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Patents Nos. 1,579,199 to 1,580,105.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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Total	1,446		

ADJUDICATED PATENTS.

(D. C. Mo.) The Brigham reissue patent, No. 15,147, for a towel rack, claims 11, 12, 13, and 14 *Held* valid and infringed. *Rousso* v. *New Ideal Laundry Co.*, 9 F. (2d) 1012.

(D. C. Kans.) The Crouse reissue patent, No. 15,432, for visible gasoline-dispensing device, claims 1–5 *Held* valid and infringed. *Clear Vision Pump Co.* v. *Wichita Visible Gasoline Pump Co.*, 9 F. (2) 996.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,449,961, D. M. Wallace, Automobile lamp kit, decided February 27, 1926, claim 5.

Pat. 1,490,113, Kelly and Raymond, Valve structure for pneumatic tires, decided February 25, 1926, claims 7, 8, 9, 10, and 12.

Pat. 1,504,503, R. S. Ramsey, Door mechanism, decided February 27, 1926, claims 1 and 2.

Pat. 1,541,599, H. N. Stamos, Railway-track liner, decided February 5, 1926, claim 1.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 103,815, Medicinal remedies for certain named ailments and diseases, G. F. Johnstone, Washington, D. C. Registered April 13, 1915. Decided February 15, 1926.

T. M. 128,304, Certain named foods, The Basket Stores Co., Omaha, Nebr. Registered January 6, 1920. Decided March 13, 1926.

T. M. 133,905, Certain named foods, Basket Stores Company, Omaha, Nebr. Registered August 10, 1920. Decided March 13, 1926.

Interference Notice.

U. S. Patent Office, *Washington, Mar. 10, 1926.*

Archie W. Tipps, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Josie B. Sample, of Eudora, Ark., for registration of a trade-mark and trade-mark registered February 27, 1923, No. 164,916, to Archie W. Tipps, 3211 Thomas Avenue, Dallas, Tex., and a notice of such declaration sent by registered mail to said Archie W. Tipps at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Archie W. Tipps, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *First Assistant Commissioner.*

Notice Regarding Payment of Fees.

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business March 26, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,333; Trade-Mark Division, 2,024. Oldest new case, Sept. 28, 1925; oldest amended, Sept. 29, 1925. The dates given are 1925 except where † indicates 1926.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	†Jan. 8	†Jan. 11	603
120	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Nov. 30	Nov. 14	587
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec. 3	Dec. 10	1,047
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	†Jan. 5	†Feb. 1	538
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Oct. 29	Oct. 30	867
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilisers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 15	Dec. 5	1,120
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	†Jan. 9	†Jan. 4	810
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	†Jan. 11	†Jan. 12	990
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 7	Oct. 28	517
118	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Dec. 14	Dec. 18	954
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Jan. 2	†Jan. 8	728
380	12. PIERCE, P. P., Machine Elements	†Jan. 7	Dec. 29	608
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	†Jan. 8	†Jan. 28	569
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Dec. 9	Dec. 12	902
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 8	†Jan. 16	582
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Dec. 10	Dec. 18	876
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 25	Dec. 5	420
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 27	Nov. 24	829
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 8	†Jan. 22	493
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	†Jan. 5	†Jan. 7	768
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Jan. 4	†Jan. 5	488
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 31	†Jan. 5	574
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 27	Nov. 26	262
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 24	†Jan. 18	467
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Jan. 5	†Jan. 7	813
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 5	Oct. 17	776
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 27	†Jan. 25	512
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 20	†Jan. 23	761
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 28	Sept. 29	1,124
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	†Jan. 2	†Jan. 16	765
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Jan. 30	†Jan. 25	762
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 17	Dec. 28	602
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Jan. 20	†Jan. 30	727
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Oct. 16	Oct. 17	682
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 18	†Feb. 9	496
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Dec. 23	Dec 24	1,031
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Dec. 26	Dec. 24	922
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 27	Oct. 30	848
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 30	†Jan. 25	469
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Dec. 28	Dec. 28	1,018
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 2	†Jan. 13	450
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Dec. 19	Dec. 15	1,026
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Dec. 15	Dec. 15	805
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Oct. 13	Sept. 29	907
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Jan. 5	†Jan. 2	528
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Dec. 7	Dec. 12	603
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 9	Dec. 10	1,079
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Oct. 24	Oct. 26	1,671
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	†Jan. 11	†Jan. 11	565
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Nov. 21	Dec. 1	1,227
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Nov. 19	Nov. 7	1,728
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 13	†Jan. 2	659
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 22	†Jan. 23	746
102	DESIGNS: C. O. MARKHAM (Acting)	†Mar. 4	†Mar. 8	372
103	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR.	†Feb. 6	†Mar. 12	1,871
		†Feb. 19	†Mar. 11	153

(Trade-Marks; Labels and Prints)

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE WILSON.

Decided June 27, 1924.

PROCESS—PATENTABILITY OVER APPARATUS.

A process is not unpatentable merely because of the existence in the prior art of a structure which is capable of carrying out that process; but it is unpatentable if this prior art discloses the process or if the process must necessarily result when the device of the prior art is operated in the manner in which it was intended.

(*Affirmed by the Court of Appeals of the District of Columbia. See p. 5 post.*)

Application for Patent.

APPEAL from Examiners in Chief.

METHOD OF PREVENTING SHOCK INCIDENT TO BOILER BLOW-OFF.

Application filed November 8, 1917, Serial No. 200,891.

Messrs. Stewart & Perry for the applicant.

KINNAN, *First Assistant Commissioner:*

This is an appeal from the decision of the Examiners in Chief affirming the action of the Primary Examiner finally rejecting the claims of this application, 12 in number, of which claims 1 and 12 are illustrative:

1. The method of precluding shocks incident to closing a valve when liquid is passing therethrough which consists in diverting the flow of liquid rearwardly of the valve through a free exit simultaneously with the closing of the valve.

12. The method of precluding shocks incident to the closing of the controlling valve in a boiler blow-off system, which consists in allowing the liquid to flow through the blow-off outlet, utilizing the rapid flow of liquid therethrough to free a conduit leading from the outlet, rearwardly of the controlling valve, back to the boiler of its normal liquid contents, allowing sufficient steam from the boiler to enter the conduit to replace the liquid exhausted therefrom, while maintaining substantial pressure within the boiler, whereby, when the valve is suddenly closed the conduit is devoid of liquid content and the liquid flowing through the blow-off outlet is free to enter said conduit and assume a quiescent state without having to overcome the inertia of a body of liquid in the conduit.

The references cited are: Mayer, 135,437, February 4, 1873; Osborn, 7,932, February 11, 1851; Eno, 385,510, July 3, 1888; Reiter, 861,053, July 23, 1907.

The specification states that the invention is a method of blowing off boilers, and the object thereof is to preclude the shocks and consequent damage incident to such blowing off.

In the apparatus shown for carrying out the process a pipe leading from the top of the boiler is connected to the pipe leading from the bottom thereof just inside of the blow-off valve. The applicant states in his brief that when the blow-off valve is opened the water issuing therethrough will draw out the water in the pipe leading from the top of the boiler, which pipe will consequently be filled with steam, and that when the valve is closed the water tending to rise in this pipe will not be forced against a column of water, but only against a column of steam, and no shock will take place. It is further stated in the specification that the process might be useful in other instances, as, for example, drawing off deposits from the lower end of a tank which is open to the air, in which case the pipe leading from the upper part of the tank would be filled with air at atmospheric pressure.

There has been some controversy in the case as to the meaning which applicant is entitled to place upon the word "free" occurring in the claims in the expression, "in diverting the flow of liquid rearwardly of the valve through a free exit simultaneously with the closing of the valve," and in the petition for a rehearing before the Examiners in Chief it was said that this term "free and unobstructed" meant an exit that is free and unobstructed by liquid content.

It is not deemed necessary to pass upon whether, in the light of the specification, but in the absence of any specific limitation in the claims, any such restricted meaning can be placed upon this term, for the reason that, in my judgment, the invention is clearly anticipated by the patent to Eno.

If, as applicant contends, when the blow-off valve is opened all water will be drawn out of the pipe leading to the upper end of the boiler, it is evident that this will necessarily happen in the Eno structure, because the relief pipe is associated with the valve in exactly the same manner. It is true that such a mode of operation is not described by Eno; but that is deemed to be immaterial. It is well settled that a process is not unpatentable merely because of the existence in the prior art of a structure which is capable of carrying out that process; but it is unpatentable if this prior art discloses the process or if the process must necessarily result when the device of the prior art is operated in the manner in which it was intended. See *Ex parte Moulton & Jones*, 191 O. G. 588; 40 App. D. C. 160, and the cases therein cited.

Nor is the objection of the applicant that the Eno apparatus can not work in this way, because, as he says, if all water is drawn out of the pipe leading from the upper end of the boiler there will necessarily result a flashing of steam when the water passes through the coil *d* over the fire box, believed to be well taken. It is not understood that the size of the pipe and its relation to the fire box are such that any extensive formation of steam could occur when the water passes therethrough. Further, the period during which water would be entirely absent from the pipe would be very short.

In view of the holding above made it is not deemed necessary to discuss the other references, though it would seem that the Examiners in Chief are correct in holding that certain of the claims

read directly upon a structure having a relief valve therein, such as shown in the patents to Ahrens et al. and Mayer.

The decision of the Examiners in Chief is affirmed.

EX PARTE MIDGLEY.

Decided April 17, 1925.

ANTICIPATION—OMISSION OF PARTS.

Where the applicant's invention accomplished the same result as the apparatus of the prior art and yet dispensed with the operation of one of its mechanisms, and the Examiner relied upon a statement in one of the references to disclose the change by which the applicant was enable to omit such operation, the statement was held insufficient to show that the machine of the patentee thus modified would completely perform the operation of the omitted parts, it being obvious that if the patentee had been aware that he could thus economize in the number of parts of his machine and still obtain the result sought, he would have done so.

Note.—This application has resulted in Patent No. 1,558,904, October 27, 1925.

Application for patent.

APPEAL from Examiners in Chief.

TIRE BUILDING.

Application filed April 7, 1921, No. 459,330.

Mr. Franklin G. Neal and *Mr. Edward C. Taylor* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the Primary Examiner, denying patentability to claims 1, 2, 3, and 5, of which claims 1 and 5 will serve for illustrative purposes:

1. In the building of a tire casing, placing upon an annular former with undercut sides a layer of tire building material in such a manner as to cause the side portions of the material to extend free of the undercut sides of the former and substantially parallel to the plane of the former, and conforming the side portions of the so placed material to the former by pressure applied substantially axially of the former and simultaneously throughout a circumference of the material.

5. In the building of a tire casing, forming a partial tire carcass including bead fillers, the partial carcass being horse-shoe shaped in cross section so as to present undercut sides, placing upon the partial carcass a layer of tire building material in such a manner as to leave the side portions of the material free from but adjacent the undercut sides and the bead fillers, and conforming said side portions to the carcass consecutively above, around, and under the bead fillers in successive increments by successively applied circumferentially simultaneous pressure.

The references relied upon are: Williams, 1,441,767, Jan. 9, 1923; Williams, 1,346,623, July 13, 1920.

The claims here on appeal relate to a method of building a tire casing by stretching the fabric from substantially the circumference of the base of the core to a circumference greater than that of the external periphery of the core, and after placing this stretched fabric about the circumference of the core, allowing the band to contract upon the core, whereby the sides are brought to a position more or less parallel to the sides of the core, and applying pressure substantially axially of the core to stretch and force the skirts of the fabric into final position.

The two patents relied upon disclose a method of stretching the fabric so that its diameter is greater than the diameter of the crest of the core, placing the fabric on the core, and permitting the fabric to assume the position disclosed in Fig. 4 of the method patent.

The apparatus patent to Williams discloses, especially in Figs. 42 to 51, the steps followed by the machine in completing the placing of the stretched fabric to final position upon the core. This patent discloses what appellant has fairly described as three separate steps. One of these steps, the second, includes the stretching down of the loose sides of the fabric by the movement of the stitching fingers 330 and 331. The third step includes the movement of the dies axially of the former.

The appellant dispenses with the operation of the stitching fingers employed by Williams, and has been met, by the view of the tribunals below, with the holding that this prior art discloses the two steps employed by appellant and that his omission of the second step of Williams was obvious and did not involve invention. In support of this interpretation of the art reference was made by the Examiner to the statement found in lines 80 to 83, page 2, of the Williams patent, No. 1,346,623, that—

if it is desired to bring the neutral line of the fabric above or below the median line of the core the fabric ring is made larger or smaller.

This explanation as to what modification might be made in the Williams method was held sufficient to disclose the change appellant claims to have made whereby he dispenses with the second step of the Williams process. This is substantially the point of the case here on appeal.

Williams has not disclosed, even in his description, how to change the position of the neutral line of the fabric so as to bring the fabric skirts sufficiently far down to render the operation of the stitching fingers unnecessary. It is believed plain enough that such an omission of the mechanism necessary to operate these stitching fingers, in the Williams machine, would have been adopted if Williams had been aware that he could thus economize in the number of parts of his machine and still obtain the result sought. There is no statement in either Williams patent that he realized or recognized he could form his fabric ring substantially equal to the base of the core, and by stretching it and placing it upon the core the sides of the fabric would be brought to the position whereby the axial movement of the dies would suffice to bring the skirts to final position against the core. It is believed this conception was not obvious and should be granted protection as an invention.

The appealed claims do not set forth the specific change over what Williams did. They do not state more than that the side portions of the material extend substantially parallel to the plane of the former, and this change may be deemed indicated in Williams's description, in his method patent, of varying the position of the neutral line with respect to the median of the core. It is believed these claims as drawn should not be allowed, but if they are made to state that the layer of fabric bears such a relation to the size of the core that the side portions will be brought down sufficiently so that they may be stretched to position solely by pressure applied substantially axially of the former, they may be allowed.

It is suggested that claims 1 and 2 specify the material before being stretched is substantially the circumference of that of the base of the core, and that claims 3 and 5 be restricted, as above indicated, by stating that the side portions of the fabric will be brought down sufficiently so that they may be stretched to position solely by pressure applieds substanially axially of the former. If these changes are made in the claims within 30 days from the date hereon, they may be allowed.

The decision of the Examiners in Chief is affirmed.

Court of Appeals of the District of Columbia.

IN RE WILSON.

No. 1,753. Decided December 7, 1925.

APPEAL from Patent Office. Affirmed.

(For Commissioner's Decision see p. 3 ante.)

Mr. James L. Stewart for Wilson.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing the claims of an application for patent on a method of blowing off boilers, so as to preclude or minimize the shock and consequent damage.

The three tribunals of the Patent Office have analyzed with painstaking care the claims involved, with reference to the prior art, and each has reached the conclusion that the applicant has made no patentable advance over that art. We have read the very comprehensive brief of appellant's counsel, in the light of his oral argument, but have found no error in the reasoning or conclusion of the tribunals of the Patent Office. We therefore affirm the decision from which this appeal was taken.

Affirmed.

Court of Appeals of the District of Columbia.

KLING *v.* HARING.

No. 1,739. Decided February 1, 1926.

1. FOREIGN PATENT—FORFEITURE OR ABANDONMENT OF—FAILURE TO PAY ANNUAL FEE—EFFECT ON RIGHTS IN THIS COUNTRY.

H. by failing to pay the fourth annual fee may have forfeited or abandoned to the public his German patent; but from the fact that he lost the patent rights, privileges, and advantages conferred by German laws it does not follow that he lost the rights, privileges, and advantages conferred by the patent laws of this country.

2. FOREIGN APPLICATION—CONSTRUCTIVE REDUCTION TO PRACTICE—NOLAN ACT OF MARCH 3, 1921.

H.'s filing of his application in Germany on the 11th of September, 1914, was a constructive reduction to practice and prima facie established priority of invention over K., inasmuch as K. did not file his application in the United States until the 11th of December, 1915.

3. NOLAN ACT AND SECTIONS 4886 AND 4887, REVISED STATUTES—RIGHTS NOT AFFECTED BY OUTCOME OF FOREIGN APPLICATION.

H.'s rights under the Nolan Act and under sections 4886 and 4887, Revised Statutes, as amended were not dependent on the outcome of his German application. The granting, denial, lapsing, or abandonment of that application could not and did not affect his constructive reduction to practice on the 11th of September, 1914, or the resulting prima facie priority of invention thereby established.

4. PATENTS—VESTED RIGHTS.

The mere issuance of a patent is not a final adjudication of an inventor's rights which cannot be questioned.

5. RIGHT TO A PATENT STATUTORY—CONSTITUTIONAL POWER OF CONGRESS.

The right to a patent is purely statutory, and it was clearly within the constitutional power of Congress to prescribe to whom a patent should issue, upon what terms and conditions a patent should issue, and the proceedings to be taken after its issuance.

6. PATENT LAWS—CONSTITUTIONAL POWER OF CONGRESS.

The exercise of power by Congress to enact patent laws, prescribing to whom a patent should issue, upon what terms and conditions a patent should issue, and the proceedings to be taken after its issuance, is in strict accordance with section 8 of Article I of the Constitution, inasmuch as such terms, conditions, and proceedings are designed to secure to the real inventor the exclusive right to his discovery or invention, and the powers granted and the proceedings provided for deprive no person of his property in view of the fact that they are designed to accomplish and do accomplish nothing more than the determination of the right to the invention and the right to enjoy its benefits for the limited period prescribed.

APPEAL from Patent Office. Affirmed.

Mr. D. P. Wolhaupter for Kling.

Mr. Ralph Munden and *Mr. H. M. Huxley* for Haring.

Before MARTIN, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of United States Court of Customs Appeals.

SMITH, *J.:*

On the 11th of September, 1914, Fritz Haring filed an application in Germany to patent a means and method for the cleaning of blast-furnace gases. On that application a patent dated October 6, 1916, was issued and made effective as of September 11, 1914.

Fred E. Kling on the 11th of December, 1915, filed an application in the United States for Letters Patent on an improvement in the means of separating dust from furnace gases, particularly the dust resulting from the operation of blast furnaces. That both applications disclosed and claimed the same invention is not disputed. Kling's application for a patent was granted by the United States Patent Office, and a patent was issued to him on February 13, 1917.

On the 26th of August, 1921, Haring filed in the United States Patent Office an application to pat-

ent the subject matter of his German patent and the result of filing that application was the declaration of an interference between said application and the patent granted to Kling. During the pendency of the interference proceeding, a motion was made to shift the burden of proof from Haring to Kling, on the ground that Haring's application for a patent was filed in Germany prior to the filing of the application by Kling in the United States. That motion was granted and it was held that Haring was entitled to September 11, 1914, as the date of his constructive reduction to practice. As that date was prior to the earliest date alleged by Kling in his preliminary statement, Kling was required to show cause within 30 days why a judgment should not be entered against him. Kling insisted that he had a right to submit evidence that Haring was not in fact the inventor of the subject matter of the German application and to present evidence to overcome the prima facie case made by Haring because of his German filing date. Kling's right to meet the prima facie case made against him was recognized by the Examiner of Interferences, but attention was called to the fact that Kling's petition for leave to make a showing made no statement as to what he expected to prove or the names of the witnesses by whom he expected to make such proof. Kling's motion to present evidence to overcome the prima facie case made by Haring was therefore denied without prejudice to the renewal of the motion accompanied by a satisfactory showing. Apparently no such showing was attempted and on the 19th of September Kling moved that the burden of proof be shifted back to Haring on the ground that the patent accruing to Haring expired in the year 1919, because of Haring's failure to pay the fourth year fee. Kling's motion to shift the burden of proof resulted in a motion for judgment on the record by Haring. That motion was granted on the 23d of October, 1923, and priority of invention of the subject matter of the issue was awarded to Haring, the senior party. That decision on appeal to the Examiners in Chief was affirmed on the 22d of October, 1923, and their decision was affirmed by the Commissioner on the 22d of May, 1924.

From the decision of the Commissioner this appeal was taken by Kling and in support of his appeal he now contends 1st, that Haring by his failure to pay the tax *abandoned* in 1919 the patent which was granted to him on October 6, 1916, and that his patent having expired he had no right to file an application for a patent in the United States; 2d, that Kling's right to the invention vested in him when a patent was issued to him on February 17, 1917, and that on that date he became entitled to the exclusive right to the invention; 3d, that he could not be divested of that right by any change in the law in force at the time the patent was issued; 4th, that the Nolan Act which changed and extended the limitations prescribed by section 4887 of the Revised Statutes, is unconstitutional and void, in that, it is violative of the Fifth Amendment and section 8 of Article I, of the Constitution. We can not agree with any of the contentions of the appellant.

[1] Haring by failing to pay the fourth annual fee, may have in the year 1919, forfeited or abandoned to the public his German patent, but from the fact that he lost the patent rights, privileges and advantages conferred by German laws, it does not follow at all that he lost the rights, privileges and advantages granted by the patent laws of this country. In the United States an application for a patent and the right to an invention may be abandoned before the issuance of a patent. R. S. 4894; 39 Stats. 348; *Pennock et al* v. *Dialogue*, 2 Pet. 1, 15, 19, 23; *Shaw* v. *Cooper*, 7 Pet. 292, 319, 320, 321, 322; *Kendall et al.* v. *Winsor*, 21 How. 322, 328; *United States Rifle & Cartridge Co.* v. *Whitney Arms Co.*, 35 O. G. 873; 118 U. S. 22, 24, 25; *Planing-Machine Co* v. *Keith*, 17 O. G. 1031; 101 U. S. 479, 485. We are free to confess however that we know of no such thing as the abandonment of a *patent* legally issued. Under our laws rights legally conferred by a patent continue in force during the lifetime of the patent regardless of whether the patentee uses or fails to use his invention. Haring's patent may have lapsed or have been forfeited by reason of nonpayment of fees or taxes, but it did not expire in the sense that the term for which it was granted had ended.

Section 4887 of the Revised Statutes originally read in part as follows:

> Sec. 4887. • • • But every patent granted for an invention which has been previously patented in a foreign country shall be so limited as to expire at the same time with the foreign patent, or, if there be more than one, at the same time with the one having the shortest term, and in no case shall it be in force more than seventeen years.

That provision was apparently designed to make the patent issued in this country expire on the same date as that prescribed for the expiration of the foreign patent and did not contemplate the lapse or forfeiture of the foreign patent before the expiration of the term for which it was granted. *Pohl* v. *Anchor Brewing Co.*, 51 O. G. 156; 134 U. S. 381, 386. But however that may be, the provision just quoted was eliminated by the act of March 3, 1903, which amended section 4887 of the Revised Statutes. (Sec. 32 Stats. 1225.)

[2, 3] Haring's filing of his application in Germany on the 11th of September, 1914, was a constructive reduction to practice and prima facie established priority of the invention over Kling inasmuch as Kling did not file his application in the United States until the 11th of December, 1915. Haring's rights under the Nolan Act and under sections 4886 and 4887 of the Revised Statutes, as amended was not dependent on the outcome of his German application. The granting, denial, lapsing or abandonment of that application could not and did not affect his constructive reduction to practice on the 11th of September, 1914, or the resulting prima facie priority of invention thereby established. *National Metallurgic Co.* v. *Whitman*, 156 O. G. 1068; 35 Appls. D. C. 420, 422, 423.

The rights of priority specified in section 4887 of the Revised Statutes which rights had not expired on the 1st day of August, 1914, or which arose thereafter, were extended by the Nolan Act until September 3, 1921. That act expressly provided that a patent should not be refused on an application coming within its provisions and that a patent granted on such application should not be held invalid by reason of the invention having been patented or described in any printed publication or in public use or on sale in the United States prior to the filing of the application unless such patent or publication or such public use or sale, was *prior to the filing of the foreign application*, upon which the right of priority was based.

Haring's rights of priority had not expired on the 1st of August, 1914, in view of the fact that he filed his application in Germany on the 11th of September, 1914, on which date his invention was constructively reduced to practice and his priority of invention prima facie established. Haring's application for a patent was filed in the United States Patent Office on the 26th of August, 1921, and was therefore filed well within the six months' extension granted by the Nolan Act.

The burden of proving that Haring was not the prior inventor was on Kling, and Kling's motion to shift that burden to Haring, was therefore properly denied. Kling having failed to introduce any evidence whatever showing or tending to show that Haring was not the prior inventor, the award of priority to Haring, the senior party, was correct and cannot be disturbed.

[4] The contention that Kling had a vested right in his patent, which could not be affected by changing the law in force at the time the patent was issued, is not well founded. The mere issuance of a patent by the Patent Office does not conclusively and finally determine the rights under the patent. After a patent is issued any person claiming to be the prior inventor may file his application for the patented invention and it is the duty of the Patent Office to determine the question of priority of invention in appropriate interference proceedings. After hearing the parties in such proceedings the Patent Office may adjudge that a subsequent applicant is the prior inventor and issue to him a patent if the proven facts warrant that conclusion. R. S. 4904. More that that, after the subsequent applicant has been finally refused a patent in the interference proceedings, he may resort to a bill in equity for relief. The court having cognizance of the bill, may adjudge that the applicant is entitled to receive a patent for his invention and authorize the Commissioner to issue to the applicant a patent on the filing of a copy of the adjudication in the Patent Office. R. S. 4915. It can hardly be said therefore that the rights of the patentee are conclusively and finally established by the issuance of a patent. It may be that after *all* the proceedings prescribed by the statute have been taken that the rights of an inventor must be regarded as finally settled, adjudged and determined, but it can hardly be said that the mere issuance of a patent is a final adjudication of his rights which cannot be questioned.

[5, 6] The right to a patent is purely statutory and it was clearly within the constitutional power of Congress to prescribe to whom a patent should issue, upon what terms and conditions a patent should issue, and the proceeding to be taken after its issuance. That exercise of power by the Congress, far from being a violation of section 8 of Article I of the Constitution, is in strict accordance with it inasmuch as such terms, conditions and proceedings are designed to secure to the real inventor the exclusive right to his discovery or invention. Neither can it be successfully contended that the exercise of the powers conferred by Congress and the taking of the proceedings prescribed by law constitute a violation of the Fifth Amendment. The powers granted and the proceedings provided for deprive no person of his property in view of the fact that they are designed to accomplish and accomplish nothing more than the determination of the right to the invention and the right to enjoy its benefits for the limited period prescribed.

The decision appealed from is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

831,501, H. M. Dickinson, Candy-pulling machine; 857,770, C. Thibodeau, same, decree of lower court affirmed (notice dated Feb 10, 1926), C. C. A. (3d Cir.), Doc. 3299, *L. Schute et al.* v. *H. S. Heldreth.*

857,770. (See 831,501.)

942,699, L. H. Baekeland, Resinous body and method of producing same; 942,809, same, Condensation product and method of making same, appeal filed Dec. 8, 1925, C. C. A. (3d Cir.), Doc. 3434, *Bakelite Corp.* v. *The Brunswick-Balke-Collender Co.*

942,809. (See 942,699.)

958,478, W. E. Davey, Process of reenforcing trees, decree pro confesso Feb. 2, 1926, injunction issued, D. C., N. D. Ohio (E. Div.), Doc. 1623, *The Davey Tree Expert Co.* v. *Cook & Fiorella (Lakewood Tree Surgery Co.).*

960,348, E. W. Lombarde, Box-making machine; 1,011,820, same, Mechanism for feeding blanks, sheets, etc.; 1,112,811, same, Combination feed for sheet material, suit filed Feb. 10, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1732, *The Wolf Envelope Co. et al.* v. *The Standard Envelope Mfg. Co.*

980,413, A. E. Grochan, Latch, suit filed Feb. 8, 1926, D. C., W. D. Mich. (S. Div.), Doc. 2050, *Winters, Stryker & Crampton* v. *Alaska Refrigerator Co. et al.*

985,984, Deiller & Deiller, Tobacco stripping and booking machine; 1,088,425, G. H. Jackson, Clutch mechanism, suit filed Jan. 28, 1926, D. C., E. D. N. Y., Doc. 2387, *Universal Tobacco Machine Co.* v. *American Machine & Foundry Co.*

1,011,820. (See 960,348.)

1,064,850, D. W. Morrow, Reenforced concrete construction, appeal filed June 9, 1925, C. C. A. (3d Cir.), Doc. 3364, *D. W. Morrow* v. *C. E. Oelschlager et al.*

1,075,346, G. T. Flick, Hosiery-finishing board; 1,218,520, J. H. Brine, Hosiery-finishing apparatus; 1,268,066, J. G. Prosser, same, appeal filed June 27, 1925, C. C. A. (3d Cir.), Doc. 3376, *Paramount Textile Machinery Co.* v. *F. E. Snyder.*

1,088,425. (See 985,984.)

1,108,184, T. Kerner, Garbage and refuse incinerator, suit filed Aug. 13, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1270, *Kerner Incinerator Co.* v. *Mrs. E. J. Townsend.* Dropped from trial calendar under rule 57 Nov. 25, 1925.

1,112,811. (See 960,348.)

1,150,415, H. B. Bishop, Manufacture of hydrofluoric acid; 1,288,400. E. S. Fickes, Production of hydrofluoric acid; 1,316,569, same, Process of producing hydrofluoric acid, appeal filed May 12, 1925, C. C. A. (3d Cir.), Doc. 3352, *General Chemical Co.* v. *Aluminum Co. of America.*

1,164,319, M. Stieler, Concrete forms, appeal filed Jan. 7, 1926, C. C. A. (7th Cir.), Doc. 3701, *The Heine Chimney Co.* v. *Rust Engineering Co.*

1,215,134, J. M. Ferry, Apparatus for removing water from water-bearing sand, consent decree in favor of plaintiff Feb. 1, 1926, D. C., E. D. N. Y., Doc. 2314, *J. Ferry Co., Inc.*, v. *Allegro Bros., Inc.*

1,218,520. (See 1,075,346.)

1,240,826, G. L. Davis, Agitator for washing machine, suit filed Feb. 11, 1926, D. C., W. D. N. Y., Doc. E 894, *The Nineteen Hundred Washer Co.* v. *Automatic Distributing Corp.*

1,268,066. (See 1,075,346.)

1,288,400. (See 1,150,415.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Sept. 30, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1288, *The Bassick Mfg. Co.* v. *National Acme Co.* Same, suit filed Jan. 22, 1926, D. C., E. D. N. Y., Doc. 2377, *The Bassick Mfg. Co.* v. *Wellworth Auto Supply Co.*

1,307,734. (See 1,307,733.)

1,316,569. (See 1,150,415.)

1,369,516. J. P. Bethke, Magnetic separator, appeal filed Jan. 7, 1926, C. C. A. (7th Cir.), Doc. 3700, *Magnetic Mfg. Co. et al.* v. *Dings Magnetic Separator Co.*

1,377,361, E. L. Miller, Timer brush, suit filed Jan. 20, 1926, D. C., S. D. Iowa (W. Div.), Doc. E 4151, *E. L. Miller* v. *Gillaland & McSweeney (Council Bluffs Stamping Co.) et al.*

1,428,241, J. Kercher, Vehicle wheel, appeal filed Jan. 21, 1926, C. C. A. (7th Cir.), Doc. 3710, *J. Kercher* v. *Forsyth Bros. Co. et al.*

1,434,356, H. T. Doulett, Eyeleting machine, appeal filed Dec. 14, 1925, C. C. A. (3d Cir.), Doc. 3438, *L. Muther et al.* v. *United Shoe Machinery Corp.*

1,438,560, E. F. Slattery, Repair link for tire chains, appeal filed Dec. 19, 1925, C. C. A. (3d Cir.), Doc. 3439, *E. F. Slattery et al.* v. *W. D. Godfrey.*

1,452,197, 1,465,629, 1,465,631, R. B. Gilchrist, Drink mixer; 1,475,197, S. J. Poplawski, Motor-driven mixer, appeal filed June 10, 1925, C. C. A. (7th Cir.), Doc. 3603, *Hamilton Beach Mfg. Co.* v. *The Gilchrist Co.*

1,465,546, H. P. Donle, Inductance, suit filed Feb. 9, 1926, D. C., S. D. N. Y., Doc. E 35/237, *The Connecticut Telephone & Telegraph Co., Inc.*, v. *C. Corbin et al. (Twin Coupler Co.).*

1,465,629. (See 1,452,197.)

1,465,631. (See 1,452,197.)

1,475,197. (See 1,452,197.)

1,503,832, A. O. Hubbard, Tricycle, suit filed Jan. 28, 1926, D. C. Minn. (4th Div.), Doc. E 499, *Puffer-Hubbard Mfg. Co.* v. *Hunt, Helm, Ferris & Co.*

1,506,874. (See 1,515,453.)

1,513,594, J. Judelson, Drier; Re. 16,244, same, suit filed Jan. 27, 1926, D. C., E. D. N. Y., Doc. 2385, *J. Judelson* v. *Hill Laundry Equipment Co., Inc.*

1,515,453, 1,506,874, T. A. Willard, Storage battery, bill dismissed by plaintiff Jan. 29, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1326, *Willard Storage Battery Co.* v. *D. V. Wright et al.*

1,547,609, Robinson & Phillips, Manufacture of flexible metallic tubing, suit filed Jan. 27, 1926, D. C., E. D. N. Y., Doc. 2384, *National Metal Molding Co.* v. *Triangle Conduit Co., Inc.*

Re. 13,921, W. J. Dunham, Land roller and pulverizer, dismissed Jan. 30, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1375, *The Dunham Co. et al.* v. *E. W. Cobb.*

Re. 15,829, E. P. Engelbrecht, Slate brick, appeal filed Aug. 29, 1925, C. C. A. (3d Cir.), Doc. 3397, *Toupet, Taylor Engineering Co.* v. *Red Dog Mfg. Co.*

Re. 16,244. (See 1,513,594.)

T. M. 89,613, Beech Nut Packing Co., Pork products, including ham, sausage, beans, etc., order affirming decree of lower court (notice dated Feb. 10, 1925), C. C. A. (3d Cir.), Doc. 3282, *Beechnut Packing Co.* v. *P. Lorillard Co.*

T. M. 130,566, T. M. 160,277, Rosenberg Bros. & Co., Men's coats, vests, pants, etc.; T. M. 131,225, same, Men's clothing, order reversing decree with instructions to district court to reinstate bill and proceed with case to final decree in harmony with opinion of this court (notice dated Feb. 10, 1926), C. C. A. (3d Cir.), Doc. 3322, *Rosenberg Bros. & Co.* v. *J. F. Elliott.*

T. M. 131,225. (See T. M. 130,566.)

T. M. 160,277. (See T. M. 130,566.)

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 6, 1926.

[VOL. 345. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 188,478. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HEBERLEIN & CO., A. G., Wattwil, Switzerland. Filed Nov. 17, 1923.

Applicant disclaims the right to the exclusive use of the word "Heberlein" apart from the mark shown on the drawing.

Particular description of goods.—Fabrics of Cotton, Wool, Linen, Silk, Artificial Silk, or Composed of at Least Two of These Materials, and Embroideries, All in the Piece, for Wearing Apparel.

Claims use since Nov. 1, 1922.

Ser. No. 190,084. (CLASS 33. GLASSWARE.) MONOGRAM LENS CORPORATION, New York, N. Y. Filed Dec. 24, 1923.

MONOGRAM

Particular description of goods.—Light-Transmitting Lenses and Plates for Use in Lamps for Vehicles.

Claims use since Jan. 6, 1922.

Ser. No. 191,278. (CLASS 12. CONSTRUCTION MATERIALS.) B. F. NELSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Jan. 26, 1924.

NELSON'S MASTER SLAB

No claim is made to the exclusive right to the use of the word "Slab" except in the association shown.

Particular description of goods.—Asphalt-Composition Shingles.

Claims use since about Feb. 1, 1923.

Ser. No. 191,377. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINT-ROCK STUCCO COMPANY, Ingomar, Ohio. Filed Jan. 28, 1924.

Particular description of goods.—Exterior Magnesite Stucco, Composition Flooring, Interior Plaster, and Dashes, Which are Finely-Crushed Stone to be Dashed on Stucco Before it Has Set to Give it an Attractive Appearance or Finish.

Claims use since June 15, 1922.

Ser. No. 196,184. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NEW YORK AUTO AND RADIO SUPPLY CO., Chicago, Ill. Filed Apr. 26, 1924.

Old Hickory

Particular description of goods.—Tire Patches, Tire-Patching Outfits, and Blow-Out Boots.

Claims use since Jan. 1, 1917.

Ser. No. 199,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESPOSITO BROS., New York, N. Y. Filed June 28, 1924.

Saturnia

Particular description of goods.—Olive Oil.
Claims use since February, 1921.

Ser. No. 199,278. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESPOSITO BROS., New York, N. Y. Filed June 28, 1924.

Particular description of goods.—Olive Oil.
Claims use since February, 1921.

Ser. No. 203,761. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HUGH HENRY THEIS, doing business as White Lion Rubber Works, Taylor, Tex. Filed Oct. 11, 1924.

Particular description of goods.—Patches.
Claims use since June 10, 1924.

Ser. No. 205,955. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMPSON REMEDY CO., Wichita, Kans. Filed Nov. 28, 1924.

The picture and facsimile signature are those of Dr. G. W. Sampson (deceased), from whom firm acquired rights to mark by purchase.
Particular description of goods.—Medicinal Compounds, and Particularly an Internal Preparation for the Treatment of Goiter.
Claims use since on or about Nov. 5, 1924.

Ser. No. 206,431. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OLD KING COLE, INC., Canton, Ohio. Filed Dec. 8, 1924.

BONZO

Particular description of goods.—Statuettes.
Claims use since about Aug. 15, 1924.

Ser. No. 207,066. (CLASS 12. CONSTRUCTION MATERIALS.) THE CANTON BRICK AND FIREPROOFING CO., New Philadelphia, Ohio. Filed Dec. 22, 1924.

VELVE-TEX

Particular description of goods.—Brick.
Claims use since June 1, 1921.

Ser. No. 207,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHOLE O'WHEAT COMPANY, Seattle, Wash. Filed Dec. 24, 1924.

No claim is made to the words "Whole Wheat" apart from the mark as shown.
Particular description of goods.—Breakfast Foods.
Claims use since Oct. 1, 1924.

Ser. No. 208,362. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) REYNOLDS FELT COMPANY INCORPORATED, Binghamton, N. Y. Filed Jan. 20, 1925.

REY-FELT

No claim is made to the use of the word "Felt" apart from the mark shown.
Particular description of goods.—Carpet Liner, Felt, and Felt Pieces.
Claims use since Oct. 1, 1924.

Ser. No. 208,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND FOOD CORPORATION, New York, N. Y. Filed Jan. 21, 1925.

Exclusive use of the word "Brand" apart from the mark as shown on the drawing is disclaimed.
Particular description of goods.—Cheese.
Claims use since Dec. 20, 1924.

Ser. No. 208,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PIONEER FRUIT COMPANY, San Francisco, Calif. Filed Jan. 24, 1925.

PIONEER SPECIAL PACK

No claim is made to the words "Special Pack" apart from the mark shown in the drawing.
Particular description of goods.—Fresh Deciduous Fruits and Fresh Grapes.
Claims use since 1912.

Ser. No. 208,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK B. DUNCAN, New York, N. Y. Filed Jan. 29, 1925.

The word "Coffee" is disclaimed apart from the mark shown.
Particular description of goods.—Coffee.
Claims use since Dec. 20, 1924.

Ser. No. 208,870. (CLASS 12. CONSTRUCTION MATERIALS.) THE RICHARDSON COMPANY, Lockland, Ohio. Filed Jan. 30, 1925.

Multicrome

Particular description of goods.—Composition Shingles.
Claims use since Oct. 22, 1924.

Ser. No. 208,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WARDROP CO., INC., New York, N. Y. Filed Jan. 31, 1925.

VITAVEE

Particular description of goods.—Bread.
Claims use since Jan. 16, 1925.

Ser. No. 208,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WARDROP CO., INC., New York, N. Y. Filed Jan. 31, 1925.

VITAPEP

Particular description of goods.—Bread and Cake.
Claims use since Jan. 16, 1925.

Ser. No. 209,058. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCHEID ENGINEERING CORPORATION, New York, N. Y. Filed Feb. 3, 1925.

AUTO-TILTEVATOR

"Auto-Tiltevator."
Particular description of goods.—Vehicle Stands.
Claims use since Dec. 12, 1924.

Ser. No. 209,117. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BLUE POINT TOOL COMPANY, Chicago, Ill., and Racine, Wis. Filed Feb. 5, 1925.

ALADDIN

"Aladdin."
Particular description of goods.—Electroplaters.
Claims use since Sept. 13, 1924.

Ser. No. 209,370. (CLASS 39. CLOTHING.) SPORTCRAFT KNITTING AND MANUFACTURING CO., Seattle, Wash. Filed Feb. 10, 1925.

RUB-R-WEAVE

Particular description of goods.—Knitted Clothing and Substitute, Employing Rib Stitch, Sometimes Called Cuff-stitch, Material, Such Products Being Bathing Suits, Sweaters, Skirts, Sweater Coats, Jerseys, Stockings, and Golf Hose.
Claims use since June 2, 1920.

Ser. No. 210,143. (CLASS 17. TOBACCO PRODUCTS.) JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England. Filed Feb. 25, 1925.

Fleetwing

Particular description of goods.—Cigars, Cigarettes, and Smoking, Chewing, and Leaf Tobacco.
Claims use since Aug. 15, 1922.

Ser. No. 210,144. (CLASS 17. TOBACCO PRODUCTS.) JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England. Filed Feb. 25, 1925.

Old Castle

Particular description of goods.—Cigars, Cigarettes, and Smoking, Chewing, and Leaf Tobacco.
Claims use since Oct. 3, 1923.

Ser. No. 210,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORHAN COMPANY, New York, N. Y. Filed Mar. 5, 1925.

Forhan's
TRADE MARK

Forhans Chewing Gum

CHEWING GUM
FORHAN CO. INC. NEW YORK.

Forhan's Chewing Gum

Applicant makes no claim to the words "Trade-Mark", "Chewing Gum", and "New York". The signature appearing on the drawing is in the handwriting of Dr. R. J. Forhan, president of applicant corporation.
Particular description of goods.—Chewing Gum.
Claims use since Feb. 11, 1925.

Ser. No. 210,718. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. DOOB, SONS & COMPANY, New York, N. Y. Filed Mar. 9, 1925.

MIRACLE VOILE

No claim is made to the word "Voile" apart from the mark shown on the drawing.
Particular description of goods.—Handkerchief and Lace Piece Goods.
Claims use since February, 1923.

Ser. No. 210,860. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 11, 1925.

ADVANCE

Particular description of goods.—Cornets, Trumpets, Altos, Baritones, Eb Basses, Slide Trombones, and Valve Trombones.
Claims use since Aug. 27, 1924.

Ser. No. 212,483. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CUMMINS ENGINE COMPANY, Columbus, Ind. Filed Apr. 10, 1925.

CUMMINS OIL ENGINE
MADE BY
CUMMINS ENGINE CO.
COLUMBUS, IND. U.S.A.

No claim is made to the words "Cummins Oil Engine" and "Made by Cummins Engine Co., Columbus, Ind., U. S. A." other than in the particular manner in which they are employed in this mark.
Particular description of goods.—Internal-Combustion Engines.
Claims use since Sept. 30, 1919.

Ser. No. 214,360. (CLASS 6, CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY A. HOFFMAN, East Chicago, Ind. Filed May 15, 1925.

M. A. HOFFMAN'S

No claim is made to the name "M. A. Hoffman's" apart from the mark shown.
Particular description of goods.—Rheumatism Medicine and Blood Purifier.
Claims use since July 1, 1923.

Ser. No. 214,565. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) C. SCHMIDT & SONS, INC., Philadelphia, Pa. Filed May 19, 1925.

Particular description of goods.—Nonalcoholic Malt Beverage.
Claims use since Jan. 2, 1920.

Ser. No. 214,948. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DES MOINES CYCLE CO., Des Moines, Iowa. Filed May 27, 1925.

Particular description of goods.—Bicycles, Parts Thereof, Accessories Therefor, and Sundries Relating Thereto (not Tires).
Claims use since Mar. 1, 1922.

Ser. No. 215,686. (CLASS 39. CLOTHING.) FASHION LANE, INC., New York, N. Y. Filed June 12, 1925.

Fashion Lane

Particular description of goods.—Ladies' and Misses' Dresses.
Claims use since about May 1, 1925.

Ser. No. 215,839. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed June 16, 1925.

General

Particular description of goods.—Safety Razors.
Claims use since May 15, 1925.

Ser. No. 215,854. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEM SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed June 16, 1925.

WIZARD

Particular description of goods.—Safety Razors.
Claims use since May 15, 1925.

Ser. No. 216,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFLOWER MILLS, Fort Wayne, Ind. Filed June 26, 1925.

YOZONDA

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since Sept. 1, 1910.

Ser. No. 217,341. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANCO-BELGIQUE TOURS CO., LTD., New York, N. Y. Filed July 14, 1925.

Europe by Motor

Particular description of goods.—Publication Issued at Irregular Intervals.
Claims use since March, 1923.

Ser. No. 217,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHESEBROUGH MANUFACTURING CO. (CONSOLIDATED), New York, N. Y. Filed July 17, 1925.

Vaseline Chesebrough

Particular description of goods.—Petroleum Jelly and Preparations Thereof.
Claims use since March, 1899.

Ser. No. 218,350. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE WOLVERINE BOTTLING WORKS, Detroit, Mich. Filed Aug. 3, 1925.

Wolverine

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since about Feb. 1, 1925.

Ser. No. 218,616. (CLASS 37. PAPER AND STATIONERY.) ERHARD & SÖHNE A. G., Gmund, Germany. Filed Aug. 10, 1925.

Particular description of goods.—Inkstands, Blotters, Seals, Letter Openers, Penholders, Calendars of Metal for Desks, Corners for Writing Pads, Letter Racks, Stamp Boxes, Blotting Books, Note Blocks, Pen Trays, and Letter Clips.
Claims use since February, 1923.

Ser. No. 218,861. (CLASS 39. CLOTHING.) MIGNON DRESS CO., INC., New York, N. Y. Filed Aug. 14, 1925.

Mignon

Particular description of goods.—Misses' and Women's Dresses, Coats, and Suits.
Claims use since about January, 1918.

Ser No. 218,883. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRIESTE IMPORTING CO., INC., New York, N. Y. Filed Aug. 14, 1925.

Magnifie

Particular description of goods.—Olive Oil.
Claims use since about July 25, 1925.

Ser. No. 219,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. A. RIDER COMPANY, Chicago, Ill. Filed Aug. 28, 1925.

Particular description of goods.—Powder Compacts.
Claims use since June 1, 1925.

Ser. No. 219,545. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Aug. 29, 1925.

TRACKMAN'S

Particular description of goods.—A Nom de Plume for a Particular Column of News in the Morning Telegraph (a Newspaper).
Claims use since May 15, 1920.

Ser. No. 219,547. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Aug. 29, 1925.

CUDGEL'S

Particular description of goods.—Nom de Plume for a Particular Column of News in the Morning Telegraph (a Newspaper).
Claims use since June 1, 1923.

Ser. No. 219,654. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ARCTIC NU-AIR COOLING & VENTILATING COMPANY, Chicago, Ill. Filed Sept. 2, 1925.

ARCTIC NU-AIR

Particular description of goods.—Air-Conditioning Apparatus and Cooling and Ventilating Systems.
Claims use since about Aug. 24, 1925.

Ser. No. 219,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOWNING TAYLOR COMPANY, Springfield, Mass. Filed Sept. 8, 1925.

Forest Park

Trade-Mark consists of the words "Forest Park."
Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Fish, Canned Shellfish, Fruit Preserves, Dried Fruits, Mincemeat, Mayonnaise Dressing, Catchup, Vinegar, Olives, Tea, Alimentary Pastes, Marmalade, Dried Fish, and Chili Sauce.
Claims use since Jan. 10, 1895.

Ser. No. 220,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILFRED LABORATORIES, INC., New York, N. Y. Filed Sept. 17, 1925.

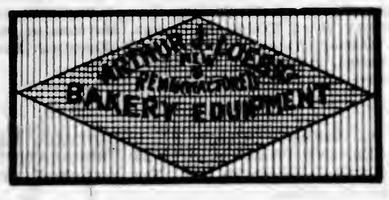
The lining of drawing is intended to designate shading only.
Particular description of goods.—Toilet Preparations—viz, Scalp Lotion, Pilocarpine Hair Tonic and Scalp Lotion, Scalp Oil, Scalp Ointment, Tar and Sulphur Pack, Curling Fluid, Skin Enamel (Liquid Powder), Henna Rinse, Hair Whitener, Bluing; Lemon Rinse, Brilliantine, Camonile Rinse, Henna Shampoo Powder, Shampoos, Toilet Water, Perfume, Depilatories, Hair-Removing Wax, Face Powder, Dry Shampoo, Liquid and Paste Rouge, Astringent Face Tonic, Astringent, Almond Lotion, Muscle Oil, Tinted Antiseptic Lotion, Beauty Pack (Mud Pack), Skin Bleach, Vanishing Cream, Acne Cream, Massage Cream, Cleansing Cream, Tissue Cream, Lemon Cream, Cold Cream, Acne Lotion, Compact Rouges and Powders, Liquid Nail Polish, Nail-Polish Powder, Nail Enamel, Nail-Polish Remover, Cuticle Remover, Eyebrow Pencil, Eyelash Coloring, Lip Stick (Lip Rouge).
Claims use since August, 1922.

Ser. No. 220,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD W. WHITNEY, Ysleta, Tex. Filed Sept. 21, 1925.

FRONTERIZA

Particular description of goods.—Fresh Melons—Namely, Cantaloupes; Fresh Vegetables—Namely, Tomatoes.
Claims use since Feb. 3, 1925.

Ser. No. 221,019. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ARTHUR J. LOEBIG, Chicago, Ill. Filed Sept. 30, 1925.



No claim is made to the words "Arthur J. Loebig New & Remanufactured Bakery Equipment" apart from the other features as shown. The drawing is lined with the official color lining for the colors red and black.

Particular description of goods.—Bakery Equipment—Namely, Automatic Proofers, Bag-Cleaning Machines, Blowers, Bread-Sealing Machines, Bread-Wrapping Machines, Cake Fillers, Cake Machines, Cookie Cutters, Cooky Machines, Dividers, Dough Brakes, Dough Mixers, Dough Scrapers, Doughnut Cutters, Doughnut Machines, Exhaust Fans, Floor Scrapers, Flour-Sifting Outfits, Flour-Weighing Hoppers, Grinders, Knives, Molders, Ovens, Paring Machines, Peel Blades and Handles, Pie Fillers, Pumps, Scoops, Sieves, Sifters, Steam Boxes, Tempering Tanks, Wire Whips.
Claims use since Sept. 1, 1920.

Ser. No. 221,142. (CLASS 37. PAPER AND STATIONERY.) STANDARD PAPER MANUFACTURING COMPANY, Richmond, Va. Filed Oct. 2, 1925.

"IMPERIAL"

Particular description of goods.—Blotting Paper.
Claims use since about Oct. 1, 1902.

Ser. No. 221,326. (CLASS 32. FURNITURE AND UPHOLSTERY.) JAMES H. MCCAIN, doing business as Alexandria Bedding Company, Alexandria, La. Filed Oct. 6, 1925.

No claim is made to the words "Quality Products" apart from the mark shown.

Particular description of goods.—Beds, Bed Springs, Mattresses, Pads, and Pillows.
Claims use since January, 1925.

Ser. No. 221,592. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 12, 1925.

BAKELITE

Particular description of goods.—Meter Frames, Disks and Cases, Ammeter Cases, Speedometer Parts, Wheatstone Bridges, Capacitance-Meter Parts, Flow-Meter Parts, Stirring Rods, Pipettes, Burettes, and Burette Stands, Graduates, Photographers' Trays, Camera Cases, Goggles, Color Screens, Microscope Stages and Lens Frames, Watch Glasses, Gauge Glasses, Crucibles, Beakers, Lenses, Ray Filters, Spectacle Frames, Reading-Glass Handles and Frames, T Squares, Rules, Angles, Curves, Triangular Scales, Section Liners, Centrolineads, and Protractors.
Claims use since Dec. 1, 1918.

Ser. No. 221,618. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JAMES J. KEATING, doing business as Speed-A-Way Manufacturing Co., Chillicothe, Ohio. Filed Oct. 12, 1925.

Speed-A-Way

Particular description of goods.—Patches for Inner Tubes for Pneumatic Tires.
Claims use since Mar. 15, 1924.

Ser. No. 221,686. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN-QUALLEY COMPANY, St. Paul, Minn. Filed Oct. 14, 1925.

Junior

Particular description of goods.—Bar Candy.
Claims use since Aug. 15, 1925.

Ser. No. 221,917. (CLASS 32. FURNITURE AND UPHOLSTERY.) ONEIDA COMMUNITY LIMITED, Oneida, N. Y. Filed Oct. 17, 1925.

COMMUNITY

Particular description of goods.—Chests, Dining-Room Tables, Serving Tables, Buffet Tables, Display Tables, Buffets, and Sideboards.
Claims use since 1913.

Ser. No. 222,207. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ADWEAR PROCESS SOLE LEATHER MACHINE CO., Philadelphia, Pa. Filed Oct. 24, 1925.

ADWEAR

Particular description of goods.—Belting Made of Leather, Fabric, and Rubber.
Claims use since Oct. 15, 1916.

Ser. No. 222,211. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN BERKS, Sacramento, Calif. Filed Oct. 24, 1925.

NEERWA

Particular description of goods.—Preparation for Sore Eyes, Granulated Lids, Trachoma, and All Forms of Eye Weakness.
Claims use since July 1, 1924.

Ser. No. 222,425. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 28, 1925.

BAKELITE

Particular description of goods.—Door Handles, Knobs, Knockers, Name Plates, Push Plates, and Escutcheons; Spraying Nozzles; Percolator Handles, Casters, Bell Handles, Valve Disks and Handles, Toilet Seats, Furniture Sliders, and Salt and Pepper Shakers.
Claims use since Dec. 1, 1915.

Ser. No. 222,432. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 28, 1925.

BAKELITE

Particular description of goods.—Radium Plaques, Ozonizing Apparatus, Violet-Ray Generators, Manicure Sets, Handles for Dental and Surgical Instruments, Cautery Insulation, Grinding Wheels of Dental Instruments, Teething Rings, and Artificial Teeth.
Claims use since Dec. 1, 1915.

Ser. No. 222,454. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. GREBE & CO., INC., Richmond Hill, N. Y. Filed Oct. 28, 1925.

MU

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Aug. 28, 1924.

Ser. No. 222,784. (CLASS 12. CONSTRUCTION MATERIALS.) A/S DALEN PORTLAND-CEMENTFABRIK, Brevik, Norway. Filed Nov. 4, 1925.

No claim is made to the exclusive right to the descriptive and geographical words "Portland Cement" and "Brevik, Norway" apart from the other features of the mark.

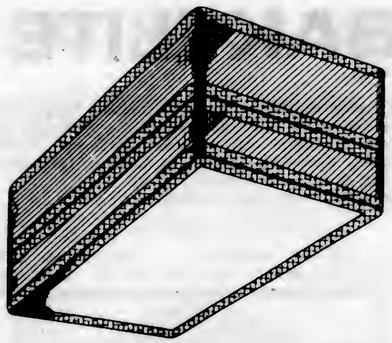
Particular description of goods.—Cement.
Claims use since February, 1924.

Ser. No. 222,847. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KLENZALL MANUFACTURING COMPANY, Atlanta, Ga., and Orange, Calif., doing business as California Cordage Co., Orange, Calif. Filed Nov. 5, 1925.

KLENZALL

Particular description of goods.—Mops, Dust Mops, Counter Mops, and Automobile Dust Cloths.
Claims use since June 26, 1924.

Ser. No. 222,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. PIERRE CHEMICAL CO., Chicago, Ill. Filed Nov. 5, 1925.



The color lines in the drawing indicate purple and gold colors. The representation of the container appearing in the drawing is hereby disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Suppositories for the Prevention and Alleviation of Diseases of the Pelvic Organs Peculiar to Women, Venereal Diseases, and Piles.

Claims use since prior to 1895.

Ser. No. 223,003. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNIVERSAL HANDKERCHIEF MANUFACTURING CO., New York, N. Y. Filed Nov. 7, 1925.

HAND-EE-KERCHIEF

The word "Kerchief" is not claimed apart from the mark shown in the drawing.

Particular description of goods.—Handkerchiefs.

Claims use since Oct. 1, 1925.

Ser. No. 223,160. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AL BOWEN, Portland, Oreg. Filed Nov. 12, 1925.

Al Bowen's Original
Golf Club
CANDY SUCKERS

"Al Bowen's Original Candy Suckers" is disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Candy, More Specifically, Candy Objects Representing Golf Balls and Golf-Club Heads, the Latter Being Carried by Sticks to Represent Golf Clubs. The Golf Clubs Are the Candy Suckers.

Claims use since Oct. 1, 1925.

Ser. No. 223,225. (CLASS 12. CONSTRUCTION MATERIALS.) THE EXOLON COMPANY, Blasdell, N. Y. Filed Nov. 13, 1925.

MULLE-X

Particular description of goods.—Refractory Materials, Particularly Artificial Mullite.

Claims use since about Sept. 1, 1925.

Ser. No. 223,227. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Nov. 13, 1925.

SUPERFLEX

Particular description of goods.—Dredging Sleeves.

Claims use since about Aug. 10, 1925.

Ser. No. 223,360. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN PLYWOOD CORPORATION, New London, Wis. Filed Nov. 16, 1925.

No claim is made to the words "American Plywood" or "Corporation" apart from the mark shown.

Particular description of goods.—Veneer and Plywood.

Claims use since Feb. 10, 1920.

Ser. No. 223,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA STATE RICE MILLING COMPANY, INC., New Orleans, La. Filed Nov. 16, 1925.

Water Maid

Particular description of goods.—Rice.

Claims use since about Sept. 25, 1925.

Ser. No. 223,581. (CLASS 37. PAPER AND STATIONERY.) SHINJIRO HORII, Tokio, Japan. Filed Nov. 20, 1925.

MYRIAGRAPH

Particular description of goods.—Stencil Sheets.

Claims use since Apr. 1, 1915.

Ser. No. 223,582. (CLASS 37. PAPER AND STATIONERY.) SHINJIRO HORII, Tokio, Japan. Filed Nov. 20, 1925.

MYRIATYPE

Particular description of goods.—Stencil Sheets.

Claims use since May 11, 1922.

Ser. No. 223,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHARMAKON A.-G. CHEMISCHE FABRIK, Frankfort-on-the-Main, Germany. Filed Nov. 21, 1925.

Yogin Konfekt

Particular description of goods.—Antineuralgicum, Antipyreticum, Antirheumaticum, Soporifics, and Prophylacticum.

Claims use since July, 1921.

Ser. No. 223,694. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Nov. 23, 1925.

The words "Vor Nachahmungen wird gewarnt Exportatis naar Allewereilddeelen Exportation nach Allen Weltteilen, Gesetzlich geschützte Marke, Egon Braun Hamburg, Maag-Bitter" are disclaimed apart from the mark shown on the drawing. The name "Egon Braun" in script is a facsimile signature of the original founder of the company and has been used with his knowledge and consent.

Particular description of goods.—Brandies, Liquors, Punches, Alcoholic Essences, and Extracts for Making Alcoholic Beverages.

Claims use since 1915.

Ser. No. 223,792. (CLASS 39. CLOTHING.) L. KUPFERMAN & CO., New York, N. Y. Filed Nov. 24, 1925.

Serges (KUP-PERFECTION) ALL WOOL

No claim is made to the words "Serges Perfection, All Wool" apart from the mark as shown.

Particular description of goods.—Men's and Boys' Suits.

Claims use since Sept. 1, 1925.

Ser. No. 223,797. (CLASS 12. CONSTRUCTION MATERIALS.) NORTHERN CORRUGATING COMPANY, Green Bay, Wis. Filed Nov. 24, 1925.

"NORCOR"

Particular description of goods.—Metal Cornices, Eaves, Troughs, Built-In Ventilators, Skylight Frames and Mountings, and Metal Garages.

Claims use since Jan. 1, 1922.

Ser. No. 223,836. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Nov. 25, 1925.

KIRK

Particular description of goods.—Dress Shirts.

Claims use since Mar. 12, 1924.

Ser. No. 223,937. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y. Filed Nov. 27, 1925.

No registration rights are claimed in the words "Haledon Finished" except in association with the other features of the mark.

Particular description of goods.—Textile Fabrics—Namely, Silk, Artificial Silk, Wool, and Cotton and Combinations Thereof.

Claims use since Nov. 14, 1925.

Ser. No. 224,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM ALBERT FOSTER, Jr., Milwaukee, Wis. Filed Nov. 30, 1925.

BLUE GOOSE

Particular description of goods.—Candy.
Claims use since Nov. 25, 1925.

Ser. No. 224,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BURGER, INC., New York, N. Y. Filed Dec. 4, 1925.

Lady Hamilton

Lady Hamilton is a famous historical character (1765–1815), being the wife of Sir William Hamilton, the British envoy at Naples, and because of her association with Admiral Nelson.

Particular description of goods.—Canned Fish, Specifically Canned Sardines.
Claims use since about July 14, 1925.

Ser. No. 224,234. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BURGER, INC., New York, N. Y. Filed Dec. 4, 1925.

Fi-Fi

Particular description of goods.—Canned Fish, Specifically Canned Sardines.
Claims use since about July 14, 1925.

Ser. No. 224,555. (CLASS 37. PAPER AND STATIONERY.) ELBE FILE & BINDER COMPANY, INC., New York, N. Y. Filed Dec. 11, 1925.

ELBE

Particular description of goods.—Stationers' Supplies—Namely, Loose-Leaf Binders, Rings, Fillers, Desk Pads, Paper Clips, Aluminum and Striped Wood Clip Boards, Loose-Leaf Ledgers, Screw Posts, End Supports for Books; Files Made of Leather, Cloth, and Paper; Office Supplies—Namely, All Articles Heretofore Mentioned Under Stationery Supplies and Also Folders for Filing Cabinets, Metal Tips for Vertical Guides; Advertising Novelties and Specialties—Namely Telephone Indexes and Telephone-Book Covers and Philatelic Supplies—Namely, Stock Books, Approval Cards, Postage-Stamp Albums, Stock Sheets, Pocket Stock Books, Set Books, and Envelope Albums; Paper Products—Namely, Pads, Tablets, Fillers for School Notebooks, Fillers for Loose-Leaf Notebooks; and School Supplies—Namely, Loose-Leaf Notebooks and Fillers, School Rings, Paper Pads, College Examination Books.
Claims use since about January, 1906.

Ser. No. 224,566. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) KNOWLES MUSHROOM VENTILATOR CO., New York, N. Y. Filed Dec. 11, 1925.

"NU-NOTCH"

Particular description of goods.—Underseat Air Diffusers for Auditoriums.
Claims use since Sept. 15, 1925.

Ser. No. 224,746. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DEFENDER MFG. COMPANY INC., Long Island City, N. Y. Filed Dec. 16, 1925.

Particular description of goods.—Sheets, Pillowcases, and Bedspreads.
Claims use since 1901.

Ser. No. 224,749. (CLASS 38. PRINTS AND PUBLICATIONS.) JEAN DIEUX, Paris, France. Filed Dec. 16, 1925.

CHUT

Particular description of goods.—Pamphlets, Folders, Booklets, Books, Magazines, Labels, Printed Forms, and Printed Advertising Matter.
Claims use since prior to Feb. 25, 1925.

Ser. No. 224,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS KONTES, doing business as Majestic Coffee Mills, Detroit, Mich. Filed Dec. 16, 1925.

M.C.

Particular description of goods.—Coffee.
Claims use since Nov. 5, 1925.

Ser. No. 224,796. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I. Filed Dec. 17, 1925.

Juvelaine

Particular description of goods.—Woolen Dress Goods.
Claims use since Sept. 1, 1925.

Ser. No. 224,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I. Filed Dec. 17, 1925.

ARDEEN

Particular description of goods.—Woolen Dress Goods—Namely Worsteds in the Piece.
Claims use since Sept. 1, 1925.

Ser. No. 224,814. (CLASS 39. CLOTHING.) A. FISHER & SON, INC., Lynn, Mass. Filed Dec. 17, 1925.

No claim is made to the word "Shoe" shown in the drawing.
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since May, 1923.

Ser. No. 224,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 17, 1925.

ASSIMILOSE

Particular description of goods.—Carbohydrate Compound for the Treatment of Diabetes.
Claims use since Sept. 23, 1925.

Ser. No. 224,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 17, 1925.

MELLITOSE

Particular description of goods.—Carbohydrate Compound for the Treatment of Diabetes.
Claims use since Sept. 23, 1925.

Ser. No. 224,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 17, 1925.

MELLITOSAN

Particular description of goods.—Carbohydrate Compound for the Treatment of Diabetes.
Claims use since Sept. 30, 1925.

Ser. No. 224,910. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) J. C. HAARTZ COMPANY, New Haven, Conn. Filed Dec. 19, 1925.

Duro Gloss

No claim is made to the word "Gloss" apart from the mark shown.
Particular description of goods.—Auto Top Finish (a Waterproof Fabric).
Claims use since Dec. 8, 1925.

Ser. No. 225,018. (CLASS 37. PAPER AND STATIONERY.) JAPAN PAPER COMPANY, New York, N. Y. Filed Dec. 22, 1925.

LOMBARDIA

No claim is made to the use of the word "Lombardia" apart from the mark shown.
Particular description of goods.—Italian Handmade Printing Paper.
Claims use since Aug. 28, 1915.

Ser. No. 225,038. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ROBERT H. RUCKER, doing business as Rucker Burton Dry Goods Store, Blackwell, Okla. Filed Dec. 22, 1925.

Wednesday Wonder Window ~

TRADE MARK

Applicant disclaims the words "Trade-Mark" apart from the other features of the mark.

Particular description of goods.—Sweeping and Whisk Brooms; Nail, Hair, Tooth, and Painters' Brushes; and Unimpregnated Cloth and Feather, Wool, and Bristle Dusters.

Claims use since Dec. 15, 1924.

Ser. No. 225,136. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PHILADELPHIA CLAY COMPANY, Philadelphia, Pa. Filed Dec. 24, 1925.

Jolanite

Particular description of goods.—Clay.

Claims use since Aug. 23, 1904.

Ser. No. 225,142. (CLASS 37. PAPER AND STATIONERY.) SEAMAN PAPER COMPANY, Chicago, Ill. Filed Dec. 24, 1925.

SEAMAN PAPER COMPANY SALES PRODUCER

No claim is made to the exclusive use of the words "Sales Producer" or either of them or to the words "Seaman Paper Company" forming part of said trade-mark except as in association with the mark as shown.

Particular description of goods.—Printing Paper.

Claims use since about Nov. 1, 1924.

Ser. No. 225,235. (CLASS 39. CLOTHING.) NEW YORK HAT STORES, INC., Los Angeles, Calif. Filed Dec. 28, 1925.

"SUNLAN" HATS CAPS "For Every Man's Head" TRADE MARK REGISTERED DE LUXE QUALITY New York Hat Stores INC.

No exclusive right is claimed to the use of the words "Hats," "Caps", "For Every Man's Head", "Trade Mark Registered," "De Luxe Quality," and "New York Hat Stores, Inc." except in the particular association in which such words appear in connection with the rest of the mark.

Particular description of goods.—Hats and Caps for Men and Boys.

Claims use since June 10, 1922.

Ser. No. 225,253. (CLASS 17. TOBACCO PRODUCTS.) WILLIAM BOUCHER & SONS, Baltimore, Md. Filed Dec. 29, 1925.

HAVANA GENTLEMAN

No claim is made to the word "Havana" apart from the mark shown.

Particular description of goods.—Cigars.

Claims use since 1900.

Ser. No. 225,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POND'S EXTRACT COMPANY, New York, N. Y. Filed Dec. 29, 1925. Under ten-year proviso.

POND'S

Particular description of goods.—Cold Cream, Vanishing Cream, Powder Compacts, Rouge Compacts, Face Powder, Antiseptic Cream, Tooth Paste, Talcum Powder, Ointment for Rough Skin, Burns, Etc., and All Ailments for which an Ointment is Applicable, and Extract Used as a Gargle, Eyewash, for Cuts, Bruises, and Other Ailments.

Claims use since 1846.

Ser. No. 225,324. (CLASS 39. CLOTHING.) SUPREME SHIRT COMPANY, Philadelphia, Pa. Filed Dec. 30, 1925.

Supreme

Particular description of goods.—Men's Dress, Negligee, and Work Shirts.

Claims use since Jan. 2, 1925.

Ser. No. 225,343. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. BAXTER & BROTHER, Brunswick, Me. Filed Dec. 31, 1925.

BAXTER'S FINEST

No claim is made to the words "Baxter's Finest" apart from the mark as shown in the drawings.

Particular description of goods.—Canned Vegetables, Particularly Canned Peas, Canned String and Stringless Beans.

Claims use since July 1, 1923.

Ser. No. 225,357. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE A. M. GRANT FURNITURE COMPANY, Cambridge, Mass. Filed Dec. 31, 1925.

Mastercraft

Particular description of goods.—Desks, Lowboys, Card Tables, Dressers, Beds, and Salem Chests.

Claims use since Dec. 14, 1925.

Ser. No. 225,386. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WEAVER AND SMITH, Lawrence, Kans. Filed Dec. 31, 1925.

POLLYANNA SOAP

The word "Soap" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Soap.

Claims use since on or about July 1, 1922.

Ser. No. 225,461. (CLASS 10. FERTILIZERS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Jan. 4, 1926.

VELVET LEAF

Particular description of goods.—Chemical Agricultural Fertilizers.

Claims use since January, 1922.

Ser. No. 225,561. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JOPLIN SUPPLY COMPANY, Joplin, Mo. Filed Jan. 6, 1926.

JOPLIN SUPPLY CO. QS JOPLIN, MO.

The words "Joplin Supply Co.", "Joplin, Mo.", "Quality", "Service", and "Auto Accessories and Shop Equipment" are hereby disclaimed except in combination with the mark shown. The drawing is shaded to indicate the colors blue and red.

Particular description of goods.—Shock Absorbers for Vehicles, Accelerators, and Accelerator Springs, Tire-Chain Adjusters, Piston Aligners, Automobile Ambulances, Door Antirattlers for Vehicles, Radius-Rod Antirattlers, Vehicle Spring Antirattlers, Steering-Rod Antirattlers, Axles and Axle Parts, Body Braces for Vehicles, Running-Board Braces for Vehicles, Steering-Column Braces for Vehicles, Bumper Brackets for Vehicles, Lincense Brackets for Vehicles, Mirror Brackets for Vehicles, Vehicle Brakes, Automobile Tire Buffers, Tire-Chain Repair Links, Tire Chains, Tire-Deflating Caps, Demountable Rims, Vehicle Wheels, Differential Drive Gears, Door-Handle Extensions, Emergency Axles, Curtain Fasteners for Vehicles, Hood Vehicle Fasteners, Windshields for Motor Vehicles, Headlight Lenses for Motor Vehicles, Hood Covers for Motor Vehicles, Curtain Lights for Motor-Vehicle Bodies, Antidraft Mats for Motor-Vehicle Pedals, Rear-View Mirrors for Motor Vehicles, Radiator Caps for Motor Vehicles, Windshield Sunshades, Windshield Visors, and Windshield Weather Strips.

Claims use since Sept. 1, 1923.

Ser. No. 225,575. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) REO MOTOR CAR COMPANY, Lansing, Mich. Filed Jan. 6, 1926.

No claim is made to the wording shown with the exception of the letters "R I O".

Particular description of goods.—Automobiles.

Claims use since Dec. 23, 1925.

Ser. No. 225,583. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Jan. 7, 1926.

LITTLE HELPER

Particular description of goods.—Toy Carpet Sweepers.

Claims use since Aug. 2, 1904.

Ser. No. 225,585. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BORCHARD LABORATORIES, Camden, N. J., assignor to The Borchard Laboratories, Inc., Camden, N. J., a Corporation of New Jersey. Filed Jan. 7, 1926.

NUSHINE 1-2-3

Particular description of goods.—Silver and Gold Polish.

Claims use since Oct. 3, 1924.

Ser. No. 225,604. (CLASS 2. RECEPTACLES.) GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis. Filed Jan. 7, 1926.

EDG-SEAL CONTAINER

No claim is made to the exclusive use of the word "Container".

Particular description of goods.—Metal Containers in the Form of Cans and Drums of Various Sizes Used for the Packaging and Shipping of Paints, Tar Products, Wax, and the Like.

Claims use since Nov. 17, 1925.

Ser. No. 225,622. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STUTZ MOTOR CAR COMPANY OF AMERICA, INC., Indianapolis, Ind. Filed Jan. 7, 1926.

No claim is made for the word "Stutz" and the numeral "8" apart from the mark as shown. The colors of blue, orange, green, and black, as indicated by the drawing are a material part of the trade-mark in combination with its configuration all as shown.

Particular description of goods.—Automobiles.

Claims use since Dec. 10, 1925.

Ser. No. 225,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDAHO CANNING CO., LTD., Payette, Idaho. Filed Jan. 9, 1926.

OUR Tiny

No claim is made to the word "Tiny" apart from the mark.

Particular description of goods.—Canned Vegetables.

Claims use since July, 1924.

Ser. No. 225,734. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SCHWABACHER BROS. & CO. INC., Seattle, Wash. Filed Jan. 9, 1926.

HAPPY HOME

Particular description of goods.—Brooms, Painters' Brushes, Household Sweeping Brushes, Tooth Brushes, Nail Brushes, Hairbrushes, Scrub Brushes, and Clothes Brushes, Whisk Brooms, Feather Dusters, and Mops.

Claims use since Nov. 1, 1925.

Ser. No. 225,778. (CLASS 38. PRINTS AND PUBLICATIONS.) EKROTH LABORATORIES, INC., New York, N. Y. Filed Jan. 11, 1926.

All wording appearing on the drawing is hereby disclaimed.

Particular description of goods.—Folders, Pamphlets, and Books.

Claims use since Dec. 15, 1924.

Ser. No. 225,796. (CLASS 2. RECEPTACLES.) MORELAND BUSINESS BUILDERS, INC., Chicago, Ill. Filed Jan. 11, 1926.

The Dollar Builder

Particular description of goods.—Pocket Cardboard Coin Holders.

Claims use since Nov. 2, 1925.

Ser. No. 225,912. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Jan. 14, 1926.

DEBUTANTE

Particular description of goods.—Brooches, Bar Pins, Pins for Dress Ornaments, Ornamental Hatpins, Ornamental Pins and Buckles for Decorating Hats, Ornamental Shoe Buckles, Necklaces, Bead Necklaces, Bracelets, Earrings, Hair Ornaments, and Finger Rings.

Claims use since January, 1921.

Ser. No. 225,919. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RICHARD LOUIS GEASLEN, doing business as Triad Products Co., Chicago, Ill. Filed Jan. 14, 1926.

TRIAD

Particular description of goods.—Water Heaters.

Claims use since July 1, 1925.

Ser. No. 225,939. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EMANUEL D. ROSENSTEIN, doing business as Eagle Malt Extract Company, Memphis, Tenn. Filed Jan. 14, 1926.

Drawing is lined for red.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Cordials.

Claims use since about July 1, 1925.

Ser. No. 226,011. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed Jan. 16, 1926.

MIDTEXSO

Particular description of goods.—Soap Product Prepared for Wet Cleaning.

Claims use since about July 15, 1925.

Ser. No. 226,075. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PENNZOIL CO., INC., Los Angeles, Calif. Filed Jan. 18, 1926.

LIGHT MEDIUM & HEAVY

Particular description of goods.—Publication Issued Monthly.
Claims use since May 18, 1922.

Ser. No. 226,095. (CLASS 37. PAPER AND STATIONERY.) CALIFORNIA-OREGON PAPER MILLS, Los Angeles, Calif. Filed Jan. 19, 1926.

Grief-Proof

Particular description of goods.—Wrapping Paper.
Claims use since March, 1925.

Ser. No. 226,106. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAURICE LEVY, New York, N. Y. Filed Jan. 19, 1926.

Rosemary
"FOR REMEMBRANCE"

Particular description of goods.—Powder Puffs.
Claims use since June, 1925.

Ser. No. 226,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORE DRUG COMPANY, Trenton, N. J. Filed Jan. 19, 1926.

Vigorade

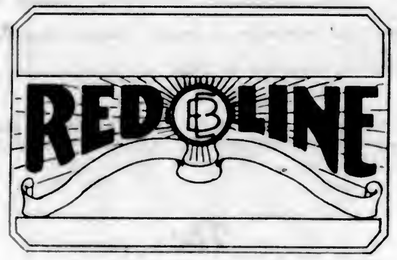
Particular description of goods.—Tonic for Coughs, Colds, Bronchial, and Pulmonary Affections, and General Debility.
Claims use since Dec. 15, 1925.

Ser. No. 226,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SPLENLOX CO., Dallas, Tex. Filed Jan. 19, 1926.

SPLENLOX

Particular description of goods.—Coconut-Oil Shampoo and Dandruff Remedy.
Claims use since December, 1906.

Ser. No. 226,134. (CLASS 39. CLOTHING.) ECKERLING BROTHERS, Chicago, Ill. Filed Jan. 20, 1926.



Particular description of goods.—Overalls, Overall Jackets and Pants.
Claims use since Jan. 12, 1926.

Ser. No. 226,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADIUM ORES CORPORATION, New York, N. Y. Filed Jan. 20, 1926.

Torbercite

Particular description of goods.—Natural Radioactive Product in Solid Form, Individually or in Combination with Other Elements, and Serving as a Medical Preparation for the Treatment of Skin Afflictions and for General External Application.
Claims use since Oct. 24, 1925.

Ser. No. 226,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADIUM ORES CORPORATION, New York, N. Y. Filed Jan. 20, 1926.

TORBENA

Particular description of goods.—Preparation Composed of Water or Any Other Fluid Rendered Radioactive for Medicinal Purposes for the Treatment of High Blood Pressure, Diabetes, Anæmia, Rheumatism of the Joints and Muscles, Arthritis, Neuralgia, Sciatica, Gout, Sinus Trouble, Arteriosclerosis, Glandular Inefficiency, Constipation, Toxic Conditions, Kidney Troubles, Liver Disorders, Bladder Disorders, Etc.
Claims use since Oct. 24, 1925.

Ser. No. 226,188. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Jan. 21, 1926.

CIRKUT

Particular description of goods.—Photographic Cameras, Panoramic Attachments for Cameras, Photographic Film, Tripods, and Photographic-Printing Frames.
Claims use since July, 1904, on cameras; since on or about January, 1906, on films, panoramic attachments for cameras, and tripods; and since on or about January, 1909, on printing frames.

Ser. No. 226,197. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) H. BENNE HENTON, Philadelphia, Pa. Filed Jan. 21, 1926.

Particular description of goods.—Mouthpieces for Musical Wind Instruments.
Claims use since about July 15, 1923.

Ser. No. 226,285. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GALION IRON WORKS & MFG. CO., Galion, Ohio. Filed Jan. 23, 1926.

The words "Galion Manganese Grader Blade" not being claimed herein apart from the other features of the mark shown.
Particular description of goods.—Blades for Road Graders.
Claims use since Sept. 1, 1925.

Ser. No. 226,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. J. WARD, doing business as Zenith Fire Appliance Company, Reno, Nev. Filed Jan. 23, 1926.

The words "Fire Dust" and "Fire Destroyer" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Fire-Extinguishing Compound.
Claims use since December, 1925.

Ser. No. 226,329. (CLASS 12. CONSTRUCTION MATERIALS.) BESTSTONE STUCCO COMPANY, INC., Brooklyn, N. Y. Filed Jan. 25, 1926.

No claim is made to the words "Beststone Stucco Company, Inc. Mark of Quality" apart from the mark shown.
Particular description of goods.—Stucco.
Claims use since Apr. 9, 1925.

Ser. No. 226,345. (CLASS 47. WINES.) JOS. DUDENHOEFER COMPANY, Milwaukee, Wis. Filed Jan. 25, 1926.

De La Salle

The name "De La Salle" refers to St. John Baptist De La Salle, founder of the Institute of the Brothers of the Christian Schools, educational reformer, and father of modern pedagogy. Born in France 1651 and died 1719.
Particular description of goods.—Sacramental Wines.
Claims use since Sept. 1, 1925.

Ser. No. 226,350. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOLEY BROS. GROCERY CO., St. Paul, Minn. Filed Jan. 25, 1926.

Fort Snelling

Particular description of goods.—Bluing, Gloss Starch, and Soda.
Claims use since Jan. 1, 1898.

Ser. No. 226,416. (CLASS 11. INKS AND INKING MATERIALS.) RALPH A. BELMONT, New York, N. Y. Filed Jan. 26, 1926.

Penene

Particular description of goods.—Writing Ink.
Claims use since Jan. 20, 1926.

Ser. No. 226,427. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y. Filed Jan. 26, 1926.

ADVICE TO LOVELORN

Particular description of goods.—A Series of Motion Picture Films.
Claims use since Dec. 31, 1925.

Ser. No. 226,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. PAUL CANNING CO., St. Paul, Ind. Filed Jan. 26, 1926.

Particular description of goods.—Canned Corn, Pumpkin, and Tomatoes.
Claims use since Aug. 29, 1925.

Ser. No. 226,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL BERMAN, New York, N. Y. Filed Jan. 27, 1926.

B. AND B.

Particular description of goods.—Plain and Ornamental Cakes.
Claims use since Feb. 1, 1915.

Ser. No. 226,540. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Jan. 28, 1926.

DEBUTANTE

Particular description of goods.—Hand Bags.
Claims use since September, 1925.

Ser. No. 226,543. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELCAYA CO., INC., New York, N. Y. Filed Jan. 28, 1926.

ELCAYA

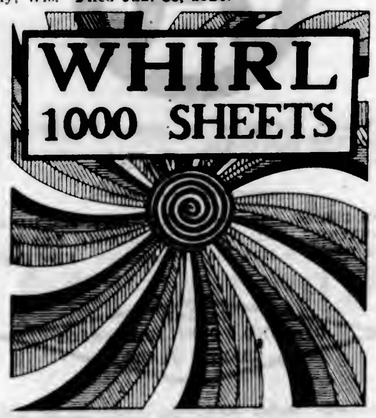
Particular description of goods.—Cold Cream, Cleansing Cream, Vanishing Cream, Witch-Hazel Cream, Rouge, Face Powder, Toilet Powder, and Bath Crystals.
Claims use since June 1, 1901.

Ser. No. 226,584. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CURTISS AEROPLANE AND MOTOR COMPANY, INC., Buffalo and Garden City, N. Y. Filed Jan. 29, 1926.

LARK

Particular description of goods.—Aeroplanes.
Claims use since June 1, 1925.

Ser. No. 226,653. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed Jan. 30, 1926.



The words "1000 Sheets" are disclaimed apart from the mark as shown. The crosshatching in the drawing is for shading only.
Particular description of goods.—Toilet Paper.
Claims use since Dec. 2, 1925.

Ser. No. 226,671. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ORLEANS PACKING CO., INC., New Orleans, La. Filed Jan. 30, 1926.

Highlander

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Jan. 15, 1926.

Ser. No. 226,672. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ORLEANS PACKING CO., INC., New Orleans, La. Filed Jan. 30, 1926.

Rathskeller

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Jan. 15, 1926.

Ser. No. 226,673. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ORLEANS PACKING CO., INC., New Orleans, La. Filed Jan. 30, 1926.

Rhineland

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Jan. 15, 1926.

Ser. No. 226,674. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NEW ORLEANS PACKING CO., INC., New Orleans, La. Filed Jan. 30, 1926.

Mardi Gras

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Jan. 15, 1926.

Ser. No. 226,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Jan. 30, 1926.

SUPERISE

Particular description of goods.—Preparation to be Used in Bread Making or as Yeast Food.
Claims use since about Nov. 15, 1925.

Ser. No. 226,701. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R. E. WATHEN & COMPANY, Louisville, Ky. Filed Jan. 30, 1926.

OLD HOSPITALITY

Particular description of goods.—Whisky.
Claims use since 1900.

Ser. No. 226,759. (CLASS 39. CLOTHING.) CLIFFORD I. BOUGHER, doing business as Norritex Hosiery Company, Norristown, Pa. Filed Feb. 2, 1926.

Norritex HOSIERY

No claim is made to the exclusive use of the word "Hosiery." Trade-mark "Norritex."
Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1926.

Ser. No. 226,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WALLACE MILLING COMPANY, Huntingburg, Ind. Filed Feb. 2, 1926.

White River

Particular description of goods.—Corn Meal.
Claims use since Aug. 1, 1925.

Ser. No. 226,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Filed Feb. 2, 1926.

No claim is made to the words "Tonic and Eradicator" and "Brand" apart from the mark as shown.
Particular description of goods.—Compounds for Eliminating Round Worms in Poultry and for Use as an Insecticide.
Claims use since Aug. 1, 1925.

Ser. No. 226,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. W. BAYLIS CO., New York, N. Y. Filed Feb. 3, 1926.

RAFLEECE

Particular description of goods.—Woven Fabrics of Silk, Artificial Silk, Cotton, and Wool and Combinations Thereof.
Claims use since Jan. 6, 1926.

Ser. No. 226,802. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BUXTON, INCORPORATED, Springfield, Mass. Filed Feb. 3, 1926.

COIN-TAINER

Particular description of goods.—Purses and Pocketbooks.
Claims use since Dec. 18, 1925.

Ser. No. 226,803. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BUXTON, INCORPORATED, Springfield, Mass. Filed Feb. 3, 1926.

MONEY-TAINER

Particular description of goods.—Purses and Pocketbooks.
Claims use since Dec. 18, 1925.

Ser. No. 226,813. (CLASS 37. PAPER AND STATIONERY.) MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Filed Feb. 3, 1926.

HOSTESS

Particular description of goods.—Paper Napkins.
Claims use since Jan. 1, 1926.

Ser. No. 226,841. (CLASS 46. FOOD AND INGREDIENTS OF FOODS.) BORCK & STEVENS, Bridgeport, Conn. Filed Feb. 4, 1926.

HomePride

Particular description of goods.—Bread.
Claims use since Dec. 9, 1925.

Ser. No. 226,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PYRAMID PACKING COMPANY, Sitka, Alaska. Filed Feb. 4, 1926.

OASIS

Particular description of goods.—Canned Fish.
Claims use since July 1, 1918.

Ser. No. 226,872. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WHITE COMPANY, Cleveland, Ohio. Filed Feb. 4, 1926.

Roll Call

Particular description of goods.—Annual Publications.
Claims use since May 1, 1916.

Ser. No. 226,883. (CLASS 38. PRINTS AND PUBLICATIONS.) LEILA CHEVALIER, New York, N. Y. Filed Feb. 5, 1926.

THE CRITIC

Particular description of goods.—Title of Magazine Published Monthly.
Claims use since June, 1919.

Ser. No. 226,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. M. HARRIS & SONS, Wyoming and Frederica, Del. Filed Feb. 5, 1926.

HARRIS' STAR

Applicant disclaims any exclusive right to the use of "Harris" except in the precise relation and association in which the same appears herein.
Particular description of goods.—Canned Fruits, Canned Soups, Canned Vegetables, and Tomato Catchup.
Claims use since July 1, 1925.

Ser. No. 226,904. CLASS 6. (CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. KATSAFAROS, Steubenville, Ohio. Filed Feb. 5, 1926.

No claim is made to the words "Trade Mark" appearing on the drawing.
Particular description of goods.—Preparation for the Treatment of Syphilis.
Claims use since Jan. 25, 1926.

Ser. No. 226,971. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES H. POST, New York, N. Y. Filed Feb. 6, 1926.

"95 & 5"

Particular description of goods.—Dressing for Machinery Belts.
Claims use since Jan. 12, 1926.

Ser. No. 227,000. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 8, 1926.

Stone Mountain

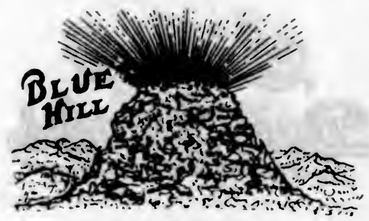
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages and Compounds and Concentrates for Making Such Beverages.
Claims use since about Nov. 1, 1925.

Ser. No. 227,014. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GUSTAV GUTFREUND, doing business as Des Moines Bottling Works, Des Moines, Iowa. Filed Feb. 8, 1926.

MEDALLION

"Medallion."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz., Ginger Ale and Other Flavors.
Claims use since 1912.

Ser. No. 227,052. (CLASS 46. FOODS AND INGREDIENTS FOR FOODS.) BLUE HILL CANDY CO., St. Louis, Mo. Filed Feb. 8, 1926.



Particular description of goods.—Candies.
Claims use since Apr. 9, 1920.

Ser. No. 227,068. (CLASS 39. CLOTHING.) LAWRENCE M. GARSON, Pittsburgh, Pa. Filed Feb. 9, 1926.

FLAPPERALLS FOR BOYS & GIRLS

Applicant disclaims the use of the words "For Boys and Girls" apart from the mark shown.
Particular description of goods.—Children's Play Suits.
Claims use since Jan. 30, 1926.

Ser. No. 227,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON BAKING COMPANY, Detroit, Mich. Filed Feb. 9, 1926.

DUCHESS

Particular description of goods.—Cakes.
Claims use since Jan. 13, 1926.

Ser. No. 227,074. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Feb. 9, 1926.

The Reviewing Stand

Particular description of goods.—Section of a Periodical Magazine.
Claims use since Dec. 1, 1925.

Ser. No. 227,125. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) L. J. & M. LEFKOWITZ, INC., New York, N. Y. Filed Feb. 10, 1926.

Graceline

"Graceline."
Particular description of goods.—Hand Bags.
Claims use since Nov. 2, 1925.

Ser. No. 227,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Feb. 11, 1926.

ORANGE TAM GIRL

The lining in the drawing denotes the color orange.
Particular description of goods.—Chewing Gum.
Claims use since Jan. 19, 1926.

Ser. No. 227,158. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ANSTED & BURK CO., Springfield, Ohio. Filed Feb. 11, 1926.

Particular description of goods.—Self-Rising Flour and Wheat Flour.
Claims use since Jan. 28, 1920.

Ser. No. 227,160. (CLASS 38. PRINTS AND PUBLICATIONS.) THE GEORGE W. BLANON CO., Nicetown, Philadelphia, Pa. Filed Feb. 11, 1926.

The Merchant's Viewpoint

Particular description of goods.—Periodicals.
Claims use since about Dec. 23, 1925.

Ser. No. 227,162. (CLASS 2. RECEPTACLES.) BOXBOARD PRODUCTS COMPANY, Manayunk, Philadelphia, Pa. Filed Feb. 11, 1926.

MINERALITE

Particular description of goods.—Shipping Containers.
Claims use since June 1, 1925.

Ser. No. 227,173. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOL. GOLDRING, Pensacola, Fla. Filed Feb. 11, 1926.

Big G

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making Same.
Claims use since Apr. 20, 1925.

Ser. No. 227,180. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN MINOR KROYER, Los Angeles, Calif. Filed Feb. 11, 1926.

CONSERVATION

Particular description of goods.—Internal-Combustion Engines.
Claims use since about Jan. 1, 1926.

Ser. No. 227,183. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM LAWS, Jr., New Smyrna and Orange City, Fla. Filed Feb. 11, 1926.

FLAMINGO

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since July 1, 1921.

Ser. No. 227,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMS EDOUARDO, a Corporation, New York, N. Y. Filed Feb. 11, 1926.

BAG-DABS

Particular description of goods.—Perfume, Toilet Water, and Toilet Powder.
Claims use since about Dec. 21, 1925.

Ser. No. 227,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROCKWOOD & CO., New York, N. Y. Filed Feb. 12, 1926.

Silver Dew Drops

Applicant disclaims exclusive right to the use of the word "Drops" except as used with the other features of the mark.
Particular description of goods.—Chocolates.
Claims use since November, 1921.

Ser. No. 227,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GYPSY DYES, INC., Chicago, Ill. Filed Feb. 15, 1926.

The portrait is fanciful.
Particular description of goods.—Dyes and Colorings.
Claims use since Mar. 16, 1923.

Ser. No. 227,340. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY BURNS, Los Angeles, Calif. Filed Feb. 16, 1926.

HOLLYWOOD FILMOGRAPH HOLLYWOOD

Particular description of goods.—Weekly Publication.
Claims use since June 6, 1925.

Ser. No. 227,341. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO G. CALABRO, doing business as The Calabro Company, Boston, Mass. Filed Feb. 16, 1926.

KING LION

Particular description of goods.—Hairdressing.
Claims use since Feb. 12, 1925.

Ser. No. 227,352. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Feb. 16, 1926.

Melody King

Particular description of goods.—Mouth Harmonicas and Accordions.
Claims use since Nov. 20, 1925.

Ser. No. 227,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND HOLTZ, Paris, France. Filed Feb. 16, 1926.

Citianol

Particular description of goods.—Toilet Creams and Powders.
Claims use since May 22, 1923.

Ser. No. 227,360. (CLASS 38. PRINTS AND PUBLICATIONS.) LYMAN PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 16, 1926.

INDUSTRIAL RETAIL STORES

Particular description of goods.—Monthly Printed Periodical or Trade Paper.
Claims use since Jan. 20, 1926.

Ser. No. 227,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. PRAECHTL, Pine Hill, Buffalo, N. Y. Filed Feb. 16, 1926.

DOLLY DIMPLE

Particular description of goods.—Lemon Cream.
Claims use since Feb. 15, 1924.

Ser. No. 227,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN T. GALE, doing business as The Dri-Well Co., St. Paul, Minn. Filed Feb. 17, 1926.

Dri-Well

Particular description of goods.—Perspiration Deodorant and Remedy for Stopping or Checking Perspiration.
Claims use since December, 1925.

Ser. No. 227,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC EGG PRODUCERS COOPERATIVE, INC., New York, N. Y. Filed Feb. 17, 1926.

201 SUNRISE

Particular description of goods.—Eggs.
Claims use since Jan. 2, 1926.

Ser. No. 227,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD C. FOSTER, Providence, R. I. Filed Feb. 18, 1926.

VATANOL

"Vatanol."
Particular description of goods.—Dyes and Dyestuffs.
Claims use since Feb. 9, 1925.

Ser. No. 227,469. (CLASS 38. PRINTS AND PUBLICATIONS.) PARMER & CO., New York, N. Y. Filed Feb. 18, 1926.

WALL STREET REVIEW

Particular description of goods.—Bimonthly Publication of Financial Information and Offerings.
Claims use since October, 1924.

Ser. No. 227,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED LABORATORIES, Pasadena, Calif. Filed Feb. 18, 1926.

Laxomalt

Particular description of goods.—Emulsion of Petrolatum with Malt.
Claims use since Jan. 13, 1926.

Ser. No. 227,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED LABORATORIES, Pasadena, Calif. Filed Feb. 18, 1926.

Petromalt

Particular description of goods.—Emulsion of Petrolatum with Malt.
Claims use since Jan. 13, 1926.

Ser. No. 227,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED LABORATORIES, Pasadena, Calif. Filed Feb. 18, 1926.

Maltolatum

Particular description of goods.—Emulsion of Petrolatum with Malt.
Claims use since Jan. 13, 1926.

Ser. No. 227,489. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNITED LABORATORIES, Pasadena, Calif. Filed Feb. 18, 1926.

Maltolax

Particular description of goods.—Emulsion of Petrolatum with Malt.
Claims use since Nov. 24, 1925.

Ser. No. 227,497. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

VANLY

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Jan. 25, 1926.

Ser. No. 227,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

Boucar

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Oct. 20, 1925.

Ser. No. 227,575. (CLASS 37. PAPER AND STATIONERY.) THE EATON-DIKEMAN CO., Lee, Mass. Filed Feb. 20, 1926.

SUPER-CAST

Particular description of goods.—Matrix Paper.
Claims use since Jan. 1, 1923.

Ser. No. 227,590. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MERIT PUBLISHING COMPANY, Cleveland, Ohio. Filed Feb. 20, 1926.

Hot Dog!

"Hot Dog!"
Particular description of goods.—Monthly Magazine.
Claims use since Sept. 1, 1921.

Ser. No. 227,593. (CLASS 38. PRINTS AND PUBLICATIONS.) MORNING TELEGRAPH COMPANY, New York, N. Y. Filed Feb. 20, 1926.

THE CHATTERBOX

Particular description of goods.—Nom de Plume for Particular Column of News in a Newspaper.
Claims use since Jan. 26, 1926.

Ser. No. 227,596. (CLASS 11. INKS AND INKING MATERIALS.) THE PAR VELL LABORATORIES, Columbus, Ohio. Filed Feb. 20, 1926.

"PARVELL"

Particular description of goods.—Drawing Inks, Writing Inks, and Marking Inks.
Claims use since about July 1, 1921.

Ser. No. 227,605. (CLASS 38. PRINTS AND PUBLICATIONS.) REVIEW AND HERALD PUB. ASSN., Takoma Park, D. C. Filed Feb. 20, 1926.

The Present Review and Sabbath Herald

Particular description of goods.—Weekly Publications.
Claims use since August, 1851.

Ser. No. 227,606. (CLASS 38. PRINTS AND PUBLICATIONS.) REVIEW AND HERALD PUB. ASSN., Takoma Park, D. C. Filed Feb. 20, 1926.

The YOUTH's INSTRUCTOR

Particular description of goods.—Weekly Publications.
Claims use since August, 1852.

Ser. No. 227,663. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MERIT PUBLISHING COMPANY, Cleveland, Ohio. Filed Feb. 23, 1926.

Secrets

"Secrets."
Particular description of goods.—Monthly Magazine.
Claims use since Oct. 1, 1922.

Ser. No. 227,680. (CLASS 39. CLOTHING.) PENNDELPHIA, INC., Philadelphia, Pa. Filed Feb. 23, 1926.

PennDelphia

Particular description of goods.—Hosiery for Women.
Claims use since Feb. 10, 1926.

Ser. No. 227,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. GRATZ, Hoboken, N. J. Filed Feb. 20, 1926.

IOTAN

Particular description of goods.—Antiseptic Mouth Wash.
Claims use since June 1, 1925.

Ser. No. 227,711. (CLASS 39. CLOTHING.) FRANCIS W. BOURGOIN, doing business as Tops-All Overall Co., Webster Groves, Mo. Filed Feb. 24, 1926.

TOPS-ALL

Particular description of goods.—Overalls.
Claims use since June 15, 1925.

Ser. No. 227,723. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. S. DUFFY MEDICINE CO., New Bern, N. C. Filed Feb. 24, 1926.

KiddO

Particular description of goods.—Kidney and Backache Remedy.
Claims use since Oct. 20, 1925.

Ser. No. 227,726. (CLASS 38. PRINTS AND PUBLICATIONS.) DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Feb. 24, 1926.

The Sunbeam

Particular description of goods.—Yearly Publication.
Claims use since Jan. 1, 1924.

Ser. No. 227,729. (CLASS 38. PRINTS AND PUBLICATIONS.) DR. PETER FAHRNEY & SONS CO., Chicago, Ill. Filed Feb. 24, 1926.

Dawn of Hope

Particular description of goods.—Yearly Publication.
Claims use since Jan. 1, 1924.

Ser. No. 227,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH PIAZZA, doing business as Dandrex Co., New York, N. Y. Filed Feb. 24, 1926.

DANDREX

Particular description of goods.—Ointment for Preserving the Hair.
Claims use since Feb. 1, 1926.

Ser. No. 227,756. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STERN & STERN TEXTILE IMPORTERS, INC., New York, N. Y. Filed Feb. 24, 1926.

SARAO

Particular description of goods.—Chiffon in the Piece.
Claims use since Feb. 15, 1926.

Ser. No. 227,762. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 24, 1926.

DORIANA

Particular description of goods.—Cloth Comprised Entirely of Cotton, Cotton and Rayon, or Cotton and Silk Mixtures.
Claims use since July 1, 1925.

Ser. No. 227,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 24, 1926.

FLORIANA

Particular description of goods.—Cloth Comprised Entirely of Cotton, Cotton and Rayon, or Cotton and Silk Mixtures.
Claims use since May 1, 1925.

Ser. No. 227,764. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 24, 1926.

LUSTRANA

Particular description of goods.—Cloth Comprised Entirely of Cotton, Cotton and Rayon, or Cotton and Silk Mixtures.
Claims use since Feb. 15, 1925.

Ser. No. 227,795. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926.

Fieldbrook

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Apr. 13, 1925.

Ser. No. 227,822. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) APPLETON COMPANY, Lowell, Mass. Filed Feb. 26, 1926.

Good Luck.

Particular description of goods.—Cotton Piece Goods.
Claims use since July, 1879.

Ser. No. 227,823. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BELL SYNDICATE, INC., New York, N. Y. Filed Feb. 26, 1926.

BUSTER GATES, THE CRASHER

Particular description of goods.—Series of Cartoons.
Claims use since Feb. 1, 1926.

Ser. No. 227,830. (CLASS 38. PRINTS AND PUBLICATIONS.) EARNSHAW SALES COMPANY, Chicago, Ill. Filed Feb. 26, 1926.

GIRLS' & JUNIORS' WEAR

Particular description of goods.—Magazine Published Monthly.
Claims use since on or about Jan. 15, 1926.

Ser. No. 227,885. (CLASS 33. GLASSWARE.) FLEXLUME CORPORATION, Tonawanda, N. Y. Filed Feb. 27, 1926.

FLEXLUME

Particular description of goods.—Glass Letters and Characters and Glass Letter Plates and Character Plates All for Use In Electrically-Illuminated Signs and As Parts of Such Signs.
Claims use since March, 1912.

Ser. No. 227,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS K. SHOUSE, doing business as Capitol-Lax Company, Winston-Salem, N. C., and Washington, D. C. Filed Feb. 27, 1926.

Particular description of goods.—Chewing Gum and Candy Laxatives.
Claims use since Jan. 27, 1926.

Ser. No. 227,924. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE C. C. THOMPSON POTTERY COMPANY, East Liverpool, Ohio. Filed Feb. 27, 1926.

Nasturtium

Particular description of goods.—Pottery, Earthenware, Chinaware, Crockery, and Porcelain.
Claims use since Feb. 4, 1926.

Ser. No. 227,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL BONAT & BRO., New York, N. Y. Filed Mar. 1, 1926.

Dyart

Particular description of goods.—Hair Dye.
Claims use since September, 1924.

Ser. No. 227,955. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY D. MILDEBERGER, New York, N. Y. Filed Mar. 1, 1926.

BUNK AND FACT

Particular description of goods.—Weekly Column of Comments.
Claims use since Jan. 8, 1926.

Ser. No. 227,958. (CLASS 33. GLASSWARE.) THE MILLER COMPANY, Meriden, Conn. Filed Mar. 1, 1926.

DEPENDO

Particular description of goods.—Glass Globes and Reflectors.
Claims use since Dec. 1, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 6, 1926.

211,073. CORSETS, BRASSIÈRES, GIRDLES, AND BANDEAUX. VENUS BRASSIERE CO., Chicago, Ill.
Filed November 25, 1925. Serial No. 223,878. PUBLISHED JANUARY 5, 1926.

211,074. SHAMPOO. A. M. ALEXANDER, doing business as La Prene, Chicago, Ill.
Filed November 12, 1925. Serial No. 223,156. PUBLISHED JANUARY 5, 1926.

211,075. CANNED FISH. JOHN BRAADLAND LTD., doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass.
Filed March 17, 1923. Serial No. 177,586. PUBLISHED MARCH 10, 1925.

211,076. PAPER CUPS AND DISPENSERS THEREFOR. THE VORTEX MFG. CO., Chicago, Ill.
Filed December 19, 1924. Serial No. 206,985. PUBLISHED JANUARY 19, 1926.

211,077. COSMETICS—VIZ, LIP STICKS, EYEBROW PENCILS, COMPACT POWDERS, ROUGE, AND SKIN POMADES. SOCIETE NOUVELLE DE PARFUMERIE, Paris, France.
Filed April 8, 1925. Serial No. 212,404. PUBLISHED JULY 21, 1925.

211,078. SALVE FOR USE IN THE TREATMENT OF BURNS, SCALDS, BRUISES, BOILS, CUTS, AND INFECTIONS. ELIZABETH O'CONNOR, Springville, N. Y.
Filed June 11, 1925. Serial No. 215,650. PUBLISHED DECEMBER 22, 1925.

211,079. MASSAGE CREAM, FACE POWDER; WHITENER FOR NECK, ARMS, AND HANDS; HAIR TONIC, HAIR OINTMENT, SKIN ASTRINGENT, AND HAND LOTION. LENORA L. SCHAEFER, Chicago, Ill.
Filed June 26, 1925. Serial No. 216,483. PUBLISHED JANUARY 5, 1926.

211,080. MEN'S AND WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; SHOE HEELS AND HOSIERY, TOP LIFTS, HEEL GRIPS, AND INSOLES. PEDOX PRODUX INC., New York, N. Y.
Filed July 13, 1925. Serial No. 217,291. PUBLISHED JANUARY 5, 1926.

211,081. STEEL SHEETS, PLATES, AND BARS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 29, 1925. Serial No. 222,537. PUBLISHED DECEMBER 15, 1925.

211,082. FRESH APPLES AND PEACHES. J. G. SCHLOTTER & CO., Indianapolis, Ind.
Filed October 31, 1925. Serial No. 222,636. PUBLISHED DECEMBER 15, 1925.

211,083. INK ERASER OR ERADICATOR. ARTHUR M. PHILLIPS, doing business as The Arbray Chemical Company, Canton, Ohio.
Filed November 4, 1925. Serial No. 222,796. PUBLISHED DECEMBER 22, 1925.

211,084. PREPARATIONS FOR THE RELIEF OF COLD FEET AND ABNORMAL FOOT TRANSPIRATION. GEORG ENGELHARDT, Cassel-Wilhelmshohe, Germany.
Filed November 11, 1925. Serial No. 223,118. PUBLISHED DECEMBER 29, 1925.

211,085. HAIR POMADES. WILLIAM A. STONE, doing business as Stone & Co., Dallas, Tex.
Filed November 12, 1925. Serial No. 223,202. PUBLISHED DECEMBER 29, 1925.

211,086. LADIES' HATS. WIEDER BROS. INC., New York, N. Y.
Filed November 24, 1925. Serial No. 223,829. PUBLISHED JANUARY 5, 1926.

211,087. GARTERS. THE A. J. DONOHUE CORPORATION, Milford, Conn.
Filed October 29, 1925. Serial No. 222,501. PUBLISHED JANUARY 5, 1926.

211,088. SWEATBANDS. HARRIS & TIPOGRAPH, INC., New York, N. Y.
Filed September 8, 1925. Serial No. 219,965. PUBLISHED DECEMBER 29, 1925.

211,089. MARMALADES AND JAM CONTAINING NUTS. JANE ALLEN, Grasmere, Staten Island, N. Y., assignor to Ferrier T. Martin, John G. Davis, and Mary Dean Davis, all of New York, N. Y.
Filed September 15, 1925. Serial No. 220,281. PUBLISHED JANUARY 26, 1926.

211,090. ASTHMA MEDICINE; TOOTHACHE, CORN, COUGH, AND COLD MEDICINE; LAXATIVE, SALVE FOR CUTS, BRUISES, RHEUMATISM, ETC.; SKIN CREAM, SKIN LOTION, LINIMENT, HEADACHE MEDICINES, HAIR TONIC, HAIR SHAMPOO, BLOOD TONIC; WORM, LIVER, AND INDIGESTION MEDICINE. JAMES J. GEORGIA, Waterbury, Conn.
Filed October 17, 1925. Serial No. 221,891. PUBLISHED DECEMBER 22, 1925.

211,091. CERTAIN NAMED TOILET PREPARATIONS. CRYSTAL-LEE, INC., New York, N. Y.
Filed October 28, 1925. Serial No. 222,443. PUBLISHED DECEMBER 22, 1925.

211,092. CORSETS, BRASSIÈRES, GIRDLES, AND BANDEAUX. VENUS BRASSIERE CO., Chicago, Ill.
Filed November 23, 1925. Serial No. 223,755. PUBLISHED JANUARY 5, 1926.

211,093. STEEL PLATES AND SHEETS, THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 29, 1925. Serial No. 222,535. PUBLISHED DECEMBER 15, 1925.

211,094. WOMEN'S AND MISSES' HATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 23, 1925. Serial No. 223,700. PUBLISHED JANUARY 5, 1926.

211,095. QUOITS. THE A. SCHOENHUT COMPANY, Philadelphia, Pa.
Filed November 14, 1925. Serial No. 223,337. PUBLISHED JANUARY 5, 1926.

211,096. CORSETS, BRASSIÈRES, GIRDLES, AND BANDEAUX. VENUS BRASSIERE CO., Chicago, Ill.
Filed November 23, 1925. Serial No. 223,754. PUBLISHED JANUARY 5, 1926.

211,097. PISTONS. PERMITE PISTON CO., Cincinnati, Ohio.
Filed November 30, 1925. Serial No. 224,041. PUBLISHED JANUARY 12, 1926.

211,098. HAND MILLS FOR GRINDING GRAIN, COFFEE, SPICES, CHOCOLATE, ETC. THE C. S. BELL CO., Hillsboro, Ohio.
Filed December 2, 1925. Serial No. 224,073. PUBLISHED JANUARY 12, 1926.

211,099. SCISSORS AND SHEARS. THE ACME SHEAR COMPANY, Bridgeport, Conn.
Filed October 13, 1925. Serial No. 221,655. PUBLISHED JANUARY 12, 1926.

211,100. SAUCE COMPOSED OF SWEET INDIA RELISH, FRENCH MUSTARD, PIMIENTO SLICES, AND VINEGAR. MCNAMARA BROS., Whiting, Ind.
Filed October 12, 1925. Serial No. 221,628. PUBLISHED JANUARY 12, 1926.

211,101. INTERNAL-COMBUSTION ENGINES AND THEIR PARTS. ERD MOTORS CORPORATION, Saginaw, Mich.
Filed October 12, 1925. Serial No. 221,601. PUBLISHED JANUARY 12, 1926.

211,102. MACHINES FOR MAKING TOOLS, AND TOOLS—NAMELY, HAND DRILLS, BREAST DRILLS, BRACES, DOUBLE-GRIP DRILL CHUCKS, THREE-JAW DRILL CHUCKS, SLEEVES, TAPS, TAP WRENCHES, STOCKS, AND DIES FOR MOTOR CARS, AND REAMERS. OTTO HÄFNER, Wandsbek, near Hamburg, Germany.
Filed October 6, 1925. Serial No. 221,316. PUBLISHED JANUARY 12, 1926.

211,103. DETACHABLE FABRIC COVERINGS FOR FURNITURE, CUSHIONS, AND PILLOWS. THE SPENCER-DUFFY COMPANY, INC., Grand Rapids, Mich.
Filed October 5, 1925. Serial No. 221,285. PUBLISHED JANUARY 12, 1926.

211,104. CERTAIN NAMED FOOD PRODUCTS. G. CINELLI COMPANY, Tacoma, Wash.
Filed October 5, 1925. Serial No. 221,238. PUBLISHED JANUARY 12, 1926.

211,105. FACE POWDER, TOILET CREAM, COLD CREAM, ASTRINGENT, PREPARATION FOR SUN AND WIND BURN, PREPARATION FOR SORE FEET, PREPARATION FOR HAY FEVER AND COLD, AND FLESH REDUCER. A. J. KRANK MANUFACTURING CO., St. Paul, Minn.
Filed December 16, 1922. Serial No. 173,430. PUBLISHED DECEMBER 30, 1924.

211,106. CANNED PEAS, CANNED STRINGLESS BEANS, OLIVE OIL, CANNED CORN, CANNED TOMATOES, AND ALIMENTARY PASTE AND RICE. PARISI BROS., Mount Vernon, N. Y.
Filed June 17, 1925. Serial No. 215,943. PUBLISHED JANUARY 12, 1926.

211,107. PAPER PATTERNS. R. H. MACY & CO., INC., New York, N. Y.
Filed November 21, 1925. Serial No. 223,648. PUBLISHED JANUARY 5, 1926.

211,108. TOOTHBRUSHES, NAILBRUSHES, HAIRBRUSHES, FLESH BRUSHES, LATHER BRUSHES, AND CLOTHES BRUSHES. PRO-PHYLAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed November 21, 1925. Serial No. 223,656. PUBLISHED JANUARY 26, 1926.

211,109. TOY AUTOMOBILES. EDWARD E. GREEN, doing business as Star Aluminum and Brass Foundry, San Francisco, Calif.
Filed November 23, 1925. Serial No. 223,710. PUBLISHED JANUARY 26, 1926.

211,110. PRINTS AND PUBLICATIONS. STEVENS & WALLIS (INCORPORATED), Salt Lake City, Utah.
Filed April 16, 1923. Serial No. 179,234. PUBLISHED DECEMBER 29, 1925.

211,111. ARCH PADS. HARRY D. EMEOTT, doing business as New Life Arch Pad Co., St. Paul, Minn.
Filed November 24, 1925. Serial No. 223,775. PUBLISHED JANUARY 5, 1926.

211,112. POPCORN AND PEANUT VENDING MACHINES. WILLIAM D. ROOT, doing business as The Electrovend Company, Cleveland, Ohio.
Filed July 30, 1923. Serial No. 183,856. PUBLISHED JANUARY 12, 1926.

211,113. POP-CORN AND PEANUT VENDING MACHINES. WILLIAM D. ROOT, doing business as The Electrovend Company, Cleveland, Ohio.
Filed July 30, 1923. Serial No. 183,857. PUBLISHED JANUARY 12, 1926.

211,114. POP-CORN AND PEANUT VENDING MACHINES. WILLIAM D. ROOT, doing business as The Electrovend Company, Cleveland, Ohio.
Filed July 30, 1923. Serial No. 183,858. PUBLISHED JANUARY 12, 1926.

211,115. CERTAIN NAMED FOODS. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed September 26, 1925. Serial No. 220,821. PUBLISHED JANUARY 12, 1926.

211,116. TWINE. RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif.
Filed September 25, 1925. Serial No. 220,779. PUBLISHED DECEMBER 15, 1925.

211,117. ARTISTS' BRUSHES. MAX GRUMBACHER, New York, N. Y.
Filed December 1, 1923. Serial No. 189,108. PUBLISHED JANUARY 26, 1926.

211,118. RADIO PRODUCTS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed February 12, 1925. Serial No. 209,460. PUBLISHED DECEMBER 29, 1925.

211,119. DRESSED POULTRY, BUTTER, EGGS, SAUSAGES, HAMS, BACON, AND CHEESE. CONRON BROS. COMPANY, New York, N. Y.
Filed April 16, 1925. Serial No. 212,785. PUBLISHED JANUARY 12, 1926.

211,120. GRINDERS FOR TEXTILE CARDS, CALENDER ROLLS FOR PAPER MILLS, GARNETT ROLLS, NAPPER ROLLS, AND SHEARING BLADES. B. S. ROY & SON CO., Worcester, Mass.
Filed Sept. 21, 1925. Serial No. 220,575. PUBLISHED JANUARY 12, 1926.

211,121. MALT EXTRACT FOR FOOD PURPOSES ONLY. ROBERT NEMEC, doing business as Progress Malt Extract Co., Chicago, Ill.
Filed September 5, 1925. Serial No. 219,904. PUBLISHED JANUARY 12, 1926.

211,122. SAFETY KNIVES FOR SKINNING ANIMALS. CARL KLAIBER, Zurich, Switzerland.
Filed September 2, 1925. Serial No. 219,671. PUBLISHED JANUARY 12, 1926.

211,123. ICE CREAM. GUSS PAPPAS, doing business as Boston Confectionery, Perth Amboy, N. J.
Filed August 4, 1925. Serial No. 218,371. PUBLISHED JANUARY 12, 1926.

211,124. MEDICINAL PREPARATION USED AS A BLOOD-PRESSURE REDUCER. JOHN F. JUSTIN, doing business as Berkeley Laboratories, Weehawken, N. J.
Filed August 26, 1925. Serial No. 219,395. PUBLISHED NOVEMBER 10, 1925.

211,125. BLANK BOOKS, MEMORANDUM BOOKS, ALBUMS, PHOTOGRAPH ALBUMS, SHOPPING-LIST BOOKS, SCRAPBOOKS, BOOKS OF BLANK FORMS, PORTRAIT PORTFOLIOS. CARROLL CUTLER MILES, doing business as C. C. Miles, Lancaster, Mass.
Filed July 21, 1925. Serial No. 217,681. PUBLISHED DECEMBER 29, 1925.

211,126. CONCENTRATED YEAST FOOD PREPARATION OF HIGH VITAMIN CONTENT. VITAMIN FOOD CO., INC., New York, N. Y.
Filed April 29, 1925. Serial No. 213,538. PUBLISHED JULY 7, 1925.

211,127. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif.
Filed May 4, 1925. Serial No. 213,798. PUBLISHED JUNE 23, 1925.

211,128. FLUE EXPANDERS FOR STEAM BOILERS. THE J. FAESSLER MFG. CO., Moberly, Mo.
Filed May 11, 1925. Serial No. 214,146. PUBLISHED JANUARY 12, 1926.

211,129. SMOKING AND CHEWING TOBACCO. STANLEY JAGGERS, doing business as Stanley Jaggers & Co., Hodgenville, Ky.
Filed May 19, 1925. Serial No. 214,550. PUBLISHED JANUARY 19, 1926.

211,130. PROPORTIONING PLANTS FOR CONCRETE AGGREGATES. BLAW-KNOX COMPANY, Blawnox, Pa.
Filed May 23, 1925. Serial No. 214,776. PUBLISHED JANUARY 12, 1926.

211,131. SHOCK ABSORBERS AND VENTILATORS FOR AUTOMOBILES. KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind.
Filed May 25, 1925. Serial No. 214,873. PUBLISHED AUGUST 11, 1925.

211,132. WATCHES AND WATCHCASES. JOSEPH FAHYS & CO., New York, N. Y.
Filed May 27, 1925. Serial No. 214,953. PUBLISHED SEPTEMBER 8, 1925.

211,133. TABLES, CHAIRS, AND CABINETS FOR HOUSEHOLD AND/OR OFFICE USE. A. WERTHEIM, INC., New York, N. Y.
Filed June 16, 1925. Serial No. 215,886. PUBLISHED JANUARY 12, 1926.

211,134. CERTAIN NAMED FOODS. THE STAPLES GROCERY COMPANY, INC., Richmond, Va.
Filed July 17, 1925. Serial No. 217,533. PUBLISHED JANUARY 12, 1926.

211,135. OLIVE OIL AND TOMATO PASTE. JOSEPH ANTOGNOLI, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,495. PUBLISHED JANUARY 12, 1926.

211,136. PEANUT BUTTER. COMMERCIAL CREAMERY COMPANY, Spokane, Wash.
Filed October 13, 1925. Serial No. 221,660. PUBLISHED JANUARY 12, 1926.

211,137. PISTON PINS. AMERICAN GEAR COMPANY, Jackson, Mich.
Filed October 17, 1925. Serial No. 221,867. PUBLISHED JANUARY 12, 1926.

211,138. MEN'S WORK SHIRTS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 26, 1924. Serial No. 201,886. PUBLISHED JANUARY 12, 1926.

211,139. LUNCH BOXES, VACUUM BOTTLES, VACUUM-BOTTLE CASES, VACUUM CARAFES, VACUUM FOOD JARS, VACUUM JUGS, VACUUM VESSELS FOR CONTAINING CRACKED ICE, ETC. MANNING BOWMAN & CO., Meriden, Conn.
Filed December 3, 1924. Serial No. 206,179. PUBLISHED JANUARY 19, 1926.

211,140. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS USED IN PREPARATION OF THE SAME. CHARLES F. WAGNER, doing business as Piccadilly Fizz Corp., Los Angeles, Calif.
Filed January 5, 1925. Serial No. 207,698. PUBLISHED MARCH 10, 1925.

211,141. TOOLS, AND MORE PARTICULARLY ICE PICKS, AND ICE SHAVERS. THE WM. SCHOLLHORN CO., New Haven, Conn.
Filed September 28, 1925. Serial No. 220,880. PUBLISHED JANUARY 12, 1926.

211,142. GINGER ALE, SARSAPARILLA, ROOT BEER, AND GRAPE JUICE. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed September 26, 1925. Serial No. 220,830. PUBLISHED JANUARY 26, 1926.

211,143. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS AND SIRUPS FOR MAKING THE SAME. CHARLES F. WAGNER, doing business as Piccadilly Fizz Co., Los Angeles, Calif.
Filed March 25, 1925. Serial No. 211,639. PUBLISHED JUNE 9, 1925.

211,144. PLASTIC COMPOUND FOR COATING BRICK TILES, FIREPLACES, AND MANTELS. P. REUTER-LORENZEN, Detroit, Mich.
Filed April 3, 1925. Serial No. 212,149. PUBLISHED OCTOBER 20, 1925.

211,145. HEAT-INSULATING CONTAINERS OR RECEPTACLES FORMED OF PAPER, CELLULAR BOARD, AND OTHER FIBROUS MATERIAL. JOHN E. O'BRIEN, doing business as Therinopak Company, Brooklyn, N. Y.
Filed April 6, 1925. Serial No. 212,287. PUBLISHED JUNE 16, 1925.

211,146. INFANT'S AND CHILDREN'S WEAR AND ACCESSORIES—NAMELY, COATS, BATHROBES, BUNTINGS, SKIRTS, SHAWLS, DRESSES, KIMONOS, SACKS, SILK ROBES FOR PERSONAL WEAR, SLIPS, JACKETS, FABRIC SHOES, DRESS SHIRTS, HATS FOR CHILDREN, CAPS FOR CHILDREN, AND CAPES. GREENBERG & BERSON, New York, N. Y.
Filed April 23, 1925. Serial No. 213,173. PUBLISHED SEPTEMBER 29, 1925.

211,147. CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE. BAKELITE CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,584. PUBLISHED DECEMBER 15, 1925.

211,148. CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE. BAKELITE CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,585. PUBLISHED DECEMBER 15, 1925.

211,149. DOLLS. E. I. HORSMAN CO. INC., New York, N. Y.
Filed November 27, 1925. Serial No. 223,918. PUBLISHED JANUARY 26, 1926.

211,150. PORK-RIND SPINNERS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed November 28, 1925. Serial No. 223,958. PUBLISHED JANUARY 26, 1926.

211,151. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed November 30, 1925. Serial No. 223,990. PUBLISHED JANUARY 26, 1926.

211,152. WASHING MACHINES FOR LAUNDRY PURPOSES. THE BOSS WASHING MACHINE COMPANY, Norwood, Ohio.
Filed July 5, 1924. Serial No. 199,604. PUBLISHED NOVEMBER 3, 1925.

211,153. LUMBER AND MILLWORK. J. V. GREEVER LUMBER CO., Oklahoma City, Okla.
Filed February 14, 1925. Serial No. 209,573. PUBLISHED NOVEMBER 24, 1925.

211,154. WEEKLY BULLETIN. COOK COUNTY REAL ESTATE BOARD, Chicago, Ill.
Filed March 16, 1925. Serial No. 211,081. PUBLISHED DECEMBER 22, 1925.

211,155. NONALCOHOLIC, MALTLESS BEVERAGES AND SIRUPS THEREFOR. H. FOX & CO., Brooklyn, N. Y.
Filed November 18, 1925. Serial No. 223,470. PUBLISHED JANUARY 26, 1926.

211,156. ABDOMINAL BELTS. THE LITTLE CORPORAL CO., Chicago, Ill.
Filed November 16, 1925. Serial No. 223,394. PUBLISHED JANUARY 5, 1926.

211,157. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUPS FOR MAKING THE SAME. JACKSON BREWING COMPANY, New Orleans, La.
Filed November 16, 1925. Serial No. 223,387. PUBLISHED JANUARY 26, 1926.

211,158. COD-LIVER OIL AND EMULSIONS THEREOF. TAILBY-NASON CO., Boston, Mass.
Filed November 12, 1925. Serial No. 223,203. PUBLISHED DECEMBER 29, 1925.

211,159. GINGER ALE AND NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. HERBERT R. LAND, doing business as Crystal Water Co., Los Angeles, Calif.
Filed November 12, 1925. Serial No. 223,176. PUBLISHED JANUARY 26, 1926.

211,160. PREPARED TABLE MUSTARD. FLETCHER-WILSON COFFEE CO., Nashville, Tenn., and Atlanta, Ga.
Filed November 5, 1925. Serial No. 222,835. PUBLISHED JANUARY 12, 1926.

211,161. MALT SIRUP FOR FOOD PURPOSES. NATHAN WASSERSTROM, doing business as N. Wasserstrom & Sons, Columbus, Ohio.
Filed November 3, 1925. Serial No. 222,769. PUBLISHED JANUARY 12, 1926.

211,162. SWEET-PEPPER RELISH. TERESA O. MICHAEL, doing business as Imogene's Food Products Comp'y, Canton, Ohio.
Filed November 2, 1925. Serial No. 222,695. PUBLISHED JANUARY 12, 1926.

211,163. GLACÉ FRUIT, FANCY GRAPEFRUIT PEEL, PINEAPPLE CORES, AND CHERRY PIECES. LEGHORN PRESERVING CO., INC., Brooklyn, N. Y.
Filed November 2, 1925. Serial No. 222,684. PUBLISHED JANUARY 5, 1926.

211,164. FOOD PRODUCT CONSISTING OF RICE, HOG JOWL, AND FLAVORING MATTER. EUGENIA T. DUKE, doing business as Duke Products Co., Greenville, S. C.
Filed October 31, 1925. Serial No. 222,601. PUBLISHED JANUARY 12, 1926.

211,165. FLUID-PRESSURE MACHINES AND TOOLS, PARTICULARLY FLUID-PRESSURE PERCUSSIVE TOOLS, INCLUDING PNEUMATIC HAMMERS, PNEUMATIC STONE TOOLS, PNEUMATIC HAMMER DRILLS, ROCK DRILLS, AND PARTS THEREOF. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed October 22, 1925. Serial No. 222,108. PUBLISHED JANUARY 12, 1926.

211,166. TOY VEHICLES. CLAUDE HIGGINS, Delavan, Wis.
Filed October 17, 1925. Serial No. 221,898. PUBLISHED JANUARY 19, 1926.

211,167. DRESSING FOR EXTERNAL USE FOR AFFECTIONS OF THE SKIN, ABSCESSES, VARICOSE VEINS, RHEUMATISM, NEURALGIA, GOUT, CONTUSIONS, AND IN ALL CASES WHERE AN EMOLLIENT ANTISEPTIC EXTERNAL DRESSING IS REQUIRED. MADAME PAUL SABATIER, Paris, France.
Filed November 21, 1925. Serial No. 223,662. PUBLISHED JANUARY 12, 1926.

211,168. WART REMEDY. A. G. MUMM & CO., Buffalo, N. Y.
Filed November 19, 1925. Serial No. 223,535. PUBLISHED JANUARY 12, 1926.

211,169. LAXATIVE TONIC. JOHN H. LEE, Rosedale Station, Kansas City, Kans.
Filed November 19, 1925. Serial No. 223,529. PUBLISHED JANUARY 12, 1926.

211,170. PNEUMATIC TIRES AND INNER TUBES AND OUTER CASINGS THEREOF COMPOSED PRINCIPALLY OF RUBBER. ALBERT GOLDSTEIN, doing business as The Credit Tire Co., Oakland, Calif.
Filed November 19, 1925. Serial No. 223,510. PUBLISHED JANUARY 12, 1926.

211,171. PNEUMATIC TIRES AND INNER TUBES AND OUTER CASINGS THEREOF COMPOSED PRINCIPALLY OF RUBBER. ALBERT GOLDSTEIN, doing business as The Credit Tire Co., Oakland, Calif.
Filed November 19, 1925. Serial No. 223,509. PUBLISHED JANUARY 12, 1926.

211,172. TRANSPARENT ADHESIVE—VIZ, TRANSPARENT LIQUID CEMENT. PHILIPP J. BREIVOGEL, New York, N. Y.
Filed November 18, 1925. Serial No. 223,459. PUBLISHED JANUARY 26, 1926.

211,173. MACHINERY PACKING COMPOSED OF LAYERS OF COPPER AND ASBESTOS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed November 13, 1925. Serial No. 223,264. PUBLISHED JANUARY 19, 1926.

211,174. METAL CASTINGS MADE OF AN IRON MIXTURE OR ALLOY. PACIFIC FOUNDRY COMPANY, San Francisco, Calif.
Filed December 7, 1925. Serial No. 224,347. PUBLISHED JANUARY 26, 1926.

211,175. REFRIGERATORS. LOUISVILLE REFRIGERATOR CORPORATION, Louisville, Ky.
Filed December 1, 1925. Serial No. 224,144. PUBLISHED JANUARY 26, 1926.

211,176. SURGICAL DRESSINGS. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed December 2, 1925. Serial No. 224,096. PUBLISHED JANUARY 26, 1926.

211,177. PREPARATIONS FOR A PROPHYLACTIC TREATMENT FOR THE PREVENTION OF VENEREAL DISEASES. EDWARD J. MOORE SONS, INC., doing business as Rockland Pharmacal Co., Long Island City, N. Y.
Filed November 25, 1925. Serial No. 223,858. PUBLISHED JANUARY 12, 1926.

211,178. MEDICINE AND LINIMENT FOR THE TREATMENT OF COUGHS, COLDS, RHEUMATISM, SCIATICA, PLEURISY, BACKACHE, CHEST PAINS, NEURALGIA, SORE THROAT, STIFF JOINTS, SPRAINS, LAME BACK, AND BRUISES. LOUIS J. URBANSKI, doing business as Saturn Mfg. Co., Buffalo, N. Y.
Filed November 24, 1925. Serial No. 223,827. PUBLISHED JANUARY 12, 1926.

211,179. WORM EXPELLER FOR DOGS. GEORGE G. ANDERSON, New York, N. Y.
Filed November 24, 1925. Serial No. 223,759. PUBLISHED JANUARY 12, 1926.

211,180. DYSPEPSIA TABLETS. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed November 23, 1925. Serial No. 223,738. PUBLISHED JANUARY 12, 1926.

211,181. SHAMPOO. A. M. ALEXANDER, doing business as La Prene, Chicago, Ill.
Filed November 12, 1925. Serial No. 223,157. PUBLISHED JANUARY 5, 1926.

211,182. DEODORIZING AND HEALING TALCUM POWDER. HAROLD E. KELLY, Portland, Oreg.
Filed November 10, 1925. Serial No. 223,095. PUBLISHED JANUARY 12, 1926.

211,183. PETROLEUM JELLY AND PREPARATIONS THEREOF. CHESEBROUGH MANUFACTURING CO. (CONSOLIDATED), New York, N. Y.
Filed November 10, 1925. Serial No. 223,081. PUBLISHED JANUARY 12, 1926.

211,184. [WITHDRAWN.]

211,185. WOMEN'S KNITTED AND TEXTILE UNDERWEAR, BRASSIÈRES, AND COMBINATION BRASSIÈRE AND CORSET, BRASSIÈRE AND GIRDLE. WEINGARTEN BROS., New York, N. Y.
Filed November 3, 1925. Serial No. 222,770. PUBLISHED JANUARY 5, 1926.

211,186. STEEL PIPE AND PIPE COUPLINGS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 29, 1925. Serial No. 222,536. PUBLISHED JANUARY 12, 1926.

211,187. STEEL PIPE. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 29, 1925. Serial No. 222,534. PUBLISHED JANUARY 12, 1926.

211,188. FERTILIZER. NITRATE AGENCIES COMPANY, New York, N. Y.
Filed October 28, 1925. Serial No. 222,476. PUBLISHED JANUARY 5, 1926.

211,189. MEDICINAL PREPARATIONS. NATIONAL REMEDY COMPANY, INC., New York, N. Y.
Filed October 28, 1925. Serial No. 222,475. PUBLISHED JANUARY 5, 1926.

211,190. MEDICINE FOR MALARIA. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 27, 1925. Serial No. 222,419. PUBLISHED JANUARY 5, 1926.

211,191. CHEMICAL COMPOSITION FOR OBLITERATING CHARACTERS IN PAPER STENCILS. RAPID ADDRESSING MACHINE COMPANY, New York, N. Y.
Filed October 27, 1925. Serial No. 222,406. PUBLISHED JANUARY 12, 1926.

211,192. COSMETICS—NAMELY, FACE CREAMS, MASSAGE CREAMS, AND HAIR POMADES, FACE POWDER, ROUGE, AND TALCUM POWDER. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed October 26, 1925. Serial No. 222,328. PUBLISHED JANUARY 5, 1926.

211,193. PERFUMERY. BONWIT TELLER & CO., New York, N. Y.
Filed October 24, 1925. Serial No. 222,215. PUBLISHED JANUARY 12, 1926.

211,194. MEDICINE FOR USE IN TREATING AFFECTIONS OF THE THROAT AND CHEST. THE ST. JACOBS OIL COMPANY, Wilmington, Del.
Filed October 23, 1925. Serial No. 222,201. PUBLISHED JANUARY 12, 1926.

211,195. MEDICINE FOR USE IN TREATING AFFECTIONS OF THE THROAT AND CHEST. THE ST. JACOBS OIL COMPANY, Wilmington, Del.
Filed October 23, 1925. Serial No. 222,200. PUBLISHED JANUARY 12, 1926.

211,196. LEATHER DYE. ISIDOR SHERMAN, doing business as A. K. Manufacturing Co., New York, N. Y.
Filed October 23, 1925. Serial No. 222,195. PUBLISHED JANUARY 5, 1926.

211,197. TRANSMISSIONS FOR AUTOMOBILES AND OTHER MOTOR VEHICLES. TIGER TRANSMISSION COMPANY, Seattle, Wash.
Filed October 29, 1925. Serial No. 222,529. PUBLISHED JANUARY 12, 1926.

211,198. CLOTHES BRUSH, HAIRBRUSH, NAILBRUSH, HAND BRUSH, AND TOOTHBRUSH BACKS AND HANDLES AND SHAVING BRUSH AND PAINTBRUSH HANDLES. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,433. PUBLISHED JANUARY 26, 1926.

211,199. ADDRESSING MACHINES. RAPID ADDRESSING MACHINE COMPANY, New York, N. Y.
Filed October 27, 1925. Serial No. 222,400. PUBLISHED JANUARY 12, 1926.

211,200. MOLDING COMPOSITIONS. BAKELITE CORPORATION, New York, N. Y.
Filed October 23, 1925. Serial No. 222,152. PUBLISHED JANUARY 12, 1926.

211,201. BEADS EXCEPT OF PRECIOUS METAL, BEADED BAGS UNMOUNTED, DRESS TRIMMINGS, SEQUIN TRIMMINGS, IMITATION PEARLS, RHINESTONES, SEQUINS, AND SPANGLES FOR TRIMMING WEARING APPAREL. ELLIOT, GREENE & CO. INC., New York, N. Y.
Filed October 19, 1925. Serial No. 221,954. PUBLISHED JANUARY 12, 1926.

211,202. MEDICINE FOR THE RELIEF OF DYSPEPSIA, STOMACH TROUBLE, AFFECTION OF THE LIVER, AND MENSTRUATION. ENEGLOTARIA MEDICINE CO., INC., New York, N. Y.
Filed October 17, 1925. Serial No. 221,888. PUBLISHED JANUARY 12, 1926.

211,203. FACE POWDERS, FACE CREAMS, FACE PACKS, SKIN LOTIONS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, SACHETS, AND TALCUM POWDERS. HAROLD D. SAUREB, doing business as Maydale Company, Normal, Ill.
Filed October 15, 1925. Serial No. 221,776. PUBLISHED JANUARY 5, 1926.

211,204. METATARSAL PADS AND ANKLE SUPPORTS. SCHOLL MANUFACTURING COMPANY, INC., now by change of name The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed November 19, 1925. Serial No. 223,552. PUBLISHED JANUARY 5, 1926.

211,205. ARCH SUPPORTS. SCHOLL MANUFACTURING COMPANY, INC., now by change of name The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed November 19, 1925. Serial No. 223,551. PUBLISHED JANUARY 5, 1926.

211,206. CERTAIN DRAWING INSTRUMENTS. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed November 19, 1925. Serial No. 223,523. PUBLISHED JANUARY 5, 1926.

211,207. MATTRESSES. JORDAN MARSH COMPANY, Boston, Mass.
Filed November 19, 1925. Serial No. 223,514. PUBLISHED JANUARY 12, 1926.

211,208. LIGHT-SENSITIVE PHOTOGRAPHIC PAPER. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed November 19, 1925. Serial No. 223,507. PUBLISHED JANUARY 5, 1926.

211,209. NONALCOHOLIC, MALTLESS BEVERAGES, AND SIRUPS THEREFOR. H. FOX & CO., Brooklyn, N. Y.
Filed November 18, 1925. Serial No. 223,471. PUBLISHED JANUARY 26, 1926.

211,210. COMBINATION CAMERA AND FILM KITS. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y.
Filed December 17, 1925. Serial No. 224,795. PUBLISHED JANUARY 26, 1926.

211,211. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed December 8, 1925. Serial No. 224,373. PUBLISHED JANUARY 26, 1926.

211,212. TOILET PREPARATIONS. CHICAGO HAIRDRESSING ACADEMY, INC., Chicago, Ill.
Filed March 9, 1925. Serial No. 210,712. PUBLISHED JUNE 16, 1925.

211,213. CANNED SOUP. L. E. DECKARD, doing business as L. E. Deckard Co., Covington, Ky.
Filed February 27, 1925. Serial No. 210,226. PUBLISHED JANUARY 5, 1926.

211,214. PHARMACEUTICAL AND TOILET PREPARATIONS. AKTIEBOLAGET YVYFABRIKEN, Ystad, Sweden.
Filed January 22, 1924. Serial No. 191,113. PUBLISHED SEPTEMBER 15, 1925.

211,215. REMEDY FOR CORNS, CALLI, AND BUNIONS. "CORN-OFF" CO., Los Angeles, Calif.
Filed July 14, 1923. Serial No. 183,197. PUBLISHED AUGUST 19, 1924.

211,216. CERTAIN BATH-ROOM ACCESSORIES. CHINATYLE CORP., New York, N. Y.
Filed June 27, 1925. Serial No. 216,505. PUBLISHED JANUARY 5, 1926.

211,217. CHICK MEAL. B-K FEED MILLS, Topeka, Kans.
Filed July 2, 1925. Serial No. 216,770. PUBLISHED JANUARY 19, 1926.

211,218. NARROW ELASTIC AND RIBBON IN SHORT LENGTHS AND MADE UP INTO BOWS. THE ISBELL-KENT-OAKES DRY GOODS COMPANY, Denver, Colo.
Filed June 19, 1925. Serial No. 216,046. PUBLISHED JANUARY 5, 1926.

211,219. COTTON DRIERS FOR PAPER MAKERS, NOT IN THE PIECE. JOSEPH PORRITT & SONS LIMITED, Manchester and Helmshore, near Manchester, England.
Filed June 24, 1925. Serial No. 216,358. PUBLISHED DECEMBER 15, 1925.

211,220. HAIR GROWER, FACIAL CREAM, AND FACE POWDER. O. DOROTHY R. JOHNSON, Cleveland, Ohio.
Filed June 18, 1925. Serial No. 215,983. PUBLISHED AUGUST 1, 1925.

211,221. REED AND RATTAN FURNITURE, COMPRISING CHAIRS, SETTEES, TABLES, JARDINIÈRES; BASES, STANDARDS, AND PEDESTALS FOR LAMPS; SHADES FOR LAMPS; COUCHES, STANDS, SMOKING SETS, SHOE STANDS, HAT-RACKS, FERN BOXES, AND STOOLS. SAN FRANCISCO ASSOCIATION FOR THE BLIND, San Francisco, Calif.
Filed June 3, 1925. Serial No. 215,272. PUBLISHED JANUARY 12, 1926.

211,222. CHAINS. LINK-BELT COMPANY, Chicago, Ill.
Filed May 4, 1925. Serial No. 213,792. PUBLISHED JANUARY 5, 1926.

211,223. BREAD, DOUGHNUTS, AND TOAST. PURITY BAKERIES CORPORATION, New York, N. Y.; Minneapolis, St. Paul, and Duluth, Minn.; Detroit, Jackson, Flint, and Battle Creek, Mich.; St. Louis, Kansas City, Springfield, and Sedalia, Mo.; Indianapolis, Ind.; Cincinnati, Columbus, Hamilton, Toledo, and Akron, Ohio; Newark, N. J.; Decatur, Ill.; Burlington, Iowa; Muskogee, Okla.; and Wichita Falls, Tex.
Filed May 14, 1925. Serial No. 214,338. PUBLISHED JANUARY 12, 1926.

211,224. DOG, CAT, AND FOX BISCUITS. HEGER PRODUCTS COMPANY, St. Paul, Minn.
Filed May 16, 1925. Serial No. 214,415. PUBLISHED JANUARY 12, 1926.

211,225. MEN'S READY-MADE SUITS. GOTTFRIED-WEISS, doing business as Best-Of-All Co., Philadelphia, Pa.
Filed January 10, 1925. Serial No. 207,931. PUBLISHED MARCH 17, 1925.

211,226. BEDDING—NAMELY, MATTRESSES, PILLOWS, AND BEDSPRINGS. PROGRESS BEDDING CO., Detroit, Mich.
Filed December 13, 1924. Serial No. 206,688. PUBLISHED DECEMBER 22, 1925.

211,227. DENTIFRICES. THE MORNANITE LABORATORIES, Brooklyn, N. Y.
Filed December 20, 1924. Serial No. 207,025. PUBLISHED NOVEMBER 10, 1925.

211,228. SOLES FOR SHOES. THE REGAL RUBBER COMPANY, now by change of name The Serton Rubber Company, Dayton, Ohio.
Filed March 16, 1925. Serial No. 211,124. PUBLISHED MAY 19, 1925.

211,229. PUMPS AND PUMP PARTS. LUITWIELER PUMPING ENGINE CO., Rochester, N. Y.
Filed November 14, 1924. Serial No. 205,277. PUBLISHED MARCH 31, 1925.

211,230. CERTAIN COOKING UTENSILS AND ARTICLES OF BASE METAL. MANNING, BOWMAN & CO., Meriden, Conn.
Filed December 3, 1924. Serial No. 206,181. PUBLISHED JANUARY 12, 1926.

211,231. FRESH FRUITS—NAMELY, APPLES. PESHASTIN FRUIT GROWERS ASSOCIATION, Peshastin, Wash.
Filed October 6, 1924. Serial No. 203,486. PUBLISHED FEBRUARY 17, 1925.

211,232. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed October 18, 1924. Serial No. 204,123. PUBLISHED FEBRUARY 10, 1925.

211,233. INSECTICIDES. ANDREW WILSON, INCORPORATED, Springfield, N. J.
Filed December 26, 1924. Serial No. 207,279. PUBLISHED JANUARY 5, 1926.

211,234. BRONCHIAL PASTILS. HANCE BROTHERS & WHITE, INC., Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,807. PUBLISHED JANUARY 5, 1926.

211,235. COOKING UTENSILS. SUPER MAID COOKWARE CORPORATION, Chicago, Ill.
Filed April 27, 1925. Serial No. 213,416. PUBLISHED JANUARY 5, 1926.

211,236. SALVE FOR THE TREATMENT OF CUTS, BRUISES, BURNS, BLISTERS, SORE THROATS, FROSTBITE, BOILS, SORES OF ALL KINDS, AND FISTULA CURE. MENO CHRISTNER, Iowa Falls, Iowa.
Filed May 4, 1925. Serial No. 213,770. PUBLISHED JANUARY 5, 1926.

211,237. HAIR-TREATING PREPARATION. ANTONIO NIGRI, West Hoboken, N. J.
Filed March 25, 1925. Serial No. 211,606. PUBLISHED JANUARY 12, 1926.

211,238. ANTISEPTIC SOLUTION FOR THE TREATMENT OF AFFECTIONS OF THE NOSE AND THROAT AND FOR DEFECTIVE HEARING. HANCE BROTHERS & WHITE, INC., Philadelphia, Pa.
Filed April 16, 1925. Serial No. 212,806. PUBLISHED JANUARY 5, 1926.

211,239. FRIED-CAKE FLOUR. THE WINCHELL FLOUR COMPANY, Saginaw, Mich.
Filed November 7, 1924. Serial No. 204,988. PUBLISHED JANUARY 12, 1926.

211,240. HAIR CURLERS. KATHERINE MCCLAIRE, doing business as Ideal Curler Co., not Inc., Chicago, Ill.
Filed October 6, 1924. Serial No. 203,478. PUBLISHED JANUARY 5, 1926.

211,241. COMBS AND BRUSH CLEANERS MADE FROM CELLULOID AND USED FOR CLEANING HAIRBRUSHES AND SIMILAR ARTICLES. THE FULLER BRUSH COMPANY, Hartford, Conn.
Filed October 2, 1924. Serial No. 203,308. PUBLISHED DECEMBER 15, 1925.

211,242. LIQUID TONIC IN THE TREATMENT OF DISEASES FROM MALARIA; NASAL SPRAYING SOLUTION FOR THE TREATMENT OF COLDS, COUGHS, CROUP, CATARRH, BRONCHITIS, TONSILITIS, THROAT, LUNG TROUBLE, EARACHE, AND HEADACHE; AND LIQUID POULTRY REMEDY FOR THE EXTERMINATION OF POULTRY VERMIN. JOSEPHINE A. WOOD, Los Angeles, Calif.
Filed August 11, 1924. Serial No. 201,273. PUBLISHED JANUARY 5, 1926.

211,243. CERTAIN WIRE CLOTH, WIRE GUARDS, AND WIRE SCREENS. AUDUBON WIRE CLOTH COMPANY, Audubon, N. J.
Filed July 28, 1924. Serial No. 200,602. PUBLISHED JANUARY 5, 1926.

211,244. MEN'S, WOMEN'S, AND CHILDREN'S SUITS, DRESSES, COATS, AND GLOVES. THE UNIQUE CLEANERS AND DYERS, Chicago, Ill.
Filed June 25, 1924. Serial No. 199,136. PUBLISHED DECEMBER 30, 1924.

211,245. EVAPORATED MILK. THE UNITED DAIRY COMPANY INC., Barnesville, Ohio.
Filed February 11, 1924. Serial No. 192,164. PUBLISHED JULY 21, 1925.

211,246. MEDICINE TO BE USED IN DERMATOLOGY, VENEROLOGY, GYNECOLOGY, AND IN THE TREATMENT OF CANCER. HANS TRUTTWIN, doing business as Dr. Ing. Hans Truttwin, Vienna, Austria.
Filed April 11, 1923. Serial No. 179,016. PUBLISHED DECEMBER 22, 1925.

211,247. CERTAIN GLOVES AND PADS. SORBO RUBBER-SPONGE PRODUCTS LTD., Woking, England.
Filed September 23, 1920. Serial No. 137,552. PUBLISHED JANUARY 5, 1926.

211,248. PIPES, CIGAR AND CIGARETTE HOLDERS, POUCH TOBACCO BAGS, HUMIDORS, AND CIGAR AND CIGARETTE CASES. SAMUEL GORDON, New York, N. Y.
Filed March 22, 1921. Serial No. 145,062. PUBLISHED NOVEMBER 15, 1921.

211,249. PISTON RINGS. THE SOLENBERGER PISTON RING COMPANY, now by change of name The Simplex Piston Ring Company, Cleveland, Ohio.
Filed May 12, 1924. Serial No. 196,936. PUBLISHED JULY 29, 1924.

211,250. CORN PADS, RUBBER HEEL LINERS, AND RUBBER BUNION SHIELDS. WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo.
Filed July 9, 1925. Serial No. 217,124. PUBLISHED JANUARY 5, 1926.

211,251. HAND SEWING NEEDLES. JAMES SMITH AND SON (REDDITCH), LIMITED, Redditch, England.
Filed July 10, 1925. Serial No. 217,186. PUBLISHED JANUARY 12, 1926.

211,252. FRESH PEACHES, FRESH PLUMS, FRESH NECTARINES, AND FRESH GRAPES. THOMAS & HORN, Fresno, Calif.
Filed September 10, 1925. Serial No. 220,096. PUBLISHED JANUARY 19, 1926.

211,253. LADIES' DRESSES, COATS, AND ENSEMBLE SUITS. LANVETTE FASHIONS INC., New York, N. Y.
Filed August 22, 1925. Serial No. 219,249. PUBLISHED NOVEMBER 24, 1925.

211,254. METAL PLATES FOR SUPPORTING THE HEELS OF FOOTWEAR. CHARLES WESTMORE ELLIS, Haberfield, Sydney, New South Wales, Australia.
Filed August 11, 1925. Serial No. 218,691. PUBLISHED JANUARY 5, 1926.

211,255. MEN'S AND WOMEN'S SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND RAFFIA AND COMBINATIONS THEREOF. MARY E. BENDELARI, New York, N. Y.
Filed August 10, 1925. Serial No. 218,592. PUBLISHED JANUARY 5, 1926.

211,256. PREPARATION FOR THE TREATMENT OF PILES. DR. KADE'S MEDIZINISCH-PHARMAZEUTISCHES FABRIKATIONS- & EXPORTGESCHÄFT DR. FRANZ LUTZE, Berlin, Germany.
Filed August 8, 1925. Serial No. 218,560. PUBLISHED JANUARY 5, 1926.

211,257. MEDICINE IN THE FORM OF AMPULS USED IN THE TREATMENT OF THE HEART AND INTERNAL ORGANS. ALBERT BOEHRINGER, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed August 8, 1925. Serial No. 218,550. PUBLISHED JANUARY 12, 1926.

211,258. INFANTS' NURSING NIPPLES AND PACIFIERS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed August 6, 1925. Serial No. 218,498. PUBLISHED SEPTEMBER 15, 1925.

211,259. HOSIERY. VERTEX HOSIERY MILLS, INC., Weissport, Pa.
Filed August 4, 1925. Serial No. 218,380. PUBLISHED OCTOBER 20, 1925.

211,260. CORN MEAL. WM. POLLOCK MILLING & ELEVATOR CO., Mexico, Mo.
Filed July 25, 1925. Serial No. 217,897. PUBLISHED JANUARY 12, 1926.

211,261. SOLE LEATHER. WALKER LIMITED, Litherland, Liverpool, England.
Filed July 24, 1925. Serial No. 217,841. PUBLISHED DECEMBER 29, 1925.

211,262. FACE POWDERS, FACE CREAMS, FACE PACKS, PERFUMES, TOILET WATERS, ROUGES, LIP STICKS, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDER, NAIL POLISHES, DEODORIZING PREPARATIONS, TALCUM POWDERS, AND SACHETS. THE LA VALLIERE CO., New Orleans, La.
Filed July 16, 1925. Serial No. 217,469. PUBLISHED JANUARY 5, 1926.

211,263. CORN MEAL, CORN AND OATS FEED, POULTRY-LAYING MASH, SELF-RISING PANCAKE FLOUR, AND SELF-RISING BISCUIT AND CAKE FLOUR. WHITE & SONS, Galeton, Pa.
Filed March 19, 1925. Serial No. 211,314. PUBLISHED JANUARY 19, 1926.

211,264. MACHINERY FOR PURIFYING AND SOFTENING WATER. WM. B. SCAIFE & SONS COMPANY, Pittsburgh, Pa.
Filed October 7, 1925. Serial No. 221,384. PUBLISHED JANUARY 26, 1926.

211,265. COMBS MADE OF MATERIAL OTHER THAN PRECIOUS METAL. H. CHARLES LAUFE, doing business as Stay-Tight Co., New York, N. Y.
Filed September 16, 1925. Serial No. 220,308. PUBLISHED JANUARY 12, 1926.

211,266. WHEAT FLOUR. SAXONY MILLS, St. Louis, Mo.
Filed September 28, 1925. Serial No. 220,922. PUBLISHED JANUARY 19, 1926.

211,267. MEN'S SOFT HATS, STIFF FELT HATS, AND VELOUR HATS. MURPHY-GORMAN COMPANY, Danbury, Conn.
Filed September 23, 1925. Serial No. 220,667. PUBLISHED JANUARY 19, 1926.

211,268. VISES AND WOOD AND METAL WORKERS' CLAMPS. THE COLUMBIA HARDWARE COMPANY, Cleveland, Ohio.
Filed September 23, 1925. Serial No. 220,639. PUBLISHED DECEMBER 1, 1925.

211,269. COOKING TONGS. JOSEPHINE POMEROY HERRICK, Cleveland, Ohio.
Filed August 28, 1925. Serial No. 219,483. PUBLISHED JANUARY 26, 1926.

211,270. SHOES OF LEATHER OR A COMBINATION OF LEATHER AND FABRIC. PLANT BROS. & CO., Portland, Me.
Filed August 15, 1925. Serial No. 218,930. PUBLISHED JANUARY 19, 1926.

211,271. TOILET PREPARATIONS—NAMELY, PERFUMES. B. ALTMAN & CO., New York, N. Y.
Filed July 15, 1925. Serial No. 217,383. PUBLISHED JANUARY 12, 1926.

211,272. SOLDER. CHICAGO SOLDER COMPANY, Chicago, Ill.
Filed July 2, 1925. Serial No. 216,772. PUBLISHED JANUARY 12, 1926.

211,273. BELTS FOR PERSONAL WEAR. A. STEIN & COMPANY, Chicago, Ill.
Filed May 18, 1925. Serial No. 214,514. PUBLISHED JANUARY 19, 1926.

211,274. ADHESIVE GLUE AND CEMENT. SUPERIOR GLUE CO., Chicago, Ill.
Filed May 11, 1925. Serial No. 214,188. PUBLISHED JANUARY 12, 1926.

211,275. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. SCHOLL MANUFACTURING COMPANY, INC., now by change of name The Scholl Mfg. Co., Inc., Chicago, Ill.
Filed December 1, 1924. Serial No. 206,087. PUBLISHED JANUARY 19, 1926.

211,276. BREAD AND WHEAT GERM FLOUR AND MIXED FLOUR CONTAINING WHEAT GERMS. KEYES DAREN MILLS LIMITED, Dartford, England.
Filed October 16, 1924. Serial No. 203,957. PUBLISHED JANUARY 19, 1926.

211,277. EYE LOTION AND SALVE. ALEX SAVAS, Milwaukee, Wis.
Filed October 3, 1925. Serial No. 221,207. PUBLISHED JANUARY 5, 1926.

211,278. JAVELLE WATER. FYON & FYON LIMITED, Montreal, Quebec, Canada.
Filed October 2, 1925. Serial No. 221,111. PUBLISHED JANUARY 12, 1926.

211,279. COMPOUND FOR THE TREATMENT OF DISEASES OF FEMALE ORGANS. HERRILINE ROSETTE MFG. CO., Marianna, Fla.
Filed October 1, 1925. Serial No. 221,063. PUBLISHED JANUARY 5, 1926.

211,280. WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER AND FABRICS. AULT-WILLIAMSON SHOE COMPANY, Auburn, Me.
Filed September 29, 1925. Serial No. 220,935. PUBLISHED JANUARY 5, 1926.

211,281. RUST-RESISTING ANTICORROSIVE METAL AND IRON AND STEEL BARS, SLABS, BILLETS, SHEETS, AND STRIPS. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio.
Filed September 19, 1925. Serial No. 220,484. PUBLISHED DECEMBER 15, 1925.

211,282. LINIMENT FOR HORSES. FRITZ KAMPFENKEL, Berlin, Germany.
Filed September 14, 1925. Serial No. 220,237. PUBLISHED JANUARY 5, 1926.

211,283. PATCHES FOR PNEUMATIC TIRES AND TUBES. ROBERT F. REEVE, Newark, N. J.
Filed September 11, 1925. Serial No. 220,140. PUBLISHED JANUARY 19, 1926.

211,284. MEDICINAL PREPARATION IN PILL AND CAPSULE FORM FOR THE TREATMENT OF DELAYED MENSTRUATION AND FOR THE TREATMENT AND RELIEF OF PAINFUL MENSES AND TO RELIEVE BURNING AND CHAFING. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa.
Filed September 11, 1925. Serial No. 220,118. PUBLISHED JANUARY 5, 1926.

211,285. LAWN MOWERS. VAN NETTE LAWN MOWER COMPANY, Tiffin, Ohio.
Filed November 2, 1925. Serial No. 222,719. PUBLISHED JANUARY 26, 1926.

211,286. SELF-RISING FLOUR. CLYDE L. SHIPMAN, Hughesville, Pa.
Filed October 31, 1925. Serial No. 222,641. PUBLISHED JANUARY 12, 1926.

211,287. LEATHER SHOES. THE H. W. MERRIAM SHOE COMPANY, Newton, N. J.
Filed October 28, 1925. Serial No. 222,472. PUBLISHED JANUARY 19, 1926.

211,288. BATTERY-TESTING DEVICES. FOREST ELECTRIC CO., INC., Newark, N. J.
Filed October 27, 1925. Serial No. 222,374. PUBLISHED JANUARY 12, 1926.

211,289. SHOES. THE HEROLD-BERTSCH SHOE COMPANY, Grand Rapids, Mich.
Filed October 19, 1925. Serial No. 221,962. PUBLISHED JANUARY 19, 1926.

211,290. WHEAT BREAKFAST FOOD. CREAM OF WHEAT COMPANY, Minneapolis, Minn.
Filed October 15, 1925. Serial No. 221,740. PUBLISHED JANUARY 12, 1926.

211,291. WHEAT BREAKFAST FOOD. CREAM OF WHEAT COMPANY, Minneapolis, Minn.
Filed October 15, 1925. Serial No. 221,739. PUBLISHED JANUARY 12, 1926.

211,292. NUT MARGARINE. ARMOUR AND COMPANY, Chicago, Ill.
Filed October 10, 1925. Serial No. 221,531. PUBLISHED JANUARY 12, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

211,293. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE TAYLOR CHAIR COMPANY, Bedford, Ohio. Filed Jan. 4, 1926. Serial No. 225,495.

Taylor's
LOCK-BUILT
CONSTRUCTION

Particular description of goods.—Office Chairs, Sofas, Settees, Davenports, and Couches.
Claims use since July 1, 1924

211,294. (CLASS 12. CONSTRUCTION MATERIALS.) SILICA BRICK & ENGINEERING COMPANY, Chicago, Ill. Filed Mar. 19, 1925. Serial No. 211,295.

SLAGBRIX

Particular description of goods.—Bricks.
Claims use since about Jan. 1, 1923.

211,295. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMALGAMATED SILK CORP., New York, N. Y. Filed Apr. 4, 1925. Serial No. 212,169.

MORESQUE PRINTS

Particular description of goods.—Silk, Rayon, Cotton, Wool, and Mixtures Thereof.
Claims use since Feb. 20, 1925.

211,296. (CLASS 2. RECEPTACLES.) CHICAGO BRIDGE & IRON WORKS, Chicago, Ill. Filed Apr. 9, 1925. Serial No. 212,422.

HORTON

Particular description of goods.—Steel Tanks for the Storage of Water, Oil, and the Like.
Claims use since Nov. 15, 1924.

211,297. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. H. BARTON & SON COMPANY, Philadelphia and Holmesburg, Pa. Filed May 25, 1925. Serial No. 214,840.

ADIRONDACK CRYSTAL GARNET

Particular description of goods.—Abrasive Cloth and Paper.
Claims use since about Jan. 1, 1886.

211,298. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. KIRSCH & CO., Brooklyn, N. Y. Filed May 28, 1925. Serial No. 215,011.

Kirsch's

Particular description of goods.—Nonalcoholic, Noncereal, Maltless, Beverages Sold as Soft Drinks and Sirups For Making the Same.
Claims use since Feb. 18, 1925.

211,299. (CLASS 37. PAPER AND STATIONERY.) BERKOWITZ ENVELOPE COMPANY, Kansas City, Mo. Filed July 20, 1925. Serial No. 217,601.

BANKERS FLAP
GLUE-LOCKED

Particular description of goods.—Mailing Envelopes.
Claims use since Feb. 1, 1925.

211,300. (CLASS 37. PAPER AND STATIONERY.) BERKOWITZ ENVELOPE COMPANY, Kansas City, Mo. Filed July 20, 1925. Serial No. 217,602.

Address Saver
AIRTITE

Particular description of goods.—Mailing Envelopes.
Claims use since Feb. 1, 1925.

211,301. (CLASS 12. CONSTRUCTION MATERIALS.) CADWALLADER-GIBSON LUMBER CO., Manila, Philippine Islands, and San Francisco, Calif. Filed Aug. 3, 1925. Serial No. 218,289.

BATAAN

Particular description of goods.—Hardwood and Soft-Wood Lumbers.
Claims use since May 1, 1913.

211,302. (CLASS 12. CONSTRUCTION MATERIALS.) CADWALLADER-GIBSON LUMBER CO., Manila, Philippine Islands, and San Francisco, Calif. Filed Aug. 3, 1925. Serial No. 218,290.

BAGAC

Particular description of goods.—Hardwood and Soft-Wood Lumbers.
Claims use since Apr. 1, 1921.

211,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEOBALD-BERGER CO., Los Angeles, Calif. Filed Aug. 22, 1925. Serial No. 219,261.

WHOLE FRUIT

Particular description of goods.—Canned Fruit.
Claims use since Feb. 18, 1925.

211,304. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KOOLFAST RADIATOR COMPANY, Toledo, Ohio. Filed Aug. 28, 1925. Serial No. 219,487.

KOOLFAST

Particular description of goods.—Automobile Radiators.
Claims use since 1921.

211,305. (CLASS 15. OILS AND GREASES.) SPEEDEX GASOLINE COMPANY OF WASHINGTON, Washington, D. C. Filed Jan. 16, 1926. Serial No. 226,027.

NOTANOC

Particular description of goods.—Gasoline.
Claims use since November, 1924.

211,306. (CLASS 15. OILS AND GREASES.) H. K. STAHL COMPANY, St. Paul, Minn. Filed Jan. 11, 1925. Serial No. 225,813.

TROPHY

Particular description of goods.—Petroleum Products—Namely, Gasoline, Kerosene, Fuel Oil, Petroleum Distillate, Lubricating Oils and Greases.
Claims use since Feb. 3, 1925.

211,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERRY'S HOME MADE POUND CAKE AND FRUIT CAKE COMPANY, Roanoke, Va. Filed Dec. 15, 1925. Serial No. 224,721.

PERRY'S

Particular description of goods.—Fruit Cake and Pound Cake.
Claims use since March, 1922.

211,308. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PARA RUBBER CO., Newark, N. J. Filed Nov. 4, 1925. Serial No. 222,790.

Para Curtain

Particular description of goods.—Rubberized Shower Curtain.
Claims use since February, 1925.

211,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LACTEIN CO., San Francisco, Calif. Filed July 23, 1925. Serial No. 217,789.

Lactein

Particular description of goods.—Poultry, Hog, and Cattle Food.
Claims use since July, 1918.

211,310. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SUPERIOR HARD RUBBER COMPANY, Butler, N. J. Filed Apr. 7, 1925. Serial No. 212,356.

SUPERIOR SAFETY POINT

Particular description of goods.—Urethral Syringes.
Claims use since on or about May 1, 1923.

211,311. (CLASS 39. CLOTHING.) CHAS. DOUGLIS MACK CO., INC., New York, N. Y. Filed Feb. 5, 1925. Serial No. 209,130.

SILVERCRAE

Particular description of goods.—Coats, Vests, Trousers, and Overcoats for Men and Young Men.
Claims use since Jan. 26, 1925.

211,312. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FRANK G. SHUMAN CO., Chicago, Ill. Filed Jan. 9, 1925. Serial No. 207,891.

TRIANGLE

Particular description of goods.—Metal-Tag Fasteners.
Claims use since May, 1912.

211,313. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ROSTAND MANUFACTURING COMPANY, Milford, Conn. Filed Dec. 19, 1925. Serial No. 224,933.

Rostand TRADE MARK

Particular description of goods.—Andirons and Door Knockers.
Claims use since July 31, 1910.

211,314. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Jan. 14, 1926. Serial No. 225,906.

LORAIN

"Lorain."
Particular description of goods.—Oven Heat Regulators.
Claims use since about Mar. 15, 1919.

211,315. (CLASS 12. CONSTRUCTION MATERIALS.) THE DIAMOND METAL WEATHER STRIP CO., Columbus, Ohio. Filed Jan. 4, 1926. Serial No. 225,468.

U-PUT-ON

Particular description of goods.—Weather Strips.
Claims use since 1914.

211,316. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CROUSE-HINDS COMPANY, Syracuse, N. Y. Filed Dec. 12, 1925. Serial No. 224,598.

WEDGTITE

Particular description of goods.—Pipe and Conduit Hangers.
Claims use since about June 1, 1924.

211,317. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE BEST SKIRT MARKER COMPANY, Chicago, Ill. Filed Dec. 24, 1925. Serial No. 225,106.

THE BEST

Particular description of goods.—Skirt Markers.
Claims use since November, 1918.

211,318. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH M. MAZER, doing business as Bogart Paper Company, Brooklyn, N. Y. Filed Jan. 7, 1925. Serial No. 207,793.

ONE-SHEET

Particular description of goods.—Devices Suitable for the Holding of Paper.
Claims use since May 6, 1924.

211,319. (CLASS 12. CONSTRUCTION MATERIALS.) A C SPARK PLUG COMPANY, doing business as Flint Faience Tile Company, Flint, Mich. Filed Dec. 17, 1924. Serial No. 206,818.

FLINT FAIENCE TILE CO. FLINT MICH.

Particular description of goods.—Floor Tiles Made from a Ceramic Mixture.
Claims use since June, 1921.

211,320. (CLASS 39. CLOTHING.) RELIABLE KNITTING WORKS, Milwaukee, Wis. Filed Feb. 8, 1924. Serial No. 192,037.

WIND PROOF

Particular description of goods.—Knitted Caps for Men, Women, and Children.
Claims use since Oct. 1, 1923.

211,321. (CLASS 39. CLOTHING.) THE DAN COHEN CO., Vincennes, Ind., and Covington, Ky. Filed Mar. 11, 1925. Serial No. 210,828.

Hy Grade

Particular description of goods.—Shoes of Leather, Rubber, and Fabric, of Leather and Rubber, Leather and Fabric, and Rubber and Fabric.
Claims use since Feb. 17, 1925.

211,322. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 3, 1925. Serial No. 210,490.

Saybrooke

Particular description of goods.—Men's Suits.
Claims use since Feb. 12, 1925.

211,323. (CLASS 39. CLOTHING.) FRANKEL BROS., New York, N. Y. Filed Feb. 14, 1925. Serial No. 209,569.

FRANKLIN

Particular description of goods.—Coats, Vests, Trousers, and Overcoats for Men.
Claims use since about September, 1924.

211,324. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NATIONAL MACHINERY CO., Tiffin, Ohio. Filed Feb. 9, 1925. Serial No. 209,312.

SEMI-HOT

Particular description of goods.—Machines for Heading Bolts and Rivets.
Claims use since 1920.

211,325. (CLASS 39. CLOTHING.) THE SUPERIOR GARMENT COMPANY, St. Johns, Mich. Filed Mar. 12, 1925. Serial No. 210,933.

LINGERIE LUXURIOUS

Particular description of goods.—Lingerie.
Claims use since Feb. 5, 1925.

211,326. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GEO. S. COLTON ELASTIC WEB CO., Easthampton, Mass. Filed Mar. 20, 1925. Serial No. 211,328.

Hy Class

Particular description of goods.—Narrow Elastic Webs.
Claims use since Dec. 1, 1924.

211,327. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925. Serial No. 211,100.

HOURBESTE

Particular description of goods.—Buttons Not of Precious Metal.
Claims use since about Feb. 16, 1925.

211,328. (CLASS 39. CLOTHING.) HILL AND LOPER COMPANY, INCORPORATED, Danbury, Conn. Filed Mar. 24, 1925. Serial No. 211,531.

FLANUL-FELT

Particular description of goods.—Men's, Women's, and Children's Felt Hats.
Claims use since on or about Feb. 1, 1925.

211,329. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE P. & M. COMPANY, Chicago, Ill. Filed Apr. 1, 1925. Serial No. 212,032.

YARDLEY

Particular description of goods.—Rail Anchors or Anticreepers.
Claims use since Feb. 16, 1925.

211,330. (CLASS 39. CLOTHING.) BURROWS SHOE COMPANY, Rochester, N. Y. Filed Oct. 6, 1925. Serial No. 221,302.

FASHION ARCH

Particular description of goods.—Women's Leather, Canvas, Rubber, and Fabric Boots and Shoes.
Claims use since Feb. 1, 1925.

211,331. (CLASS 10. FERTILIZERS.) KELLY, WEBER & COMPANY, LTD., Lake Charles, Oakdale, and Leesville, La. Filed Oct. 27, 1925. Serial No. 222,382.

WEBER-KING

Particular description of goods.—Fertilizers.
Claims use since Oct. 1, 1921.

211,332. (CLASS 39. CLOTHING.) HARRY M. SACKS, doing business as Rockwood Hosiery Company, Philadelphia, Pa. Filed Nov. 11, 1925. Serial No. 223,142.

Rockwood HOSIERY

Applicant disclaims the use of the word "Hosiery" apart from the mark shown.
Particular description of goods.—Hosiery.
Claims use since Nov. 24, 1906.

211,333. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAFE-HOME LABORATORY CO., Toledo, Ohio. Filed Nov. 30, 1925. Serial No. 224,054.

Safe

Particular description of goods.—Dry-Cleaner Solvents.
Claims use since Mar. 1, 1920.

211,334. (CLASS 39. CLOTHING.) ROTHSCHILD BROTHERS HAT COMPANY, St. Louis, Mo. Filed Jan. 18, 1926. Serial No. 226,078.

Stetson

Particular description of goods.—Men's, Women's, and Children's Gloves of Leather, Cotton Fabric, and Wool and Combinations of Leather and Cotton Fabric.
Claims use since July, 1912.

211,335. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE EDDINE MANUFACTURING COMPANY, doing business as La-Mar Laboratories, Cleveland, Ohio. Filed Dec. 10, 1924. Serial No. 206,516.

LA-MAR REDUCING SOAP

Particular description of goods.—A Weight-Reducing or Obesity-Relieving Soap.
Claims use since July 28, 1923.

211,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Jan. 23, 1925. Serial No. 208,534.

Tu-Lip

Particular description of goods.—Rouge.
Claims use since Jan. 15, 1925.

211,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EDDINE MANUFACTURING COMPANY, doing business as La-Mar Laboratories, Cleveland, Ohio. Filed Dec. 10, 1924. Serial No. 206,517.

LA-MAR

Particular description of goods.—Obesity Remedies and Weight-Reducing Medicaments.
Claims use since on or about July 28, 1923.

211,338. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Filed Feb. 3, 1925. Serial No. 209,047.

KLEENSHAVE

Particular description of goods.—Shaving Cream to be Used Before Shaving.
Claims use since Jan. 26, 1925.

211,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Feb. 7, 1925. Serial No. 209,246.

MEADOW VIOLET

Particular description of goods.—Talcum Powder.
Claims use since Jan. 21, 1925.

211,340. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Feb. 7, 1925. Serial No. 209,247.

PERSIAN ROSE

Particular description of goods.—Talcum Powder.
Claims use since Jan. 21, 1925.

211,341. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Feb. 7, 1925. Serial No. 209,248.

CALIFORNIA LILAC

Particular description of goods.—Talcum Powder.
Claims use since Jan. 21, 1925.

211,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. SILVERS & BRO. CO. INC., Cranbury, N. J. Filed Feb. 7, 1925. Serial No. 209,250.

MIDDLESEX

Particular description of goods.—Canned Vegetables and Coffee.
Claims use since about Jan. 1, 1908.

211,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. WEEKS & COMPANY, INC., Des Moines, Iowa. Filed Feb. 19, 1925. Serial No. 209,886.

Weeks'

Particular description of goods.—Cold Tablets, Kidney Pills, Laxative Wafers, Gas and Indigestion Tablets, and Pile Medicine.
Claims use since 1897.

211,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEROXIDE MANUFACTURING & SPECIALTY CO., San Francisco, Calif. Filed Mar. 13, 1925. Serial No. 210,981.

FIRST AID

Particular description of goods.—Peroxide of Hydrogen, Sheep Dip, and Disinfectant.
Claims use since Feb. 20, 1925.

211,345. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN STEEL WOOL MFG. CO., INC., New York, N. Y. Filed Mar. 16, 1925. Serial No. 211,073.

"Handi Rolls"

Particular description of goods.—Steel Wool.
Claims use since Feb. 17, 1925.

211,346. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROY J. HELD, doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill. Filed Dec. 30, 1925. Serial No. 225,306.

STOVER
WATER SOFTENER

Particular description of goods.—Water-Softening Apparatus.
Claims use since Sept. 10, 1924.

211,347. (CLASS 31. FILTERS AND REFRIGERATORS.) ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt. Filed Jan. 2, 1926. Serial No. 225,394.

STANDARD

Particular description of goods.—Refrigerators.
Claims use since August, 1919.

211,348. (CLASS 39. CLOTHING.) JOSEPH PERSKY, doing business as The Roosevelt Sport Coat Mills, Worcester, Mass. Filed Oct. 30, 1924. Serial No. 204,627.

ROOSEVELT KNITTED SPORT COAT

Particular description of goods.—Knitted Sport Coats or Sweaters and Bathing Suits for Men, Women, and Children; Infants' Socks, Bootees, and Bonnets.
Claims use since about Sept. 1, 1924.

211,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed Nov. 27, 1925. Serial No. 223,923.

"Some Chocolates"!

Particular description of goods.—Assorted Chocolates.
Claims use since Sept. 30, 1925.

211,350. (CLASS 31. FILTERS AND REFRIGERATORS.) ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt. Filed Dec. 9, 1925. Serial No. 224,445.

GLENWOOD

Particular description of goods.—Refrigerators.
Claims use since August, 1912.

211,351. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL WEIDNER, Detroit, Mich. Filed Dec. 21, 1925. Serial No. 225,000.

Michigan Made

Particular description of goods.—Malt Extract for Food Purposes.
Claims use since 1920.

211,352. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE S. J. PATTERSON COMPANY, Dayton, Ohio. Filed Dec. 28, 1925. Serial No. 225,239.

Patterson's
POCAHONTAS

Particular description of goods.—Coal.
Claims use since 1922.

211,353. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. J. SCHOTT DRUG CO. INC., Galveston, Tex. Filed Sept. 3, 1925. Serial No. 219,766.

EMULSION
PETROLEUM
—AND—
RED PINE
—FOR—
COUGHS AND COLDS
OF LONG STANDING
J. J. SCHOTT DRUG CO., Inc.

Particular description of goods.—Cough Medicine.
Claims use since 1918.

211,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed Oct. 12, 1925. Serial No. 221,620.

"Some Gum Drops"!

Particular description of goods.—Gumdrops.
Claims use since Dec. 5, 1924.

211,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DONAHOE'S INC., Pittsburgh, Pa. Filed Jan. 15, 1926. Serial No. 225,955.

MY-TE-GOOD

Particular description of goods.—Evaporated Milk.
Claims use since January, 1924.

211,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLAVARRIA & CO., INC., New York, N. Y. Filed Jan. 18, 1926. Serial No. 226,073.

TOLEDO

Particular description of goods.—Sugar.
Claims use since January, 1920.

211,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Jan. 22, 1926. Serial No. 226,240.

Manhattan

Particular description of goods.—Galatea-Cloth Piece Goods.
Claims use since Sept. 25, 1913.

211,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALSTEAD CANNING CO., INC., Cortland, N. Y. Filed Jan. 22, 1926. Serial No. 226,246.

ARGYLE

Particular description of goods.—Canned Vegetables.
Claims use since Sept. 1, 1900.

211,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD MEDICAL COMPANY, Lansford, Pa. Filed Feb. 13, 1926. Serial No. 227,280.

WILLIAMS'
ANTI-PAIN
OINTMENT

Particular description of goods.—An Ointment For the Treatment of Rheumatic and Neuralgia Pains.
Claims use since January, 1907.

211,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Jan. 15, 1926. Serial No. 225,960.

AVONDALE

Particular description of goods.—Vanillin Coumarin Compound—A Food-Flavoring Compound.
Claims use since July 4, 1924.

211,361. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Jan. 23, 1926. Serial No. 226,311.

STANDARD

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made From Petroleum, Both With and Without Admixture of Animal, Vegetable, and Mineral Substances. For Illuminating, Burning, Power, Solvent, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since July 21, 1924.

211,362. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JAMES R. PETRIE, San Francisco, Calif. Filed June 25, 1924. Serial No. 199,126.

Petrie
T. & G. PISTON RINGS

The words "Piston Rings" are disclaimed apart from the mark as shown.
Particular description of goods.—Piston Rings.
Claims use since Apr. 1, 1924.

211,363. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD J. GREENE, Toledo, Ohio. Filed Oct. 24, 1925. Serial No. 222,237.

STOR-AT-UR-DOR

Particular description of goods.—Motor Vending Trucks.
Claims use since January, 1920.

211,364. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) OREGON FAN BELT MANUFACTURING COMPANY, Portland, Oreg. Filed Jan. 22, 1926. Serial No. 226,254.

PORTLAND

Particular description of goods.—Fan Belts For Internal-Combustion Engines.
Claims use since Dec. 1, 1924.

211,365. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. J. WARNER CO. INC., New York, N. Y. Filed Jan. 29, 1926. Serial No. 226,614.

PELHAM VOILE

Particular description of goods.—Cotton Piece Goods.
Claims use since July, 1923.

211,366. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NIELSEN RADIATOR CEMENT CO., Spencer, Iowa. Filed Apr. 14, 1925. Serial No. 212,694.

INSTANT
LIQUID
RADIATOR CEMENT

Particular description of goods.—Radiator and Boiler Cement.
Claims use since April, 1923.

211,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL HALLQUIST, doing business as Hollywood Beauty Products, Brooklyn, N. Y. Filed Dec. 23, 1925. Serial No. 225,092.

HOLLYWOOD

Particular description of goods.—Face Powders.
Claims use since June, 1922.

TRADE-MARK REGISTRATIONS RENEWED

26,811. WATERPROOF FABRICS. Registered July 16, 1895. HEPTON BROS. Renewed July 16, 1925, to Hepton Brothers, Limited, Leeds, England, a Corporation of Great Britain, successor.

27,061. A POLISHING COMPOUND FOR METAL GOODS. Registered September 10, 1895. LUBSZYNSKI & Co., Berlin, Germany. Renewed September 10, 1925, to Chemische Werke Lubszynski & Co. Aktiengesellschaft, Berlin-Lichtenberg, Germany, a Corporation of Germany, assignee.

27,641. COSMETICS AND PREPARATIONS FOR RENDERING THE SKIN SOFT AND SMOOTH. Registered January 14, 1896. URIAH G. BECK, Elmira, N. Y. Renewed January 14, 1926, to Goodrich Drug Company, Omaha, Nebr., a Corporation of Nebraska, assignee by mesne assignments.

27,724. CAR BUFFERS, PLATFORMS, AND COUPLINGS, AND PARTS THEREOF. Registered January 28, 1896. GOULD COUPLER CO., New York and Depew, N. Y. Renewed January 28, 1926, to The Gould Coupler Company, New York, N. Y., a Corporation of Maryland, assignee.

27,836. INCUBATORS AND BROODERS. Registered February 18, 1896. GEORGE H. STAHL, Quincy, Ill., a Corporation of Illinois. Renewed February 18, 1926.

27,894. LOZENGES AND OTHER CONFECTIONS. Registered March 3, 1896. GEORGE J. BLOME. Renewed March 3, 1926, to The George Blome & Son Co., Baltimore, Md., a Corporation of Maryland, successor.

27,957. BAKING POWDER. Registered March 17, 1896. HENRY CHAS. KEGELER, New York, N. Y. Renewed March 17, 1926, to Emma Kegeler Huber and Lydia Kegeler, executrices and trustees of Doris Kegeler, deceased, Mount Vernon, N. Y., successors.

28,006. PLOWS AND THEIR PARTS. Registered March 24, 1896. THE BUCHER & GIBBS PLOW COMPANY, Canton, Ohio, a Corporation of Ohio. Renewed March 24, 1926.

28,048. CERTAIN NAMED MEDICINE EXTRACTS AND OILS. Registered March 31, 1896. AMOS H. GOTTSCHALL. Renewed March 31, 1926, to P. B. Gottschall, Harrisburg, Pa., assignee.

28,050. RAZORS. Registered March 31, 1896. CHARLES F. BUTCHER. Renewed March 31, 1926, to W. & S. Butcher Limited, Sheffield, England, a Corporation of Great Britain, successor.

28,078. HYDRAULIC HOSE, COTTON RUBBER LINED, LINEN, AND COTTON HOSE. Registered April 7, 1896, to BOWMAN RUBBER CO. Renewed April 7, 1926, to Pioneer Rubber Mills, San Francisco, Calif., a Corporation of California, successor.

28,162. CANNED TOMATOES AND TOMATO EXTRACT. Registered April 21, 1896. JOSEPH CAMPBELL PRESERVE CO. Renewed April 21, 1926, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, successor.

28,269. CHAMPAGNE WINE. Registered May 19, 1896. AMERICAN WINE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed May 19, 1926.

28,281. OINTMENTS, REMEDIES FOR COUGHS AND KINDRED COMPLAINTS, COLIC, CHOLERA, DIARRHEA, AND LIVER DISEASES. Registered May 19, 1896. THE E. E. SUTHERLAND MEDICINE CO., Paducah, Ky. Renewed May 19, 1926, to Dr. Bell Medicine Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

28,282. REMEDIES FOR SKIN AND FLESH WOUNDS AND DISEASES OF ANIMALS. Registered May 19, 1896. BICKMORE GALL CURE COMPANY. Renewed May 19, 1926, to The Bickmore Company, Old Town, Me., a Corporation of Maine, assignee.

28,393. CHEWING GUM. Registered June 16, 1896. THE PEERLESS MANUFACTURING CO. Renewed June 16, 1926, to Carl C. Mueller, doing business as The Peerless Manufacturing Co., Washington, D. C., successor.

28,461. HARROWS, REVOLVING PLOWS, CULTIVATORS, AND SEEDERS. Registered June 23, 1896. THE CUTAWAY HARROW CO. Renewed June 23, 1926, to The Cutaway Harrow Company, Higganum, Conn., a Corporation of Connecticut, assignee, by mesne assignments.

28,781. OLEAGINOUS FOOD SUBSTANCES. Registered August 18, 1896. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 18, 1926.

44,889. WHITE PIGMENTS, DRY OR IN OIL. Registered July 25, 1905. N. Z. GRAVES CO. INC. Renewed July 25, 1925, to Wm. Findlay Brown, receiver for N. Z. Graves Incorporated, Philadelphia, Pa., successor.

47,267. LAXATIVES. Registered October 31, 1905. CHESTER KENT & CO. Renewed October 31, 1925, to Chester Kent & Co. Inc., Detroit, Mich., a Corporation of Massachusetts, assignee.

47,714. REMEDIES FOR INTERNAL AND EXTERNAL USE. Registered November 14, 1905. FRANK EMERSON, South Lawrence, Mass. Renewed November 14, 1925, to Frank W. Emerson and Mabel E. Emerson, doing business as John W. Patrick, Manager, Lawrence, Mass., successors.

47,802. A DENTIFRICE. Registered November 21, 1905. JENNINGS COMPANY, Greenport, N. Y. Renewed November 21, 1925.

48,437. VETERINARY REMEDY. Registered December 26, 1905. DAVID BINKLEY. Renewed December 26, 1925, to Charles F. Binkley, doing business as Binkley Medical Company, Nappanee, Ind., successor.

48,465. CANNED FRUIT AND VEGETABLES. Registered January 2, 1906. THE SCUDDERS-GALE GROCER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed January 2, 1926.

48,493. SILVER-PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. Registered January 2, 1906. WM. A. ROGERS LIMITED, New York, N. Y. Renewed January 2, 1926, to Wm. A. Rogers Limited, Toronto, Canada, and Niagara Falls, N. Y., a Corporation of Ontario, Canada.

48,746. HANDCUFFS AND LEG IRONS. Registered January 9, 1906. TOWER & LYON CO., New York, N. Y. Renewed January 9, 1926, to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut, successor.

48,747. POLICE TWISTERS. Registered January 9, 1906. TOWER & LYON CO., New York, N. Y. Renewed January 9, 1926, to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut, successor.

48,748. NAIL PULLERS. Registered January 9, 1906. TOWER & LYON CO., New York, N. Y. Renewed January 9, 1926, to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut, successor.

49,085. POWDER FOR DRYING THE HAIR. Registered January 23, 1906. WALDEYER & BETTS, New York, N. Y. Renewed January 23, 1926.

49,496. GOLD-PLATED RINGS. Registered February 6, 1906. THE F. H. SADLER CO. Renewed February 6, 1926, to The F. H. Sadler Co., Attleboro, Mass., a Corporation of Massachusetts, successor.

49,694. LARD AND LARD COMPOUNDS. Registered February 13, 1906. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Renewed February 13, 1926, to Lever Brothers Company, Portland, Me., and Cambridge, Mass., a Corporation of Maine, assignee by mesne assignments.

49,717. STOVES, RANGES, FURNACES, HEATERS, AND PARTS THEREOF. Registered February 13, 1906. MAGEE FURNACE CO. Renewed February 13, 1926, to Magee Furnace Company, Boston, Mass., a Corporation of Massachusetts, assignee.

49,877. ARTIFICIAL FERTILIZERS. Registered February 20, 1906. SPARTANBURG FERTILIZER CO., Spartanburg, S. C., a Corporation of South Carolina. Renewed February 20, 1926.

49,887. GREASE CUPS. Registered February 20, 1906. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed February 20, 1926.

49,945. PICKERS AND BURRING MACHINES AND ATTACHMENTS AND PARTS THEREOF. Registered February 27, 1906. CURTIS & MARBLE MACHINE CO., Worcester, Mass., a Corporation of Massachusetts. Renewed February 27, 1926.

49,947. WIRE ROPE. Registered February 27, 1906. DURABLE WIRE ROPE CO., Boston, Mass., a Corporation of New Jersey. Renewed February 27, 1926.

49,967. PICKERS AND BURRING MACHINES AND ATTACHMENTS AND PARTS THEREOF. Registered February 27, 1906. CURTIS & MARBLE MACHINE CO., Worcester, Mass., a Corporation of Massachusetts. Renewed February 27, 1926.

50,018. RUBBER SUBSTITUTES. Registered February 27, 1906. THE DERMATINE COMPANY LIMITED, London, England, a Corporation of Great Britain. Renewed February 27, 1926.

50,400. HANDCUFFS AND LEG IRONS. Registered March 13, 1906. TOWER & LYON CO., New York, N. Y. Renewed March 13, 1926, to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut, successor.

50,453. GREASE CUPS. Registered March 20, 1906. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed March 20, 1926.

50,595. OIL CUPS. Registered March 27, 1906. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed March 27, 1926.

50,603. DULL-BLACK AND COLORED CALF LEATHER. Registered March 27, 1906. BARNET LEATHER CO. Renewed March 27, 1926, to Barnet Leather Co., Inc., New York, N. Y., a Corporation of Delaware, successor.

50,668. AERATED TONIC BEVERAGES AND SIRUPS FOR THE SAME. Registered March 27, 1906. THE DR. PEPPER CO. Renewed March 27, 1926, to Dr. Pepper Co., Dallas, Tex., a Corporation of Colorado, successor.

50,695. SOAP. Registered March 27, 1906. GEO. A. SCHMIDT. Renewed March 27, 1926, to Geo. A. Schmidt & Co., Chicago, Ill., assignee.

50,804. ROPE CLIPS. Registered April 3, 1906. AMERICAN HOIST & DERRICK COMPANY. Renewed Apr. 3, 1926, to American Hoist & Derrick Co., St. Paul, Minn., successor.

50,838. PAPER BAGS. Registered April 3, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed April 3, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

50,861. LITHIA WATER. Registered April 3, 1906. WILLIAM G. TAYLOR. Renewed April 3, 1926, to Fonticello Springs Company, Inc., Richmond, Va., a Corporation of Virginia, assignee.

50,916. STEEL FISHING RODS. Registered April 3, 1906. THE HORTON MFG. CO. Renewed April 3, 1926, to The Horton Manufacturing Company, Bristol, Conn., a Corporation of Connecticut.

50,952. VERTICAL-PLANE CAR COUPLINGS. Registered April 3, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY. Renewed April 3, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

51,247. METAL BEARINGS, BUSHINGS, AND JOURNALS. Registered April 10, 1906. NORTH AMERICAN METALINE CO. Renewed April 10, 1926, to The Metaline Company, Long Island City, N. Y., a Corporation of New York, assignee.

51,328. CHILDREN'S UNDERWAISTS. Registered April 10, 1906. NAZARETH WAIST CO., Reading, Pa., and New York, N. Y. Renewed April 10, 1926, to Nazareth Waist Co., Nazareth, Pa., a Corporation of Pennsylvania.

51,426. BLACK PAINTS AND JAPANS. Registered April 17, 1906. N. Z. GRAVES CO. INC. Renewed April 17, 1926, to Wm. Findlay Brown, receiver of N. Z. Graves Incorporated, Philadelphia, Pa., successor.

51,471. MACHINE BELTING. Registered April 17, 1906. MAIN BELTING COMPANY, Philadelphia, Pa. Renewed April 17, 1926.

51,497. STEAM AND HOT-WATER HEATERS AND PARTS THEREOF. Registered April 17, 1906. THE HERENDEEN MANUFACTURING CO., Geneva, N. Y. Renewed April 17, 1926, to United States Radiator Corporation, Detroit, Mich., a Corporation of New York, assignee.

51,518. OINTMENT. Registered April 17, 1906. D. RANSOM, SON AND COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,519. LINIMENT. Registered April 17, 1906. D. RANSOM, SON AND COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,600. SHEETINGS, SHIRTINGS, AND DRILLS. Registered April 17, 1906. ROBERT A. SUFFERN. Renewed April 17, 1926, to Amory, Browne & Co., New York, N. Y., successors.

51,794. WHEAT FLOUR. Registered April 24, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Renewed April 24, 1926, to The Meyer Milling Company, St. Louis, Mo., a Corporation of Delaware, assignee.

51,795. WHEAT FLOUR. Registered April 24, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Renewed April 24, 1926, to The Meyer Milling Company, St. Louis, Mo., a Corporatian of Delaware, assignee.

51,820. SCENIC RAILWAYS. Registered April 24, 1906. THE L. A. THOMPSON SCENIC RAILWAY CO., New York, N. Y., a Corporation of New Jersey. Renewed April 24, 1926.

51,852. POISON OR EXTERMINATOR FOR RATS, VERMIN, AND INSECTS. Registered April 24, 1906. EPHRAIM S. WELLS. Renewed April 24, 1926, to William Henry Wells and George Titus Wells, executors and trustees of Ephraim S. Wells, deceased, Jersey City, N. J., assignees.

51,888. LIQUID PAINT. Registered April 24, 1906. GEO. D. WETHERILL & CO. INC., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed April 24, 1926.

51,925. AN INTERNAL AND EXTERNAL REMEDY. Registered April 24, 1906. D. RANSOM, SON AND COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed April 24, 1926.

51,931. VEGETABLE BITTERS. Registered April 24, 1906. ELEANOR S. HAY and EDWARD A. HAY, executors of Henry H. Hay, deceased. Renewed April 24, 1926, to The L. F. Medicine Company, Portland, Me., successors.

52,080. SOAP. Registered May 1, 1906. R. HUDNUT'S PHARMACY. Renewed May 1, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

52,121. LUBRICATING OILS. Registered May 1, 1906. WILBURINE OIL WORKS, LTD., New York, N. Y. Renewed May 1, 1926, to Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey, successor.

52,122. PETROLEUM OR MINERAL JELLY. Registered May 1, 1906. WILBURINE OIL WORKS, LTD., New York, N. Y. Renewed May 1, 1926, to Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey, successor.

52,160. TOILET POWDER AND SACHET POWDER. Registered May 1, 1906. R. HUDNUT'S PHARMACY. Renewed May 1, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

52,191. RUBBER FOR DENTAL PURPOSES. Registered May 1, 1906. TRAUN RUBBER CO. Renewed May 1, 1926, to Atlantic Rubber Manufacturing Corporation, New York, N. Y., a Corporation of New York, assignee.

52,288. BROOMS. Registered May 8, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed May 8, 1926.

52,292. BAKING SODA AND BAKING POWDER. Registered May 8, 1906. CHURCH & DWIGHT COMPANY. Renewed May 8, 1926, to Church & Dwight Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

52,330. STOVES AND FURNACES. Registered May 8, 1906. F & L Kahn & Bros. Renewed May 8, 1926, to The Estate Stove Company, Hamilton, Ohio, a Corporation of Ohio, successor.

52,335. GREASE CUPS. Registered May 8, 1906. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed May 8, 1926.

52,336. BLOW-OFF VALVES. Registered May 8, 1906. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed May 8, 1926.

52,371. SUSPENDERS. Registered May 8, 1906. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 8, 1926.

52,383. PAPER BAGS. Registered May 8, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed May 8, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

52,385. PAPER BAGS. Registered May 8, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed May 8, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

52,386. PAPER BAGS. Registered May 8, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed May 8, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

52,405. BROOMS. Registered May 8, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed May 8, 1926.

52,734. BAKING POWDER. Registered May 15, 1906. PRICE BAKING POWDER COMPANY, Chicago, Ill. Renewed May 15, 1926, to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

52,756. FISHING RODS. Registered May 15, 1906. THE HORTON MANUFACTURING COMPANY, Bristol, Conn., a Corporation of Connecticut. Renewed May 15, 1926.

52,983. MACHINERY PACKING. Registered May 22, 1906. CHARLES NUHRING, Cincinnati, Ohio. Renewed May 22, 1926.

52,994. BAKING POWDER. Registered May 22, 1906. CLEVELAND BAKING POWDER COMPANY, New York, N. Y. Renewed May 22, 1926, to Royal Baking Powder Company, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

53,007. SOAP. Registered May 22, 1906. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Renewed May 22, 1926, to Gold Dust Corporation, Jersey City, N. J., a Corporation of New Jersey, assignee.

53,028. DIETETIC ALBUMINOUS PREPARATIONS. Registered May 22, 1906. BAUER & Co., Berlin, Germany. Renewed May 22, 1926, to The Bauer Chemical Company, Inc., New York, N. Y., a Corporation of New York, assignee.

53,035. WHISKY. Registered May 22, 1906. E. H. TAYLOR, JR. & SONS, INCORPORATED, Frankfort, Ky., a Corporation of Kentucky. Renewed May 22, 1926.

53,103. RAILWAY-CAR CASTINGS. Registered May 29, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY, Cleveland, Ohio, and Indianapolis, Ind. Renewed May 29, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

53,114. BOOT PROTECTORS OF METAL AND OF METAL AND RUBBER TOGETHER. Registered May 29, 1906. BLAKEY'S ROOT PROTECTORS, LIMITED, Leeds, England, a Corporation of Great Britain. Renewed May 29, 1926.

53,171. CERTAIN NAMED RUBBER GOODS. Registered May 29, 1906. THE FAULTLESS RUBBER CO., Akron, Ohio. Renewed May 29, 1926, to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio.

53,209. FLAVORING EXTRACTS. Registered May 29, 1906. ROYAL BAKING POWDER COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed May 29, 1926.

53,234. PAPER BAGS. Registered May 29, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed May 29, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,307. PRESERVATIVES AND FILLERS FOR BELTS. Registered May 29, 1906. CLING-SURFACE COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed May 29, 1926.

53,341. TOILET SOAP. Registered May 29, 1906. GEO. A. SCHMIDT Co. Renewed May 29, 1926, to Geo. A. Schmidt & Co., Chicago, Ill., assignee.

53,543. STEEL IN VARIOUS FORMS. Registered June 5, 1906. EDGAR ALLEN & Co. LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 5, 1926.

53,558. RAILWAY-CAR CASTINGS. Registered June 5, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY, Cleveland and Toledo, Ohio. Renewed June 5, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

53,559. RAILWAY-CAR CASTINGS. Registered June 5, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY, Cleveland, Ohio, and Sharon, Pa. Renewed June 5, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

53,577. PAPER BAGS. Registered June 5, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed June 5, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,641. ANIMAL TRAPS. Registered June 5, 1906. WILLIAM A. REDDICK. Renewed June 5, 1926, to Michigan Wire Goods Company, Niles, Mich., a Corporation of Michigan, assignee by mesne assignments.

53,672. CENTRIFUGAL PUMPS. Registered June 12, 1906. WHEELER CONDENSER & ENGINEERING CO., New York, N. Y. Renewed June 12, 1926, to Wheeler Condenser & Engineering Co., Carteret, N. J., a Corporation of New Jersey.

53,741. CLOTHES WRINGERS. Registered June 12, 1906. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed June 12, 1926, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

53,742. WRINGERS. Registered June 12, 1906. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed June 12, 1926, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

53,761. CANDY. Registered June 12, 1906. PAUL F. BEICH CO. Renewed June 12, 1926, to Paul F. Beich Company, Bloomington, Ill., a Corporation of Illinois.

53,777. SALT. Registered June 12, 1906. BROWN & SHAW. Renewed June 12, 1926, to Sterling Salt Company, New York, N. Y., a Corporation of New York, assignee.

53,791. CANNED CORN. Registered June 12, 1906. PORTLAND PACKING COMPANY, Portland, Me. Renewed June 12, 1926.

53,792. CANNED AND TINNED SALMON. Registered June 12, 1906. RICHARD B. GREEN & CO. LTD., Liverpool, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,976. LIQUID, SEMILIQUID, GRANULAR, AND CAKE SOAP FOR TOILET USE. Registered June 19, 1906. GEO. A. SCHMIDT CO. Renewed June 19, 1926, to Geo. A. Schmidt & Co., Chicago, Ill., assignee.

53,995. CLOTHES WRINGERS. Registered June 19, 1906. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed June 19, 1926, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

53,999. SILK THREADS AND CORDS. Registered June 19, 1906. THE BRAINERD & ARMSTRONG COMPANY, New London, Conn. Renewed June 19, 1926, to The Corticelli Silk Company, Florence, Mass., a Corporation of Connecticut, assignee.

54,097. BEERS. Registered June 19, 1906. BEADLESTON & WOERZ, New York, N. Y., a Corporation of New York. Renewed June 19, 1926.

54,120. CREAM OF TARTAR. Registered June 19, 1906. ROYAL BAKING POWDER COMPANY, New York, N. Y. Renewed June 19, 1926, to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey.

54,176. CANNED LOBSTERS, CANNED MACKEREL, CANNED CLAMS, AND CANNED CLAM CHOWDER. Registered June 19, 1906. PORTLAND PACKING CO., Portland, Me. Renewed June 19, 1926.

54,223. PAPER BAGS. Registered June 19, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed June 19, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

54,273. FINGER-NAIL POLISH. Registered June 26, 1906. Dr. J. PARKER PRAY COMPANY, LIMITED. Renewed June 26, 1926, to J. Parker Pray, Inc., New York, N. Y., a Corporation of New York, assignee.

54,300. FEED-WATER HEATERS. Registered June 26, 1906. WHEELER CONDENSER & ENGINEERING CO., New York, N. Y. Renewed June 26, 1926, to Wheeler Condenser & Engineering Co., Carteret, N. J., a Corporation of New Jersey.

54,316. SURFACE AND JET CONDENSERS. Registered June 26, 1906. WHEELER CONDENSER & ENGINEERING CO., New York, N. Y. Renewed June 26, 1926, to Wheeler Condenser & Engineering Co., Carteret, N. J., a Corporation of New Jersey.

54,516. WHEAT FLOUR. Registered June 26, 1906. JOHN F. MEYER & SONS MILLING COMPANY, St. Louis and Springfield, Mo. Renewed June 26, 1926, to The Meyer Milling Company, St. Louis, Mo., a Corporation of Delaware, assignee.

54,567. BROOMS. Registered June 26, 1906. AMERICAN BROOM & BRUSH CO., Amsterdam, N. Y., a Corporation of New York. Renewed June 26, 1926.

54,918. KNITTING-MACHINE NEEDLES. Registered August 7, 1906. EXCELSIOR NEEDLE COMPANY. Renewed August 7, 1926, to The Torrington Company, Torrington, Conn., a Corporation of Connecticut, assignee.

54,925. LEATHER BOOTS AND SHOES. Registered August 7, 1906. HENRY F. TAPLEY. Renewed August 7, 1926, to Henry F. Tapley, doing business as Amos P. Tapley & Co., Boston, Mass.

54,949. SPOKES AND NIPPLES. Registered August 7, 1906. THE STANDARD COMPANY. Renewed August 7, 1926, to The Torrington Company, Torrington, Conn., a Corporation of Connecticut, assignee.

54,951. ROUND-SHANK SCREW DRIVERS. Registered August 7, 1906. STANLEY RULE & LEVEL COMPANY. Renewed August 7, 1926, to The Stanley Works, New Britain, Conn., a Corporation of Connecticut, assignee.

54,959. CANDY. Registered August 7, 1906. PHILIP WUNDERLE, Philadelphia, Pa. Renewed August 7, 1926.

54,992. FACIAL CREAMS. Registered August 7, 1906. ISAAC HUBERT. Renewed August 7, 1926, to Rachel Hubert, Pauline Hubert Roemer, Merton Hubert, Arthur Hubert, and Charles K. Friedman, trustee for Malvina Hubert, doing business as Prof. I. Hubert, Toledo, Ohio, successors.

55,017. SILVER HOLLOW WARE, FLATWARE, AND TABLEWARE. Registered August 7, 1906. THE AMERICAN SILVER COMPANY, Bristol, Conn., a Corporation of Connecticut. Renewed August 7, 1926.

55,045. SOAP. Registered August 7, 1906. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Renewed August 7, 1926, to Gold Dust Corporation, Jersey City, N. J., a Corporation of New Jersey, assignee.

55,049. CLOAKS, DRESS SKIRTS, DRESS WAISTS, AND TAILOR-MADE SUITS. Registered August 7, 1906. THE BEDELL COMPANY, New York, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,115. CERTAIN NAMED EDGE TOOLS. Registered August 7, 1906. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed August 7, 1926.

55,117. APPARATUS FOR FIRE ALARM AND POLICE SIGNAL TELEGRAPHING. Registered August 7, 1906. THE GAMEWELL FIRE-ALARM TELEGRAPH COMPANY, New York, N. Y. Renewed August 7, 1926, to The Gamewell Company, Newton and Newton Upper Falls, Mass., a Corporation of Massachusetts, assignee.

55,121. RIBBON. Registered August 7, 1906. NEW YORK MERCHANDISE COMPANY. Renewed August 7, 1926, to New York Merchandise Company, New York, N. Y., a Corporation of New York, assignee.

55,123. RASPS. Registered August 7, 1906. STOKES BROS. MANUFACTURING CO., Freehold, N. J., a Corporation of New Jersey. Renewed August 7, 1926.

55,126. CERTAIN NAMED EDGE TOOLS. Registered August 7, 1906. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed August 7, 1926.

55,139. BRASS PIPE FITTINGS. Registered August 7, 1906. U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,152. LEATHER AND CANVAS BOOTS AND SHOES. Registered August 7, 1906. GEO. E. KEITH COMPANY, Brockton, Mass., a Corporation of Massachusetts. Renewed August 7, 1926.

55,248. SILVER-PLATED HOLLOW WARE. Registered August 7, 1906. BERNARD RICE'S SONS. Renewed August 7, 1926, to Bernard Rice's Sons, Inc., New York, N. Y., a Corporation of New York, assignee.

55,342. PATENT LEATHER FOR SHOES. Registered August 14, 1906. W. D. BYRON & SONS, Williamsport, Md. Renewed August 14, 1926, to W. D. Byron & Sons, Inc., Mercersburg, Pa., a Corporation of Pennsylvania, successor.

55,390. CANDY. Registered August 14, 1906. LITTLEFIELD & STEERE CO., Knoxville, Tenn., a Corporation of Tennessee. Renewed August 14, 1926.

55,396. PIPE JOINTS. Registered August 14, 1906. MORAN FLEXIBLE JOINT CO., Louisville, Ky., a Corporation of Kentucky. Renewed August 14, 1926.

55,397. CANDIES, BONBONS, AND CHOCOLATE CREAMS. Registered August 14, 1906. MENGO L. MORGENTHAU. Renewed August 14, 1926, to The Mirror, New York, N. Y., a Corporation of New York, assignee.

55,482 DRESS SHIELDS. Registered August 14, 1906. I. B. KLEINERT RUBBER CO. Renewed August 14, 1926, to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York, successor.

55,485. ARTIFICIAL MARBLE. Registered August 14, 1906. THE MARBLELOID COMPANY, New Durham, N. J. Renewed August 14, 1926, to The Marbleloid Company, New York, N. Y., a Corporation of New Jersey.

55,627. COFFEE. Registered August 21, 1906. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a Corporation of Ohio. Renewed August 21, 1926.

55,628. PILLS. Registered August 21, 1906. JAMES F. BALLARD. Renewed August 21, 1926, to James F. Ballard, Inc., St. Louis, Mo., a Corporation of Missouri, successor.

55,752. POULTRY MEDICINE. Registered August 21, 1906. DR. HESS & CLARK. Renewed August 21, 1926, to Dr. Hess & Clark, Inc., Ashland, Ohio, a Corporation of Ohio, successor.

55,922. CANNED OYSTERS, SHRIMP, LOBSTERS, CLAMS, AND CRABS. Registered August 21, 1906. MARY J. BOYER. Renewed August 21, 1926, to W. W. Boyer & Co., Inc., Baltimore, Md., a Corporation of Maryland, successor.

55,923. CORSETS. Registered August 21, 1906. GEORGE CHANDLER, Boston, Mass. Renewed August 21, 1926, to Corn Chandler, Brookline and Boston, Mass., successor.

55,926. CERTAIN NAMED BEVERAGES. Registered August 21, 1906. EQUINOX COMPANY, Manchester, Vt., a Corporation of Vermont. Renewed August 21, 1926.

56,065. EMBROIDERY, KNITTING, AND CROCHETING YARNS. Registered August 21, 1906. DEXTER YARN COMPANY. Renewed August 21, 1926, to Dexter Yarn Co., Pawtucket, R. I., a Corporation of Rhode Island.

56,088. CERTAIN NAMED BEVERAGES. Registered August 21, 1906. FRANK SEELY. Renewed August 21, 1926, to G. B. Seely's Son, Inc., New York, N. Y., a Corporation of New York, successor.

LABELS

REGISTERED APRIL 6, 1926.

30,154.—*Title:* BOSCH HYDROMETER. For Hydrometers. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany. Published February 27, 1926.

30,155.—*Title:* CLAREMONT KRAFT. For Paper. CLAREMONT PAPER COMPANY, INC., Claremont, N. H. Published February 27, 1926.

30,156.—*Title:* ROGERS BRUSHING LACQUER. For Nitrocellulose Lacquers and Enamels, Undercoatings, and Thinners. DETROIT WHITE LEAD WORKS, Detroit, Mich. Published February 2, 1926.

30,157.—*Title:* FEATHEREST. For Open-Coil Bed Springs. ENGLANDER SPRING BED CO., Brooklyn, N. Y. Published January 29, 1926.

30,158.—*Title:* CREAM OF FRUIT CHEWING GUM. For Chewing Gum GREENE CIRCLE PRODUCTS CO., Chicago, Ill. Published February 25, 1926.

30,159.—*Title:* LAFAYETTE FARMS EGGS. For Eggs. LAMM & LAMM, INC., Newark, N. J. Published February 5, 1926.

30,160.—*Title:* LONG'S FUDELAX. For a Laxative Preparation. DENNIS B. LONG, Battle Creek, Mich. Published August 27, 1925.

30,161.—*Title:* SNAP SHOP. For Cigars. J. A. McADOO, Charlotte, N. C. Published January 25, 1926.

30,162.—*Title:* MEAD'S YELLOW LABEL POWDERED WHOLE MILK. For Powdered Whole Milk. MEAD JOHNSON & COMPANY, Evansville, Ind. Published February 15, 1926.

30,163.—*Title:* MEAD'S BLUE LABEL POWDERED HALF SKIM MILK. For Powdered Half Skim Milk. MEAD JOHNSON & COMPANY, Evansville, Ind. Published February 15, 1926.

30,164.—*Title:* PARADISE. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Singapore Cold Storage Company, Singapore, Straits Settlements. Published December 30, 1925.

30,165.—*Title:* GREENWAY. For Toilet Paper. A. W. MENDENHALL COMPANY, Kansas City, Mo. Published January 15, 1926.

30,166.—*Title:* YORKSHIRE FARM #1. For Pimento Cheese. JOHN MORRELL & CO., Ottumwa, Iowa. Published January 16, 1926.

30,167.—*Title:* YORKSHIRE FARM #2. For Limburger Cheese. JOHN MORRELL & CO., Ottumwa, Iowa. Published December 30, 1925.

30,168.—*Title:* YORKSHIRE FARM #4. For Sharp Cheese. JOHN MORRELL & CO., Ottumwa, Iowa. Published January 16, 1926.

30,169.—*Title:* NICHOLS SYPHON POWDER. For Syphon-Powder Containers. HELEN E. NICHOLS, New York, N. Y. Published March 1, 1926.

30,170.—*Title:* TITE-TOP KEEP KOLD SHIPPING JACKET. For Shipping Jackets. PEORIA TENT & AWNING COMPANY, Peoria, Ill. Published April 23, 1925.

30,171.—*Title:* GOLD SEAL. For Hosiery. PHILADELPHIA KNITTING MILLS COMPANY, Philadelphia, Pa. Published August 17, 1925.

30,172.—*Title:* HELLS-FIRE DRAIN PIPE CLEANER. For a Chemical Powder for Cleaning Drain Pipes. ROLLINS SUPPLY CO., Chicago, Ill. Published February 12, 1926.

30,173.—*Title:* PAT FOR INDIGESTION. For a Medicine for Indigestion. MORRIS SHENKER, doing business as The Pat Company, Baltimore, Md. Published January 30, 1926.

30,174.—*Title:* ONEIDA. For Indian Blankets. N. SHURE CO., Chicago, Ill. Published November 15, 1925.

30,175.—*Title:* LICENSED SLEEP-RITE PRODUCTS. For Mattresses. SLEEP-RITE MATTRESS CO., Minneapolis, Minn. Published November 20, 1925.

30,176.—*Title:* SPRAY PARADISE. For an Insect Exterminator. ANNIE E. TREADWAY, doing business as Paradise Manufacturing Company, Fort Lauderdale, Fla. Published August 15, 1925.

PRINTS

REGISTERED APRIL 6, 1926.

8,685.—*Title:* COMING SOON. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published February 26, 1926.

8,686.—*Title:* FOR YOUR COMFORT'S SAKE REMEMBER. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 10, 1926.

8,687.—*Title:* LESS THAN 1¢ A SERVING—AN IDEAL FOOD FOR CONVALESCENTS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 3, 1926.

8,688.—*Title:* WHERE STATIONERY STYLES ORIGINATE. For Eaton's Social Stationery. EATON, CRANE & PIKE CO., Pittsfield, Mass. Published October 1, 1925.

8,689.—*Title:* EXCELSIOR PACKING PADS. For Packing Pads. EXCELSIOR WRAPPER COMPANY, Chicago, Ill. Published January 15, 1926.

8,690.—*Title:* THE BLUE BANNER SALES GIRL ASSORTMENT. For Chocolates. W. F. SCHRAFFT & SONS CORPORATION, Boston, Mass. Published January 9, 1926.

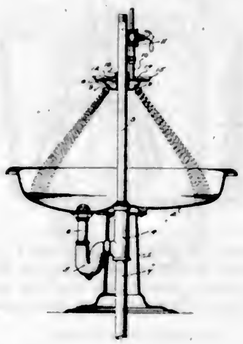
8,691.—*Title:* SCHRAFFT'S CHOCOLATES. For Chocolates. W. F. SCHRAFFT & SONS CORP., Boston, Mass. Published February 15, 1926.

8,692.—*Title:* MOTO-HEATER. For An Electric Heater for Internal Combustion Engines of Automobiles. JOHN F. SLOAN, Peoria, Ill. Published February 17, 1926.

REISSUES

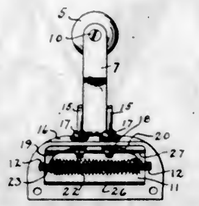
APRIL 6, 1926.

16,308. WASHBASIN. DAVID A. EBINGER, Columbus, Ohio, assignor to The D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 16, 1925. Serial No. 69,547. Original No. 1,517,414, dated Dec. 2, 1924, Serial No. 691,908, filed Feb. 11, 1924. 7 Claims. (Cl. 4—191.)



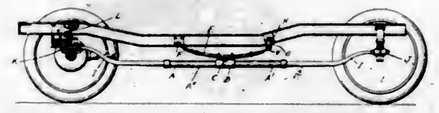
1. A device of the class described comprising a basin, a vent pipe rising centrally therefrom, a manifold adjustably carried by the vent pipe and having a soap container associated therewith, and means for introducing water into the manifold.

16,309. ELECTRIC SADIRON. MORTON MURPHY, Rushville, Ind. Filed Dec. 24, 1925. Serial No. 77,662. Original No. 1,526,431, dated Feb. 17, 1925, Serial No. 705,155, filed Apr. 9, 1924. 8 Claims. (Cl. 219—25.)



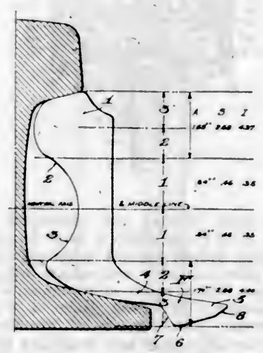
1. A sad iron having a hollow interior substantially rectangular in cross section and having a longitudinal groove in each side wall intermediate the top and bottom of the hollow interior, a heating element mounted on a sheet supported by the grooves which it slidingly enters from their ends, and an insulation sheet slidingly inserted in the hollow interior below the heating element, and a second insulation sheet slidingly inserted therein above the heating element.

16,310. SPRING SUSPENSION SYSTEM. ALBERT F. SHORE, New York, N. Y. Filed Feb. 12, 1924. Serial No. 692,376. Original No. 1,392,603, dated Oct. 4, 1921, Serial No. 429,841, filed Dec. 11, 1920. 11 Claims. (Cl. 267—28.)



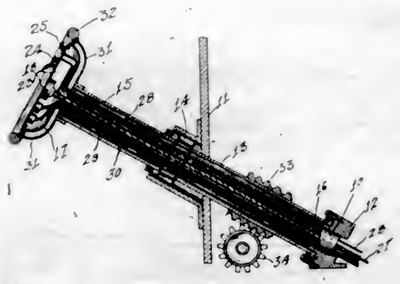
7. A vehicle embodying a semi-elastic subframe adapted to support the middle portion of the weight of said vehicle, a spring hinged on said subframe near the middle thereof and adapted to carry the middle part of the frame of the vehicle, springs near each end of said vehicle, a supplemental spring adapted to oppose the springs near the rear end of the vehicle when the vehicle is not heavily loaded, means for permitting disengagement of said supplemental spring when the vehicle is under load, and means for re-engaging said supplemental spring upon a recoil exceeding a predetermined amplitude.

16,311. STRESS-BALANCING SPLICE BAR. BANCROFT G. BRAINE, Montclair, N. J., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Feb. 13, 1926. Serial No. 88,136. Original No. 1,546,883, dated July 21, 1925, Serial No. 689,526, filed Jan. 30, 1924. 7 Claims. (Cl. 238—243.)



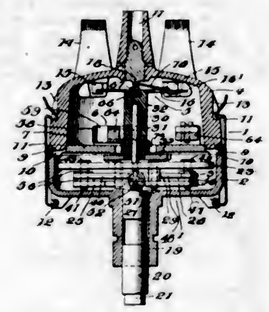
1. A splice bar having unsymmetrical upper and lower members containing effective zones of metal of substantially the same area and physical properties at equal distances respectively above and below a neutral axis or middle line.

16,312. STEERING COLUMN. BERTRAM J. GRIGSBY, Park Ridge, Ill., assignor to Whyte Motor Products Company, a Corporation of Illinois. Filed Nov. 8, 1923. Serial No. 673,613. Original No. 1,396,195, dated Nov. 8, 1921, Serial No. 326,643, filed Sept. 26, 1919. 6 Claims. (Cl. 180—78.)



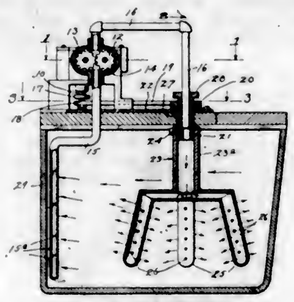
1. In a device of the class described, the combination of a stationary tube, a rotatable tube supported by said stationary tube, said tubes being disposed in concentric relation, a steering wheel connected with the upper end of said rotatable tube, an instrument board carrying indicating devices mounted on the upper end of said stationary tube, said devices comprising a speedometer and a flexible shaft extending through said stationary tube to said speedometer.

16,313. ELECTRIC IGNITING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. ARTHUR ATWATER KENT, Ardmore, Pa. Filed July 27, 1921. Serial No. 488,007. Original No. 1,341,136, dated May 25, 1920, Serial No. 160,651, filed Apr. 9, 1917. 39 Claims. (Cl. 200—22.)



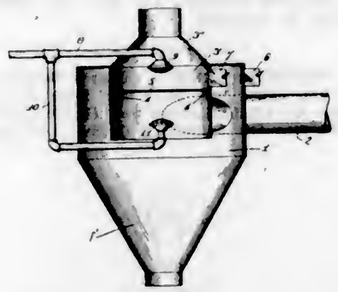
10. In a spark forming and controlling device the combination of a drive shaft, a plate having a center hole or opening and an annular flange extending on one side of said plate co-axially with said opening, said plate being provided with a recess in its opposite side larger than and co-axially with said flange, a combined cam and a distributer arm support of insulating material molded on, over and around said flange and into said hole and recess, and provided with an axial bore into which said upper end of said shaft smoothly fits, a spark advancing and retarding mechanism operatively connecting said driving shaft and said plate, a contact device operated by said cam, a distributer arm secured to the top of said support and a series of contact plates cooperating with said distributer arm.

16,314. WASHING MACHINE. JOHN E. KENNEY, Portland, Oreg., assignor to Joseph E. Dunne, Portland, Oreg. Filed Dec. 13, 1924. Serial No. 755,802. Original No. 1,493,987, dated May 13, 1924, Serial No. 642,607, filed May 31, 1923. 21 Claims. (Cl. 259—95.)



9. In a washing machine, a tub having a hollow head therein, a remotely located inlet supply for the head and means for effecting a continuous repellent discharge of washing liquid under pressure from said head.

16,315. DUST COLLECTOR. WILLIAM B. SENSEMAN, Los Angeles, Calif. Filed Jan. 31, 1925. Serial No. 6,131. Original No. 1,504,386, dated Aug. 12, 1924, Serial No. 462,786, filed Apr. 20, 1921. 9 Claims. (Cl. 183—30.)

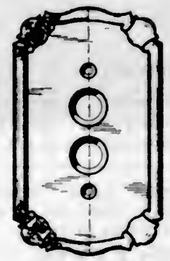


1. In a dust collector, the combination of a housing to receive dust ladened air, a supply pipe opening into said housing, the arrangement comprising means for causing the air to whirl within said housing, a member with small holes therethrough mounted across the inside of said housing, and means for delivering a liquid to the uppper face of said member for maintaining thereon a film of the liquid at said holes.

DESIGNS

APRIL 6, 1926.

69,811. SWITCH PLATE. FREDERICK H. AULD, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio. Filed Oct. 12, 1925. Serial No. 51,101. Term of patent 7 years.

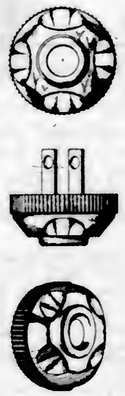


The ornamental design for a switch plate, as shown.

69,812. INCENSE BURNER. MAMIE ALICE BAUER, Los Angeles, Calif. Filed Nov. 5, 1925. Serial No. 15,357. Term of patent 14 years.

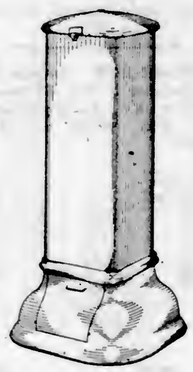
The ornamental design for an incense burner, substantially as shown.

69,813. ELECTRIC PLUG CAP. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, a Corporation of Connecticut. Filed Apr. 10, 1923. Serial No. 5,770. Term of patent 14 years.



The ornamental design for an electric plug cap substantially as shown.

69,814. VENDING-MACHINE CASING. FORREST H. BRUNDAGE, Toledo, Ohio. Filed Jan. 20, 1926. Serial No. 16,188. Term of patent 14 years.

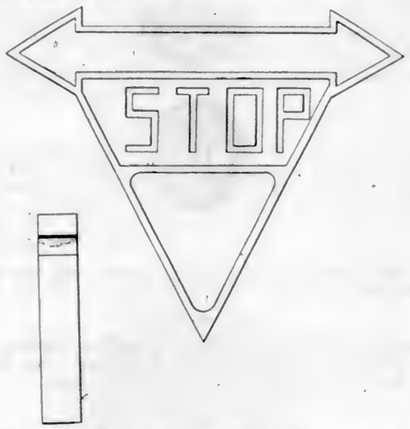


The ornamental design for a vending machine casing as shown.

69,815. PITCHER OR THE LIKE. CHARLES E. BULTMAN, Chicago, Ill.; IDA MAI BULTMAN Executrix of said Charles E. Bultman, deceased. Filed Nov. 10, 1922. Serial No. 4,252. Term of patent 3½ years.

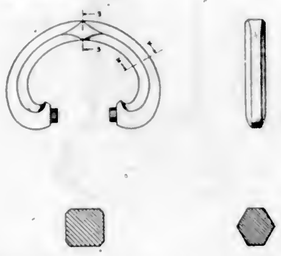
The ornamental design for a pitcher or the like as shown.

69,816. AUTOMOBILE LAMP. JUNE K. CHINN, Seattle, Wash. Filed May 1, 1925. Serial No. 13,271. Term of patent 14 years.



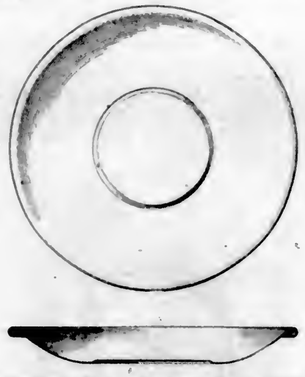
The ornamental design for an automobile lamp, as shown.

69,817. WATCHCASE BOW. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 6, 1926. Serial No. 15,975. Term of patent 14 years.



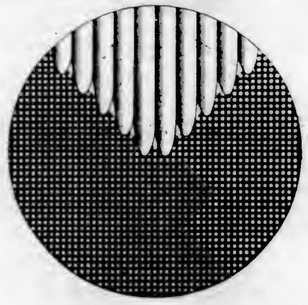
The ornamental design for a watchcase bow, substantially as shown.

69,818. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 4, 1923. Serial No. 5,692. Term of patent 3½ years.



The ornamental design for a plate or similar article of manufacture substantially as shown.

69,819. HEADLIGHT LENS. GEORGE EUSTIS CORCORAN, Wash., D. C. Filed Jan. 6, 1926. Serial No. 15,965. Term of patent 14 years.



The ornamental design for a headlight lens, as shown.

69,820. LAMP SHADE OR SIMILAR ARTICLE. HELEN J. CUMMINGS, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Nov. 9, 1923. Serial No. 7,726. Term of patent 3½ years.

The ornamental design for a lamp shade or similar article, substantially as shown.

69,821. HANDKERCHIEF. AARON W. DAVIS, New York, N. Y., assignor to Davis & Catterall, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 8, 1926. Serial No. 15,999. Term of patent 14 years.

The ornamental design for a handkerchief as shown.

69,822. RUG. STELLA B. DICKINSON, Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc., a Corporation of New York. Filed Feb. 6, 1926. Serial No. 16,437. Term of patent 3½ years.

The ornamental design for a rug as shown.

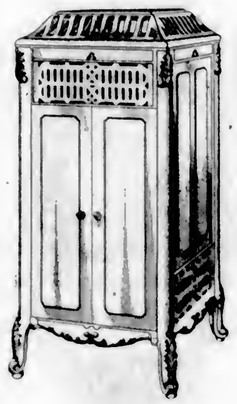
69,823. RUG. STELLA B. DICKINSON, Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc., a Corporation of New York. Filed Feb. 6, 1926. Serial No. 16,438. Term of patent 3½ years.

The ornamental design for a rug as shown.

69,824. RUG. STELLA B. DICKINSON, Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc., a Corporation of New York. Filed Feb. 6, 1926. Serial No. 16,439. Term of patent 3½ years.

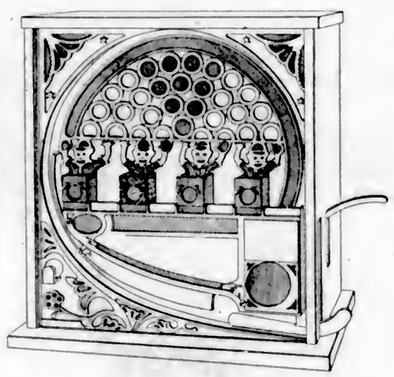
The ornamental design for a rug as shown.

69,825. HEATING STOVE. EDWIN F. DIEKMANN, Evansville, Ind. Filed Jan. 23, 1925. Serial No. 12,116. Term of patent 14 years.



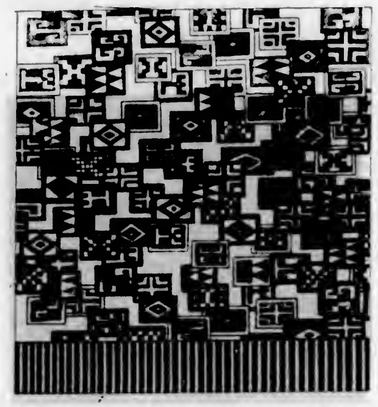
The ornamental design for a heating stove, as shown.

69,826. VENDING-MACHINE CASING. OTTO J. DOERRE, Chicago, Ill. Filed Jan. 10, 1925. Serial No. 11,992. Term of patent 7 years.



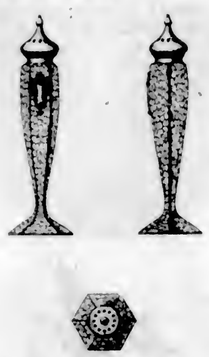
The ornamental design for a vending machine casing, as shown.

69,827. TEXTILE FABRIC. CHARLES B. FALLS, New York, N. Y., assignor to Stehli Silks Corporation, a Corporation of New York. Filed Jan. 15, 1926. Serial No. 16,072. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

69,828. SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 24, 1924. Serial No. 11,781. Term of patent 3½ years.



The ornamental design for a salt and pepper shaker substantially as shown.

69,829. COVER PAPER OR THE LIKE. WILLIAM S. FOWLER, Holyoke, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Jan. 21, 1926. Serial No. 16,202. Term of patent 14 years.

The ornamental design for cover paper or the like as shown.

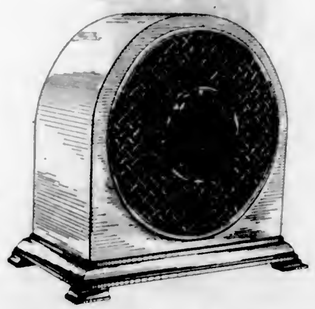
69,830. REGISTER CASING. WARREN FUHRMANN, Westfield, N. J., assignor to The Multicounter Machine Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 19, 1925. Serial No. 15,790. Term of patent 14 years.

The ornamental design for a register casing substantially as shown.

69,831. RING. MAX GOLDBERG and BENJAMIN KATZ, New York, N. Y. Filed Jan. 28, 1924. Serial No. 8,464. Term of patent 3½ years.

The ornamental design for a ring, as shown.

69,832. LOUD SPEAKER. EDWARD ALFRED GRAHAM, London, England. Filed Nov. 13, 1925. Serial No. 15,411. Term of patent 14 years.



The ornamental design for a loud speaker as shown.

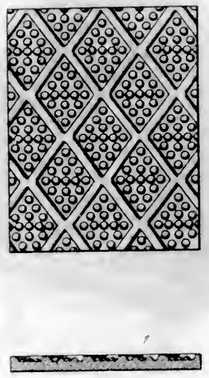
69,833. LOUD SPEAKER. EDWARD ALFRED GRAHAM, London, England. Filed Nov. 13, 1925. Serial No. 15,414. Term of patent 14 years.

The ornamental design for a loud speaker as shown.

69,834. LACE. PAUL GROEBLI, New York, N. Y., assignor to Iké Frères & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,640. Term of patent 3½ years.

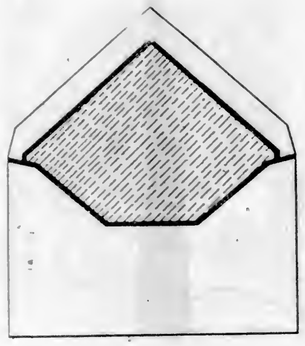
The ornamental design for lace substantially as shown

69,835. FIGURED GLASS. LEONARD F. JACKLIN, Streator, Ill., assignor to The Western Glass Company of Streator, Ill., Streator, Ill., a Corporation of Illinois. Filed Jan. 28, 1926. Serial No. 16,315. Term of patent 14 years.



The ornamental design for figured glass substantially as shown.

69,836. MAILING ENVELOPE. FRANK A. JUCKETT, West Springfield, Mass., assignor to Old Colony Envelope Company, West Springfield, Mass., a Corporation of Massachusetts. Filed June 30, 1925. Serial No. 13,959. Term of patent 3½ years.



The ornamental design for a mailing envelope as shown and described.

69,837. VANITY PURSE. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Metal Specialties, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1926. Serial No. 16,406. Term of patent 7 years.

The ornamental design for a vanity purse, as shown.

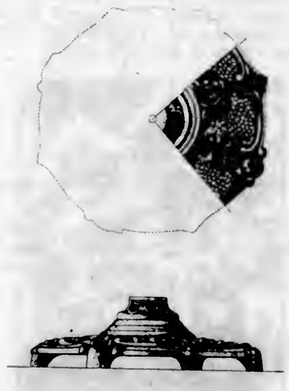
69,838. TEXTILE FABRIC. KATHARINE STURGES KNIGHT, Roslyn, N. Y., assignor to Stehli Silks Corporation, a Corporation of New York. Filed Jan. 15, 1926. Serial No. 16,086. Term of patent 3½ years.

The ornamental design for a mailing envelope as shown.

69,839. TEXTILE FABRIC. WILLIAM C. KORZINEK, Cliffside Park, N. J., assignor to Golding Bros. Company, New York, N. Y., a Corporation of New York. Filed Jan. 21, 1926. Serial No. 16,200. Term of patent 3½ years.

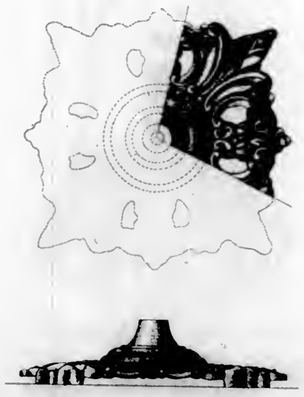
The ornamental design for a textile fabric, as shown.

69,840. LAMP BASE. THOMAS JEFFERSON LEAGUE, Chicago, Ill., assignor to Diversey Foundry Company, a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 16,209. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

69,841. LAMP BASE. THOMAS JEFFERSON LEAGUE, Chicago, Ill., assignor to Diversey Foundry Company, a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 16,210. Term of patent 3½ years.

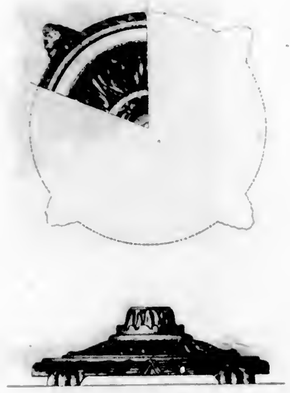


The ornamental design for a lamp base, as shown.

69,842. LAMP BASE. THOMAS JEFFERSON LEAGUE, Chicago, Ill., assignor to Diversey Foundry Company, a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 16,211. Term of patent 3½ years.

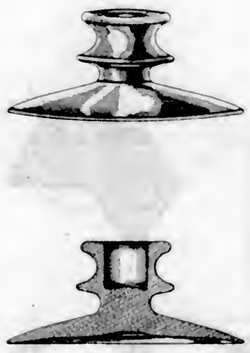
The ornamental design for a lamp base, as shown.

69,843. LAMP BASE. THOMAS JEFFERSON LEAGUE, Chicago, Ill., assignor to Diversey Foundry Company, a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 16,212. Term of patent 3½ years.



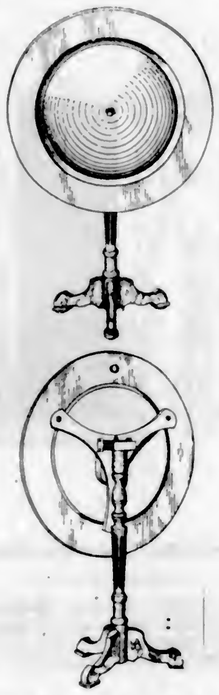
The ornamental design for a lamp base, as shown.

69,844. CANDLESTICK. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 11, 1926. Serial No. 16,020. Term of patent 14 years.



The ornamental design for a candlestick, as shown.

69,845. LOUD SPEAKER OR SIMILAR ARTICLE. RAY H. MANSON, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 5, 1925. Serial No. 15,653. Term of patent 14 years.

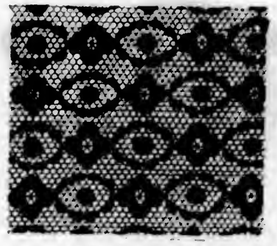


The ornamental design for a loud speaker or similar article as shown.

69,846. WRAPPING PAPER. ALLYN B. MCINTIRE, Newton, Mass., assignor to Pepperell Manufacturing Company, Biddeford, Me. Filed Nov. 30, 1925. Serial No. 15,580. Term of patent 14 years.

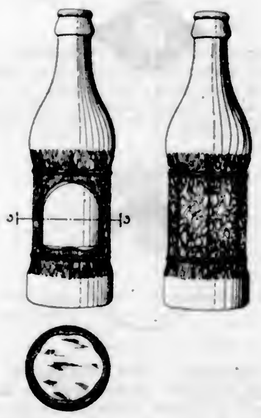
The ornamental design for wrapping paper as shown.

69,847. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 4, 1926. Serial No. 16,898. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

69,848. BOTTLE. WILLIAM R. ROOT, Terre Haute, Ind. Filed Feb. 3, 1926. Serial No. 16,387. Term of patent 14 years.



The ornamental design for a bottle as shown.

69,849. BRAID. SAMUEL ROSENBLUM, New York, N. Y. Filed Feb. 9, 1926. Serial No. 16,464. Term of patent 7 years.

The ornamental design for braid, as shown.

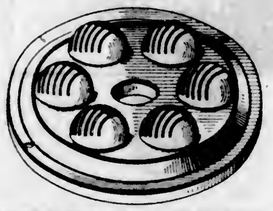
69,850. HAND BAG. LOUIS ALBERT SAMSTAG, New York, N. Y., assignor to Samstag & Hilder Bros., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 16, 1925. Serial No. 15,429. Term of patent 14 years.

The ornamental design for a hand bag as shown.

69,851. BOTTLE. ARCHIE C. SOHN, Pittsburgh, Pa., assignor to D. O. Cunningham Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 12, 1926. Serial No. 16,495. Term of patent 3½ years.

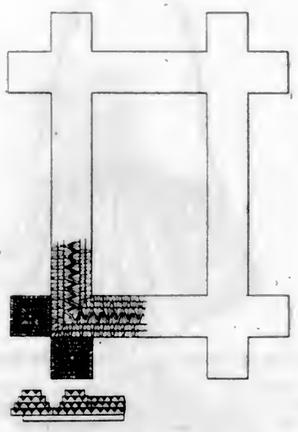
The ornamental design for a bottle, as shown.

69,852. HYDROCARBON BURNER CAP. LOUIS STOCKSTROM, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 12, 1925. Serial No. 13,751. Term of patent 14 years.



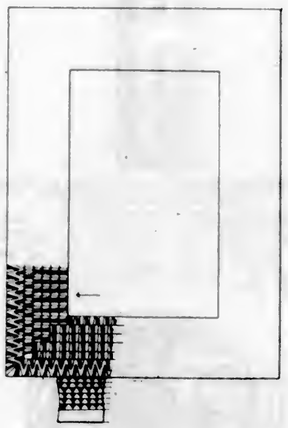
The ornamental design for a hydrocarbon burner cap as shown.

69,853. PICTURE FRAME. MICHAEL STOJAK, Brooklyn, N. Y. Filed June 13, 1922. Serial No. 2,655. Term of patent 3½ years.



The ornamental design for a picture frame, substantially as shown and described.

69,854. PICTURE FRAME. MICHAEL STOJAK, Brooklyn, N. Y. Filed June 13, 1922. Serial No. 2,656. Term of patent 3½ years.

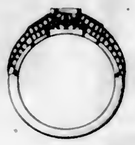


The ornamental design for a picture frame, substantially as shown and described.

69,855. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Nov. 27, 1925. Serial No. 15,550. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

69,856. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Nov. 27, 1925. Serial No. 15,551. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

69,857. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Nov. 27, 1925. Serial No. 15,552. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

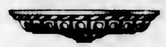
69,858. CANOPY FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 23, 1926. Serial No. 16,246. Term of patent 3½ years.

The ornamental design for a canopy for lighting fixtures, as shown.

69,859. CANDLE CUP FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,740. Term of patent 7 years.

The ornamental design for a candle cup for lighting fixtures, as shown.

69,860. BOBECHE FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,741. Term of patent 7 years.



The ornamental design for a bobeche for lighting fixtures, as shown.

69,861. COLLAR FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,742. Term of patent 7 years.

The ornamental design for a collar for lighting fixtures, as shown.

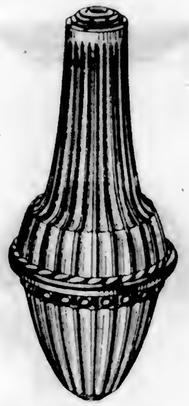
69,862. SPINDLE BOTTOM FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester & Sons, Inc, Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,743. Term of patent 7 years.

The ornamental design for a spindle bottom for lighting fixtures, as shown.

69,863. SPINDLE SHANK FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,744. Term of patent 7 years.

The ornamental design for a spindle shank for lighting fixtures, as shown.

69,864. BODY FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,745. Term of patent 7 years.



The ornamental design for a body for lighting fixtures, as shown.

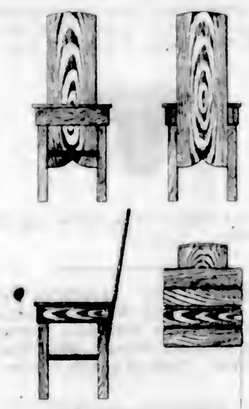
69,865. WALL PLATE FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Dec. 14, 1925. Serial No. 15,746. Term of patent 7 years.

The ornamental design for a wall plate for lighting fixtures, as shown.

69,866. COFFEEPOT OR SIMILAR ARTICLE. SAMUEL G. WILKES, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Nov. 4, 1925. Serial No. 15,336. Term of patent 14 years.

The ornamental design for a coffeepot or similar article, as shown.

69,867. CHAIR OR SIMILAR ARTICLE. ARTHUR WURDACK, Normandy, Mo. Filed Aug. 18, 1924. Serial No. 10,481. Term of patent 14 years.

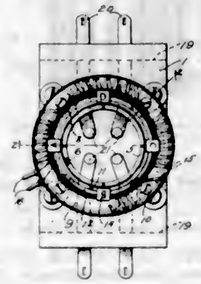


The ornamental design for a chair or similar article, as shown.

PATENTS

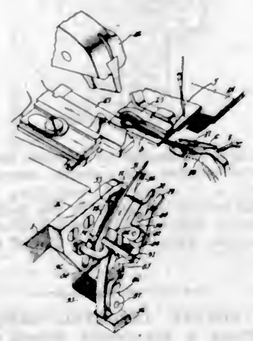
GRANTED APRIL 6, 1926.

1,579,199. CURRENT-CONTROL DEVICE. WILLIAM J. ADAMS, Irvington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1921. Serial No. 466,946. 10 Claims. (Cl. 201—49.)



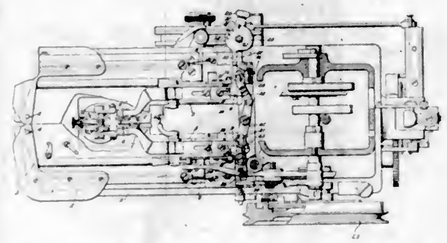
5. A vacuum tube socket comprising a base, a shell carried by the base, a sleeve, a resistance unit, brackets for supporting said resistance unit concentric with said shell, coacting means on said sleeve, and brackets for rotatably supporting said sleeve.

1,579,200. THREAD-CUTTER FOR SEWING MACHINES. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 17, 1921. Serial No. 523,056. 37 Claims. (Cl. 112—252.)



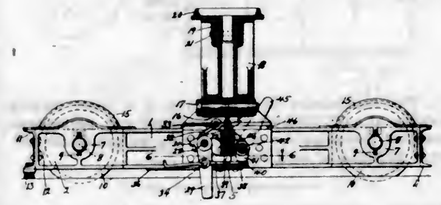
1. A sewing machine including stitch-forming mechanism, an apertured work-support, a thread-cutter including a pointed blade disposed transverse to the work-support, and means for projecting the point of said blade into said aperture but not appreciably above the upper surface of the work-support so as to graze the under surface of the work.

1,579,201. CLAMP-SPREADING MECHANISM FOR BUTTONHOLE-SEWING MACHINES. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Apr. 11, 1924. Serial No. 705,817. 6 Claims. (Cl. 112—74.)



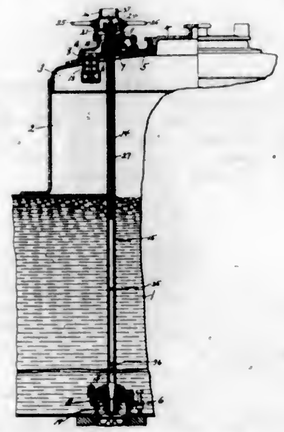
1. In a buttonhole sewing machine, the combination with the machine bed, of a work-clamp having separable sections, continuously rotating power means, automatic clamp-spreading mechanism actuated by said power means and including means interconnecting the clamp-sections for simultaneously spreading the latter, spring means for returning said sections to their unspread positions, and a manually adjustable regulator in the form of a stop disposed at the side of the machine bed and cooperatively related to said interconnecting means to limit the return movement of said sections under the influence of said spring means.

1,579,202. ERECTION TRUCK. JOSEPH H. AMES, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 17, 1922. Serial No. 561,645. 10 Claims. (Cl. 104—238.)



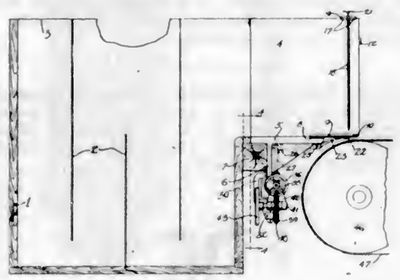
1. In a truck, spaced side frames, a bolster connecting said side frames, a driving dog for the truck carried by said bolster, a latch carried by said dog for engaging the bolster and holding the dog in an operative position, and means carried by the bolster for securing the dog in operative engagement with the bolster.

1,579,203. TANK-CAR VALVE AND GAUGE MECHANISM. WILLIAM K. AUCHINCLOSS, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 6, 1924. Serial No. 754,356. 19 Claims. (Cl. 137—21.)



13. In a structure of the character described, a cap for closing an opening in a tank dome, a hollow stem extending through said cap and rotatable therein and having an open upper end, a gauge rod sliding in said stem, and a float carried by the lower end of said rod.

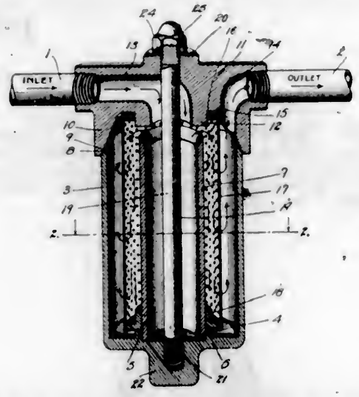
1,579,204. ADJUSTABLE APRON BOARD. EARL ELWIN BERRY, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis. Filed Dec. 15, 1923. Serial No. 680,824. 13 Claims. (Cl. 92—44.)



1. The combination with an apron of a paper making machine, of a lip forming a part thereof and mechanisms connected therewith for independently adjusting the different portions of said lip.

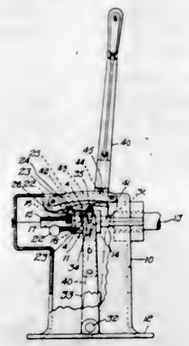
1,579,205. OIL STRAINER. GEORGE W. BLAKESLEY and WILBUR J. HEMPY, Kansas City, Mo., assignors to the Security Stove and Mfg. Co., Kansas City, Mo., a Corporation of Missouri. Filed Oct. 23, 1925. Serial No. 64,335. 4 Claims. (Cl. 210—165.)

1. In a strainer, a cap member having separate intake and outlet channels opening through its inner face, a cup member comprising a central sump having an open upper end beneath said intake channel and spaced from the cap member to permit overflow, a screen removably mounted on the sump and anchored to the cap member between the openings of the intake and outlet channels to



retain it in spaced relation with both the cup and cap members, and means for sealing the cap and cup members together.

1,579,206. SAFETY DEVICE FOR CLUTCH MECHANISMS. HELMER JOHN BOE, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 9, 1921. Serial No. 468,043. 7 Claims. (Cl. 74—39.)

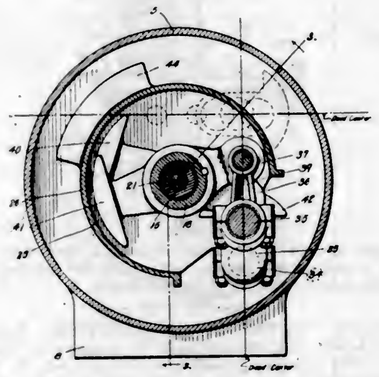


1. In a locking mechanism for clutches, the combination with a driving member and a clutch controlling member movable into a plurality of controlling positions, of means carried by and controlled by the speed of the driving member for locking the clutch controlling member against operation when set in any one of its controlling positions.

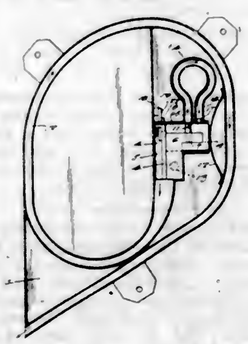
1,579,207. ROTARY INTERNAL-COMBUSTION ENGINE. FRANK A. BULLINGTON, Kansas City, Mo., assignor to Bullington Motors, Kansas City, Mo., a Common-Law Trust consisting of Solomon Stoddard, Ernest E. Howard, and Frank A. Bullington. Filed June 10, 1922. Serial No. 567,287. 7 Claims. (Cl. 123—11.)

1. In a rotary four cycle combustion motor, a cylindrical casing, pairs of pistons therein rotating about a common axis having relative movement to compress fuel charges to combustible pressures, means for igniting the compressed charges, a driven shaft, and mechanism for

connecting the pistons to the driven shaft comprising a carrier rotatable with the driven shaft, a crank shaft mounted in said carrier, connecting rods on the crank pins of the crank shaft and eccentrics connecting the connecting rods to the pistons, said eccentrics and connecting rods being disposed on one side of a plane passing through the axis of the crank shaft and through the axis of the motor.



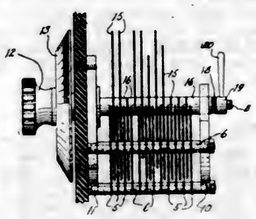
1,579,208. CHECK CARRYING AND DEPOSITING DEVICE. STEPHEN C. CASTEEL and OSCAR W. E. BROOCKMANN, Point Marion, Pa. Filed June 4, 1925. Serial No. 34,952. 6 Claims. (Cl. 194—1.)



1. A device of the class described including a casing adapted to be rotated and provided with an entrance for a token and a circuitous path for the token, a token actuated member at the entrance of the casing, means associated therewith whereby when the member is actuated by the insertion of a token it will prevent the insertion of a second token until the first token has traveled about circuitous path.

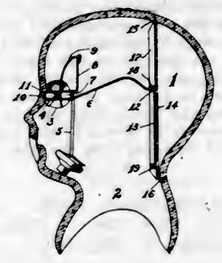
1,579,209. VARIABLE CONDENSER. HENRY P. CLAUSEN, Mamaroneck, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1923. Serial No. 676,029. 8 Claims. (Cl. 250—41.)

1. In a condenser, a plurality of stationary plates, a rotary shaft, a plurality of rotatable plates upon said shaft, a variable capacity condenser member including certain of said stationary plates, and certain of said



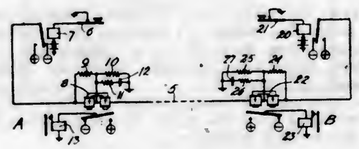
rotatable plates, and a fixed capacity condenser member including the remainder of said stationary plates and the remainder of said rotatable plates.

1,579,210. EYE-SUPPORTING UNIT FOR DOLLS. AARON COHN, Toronto, Ontario, Canada. Filed May 1, 1925. Serial No. 27,202. 3 Claims. (Cl. 46—40.)



1. The combination with a hollow doll's head having an opening through the neck, of a pair of eyes, a bridge for retaining said eyes in their sockets consisting of a horizontally extending bar having a downwardly turned extension at its rear, the wall of the aforesaid head having an indenture provided in its forward portion receiving the frontal extremity of said bar, a substantially upright bridge support, means for attaching the support to the wall of the head, a shoulder formed on said support for abutment with the bight of the extension, and a projection for bending over its lower end.

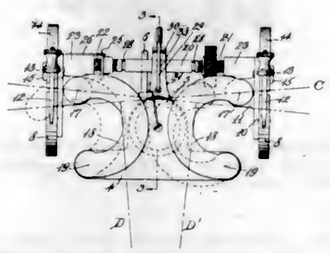
1,579,211. TELEGRAPH SYSTEM. GEORGE C. CUMMINGS, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 15, 1923. Serial No. 639,043. 3 Claims. (Cl. 178—58.)



1. In a duplex telegraph system, a line, a relay having two windings connected in series opposing with said line, a resistance in shunt of one of said windings to regulate the current flowing in said winding to normally maintain the relay in one position, but rendering the other of said windings effective on the receipt of an incoming impulse to reverse the position of the relay, a resistance equal to that of the average length of line in series with said

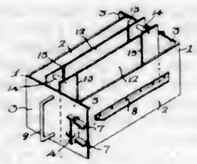
resistance, and a resistance and condenser in bridge of the last-mentioned resistance for taking care of normal surges into the line.

1,579,212. ELECTRICAL APPARATUS. WILLIAM C. DEE, Cleveland, Ohio. Filed July 31, 1919. Serial No. 314,532. 4 Claims. (Cl. 250—34.)



4. Apparatus for producing stereoscopic X-ray photographs, comprising a support, a tube carrying frame mounted upon said support for movement in a definite path to either of two positions separated by the pupillary distance, means whereby movement of said frame along said path from one position to the other automatically tilts the tube to cause its substantial beam of rays in said two positions to converge to a point, and adjusting means for varying the tilting effect whereby the beams in the two positions may be caused to converge to different points at different distances from the tube.

1,579,213. BUILDING-BLOCK FORM. ROSCO DILLE, Chesterton, Ind. Filed Mar. 19, 1923. Serial No. 626,092. 9 Claims. (Cl. 25—121.)



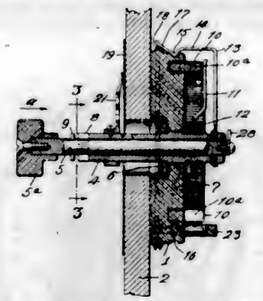
1. In building forms, a pair of enclosing block members each member having duplicate dimensioned and integrally formed sides and ends, means for detachably holding said duplicates assembled with a side and end in engagement with each other, an air space member, and positioning means on the ends of the block members for holding the air space member.

1,579,214. CAST-IRON CAR WHEEL. JULE M. KELLER, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 14, 1925. Serial No. 50,313. 4 Claims. (Cl. 295—30.)

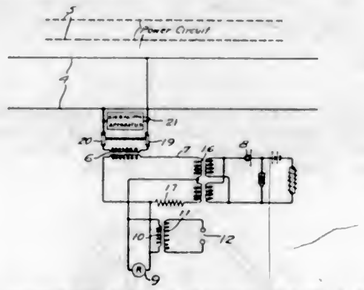
4. A cast iron car wheel having a chilled tread portion containing from 3% to 4% of combined carbon and from .6% to 3.5% of copper.

1,579,215. RHEOSTAT. MORRIS KLOSNER, New York, N. Y. Filed Mar. 3, 1922. Serial No. 540,783. 14 Claims. (Cl. 201—55.)

1. In a rheostat, a helically wound resistance element, a single turn resistance element and a contact member in permanent contact with the wound resistance element and a tubular shaft connecting said contact member, a contact member in detachable engagement with the single turn resistance element, a reciprocative shaft extended through said tubular shaft and secured to said last named contact member, and means for rotating said shafts either in unison or independently.

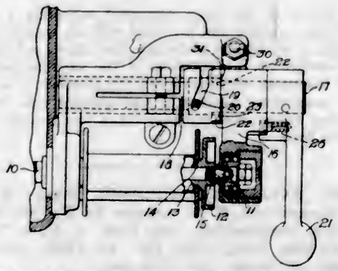


1,579,216. VOLTAGE-LIMITING DEVICE. WILLIAM A. KNOOP, East Northport, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 22, 1922. Serial No. 576,682. 7 Claims. (Cl. 179—78.)



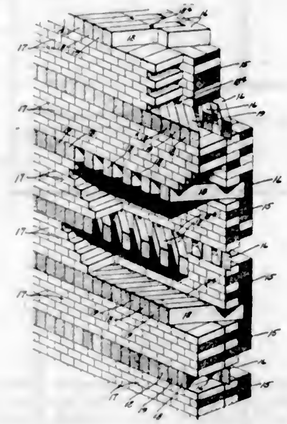
1. In combination, a line, a telephone receiver, a step-up transformer having a low voltage winding connected effectively in shunt to said receiver and a high voltage winding, and means associated with said high voltage winding for closing the circuit thereof when the potential therein exceeds a predetermined value.

1,579,217. STRAND OR CORD WORKING MECHANISM. FREDERIC S. KOCHENDORFER, River Forest, and JOHN N. SELVIG, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed July 31, 1920, Serial No. 400,301. Divided and this application filed Mar. 6, 1923. Serial No. 623,203. 6 Claims. (Cl. 242—130.)



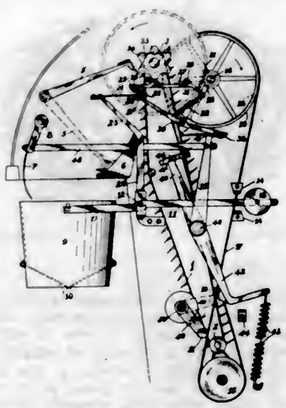
1. In a strand or cord working machine, a spool, means for supporting the spool, a movable support therefor, an actuating element for moving said support, and controlling means for said actuating element so designed that the support is moved longitudinally and laterally of the spool by said actuating element.

1,579,218. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn. Filed Aug. 3, 1925. Serial No. 47,818. 12 Claims. (Cl. 72—102.)



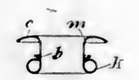
1. A wall structure including a permanent wall and a replaceable wall, said replaceable wall including obliquely set blocks or bricks extended into the permanent wall and seated therein.

1,579,219. AUTOMATIC WEIGHING SCALE. ARTHUR LOWNDES, Toronto, Ontario, Canada. Filed July 6, 1925. Serial No. 41,762. 19 Claims. (Cl. 249—4.)



1. In an automatic weighing scale of the class described, a sale beam, a movable member, a depressible member carried by said beam so arranged that by the floating of the beam it is swung into the path of said movable member which depresses it thereat; a driving unit, a driven unit connected therewith, and mechanism operable by the depressible member for disconnecting the driven from the driving unit.

1,579,220. HOOK AND EYE AND METHOD OF SETTING THEM. EMIL LUMBECK, Elberfeld, Germany, assignor to the Firm of Stock & Co., Elberfeld-Sonnborn, Germany. Original application filed July 16, 1924, Serial No. 726,357. Divided and this application filed Aug. 27, 1925. Serial No. 52,851. 20 Claims. (Cl. 24—141.)

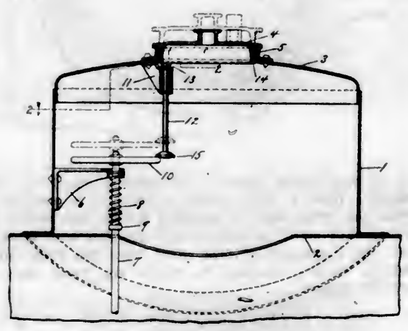


1. An eyelet having a cylindrical shank bulged at one end, the free edge of the bulged portion being turned inwardly to reinforce the same against subsequent rolling.

1,579,221. EYELET AND METHOD OF MAKING SAME. EMIL LUMBECK, Elberfeld, Germany, assignor to the Firm of Stock & Co., Elberfeld-Sonnborn, Germany. Original application filed July 16, 1924, Serial No. 726,357. Divided and this application filed Aug. 27, 1925. Serial No. 52,852. 11 Claims. (Cl. 24—141.)

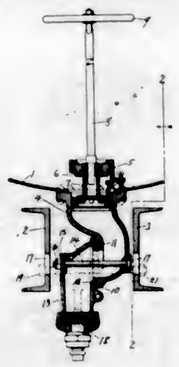
1. An eyelet or like fastening device having a tubular shank with a head flange at one of its ends and an internal reinforcement at its opposite end.

1,579,222. INDICATOR FOR TANK-CAR VALVES. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 29, 1921. Serial No. 481,376. 7 Claims. (Cl. 137—21.)



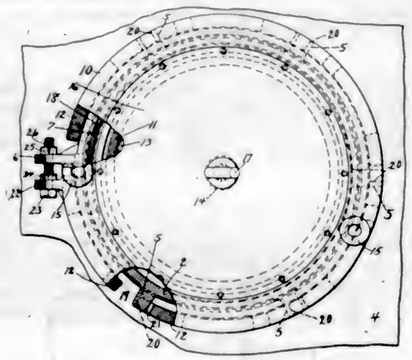
3. In a tank car, a longitudinally movable valve operating mechanism comprising a hand wheel and means engaged by said hand wheel to prevent the closing of the manhole cover.

1,579,223. DISCHARGE OUTLET FOR TANK CARS. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1921. Serial No. 499,504. 15 Claims. (Cl. 137—21.)



2. In a tank car, sills, a discharge outlet having a swiveled portion adapted to project below said sills and means adapted to hold said swiveled portion in raised position.

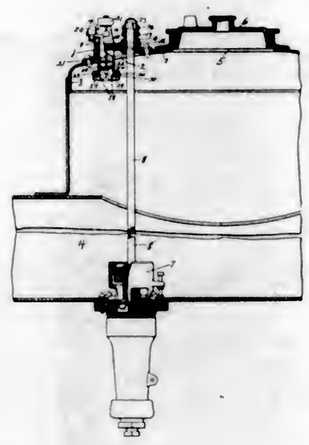
1,579,224. TANK-CAR-DOME CLOSURE. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 29, 1921. Serial No. 511,461. 5 Claims. (Cl. 220—55.)



4. A tank dome closure comprising a manhole cover rotatable from a fully closed position to a position in which the cover may be partially raised and means for locking said cover in fully closed position adjustable to limit the movement of said cover from the fully closed position to the position in which the cover may be partially raised.

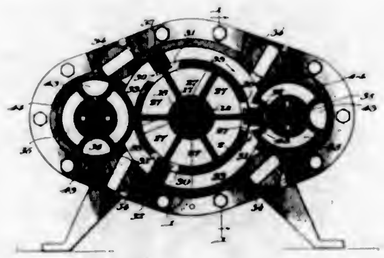
1,579,225. TANK-VALVE MECHANISM. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 15, 1922. Serial No. 568,509. 11 Claims. (Cl. 137—21.)

5. In a car tank having a discharge valve at the bottom thereof, a dome head having an opening therein, a member secured to said dome head about said opening, a valve casing mounted in said member, an air inlet valve mounted in said casing and adapted to operate



upon operation of said discharge valve, means adapted to yieldingly hold said valve to its seat and operating means for said discharge valve mounted in said member.

1,579,226. ROTARY ENGINE. PAUL H. MACNEILL, deceased, late of Evansville, Ind.; by Ora MacNeill, executrix, Cannelton, Ind., assignor, by direct and mesne assignments, of one-fourth to Henry R. Carroll and one-fourth to John W. Phares, Vanderburg County, Ind. Filed Nov. 15, 1923. Serial No. 674,926. 4 Claims. (Cl. 121—71.)

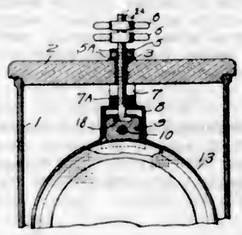


In a rotary engine, the combination with a rotor cylinder, having exhaust ports and provided with intake ports at its ends or heads, of a rotor in said cylinder which is provided with a plurality of interior compartments circularly arranged in relation to the axis of the rotor, each open at one end and closed at the other end, the open and closed ends being arranged in alternation at each end of the rotor, ports being provided in the periphery of the rotor which afford communication between the compartments and the cylinder, fixed vanes carried by the rotor between the outlet ports of adjacent compartments of said rotor, and independent steam chests having ports adapted for admitting steam to the compartments at opposite ends of the rotor, said steam chests being adapted for independent use to determine the direction of revolution of the rotor.

1,579,227. WARP CLAMP FOR LOOM BEAMS. CARL L. MANGUM, Birmingham, Ala. Filed Apr. 28, 1924. Serial No. 709,693. 8 Claims. (Cl. 28—22.)

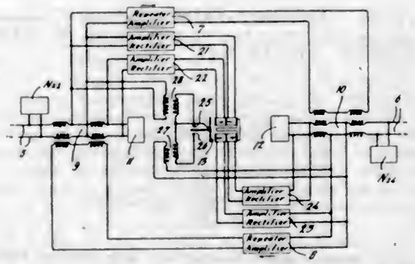
1. A warp clamp for loom beams, comprising a rigid inner member having means to detachably engage the marginal portion of the beam heads, a rigid outer member, and a spring clamp element adapted to detachably interlock said inner and outer clamp members and clamp in warpthreads between them.

1,579,228. PRIMARY CELL AND ELEMENT THEREOF. MARTIN L. MARTUS, Woodbury, and JAMES G. ROSS and EDMUND H. BECKER, Waterbury, Conn. Filed May 24, 1923. Serial No. 641,210. 13 Claims. (Cl. 136—115.)



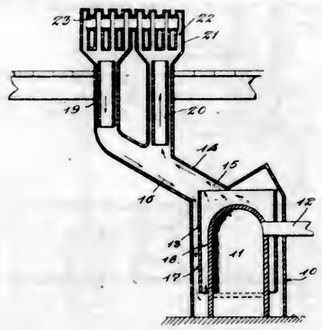
1. In an electric cell, a disk-like electrode and means for suspending the same, said means comprising a flexible band encircling the disk-like electrode peripherally, means connected to the band arranged to exert a pull thereon radially with respect to said disk-like electrode, and means arranged to exert pressure on the disk-like electrode and cooperating with means exerting the pull to tighten the band around said disk-like electrode.

1,579,229. ELECTRIC-CURRENT TRANSMISSION. ROBERT C. MATHES, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1923. Serial No. 667,438. 11 Claims. (Cl. 179—170.)



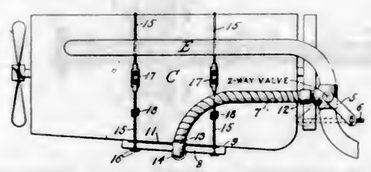
1. A transmission system comprising two circuits, two oppositely directed unilaterally transmitting repeating paths, means connecting said paths to said circuits and connecting said paths in conjugate relation to each other, and means responsive to potentials produced on said first mentioned means by amplified currents from said repeating paths for controlling transmission in said system.

1,579,230. CLOSED HOT-AIR HEATING SYSTEM. THEODORE F. MEINHARDT, GEORGE IRVING RAY, and GILBERT G. RAY, Charlotte, N. C. Filed Mar. 27, 1924. Serial No. 702,373. 2 Claims. (Cl. 237—53.)



1. A closed hot air heating system including a hot air furnace, an air circulating flue rising therefrom, a radiator having air supply and outlet pipes in communication with the said air circulating flue at spaced points in the length of the latter, and a drum in the air heating space of the furnace dividing the same into separate air spaces in communication with one another at the lower portion of the furnace, and in communication at their upper ends with the said air circulating flue.

1,579,231. OIL HEATER FOR INTERNAL-COMBUSTION ENGINES. CLYDE B. MILLER, Piqua, Ohio. Filed Mar. 5, 1924. Serial No. 697,045. 6 Claims. (Cl. 184—104.)



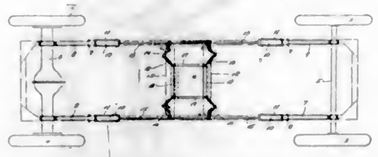
1. The combination with an oil container, of a pan provided with an open top and with means for holding a part of the open top spaced from the bottom of the oil container, and means to conduct a heating fluid into said pan, whereby said heating fluid passes into direct contact with said bottom of the casing for heating the latter and thereby melting congealed oil within the oil container.

1,579,232. ELECTRIC SWITCHING DEVICE. JOHN L. MILTON, Louisville, Ky., assignor to Cheatham Electric Switching Device Company, Louisville, Ky., a Corporation of Kentucky. Filed Apr. 17, 1922. Serial No. 554,299. 2 Claims. (Cl. 170—337.)

1. In an electromagnet, comprising a magnetic plunger, a magnetic cylinder shell included in the magnetic path of the flux of said electromagnet, a central non-magnetic tube mounted therein and sealed in the ends

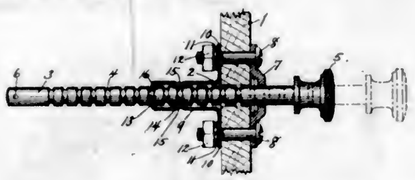
of said shell with closures, two adjacent similar windings disposed directly on said tube and pole pieces disposed on said tube, between and at the ends of said coils and out of contact magnetically and structurally with the shell, said tube having an open end through which passes a non-magnetic connection from the plunger to the device to be operated.

1,579,233. COMPENSATING SPRING SUSPENSION FOR VEHICLES. ARTHUR R. MISKIN, Ucon, Idaho. Filed Feb. 9, 1924. Serial No. 691,713. 5 Claims. (Cl. 280—104.)



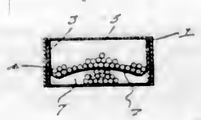
1. In a compensating apparatus for the suspension system of a land vehicle, the combination of body-supporting springs individual to the road wheels, and compensating connections between, and uniting, the several springs, including a floating parallelogram linkage, to which each spring is connected.

1,579,234. DASH CONTROL. CLAUDE FRANK NEWMAN, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 14, 1923. Serial No. 638,768. 14 Claims. (Cl. 74—39.)



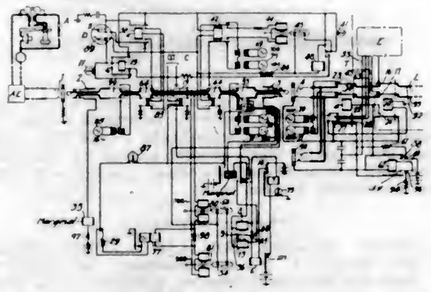
1. In combination, a support, a rod having annular grooves slidably mounted in said support and a folded spring strip secured to said support and having projections formed therein adapted to engage said grooves.

1,579,235. MATCH BOX. DOMINICK NIGRO, Camp Meade, Md. Filed Dec. 30, 1924. Serial No. 758,844. 2 Claims. (Cl. 206—33.)



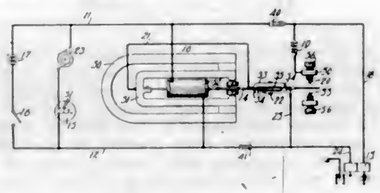
1. A match box comprising a substantially rectangular receptacle, the bottom thereof being formed of paper, the ends of the piece of paper being folded over the respective sides of the receptacle, and cemented thereto, said bottom of the receptacle being spaced from the lower edges of the sides and ends of the receptacle, a casing for slidably receiving the receptacle, the paper bottom of the receptacle and the bottom of the casing cooperating to provide a compartment for receiving burnt matches.

1,579,236. TELEPHONE-EXCHANGE SYSTEM. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,616. 25 Claims. (Cl. 179—27.)



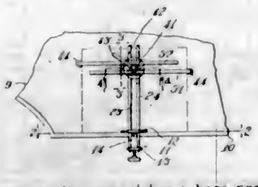
1. In a telephone exchange system, a called station, means for supplying alternating current impulses, a plurality of vibratory relays directly energized by said alternating current impulses, means controlled by said relays for establishing a connection with said called station, and means for giving supervision back from the called station.

1,579,237. SWITCHING DEVICE. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1922. Serial No. 597,765. 5 Claims. (Cl. 200—91.)



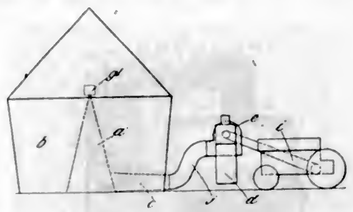
1. In a relay structure, an operating winding, an armature therefor, a plurality of contacts associated with said armature, one of said contacts being operated upon application of direct current to said winding, and another contact being operated upon application of alternating current to said winding.

1,579,238. LUGGAGE CARRIER. WILLIAM V. OSBORNE, Racine, Wis. Filed Dec. 17, 1921. Serial No. 522,980. 8 Claims. (Cl. 224—29.)



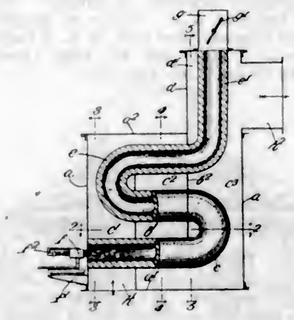
1. A luggage carrier comprising a base provided with a pair of plates to hold said base on a support, a pair of uprights carried by the base, a slidable member comprising co-operating plates between which the uprights extend, a pair of carrier arms extending through the slidable member and supported thereby, a bolt extending through the co-operating plates, and a nut mounted on the bolt to retain the slidable member and carrier arms in fixed position.

1,579,239. METHOD AND APPARATUS FOR DRYING CROPS ARTIFICIALLY. BRYNAR JAMES OWEN, Oxford, England. Filed Feb. 27, 1925. Serial No. 12,048. 4 Claims. (Cl. 34—26.)



2. Apparatus for drying crops artificially, comprising a structure adapted to exclude the material to be treated, said structure being shaped and dimensioned relatively to a predetermined form of stack so as to form within the material a hollow central chamber conforming at its base to the shape of the base of the stack and having its sides sloped inwardly in relation to the general shape and dimensions of the stack thereby to increase the thickness of material around said chamber as the pressure on the material at varying heights decreases from the base toward the top of the stack and to equalize the resistance of the stack to blasts of air, and means for delivering heated air under pressure and at a reduced velocity to the lower end of said structure.

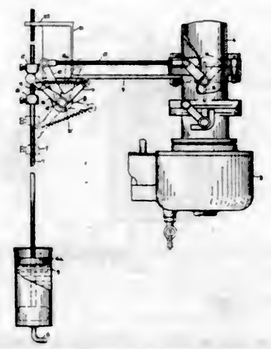
1,579,240. AIR-HEATING APPARATUS. BRYNAR JAMES OWEN, Oxford, England. Filed Feb. 27, 1925. Serial No. 12,049. 7 Claims. (Cl. 126—116.)



1. An air-heater of the type set forth, comprising a chamber partitioned off to form a number of compartments, a sinuous heating pipe disposed transversely in relation to the partition plates forming the various compartments of the heater, said heating pipe traversing the said partition plates and passing across the said compartments successively and repeatedly and comprising a number of substantially straight portions which extend in turn across all the compartments in approximately parallel formation and which are inter-connected alternately in the end compartments by means of suitable bends, thereby forming along each compartment a series of hot spots the heat-intensity whereof progressively decreases and increases alternately in the said compartments.

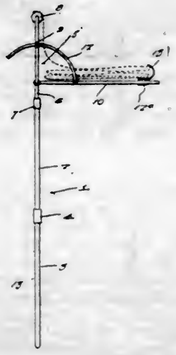
1,579,241. LEVEL INDICATOR AND FUEL CONTROL. GEORGE J. PAPASHVILI, Detroit, Mich. Filed July 21, 1924. Serial No. 727,181. 3 Claims. (Cl. 137—139.)

1. In a device of the character described, the combination with an internal combustion engine, of a reservoir supplying lubricant to said engine, a throttle controlling the delivery of fuel to said engine, a float arranged to rise and fall with variations in the lubricant level in said



reservoir and means for abruptly shifting said throttle to its open or closed position according as said float is in a predetermined raised or lowered position.

1,579,242. PAPER-HANGING DEVICE. ROBERT PARKS, McDonald, Pa. Filed Aug. 31, 1925. Serial No. 53,676. 4 Claims. (Cl. 216—7.)

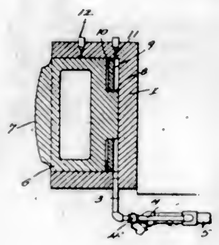


1. In a paper hanging device of the class described, a support having a frame at its top, a roller mounted for rotation on said frame, a shelf pivotally mounted on said frame, and a slide carried by said shelf.

1,579,243. MAILING TUBE. FRANK M. PEARSON, Chicago, Ill. Filed May 11, 1923. Serial No. 638,347. 1 Claim. (Cl. 229—93.)

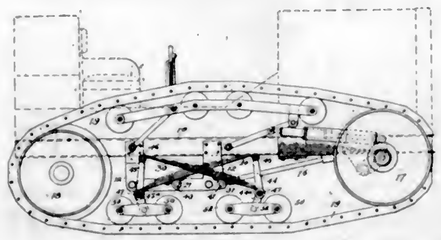
In combination, a mailing tube and a clip comprising a strip of irresilient metal having one end fastened to the tube and the other end projecting beyond the end of the tube and bent to form a closed loop, whereby the loop end of the strip can be bent inwardly into contact with the inner periphery of the tube.

1,579,244. LOCOMOTIVE SLACK ADJUSTER. ALFRED A. PEDNEAU, Mobile, Ala. Filed July 9, 1925. Serial No. 42,482. 1 Claim. (Cl. 213—221.)



As a new article of manufacture, a pneumatic cushioning and thrust device for connection with the under frame of a locomotive tender comprising a plate formed with an integral cup adapted to function as a cylinder, a valved air supply pipe connected with said cup, a hollow piston slidable in said cylinder, said piston having its outer end formed with a rounded protuberance adapted to contact a buffer plate, and being formed on its inner end with a centrally located boss, and a packing ring surrounding the boss and having fluid tight contact with the wall of said cylinder, said boss being of a length to space the inner end of the piston from the corresponding end of the cylinder.

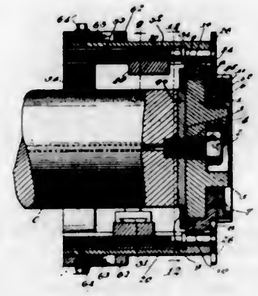
1,579,245. SPRING SUSPENSION FOR TRACK-LAYING TRACTORS. GORDON R. PENNINGTON, Cleveland, Ohio. Filed Nov. 13, 1919, Serial No. 337,708. Renewed Aug. 9, 1923. 13 Claims. (Cl. 305—9.)



1. In vehicle spring suspension, the combination with the main frame of two rockers which are pivotally connected respectively with the main frame at points located one in advance of the other, a device connecting the front ends of both rockers, another device connecting the rear ends of both rockers, and wheels rotatably mounted on said two devices one of said rockers or frames being a resilient member.

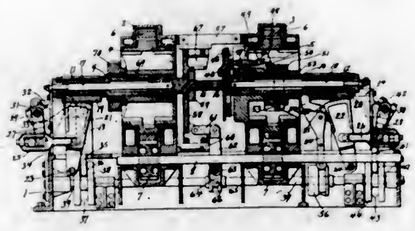
1,579,246. MACHINE FOR TRUING ENGINE CRANK PINS OR SHAFT-END BEARINGS. MICHAEL REDMOND, Cleveland, Ohio. Filed May 26, 1924. Serial No. 716,005. 11 Claims. (Cl. 82—4.)

1. A machine for the purpose described comprising a circular plate having a hub, means by which the plate is rigidly secured to the article to be trued, a casing of such shape to engage both the periphery and hub of the plate, means secured to the casing for retaining it upon the plate, a tool, means carried by the casing in



respect to which the tool is movable, said means including a rail, means including a feed screw for moving the tool along the rail, means including a tripper which is supported in a relatively fixed position by said plate, means including a star wheel carried by the feed screw for periodically engaging the tripper, and means supported by said fixed plate operating to turn the casing in respect thereto whereby to move said tool around said article and cause the aforesaid periodic engagement of the star wheel.

1,579,247. SPRING-COILING MACHINE. JOHN M. ROHLFING, Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 17, 1922. Serial No. 554,320. 55 Claims. (Cl. 153—67.)

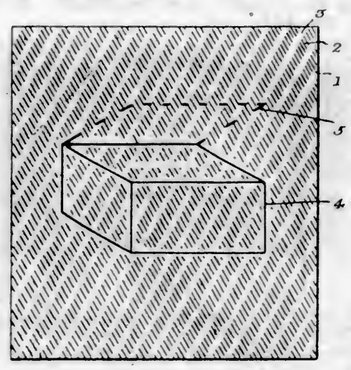


1. In a spring coiling machine, a rotatable head, means to rotate said head, a continuously operating shaft, means operated by said shaft to effect the connection of said head and head operating means and means operated by the rotation of said head to stop the rotation of said head.

1,579,248. PROCESS OF MANUFACTURE OF ACETIC ANHYDRIDE AND ALDEHYDE. GUSTAVE JEAN ROY, Lyon, France, assignor to Societe Chimique des Asines du Rhone, Paris, France. Filed July 10, 1925. Serial No. 42,827. 5 Claims. (Cl. 260—123.)

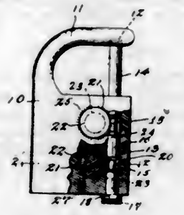
1. A process for the manufacture of acetic anhydride and aldehyde by decomposition of ethylidene diacetate, characterized by the use as decomposition catalyst, of a halogenated zinc derivative.

1,579,249. CHANGING PICTURE. HENRY M. RUSSELL, Wheeling, W. Va. Filed July 20, 1923. Serial No. 652,791. 12 Claims. (Cl. 40—137.)



1. In a changing picture, two views, one depicted in contrast between light surface and dark surface, and one depicted in contrast between dull surface and glossy surface.

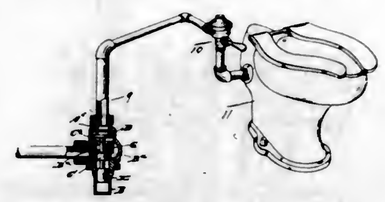
1,579,250. PERMUTATION LOCK. FRANK SCHARA, Kansas City, Mo., assignor, by meane assignments, to Schara Manufacturing Corporation, Kansas City, Mo., a Corporation of Missouri. Filed Nov. 18, 1922. Serial No. 601,735. 3 Claims. (Cl. 70—113.)



1. In a lock of the character described, a body case having a bore formed therein, a bolt slidable in the bore and revoluble therein at times, said bolt having a circumscribing groove and a flat face parallel to its axis extending from the groove a distance longitudinally, a rotatable cylindrical tumbler mounted in the body with its periphery adapted to extend into said groove and having a notch to aline with said bore at times, means to retain the tumbler, and a retainer for the bolt positioned to engage in the groove and closely adjacent the flat face for the purposes described.

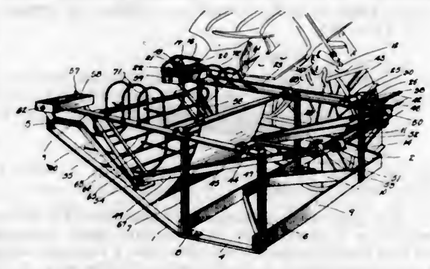
1,579,251. REGULATING VALVE. FREDERICK A. SCHOSSOW, Detroit, Mich. Filed May 20, 1925. Serial No. 31,512. 6 Claims. (Cl. 137—152.)

5. In a device of the character described; a valve body having a lateral inlet an opening and a vertical discharge opening; a chambered portion screwed into the valve body having port openings for the passage of water from said inlet opening to the discharge opening; a weighted piston valve movable within the chambered portion for regulating the size of said port-openings, said piston-valve having a piston located above the lateral inlet opening and provided with an opening for the passage of the water and actuated by the pressure



of water applied to the piston resulting from the passage of the water through the valve body; and means for limiting the movement of said piston-valve.

1,579,252. GRAIN SHOCKER. DANIEL A. SHOEMAKER, Wichita, Kans. Filed June 9, 1924. Serial No. 718,827. 9 Claims. (Cl. 56—419.)

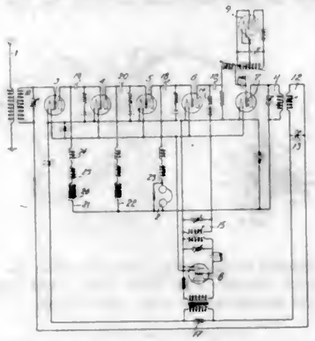


1. A shocker attachment for harvesters and binders comprising a frame, a shaft on the frame, means for constantly rotating the shaft when the shocker is in operation, a rock shaft on the frame, means for intermittently operating the rock shaft with the constantly rotating shaft so that the rock shaft will partake of the motion of the constantly rotating shaft, pivoted bundle receiving members carried by the frame, means connecting the bundle receiving members with the rock shaft to impart an up and down swinging motion to the bundle receiving members, other means connecting the bundle receiving members to the rock shaft for imparting a laterally swinging motion to the bundle receiving members concurrent with the up and down motion of said members, and butt receiving means in front of said bundle receiving members.

1,579,253. RECEPTION OF SIGNALS. EMANUEL SINGER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 21, 1923. Serial No. 640,289. 3 Claims. (Cl. 250—20.)

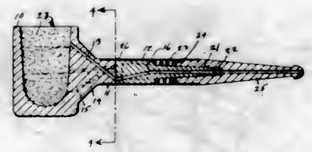
1. In a receiving system, a circuit for receiving a high frequency wave modified by a signal, a space discharge device having a grid circuit and a space-current supply circuit, for amplifying said wave, means to reduce the frequency of the amplified wave to an intermediate frequency, means to apply said wave of intermediate frequency to the grid circuit of said device for further amplification, means to reduce the resulting amplified wave to the signal frequency level, means to apply the wave of the signal frequency to the grid circuit of said device for further amplification, and a plurality of choke coils in series in said space-current supply circuit, said coils

being so proportioned as to form a path of high impedance to waves of said high frequency, of said inter-



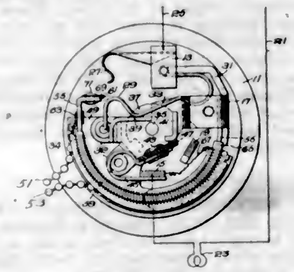
mediate frequency and of said signal frequency, respectively.

1,579,254. PIPE. ARMAND SMITH, Portland, Oreg. Filed June 1, 1925. Serial No. 33,916. 4 Claims. (Cl. 131—12.)



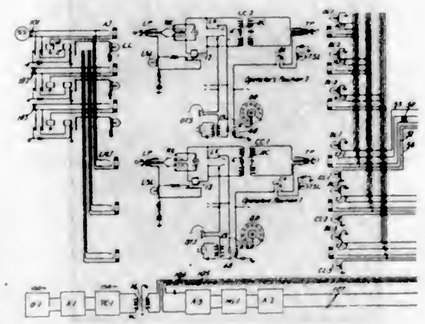
1. In a pipe, the combination of a bowl having a shank and having a plurality of holes in said shank opening into said bowl at different altitudes; and a rotatable stem on said shank having a single opening therein adapted to register with one of said holes at a time.

1,579,255. AUTOMATIC SWITCH. RAYMOND D. SMITH, Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1922. Serial No. 569,856. 10 Claims. (Cl. 200—122.)



1. In an electric switch, the combination with a bimetallic thermostatic control member curvilinear in shape, a winding for electrically heating the same, a detent plate overhanging the free end of said thermostatic member and disposed in a plane transverse to the plane of flexural movement of said thermostatic member, a switch member with means for moving the same, said detent plate lying normally in the path of movement of said switch member, and means to adjust said detent plate on the control member to vary the extent to which it normally engages with said switch member.

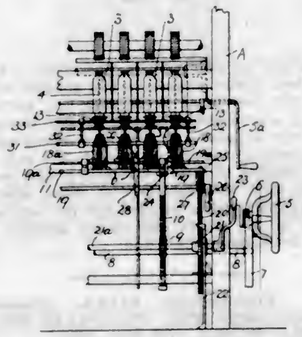
1,579,256. CARRIER-WAVE COMMUNICATING AND SWITCHING SYSTEM. EDWIN H. SMYTHE, Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 9, 1923. Serial No. 673,631. 51 Claims. (Cl. 179—15.)



12. In a carrier wave communicating system, a plurality of carriers, multiplex lines each having superposed thereon a carrier channel having an incoming branch and an outgoing branch, said branches employing modulated waves of differet frequencies, a common permanent connection between all of the incoming channel branches, and all of the outgoing channel branches, and means for selectively shifting the frequency of the modulated waves of the incoming channel branch of any of said lines to direct the modulated waves to the outgoing channel branch of any desired one of said other lines.

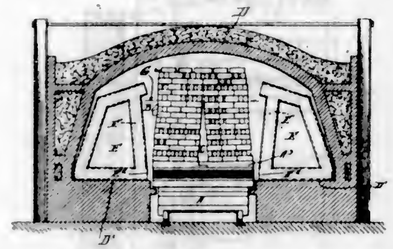
33. The method of effecting a relatively small change in the frequency of a carrier side band which consists in modulating the side band with two high frequencies the frequency difference between which is equal to the amount by which the carrier side band is to be shifted in the frequency scale.

1,579,257. DOFFING MECHANISM FOR CAP SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES. ALFRED STELL, JOHN STELL, and HENRY WELCH, Keighley, England, assignors to Hall and Stells Limited, Keighley, England. Filed Feb. 13, 1924. Serial No. 692,516. 9 Claims. (Cl. 118—18.)



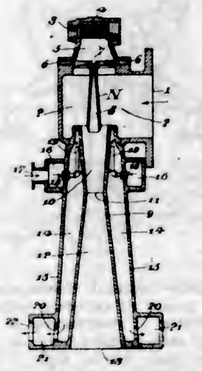
1. The method of doffing for cap spinning, doubling, twisting and like machines, consisting of first removing the caps from the spindles, placing empty bobbins on the spindles above the full bobbins, returning said caps to receive the spindles and empty bobbins and then moving said empty bobbins into said caps.

1,579,258. LOADING KILN CAR. LUTHER T. STROMMER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed May 12, 1921. Serial No. 468,829. 1 Claim. (Cl. 25—142.)



In firing bricks or analogous ware in tunnel kilns, the method of loading brick or analogous ware to be fired on a kiln car comprising a ware supporting platform which consists in arranging the lower portion of the ware on each car in columns resting on the car platform and separated by a longitudinally extending space at the center of the car, and in placing the remainder of the load on the tops of said columns to form a cap tying the upper ends of said columns together.

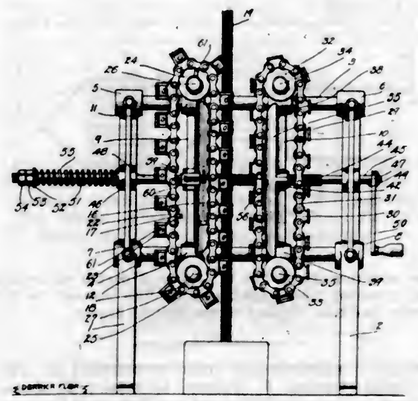
1,579,259. METHOD OF AND APPARATUS FOR COMPRESSING ELASTIC FLUID. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1921. Serial No. 453,111. 28 Claims. (Cl. 230—13.)



1. The method of raising the pressure of steam, which consists in expanding motive steam into jet formation, entraining thereby the steam whose pressure is to be increased, compressing the mixture of motive and entrained steam by conversion of velocity into pressure, and cooling said mixture while decreasing in velocity.

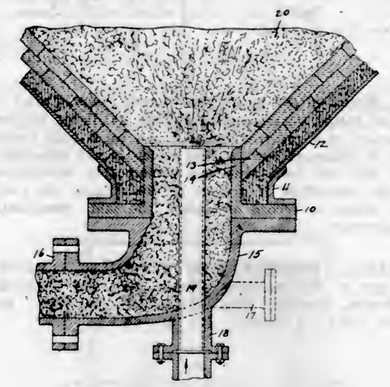
1,579,260. CABLE-MEASURING DEVICE. DAVID M. TILLER, Kansas City, Mo., assignor to S. H. Hale, Kansas City, Mo. Continuation of application Serial No. 707,399, filed Apr. 18, 1924. This application filed Mar. 2, 1925. Serial No. 12,692. 8 Claims. (Cl. 33—134.)

3. A cable measuring device comprising supporting trusses, guide shafts connecting the trusses, brackets sleeved on the guide shafts, one of the brackets being fixed relative to the other, means for yieldingly urging the other bracket toward the first named bracket, end-



less belts movably mounted on the brackets, jaws on the belts for clamping a cable between them, and register mechanism operable from one of the belts.

1,579,261. DIGESTER. JOHN W. VAN ALSTYNE, Vancouver, Wash. Filed Oct. 3, 1925. Serial No. 60,328. 3 Claims. (Cl. 92—7.)

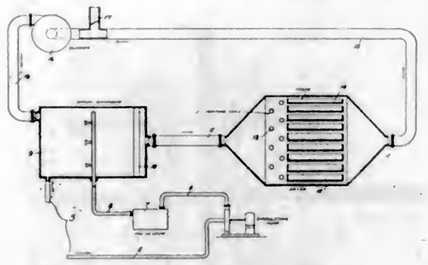


2. A digester for making sulfite pulp consisting of a container for said pulp having a conical bottom formed therein; having a discharge fitting at the lower end of said conical bottom; and a steam inlet pipe projecting upwardly through said fitting and discharging near the lower end of said conical bottom above said fitting.

1,579,262. PROCESS FOR DRYING SMOKELESS POWDERS. JAMES C. VICKERY, Evansville, Ind., and Merle H. Davis, Fort Bragg, N. C. Filed Feb. 29, 1924. Serial No. 695,035. 3 Claims. (Cl. 34—24.)

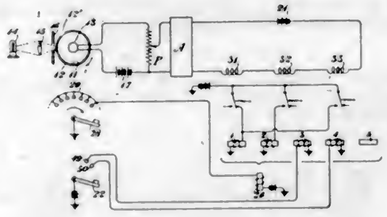
3. The method of removing solvent from smokeless powder which includes heating a desired amount of sol-

vent, spraying the hot solvent into a gaseous carrier to partially saturate the same, raising the temperature of the gaseous carrier and passing it over the powder and



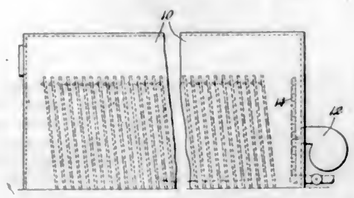
then restoring the carrier to a state of partial saturation and repeating the operation until the solvent in the powder has been reduced to the desired degree.

1,579,263. ELECTRICAL TRANSMISSION OF PICTURES. EDWARD F. WATSON, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 26, 1924. Serial No. 702,115. 4 Claims. (Cl. 178—6.)



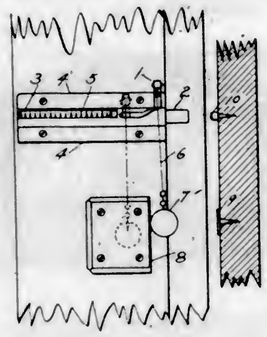
1. Means to set up successive code combinations in a set of relays corresponding to the shade of successive elements of a picture, means to set up a code combination in relays at least one of which is not comprised in said set, this last mentioned combination corresponding to the completion of a cycle of elements in the picture, and means to record and effect the said combinations respectively.

1,579,264. PROCESS FOR FINISHING LEATHER. JOHN B. WELCH, New Orleans, La., and WILLIAM C. WELCH, Newton, Mass. Filed Jan. 19, 1925. Serial No. 3,271. 7 Claims. (Cl. 91—68.)



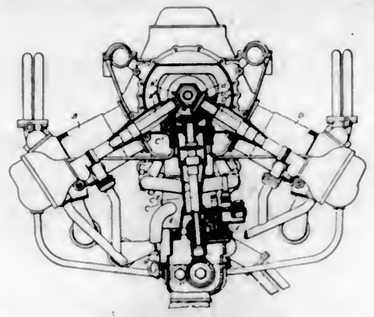
7. In the process of finishing degreased leather, the steps which comprise first humidifying the leather to restore the degreasing shrinkage, applying a layer of coating material to the leather, and thereafter drying the coating under conditions which counteract the tendency of the leather to shrink during the drying operation.

1,579,265. NOISELESS STOP FOR DOORS. THOMAS E. WELSH, Woodbridge, Conn. Filed Oct. 14, 1921. Serial No. 507,659. 7 Claims. (Cl. 16—83.)



1. In a door check with a bumper suspended from a suitable support, a member for guiding the means of suspension so that said bumper is swung out of the pathway of the door after the door has been temporarily checked.

1,579,266. INTERNAL-COMBUSTION ENGINE. GEORGE SHAKESPEARE WILKINSON, London, England, and MONTAGUE STANLEY NAPIER, Cannes, France, assignors to D. Napier & Son Limited, London, England, a British Company. Filed Nov. 12, 1924. Serial No. 749,483. 5 Claims. (Cl. 123—195.)

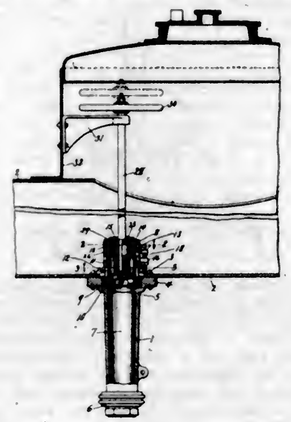


1. A multicylinder internal combustion engine having cylinders or groups of cylinders radiating from the crank shaft including in combination at least one cam shaft adjacent to each cylinder head, at least one radially disposed cam shaft driving shaft, a gear pump for circulating oil comprising a driving gear wheel carried by a radial cam shaft driving shaft and a driven gear wheel meshing therewith, a water circulating pump and means for driving the water circulating pump from the driven gear wheel of the oil circulating pump.

1,579,267. DISCHARGE-OUTLET VALVE. VICTOR R. WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 21, 1922. Serial No. 555,871. 11 Claims. (Cl. 137—21.)

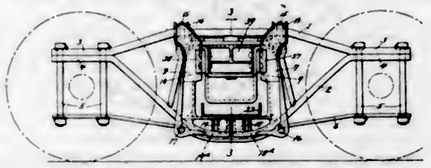
1. In a tank discharge valve, a discharge outlet casing, a valve seat member, a valve cage adapted to secure said member in said casing, a valve in said cage adapted to engage said member and means on said valve movably mounted in said cage and engaging said cage to operate said valve.

11. In a tank discharge valve, a discharge outlet casing connected to the tank, a valve seat member seated in said outlet casing and a valve cage carried by said



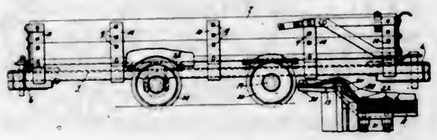
outlet casing and securing said valve seat member in said outlet casing, and means locking said valve cage in position.

1,579,268. CAR-TRUCK SIDE FRAME. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 15, 1923. Serial No. 680,932. 15 Claims. (Cl. 105—204.)



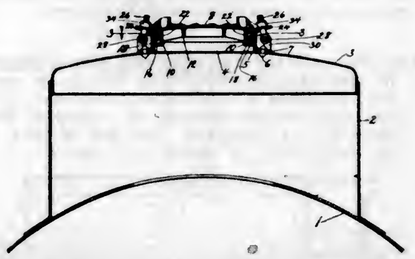
1. In a car truck, a side frame comprising a compression member, a tension member and bolster column members extending between said tension and compression members, said column members having spring plank supporting portions, a tie bar beneath said tension member and fasteners positioned in alined openings in the tension member and spring plank supporting portions of said column members and held in place by the tie bar and a spring plank.

1,579,269. MINE CAR. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1925. Serial No. 4,516. 7 Claims. (Cl. 105—364.)



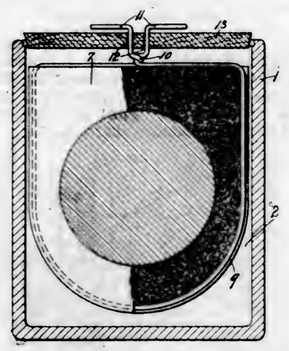
1. In a mine car, a body having a bottom and side and end walls, said bottom comprising an intermediate section and side sheets having their outer side portions secured to the side walls and their inner side portions extending in underlying relation to the side portions of the intermediate bottom section, said side sheets having pockets adjacent the intermediate section and spaced from each other, axles extending transversely beneath the body and having their end portions disposed beneath the side sheets, wheels upon the end portions of said axles and extending upwardly into said pockets, and shields secured upon said side sheets and having upwardly arched portions disposed above said pockets and portions extending in overlapping relation to the intermediate bottom section, and fasteners securing the side sheets and shields to the side portions of the intermediate bottom section.

1,579,270. TANK-DOME CLOSURE. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 27, 1925. Serial No. 26,121. 8 Claims. (Cl. 220—44.)



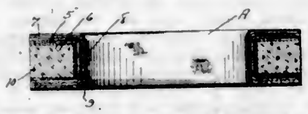
1. A tank dome closure comprising a dome ring carried by the tank, a dome cover to seat on said ring, means to secure said cover to said ring and cooperating means on said ring and cover interlocking to prevent removal of said cover when said cover is raised by the pressure in the tank upon release of said securing means.

1,579,271. DUST GUARD FOR JOURNAL BOXES. VICTOR WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 11, 1925. Serial No. 29,461. 3 Claims. (Cl. 286—6.)



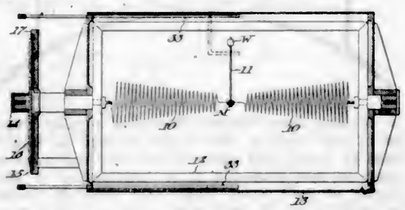
1. A journal box having a dust guard chamber, a dust guard in said chamber having a partly grooved periphery, a closure for said chamber and a yoke mounted in the groove in said dust guard, said yoke entirely surrounding said dust guard and engaging in an opening in said closure.

1,579,272. PACKING. CHARLES J. WITHERUP, Port Arthur, Tex. Filed Oct. 19, 1923. Serial No. 669,573. 1 Claim. (Cl. 154—45.5.)



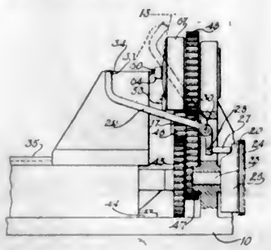
A packing of the class described, comprising an annular cork ring rectangular in cross section and an annular channel shaped covering, the web of the channel extending across and fitting closely against one of the cylindrical surfaces of the cork and the legs of the channel extending over and fitting closely against the respective flat faces of the cork ring, said legs terminating flush with the remaining cylindrical face of said cork ring, said covering consisting of material adapted to swell when in use, and a rubber cushion imbedded in the web of the channel shaped covering and extending concentric to the ring in spaced relation thereto.

1,579,273. APPARATUS FOR THE MEASUREMENT OF THE VARIATIONS IN THE FORCE OF GRAVITY. FREDERICK EUGENE WRIGHT, Washington, D. C., assignor to Carnegie Institution of Washington, Washington, D. C., a Corporation. Filed May 19, 1924. Serial No. 714,518. 13 Claims. (Cl. 265—1.)



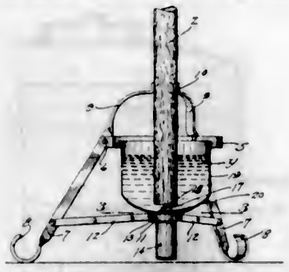
1. In apparatus for measuring the force of gravity, the combination of a substantially horizontally disposed helix, means engaging the ends of the latter for angularly moving it about its axis and an arm extending radially outwardly from the helix and carrying at its free end a weight tending to torsionally deform the helix, the helix being so constructed that together with the arm carried by it in horizontal position it represents an aperiodic system.

1,579,274. APPARATUS FOR AND METHOD OF WHIPPING STRAND ABOUT A CORE. WALTER SAWER YALE, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1924. Serial No. 734,893. 11 Claims. (Cl. 242—7.)



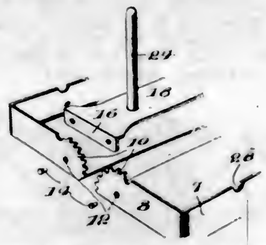
1. In a mechanism for whipping the end of a core with strand material, means for releasably holding an end portion of strand of predetermined length and for whipping it about the core.

1,579,275. CHRISTMAS-TREE HOLDER. CHARLES D. ZEIGLER, St. Paul, Minn. Filed July 22, 1925. Serial No. 45,238. 3 Claims. (Cl. 248—38.)



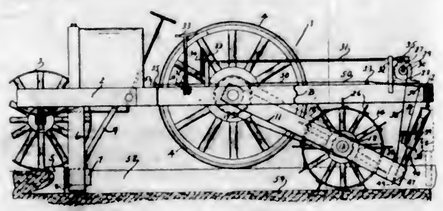
1. A Christmas tree holder comprising a body member, supporting legs attached to the body member for spreading and contracting movements and having tree-gripping prongs arranged to partake of reverse movements from that of said legs, and a Christmas tree-supporting head attached to the supporting legs for vertical movement in respect thereto and operative to spread said legs by a downward movement and contract the same by an upward movement.

1,579,276. GAME COUNTER. ZINGED C. BIRNBERG, Youngstown, Ohio. Filed May 4, 1925. Serial No. 27,966. 4 Claims. (Cl. 273—148).



1. A counter holder comprising a rack having a plurality of counter holding pegs, the ends of the rack being provided with flanges, closure sections having end walls provided with integral gear segments meshing with each other, means pivotally connecting the end walls to said flanges, said sections being adapted to be positioned on opposite sides of said rack and being provided with locking means.

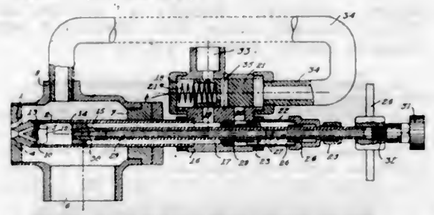
1,579,277. LAND-CULTIVATING MACHINE. WESLEY THOMAS BROWN, Hamilton, Ontario, Canada. Filed Mar. 3, 1923. Serial No. 622,589. 1 Claim. (Cl. 97—40.)



In a machine of the class described, the combination with the main frame of the machine, of a subsidiary frame associated with the main frame and extending rearwardly from a point intermediately of the length of the main frame, said subsidiary frame journalled at its forward end within the main frame about a transverse,

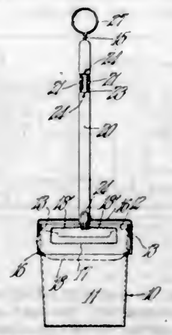
horizontal axis, a wheel mounted within the subsidiary frame at the rear end thereof and rotatable about a transverse, horizontal axis, cultivator protuberances disposed about the rim of the wheel, and extending radially outward therefrom, means for rotating the wheel, means for swinging the subsidiary frame up and down as desired, and a resilient strut engageable between the main frame and rear end of the subsidiary frame when the subsidiary frame is in its lowermost position, said strut, comprising a cylindrical shell swingably hung from the rear end of the main frame, said shell closed at its upper end and open at its lower end, a piston telescoping within the lower open end of the shell, a compression coil spring within the shell and coacting between the shell and piston, means on the main frame for swinging the strut forwardly, and a terminal tongue at the lower end of the piston adapted to engage within a recess at the rear end of the subsidiary frame.

1,579,278. LIQUID-FUEL BURNER OF THE INJECTION TYPE. DAVID ROBERTSON BRUCE, London, England. Filed Dec. 5, 1922. Serial No. 605,124. 3 Claims. (Cl. 158—76.)



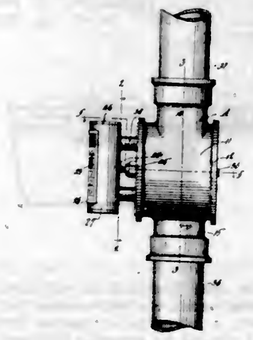
3. A liquid fuel burner having a fluid pressure chamber provided with a fluid opening, a conical nozzle arranged in a burner tube in said opening and provided with two independent inclined passages meeting at a common point substantially at the tip of said nozzle, a liquid fuel chamber communicating with the burner tube, a valve seat in said tube, a hollow needle valve stem operable from the outside of the tube seating on said seat, means for admitting pressure fluid to the interior of the valve stem, a second valve stem inside the first stem and operable from the outside of the burner tube for regulating the flow of pressure fluid, a spring pressed valve in the fuel chamber, the spring normally causing the valve to cut off the fuel supply to the burner tube and a by-pass connection between the fluid pressure chamber at the nozzle and the fuel chamber to admit pressure fluid to the fuel chamber.

1,579,279. DUSTPAN. HENRY CAVE, Springfield, Mass. Filed Jan. 6, 1923. Serial No. 611,121. 3 Claims. (Cl. 65—62.)



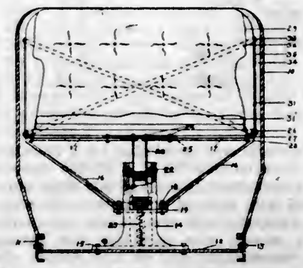
1. In a device of the class described, an open mouthed receptacle, a handle therefor, a brush designed to fit in and close the open mouth of the receptacle, a handle for the brush, spring jaw means on one of said handles for detachably engaging the other handle, and shoulders provided on the latter for cooperation with the last named means for limiting the relative endwise play of the handles and positioning the brush in closure forming relation with the receptacle.

1,579,280. LIQUID METER. DE FOREST C. COLEMAN, Clifford, Pa. Filed Feb. 26, 1924. Serial No. 695,372. 1 Claim. (Cl. 73—37.)



In a liquid meter, a casting including a cylindrical body, a rigid end wall for the body, and nipples communicating with the body, the body having formed thereon adjacent to the open end thereof an abrupt shoulder and a tapered shoulder, and female threads disposed between the shoulders, a plug having a bearing opening formed in the axial center thereof provided with a tapered face for engaging the tapered shoulder, and an annular flange for fitting upon the abrupt shoulder, male threads formed upon the plug between the tapered face and flange, an impeller wheel including a hub provided with a bore therethrough rotatably mounted within the cylindrical body, a drive shaft extending through the bore of the hub and said bearing opening in the cap, means detachably connecting the hub with the drive shaft, rigid lugs formed on the outer face of the cap, a registering instrument rigidly connected with the lugs and operatively connected to the drive shaft, the lugs forming means for permitting the rotation of the cap by a suitable tool.

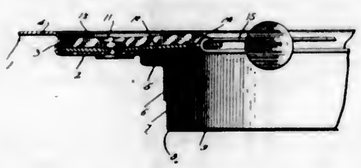
1,579,281. VEHICLE SPRING SEAT. GEORGE EDWIN COUGHLIN, New York, N. Y. Filed June 6, 1924. Serial No. 718,387. 1 Claim. (Cl. 155—52.)



In a vehicle spring seat the combination with a hollow pedestal adapted to be secured to the floor of the vehicle and provided with main side slots and guide rollers journalled in supplemental slots, of a seat, a plunger suit-

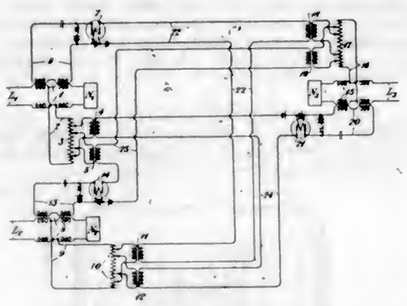
ably secured centrally to the bottom thereof and extending into the pedestal and between the opposite rollers, a spring interposed between the bottom of the plunger and the bottom of the interior of the pedestal, a crossbar secured to the bottom of the plunger and extending outwardly through the main slots of the pedestal and braces connecting the crossbar at each end to each end of the seat.

1,579,282. DRUMHEAD. JAMES MARTIN COUGHLIN, Kingston, Pa., assignor to W. B. Bertels & Son Co., Inc., Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1923. Serial No. 613,671. 1 Claim. (Cl. 220—55.)



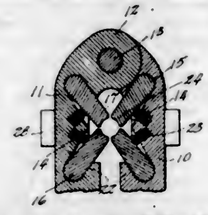
In a device of the class described, an end member, a hollow closure located within the end member and comprising a side wall, a plurality of latches pivotally mounted on the end member for swinging movement in a direction substantially at right angles to the axis of the end member, the latches comprising prolonged portions extended inwardly beyond the side wall of the closure and provided with openings, and independent seals in the openings of the latches and cooperating with the side wall to limit the movement of the latches.

1,579,283. MULTIPLE-WAY CONNECTION FOR A PLURALITY OF LINES. GEORGE CRISSON, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 19, 1924. Serial No. 687,378. 6 Claims. (Cl. 179—15.)



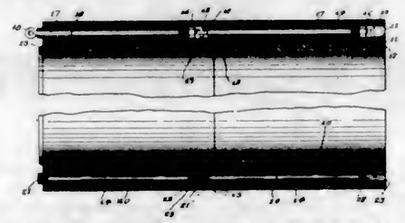
1. A multiple way connection for a plurality of transmission lines terminating at a station comprising input circuits associated with each of said lines, output circuits associated with each of said lines, a plurality of transformers associated with each of said input circuits, a plurality of vacuum tube amplifiers each having its plate circuit connected to one of said output circuits, and circuit arrangements for serially connecting the grid of each amplifier with windings of said transformers at each of said input circuits except the input circuit associated with the line with which the plate circuit of the amplifier itself is associated.

1,579,284. WIRE-LINE CLAMP. FRANK E. CROTTO, Tulsa, Okla., assignor to Western Supply Company, Tulsa, Okla., a Corporation of Oklahoma. Filed Mar. 26, 1925. Serial No. 18,582. 9 Claims. (Cl. 24—135.)



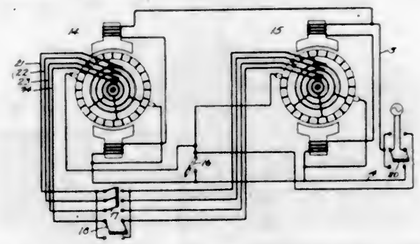
1. In a wire clamp, a pair of hinged jaws having a clamping space therebetween, a plurality of slips mounted in each jaw at an angle to each other and radial to a common center, and means for drawing the jaws together to bring the slips into clamping relation.

1,579,285. CONDUIT. TIMOTHY A. DANAHER and DAVID J. DANAHER, Jackson, Mich. Filed Oct. 3, 1923. Serial No. 666,360. 2 Claims. (Cl. 72—53.)



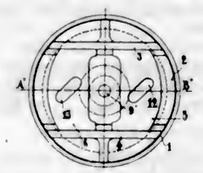
1. In a sectional conduit, conduit sections each comprising a metal pipe having a plastic sheathing on its inner and outer surfaces and tubes imbedded in the sheathing, one end of each section having recesses with which the tubes communicate, an inwardly extending flange at one end of the pipe, a bead on the opposite end of said pipe, the faces of the said flange and bead having complemental configurations whereby the end of one section will interengage the end of the succeeding section, tensioning members extending through the tubes, and interengaging elements for connecting the adjacent ends of the tensioning members.

1,579,286. DYNAMO-ELECTRIC MACHINE. OLIN L. DUFY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1924. Serial No. 699,437. 2 Claims. (Cl. 172—276.)



1. In combination, a plurality of dynamo-electric machines, means for connecting the field and armature of each machine in series across an alternating current supply line for starting, means for also establishing connections between corresponding points in the armature windings of said machines the points in each machine being separated at 120 electrical degrees from one another, to cause said machines to accelerate in step, and means for thereafter opening said connections and for converting each of said machines to a repulsion-synchronous machine.

1,579,287. SPARKING-ADVANCE CONTROL DEVICE FOR EXPLOSION ENGINES. MAURICE DUTEN, Levallois-Perret, France. Filed Nov. 8, 1924. Serial No. 748,797. 1 Claim. (Cl. 123—117.)

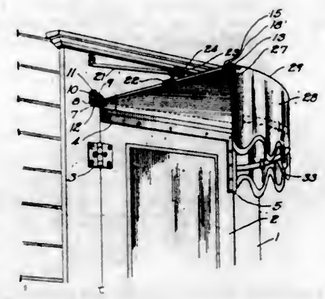


A timing device for advancing and retarding the drive between an internal combustion engine and sparking mechanism therefor in accordance with the speed of the engine, comprising a driving shaft and a driven shaft in opposed relation with each other, centrifugal weights arranged to the sides of the axis of said shafts, guide members on one of said shafts for said weights for guiding them radially outward and affording a driving connection between the weights and said shaft, and a driving connection between the weights and the other of said shafts comprising angularly arranged slots in the weights extending outward away from the axis of the shafts, and pins projecting from the other of said shafts through said slots in the weights whereby the projection on the shaft will tend to hold the weights inward toward the axis of the shafts against the centrifugal force tending to throw the weights outward to advance the driven shaft with respect to the driving shaft.

1,579,288. WATER GATE. AUGUST O. EDWARDS, Williams, Oreg. Filed June 9, 1922, Serial No. 567,008. Renewed Jan. 29, 1926. 2 Claims. (Cl. 61—29.)

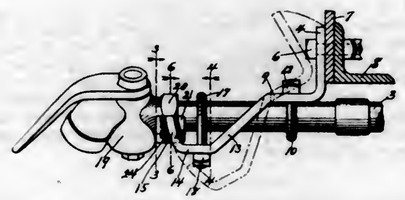
1. In a water gate adapted to be positioned transversely of an irrigating canal, a plate having a vertical rectangular opening therethrough, a substantially U-shaped frame secured to the face of said plate and overhanging the edge of said opening, a series of gate sections of graduated size, each removably held in said frame across said opening, a rigid trough secured upon and projected from that face of said plate opposite the side carrying said frame and following the contour of the lower portion of said opening, and means carried upon the plate by which the same may be placed into or removed from position.

1,579,289. INSECT EXCLUDER. DARSIE E. EDWARDS, Clinton, Mo. Filed Sept. 24, 1924. Serial No. 739,596. 2 Claims. (Cl. 156—14.)



1. An insect excluder for doorways comprising a fabric supporting frame, a bracket adjustably engaging the frame, and means on the bracket for attachment to the door frame.

1,579,290. TRAIN-PIPE SUPPORT AND ANGLE-COCK HOLDER. THOMAS W. ELDER, Jr., Brooklyn, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 6, 1923. Serial No. 661,242. 6 Claims. (Cl. 248—31.)

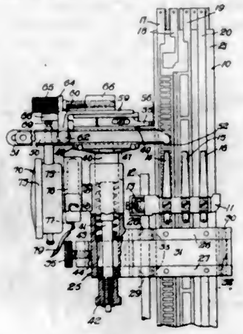


1. In a device of the class described, a bracket having a portion adapted to engage a train pipe and a forked portion extending downwardly, outwardly and upwardly therefrom on opposite sides of the train pipe and an angular housing formed separate from said brackets and adapted to engage the angle cock and having slots to receive the upwardly turned ends of the forked portion of said bracket.

1,579,291. GAUGING MEANS FOR MEASURING AND ADJUSTING APPARATUS. CHARLES BREVET EMERY, River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1923. Serial No. 651,505. 6 Claims. (Cl. 33—180.)

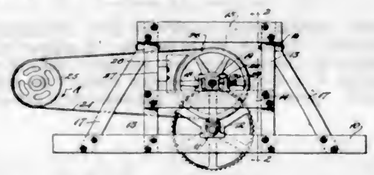
1. In an apparatus for determining the extent of a surface of an electrical conductor, a circuit connected to the conductor and including a source of current, a contact member connected with the circuit, means for

causing a relative movement between the surface and the conductor during an engagement therebetween, means for measuring the extent of such relative movement, and a



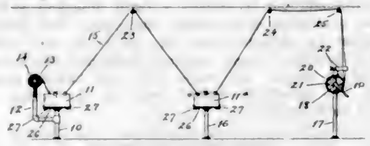
device associated with the circuit and producing a signal upon a disengagement between the surface and the member.

1,579,292. AUTOMATIC BRAKE MECHANISM. LA VERNE C. ENGLAND, Fairmont, W. Va., assignor to Fairmont Mining Machinery Company, Fairmont, W. Va. Filed Apr. 12, 1923. Serial No. 631,730. 5 Claims. (Cl. 188—134.)



1. In a device of the kind described, a driving shaft, a driven shaft, one of said shafts being supported for bodily lateral movement, such bodily lateral movement being effected in one direction by the application of power to the movable shaft and in the other direction by the application of load resistance to said shaft, a brake drum on said movable shaft, and a brake shoe fixed in position to be engaged by the brake drum upon release of load from the movable shaft.

1,579,293. METHOD AND APPARATUS FOR MAKING ENDLESS BELTS. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 4, 1921. Serial No. 489,875. 4 Claims. (Cl. 154—3.)

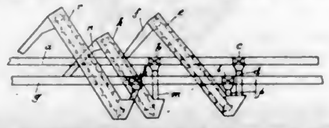


3. A belt-making machine comprising means for supplying a continuous fabric strip, tension-producing means for progressively coating the strip with a rubber solution and scraping off excess solution, means for supporting the coated strip in a condition for drying, and means for winding the coated strip convolutely upon itself into an endless belt against the drag of said coating and scraping means being adjustable to regulate the degree of tightness in the convolutions of the wound belt.

1,579,294. GOLF PRACTICING DEVICE. SEBRING C. FISK, Tampa, Fla., assignor to T. E. Specialty Company, Detroit, Mich., a Copartnership consisting of Leslie H. Eby and Frank I. Taylor. Filed June 27, 1925. Serial No. 39,964. 6 Claims. (Cl. 273—35.)

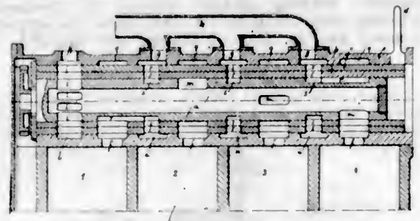
1. In combination, a ball, a looped shaped member having one end thereof coiled, means loosely securing said ball to the looped portion of said member and means in and on which said member can be removably fitted for rotation.

1,579,295. COAL-WASHING PROCESS AND PLANT. ANTOINE FRANCE, Liege, Belgium. Filed Aug. 1, 1924. Serial No. 729,502. 2 Claims. (Cl. 209—155.)



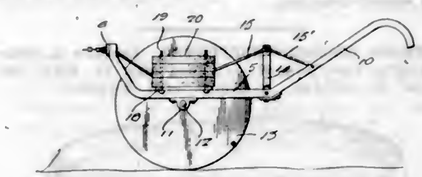
1. The process of washing coal consisting in subjecting the imperfect slates, withdrawn in the first instance from an initial washing in a liquid conveying stream by means of upward streams, to an independent re-washing also in a liquid conveying stream, and in bringing back to the point of supply of the raw product, in order to be subjected together with the latter to the initial washing both the mixed product intentionally withdrawn from the said initial washing subsequently to the withdrawal of the slates to be re-washed and the mixed product intentionally withdrawn by means of upward streams from the aforesaid re-washing of the imperfect slates after elimination of the pure slates.

1,579,296. ROTARY-VALVE DISTRIBUTING DEVICE FOR COMPRESSED-AIR AND LIKE ENGINES. NICOLAS FRANÇOIS, Bressoux, near Liege, Belgium. Filed Feb. 1, 1924. Serial No. 689,973. 3 Claims. (Cl. 121—187.)



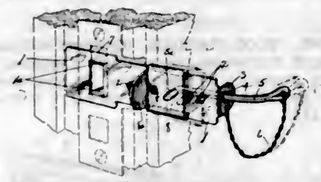
1. In a rotary valve distributing device for compressed air and like engine, the combination of: a casing having communications with the engine cylinders and the exhaust pipe; an inner rotary distributing cylinder driven by the engine and having admission ports and exhaust channels formed therein; a stationary intermediate cylinder arranged concentrically to said inner cylinder and having ports corresponding to each direction of rotation of the engine formed therein; and an outer cylinder having communication ports formed therein, mounted within the aforesaid casing concentrically to the two first-named cylinders and capable of angular adjustment in relation thereto whereby said communication ports may be brought to register with such of the ports of the intermediate cylinder as will correspond to the rotation of the engine in whatever direction is desired; substantially as described.

1,579,297. MANURE AND STRAW CUTTER. CLAUD A. FRANKLIN, Kansas City, Kans. Filed Mar. 7, 1925. Serial No. 13,932. 1 Claim. (Cl. 55—61.)



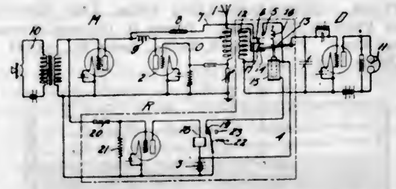
A device of the class described including a frame comprising a pair of longitudinal parallel spaced beams, an axle journaled on the beams extending transversely thereof, a disc cutter on the axle between the beams, a plate on each beam above the axle, pins rising from the plates, a weight on each plate having an opening for receiving the pins.

1,579,298. SAFETY DOOR LOCK. BYRON G. FRY, Glendale, and DELIA B. RAWSON, Los Angeles, Calif. Filed Feb. 25, 1924. Serial No. 694,958. 1 Claim. (Cl. 292—298.)



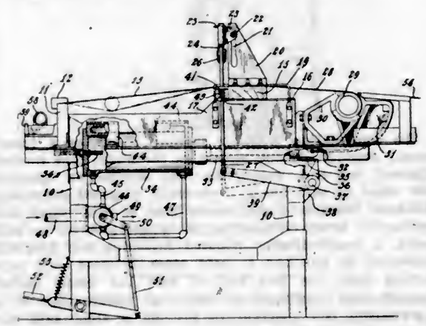
A safety door lock of the character referred to, including a plate member having lugs at one end to be inserted into the bolt hole in the door frame and having its other outer end bent to an angle and provided with a hole, said member having a series of holes therethrough outside of the door frame, and a slide holding member sliding on said plate member and having an angle portion adapted to bear flatwise against a door when closed and having holes to register with the holes in said plate member, and a pin inserted through the hole in the angle part of said plate member and having its inner end bent to an angle to be inserted through the registering holes in said plate member and said slide holding member, substantially as described.

1,579,299. TWO-WAY COMMUNICATION SYSTEM. JOHN C. GABRIEL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1924. Serial No. 689,851. 5 Claims. (Cl. 250—6.)



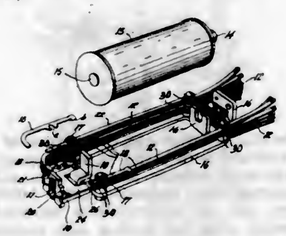
1. A station of a two-way signal system comprising means for transmitting a signal, means for receiving a signal, and relay-including means actuated in response to the initiation and cessation of said signal transmission to respectively render said station operative for signal transmission and reception, said means including circuit closing means whereby said relay operates to initiate the change in condition of said station a predetermined time after the cessation of the previous condition of signal operation.

1,579,300. METHOD AND APPARATUS FOR MAKING TUBES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1922. Serial No. 585,156. 11 Claims. (Cl. 154—8.)



1 The method of making tubes which comprises uniformly stretching a sheet of elastic material substantially throughout its area, and then wrapping a mandrel therein, while holding said sheet in such uniformly stretched condition.

1,579,301. RELAY. JOHN S. GARVIN, Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1924. Serial No. 695,741. 4 Claims. (Cl. 200—104.)

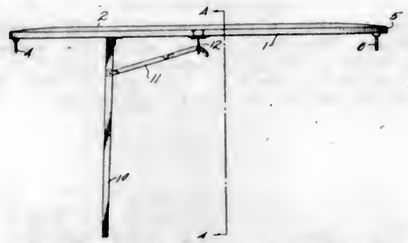


1. A relay having a spring combination comprising a plurality of springs positioned one above the other in a desired space relation, one or more contact members for making contact with and extending the springs of said combination, each of said contact members including a plurality of lips for making contact in alignment with its associated spring, said contact members being adapted to be quickly removed or replaced without disturbing the rest of said combination of springs.

1,579,302. PROCESS FOR TREATING CRUDE OXIDE AND CARBONATE OF ZINC. WILLIAM THOMAS GIDDEN, Smethwick, and WILLIAM GILBERT RAGG, Birmingham, England, assignors to Chance and Hunt, Limited, Oldbury, England. Filed Nov. 28, 1923. Serial No. 677,521. 9 Claims. (Cl. 23—147.)

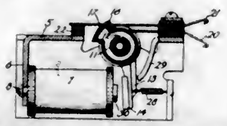
1. A process for producing zinc oxide of a high degree of purity from crude material containing an oxygen compound of zinc which comprises forming a solution containing the crude material and ammonium carbonate, and recovering the zinc content of the solution by sudden dilution with water followed by distillation of the ammonia.

1,579,303. IRONING BOARD. JOSEPHINE GILES, Wareham, Mass. Filed Aug. 3, 1922. Serial No. 579,551. 1 Claim. (Cl. 68—10.)



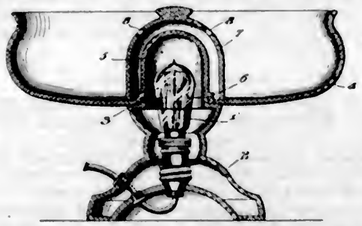
The combination with an ironing board, of a transversely depending block hinged on the under face thereof adjacent one end, supporting legs secured on opposite side edges of said block, a centrally disposed depending U-shaped bracket on the under face of said board and having its arms terminating in wings secured to said board, a longitudinally disposed fastening bar hingedly connected at one end to said block between said supporting legs, the free end of said bar being guided through said U-shaped bracket and terminating in a downwardly bent portion to provide a stop, said bar having a notch therein adjacent the terminal portion to engage over the bottom of said U-shaped bracket to retain said legs in supporting position, and a relatively large depending pin on one end of said board adapted to engage in an external socket.

1,579,304. SWITCHING DEVICE. FREDERICK M. GODDARD, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1919. Serial No. 345,498. 2 Claims. (Cl. 200—8.)



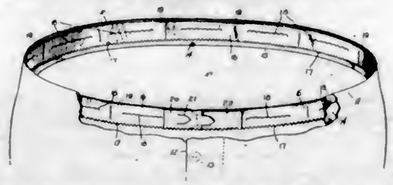
1. In a switching device, the combination of a mounting frame arranged with a slot on two opposite ends, a rotatable switching member pivotally arranged in said slots, conducting and insulating cams interposed on said member, and sets of conductors tensioned against said conducting cams for holding said member in adjusted position in said slots.

1,579,305. FLOWER BOWL OR VASE. CARL GOLDBERG, Haida, Czechoslovakia. Filed Oct. 2, 1924. Serial No. 741,292. 2 Claims. (Cl. 240—2.)



1. A combined lamp and flower vase comprising a base made of translucent material, and having an opening at the top, a bowl-shaped part of translucent material fitting said base, and formed with an upwardly extending cavity covering the opening in said base, and illuminating means in said base extending through said opening into said cavity, and a perforated member of translucent material extending over said cavity and being spaced therefrom.

1,579,306. GARMENT SUPPORTER. ABRAHAM J. GOLDSMITH, New York, N. Y. Filed Mar. 31, 1924. Serial No. 703,142. 2 Claims. (Cl. 2—236.)

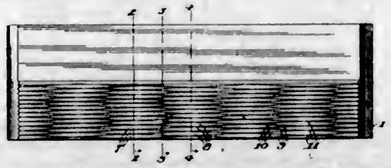


2. In combination, a waistband for a garment and a flexible adjustable belt therefor, said belt comprising a strip of raw rubber impregnated material, a plurality of projecting points cut along the lower edge of the strip and a series of groups of scalloped cuts disposed opposite to the said points and longitudinally and midway of the width of the strip, said strip being stitched to the waistband at spaced points along the upper edge.

1,579,307. TOOL HANDLE. CHESTER S. GORDON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 29, 1924. Serial No. 709,841. 1 Claim. (Cl. 16—116.)

A handle formed of a relatively poor heat conducting material, a heat carrying implement having a flat metal tang extending therefrom and adapted to enter into and be attached to one end of said handle, a chamber formed interiorly of said handle and circumferentially of said tang, a collar affixed to one end of said tang having longitudinal slots in which the edges of the tang register, the dimensions of said collar and said tang being such that air-ducts are provided on either side of said tang to permit the entrance and free circulation of air into the interior chamber of the handle about the tang to dissipate heat transmitted from said implement, said tang, when in registered position in said slots, co-operating with the tang attached end of said handle to provide a good balance for said handle and implement and prevent relative movement thereof.

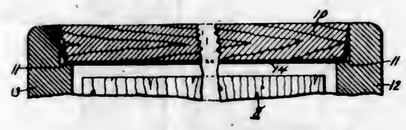
1,579,308. THREAD-ROLLING DIES AND METHOD OF PRODUCING SAME. JAMES H. GRAHAM, Torrington, Conn. Filed Mar. 3, 1925. Serial No. 12,841. 6 Claims. (Cl. 80—9.)



1. A right-and-left intersecting thread rolling die having a right and a left series of ridges thereon, each of said series comprising continuous and uninterrupted individual ridges extending in parallel straight lines, said

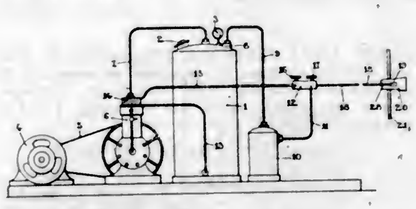
series of ridges defining and bounding a plurality of identical and symmetrical depressions of cross sections increasing regularly from end to center and decreasing regularly from center to end.

1,579,309. DUST GUARD FOR JOURNAL BOXES. WILLIAM H. GRAHAM, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 14, 1923. Serial No. 638,721. 7 Claims. (Cl. 286—6.)



1. In combination with a journal box having a dust guard opening, a dust guard therein, a separately formed and separately insertable block to close said opening and means secured to said block and bent upon the insertion of said block in the dust guard opening to engage the walls of said opening and prevent removal of said block.

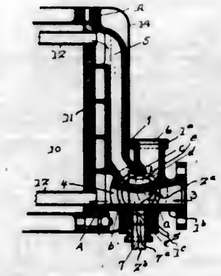
1,579,310. DEVICE FOR PULVERIZING A MIXTURE OF AIR AND LIQUID FUEL. LUCIEN GRILLET, Lausanne, Switzerland. Filed Jan. 5, 1925. Serial No. 738. 2 Claims. (Cl. 158—365.)



1. A heating device for the purpose specified comprising a small air compressor, a heat recuperating device on said compressor, a fuel tank, a pipe leading from the bottom of said tank to said heat recuperating device, a pipe leading from the compressor to the top of the tank, said compressor forcing air under pressure into the tank whereby the fuel is passed into the heat recuperating device, a spraying device, a pipe leading from the heat recuperating device to said spraying device, means connecting said spraying device to the top of the tank, an outlet pipe leading from said spraying device, said outlet pipe being of small diameter, a burner, a pulverizing device in said burner and connected to the said outlet pipe, said pulverizer being adapted to discharge a pulverized mixture of air and fuel into the burner, and adjustable means for supplying supplementary air to said burner.

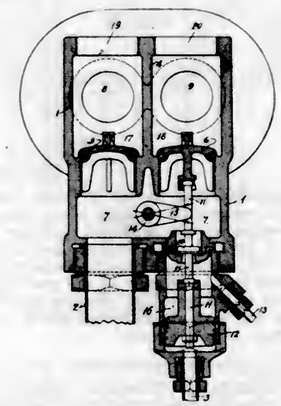
1,579,311. FEED-WATER HEATER. OTTO GÜNTHER, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 9, 1923. Serial No. 618,026. 8 Claims. (Cl. 257—1.)

1. In a feed water heater a unitary structure comprising a head and a valve casing, said head being provided with an inlet passage communicating with the lower portion of the heater and an outlet passage communicating with the upper portion of the heater, said valve casing being provided with a plurality of passages, for the inlet, the outlet, and the draining of the feed water to and from said heater, a valve plug rotatably mounted in said valve casing and having a pair of passages which in one position of said valve plug permit the passage of the feed water through said inlet and outlet passages to and from said heater respectively and



which in another position establish communication between said draining passage and all of the remaining passages of said head and valve casing.

1,579,312. METHOD AND APPARATUS FOR CONTROLLING THE FEED-WATER SUPPLY TO STEAM BOILERS. OTTO GUENTHER, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed May 29, 1923. Serial No. 642,209. 4 Claims. (Cl. 122—412.)

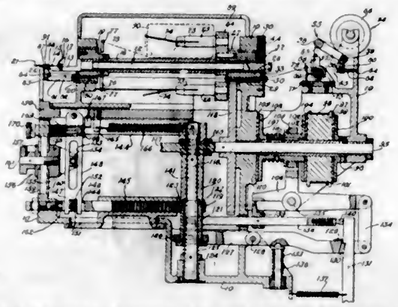


1. The method of supplying feed water to a steam boiler which consists in conducting the water to the boiler in two separate paths, one of which paths terminates in the steam space of the boiler and the other of which terminates in the water space of the boiler, permitting the feed water to flow through the first named path when the demand for steam is substantially diminished, while preventing its flow through the other path, and permitting the flow of the feed water through said other path, while preventing its flow through the first named path when the demand for steam is active.

1,579,313. STRAND-WHIPPING MECHANISM. CARL ODENWALD HAASE, Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,038. 8 Claims. (Cl. 242—7.)

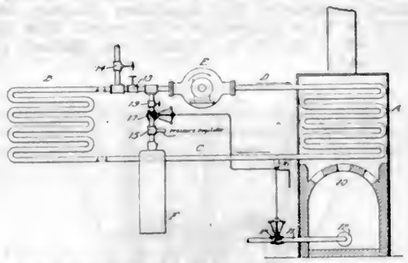
1. In a mechanism for whipping a core with strand material, means for whipping the strand around the

core, a support for the core, means for causing a relative movement between the support and the whipping means to cause the strand to be whipped about the



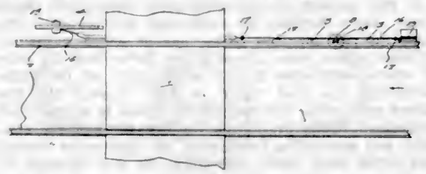
core, a stationary element, and means located thereon for holding the end of the strand during the whipping operation.

1,579,314. HIGH-TEMPERATURE HEATING SYSTEM. BURT S. HARRISON, Brooklyn, N. Y., assignor to Carrier Engineering Corporation, New York, N. Y. Filed Feb. 25, 1920. Serial No. 361,325. 7 Claims. (Cl. 237—12.)



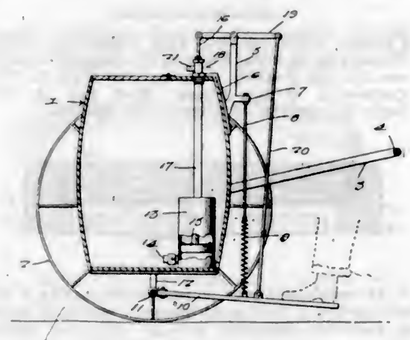
1. The hereindescribed method of high temperature heating which consists in confining a dry, non-oxidizing gas at a pressure above atmospheric pressure so as to circulate in a closed circuit, said gas having a density greater than air, heating said gas in one portion of said circuit to raise the temperature of the gas, and causing the circulation of the heated gas through said closed circuit whereby the heat of the heated gas is utilized in another portion of said circuit.

1,579,315. RAILROAD-CROSSING SIGNAL. JOSH HATCHER, Delagua, Colo. Filed July 7, 1925. Serial No. 41,989. 2 Claims. (Cl. 246—293.)



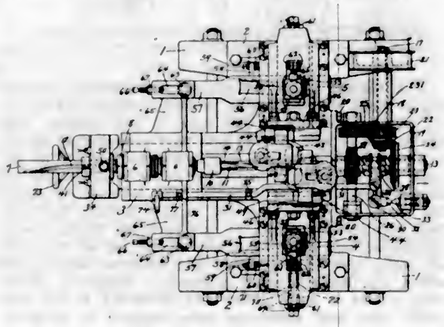
1. A railroad crossing signal comprising a cylinder adapted to be suitably anchored, a plunger having a head slidable in said cylinder, a spring located in said cylinder and bearing against said head, said plunger also including a rod normally disposed in an elevated position, a pair of downwardly and outwardly inclined depressible bars pivotally connected at their inner adjacent ends to the upper end of said rod, and means for pivotally and slidably connecting the outer ends of said bars to the web of a rail.

1,579,316. PORTABLE SPRAY PUMP. WILLIAM T. HAYDEN, Sullivan, Ind. Filed Aug. 14, 1925. Serial No. 50,296. 2 Claims. (Cl. 103—218.)



1. A liquid spray of the class described comprising a wheel supported barrel, a pump cylinder in said barrel, a casing connected with said cylinder and extending upwardly to the top of the barrel, an intake connected with said cylinder, a piston movable in said cylinder, a rod connected with said piston and extending upwardly through the cylinder and casing, a pivotally mounted foot pedal on the barrel, and an operating connection between the pedal and piston rod.

1,579,317. DRILL-FLUTE-MILLING MACHINE. RICHARD HERVIG, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 23, 1922. Serial No. 545,992. 17 Claims. (Cl. 90—13.9.)

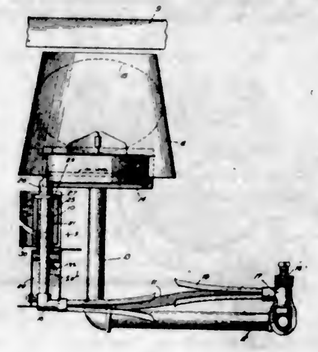


1. In a machine of the class described, a base, a head slidably mounted on said base, a work carrying spindle carried by said head, a threaded shaft engaging said head and adapted to shift said head and spindle, means operated by said shaft adapted to rotate said spindle, cross slides carrying cutters for work operated by the movement of said head and a connection between said spindle operating means and spindle adapted to vary the rotation of said spindle as said spindle is shifted.

1,579,318. OIL STOVE. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 12, 1922. Serial No. 593,942. 10 Claims. (Cl. 158—42.)

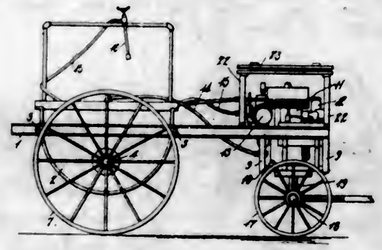
1. The combination of an oil receptacle, and means for raising and lowering the receptacle including a pair

of telescoping tubular members, a collar fixed upon one of said members, a sleeve loose upon the other member and slidably connected with said collar, and means for



raising and lowering the sleeve comprising a stationary arcuate member having a slot therein and a rod rigid with the sleeve operating in said slot.

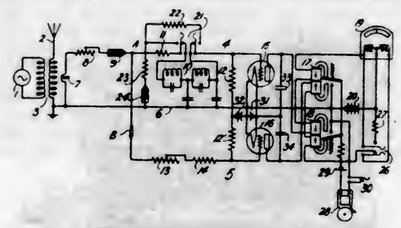
1,579,319. SPRAYING MACHINE. JOHN C. HULL, Gasport, N. Y. Filed June 19, 1922. Serial No. 569,569. 6 Claims. (Cl. 299—45.)



1. A spraying machine, comprising suitable side bars, a solution tank disposed near the rear ends of said side bars, an axle passing directly through said solution tank below the center thereof, wheels mounted upon said axle, an underslung platform near the forward end of said side bars, downwardly disposed members supporting said platform connected with said side bars, a pair of front wheels, and an axle connecting said wheels, means for pivotally connecting the axle with said platform, a spraying pump and motor therefor mounted on said platform, and a communication between said tank and said pump.

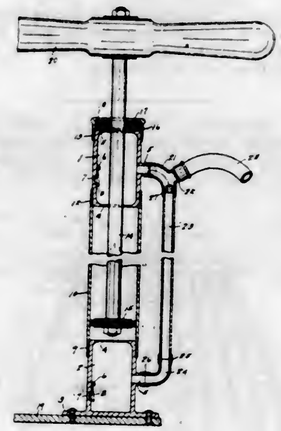
1,579,320. FREQUENCY-INDICATING SYSTEM. JOHN L. HIRSKO, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, a Corporation of New York. Filed July 2, 1925. Serial No. 40,989. 4 Claims. (Cl. 175—366.)

1. A frequency indicating system comprising a pair of transmission channels connected in parallel at their input ends to a common circuit including a wave source, and connected in opposition at their output ends to a differential indicating instrument, a frequency selective network included in one of said channels, a second network included in the other channel having attenuation which is independent of frequency but adjustable in degree, a third network also having attenuation which is independent of frequency and which is proportioned to be equal to that of said selective network at a single pre-



determined frequency, and switching means for disconnecting said selective network from the system and substituting said third network in place thereof.

1,579,321. DOUBLE-ACTING AIR PUMP. ALBERT JOHNSON, Lime Springs, Iowa. Filed May 13, 1925. Serial No. 29,965. 2 Claims. (Cl. 230—27.)

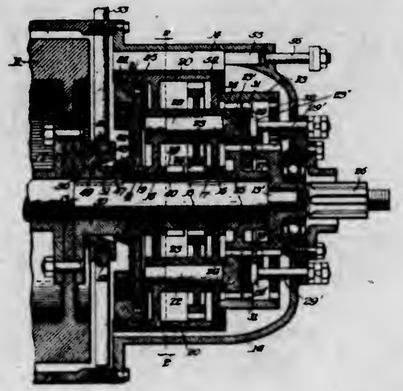


1. In a device of the kind described, embodying a pump cylinder; a piston mounted in said pump cylinder and a piston rod and handle secured to said piston; upper and lower intake check valve cylinders having air inlets provided therein, secured to said pump cylinder; check valve covers hingedly mounted over said air inlets; piston stops incorporated in said intake check valve cylinders; a cap mounted over said piston rod threadedly secured to said upper intake check valve cylinder; pipe nipples incorporated in said intake check valve cylinders; an elbow and pipe secured to the said lower pipe nipple; a ball type elbow valve secured to the said upper pipe nipple and to the said pipe; and a hose nipple incorporated in said elbow valve.

1,579,322. FLEXIBLE AUTOMATIC TRANSMISSION. WILLIAM E. JOHNSON, Kenosha, Wis., assignor, by mesne assignments, to Flexo Drive Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 10, 1920. Serial No. 350,599. 25 Claims. (Cl. 74—34.)

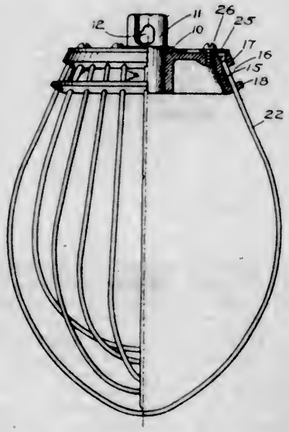
1. In a power transmission, a power shaft connected to the power source, a gear thereon, a drum rotatable on the shaft about the gear, a counter-shaft carried by the drum and revoluble about the power shaft, a gear on

the counter-shaft in mesh with that on the power shaft, a second gear on the counter-shaft, a load shaft, and a gear rotatable with said load shaft and in mesh with the last named gear, in combination with braking means



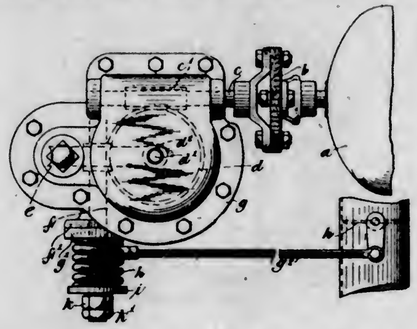
acting directly on the drum and in sliding contact therewith to control the revolution of the same whereby to vary gradually the speed ratio between the power and load shafts from zero to maximum.

1,579,323. STIRRER. HERBERT L. JOHNSTON, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed Nov. 3, 1923. Serial No. 672,587. 20 Claims. (Cl. 259—144.)



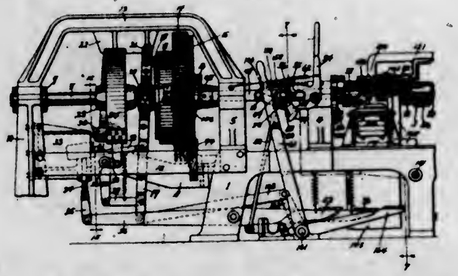
20. A stirrer or beater, of the character described, comprising a body member, having a plurality of passages therethrough, a stirrer rod having a lateral extension upon one end thereof, mounted within the said passages by passing the end having no extension thereon through one of the said passages and looping the rod upon itself to extend the same said end through the other of said passages and then forming a lateral extension upon the said end, forcing each of the said ends along its respective passage to form a retaining groove for the extension thereon; and a removable retaining plate constructed for attachment to the body member after the ends of said rod have been each forced into its respective passage.

1,579,324. CONTROLLING DEVICE FOR THE THROTTLE VALVES OF INTERNAL-COMBUSTION ENGINES. LYMAN C. JOSEPHS, Jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 14, 1923. Serial No. 651,685. 3 Claims. (Cl. 137—139.)



1. Controlling devices for the throttle valve of an internal combustion engine comprising a propelling motor, a shaft driven thereby, a friction plate connected to the throttle valve and a friction plate carried by said shaft and engaging said first named plate operatively to deliver power to the throttle valve.

1,579,325. SPRING-COILING MACHINE. THEODORE C. KASEBERG, Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 17, 1923. Serial No. 663,061. 45 Claims. (Cl. 153—65.)



1. In a spring coiling machine, a shaft, a work holding dog, driving means for said shaft, a cam operated by and substantially unitary with said driving means, a reciprocating rod adapted to contact with and be operated by said cam, a pivotally mounted member adapted to operatively and detachably connect said reciprocating rod and dog and means to lock said dog in holding position.

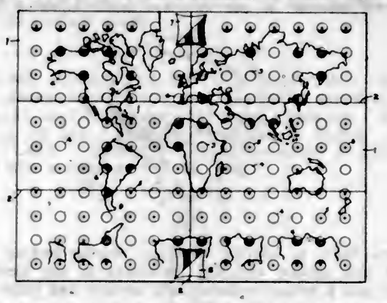
1,579,326. PURIFYING AND DECOLORIZING AGENT FOR OILS AND METHOD OF MAKING THE SAME. HAROLD L. KAUFFMAN, Parco, Wyo., assignor to Producers and Refiners Corporation, a Corporation of Wyoming. Filed May 27, 1924. Serial No. 716,270. 10 Claims. (Cl. 252—2.)

1. A purifying and de-colorizing agent for oils having as its base leverrierite, a mineral.

1,579,327. GAME. CECIL S. KNOWLES, Seattle, Wash. Filed July 25, 1925. Serial No. 46,117. 6 Claims. (Cl. 273—134.)

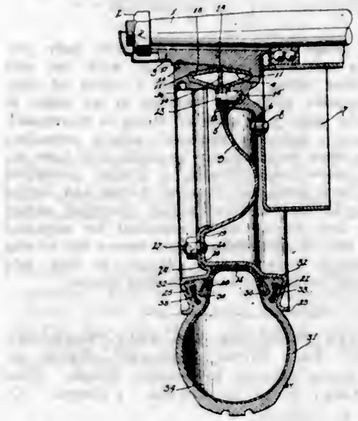
5. In a game, a board indicating landing points for units of an army and navy and bases for opposing forces, a plurality of members representative of said units,

adapted to be maneuvered over said board relative to the points and bases, and a plurality of tokens represent-



ing resources of the respective forces for initiating and maintaining a contest between the said forces.

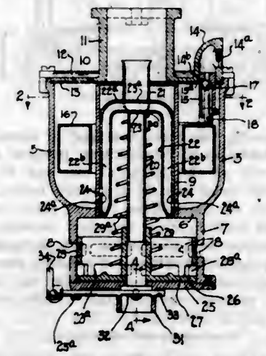
1,579,328. VEHICLE WHEEL. LUDGER ELIZÉ LA BRIE, Chicago, Ill., assignor to Motor Industries, Inc., Chicago, Ill., a Corporation of Illinois. Original application filed Nov. 30, 1923, Serial No. 677,809. Divided and this application filed Aug. 15, 1924, Serial No. 732,303. Renewed Aug. 22, 1925. 21 Claims. (Cl. 301—63.)



2. A vehicle wheel of the character described, comprising a hub member, said hub member being fashioned with an annular groove in the side wall thereof concentric with the axis of the hub and substantially V-shaped in cross section, a disk having an opening through the center part thereof, and laterally extending, annular projections concentric with said opening, said projections being V-shaped in cross section, and a locking ring having threads on the inner wall thereof arranged to engage with the threads on the exterior wall of said hub, said ring having an annular groove on the end wall thereof V-shaped in cross section, said grooves in said hub and in said retaining means being arranged to receive the annular projections on said disk respectively, whereby said disk may be bound in close engagement with said hub when said ring is tightened.

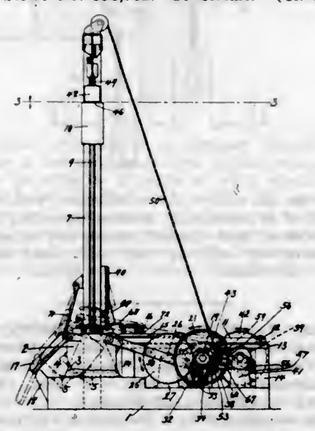
1,579,329. CARBURETOR. ALFRED M. LA CHAPELLE, Chicago, Ill., assignor to L. H. P. Products Company, a Corporation of Delaware. Refiled for abandoned application Serial No. 366,074, filed Mar. 15, 1920. This application filed Nov. 16, 1920. Serial No. 424,491. 2 Claims. (Cl. 261—78.)

1. A carburetor for combustion engines comprising a bowl having an upright wall, an inwardly extending flange forming a bottom therefor, an upright tube adapted to be fixed to the inner edge of said flange, and extending to a point adjacent the upper periphery of said upright wall, said upright tube, flange and upright wall defining a fuel chamber, an inverted U-shape spray tube within said upright tube, the upright leg portions of said tube being connected with said fuel chamber and in open communication therewith, an air inlet tube supported on the upper portion of said spray tube, said U-shaped spray tube being provided with apertures aligned with said air inlet tube, said air inlet tube extending downwardly below the bottom of said bowl, and communicating with the atmosphere, a throttle



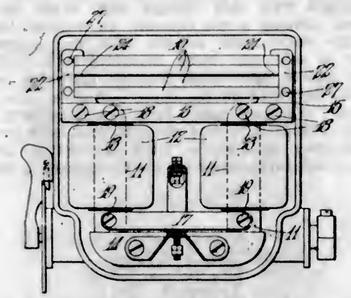
valve controlling the admission of air into said air inlet tube, an auxiliary air valve between said fuel chamber and said throttle valve and resilient means normally maintaining said auxiliary air valve in closed position, said auxiliary air valve being arranged to admit air into said upright tube and around said air inlet tube for admixture with the air passing through the upper end of said air inlet tube, and the relative opening of said auxiliary air valve being controlled by the opening of said throttle valve and the speed of the engine.

1,579,330. WHEEL-BREAKING MACHINE. FREDERICK R. LONG and JAMES A. HARRY, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 8, 1922. Serial No. 586,962. 16 Claims. (Cl. 29—66.)



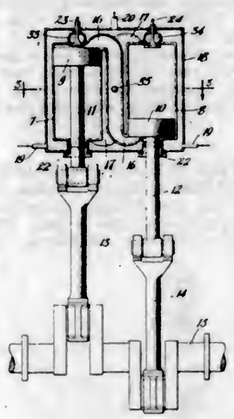
1. In a wheel breaking machine, an anvil to hold the wheel to be broken and automatically operating means adapted to tilt said anvil to discharge the broken wheel and to return the anvil to normal position.

1,579,331. MAGNETO. TERRENCE G. LOUIS, Springfield, Mass. Filed Apr. 17, 1923. Serial No. 632,688. 3 Claims. (Cl. 171—209.)



2. In a magneto, two cores arranged in spaced parallel relation and made up of laminations, integral extensions provided on each of the latter at one end to form oppositely directed substantially U-shaped holding clips, a frame, a series of laminations in the form of substantially U-shaped holding clips arranged between the first named laminations and the frame and secured together with the first named laminations to said frame to increase the width of the clips afforded by the latter, and one or more magnets having their ends received in said clips.

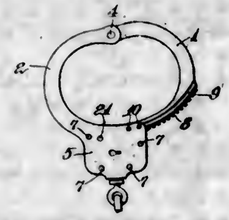
1,579,332. INTERNAL-COMBUSTION ENGINE. JOHN F. METTEN, Philadelphia, Pa. Filed June 9, 1922. Serial No. 567,026. 12 Claims. (Cl. 123—58.)



1. In an oil engine, the combination with the engine cylinder, of a combustion chamber extending lengthwise at the side of said cylinder, intake and exhaust valves, and means for injecting fuel oil in said chamber in opposite directions.

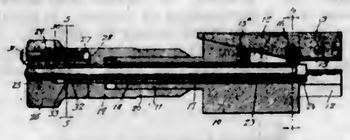
1,579,333. HANDCUFF-LOCK CONSTRUCTION. ELMER E. NEAL, Langhorne, Pa., assignor to Peerless Handcuff Company, Springfield, Mass., a Corporation of Massachusetts. Filed Sept. 12, 1922. Serial No. 587,723. 7 Claims. (Cl. 70—24.)

1. The combination in a handcuff of two locking arms, one pivoted to the other and arranged to swing through a complete circle, a member located on the other arm and rotatable about a fixed axis and adapted to be operatively engaged and positively rotated by said first arm during a part of the swinging movement of the latter, a latch normally operating to check the rotation of said member in one direction while allowing it to



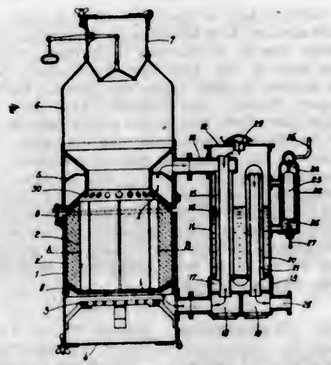
rotate freely in another direction, thereby locking said first arm against swinging movement in one direction only, and a casing enclosing said member and latch.

1,579,334. MICROMETRIC PLUG GAUGE. GUSTAVE PONCET, Chicago, Ill. Filed Oct. 2, 1919. Serial No. 327,970. 4 Claims. (Cl. 33—178.)



1. A plug gauge comprising a cylindrical body provided with a sleeve extension coaxial with the said body, said body being formed with a series of symmetrically disposed guideways inclined at an angle to the axis of the body, jaws slidably fitting in corresponding guideways, a centrally disposed radially extending non-rotary member having means engaging said jaws for moving the same longitudinally, a plunger contained within said sleeve extension threaded therein and having an end engaging said member, a rod contained within said plunger and having an enlargement for engaging the opposite side of said member, and means for forcing said enlargement towards said plunger to lock said plunger against rotary movement in said sleeve.

1,579,335. GAS PRODUCER FOR SELF-PROPELLED VEHICLES. LÉON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed June 11, 1924. Serial No. 719,304. 2 Claims. (Cl. 48—63.)



1. A gas producer comprising a lower gas generating chamber having a grate therein and a downwardly and inwardly inclined annular flange above said grate, a gas outlet suction box removably secured to the top of said chamber and having a frusto-conical bottom wall.

and a refractory lining including segmental blocks having bevelled ends and interposed packings of asbestos clamped between the frusto-conical bottom of the suction box and the inclined flange.

1,579,336. COLLECTOR FOR ELECTRIC CARS. HANS SILBERMANN, Metgethen, near Konigsberg, Germany, assignor to C. Conradty, Nuremberg, Germany. Filed Aug. 26, 1921. Serial No. 495,525. 6 Claims. (Cl. 191—55.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

2. In a collector of the bow type, the combination, with the metallic bow comprising in its upper branch a pair of spaced metallic strips, of a multiplicity of small separately supported carbon contact members disposed between said strips.

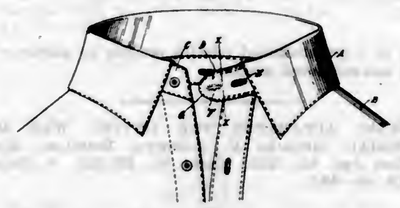
1,579,337. COLLECTOR. HEINRICH JAPP, Nuremberg, Germany, assignor to C. Conradty, Nuremberg, Germany. Filed Aug. 27, 1921, Serial No. 496,100. Renewed Jan. 13, 1926. 13 Claims. (Cl. 191—55.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A collector, comprising a rod, and a tubular carbon shoe surrounding said rod, rotatable thereon and within which said rod extends.

1,579,338. HEART-AFFECTING PURE GLUCOSIDE FROM BULBUS SCILLÆ AND PROCESS FOR PRODUCING THE SAME. EMIL SUTER, Basel, Switzerland, assignor to The Society Chemical Works formerly Sandoz, Basel, Switzerland. Filed May 26, 1924. Serial No. 716,050. 4 Claims. (Cl. 167—4.)

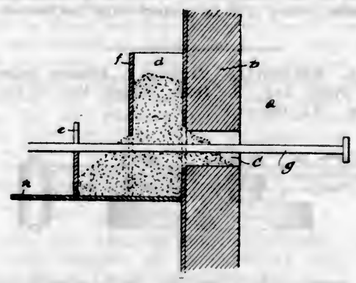
1. A process for the manufacture of heart-affecting pure glucoside from bulbus scillæ, consisting in removing from a watery solution of an extract of squills the glucoside in form of a compound with natural tannin by shaking up with an organic solvent not miscible with water, evaporating the solution in vacuo to dryness at low temperature, dissolving the residue in a mixture of water and an organic solvent, liberating the glucoside by addition of a tannin precipitating agent, filtering, precipitating the excess of tannin precipitating agent in the filtrate, evaporating the solution obtained by filtering off from the solid matter in vacuo to dryness at low temperature, extracting the glucoside from the residue containing the glucoside with salts by means of an organic solvent leaving said salts undissolved and evaporating the thus obtained solution to dryness at low temperature.

1,579,339. COLLAR. GEORGE T. SWEETSER, New York, N. Y. Filed May 21, 1925. Serial No. 31,784. 8 Claims. (Cl. 2—140.)



8. A collar having a neckband formed of a plurality of co-extensive plies of material and having an extended tab portion at one end thereof, the outer ply of the tab portion being loose with respect to the inner plies, a buttonhole at the end of the band having the tab and extending through all of the plies, and a buttonhole extending through the inner plies of the tab portion, whereby it will be concealed by the loose outer ply of the tab.

1,579,340. METHOD OF OPERATION IN METALLURGICAL AND LIKE PROCESSES. FILIP THARALDSEN, Oslo, Norway. Filed May 25, 1922. Serial No. 563,614. 3 Claims. (Cl. 266—8.)



1. A furnace wall having an opening through which to introduce a tool and also having holding means on its outer side including a plurality of walls spaced apart and provided with openings in line with said opening in the furnace wall, and a heap of pulverulent material in said holding means and extending through certain of its wall openings into the opening in the furnace wall and also into contiguous compartments thereof.

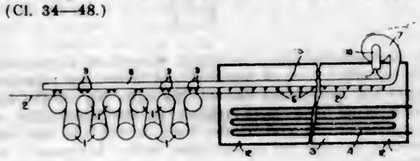
1,579,341. GAME. JAY K. ALLEN, New York, N. Y., assignor of one-half to Lawrence F. Sherman, Pelham Manor, N. Y. Filed Jan. 1, 1923. Serial No. 610,077. 15 Claims. (Cl. 273—147.)

1. A counter or similar device for games and the like, comprising, in combination, a plurality of members adapted for relative rotation about an axis lying substantially within the plane of one of said members, and a spindle passing through said axis and associated with said last-mentioned member, certain of said members

bearing one or more representations for cooperation of certain of the representations on a plurality of said mem-

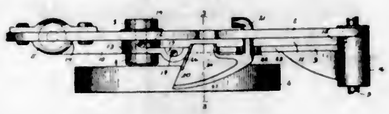
bers in a predetermined relative position or positions of said last-mentioned members.

1,579,342. APPARATUS FOR DRYING WEB MATERIAL. BERNARD R. ANDREWS, Braintree, Mass. Filed Apr. 19, 1922. Serial No. 555,561. 4 Claims. (Cl. 34—48.)



1. In a drying apparatus, the combination with a plurality of heated drying surfaces with which the material to be dried has contact and by which it is partially dried, of a heated drying room in which the material is also partially dried, said drying room having provision to admit fresh air thereto and to discharge air therefrom, and means to convey air discharged from the drying room and in the condition in which it is discharged to the material where it is in contact with the heated surfaces.

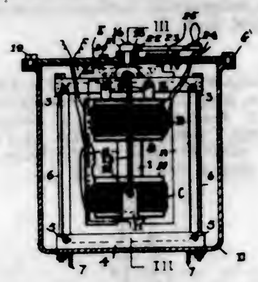
1,579,343. WINDMILL. VAUGHAN L. ANDREW, Superior, Wis. Filed Aug. 8, 1925. Serial No. 49,101. 4 Claims. (Cl. 184—4.)



1. In combination, a windmill head including an oil bowl, a rocker arm pivotally mounted above said bowl having journal bearings operably associated therewith, an internal gear wheel within the bowl co-operatively connected with the rocking arm, an oil channel longitudinally of the arm and upon one side thereof, an oil scraping dipper pivotally carried by the arm and intermittently engaging the outer surface of the gear wheel for conveying oil therefrom into the channel and thence to the journal bearings of the arm.

1,579,344. TRANSFORMER. JAMES C. ARMOR, West View Borough, Pa. Filed Dec. 7, 1921. Serial No. 520,554. 3 Claims. (Cl. 171—119.)

1. In an alternating current transformer for arc-welding and like purposes, the combination of a vertically disposed core, a primary winding and a secondary winding mounted on said core, one above the other, the upper of said windings being stationary relative to said core while the lower of said windings is movable on said core to permit current regulation, and means for supporting the lower winding in its adjusted position, whereby the forces

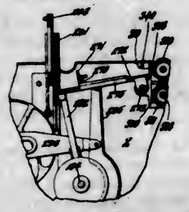


of gravity and repulsion operate in the same direction on said lower winding and chattering is prevented.

1,579,345. PLATE-CARRYING FRAME FOR PHOTOGRAPHIC APPARATUS. JEAN LOUIS BAILLE, Paris, France, assignor to Société: Baille-Lemaire-et-Fils, Paris, France, a Corporation of France. Filed Feb. 6, 1923. Serial No. 617,370. 3 Claims. (Cl. 95—66.)

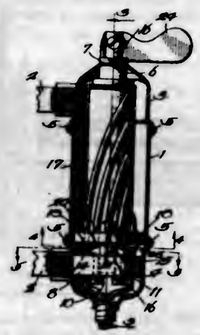
1. In a plate-holder of the character described, a case, a carrier for insertion in the case and provided with opposed longitudinal grooves along the marginal edges adapted to receive the sensitive plate to allow of the easy introduction of the plate, springs secured to the back of the case passing through the carrier in order to maintain the sensitive face of the plate in a predetermined plane in the case, and means provided on the carrier and on the case to facilitate the easy introduction of the carrier into the case.

1,579,346. TAKE-UP FOR LOOMS. EARL F. BALDWIN, Gardner, Mass., assignor to American Fibre Corporation, Gardner, Mass., a Corporation of Massachusetts. Original application filed Dec. 12, 1921, Serial No. 521,624. Divided and this application filed Nov. 25, 1922. Serial No. 603,338. 3 Claims. (Cl. 139—305.)



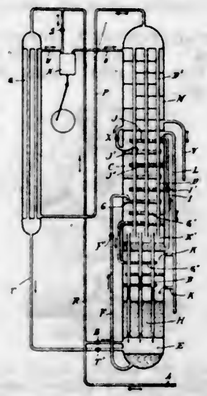
2. In a loom, a fabric take-up mechanism including a fluted fabric engaging roll the flutes corresponding in position to individual warp strands.

1,579,347. RHEOSTAT. FREDERIC H. BULLINGER, Yonkers, N. Y., assignor to Lula M. Purviance, Los Angeles, Calif. Filed June 28, 1924, Serial No. 722,962. Renewed Dec. 23, 1925. 4 Claims. (Cl. 201—48.)



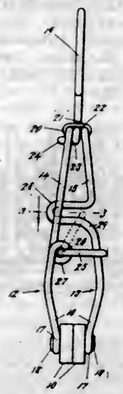
1. The combination with a hollow casing having a removable cap at one end; of a bearing within the casing at the other end thereof; a shaft surrounded by the casing and having one end journaled in said bearing and its other end journaled in said cap; a handle upon the exterior of the casing and connected with the latter end of the shaft; a sectional resistance within the casing and disposed between said bearing and handle, said resistance being carried by and turning with the shaft; a contact carrier disposed between said sectional resistance and bearing, this carrier being supported by and turning with the shaft; a row of contacts upon the carrier and individually connected with the different resistance sections, these contacts having contacting ends facing said bearing; and switch arms carried by the bearing and having engagement with said contacts successively as the handle is turned.

1,579,348. MANUFACTURE OF HYDROGEN BY THE PARTIAL LIQUEFACTION OF GASEOUS MIXTURES. GEORGES CLAUDE, Paris, France, assignor, by mesne assignments, to Lazote Inc., a Corporation of Delaware. Filed Jan. 7, 1922. Serial No. 527,542. 8 Claims. (Cl. 183—115.)



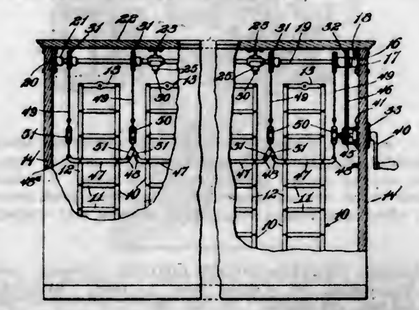
1. A process for the manufacture of hydrogen by partial liquefaction of mixtures of gases of which the main constituents are hydrogen, nitrogen, carbon-monoxide and methane, such as the mixtures of gases comprising the aforesaid constituents obtained from coke oven or like gases after subjecting them to a preliminary purification treatment, which process consists in subjecting the compressed and cold gaseous mixture to be treated to temperatures which decrease progressively from the temperature at which methan boils under about atmospheric pressure to a temperature about that at which nitrogen freezes under about atmospheric pressure, a gas containing substantially the whole of the hydrogen being collected and the liquids progressively formed being prevented from reaching regions where they might freeze by flowing back in the reverse direction to the flow of the gaseous mixture treated.

1,579,349. GARMENT HANGER. CLARENCE C. CRISS, Arkansas City, Kans. Continuation of application Serial No. 747,761, filed Nov. 24, 1924. This application filed Sept. 24, 1925. Serial No. 58,348. 3 Claims. (Cl. 223—68.)



1. A garment hanger comprising two wire members having hingedly connected loops with depending limbs, jaws carried by the lower ends of said limbs of the two members, the limbs of one loop having offsets between the hings and jaws extending toward the other loop and adapted to extend across the limbs of said other loop when the jaws are moved together, and a latch hingedly connected to the secondnamed loop and straddling the firstnamed loop and adapted to be swung into said offsets to permit said members to be swung apart, the limbs of the firstnamed loop having cam portions extending from said offsets for the engagement of said latch when swung out of said offsets in order to clamp the jaws together.

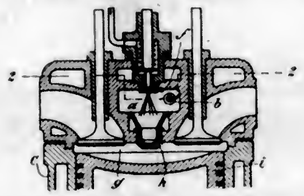
1,579,350. EGG TURNER FOR INCUBATORS. JOSEPH L. DAVIS, Abingdon, Ill. Filed Feb. 10, 1925. Serial No. 8,281. 4 Claims. (Cl. 119—44.)



3. In combination with an incubator having a plurality of units of superposed pivotally supported trays therein, the trays of each unit being connected at their side

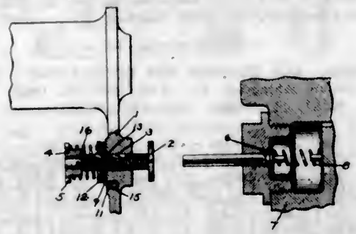
edges by vertically extending bars, a horizontal bar connecting the vertically extending bars of each unit and pivotally engaged with each thereof, connections between adjacent ends of adjacent horizontal bars whereby they may be caused to move in unison, a windlass, connections between said connections and the windlass for moving alternate connections between units in opposite directions, said connections between bars including a link pivoted to each end of each bar, the connections between the windlass and the connections between said bars including a flexible element having at its lower end a turnbuckle, the turnbuckle including a hook engaged in eyes formed upon the free ends of the links at the adjacent ends of the horizontal bars.

1,579,351. INTERNAL-COMBUSTION ENGINE. KURT ELTZE, Mannheim-Kafertal, Germany, assignor to Benz & Cie., Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany, a Corporation of Germany. Filed Jan. 17, 1925. Serial No. 3,071. 1 Claim. (Cl. 123—33.)



In an internal combustion motor, a combustion chamber, a cylindrical ignition chamber adjacent said combustion chamber, a restricted passage connection the said chambers, a nozzle projecting into said ignition chamber for injecting a spray of fuel therein, and an igniter plug having a cylindrical portion extending into said ignition chamber tangentially to the periphery thereof and positioned out of the path of said spray.

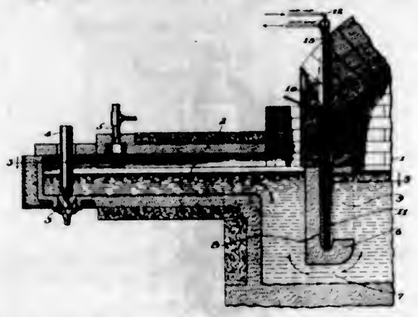
1,579,352. GOVERNOR TAPPET. CLYDE C. FARMER, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 12, 1925. Serial No. 29,732. 3 Claims. (Cl. 303—1.)



1. A tappet, a member in which said tappet has screw-threaded engagement, a washer mounted on said tappet and secured against rotation with the tappet, a washer mounted on and rotatable with the tappet, and means for effecting a locking engagement between said washers.

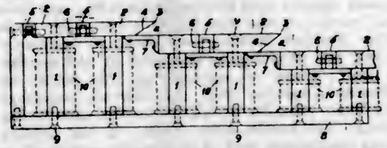
1,579,353. WATER-COOLED BRIDGE. ROBERT GOOD, Washington, Pa. Filed Nov. 1, 1924. Serial No. 747,360. 20 Claims. (Cl. 49—55.)

20. A glass furnace including an individual bridge, said bridge having a pocket therein, and said bridge also having means to permit the flow of glass from the melting tank to the pocket and vice versa, a cooler adapted to be inserted in said pocket, said cooler comprising a hollow metallic member and water inlet and outlet



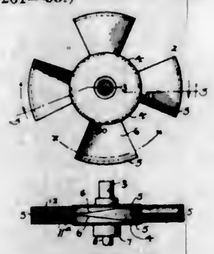
pipes associated with said hollow member, the water inlet pipe extending to a point adjacent the bottom of the hollow member.

1,579,354. MAGNETIC SEPARATOR. ROBERT GREAVES, Wallasey, England. Filed Mar. 3, 1923. Serial No. 622,655. 3 Claims. (Cl. 209—223.)



1. A magnetic separator for the extraction of particles of iron or steel from flowing loose material, comprising a series of magnets arranged one behind the other in stepped formation downward from the feeding-in end to the discharge end for the material, said stepped formation providing pockets for the collection and retention of the magnetic particles, at the bottoms of which pockets the upper ends of the pole pieces are located.

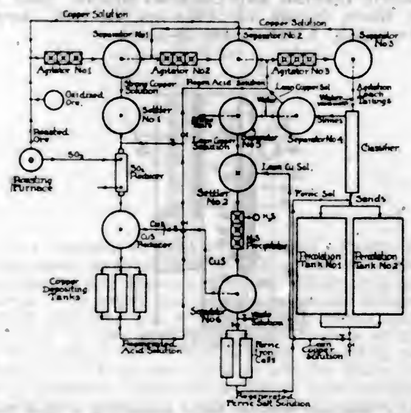
1,579,355. APPARATUS FOR TREATING LIQUIDS WITH GASES. WILLIAM E. GREENAWALT, Denver, Colo. Filed June 11, 1923. Serial No. 644,711. 8 Claims. (Cl. 261—93.)



1. In apparatus for treating liquid with gas, a tank adapted to contain liquid, a hollow rotary member having a gas chamber at its central portion journaled on a vertical axis within the tank and submerged in the liquid, said rotary member having hollow members forming discharge passages projecting outwardly from the periphery of the gas chamber with open spaces between them within the area of the peripheral circle of the rotary member and having top walls disposed so as to form acute angles with the plane of rotation and adapted

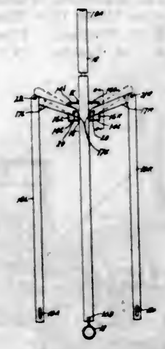
to create upward currents of liquid in the tank through the spaces between the discharge passages on the rotation of the rotary member, and means for supplying gas and liquid to the interior of said rotary member, said interior of the hollow rotary member being arranged so that the gas and liquid will be ejected together through the discharge passages into the surrounding liquid in the tank.

1,579,356. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Jan. 27, 1925. Serial No. 5,141. 21 Claims. (Cl. 204—10.)



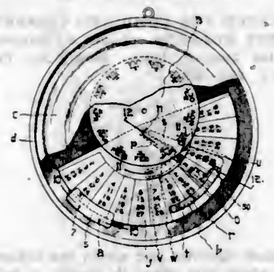
1. A process of treating copper ores comprising, agitating the ore with an acid solution to extract a portion of the copper, separating the copper solution from the ore and separating the ore sands from the ore slimes, precipitating the copper from the copper solution obtained by agitation, and then treating the sands by percolation with said barren solution from which the copper was precipitated.

1,579,357. PICTURE-HANGING DEVICE. HENRY GROTHE, Le Sueur Center, Minn. Filed Feb. 25, 1925. Serial No. 11,446. 4 Claims. (Cl. 40—145.6.)



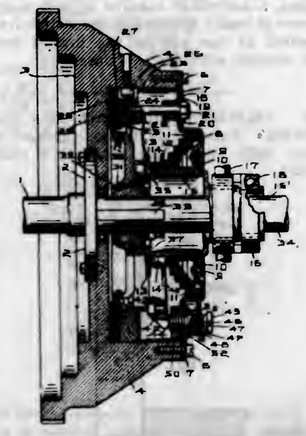
1. In a picture hanging device, a main vertically disposed bar adapted to be suspended from a fixed element, a cross member slidable on said bar, vertically tiltable levers pivotally secured in said cross member one at each side of the main bar and adapted to simultaneously engage opposite sides of the bar, a depending arm pivotally secured to the outer end portion of each lever and means for detachably securing the lower end of each arm to a frame.

1,579,358. CALENDAR. HENRY L. GULLINS, Montreal, Quebec, Canada, assignor of one-half to John Hyde, Westmount, Quebec, Canada. Filed May 12, 1924. Serial No. 712,661. 6 Claims. (Cl. 40—113.)



4. In a perpetual calendar the combination with a case comprising a face plate and a back having a curved slot therein of reduced width adjacent one end, a pivoted day number card with numbers arranged in rows thereon concentric to the pivot, said face plate having an opening adapted to expose certain of the numbers, an operating button secured to said card and protruding through the slot in the back plate, said button being too large to enter the reduced portion of the slot, and a screen for concealing the end numbers of a month, said screen consisting of a unitary member comprising a radial portion, the inner end of which is pivoted at the pivot of the day card and an angular portion which extends laterally from the outer end of the radial portion and is curved concentrically with the row of numbers to be concealed by it and an arm extending laterally from the radial portion and formed integrally therewith, said arm being slotted to permit the passage therethrough of the said button, and a second button for manually operating the screen, said second button extending through the slot in the back plate and being adapted to enter the narrower width of the latter.

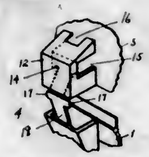
1,579,359. CLUTCH. GEORGE E. HALLENBECK, Toledo, Ohio, assignor to Charles B. Rose, Kent, Ohio. Filed Oct. 6, 1921. Serial No. 505,689. 4 Claims. (Cl. 192—68.)



1. In a clutch, a sheet metal back plate, a sheet metal sleeve attached thereto and extending inwardly near the center of the plate, a second sheet metal sleeve slidably mounted in the first and having a flange on its inner end, a sheet metal collar surrounding the second sleeve,

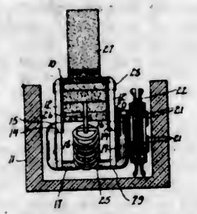
a clutch spring between the collar and the back plate, and clutch operating arms having portions mounted between the collar and the flange on the second sleeve.

1,579,360. LATCH FOR COMBINED CIGARETTE AND MATCH BOX HOLDERS. LOUIS J. HARTWIG, Utica, N. Y. Filed June 7, 1924. Serial No. 718,651. 1 Claim. (Cl. 292—86.)



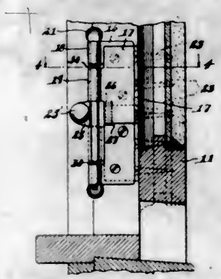
In a combined cigarette and match box holder, a cover, a casing to which said cover is hinged, a hollow latch casing mounted to said casing, a tapering groove in said casing, shoulders formed in said casing at the end of said groove, a latch having laterally projecting sides adapted to engage said groove and shoulders.

1,579,361. ELECTRIC SNAP SWITCH. NEIL G. HAYES, Stratford, Conn. Filed Dec. 15, 1925. Serial No. 75,519. 2 Claims. (Cl. 200—67.)



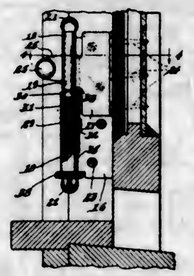
1. In an electric switch, the combination with a switch-frame having a mounting-plate and two inwardly-bent, parallel arms formed with bearing-seats, of a U-shaped yoke formed from wire with inwardly-turned ends for entrance into the bearing-seats and with a centrally-arranged, upwardly-turned bend, a clip formed from sheet-metal and folded around one side of the yoke and formed with fingers, a switch-bar engaged by said fingers, an operating-lever pivotally mounted in the switch-frame, and a spring seated at one end on the inward bend in the yoke and coupled with the said lever.

1,579,362. SELF-LOCKING HINGE FOR CASEMENT WINDOWS. JOHN L. C. HEINZ, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,511. 3 Claims. (Cl. 16—132.)



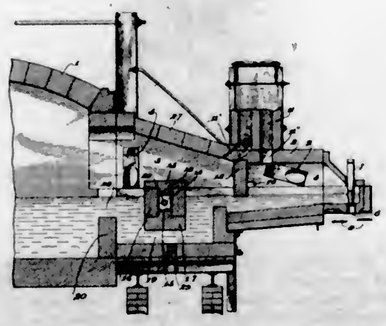
3. A hinge comprising a hinge part with spaced pintle barrels, another hinge part with a pintle barrel movable between said spaced barrels and longitudinally on the other hinge part, shock absorbing resilient means between each two of said pintle barrels, a finger swingably mounted on the first hinge part at a certain position intermediate the spaced barrels, and a spring pressing on said finger to automatically engage it across the ends of the pintle barrel on the second hinge part and to lock the latter barrel in position either above or below said swingable finger, said hinge parts being constructed and arranged symmetrically so as to be reversible and mountable at either side of the window.

1,579,363. CASEMENT-WINDOW HINGE WITH AUTOMATIC LIFTING AND LOCKING MEANS. JOHN L. C. HEINZ, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,512. 5 Claims. (Cl. 16—132.)



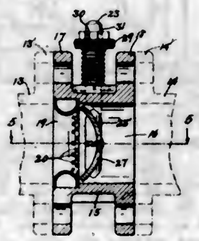
1. A casement window hinge comprising a part fastenable on the window sash and a part fastenable on the window frame, the hinge part with the window sash being movable vertically on the other part and frame, spring means for automatically moving said window sash and attached hinge part on the frame and other hinge part, a collar on said spring means to act as a pivot seat for swinging the hinge part with the window thereon, and a spring pressed locking member for automatically holding said window and hinge part in the lower closed position.

1,579,364. INDIVIDUAL BRIDGE WALL FOR FLOW SPOUTS. GLEN E. HENNING, Wheeling, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 2, 1925. Serial No. 12,679. 36 Claims. (Cl. 49—55.)



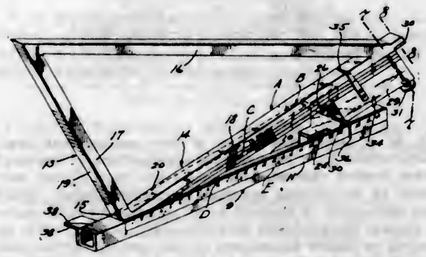
1. In a glass furnace, the combination of a bridgeless tank, a flow spout communicating therewith, and an individual bridge wall provided in said flow spout.

1,579,365. AUTOMATIC FUEL SAVER AND AUXILIARY AIR REGULATOR. EMIL HOLLMIG, Chicago, Ill., assignor, by mesne assignments, to The Klein Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed May 1, 1925. Serial No. 27,231. 4 Claims. (Cl. 123—124.)



1. An auxiliary air inlet device adapted to admit air to the intake manifold of an internal combustion engine, comprising a body having a cylindrical channel to permit passage of the charge therethrough, an annular U-shaped member projecting into said channel and having perforations in its side to admit air in the direction of flow of the charge, a concave vane pivotally mounted in said channel so as to be acted upon by both the charge and the air admitted through said member, a valve controlled by said vane adapted to admit air to said member, and adjustable resilient means tending to close said valve and hold said vane in a position of maximum obstruction.

1,579,366. GEOMETRICAL INSTRUMENT FOR LAYING OUT ROOFS, HOPPERS, AND THE LIKE. JOHN M. HUISENFELDT, Minneapolis, Minn. Filed Mar. 3, 1924. Serial No. 696,521. 11 Claims. (Cl. 33—90.)

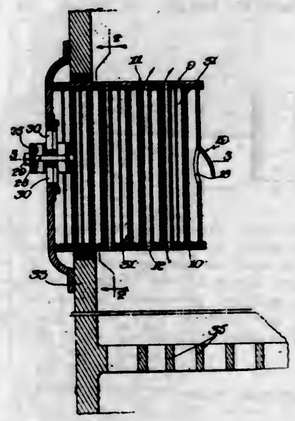


1. A geometrical instrument comprising a base bar, a square having diverging straight edges, and a hinge connecting the square at the intersection of its straight edges to the base bar, the straight edge of the base bar and the two straight edges of the square being in planes that intersect at the axis of the hinge, said square being arranged to be set with one of its straight edges perpendicular to the straight edge of the base bar and with its other straight edge in the plane of the straight edge of the base bar, said base bar and perpendicular straight edge of the square having co-operating graduations, the graduations on the base bar being longitudinally spaced and the graduations on said straight edge being transversely spaced.

1,579,367. JOINTED FIGURE TOY. HARRY E. HYMES, Mamaroneck, N. Y. Filed May 14, 1923. Serial No. 638,705. 3 Claims. (Cl. 46—40.)

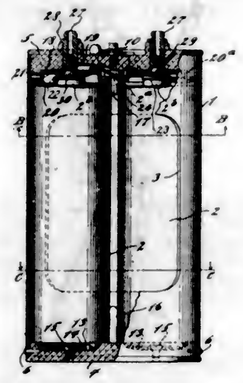
1. A toy consisting of a plurality of sections constituting the body member, a plurality of sections constituting each limb member, a head member and a plurality of sections constituting the neck member, said sections being joined together by joints arranged to articulate in longitudinal fixed planes at an angle to each other.

1,579,368. AIR HEATER FOR FURNACES. HARRY A. IVES, Brooklyn, N. Y., assignor to Thrift Fuel Saver Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1924. Serial No. 758,327. 14 Claims. (Cl. 110—175.)



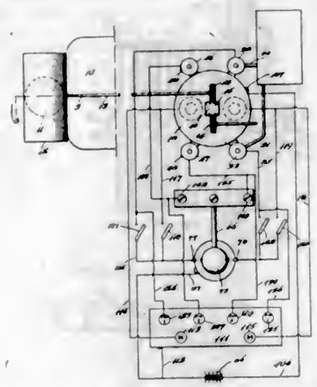
1. An air heater adapted for attachment to a furnace door having a damper and comprising a casing having an air inlet mouth and an exit for heated air and provided with a transverse passage for the hot furnace gases, and means including resilient means for connecting the casing to the door with the front end of said casing embracing the damper.

1,579,369. BATTERY CARRIER AND CONNECTER. HENRY KOCH and FRIEDERICH H. N. WOHLERS, Jamaica, N. Y., and WILLIAM NAGLEY, Rahway, N. J., assignors to Dictograph Products Corporation, a Corporation of Virginia. Filed Aug. 23, 1921. Serial No. 494,539. 5 Claims. (Cl. 136—109.)



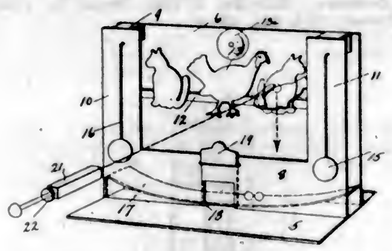
1. A battery carrier and connecter comprising a casing adapted to receive a plurality of battery cells side by side and having a movable end to permit of the removal or insertion of the cells, pins projecting from the casing slidably through said movable end and having undercut shoulders on their outer ends, securing means mounted on the movable end for movement beneath the undercut shoulders to clamp the movable end to the casing, and connecters adapted to be engaged by the battery cell terminals when the cells are enclosed in the casing, whereby the cells are electrically connected in the desired order.

1,579,370. CONTROL MECHANISM FOR AEROPLANES. HENRY E. KRAMMER, New York, N. Y. Filed Feb. 16, 1924. Serial No. 693,159. 28 Claims. (Cl. 244—29.)



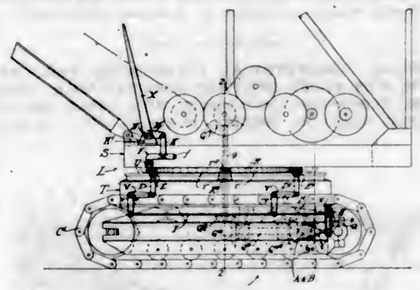
1. In an aeroplane, a control vane, an actuating device including a fluid tight casing, a plunger mounted to reciprocate in said casing and operatively connected to said vane to actuate the same, and separate means actuable both selectively and jointly for moving said plunger in said casing, one of said means comprising pneumatic mechanism and the other comprising electromagnets.

1,579,371. SHOOTING-GALLERY TOY. ISRAEL KUSSNER, New York, N. Y. Filed June 2, 1925. Serial No. 34,376. 2 Claims. (Cl. 273—101.)



1. A toy of the class described comprising a base, a rear wall and an open, spaced, front wall, a supporting shaft mounted between the sides of the front wall and across the opening thereof, a plurality of independent, hingedly connected objects carried by the shaft, a curved runway on the base between the front and rear wall and an opening in the bottom portion of the front wall whereby projectiles discharged at the said objects may be removed.

1,579,372. MEANS FOR STEERING CREEPER TRACTORS. FREDERICK W. LARKWORTHY, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, a Corporation. Filed Nov. 20, 1925. Serial No. 70,307. 3 Claims. (Cl. 180—9.2.)

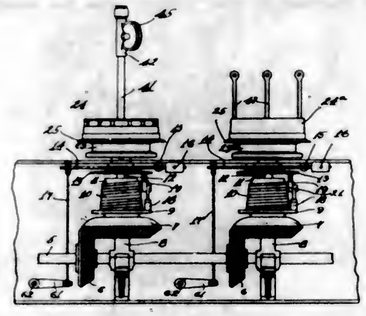


1. In a locomotive crane of the endless belt type, characterized by a revolvable superstructure, a source of power located thereon, and means for transmitting such power to belt-driving sprocket mechanism below, which said mechanism is adapted to be actuated by said power to operate the sprockets simultaneously, or separately, according as clutch mechanism on the tractor for the purpose is moved into certain designed relations with said sprocket mechanism, a means for actuating said clutch mechanism into said, or any of said, designed relations, comprising the combination of a diametrically bisected ring horizontally disposed on the tractor concentrically of the axis of rotation of said superstructure, and having its two sections pivoted to said tractor, and a lever actuated system of connections between predetermined points on the tractor beneath said sections and said clutch mechanism, substantially as shown and described.

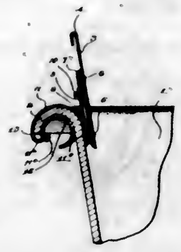
1,579,373. WIRE-DRAWING MACHINE. JOHN W. LAUREN, Sterling, Ill. Filed July 25, 1922. Serial No. 577,339. 4 Claims. (Cl. 205—16.)

1. In a wire drawing machine, a bench, a plurality of wire drawing units supported upon said bench, driving

mechanism for each unit comprising a releasable clutching element, means automatically actuated by the breaking of a wire for declutching said element, and manually actuated means for simultaneously declutching all the units.

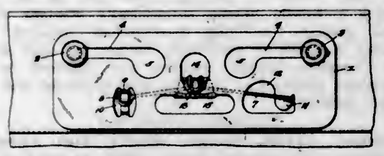


1,579,374. SPLASH GUARD FOR SINKS. JOHN J. LEIGHTON, Rochester, N. Y. Filed June 16, 1926. Serial No. 37,565. 2 Claims. (Cl. 4—187.)



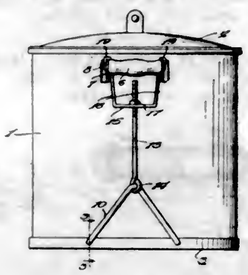
1. A splash guard having a guide on the rear face thereof, and a supporting arm for the splash guard, curved to conform to the roll of a sink and having a portion adjustable on said guide.

1,579,375. TROUSERS SUPPORTER. WILLIAM J. LEVEY, Schenectady, N. Y. Filed May 12, 1925. Serial No. 29,772. 6 Claims. (Cl. 241—7.)



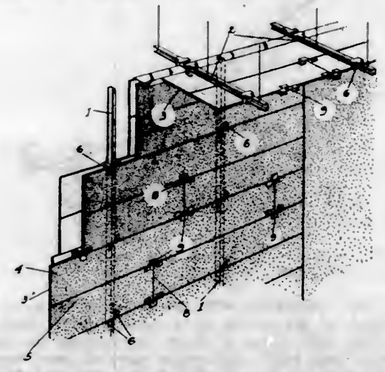
1. A trousers supporter comprising a plate provided at the upper portion with spaced longitudinal slots having enlarged inner portions for the passage of a button and being of a width less than the diameter of the heads of the buttons beyond the enlarged portions, the plate having apertures located between the said slots and adapted to have a portion of a shirt passed through them, and a resilient clamping member carried on one side of the plate for engaging the shirt at the said apertures to clamp the shirt in said apertures and thereby secure the device to the shirt.

1,579,376. WASHBOILER PROTECTOR. JOHN C. MCMEEKEN, Ewen, Mich. Filed Sept. 22, 1925. Serial No. 57,887. 7 Claims. (Cl. 68—30.)



1. The combination with a receptacle including a bottom, walls extending upwardly from said bottom, and handles carried by said walls and each including side arms secured at their inner ends to the walls, of a guard for said receptacle comprising a band fitted about the lower end thereof and having a horizontal flange engaging the bottom of the receptacle and a vertical flange engaging the outer faces of said walls, and means suspending said band from said handles.

1,579,377. LATHING STRUCTURE FOR PLASTER WALLS. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed July 2, 1925. Serial No. 40,986. 5 Claims. (Cl. 72—46.)



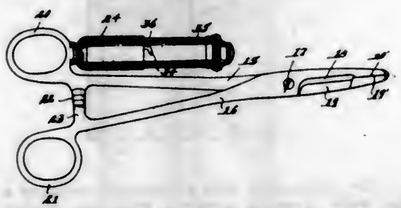
1. A lathing structure for plaster walls comprising supporting studs, lathing strips laid across the front faces of the studs and overlapping the same so that the free ends of adjacent strips meet at points between and upsupported by a stud, means for securing such free meeting and unsupported ends together, and means securing the strips in place against the faces of the studs.

1,579,378. BARREL HEAD. GIUSEPPE MARATEA, Brooklyn, N. Y. Filed Feb. 24, 1925. Serial No. 11,355. 2 Claims. (Cl. 217—76.)

1. A barrel head including spaced side sections, a rigid bar extending across the space between said sections intermediate the ends thereof and having its end

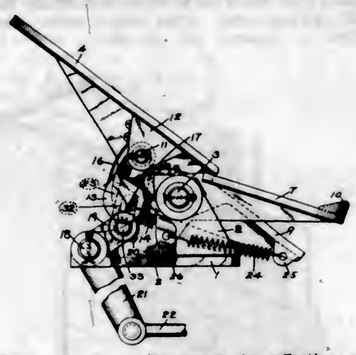
portions firmly secured to the undersurfaces of the sections, and a closure slid into the space between said sections with its side edge portions in underlying relation to the adjacent side edges of said sections, said closure resting upon said bar when in a closed position.

1,579,379. SURGICAL INSTRUMENT. MYER M. MABEL, Chicago, Ill. Filed July 6, 1925. Serial No. 41,504. 8 Claims. (Cl. 128—340.)



1. A surgical instrument including a pair of pivotally connected blades characterized by having means for holding a needle and cutting stitching material; a tank holder for stitching material on one blade and a needle threader arranged in relation to said tank, substantially as described.

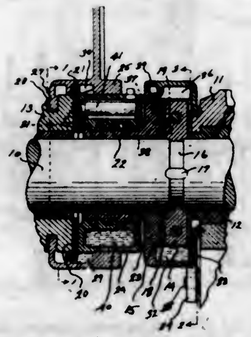
1,579,380. AUTOMOTIVE BRAKE DEVICE. ANDREW C. MATHIESON, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 28, 1924. Serial No. 728,528. 12 Claims. (Cl. 74—81.)



1. The combination with means for effecting an application of the brakes on a vehicle, of a pedal for operating said means a device for limiting the movement of said pedal, and means operated upon removal of the foot of the operator from said pedal for releasing said device.

1,579,381. LUBRICATING SYSTEM FOR THRUST MECHANISMS. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,501. 9 Claims. (Cl. 192—113.)

1. In a device of the class described, a bearing, a shaft rotatably supported therein, a clutch member on said shaft and movable longitudinally thereof, thrust-producing means between the bearing and said clutch member comprising relatively movable parts and means whereby they may be moved relatively to force the clutch member away from the bearing, a thrust-resisting member adjacent the bearing and connected to the shaft to prevent longitudinal motion of said member relative to said shaft, said thrust-producing means having a thrust surface at either end and one of said thrust surfaces contacting with a surface of said clutch member and the other of said surfaces contacting with the thrust surface of said thrust-resisting member, a lubricant chamber surrounding at least one of the thrust surfaces on the thrust-producing means, with some of the rotating parts adjacent said surface arranged to carry lubricant, by their rotation, from the chamber to



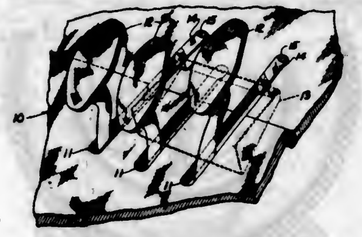
said thrust surface, and means, including a lubricant reservoir and wicking from the reservoir to said thrust surface, to supply lubricant to said thrust surface inside its periphery.

1,579,382. HAND DEVICE FOR BEATING FABRICS AND THE LIKE. JAMES GARTH MITCHELL, Belfast, Ireland. Filed May 12, 1924. Serial No. 712,767. 1 Claim. (Cl. 15—141.)

A hand device for beating fabrics and the like comprising a handle having substantially straight transverse passages extending therethrough; covered wire beating members of oval form, having the ends of the wire members twisted together and disposed in the transverse passages so that the wire is braced and protected thereby.

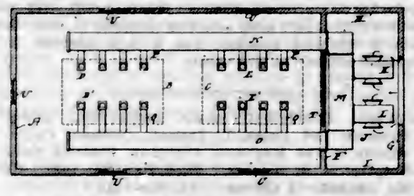
1,579,383. FLOOR-BOARD SHIELD FOR AUTOMOBILES. GUS MOEBES, Visalia, Calif., assignor of one-half to Melvin J. Wheeler, Visalia, Calif. Filed Feb. 28, 1924. Serial No. 695,643. 1 Claim. (Cl. 180—77.)

In combination with an automobile floor board having openings therein through which levers project, a shield member located beneath the board and having a main wall disposed at an angle to the under face of the board to permit clearance for operating the levers, the sides and upper end of said main wall being upturned so as to fit against the under side of the board, said upturned sides tapering toward the upturned upper end whereby to provide clearance for the operating levers, and fastening clips extending from the upper end of the shield and through the openings contiguous to the upper ends thereof, said fastening clips after passing through said openings being bent parallel to the upper



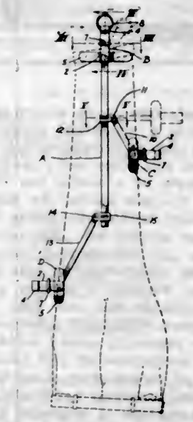
surface of the board and in contact therewith above the openings whereby they may be secured to the board to hold the shield in place.

1,579,384. FORCED-DRAFT APPARATUS. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Jan. 28, 1921. Serial No. 440,822. 2 Claims. (Cl. 110—72.)



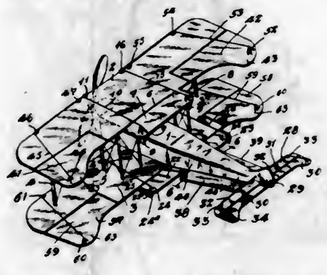
1. An industrial installation comprising a boiler room and boiler furnace, a forced draft duct leading to the combustion chamber of said furnace, means for forcing air for combustion only through said duct and means for bringing the inlet of said duct at will into communication with either the interior of said boiler room so as to take out the warm air therefrom and keep the interior cool, or the outer atmosphere so as to keep the interior warm.

1,579,385. TROUSER HOLDING AND STRETCHING DEVICE. OLAF A. NELSON, San Francisco, Calif. Filed Dec. 1, 1924. Serial No. 753,183. 4 Claims. (Cl. 223—19.)



1. A device of the character described comprising a central bar, a clamping member pivotally secured to one end of the bar, a pair of clutch members slidably mounted on the bar and individually adjustable longitudinally of the bar, and a pair of clamping members secured one to each clutch member and disposed on opposite sides of the bar.

1,579,386. AEROPLANE. CLARENCE WILLIAM NEWSON, Salt Lake City, Utah. Filed Sept. 24, 1924. Serial No. 739,631. 2 Claims. (Cl. 244—29.)

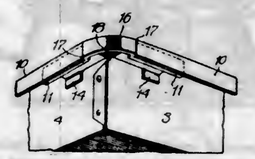


1. A supporting surface for flying machines comprising vertically spaced planes provided at the corners of their trailing edges with ailerons forming part of the planes, said ailerons being extended beyond the trailing edges of the planes, extra elevators pivoted to the trailing edges of the planes intermediate their ends, the elevators mounted adjacent the tail, a shaft rockably mounted in the body of the flying machine, a joy stick pivoted on the shaft rockable laterally of the body of the machine and rockable longitudinally of the machine for rocking the shaft, means connecting the shaft with the elevators, and extra elevators whereby rocking of the shaft by the joy stick causes elevation or lowering of the elevators and extra elevators, and means slidable on the shaft and connected with the ailerons on the opposite sides of the machine whereby lateral oscillation of the joy stick will cause alternate elevation of the sets of ailerons upon the opposite sides of the machine.

1,579,387. PROCESS FOR THE PRESERVATION OF SUGAR. WILLIAM L. OWEN, New Orleans, La., dedicated, by mesne assignments, to the People of the United States. Filed Sept. 14, 1925. Serial No. 56,414. 2 Claims. (Cl. 127—35.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

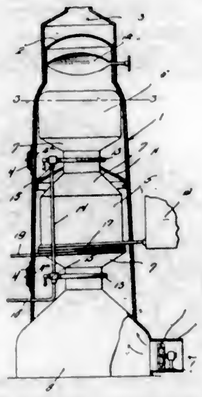
1. In a process for the preservation of white sugar, the step of inoculating such sugars with torulæ yeast.

1,579,388. METAL WAGON BODY. GEORGE H. PALMER, Lansing, Mich., assignor to Dail Steel Products Company, Lansing, Mich. Filed Apr. 18, 1924. Serial No. 707,418. 2 Claims. (Cl. 296—28.)



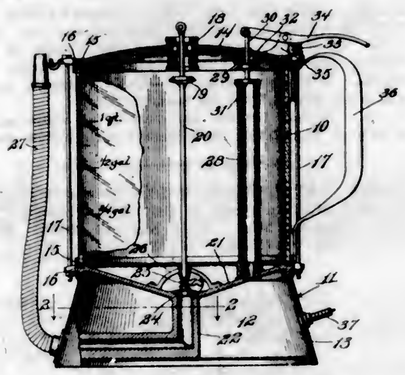
1. A corner piece for a metallic wagon body, the same comprising in a single element a body portion, a curved wall with members disposed substantially at right angles to each other and of trough-shape open at the ends, and an arc-shaped member adjoining the adjacent ends of the trough-shaped member and co-extending with the arc-shaped wall, the inner walls of said trough-shaped members having depending flanges, said arc-shaped member having a depression at the junction of the trough-shaped member.

1,579,389. AIR HEATER. THOMAS JEFFERSON PEACE, Sedalia, Mo. Filed July 7, 1924, Serial No. 724,642. Renewed Nov. 7, 1925. 2 Claims. (Cl. 126—90.)



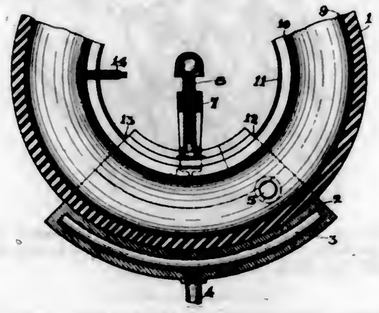
1. A heating apparatus comprising a plurality of superposed hollow air heating drums connected together through the medium of necks, a hollow base upon which said drums are mounted, said base being provided with an air intake, superposed ring-like apertured burners surrounding the neck between the drums and the lower drum and said base, a valved fluid supply pipe connecting said burners together, a casing for said drums, said casing being provided with a discharge for the heated air, and a damper mounted in said casing and cooperating with said discharge.

1,579,390. MEASURING AND DISPENSING RECEPTACLE. WILLIAM H. PEADEN, Grapevine, Tex., assignor of one-eighth to W. Y. Tennyson, Salina, Okla. Filed Mar. 14, 1925. Serial No. 15,571. 5 Claims. (Cl. 224—74.)



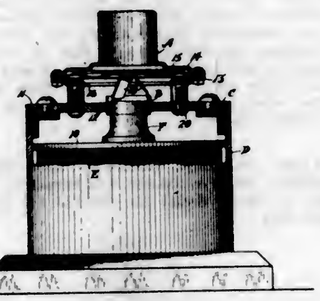
1. A dispensing container of the character described comprising an oil container, a compressed air reservoir forming part of the oil container, a duct leading from the bottom of the oil container and having a discharge spout, a top for the oil container having a filling aperture, a valve resiliently urged to a position to stop discharge through said duct, a valve adapted to close the filling opening when the discharge valve is raised, a duct communicating between the compressed air reservoir and the upper portion of the container, and a valve normally closing said duct and having manually operable means whereby it may be opened.

1,579,391. METHOD AND DEVICE FOR REPAIRING TIRES. HUGO F. PLATT, San Francisco, Calif. Filed Apr. 21, 1925. Serial No. 24,787. 8 Claims. (Cl. 18—18.)



5. A device of the class described comprising a segmental mold adapted to contain a section of a tire casing, bead engaging pressure members coacting with said mold, a rim abutting said bead engaging members to form therewith a complete annulus, and a tube adapted to be mounted within the tire casing.

1,579,392. ELECTRODYNAMIC RECEIVER. EDWIN S. PRIDHAM and PETER L. JENSEN, Oakland, Calif., assignors to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Mar. 20, 1922. Serial No. 545,095. 4 Claims. (Cl. 179—119.)



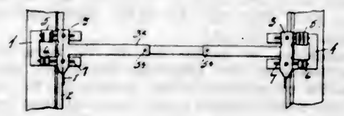
1. In the manufacture of an electro-dynamic receiver of the type having a cylindrical casing containing an axial pole piece with a circumferential pole piece surrounding the axial pole piece and a movable coil carried upon the diaphragm of a sound box disposed concentrically between the pole pieces, the steps of centering the axial pole piece within the casing by means of a spacing ring fitted against the axial pole piece and the casing above the coil surrounding the said axial pole piece, ganging the circumferential pole piece to fit the cylindrical casing, forming a circular aperture at the center of the circumferential pole piece and setting the movable coil in place within said aperture by means of a cylindrical gauge removably placed between the coil and the walls of the circumferential pole piece.

4. An article of manufacture comprising an electromagnetic structure including a cylinder, an axial pole piece within the cylinder, a magnetic coil wound upon the pole piece and seated upon the bottom of the casing, a receiver head assembly detachably fitted upon said cylinder and comprising a circumferential pole piece forming a cover plate for the cylinder, a sound box mounted upon the circumferential pole piece, a movable coil fixed to the diaphragm of the sound box and arranged concentrically between the two pole pieces, and a spacing disc arranged between the axial pole piece and the cylinder and located above the magnetic coil to position said pole piece concentrically therewith.

1,579,393. CONDENSER FOR RADIATORS. WILLIAM REYNOLDS, Marysville, Calif. Filed Oct. 30, 1922. Serial No. 597,807. 1 Claim. (Cl. 257—25.)

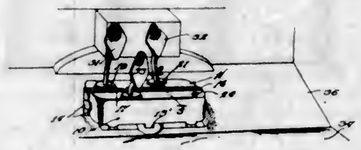
A cooling attachment for radiators comprising a hollow ellipsoidal body having a lower orifice arranged for free communication with the interior of the radiator, said body having spaced openings only in the sides thereof, the axial lines of which openings are disposed in the horizontal median plane of the body, and a vertical baffle vane intersecting such median plane of the openings and adapted to be located transversely of the vehicle on which the device is mounted, whereby to prevent a direct current of air flowing through the body longitudinally of the vehicle with the movement of the same.

1,579,394. ADJUSTABLE SHADE, CURTAIN, AND DRAPERY HANGER. LULA H. ROBINSON, Dallas, Tex. Filed May 21, 1925. Serial No. 31,934. 3 Claims. (Cl. 156—23.)



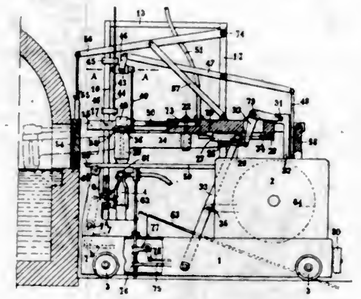
1. A hanger for shades and the like including a horizontal rod having vertical parts at its ends, horizontally disposed collars on the ends of the vertical parts, U-shaped members having their legs disposed horizontally and extending through the respective collars, cleats formed for vertical securement to the sides of a window frame, slides on the vertical parts engaged with the cleats, and brackets on the legs of the U-members.

1,579,395. PEDAL LOCK FOR MOTOR VEHICLES. GEORGE A. ROHM and WILLIAM P. MAREK, Baltimore, Md. Filed Oct. 1, 1924. Serial No. 740,996. 3 Claims. (Cl. 70—126.)



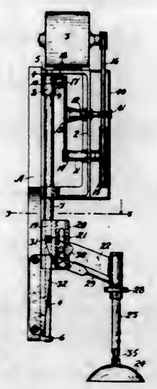
1. A lock for the control pedals of a motor vehicle the same consisting of a box like structure closed at the top, ends and sides, and open at the bottom and comprising complemental members hingedly connected at one end and provided at the opposite end with locking means enclosed thereby, the meeting edges of the top section being provided with pedal receiving slots.

1,579,396. AUTOMATIC MACHINE FOR MANUFACTURING BLOWN-GLASS ARTICLES. EMILE ROIRANT, Paris, France, assignor to Société Anonyme d'Etude et de Constructions d'Appareils Mecaniques pour la Verrerie, Paris, France. Filed Mar. 20, 1924. Serial No. 700,682. 7 Claims. (Cl. 49—5.)



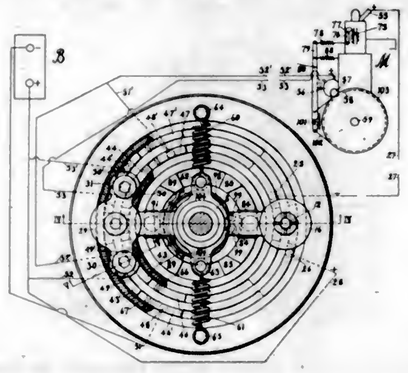
1. An automatic machine for the mechanical manufacture of blown glass articles comprising: a rough-shaping mold, means for imparting a horizontal displacement to said mold, means for giving this mold an ascending and descending movement at one of the ends of its rectilinear course, a finishing mold, a ring or collar mold, means for alternately bringing the ring mold into cooperation with the rough-shaping mold for the formation of the parison or preliminary mass of glass, and with the finishing mold for the conveyance of the said mass to the latter, a blowing bell, and means for bringing this bell to the finishing mold after the departure of the ring mold on delivery of the parison to the said finishing mold.

1,579,397. WASHING MACHINE. HOWARD W. ROUTSON, Oakland, Calif., assignor, by mesne assignments, to Minimax Utilities Corporation, a Corporation of California. Filed Oct. 4, 1922. Serial No. 592,486. 2 Claims. (Cl. 74—14.)



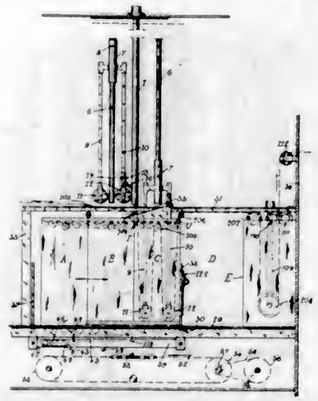
1. In a machine of the character described a stationary frame, a reciprocating member mounted in the frame, a bracket secured to the reciprocating member, an arm detachable with relation to the bracket and vertically adjustable thereon, a plunger turnably mounted in the arm, a ratchet gear secured to the plunger, a segmental-shaped arm pivotally secured to the bracket, a pawl pivotally mounted on said arm and engageable with the ratchet gear, and a cam member secured to the stationary frame and engageable with the segmental arm.

1,579,398. CENTRALIZED OPERATING MECHANISM FOR INTERNAL-COMBUSTION MOTORS. CARL AUGUST RUDQVIST, Staket, Sweden. Filed May 3, 1923. Serial No. 636,350. 7 Claims. (Cl. 290—38.)



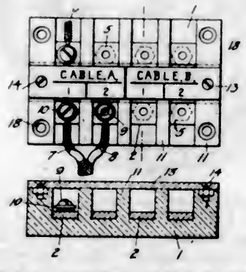
1. The combination of an internal combustion engine having an electric ignition plug, an auxiliary electric starting motor, means for supplying an electric current to said plug and motor, a device for supplying fuel to said engine, means for maintaining said device inoperative, and movable means operative in successive steps to close the circuit through said ignition plug, then through said starting motor and then to release said fuel supplying device thereby to start the engine.

1,579,399. MACHINE FOR TREATING CINEMATOGRAPHIC FILMS. GEORGES AUGUSTIN SALINS, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Nov. 14, 1922. Serial No. 600,798. 15 Claims. (Cl. 95—94.)



1. A method whereby the different sections of a cinematographic film may be given the desired colours or tones in a continuous operation, while avoiding the necessity of interposing connecting pieces between the different sections of the film, which consists, when a fresh section of the film is about to enter a first treating receptacle, in stopping the feeding movement of the film into said first receptacle, removing said film from said first receptacle, causing the film to dip into a second treating receptacle, simultaneously displacing both receptacles in order to bring the said second receptacle to the place previously occupied by the said first receptacle, and removing the first receptacle when the film has entirely left the same.

1,579,400. TERMINAL BLOCK. MAURICE M. SAMUELS, New York, N. Y., assignor to Robert V. Dunbar, Boundbrook, N. J. Filed June 5, 1923. Serial No. 643,533. 6 Claims. (Cl. 175—369.)

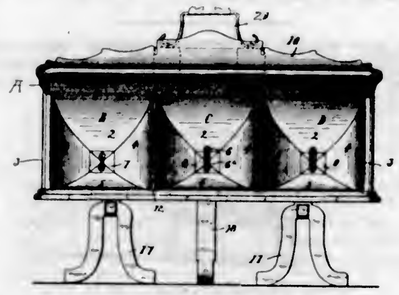


1. A terminal block comprising a solid body of molded insulation, having supporting means, a longitudinal ridge member having means for carrying a marking strip, a series of transverse partitions, and a series of terminal strips embedded in said insulation between said partitions and beneath said ridge member, said terminal strips having exposed ends in the inner portions of the recesses between said partitions.

1,579,401. COMPOSITION OF MATTER FOR USE IN TREATING MATCHES. HENRY D. SCHMIDT, Lake Alfred, Fla., assignor of one-fourth to W. F. Hutchinson and one-fourth to B. O. Carn, jr., both of Winter Haven, Fla. Filed Oct. 13, 1925. Serial No. 62,320. 1 Claim. (Cl. 134—1.)

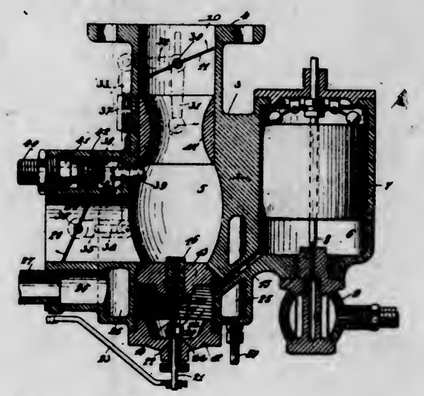
A composition of matter for use in water-proofing matches, including the following ingredients, substantially in the proportions stated, beeswax ⅛ lb., sealing wax ¼ lb., rubber cement ½ lb. and a sufficient amount of gasoline to reduce to a fixed liquid the foregoing ingredients after they have been mixed by heating.

1,579,402. ELECTRIC HEATER. JOSEPH SCHOENFELD, Alameda, Calif., assignor to The Magnavox Co., San Francisco, Calif., a Corporation of Arizona. Filed July 2, 1923. Serial No. 649,007. 21 Claims. (Cl. 219—34.)



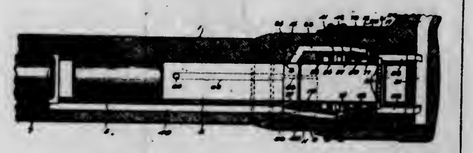
5. In a heater of the character described an elongated trough-shaped reflector, said reflector being parabolic in cross-section at any point throughout its length, and a plurality of reflectors disposed intermediate the ends of said reflector, said intermediate reflectors being parabolic in cross-section on a line drawn through the longitudinal axis of the elongated reflector.

1,579,403. CARBURETOR BODY AND ATTACHMENTS THEREFOR. WILLIAM C. M. SCHRADER, New Rochelle, N. Y. Filed Oct. 31, 1918. Serial No. 260,605. 8 Claims. (Cl. 261—1.)



6. In a carburetor, a body formed with a passage longitudinally therethrough, a portion of said passage forming a chamber to receive the hydrocarbon fuel, a conduit stem extending from said chamber and opening into said passage to deliver fuel thereinto, said body having also a passage formed therein to encompass said chamber, means to supply a heating medium to said last mentioned passage, a bore in said body, and a moisture supplying nozzle in said bore whereby moisture laden or misty air is injected into said longitudinal passage and mixed with the fuel in regulated quantity.

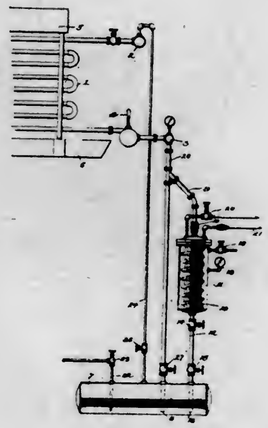
1,579,404. FLUID-PRESSURE MOTOR. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Apr. 2, 1923. Serial No. 629,263. 28 Claims. (Cl. 121—24.)



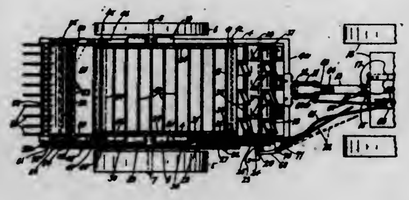
1. A pneumatic hammer having in combination a cylinder, a hammer piston, a valve; means providing an ejector having a nozzle, a suction orifice and a combining tube; said nozzle being permanently open to the source of motive fluid supply to the machine, said suction orifice permanently communicating with a rearwardly facing pressure surface of said valve, said combining tube opening into said cylinder, an exhaust passage for one end of said cylinder, and said piston intermittently interrupting the communication between said combining tube and cylinder.

1,579,405. APPARATUS FOR PURGING REFRIGERATING SYSTEMS. THOMAS SHIPLEY, York, Pa. Filed Oct. 18, 1924. Serial No. 744,469. 3 Claims. (Cl. 62—115.)

1. The combination of a liquid refrigerant line; a condenser constructed and arranged to discharge liquefied refrigerant and non-condensable gases into said line; a purge drum in communication with said liquid line below said condenser and arranged to accumulate non-condensable gases by gravity flow from the condenser; refrigerating means in said drum operable to liquefy refrigerant gas there present; valve means operable to isolate said drum from said liquid line, and to return liquid refrigerant from said drum to said line, while maintaining said isolation; and valved means for venting said drum.



1,579,406. QUACK-GRASS DESTROYER. ALEXANDER SKENE, Hoople, N. Dak. Filed Sept. 14, 1922. Serial No. 588,128. 2 Claims. (Cl. 97—10.)



1. In a quack grass destroyer, an elongated wheel-supported tiltable frame, a digging roller in the front end of the frame and a distintegrating roller in the rear end thereof, an endless combined elevator and conveyor arranged to carry the dug soil to the rear roller, an inclined board guiding the conveyed soil from the conveyor onto the disintegrating roller, and a normally inclined tiltable grate in the path of the soil leaving the disintegrating roller, and means operable from the front end of the frame for tilting said grate.

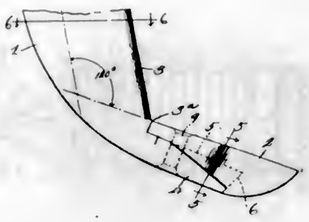
1,579,407. FEEDING DEVICE FOR CHOCOLATE-MOLDING MACHINES. FREDERICK D. SMITH, Philadelphia, Pa. Filed Oct. 28, 1922. Serial No. 597,498. 5 Claims. (Cl. 107—1.)

2. In a candy molding machine, a hopper adapted to contain nuts; mold compartments movably mounted under the hopper; a cylinder rotatably mounted adjacent the hopper discharge and having a series of holes disposed

lengthwise thereof; means for causing suction in the cylinder whereby the nuts may be sucked from the hopper to the holes; a plate having a recess edge adjustably mounted above the cylinder to prevent more than

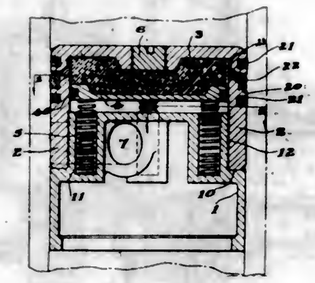
a single nut from being carried over by a suction hole, and means for shutting off the suction through the holes and discharging the nuts into the mold compartments.

1,579,408. DETACHABLE CULTIVATING TOOL. GEORGE A. SMITH and JOHN F. SINCOCK, Sedgwick, Colo. Filed July 25, 1924. Serial No. 728,119. 1 Claim. (Cl. 97—125.)



The combination with a cultivator arm, of a forwardly and downwardly extending arm carried thereby, a detachable point carried by the forwardly and downwardly extending arm, said forwardly and downwardly extending arm being disposed in a recess in the underside of the point and having a tapering engagement with said recess in vertical planes and with the bottom of the recess in a downwardly and forwardly inclined plane, a rivet extending through the point and the forwardly and downwardly extending arm, said point having the forward wall of its recess acutely angled, the forward end of the forwardly and downwardly extending arm being acutely angled and engaging the acutely angled wall of the point and preventing upward movement of the forward end of the point, said cultivator arm having its forward edge sharpened, the lower end of said sharpened forward edge terminating in registration with the upper side of the point.

1,579,409. ENGINE PISTON AND METHOD OF PACKING AND LUBRICATING THE SAME. THOMAS C. SMITH, Seattle, Wash. Filed Aug. 10, 1922. Serial No. 580,848. 4 Claims. (Cl. 74—108.)

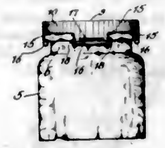


1. An engine piston having a groove in its periphery and a compression grease chamber communicating with said groove, a piston in said chamber and springs acting upon said piston to force the grease towards said groove.

1,579,410. SCREEN FASTENING FOR CAR WINDOWS. WILLIAM C. SMITH, Chicago, Ill., assignor to The Pullman Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 23, 1923. Serial No. 658,951. 4 Claims. (Cl. 156—14.)

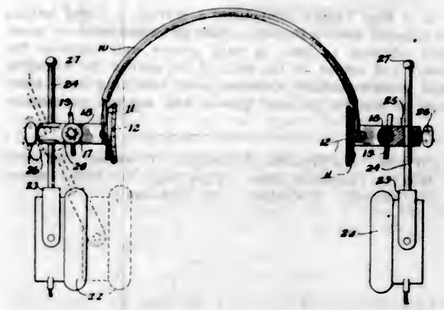
3. In combination, an outer frame formed from a channel bar having one side thereof provided with a corrugation extending the full length thereof and its opposite side with a keeper, a hollow inner frame provided on one of its sides with a recess for engaging said corrugation, a flat spring secured to said hollow frame and within the same on the side opposite said recess, and a latching bolt secured to the free end of said spring and extending through an opening in said frame for engaging said keeper for retaining said frames in assembled relation.

1,579,411. CLOSURE FOR BOTTLES, JARS, AND SIMILAR RECEPTACLES. ROBERT SONGAN, Jersey City, N. J. Filed July 17, 1923. Serial No. 652,022. 3 Claims. (Cl. 215—38.)



1. A closure for receptacles comprising a cap adapted to be fitted over the mouth of the receptacle and having integral clamping devices for engagement with a shoulder on the receptacle wall, said cap being also provided with sealing means for the clamping devices comprising an annular skirt of soft metal secured to the upper edge of the cap fitting the circumferential portion of the cap and extending over said clamping devices to prevent the unauthorized removal of the cap by manipulation of said clamping devices.

1,579,412. SUPPORT FOR HEAD SETS. CHARLES ROBERT STENBERG, Genoa, Nebr. Filed June 21, 1924. Serial No. 721,444. 2 Claims. (Cl. 179—156.)



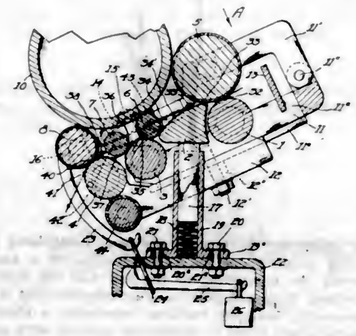
1. In a support of the character described, the combination of a head band having a pressure plate secured to each end thereof, a block mounted for pivotal adjustment about an axis substantially parallel to each plate, clamping means for securing the block in its adjusted position, said block having a bore extending from top to bottom thereof, and means cooperating with said bore for adjustably securing the stem of an ear piece.

1,579,413. STERILIZING SUBSTANCE FOR TOOTH-BRUSHES AND SIMILAR ARTICLES. VICTOR JULIEN MARIE THÉSÉE, Brest, France. Original application filed May 21, 1923, Serial No. 640,469. Divided and this application filed June 4, 1925. Serial No. 35,004. 2 Claims. (Cl. 167—3.)

1. A substance for sterilizing tooth brushes and like articles comprising a mixture of substantially equal parts of trioxymethylene and soda tungstate and a vegetable essence having sterilizing properties and of a quality sufficient to effect deodorization.

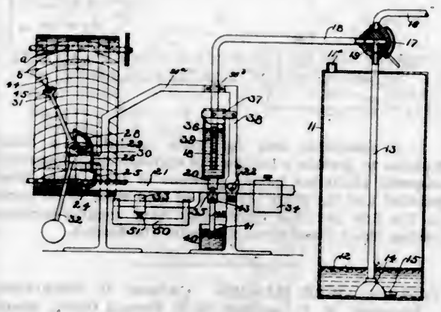
1,579,414. DRAWING MECHANISM. MEINRAD F. THOMA, Ghent, Belgium. Filed Oct. 18, 1924. Serial No. 744,502. 25 Claims. (Cl. 19—130.)

1. A drawing mechanism for textile fibres comprising a pair of feed rollers, a middle roller and a pair of delivery rollers, in combination with a self-adjusting draught tension member which is located in position to deliver directly to one of the delivery rollers to



avoid any material straight path of roving between them, and means for holding the tension member in contact with the middle roller under all condition of stress.

1,579,415. FLUID-PRESSURE RECORDER. WILLIAM THOMAS, West New York, N. J., assignor to Pneumercator Company, New York, N. Y., a Corporation of Maine. Filed Oct. 29, 1920. Serial No. 420,383. 13 Claims. (Cl. 234—20.)

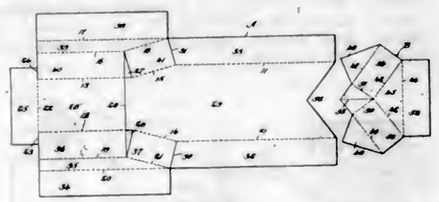


10. An apparatus for measuring gaseous pressures comprising the combination with a conduit adapted to contain gas under pressure, of a piston exposed at its end to the pressure existing in the conduit, a guideway in which said piston is movable, a soft and highly flexible diaphragm interposed between the conduit and the piston and arranged to prevent escape of the gas through said guideway while permitting the full pressure of the gas to be imposed on the piston throughout the range of movement of the latter, a pivoted beam, a connection through which said piston is caused to apply pressure to said beam at a point relatively near the fulcrum thereof, a pivoted arm having a connection with said beam at a point more distant from said fulcrum and movable with the beam between positions in which it is respectively steeply inclined downward from its pivot and approximately horizonal; said arm having appreciable weight, whereby it opposes resistance to movement of the beam induced by the piston in approximate proportion to its position, and indicating means movable by said beam and arranged to show values dependent upon the gaseous pressure.

1,579,416. SUPPORTER. HERMAN ZENAS TILLOTSON, Washington, D. C. Filed Oct. 5, 1925. Serial No. 60,605. 6 Claims. (Cl. 241—5.)

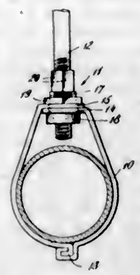
1. A device for the purpose set forth comprising a roll embracing element for the rolled portion of a stocking to prevent the unwinding of the roll and the falling of the stocking from set position and consisting of a strip of non-elastic, bendable material possessing a characteristic to maintain itself in embracing position with respect to said rolled portion, and means for anchoring said element with respect to the leg of the wearer.

1,579,417. BOX INSERT. FRANKLIN TINSMAN, Phillipsburg, N. J. Filed Apr. 26, 1924. Serial No. 709,258. 7 Claims. (Cl. 206—7.)



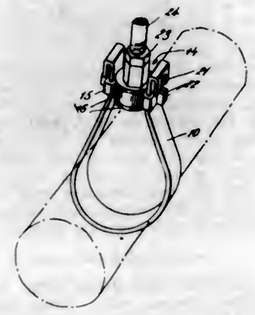
1. A removable frog for boxes comprising a blank foldable to provide a bottom and corresponding oppositely disposed platforms having portions of their inner sides parallel and the other portions of said sides at an angle to the first portions respectively, said angular portions having direct hinge connection with the bottom.

1,579,418. PIPE HANGER. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Oct. 20, 1922. Serial No. 595,728. 1 Claim. (Cl. 248—31.)



A pipe hanger comprising a looped carrier having overlapping ends provided with aligned openings, a headed sleeve loosely extending through the openings in the carrier ends and having internal and external threads, a hanger bolt threaded into the sleeve and a lock nut threaded on the outside of the sleeve and engageable with the upper carrier end.

1,579,419. PIPE HANGER. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Oct. 20, 1922. Serial No. 595,729. 7 Claims. (Cl. 248—31.)



2. A pipe hanger comprising a carrier, a sleeve having an annular groove therein, a pair of complementary members adapted to seat in said groove and embrace the sleeve and means on the ends of the carrier for engaging said complementary members and retaining said members in position in said groove and against separation.

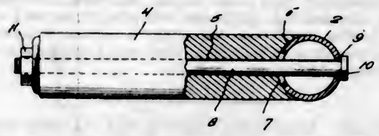
1,579,420. MATTRESS CARRIER. CHARLES AUGUSTUS WELCH, Columbus, Nebr. Filed Sept. 10, 1924. Serial No. 736,917. 2 Claims. (Cl. 224—49.)

1. A device of the class described comprising a strap having a row of spaced apertures extending from adjacent one end toward the other end thereof, a hand loop secured to said other end, a buckle, a second hand loop detachably associated with said buckle and projecting transversely therefrom, and means on said buckle engageable selectively with the apertures for holding said second loop in adjusted positions on the strap, whereby upon removing the second loop the strap may be inserted under a mattress and the said second loop reapplied to the strap and used in cooperation with the first hand loop to carry the mattress.

1,579,421. CLOSURE FOR TANKS. OSCAR B. WELKER, Middletown, Conn., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Oct. 25, 1924. Serial No. 745,733. 7 Claims. (Cl. 220—24.)

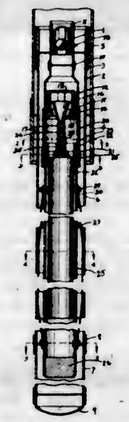
1. A tank closure comprising a base, a support, means for movably, permanently attaching the support to the base, a cap swivelly and permanently attached to the support against lateral and longitudinal movement independently thereof, and means for temporarily locking the cap to the base.

1,579,422. SCYTHE. HERMEN HENRY WEMPE, Sabetha, Kans. Filed June 2, 1925. Serial No. 34,353. 1 Claim. (Cl. 56—326.6.)



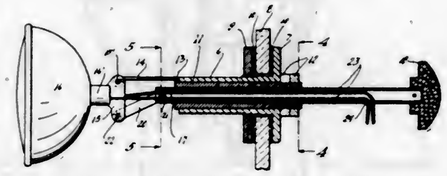
In a scythe, a tubular snath provided with a transverse slot, and a countersunk opening diametrically opposite said slot, a nib, the inner end thereof being curved for engagement with the snath adjacent said slot, a bolt extending through the countersunk opening and through said slot and longitudinally through the nib, said slot and said bolt permitting the adjusting of the nib with respect to the snath, and a nut threaded on the outer end of the bolt for holding the nib in its adjusted position.

1,579,423. STANDING-VALVE-RELEASING MEANS. WILLIAM WERNER, Mexia, Tex. Filed Nov. 16, 1925. Serial No. 69,308. 7 Claims. (Cl. 103—221.)



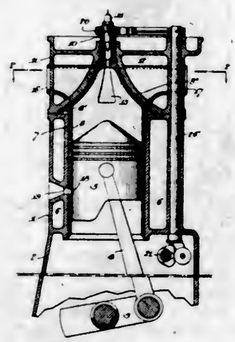
1. In a pump, a pump barrel, a standing valve at the lower end thereof, comprising a housing, a valve seat therein, a valve in said seat formed to taper downwardly below said seat, a collar below said valve housing, a spider within said collar having a central internally threaded ring thereon, a tube having its lower end threaded in a left hand direction to fit within said ring, means to hold said collar against rotation, and means connected with said valve housing to rotate said tube, and screw it upwardly in said ring into contact with said valve, and raise said valve from its seat.

1,579,424. SPOTLIGHT. WILLIAM F. WILLIAMS, Chicago, Ill. Filed Aug. 22, 1923. Serial No. 658,685. 2 Claims. (Cl. 240—61.)



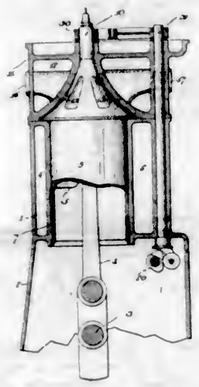
1. A construction of the class described comprising a sleeve having a flange at one end; a collar threaded on said sleeve and adapted to clamp the glass of a windshield; a tubular member extending through said sleeve; a lock nut at the rear end of said tubular member engaging against said flange; a stop shoulder and supporting arm at the top of the forward end of said tubular member; a depending lever pivoted at the forward end of said supporting arm; a light mounted substantially centrally on said lever; a plunger extending through said tubular member; and an operative connection between said plunger and the free end of said lever, substantially as described.

1,579,425. SINGLE SLEEVE VALVE FOR INTERNAL-COMBUSTION ENGINES, STEAM ENGINES, AND THE LIKE. WILLIAM BROWN WILSON, Well-Hall, England. Filed Oct. 15, 1924. Serial No. 743,734. 6 Claims. (Cl. 123—80.)



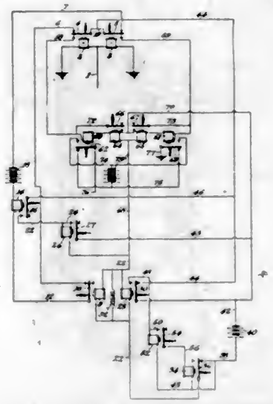
1. An engine comprising a cylinder having a terminal exhaust port in its wall, a cylinder head and a sleeve valve disposed partially within the cylinder and partially within the head, that portion of the valve disposed in the cylinder comprising a port adapted to register with said exhaust port and that portion of the valve above the cylinder being increased in diameter adjacent thereto to provide an overhanging flange seating on the end of the cylinder and then curved upwardly and inwardly to merge into a cylindrical spindle extending through the head.

1,579,426. MECHANISM FOR OPERATING SINGLE SLEEVE VALVES. WILLIAM BROWN WILSON, Well-Hall, England. Filed Oct. 15, 1924. Serial No. 743,735. 11 Claims. (Cl. 123—80.)



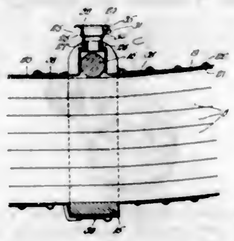
1. The combination with an engine having a sleeve valve, of valve actuating means comprising a cam shaft having a pair of cams for each cylinder of the engine, a roller cooperative with each of said cams, a rotatable spindle, means for rotatably supporting the rollers adjacent one end of the spindle and on opposite sides of its axis, and means connecting the other end of the spindle with the sleeve valve of the engine.

1,579,427. SIGNAL RELAY SYSTEM. JOHN WISEMAN and ALEXANDER CUNNINGHAM, Brooklyn, N. Y. Filed Apr. 14, 1925. Serial No. 23,096. 12 Claims. (Cl. 178—71.)



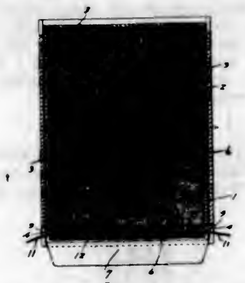
1. In a system for relaying incoming electric signals varying in duration and separation, the combination, with receiving and sending main line circuits, of a plurality of local relay circuits, means for producing electrical currents in the local circuits, and successively acting electromagnetic relays included in the circuits, whereby the local circuits are automatically, successively closed by each other in a recurring cycle of operation during the inaction of a main line circuit.

1,579,428. CASING FOR AUTOMOBILE LEAF SPRINGS AND THE LIKE. JOHN ZULICH, Cleveland, Ohio. Filed Apr. 17, 1925. Serial No. 23,752. 5 Claims. (Cl. 267—37.)



1. A fitting for engaging over the spring clip of an automobile leaf spring in association with a spring casing of the class described, comprising a soft metal plate adapted to have its intermediate portion arched over the bolt of said spring clip and having the laterally extending portions engaging with the leaf spring to each side of said bolt, a lubricant cup, a flanged bushing mounted in an aperture in said plate and engaging in said lubricant cup, a lip turned back from one edge of said lubricant cup, pivot lugs depending from said lip, a cap having pivot lugs depending therefrom, a pivot pin extending through said pivot lugs, and a spring operating to close said cap.

1,579,429. STARTING DEVICE FOR PACKED FOLDED PAPER. LELAND J. ARMS, San Francisco, Calif., assignor of one-half to R. C. Pell, jr., San Francisco, Calif. Filed Dec. 11, 1923. Serial No. 607,993. 1 Claim. (Cl. 206—57.)



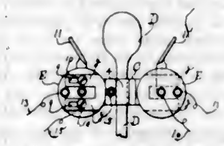
A starting device for packed folded paper of the character described, consisting of an unfolded sheet superimposed on the lowermost leaf of the package and having operating projections extending over the side edges of the package in central relation thereto and allowing the end of the leaf to be drawn through a centrally disposed slot below the leaf by manipulation of the said projections.

1,579,430. HOLDER FOR SAFETY-RAZOR BLADES. ROBERT LEE ARMSTRONG, Lincoln, Nebr. Filed June 21, 1924. Serial No. 721,460. 1 Claim. (Cl. 30—25.)

A holder for safety razor blades having holes therein comprising a substantially rectangular base plate provided with integral lugs adapted to traverse said holes

in the blade, and an integral overhanging rounded flange which constitutes a guard along one edge to receive one cutting edge of said blade, said base plate having a centrally located notch at one end, and a longitudinal, substantially half round shank projecting from the other end, said shank extending longitudinally and centrally along the base plate toward but spaced from said notch and formed integral with the base plate to reinforce and stiffen the same, a substantially half round rigid clamping bar having its flat side adapted to bear on the blade and provided with recesses on the flat side to receive said lugs, said bar having a hook at one end to engage said notch in the base plate, the clamping bar extending the full length of the base plate and shank but of materially less width than the base plate and having a full round terminal portion provided with threads, the said half round projection of the shank interfitting and abutting the said terminal portion of the said bar and having alined external shoulders and a tubular one piece handle internally threaded to screw onto the terminal portion of the clamping bar and also engage the said projection of the shank and having a conical mouth at its inner threaded end to aline the said parts and engage said shoulders.

1,579,431. CIRCUIT CLOSER. HERBERT J. BARNDT and ANDREW K. BIBRELL, Binghamton, N. Y. Filed Dec. 28, 1922. Serial No. 609,456. 3 Claims. (Cl. 200—59.)



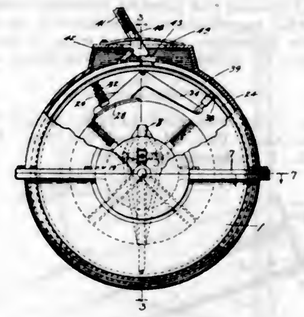
1. In a circuit closer in combination with a control lever, an adjustable and removable support, said support having forked and slotted ends with an adjustable V-shaped depression adapted to receive and be clamped upon the control lever, electrical switch arms pivotally and resiliently mounted on each side of the support and adapted to receive lateral movement to engage electrical contacts.

1,579,432. ANTISKIDDING DEVICE. WILLIAM E. BECK, Herrick, Ill. Filed June 16, 1925. Serial No. 37,547. 2 Claims. (Cl. 24—230.5.)

1. In combination with a link chain, a hook member substantially permanently secured to said chain, the outer end of the hook member having a transversely disposed cross head, said cross head being also disposed transversely of the link chain when strain is imposed upon the chain and hook member, said cross head being of a length greater than the interior transverse diameter of a link in the chain but readily insertable therethrough when the head is disposed lengthwise of said link.

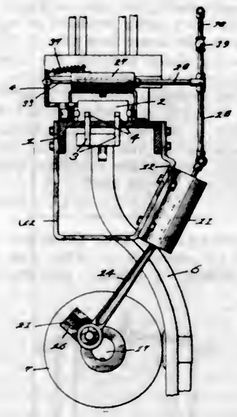
1,579,433. POWER TRANSMISSION. JOHN H. BLAIR, San Francisco, Calif. Filed Apr. 28, 1924. Serial No. 709,655. 3 Claims. (Cl. 74—14.)

1. In a transmission, a revolving wheel formed with diametrical transverse grooves in the face thereof, a second wheel mounted coaxially therewith and means for transmitting motion from the first wheel to the second wheel at a different rate of speed comprising a pivoted element, a slide thereon having blocks pivoted thereto in



spaced relation arranged to slide in the transverse grooves of the transmitting wheel and a pivotal connection between the slide and the second wheel.

1,579,434. SAUCE-INJECTING ATTACHMENT FOR CAN-CLOSING MACHINES. WILLIAM BROMBAKER, Monterey, Calif. Filed Dec. 15, 1924. Serial No. 755,991. 5 Claims. (Cl. 226—99.)

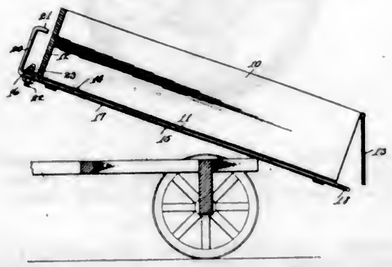


1. An attachment for can clinching machines of the character described comprising a pump having a plunger actuated in timed relation to the movement of cans moved intermittently through said machine; a supply tank connected to the pump for supplying sauce to the pump to be injected into the cans; a dispensing receiver mounted upon the machine above a point occupied by successive cans just prior to reaching the cover applying mechanism of the machine and connected to the pump to receive sauce from the pump; said receiver having a dispensing opening; a plunger slidably mounted within the receiver and normally closing the dispensing opening in said receiver; and an actuating member pivotally mounted upon the machine adjacent the receiver and connected to the plunger therein, said member being provided with a lateral extension adapted to be engaged and moved by a can when moved under the receiver whereby the plunger is moved to uncover the dispensing opening while the can is thereunder and during the pressure stroke of the pump thereby permitting sauce to be forced into the can.

1,579,435. METAL CLEANER AND POLISHER. BRICE L. CLUTIER, Chicago, Ill., assignor to Lightning Products Corporation, a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,743. 1 Claim. (Cl. 87—5.)

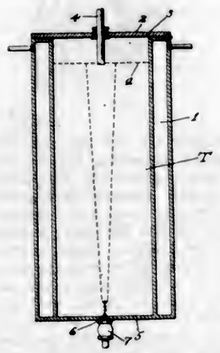
A metal cleaning and polishing compound consisting of the following ingredients in approximately the following proportions by weight twenty-five parts of hard silica, thirty parts of petrolatum and fifteen parts of stearic acid.

1,579,436. LOCK FOR END GATES. ROBERT T. CLYDE, Marion Center, Pa. Filed Jan. 29, 1924. Serial No. 689,295. 1 Claim. (Cl. 298—38.)



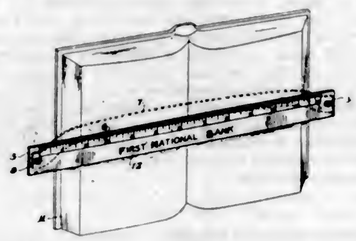
The combination with a wagon box and the depending pivoted end gate thereof, of a rock shaft mounted centrally and longitudinally on the bottom of the box, the rear end of the shaft being extended at right angles for engagement with the lower free end of the end gate to hold the same in closed position, the other end of the shaft being extended in parallel relation to the first-named end and thence laterally at right angles thereto, the terminus of said end being extended inwardly in parallel relation to the shaft, and a horizontally swingable detent carried by the bottom of the wagon box, beyond one end thereof, for retaining engagement with the last-named end of the shaft.

1,579,437. APPARATUS FOR MAKING ICE. MARTIN S. CORBETT, Glassboro, N. J. Filed Aug. 23, 1923. Serial No. 659,024. 1 Claim. (Cl. 62—159.)



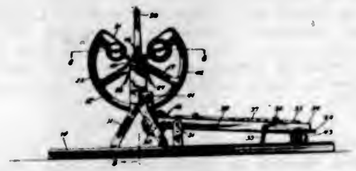
An apparatus for making ice comprising a tank adapted to be partially filled with water, means for subjecting said tank to a cooling medium, the lower portion of the tank having an opening in communication with the atmosphere, an inwardly opening check valve for controlling said opening, a pipe extending through the top of the tank at a point substantially above the opening in the bottom of the tank, the inserted end of the pipe terminating below the top of the tank, said tank being adapted for communication with means for creating suction to open the check valve for the passage of air through the water, said opening providing means to permit water to be drawn through the opening in the bottom of the tank upwardly through the material within the tank.

1,579,438. COMBINED RULER AND BOOK HOLDER. WILLIAM C. CORTELYOU, Oblong, Ill. Filed Nov. 8, 1924. Serial No. 748,707. 2 Claims. (Cl. 281—44.)



1. In a device of the character described, the combination of a relatively broad, flat, flexible strip of non-stretchable material constituting a ruler, a flat relatively narrow strip of similar material superposed thereon and having longitudinal slots near its ends, and eyelets secured in the first-mentioned strip and projecting through said slots and terminating in heads overhanging the slots.

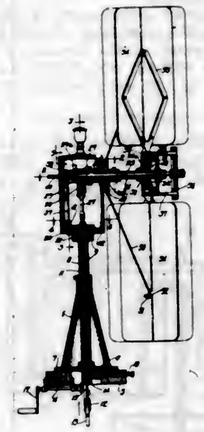
1,579,439. DUPLICATOR. ERNEST M. DAUS and LEONARD W. DAUS, New York, N. Y. Filed Dec. 26, 1924. Serial No. 758,244. 5 Claims. (Cl. 101—132.)



1. A machine of the class described including a rotatable drum having indicia to be duplicated thereon, and pressure means for co-action with said drum at an interval during each revolution of the same, said means comprising a pivoted platform constituting the sheet feeding table, a roller supported at one end thereof, and springs at the other end for normally holding said roller in the path of movement of said drum.

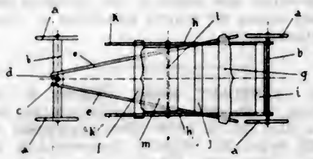
1,579,440. WIND MOTOR. RUDOLPH DORSH, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,718. 3 Claims. (Cl. 170—62.)

1. In a wind motor, a vertical sleeve housing having a cylinder housing fixed on the upper end thereof, a vertical sleeve journaled in the sleeve housing and projecting slightly beyond the ends of the latter, means associated with the lower end of the sleeve for facilitating manual turning of the latter, a horizontal sleeve having one end journaled in the upper part of the cylinder housing and having a wind wheel secured on its other end, said wind wheel having axially rotatable radial vanes, a shaft slidable longitudinally in the horizontal sleeve and having one end portion exposed within the cylinder housing and its other end operatively connected to the vanes for causing axial rotation of the latter when said shaft is slid relative to the horizontal sleeve, operative connections in the cylinder housing between the exposed end portion of said shaft and the upper end of the vertical sleeve for effecting sliding of said



shaft upon manual rotation of said vertical sleeve, and means within the cylinder housing and extending downwardly through the vertical sleeve for transmitting power from rotation of the horizontal sleeve to desired machinery.

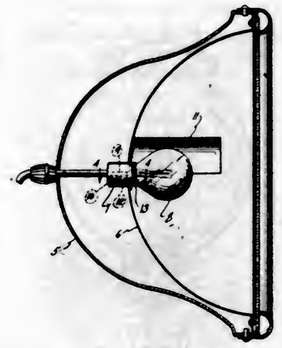
1,579,441. TOY VEHICLE. LOUIS FRANÇOIS AUGUSTIN FALKÉ, Montreuil-sous-Bois, France. Filed Dec. 27, 1924. Serial No. 758,446. 2 Claims. (Cl. 208—88.)



1. A toy vehicle, comprising two frames, a pivotal joint connecting said frames, trucks mounted at the lower ends of said frames, means for opposing backward movement of the vehicle, said means carried by said trucks, a seat rockably mounted upon one of said frames, rollers mounted upon the other of said frames, said seat resting at its rear end upon said rollers, and elastic connections between said frames, said elastic connections tending to draw said trucks together in opposition to the rider's weight.

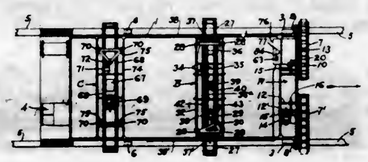
1,579,442. NONGLARE ATTACHMENT FOR HEADLIGHTS. LEO J. GAONON, Detroit, Mich. Filed Feb. 25, 1924. Serial No. 694,858. 2 Claims. (Cl. 240—48.6.)

1. In combination with a headlight reflector having a central socket provided with a pair of diametrically opposed bayonet slots and an electric lamp having projecting portions adapted to enter said slots, a deflector having a hub portion surrounding the lamp and provided with a pair of notches for the passage of the projecting portions of the lamp, said hub portion being



also provided with a pair of rearwardly projecting tabs adapted to seat in said slots, and a spring arranged to hold the deflector with its tabs positioned in the slots.

1,579,443. MACHINE FOR FINISHING AND PAVING DITCHES. FRED E. GREENE, Berkeley, Calif. Filed Aug. 23, 1924. Serial No. 733,856. 17 Claims. (Cl. 61—63.)

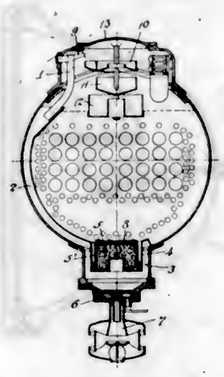


1. A ditch grading machine comprising the combination of an elongated frame adapted to be suspended over and extend along a ditch, supporting means at the sides of the frame adapted to be supported on and travel along the edges of the ditch, power means for moving the frame along the ditch, a pair of endless travelling scrapers mounted respectively on the sides of the frame and extending transversely of and downwardly into the ditch and adapted to scrape the sloping surfaces thereof, and means for adjusting the angular position of the scrapers vertically relative to the frame.

1,579,444. PROCESS AND APPARATUS FOR PURIFYING BOILER-FEED WATER. OTTO GÜNTHER, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed July 17, 1923. Serial No. 652,002. 6 Claims. (Cl. 122—417.)

1. The process of purifying feed water for boilers, which consists in heating a quantity of feed water before its admission to the boiler, at such times as the boiler is delivering steam for consumption, passing such preheated feed water through a sludge separator, and then introducing the water thus freed from sludge, into the main body of water in the boiler, while at such times as the boiler is not delivering steam another quantity of feed water is introduced into the steam space of the boiler at a relatively low temperature as compared with the temperature of the first-named quan-

tity of feed water, such other quantity of the feed water being heated in said steam space to about the temperature of the steam, to cause the impurities to be converted into boiler scale or like hard substances, and

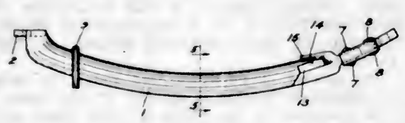


retaining such hard substances in the steam space of the boiler, while the purified water from which these substances have been removed, is delivered from said steam space to the main body of water in the boiler.

1,579,445. SCREEN FASTENER AND PROTECTOR. CLIFFORD M. HADDOX, Charleston, W. Va. Filed Apr. 9, 1924. Serial No. 705,276. 3 Claims. (Cl. 292—276.)

1. A device for holding an extensible window screen against collapse from applied position in the window frame, comprising a body extensible to vary the length thereof and provided with reduced pin extensions at the outer ends thereof for insertion through aligned openings in the side members of the screen frame into openings in the side members of the window frame, said pin extensions extending in the direction of length of said body in eccentric relation to the body.

1,579,446. SKID CHAIN. WILLIAM P. HAGEDORN, Davenport, Iowa. Filed June 1, 1925. Serial No. 34,087. 5 Claims. (Cl. 152—14.)



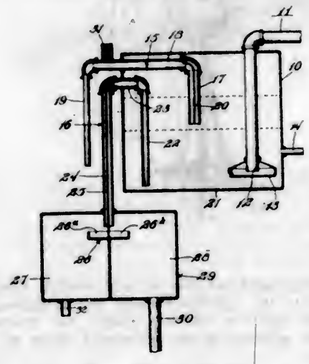
4. In a skid chain having a side chain, a curved bar for connecting the ends of the side chain, said bar having adjacent one end a diagonal slot for the reception and holding of a cross chain, and a cross chain having an end link slidable on the curved bar and receivable in the said slot.

1,579,447. MANUFACTURE OF LEAVENED BREAD. CHARLES HOFFMAN, Tuckahoe, N. Y., assignor, by mesne assignments, to The Fleischmann Company, New York, N. Y. Filed Sept. 15, 1923. Serial No. 662,988. 11 Claims. (Cl. 99—10.)

1. As an article of manufacture, a bread containing a substantial quantity of pasteurized, inactive yeast with the cell walls unruptured.

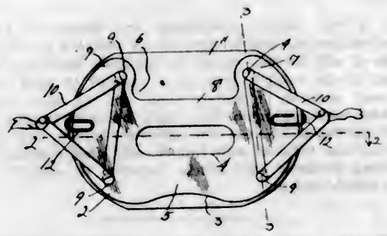
5. As an article of manufacture, a leavened bread containing the usual constituents of such bread and an added amount of water soluble vitamine B in the form of yeast which is without reproductive and fermenting activity and with its cell walls unruptured.

1,579,448. GRAVITY SEPARATOR. FRED A. HOMEWOOD, Glendo, Wyo. Filed Oct. 15, 1925. Serial No. 62,597. 5 Claims. (Cl. 209—422.)



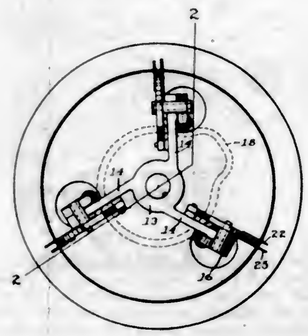
1. In a separator of the type described, an ore tank, a pair of siphons communicating with said tank having their intake legs arranged within the tank and one having the lower end of its intake leg arranged adjacent the bottom of the tank while the second has its intake leg spaced therefrom and means in the discharge leg of the first named siphon for gravity separation of values passing therethrough.

1,579,449. SANITARY MASK. HENRY E. HUBBELL, New York, N. Y. Substitute for application Serial No. 327,642, filed Oct. 1, 1919. This application filed Oct. 12, 1923, Serial No. 668,052. Renewed Aug. 13, 1925. 2 Claims. (Cl. 128—146.)



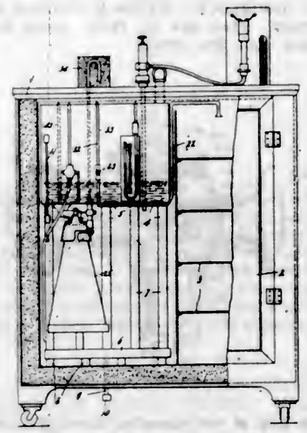
1. As a new article of manufacture, a holder of the class described formed of flexible celluloid having a mouth opening in proximity to its lower end and provided with a nose opening cut into its upper edge, separated tabs produced by said nose opening, said tabs having holes in their upper ends, said holder also being provided with holes adjacent its lower edge and attaching tapes threaded through the last named holes and the holes in the tabs, as shown for the purpose specified.

1,579,450. TAKE-UP BLOCK. CARL A. JOHNSON, Worcester, Mass., assignor of one-half to Arthur R. Peterson, Worcester, Mass. Filed Aug. 11, 1924. Serial No. 731,532. 6 Claims. (Cl. 242—78.)



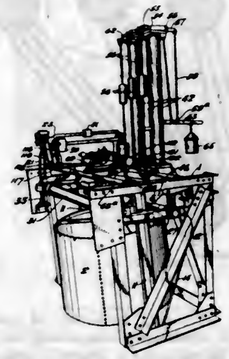
1. The combination with a take up block for a wire galvanizing, tinning or annealing machine, of means located inside the block and projecting through the walls thereof for moving a plurality of coils of wire along the surface of the block every time the block makes a predetermined number of revolutions.

1,579,451. REFRIGERATING APPARATUS. ALEXANDER I. MITCHELL, Wilmington, Mass., assignor, by mesne assignments, to Stone & Webster, Inc., a Corporation of Massachusetts. Filed Aug. 8, 1919, Serial No. 316,061. Renewed Apr. 4, 1925. 12 Claims. (Cl. 62—152.)



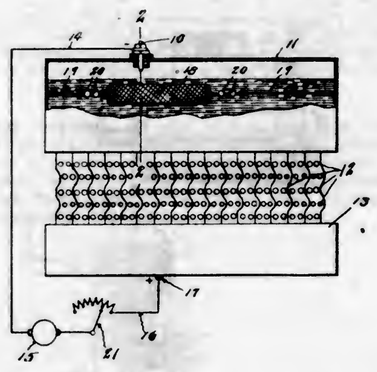
1. A refrigerating apparatus comprising a liquid container, means for removably supporting said container in an upright position, the walls of said container forming a hollow air containing space at the lower end of said container, a series of apertures leading from said space into the liquid containing space in said container, means for maintaining a partial vacuum in said container above the surface of the liquid therein, and connection for conducting free air into said space in the bottom of said container.

1,579,452. WEIGHING MACHINE. STANLEY G. MURRAY, Passaic, N. J. Filed Nov. 27, 1923. Serial No. 677,278. 31 Claims. (Cl. 249—19.)



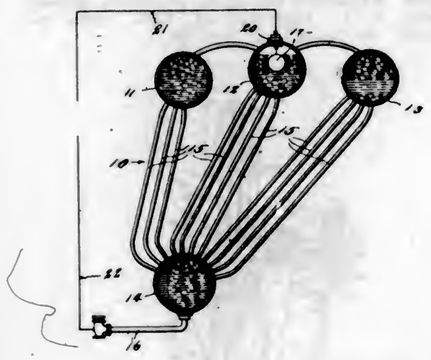
1. A weighing machine comprising weighing mechanism, a weigh hopper having means whereby it is supported wholly by the weighing mechanism to rotate on an axis which is inclined to the vertical and its axis is held at a variable angle of inclination.

1,579,453. METHOD OF PREVENTING SCALING AND PITTING OF STEAM BOILERS. GEORGE S. NEELEY, Wood River, Ill., assignor of one-half to Griffin Watkins, Alton, Ill. Filed Nov. 22, 1924. Serial No. 751,543. 9 Claims. (Cl. 204—25.)



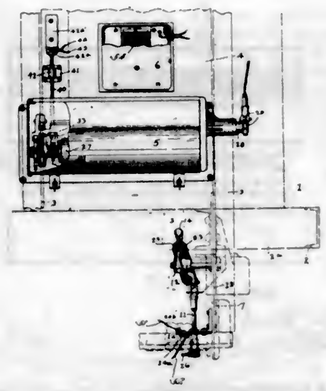
1. The hereindescribed method of preventing the formation of scale and pitting of the steam boilers, consisting in connecting one terminal of an electric circuit to the metal portion of the steam boiler, at a point which is located at or near the lowermost portion thereof, connecting the other terminal of said circuit to a single conductor located in and near the top line of the water contained in said boiler, and insulated from the latter, whereby said boiler and said water are electrically energized by an external source of electrical energy.

1,579,454. MEANS AND METHOD FOR PREVENTING SCALE AND INCRUSTATION IN STEAM BOILERS. GEORGE S. NEELEY, Wood River, Ill., assignor of one-half to Griffin Watkins, Alton, Ill. Filed Mar. 12, 1925. Serial No. 14,913. 22 Claims. (Cl. 204—25.)



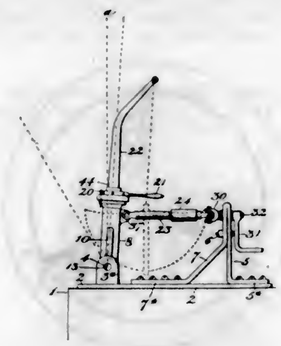
1. Means for preventing formation of scale in steam boilers and their accessories comprising in combination with a boiler apparatus, of a contact element arranged in said apparatus at a point adjacent to the steam egress thereof and in contact with the water contained therein, and an external electric circuit having two terminals, one terminal connected to said contacting element and its opposite terminal to said boiler apparatus at a point remote from the first mentioned terminal, in respect to the points of greatest temperature differences.

1,579,455. SAFETY MECHANISM. EDWARD H. REMDE, Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 18, 1922. Serial No. 588,829. 17 Claims. (Cl. 192—2.)



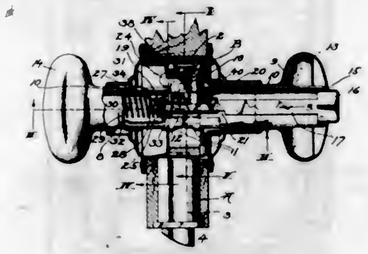
1. In apparatus of the class described, the combination with a mechanism to be operated, including an electric motor, of a motor circuit, said circuit including a pair of contacts and a conductor arranged to engage and disengage said contacts, a controller interposed in said circuit, a pair of members, one for operating said controller and the other effecting the operation of said mechanism, and electrically operated means associated with said members and arranged to cause said conductor to engage said contacts when one of said members is in neutral position and the other is operated.

1,579,456. DAVIT. ANE PIETER SCHAT, The Hague, Netherlands. Filed Feb. 18, 1922. Serial No. 537,653. 9 Claims. (Cl. 9—22.)



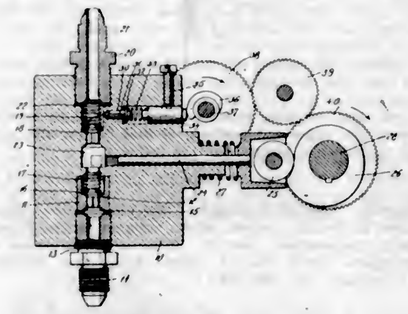
1. The combination with a vessel, of a socket mounted thereon at its lower end to rock in a vertical plane; a davit rotatably mounted in the socket; a stationary member on the vessel; thrust screw mechanism connecting the upper portion of the socket with the stationary member and adapted to rock the socket past the vertical to impart to the davit supported therein a tendency to rotate by gravity in the direction of its inclination and also to raise and lower the davit independently of the rotatable tendency imparted thereto; means on the davit at the upper end of the socket for excluding water and dirt from the socket and for holding the davit out of engagement with the inner upper walls of the socket as it rotates therein.

1,579,457. DOORLOCK. WALTER R. SCHLAGE, San Francisco, Calif. Filed Mar. 12, 1925. Serial No. 14,897. 10 Claims. (Cl. 292—164.)



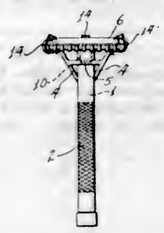
1. In a lock of the character described a housing, a latch carried thereby, a divided spindle consisting of an outer and an inner section, said sections being turnable independent of each other, means on each spindle for imparting a reciprocal movement to the latch, and means carried by the inner spindle and movable to form an interlock between the outer spindle and the lock housing to prevent rotation of said outer spindle.

1,579,458. RELIEF MECHANISM FOR FUEL PUMPS. PHILIP LANE SCOTT, Syracuse, N. Y., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed June 18, 1918. Serial No. 240,707. 7 Claims. (Cl. 123—139.)



1. In a fuel injecting system for internal combustion engines having a pump supplying liquid fuel under high pressure to an injection valve to open the valve and force the fuel into the combustion chamber, the combination of a vent between the pump and the injection valve, means for closing said vent during the injection stroke of the pump, and means for releasing said closing means near the end of the injection stroke to permit said vent to be opened to abruptly diminish the pressure of the liquid fuel at the opening into the combustion chamber and cause a sudden closing of the injection valve to prevent dripping of the fuel.

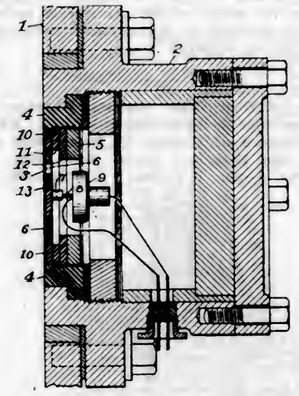
1,579,459. SAFETY RAZOR. WILLIAM F. VON HAMMERSTEIN, Los Angeles, Calif. Filed Sept. 12, 1924. Serial No. 737,358. 5 Claims. (Cl. 30—12.)



1. A safety razor of the character described comprising a guard member, a handle for supporting said guard member, a triangular blade having three cutting edges, said blade being formed with recesses at each corner thereof, the side walls of the recesses being disposed at an obtuse angle from one another, and means associated with said guard member for clamping said blade to said guard member and for flexing said blade adjacent to each of the edges.

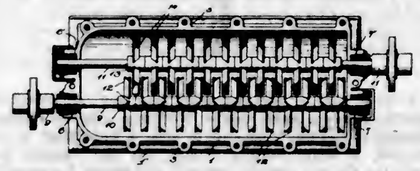
1,579,460. DIAPHRAGM FOR THE RECEPTION AND CONVERSION OF SOUND WAVES. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal & Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1922. Serial No. 589,344. 12 Claims. (Cl. 181—0.5.)

1. A sonant diaphragm adapted to be inserted in an opening in and forming a continuous portion of the skin of a ship comprising a resilient plate of hard, dense, noncorrodible, insulating material of sufficient size and thickness to resist water pressure and be responsive to vibrations of transmitted signals, means for supporting



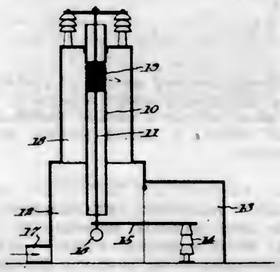
the margin of said plate in position, and sound transmitting means adapted to be operated by said plate.

1,579,461. METHOD AND APPARATUS FOR DEFIBERING PAPER AND LIKE MATERIALS. OTTO C. WINESTOCK, Perkinsville, Vt. Filed Nov. 29, 1924. Serial No. 752,977. 15 Claims. (Cl. 92—20.)



15. Apparatus for defibering paper and like materials comprising a casing, a hopper for feeding the material and a liquid to one end of the casing, a discharge outlet at the opposite end of the casing, parallel rotating shafts mounted in the casing, and propellers on the shafts, the successive blades on each propeller and the corresponding blades of the successive propellers being of opposite pitch.

1,579,462. METHOD OF AND APPARATUS FOR SEPARATING LIGHT MATERIALS FROM GASES. HARRY A. WINTERMUTE, New York, N. Y., assignor to Research Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 11, 1925. Serial No. 8,491. 8 Claims. (Cl. 183—7.)



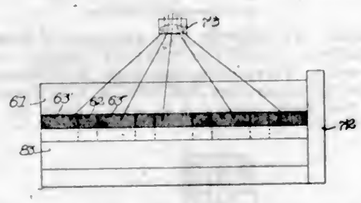
1. The method of separating light suspended material from gases, which consists in passing a gas stream carrying the material in suspension through a passage, and

subjecting the gas stream to an electric field causing a deposit of the material on the walls of the passage, the gas being passed through the passage at such velocity that under the action of the gas stream masses of the deposit are detached in agglomerated form and carried onwardly by the stream.

1,579,463. FLOOR MOP. DONALD WINTERS, Berkeley, Calif., assignor to Parker-Regan Mfg. Co., a Copartnership composed of Chester F. Parker and George P. Regan, San Francisco, Calif. Filed Feb. 11, 1925. Serial No. 8,420. 6 Claims. (Cl. 15—120.)

1. In a mop of the character described, an elongated handle member, said handle having a channel formed therein extending from end to end, a rod lying in the channel, a strip forming a filler for the channel and retaining the rod against removal, and means for securing the strip.

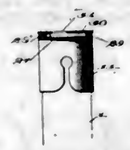
1,579,464. METHOD OF AND MEANS FOR PRODUCING COLORED PHOTOGRAPHS. JAMES G. ZIMMERMAN, Milwaukee, Wis. Filed Dec. 13, 1918. Serial No. 266,536. 29 Claims. (Cl. 95—2.)



1. The herein described method of producing colored pictures by photography which consists in exposing a sensitized plate beneath a suitable multicolor selective screen, and printing a colored positive directly from such a negative.

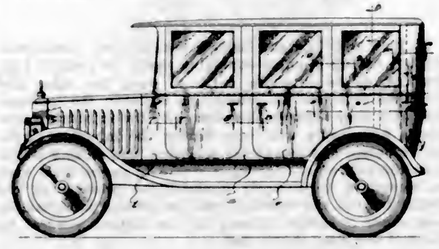
1,579,465. BLOTTER ATTACHMENT FOR PEN STAFFS. DOSS BRITTAIN, Galesburg, Ill. Filed Feb. 18, 1925. Serial No. 10,092. 4 Claims. (Cl. 120—24.)

1. An attachment of the character described comprising a tubular attaching member adapted to fit on an end portion of a pen staff, a head at the outer end of the tubular attaching member, a pair of opposite retaining flanges on said head, said flanges having inwardly extending upper end portions, a blotting sheet, and a carrying member on which said blotting sheet is



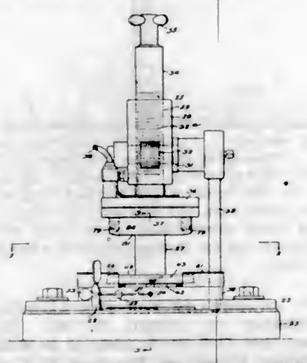
secured, said carrying member being adapted to be slid between the upper end portions of said flanges and said head to and from position on the latter.

1,579,466. VEHICLE BODY CONSTRUCTION. KENNETH L. CHILDS, Detroit, Mich., assignor to The Fabric Body Corporation, Detroit, Mich., a Corporation of Michigan. Filed Jan. 2, 1923. Serial No. 610,154. 11 Claims. (Cl. 296—28.)



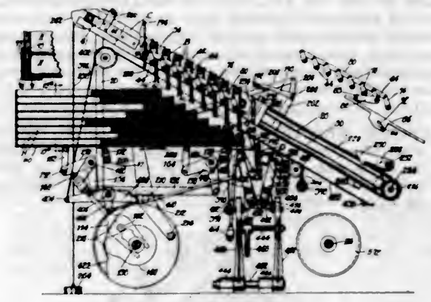
1. In a vehicle body construction, the combination of a skeleton frame, a panel frame comprising frame members, and a covering material secured thereover, angle bars secured to the skeleton frame and projecting therefrom across the edges of the panel and means for detachably securing the panel frames to the angle bars.

1,579,467. COVER-APPLYING DIE CONSTRUCTION. WILLIAM E. CHRISTMAN and ROY L. WARREN, Philadelphia, Pa., assignors, by mesne assignments, to J. Maurice Kelley, Philadelphia, Pa. Filed Jan. 5, 1924. Serial No. 684,673. 5 Claims. (Cl. 93—54.)



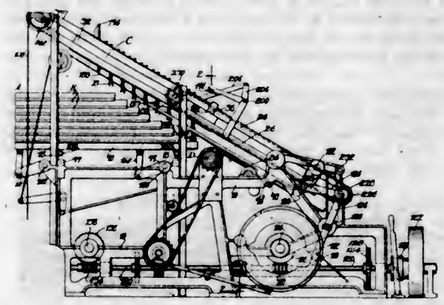
1. In a cover-applying construction for cases of the character described, a series of dies including a die block having a chamber; a die movable within said chamber and upon which a cover with a superimposed case body can be positioned; a die movable relatively to said die block and operative to move said case body to cause said first die to move within the chamber and thereby effect the stretching of the cover over the bottom of the case body and the turning of portions of the cover upwardly against the outer side surfaces thereof; automatically operative means for holding said first die after said movement; transversely movable dies operative to bend said upwardly turned portions of the cover inwardly over the top edges of the case body, said second mentioned die being operative to move into the case body and bend and press said inwardly bent portions of the cover into engagement with the inner side surfaces of the case body; and means for returning said first mentioned die to its normal position after its holding means is released.

1,579,468. METHOD AND MACHINE FOR FOLDING SHEETS. SIMON COOPER, Brooklyn, N. Y., assignor to The McCall Company, a Corporation of New York. Filed Nov. 18, 1922. Serial No. 601,858. 43 Claims. (Cl. 270—45.)



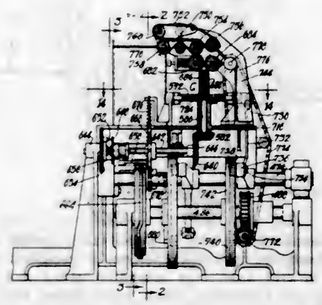
2. The method of folding sheets which consists in stacking them in separate piles, feeding one sheet from each pile to an operative station, wrapping them in one direction on an arbor, stripping them from the arbor and wrapping them in another direction to form a compact package.

1,579,469. SHEET SEPARATING AND FEEDING APPARATUS. SIMON COOPER, Brooklyn, N. Y., assignor to The McCall Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 18, 1922, Serial No. 601,858. Divided and this application filed Aug. 27, 1924. Serial No. 734,387. 21 Claims. (Cl. 270—58.)



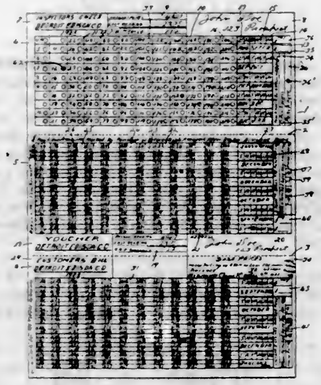
1. A sheet feeder including a carriage which supports a multiplicity of mechanically actuated sheet grippers, each including a member adapted when moved to separate one sheet from the top of a pile, means for simultaneously engaging a multiplicity of piles of sheets with said grippers and means for intermittently moving said carriage.

1,579,470. FOLDING MACHINE. SIMON COOPER, Brooklyn, N. Y., assignor to The McCall Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 18, 1922, Serial No. 601,858. Divided and this application filed Feb. 5, 1925. Serial No. 6,945. 12 Claims. (Cl. 242—55.)



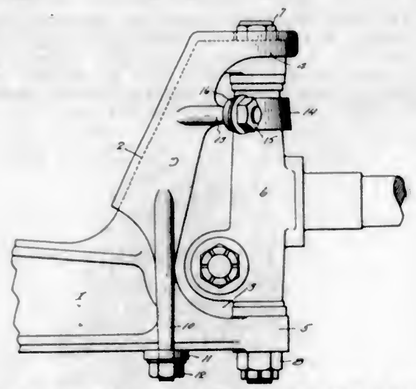
1. In a folding machine, a pack-wrapping arbor comprising a rotary member having two spaced uprights secured thereto, a clamp member pivotally secured to the rotary member and adapted to co-act with one of said uprights, means for holding the clamp closed while the arbor rotates and means for opening said clamp when the arbor is stationary.

1,579,471. METER BILL. ALFRED COPONY, Mount Clemens, Mich. Filed Nov. 12, 1923. Serial No. 674,297. 8 Claims. (Cl. 283—66.)



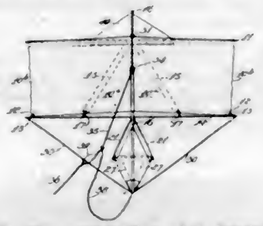
1. A form sheet of the class described comprising a series of sections adapted to be folded in superposed relation, each section having a table thereon, said sections being adapted to be punched when folded to designate certain numerals in each of said tables, and means on one section for indicating points thereof to be punched whereby the punch holes formed in the other sections will be spaced from the numerals designated.

1,579,472. REENFORCING MEANS FOR SPINDLE BOLTS. ALBERT CROST, Cleveland, Ohio. Filed Sept. 24, 1925. Serial No. 58,259. 5 Claims. (Cl. 280—96.1.)



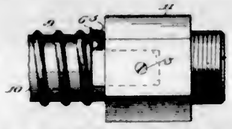
1. In combination with a forked axle having a wheel engaging spindle mounted thereon, a reenforcing brace secured to said axle, and extending along one fork of said axle, an adjustable clevis surrounding said spindle and brace comprising means for drawing said spindle toward said brace.

1,579,473. KITE STRUCTURE. CONRAD DAHL, Chicago, Ill., assignor to ROBERT N. BURTON, Chicago, Ill. Filed June 13, 1924. Serial No. 719,868. 11 Claims. (Cl. 244—22.)



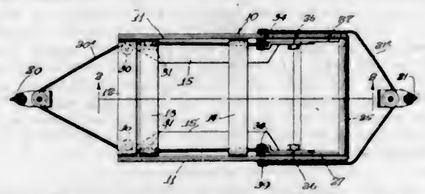
1. In a kite, the combination of a longitudinal mid-rib, a cross-arm secured thereto near the forward end, a second cross-arm positioned rearwardly of the first and spaced above the common plane of said first cross-arm and the mid-rib, tension members extending divergently from the first cross arm adjacent its intersection with the mid-rib to laterally spaced points on the second cross arm and a sail stretched in the triangular areas from the mid-rib divergently upward to said tension members and extending thence outwardly in the common plane of the cross arms.

1,579,474. HOSE PROTECTOR. WILLIAM H. DEMPSEY and ONON J. WAGGONER, Alton, Ill. Filed Aug. 26, 1925. Serial No. 52,524. 5 Claims. (Cl. 285—71.)



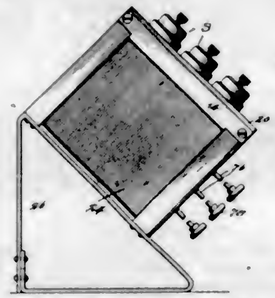
2. A hose protector curved to conform to a coiled wire wrapping and formed of a body portion provided with attaching arms projecting in the same direction from the opposite ends of the same side-edge thereof; the said body portion being formed with an open circumferential channel to receive the end of a coiled wire wrapping.

1,579,475. SCRAPER. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 17, 1923. Serial No. 625,792. 2 Claims. (Cl. 37—136.)



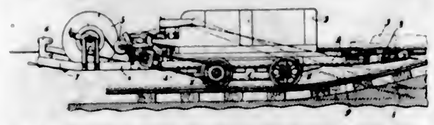
1. A scraper adapted for reciprocable movement along the ground and open at the forward end thereof, said scraper having side walls forming upright cutting edges at the rear end thereof, a movable closure pivotally connected to be bodily swung vertically above the cutting edges at said rear end, and draft means for reciprocably moving said scraper having operable connection with said closure whereby said scraper may be filled through the rear end when moved rearwardly, said closure means being movable into position to close the rear end when the scraper is moved forwardly.

1,579,476. ELECTRIC FURNACE. MANUEL D. DOMINGUEZ, New Orleans, La., assignor of one-half to Charles A. Denis and one-half to George Sarpy, both of New Orleans, La. Filed May 12, 1924. Serial No. 712,781. 22 Claims. (Cl. 219—36.)



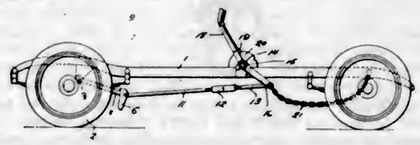
2. An electric heater comprising a metal heating tube, insulation thereon, a resistance wire wound about the insulation, circuit connections for the wire, and an ejector comprising a head within the tube and normally located at the tube bottom, a stem passing through the tube bottom and secured to the head, and a handle of heat-insulating material on the outward end of the stem and accessible for operation of the ejector.

1,579,477. MINING-MACHINE TRUCK. CECIL PARKER FOLMAR, Birmingham, Ala., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 12, 1921. Serial No. 507,335. 5 Claims. (Cl. 105—161.)



5. A mining machine truck comprising wheels, and a body supported thereon and adapted to support a machine thereon, said body having upturned ends and having an upper surface lower at its central portion than at its ends.

1,579,478. ANTISKIDDING DEVICE FOR AUTOMOBILES. EDWARD HAAS, San Antonio, Tex., assignor of one-half to William V. Dielmann, San Antonio, Tex. Filed Jan. 28, 1925. Serial No. 5,346. 1 Claim. (Cl. 188—4.)



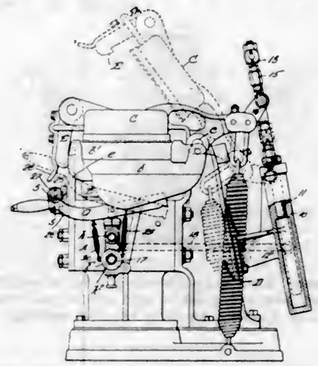
An anti-skidding device for automobiles comprising vertical swinging arms pivotally connected with the automobile chassis and having lateral journal pins, tapered shoes pivotally mounted on said journal pins and having rear sides of concave cross section and also having kerfs in the forward sides of their upper portions, said kerfs being intersected by said journal pins, rods having heads disposed in said kerfs and pivotally connected to said journal pins, a transverse shaft journalled in bearings on the chassis and having cranks at its ends, said cranks, pivotally connected to said rods, means for adjusting and adjustably fixing said transverse shaft, and cables interposed between and connected to the forward portions of said rods and the forward portion of the chassis.

1,579,479. KNITTED ARTICLE AND METHOD OF MAKING SAME. CHARLES S. HOLDEN, Worcester, Mass., assignor, by mesne assignments, to Holden Knitting Co., Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 25, 1921. Serial No. 495,156. 1 Claim. (Cl. 2—158.)

The method of making improved knitted articles for cleaning purposes, which consists in first providing a length of tubular knitted web comprising a series of portions of equal lengths and diameters separated by a series of portions of smaller lengths and diameters and being more closely knit, any two of the longer portions and any two of the smaller portions being exactly similar, then cutting said tubular knitted web at every other smaller portion, passing rubber bands around the intermediate smaller portions, then pulling one long portion of each piece so cut over the band and over the other long portion, until the severed ends meet, and finally securing the ends, thus forming articles providing a tube having unbroken double walls, one end thereof being closed.

1,579,480. MACHINE FOR FORMING OIL CAKES. CHARLES W. HOOVER, Yazoo City, Miss., assignor by mesne assignments, to The French Oil Mill Machinery Co., Piqua, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,970. 6 Claims. (Cl. 100—51.)

1. In an oil cake forming machine, the combination with a ram and a head block which cooperate to press the cake, said head block being mounted to swing out of pressing position to permit the introduction of the cake material between the ram and head block, and a latch for releasably holding the head block in pressing position, of a hand controlled device which is movable for operating the machine to press the cake, a latch-actuating device which is arranged adjacent to said controlling device and

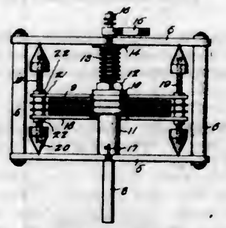


is actuated thereby to release the latch when said controlling device is moved after the cake is pressed, and means for raising the head block when released.

1,579,481. LIGHT ALUMINUM ALLOY AND METHOD OF PRODUCING SAME. VICTOR EVERS HYBINETTE, Monrovia, Calif. Filed Jan. 22, 1925. Serial No. 4,119. 7 Claims. (Cl. 75—1.)

1. A light aluminum alloy consisting of over 90 per cent aluminum, and the remainder consisting mainly of nickel and metals of the chromium group, in the proportion of about 0.50% to 3.0% nickel and from about 0.25% to 1.50% metals of the chromium group.

1,579,482. VARIABLE AIR CONDENSER. JESSE J. JORGENSEN, Balboa, Canal Zone, Panama. Filed Mar. 19, 1925. Serial No. 16,809. 8 Claims. (Cl. 250—41.)

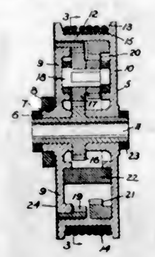


1. In a variable air condenser, a support, active plate carrying means, and supporting elements carried by the plate carrying means for mounting the latter in the support, said supporting elements having pointed ends contacting the support, said plate carrying means being entirely free of connection or contact with the support except as provided by the contact of the pointed ends of the supporting element with said support.

1,579,483. PORTABLE WINCH. BRYAN P. JOYCE, Davenport, Iowa, assignor to Thomas A. Conlon, Silver Spring, Md. Filed Sept. 6, 1923. Serial No. 661,268. 2 Claims. (Cl. 254—186.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

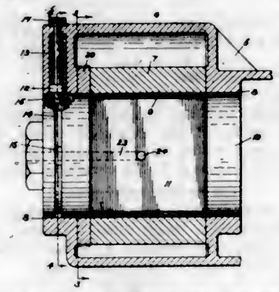
1. In a portable winch, a rotatable shaft, a fixed plate in which said shaft rotates, a second plate rotatably mounted on said shaft, a flange on said second plate, said plates cooperating to form a housing, annular gears secured to said plates respectively, a pinion affixed to said shaft, a gear mounted in said housing and meshing with said pinion and one of said annular gears, a second gear actuated by said first gear and meshing with the

other of said annular gears, the members of said gear train cooperating to transmit rotation of said shaft in a different phase to said second named plate, said



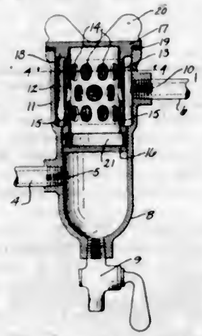
flange formed with a peripheral groove, a hoisting element adapted to be wound in said groove and means for securing said hoisting element to said housing.

1,579,484. ADJUSTABLE AXLE PIVOT PIN FOR GUN CARRIAGES. BRYAN P. JOYCE, Davenport, Iowa. Filed Dec. 3, 1924. Serial No. 753,604. 10 Claims. (Cl. 89—40.)



7. A wheeled gun mount including a carriage, an axle therefor, and a pivot pin adjustable to form a pivotal or loose connection between the carriage and axle.

1,579,485. STRAINER. PASQUALE JOSEPH PICCIRILLI, New York, N. Y. Filed Aug. 18, 1921. Serial No. 493,230. 2 Claims. (Cl. 210—165.)

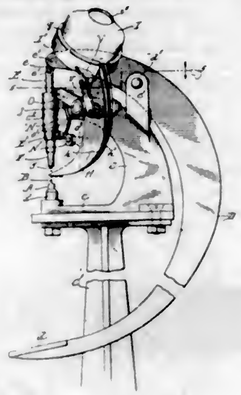


1. In a straining device, the combination with a casing having a cap and inlet and outlet openings at different levels, of a strainer-carrying frame secured to said cap in screw-threaded engagement with said casing between said openings and extending upwardly from said screw-threaded engagement and straining means carried by said frame.

1,579,486. INHALER. EUGENE M. PLETCHER, Philadelphia, Pa. Filed Oct. 19, 1922. Serial No. 595,470. 1 Claim. (Cl. 128—198.)

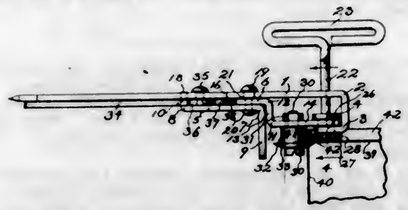
An inhaler comprising a pair of inverted cups the top walls of each of which are slitted T-shaped fashion to provide a yielding cartridge supporting member, a substantially cylindrical cartridge vertically positioned within each of said members, and a bowed spring connecting said cups.

1,579,487. EYELET-SETTING MACHINE. SAMUEL POLINSKY, Long Island City, N. Y., assignor to Defiance Button Machine Co., New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,283. 15 Claims. (Cl. 218—15.)



1. In an eyelet setting machine, the combination with eyelet setting means including members movable relatively one to the other, of a rockable feeder the delivery portion of which is movable with respect to the eyelet setting means, a feeder operating member co-operable with the feeder, a magazine rotatably mounted on said feeder, and means actuated by the feeder-operating member for imparting a rotative step motion to said magazine.

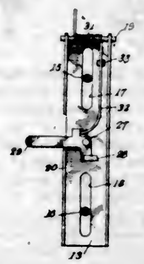
1,579,488. CAN OPENER. ADOLPH R. RAMIG, Chicago, Ill., and GEORGE H. RAMIG, Terre Haute, Ind. Filed Apr. 16, 1925. Serial No. 23,541. 7 Claims. (Cl. 30—3.)



1. In a can opener, a frame comprising a bar provided with a table in a plane parallel to the plane of the body part of said bar, a shaft rotatably mounted in said

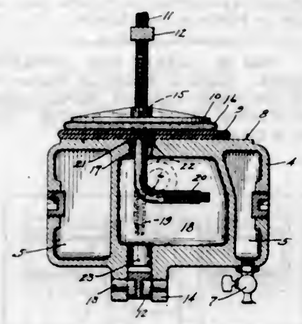
frame, a handle on one end of said shaft and a wheel provided with teeth rigidly mounted on the other end of said shaft, a frame movably mounted on the first named frame, a cutting wheel rotatably mounted on said movable frame, and a guard on said movable frame arranged to be adjacent to the cutting edge of said wheel, in combination with a lever fulcrumed on said first named frame, and means on said lever arranged to control the position of said movable frame on said first named frame, and a roller rigidly secured to said cutting wheel.

1,579,489. HANDLE FOR POTS AND KETTLES. FREDERICK RAU, Lakeside Town, Colo. Filed Apr. 18, 1924. Serial No. 707,323. 3 Claims. (Cl. 53—3.)



1. A construction of the character described, comprising two members hinged together at the top, means for securing one member to a pot or the like and means for securing the handle to the other member in various vertical adjusted relations.

1,579,490. TUBE-VULCANIZING DEVICE. JERRY R. RYAN, St. Paul, Minn., assignor, by mesne assignments, to Ke Haw Ke Manufacturing Company, Minneapolis, Minn. Filed Oct. 16, 1924. Serial No. 743,928. 4 Claims. (Cl. 18—18.)

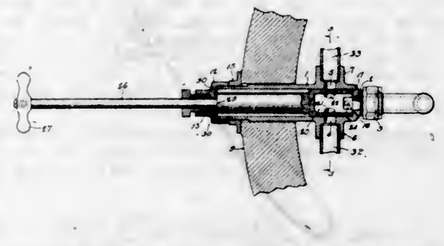


1. A vulcanizer comprising a body member having a heating chamber, a valve stem chamber, a work-supporting surface, and a valve stem passageway leading from said work-supporting surface to the valve stem chamber, said valve stem chamber being extended laterally from the projected axes of said passageways to afford clearance for a bent valve stem inserted through said passageway.

1,579,491. WINDOW SHADE AND CURTAIN SUPPORT. ANTONI RYBACK and STANLEY RYBACK, Depew, N. Y. Filed Oct. 29, 1924. Serial No. 746,487. 3 Claims. (Cl. 156—24.)

1. A device of the class described comprising a bracket presenting a longitudinally slotted horizontal top piece, a block slidably mounted on said top piece and having its top side hollowed to receive the end of a curtain pole, a cover member for the curtain pole end hinged to the said block, and means for securing the said block in adjusted positions on the said top piece.

1,579,492. MIXING VALVE. LOUIS SCHLESINGER, Milwaukee, Wis., assignor to Bradley Wash-Fountain Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 14, 1923. Serial 651,544. 1 Claim. (Cl. 251—106.)

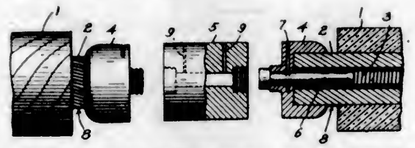


In a mixing valve the combination of a cylindrical casing provided at one end with an outlet port and pipe connection, an internal shoulder around the outlet port, and an inwardly projecting stop stud, and adjacent the same end on opposite sides with inlet ports and pipe couplings; a hollow cylindrical plug rotatably fitting in the bore of the casing with its end against said shoulder and its bore in open communication with said outlet port, and provided with lateral ports opening into its bore and arranged to register with and open one inlet port while the other inlet port is closed and in intermediate positions to partially open both inner ports, stops formed by the sides of a notch in the open end of the plug arranged for engagement with said stop stud to limit the movement to the plug in either direction in position to open either inlet port; a removable cap threaded on the end of the casing opposite the outlet port and provided with a stuffing box; and a stem attached at one end to and extending axially outward from the plug through the cap and stuffing box and provided with a shoulder for engagement with the cap.

1,579,493. WATERPROOFING COMPOUND AND PROCESS OF MANUFACTURING THE SAME. CLARENCE D. SHAFFER, Kalamazoo, Mich., assignor to Textile Leather & Metal Preserver Co. Inc., Kalamazoo, Mich. Filed Jan. 26, 1923. Serial No. 615,168. 2 Claims. (Cl. 134—17.)

2. The process of preparing waterproofing compound consisting in heating and dissolving colophony in gasoline, diluting and cooling the same with additional gasoline, melting and dissolving paraffin in gasoline and mixing the whole cold with rubber cement.

1,579,494. CABLE STRUCTURE. DONALD M. SIMONS, Osborne, Pa., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1925. Serial No. 16,731. 2 Claims. (Cl. 173—263.)

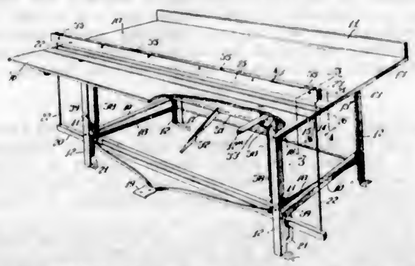


1. A connector for hollow conductors consisting of two hollow thimbles whose walls are penetrated from the exterior to the hollow within by transverse slot, and adapted to be brought into electrical union with opposite conductor ends, and a hollow uniting body adapted to engage, to make electrical union with, and to integrate with itself the two thimbles when applied.

1,579,495. SCRAPER.. LILLIAN E. A. STROUD, Philadelphia, Pa. Filed Apr. 3, 1923. Serial No. 629,556. 1 Claim. (Cl. 15—236.)

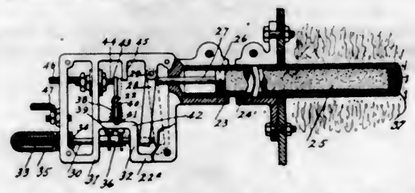
As an article of manufacture, a scraper comprising an elongated blade having top and bottom corners and a rear edge extending between said corners; a handle attached to said rear edge intermediate said corners; a straight scraping edge proceeding from the bottom corner; a curved scraping edge extending upward from the straight edge and forming a convex front edge opposite the rear edge extending between the handle and the bottom corner; and a top edge extending from said top corner on a concave curve toward said straight edge and terminating in a curve merging into said convex front edge, substantially as described.

1,579,496. CREASING AND HEMMING MACHINE. WILLIAM WADE, Chicago, Ill. Filed July 6, 1925. Serial No. 41,499. 9 Claims. (Cl. 270—84.)



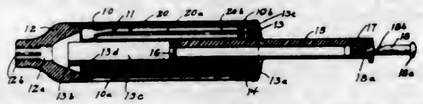
1. A creasing and hemming machine, comprising a plurality of parallelly arranged crease forming members adapted to move toward each other, means whereby the material to be creased and hemmed is forced between said members, and means whereby said members are moved into crease forming relation.

1,579,497. SAFETY CONTROL MECHANISM FOR ELECTRICALLY-CONTROLLED FUEL-BURNING DEVICES. LOYD I. ALDRICH, Peoria, Ill., assignor to Hart Oil Burner Co., Peoria, Ill., a Corporation of Illinois. Filed Sept. 19, 1923. Serial No. 663,576. 6 Claims. (Cl. 158—28.)



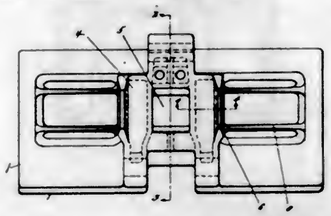
1. A fuel burning device comprising means for projecting a fuel mixture into a zone of ignition, a combustion chamber, an electrical safety control mechanism for preventing the projection of the fuel mixture upon an initial failure of ignition or a failure of combustion conditions thereafter, said safety control mechanism comprising a switch including a movable contact member, a thermal member sensitive to combustion conditions for controlling the movement of said member, and a slip connection between the thermal member and the movable contact member for substantially immediately actuating the movable contact member upon initial movement of the theral member in either direction.

1,579,498. COMBINATION TOOL. AXEL G. ANDERSON, Minneapolis, Minn. Filed Feb. 19, 1925. Serial No. 10,250. 7 Claims. (Cl. 145—62.)



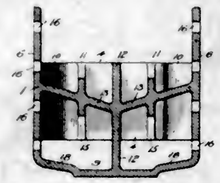
7. A combination tool comprising a casing having therein a magazine formed of sheet material folded into a plurality of chambers having substantially radially extending parallel sides, said chambers being closed at their outer sides and having their inner sides open and each adapted to receive a tool therein.

1,579,499. TRACK LINKS FOR STEAM-SHOVEL STRUCTURE. HARRY J. BARNHART, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a Corporation of Ohio. Filed Nov. 3, 1921. Serial No. 512,519. 5 Claims. (Cl. 305—10.)



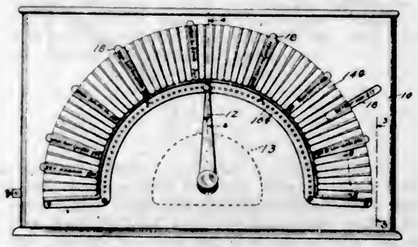
5. A track link comprising a base, a housing on said base, said housing having a socket aperture in one end, and having an opening opposite said socket aperture, said housing comprising walls, having openings communicating to atmosphere, upstanding flanges on said housing and extending oppositely from said base, brace members connecting said flanges with said base, said brace members integral with said flanges and base.

1,579,500. DRAFT RIGGING. DONALD S. BARROWS, Rochester, N. Y., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Dec. 30, 1921. Serial No. 525,874. 8 Claims. (Cl. 213—57.)



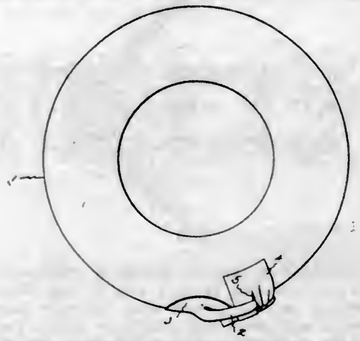
1. A stop casting for railway draft rigging comprising spaced side walls, end walls integrally connected thereto, one of said last named walls being adapted to engage a movable element of the draft rigging, and means for reinforcing said last named wall, said means including an upright flange extending substantially the full width of said last named wall and below the same for connecting the same to the base plate of said casting at a point substantially in vertical alinement with said end wall.

1,579,501. RADIO LOG AND INDICATING DEVICE. FRANK D. BLAIR, Mound, Minn. Filed Jan. 15, 1925. Serial No. 2,558. 3 Claims. (Cl. 116—133.)



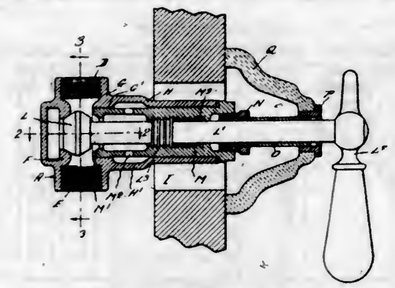
2. The combination with a movable tuning control member of a radio receiving set, of an identification registering device having a track concentric with the path of travel of the control device and over which the control device is slidably adjusted, and an arcuate member surrounding said track and having a radial series of sockets open at their outer ends and closed at their inner ends adjacent said track adapted to receive and retain identification members bearing indicia of radio sending stations.

1,579,502. LIFE PRESERVER. HENRY J. BLAKESLEE, West Hartford, Conn. Filed Aug. 10, 1925. Serial No. 49,163. 2 Claims. (Cl. 9—17.)



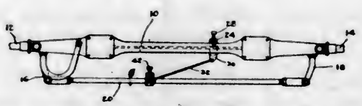
1. A life preserver comprising a tubular flexible airtight water-proof ring adapted to be placed about the neck of the user, a flexible nipple opening into the ring and an elastic sealing strip attached to the ring and providing means whereby the nipple may be tucked under and folded about and be sealed thereby.

1,579,503. VALVE. LEON BLOCH, Cleveland, Ohio. Filed May 27, 1925. Serial No. 33,137. 7 Claims. (Cl. 251—22.)



1. A valve of the class described comprising a casing having a plurality of inlets and a plurality of outlets, said casing having a tubular extension having communication with said casing and with one of said outlets, a sleeve mounted in said tubular extension and having a valve seat at its inner end and communicating with said tubular extension, a valve member movable within said casing and adapted to seat within said casing to close another of said outlets or to seat against the valve seat on the inner end of said sleeve and means for moving said valve member.

1,579,504. TOWING DEVICE. ISAAC E. BOEKENOOGEN and EARL AMES, Aitkin, Minn. Filed Jan. 14, 1925. Serial No. 2,295. 2 Claims. (Cl. 280—89.)



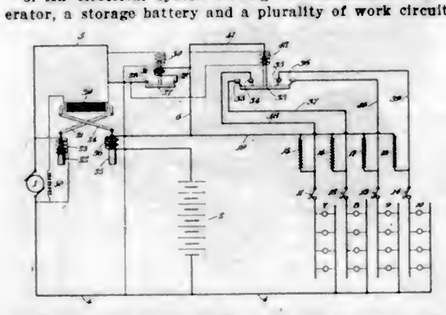
2. A device for use in towing motor vehicles comprising an end member consisting of a base, a flange extending up from one end of said base, a bolt threaded through said flange, a second flange extending up from the other end of said base and a horizontal flange extending from the top of said second flange in alignment with said bolt whereby said member is adapted to fit upon and be clamped to the front axle, a rod pivotally attached at one end to said horizontal flange, a second end member consisting of a base, an eye carried by said base, to which the other end of said rod is pivotally attached, a flange extending up from one end of said base, a bolt threaded through said flange and a second flange extending up from the other end of said base, said second flange being V-shaped and having a short portion extending inwardly from its top in substantially parallel relation to said base whereby said second member is adapted to fit upon and be clamped to the steering knuckle arm tie rod.

1,579,505. ELECTRICAL SYSTEM. WILLIAM F. BOUCHÉ, Lancaster, N. Y., assignor, by mesne assignments, to The Gould Coupler Company, a Corporation of Maryland. Filed July 29, 1921. Serial No. 488,339. 6 Claims. (Cl. 171—313.)

3. An electrical system having in combination a generator, a storage battery and a plurality of work circuits connected to be supplied from the generator in parallel, an electro-responsively operated switch for connecting and disconnecting the generator from the battery and work circuits, a plurality of fixed resistances

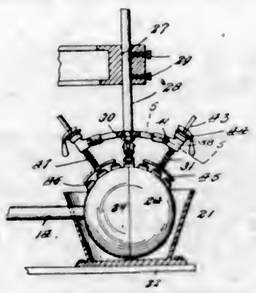
in series with the work circuits respectively, means for short circuiting said resistances, and a coil controlling said short circuiting means, said coil being connected across said switch whereby when the switch is open the coil is energized to cause the resistances to be short circuited and also permit the battery to supply current to the generator.

6. An electrical system having in combination a generator, a storage battery and a plurality of work circuits



connected to be supplied from the generator in parallel, an electro-responsively operated switch for connecting and disconnecting the generator from the battery and work circuits, a plurality of fixed resistances in series with the work circuits respectively, a single switching element for short circuiting all of said resistances, and electro-responsive means for controlling said switching element responsive to the opening and closing of the first mentioned switch.

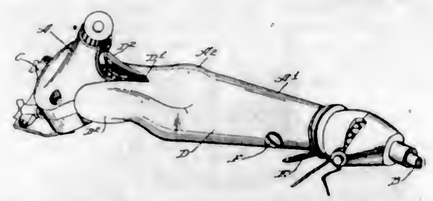
1,579,506. LENS GRINDING AND POLISHING MACHINE. JOHN T. BRESNIN, Lancaster, Ohio. Filed Mar. 5, 1923. Serial No. 622,837. 2 Claims. (Cl. 51—216.)



1. In a lens grinding and polishing machine, a supporting frame, a beam projecting from the frame and having in its end a vertically extending opening, a bar extending through said opening, means for adjustably supporting the bar in the opening, a lens carrier support on the lower end of the bar, a lens carrier including a pair of pivoted members one fixed to the lens carrier support and the other provided with a bore, a rod slidable through the bore, lens holders at the end of said rod, and a spring associated with said rod for holding the lens in the work holders against a grinding element.

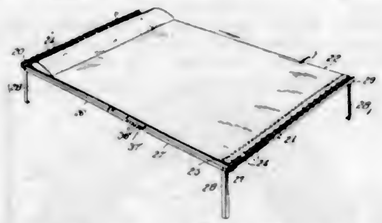
1,579,507. HANDHOLD JACKET FOR POWER-OPERATED SHEEP SHEARS AND THE LIKE. FRANCISS G. BRISTOW, Sydney, Australia, assignor to Chicago Flexible Shaft Company, a Corporation of Illinois. Filed Aug. 9, 1924. Serial No. 731,232. 2 Claims. (Cl. 74—33.)

1. A hand-hold sheath for a sheep shears and the like, consisting of a jacket made of flat material flexible for being folded closely about a handle portion of the tool and provided with means for lacing its edges together for securing it on the tool handle, the same consisting of an inner layer of leather for contact with the tool



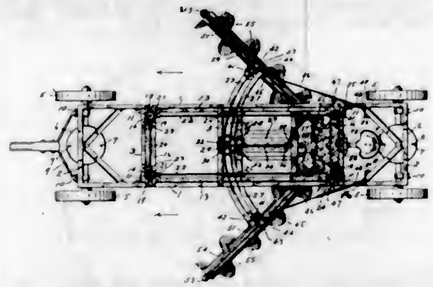
handle, an outer covering layer of wool felt for contact with the hand of the operator, and means for securing the two layers together over substantially their entire area.

1,579,508. COT. CHARLES D. BROUYETTE, Topeka, Kans. Filed Dec. 27, 1921. Serial No. 525,161. 6 Claims. (Cl. 5—114.)



1. A cot comprising end bars, a sheet of fabric connected evenly between said end bars, sectional side bars which sections are relatively adjustable with respect to each other connecting said end bars at each side of the cot, one of the side bar sections at each side of the cot comprising a guide within which the other side bar section is slidable, a lever irremovably fulcrumed to one of said side bar sections and detachably engaging the other side bar section for sliding said sections longitudinally with respect to each other for tightening the fabric and for holding said side bars rigidly in such position.

1,579,509. ROAD-WORKING DEVICE. GRANT C. BROWN, Dresser Junction, Wis. Filed Jan. 31, 1923. Serial No. 616,018. 11 Claims. (Cl. 15—82.)



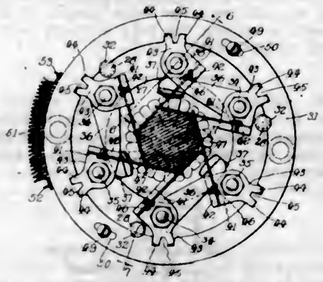
4. A road-making machine having in combination, a frame, arms extending at each side of said frame, a yoke swiveled on each of said arms, revoluble members journaled in said yokes and adapted to engage and operate on the road surface, the longitudinal axes of said members and yokes diverging from the center line of the

machine toward one end thereof, and means for moving said arms inwardly and outwardly from said frame to vary the angle between said revoluble members.

1,579,510. DIVING BOARD. WALTER STERRY BROWN, Urbana, Ill. Filed Aug. 24, 1925. Serial No. 52,235. 2 Claims. (Cl. 272—66.)

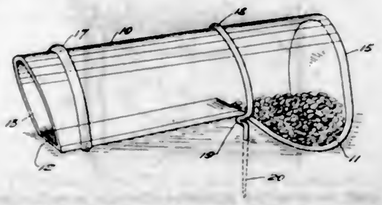
1. A diving board of the character described comprising an elongated resilient member arranged for anchorage at one end to a supporting surface, a stationary member arranged for anchorage to said supporting surface and disposed beneath that portion of the elongated member forward of the mid point thereof, said stationary member having a groove extending longitudinally thereof, irregular side walls, and a fulcrum member having irregular portions fashioned for engagement with the irregular side walls of said groove, said fulcrum member being arranged to support the forward portion of the elongated member.

1,579,511. MACHINE FOR CUTTING GREEN CORN FROM THE COB. FRANK W. BURPEE, Chicago, Ill., assignor to Burpee Can Sealer Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1924. Serial No. 692,666. 7 Claims. (Cl. 130—9.)



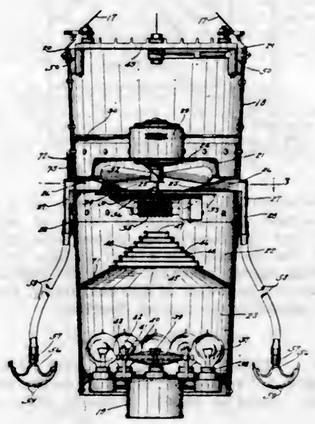
1. In a machine of the character described, the combination of a stationary annular frame member, levers pivoted intermediate their ends on said frame member, cutter blades mounted on the inner arms of said levers and disposed tangentially around the axis of said frame member, a ring revolvably mounted on said frame member and geared to the outer arms of said levers, and a spring anchored at one end to said frame member and at its other end to said ring.

1,579,512. RODENT DESTROYER. FRANK LEE BUSHONG, Charles Town, W. Va. Filed Nov. 4, 1924. Serial No. 747,845. 4 Claims. (Cl. 43—131.)



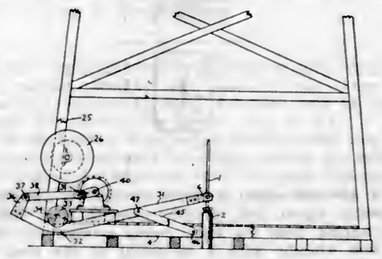
4. An animal exterminator consisting of a tubular passageway open at one end and closed at the other, said passageway having a flat bottom constituting a runway, a bulge at the closed end of the passageway, the walls of which slope gradually from the bottom of the passageway, said bulge being substantially semi-cylindrical in shape and having its axis at right angles to the axis of the passageway, a rib on the bottom of the passageway in parallelism with said axis, said rib and the bottom of the pocket being adapted to support the holder in stable equilibrium with the runway gradually sloping upward.

1,579,513. ELECTROTHERAPEUTIC APPARATUS. JOSEPH CAMERON, Minneapolis, Minn. Filed May 4, 1925. Serial No. 27,823. 14 Claims. (Cl. 174—177.)



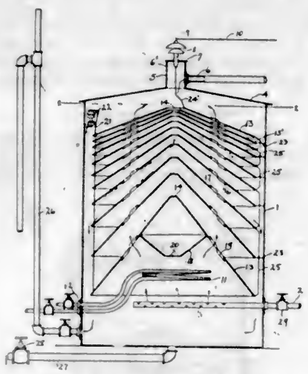
1. A casing having a fan housing, a heating chamber and a light chamber, said fan housing having a discharge port leading to the heating chamber and said light chamber having a focusing opening, in combination with a fan mounted in the fan housing, of a heating element mounted in the heating chamber, and a light bulb mounted in the light chamber.

1,579,514. JACK FOR PUMPS AND THE LIKE. DICK KENDALL CASON, Jr., Nacegdoches, Tex. Filed Apr. 10, 1924. Serial No. 705,446. 6 Claims. (Cl. 74—5.)



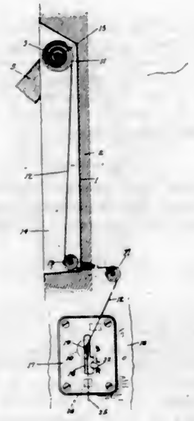
1. In a device of the character described, a platform, a beam inclined relative to said platform, a post pivotally supported at its lower end to said platform and pivotally connected at its upper end to said beam, an upwardly curved lower end on said beam, a roller above said curved end against which said lower end bears and means to reciprocate said beams.

1,579,515. ELECTRICAL DEHYDRATOR. DICK KENDALL CASON, Jr., Nacogdoches, Tex. Filed Aug. 16, 1924. Serial No. 732,418. 8 Claims. (Cl. 204—25.)



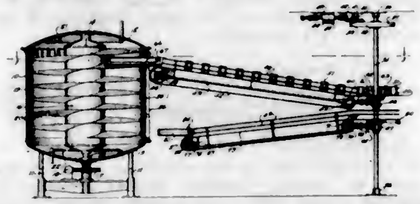
1. In an electrical dehydrator for crude oil, a series of conical shaped plates, alternate ones of which are grounded and the intervening plates being electrically insulated and connected in a high tension circuit, said plates being spaced apart by gradually increasing distances from top to bottom of said dehydrator, and having openings therein in the manner described.

1,579,516. DIRECTION SIGNAL FOR VEHICLES. FREDERICK J. CASSARETTO, Stockton, Calif. Filed Apr. 27, 1925. Serial No. 26,057. 2 Claims. (Cl. 116—52.)



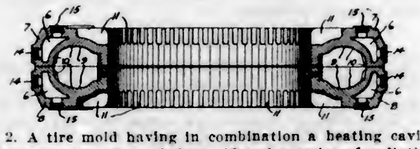
1. A direction signal structure for vehicles comprising a movable signal arm, a stem movable in a slot, a cable leading from the stem, means between the cable and arm whereby with a movement of the stem the arm will be moved to a signal displaying position, and means tending to restore the arm to a neutral position whereby the cable is maintained in tension; the slot having a side recess to receive the stem when the latter has moved a predetermined distance and the cable extending from the stem at an angle to that side of the slot in which the recess is located whereby to automatically pull the stem laterally into said recess when the stem is in alinement therewith.

1,579,517. AUTOMATIC PROCESSING APPARATUS. FRANK D. CHAPMAN, Berlin, Wis., assignor to Berlin-Chapman Company, Berlin, Wis., a Corporation of Wisconsin. Filed Aug. 3, 1923. Serial No. 655,531. 12 Claims. (Cl. 126—272.)



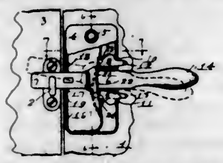
1. A shell, and a spiral can support within said shell for receiving and holding said cans in indiscriminate order.

1,579,518. PNEUMATIC-TIRE MOLD. GEORGE F. CONNELLY, San Francisco, Calif. Filed Jan. 20, 1925. Serial No. 3,600. 3 Claims. (Cl. 18—18.)



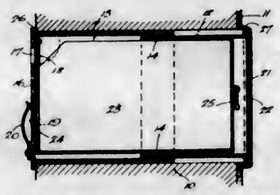
2. A tire mold having in combination a heating cavity at the tread portion of the mold and a series of radiating vanes on the side wall and bead portion of the mold to eliminate overcuring the bead and side wall of the tire during vulcanization.

1,579,519. DOOR LATCH. ANDREW EKMAN, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed June 26, 1925. Serial No. 39,641. 10 Claims. (Cl. 292—195.)



3. In a door latch; a keeper; a pair of spaced bearings, a bolt having a pair of members spaced in the bolt's transverse direction and movable rockingly and slidably in said bearings respectively in the bolt's disengaging movements from the keeper.

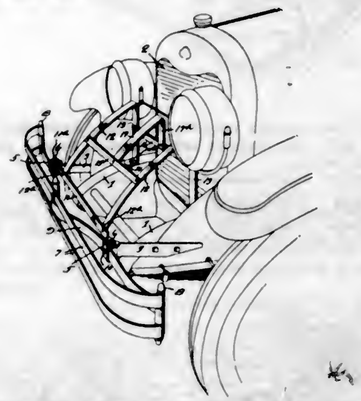
1,579,520. MAIL BOX. EDWARD FLEMING, Columbus, Ohio. Filed Dec. 26, 1924. Serial No. 758,214. 1 Claim. (Cl. 232—19.)



A mail receiver for extension through a wall opening including two sections in telescoping relation having rigid flanges at their outer ends, means to adjustably connect

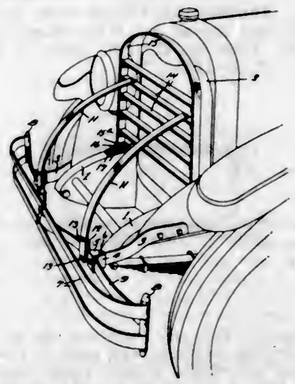
the telescoping inner portions of said sections whereby to clamp their outer flanges against opposite faces of a wall through which the receptacle is extended, one of said sections having a rigid wall closing its outer end and provided with a mail slot, a door hinged to and normally closing the outer end of the other section, and a mail receptacle in said sections to receive mail through the slot of said rigid wall and restrained by the latter from movement out of the receiver in one direction, said receptacle being freely movable into and out of the receiver through the opposite end thereof with the said door open.

1,579,521. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed June 27, 1925. Serial No. 39,913. 13 Claims. (Cl. 293—55.)



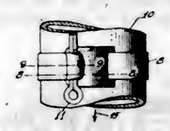
9. A bumper for the end of an automobile comprising a transverse bottom bar, and a pair of side bars secured to and extending upwardly and away from said transverse bar and each having a leg for supporting its upper end from the frame of the automobile.

1,579,522. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed June 27, 1925. Serial No. 39,914. 11 Claims. (Cl. 293—55.)



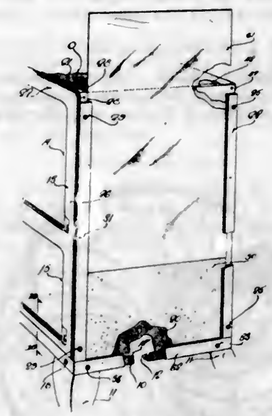
11. Protecting means for the end of an automobile comprising an inverted U-shaped frame having a plurality of transverse bars, and means for supporting the sides of the said frame from the automobile frame.

1,579,523. CLAMP. RENÉ GOUIRAND AND AUGUSTE PACHE, New York, N. Y. Filed May 19, 1925. Serial No. 31,283. 13 Claims. (Cl. 24—19.)



2. A clamp embodying a band, a tie member adapted to be secured to one end of the band and having an opening through which the other end of the band is adapted to be passed and thereafter rolled, said opening having a curvilinear contour, whereby the rolling of the band to place it under tension will draw the band over such curvilinear contour and distort it sufficiently to effectually lock the band against inadvertent loosening.

1,579,524. STOVE. WILLIAM L. GREGG, Milwaukee, Wis., assignor to Fuller-Warren Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 14, 1925. Serial No. 9,244. 11 Claims. (Cl. 126—39.)



1. In a device of the character described, a supporting frame, inner lining walls mounted on the frame, means connecting the lining walls, exterior panels for covering the lining walls, and said lining walls maintaining the exterior panels in position whereby expansion and contraction thereof is permitted.

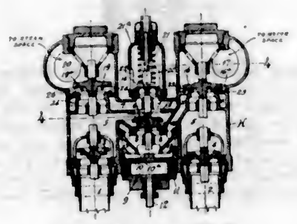
1,579,525. PROCESS FOR TREATING PULP. WILLIAM D. GREGOR, WESLEY M. OSBORNE, and ALEX J. KEMZURA, Newton Falls, N. Y. Filed July 14, 1924. Serial No. 725,981. 4 Claims. (Cl. 8—2.)

1. In the process of preparing digested paper pulp for bleaching, the step which comprises treating the pulp at about normal temperatures with an agent capable of converting impurities contained in said pulp into water soluble compounds.

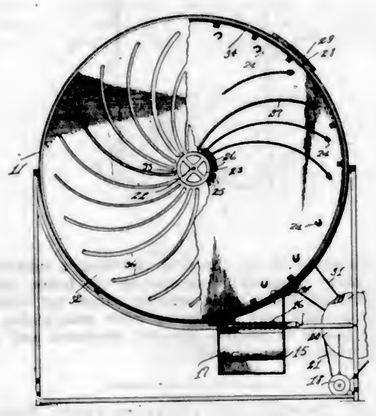
1,579,526. FEED-CONTROL APPARATUS FOR STEAM BOILERS. OTTO GÜNTHER, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed May 31, 1923. Serial No. 642,404. 3 Claims. (Cl. 122—451.2.)

1. In a feed water control mechanism for steam boilers, the combination of a housing having an outlet for receiving a connection to the steam space of a boiler, an outlet for receiving a connection to the water space of

a boiler and an inlet for receiving a connection from a source of water supply, a pressure member adapted to be actuated by fluid pressure, and means controlled by said pressure member for shutting off the connection between said inlet and either one of said outlets while the connection between said inlet and the other outlet is open, such means including a two-ported valve which in one position permits the passage of the feed water towards the one outlet and in the other position towards the other outlet.



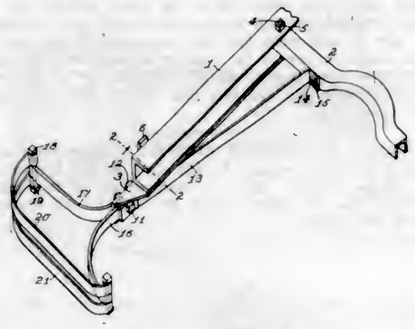
1,579,527. PRINT DRIER. LEWIS N. HAINES and ELMER IRWIN, Klamath Falls, Oreg. Filed Aug. 17, 1925. Serial No. 50,760. 5 Claims. (Cl. 34—26.)



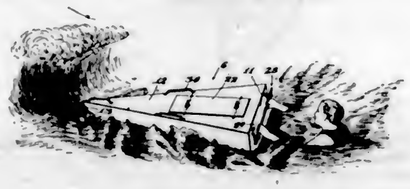
4. A print drier including a casing, a rotor in the casing, a housing connected with and having communication with the casing, heating means in the housing, air ducts on the sides of the casing establishing communication between the casing and the housing, and means on the rotor for holding wet prints in position to act as blades whereby to drive heated air from the housing through said ducts.

1,579,528. MOTOR-VEHICLE BUMPER. BENNIE P. HANSON, Cedar Falls, Iowa, assignor to Edward L. Moore, Waterloo, Iowa. Filed Dec. 31, 1925. Serial No. 78,600. 4 Claims. (Cl. 293—55.)

1. The combination with a vehicle frame side-bar and a cross-bar terminally placed thereacross spaced from one end thereof, of a bumper-stem mounted longitudinally along the side-bar, said side-bar, cross-bar and stem having alined bolt-holes, a bolt traversing said bolt-holes to fasten said elements together, and said bumper-stem having a projecting resilient buffer terminal beyond the end of said side-bar.

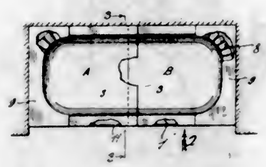


1,579,529. DIRIGIBLE BUOY. JULES E. HASCHKE, Redondo Beach, Calif. Filed Apr. 15, 1925. Serial No. 23,200. 4 Claims. (Cl. 115—34.)



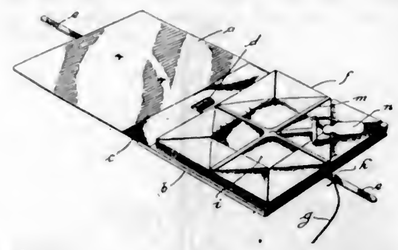
1. A dirigible buoy comprising a buoyant structure, a power driven propeller for impelling said structure through water, and means whereby said structure may be steered and controlled by a person being towed thereby.

1,579,530. PROTECTIVE COVER FOR BATH FIXTURES. MAX HELLER and JAMES MARTIN HOWLETT, Gary, Ind. Filed Aug. 31, 1925. Serial No. 53,449. 2 Claims. (Cl. 4—173.)



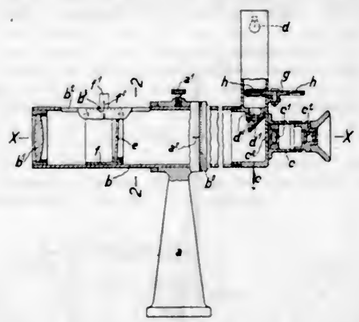
1. A lining for bath tubs comprising two cut out members formed from cardboard, said members having a bottom portion of a length slightly greater than one-half the length of the bottom of the tub and a width subtantially equal to the bottom of the tub, and side members integrally connected to the bottom, said side members having a width greater than the height of the sides of the tub and adapted to be flanged over the upper edge of the tub, said members having one side provided with strips of paste for securing them to the tub.

1,579,531. TOY. ARTHUR C. HEMPEL, Detroit, Mich. Filed May 20, 1925. Serial No. 31,565. 7 Claims. (Cl. 46—37.)



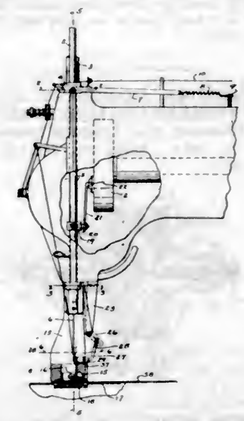
5. A toy comprising an angularly shaped member of flexible material which is creased and folded in at the corners to form a collapsible parachute, a spider secured to the folded in corners of said parachute, and a weight secured to said spider which serves to open said parachute when the same is released and permitted to fall to the ground.

1,579,532. REFRACTOMETER. OTTO HENKER, Jena, Germany, assignor to Carl Zeiss, Jena, Germany. Filed June 6, 1924. Serial No. 718,287. 6 Claims. (Cl. 88—20.)



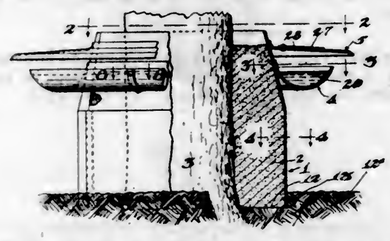
1. In an apparatus for the purpose set forth a source of light, a collective lens system, a diaphragm located between the source of light and the lens system and adapted to be imaged by the lens system in the pupil of the eye to be observed, a mark located at the axis of the lens system and being displaceable along this axis, an observing device adapted to receive the light rays emanating from the source of light through the said diaphragm and reflected by the retina of the eye to be observed, a second diaphragm located in front of the observing device and adapted also to be imaged by the lens system in the said pupil, and a green filter interposed between the source of light and the lens system.

1,579,533. SEWING MACHINE. ALEXANDER McD. HESS, Brooklyn, N. Y. Filed Apr. 28, 1924. Serial No. 709,330. 7 Claims. (Cl. 112—2.)



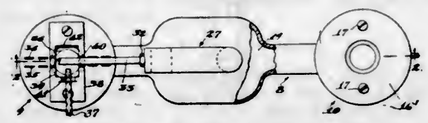
1. In a sewing machine, the combination with a needle bar reciprocating toward and away from the work, of means mounting said bar to move laterally of its path of said reciprocation, said bar being adapted to be moved laterally and means cooperating with the work for moving the said bar laterally.

1,579,534. TREE PROTECTOR. LOUIS R. HIBBARD and RENI S. BERRY, Los Angeles, Calif. Filed Feb. 12, 1923, Serial No. 618,596. Renewed Sept. 15, 1925. 5 Claims. (Cl. 43—108.)



1. A tree protector comprising a supporting casing adapted to surround a tree trunk and spaced therefrom and having a tapered upper portion forming a seat, a trough fitting the seat, oil in the oil trough and forming an insect barrier surrounding the tree trunk, and a cover for the oil trough.

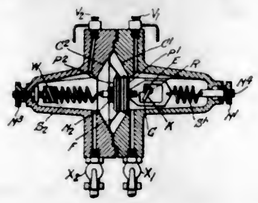
1,579,535. BURNER. JOHN HIGHAM, Los Angeles, Calif. Filed Nov. 15, 1924. Serial No. 750,074. 6 Claims. (Cl. 158—65.)



6. In a burner of the character described, a gas conduit having a pair of disk-like head members at its opposite ends extending on a plane paralleling the length

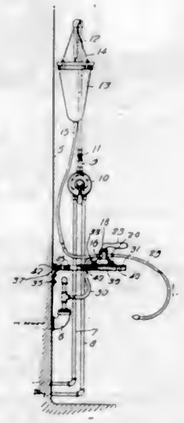
of the conduit, said conduit being formed with an enlarged chamber intermediate said head members, there being reduced passages leading from said chamber and opening to said head member, a vapor burner carried by each of said head members, and means for delivering a mixture of air and vapors to said enlarged chamber in said gas conduit.

1,579,536. FLEXIBLE DIAPHRAGM FOR USE IN THE MEASUREMENT OF FLUID PRESSURE. JOHN LAWRENCE HODGSON, near Leighton Buzzard, England. Filed Aug. 15, 1924. Serial No. 732,333. 3 Claims. (Cl. 137—157.)



3. In apparatus actuated by a difference of fluid pressure, the combination of a truncated conical cradle, a reversible diaphragm made of freely flexible material substantially non-stretchable under normal working conditions and having substantially the same angle of conicity as the cradle and continuously contacting said cradle at its larger diameter, the outer portion of the diaphragm contacting said cradle while the inner portion is folded away from said cradle in a reverse cone of substantially equal angle of conicity, whereby the inner reverse cone resists pressure without deformation and permits flexure without stretching at the circle of reversal of the reversed cone, and a cradle on the other side of the diaphragm having double coned surfaces, the inner of which is parallel with the coned surface of the first cradle.

1,579,537. COLONIC IRRIGATING APPARATUS. HARDY V. HUGHENS, Shreveport, La. Filed Sept. 4, 1924. Serial No. 735,827. 3 Claims. (Cl. 128—227.)

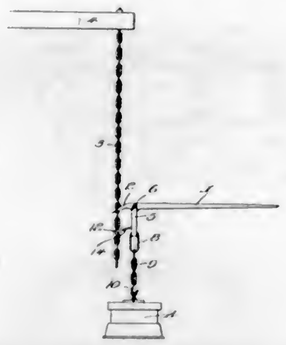


2. In a colonic irrigating apparatus, the combination with a liquid container, of a supply pipe leading from said container, a colon tube, a drain tube, a support, a 3-way valve connected with said tubes and mounted directly on said support, said valve including a base having arcuate slots therein, and means extending through said slots for connecting said valve and support whereby the former may be adjusted radially on the latter.

1,579,538. IMPLEMENT FOR DEPOSITING CORES. JOHN F. HUTCHINGS, Eaton, Ind. Filed Oct. 15, 1925. Serial No. 62,554. 5 Claims. (Cl. 22—185.)

1. An implement for depositing cores in molds, comprising a hollow column adapted to be projected into the mold and having bifurcate lower end adapted to embrace a core, a grip device having a jaw on each side of the bifurcation, means to urge the jaws closed, means to retain the jaws normally open, and operable to permit the jaws to close.

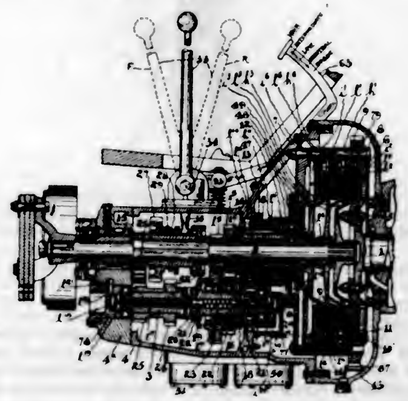
1,579,539. HOISTING DEVICE. MARTIN ITJEN and GEORGE TONY RAPUZZI, Skagway, Alaska. Filed Oct. 22, 1925. Serial No. 64,197. 2 Claims. (Cl. 254—68.)



1. A hoisting device of the class described comprising a lever, a claw formed on the forward end thereof and adapted for engagement with a chain suspended from a stationary support, a clevis pivotally suspended from the forward portion of the lever, a load supporting chain having its upper end suspended from the clevis, and a locking link having its inner end secured to the uppermost link of said load supporting chain, the free end of the first mentioned chain being adapted to extend through said link, the inner end of the link being provided with a restricted neck portion for cooperation

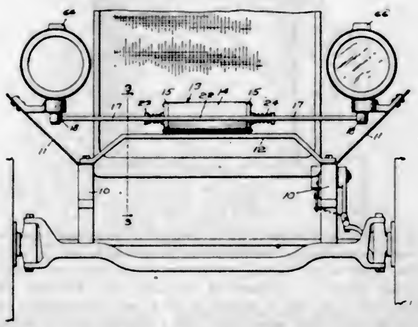
with the link of the first mentioned chain in supporting the load in a suspended position while the claw on the lever is moved upwardly on the first mentioned chain to engage an upper link, said first mentioned chain being adapted to be disengaged from said restricted neck portion when the claw has been moved upwardly to facilitate further raising of the load.

1,579,540. HYDRAULIC CLUTCH. MAUNSELL BOWERS JACKSON, Toronto, Ontario, Canada. Original application filed July 27, 1923, Serial No. 654,160. Divided and this application filed Dec. 29, 1924. Serial No. 758,717. 9 Claims. (Cl. 192—85.)



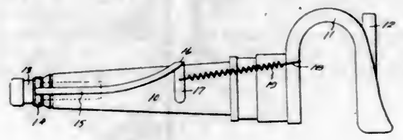
1. A fluid operated clutch including a driving member having a fluid passage and having a fluid chamber and having inlet and exhaust passages the inlet passage communicating with the fluid passage and with the fluid chamber, the exhaust passage forming a communication between the fluid chamber and the exterior of the clutch; and a valve adapted to be moved in one direction to open the inlet passage and close the exhaust passage when the fluid pressure rises above a predetermined point and to be moved in the opposite direction to close the inlet passage and open the exhaust passage when the said fluid pressure drops below a predetermined point.

1,579,541. HEADLIGHT-SHIFTING MEANS. EDWARD W. KAPRAUN, Henry, Ill. Filed Apr. 16, 1925. Serial No. 23,563. 8 Claims. (Cl. 240—62.)



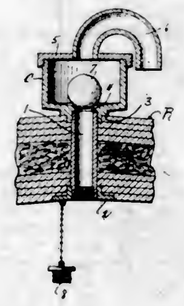
1. The combination with pivotally supported headlight means of an automobile, of electrical means connected therewith to turn the headlight means in opposite directions, a switch automatically operated by the steering gear of the automobile for controlling the operation of the shifting means, and a second switch to control the glowing of the headlight means and rendering the shifting means inoperative with the respect to fulfilling its function when the headlight means is extinguished.

1,579,542. ATTACHMENT FOR PNEUMATIC HAMMERS. JOHN C. KEAVEY, South Euclid, Ohio. Filed Dec. 11, 1922. Serial No. 606,124. 3 Claims. (Cl. 121—32.)



1. The combination with the body and tool or set, of a divided spring band surrounding said tool, a bail connected at its ends to said band, a yoke, straddling the body and to which the central portion of the bail is connected, and a spring carried by the body and having its ends connected to the yoke.

1,579,543. VENT. HARRY Y. KING, Bentonville, Ark. Filed Mar. 27, 1924. Serial No. 702,444. 3 Claims. (Cl. 98—22.)

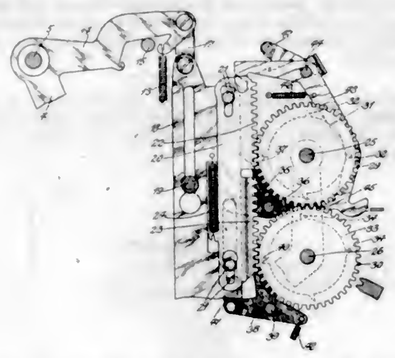


1. In combination with the roof of a refrigerator car, a tubular member disposed through such roof, a flanged collar engaged with the inserted end portion of the tubular member to provide means to secure the member to the inner surface of the roof, a casing threaded upon the outer end portion of the tubular member and provided with a shoulder for contact with the outer surface of the roof to provide additional means for maintaining the tubular member in applied position, said tubular member being in communication with the casing, a freely movable valve within the casing and normally closing the flow through the tubular member but readily moving into open position incident to vibration of the car in transit, and a goose neck in communication with the casing and with the atmosphere.

1,579,544. CALCULATING MACHINE. HARRY LANDSIEDEL, Norwood, Ohio, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924, Serial No. 703,100. Renewed Aug. 31, 1925. 37 Claims. (Cl. 235—60.)

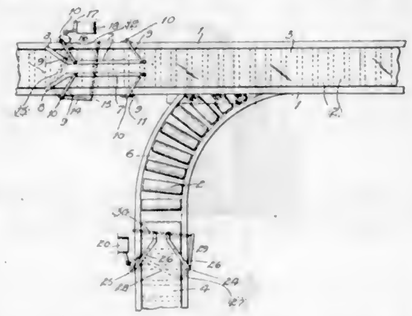
1. A calculating machine comprising a series of actu-

ators, a series of pinions for operation by each series of racks, a series of transfer latches for each series of



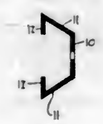
pinions, and connections for operating one series of transfer latches by the other.

1,579,545. AUTOMATIC CONTROL FOR POWER CONVEYER SYSTEMS. ALEXANDER S. LANGSDORF, St. Louis, Mo., assignor to Alvey Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 7, 1925. Serial No. 1,107. 10 Claims. (Cl. 198—21.)



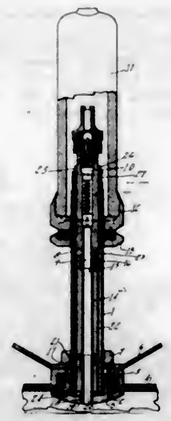
1. A power conveyer system comprising a plurality of lines and means operable conjointly by articles on said lines for controlling the operation of one of said lines.

1,579,546. LATH. KARL LEHPAMER, Cicero, Ill. Filed Jan. 31, 1925. Serial No. 5,975. 1 Claim. (Cl. 72—116.)



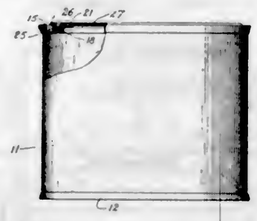
A metal latch comprising a solid bottom portion with spaced openings therein for means for securing said lath to a structure, sides integral with said bottom portion extending longitudinally of said bottom portion and being bent at an angle theerto and outwardly from the longitudinal center line of said bottom, said sides having their outer portions bent angularly toward each other and parallelly with said bottom.

1,579,547. PNEUMATIC-TIRE PRESSURE GAUGE. HAROLD J. LE VESCONTE, Charleston, W. Va., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Nov. 11, 1922. Serial No. 600,419. 3 Claims. (Cl. 152—11.5.)



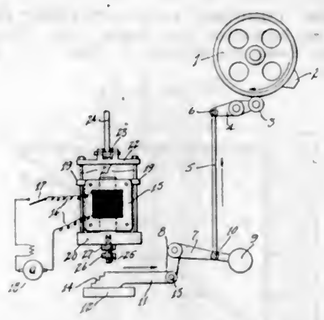
1. In a pneumatic tire pressure gauge, the combination of a sleeve externally screw-threaded; a head having a screw-threaded outwardly opening socket into which the sleeve is screwed; a plunger slidingly mounted in the sleeve; a valve in the plunger; a tube connecting the plunger with the interior of the gauge; a spring resisting the movement of the plunger, said plunger, tube and spring being adapted to be assembled in the socket and secured therein by screwing into the socket the screw-threaded sleeve; a shell secured on the plunger having its edges separated forming a key-way, said shell being insertable between the sleeve and plunger after the assembly of the sleeve and head; and a key on the sleeve extending into the key-way.

1,579,548. FRICTION-TOP CAN. STANLEY H. LINDGREN, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 10, 1921. Serial No. 506,749. 1 Claim. (Cl. 220—42.)



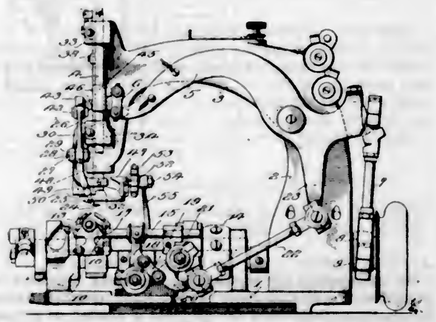
A container comprising a body, a frangible one-piece cover hermetically secured to said body by a double seam, said cover having an elevated central area with a cutting groove, a depressed channel part between said seam and said area, a sloped friction wall connecting said channel part with said area, and a friction cover adapted to frictionally engage said friction wall and to serve as a temporary cover after said area has been severed along said cutting groove.

1,579,549. BRAKE-OPERATING MECHANISM FOR ELECTRIC HOISTS AND THE LIKE. HENRY H. LOGAN, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 692,120. 4 Claims. (Cl. 192—139.)



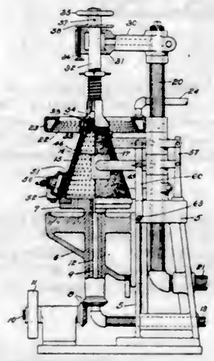
1. An actuating mechanism for the control member of a brake engine comprising a solenoid, an electric circuit including a switch and said solenoid, whereby the opening of said switch may occasion the deenergization of said solenoid, a core in said solenoid arranged to drop when said solenoid is deenergized, a connecting rod associated with said core and arranged for connection with the control member of a brake engine, a stop engaging member carried by said core, a stop member having a substantially inclined surface arranged to receive the stop engaging member on said core when said core is dropped, and a cam operated means associated with said stop member for moving said stop member substantially at right angles with the direction of movement of said core, depending upon the instrumentality of said cam operated means, whereby the moment of travel of said core is determinable by the position of said stop member, and therefore the degree to which said brake engine control member is actuated is also determinable by the position of said stop member relative to said core.

1,579,550. SEWING MACHINE. WILLIAM B. LONG and NATHAN E. HANSON, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1924. Serial No. 714,300. 6 Claims. (Cl. 112—162.)



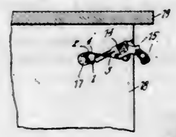
1. A sewing machine including a bed plate, a work support, a presser foot for holding the material on the work support, a presser bar carrying said presser foot, a pair of needles, a thread carrying looper cooperating with said needles beneath the work support, a thread finger movable across the path of one of said needles for deflecting the thread thereof in front of said needle, a thread hook for engaging said deflected thread and forming a loop therein for the other needle to enter, a lever supporting and operating said finger, a lever supporting and operating said hook, and a single unitary bracket having a lug on which one of said levers is mounted and having an independent lug on which the other lever is mounted, said bracket being carried by the presser bar and movable up and down therewith.

1,579,551. APPARATUS FOR RAISING NAP ON HAT BODIES. WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va., a Corporation of Virginia. Filed Apr. 23, 1920. Serial No. 376,075. 14 Claims. (Cl. 223—26.)



1. A nap-raising apparatus comprising a coniform support, means for exhausting air from said support sufficiently to hold the hat body upon the support, a brush extending for a substantial distance around the support and conforming to the surface thereof, means for effecting relative scrubbing movement between the brush and the support to loosen the nap of the hat body, and means for exhausting air from the portion of the hat body covered by the brush to raise the nap loosened by the brush.

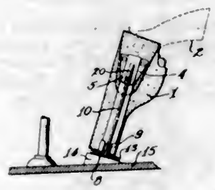
1,579,552. HOLDER FOR PISTOLS OR REVOLVERS. MARGERY N. LUDLOW, Altadena, Calif. Filed Mar. 31, 1924. Serial No. 703,274. 4 Claims. (Cl. 248—20.)



3. A holder for a pistol or revolver having a foot in the form of a plate adapted to be attached to a support, said plate having a substantially straight integral stem projecting therefrom at one end of the plate and of a diameter to be received within the barrel of the pistol, and a keeper in the form of a bar integrally connected

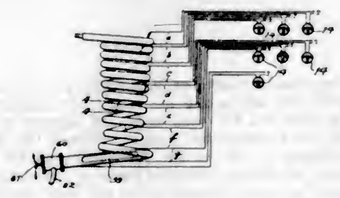
with the other end of the plate and having two forks extending substantially parallel with the stem, said keeper being resilient so that said forks operate to press the side of the pistol toward the stem and hold the same yieldingly on the stem.

1,579,553. PISTOL HOLDER. MARGERY N. LUDLOW, Altadena, Calif. Filed Feb. 24, 1925. Serial No. 11,156. 10 Claims. (Cl. 224—1.)



1. In a pistol holder, the combination of a holster, a bracket with a rigid foot for fastening the same to a support, and a connection detachable at will between the holster and the bracket operating to hold the holster in a substantially upright postion and projecting upwardly from the foot.

1,579,554. APPARATUS FOR CONVERTING HIGHER-BOILING-POINT HYDROCARBON OILS INTO LOWER-BOILING-POINT HYDROCARBON OILS. WILLIAM M. MCCOMB, New York, N. Y. Filed Mar. 2, 1921. Serial No. 449,153. 9 Claims. (Cl. 196—121.)

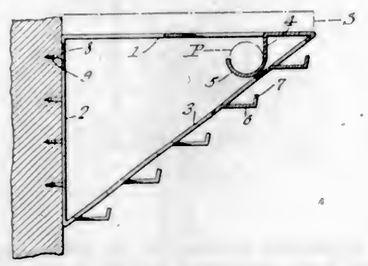


1. In apparatus of the class described, in combination, a tubular continuous spiral coil arranged with its axis vertical for converting hydrocarbon material, the lower turns of the said coil having increased inclination to accelerate the passing material, and a plurality of electric heating units operatively associated therewith.

1,579,555. TRAFFIC-SIGNAL DEVICE FOR MOTOR OR OTHER VEHICLES. ROBERT T. MCCONLOGUE, Freeport, N. Y. Filed June 21, 1924. Serial No. 721,385. 4 Claims. (Cl. 116—48.)

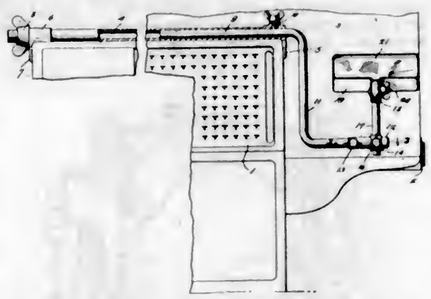
1. In a traffic signal device for vehicles, a base member having annular slots in its upper edge, a cap encompassing the slotted edge of said base member and having means arranged to work in said slots, a pointer carried by said cap, and means to rotatively displace said cap on said base member.

1,579,556. COMBINED RACK AND SHELF BRACKET. EDWARD MCKENZIE, Long Beach, Calif. Filed Oct. 9, 1923. Serial No. 667,533. 1 Claim. (Cl. 248—18.)



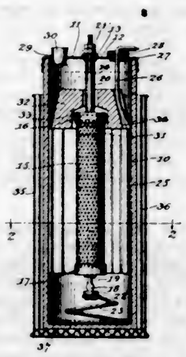
As an article of manufacture a supporting rack formed in a single length of sheet metal bent to provide a top portion and an inclined brace portion, the terminals of the strip being extended toward each other from one end of the top portion and from the lower end of the brace portion to constitute a base or attaching portion, these terminals having their ends in abutment and being provided with openings, and fastening devices seated in the openings for attaching said terminal portions to a support and holding the ends of the terminal portions together with the top and brace portions at a predetermined angle to each other.

1,579,557. ATTACHMENT FOR BOOKKEEPING MACHINES. WALTER MARQUIS, Cuero, Tex. Filed Nov. 17, 1925. Serial No. 69,721. 1 Claim. (Cl. 88—39.)



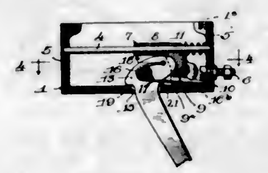
An attachment for bookkeeping machines including an elongated magnifying lens, an attaching member having relatively movable jaws for gripping a portion of a bookkeeping machine, an arm connected to said member for longitudinal and angular adjustments, and means connecting the lens to the arm for angular adjustment and up and down adjustment relative to the carriage of the machine thereby to focus the lens upon that portion of a sheet on the carriage containing the balance to be picked up.

1,579,558. PRIMARY BATTERY. MARTIN L. MARTUS, Woodbury, and EDMUND H. BECKER and JAMES G. ROSS, Waterbury, Conn. Original application filed June 2, 1924, Serial No. 717,225. Divided and this application filed Nov. 19, 1924. Serial No. 750,886. 8 Claims. (Cl. 136—115.)



1. In combination, a battery including a jar, a cover, therefor, electrode elements supported in said jar, a cake of soluble electrolyte material in solid form supported in said jar above both of said elements, and adapted to be dissolved by the addition of a liquid to produce the electrolyte solution.

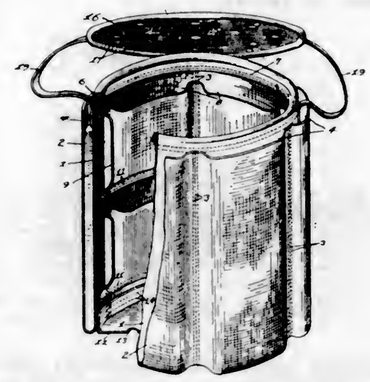
1,579,559. SWITCH FOR AUTOMOBILE SIGNALS. BERNHARD C. MOLL, Chicago, Ill. Filed Jan. 7, 1924. Serial No. 684,731. 4 Claims. (Cl. 200—161.)



1. A switch of the character described comprising a casing, terminals fixed in said casing, a contact member slidably mounted in said casing for opening and closing a circuit across said terminals, a cam in operative connection with said contact member and comprising a bearing sleeve, extending between opposite walls of said casing, and a rod fixed in said opposite walls and forming a journal bearing for said sleeve.

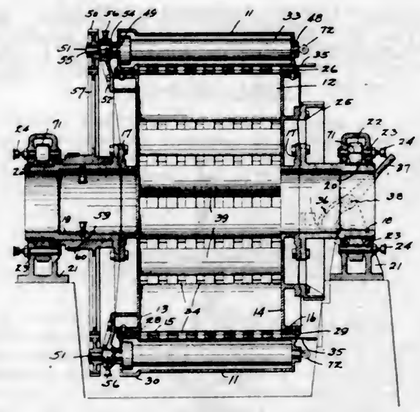
1,579,560. COOLER. CAROLINE S. MOORE, San Francisco, Calif. Filed Oct. 8, 1925. Serial No. 61,222. 4 Claims. (Cl. 45—132.)

1. A cooler comprising a container having a double wall formed from a strip of fabric doubled to form inner and outer wall portions closed along the bottom edge thereof and stitched together at intervals and spaced apart along the intervening portions to form pockets vertically disposed upon the outer side of the container, said pockets being open at the top and arranged to contain a supply of liquid and adapted to permit the slow evaporation of said liquid whereby the interior of the container may be cooled; a spreading element secured within the upper edge of the inner wall to shape the top of the container; a plurality of pockets secured upon the inner wall portion to receive and support articles to be cooled; and a bottom member secured across the



bottom of the container and having a plurality of apertures formed therein to permit a circulation of air in the container.

1,579,561. MOLDING MACHINE AND METHOD OF MOLDING. ALBERT E. MOORHEAD, Oakland, Calif. Filed Nov. 3, 1921, Serial No. 512,680. Renewed May 31, 1923. 51 Claims. (Cl. 25—30.)

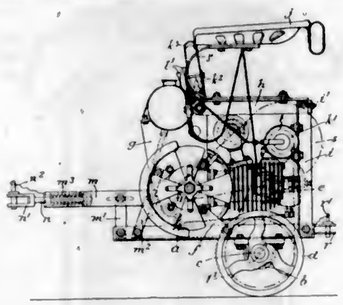


1. The method of molding articles of plastic material in a mold formed to enclose the article substantially completely, which consists in causing the mold to describe a planetary motion, and supplying the material to an opening in the mold where the centrifugal force causes the material to pass through the opening into the mold.

1,579,562. PREPARATION USEFUL IN THE TREATMENT OF ECZEMA. ERNEST MUEHLBERG, Chicago, Ill. Filed Oct. 25, 1923. Serial No. 670,654. 2 Claims. (Cl. 167—9.)

2. A composition of matter consisting of a finely divided mixture of potato flour and wood ashes mixed in substantially equal proportions.

1,579,563. MOTIVE-POWER UNIT FOR DRIVING LAWN MOWERS AND SIMILAR IMPLEMENTS. HERBERT JOHN NEWTON-CLARE, Gerrards Cross, England. Filed Mar. 9, 1923. Serial No. 623,997. 2 Claims. (Cl. 180—12.)

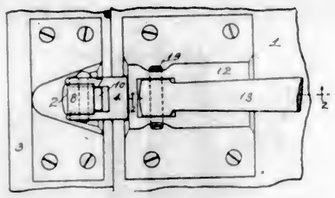


2. A motor pusher for lawn mowers and other vehicles comprising ground rollers, a main frame having lower side members, mounted on the axle of said rollers and upper side members, front and rear supporting members for said upper side members, said rear supporting members being adjustable forwardly and rearwardly at their upper ends, a coupling bar and handle frame connected to the forward end of said main frame, a motor arranged in said main frame, a seat supported on said upper side members above said motor, and steering handles projecting upwardly from said handle frame in position to be conveniently reached by the operator.

1,579,564. VALVE-ACTUATING MECHANISM. EDWARD F. NIEDECKEN, Milwaukee, Wis., assignor to Hoffmann-Billings Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 18, 1925. Serial No. 37,999. 6 Claims. (Cl. 4—200.)

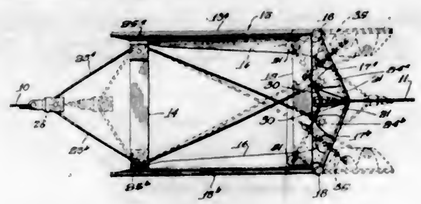
1. The combination with a valve, of actuating mechanism therefor having a dead-center position which is passed during valve-opening movement of the latter and including a plurality of parts connected for relative movement with respect to each other, certain of said parts being adapted and arranged for engagement with each other when said mechanism reaches a predetermined position beyond said dead-center position whereby said mechanism is held in said predetermined position and said valve held open.

1,579,565. DOOR LATCH. ELMER C. OSBECK, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a Corporation of Michigan. Filed May 16, 1924. Serial No. 713,643. 5 Claims. (Cl. 292—178.)



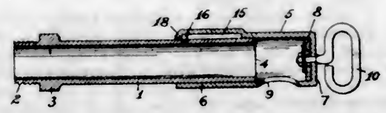
1. In combination with a keeper therefor, a door latch comprising: a belt-retaining member; a bolt having a longitudinal movement and a lateral movement relatively to said member, and a portion adapted to be engaged by said member, and a transversely extending bearing; a spring pressing the bolt into latching engagement with the keeper, the bolt being laterally movable to disengage its said portion from said member by striking the keeper; a lever handle having an arm engaging in said bearing to move the bolt against the pressure of the spring.

1,579,566. SCRAPER. GLENN W. PACKER, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1923. Serial No. 632,233. Renewed Sept. 29, 1925. 5 Claims. (Cl. 37—136.)



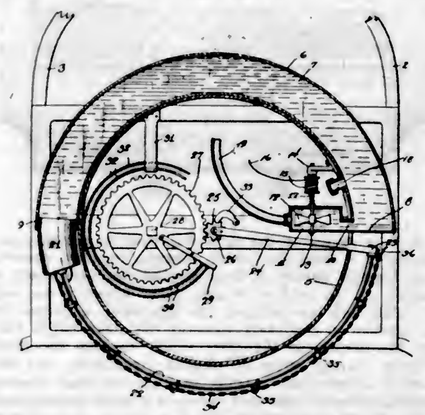
1. A scraper having connected side walls, two members normally forming a closure movably mounted to extend rearwardly in open position, and two draft devices having operative connection with said closure members and tending to move them in opposite directions, one of said draft devices having two terminals each extending about laterally spaced guides on the scraper and thence in crossed relation with the other to operative engagement with the closure member on the opposite side of the scraper.

1,579,567. FAUCET. CHARLES F. SCHRINER, Cleveland, Ohio, assignor to The National Steel Barrel Company, a Corporation of Ohio. Filed Feb. 3, 1923. Serial No. 616,834. 1 Claim. (Cl. 257—8.)



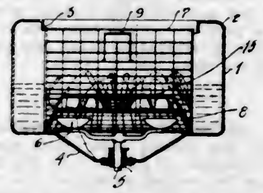
In a faucet, the combination of a tubular body, a cap, the cap consisting of a sleeve having a closed end, the sleeve of the cap being movably mounted upon the tubular body, a washer in the cap adjacent to its closed end, the washer of the cap being adapted to seal one end of the tubular body, the sleeve of the cap being provided with an opening adapted to establish communication from said end of the tubular body when the cap is out of engagement with said end, a handle fixed to the cap for moving it longitudinally and rotatably, a pin projecting radially from the tubular body, the sleeve of the cap being provided with a longitudinal groove and an angular extension thereof for receiving the pin to guide the cap to cause the cap to move for pressing its washer against said end of the tubular body and hold it in locked position when the cap is rotated by the handle, substantially as described.

1,579,568. FOUNTAIN PAINTBRUSH. WILLIAM C. SEITZ, Palmer, N. Y. Filed Jan. 26, 1922. Serial No. 531,886. 3 Claims. (Cl. 91—39.)



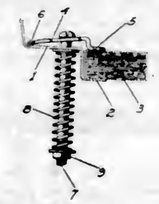
1. A device of the character described comprising a frame work, a substantially semi-circular tube forming a paint chamber having one end closed and the other end opened, a plunger element movable into the open end of the said tube, a plunger rod attached to the plunger, a pinion centrally mounted in the frame, a large gear in mesh with the pinion and mounted in the said frame, spring retaining rods, an arm carried by the large gear and attached to one end of the spring retaining rod, coil expansion springs embracing the said spring retaining rods and having engagement with the said arm carried by the large gear, an abutment member for the opposite ends of the said springs, means to manually rotate the said large gear whereby the springs may be compressed, and an operating arm carried by the pinion and attached to one end of the said plunger rod.

1,579,569. DISHWASHER. ARTHUR D. SHERRICK, Spokane, Wash. Filed Apr. 2, 1925. Serial No. 20,170. 2 Claims. (Cl. 141—9.)



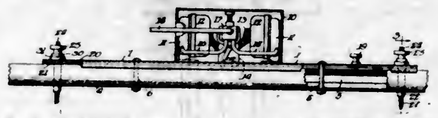
2. The combination with a rectangular basket having an elevated frusto-conical bottom portion of a removable stacker having a flat reticulated body, a surrounding frusto-conical frame above and below the body of the stacker and adapted to seat on said elevated bottom.

1,579,570. FLOOR-BOARD-HOLDING MEANS. WILLIAM E. SPANGLE, Fairoaks, Calif. Filed July 21, 1924. Serial No. 727,170. 1 Claim. (Cl. 296—1.)



Floor board holding means including the combination of side sills, depressed ledges on the edges of the sills, floor boards supported on the ledges, pins yieldably disposed through the sills, plates pivotally mounted on the pins, downturned ends on the plates to overhang the edge of the sills and engage the floor boards and down turned lips on the opposite ends of the plates to engage the sills.

1,579,571. WINDSHIELD CLEANER. FRANKLIN W. STEWART, Chicago, Ill. Filed Apr. 15, 1922. Serial No. 553,048. 6 Claims. (Cl. 15—253.)



1. A windshield cleaner comprising an elongated channel member, means for securing said channel-member to a wind-shield frame with the edges of the open side of said channel member bearing against said frame to help position the device, a plurality of squeegee supports carried by said channel member and passing through openings provided in said frame, squeegees carried by said supports, and means for simultaneously oscillating said supports.

1,579,572. SHUTTLE. CHARLES M. STONE and WILLIAM H. SPENCER, Lewiston, Me., assignors of one-third to William H. Putnam, Lewiston, Me. Filed Sept. 4, 1925. Serial No. 54,537. 4 Claims. (Cl. 139—213.)

1. A shuttle including a bobbin chamber having opposed side walls, a filling receiving bobbin in said chamber, a single row of longitudinally spaced tufts of bristles extending obliquely into the chamber in the direction of discharge of filling, said tufts being arranged near the upper edge of one wall to yieldably contact with filling, and a pair of parallel rows of longitudinally spaced tufts of bristles extending in the same direction as the first named tufts and arranged adjacent the lower edge of the other side wall for yieldable pressure upon a portion of the filling to one side of a vertical line and below a horizontal line intersecting the vertical line at the axis of the bobbin.

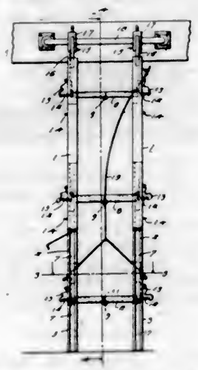
1,579,573. PHOTO EASEL. SAMUEL STUCKEY, Niagara Falls, Ontario, Canada. Filed Sept. 23, 1924. Serial No. 739,345. 1 Claim. (Cl. 40—152.)

As a new article of manufacture, a photo easel comprising a pair of substantially rectangular frames, the marginal edges of the side pieces of which are constructed to represent a plurality of book-leaves, a backing member secured to and covering the outer face of each frame,

the outer and end edges of said backing members extending outwardly beyond the corresponding edges of the side pieces of the frame to permit said backing members to coact in forming the representation of the covers of a book, the inner opposed edges of said backing members terminating flush with the adjacent side pieces of the frame and forming a space between said frame when

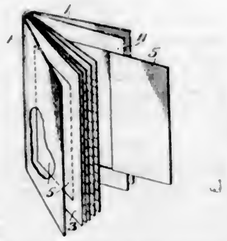
the frames are swung open into the same horizontal plane, hinges positively connecting said frames and backing members together, and a flexible binder attached to the opposed longitudinal edges of the backing members to complete the book simulation, the central portion of the binder being foldable into and between the leaves of the hinges when the book is open.

1,579,574. FOLDING LADDER. WATSON TAYLOR, JR., Cincinnati, Ohio. Filed Jan. 15, 1925. Serial No. 2,621. 1 Claim. (Cl. 228—38.)



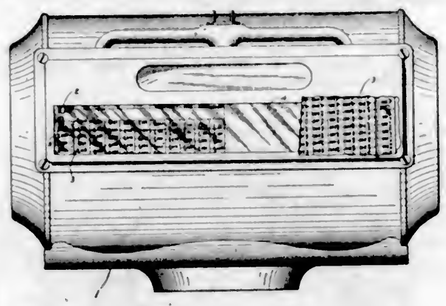
A ladder of the class described having stiles, rungs, each rung being in sections hinged together and hinged to the respective stiles, one section of each rung having a tenon thereon, the other section of each rung having a mortise adapted to receive the tenon in the operative position of the rung, and pins on the stiles, said stiles and rung sections having recesses adapted to register in the operative position of the rungs, and said pins being insertable through said openings and into said recesses.

1,579,575. BOOK. CLARK A. THARP, Leavenworth, Kans. Filed Dec. 31, 1925. Serial No. 78,549. 2 Claims. (Cl. 281—38.)



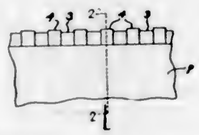
1. A book of the kind described having one of its leaves provided with a memoranda tongue having connection with the leaf at the inner side of and spaced from one edge of the leaf and cut from a body of the leaf and having one end edge and its side edges free, and adapted to be swung to and from a position projecting outside of the edges of the other leaves.

1,579,576. INDICATING DEVICE. HENRY THEOBALD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 580,091. 8 Claims. (Cl. 116—129.)



6. In a device of the class described, in combination, a housing, a cylindrical chart rotatably mounted therein, said housing having a front window through which a portion of the surface of said chart adjacent one end is visible and rear window through which a portion of the surface of said chart adjacent the other end is visible, the portion of the chart visible through the front window bearing series of stepped graduations and the portion of the chart visible through the rear window bearing inversely arranged series of stepped graduations, each of said graduations having a designating number, and line indices visible through said windows and cooperating with said chart.

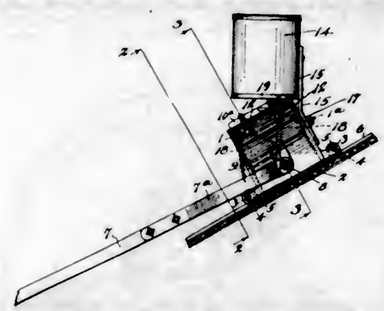
1,579,577. RAZOR. RALPH E. THOMPSON, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a Corporation of Delaware. Filed June 4, 1924. Serial No. 717,870. 2 Claims. (Cl. 30—12.)



1. A razor blade provided at its shaving edges with a series of alternating sharp and dull portions of limited extent, the dull portions being integral with the blade and being so proportioned and spaced as to permit the sharp portions to engage the beard but prevent them from cutting the user.

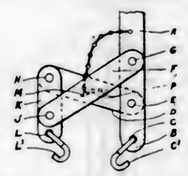
1,579,578. GREENHOUSE-BAR PAINTER. ROY S. THOMPSON, Bay Village, Ohio. Filed Nov. 25, 1924. Serial No. 752,233. 12 Claims. (Cl. 91—39.)

6. A device for painting greenhouse bars and the like, including a carriage adapted to be arranged entirely above the bar so as to leave the bottom and lower portions of the sides of the bar clear, guide means on the carriage for slidably engaging the bar to direct the carriage in its movements along the bar, means on the carriage for applying paint to the bar, and a handle projecting from one end of the carriage and pivotally connected to the carriage to swing about an



axis transverse to the bar when the carriage is in position, said handle providing means for holding the carriage in an upright position and moving it along the bar.

1,579,579. CHAIN TIGHTENER. WILLIAM DUNCAN THOMPSON, Toogoolawah, Queensland, Australia. Filed July 2, 1923. Serial No. 649,139. 3 Claims. (Cl. 254—78.)

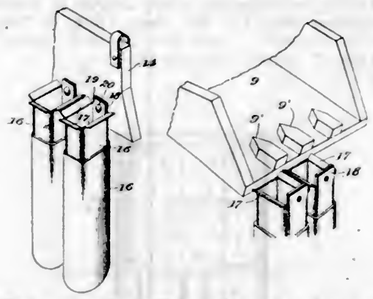


3. A pushing or pulling implement including a long manually operated lever, a short lever arranged adjacent to the lower end of the long lever, crossed links pivotally connected to both of said levers, and connecting elements carried by the lower ends of both levers to engage the parts which are to be moved relatively to each other.

1,579,580. REGISTERING DEVICE. FLOYD E. TOBIN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 29, 1922. Serial No. 609,682. 8 Claims. (Cl. 235—91.)

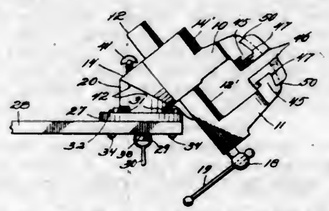
1. In a device of the class described, in combination, load-counterbalancing mechanism, a steelyard rod, a member connected to said load-counterbalancing mechanism and having a bore therein receiving the upper end of said steelyard rod, a ping adjustably mounted in one end of said bore, a collar on said rod in the other end of said bore, a spring interposed between said plug and said collar, a register mounted on said member, and operating connections between said steelyard rod and said register.

1,579,581. FERTILIZER DISTRIBUTOR. GEORGE B. TODD, Norfolk, Va. Filed Jan. 28, 1924. Serial No. 689,098. 2 Claims. (Cl. 275—2.)



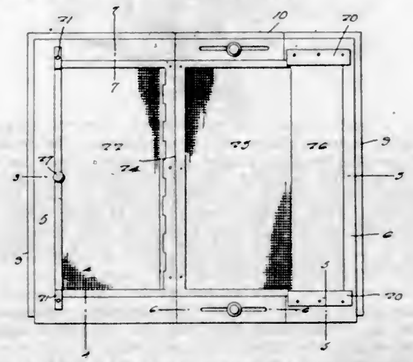
1. The combination with a baffle plate, of a plurality of tubular members suspended therefrom, said tubular members being of rectangular form and having laterally diverging lips and a forwardly extending lip.

1,579,582. VISE. ALBERT G. VOLTZ, Tulsa, Okla. Filed Jan. 22, 1923. Serial No. 614,166. 4 Claims. (Cl. 81—40.)



1. A vise comprising a pair of relatively movable supporting arms, and a pair of jaws supported by said arms in parallel relation, said jaws and arms being formed with inter-engaging tongues and grooves permitting the application and removal of said jaws, said tongues being tapered in opposite directions.

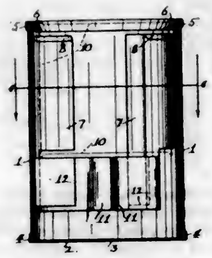
1,579,583. SCREEN FOR AUTOMOBILES. OLIVER F. WALLEN, Anaconda, Mont. Filed Sept. 8, 1925. Serial No. 55,010. 1 Claim. (Cl. 296—44.)



In a device of the class described, a pair of hingedly connected frame sections, one of said sections being adjustable, a pair of hingedly connected screen sections

mounted in the frame sections, and means for detachably holding said screen sections in the frame sections, the sides of said frame section being provided with tenons, the tops of said frame sections being provided with tenons, and the bottom of said frame sections being provided with grooves.

1,579,584. CASING FOR HOLDING GOODS CONTAINERS UNDERGOING TREATMENT. HARVEY P. WELLMAN, San Francisco, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Dec. 16, 1924. Serial No. 756,330. 3 Claims. (Cl. 220—15.)



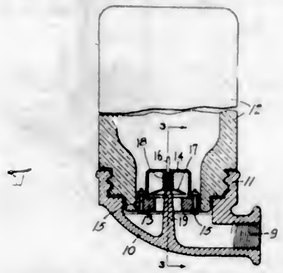
1. A casing for holding goods containers undergoing treatment, comprising a shell; and an annular series of resilient clamp plates disposed lengthwise and for approximately the depth of the casing interior, each of said plates being secured along one of its sides parallel with the shell axis, to the wall of the shell, the remainder of the plate being free and normally standing away from said wall.

1,579,585. SUPPORTING REST. SAMUEL WIEDER and ELI MULLER, Highland Falls, N. Y. Filed July 10, 1924. Serial No. 725,158. 1 Claim. (Cl. 155—174.)

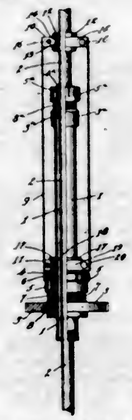
In a rest support, in combination, a sector shaped metallic frame, cushion means encompassing the frame, two metallic members carried by the frame, their upper portions being extended into hooks above the sector shaped frame capable of placement over a chair back and their lower portions being bent to form loops, a strap attached to each loop having an arm supporting loop at its slower extremity and means for maintaining the straps in predetermined lengths.

1,579,586. LUBRICATING APPARATUS. FREDERIC WILKES, Wilkinsburg, Pa. Filed Oct. 5, 1925. Serial No. 60,430. 2 Claims. (Cl. 184—103.)

2. Lubricating apparatus comprising an oil cup having an outlet conduit adapted for communication with an oil reservoir, an open mouthed oil receptacle mounted in inverted position upon the cup, a spring-held upwardly opening check valve supported in the mouth of said receptacle, and a projection formed integrally with and extending upwardly from the bottom of the cup, in position to push said valve from its seat when the receptacle is placed upon the cup.

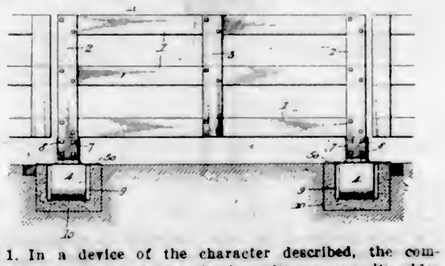


1,579,587. DOUBLE-STROKE DEEP-WELL PUMP. GEORGE E. WILLERS, Lawrenceburg, Ind., assignor to A. D. Cook, Inc., Lawrenceburg, Ind., a Corporation of Indiana. Filed June 16, 1924. Serial No. 720,192. 4 Claims. (Cl. 103—200.)



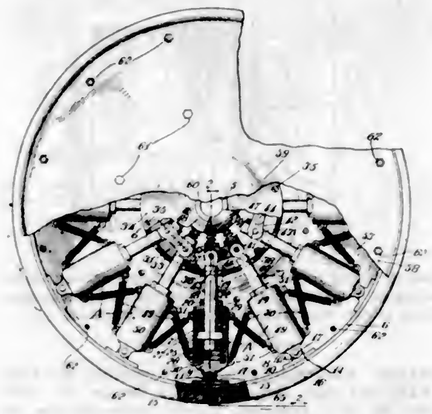
1. In a deep well pump having a plurality of reciprocating plungers, the plunger rods operating one within the other, packing boxes on said plunger rods to prevent leakage and a means for diverting possible leakage from said packing boxes away from the operating mechanism.

1,579,588. VEHICLE-OPERATED ROCKING GATE. HANS H. WOLFF, Denver, Colo. Filed Feb. 10, 1925. Serial No. 8,196. 10 Claims. (Cl. 39—5.)



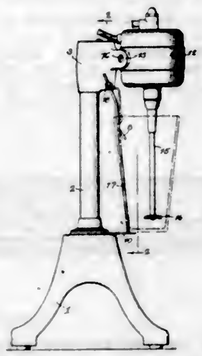
1. In a device of the character described, the combination with a roadway having pits on opposite sides thereof; of rockers in said pits and a gate secured at its ends to said rockers.

1,579,589. WHEEL. ISRAEL I. ZIPERSTEIN, Chicago, Ill., assignor of one-half to Harry S. Handler and ten per cent to Morris M. Newman. Filed Sept. 22, 1921, Serial No. 502,449. Renewed Nov. 15, 1924. 1 Claim. (Cl. 152—47.)



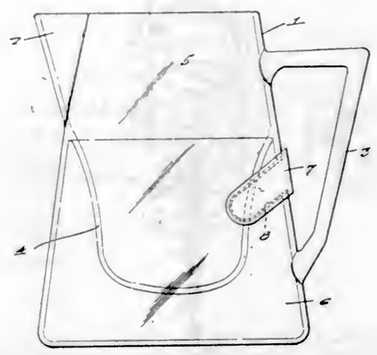
In a wheel, a hub, a floating rim, and a plurality of radially disposed yieldable members interconnected in pairs in the same circumferential plane, each pair having common pivotal connection to the hub and individual connection with the rim said hub connection including rocking links.

1,579,590. DRINK MIXER. CHESTER H. BEACH, Racine, Wis., assignor to Wisconsin Electric Company, a Corporation of Wisconsin. Filed Feb. 19, 1923. Serial No. 619,825. 4 Claims. (Cl. 259—135.)



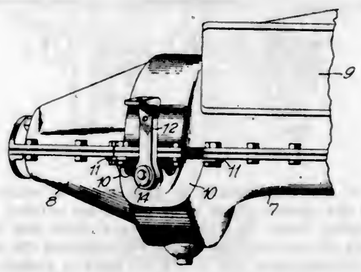
4. A drink mixer comprising a base, a standard thereon, a switch at the upper end of said standard, a bracket adjacent said switch, an electric motor supported by said bracket, a vertical agitator stem depending from said motor, a narrow ledge carried by said base beneath the end of said agitator and to one side thereof, inclined guide members extending from said ledge to said bracket, a switch-actuating arm pivoted on said bracket, one end engaging said switch and the other end projecting downwardly into the space occupied by a receptacle to be supported on said ledge, and a spring normally impelling said member in a direction to hold said receptacle against said guide members and to hold said switch in position to maintain the motor circuit open.

1,579,591. HYGIENIC WATER RECEPTACLE. MARGARET RUSSELL BENNETT and HARRY RUSSELL, Gary, Ind. Filed May 26, 1924. Serial No. 716,077. 1 Claim. (Cl. 15—31.)



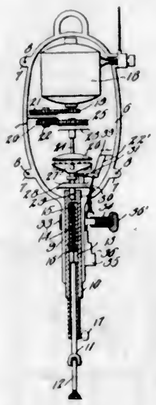
A receptacle open at its top, a substantially cup-shaped dividing wall disposed transversely in the receptacle, with its upper edges engaged against the intermediate portion of the receptacle and having the bottom thereof spaced from the bottom of the receptacle, said cup-shaped dividing wall providing an upper water compartment and a lower ice compartment at the open top of the receptacle a spout extended therefrom, said receptacle provided with an opening located below the upper edge of the cup-shaped dividing wall, and a handle mounted upon the receptacle and having its intermediate portion disposed opposite the opening, said opening being disposed on a side of the receptacle opposite to that on which is disposed the spout.

1,579,592. CRANK-CASE BRACE AND HANGER. CHARLES R. BOWEN, Gray, Ga. Filed Aug. 27, 1924. Serial No. 734,546. 2 Claims (Cl. 180—64.)



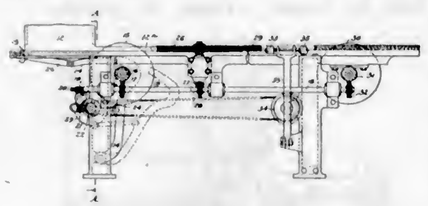
1. A crank-case brace and hanger element for the motor of a vehicle comprising a metallic casting of substantially cup-form having an enlarged central body portion with inner inclined and outer vertical faces and upwardly extended side portions terminating in flattened substantially horizontal extremities conforming in shape to and underlying the marginal flanges of the united casing members of the motor unit, to which said extremities are bolted at the corners thereof, and a hanger-arm having one end pivoted to said casting against its outer face and its other end extended over and bolted to the vehicle frame providing a pivotal support for the motor-unit.

1,579,593. SOCKET WRENCH. LESTER J. BOWMAN, Bay City, Oreg. Filed Mar. 13, 1924. Serial No. 698,969. 2 Claims. (Cl. 81—57.)



1. In a device of the character described, a body portion, a tubular shank supported by the body portion, a wrench shank slidably mounted within the tubular shank and carrying a wrench socket at its outer end, a coiled spring positioned in the tubular shank, one end of the coiled spring being secured within the tubular member, the opposite end of the spring being secured to the slidable shank to normally draw the slidable socket carrying shank inwardly, and means for holding the slidable shank in various positions of adjustment.

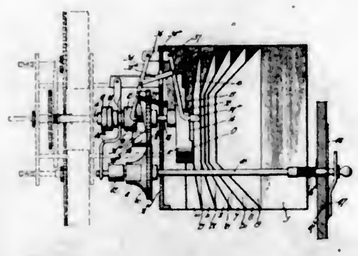
1,579,594. WOODWORKING MACHINE FOR MAKING RULERS, SET SQUARES, AND THE LIKE. EDWARD WALTER CABRA, Abbotsford, Victoria, Australia. Filed Aug. 6, 1923, Serial No. 656,144. Renewed Feb. 26, 1926. 2 Claims. (Cl. 144—3.)



1. In the manufacture of flat rulers, a chute into which the wooden blocks to be parted are stacked, a reciprocating finger that impinges on a block and moves it along the machine bed, means for actuating the finger, edge trimming saws past which the block is pushed, horizontal saws for parting the block into slabs, vertical saws for parting the slabs into pieces the size of the rulers, a lateral ejectment rocking bar for displacing surplus slabs, a cam impinging thereagainst, means for rotating the cam and means for reacting the bar after each forward movement.

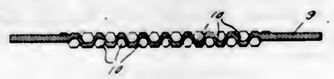
1,579,595. TIME-RECORDING APPARATUS. HECTOR WILLIAM COLE and STANLEY CHARLES MCGILL, South Melbourne, Victoria, Australia. Filed Nov. 28, 1923. Serial No. 677,473. 6 Claims. (Cl. 161—15.)

1. Time registering apparatus characterized by the use of a multiple stepped cam and a cam having a gradually receding surface, the arrangement of said cams being that when the cam having the receding surface allows a lever in contact therewith to move over to the maximum



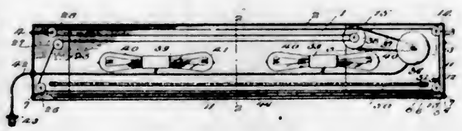
inner or lowest point of said cam, a token delivery chute moving on the surface of a multiple stepped cam is positioned at the maximum outer or early position.

1,579,596. ELECTRIC FUSE AND METHOD OF PREPARING SAME. THOMAS F. COTE, Chicago, Ill. Filed Oct. 13, 1921, Serial No. 507,436. Renewed Aug. 25, 1925. 1 Claim. (Cl. 200—135.)



An electric fuse having its central portion knurled and embossed on opposite sides thereof and in relatively staggered relationship to increase the surface tension thereof.

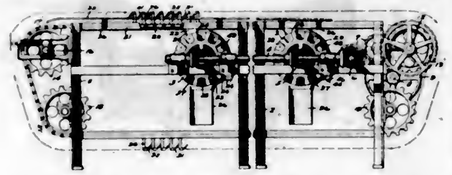
1,579,597. ADVERTISING SIGN. RICHARD M. CRAIG, San Antonio, Tex. Filed Feb. 27, 1918, Serial No. 219,498. Renewed July 7, 1925. 13 Claims. (Cl. 40—32.)



1. In a sign of the class described, a source of illumination, a refractive light rays transmitting medium, a translucent light rays transmitting medium arranged between the source of illumination and the refractive light rays transmitting medium, and a moving sign medium having sign characters defined by series of perforations therein, the sign medium being arranged to travel between the translucent light rays transmitting medium and the refractive light rays transmitting medium.

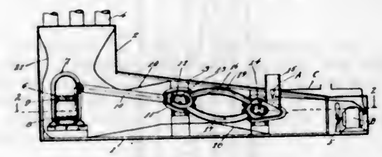
1,579,598. SORTING AND CUTTING MACHINE. WILLIAM DE BACK, Isleton, Calif. Filed Mar. 31, 1923. Serial No. 629,020. 7 Claims. (Cl. 146—81.)

1. In a sorting and cutting machine, a carrier for each size of the article to be handled, means for sorting said articles into said carriers, means for positioning said articles in said carriers, a cutting blade associated with each carrier and agaist which the articles are pressed by



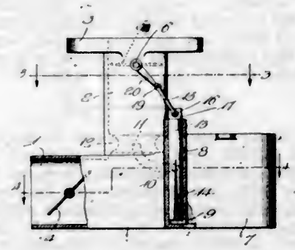
the carrier, a shaft on which said blade is fixed, and means for varying the longitudinal position of the shaft to vary the length of the articles cut by the blade.

1,579,599. GAS FURNACE. CORNELIUS W. DE FOREST, Cincinnati, Ohio. Filed May 22, 1922. Serial No. 562,679. 7 Claims. (Cl. 126—116.)



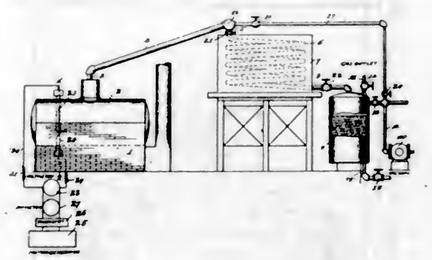
1. In a furnace, a shell, hot air conductor pipes extending therefrom, a flue, a combustion chamber within said shell, means for conducting the products of combustion through said shell to the flue, means for introducing air to be heated into said shell, said shell, gas conducting means and air introduction means being so arranged that the flow of products of combustion and air are opposite to each other, the incoming air being introduced to the shell beyond the flue exit with the hottest conducting means being located closest to the hot air conductor pipes.

1,579,600. CARBURETOR. FRANK DURANTE, Paterson, N. J. Filed Nov. 26, 1924. Serial No. 752,418. 3 Claims. (Cl. 251—34.)



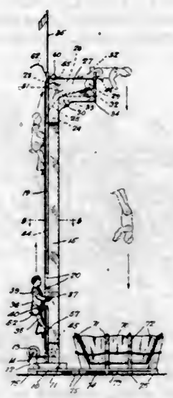
1. A carburetor fuel control valve comprising a vertical cylinder whose lower end is formed with an inlet, said cylinder having a fuel outlet at a single point between its ends, a plunger received slidably and rotatably in said cylinder, said plunger having a plurality of different sized circumferentially spaced upwardly tapered grooves from its lower extremity to an elevation between its ends, any one of said grooves being adapted to be positioned for communication with said outlet by turning the plunger in the cylinder by hand, and raising and lowering means for said plunger.

1,579,601. PROCESS OF TREATING OIL. GUSTAV EGLOFF, Chicago, Ill. Filed Apr. 26, 1917, Serial No. 164,618. Renewed Sept. 27, 1922. Serial No. 591,003. 2 Claims. (Cl. 196—121.)



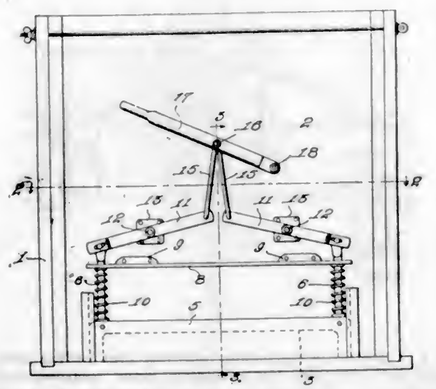
1. A process of converting relatively high boiling point hydrocarbons into lower boiling point hydrocarbons, consisting in externally heating a bulk supply of oil and in simultaneously producing an electric arc within the body of said bulk supply of oil to heat the oil to a cracking temperature, in passing the evolved vapors through an aerial condenser from which reflux condensate returns to the bulk supply of oil, thence to a condenser and a receiver and in maintaining said bulk supply of oil under a selfgenerated superatmosphere vapor pressure.

1,579,602. FIGURE TOY. PETER ESSER, Clifton, N. J. Filed Feb. 23, 1922. Serial No. 538,475. 6 Claims. (Cl. 46—40.)



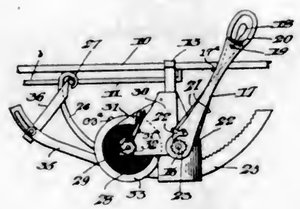
1. In a toy, the combination with a grooved column having an angularly extending arm, of pulleys in the grooves of said column, an endless cord trained about the pulleys, a secondary cord having one end spliced to the inner run of the endless cord, the other end engaging with the drum of a windlass, means whereby a figure carrier attached to the outer run of said cord is caused to move upward and outward on said arm as the secondary cord is wound on said drum and means for releasing an object on the figure carrier when at the end of said arm whereby it may fall in an inverted position.

1,579,603. END GATE. MITCHAEL J. ETIENNE, Conrad, Mont. Filed Sept. 11, 1925. Serial No. 55,828. 2 Claims. (Cl. 296—52.)



1. The combination with a grain box having an outlet opening in the rear end thereof, guides thereon at the opposite sides of the opening, a valve plate movable through said guides, rods extending upwardly from the ends of the valve plate, a guide for the rods, a helical spring surrounding each rod and exerting a pressure between the guide plate and the valve plate for forcing the latter downwardly to close the opening in the grain box, and lever actuated means pivotally secured on the grain box and loosely connected with the rods for moving the valve to open position.

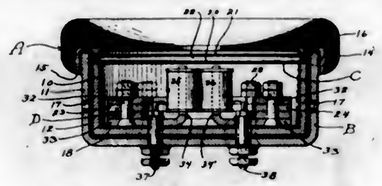
1,579,604. HOSPITAL INVALID BED. WILLIAM FREDERICK FEDOSENKO, Perdue, Saskatchewan, Canada. Filed Nov. 27, 1923. Serial No. 677,252. 3 Claims. (Cl. 5—77.)



3. In a bed of the character described a main frame, an inner frame pivotally mounted on the main frame, a quadrant operatively connected to the inner frame, a shaft provided with means adapted to engage with said quadrant, means for operating the shaft from a distance to move the quadrant backwards and forwards, to raise or lower the inner frame, and auxiliary raising and lowering means for the inner frame comprising a spring actuated counter shaft, a lever arm for the shaft and means for operating said arm and stop means for said operating means.

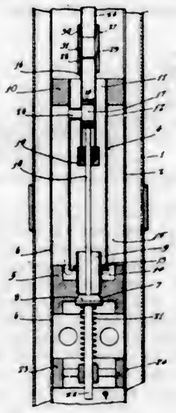
1,579,605. RADIO AMPLIFYING RECEIVER. PERCY GAVIN, National Sanitarium, Tenn. Filed Oct. 17, 1925. Serial No. 63,023. 11 Claims. (Cl. 179—116.)

1. In an amplifying receiver for telephony, diaphragmatic means, and magnetic means for influencing said diaphragmatic means, and including electromagnets magnetically connected to the diaphragms of



the latter, so that said diaphragms act as poles of the magnetic means.

1,579,606. AIR OR GAS LIFT PUMP. HARVEY H. GRACEY, Long Beach, Calif. Filed Aug. 26, 1925. Serial No. 52,532. 5 Claims. (Cl. 103—232.)



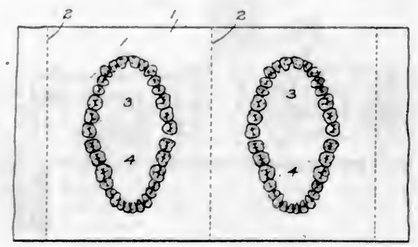
5. In an air-lift pump for a deep well having a barrel to receive air pressure, the combination of a socket connection having a socket member secured to the upper end of the barrel and having a conical recess, said socket connection including a nozzle member constructed to be secured to the lower end of an air pipe and having a conical lower end fitting into said conical recess, said conical nozzle and said conical recess constituting a ground joint for connecting the air pipe to the barrel.

1,579,607. TREATMENT OF WASTE PRODUCTS RESULTING FROM ACID TREATMENT OF PETROLEUM OIL. RALPH A. HALLORAN, Berkeley, WILLIAM N. DAVIS, Oakland, and GEORGE A. DAVIDSON, San Francisco, Calif., assignors to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Sept. 6, 1923. Serial No. 661,323. 6 Claims. (Cl. 23—173.)

1. The treatment of dirty acid derived in the acid treatment of petroleum oils, which consists in subjecting such dirty acid in a closed retort to a pressure of over 50 pounds gage per square inch, while raising the same to the high hydrolyzing temperature, thereby separating the same into relatively weak clear acid and a tarry residue, and withdrawing these products separately.

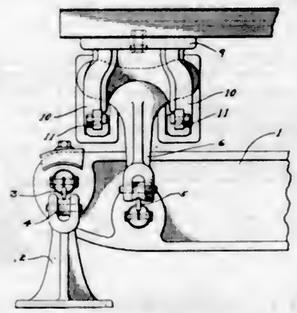
2. The process of treating dirty weak acid derived in the treatment of petroleum oils with sulfuric acid, which consists in subjecting the same, intermingled with fuel oil in a relatively small quantity, in a closed retort wherein a pressure of over 50 pounds gage per square inch is maintained, to a high hydrolyzing temperature, whereby the mass is separated into a relatively weak clean acid and a liquid fuel, and separately withdrawing said products.

1,579,608. RUBBER DAM. SAMUEL S. HAUDENSHIELD, Carnegie, Pa. Filed July 17, 1924. Serial No. 726,470. 1 Claim. (Cl. 32—20.)



A rubber dam for dentists' use consisting of a sheet of rubber of predetermined shape and size, and bearing a diagram of a set of teeth in natural relative positions, whereby, when the sheet is perforated for a given tooth and applied, a sufficient margin of rubber will remain on every side.

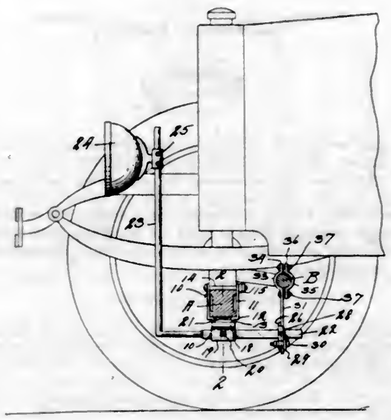
1,579,609. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 16, 1922. Serial No. 607,275. 9 Claims. (Cl. 265—71.)



1. In a device of the class described, in combination, a load pivot, a member supported on said load pivot, parallel links having inwardly-turned knife edges formed at their ends depending from said member, and platform structure supported by said parallel links.

1,579,610. DIRIGIBLE HEADLIGHT ATTACHMENT FOR AUTOMOBILES. CECIL MARTEL HIND, Seattle, Wash. Filed June 2, 1925. Serial No. 34,456. 7 Claims. (Cl. 240—62.)

1. A lamp deflecting attachment for automobiles comprising an axle-clamping member, a clamp swiveled thereto for oscillation in a horizontal plane, a lamp supporting bar disposed in said clamp and adjustable longitudinally therethrough, a transmission member formed at its upper end with a clamp adapted to engage the steering rod of an automobile, said transmission member being vertically slotted, and a clamp disposed at the lower end of the transmission member and

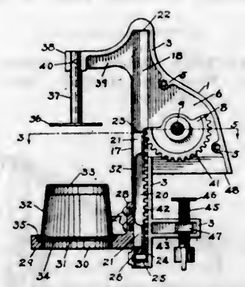


through which said lamp supporting bar passes, the clamp being adjustable vertically upon the transmission member.

1,579,611. COMPOSITION OF MATTER. CHARLES E. HITE, Philadelphia, Pa. Filed July 6, 1925. Serial No. 41,879. 4 Claims. (Cl. 106—24.)

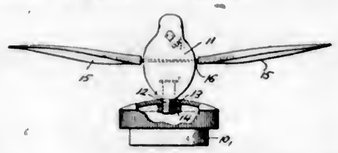
1. A composition of matter consisting of hydrated lime made into a plastic mass with a lime sulphur solution.

1,579,612. MACHINE FOR REMOVING CONTENTS OF PAPER CUPS. OTTO C. HOFFMAN and JOHN J. DUNN, Buffalo, N. Y. Filed Dec. 3, 1925. Serial No. 72,942. 8 Claims. (Cl. 214—1.1.)



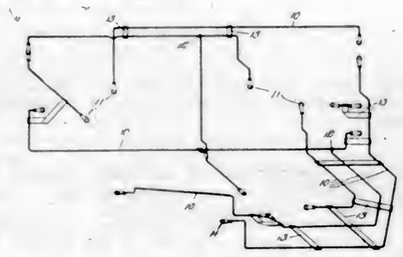
1. In a device of the character described, a body in halves having vertical parallel sides fastened together on a central contacting line, vertical guides in said body with an opening in front of said guides, a rack having rearwardly extending teeth and adapted to slide in said guides, a sector mounted to the rear of said rack and having teeth to mesh with the teeth in said rack, a ring having a flange fastened to said rack and adapted to be operated through said front opening, a stationary disk mounted above and central over the opening of said ring and handle means to be given an upwards circular motion to operate said sector and rack and raise said ring towards said stationary disk.

1,579,613. ORNAMENTAL FIGURE TOY. RAYMOND A. HOLMES, Catonsville, Md. Filed June 10, 1925. Serial No. 36,198. 2 Claims. (Cl. 46—40.)



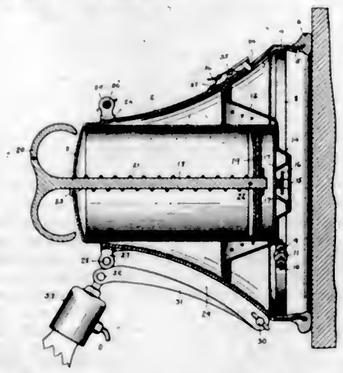
2. An ornament of the character described adapted to be placed upon an automobile radiator cap, means provided upon the ornament for removably securing the latter to the radiator cap, a pair of wings, and a resilient strip having outwardly and oppositely extending enlarged portions formed upon its ends and intermediate portion and adapted to be embedded within the ornament and wings, respectively.

1,579,614. RADIO WIRING SET. AUGUST W. HORNIG, Chicago, Ill. Filed Mar. 5, 1925. Serial No. 13,172. 4 Claims. (Cl. 250—14.)



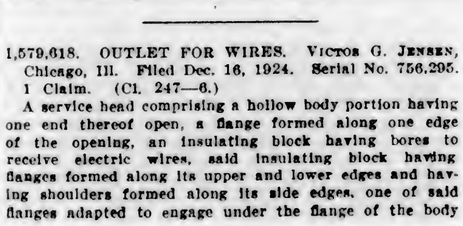
1. The combination of a set of wires, adapted, dimensioned and fitted to connect the various instruments and contact points within a radio cabinet, with a series of braces adapted to hold said wires, prior to the connection thereof to said instruments and contact-points, in the same relative position to each other which they are intended to occupy after the completion of the hook-up.

1,579,615. SUCTION BRACKET. MORRIS HOWE, Duluth, Minn. Filed Apr. 24, 1925. Serial No. 25,512. 4 Claims. (Cl. 248—39.)



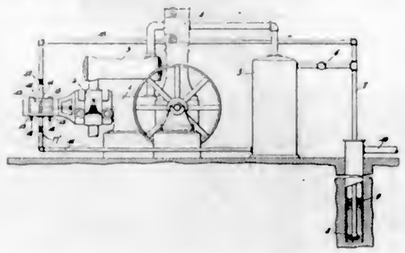
1. A suction bracket of the class described comprising an air pump, a housing attached to the base of the pump forming a chamber communicating therewith, a resilient cushioning means about the free contacting edges of the housing, a piston within the pump, and means whereby the piston normally tends to exhaust the chamber.

1,579,616. PUMPING SYSTEM. DAVID H. HUNTER, San Antonio, Tex., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 25, 1919. Serial No. 313,193. 24 Claims. Cl. 103—232.)



1. An air lift pumping system including pumping means and a compressing mechanism comprising a plurality of cylinders arranged to compress air serially, and means for discharging air from different ones of said series to said pumping means to discharge excess and normal heads, said pumping means being disposed so as to always discharge below the natural liquid level assumed during pumping.

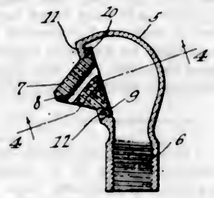
1,579,617. PUMPING SYSTEM. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 28, 1919. Serial No. 313,852. 19 Claims. (Cl. 103—232.)



1. In an air lift pumping system, means adapted to discharge an excess and normal head including a down pipe and supply means connected thereto, said latter means comprising a compressor mechanism, a cooperating compressor mechanism driven thereby and connected in multi-stage relation therewith, and means for rendering said last mentioned mechanism ineffective while continuing the operation of the other.

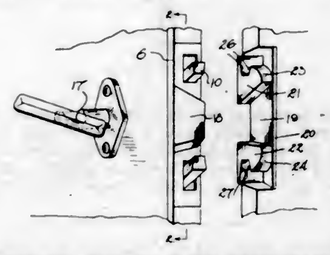
1,579,618. OUTLET FOR WIRES. VICTOR G. JENSEN, Chicago, Ill. Filed Dec. 16, 1924. Serial No. 756,295. 1 Claim. (Cl. 247—6.)

A service head comprising a hollow body portion having one end thereof open, a flange formed along one edge of the opening, an insulating block having bores to receive electric wires, said insulating block having flanges formed along its upper and lower edges and having shoulders formed along its side edges, one of said flanges adapted to engage under the flange of the body portion, a pin extending through the body portion and adapted to engage the flange at the lower side of the insulating block to removably secure the insulating block



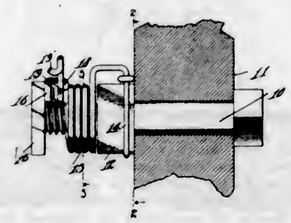
within the body portion, and said shoulders adapted to engage the edges of the body portion at the sides of the opening to restrict inward movement of the insulating block.

1,579,619. MOTOR-CAR AND OTHER DOOR LOCK. FRANK KERBY, Woollahra, near Sydney, New South Wales, Australia. Filed Apr. 29, 1924. Serial No. 709,829. 1 Claim. (Cl. 292—19.)



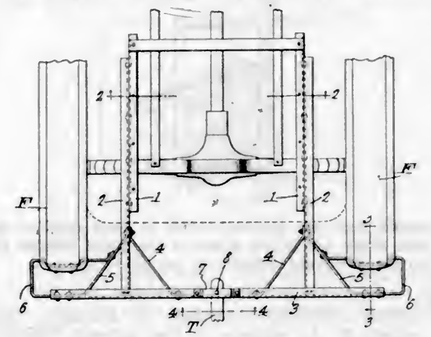
A vehicle door lock comprising a casing having spaced slots in the front end thereof, and also having a wedge shaped block on the front end between said slots, a U shaped spring having its right portion secured within the casing, and its arms extending through and movable laterally in said slots, the arms of the U shaped spring being wedge shaped, a striking plate on the door jamb, said plate having wedge shaped keepers to receive the wedge shaped ends of the U spring, and also having a wedge shaped recess between said wedge shaped keepers, to receive the wedge shaped block, and means to spread the arms of the U shaped spring to unlock the door.

1,579,620. NUT LOCK. DANIEL C. KERR, Salem, Oreg. Filed Apr. 21, 1925. Serial No. 24,835. 4 Claims. (Cl. 85—32.)



1. In a nut lock, the combination with a bolt and its work engaging nut, of a spring means engaged with the nut for urging the latter against the work, means threaded on the bolt and operatively connected with an end of the spring means for regulating the tension of the spring means, and locking means on the threaded means for automatic engagement with the threads of the bolt.

1,579,621. FENDER BRACE AND BUMPER. KNUT KLEVEN, Minneapolis, Minn., assignor of one-half to Gilbert Kleven, Mount Horeb, Wis. Filed Aug. 14, 1925. Serial No. 50,300. 4 Claims. (Cl. 293—55.)



1. A fender brace for automobiles including a transverse member, means for attaching the same to the frame of an automobile, said member constituting a bumper, braces connecting said transverse member to the attaching means, and a combined guard and fender support integral with each of said braces and extending laterally and forwardly relative to the transverse member.

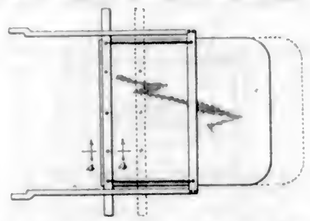
1,579,622. VANITY CANE. EDNA T. RASMUSSEN, Los Angeles, Calif. Filed May 28, 1925. Serial No. 33,519. 11 Claims. (Cl. 135—47.)

1. A cane box head, a movable cover for the head, and a magazine fitting in the box and movable to extend objects therein at the top of the head when the cover is opened and means for retracting the magazine.

1,579,623. ANTISPLASH DEVICE FOR MOTOR VEHICLES. FREDERICK HERBERT ATHERTON, Paden City, W. Va. Filed Sept. 11, 1924. Serial No. 737,167. 7 Claims. (Cl. 280—153.)

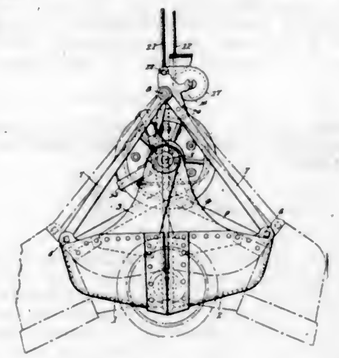
1. In an anti-splash guard, brackets formed for attachment to a vehicle chassis, bars formed for vertical attachment to the brackets and having slots with upwardly facing ratchet teeth extending into the slots, guide strips secured to the outer ends of the bars, a guard member, strips secured to opposite sides of the guard member, the ends of one of the last named strips

extending through the bar slots and formed to engage the ratchet teeth, stops on said named strip to engage the bars and restrict lateral movement of the guard



member, and coil springs secured at their ends to the guide strips and to the strips of the guard member for exerting downward tension on the guard member.

1,579,624. BUCKET. HERBERT S. ATKINSON, East Orange, N. J., assignors to The Hayward Company, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1925. Serial No. 5,951. 4 Claims. (Cl. 37—184.)

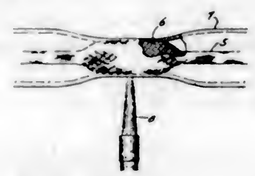


1. The combination of a bucket formed of a plurality of sections, mechanism for operating said sections including a power wheel having a hub portion, and a chain for opening and closing the bucket sections comprising a single section and a plural section, the single section being secured to the hub of the power wheel and adapted to make a single turn about the same, and the members of the plural section being adapted to make a single turn around said hub on either side of the single section.

1,579,625. SPARK PLUG. GEORGE E. BANGHART, Ballston, Va. Filed Sept. 5, 1923. Serial No. 661,039. 1 Claim. (Cl. 123—169.)

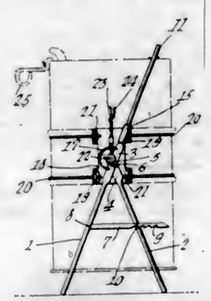
In a plug of the character described, a case hooded at the inner end, an insulating core therein, an axial electrode mounted in the core exposed within the hood, a separate electrode mounted within and on the side of the hood including a stem set in the wall of the hood and a heat accumulating and retaining enlargement on the stem spaced with the hood and cooperative relation to the first electrode, said hood being laterally apertured for the reception of gases and projection of ignited gases as described, including an aperture opposite the stem of the second named electrode of a size to permit insertion of said electrode and admit a tool for adjustment of the gap.

1,579,626. SEALING LEADING-IN CONDUCTOR. HENRY W. BANTA, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1923. Serial No. 675,486. 2 Claims. (Cl. 176—36.)



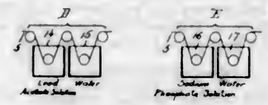
1. The method of sealing a tubular perforate member into a wall of ceramic material which consists in placing some of the material inside the member, surrounding the outside of the member with ceramic material, and fusing together the ceramic material inside and outside the member.

1,579,627. BARREL RACK. GEORGE BELL and WILLIAM E. KIRK, Dalhart, Tex. Filed Sept. 26, 1924. Serial No. 740,088. 1 Claim. (Cl. 248—58.)



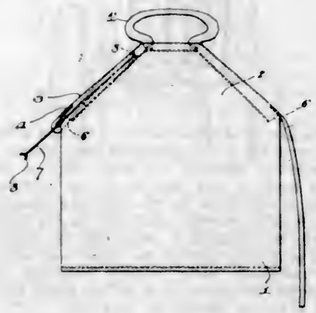
In a device of the class described, loop-shaped supports disposed at an angle to each other, the supports comprising side arms which are pivotally connected, means for mounting a container on the supports for swinging movement, means for holding the supports adjustably at different angles with respect to each other thereby to adapt the device to containers of different heights, the lower ends of the supports being free, to permit the supports to be adjusted angularly with respect to each other, a handle pivoted to one arm of one support, whereby the handle may be swung downwardly into an out-of-the way position when not in use, and means for holding the handle in approximate alinement with said arm, the handle constituting means whereby the device may be tilted, as aforesaid, with the lower end of either support as a fulcrum.

1,579,628. PROCESS OF WEIGHTING FIBERS AND THE PRODUCT THEREOF. OLAV BERG, Paterson, and MAX IMHOFF, Clifton, N. J. Filed Dec. 26, 1922. Serial No. 609,082. 26 Claims. (Cl. 8—13.)



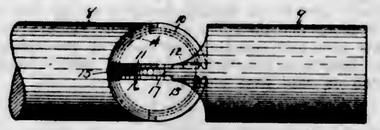
1. The process of weighting fiber which comprises preliminary weighting the fiber with tin by any known method which includes the use of a fixing bath, and thereafter treating the fiber with a soluble lead compound.

1,579,629. APRON. BENJAMIN BERKOWITZ, Philadelphia, Pa. Filed Dec. 17, 1925. Serial No. 75,923. 1 Claim. (Cl. 2—51.)



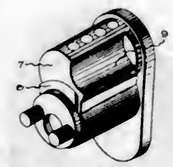
An apron comprising a skirt and a bib with upwardly converging edges, strings secured to said apron adjacent to the waist line thereof and tunnels along the converging edges of such bib and having open mouths adjacent to the point of attachment of the strings.

1,579,630. UNIVERSAL JOINT. EDWIN BERTSCHE, Rockville, Conn. Filed Oct. 15, 1923. Serial No. 668,495. 5 Claims. (Cl. 64—102.)



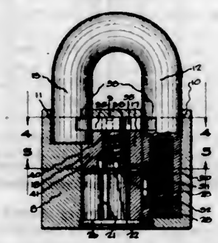
1. A universal joint comprising a spherically shaped connecting member having a releasing groove and a locking groove with a narrowed portion, and a connected member having a locking rib to be received in the wider portion of said locking groove, said rib being wider than the narrowed portion of said locking groove.

1,579,631. RECORD-PRESERVING REMOVABLE-CORE LOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Feb. 11, 1924. Serial No. 692,113. 5 Claims. (Cl. 70—108.)



1. In a lock, a core case, a lock core removable from said core case and means forming a record preserving recess accessible when said core is withdrawn from said core case.

1,579,632. PADLOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E Best, Inc., Seattle, Wash., a Corporation of Washington. Filed July 2, 1924. Serial No. 723,789. 2 Claims. (Cl. 70—108.)

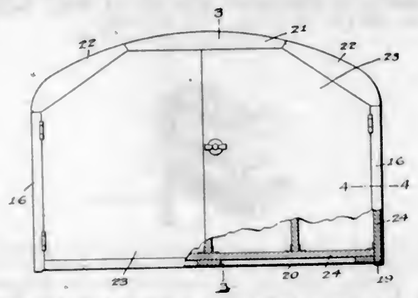


1. In a padlock, a relatively large massive housing having three intersecting lock receiving, tubular bores extending from the bottom end upwardly and having two shackle receiving bores extending from the top end downwardly, a J shaped shackle having a longer leg and a shorter leg both arranged to protrude into said shackle receiving bores, said shackle legs being notched on their inner sides, plugs partially filling said lock receiving bores, a key pin in one of said plugs for engaging with the longer leg of said shackle and limiting the movement of the same, the shackle leg being slotted for the reception of the key pin, a pin tumbler lock core arranged to be removably secured within said lock receiving bores by key operated means, a rotatable key plug in said pin tumbler lock core, a key plug extension connected with said rotatable key plug by means affording lost motion therebetween, a spring tending to turn said key plug extension in one direction, two latch members slidably mounted in lapped relation in the upper part of said housing and arranged to enter the notches in said shackle legs and means for moving said latch members by turning said key plug.

1,579,633. BUCKET BOX. ARTHUR L. BETTS and ANTHONY B. FEY, Cincinnati, Ohio, assignors to Augustine Davis, jr., Covington, Ky. Filed Nov. 16, 1922. Serial No. 601,234. 19 Claims. (Cl. 220—1.)

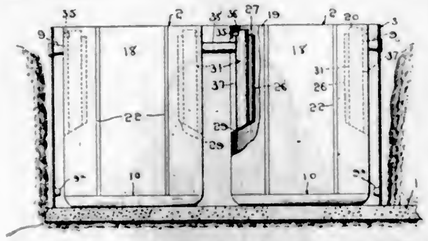
1. In a road vehicle tank, a welded bucket-box, having a main part formed of a back sheet section with end

wings bent forward therefrom to form the sides of the box, said wings having upward extensions which are curved toward each other and united to form an arched



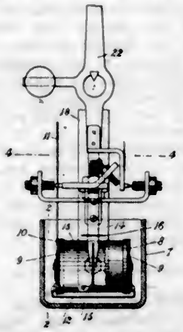
top for the box, said back sheet section welded to the end of a tank, and other parts welded to said main part and completing the box structure.

1,579,634. APPARATUS FOR MOLDING SEPTIC TANKS. WILLIAM T. BIDWELL, Miami, Fla. Filed July 11, 1924. Serial No. 725,462. 10 Claims. (Cl. 25—130.)



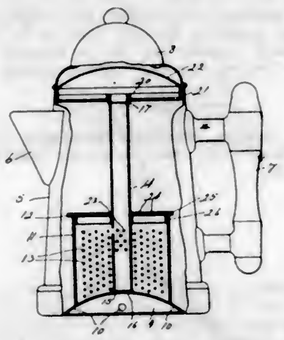
1. Means for producing masonry tanks including a substantially cylindrical inner form provided at its lower end with a detachable bottom consisting of a substantially semi-spherical body made up of a plurality of sections and a spacer, and means for detachably connecting the sections and spacer.

1,579,635. WEIGHING SCALE. ERNEST LESLIE BLICK, Broadheath, Altrincham, England, assignor to The Automatic Scale Company, Limited, Altrincham, Cheshire, England. Filed June 4, 1923. Serial No. 643,445. 3 Claims. (Cl. 188—97.)



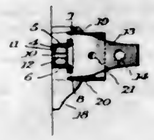
1. A motion retarding device for use in combination with weighing scales comprising a fluid containing receptacle, a cylinder disposed within said receptacle and having perforations in its walls adjacent each end thereof said perforations admitting of the circulation of the liquid in the said receptacle through the cylinder, a reciprocally operable piston disposed within the said cylinder and free of contact with the walls thereof, means adapted to co-operate with said perforations for adjusting the degree of opening permitted thereto, means whereby said adjustment can be effected from the exterior of said receptacle and means for connecting said piston to an operative part of the scale mechanism.

1,579,636. TEA AND COFFEE HOLDER FOR POTS. SAMSON BORGNIS, Philadelphia, Pa. Filed Oct. 10, 1925. Serial No. 61,699. 3 Claims. (Cl. 53—3.)



1. As an article of manufacture, a tea and coffee holder for pots comprising a dome-shaped base having perforations thereabout adjacent its lower edge, a perforated receptacle fixed to said base above the perforations in the latter, a tube fixed to the base and communicating with the interior thereof, said tube having perforations only within the confines of receptacle, the upper end of said tube projecting beyond the upper end of the receptacle, a receptacle cover slidably mounted upon the tube, a perforated device fixed to the upper end of said tube and a handle carried by said disc.

1,579,637. WINDOW-SHADE BRACKET. HENRY W. BRENT, Baltimore, Md. Filed May 16, 1925. Serial No. 31,121. 7 Claims. (Cl. 156—24.)

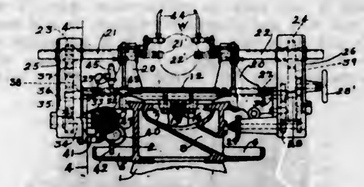


1. A window shade bracket comprising a base plate having upwardly and downwardly extending toothed flanges, a bracket arm slidably mounted on the base plate, and a detachable fastening clip slidably mounted on the bracket arm and engaging the teeth of the upper and lower flanges to maintain the bracket arm in adjusted position on said base plate.

1,579,638. MACHINE TOOL. JOHN P. BROOKE, Narberth, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 17, 1924. Serial No. 699,877. 9 Claims. (Cl. 90—11.)

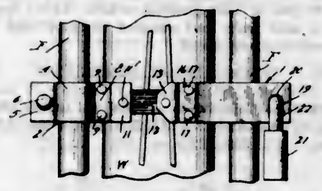
1. A machine tool bed comprising a body portion having two lubricant receiving troughs respectively extending horizontally along opposite sides thereof, a carriage supporting way extending along the bed above and parallel

with each trough, the bed between and beneath the said ways being formed into a trough for catching lubricant falling thereinto, the bed between the last named trough and one of the first named troughs being formed to pro-



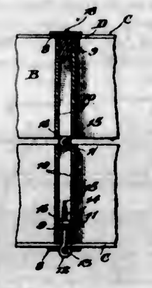
vide a lubricant conducting channel therebetween, and the bed respectively adjacent its ends being formed into two channels providing communication between the two first named troughs.

1,579,639. BICYCLE LOCK. HAROLD EDWARD BROTEMARKLE, Clinton, Mo. Filed MAY. 13, 1923. Serial No. 624,771. 1 Claim. (Cl. 70—90.)



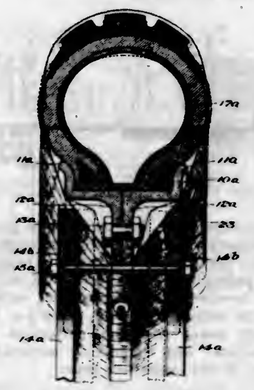
A wheel lock adapted for attachment to a bicycle frame, said lock including a clamping member adapted to be clamped to the frame, a link pivotally supported by the clamping member, a clamping member embodying spaced arms pivotally connected with the link, said arms having openings to receive a lock, and said arms adapted to be normally locked to the frame to which the first mentioned clamp is secured, and said arms adapted to embrace a portion of the adjacent frame section to lock the wheel against movement.

1,579,640. CONTAINER PARTITION. WILLIAM T. S. BROWN, East Point, Ga. Filed Dec. 18, 1923. Serial No. 681,438. 2 Claims. (Cl. 217—17.)



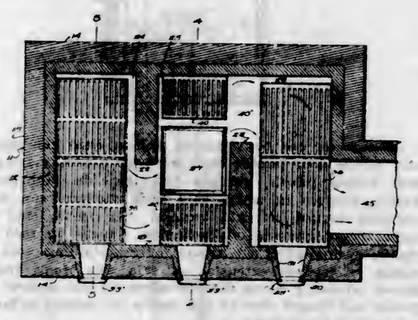
1. A partition comprising members constituting a frame having openings therethrough, a wall thereon, bolts in said openings extending inwardly and outwardly of said frame members and having outer terminals disposable into walls of a container, and nuts on the inner portions of said bolts contactable at their sides with said wall whereby their rotation is prevented.

1,579,641. METHOD AND APPARATUS FOR RETREADING TIRES. RICHARD S. BURDETTE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 10, 1921. Serial No. 476,637. 19 Claims. (Cl. 18—18.)



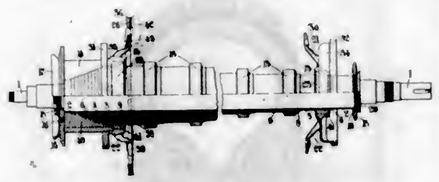
1. An apparatus for use in applying vulcanizable covering portions to tire casings comprising in combination, a flexible annular core for the casing adapted to contain fluid under pressure, means adapted to engage the inner periphery of the core to support said core and casing, and means adapted to be arranged in encircling relation to the tread zone of the casing and operable to compress said tread zone, the supporting means and tread encircling means being so arranged as to permit relatively free lateral flexing of the side walls of the casing.

1,579,642. INCINERATOR. HOWARD E. BURNS, Dallas, Tex. Filed July 25, 1925. Serial No. 46,125. 7 Claims. (Cl. 110—8.)



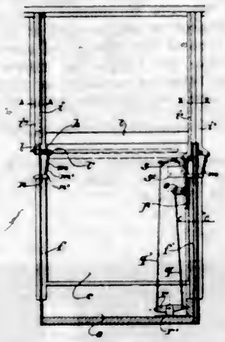
1. Apparatus of the character described comprising a furnace including opposite side walls, laterally spaced baffle walls extending inwardly alternately from opposite walls of the furnace to provide a plurality of burner chambers, said furnace being provided with an outlet, said burner chambers communicating with each other to form a continuous passage extending to said outlet, a pan arranged in one of said chambers between an adjacent pair of said baffle walls substantially centrally of the width of the furnace, and a grate arranged in said last named chamber, said grate being arranged between said pan and one of the side walls of the furnace to the side of said pan remote from said outlet.

1,579,643. COMMUTATING GEAR OF HIGH-TENSION DIRECT-CURRENT APPARATUS. JOHN EARNSHAW CALVERLEY, Preston, and WILLIAM EDEN HIGHFIELD, London, England, assignors to The English Electric Company Limited, London, England, a British Company. Filed June 15, 1925. Serial No. 37,222. 10 Claims. (Cl. 171—321.)



1. Commutating gear for use with a plurality of coaxial commutators adapted for connection in series through their brush gear, comprising a plurality of brush carriers, a supporting member for said carriers, insulating means between said carriers and said member for insulating the cariers from each other and from the said member, said means comprising alternate layers of insulating material and conducting material forming an arrangement of the condenser type.

1,579,644. MOTOR-CAR BODY. VIRGILIO CANDELARESI, Lyon, France. Filed Jan. 14, 1924. Serial No. 686,192. 1 Claim. (Cl. 296—48.)



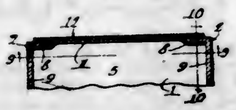
In a motor car body having hollow fixed side panels and hollow door panels, sash windows normally lying in said hollow panels, vertical side irons in said panels having grooves in which said sash windows can slide, uprights hinged to said vertical side irons, said uprights being grooved on each side, flanges on said uprights, spring governed means for maintaining said uprights in vertical extension of said side irons, tongue pieces extending along the top edges of said hollow side panels and hinged thereto and means for raising or lowering said sash-windows.

1,579,645. MACHINE FOR IMMERSING, COOKING, AND DELIVERING FOOD PRODUCTS. GAETANO CAPPI, San Francisco, Calif. Filed May 11, 1925. Serial No. 29,037. 1 Claim. (Cl. 126—272.)

In an apparatus of the character described, in combination, a tank of rectangular shape divided horizontally into upper and lower compartments providing, respectively, an immersion tank and a heating chamber, a heating element in said heating chamber, a plurality of longitudinally and vertically arranged partitions mounted in said immersion tank and extending from end to end thereof and dividing said tank into a plurality of reversely arranged passageways having end-guards, with an end of one passageway leading into that of another, a plurality of sprocket-wheels, forming chain supports, mounted in the ends of each passageway, guide-sprockets mounted in said tank, an endless-chain conveyor mounted in said tank and adapted for support by said sprocket-wheels and guide sprockets, a pair of guide-rails of opposite disposition secured to said partitions slightly above the conveyor and extending throughout said pas-

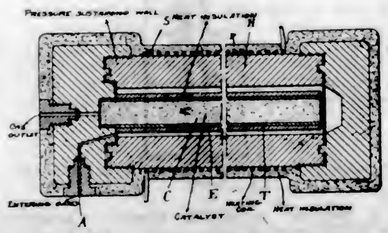
sageways in co-operative association with said conveyor, said guide-rails being adapted to support articles as conveyed through said passageways by the conveyor, a feed-chute at the feed end of said tank to deliver articles to the conveyor-chain and an elevator at the opposite end thereof for the delivery of cooked articles as received from the conveyor-chain, a reduction gear-train connected to one of said guide-sprockets, and a motor connected to said train and adapted to drive said conveyor at a predetermined speed.

1,579,646. PAPER BOX. MARK B. CLAFF, Randolph, Mass. Filed Mar. 12, 1925. Serial No. 15,076. 5 Claims. (Cl. 229—23.)



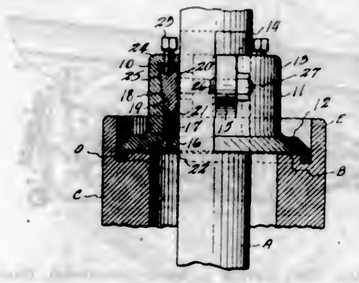
1. A paper box comprising a blank including a bottom portion, side portions and inturned end flanges on the side portions, said box having ends adapted for quantity production by feeding the same transversely of the blank as separate independent strips, said ends each comprising a blank applied to the exterior of said flanges, thereby closing the end of the box, and folded against and secured to the interior surfaces of said flanges.

1,579,647. PROCESS FOR THE SYNTHESIS OF AMMONIA. GEORGES CLAUDE, Paris, France, assignor, by mesne assignments, to Lazote Inc., a Corporation of Delaware. Filed Apr. 5, 1921. Serial No. 458,848. 5 Claims. (Cl. 23—289.)



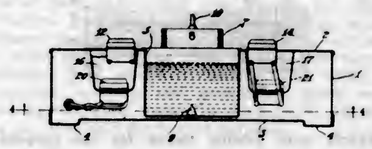
1. In the direct synthesis of ammonia, the process which comprises causing hydrogen and nitrogen to react within a chamber, eliminating the heat generated by the reaction while maintaining the metallic pressure-resisting wall of the chamber at a uniform temperature.

1,579,648. TUBING CLAMP. CHARLES S. CRICKMER, Dallas, Tex., assignor to the Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Sept. 27, 1924. Serial No. 740,294. 8 Claims. (Cl. 285—22.)



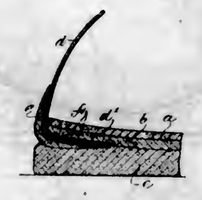
1. In a tubing clamp, complementary members, packing sectors mounted in said members, toothed slips mounted in the members and resting upon said sectors, and a laterally disposed cover enclosing the slips and extended from the upper ends of said members to engage the tubing.

1,579,649. CHRISTMAS-TREE-LIGHTING OUTFIT. CHARLES P. CUSHWAY, Chicago, Ill., assignor to All-American Radio Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1925. Serial No. 36,575. 3 Claims. (Cl. 240—10.)



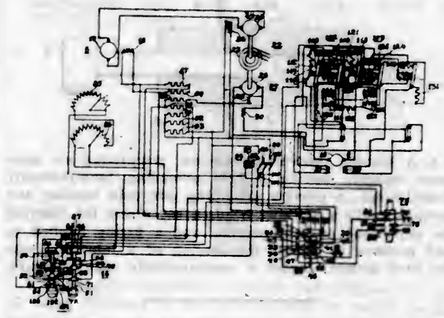
1. In a Christmas tree lighting outfit, a casing, a tree holder in said casing, a plurality of sockets mounted on said casing, a plurality of cords, incandescent light bulbs connected in series through each cord, a connector for each cord cooperating with said sockets, and a plurality of flood lights mounted in said casing.

1,579,650. MANUFACTURE OF CANVAS-UPPER SHOES. DAVID A. CUTLER, Quincy, Mass., assignor to Alfred Hale Rubber Company, Atlantic, Mass., a Corporation of Massachusetts. Filed June 30, 1925. Serial No. 40,493. 3 Claims. (Cl. 36—14.)



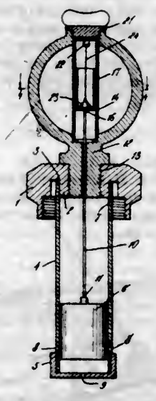
1. A canvas-upper shoe having an insole, an unvulcanised crepe rubber outer sole secured to the insole, a fabric upper, an unvulcanized crepe rubber protective strip, and a film of thickened latex uniting the unvulcanised protective strip to the fabric upper and the edge of the sole.

1,579,651. CONTROL SYSTEM. ROBERT C. DEALE, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 20, 1923. Serial No. 669,747. 11 Claims. (Cl. 172—240.)



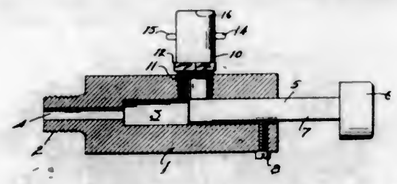
1. In a control system, the combination with a main motor, a feed motor, a motar-generator set for supplying current to the main motor, and an exciter generator operated by said set for supplying current to the feed motor, of an automatic switch for controlling the main motor and the feed motor, a portable switch having two switch members for respectively controlling the feed motor and the main motor at will, and means for preventing the controlling of said motors by the automatic switch when either member of the portable switch is operated.

1,579,652. AUTOMOBILE ACCESSORY. VINTON V. DETWILER, Augusta, Me. Filed Apr. 8, 1925. Serial No. 21,563. 9 Claims. (Cl. 265—45.)



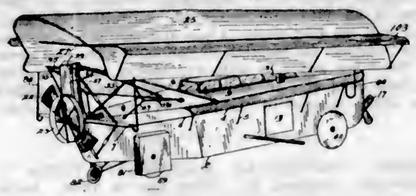
1. An attachment for automobile radiators comprising a radiator closure cap, a hydrometer operatively mounted on said cap and comprising a float located below the cap, an indicator operated by the float and located above the cap, means exerting downward pressure on the float throughout the movement of the float above a predetermined point, and means to render said last named means ineffective throughout the movement of the float below such point.

1,579,653. BEARING-OBSTRUCTION EJECTOR. PHILLIP R. DIERINGER, San Francisco, Calif, assignor to Milton A. Frank, San Anselmo, Calif. Filed Oct. 28, 1924. Serial No. 746,324. 2 Claims. (Cl. 184—105.)



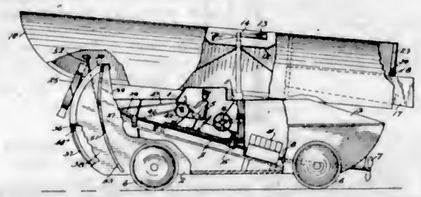
1. A bearing obstruction ejector, comprising an elongated member having a hole extending longitudinally therethrough, a plunger extending into said member and provided with a striking head, a set screw for limiting the movement of said plunger and a fitting applied to said member to permit the forcing of a lubricant into the first member under a comparatively high pressure.

1,579,654. COMBINATION AIR, LAND, AND WATER PLANE. AUGUSTUS J. HARPSTRITE, Los Angeles, Calif., assignor of one-half to Frederick A. Harpstrite, Los Angeles, Calif. Filed Nov. 12, 1924. Serial No. 749,495. 16 Claims. (Cl. 244—2.)



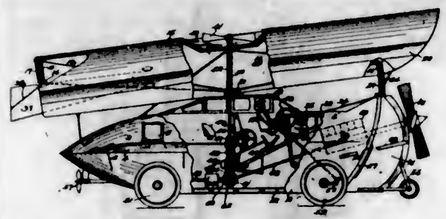
1. A combined land, air and water vessel including a boat body having front steering wheels, rear running wheels, means in the body for operating the steering wheels for land travel, fixed side planes along the body, a main flying plane of concaved under face lying longitudinally over and along the boat, means for tilting the plane longitudinally to vary the angle of incidence, and a rudder for aerial flying.

1,579,655. COMBINED AIR, LAND, AND WATER CRAFT. AUGUSTUS J. HARPSTRITE, Los Angeles, Calif., assignor of one-half to Frederick A. Harpstrite, Los Angeles, Calif. Filed Jan. 27, 1925. Serial No. 5,127. 9 Claims. (Cl. 244—25.)



1. An aerial craft including a body provided at its nose with a curved guide-way, a curved slide operating along the guide-way and having a bearing, a tractor propeller shaft extending through the guideway and the bearing in the slide, and a propeller mounted on said shaft and disposed close to the bearing; whereby to eliminate whipping action of the forward end of the said shaft.

1,579,656. AIR, LAND, AND WATER CRAFT. AUGUSTUS J. HARPSTRITE, Los Angeles, Calif., assignor of one-half to Frederick A. Harpstrite, Los Angeles, Calif. Filed Apr. 28, 1925. Serial No. 26,482. 9 Claims. (Cl. 244—14.)

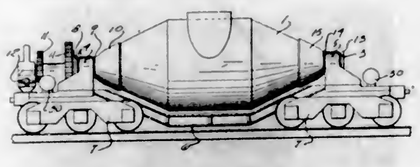


2. A flying craft having a motor trunnioned transversely and having its shaft extended, a propeller fixed on the shaft and a slide in which the shaft has a bearing and by which the angle of the shaft may be varied and a remote control, locking means to set the slide.

1,579,657. ROLLER GUIDE FOR FLAP CUTTING AND BUILDING MACHINES. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1924. Serial No. 744,777. 3 Claims. (Cl. 271—2.1.)

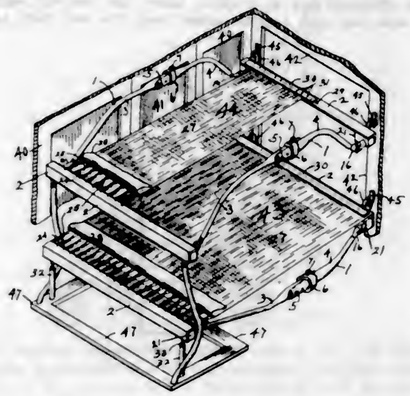
1. Fabric strip guiding means for the purpose described, comprising a pair of rollers journaled to rotate about parallel axes, and a roller journaled to rotate about an axis perpendicular to said axes and hving its periphery closing the space between the parallel rollers, said last named rollers being spaced apart a distance corresponding to the fabric strip, whereby the rollers contact with opposite faces of the fabric and any wrinkling of the same or curling of its guiding edge is prevented.

1,579,658. CAR-WEIGHING SCALE. JOHN D. PUGH, Mount Washington, Md. Filed July 18, 1921. Serial No. 485,419. 20 Claims. (Cl. 265—40.)



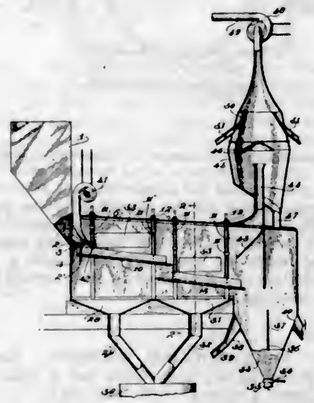
1. The combination with a car body, of a wheeled supporting means therefor, means for moving the car body relative to said supporting means, means for weighing said car body when either fixed or moving with respect to said supporting means, and means for taking up longitndinal thrusts on said car body to avoid transmitting the same to said weighing means.

1,579,659. KNOCKDOWN BED. CHARLES G. READ, Buffalo, N. Y. Filed Aug. 26, 1922. Serial No. 584,417. 4 Claims. (Cl. 5—118.)



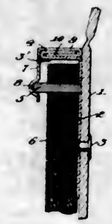
1. A knock-down bed consisting of a frame, including two end cross pieces and two side members, a body support connected with said end cross pieces, and means for supporting said frame at an elevation, one of said side members being bent away from the plane of said body support, and holding ends of cross pieces in spaced relation, said last mentioned slide member comprising two longitudinal parts, means for releasably forming a rigid joint between said longitudinal parts, other means at each end of said side member for joining a longitudinal part to an end of a cross piece, said last mentioned means including a bolt fixed to said end of said cross piece, a stem fixed to said last mentioned longitudinal part, said bolt and said stem being pivoted together, whereby said longitudinal parts may be turned against their connected cross pieces, when said parts are disjointed for folding purposes.

1,579,660. COMBINED JIG AND ASPIRATOR. JAMES F. REILLY, Tucson, Ariz., assignor of one-half to John A. Forney, Tucson, Ariz. Filed Mar. 2, 1925. Serial No. 12,641. 9 Claims. (Cl. 209—20.)



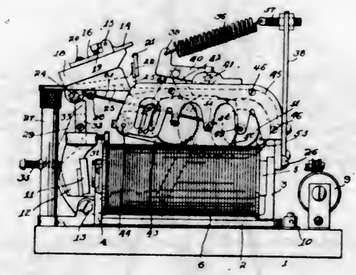
1. A combined jig and aspirator including a hopper and a vibratory jig, a blower adapted to supply air under slight pressure over the jig for carrying off the gangue, the mouth of said blower being arranged forward of the hopper and just over the jig and of substantially the same width as the jig, and a casing enclosing the apparatus.

1,579,661. BINDER. CHARLES MICHAEL RICHARDSON, Indianapolis, Ind. Filed Sept 2, 1924. Serial No. 735,379. 4 Claims. (Cl. 129—23.)



1. A binder comprising coacting jaw-components, one of which includes a body-portion and an angle portion bent upon itself to constitute a clip, the other jaw-component likewise including a body-portion and an angle portion bent upon itself and constituting a clip, the two clips having an interlocking engagement and being slidable one upon the other, and coacting means on these components for holding a plurality of leaves.

1,579,662. ELECTRICAL TIME SWITCH. JOHN J. RUDDICK, West Newton, Mass., assignor to General Street Signal Corporation, Rochester, N. Y., a Corporation of New York. Filed Feb. 24, 1922. Serial No. 538,961. 9 Claims. (Cl. 200—97.)

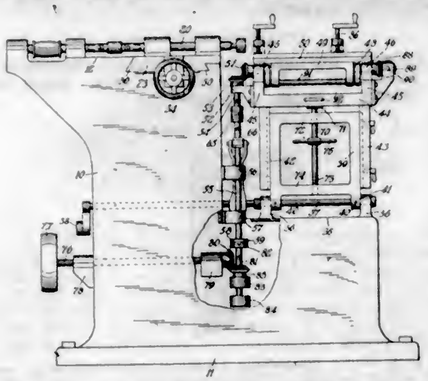


1. A time switch comprising switch contacts, an electromagnet having a pivoted armature, a detent for closing one of the switch contacts having a movement relatively to the armature and moved by the armature to close the switch, a swinging motor member, a link pivotally connected to the swinging motor member and to the armature for causing the motor member to be moved in one direction when the armature is attracted by the electromagnet to effect the closing of the switch, a spring for moving said swinging motor member in the opposite direction, and a retarding mechanism geared to the teeth of the swinging motor member.

1,579,663. TENON-MILLING MACHINE. FRED SCHLATTERER, New York, N. Y. Filed Oct. 27, 1925. Serial No. 65,066. 5 Claims. (Cl. 144—198.)

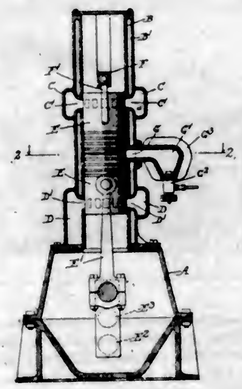
1. A tenon forming machine comprising a base having two surfaces, one above the other, said surfaces being mutually adjacent, a pair of spindles mounted on the upper surface, means for varying the distance between said spindles in a horizontal plane, cutters on said spindles, means for swinging tenon pieces around the periphery of the cutters comprising a table, a bed plate

below said table, means supported on said bed plate for moving said table in a circular path around the axes of said cutters, means for tilting said table and bed



plate, means for driving said table in a circular path, and means for disengaging the driving means simultaneously with the tilting of the table.

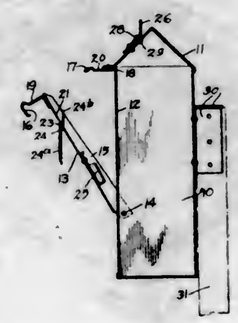
1,579,664. SEPARATE COMBUSTION CHAMBER FOR DOUBLE-PISTON ENGINES. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Aug. 19, 1921. Serial No. 493,612. 3 Claims. (Cl. 123—51.)



1. Means for creating turbulence in the cylinder of a double piston internal combustion engine comprising a combustion chamber additional to and communicating through a restricted throat with the cylindrical portion of the cylinder, said pistons adapted during their compression stroke to force substantially all of the air into said combustion chamber from the cylindrical portion of the cylinder to cause turbulence, said combustion chamber shaped so as to promote regular eddying of the charge of air so forced into it.

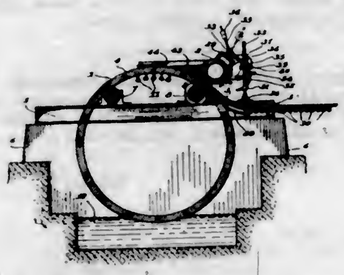
1,579,665. MAIL BOX. SOL C. SHERRY, West Englewood, N. J. Filed Oct. 11, 1923. Serial No. 667,860. 1 Claim. (Cl. 232—17.)

A mail box comprising an elongated rectangular body portion, a peaked cap fixed to the upper end of said body to form the top thereof and to support a signal and door latch, a mounting member provided with bendable post engaging means secured to the rear of said body and serving to support the whole, an opening in the front of said body portion extending from a point adjacent the aforesaid cap to a point below the vertical center of said box and a cover wider than the box body and



longer than said opening, said cover having rearwardly turned side flaps embracing the body sides and serving as hinges for the cover, said cover also provided with a flap closed mail insertion slot, a coin receptacle, and means of engaging the aforesaid latch on said cap, the whole cooperating to form a box of the character described.

1,579,666. APPARATUS FOR MAKING SHEET GLASS. LEE SHOWERS, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,467. 17 Claims. (Cl. 49—33.)

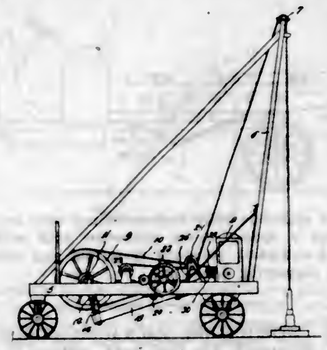


1. In combination in apparatus for making sheet glass, a casting table in the form of an annular shell of large diameter, roller means for supporting said shell for rotation, a driven sizing roll in opposition to the periphery of the shell positioned so as to provide between the shell and roll a pocket for receiving the molten glass to be rolled, end walls for the said pocket, and a runway for receiving the ribbon or sheet of glass formed between the shell and sizing roll.

1,579,667. WELL-DRILLING MACHINE. ALBERT B. SIDES, Potter Valley, Calif. Filed Oct. 5, 1925. Serial No. 60,560. 4 Claims. (Cl. 255—11.)

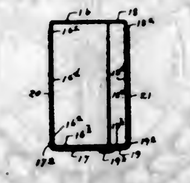
1. A well drilling machine including a frame, an underslung walking beam mounted on the frame, means associated with one end of the walking beam for rocking the same, a resilient inverted V-shaped bracket having

one end fixed adjacent the other end of the walking beam, a spring, a block fixed to the under edge of the walking beam adjacent the attachment of the arm of



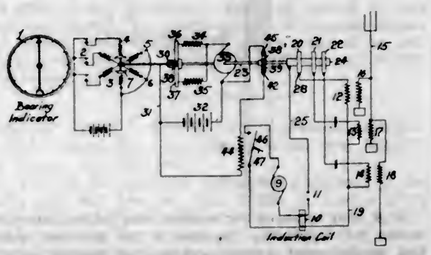
the bracket thereto, said spring having one end fixed to the block and the other end engageable with the other end of the bracket, and a wheel journaled in the apex of the bracket.

1,579,668. SUITCASE. MAX SPELMAN, Brooklyn, N. Y. Filed Dec. 4, 1925. Serial No. 73,225. 3 Claims. (Cl. 190—53.)



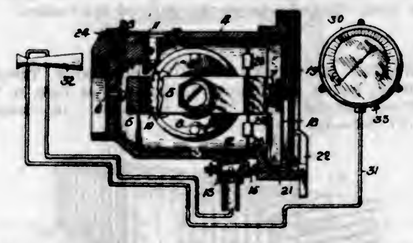
3. In a covering for a suitcase having a substructure of rigid material with rounded edges at the junction of the front thereof with the end faces thereof, strips of covering for the front and end faces of said substructure, flanges on the outer edges of said strips, formed integrally therewith and extending over said substructure into the top and bottom thereof, and cover plates on said top and bottom, stitched to said flanges through the material of said substructure at said top and bottom, thereby securing said strips along said flanges to said substructure.

1,579,669. WIRELESS REPEATER SYSTEM. ELMER A. SPERRY, Brooklyn, N. Y. Original application filed Mar. 12, 1920. Serial No. 365,144, Patent No. 1,428,507, dated Sept. 5, 1922. Divided and this application filed Aug. 21, 1922, Serial No. 583,084. Renewed May 9, 1925. 9 Claims. (Cl. 250—2.)



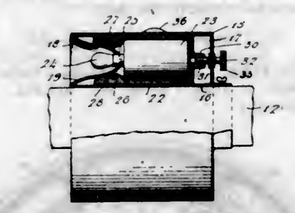
5. In combination, a repeater motor, a bearing indicator actuated thereby, and wireless controlled means for actuating said motor.

1,579,670. MEANS FOR DETERMINING RANGE. LAWRENCE B. SPERRY, Farmingdale, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 13, 1921. Serial No. 460,933. 5 Claims. (Cl. 23—1.)



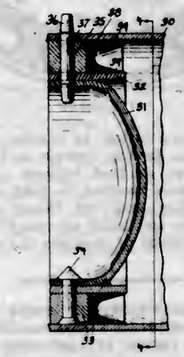
1. In an instrument for indicating the radius of curvature of the arc of travel of a movable element, means responsive to angular velocity of said element and an indicator actuated by said means, said instrument having a scale graduated to indicate the radius of curvature.

1,579,671. SEARCHLIGHT ATTACHMENT FOR RIFLES. RUDOLPH C. G. STAATS-OBLS, Brooklyn, N. Y. Filed Nov. 3, 1924. Serial No. 747,455. 4 Claims. (Cl. 240—6.4.)



3. In a device of the class described, a barrel, an annular channel-shaped casing mounted on said barrel, an annular channeled cup mounted in said casing to be adjustable therealong, a series of lamp bulbs mounted in said cup, a channeled annular reflector in which said lamp bulbs are positioned, and means for varying the curvature of said reflector.

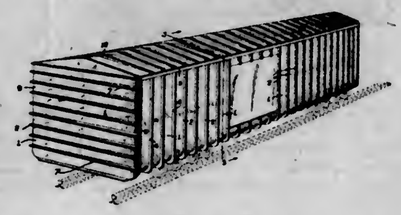
1,579,672. CLOSURE. FRED M. STRECKER, Akron, Ohio. Filed May 19, 1925. Serial No. 31,346. 1 Claim. (Cl. 220—46.)



Apparatus of the class described, including a pressure container having an opening therein, a loose quick-detachable cover for said opening, a gasket of flexible material

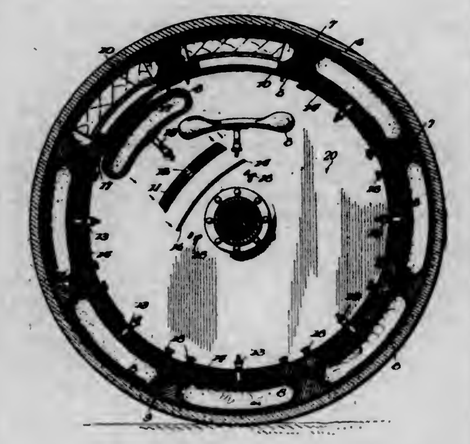
formed with spaced webs, and a seat for the gasket on the container about the opening whereby pressure of the medium in the container will urge the webs apart respectively against the seat and the closure, to form a seal between the container and the closure; said gasket not being clamped between the seat and the closure.

1,579,673. METAL CAR BODY. FREDERICK TENCH, White Plains, and MAURICE LACHMAN, New York, N. Y. Filed Jan. 30, 1925. Serial No. 5,709. 10 Claims. (Cl. 105—404.)



1. A metal car body having its sides and floor integral and composed of an assemblage of U-shaped channel members disposed transversely of the body and secured together by their flanges, the legs of the U's forming the side walls of the car and the bases or bottoms of the U's together forming the floor.

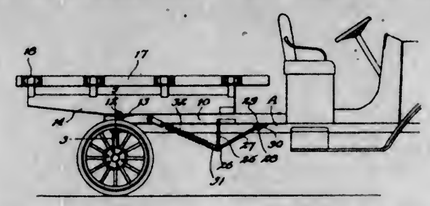
1,579,674. TIRE. ANTONIO TERESA, Habana, Cuba. Filed Nov. 6, 1923. Serial No. 673,142. 1 Claim. (Cl. 152—22.)



A tire comprising a casing, an annular series of spaced yieldable end blocks having recesses, and separate pneumatic tube sections confined between said blocks and having rounded ends received in said recesses, and a covering surrounding said end blocks and said pneumatic tube sections and being permanently connected to said end blocks whereby to maintain the blocks in spaced relation.

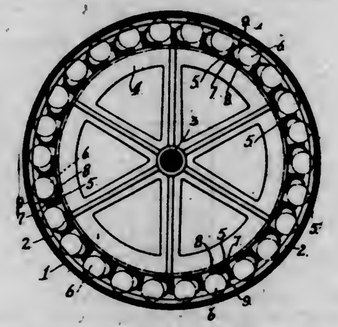
1,579,675. DUMPING-TRUCK BODY. DOCTOR C. THOMAS, Aberdeen, N. C. Filed Jan. 21, 1924. Serial No. 687,600. 1 Claim. (Cl. 298—38.)

In a dumping truck, the combination of a supporting frame work, a dump body pivoted thereon to swing vertically, and latch mechanism comprising vertical latch carrying arms, a horizontal rock shaft carrying said arms, a horizontally movable operating lever pivoted to the supporting frame, a link extending rearwardly



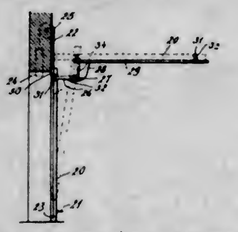
from said operating lever and connected with said rock shaft, and a spring device connected with said rock shaft and extending rearward therefrom and connected with the supporting frame.

1,579,676. STERILIZING PACKAGED GOODS. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Sept. 16, 1925. Serial No. 56,645. 24 Claims. (Cl. 126—272.)



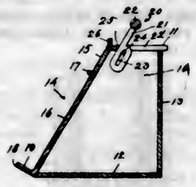
1. A sterilizer for packaged goods having a package path; means for passing the packages continuously through said path; and means in said path, operative in successive zones thereof, for subjecting said packages in one zone to movement independent of and without interruption to their movement through the path, and holding them in another zone against said independent movement without interruption to their movement through the path.

1,579,677. DOOR MECHANISM. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Sept. 30, 1922. Serial No. 591,510. 28 Claims. (Cl. 20—19.)



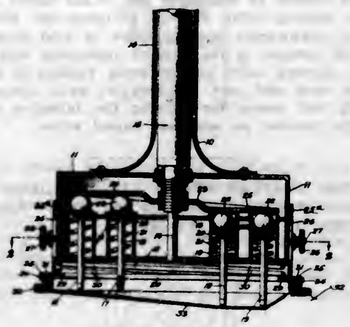
1. A door arranged for vertical and lateral movement, means for supporting the door in all positions thereof and supplemental means engaging and movable with the door for guiding the door through its initial movement from vertical to inclined position.

1,579,678. PORTABLE READING DESK. RUSSELL R. WADE, Venice, Calif. Filed Jan. 3, 1928. Serial No. 610,429. 1 Claim. (Cl. 45—69.)



A portable reading desk, comprising a receptacle having one of its sides arranged on an incline and having formed on its top a pair of transversely disposed slots, a combined book rest and handle provided with side bars projecting in the slots of the desk top and having slots formed in their inwardly projecting ends, and a hinge rod passing through the slots in the side bars of the combined book rest and handle secured to said desk.

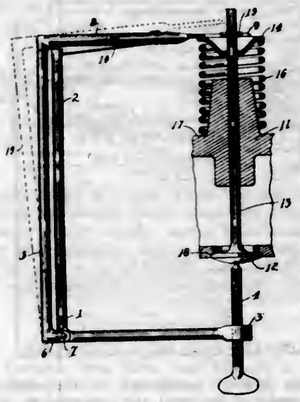
1,579,679. MASSAGE DEVICE. WILLIAM WAHRT, Brooklyn, N. Y. Filed Oct. 10, 1924. Serial No. 742,881. 2 Claims. (Cl. 128—51.)



1. A massage apparatus comprising a casing, a driven shaft having one end extending into said casing, a series of plungers mounted for reciprocating movement within said casing, the free ends of said plungers extending beyond the casing, a flexible strip positioned over the free ends of said plungers, a cam disk carried by said shaft and operable for compressing said plungers against said flexible strip, a collar adjustably mounted on said casing, and removable means for attaching said flexible strip to said collar.

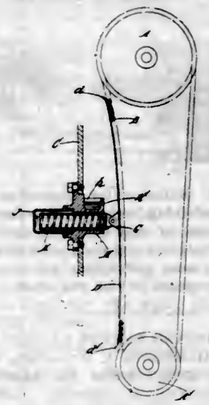
1,579,680. TOOL. EDWARD G. WALDEMAR, Hollister, Calif. Filed Dec. 15, 1924. Serial No. 756,074. 1 Claim. (Cl. 29—86.3.)

A tool of the character described comprising a rod having one end bent at right angles to form a pivot arm and the other end bent at right angles into parallel relation to said first mentioned end and forked to engage a valve stem, a spring element mounted on said last mentioned end adjacent to said forked portion but directed away therefrom, and a bell crank having a screw mounted in the end of one arm and pivotally mounted at the apex of the angle formed by its two arms to the pivot arms on said first mentioned rod whereby its



other arm will normally lie close to and in parallel relation to the first mentioned rod with its end in engagement with said spring element.

1,579,681. MEANS FOR TRANSMITTING MOTION. JOHN WELLER, Great Bookham, England. Filed Dec. 23, 1924. Serial No. 757,617. 10 Claims. (Cl. 64—5.)

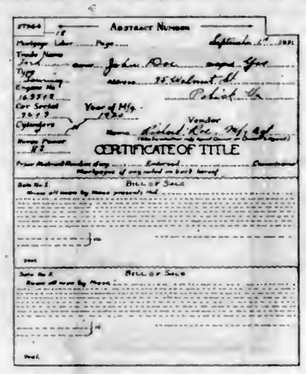


10. A device for taking up the slack in a motion transmitting chain comprising a thin flexible member having its extremities unsupported, a hollow plunger pivoted to said member midway of its length, a stationary oil-containing cylinder in which said hollow plunger slides, a helical spring for pressing said hollow plunger and said member continuously outward against the chain, means for restricting the flow of the oil from said oil-containing cylinder and an open-ended oil receptacle communicating with said cylinder for receiving and supplying additional oil to said oil-containing cylinders.

1,579,682. ABSTRACT TITLE AND METHOD OF FORMING THE SAME. GEORGE W. WERUM, Marshalltown, Iowa. Filed Sept. 11, 1923. Serial No. 662,055. 2 Claims. (Cl. 283—60.)

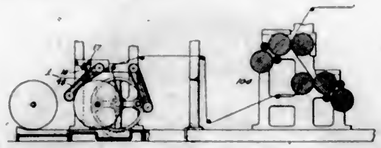
1. In a device of the character described, in combination a record book page having appropriately desig-

nated spaces for the entry of certain data, a certificate sheet having similar blanks adapted to be alined with those of the page, and having a detachable numbered part



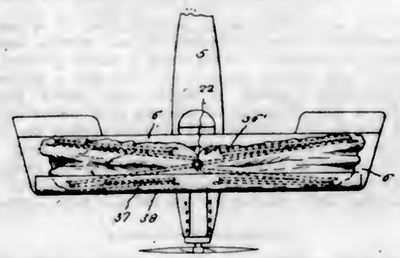
coated with adhesive connected to the sheet body by marginal weakened material and arranged to be detached in a predetermined form by separation of the certificate from the page to which it is attached thereby.

1,579,683. SPEED-INDICATING MECHANISM FOR ROLL CHANGERS AND THE LIKE. BRUCE C. WHITE, New York, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 25, 1923. Serial No. 659,270. 10 Claims. (Cl. 88—14.)



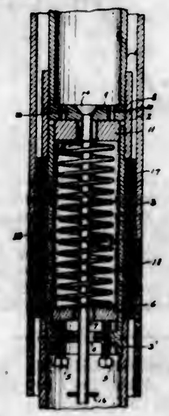
1. In a speed indicator for indicating the relative speeds of two revolving elements, a supporting arm, a disk driven by one of the elements and supported by the arm, a disk driven by the other of the elements and supported by the arm, and means for visually detecting variations in the speeds of the two disks.

1,579,684. RESISTING SAFETY LANDER FOR AERIAL MACHINES. HASBROUCK J. WILLIAMS, Brevard, N. C. Filed Sept. 3, 1925. Serial No. 54,288. 2 Claims. (Cl. 244—21.)



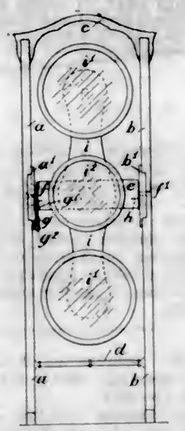
1. In combination, an aerial vehicle, including a fuselage, and a plane, a tubular casing extending upwardly from the fuselage through the plane, a rod slidable in the tubular casing, spring means normally holding said rod extended, buffer means associated with said rod, a head on the upper end of said rod, arcuate ribs extending from said head formed in foldable sections, means normally holding said sections extended, means for folding the sections, a cover associated with the sections.

1,579,685. BAILER FOR WELLS. SADIE C. WINFREY, Dayton, Tex. Filed May 22, 1925. Serial No. 32,141. 8 Claims. (Cl. 166—19.)



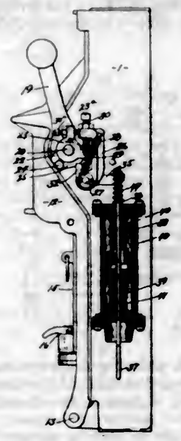
8. A bailer for wells including a barrel whose lower end is provided with a valve seat and a drain port, a housing carried by the lower end of the barrel, an upwardly opening valve adapted to co-operate with said seat, a downwardly opening valve in said housing, a yieldable member in the housing sustaining said downwardly opening valve and normally holding it in position to close said port, a sleeve-like swab around said housing and means for varying the influence of said yieldable member on said last named valve.

1,579,686. DISPLAY STAND. ARTHUR GARNER YORK, London, England. Filed Apr. 15, 1924. Serial No. 706,639. 11 Claims. (Cl. 211—24.)



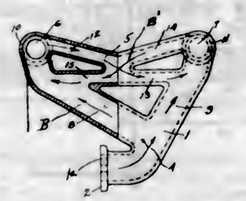
1. A display stand comprising a frame-work having upright members, an open space in said framework between said upright members, a single horizontal cross bar pivotally mounted across said open space and between said upright members, arms mounted on said cross bar and transversely of said cross bar, said arms being directly pivoted on said cross bar and adapted to be partly rotated on said cross bar, and carriers fixed in position upon and relatively to said arms, said cross bar being itself partly rotatable about its horizontal axis to bring it from a position in which the carrier-fitted arms are horizontal, to a position in which said arms are in a vertical position in the open space between said upright members.

1,579,687. SWITCH-OPERATING MECHANISM. CARL H. BISSELL, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Oct. 23, 1923. Serial No. 670,883. 10 Claims. (Cl. 200—17.)



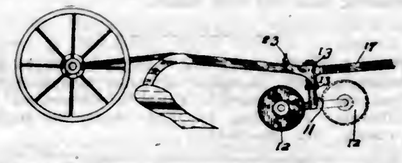
1. In a switch mechanism, the combination of a movable member and operating mechanism therefor comprising a handle and motion transmitting means between the handle and the switch member and locks coacting respectively with the motion transmitting member and with the handle, said locks being movable automatically into their operative positions and the handle having means for tripping the lock of the motion transmitting member.

1,579,688. INTAKE MANIFOLD. WALTER J. BLIFFERT, Milwaukee, Wis. Filed Oct. 29, 1923. Serial No. 671,556. 6 Claims. (Cl. 123—52.)



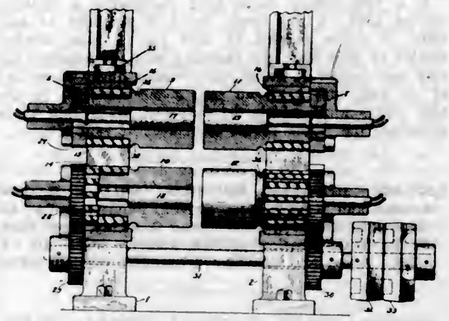
1. In a device of the character described, an intake manifold having a plurality of divergent ducts, and auxiliary ducts connecting said divergent ducts, said auxiliary ducts being interconnected and constricted intermediate their ends.

1,579,689. CASTER-WHEEL BRACKET. LEON W. CHASE, Lincoln, Nebr., assignor to Chase Plow Company, Lincoln, Nebr., a Corporation of Nebraska. Filed May 14, 1925. Serial No. 30,371. 6 Claims. (Cl. 280—84.)



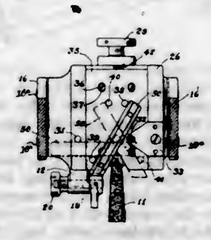
1. A draft beam, a caster wheel bracket rigidly secured thereto, a second draft beam pivotally secured to said caster wheel bracket, and a yoke integral with said caster wheel bracket, said yoke straddling said second draft beam at a point remote from the pivotal connection of said second draft beam and said caster wheel bracket.

1,579,690. RECEPTACLE-SEALING MACHINE. EDWIN J. CONLEY, New York, and EDWARD J. WHALEN, Howard Beach, N. Y., assignors to The Conley Foil Company, New York, N. Y., a Corporation of New York. Filed May 29, 1922. Serial No. 564,554. 9 Claims. (Cl. 113—59.)



1. A receptacle sealing machine which comprises a linearly separated pair of rollers provided with heating means; sliding blocks carrying said rollers, each block having an independent adjusting means for positioning the rollers; and a second pair of linearly separated rollers lying in substantially the same plane as the first pair and opposite thereto.

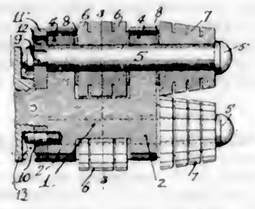
1,579,691. DRESSING ATTACHMENT FOR GRINDING WHEELS. HENRY E. DURKEE, Glastonbury, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 20, 1922. Serial No. 538,018. 9 Claims. (Cl. 125—11.)



1. A truing attachment for screw thread grinding machines comprising in combination, a body member adapted to be pivotally mounted whereby it may be

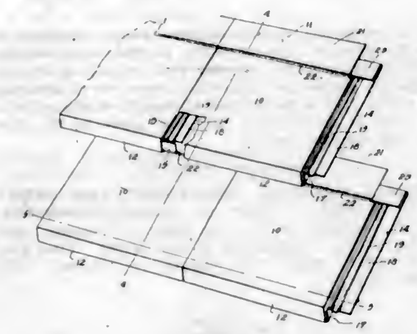
awung into and out of operative position adjacent a grinding wheel, and guiding means for a dressing tool thereon whereby a dressing tool may be guided to true a plurality of surfaces of said wheel, said guiding means comprising obliquely disposed pairs of pins outstanding from said body member.

1,579,692. TUBE CLEANER. WILLIAM ERNST, San Francisco, Calif., assignor to Atlas Manufacturing Company, San Francisco, Calif., a Corporation of California. Filed Aug. 18, 1925. Serial No. 50,895. 5 Claims. (Cl. 15—104.14.)



1. A tube-cleaner cutter-head comprising a radially slotted body; a pin freely fitted in the slot of said body; a cutter carried by said pin; a stop member carried by said body and engaging said pin adjacent the rear end thereof to arrest the forward linear movement of the pin; and a second stop member carried by the body and against which the rear end of the pin abuts to absorb the linear thrust movement of said pin.

1,579,693. METALLIC SHINGLE. WILLIAM H. FINKELDEY and WILLIS MCG. PEIRCE, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 4, 1923. Serial No. 629,753. 3 Claims. (Cl. 108—17.)



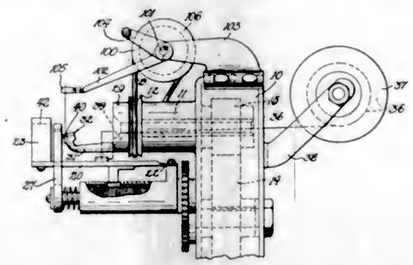
1. A shingle comprising a main body portion and extensions carried by the top and side edges thereof, one of the side extensions comprising a U-shaped groove gradually increasing in depth and a laterally disposed flange, the other side extension being bent to form a downwardly extending flange of correspondingly increasing height, said top extension and the top portion of one of said side extensions being bent forwardly and the top then being bent backwardly on a line with the lower edge of the forwardly bent portion of the side extension.

1,579,694. TYPEWRITER TYPE. OSKAR FISCHER, Berlin-Friedenau, Germany, assignor to Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Filed Jan. 2, 1924. Serial No. 684,077. 2 Claims. (Cl. 101—398.)

Maschinenschrift

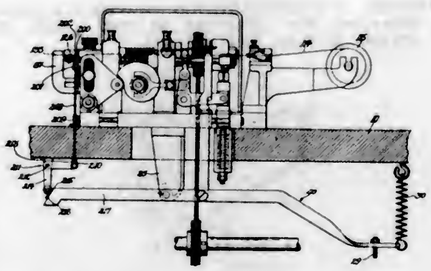
1. A type font for typewriters comprising types which are all of the same width and of substantially the same face area.

1,579,695. METHOD OF WHIPPING CORES WITH STRAND MATERIALS. BEN KING FORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1924. Serial No. 733,459. 7 Claims. (Cl. 242—7.)



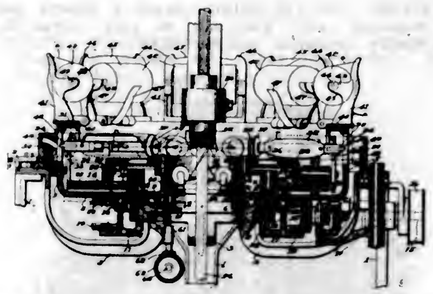
1. A method of whipping a core with a strand, which consists in holding the end of the strand away from the core, whipping a turn of the strand about the core, causing a relative movement between the end of the strand and the core in such a manner that the end of the strand extends over the applied turn longitudinally of the core, and thereafter continuing the whipping, covering the end of the strand to retain it in position.

1,579,696. APPARATUS FOR AND METHOD OF WHIPPING CORES WITH STRAND MATERIAL. BEN KING FORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 735,230. 11 Claims. (Cl. 242—7.)



1. In a mechanism for whipping a core with a strand, means for whipping the strand around the core, and means carried by said whipping means for cooperating with the strand to form a loop in the end of the strand in position to be lapped by the whipping portion of staid strand.

1,579,697. BRAIDING MACHINE. OTTO A. FREDERICKSON, Wethersfield, Conn., assignor to The American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 18, 1925. Serial No. 24,201. 15 Claims. (Cl. 96—3.)

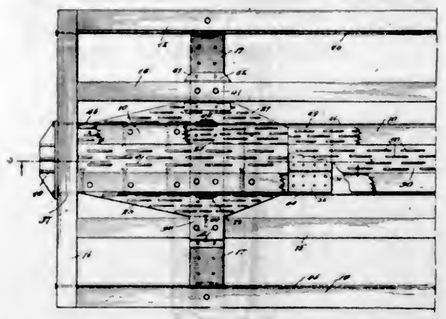


2. In a braiding machine, the combination of an outer revolving drum having outer yarn carrier supports, a series of inner yarn carriers having a race-way, a fixed central drum about which the outer revolving drum rotates and having a central well and an annular wall that is spaced inwardly from the outer revolving drum only to a sufficient extent to provide a race-way for the inner carriers between the two drums, and means for traveling the outer yarn carriers and inner yarn carriers in circular paths in opposite directions.

1,579,698. CLEANING COMPOUND. ANNA L. GACOND, Washington, D. C. Filed May 7, 1925. Serial No. 28,737. 1 Claim. (Cl. 87—5.)

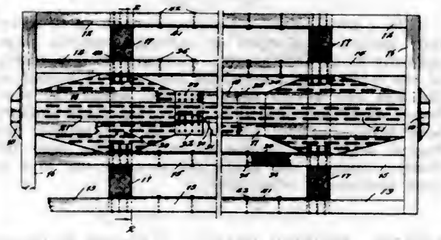
A cleaning paste embodying water eight pints, soap two pounds, feldspar two pounds, creolin a half ounce and household ammonia two ounces.

1,579,699. CENTER-SILL REENFORCEMENT. JOHN P. GALLAGHER, Jersey City, N. J., assignor to Magor Car Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 12, 1924. Serial No. 698,738. 34 Claims. (Cl. 105—414.)



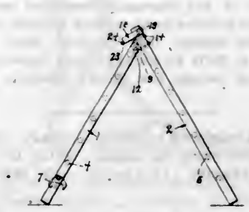
1. In a car underframe, the combination of a pair of center sills, a pair of intermediate sills, a pair of side sills, an end sill and a bolster, of a reenforcement comprising a strucural unit having a central part fitted between the center sills to reenforce the same, having outstanding flanges constituting gusset plates on each side of the center sill, overlapping the bolster, and extending longitudinally therefrom to the end sill to form strain braces, and means for tying the gusset plates to the vertical sides of the intermediate sills whereby the unit acts as a spacing member for securing the intermediate sills in fixed relation to the center sills and whereby both the center and intermediate sills are united and mutually reenforced.

1,579,700. INTERMEDIATE-SILL REENFORCEMENT. JOHN P. GALLAGHER, Jersey City, N. J., assignor to Magor Car Corporation, New York, N. Y., a Corporation of Delaware. Filed May 16, 1924. Serial No. 713,679. 14 Claims. (Cl. 105—420.)



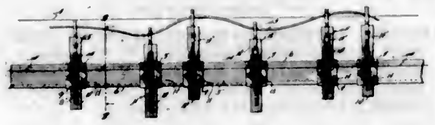
1. In a car underframe, the combination of a pair of center sills, a pair of intermediate sills, a pair of side sills, and end sill and a bolster, of a reenforcement comprising a structural unit having a central part fitted between the center sills to reenforce the same, having outstanding flanges constituting gusset plates on each side of the center sill, overlapping the bolster, and extending longitudinally therefrom to the end sill to form strain braces, means for tying the gusset plates to the vertical sides of the intermediate sills whereby the unit acts as a spacing member for securing the intermediate sills in fixed relation to the center sills and whereby both the center and intermediate sills are united and mutually reenforced and metallic means secured by said tying means and engaging the intermediate sills from said bolster towards the center of the car for reenforcing the intermediate sills.

1,579,701. LADDER. EDWARD F. GIVENS, Lankershim, Calif., assignor to Lankershim Ladder Company, Lankershim, Calif. Filed Oct. 9, 1924. Serial No. 742,546. 7 Claims. (Cl. 228—18.)



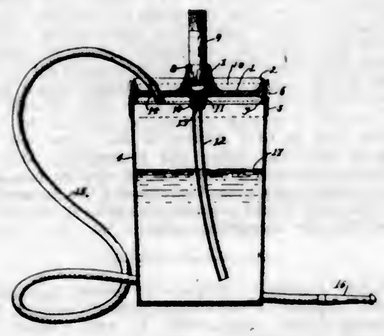
1. A combination extension, stair, and step ladder comprising two separable units longitudinally slidable relative to each other for use as an extension ladder, means for maintaining the units in sliding engagement when in use as an extension ladder, means for positively locking the said units together when in use as a step ladder, said means comprising a pair of locks having slotted rotatable barrels and means for securing the said locks to the side rails of one of said units, and means secured to the other of said units and adapted to fit within the slots in the said barrels and to rotate the said barrels when said units are spread to form a step ladder.

1,579,702. RULER. OTTO GOTTSCHALK, Buenos Aires, Argentina. Filed May 9, 1923. Serial No. 637,872. 5 Claims. (Cl. 33—176.)



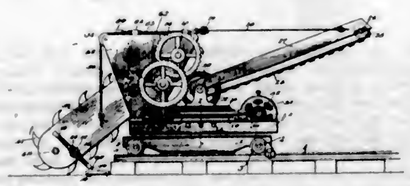
1. In a device of the character described, an elongated body portion, a plurality of carriages movable longitudinally of the body portion, bars movable transversely of the carriages and supported thereby, ribs formed on the bars and having ends extended beyond the bars, fingers on the extended ends of the ribs, a substantially wide flexible member adapted to be held between the fingers, said bars adapted to be moved to bend the flexible member, and means for securing the bars in their positions of adjustment.

1,579,703. SMOKING DEVICE. ALEXANDER D. GRANT, San Jose, Calif. Filed Mar. 17, 1925. Serial No. 16,182. 2 Claims. (Cl. 131—12.)



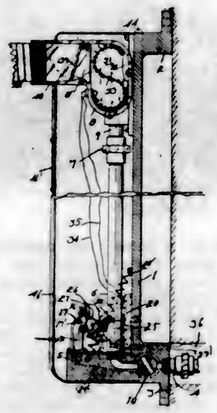
1. A device of the character described comprising a disc, a resilient annular band carried thereby and adapted to overlap and engage the receptacle upon which the disc is placed to form an airtight joint therebetween, and tobacco holding means and smoke conduits carried by said disc.

1,579,704. MINING MACHINE. HARRY LUTE GROW, Fairbanks, Territory of Alaska. Filed Dec. 16, 1924. Serial No. 756,300. 12 Claims. (Cl. 198—12.)



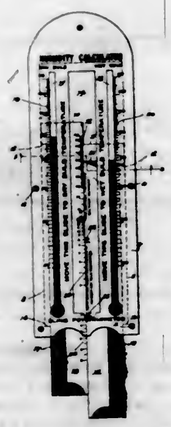
2. A mining machine having a main frame, a supporting frame mounted on top thereof having a shape to define a hood, an elevator having the discharge end extending into the hood, and driving means for the elevator including a train of gearing situated outside of the hood thereby being protected from material escaping from the elevator.

1,579,705. HOT-AIR DRIER. ELMER S. HEWITT, San Francisco, Calif. Filed Aug. 20, 1924. Serial No. 733,078. 7 Claims. (Cl. 34—26.)



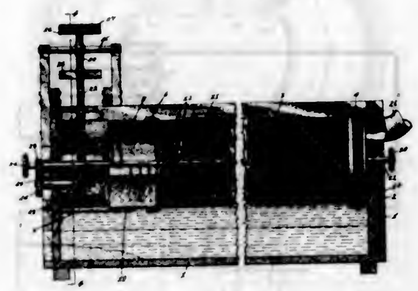
7. A hot air drier comprising a casing, electric heating coils therein, a compressed air passage leading to and from said coils, a valve to control the air, manual means to fully open the valve and means to allow the valve operating mechanism to move an uncertain distance further without changing the position of the valve and without injury thereto.

1,579,706. CALCULATING DEVICE. WILLIAM B. HODGE, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Dec. 23, 1922. Serial No. 608,634. 7 Claims. (Cl. 235—70.)



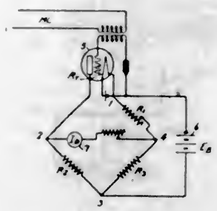
1. A calculating device for determining relative humidity from the readings of wet and dry bulb thermometers, comprising in combination two longitudinally and relatively movable slides, one carrying a logarithmically divided scale of relative humidity and the other a coacting index; and means for setting said slides, one according to the wet and the other according to the dry bulb thermometer readings, comprising logarithmically divided temperature scales and coacting indices.

1,579,707. FEATHER-WASHING MACHINE. WILLIAM HOOD, San Francisco, Calif. Filed Sept. 2, 1924. Serial No. 735,337. 5 Claims. (Cl. 141—1.)



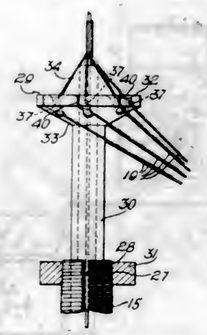
1. A feather washing machine comprising a tank adapted to receive a detergent solution; a cylindrical screen mounted within the tank; means for introducing feathers to be cleaned into one end of the screen; a stirring element mounted within the screen and provided with a plurality of propeller shaped stirrers adapted to agitate the feathers within the solution and to create a current to carry the feathers forwardly through the screen; means for rotating the screen and the stirring element simultaneously in opposite directions; a pan in association with the other end of the screen to receive feathers from said screen; and a conveyer mounted adjacent said end of the screen and operating within said pan to remove the feathers from the solution.

1,579,708. INDICATING ELECTRICAL EFFECTS. JACOB S. JAMMER, New York, and CHARLES T. ANDERSON, Tompkinsville, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 27, 1923. Serial No. 654,105. 9 Claims. (Cl. 175—183.)



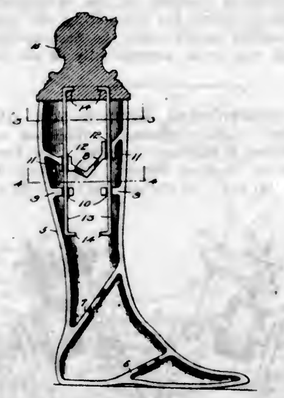
2. A Wheatstone bridge circuit comprising as one arm the cathode-anode impedance of a vacuum tube, a source of space current for said tube connected in one diagonal of the bridge, and an indicator arranged to respond to current variations occurring in the other diagonal of the bridge, the impedance ratios of the arms being such as to maintain a continuous flow of current through the diagonal with which the indicator is associated, of a valve independent of fluctuations in voltage of said source.

1,579,709. METHOD OF AND APPARATUS FOR SERVING MATERIAL UPON A CORE. JOHN JANICKI, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 4, 1925. Serial No. 54,398. 12 Claims. (Cl. 117—43.)



1. A method of serving a core, which consists in guiding a plurality of strands to a common point, fanning the strands therefrom to a plurality of points distributed around the core and simultaneously serving the strands from said plurality of points to the core and wrapping them therearound.

1,579,710. DISPLAY FORM. RUSSELL R. JOHNSTON, Milwaukee, Wis. Filed Aug. 14, 1925. Serial No. 50,299. 5 Claims. (Cl. 223—18.3.)

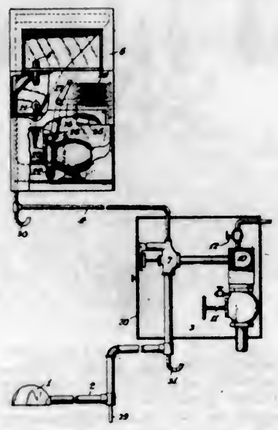


1. A form of the character indicated for displaying upon its exterior surface an article of wearing apparel, including in combination a hollow body portion open at one end, a cap or closure for the open end of said body portion, and means for slidably connecting the cap or closure with the body portion of the form.

1,579,711. PROCESS FOR TREATING VISCOSE SILK IN A VACUUM. ADOLF KÄMPF, Premnitz, Germany. Filed Mar. 26, 1925. Serial No. 18,605. 3 Claims. (Cl. 18—54.)

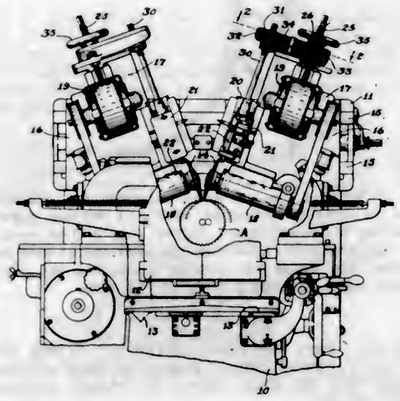
1. A process for treating freshly spun viscose silk on spools consisting in subjecting said silk to a vacuum of sufficient strength to rapidly and completely remove the carbon disulphide from the fiber, and afterwards washing said silk.

1,579,712. FIRE-EXTINGUISHING SYSTEM. WALTER KIDDE, Montclair, and BARZILLAI G. WORTH, West Orange, N. J., assignors to Walter Kidde & Company, a Corporation of New Jersey. Filed June 28, 1921. Serial No. 480,966. 7 Claims. (Cl. 169—11.)



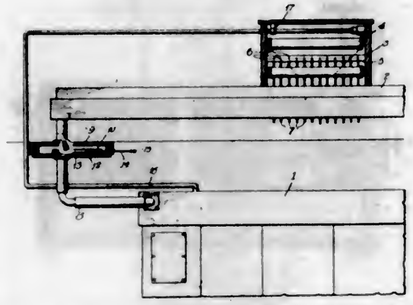
1. In an apparatus for detecting and indicating fires, the combination of a detector pipe and means for drawing a continuous flow of gas or vapor there-through, means for closing the suction connection to the detector pipe, an extinguisher pipe connected with the detector pipe, a second independent control means for admitting a fire extinguishing medium to the extinguisher pipe, and interlocking means for preventing the opening of the second control means until the first control means is closed, and vice versa, substantially as set forth.

1,579,713. POSITIONING DEVICE FOR GRINDING MACHINES. CARROLL KNOWLES, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 13, 1923. Serial No. 651,402. 13 Claims. (Cl. 51—52.)



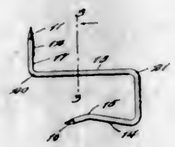
1. A wheel positioning device for grinding machines comprising in combination, a slide, a wheel head thereon having a rotatable abrasive wheel therein, means to adjust the position of said slide, and a slide carrying a wheel contacting device mounted on said wheel head carrying slide whereby said contacting device may be moved relative to and in a direction parallel to the direction of movement of said wheel head.

1,579,714. CLEANING DEVICE FOR PLAYER PIANOS. FRED F. KRAMER, Jr., Allentown, Pa. Filed Jan. 22, 1924. Serial No. 687,824. 4 Claims. (Cl. 84—64.)



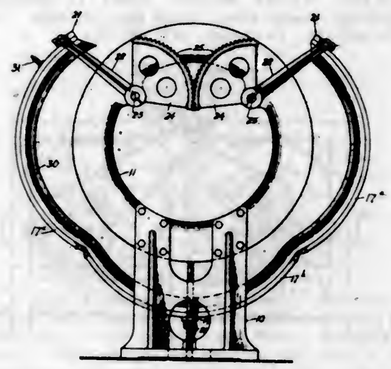
1. In an automatic player piano, the combination with the wind chest, of a cleaning device for the air passages leading through and from the tracker bar, comprising a flexible pipe having one end in communication with the wind chest, a nozzle on the other end of the pipe and having an air inlet opening adapted to be placed in communication with the air passages leading through and from the tracker bar of the piano, and a sleeve bracket supported by a part of the piano casing and adapted to receive and support said nozzle, said bracket closing the inlet opening of the nozzle when the nozzle is supported therein.

1,579,715. SHINGLE CLIP. BERNIE C. KRIDLER and JAMES C. BOYLE, Flint, Mich., assignors to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Feb. 9, 1923. Serial No. 617,946. 1 Claim. (Cl. 108—33.)



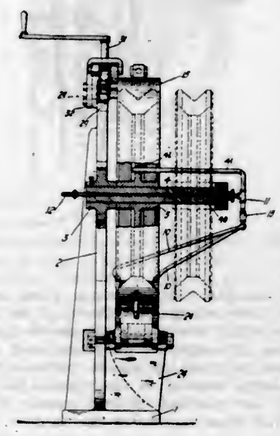
A shingle clip formed of a single strand of wire rounded in cross section and bent laterally at one end at right angles, the bent portion being formed to engage under a roof beam for anchoring the clip, said wire being bent laterally in an opposite direction at its opposite end and terminating in a penetrating prong, the wire between said bent portions forming a straight shank portion, said wire being reduced in thickness only from the shank to a point below said penetrating prong.

1,579,716. VULCANIZER. OTTO J. KUHLKE, Akron, Ohio, assignor to The Kuhlke Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 6, 1923. Serial No. 666,877. 20 Claims. (Cl. 18—38.)



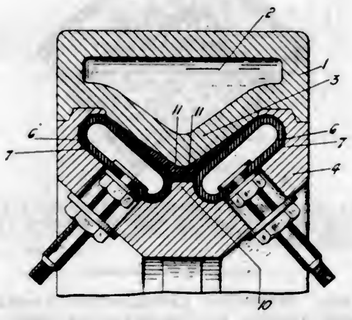
7. In an apparatus of the character described, the combination of a circular mold, means to heat the material within the mold, an expansible jacket surrounding the mold, and means to expand the jacket and support it in expanded condition out of contact with the mold.

1,579,717. VULCANIZER. OTTO J. KUHLKE, Akron, Ohio, assignor to The Kuhlke Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 19, 1925. Serial No. 16,697. 15 Claims. (Cl. 18—19.)



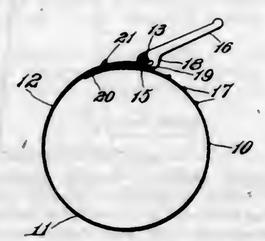
1. In an apparatus for vulcanizing tire flaps or the like, a form having a substantially V-shaped cavity on its outer surface, a plate over the form having a V-shaped rib adapted to fit within the cavity, and expansible air bags seated within the form and constituting the inclined walls of the vulcanizing chamber.

1,579,718. APPARATUS FOR CURING TIRE FLAPS OR THE LIKE. OTTO J. KUHLKE, Akron, Ohio, assignor to The Kuhlke Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 4, 1925, Serial No. 20,608. Renewed Feb. 24, 1926. 5 Claims. (Cl. 18—38.)



1. In a device for vulcanizing flaps or the like, a mold and a mold plate having a mating groove and rib, respectively, the walls of the groove being formed from expansible bags seated within recesses in the mold, a rib separating the recesses, and integral extensions upon the bags overlying the rib.

1,579,719. HOSE CLAMP. SAMUEL C. LAVENDER, Slim, Okla., assignor of one-fourth to Robert W. Case, Wright City, Okla. Filed Dec. 3, 1925. Serial No. 73,005. 2 Claims. (Cl. 24—19.)

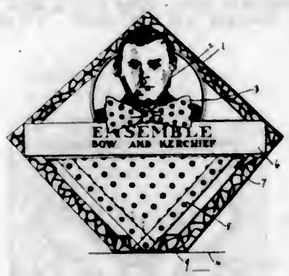


1. A hose clamp comprising a band having formed in one end thereof a longitudinally extending series of openings, the extremity of said end having pivoted thereto a lever swingable in a plane including the longitudinal axis of the band and a plurality of teeth formed upon the outer surface of the opposite end of the band with which one end of the lever is adapted to engage, the extremity of the last named end of the band having a hook adapted for engagement in the openings of the first named end of the band to prevent return movement of the last named end of the band after shifting thereof by said lever.

1,579,720. DISPLAY CARD. LEOPOLD LERNER, New York, N. Y. Filed May 26, 1925. Serial No. 32,899. 1 Claim. (Cl. 211—24.)

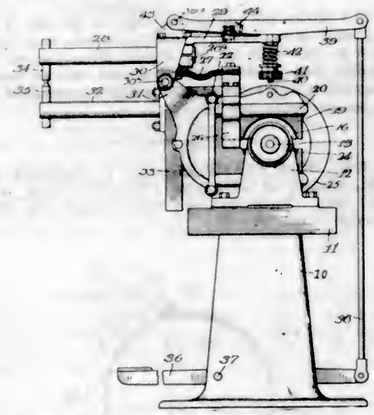
As an article of manufacture, a card having a picture of a man's head thereon, an opening therein under said head for receiving and displaying the knot of a necktie, an elongated horizontal slot extending across said card

under said opening for receiving and displaying a handkerchief, a support for said card, and a member connecting said support and said card above said open-



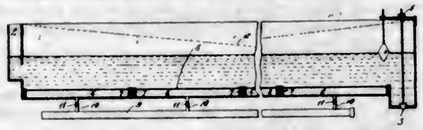
ing for bracing said support and constituting a means to which parts of said tie may be attached and held in display position.

1,579,721. WELDING APPARATUS. FREELAND H. LESLIE, Chicago, Ill. Filed Apr. 11, 1925. Serial No. 22,247. 9 Claims. (Cl. 219—4.)



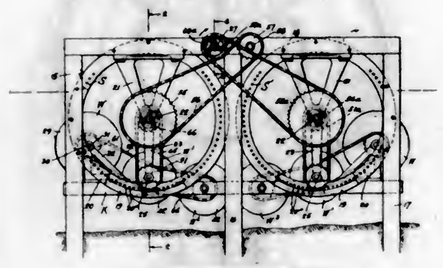
1. An electric resistance welding machine comprising a welding circuit, a conductor therein having welding dies in series therewith, an electrically excitable rotatable member associated with said circuit, and means for exciting said member when rotating whereby the kinetic energy thereof will be transformed simultaneously with the excitation of said member into a large momentary current in said welding circuit.

1,579,722. FLOTATION OF MINERALS. BERNARD M. MCATEE, Miami, Ariz., assignor, by mesne assignments, to The General Engineering Company, Salt Lake City, Utah, a Corporation of Utah. Filed Mar. 31, 1921. Serial No. 457,306. 5 Claims. (Cl. 209—170.)



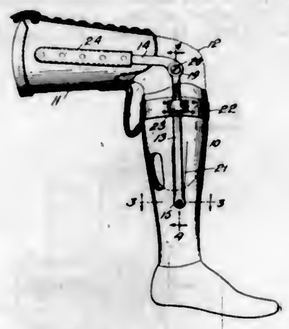
1. The improvement in the pneumatic flotation process for removing substances amenable to flotation from a pulp containing the same, which comprises maintaining a prolonged unrestricted flow of a shallow and relatively much wider body of the pulp of substantially uniform depth through a porous bottomed pneumatic flotation apparatus at a sufficient velocity to prevent any objectionable blanketing of the porous bottom.

1,579,723. WATER MOTOR. FRANK L. MCQUISTON, Redondo Beach, Calif. Filed Feb. 26, 1924. Serial No. 695,334. 11 Claims. (Cl. 253—4.)



1. In a water motor, a stationary frame, a carriage mounted for oscillatory movement on the frame, and a plurality of water wheels arranged at various levels on the carriage.

1,579,724. ARTIFICIAL LEG. GEORGE E. MARKS, Sound Beach, Conn. Filed Apr. 16, 1924. Serial No. 706,829. 4 Claims. (Cl. 3—2.)

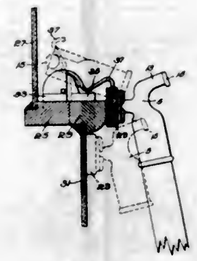


1. An artificial leg, comprising a leg socket, a thigh member, links extending lengthwise of the leg socket and pivoted at their lower ends at opposite sides of the leg socket for an oscillatory movement with respect to the leg socket, and bars on opposite sides of the thigh-member pivotally secured to the upper ends of the links, whereby are provided jointed means connecting the socket and thigh member at the knee.

1,579,725. WATERPROOFING SOLUTION. RALPH MICHAEL MEAKES and GEORGE FREDERICK WILLIAMS, Toronto, Ontario, Canada. Filed June 30, 1924. Serial No. 723,343. 1 Claim. (Cl. 134—16.)

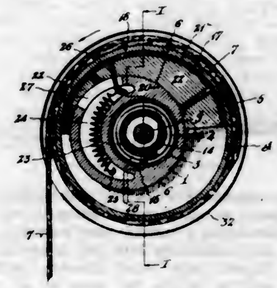
A composition of matter consisting of 8 ozs. of Irish moss, 6 ozs. of caustic soap, 6 ozs. of glue, dissolved in 1 gal. of water, to which is added 1 qt. of linseed oil.

1,579,726. WINDOW-MANIPULATING IMPLEMENT. HENRY E. MEYER, Dorchester, Mass. Filed Mar. 24, 1925. Serial No. 17,906. 6 Claims. (Cl. 268—4.)



2. A window manipulating implement comprising a head provided at one side with a laterally extending pull member and at the opposite side with a non-metallic, laterally offset, bearing member provided with a face presenting a substantial bearing area adapted to bear against the window pane, and lateral edges also presenting a substantial bearing area to engage the rail of the window sash.

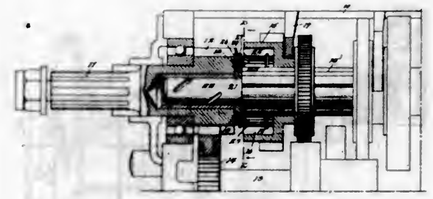
1,579,727. SHOCK ABSORBER. COURTNEY N. MITCHELL, Cleveland, Ohio, assignor of one-half to Ernest H. Geyer, Cleveland, Ohio. Filed May 17, 1923, Serial No. 639,536. Renewed May 28, 1924. 20 Claims. (Cl. 267—10.)



1. In a shock-absorber, the combination of a hub adapted to be fixed to a suitable support and having an exterior cylindrical surface; a rotatable drum surrounding said hub having an axis parallel with but eccentric relatively to the hub axis, and an interior cylindrical braking surface whose axis coincides with the drum-axis, whereby said two braking surfaces converge; a strap secured to and adapted to rotate said drum in the direction of convegence of said surfaces; a spring adapted to rotate the drum in the opposite direction; and means interposed between said surfaces for wedging same when the drum is actuated by said strap.

1,579,728. SYNCHRONIZER. HOWARD J. MURRAY, Brooklyn, N. Y., and WALTER S. RUGG, Pittsburgh, Pa. Filed Nov. 24, 1922. Serial No. 603,059. 16 Claims. (Cl. 192—53.)

15. In a device of the class described, the combination of a pair of clutch elements mounted for relative axial movement to and from a clutching position, a synchronizer for causing the elements to approach the same



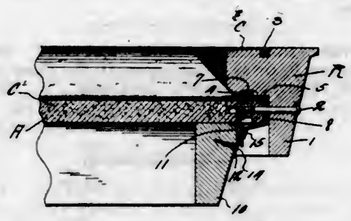
speed prior to interengaging and a split ring constituting a spring catch for securing the elements in their interengaging relation.

1,579,729. PLASTIC FLOOR COVERING. JOSEPH F. NACHOD, Baltimore, Md., assignor to The Duraflex Company, Baltimore, Md., a Corporation of Maryland. Filed Sept. 20, 1923. Serial No. 663,808. 9 Claims. (Cl. 91—68.)

1. The herein described process of coating floors which consists in applying a priming coat thereto composed of a thin solution of bitumen, in permitting this coat to dry and then applying a coat formed of a thick solution of bitumen.

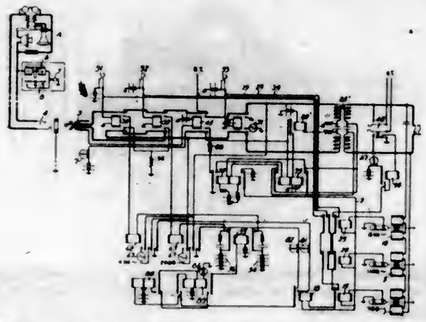
9. A floor structure consisting of a supporting base with layers of bitumen superimposed thereon, the last of said layers containing a coloring substance and a stiffening material.

1,579,730. MEANS FOR FASTENING CLOTH TO GAME TABLES AND THE LIKE. SAMUEL A. NELSON, River Falls, Wis. Filed Sept. 12, 1925. Serial No. 56,031. 2 Claims. (Cl. 273—7.)



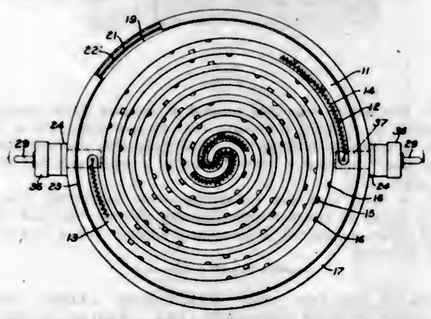
1. In combination with the rail of a game table having recesses in its under surface, a strip underlying said under surface for holding a cloth to the rail, said strip having rearwardly facing hook members to penetrate the cloth, said hook members seating within the recesses in the under face of the rail when the strip is applied.

1,579,731. TELEPHONE SYSTEM. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,829. 8 Claims. (Cl. 179—6.3.)



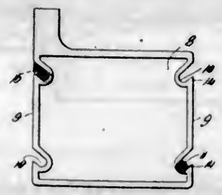
1. In a telephone system, a toll line opaque to direct current, sources of alternating current associated with one end of said line, a coin box associated with the other end of said line, and means also at said other end of said line responsive to alternating currents from said sources for operating said coin box.

1,579,732. ELECTRIC HEATING UNIT. FREDERICK E. OWEN, East Palestine, Ohio. Filed Aug. 2, 1924. Serial No. 729,677. 11 Claims. (Cl. 219—37.)



1. In a heating unit, in combination, a refractory member having a substantially open groove in one face thereof, a resistor member in said groove, and a metal casing enclosing the bottom surface and the annular periphery only of said refractory member and secured thereto.

1,579,733. INSULATOR FOR BATTERY PLATES. RICHARD B. OWEN, Washington, D. C. Filed Nov. 21, 1919. Serial No. 339,645. 10 Claims. (Cl. 136—81.)

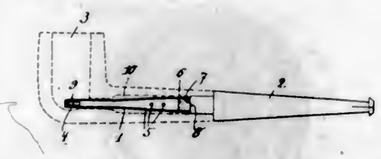


2. The combination with battery plates having supporting means on the vertical edges thereof, and pliable projections, of a notched spacing element supported by the supporting means on the vertical edges of the plates, and the pliable projections adapted to be bent to retain the spacing element on the supporting means.

1,579,734. OIL-WELL PUMP. JOHN O. PEARSON, Smackover, Ark. Filed Jan. 21, 1925. Serial No. 3,809. 4 Claims. (Cl. 183—165.)

1. In a structure of the class described, a shell, a cylinder at the bottom of the shell, a plunger in the cylinder, a tube extending downwardly from the bottom of the shell, a pair of spaced check valves in the tube, and a pipe section connecting the cylinder with the tube between the check valves.

1,579,735. PIPE. EUGÈNE ROPP, Besançon, France. Filed Sept. 6, 1922. Serial No. 586,505. 5 Claims. (Cl. 131—12.)



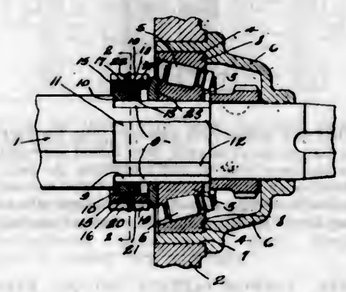
1. A pipe comprising a bowl, a stem forming one part with the bowl, a mouthpiece secured in a removable manner to this stem, a tubular part connected with this mouthpiece and extending into the lower part of the bowl, this tubular part being laterally perforated at its middle portion within the stem so as to provide several holes which act as a filter, said tube being terminated by a cylindrical portion extending into the bottom of the bowl and being used for the draught.

1,579,736. LOCK. ELMER B. STONE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 4, 1922. Serial No. 604,667. 7 Claims. (Cl. 70—47.)

2. A lock including a member fitted within a socket and having a recess opening to its outer surface, and a hardened barrier located within said recess and arranged to mutilate the contact surface between said

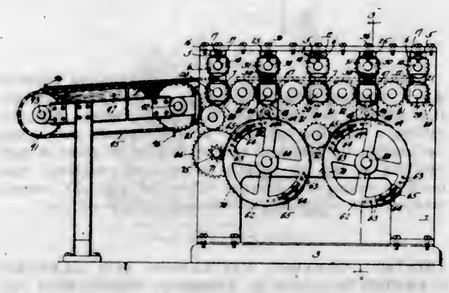
member and the wall of said socket when said barrier is forced from the normal, intended and inoperative position, and thereby initially and solely prevent movement of said member in its socket by a distortion and mutilation of members comprising said lock.

1,579,737. INTERNAL-BEARING-ADJUSTING MEANS. HENRY W. SWEET, Syracuse, N. Y., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 29, 1924. Serial No. 696,091. 2 Claims. (Cl. 308—207.)



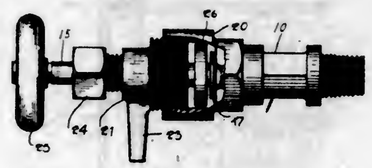
1. The combination with a shaft and a bearing including a member mounted on the shaft to rotate therewith, the shaft and the bearing being arranged to have a relative axial adjusting movement, the shaft having a shoulder opposed to and spaced-apart from said member, and the portion of the shaft on which said member is mounted being of less diameter than said shoulder, of bearing adjusting means comprising a collar mounted on the portion of shaft of smaller diameter and thrusting against said shoulder, the collar being rotatable with the shaft and being of greater diameter than the shoulder, and a nut threading on the collar and thrusting against the bearing member, all whereby the bearing member and collar are placeable on and removable from the shaft by a sliding of the same endwise on the portion of the shaft of less diameter.

1,579,738. CREASING MACHINE. GEORGE W. SWIFT, Jr., Bordentown, N. J., assignor to George W. Swift Jr. Inc., Bordentown, N. J., a Corporation of New Jersey. Filed July 29, 1925. Serial No. 46,796. 7 Claims. (Cl. 93—58.)



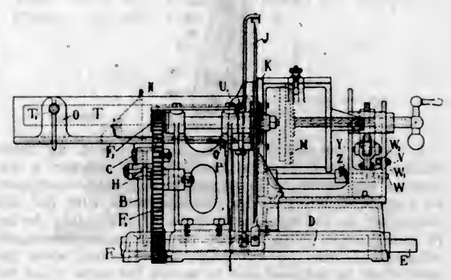
1. In a machine of the character described, the combination with a plurality of successively acting creasing mechanisms arranged in offset longitudinal parallel planes, of means for periodically throwing said mechanisms into and out of action.

1,579,739. VALVE-RESEATING DEVICE. JOHN E. SWISHER, Huntington, W. Va. Filed May 25, 1925. Serial No. 32,726. 1 Claim. (Cl. 90—125.)



A tool for the purpose described including a tubular body portion adapted to fit closely on the stem of a valve to be refinished, a face mill formed on one end of the body, an operating handle formed on the other end thereof, a collar formed on said body adjacent said face mill, a sleeve slidably and rotatably mounted on said body between the handle and collar and adapted to bear against said collar, a feed screw on one end of said sleeve adapted for engagement by the union nut of a gage-cock, and a hand grip on the other end of said sleeve.

1,579,740. MACHINE SUITABLE FOR BREAD CUTTING AND BUTTERING. FREDERICK JAMES THORLING, Ilford, England, assignor of one-half to The B. and B. Machine Company Limited, London, England. Filed Feb. 14, 1923. Serial No. 619,009. 10 Claims. (Cl. 91—14.)

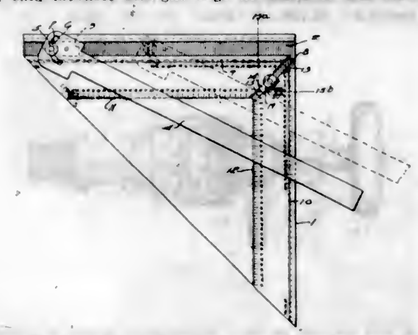


1. In a machine for cutting bread, the combination comprising a rotary knife, a pivotally mounted bread carrier and means for oscillating said bread carrier to and from said knife.

1,579,741. AUTOMATIC SCALE FOR COPYING CAMERAS. JOHN VERBURG, Jamaica Junction, N. Y. Filed Mar. 23, 1925. Serial No. 17,497. 3 Claims. (Cl. 235—61.)

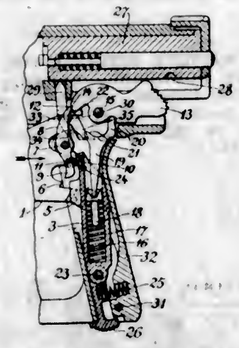
1. An apparatus for determining the adjustments required for producing with a given camera copies of given sizes which comprises, in combination, two similar rectilinear scales having a common zero point at the vertex of a right angle formed by them, a straight edge angularly adjustable with reference to said scales, a device permitting said straight edge to move over said scales without varying its angle of inclination thereto

after adjustment, and means for determining that position of said movable straight edge at which it will cross a



line bisecting the angle formed by said scales at a point removed from each of said scales by a distance corresponding with the focal length of the camera lens.

1,579,742. AUTOMATIC FIREARM. RUDOLF VON FROMMER, Budapest, Hungary. Filed Jan. 23, 1924. Serial No. 687,912. 5 Claims. (Cl. 42—3.)

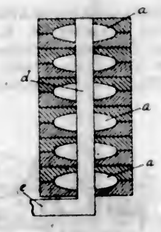


1. In an automatic firearm, a breech-bolt, an interrupter controlled by said breech-bolt, a trigger, a disengager controlled by the trigger and by said interrupter, an automatic safety device in engagement with the said disengager in the released position of the safety device, in combination with means on the said interrupter adapted to lock the automatic safety-device when the breech-bolt in unclosed and to unlock the same when the breech-bolt is closed.

2. In an automatic firearm, a hammer mechanism, a pivoted sear adapted to retain said hammer mechanism in inoperative position, a disengager for moving said sear on its pivot thereby to release the hammer mechanism, a spring casing secured to the frame of the firearm, a main spring for operating the hammer mechanism, a spring for moving the disengager out of its sear-operating position and a spring for actuating the sear into hammer-engaging position, all of said springs being separately housed in said casing.

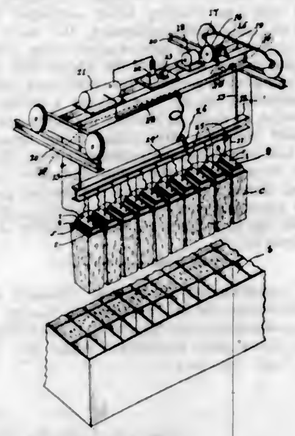
1,579,743. METHOD OF AND MEANS FOR CASTING STEEL OR OTHER INGOTS OR CASTINGS. JOHN HARRIES WARLOW, Jr., Rotherham, England. Filed Apr. 25, 1923. Serial No. 634,421. 8 Claims. (Cl. 22—142.)

1. The hereinbefore described method of casting metal bodies having a central hole, consisting in causing molten metal to flow upwards through a mounting passage located within and passing through the heart of each mould of a superimposed series, said mounting passage simultaneously serving as a central core for each resulting hollow body, causing the molten metal to issue directly from said core from within each mould at the heart thereof and separately thereinto whereby the moulds are filled



separately and successively upwards from the heart thereof, the molten metal in each filled mould surrounding the core at the heart thereof and sustaining the heat around said core so as to retain fluidity of the molten stream within the mounting passage and subsequently removing the core from the heart of each resultant casting.

1,579,744. VACUUM LIFTING DEVICE. FRANCIS M. ADAY, Brooklyn, N. Y. Filed June 3, 1925. Serial No. 34,584. 5 Claims. (Cl. 294—64.)

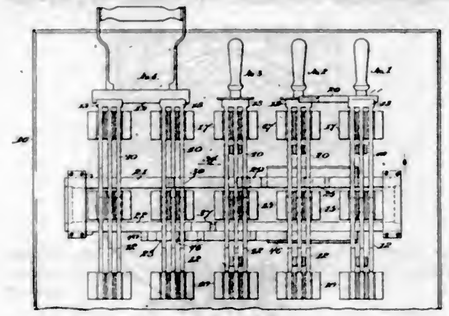


1. In an ice hoisting device, the combination comprising a vacuum receptacle, means affording communication with a vacuum producing means, means for connecting a hoisting device to such receptacle and means for heating the walls of such receptacle in order to melt portions of the ice surface immediately adjacent such heating means and thereby afford an air-tight contact between the vacuum receptacle and the ice surface.

1,579,745. CONTROL MECHANISM FOR ELECTRIC SWITCHES. ALF E. ANDERSON, Milton, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 22, 1923. Serial No. 664,146. 16 Claims. (Cl. 200—5.)

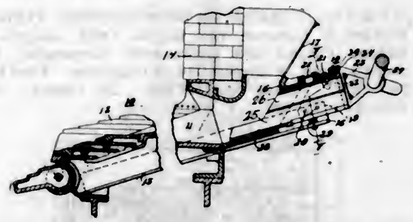
11. The combination with a plurality of switches, of a plurality of locking means cooperating with the blades

thereof and constructed and arranged to be bodily movable simultaneously by the said blades transversely with



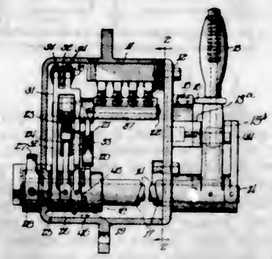
relation to the latter only when the said blades are opened in predetermined order.

1,579,746. RAM-BOX MECHANISM FOR STOKERS. OTTO ARAM, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 4, 1923. Serial No. 643,366. 9 Claims. (Cl. 110—44.)



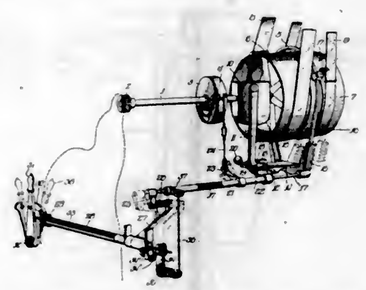
7. In a fuel-feeding device for a mechanical stoker, a ram box embodying a lower member, a superposed upper member, a frame surrounding said members to which said lower member is attached, clamping screws passing through said frame and adapted to force said upper half toward said lower half, and shim members between said two members.

1,579,747. CONTROL MECHANISM. FRITZ BALZER, Moline, Ill., assignor to Troy Laundry Machinery Company, Ltd., East Moline, Ill., a Corporation of New York. Filed Nov. 22, 1923. Serial No. 676,287. 12 Claims. (Cl. 192—148.)



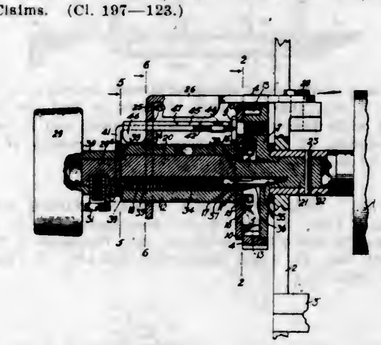
4. In combination, a member to be stopped, switch and brake means, means for moving said switch and brake, said moving means including a ratchet member and a pawl member biased into cooperative relationship with one another, and manually operable means for controlling the operative relationship between said ratchet member and said pawl member.

1,579,748. OPERATING MECHANISM FOR WASHING MACHINES. FRITZ BALZER, Moline, Ill., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill., a Corporation of New York. Filed Apr. 25, 1924. Serial No. 708,938. 12 Claims. (Cl. 192—10.)



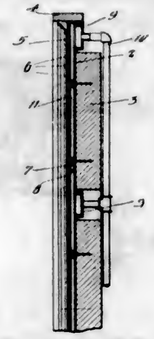
1. Belt shifting mechanism comprising a pair of loose pulleys and a tight pulley, belts cooperating therewith, a shaft connected with said tight pulley, said belts being adapted selectively to drive said tight pulley in opposite directions, an oscillating member driven by one of said loose pulleys, belt engaging mechanism adapted to be engaged with or disengaged from said oscillating member, a brake for said shaft, and a unitary control for controlling said brake and for controlling the connection between said oscillating member and said belt engaging mechanism.

1,579,749. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Oct. 13, 1924. Serial No. 743,199. 7 Claims. (Cl. 197—123.)



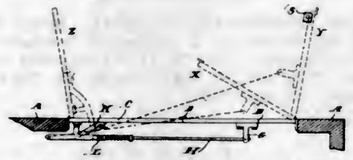
1. In a typewriting or like machine, the combination of a carriage, a platen carried thereby, a line spacing wheel, a clutch for connecting the line spacing wheel and platen to turn together or permitting the platen to turn independently of the line spacing wheel, a spindle connected at all times to turn with the platen and movable longitudinally in and out to control said clutch, a longitudinal movement of the spindle in one direction releasing the clutch and a longitudinal movement of the spindle in the opposite direction engaging the clutch, and a hand controlled latch movable in and out with said spindle and having an independent hand controlled lateral movement to positively engage the latch with or disengage it from a fixed part of the carriage to positively hold the spindle against return movement from clutch releasing position.

1,579,750. BILLBOARD AND PROCESS FOR REMOVING POSTERS FROM BILLBOARDS. CLARENCE A. BEALL, Saticoy, Calif., assignor of one-third to Edward C. Barkstrom, Los Angeles, Calif. Filed Mar. 16, 1925. Serial No. 15,914. 3 Claims. (Cl. 40—125.)



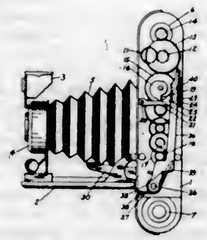
3. A billboard of the class described comprising a perforated plate, a poster secured by adhesive to one side of such perforated plate, and means for supplying to the other side of said perforated plate an adhesive disintegrating material.

1,579,751. DOUBLE-SWING-DOOR OPERATING DEVICE. EVERETT HUCKEL BICKLEY, Upper Darby, Pa. Filed Mar. 14, 1924. Serial No. 699,329. 8 Claims. (Cl. 268—9.)



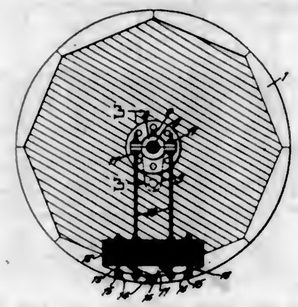
2. In a double door operating device, brackets on said doors, a bar connecting said brackets to hold one door closed while the other is partially opened, and to cause full opening of the one when the full opening of the other is reached.

1,579,752. SEMIAUTOMATIC FILM-WINDING CAMERA. CARL A. BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Dec. 26, 1924. Serial No. 758,130. 2 Claims. (Cl. 242—71.)



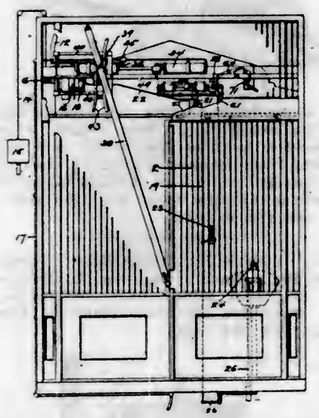
1. A winding mechanism for cameras comprising a motor driven gear train for rotating the take up spool, stopping and releasing mechanism for said gear train, an operating lever for said mechanism pivoted in said camera and a spring for normally projecting said lever to operative position when said camera is opened.

1,579,753. DRIVING MECHANISM FOR OIL-WELL RIGS. MARK P. BURKE, Tulsa, Okla. Filed Dec. 1, 1924. Serial No. 753,291. 10 Claims. (Cl. 74—71.)



7. Driving mechanism for oil well rigs, comprising, a band wheel, a shaft therefor, a walking beam driven thereby, a connection from said walking beam and leading into the well, a bearing on said shaft, and a counterbalance mounted on said bearing and attachable to said band wheel.

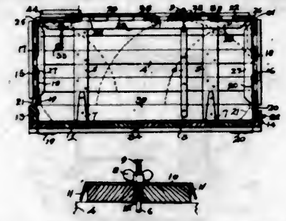
1,579,754. ELEVATOR-DOOR-CONTROL SYSTEM. HOWARD E. CAVANAH, Los Angeles, Calif., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif., a Corporation of California. Filed Oct. 10, 1921. Serial No. 506,866. 21 Claims. (Cl. 187—52.)



9. The combination with an elevator shaft having a door, of a car in said shaft, a normally retracted device on said car adapted to be moved transversely into operative relation with respect to the door for moving it, a longitudinally movable carriage on which said device is mounted, a trackway on which said carriage is movable longitudinally, means for moving said device into extended position with respect to said carriage, and means for moving the carriage along the trackway.

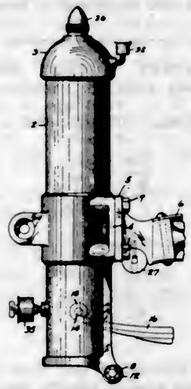
1,579,755. FOLDING POULTRY CRATE. GEORGE S. CLAPPER, Valparaiso, Ind. Filed Dec. 16, 1922. Serial No. 607,398. 9 Claims. (Cl. 217—56.)

1. In folding crates, a suitable base, ends hinged to the base, sides also hinged to the base, a two-part cover in hinged relation to the sides, and means for attachably and detachably holding the cover parts against separation and at the same time positively draw them



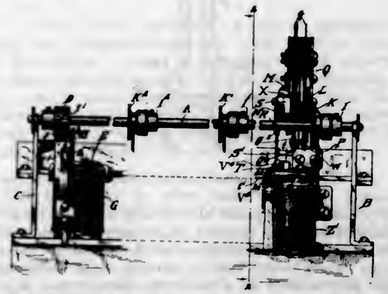
against the ends so as to hold the parts firmly assembled against collapse while the crate is in active service.

1,579,756. AUXILIARY VEHICLE SPRING. WALDO E. DODGE, Berkeley, Calif. Filed Jan. 9, 1922. Serial No. 528,026. 4 Claims. (Cl. 267—29.)



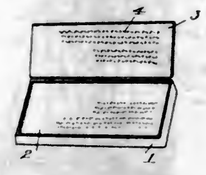
1. An auxiliary spring for vehicles adapted to be interposed between the end of the vehicle frame and the end of a vehicle main leaf spring comprising a casing adapted to be rigidly secured to the vehicle frame, a spring seat slidable in said casing and attached to the end of the leaf spring, a helical spring in said casing above said spring seat and means for pressing said spring laterally against said casing.

1,579,757. AUTOMATIC ELECTRICAL SWITCHING MEANS. JOHN ERICKSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 10, 1905. Serial No. 249,499. 126 Claims. (Cl. 179—18.)



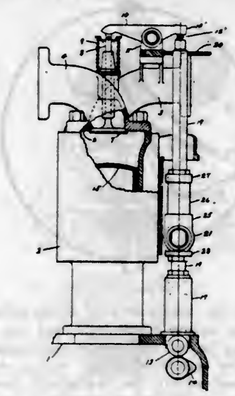
1. A switching apparatus comprising a rotatable shaft, a plurality of trunk-selecting switches distributed along said shaft and normally disconnected therefrom, means allotted to each switch for connecting it thereto and disconnecting it therefrom, together with a single step-by-step mechanism for rotating said shaft to cause any connected switch to automatically select an idle trunk, said step-by-step mechanism being common to all of the switches distributed along the said shaft.

1,579,758. CHECK PROTECTOR. HARRY R. FIELDS, Orlando, Fla. Filed Nov. 24, 1923. Serial No. 676,685. 2 Claims. (Cl. 101—26.)



1. In a check protector, the combination with a container having an ink pad portion and an inkless pad portion thereon, and a metallic cover for said container provided with projections stamped out of the same to tear through a check and extend through said inkless pad portion into said ink pad portion.

1,579,759. INTERNAL-COMBUSTION ENGINE. ANSLEY H. FOX, Philadelphia, Pa., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 15, 1922, Serial No. 543,828. Renewed Nov. 11, 1924. 5 Claims. (Cl. 123—90.)

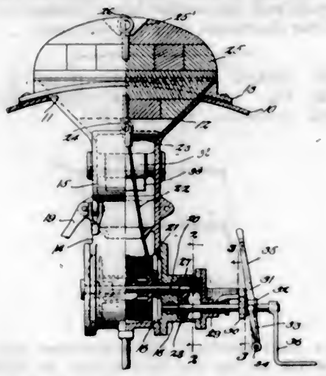


4. In an internal combustion engine having valve operating mechanism comprising reciprocating rods, the combination with said rods, of tubes encasing them, jackets on said tubes and a conduit for carrying hot exhaust gases from said engine into said jackets and in contact with said tubes.

1,579,760. DEVICE FOR LOCATING AND RAISING SUNKEN SUBMARINES. LEONARD T. GARDNER, Baltimore, Md. Filed Oct. 27, 1925. Serial No. 65,153. 6 Claims. (Cl. 114—16.5.)

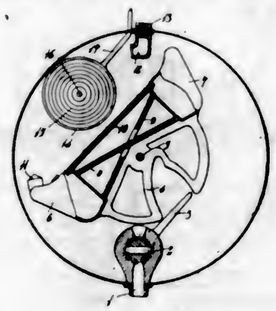
1. A device for raising sunken submarines comprising, a casing having an open end adapted to be secured to the upper part of a submarine hull with the open end upwardly and the lower end projecting within the submarine, a winding drum mounted in the lower part of the casing and having a buoy cable wound thereon, a buoy fixed to the end of the cable and normally seated

in the upper end of the casing, a pair of pawls mounted in opposition intermediate the ends of said casing, means to limit the upward movement of said pawls,



and a plunger adapted to have a hoisting cable attached thereto and slidable on said guide rope, said plunger having a head engageable below said pawls and a shank adapted to pass between the pawls.

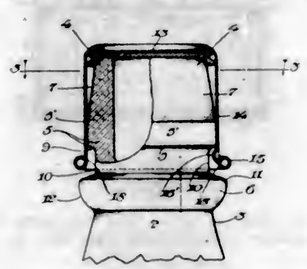
1,579,761. GAS VALVE. PIETER AUGUSTUS MARINUS HACKSTROH, The Hague, and OTTO VAN KEULEN, Haarlemmer Meer, Netherlands. Filed May 9, 1925. Serial No. 29,122. 4 Claims. (Cl. 67—116.)



1. Apparatus for automatically interrupting the gas supply to a gas burner should the gas not be lighted or after lighting be extinguished, comprising a casing, a main gas valve connected to the casing, an auxiliary gas valve enclosed within the casing and comprising an appliance having a closure means for a gas outlet of the casing and operable by the heat of the gas flame for preventing the closing of the said outlet,, the said auxiliary gas valve being adapted to be rocked about an axis and comprising two containers, each adapted to receive an actuating medium, the containers being connected to each other in such a manner, that during and after the rocking motion of the containers, the medium will flow more slowly from the one container than from the other.

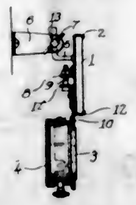
1,579,762. CAPPED CONTAINER AND CAP THEREFOR. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Original application filed Feb. 16, 1924, Serial No. 693,174. Divided and this application filed Aug. 14, 1925. Serial No. 50,177. 4 Claims. (Cl. 215—38.)

1. The combination of a container provided with a continuous annular holding shoulder, and a re-usable metal pry-off cap comprising a top and a depending skirt having in proximity to its lower edge a plurality of annularly spaced impressed holding bead formed portions widely spaced apart to engage the under wall



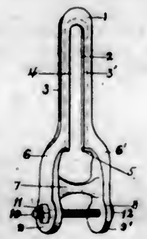
of said annular shoulder and machine impressed thereunder subsequent to the first application of the cap to the container and so deformed by the prying off of the cap that the cap may be thereafter re-used and snapped on by hand.

1,579,763. BRACKET SUPPORT FOR REAR-VIEW MIRRORS AND CLOCKS. WILLIAM P. HAMMOND, East Orange, N. J. Filed Apr. 6, 1923. Serial No. 630,209. 6 Claims. (Cl. 45—97.)



1. In combination with a rear view mirror for motor vehicles, a bracket support therefor provided with an extension adapted to support a timepiece below the same when in operative position with the face of the time piece in substantially a parallel plane with the mirror surface.

1,579,764. ANCHOR FOR SAFETY ATTACHMENTS. WALTER A. HEARN, Baltimore, Md. Filed Nov. 13, 1925. Serial No. 68,929. 3 Claims. (Cl. 24—222.)



1. An anchor for safety attachments, comprising an anchoring means provided with an elongated slot the sides of which are spaced and secured together by a yoke at one end and open at its opposite end, said sides offset approximately at right-angles to the plane of the body through which said slot is formed, said offset parts spaced and secured by a yoke, the ends of the said offset parts extending past the said latter mentioned yoke and bored to engage a bolt.

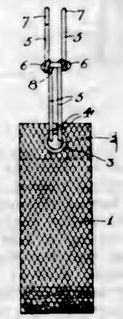
1,579,765. METHOD FOR MAKING STEMS FOR TIPLESS LAMPS. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 27, 1921. Serial No. 473,024. 11 Claims. (Cl. 49—78.)

1. The method of forming a stem for an incandescent lamp which consists in assembling individual glass parts, heating and pressing together the said parts, effecting a relative bodily movement of said parts to reduce the amount of glass in the seal and to alter the surface contour thereof.

1,579,766. SLAKED LIME AND THE PROCESS OF PRODUCING IT. CHARLES E. HITE, Philadelphia, Pa. Filed Aug. 7, 1925. Serial No. 48,785. 5 Claims. (Cl. 23—189.)

3. The process which consists in slaking quicklime with a lime sulphur solution.

1,579,767. HOOK. ARTHUR MARTIN JACOBY, London, England. Filed Jan. 27, 1925. Serial No. 5,007. 4 Claims. (Cl. 24—237.)



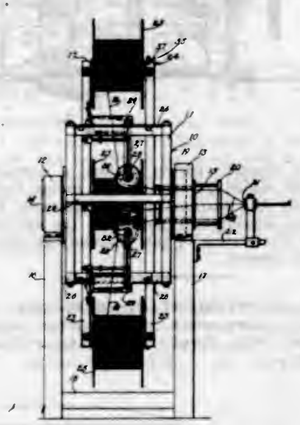
1. A hook device, comprising a pair of oppositely disposed hook elements each bent upon itself to form an eye disposed in a plane at an angle to the portions of the hook elements at each end of the eye-forming portion, and a pivot member engaging said eyes thereby to secure the hook elements together with the oppositely facing hooks at one end spaced apart wider than those at the opposite end of the device.

1,579,768. AUTOMOBILE LOCK. COLVIN L. JOHNSON, Chicago, Ill., assignor to Johnson Automobile Lock Co., a Corporation of Illinois. Filed May 27, 1921. Serial No. 473,176. 3 Claims. (Cl. 70—128.)

3. In a gear shift lever lock the combination with a ball member, of a lever slidably engaged therewith, a spring in said ball member for supporting said lever in operating position, locking lugs on said lever for holding the lever locked against movement when lowered, spring impelled latch means surrounding the lever for holding

the lever locked against retraction in lowered position, and key operated means for releasing said latch means to permit return of the lever to normal operating position.

1,579,769. MATERIAL-HANDLING APPARATUS. HAROLD FRANK JONES, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,153. 12 Claims. (Cl. 117—16.)

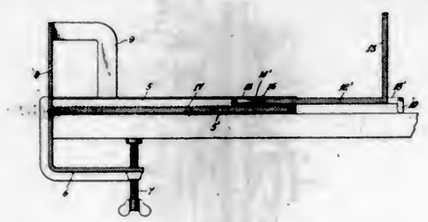


1. In a spindle, a support therefor, means for shifting the spindle upon said support, said means upon movement cooperating with said support to shift the spindle thereon, a member movable relatively to said means, and a resilient element cooperating with said member for maintaining said means in a set position.

1,579,770. BAG OR GRIP CARRIER FOR USE ON AUTOMOBILES. HENRIETTA L. KELLY, Santos, Brazil. Filed May 1, 1924. Serial No. 710,384. 5 Claims. (Cl. 224—29.)

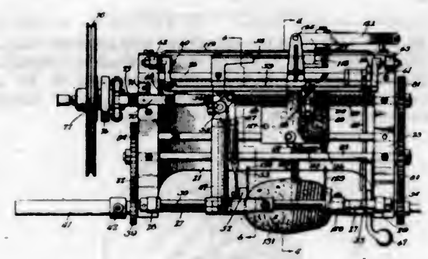
5. In a bag or grip carrier of the character described, a removable holder comprising an outside supporting member provided with a channel and rack an upstanding

bracket on said member adapted to surround an exterior binding on the grip adapted to be held in said carrier, an inside supporting member slidable upon said outside



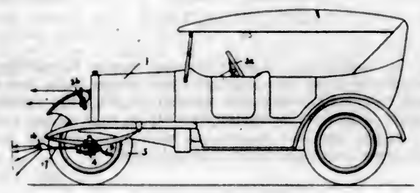
member, and ratchet means adapted, by co-operating with said rack, to limit the inward movement of said inside member.

1,579,771. VEGETABLE PEELER. BERNARD P. KOOLS, Appleton, Wis., assignor to The Kools Manufacturing Company, Appleton, Wis., a Corporation of Wisconsin. Filed Nov. 4, 1921. Serial No. 512,752. 39 Claims. (Cl. 146—43.)



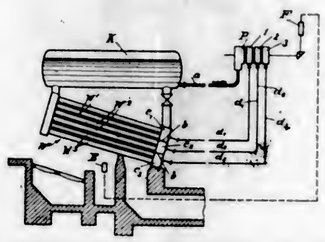
1. In a vegetable paring machine, a vegetable paring means, and means for causing said paring means to follow closely the surface of said vegetable and to be maintained substantially normal to the surface of said vegetable irrespective of the irregularities therein or of the length thereof.

1,579,772. SUPPLEMENTARY-HEADLIGHT DEVICE. JAMES C. LITTLEJOHN, San Francisco, Calif. Filed Feb. 24, 1925. Serial No. 11,044. 2 Claims. (Cl. 240—62.)



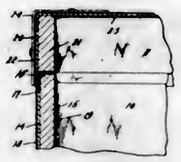
1. A supplementary dirigible headlight device for a road vehicle including a horizontally supported arm and a horizontal extension from said arm carrying a lamp, said extension being resiliently supported on said arm for limited universal movement relative thereto.

1,579,773. METHOD OF AND MEANS FOR CONTROLLING THE WATER CIRCULATION IN WATER-TUBE BOILERS. FRANZ LÖBEL, Brunn, Czechoslovakia. Filed June 5, 1924. Serial No. 718,034. 16 Claims. (Cl. 122—406.)



1. The method of controlling the water circulation in water tube boilers, consisting in supplying water and in positively producing in various separate regions of the water tubes unequal and variable speeds of water which correspond to the different temperatures existing in the said regions.

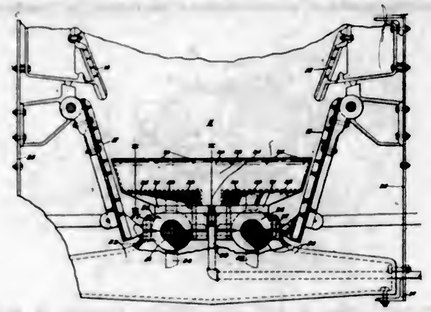
1,579,774. TRAVELING BAG. MILTON LOWY, Port Chester, N. Y. Filed Jan. 16, 1925. Serial No. 2,806. 3 Claims. (Cl. 190—49.)



1. A suit case comprising a box-shaped body part, a box-shaped lid adapted to close the same, a reinforcing frame within and resting against the bottom wall of said body part and having its upper edges projecting above said body part, and a reinforcing frame within and resting against the top of said lid and having its free edges disposed so that the free edges of said lid project beyond the same, whereby the projecting portions of said lid are brought against the outer faces of the projecting portions of the frame of said body part and the frame of said lid engages the upper edges of the frame of said body part when the lid is in its closed position, the reinforcing frames together being coextensive in length and width with the side and end walls of the suit case, the engaging surfaces of the lid and the upper edges of the frame of the body part being of a shape that there is no tendency for one to slide over the other on account of pressure applied to the top and bottom of the suit case.

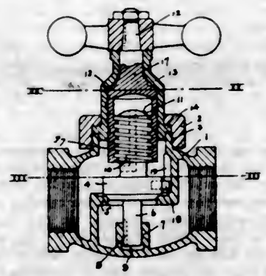
1,579,775. CLINKER GRINDER. ALBERT G. MCGARVEY, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1921. Serial No. 501,063. 11 Claims. (Cl. 110—171.)

1. In combination in a clinker pit, a grinder roll in the lower portion thereof, a bearing for said roll intermediate the ends of said pit, and means including a guide member overlying the portion of said roll engaging with



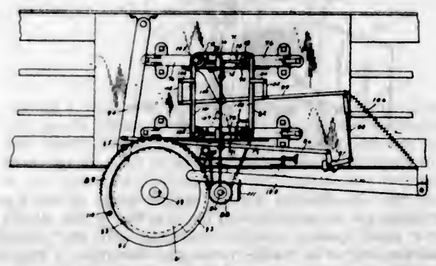
said bearing for rendering the clinker portion of the refuse friable.

1,579,776. VALVE. ROBERT C. MONTEAGLE, Burlingame, Calif. Filed Mar. 30, 1925. Serial No. 19,254. 1 Claim. (Cl. 251—47.)



In a valve of the character described a tubular bonnet with a valve operating stem fitting therein and extending therethrough, and a series of circumferential grooves on the confronting surfaces of the stem and bonnet respectively, the grooves in the bonnet being staggered in relation to the grooves on the stem.

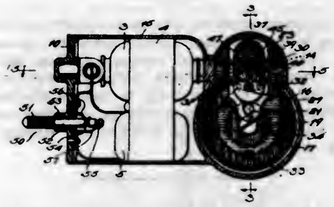
1,579,777. AUTOMATIC BALING MACHINE. THOMAS S. PEARSON and JOHN H. GENTRY, Kokomo, Ind., assignors, by mesne assignments, to said Gentry and Carl A. Porath. Filed Nov. 6, 1919. Serial No. 336,189. Renewed Sept. 29, 1925. 13 Claims. (Cl. 100—20.)



1 In a baling machine, a baling chamber, a plunger movably mounted in said chamber, a needle movable transversely through said plunger and baling chamber, said baling chamber having a wire along one side thereof adapted to be carried through from one side of said plunger to the other, disposing portions of said wire transversely across the baling chamber, and means for elevating one of said transversely disposed sections out of the path of said needle during the return stroke of the needle.

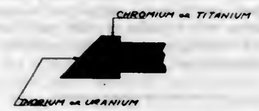
8. In a baling machine, a baling chamber, a plunger reciprocatingly mounted therein, needles adapted to move transversely through said baling chamber, cranes pivotally mounted upon and adapted to travel with said plunger, said needles being pivoted to said cranes, a crank arm associated with and adapted to swing said cranes towards or from the baling chamber, a trunnion on said crank arm, a guideway in which said trunnion travels, said guideway having diverging sections, one of which extends in line with the movement of said plunger and the other at an angle thereto, and automatically operated means for causing said trunnion to travel in either of the diverging sections of the guideway, whereby the cranes and needles will be held inoperative or caused to operate, incident to the movement of said plunger.

1,579,778. WINDSHIELD WIPER. AUGUSTE PINEAU, Chicago, Ill. Filed Jan. 30, 1925, Serial No. 5,684. Renewed Feb. 25, 1926. 8 Claims. (Cl. 74—14.)



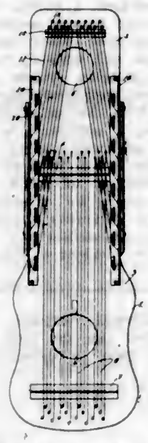
8. In combination, an oscillatory shaft, a rotating crank pin, a cylindrical head on the shaft, a box slider having a guide way embracing the head, said head having a plurality of projections forming a pinion of smaller diameter than the diameter of the head, said slider having an inwardly extending flange having teeth co-operating with said pinion and a bearing in the end of the slider co-operating with said crank pin.

1,579,779. X-RAY TARGET. HARVEY C. RENTSCHLER, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 13, 1921. Serial No. 461,051. 16 Claims. (Cl. 250—35.)



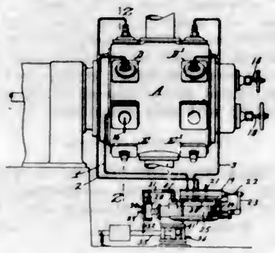
1. An X-ray target having a focal spot of a material of high atomic weight surrounded by a material of low atomic weight and having a melting point above 1500° C., said materials being sintered together on their contiguous surfaces.

1,579,780. STRINGED MUSICAL INSTRUMENT. PAUL F. RICHTER. Boston, Mass., assignor to The Phonoharp Company, Boston, Mass., a Corporation of Maine. Filed Dec. 3, 1924. Serial No. 753,607. 19 Claims. (Cl. 84—263.)



18. A stringed musical instrument having a series of strings, a bridge for said strings arranged at an angle thereto, and staple shaped elements having their loop portions projecting above said bridge and against which said strings bear to hold them in spaced relation, said loop portions sloping downwardly in one direction, each of said elements having a downwardly sloping string receiving slot therein.

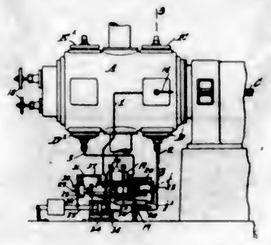
1,579,781. VARIABLE-CAPACITY COMPRESSOR. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 19, 1923. Serial No. 663,539. 16 Claims. (Cl. 230—24.)



1. In a variable capacity compressor, the combination with a cylinder and a plurality of unloading devices each acting to partially unload the cylinder, of pressure controlled governor mechanism including means for successively bringing one of said devices into action a plurality of times during each of the cylinder unloading and loading operations.

1,579,782. REGULATOR FOR VARIABLE-CAPACITY COMPRESSORS. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 19, 1923. Serial No. 663,540. 19 Claims. (Cl 230—24.)

1. In a varied capacity compressor, the combination with the cylinder and a plurality of unloading devices, of separate control valves and fluid connections for the respective unloading devices, said control valves being subject to constant pressure tending to move them into loading position, and a member controlled by receiver

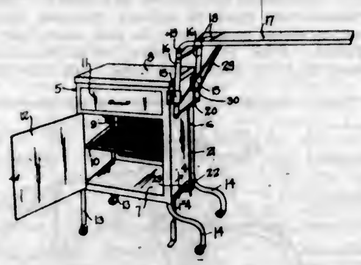


pressure acting to vary said constant pressure on said control valves successively to control said unloading devices for unloading and loading the cylinder.

1,579,783. TRIMMING DEVICE. VICTOR ROSS, Bothell, Wash. Filed June 9, 1924. Serial No. 718,701. 2 Claims. (Cl. 30—11.)

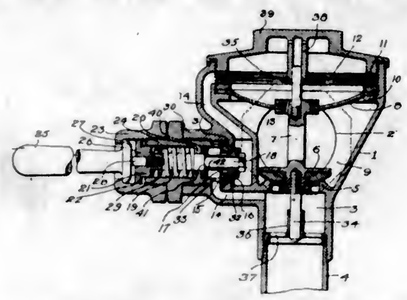
1. A trimming device comprising a support, an elongated extensible support, a cutter mounted on the extensible portion of the support, means operable from the other end of the support for operating the cutting mechanism, means for attaching the support to the body of the operator, an arcuate plate adapted to fit the body at the waist line and having eyes through which the belt of the operator may be passed and a universal joint connection between the plate and said support.

1,579,784. COMBINATION BEDSIDE CABINET AND TABLE. LEON ROTHSCHILD and JOHN M. LIFTAY, New York, N. Y., assignors to Hospital Import Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1925. Serial No. 1,550. 3 Claims. (Cl. 45—17.)



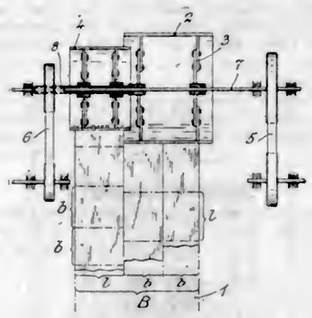
1. The combination with a cabinet some of the legs of which are extended beyond the base line of the cabinet, of a table member slidably associated with the cabinet and adapted to be readily removable therefrom, a hinged locking member through which passes a rod depending from said table member, said locking member when in horizontal position being adapted to unlock said table member to permit the same to have sliding movement relative to the cabinet and means for operating said locking member.

1,579,785. FLUSH VALVE. WILFRED J. ROULEAU, Quincy, Mass. Filed Aug. 6, 1921, Serial No. 490,200. Renewed Dec. 2, 1924. 1 Claim. (Cl. 137—93.)



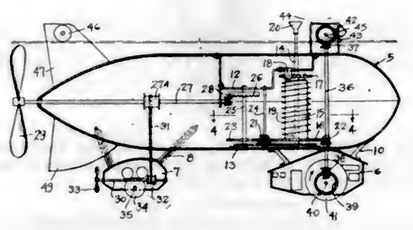
In a valve, the combination with a valve casing having a duct, of a fitting removably secured to the casing and provided at its end with a valve seat located in said duct, a spring-pressed valve carried by the fitting and normally engaging said valve seat, said valve having a stem extending axially through the fitting and provided at its outer end with an enlarged portion, and also having an axial bore at its outer end, a spring-pressed pin slidable in said bore, a cap member secured to the fitting and provided with an opening in its outer end, a tiltable handle extending through said opening and having a head enclosed within the cap and constructed so that tilting movement of the handle will cause one side of the head thereof to engage the enlarged end of the valve stem and thus open the valve, the spring-pressed pin normally holding the handle yieldingly in axial alignment with the valve.

1,579,786. CUTTING UP CONTINUOUS PAPER WEBS INTO SINGLE SHEETS. ANDERS EMIL RYBERG, Snaroen, near Christiania, Norway. Filed Dec. 27, 1923. Serial No. 683,027. 2 Claims. (Cl. 164—17.)



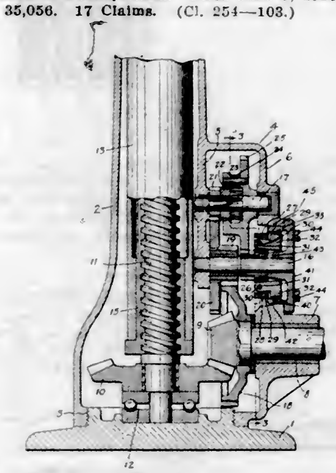
1. In a method of cutting up a continuous web of paper into single sheets, the steps of slitting the continuous web longitudinally to form a plurality of separate ribbons, one or more of which have a breadth corresponding to the length of the single sheets, whereas the rest have a breadth corresponding to the breadth of the single sheets, and winding the several ribbons on separate reel sections or reels; the reel sections for the ribbons whose breadths correspond to the length of the sheets having their circumference adjusted to the closest possible approximation to a multiple of the breadth of the sheets, whereas the reel sections or reels for the ribbons whose breadths are equal to the breadth of the sheets have their circumference adjusted to the closest possible approximation to a multiple of the length of the sheets.

1,579,787. MECHANICAL TOY. FREDERICK L. SCHLEY, Brooklyn, N. Y., assignor to Ferdinand Strauss, New York, N. Y. Filed Jan. 14, 1925. Serial No. 2,243. 3 Claims. (Cl. 46—48.)



1. A toy airship comprising a body portion, housings on said body, a motor in said body, a ground engaging wheel associated with one of the housings, propellers on said body portion and on some of said housings and shaft members in said body and in the housings operated by the motor for actuating the propeller and the ground engaging wheel.

1,579,788. SELF-LOWERING SCREW JACK. FRANK H. SCHWERIN, Bellevue Borough, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 5, 1925. Serial No. 35,056. 17 Claims. (Cl. 254—103.)

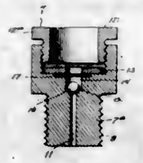


1. A screw jack having a base and a load member and a run-down lifting screw for raising the load, a casing and a centrifugal brake mechanism therein geared to the screw, the casing having a circular opening concentric with the axis of the centrifugal brake mechanism, and a cap for said opening, said cap having a central support for the rotary part of the centrifugal brake and being provided with external and internal surfaces, respectively fitting the casing and to cooperate frictionally with said rotary part of the centrifugal brake.

1,579,789. MEANS FOR TESTING THE COMPRESSION OF ENGINE CYLINDERS. PIERRE FRANK SONNEK, Woodhaven, N. Y. Filed Sept. 28, 1922. Serial No. 591,007. 4 Claims. (Cl. 137—69.)

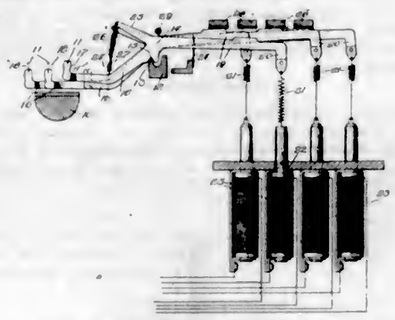
3. A device for connecting a pressure indicator to a cylinder of an internal combustion engine comprising a

member having an externally threaded dependent portion, a bore centrally disposed within said member, said bore being provided with a valve seat, a valve coopera-



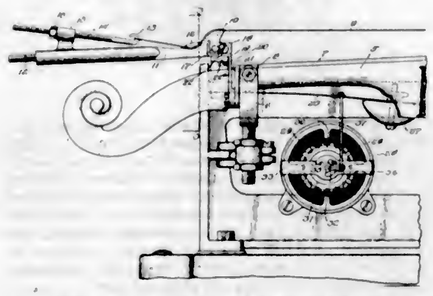
tively associated with said seat and means detachably connected to said member for supporting a pressure indicator in communication with said bore.

1,579,790. FINGERING DEVICE FOR STRINGED INSTRUMENTS. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,194. 5 Claims. (Cl. 84—11.)



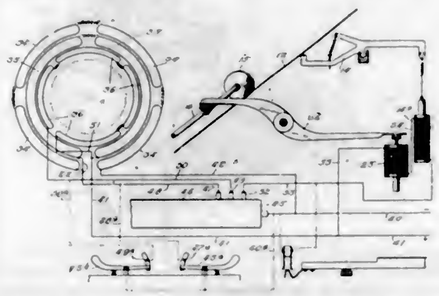
4. A fingering device for self-playing string instruments, comprising a lever having a string-engaging notch in its headed end and fulcrumed to extend said notched head beneath the string, means for actuating the lever having a resilient connection therewith, and stops over the lever limiting the rise thereof.

1,579,791. TREMOLO DEVICE FOR SELF-PLAYING STRINGED INSTRUMENTS. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,196. 12 Claims. (Cl. 84—11.)



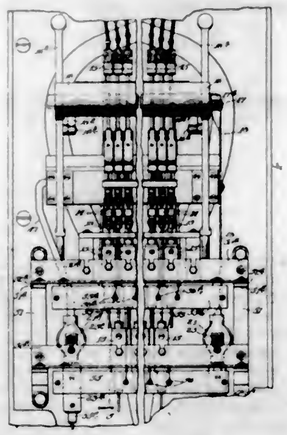
11. In a tremolo device for self-playing stringed instruments, means for supporting the ends of the strings, a resilient bracket to which said supporting means are secured, said bracket being vibratable longitudinally of the strings, a vibratory member comprising a weighted spring, means for imparting movement thereto, and a plate rigidly connecting said vibratory member to said resilient bracket to cause vibration of the latter.

1,579,792. SELF-PLAYING STRINGED INSTRUMENT. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1922. Serial No. 582,458. 6 Claims. (Cl. 84—11.)



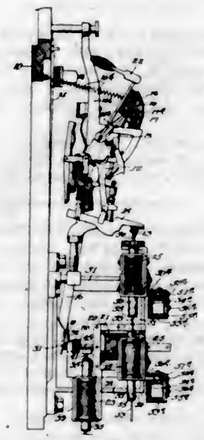
4. In a self-playing musical instrument, a stringed instrument, sounders normally out of engagement with the strings thereof; and means for imparting continuous movement to said sounders, consisting of an alternating current motor comprising a squirrel cage rotor, a stator having individual sets of four-pole windings, bipolar windings and split phase windings, means for passing current through the four-pole windings and bipolar windings in series, means for cutting out the four-pole winding to impart an increased rate of rotation to the rotor, and means for passing a shunt current through the split phase windings to decrease the speed of rotation of the rotor; automatic means controlling the circuits of said windings; and means for engaging the sounders with the strings of the instruments, said last-mentioned means being actuated by circuits independent of the circuits through the motor.

1,579,793. PIANO-PLAYING-DEVICE EXPRESSION CONTROL. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 14, 1922. Serial No. 568,226. Divided and this application filed Apr. 9, 1924. Serial No. 705,241. 5 Claims. (Cl. 84—23.)



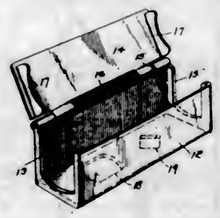
5. In a piano action, a spring-held member, an electromagnet having an armature operative upon the closing of the electric circuit of said magnet to actuate said member against the force of its spring, a second electromagnet having a spring-projected armature adapted to lock the first armature in projected position, said second mentioned magnet operating upon closure of its electric circuit to retract its armature and release the first-mentioned armature, and controlling means for the circuits of said electromagnets comprising a tracker bar, associated contacts, and an interposed music sheet.

1,579,794. PIANO-PLAYING-DEVICE DAMPER CONTROL. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 14, 1922. Serial No. 568,226. Divided and this application filed Apr. 9, 1924. Serial No. 705,242. 3 Claims. (Cl. 64—23.)



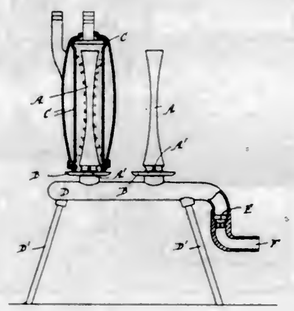
2. In a piano action, damper operating means normally tending to move the damper against the strings, an electromagnet having an armature operated upon the closing of the electric circuit of said magnet to actuate said operating means and retract the damper, a second electromagnet having a spring projected armature adapted to lock the first armature in projected position, said second-mentioned magnet operating upon closure of its electric circuit to retract its armature and release the first-mentioned armature.

1,579,795. REAMER WRENCH. BERNARD G. SEARS, Guerneville, Calif. Filed May 26, 1925. Serial No. 32,996. 4 Claims. (Cl. 81—119.)



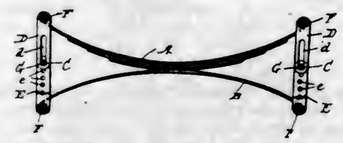
1. A combined wrench and protecting device, for reamers which comprise blades and an adjusting nut at each end of said blades, for adjusting them, said device comprising a box-like body portion adapted to span and house said blades and having its end walls shaped to form wrenches, adapted to simultaneously engage the nuts of the reamer.

1,579,796. CLEANSING MEANS FOR MILKING-MACHINE TEAT CUPS. THOMAS SHIELS, Invercargill, New Zealand. Filed July 1, 1925. Serial No. 40,819. 5 Claims. (Cl. 15—2.)



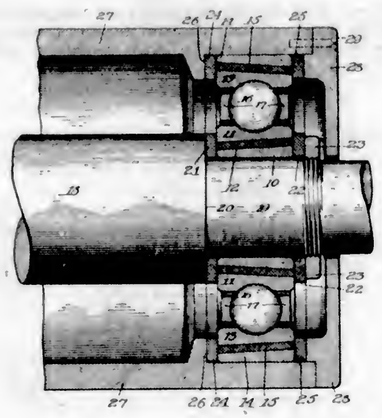
1. Teat cup cleansing apparatus for suction-operated milking machinery, comprising a set of perforated vertical cores in communication at their lower ends with a source of cleansing fluid supply; and a member encircling the lower end of each core for supporting an inverted teat cup which is passed over the respective core and which rests top end down upon such member to make an air-tight joint therewith while its other end remains connected with a source of suction whereby the cleansing fluid will be drawn upward by the suction through the lower ends of the cores and sprayed through the perforations in said cores against the internal walls of the cups.

1,579,797. VEHICLE AND LIKE SPRING. CHARLES WALDERMAR NORMAN SORENSEN, Hamilton, New Zealand. Filed June 4, 1923. Serial No. 643,358. 1 Claim. (Cl. 267—45.)



In a vehicle spring, the combination of a main bow spring, an auxiliary spring bowed in opposition to the main spring, said springs having their bows directly contacting with each other at their centers, and pair of shackles connecting the corresponding ends of the springs together; each shackle comprising two pairs of spaced plates between the outer ends of which the free ends of the springs are arranged, the plates of one pair being formed with oppositely-located longitudinal slots and having their inner ends overlapping those of the plates of the other pair, the said other pair of plates being formed with a longitudinal series of oppositely-located holes, end bolts connecting the outer ends of the plates and to which the ends of the springs are attached, and a central bolt interchangeably engaged in said holes and projecting at its ends through said slots to adjustably connect the overlapping inner ends of the plates and thereby vary the tension of the bearing of the auxiliary spring upon the main spring.

1,579,798. ANTIFRICTION BEARING. HENRY A. VAIL, Chicago, Ill. Filed Aug. 22, 1923. Serial No. 658,727. 2 Claims. (Cl. 308—184.)



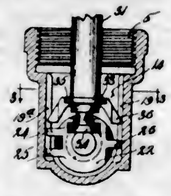
1. An anti-friction bearing comprising inner and outer race members, one of said members being made of hard metal sections separated by a section of insulating material, said sections being tapered and pressed firmly together while being assembled, whereby energy is prevented from passing from one hard metal section to the other.

1,579,799. ART OR REFINING OILS. RUSSELL WILES, Riverside, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed July 11, 1921. Serial No. 483,861. 4 Claims. (Cl. 196—8.)

1. The process of refining oils for the production of gasoline which comprises subjecting hydrocarbon gases containing gasoline constituents to the absorbent action of reduced crude oil, admixing the reduced crude oil with crude oil containing gasoline and heavier constituents and fractionally distilling the mixture.

1,579,800. GATE VALVE. BELVIN T. WILLISTON, Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Feb. 15, 1924. Serial No. 692,979. 2 Claims. (Cl. 251—61.)

1. A gate valve having a casing provided with spaced parallel valve seats, a valve head comprising a pair of independent members each having a face cooperating with one of the valve seats, lugs projecting from opposite edges of each of said members and fitting into guide grooves in the inner surface of the casing, a stem having a disk like enlargement at one end, said enlargement being seated in a circular socket in the valve head and constraining the head to move axially with and to substantially the same amount as the stem, a hand wheel having threaded engagement with the opposite end of the stem for imparting axial movement to the latter, and lugs projecting in opposite directions from the stem



into the aforesaid guide grooves to prevent rotation of the stem, the latter lugs engaging the guide grooves at points above the lugs upon the valve head.

1,579,801. EXPLOSIVE FUEL MIXTURE AND METHOD OF MAKING THE SAME. JOSEPH E. BABB, Pittsburgh, Pa., assignor to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1924. Serial No. 756,071. 6 Claims. (Cl. 44—9.)

1. A fuel composition comprising an explosion motor fuel and a gum of resinous character that is soluble in gasoline, combined with a lead oxide.

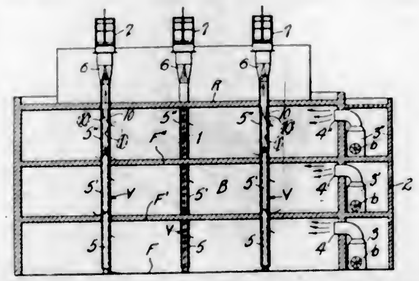
1,579,802. EXPLOSIVE FUEL MIXTURE AND METHOD OF MAKING THE SAME. JOSEPH E. BABB, Pittsburgh, Pa., assignor to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1925. Serial No. 9,301. 7 Claims. (Cl. 44—9.)

1. A fuel composition composed of a distillation product of rosin and oxide of lead, the acids of the rosin being in excess of the quantity thereof which the amount of contained lead is capable of neutralizing.

1,579,803. FUEL MIXTURE FOR INTERNAL-COMBUSTION ENGINES. JOSEPH E. BABB, Pittsburgh, Pa., assignor to Waverly Oil Works Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1925. Serial No. 25,136. 5 Claims. (Cl. 44—9.)

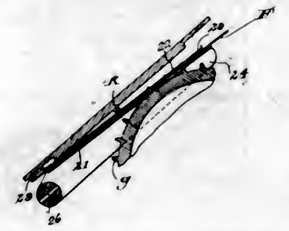
1. In a fuel mixture for internal combustion engines, the combination with a lead oxide, of an organic acid compound in quantity sufficient to chemically unite with the lead present after combustion, for rendering substantially all of the lead volatile or gaseous.

1,579,804. VENTILATION. HENRY BAETZ, St. Louis, Mo., assignor to Skinner Bros. Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Mar. 13, 1925. Serial No. 15,383. 1 Claim. (Cl. 98—27.)



In a ventilating system, the combination with a room to be ventilated, of a pent-house adjoining said room, a valve-controlled opening between the pent-house and said room and a valve controlled opening between the pent-house and the outdoors, an air-moving device within the pent-house and having an air outlet directed toward said room, and a plurality of ventilating units uniformly distributed over the floor area of said room, each of said ventilating units comprising an air receiving conduit and an air-discharge cowl mounted at the top thereof, and said receiving conduit having two air intake openings in spaced relation, and means for closing either of said intake openings.

1,579,805. FILM FEEDING AND REGISTERING MECHANISM. JOSEPH A. BALL, Jamaica Plain, and ERNEST A. GALLISON, Watertown, Mass., assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Aug. 3, 1921. Serial No. 489,529. 37 Claims. (Cl. 88—18.)



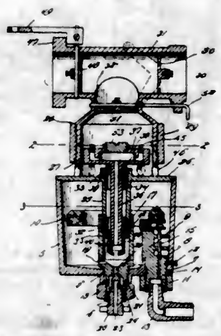
1. The method of recurrently registering succeeding sections of a cinematographic film in a film gate which comprises intermittently advancing the film longitudinally into approximate registration and accurately registering the film after each intermittent advance by shifting the film transversely upon a registering pin.

1,579,806. REGISTRATION OF COMPLEMENTAL IMAGES IN CINEMATOGRAPHY. JOSEPH A. BALL, Wollaston, and DANIEL F. COMSTOCK, Cambridge, Mass., assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Feb. 4, 1922. Serial No. 534,055. 14 Claims. (Cl. 88—16.4.)

1. The method of recurrently registering succeeding sections of cinematographic film relative to a plurality of optical paths which comprises intermittently advancing the film into approximate registration with the optical paths and alternately engaging the film with a registering pin intermediate the axis of the optical paths.

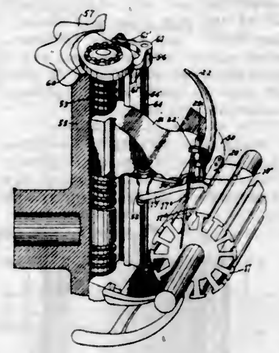
1,579,807. CARBURETOR. ROBERT E. BALLOW, Estancia, N. Mex. Filed May 10, 1924. Serial No. 712,305. 1 Claim. (Cl. 261—88.)

In a carburetor, a fuel bowl, a pipe depending from the top of the fuel bowl and terminating a distance from the bottom thereof, a cylinder rising from the bottom of the bowl and communicating with the pipe, said cylinder merging at its bottom end into a nipple which extends through an opening provided in the bottom of the bowl, drain means at the bottom end of the nipple, said cylinder provided with openings adjacent the bottom of the fuel bowl for receiving fuel therefrom, a hollow stem rotatably mounted within the pipe and the cylinder and having one end terminating within said cylinder and the other end terminating above the fuel bowl, bearings for the stem in both the pipe and cylinder, means on the end of the stem within the cylinder for forcing gasoline from the cylinder upwardly through the hollow stem, a mixing chamber above the fuel bowl and provided with air inlet openings, the upper end of said hollow stem terminating



within the mixing chamber above the openings thereof, a head on the upper end of the hollow stem, fuel outlets projecting upwardly from the head, and fins radiating from the head so that air being thrust through the openings of the mixing chamber will impinge against said fins for causing the rotation of the stem.

1,579,808. ARMATURE-WINDING MACHINE. PENROSE E. CHAPMAN, St. Louis, Mo. Original application filed Mar. 18, 1921, Serial No. 453,863. Divided and this application filed June 28, 1923. Serial No. 648,396. 13 Claims. (Cl. 242—13.)

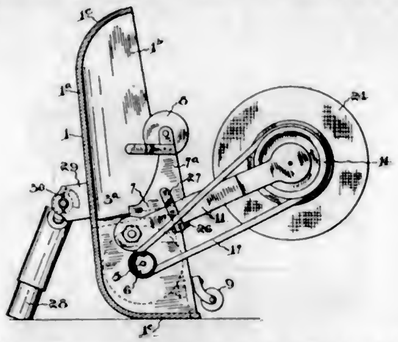


1. In an armature winding machine, the combination of adjustable means for winding an armature with an indexing device acting against the teeth of said armature.

1,579,809. POLISHING APPARATUS. THOMAS H. CLARKSON-JONES, Toronto, Ontario, Canada. Filed Aug. 27, 1924. Serial No. 734,530. 7 Claims. (Cl. 15—49.)

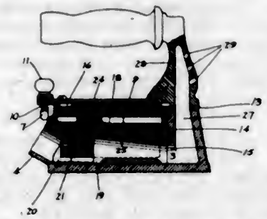
1. In combination a housing, the said housing being adapted to sit in an upright position on its end; a part

extending rearwardly from the back of the housing adapted to engage the floor when the housing is in its



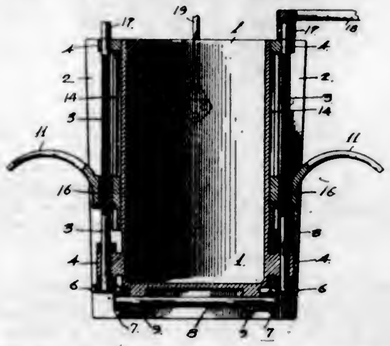
upright position to form with the end of the housing a stable support for the housing; a horizontal shaft carried by the housing; and a polishing tool secured to the shaft.

1,579,810. FLATIRON. CLAUD J. CLEFTON, Owatonna, Minn., assignor, by direct and mesne assignments, to Ruth P. Clefton, St. Paul, Minn. Filed Apr. 4, 1921. Serial No. 458,221. 6 Claims. (Cl. 158—23.1.)



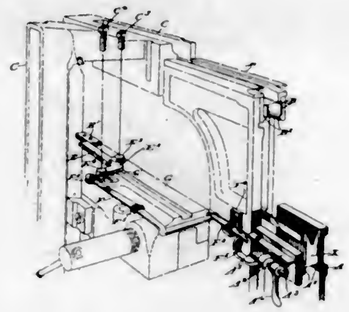
1. A gas flat iron comprising a base having a heating chamber and a socket in one end wall for a gas burner, a baffle wall depending into said heating chamber near the opposite end of the iron from said socket, a flame reflector fitting within said heating chamber, and having one end seated against said baffle wall and its other end adjacent said socket, said flame deflector having a passage therethrough and the walls of said passage converging from said socket to said baffle wall.

1,579,811. MILKING BUCKET. ANTONIO FERRETTI, San Francisco, Calif., assignor of one-half to Thomas Laconi, San Francisco, Calif. Filed Jan. 19, 1926. Serial No. 82,279. 7 Claims. (Cl. 31—54.)



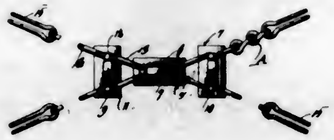
1. The combination with a milking bucket of supports slidably mounted upon diametrically opposed sides of said bucket and arranged to rest upon the knees of a milker; and means for moving the said supports longitudinally of said bucket whereby the same may be adjusted to various elevations on the knees of said milker.

1,579,812. TYPOGRAPHICAL COMPOSING AND CASTING MACHINE. ALFRED W. F. GUEST, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Apr. 16, 1923. Serial No. 632,238. 11 Claims. (Cl. 199—52.)



1. In a typographical composing and casting machine, the combination of means for composing matrices at different levels, means for presenting the composed matrices at different levels to the mold, and automatic means for arresting the operation of the machine after it has been initiated when the matrices are composed at a level in conflict with that at which they are presented to the mold.

1,579,813. ANTISKID CHAIN. FREDERICK M. HARGREAVES, Carterville, Ill. Filed July 7, 1924. Serial No. 724,664. 1 Claim. (Cl. 152—14.)

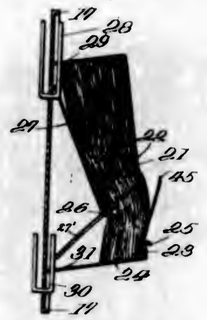


An anti-skid device comprising an elongated plate adapted to extend transversely of the crest of a pneumatic tire shoe and provided with openings in its ends, a pair of elongated plates adapted to be positioned upon opposite sides of the crest of the tire, such plates being spaced from the ends of the plate first mentioned, ground engaging element formed on all of the plates, and elements connecting all of the plates together, and means for securing said pair of plates in position on a tire.

1,579,814. BAG HOLDER. CARL R. HELLSTROM, Minneapolis, Minn. Filed Feb. 9, 1923. Serial No. 618,073. 8 Claims. (Cl. 211—2.)

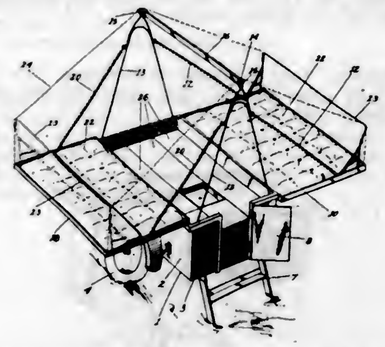
2. A dispensing device for paper bags or the like comprising, in combination, a casing having an opening in its front and openings adjacent the rear edges of its end walls, means at one margin of the front opening

to retain the ends of objects to be dispensed, means in the casing actuated by weight of the casing and contents to move such objects toward the front opening,



and means coacting with the openings in the end walls to retain the casing upon a support, for sliding movement.

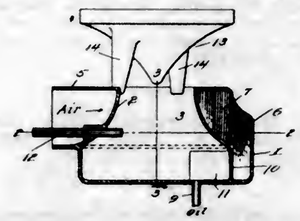
1,579,815. CAMP BODY. ERASMUS O. HUMPHREY, Ripon, Calif. Filed Jan. 22, 1924. Serial No. 687,703. 4 Claims. (Cl. 296—23.)



3. A camping structure comprising a body, bed members hinged along opposite sides of the same and adapted to be swung outwardly to lie in horizontal and opposed relation or to be folded to lie in superimposed order and in inverted relation on the body, rigid frames permanently hinged at their lower ends onto the opposite ends of the body inwardly of the same, and adapted to fold into the body lengthwise thereof and between the beds when the latter are folded, and flexible members extending between said beds and frames to brace the beds against further downward movement, said flexible members being foldable with the frames.

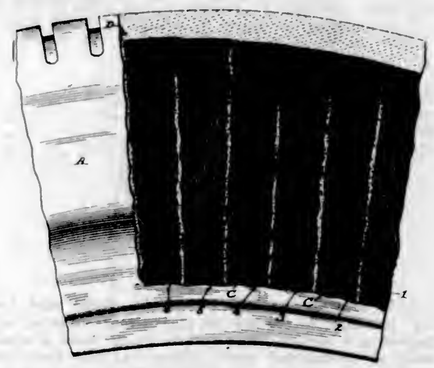
1,579,816. OIL BURNER. JOSEPH F. KAPINOS, Buffalo, N. Y. Filed Oct. 29, 1924, Serial No. 746,563. Renewed Sept. 30, 1925. 1 Claim. (Cl. 158—28.)

An oil burner comprising a single casting in the form of a casing, said casing being provided at the center of the top with a flame discharger opening, there being a wall extending downwardly and outwardly from said opening and joining the peripheral wall of the casing, simultaneously forming a combustion chamber and a surrounding air heating passage, a vertical partition dividing said air passage into separate portions, said casing being enlarged adjacent said partition and formed with openings for passage of the heated air into the combustion chamber, means providing an air inlet for the combustion chamber, diametrically opposite said openings, and a deflector extending laterally across the bottom of



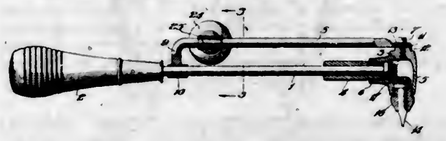
said partition, said deflector being provided with inwardly extending and diverging wings, an oil feed pipe leading to said combustion chamber, and a flame spreader cooperative with said flame discharge opening.

1,579,817. PNEUMATIC TIRE. WALTER P. KEITH, New Castle, Pa., assignor to Seiberling Rubber Company, a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,555. 7 Claims. (Cl. 152—13.)



1. A pneumatic tire embodying a carcass made up of a group of superimposed layers of cords crossing the tire in the same general direction on one side of an axial plane of the tire, the cords of the successive layers crossing at increasing angles to said plane, and another group of superimposed layers of cords crossing the tire on the other side of said axial plane in the same general direction but reverse to that of said first group, the cords of the successive layers of said second group also crossing at increasing angles to said axial plane.

1,579,818. COMBINATION TOOL. HENRIQUE C. KENNEDY, Philadelphia, Pa. Filed Sept. 19, 1924. Serial No. 738,584. 2 Claims. (Cl. 145—66.)



1. A portable tool, driving means, comprising a front closed casing having two bearings therein at right angles to each other, a tool journalled in one of said bearings, a driving shaft journalled in the other bearing and geared to said tool, a one-piece brace rod having its front end attached directly to said casing opposite the enclosed end of the tool and in substantially axial vertical align-

ment with the latter and extending parallel and comparatively close to said shaft and having a bearing at its other end for said shaft, and a handle at the rear end of said shaft for rotating it and the tool, said brace being adapted to be grasped by the user and the pressure thereon being exerted upon the tool in axial vertical alignment therewith.

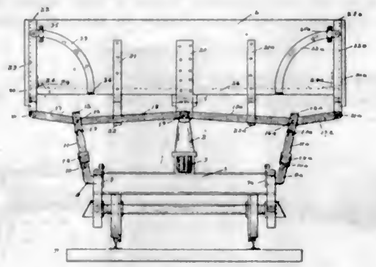
1,579,819. SEAMLESS PLATED WIRE. CLIFFORD G. KING, Providence, R. I. Filed May 4, 1925. Serial No. 28,002. 3 Claims. (Cl. 29—182.)

3. As an article of manufacture, a seamless plated wire comprising a core of silver and a shell of white gold united thereto, the said core and shell closely approximating each other in color.

1,579,820. JEWELRY. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger. Filed July 8, 1922. Serial No. 573,636. 3 Claims. (Cl. 63—3.)

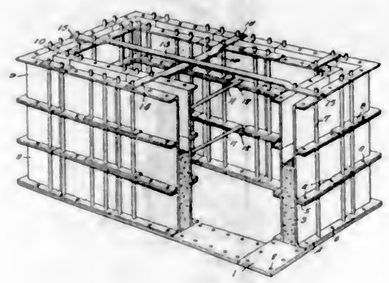
1. In jewelry, the combination of a metal band having openings, a crucifix of transparent material and framed in a corresponding opening in the band, a second band of contrasting metal within the first band, and bends struck from the second band and projecting thru openings in the first band.

1,579,821. RAILWAY DUMP CAR. LINDLEY KLEINHANS, Pittsburgh, Pa. Filed July 27, 1925. Serial No. 46,440. 17 Claims. (Cl. 105—276.)



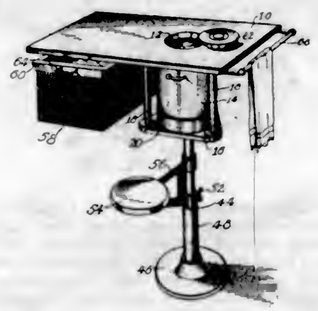
1. In dumping car construction the combination of a car underframe, a tiltably mounted body, members extending upwardly from the underframe on both sides of the car, and arms pivotally mounted on the longitudinal center line of the car body and on said members for normally preventing tilting movement of the body.

1,579,822. TOY. ARTHUR K. KNICKERBOCKER, Crosby, Minn. Filed Mar. 23, 1923, Serial No. 627,148. Renewed Jan. 9, 1926. 12 Claims. (Cl. 25—131.)



1. In a toy of the character described, a wall plate for building purposes consisting of a metallic plate, the upper and lower horizontal edges of which are bent at right angles to the body thereof and provided with spaced apertures, forms for openings, adapted to be used with the wall plates, whose upper and lower edges are provided with apertures, and bracing rods which extend through the wall plate and the form for openings and hold the two securely together.

1,579,823. TABLE. EDITH N. LANGOUTH, New York, N. Y. Filed Mar. 10, 1924. Serial No. 698,167. 2 Claims. (Cl. 45—17.)

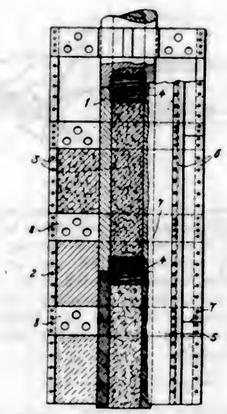


1. Apparatus of the type described which comprises, a pedestal, a plate mounted on said pedestal, guides on the upper surface of said plate to receive a pail, posts mounted on said plate and spaced from each other to permit the placing of a pail on said plate, a table top mounted on said posts with its lower surface closing the upper edge of said pail, said table top having an opening into said pail, and a closure for said opening having its upper surface even with the upper surface of said table top.

1,579,824. ELECTRODE CONSISTING OF LENGTHS THAT CAN BE JOINED TOGETHER IN A CONTINUOUS MANNER. AXEL HUGO LAURELL, Djursholm, Sweden. Filed July 12, 1924. Serial No. 725,618. 4 Claims. (Cl. 204—64.)

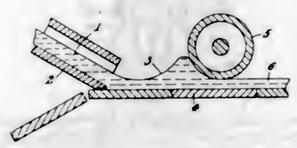
1. An electrode formed in connected sections in line and comprising in combination a tubular body of sections

connected in line and composed of carbonized electrode material, the said body being filled with crude electrode material, an outer layer of crude electrode material sur-



rounding the said tubular body and a sheet metal sleeve surrounding the said outer layer of crude electrode material, substantially as described.

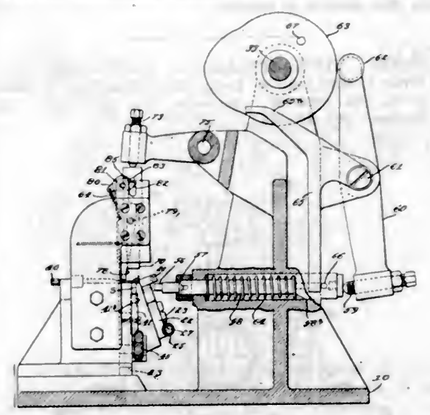
1,579,825. PRODUCTION OF CONTINUOUS STRIPS OF GLASS AND APPARATUS THEREFOR. ERNEST BRISTOW LE MARE, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British Company. Filed Sept. 16, 1924. Serial No. 738,046. 12 Claims. (Cl. 49—33.)



1. Process of producing a continuous strip of glass consisting in forming a pool of molten metal leading to a pass which forms the strip, the pass dimensions being substantially equal to the thickness of the strip and greater than the width of the strip, characterized by the pool being unconfined in respect to its edges up to and through the pass, but confined in respect to its back end.

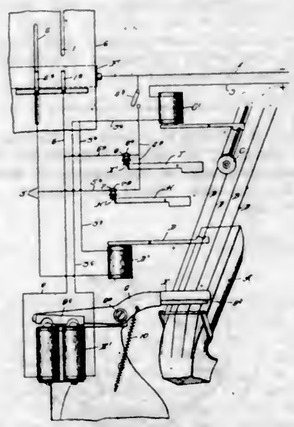
1,579,826. BUTTON-MAKING MACHINE. CHARLES H. MILLIKEN and AUGUSTUS HECK, Newton, Mass., assignors to Charles H. Milliken, doing business under name and style of Milliken Machine Co., Newton Mass. Filed Apr. 19, 1924. Serial No. 707,603. 5 Claims. (Cl. 79—2.)

1. An automatic button making machine, comprising a supply chute for button heads with shank wires fitted therein, a carrier mounted for reciprocation to receive the buttons from said chute, said carrier equipped with an inclined button support adapted to deliver the buttons therefrom by gravity, an operative station equipped with a button supporting plate to which the buttons are delivered from said carrier, means for holding the buttons pressed upon said plate during the operative movements thereon, and mechanism engaging



the shank wires of the buttons at such operative station to first preliminarily bend the same, and then complete the curling of the shank wire into a completed button eye.

1,579,827. VIOLIN DAMPER DEVICE. BERTIE E. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1924. Serial No. 712,617. 4 Claims. (Cl. 84—11.)



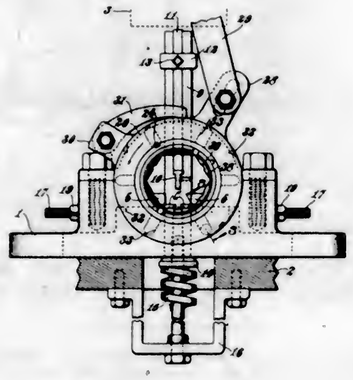
1. In means of the character set forth, the combination with a plurality of strings, of a damper device normally engaging all the strings in advance of the fingering device, and means for actuating said damper device to free the strings from such engagement in the operation of playing upon any string as an open string.

1,579,828. PROCESS FOR PRODUCING A PREPARATION FOR TREATING ARTERIOSCLEROSIS. VLADISLAV MLADĚJOVSKÝ, Prague, Czechoslovakia. Filed Dec. 12, 1924. Serial No. 755,563. 2 Claims. (Cl. 167—7.)

1. A process for producing a preparation of Drosera comprising subjecting finely ground Drosera to extraction with a solution of silicate of sodium, while avoid-

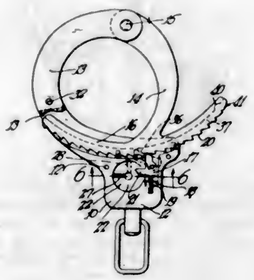
ing the precipitation of the silicic acid, and thereupon inspissating the solution in a known manner in a vacuum to a state of concentration such that the silicic acid only just remains in solution.

1,579,829. NUT-CASTELLATING MECHANISM. EDWARD J. MOELLER, St. Louis, Mo. Filed Mar. 1, 1920, Serial No. 362,337. Renewed Dec. 14, 1923. 15 Claims. (Cl. 10—72.)



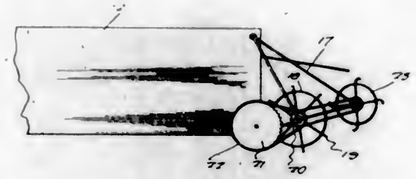
1. In a machine of the character described, a die adapted to externally engage a nut blank, a holder adapted to position the nut with respect to said die, a punch adapted to cooperate with said die to castellate the blank, and means for moving said holder rotatively in timed relation to said punch.

1,579,830. HANDCUFF. JOHN J. MURPHY, Norwich, Conn., assignor, by mesne assignments, to Peerless Handcuff Company, a Corporation of Massachusetts. Filed Feb. 1, 1924. Serial No. 690,067. 10 Claims. (Cl. 70—24.)



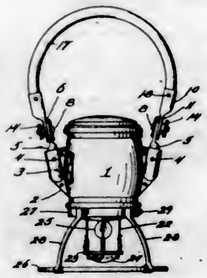
1. In a handcuff, a frame, locking means therein, a locking arm mounted on said frame and adapted to be moved in one direction into engagement with said means, said engagement permitting continued movement of the arm in said direction, and means operable by said arm at a predetermined point in such movement to withdraw the locking means from engagement with the locking arm and permit the latter to be moved in a reverse direction.

1,579,831. MANURE SPREADER. GIDEON L. NICHOLS and EDWARD L. NICHOLS, Bloomville, N. Y. Filed June 11, 1924. Serial No. 719,379. 1 Claim. (Cl. 275—3.)



A manure spreader including in combination, a body, a pair of triangular-shaped frames fixed to the rear of the body, one on each side thereof, the upper apexes of the frames being attached to the sides of the body, a pair of distributing drums journaled in the other apexes of the frame, bracing means extending from the lower apexes of the frames to the body, said frames being disposed so that the rear drum has its axis above the axis of the front drum.

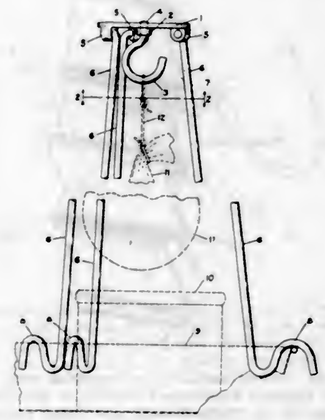
1,579,832. ELECTRIC LANTERN. HENRY B. PATCHE, Kansas City, Mo., assignor to Genesy Electric Lantern Co., Rawlins, Wyo., a Corporation of Wyoming. Filed May 21, 1923. Serial No. 640,376. 2 Claims. (Cl. 240—10.5.)



1. In an electric lantern, a bail comprising an inverted U-shaped portion, downwardly-converging sections consisting of tubular upper ends receiving and secured to the ends of the inverted U-shaped portion, and flattened lower ends having openings and facial protuberances above and below said openings, and sections alined with the first-named sections respectively, and consisting of lower tubular ends and flattened upper ends fitting flatwise the flattened lower ends of the first-named sections and provided with openings registering with the openings of said first-named sections, and recesses for receiving the said protuberances when the bail is upright, in combination with a bolt extending through each pair of registering openings, and nuts engaging said bolts, and adapted to cooperate with the bolts in clamping the flattened ends of said sections unyieldingly together when the bail is upright, with the said protuberances engaging the said recesses respectively.

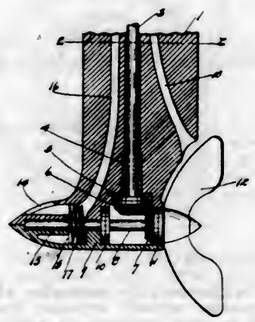
1,579,833. TRIPOD FOR HOLDING JELLY BAGS. MARY REBECCA PHINNEY, Indianapolis, Ind. Filed Apr. 16, 1925. Serial No. 23,603. 1 Claim. (Cl. 248—30.)

A bag holder comprising a plate having integrally formed lugs disposed in spaced relation about its margin on its under side, supports for said plate having their upper ends bent over at right angles and pivoted in said lugs to swing toward and from the center of the plate said supports having their lower ends bent



to fit over the rim of a pan, and a hook rotatably mounted in and depending from said plate substantially centrally of said lugs, substantially as set forth.

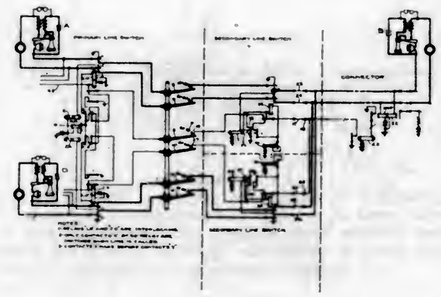
1,579,834. MARINE PROPULSION DEVICE. JAMES H. PIERCE, Bay City, Mich. Filed Oct. 10, 1924. Serial No. 742,814. 12 Claims. (Cl. 115—17.)



1. In a marine propulsion device provided with a vertically disposed knife edged wedge shaped power shaft housing, a propeller shaft housing, a power shaft in said power shaft housing, water intake and outlet passages adjacent the power shaft, and a intake port in the propeller shaft housing and communicating with said intake passage.

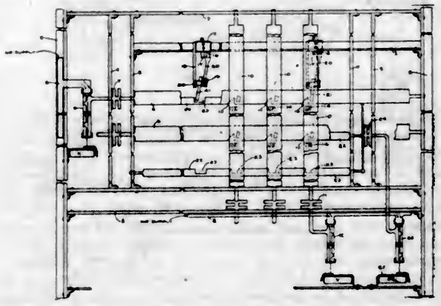
1,579,835. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 6, 1921. Serial No 467,476. 15 Claims. (Cl. 179—18.)

1. In a telephone system, an automatic switch provided with sets of brushes and fixed terminals, a plurality of independent incoming circuits, one incoming circuit terminating in each set of brushes, a plurality of trunks terminating in said fixed terminals, means for rendering trunks busy, and means for operating a switch



to extend its incoming circuits to idle trunk circuits in response to the initiation of a call over one of said incoming circuits.

1,579,836. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 14, 1922. Serial No. 543,696. 6 Claims. (Cl. 179—27.5.)

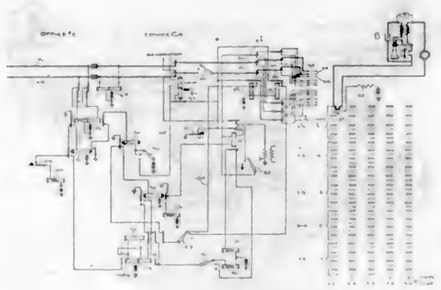


1. In a telephone system, a group of telephone lines, a group of trunks, multiple terminals of said lines and multiple terminals of said trunks placed in adjacent relation to each other, a relay individual to a subgroup of telephone lines, a second relay individual to a second subgroup of telephone lines but including one telephone line of said first subgroup, fluid-controlled means for closing the terminals of a trunk with the terminals of the line common to said subgroups, said fluid-controlled means being actuated by said relays, means controlled over a calling telephone line for operating a pair of said relays, and means for preventing the simultaneous operation of more than one pair of said relays.

1,579,837. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 23, 1922. Serial No. 596,280. 6 Claims. (Cl. 179—18.)

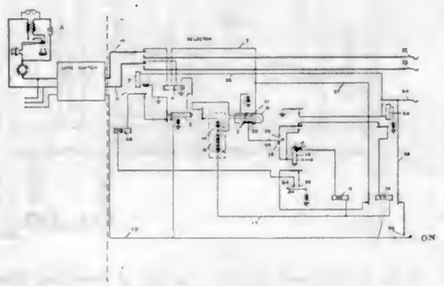
1. In an automatic telephone system, an incoming circuit, a plurality of outgoing circuits, an automatic switch for interconnecting said incoming circuit with any

of said outgoing circuits, a device for generating impulses in said incoming circuit, means responsive to each group of impulses for advancing said automatic switch one



unit of space, and other means controlled by the number of impulses in a group for governing the interconnection effected by said automatic switch.

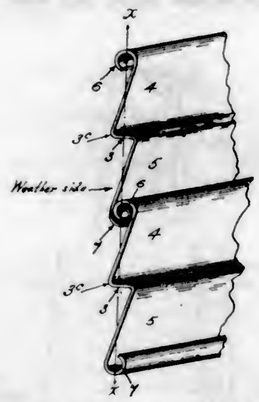
1,579,838. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 6, 1923. Serial No. 623,262. 20 Claims. (Cl. 179—18.)



1. In an automatic telephone system, an incoming circuit, outgoing circuits, automatic switching means for extending said incoming circuit to any of said outgoing circuits, a source of direct current, and means including an electron discharge device provided with a control element, an impulse circuit including said control element extending over two sides of said incoming circuit in series, said control element being governed over said impulse circuit by current from said source for directively controlling said automatic switching means.

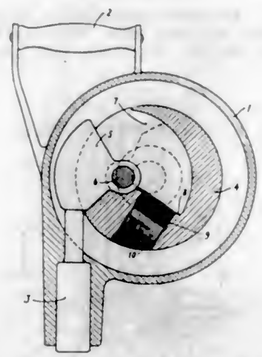
1,579,839. SLAT FOR METALLIC ROLLING SHUTTERS. JOSEPH C. RAPER, Covington, Ky. Filed Dec. 29, 1922. Serial No. 609,744. 2 Claims. (Cl. 189—56.)

1. As an article of manufacture, a slat for metallic rolling fire-shutters comprising an elongated body portion or strip of flat sheet-metal having a substantially horizontal rib section medially thereof with the upper and lower portions of said body extending obliquely from the forward and rear ends respectively of said rib section to



cross the vertical axis of the completed slat, and oppositely disposed hook-shaped formations arranged along the edges of the inclined upper and lower portions.

1,579,840. ROTATING HAMMER. LUDVIK RASCH, Oslo, Norway, assignor to A/S. Fjeldbor, Oslo, Norway. Filed Apr. 1, 1925. Serial No. 20,016. 8 Claims. (Cl. 125—33.)

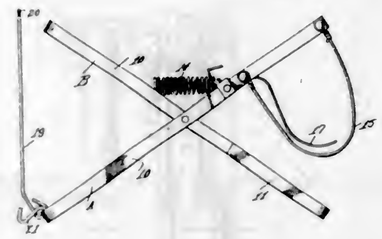


1. In a rotary hammer, the combination of a casing, a hammering member movably arranged therein, a rotating carrier arranged concentrically within the casing, a hammer body pivotally connected with the carrier excentrically to its rotating axis so as to strike against a portion of the hammering member once for each revolution of the carrier, an inwardly closed compartment arranged in the carrier so as to receive the inwardly moving hammer body in its retracted swinging position, the said body substantially filling out the cross section of the compartment, the air contained in the compartment acting thereby as an air cushion during the inward motion of the hammer body.

1,579,841. TRAP. WILLIAM I. RAYMOND, Portland, Oreg., assignor of one-half to Guy M. Raymond, Portland, Oreg. Filed Apr. 13, 1925. Serial No. 22,742. 2 Claims. (Cl. 43—86.)

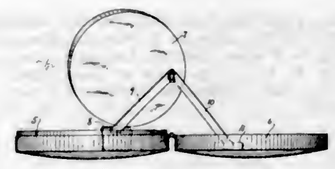
1. An animal trap including a pair of yokes disposed in nested relation and having the intermediate portions of the arms thereof pivotally connected, the free ends of

the arms of one of the yokes being rebent outwardly of the arms and in spaced relation thereto, the corresponding ends of the arms of the other yoke being arranged to slide between said rebent portions and the arms of said



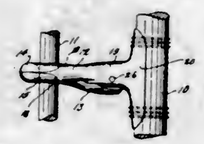
yoke, loops carried by the said slidable ends of the arms of the first yoke, means for swinging the yokes on their pivot to confine an animal between the loops and the rebent portions, and means for holding the parts in set position and releasable by an animal.

1,579,842. VANITY BOX. FREDERICK RETTENMEYER, Meriden, Conn., assignor to The Napier Co., Meriden, Conn., a Corporation. Filed July 16, 1925. Serial No. 43,895. 2 Claims. (Cl. 132—83.)



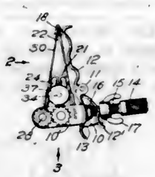
1. The combination with a box, of a cover hinged thereto, a plate hinged to one member, a strap hinged at one end to the other member, and at the opposite end to said plate, whereby, when the box is opened, the plate is lifted to clear both the box and the cover.

1,579,843. SELF-CLOSING SISTER HOOK. ALBERT W. SMITH, Bridgeport, Conn. Filed Jan. 2, 1925. Serial No. 51. 6 Claims. (Cl. 24—232.)



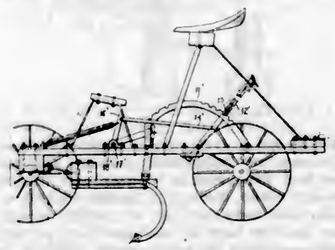
1. In a device of the character described, a pair of oppositely directed similar open hooks pivoted together so as to move laterally toward and from each other in a direction substantially normal to the planes of the hooks, said hooks being flattened on their opposed sides and arranged when closed with the flattened sides together, the outer surfaces forming a continuous surface void of projections, and a spring tending to hold the hooks together.

1,579,844. SAFETY RAZOR. RICHARD H. SMITH, Washington, D. C. Filed June 25, 1925. Serial No. 39,563. 9 Claims. (Cl. 30—12.)



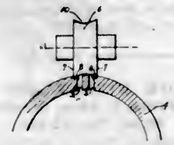
1. In a safety razor, the combination of a plurality of blades, means supporting said blades at an acute angle to each other with their working edges parallel, and means for laterally adjusting said blades to bring said working edges into proper operative relation.

1,579,845. WEEDING MACHINE. JOHN F. SNIDER, Weston, Oreg. Filed Aug. 26, 1925. Serial No. 52,609. 2 Claims. (Cl. 97—144.1.)



1. In a weeding machine, a wheeled platform, a toothed segment thereon, a lever adapted to be operated in conjunction with the segment, a rock shaft rotatably mounted transversely of the platform, an arm thereon, a link connecting the said arm to said lever, arms carried by the said rock shaft at angles to the first mentioned arm, bars, means for loosely connecting the bars to a portion of the wheeled structure, a series of beams on each bar extending rearwardly therefrom and having downwardly curved ends, a weeding blade connected to each series of said beams, an arm attached to each bar at approximately its longitudinal center, and a connection between one of the second mentioned arms and one of the last mentioned arms, whereby motion of the second mentioned arm is communicated to the bar fo relevating the weeder blade of the bar being manipulated.

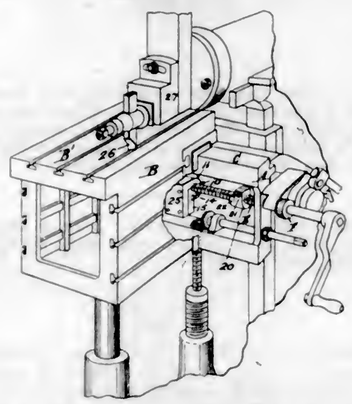
1,579,846. METHOD OF MAKING SCREEN PIPE. ROBERT ALEXANDER STEPS, Los Angeles, Calif. Filed Mar. 30, 1923. Serial No. 628,945. 2 Claims. (Cl. 29—163.5.)



1. The method of making screen pipe consisting in slotting the pipe with pairs of slots, the slots in each pair being close together compared with the distance between pairs, and then simultaneously forcing the edges of the

slots on the outside of the pipe furthermost from each other in any pair, toward each other so as to make each slot narrower on the outside of the pipe than on the inside.

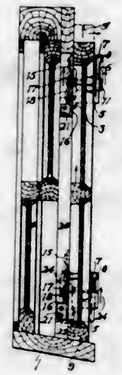
1,579,847. SHAPER. WILLIAM J. STRUEWING, Cincinnati, Ohio, assignor to The Smith & Mills Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 4, 1923. Serial No. 660,776. 1 Claim. (Cl. 192—141.)



A safety coupling device for a shaping-machine, intervening between the reciprocably-movable work-table and the cross-feed driving-screw thereof and comprising a threaded half-round driven-nut member having a downwardly-disposed body-portion, a vertical dovetail rib-formation on the back of the said body-portion, horizontal lugs provided on the opposite sides of the said driven-nut member, a horizontal lug extending from the apron of the work-table beneath the lower end of said driven-nut member, an upright spiral spring resting on the said last-named lug, a socket provided in the lower end of the said body-portion of the driven-nut member and adapted to freely house and accommodate the said upright spiral spring whose vertical expansive-pressure is brought against the said driven-nut member to hold or sustain its thread in actuating-relation with the thread of said driving-screw, a companion or adjunct arched-nut member having a vertical dovetail groove-formation or guideway adapted for the sliding-engagement therewith of the said dovetail rib-formation on the said body-portion of the driven-nut member and said adjunct arched-nut having a smooth or unthreaded underside surface adapted for free bracing and capping engagement with the upper surface of the said driving-screw, and cam-dog means adjustably-mounted on the said driving-screw to automatically and instantly depress the said driven-nut member from active engagement with the lower surface of the driving-screw when the said work-table has reached the opposite ends of its reciprocal stroke in relation to the cutter-tool on the machine, to avoid jamming-damage to the machine after the said reciprocal strokes of the work-table have been duly and properly completed, substantially as shown and described.

1,579,848. DOUBLE WINDOW AND SCREEN CONSTRUCTION. JAMES J. VENO, Greenfield, Mass. Filed Apr. 7, 1925. Serial No. 21,283. 3 Claims. (Cl. 20—55.)

1. A device for attaching a storm window frame or the like to a window frame comprising in combination, supporting brackets attached to the window frame, each bracket having outwardly extending arm portions, an upwardly extending pivot bar portion formed with a stop part on its upper end, the frame having hinges attached thereto that is formed with an eye to receive the stop part of the bracket, the storm frame member and the window frame having cooperating clip members for locking the storm frame member to the window frame, said clip members having interengaging portions that slide on the other in attaching and detaching the same to the window frame.

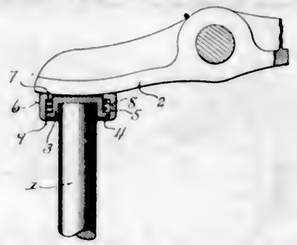


1,579,849. POINTER FOR ELECTRICAL MEASURING INSTRUMENTS. EDWARD F. WESTON, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a Corporation of New Jersey. Filed June 26, 1925. Serial No. 39,825. 4 Claims. (Cl. 116—129.)

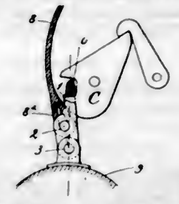
2. A pointer as claimed in claim 1 in which the coil is positioned on the pointer by means of threads which the coil itself has cut.

1,579,850. VALVE TAPPET. ARTHUR WITTIG, West Allis, Wis. Filed Jan. 13, 1925. Serial No. 2,130. 3 Claims. (Cl. 123—90.)

1. In a tappet construction for engines, the combination of a push rod, a cap having a socket housing the end of said rod, a pressure transmitting shell surrounding said socket, and a spring interposed between said socket and said shell, said shell having an inwardly spun portion for retaining said cap.

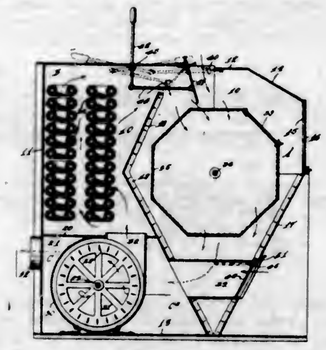


1,579,851. HOOKING RING FOR A MASS SUSPENDED TO RELEASING DEVICES. ROBERT ALKAN and GEORGES LESOURD, Paris, France. Filed June 29, 1925. Serial No. 40,364. 1 Claim. (Cl. 294—82.)



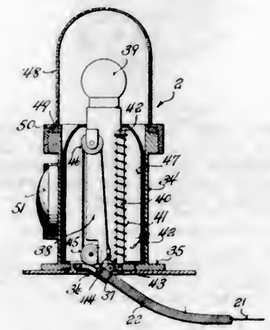
A suspension ring for a mass or body adapted to be secured to a releasing device, characterized by the fact that it comprises, in combination, an eye for fastening the mass to be suspended, then, thereabove, an eye for the purpose of fastening to a lifting or hoisting gear, and further above, an eye for the attachment to the releasing gear, this latter eye being at right angles with the two other eyes and being placed outside the plane passing through the axes of these two other eyes, in order to be thrown in the hoisting position, outside the vertical passing through the two lower eyes for the purpose of allowing the easy hooking or fastening to the suspension hook.

1,579,852. DRIER. WILLIAM ALLINSON, Des Moines, Iowa. Filed July 30, 1924. Serial No. 729,097. 10 Claims. (Cl. 34—5.)



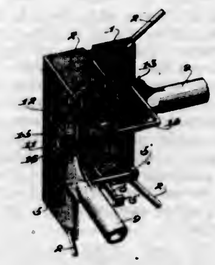
1. In a drier, a casing having a front tumbler compartment, a tumbler therein, a rear upper heater compartment, a heater therein communicating with the tumbler compartment, rear lower pump compartments communicating with the tumbler compartment and the heater compartment respectively, pumps in said pump compartments, and means for regulating the action of the pumps for determining the pressure in the tumbler compartment.

1,579,853. VEHICLE SIGNAL. VLADISLAV ALTMAN, Racine, Wis. Filed Mar. 16, 1925. Serial No. 15,976. 1 Claim. (Cl. 177—329.)



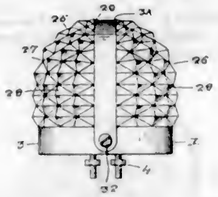
A signal device for an automobile comprising a stationary metallic shell adapted for attachment to the automobile, a transparent elongated cap for said shell, an upright pillar mounted within said shell, an electric lamp carried by the upper end of said pillar and located within the transparent cap, a short slidable metallic sleeve mounted within said shell, a translucent colored sleeve carried by said slidable sleeve, resilient means urging said slidable sleeve and said translucent sleeve towards hidden position within said shell, a flexible cable connected to said slidable sleeve and extending upwardly within said shell, a pulley carried by said pillar at an elevated point within said shell, said cable passing over said pulley and extending downwardly through the bottom of said shell, and means for guiding said cable outwardly from the bottom of said shell.

1,579,854. DERRICK. CARL H. BESSE, Tulsa, Okla., assignor of one-third to Frank M. Maban and one-third to Earnest McCarty. Filed May 11, 1925. Serial No. 29,531. 19 Claims. (Cl. 20—0.5.)



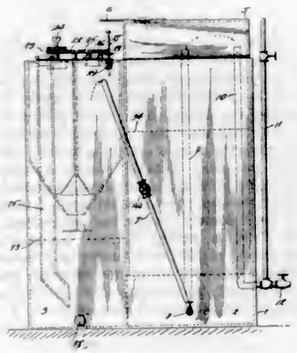
1. A coupling comprising a plate having an upwardly disposed outwardly spaced finger thereon, a girth having an inwardly spaced downwardly disposed finger thereon adapted to interlockingly engage said first finger, and means on the plate engageable with a portion of the girth for preventing vertical movement of the same.

1,579,855. PARKING LAMP. HERBERT G. BEYER, Baltimore, Md., assignor to Rae-Lite Manufacturing Co., Baltimore, Md., a Corporation of Maryland. Filed Sept. 17, 1924. Serial No. 738,280. 7 Claims. (Cl. 240—8.22.)



6. A parking lamp including a base, a light holding means secured thereto, a housing for said light holding means comprising a dome-shaped glass casing having a channel over the top thereof, said channel being adapted to receive a casing holding means.

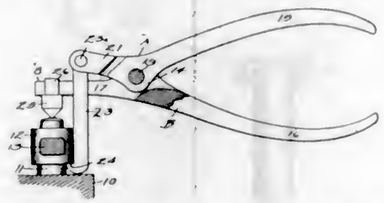
1,579,856. ACETYLENE GENERATOR. JOSÉ L. BRILLANTES, Bangar, La Union, P. I. Filed Mar. 4, 1924. Serial No. 696,860. 1 Claim. (Cl. 48—52.)



An acetylene gas generator comprising a generating chamber, a hopper mounted therein and having an inverted frusto conical lower end through which the contents of the hopper are adapted to pass, a tube extending vertically through the hopper, a cone shaped hollow member formed upon one end thereof, a plurality of radially extending pins carried by the lower end of the cone shaped member and resting against the inverted frusto conical lower end of the hopper, a shaft passing vertically through the tube and having its upper end disposed above the hopper and its lower end projecting through the inverted frusto conical end of the hopper, a disc carried thereby upon which the contents of the hopper are adapted to be discharged, means for rotating the shaft at a predetermined time, an element normally rendering such means inoperative and adapted to move to a position to allow such means to operate upon the depletion of the gas.

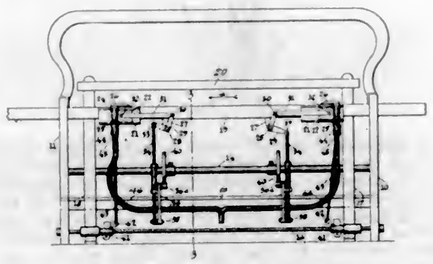
1,579,857. TOOL FOR REMOVING BATTERY TERMINALS. LLOYD W. BUTLER, Des Moines, Iowa. Filed Mar. 19, 1923. Serial No. 626,038. 1 Claim. (Cl. 29—84.)

A combination tool comprising a pair of handles, pivoted together, one of said handles being extended beyond the pivot point to form a supporting member, the other of said handles being extended adjacent to said member and bifurcated, a jaw member pivoted to the supporting member and extended between the arms of the



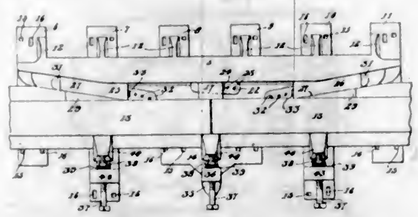
bifurcated member to form a swinging jaw member adapted to coact with the bifurcated member as a jaw, and an adjustable sharpened lug carried between the arms of the bifurcated member.

1,579,858. LOOM. CHARLES CROMPTON, Worcester, Mass.; George Crompton administrator of said Charles Crompton, deceased. Filed Nov. 11, 1919. Serial No. 337,297. 17 Claims. (Cl. 139—116.)



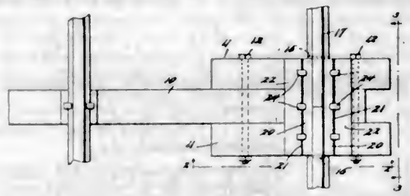
1. A loom, having a shuttle, picking means to lay the filling of said shuttle in the shed of the loom, and means carried by the lay of said loom to withdraw a broken or incomplete pick intact.

1,579,859. RAIL GUARD AND MEANS FOR APPLYING THE SAME. ERASMO DI SPIRITO, Jersey City, N. J., assignor of thirty-five per cent to Emilio Lucciola, Jersey City, N. J. Filed Nov. 5, 1925. Serial No. 67,146. 4 Claims. (Cl. 238—19.)



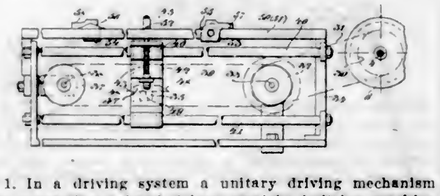
1. A guard rail having a plurality of integral spaced tie plates, wedge abutments formed integral with the inner side of the guard rail, a wedge for each abutment which is movable to cause adjustment of the guard rail and service rail away from each other, and means carried by the free ends of the tie plates for gradually adjusting the guard rail and service rail toward each other.

1,579,860. RAILWAY TIE AND JOINT. SAMUEL EDWARDS, Charleston, W. Va. Filed Oct. 10, 1924. Serial No. 742,934. 2 Claims. (Cl. 238—36.)



1. A composite railway tie comprising a central portion of sufficient width to support an unjointed rail, side portions secured to said central portion at one end only, and extending therebeyond, whereby an enlarged bearing surface is formed at the said end adapted to support a rail joint, said central portion extending under both rails, but the extended side portions forming the necessary margin at the enlarged end, the overall length of the composite structure being that of a standard tie, whereby a notch is formed at the enlarged end between the projecting end portions, which permits ready tamping of the roadbed under the joint.

1,579,861. DRIVING MECHANISM FOR STRAIGHT-KNITTING MACHINES. MAX EISENSCHIML, Asch, Czechoslovakia. Filed Apr. 26, 1923. Serial No. 634,911. 5 Claims. (Cl. 66—164.)



1. In a driving system a unitary driving mechanism for converting a hand driven straight knitting machine with rectilinearly movable carriage into a motor driven one, said mechanism comprising a driving shaft, a clutch between the driving shaft and the carriage of the knitting machine, means comprising an element which after a predetermined number of revolutions of the machine or in the event of a thread rupture will be checked, so as to cause the clutch to be thrown out of mesh, an endless chain actuated by the said driving shaft, means adapted to be reciprocated by the chain, means whereby the carriage of the knitting machine will be engaged by the said reciprocated means and disengaged therefrom.

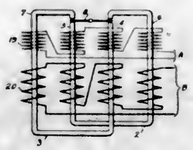
1,579,862. GRAMOPHONE OR THE LIKE. LYNDALL FORSE, Yeovil, England. Filed May 20, 1925. Serial No. 31,516. 12 Claims. (Cl. 274—45.)

1. The combination of a needle holder comprising a revolvable magazine for carrying the needles in position to be gravity operated, needle clamping and releasing means and a controlling member which when operated will release a used needle, rotate the magazine so as to allow the used needle to be carried out of position and the new needle brought into position for gravity operation and clamped in said new position.

1,579,863. PRICE TABLET AND THE LIKE. CHARLES LEWIS GEROLD, Milwaukee, Wis. Filed Nov. 6, 1925. Serial No. 67,252. 2 Claims. (Cl. 40—2.)

1. The combination of a pair of markers each having a body portion provided with a slot adjacent its upper edge and with a pair of prongs extending from its lower edge, one of said markers having its prongs passed through the slot of the other marker, whereby the prongs of each marker are adapted to rest upon a support to thereby display one of said markers.

1,579,864. LOUD SPEAKER. JOHN P. HOBART, Jr., Bluefield, W. Va. Filed Jan. 8, 1923. Serial No. 611,506. 4 Claims. (Cl. 179—119.)



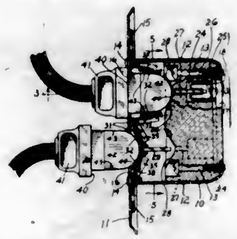
4. In a loud speaker, an armature having a central pivot, a pair of magnets, one extending from the top right hand face, to the bottom left hand face of the armature, and the other from the top left hand face, to the bottom right hand face of the armature and a modulating winding on said magnets with the turns so arranged as to oppose the flux of one of the magnets and increase the flux of the other.

1,579,865. FOUR-DOOR DUPLEX FLUSH RECEPTACLE. HARVEY HUBBELL, Bridgeport, Conn. Filed May 15, 1920. Serial No. 381,766. 6 Claims. (Cl. 173—330.)

1. In a device of the character described, an oblong body member composed of insulating material having enclosed recesses arranged in pairs transversely of said member, a plurality of spaced contacts mounted in said recesses, said member being provided with spaced passages leading to the respective contacts and adapted to receive plug contact blades, said body being also provided with inclined guiding walls leading to said passages, a substantially rectangular face plate provided with a pair of oblong openings extending transversely of the plate and arranged in alignment with said passages adapted to receive a plug body carrying contact blades, supports extending between the said body and the face plate and arranged to secure them together in spaced relation, and doors for said openings hinged to the face plate and arranged to swing on their pivots into the space between the face plate and the body member, and springs tending to hold the doors in position to close said openings.

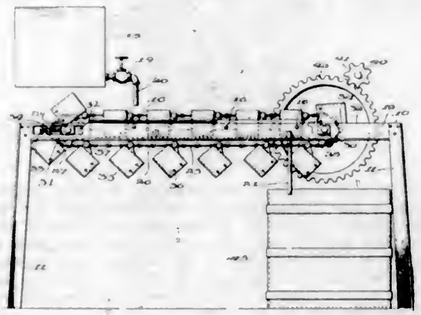
6. In a device of the character described an oblong face plate provided with a pair of spaced substantially rectangular plug receiving openings extending trans-

versely thereof, a pair of doors for each opening provided with transversely extending arms adjacent their opposite ends, ears secured to the rear of the face plate outside the openings and between the openings, pivot pins extending through the arms and ears to pivotally mount



the doors, the two inner doors of the openings being mounted on the same pin with their arms overlapping so that when the doors are opened they are adapted to swing into close proximity, and coiled springs embracing the pins and tending to hold the doors in closed position.

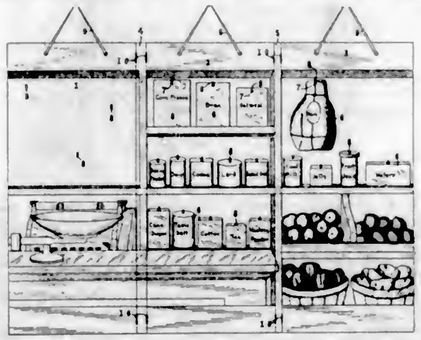
1,579,866. APPARATUS FOR TEMPERING TOOLS AND THE LIKE. ERNEST ELLERY JACOBS and MARSH KARNES, West Frankfort, Ill. Filed Sept. 11, 1924. Serial No. 737,162. 8 Claims. (Cl. 266—6.)



1. In a machine of the character described, a container, means for supplying a tempering liquid to the container, a carrier mounted in proximity to the container, buckets mounted on the carrier and moved through the container by said carrier, said buckets being adapted to receive the articles to be tempered and having openings admitting of the inflow of the tempering liquid thereinto when moved through the container.

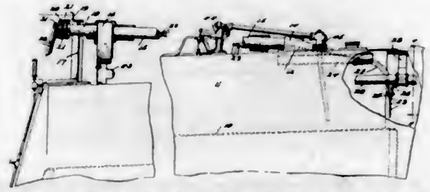
1,579,867. AMUSEMENT AND ADVERTISING DEVICE. JOHN LEONARD KELLOGG, Battle Creek, Mich., assignor, by mesne assignments, to Kellogg Company, Battle Creek, Mich., a Corporation of Delaware. Filed July 28, 1922. Serial No. 578,193. 1 Claim. (Cl. 46—37.)

A device of the character described, including, in combination, a panel provided with representations of shelves, some of the shelves showing the representation of the upper surfaces thereof in perspective and one or more shelves showing the representation of the lower surface thereof in perspective, supports connected with said panel and arranged at varying distances above the representation of said shelves, and a special representation of an article detachably connected with each of said supports, the location of each support and the proportion of each article to be applied thereto being such that the lower end of such representation article occupies its proper position in connection with the representations of the said shelves, the lower ends of the representations of said articles which are to be combined with the upper



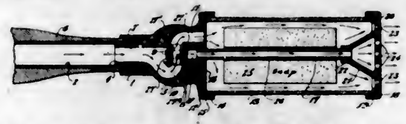
shelf being straight, and the lower edges of the representations of the lower articles being so shaped and arranged as to create the illusion that the eye is looking at them in perspective from above.

1,579,868. WATER-LEVEL INDICATOR FOR TRAVELING BOILERS. WILLIAM F. KIESEL, Jr., Altoona, Pa. Filed Oct. 21, 1920. Serial No. 418,597. 10 Claims. (Cl. 122—4.)



1. The combination with a traveling boiler having a cab, of means for indicating the water level, including a conduit outside the boiler having communication at one end with the interior of the boiler adjacent the central part of its length, its other end being closed and projecting into the cab, a plurality of tubes in said conduit having communication through said closed end each with a gauge cock, and the other ends extending into the boiler and terminating at different elevations.

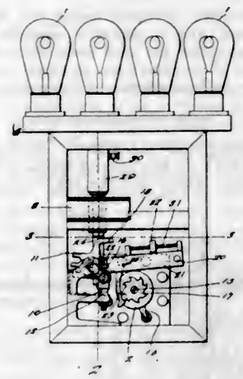
1,579,869. DISHWASHING DEVICE. ALBERT D. KLAGES, Springfield, Mass., assignor to Alkay Specialty Company, Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1924. Serial No. 697,962. 3 Claims. (Cl. 299—84.)



3. A device for the purpose described, having in combination, a casing member to receive a soapy substance, a tube extending through the casing, a perforated closure cap on one end of the casing which is formed with a threaded pyramid shaped hollow portion to which the tubular member is connected by means of the threads to retain the cap on the said member and with which the tubular member communicates, certain of the perforations communicating with the interior of the pyramid shaped portion and other perforations communicating with the

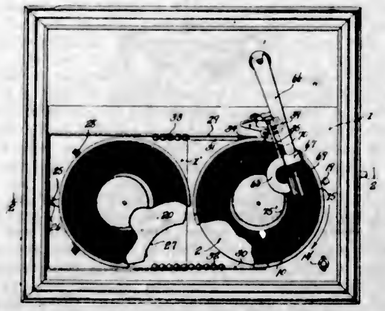
interior of the casing, a hub member attached to the casing and formed with two passage ways, one communicating with the interior of the casing and the other with the tube, a valve having a passage way therethrough adapted to register with either one of the passage ways in the hub member, seats for the valve, the passage way in the valve member being of greater dimensions than the seats for the valve so that when the valve is rotated the flow of water through either of the hub passage ways is not completely shut off before opening the other of said passage ways, as described.

1,579,870. ELECTRIC-SIGN SWITCH. JOHN KLASNICH and JOHN J. ZWALSH, Cleveland, Ohio. Filed July 29, 1922. Serial No. 578,397. 2 Claims. (Cl. 200—90.)



1. In an electric switch, the combination of a solenoid, an armature comprised in said solenoid and having a piston movable with the armature, a cylinder receiving the said piston and having a valved vent, a ratchet wheel, a circular series of spaced terminals, a terminal movable step by step through the medium of the said ratchet wheel, a vertically swinging beam having a lateral projection, a pawl carried by said beam for moving the ratchet wheel step by step, a terminal electrically connected with said spaced terminals, said movable terminal and said solenoid, and a vertically swinging lever electrically connected with the solenoid and having upper and lower arms to be engaged by said lateral projection of the beam.

1,579,871. MULTIPLE RECORD PLAYER FOR PHONOGRAPHS. PAUL KOSECKI and HENRY A. CARLSON, Kenosha, Wis. Filed Feb. 16, 1925. Serial No. 9,482. 5 Claims. (Cl. 274—10.)



1. A multiple record phonograph comprising a tone arm and a rotary disk adapted to receive and simultaneously rotate a stack or records, means controlled by the position of said tone arm for lifting one edge of the uppermost of said records from said stack while said disk rotates, and guides for receiving said record.

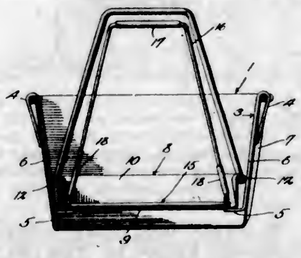
1,579,872. MARBLEIZING PAPER. JOSEF LECJAKY, New York, N. Y., assignor to Joseph Sec, New York, N. Y. Filed Mar. 15, 1924. Serial No. 699,563. 3 Claims. (Cl. 91—68.)

1. The method of marbleizing a paper surface which consists in coating the surface with one liquid agent and then, before the coating dries, applying a second liquid agent to said surface at localized points thereof, one or both of said agents containing coloring matter and one of said agents including a small quantity of hard soap and the two agents chemically co-operating to vary the distribution of said coloring matter on the portions of the surface wetted by both of said agents.

1,579,873. SPRING UPHOLSTERED CUSHION. ADOLPH H. LICHTER, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 17, 1920. Serial No. 389,561. 8 Claims. (Cl. 155—181.)

1. In a back cushion, a base, a plurality of springs connected to said base, a top marginal wire extending around the springs, a pair of sets of stay wires connected to the base at points intermediate the sides thereof and to points along the marginal wire that correspond to the top and bottom of the cushion, the stay wires of each set lying in the same plane, each set being connected to a side of the marginal wire opposed to the side of the marginal wire connected to the other set and adapted for spreading the sides of the marginal wire and the upholstery of the cushion, when said cushion is compressed.

1,579,874. POTATO-CHIP-FRYING APPARATUS. BENJAMIN F. LOCKE, La Crosse, Wis. Filed Nov. 14, 1924. Serial No. 749,989. 1 Claim. (Cl. 53—7.)



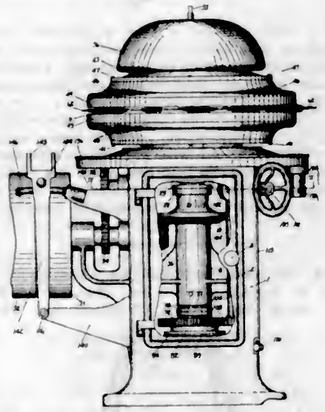
In a device of the character described, a pan, clips having hooks formed at their upper ends, said hooks adapted to overlie the upper edges of the pan, said clips having inwardly extended end portions adapted to

lie in spaced relation with the bottom of the tank, a submerging tray having openings therein and adapted to rest on the inwardly extended end portions, handle portions on the submerging trap, a tray adapted to fit within the submerging tray, said last mentioned tray being constructed of wire mesh material adapted to fit into close engagement with the submerging tray, and a handle on the last mentioned tray.

1,579,875. SNAP-ON NUT. EVERETT E. LUNDBERG, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 24, 1924. Serial No. 701,504. 2 Claims. (Cl. 85—32.)

1. In combination, a nut having a body portion provided with a threaded bore and longitudinally spaced peripheral flanges, one flange having a flat inner face, the second flange having an inclined face extending inwardly from the outer edge thereof to said body, the said body having a flattened peripheral surface between said flanges, and a sheet metal panel having an opening receiving the body of said nut between said flanges, the metal of the panel between said flanges being held by the inclined face of the second flange against the flat face of the first flange and having portions so tightly bearing against the flattened surface of said body that the said nut is prevented from rotating relative to said panel.

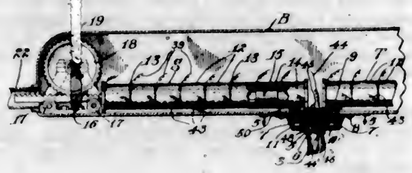
1,579,876. PROCESS AND APPARATUS FOR GRINDING ROLLERS. HANS LUTZ, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed May 29, 1919. Serial No. 300,712. 31 Claims. (Cl. 51—130.)



1. The process of cylindrically grinding rollers between two rotating surfaces comprising revolving the grinding surfaces in opposite directions at different speeds, and giving the rollers a back and forth movement in a path eccentric to the axis of rotation of said surfaces.

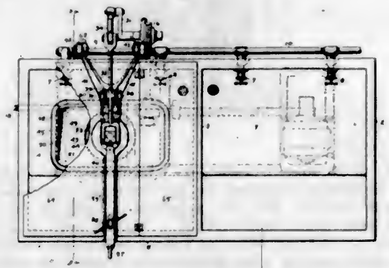
1,579,877. ELECTRIC SEMAPHORE SIGNAL. WALTER J. MCDONNELL, Mattoon, Ill. Filed July 29, 1918. Serial No. 247,173. 4 Claims. (Cl. 177—337.)

1. A semaphore signaling apparatus for transmitting messages by selected combinations of positions of semaphore arms, comprising a casing, two oppositely directed semaphone arms pivotally carried by the casing at opposite ends thereof, the said arms occupying right and left-hand positions respectively, each of said arms being movable selectively into any of more than two signal



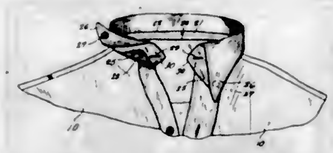
indicating positions, electrical means for operating the semaphore arms, and a manually operable controlling means for controlling the said electrical means to produce a variety of combinations of signal indications of said arms for the transmission of messages.

1,579,878. WASHING MACHINE. MARTHA P. MARBACH and FRANK G. MARBACH, Lakewood, Ohio. Filed July 31, 1923. Serial No. 654,923. 10 Claims. (Cl. 259—113.)



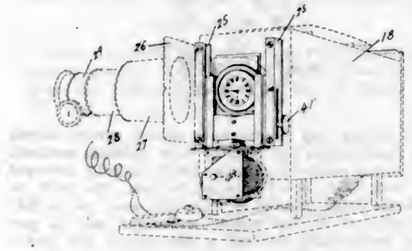
1. A washing machine, comprising a tub and a support therefor, a plunger having a supporting member hinged to a wall of the tub, an oscillatory lever for said plunger detachably connected with said supporting member, and means adapted to oscillate said lever mounted upon said tub support.

1,579,879. COLLAR. JACOB MARGULIES, Brooklyn, N. Y. Filed Oct. 19, 1925. Serial No. 63,352. 5 Claims. (Cl. 2—116.)



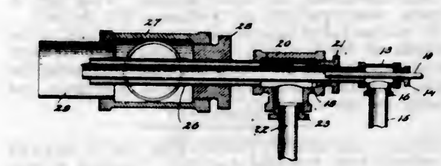
1. In combination, a shirt body, a folding or turn down collar comprising inner and outer folds, said body being secured to the collar intermediate the top and bottom edges of the inner fold so as to leave the lower portion of said fold free, the outer fold being provided with downwardly extending tabs at the front of the collar, securing means mounted on the inner sides of the tabs, and means for cooperating with said securing means on the free portions of the inner fold.

1,579,880. SHADOW-PROJECTING APPARATUS. ALVIN R. MEISSNER, Detroit, Mich., and HENRY H. BYRNE, Washington, D. C. Filed July 30, 1924. Serial No. 729,151. 10 Claims. (Cl. 88—26.)



2. In an apparatus for projecting changeable illuminated signs the combination with a casing having a front opening, an optical condenser at said opening, a lamp back of the condenser and a telescope attached to the casing at said opening; of a frame detachably secured immediately in front of the condenser and back of the telescope, driven pinions journalled in said frame, concentric ring gears fitting within slots provided in said frame and meshing with said pinions, said ring gears being interchangeably mounted in the slotted frame whereby to operate in two directions, dials in said ring gears having shadow effecting means, and a motor for said driven pinions.

1,579,881. OIL BURNER, WALTER H. MILLER, Lebanon, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa. Filed Sept. 16, 1921. Serial No. 501,029. 10 Claims. (Cl. 158—74.)

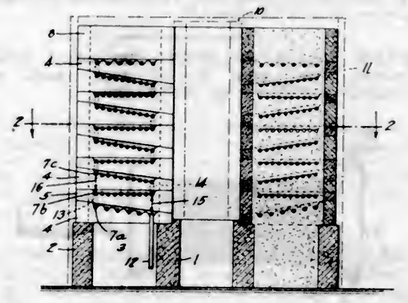


10. A burner of the type described comprising in combination, a pipe coupling having a pipe of uniform interior diameter secured at one end in one of its two aligned openings and extending a material distance therefrom, a bushing in the opposite opening of said coupling, a pipe having a uniform interior diameter less than that of the first pipe extending through said bushing concentrically into the end of said first pipe, an inlet pipe for liquid fuel connected to the third side opening of said coupling, a second larger pipe coupling having a pipe of uniform diameter secured in and projecting from one of its aligned openings and a bushing in the other aligned opening the said second mentioned pipe passing through said last mentioned bushing, coupling and pipe approximately to the end of the pipe and an inlet pipe for gaseous fluid under pressure connected to the third side opening of the last mentioned bushing, a third pipe coupling materially larger than the others having a pipe of uniform diameter secured at one end in one of its aligned openings and projecting therefrom and a bushing in the other aligned opening through which the last two previously mentioned pipes pass into the end of the last mentioned pipe and an air supply pipe connected to the third side opening of said last mentioned bushing.

1,579,882. ELECTRIC HEATER. EDGAR MILLNER, St. Louis, Mo. Filed Aug. 2, 1919. Serial No. 314,868. 33 Claims. (Cl. 219—21.)

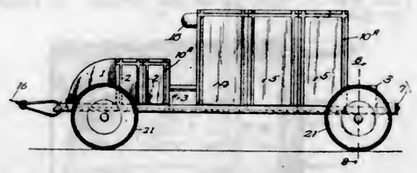
1. An electric heater including a heat radiating casing composed of a pair of cooperating sections each having a pair of spaced connected walls, the walls of one section inter-fitting with the walls of the other section to enclose the heating element of the heater, and the outer faces of the walls of one section complementing the outer faces of the walls of the other section to form the outer surface of the casing.

1,579,883. REACTANCE COIL. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Nov. 19, 1920. Serial No. 425,165. 1 Claim. (Cl. 175—360.)



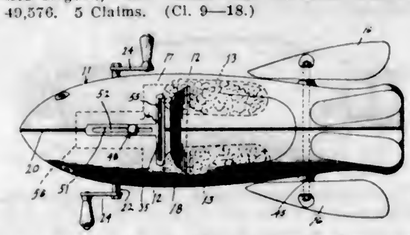
A reactance coil including in combination successive courses of separate blocks having at their edges recesses for the wire so that the latter is embraced between blocks of successive courses and formed with registering passages 9 through them forming continuous passages through the several blocks in each vertical line and a plastic medium in said continuous passages tying the blocks of each line together and imbedding the wires at these points while leaving them free between the blocks.

1,579,884. WHEELED TOY. PHILIP MYERS, Glen View, Ill., assignor to The Toy Tinkers, Inc., Evanston, Ill., a Corporation of Illinois. Filed Nov. 18, 1925. Serial No. 69,770. 13 Claims. (Cl. 46—35.)



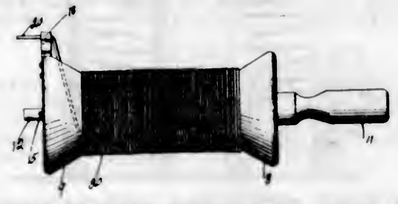
1. In a toy, a supporting member provided with a pair of opposed webs overhanging the top of the said member, a row of supported members carried by the supporting member and each having oppositely directed grooves respectively entered by the said webs, the supported members being slidably attachable from one end of the supporting member, stop means carried by the base member and engaging one end of the said row of supported members, and detachable thrust means engaging the other end of the said row.

1,579,885. SWIMMING APPARATUS. HANROKU OISHI, Los Angeles, Calif. Filed Aug. 11, 1925. Serial No. 49,576. 5 Claims. (Cl. 9—18.)



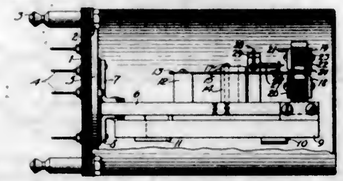
1. In a swimming apparatus, the combination with a buoyant body, of propeller mechanism carried thereby, means for manually actuating the propeller mechanism, a shaft extending transversely through the body, deflector rudders mounted on the shaft and disposed on opposite sides of the body, a lever arm integral with the transverse shaft, an actuating lever mounted in the forward portion of the body and projecting upwardly therefrom, and angularly adjustable for tilting the deflector rudders, and a notched sector for maintaining the actuating lever in its adjusted positions, and a link connecting the adjusting lever and said lever arm.

1,579,886. CHALK-LINE SPOOL. THEODORE J. OXNER, Detroit, Mich. Filed Nov. 19, 1923. Serial No. 675,582. 3 Claims. (Cl. 242—96.)



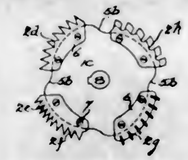
1. In a chalk line spool, a spool portion having a bore formed therein and provided with a radially extending recess, in one of the end faces adjacent the periphery thereof; a stem for insertion into said bore; a handle portion on said stem; and a keeper mounted in said recess, the outer face of said keeper lying flush with said end face and projecting beyond the periphery thereof, said projecting portion of said keeper being bifurcated and adapted for the reception, between said bifurcations, of a cord wound on said spool.

1,579,887. RELAY. EDWARD JACOB PRATT, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1924. Serial No. 736,693. 11 Claims. (Cl. 200—93.)



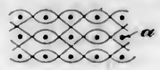
1. An electromagnetic device comprising a magnet having two north and two south polar extensions forming two sets of north and south poles, a coil positioned between said polar extensions, an armature extending between said polar extensions and through said coil, and a contact device loosely supported at one end from said armature.

1,579,888. CUTTING TOOL. RICARDO A. RASZL, Detroit, Mich. Filed Dec. 26, 1924. Serial No. 758,027. 5 Claims. (Cl. 29—105.)



1. A cutting tool comprising a central portion having a hole therethrough and adapted to be rotatably mounted, outer cutting ranges, each range having spirally arranged teeth each tooth in advance of the last, the teeth on each range being adapted to make the same cut so that a plurality of similar cutting operations may be performed during each rotation of the cutting tool, and a gap between each range.

1,579,889. BILLIARD-TABLE CLOTH. FRANK REDDAWAY, Manchester, England. Filed June 12, 1923. Serial No. 644,847. 4 Claims. (Cl. 139—408.)

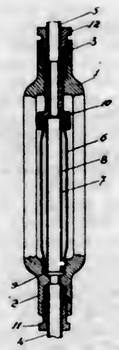


1. A reversible, napless cloth for covering billiard tables, comprising a homogeneous multiple fabric of a plurality of cloths solid woven in the loom from cotton yarns of fine counts doubled into the requisite number of folds and then twisted and gassed and dyed the appropriate color, said fabric being finished so as to produce a solid woven, surfaced, napless, reversible cloth as herein described.

1,579,890. MANUFACTURE OF FELT AND LIKE MATERIALS. ROBERT B. RUSSELL, Manchester, and HERBERT BROOMFIELD, Stockport, England. Filed Mar. 5, 1924. Serial No. 697,143. 4 Claims. (Cl. 18—50.)

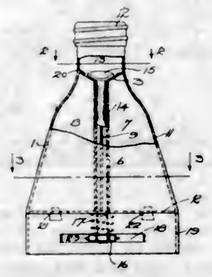
1. The method of manufacturing rubber articles having a basis of felt consisting in impregnating fibers with rubbe rlatex during the felting operation, coagulating the latex, subjecting the resulting material to pressure, and drying the material.

1,579,891. EXPANSION VESSEL FOR USE IN ROTARY PUMPS FOR VISCOUS LIQUIDS. CHARLES SANDOZ, Milan, Italy. Filed Dec. 27, 1924. Serial No. 758,318. 2 Claims. (Cl. 103—223.)



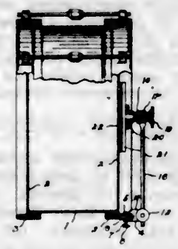
1. In a device of the character described, applicable for use with pumps for pumping viscous liquids, a body having inlet and discharge ends, a transparent tube supported within said body, and an expansible element extending through said tube in spaced relation to the wall thereof to provide an annular air chamber between the tube and element, said element having open ends which communicate with the inlet and discharge ends of said body, whereby a fluid passing through said element may expand the same against the inner wall of said tube.

1,579,892. COMBINED SALT AND PEPPER SHAKER. LORNE SHAW, Walkerville, Ontario, Canada. Filed Aug. 21, 1925. Serial No. 51,575. 3 Claims. (Cl. 65—45.)



1. In a combined pepper and salt shaker, the combination of a main body portion having a substantially centrally located tubular member arranged vertically therethrough and divided vertically into two compartments, a common discharge chamber above said compartments, a wall between said compartments and said discharge chamber in which tubular member terminates, said wall having ports therethrough one from each compartment, a closure member adapted to move over said ports, a rod through said tubular member connected at its upper end to said closure member, and means for turning said rod.

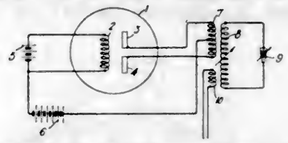
1,579,893. TONE MODIFIER OR SHARPENER FOR DRUMS. EARL L. SIMPSON, Baltimore, Md., assignor to said Simpson and James P. Funk, trustees, Baltimore, Md. Filed Sept. 22, 1924. Serial No. 739,166. 2 Claims. (Cl. 84—411.)



1. A tone modifier for drums comprising, a body provided with means for detachably securing the same to the exterior of a drum by clamping the rim thereof and adjustable means whereby the said body may contact at a pre-determined point on a head of said drum, and means of maintaining positive sustained contact between said body and said head.

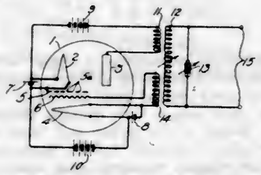
1,579,894. OSCILLATION GENERATOR. HOMER C. SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 31, 1922. Serial No. 564,844. 4 Claims. (Cl. 250—36.)

4. A method of generating electrical oscillations by means of an arrangement including a pure electron discharge device having a cathode and a plurality of closely arranged anodes, said method comprising establishing electron streams from said cathode to said anodes, alternately varying the potentials of said anodes in response



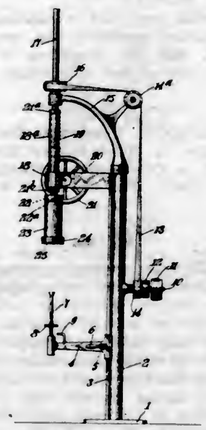
to an oscillating current and utilizing the electric field of each anode to modify the resultant field of the other toward the cathode.

1,579,895. OSCILLATION GENERATOR. HOMER C. SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 8, 1922. Serial No. 566,724. 9 Claims. (Cl. 250—36.)



1. A method of generating oscillations by means of an arrangement including an electron discharge device which comprises establishing a space discharge wtihin the device, projecting a stream of electrons into said discharge and cyclically varying the intensity of said electron stream.

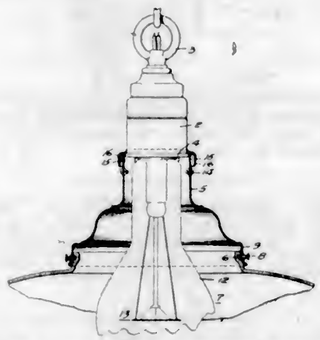
1,579,896. DRILLING APPARATUS FOR SHELLS. HOWARD A. STILLWELL, Woodbury, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware. Filed July 24, 1916. Serial No. 110,886. 9 Claims. (Cl. 86—1.)



1. A drilling apparatus for shells, comprising means to feed a shell downwardly in an inverted position, while rotating the shell, and a stationary drill cooperating with the same.

6. In a device of the class described, a work holding member comprising an open ended inverted cylinder adapted to contain a shell, said cylinder having a centering incline adjacent the base thereof, and an annular cap for said cylinder adapted to support a shell therein.

1,579,897. ELECTRIC-LIGHTING FIXTURE. WHITMAN SYMMES, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Oct. 20, 1924. Serial No. 744,555. 1 Claim. (Cl. 240—78.)



A lighting fixture comprising a lamp socket formed with a cylindrical portion of uniform diameter having a bead at the lower end of said portion, a holder positioned below said socket and slidable thereon, having an inturned flange at its upper end adapted to pass over said cylindrical portion and be suspended on said socket by said flange engaging said bead, means on said holder below said flange adapted to engage said bead and limit the upward sliding movement of the holder on the socket, a bowl of nontransparent translucent material attached to and depending from the lower end of the holder, and an electric lamp seated in said socket.

1,579,898. PHOTOGRAPHICALLY-SENSITIVE RESIST COMPOUND. CHARLES E. TEBBS, New York, N. Y., and JOHN HELFRICH, Westfield, N. J., assignors to Star Company, New York, N. Y., a Corporation of New York. Filed Feb. 11, 1925. Serial No. 8,533. 4 Claims. (Cl. 95—5.7.)

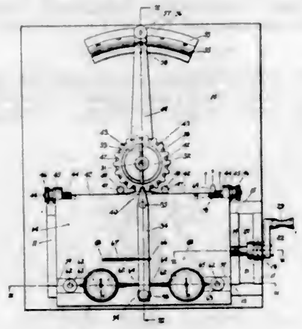
1. In a printing plate used in photoengraving, an adherent and tenacious sensitizing film, proof against electrolytic action, said film consisting of a mixture of dragon's blood, shellac and a chromate of an alkaline metal.

1,579,899. CAR ROOF. WILLIAM D. THOMPSON, Detroit, Mich., assignor to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 28, 1924. Serial No. 689,093. 6 Claims. (Cl. 108—5.4.)

1. In a car roof, the combination with a skeleton frame, of a roof overlying said frame comprising in the main relatively movable metallic roofing sheets and weather-proofing means therefor, and a metallic panel forming a portion of the roof rigidly attached to said frame and serving to brace the same.

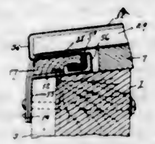
1,579,900. TESTING MACHINE FOR GEAR CUTTERS. SAMUEL TRIMBATH, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed May 12, 1919. Serial No. 296,333. 14 Claims. (Cl. 73—51.)

1. In a device for testing the teeth of a gear or gear cutter, means for rotatably mounting said gear or cutter, a support arranged to move as a rack would move if driven from a perfect mounted gear or cutter, means whereby the movements of the support and cutter are



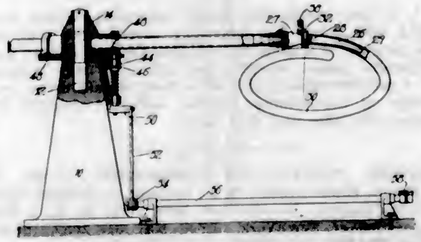
thus harmonized, a rack tooth pivotally mounted on the support and adapted to engage a tooth of said gear or cutter, and means for indicating relative movement between said rack tooth and said support.

1,579,901. CAR ROOF. FREDERICK M. WHYTE, Tarrytown, N. Y., assignor to Hutchins Car Roofing Co., Detroit, Mich., a Corporation of Michigan. Filed Sept. 16, 1918. Serial No. 254,204. 20 Claims. (Cl. 108—5.4.)



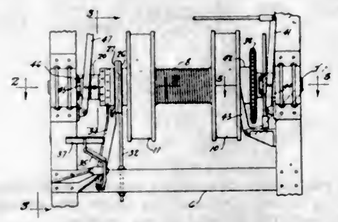
1. In a car roof the combination of a substructure, a plurality of metal roofing sheets arranged thereover, the eaves ends of said roofing sheets terminating in outwardly opening pockets, joint caps for the side edges of the roofing sheets having portions extending within said outwardly opening pockets and an eaves attaching section for the outwardly opening pocket portion of the sheet.

1,579,902. INNER-TUBE-CORE APPARATUS. HARRY WILLSHAW, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Mar. 15, 1924. Serial No. 699,414. 10 Claims. (Cl. 18—2.)



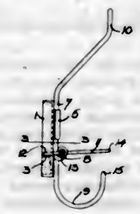
1. A machine of the class described including a turret having a plurality of cores detachably secured thereto and means for blowing the work on said core.

1,579,903. ROTARY DRAW-WORKS CLUTCH AND BRAKE. PAUL YUNGLING, Los Angeles, Calif., assignor to Oil Fields Specialties Company, Los Angeles, Calif., a Corporation of California. Filed May 21, 1925. Serial No. 31,964. 5 Claims. (Cl. 192—12.)



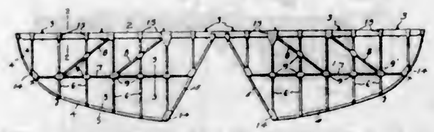
1. The combination of a shaft; means to drive said shaft or permit idling thereof; means to lock said shaft against rotation; a rotatable member journalled on said shaft; and disks for frictionally gripping said rotatable member to said shaft.

1,579,904. CLOTHES HANGER. ALBERT ZAUGG, Detroit, Mich. Filed Mar. 27, 1925. Serial No. 18,655. 3 Claims. (Cl. 248—26.)



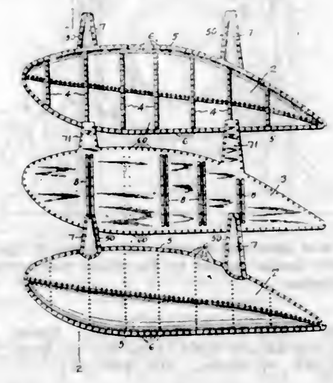
1. A clothes hanger comprising a bracket, a hook slidably mounted between a guide plate and said bracket and adapted to move vertically therebetween, an arm pivotally mounted on said hook and extending within said bracket, said arm being adapted to strike the outer end of said hook when downward pressure is exerted on the latter.

1,579,905. AEROPLANE STRUCTURE. PAUL G. ZIMMERMANN, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y., a Corporation of New York. Filed July 11, 1923. Serial No. 650,768. 1 Claim. (Cl. 244—29.)



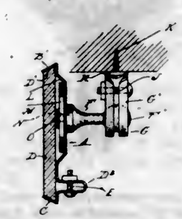
In aeroplane construction, a metal elevator or like frame comprising major and minor edge members, and a system of intersecting ribs of thin material formed into web and face walls, with pairs of plane, spaced junction plates embracing the joints and united at opposite sides to said face walls, the ribs decreasing in depth from the major to the minor edge members in such manner that the face walls of the rib members meeting at the several junctions are flush with each other forming flat seats for the plates.

1,579,906. PONTOON. PAUL G. ZIMMERMANN and BORIS V. KORVIN-KROUKOVSKY, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, New York, N. Y., a Corporation of New York. Filed July 11, 1923. Serial No. 650,771. 3 Claims. (Cl. 244—2.)



1. A pontoon constructed of sheet-metal half sections with external flanges extending the full circuit of their edges, and a central diaphragm held at its margin between said flanges, the flanges and marginal portion of the diaphragm being incorporated into a tight riveted joint, substantially as described.

1,579,907. MIRROR SUPPORT. FRED W. ZINK, Detroit, Mich., assignor to Kales Stamping Company, Detroit, Mich., a Corporation of Michigan. Filed June 5, 1922. Serial No. 565,841. 5 Claims. (Cl. 45—97.)

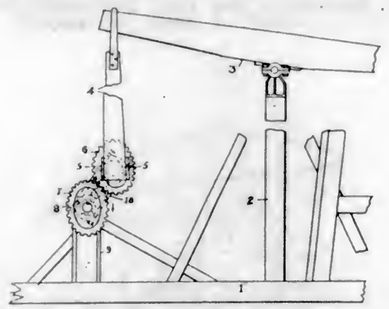


I. A mirror support comprising a one piece plate having tongues formed at opposed edges bent to adapt them for clamping engagement with a mirror, said plate having an integral rearwardly projecting open return-bent portion extending between its edges transverse to the clamping edges, and a clamping member engaging the legs of the return-bend for drawing the same together to correspondingly draw the clamping tongues into firm engagement with the mirror.

1,579,908. LONG-STROKE PUMPING MECHANISM. MERTON T. ARCHER, Pittsburgh, Pa., and JOSEPH R. MAHAN, Toledo, Ohio, assignors to The National Supply Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 13, 1925. Serial No. 22,588. 4 Claims. (Cl. 74—34.)

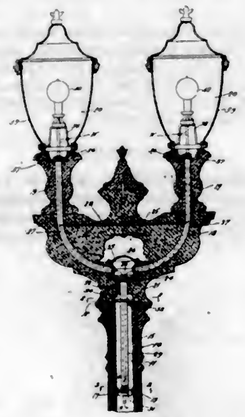
1. A shaft, a pitman, and a pair of planetary gears fixed to the shaft and pitman respectively, each gear

comprising two parallel members connected by a hub, in combination with a frame situated between the mem-



bers of each gear and spacing the centers of the gears apart, and means carried by the frame for linking the gears together.

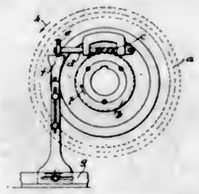
1,579,909. LAMP-POST STRUCTURE. HENRY BARKSCHAT, Los Angeles, Calif. Filed Feb. 24, 1925. Serial No. 11,054. 4 Claims. (Cl. 240—84.)



1. In a lamp post embodying a shaft having a bore therethrough, and a separable cap therefor, means for detachably connecting the shaft and cap, said means including a transverse barrier in the shaft bore at a point spaced from the upper end of the shaft, a connecting rod having a head at one end adapted to be passed through an aperture in the barrier only when the head is in selected position, the head being adapted to be turned out of selected position by rotation of the rod from without the shaft bore when the head is below the barrier, means for preventing rotation of the rod when the head is below the barrier; and means for detachably connecting the cap to the rod.

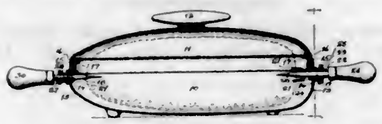
1,579,910. METHOD OF AND APPARATUS FOR COMBINATION PRINTING WITH PRINTING ROLLERS. JOHANN JOSEF BAUER, Budapest, Hungary. Filed Aug. 25, 1922. Serial No. 584,206. 8 Claims. (Cl. 101—178.)

3. In a multi-color printing apparatus, the combination of a rotatable shaft carrying a printing roller, a sleeve secured to said shaft for rotation therewith, a driven member mounted on said sleeve for rotation relatively thereto and adapted to receive motion from a suitable source of power, and means for locking said



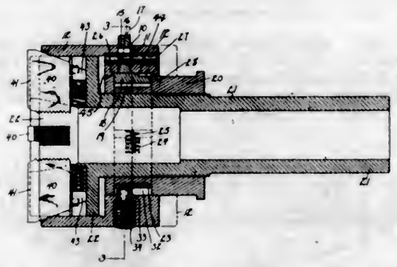
member and sleeve for rotation together and adapted to cause a lag in the rotation of the sleeve once during each complete revolution of said driven member.

1,579,911. CORN SERVER. BERT C. BERRY, Altadena, Calif., assignor to Berry Corn Server Inc., Los Angeles, Calif., a Corporation of California. Filed Apr. 15, 1925. Serial No. 23,218. 8 Claims. (Cl. 65—15.)



1. In a corn server, the combination of an elongated dish provided with vertical slots in its end walls, a cover for the dish, a prong extending through each of the slots, one of the prongs being provided with tines, a sleeve through which the tined prong is slidably entered, a thumb nut threaded onto the said sleeve for clamping the same in vertically adjusted position, and a thumb nut threaded onto the companion prong for clamping the same in vertically adjusted position, substantially as described.

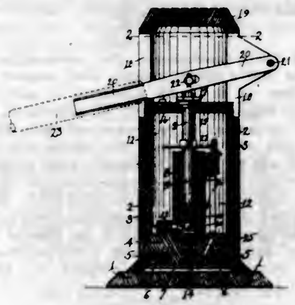
1,579,912. SELF-OPENING DIE HEAD. ALBERT F. BREITENSTEIN, New Haven, Conn., assignor to The Geometric Tool Co., New Haven, Conn., a Corporation. Filed June 25, 1924. Serial No. 722,277. 5 Claims. (Cl. 10—95.)



1. In a self-opening die-head, the combination with the body thereof, of an adjusting-ring threaded upon the said body, an operating-sleeve having sliding axial movement with respect to the said body and having upon its inner face a semi-circular, eccentric locking-abutment, a radially-movable locking-segment carried by the said adjusting-ring in position for engagement with the said abutment of the sleeve, yielding means for moving the said locking-segment bodily outward into engagement with the said abutment, and a tripping-member mounted in the operating-sleeve in position to be externally-operated and adapted to engage with the said locking-segment

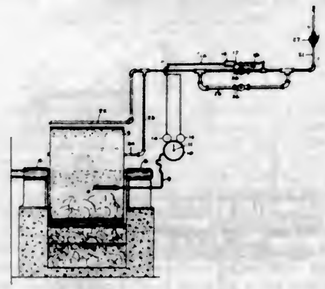
for forcing the same bodily inward from its eccentric locking-position in which it engages with the said eccentric locking-abutment, into its concentric releasing-position in which latter it clears the said abutment.

1,579,913. HYDRAULIC JACK. HARRY E. BRONSON, Tacoma, Wash. Filed Dec. 31, 1923. Serial No. 683,743. 4 Claims. (Cl. 138—9.)



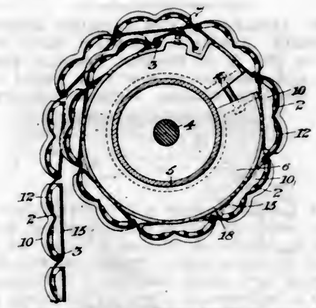
1. A hydraulic jack comprising a cylinder to receive a compression liquid, a hollow ram reciprocable in said cylinder having a closure at one end and provided at the other end with a valved piston-head to control the passage of liquid back and forth between the interior of the ram and the cylinder in which the ram reciprocates, a pump positioned within the ram for forcing the liquid from the ram into the chamber of the enclosing cylinder beneath the piston head of the ram, a jack-head demountably mounted on the upper end of the ram independently of its closure at that end, said closure serving to confine the compression liquid within the hollow-ram when the jack-head is mounted and also when demounted, and an operating lever mounted on the jackhead and connected with a member of the pump to actuate the pump.

1,579,914. VALVE CONTROL IN WATER-COOLED GRINDERS. JAMES GORDON CHALMERS, Bathurst, New Brunswick, Canada, assignor to Bathurst Company Limited, Bathurst, Canada. Filed Nov. 29, 1924. Serial No. 752,990. 3 Claims. (Cl. 236—78.)



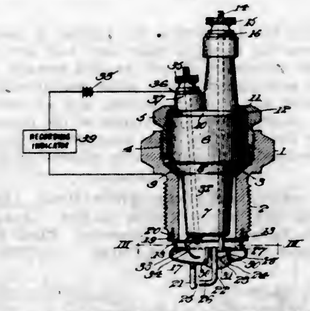
1. A valve control in water cooled grinders comprising a thermostat submerged in the ground wood, a grindstone operating in a grinding pit, a sprinkler connected to a water supply and extending over said grindstone, a valve in said connections and normally shutting off the water supply, means for operating the valve and means affected by the thermostat for bringing the aforesaid operating means into action to open the aforesaid valve and coincidently lower the temperature of product and stone.

1,579,915. ROLLING SHUTTER. MILTON L. CORNELL, New York, N. Y. Filed Oct. 29, 1924. Serial No. 746,629. 9 Claims. (Cl. 189—56.)



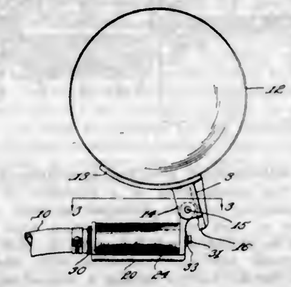
1. In combination, a rolling shutter composed of a plurality of jointed slats, and members on said shutter having means for interlocking engagement upon the rolling of the shutter to lock the latter against lateral movement.

1,579,916. EXPLOSION TELLTALE FOR INTERNAL-COMBUSTION ENGINES. CLARENCE W. CUSHING, Brooklyn, N. Y. Filed May 24, 1924. Serial No. 715,591. 14 Claims. (Cl. 123—169.)



1. An explosion telltale for internal combustion engines comprising, a base, an insulator arranged in said base, an electrode in said insulator, and means on the base actuated by the expansion of the combusted gases in the cylinder, said means being arranged to contact with said electrode.

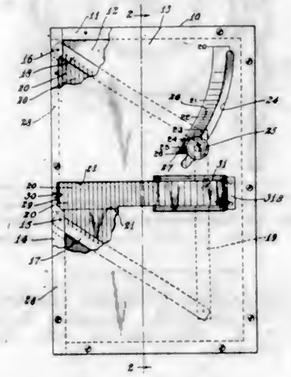
1,579,917. FLOAT STRAINER. WILLIAM L. DEMING, Salem, Ohio, assignor to The Deming Company, Salem, Ohio. Filed Oct. 8, 1923. Serial No. 667,146. 9 Claims. (Cl. 210—97.)



1. A suction strainer comprising an elongated hollow body having its bottom wall closed, and a longitudinal bar at the top and a curved screen extending from one

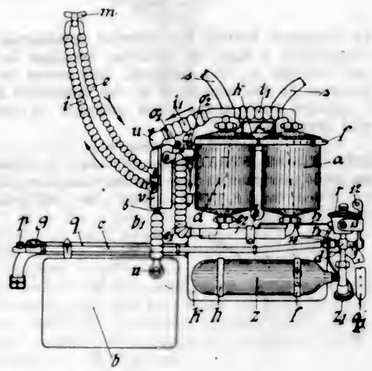
edge of the bottom across the bar to the other edge of the bottom, a hose connection at one end of the body, and a float connected to the other end of the body.

1,579,918. APPARATUS FOR GAUGING ASSOCIATED ELEMENTS. ERNEST O. DIETERICH, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 30, 1922. Serial No. 532,652. 3 Claims. (Cl. 33—174.)



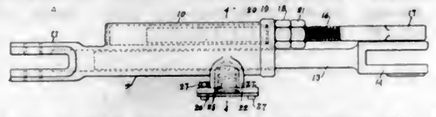
1. A device for determining the number of associated elements occurring within a linear unit, said device comprising a set of equally spaced, parallel strands, means for moving said strands apart while maintaining their equally spaced and parallel relation, and an indicating mechanism, reading directly in terms of the numbers of strands per linear unit in their successive adjusted positions, associated with said moving means.

1,579,919. SELF-CONTAINED BREATHING APPARATUS FOR USE IN NOXIOUS GASES. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed June 9, 1921. Serial No. 476,238. 5 Claims. (Cl. 128—191.)



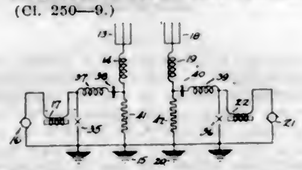
1. In a self-contained breathing apparatus of the kind described, the combination of a plurality of pipes, a fixture consisting of two integral sections extending transversely to each other and provided with bores extending at approximately right angles to each other in different planes and each connected with one of said pipes, said fixture further having a connecting channel extending between said bores to connect the same, and a valve in said fixture for controlling the communication between said bores.

1,579,920. BRAKE MECHANISM FOR USE IN RAILWAY-CAR TRUCKS. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Winton Place, Ohio, a Corporation of Ohio. Filed Feb. 16, 1925. Serial No. 9,613. 6 Claims. (Cl. 188—190.)



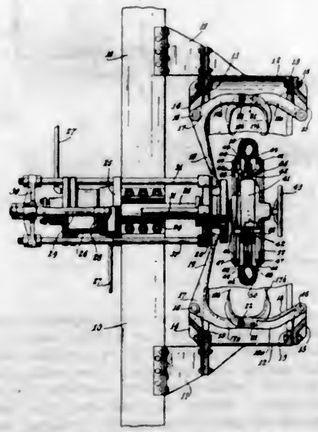
3. In a brake mechanism, the combination with a brake lever and a brake hanger, each adapted to carry a brake shoe, of a column connected to said lever and hanger and comprising a sleeve, an adjustable rod within it and an adjusting rod connected with the adjustable rod and extending into the sleeve and having a thread and nut by which to operate such adjusting rod.

1,579,921. MULTIPLEX RADIO SYSTEM. HAROLD F. ELLIOTT and JAMES ARTHUR MILLER, Palo Alto, Calif., assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 9, 1922. Serial No. 527,883. 4 Claims. (Cl. 250—9.)



1. In a multiplex radio frequency transmission system, a plurality of antenna circuits, each adapted to be independently operated at frequencies that differ substantially, and each having an antenna that is placed near the others, sources for producing high frequency oscillations in each of the antenna circuit, and means for preventing substantial interference between the circuits, comprising a circuit for each source forming a by-pass, said circuit being connected between points having minimum potential difference for the frequency of operation of the source with which it is associated.

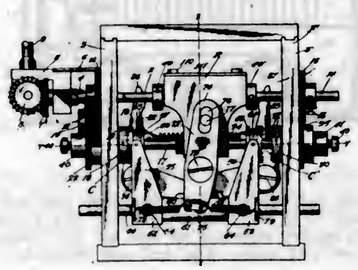
1,579,922. METHOD OF MANUFACTURING TIRES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1922. Serial No. 598,321. 4 Claims. (Cl. 18—56.)



1. The method of manufacturing tires which comprises building a tire with narrower side walls than are to obtain in the finished tire, stretching said walls to

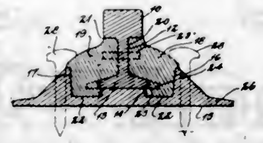
finished position about a core, said stretching step consisting of moving the beads of the tire radially inwardly by the simultaneous application of force at numerous substantially uniformly distributed positions on the beads, and then vulcanizing the tire while its side walls are so stretched.

1,579,923. WINDING MACHINE. NICHOLAS E. GIBSON, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,687. 16 Claims. (Cl. 242—158.)



1. In a machine of the class described comprising a power transmitting shaft, reciprocating member slidably supported on said shaft, a second shaft, gear trains associated with said shafts for rotating said second shaft, clutch means associated with said second shaft and said gear trains for reversing the rotation of said second shaft at predetermined distances of travel of said reciprocating member along said first shaft.

1,579,924. RAIL JOINT. GEORGE GODULA, Wyoming, Pa. Filed July 17, 1925. Serial No. 44,268. 3 Claims. (Cl. 238—208.)

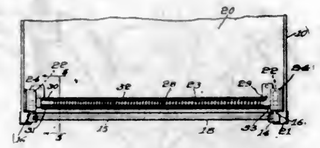


1. A rail joint comprising a base plate, a central rib or shoulder on said plate, adapted to bear the foot flanges of two adjoining rails, chair engaging shoulders formed near the outer ends of said base plate, a pair of rail chair parts adapted to engage said shoulders, a longitudinally extending groove in each of said chair parts, lugs in said grooves adapted to engage recesses in the rail foot flange, means on one of said rail chair parts engaging the rail web adapted to pass through said web into engagement with the other rail chair part, and means for securing said base plate to a tie and for preventing displacement of the chair parts.

1,579,925. FIBROUS MATERIAL. JOHN O. GOODWIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1924. Serial No. 697,390. 3 Claims. (Cl. 18—52.)

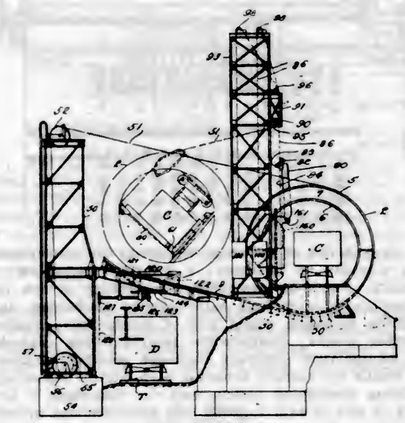
1. An absorbent composition of fibers and partially coalesced particles of prevulcanized rubber.

1,579,926. WINDOW. JESSE W. GREER, Cambridge, Mass. Filed Apr. 18, 1925. Serial No. 24,102. 7 Claims. (Cl. 16—201.)



1. In combination with a window mounted for vertical sliding movement in its supporting frame, racks secured to the opposite sides of the window to move up and down with the window, a shaft extending across the upper portion of the window frame, fixed brackets for rotatably supporting the shaft, gears secured to the opposite ends of the shaft in position to engage the racks, and a coiled spring operable to rotate the shaft and gears in the window lifting direction to exert a lifting force upon the window.

1,579,927. ROLLING CAR DUMPER. JUSTIN GRIESS, Bedford, Ohio, assignor to The McMyler-Interstate Company, Bedford, Ohio, a Corporation of Ohio. Filed Jan. 7, 1925. Serial No. 941. 20 Claims. (Cl. 214—51.)

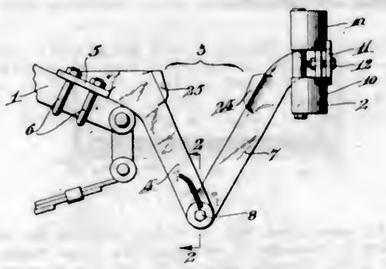


1. In a car dumper, a cradle adapted to be rolled, and having openings in the ends thereof for receiving a car longitudinally of the cradle, a transversely shiftable carriage for the car carried by the cradle, a normally inclined support for the carriage, clamping mechanism adapted to engage the car by gravity when the cradle is rolled, and means whereby the initial rolling of the cradle causes the car and carriage to shift to a position where the car may be engaged by the clamping mechanism, and flexible suspension means acting on the clamping mechanism to support the car when the cradle is rolled to dumping position.

1,579,928. AUTOMOBILE BUMPER. HOADLEY R. GROSSBECK, Philadelphia, Pa. Filed Nov. 9, 1925. Serial No. 67,812. 6 Claims. (Cl. 293—55.)

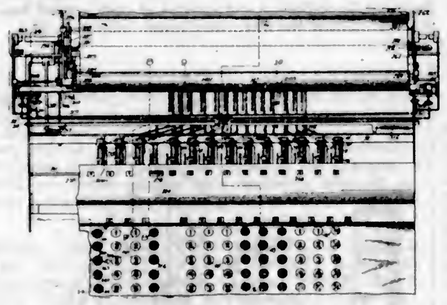
1. In combination with the chassis of a vehicle and a bumper; extensions rigidly secured to the chassis; arms

pivoted on the extensions for swinging in vertical planes; a bumper rigidly secured to the arms, and means adapted



to co-act with said extensions and arms to give a signal when said arms are swung out of normal position.

1,579,929. DISTINGUISHING MEANS FOR KEYS AND DIALS OF REGISTERING MACHINES. WILLIAM S. GUBELMANN, Buffalo, N. Y. Original application filed Jan. 10, 1900, Serial No. 1,004. Divided and this application filed Nov. 9, 1918. Serial No. 261,806. 30 Claims. (Cl. 235—60.)

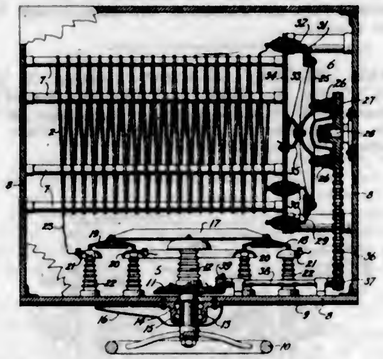


1. In a device of the class described; the combination of a plurality of totalizers; a printing mechanism; a plurality of sets of manipulative controlling devices for concomitantly controlling said printing mechanism and totalizers including plural sets of manipulative number inserting means, manipulative total printing controls, and manipulative arbitrary character printing controls; and means for visually detecting each control separately, including identifying indicia, and for demarking a plurality of sets of said controls into predetermined groups.

18. In a key mechanism, a plurality of rows of depressible controlling numeral keys, each of said rows of keys representing the digits from 1 to 9 and the keys of each row being of a different denominational order from that of the keys in the adjacent rows, said plurality of rows of keys being arranged in groups of rows of keys, the keys of one of said groups of rows of keys being colored so as to be noticeably different from the keys of the adjacent groups of rows of keys.

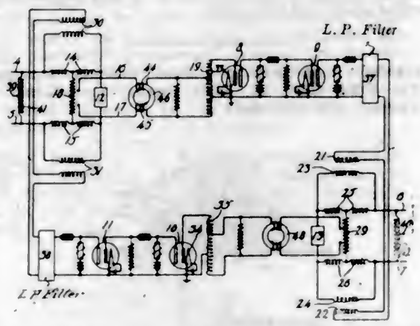
1,579,930. RADIOTRANSMITTER. ARTHUR HADDOCK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1923. Serial No. 665,265. 5 Claims. (Cl. 250—40.)

1. In a wave change switch, a plurality of terminals arranged in an arc of a circle, a contact ring concentric therewith, each terminal comprising a metal cap supported on a separate high-voltage insulator, connections from the caps directly to respective points in an oscillation circuit, said ring being supported on high voltage insulators, a connection from said ring to another circuit, a control post rotatably mounted concentric with



said ring and terminals, a bar supported from said control post on a high voltage insulator, and a bridging contact member supported on said bar and adapted to wipe over said contact ring and said terminals.

1,579,931. TRANSMISSION CIRCUITS. RALPH V. L. HARTLEY, East Orange, N. J., and ROBERT C. MATHES, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1920. Serial No. 420,440. 12 Claims. (Cl. 179—15.)

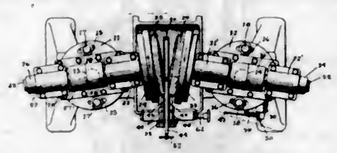


6. In combination, two line sections, a two-way repeating system therefor, comprising a repeater having input and output terminals, an impedance in series with each side of one of said line sections, a direct coupling connection between mid-points of said impedances and terminals of said repeater and including an inductance coil of a single winding in shunt to one of said line sections, and a tap to an intermediate point of said winding for withdrawing from said line section the phantom circuit currents.

1,579,932. ROLL-GRINDING APPARATUS. LEWIS R. HEIM, Danbury, Conn., assignor, by mesne assignments, to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Dec. 21, 1920, Serial No. 432,175. Renewed May 6, 1925. 26 Claims. (Cl. 51—116.)

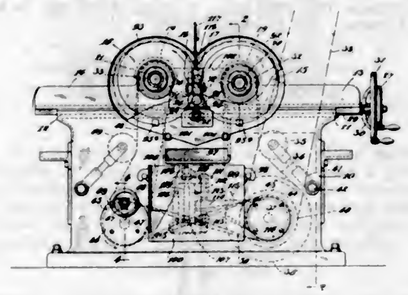
1. In roll grinding apparatus, in combination, a grinding wheel adapted to be rotated at relatively high speed, a regulating wheel adapted to be rotated at a relatively

low speed, said wheels being adapted to present operative surfaces travelling in opposite directions, a carrier of circular cross section for supporting a succession of rolls between the operative surfaces of said wheels and adapt-



ed to form a line of contact with said rolls, and means for mounting said carrier between said wheels to permit a manual rotation thereof to present a new line of contact of said rolls.

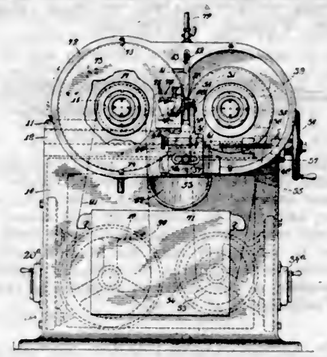
1,579,933. APPARATUS FOR GRINDING ROLLS AND THE LIKE. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Feb. 18, 1921. Serial No. 446,041. 59 Claims. (Cl. 51—103.)



1. In apparatus of the general nature of that herein described, in combination, a grinding wheel adapted to be rotated at a relatively high speed, a regulating wheel adapted to be rotated at a relatively low speed, a carrier extending between the operative surfaces of said wheels for supporting a substantially round body in operative relation to said wheels, said regulating wheel being adapted to control the rotation of said body on the carrier during the grinding action thereon by the grinding wheel, and said carrier having a supporting surface which makes an obtuse angle with a plane tangent to the grinding wheel surface at the line of contact between the grinding wheel surface and the round body and adapted to permit said body, when irregularities thereon are engaged by the regulating wheel, to move into an increasing space between the grinding wheel and the regulating wheel.

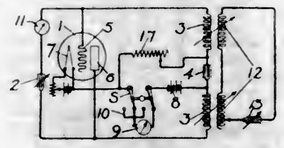
1,579,934. ROLL-GRINDING APPARATUS. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed June 11, 1921. Serial No. 476,689. 16 Claims. (Cl. 51—88.)

1. In a machine for grinding rolls and the like, in combination, a main frame, a wheel mounted upon said frame, a carriage movably mounted upon said frame, a wheel mounted upon said carriage adapted to coact with said first wheel upon work positioned between the same, and a discharge chute adapted to receive work discharged



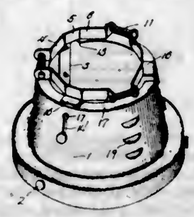
from said wheels and directed to carry the work to a forward part of said main frame, said chute being connected with said carriage to move therewith.

1,579,935. RESONANCE INDICATOR. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,257. 6 Claims. (Cl. 250—39.)



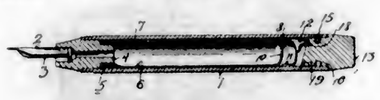
1. The method of adjusting a system including two coupled circuits, one of which circuits is a vacuum tube oscillation generator circuit, which comprises measuring the space current of the vacuum tube, varying the tuning of one of the circuits, and utilizing the space current measurements to determine the condition of resonance between the circuits.

1,579,936. REFLECTOR HOLDER. JAMES C. HERRON, Chicago, Ill., assignor to Reflector & Illuminating Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1924. Serial No. 741,133. 3 Claims. (Cl. 240—130.)



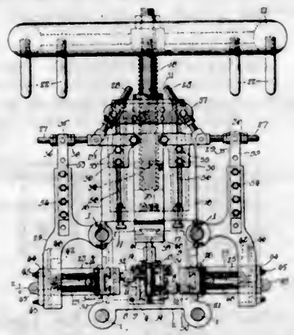
1. In a holder for supporting a reflector or the like from a socket, a tubular holder member having means at its lower end for engaging the reflector, a socket gripping member having a plurality of shanks extending into the holder member, and screws respectively securing the said shanks to the holder member; the holder member having longitudinal slots through which the respective screws extend, each slot being provided with spaced enlargements and each screw having an enlarged shank portion socketed in one of the enlargements of the slot adjacent thereto when the screw is tightened.

1,579,937. FOUNTAIN PEN. JOHN HOLTZMAN, New York, N. Y., assignor of one-half to Charles G. Hensley, New York, N. Y. Filed Feb. 23, 1924. Serial No. 694,603. 8 Claims. (Cl. 120—46.)



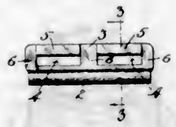
1. A fountain pen including a barrel, a compressible ink holding sack therein, a compressing member in the barrel and attached thereto, said compressing member acting on said sack to compress it, and means operating on said compressing member nearer its point of attachment to the barrel than the place at which the compressible member acts on the sack and between said points whereby a lever action is produced to cause substantial compression of the sack.

1,579,938. CORE-PULLING DEVICE. EDWARD HOTTER, Chicago, Ill. Filed Dec. 17, 1924. Serial No. 756,406. 20 Claims. (Cl. 22—93.)



1. In a die-casting machine, the combination with a die mold having cores arranged about the same, of a core pulling device having means for moving said cores either simultaneously or independently into and out of the die mold, and means for adjusting the extent of travel of the cores into the die mold.

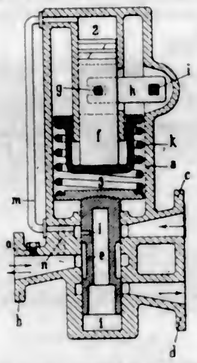
1,579,939. PIN TUBE. WILLIAM S. HUNKINS, Hollywood, Calif. Filed Dec. 4, 1925. Serial No. 73,293. 2 Claims. (Cl. 24—76.)



1. In a pin tube construction, a rolled sheet metal tube having a laterally extending flange, said flange having a plurality of elongated perforations therein, the metal at the upper edges of said perforations being folded back to form rounded non-cutting edges, said perforations being in substantial alinement.

1,579,940. APPARATUS FOR AUTOMATICALLY REGULATING FLUID PRESSURES. JACOB IVERSEN, Berlin, Germany. Filed Apr. 11, 1924. Serial No. 705,740. 6 Claims. (Cl. 303—54.)

1. An apparatus of the class described, comprising a casing having an inlet and an outlet for a pressure fluid, a passage adapted for communication with a container, and two chambers, a slide valve movable in one of said chambers and controlling said inlet, outlet and passage, a pressure member within the other chamber, said slide valve and pressure member having equal areas, means for transmitting pressure from said pressure member to

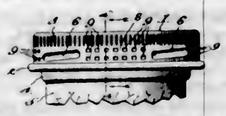


said valve, means for operating said pressure member, and passages for supplying pressure fluid of equal pressure from opposite sides to said slide valve and pressure member.

1,579,941. SQUEEGEE MOUNTING. PETER JENKINS, Chicago, Ill. Filed Sept. 8, 1925. Serial No. 54,954. 1 Claim. (Cl. 15—245.)

A squeegee head comprising clamping plates and flexible wiper strips clamped therebetween, said plates being held together by headed screws passing through the plates and strips and having threaded engagement with the other one of said plates, and means common to a plurality of said screws for binding them together against rotation on their threads.

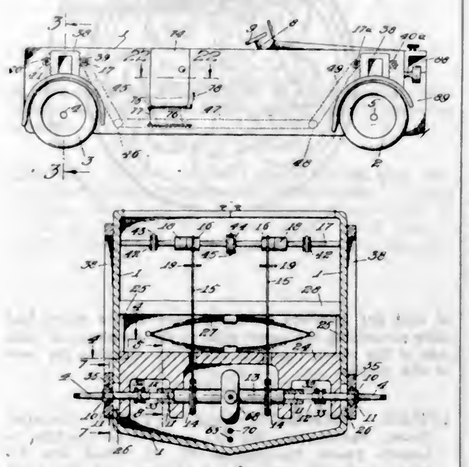
1,579,942. CLOSURE CAP FOR CONTAINERS. CHRISTOPHER JENSVOLD, Oswego, N. Y. Filed July 22, 1925. Serial No. 45,224. 3 Claims. (Cl. 215—44.)



3. A container cap of thin material having an unbroken permanent depending annular flange formed with a circumferential series of in-pressed separate uniformly-

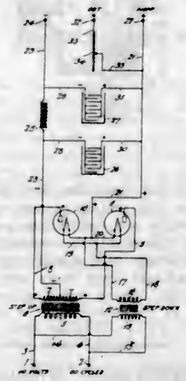
spaced locking lugs and a circumferential series of intervening panels between the locking lugs and each within its boundaries and approximately throughout its length having an area of several rows of closely arranged indentations for stiffening said panels against longitudinal stretching and flattening from the original curvature of the flange.

1,579,943. AUTOMOBILE. ARTHUR JOHNSON, Detroit, Mich. Filed Sept. 21, 1925. Serial No. 57,688. 8 Claims. (Cl. 115—1.)



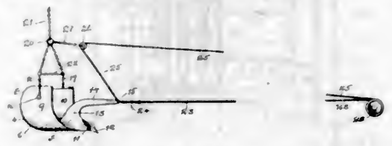
1. In a land and water vehicle, a body, wheels therefor capable of adjustment vertically of said body, a propeller housing formed in said body, a propeller movable into and out of said housing, a rudder movable with said propeller, and vehicle propelling mechanism for interchangeable engagement with said wheels and propeller.

1,579,944. CURRENT-RECTIFYING SYSTEM. JOSEPH JOHNSON, New York, N. Y. Filed Apr. 4, 1925. Serial No. 20,762. 9 Claims. (Cl. 250—27.)



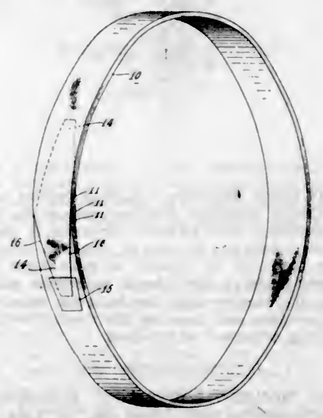
1. A current rectifying system comprising a source of alternating current, a step-up transformer connected to said source, a rectifying tube of the heated filament type having its plate connected to said transformer, a step-down transformer connected to said source, a filament-heating circuit including the step-down transformer, a positive lead for rectified current connected to the filament circuit, a negative lead for rectified current connected to the step-up transformer, a reactor connected in series in said negative lead, and two electrolytic storage devices connected across said leads in parallel and connected to the negative lead at opposite sides of the reactor.

1,579,945. EXCAVATING AND SCOOP SHOVEL. WORRALL S. KELLY, Chicago, Ill. Filed May 18, 1925. Serial No. 30,921. 7 Claims. (Cl. 37—135.)



1. A shovel of the class described, comprising a scoop shaped body having a floor, side walls and a back wall, the floor having upstanding therefrom a centrally located cutting member plow-shaped along its front edge and merging rearwardly into a centrally disposed upstanding fin and merging upwardly into a forwardly extending beam, lifting connections secured to the side walls of the body and upwardly extending therefrom, a draft connection secured to the forward end of the beam, and a control connection extending upwardly from the beam, substantially as described.

1,579,946. ENDLESS BELT OR BAND. IRWIN F. KEPLER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,639. 6 Claims. (Cl. 74—63.)

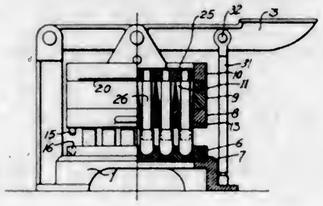


1. An endless belt comprising a convoluted ribbon of rubberized fabric having selvaged side edges lying at the edges of the belt and an end cut on a line traversing both the warp and the weft of the fabric, said end overlying and being vulcanized under pressure to the body of the belt.

1,579,947. CAPSULE-FILLING MACHINE. ROBERT T. KILPATRICK, Memphis, Tenn. Filed May 2, 1924. Serial No. 710,491. 2 Claims. (Cl. 226—40.)

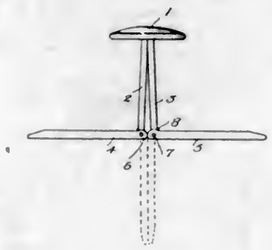
1. In a capsule filling machine, a supporting base, a capsule holding plate having a plurality of closed end openings therein, a capsule supporting plate adapted to rest on and be aligned with said holding plate and hav-

ing a corresponding number of aligned openings therethrough, a hopper plate adapted to be registered with said supporting plate and having a plurality of hoppers each registering with a corresponding opening in the supporting plate, a divisible distributing box adapted to rest on and be registered with said hopper plate, a removable slide for separating said distributing box from



said hopper plate, a plunger for each of said hoppers, a plate carrying said plungers, an operating arm hinged to said plate, a plurality of stops on said supporting base, and a rod hinged to and depending from said operating arm, and adapted to engage selectively any one of said stops to limit the downward movement of said arm and the plungers carried thereby.

1,579,948. COLLAR BUTTON. EDWARD G. PATTERSON, Bismarck, N. Dak. Filed Oct. 1, 1923, Serial No. 665,968. Renewed Jan. 20, 1926. 1 Claim. (Cl. 24—99.)



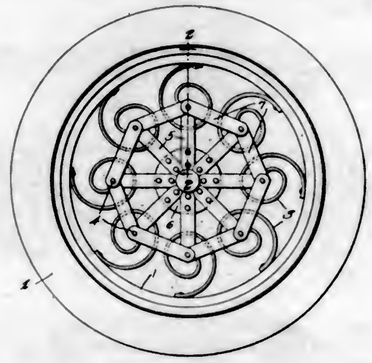
A collar button comprising a head, a pair of normally parallel shanks projecting from one side of the head, a pair of retaining links pivotally connected to the outer ends of the shanks and adapted to project in longitudinal alignment therewith, or extended at right-angles thereto, cam shaped heads on the links at their pivot points for spreading the shanks when the links are moved to an extended position and stops on the shanks for limiting the swinging movement of the links.

1,579,949. BOILER COMPOUND. WASHINGTON P. PECK, Painesville, Ohio. Filed Oct. 30, 1924. Serial No. 746,872. 1 Claim. (Cl. 87—27.)

A boiler cleaning compound, the principal ingredients of which consist of extract of hemlock, forty pounds; soda ash, sixty pounds; brown sugar, ten pounds; and water, thirty gallons; prepared in the manner herein described and for the purpose specified.

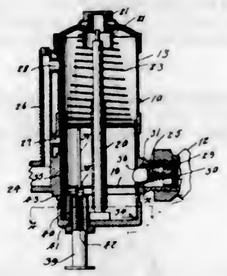
1,579,950. WHEEL. HENRY C. PETERS, North Middletown, Ky. Filed July 10, 1925. Serial No. 42,809. 1 Claim. (Cl. 152—49.)

A wheel of the class described, comprising a felly, a plurality of spiral springs having their outer ends connected with the felly and having eyes at their inner ends, pintles passing through the eyes, a pair of flat members having perforations in their outer ends to receive the ends of each pintle, means for fastening the inner ends



of said flat members to a hub part of the wheel and links connecting the outer ends of the members, at each side of the wheel, together, said links engaging the ends of the pintles.

1,579,951. AUTOMATIC GAS CUT-OFF. STANLEY POLEK, Farmington, W. Va., assignor of one-fifth to Antonio Pasko, Farmington, W. Va. Filed Jan. 12, 1924. Serial No. 685,914. 6 Claims. (Cl. 67—115.)

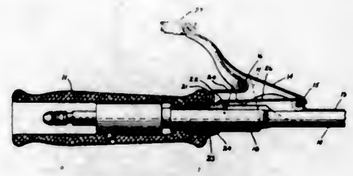


1. A device of the class described having a casing, a body movable in the casing to control its outlet, said body being closed at one end, means providing a passage for gas through the casing in communication therewith both above and below said closed end, the gas serving to normally maintain said body out of closing relation to said outlet, and a valve controlling the supply of gas subject to the movement of said body.

1,579,952. CURLING IRON. WILLIAM A. RANKIN, Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc., a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,630. 18 Claims. (Cl. 132—37.)

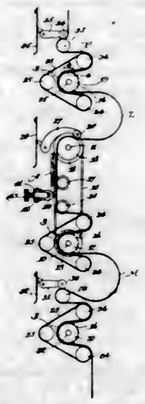
1. A curling iron comprising an elongated member, an operating member movably associated with said elongated

member, and a clamping member cooperating with said elongated member pivotally secured intermediate its ends



to said operating member, said clamping member being free to move on its pivot when lifted by said operating member.

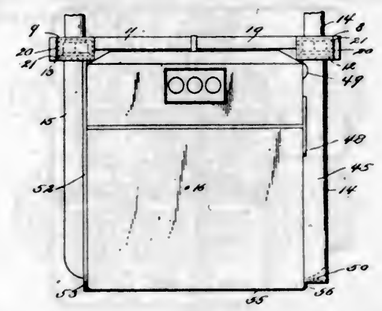
1,579,953. FILM-HANDLING MECHANISM FOR MOTION-PICTURE-PROJECTING MACHINES. PEDRO ROBLE, New York, N. Y., assignor of one-fourth to Joaquin Montoya, New York, N. Y. Filed Aug. 7, 1924. Serial No. 730,664. 9 Claims. (Cl. 88—18.)



1. A mechanism for handling and moving a non-perforated film strip through a moving picture machine, including feed, tension, intermittent and take-up rollers over which the film is trained, means coacting with the said feed, intermittent and take-up rollers for frictionally clamping the film therebetween and positively driving the same therewith, a pressure element engaging and clamping the film against the tension roller and means for driving the tension roller at a slower rate of speed than the intermittent roller whereby the portion of film between said intermittent and tension roller is properly tensioned.

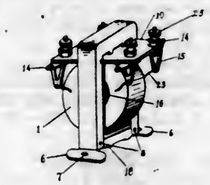
1,579,954. GAS-METER-PROTECTING MEANS. GEORGE H. SAUTON, New Orleans, La., assignor of one twenty-fourth to Charles F. A. Heitkamp, one twenty-fourth to Simon A. G. Heitkamp, and one twenty-fourth to Oscar R. L. Heitkamp, all of New Orleans, La. Filed June 26, 1924. Serial No. 722,561. 11 Claims. (Cl. 70—122.)

1. In a gas meter protecting means, the combination with a meter body and the coupling joints of the supply and service pipes communicating with the meter, of means for completely enclosing the said joints having members extending from one to the other with locking devices concealed within the members and protected



against exterior manipulation, and enclosing means for protecting the opposite end portions of the meter body extending upwardly over the said end portions.

1,579,955. TRANSFORMER. JOHN L. SCHERMERHORN, Newark, and FREDERICK GOERTZ, Hilton, N. J., assignors to American Transformer Company, Newark, N. J. Filed Dec. 17, 1923. Serial No. 681,068. 16 Claims. (Cl. 175—356.)

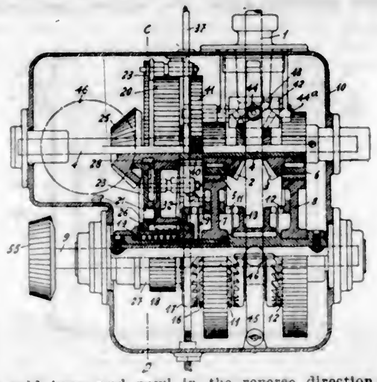


1. In a transformer, a core, windings carried on the core, a connecting board having connectors thereon for the ends of said windings and outside wires, said board being positioned between the windings and a part of the core.

1,579,956. DEVICE FOR AUTOMATICALLY ADVANCING AND ROTATING THE YARN ROLLERS OF YARN-DYEING MACHINES. JACQUES SCHLUMPF, Ober-Winterthur, Switzerland. Filed July 23, 1923. Serial No. 653,332. 2 Claims. (Cl. 8—19.)

1. In combination with a frame mounted for rotation and a yarn roller having a shaft mounted on said frame, a shaft 4 geared to said frame, a shaft 9 geared to said yarn roller, a power shaft, a pair of revoluble elements loose on the third named shaft and geared to the power shaft for rotation in opposite directions, a clutch to lock either of said revoluble elements to the third named shaft, a lever 45 to actuate said clutch, a master gear, means actuated thereby to operate said lever, a gear 18 engaging the master gear, slidable on the third named shaft and having a clutch member engageable with one of said revoluble elements, a spring to move said gear to engaged position, a ratchet wheel 23 loosely mounted on the second named shaft having a cam 26 to move said last named gear to disengaged position, and also provided with a semicircular slot, said master gear having a pin arranged to operate in said slot, a lever having a pawl engaged with said ratchet

wheel, a spring to move said lever and pawl in one direction and a cam on one of said revoluble elements to

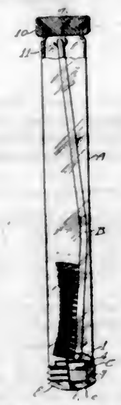


move said lever and pawl in the reverse direction and thereby impart step by step rotation to said ratchet wheel.

1,579,957. TREATING TAR WATER. CHRISTIAN SCHNEIDER, Neurossen, near Merseburg, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Nov. 7, 1925. Serial No. 67,696. 6 Claims. (Cl. 23—3.)

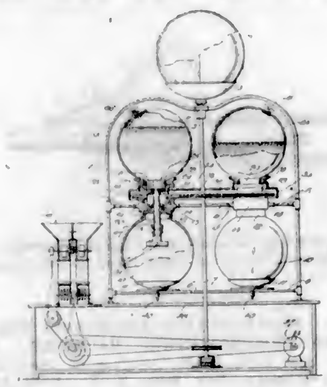
1. The method of treating tar water consisting in adding to hot tar water an alkali metal hydroxid, exposing the liquor to air and utilizing the liquor again for cooling gases obtained by the distillation of bituminous fuel.

1,579,958. TOOTHBRUSH STERILIZER. JACOB C. SCHWARTZ, St. Louis, Mo. Filed May 19, 1924. Serial No. 714,360. 2 Claims. (Cl. 206—151.)



1. In a tooth-brush sterilizer, a tablet-holding and brush-resting member comprising a perforated disk and spaced strips projecting laterally from the disk, the strips being first bent and doubled upon themselves intermediate their ends to provide a pair of oppositely disposed aligning fingers in spaced relation to and and under the disk and then again in spaced relation to said first pair of fingers inwardly bent to provide a second pair of oppositely disposed aligning fingers, said pairs of fingers being adapted for co-operation in grasping and flatwise supporting a germicidal tablet under and in spaced relation to the disk.

1,579,959. BEVERAGE-DISPENSING AND ADVERTISING MEANS. ALVA A. SHAW, Ruston, La. Filed Apr. 30, 1925. Serial No. 27,094. 8 Claims. (Cl. 40—126.)

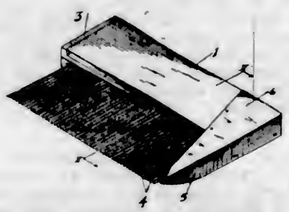


1. In a beverage dispenser, a lower container having an outlet spigot, an upper globular fruit-simulating container rotatably mounted over the lower container, the two containers being in communication, and means for rotating said upper container.

1,579,960. KNOCKDOWN SHOE RACK. EATON G. SHERMAN, Los Angeles, Calif. Filed Dec. 30, 1924. Serial No. 758,839. 3 Claims. (Cl. 211—17.)

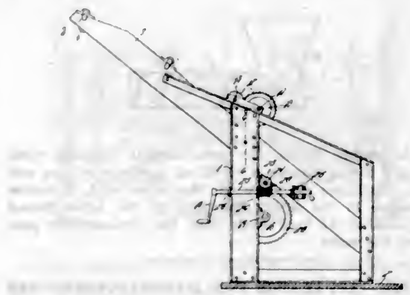
1. A knock-down shoe rack including a reversible front frame having end stiles, a pair of brackets, each bracket having an oblique front edge to support the stiles, and tongue and loop means whereby the reversible frame may be attached in either position of the frame to the bracket.

1,579,961. BRUSH FOR BRICK MAKING. DAVID F. SHOPE, Portland, Oreg. Filed Nov. 18, 1924. Serial No. 750,707. 4 Claims. (Cl. 25—1.)



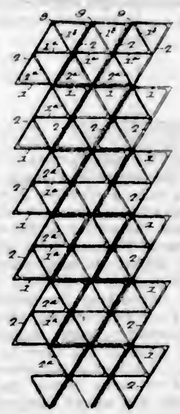
1. A new and improved brush for brick making comprising a body member, a reinforcing member for said body member, a flexible spring toothed blade member maintained within the body member, and a guide and depth gauge disposed about one end of the body member for the purposes specified.

1,579,962. WRECKING CRANE. FRED E. SHUTT and MARCUS H. RINEHART, Mount Liberty, Ohio. Filed Mar. 2, 1925. Serial No. 12,697. 3 Claims. (Cl. 212—142.)



1. A crane of the class described comprising an upright frame, a stationary boom supported by the frame, a light winch on the top of the frame, a heavy winch supported at the lower part of the frame, a crank handle for turning either winch and a number of pulley supporting means on the boom.

1,579,963. RADIATOR CORE. ISADORE SIMON, Philadelphia, Pa. Filed Nov. 8, 1923. Serial No. 673,606. 9 Claims. (Cl. 257—130.)



1. A radiator core comprising a plurality of pairs of closely adjacent metallic strips similarly positioned and identical in form, each strip consisting of a regular repetitive series of alternately arranged sections at angles of 60° to each other with alternate sections of each strip approximately one-half as long as the others, the last said sections of successive pairs of strips being closely adjacent and in alignment with each other whereby rhomboidal cells are formed between adjacent pairs.

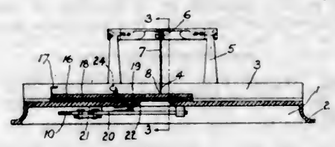
1,579,964. EXPLOSIVE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1921. Serial No. 452,734. 12 Claims. (Cl. 52—1.)

1. The process of disseminating toxic particles which comprises admixing nitrated starch with a non-explosive toxic material, and detonating the mixture.

1,579,965. POLE FOR CARRYING ELECTRIC CABLES, TELEGRAPH AND TELEPHONE WIRES, AND OTHER PURPOSES. JAMES CYRIL STOBIE, Henley Beach, South Australia, Australia, assignor of one-third to Frederick William Herbert Wheadon, Adelaide, Australia. Filed Dec. 27, 1924. Serial No. 758,423. 1 Claim. (Cl. 72—85.)

An improved pole for carrying electric cables, telegraph and telephone wires and like purposes comprising: two flanged metal beams positioned one beside the other and at a very slight angle one with the other and with inwardly projecting flanges spaced somewhat apart the entire length of the beams, a plurality of tie bolts passing through the webs of said beams and holding them together, and a cement concrete filling occupying the space between the opposing flanges, substantially as described.

1,579,966. CHEESE CUTTER. DAVID ALEXANDER STRACHAN and HAROLD ROGER SCOTT, Vancouver, British Columbia, Canada. Filed Mar. 20, 1925. Serial No. 17,053. 5 Claims. (Cl. 31—17.)



3. In a device of the character described comprising a slide and a support therefor, the combination of a bar extending longitudinally of the slide and slidably supported therebeneath, a lever extending transversely beneath the slide and pivoted at one end to said support, a connection between the lever and said bar and means carried by the bar and engaging the slide to move the latter upon actuation of the lever in one direction and means for holding the slide stationary during reverse movement of the lever.

1,579,967. FLEXIBLE SHAFT COUPLING. EDWARD B. SWENEY, Red Wing, Minn. Filed Jan. 17, 1924. Serial No. 686,747. 8 Claims. (Cl. 64—96.)

1. In a flexible coupling, the combination with opposing coupling heads, of a driving connection therebetween

composed of a series of plates disposed face to face in interlocking engagement with each of the heads, each

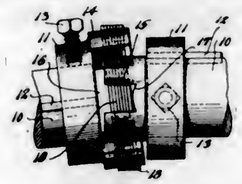
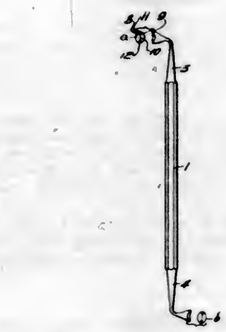


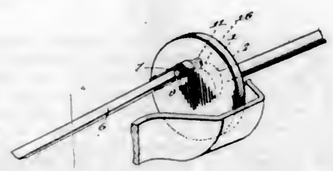
plate being loosely mounted for relative movement transversely to the axis of said heads.

1,579,968. AMALGAM-FILLING CONTOURER. RICHARDSON H. TAYLOR, Meeker, Colo. Filed June 20, 1923. Serial No. 646,635. 1 Claim. (Cl. 32—10.)



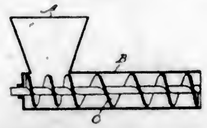
An instrument for impresaing the occlusal contour into a plastic filling, having a working face comprising a solid portion bounded by a plurality of forwardly projecting surfaces intersecting in a polyhedral angle.

1,579,969. WRIST PIN. OD TEEL, Echo, Oreg. Filed Dec. 10, 1925. Serial No. 74,614. 5 Claims. (Cl. 74—38.)



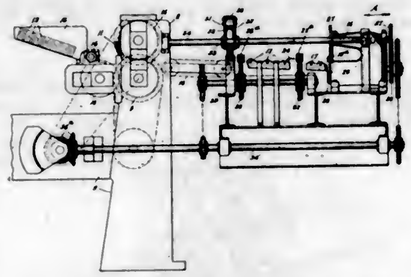
1. In combination with a crank disk having a hub and having an opening, a wrist pin having a mounting portion fitted in the opening of the crank disk and projecting beyond the crank disk and over the hub, a fastening device fastened to the projecting portion of the wrist pin and also engaged with the hub of the crank disk so as to be held against angular movement.

1,579,970. DEVICE FOR CHARGING METALLURGICAL AND LIKE FURNACES. FILIP THARALDSEN, Bestun, near Christiania, Norway. Filed Feb. 9, 1923. Serial No. 618,118. 2 Claims. (Cl. 198—214.)



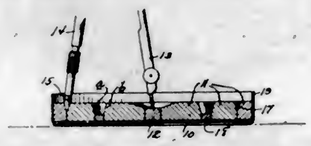
1. A feeding device for metallurgical furnaces comprising a casing having a receiving aperture at one end and a discharge aperture at the other end, a screw mechanism in the casing the pitch of the screw-thread being smaller at both ends than the intermediate portion of the screw.

1,579,971. APPARATUS FOR MANUFACTURING TIN AND OTHER PLATES OR SHEETS. HUBERT SPENCE THOMAS, Llandaff, and WILLIAM ROBERT DAVIES, Whitchurch, Great Britain. Filed June 23, 1924. Serial No. 721,846. 3 Claims. (Cl. 153—2.)



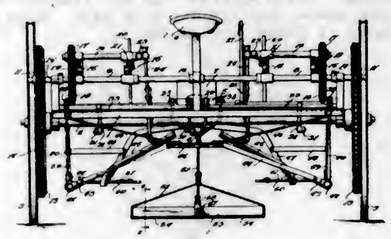
1. Mechanism for the manufacture of tin plates and sheets and other like plates and sheets, comprising in combination folding rolls, a conveyer having the delivery end thereof disposed adjacent the said rolls, the conveyer operating to continue the motion of the doubled sheet in a forward direction as received from said rolls, rotary cutting means, an adjustable and deflectable stop for arresting the doubled sheet in positive relation to said cutting means for determining the amount of scrap to be removed, and a second conveyer adapted to convey the sheet in a direction at right angles to its former direction of travel to cause the sheet to be engaged by the rotary cutters for effecting the removal of the predetermined amount of scrap during the travel of the doubled sheet on the said second conveyer.

1,579,972. LEAD-SHARPENING DEVICE. EINAR THORESEN, Cleveland, Ohio. Filed Aug. 3, 1925. Serial No. 47,912. 5 Claims. (Cl. 120—91.)



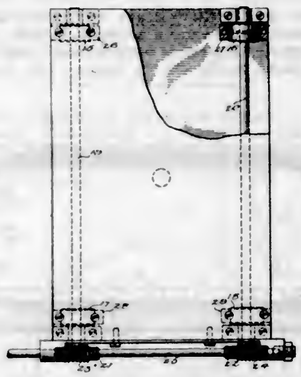
1. A lead sharpening device for compasses comprising a sharpening element having an inclined abrasive surface, means to guide the lead along said surface and means to support one leg of the compass.

1,579,973. BOLL-WEEVIL CATCHER. EDGAR H. TRICK, San Antonio, Tex., assignor of one-half to Rudolph A. Rehberg, San Antonio, Tex. Filed June 14, 1924. Serial No. 719,979. 7 Claims. (Cl. 43—143.)



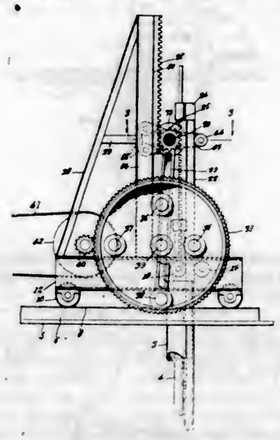
6. The combination of a portable main frame, wheels supporting said frame, a shaft mounted upon the main frame across the rear end thereof, means whereby said shafts may be rotated from the ground wheels, supplemental frames fitted about said shaft and extending forwardly therefrom, means on the main frame for adjustably supporting the front ends of the supplemental frames, crank shafts journaled in the front ends of the supplemental frames, operative connections between the said crank shafts and the first-mentioned shaft, beaters suspended on the main frame and operatively connected with the crank shafts, and a pan suspended on the frame below and between the beaters.

1,579,974. APPARATUS FOR PRODUCING STEREOSCOPIC MOVING PICTURES. RICHARD WALTON TULLY, Sierra Madre, Calif., assignor to Claus Spreckels, San Diego, Calif. Filed Oct. 20, 1922. Serial No. 595,820. 2 Claims. (Cl. 88—16.6)



1. An apparatus for producing stereoscopic motion pictures, which includes, in combination, a tripod having a top plate, a pair of spaced shafts mounted thereon and extending longitudinally thereof, gears on the rear ends of said shafts, a motor-operated shaft disposed adjacent the rear end of the tripod plate, gearing on said motor-operated shaft to engage with the gears on the first-mentioned shafts, cams on said first-mentioned shafts at the front and rear thereof, a camera-supporting plate, and straps on the underside of the camera supporting plate at the front and rear thereof, said straps encircling the cams, whereby the operation of the motor-operated shaft will cause the movement of the camera supporting plate.

1,579,975. LONG-STROKE LIFT FOR PUMPING WELLS. ARTHUR C. TUNISON, Los Angeles, Calif., assignor to Baker Casing Shoe Company, Coalinga, Calif., a Corporation of California. Filed May 11, 1925. Serial No. 29,544. 7 Claims. (Cl. 74—14.)



1. A long stroke lift mechanism for wells comprising a frame, stationary rack bars on said frame, movable rack bars opposite said stationary rack bars, pinions meshing with said rack bars, a shaft passing through said pinions, means to move said shaft back and forth, thrust rollers on said shaft, guides for engaging said thrust rollers, and guide means carried by said shaft and engaging said guide means at opposite sides of said thrust rollers.

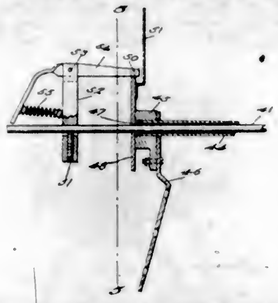
1,579,976. TRACK RAIL. HENRY B. UNRUH, Great Bend, Kans. Filed Nov. 24, 1925. Serial No. 71,157. 4 Claims. (Cl. 238—231.)

1. A track rail section formed of a head, web and base and provided with an extension at each end, said extensions oppositely disposed with respect to each other, each of said extensions comprising a half continuation of said base, a complete continuation of said head and web, a half continuation of said head and web extended from the complete continuations of said head and web, and a reinforcement integral with the half base and half web continuations and offset with respect to such half continuation to provide a shoulder and a seat.

1,579,977. VEHICLE SIGNAL. GEORGE J. VAROUTSOS, Lowell, Mass. Filed Oct. 21, 1924. Serial No. 744,993. 1 Claim. (Cl. 74—39.)

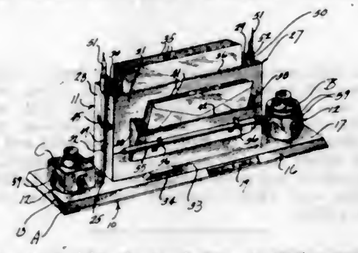
A signal operating means, an operating shaft therefor, a rigid plate having an opening therein for the passage of the operating shaft and forming a bearing for one end of the latter, an arm attached to the shaft midway between the plate and the inner end of the shaft and extending at right angles to said shaft, said plate having spaced notches in its outer edge, a latch member of angular formation having one arm pivotally connected to the outer end of the arm on the operating shaft with one end adapted to engage any one of said notches, the other arm of the angular member being spaced from

the arm on the operating shaft and a coil spring between the arm on the operating shaft and the second arm of



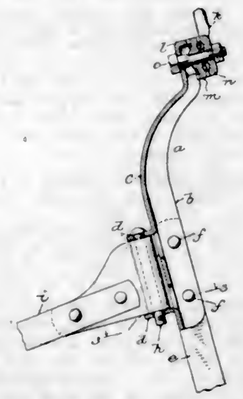
the angular member whereby to normally retain the first arm of the angular member in engagement with any of said notches.

1,579,978. DESK STAND OR STATIONERY HOLDER. JAMES H. VINCIA, Marinette, Wis. Filed Jan. 26, 1922. Serial No. 531,908. 2 Claims. (Cl. 120—8.)



1. As an article of manufacture, a stationery holder including a base having an aperture therein, an upwardly extending paper holder having a wall thereof disposed adjacent to the aperture in said base, and a bracket mounted upon said wall defining an opening in alignment with the opening in said base, said bracket being adapted to receive a scribing element so that an end thereof may rest within said aperture.

1,579,979. FORK HEAD. EDWARD R. WAGNER, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 4, 1922. Serial No. 541,255. 4 Claims. (Cl. 208—102.)

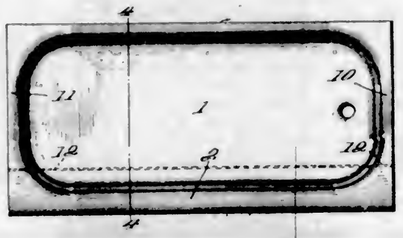


1. A fork head formed integrally of sheet metal with marginal stiffening flanges, a connecting web and hinge ears struck from the web intermediate the ends of said head and extending in a direction opposite to that of the flanges.

1,579,980. GLASS CUTTER. LE ROY ANDERSON WALTERS, Miami, Fla. Filed Oct. 3, 1925. Serial No. 60,271. 3 Claims. (Cl. 49—52.)

2. In a device of the character described comprising a threaded rod, a graduated tube on the rod, means for holding the tube in adjusted position, a supporting element adjustable on the tube and adapted to engage and rest upon the upper end of the glass tube to be cut, and cutting means carried by the lower end of the threaded rod.

1,579,981. BATHTUB. HARRY C. WEISKITTEL, Baltimore, Md., assignor to A. Weiskittel & Son Co., Baltimore, Md., a Corporation of Delaware. Filed Sept. 22, 1925. Serial No. 57,878. 5 Claims. (Cl. 4—173.)

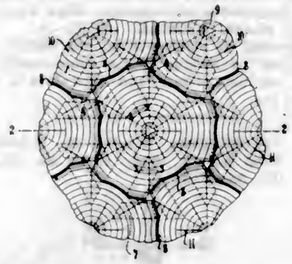


1. A cast metal bath tub having a hollow rim along one side thereof, said rim having the under face thereof extended around to and formed integral with the side wall of the tub, so that said rim is closed intermediate the ends thereof, said rim at at least one end thereof being open so that the core utilized in the casting of the rim can be readily removed.

1,579,982. PAVING BLOCK. ALBERT RANDALL WELLS, Slinfold Manor, England. Filed Oct. 5, 1925. Serial No. 60,558. 4 Claims. (Cl. 94—13.)

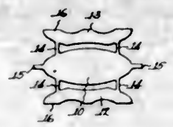
1. A paving block comprising a body having an upper wearing surface, a number of feet projecting from the under surface of the body, pads of a material such as bituminous felt beneath the said feet, alternate lateral

projections and recesses for co-operation with recesses and projections respectively of similar surrounding and adjacent blocks, pads of a material such as bituminous



felt upon alternate side faces, and a key hole extending from the upper wearing surface to the under surface for the purposes set forth.

1,579,983. NECKLACE CLASP. FRANS B. WENDEL, Cranford, N. J., assignor to Hercules Novelty Mfg. Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,037. 6 Claims. (Cl. 24—230.)

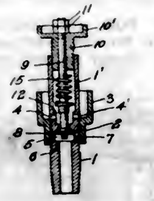


1. A jewelry clasp body structure, comprising a front and a back plate, and integral connecting prongs between said plates, the clasp being fashioned from a single blank in which one plate is formed entire and the other plate is formed of a pair of sections having meeting edges when the blank is bent to form the finished clasp body.

1,579,984. WRIST-PIN BALANCE BLOCK. CHARLES W. WERST, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 2, 1926. Serial No. 85,599. 2 Claims. (Cl. 295—6.)

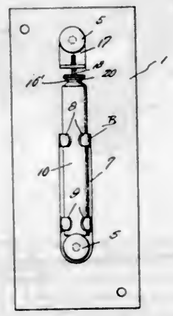
1. The combination of a locomotive driving wheel, having a wrist-pin and a counter-balance opposite the wrist-pin; and a detachable counter-balance on the wrist-pin to balance the wheel when the rods are removed to allow the locomotive to travel on its own wheels, without its own motive power.

1,579,985. COMBINED PRIMING AND COMPRESSION RELEASE VALVE. WELLS WHEELER, Sharpsville, Pa. Filed Aug. 30, 1924. Serial No. 735,093. 4 Claims. (Cl. 123—187.5.)



3. A combined priming and compression release valve for internal combustion motors comprising a tubular body, a valve seat interposed in the bore of said body, a plug closing one end of said body, a stem passing through the said plug, a valve seat at one extremity of said stem cooperating with said valve seat, an abutment at the opposite extremity of the stem adapted to be contacted by the plug and moved in one direction, a spring co-operating with the said stem and adapted when under compression to urge the valve head away from its seat, said spring being so proportioned and disposed that the said plug when moved in one direction will contact the spring to place it under tension, but when moved in the opposite direction will first entirely release the tension thereof and then contact the said abutment for forcibly binding the valve head to its seat, a cup surrounding the said body, said body being provided with openings through its wall establishing communication between the interior of the cup and the bore of the body at a point between the valve seat and plug.

1,579,986. THERMOSTATIC CIRCUIT CLOSER AND BREAKER. GARRETT WHITE, Chapel Hill, Tenn. Filed Jan. 10, 1925. Serial No. 1,656. 1 Claim. (Cl. 200—141.)



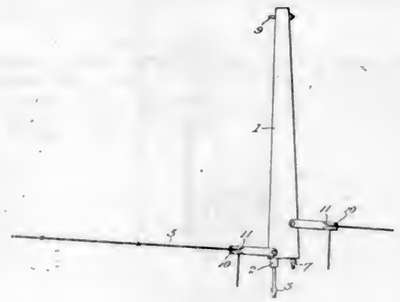
In a device of the class described, a panel of insulating material, a bracket on the panel provided with spring fingers, a binding post securing the lower end of the bracket to the panel, a tube engageable by the spring fingers and having its lower end resting on the binding post, insulating material closing the bottom of the tube, insulating material in the top of the tube spaced from the first-mentioned material to form a compartment, said second mentioned insulating material provided with a restricted passage leading from the compartment and terminating at its upper end in a funnel-shaped recess, a funnel of electricity conducting material seated in the recess and projecting slightly above the upper end of

the tube, a separate binding post on the panel above the upper end of the tube, a bracket depending from the second binding post, a screw in the second bracket and adjustable toward and away from the funnel.

1,579,987. PEG FOR STRINGED INSTRUMENTS. MILTON OSMOND WICKES, Northampton, Mass. Filed Aug. 15, 1922. Serial No. 582,002. 2 Claims. (Cl. 84—305.)

1. A peg for stringed instruments comprising a peg body having a clamping member fixed thereto and a clamping member adjustable angularly thereabout and longitudinally thereof, said peg body having a screw-threaded extension, a key mounted on the screw-threaded extension for longitudinal and rotary movement relative thereto, a driving element fixed to the key, said driving element and said peg body being constrained to partake of the same angular movement, the driving element being slidable along the peg body, said driving element and said second-mentioned clamping member having inter-engaging coupling means for transmitting the drive from the driving element to the second clamping member while permitting the second clamping member to rock to accommodate itself to the different positions it must assume so that the clamping member applies a uniform pressure at all times and a nut operatively engaged with the screw-threaded extension and co-acting with the key for controlling the gripping engagement of the clamping member with the side wall.

1,579,988. WIRE TIGHTENER AND SPLICER. AMOS H. WILCOX, Beaver City, Nebr., assignor of one-fourth to Charles T. Keath, Beaver City, Nebr. Filed Nov. 25, 1921. Serial No. 517,686. 1 Claim. (Cl. 254—81.)

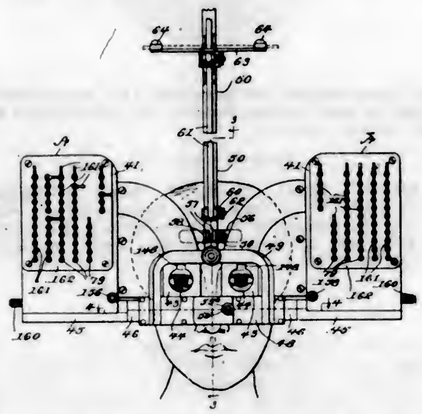


A wire stretcher including a lever, a primary pair of gripping devices pivotally secured on one side of said lever, adjacent the edges thereof in staggered relation, pivotal means for said primary gripping devices arranged in staggered relation on said lever, said pivotal means extending through the lever to the opposite sides thereof, and a secondary pair of gripping devices pivotally secured to said pivotal means on the opposite side of the lever from the primary gripping devices, said primary gripping devices having notched, hooked ends for initially engaging and stretching the wire, and said secondary gripping devices having hooked ends for secondarily receiving and tightening the stretched wire.

1,579,989. MAKING A CALCIUM-NITRATE FERTILIZER. WILHELM WILD and KARL EYER, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed June 29, 1925. Serial No. 40,439. 6 Claims. (Cl. 71—9.)

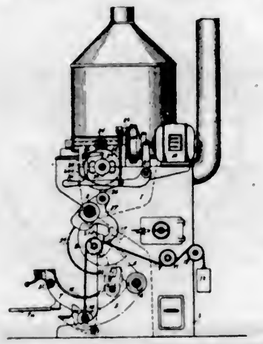
1. The process of making a calcium nitrate fertilizer which consists in making a hot concentrated solution containing calcium nitrate and urea into a spray in a stream of gas.

1,579,990. OPTOMETER. WALTER R. WILSON, Douglas, Ga. Filed Apr. 7, 1923. Serial No. 630,623. 19 Claims. (Cl. 88—22.)



1. In an optometer, a pair of spaced cabinets, each cabinet having a sight opening therein, a plurality of lenses movable therein, means whereby said lenses may be selectively positioned within the sight opening, a stationary guide, a hanger rod secured to the guide for supporting the latter, slidable arms extending oppositely from the ends of the guide and connected to the cabinets for supporting the latter and means whereby the arms may be simultaneously moved in opposite directions to change the distance between the interpupillary centers of the lenses.

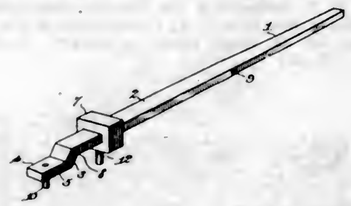
1,579,991. MACHINE FOR CASTING STEREOPLATES. CARL WINKLER, Bern, Switzerland. Filed Jan. 14, 1925. Serial No. 2,413. 3 Claims. (Cl. 22—2.)



1. In a casting machine for curved stereoplates the combination with a pot, a mould adapted to be pressed against the pot, and a cock to control the flow of metal from the pot, of levers to support the bed of said mould,

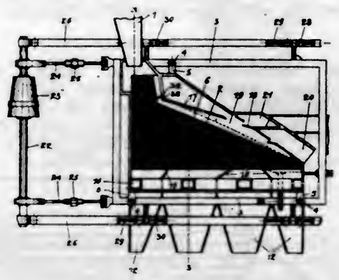
levers to support the core of said mould, a counterweight adapted to press said bed upwards against said core and to move said core against the pot, substantially as set forth.

1,579,992. WRENCH. ALEXANDER ALTMAN, New York, N. Y. Filed Nov. 24, 1924. Serial No. 751,957. 2 Claims. (Cl. 81—90.)



2. A spanner wrench, comprising a body having an offset end, a slidable jaw mounted on said body and limited in its movement in one direction by said offset end, one surface of said jaw and the operating surface of said offset end being in the same plane, a pin jaw for said offset end extending from the operating face, a pin jaw extending from said first mentioned jaw and extending from the operating face thereof, said pin jaws being of the same length and said last mentioned jaw acting in addition as means for clamping the first mentioned jaw in different positions along said body.

1,579,993. APPARATUS FOR SORTING GRANULAR MATERIALS OF DIFFERENT SPECIFIC GRAVITIES. PAUL F. A. C. ANDRÉ, Quaregnon, Belgium, assignor to Société Anonyme des Produits á Flénu, Flenu, near Mons, Belgium. Filed Jan. 30, 1924. Serial No. 689,521. 4 Claims. (Cl. 209—469.)



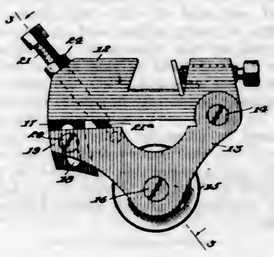
1. An apparatus for sorting granular materials and ores, comprising, an inclined sloping sieve, longitudinal ribs provided upon the upper surface of the sieve, means for longitudinally vibrating said sieve in a direction substantially parallel to the ribs thereon, air blast means at the underside of the sieve for subjecting the materials to be sorted, in addition to its horizontal displacement, to an ascendant motion, a dead zone formed on the sieve in the region where the heaviest particles of material are discharged, and means for varying the area of the zone during operation of the apparatus.

1,579,994. STEAM VENEER DRIER. JOSEPH T. ATKINSON and MILTON A. THRASHER, Cotton Plant, Ark. Filed May 22, 1925. Serial No. 32,083. 10 Claims. (Cl. 34—31.)

10. In a drier a plurality of opposed and spaced pairs of rectangular plates comprising means for shielding and guiding the material operated upon and further capable of being heated for drying such material, heat conducting means secured to the plates of each pair for supporting them in spaced superposed relation and further for heating the same, superposed pairs of conveying rolls arranged forwardly and rearwardly with respect to each

pair of plates for conveying the material operated on through each pair of plates, means for simultaneously operating the rolls of each pair for conveying the material, and supports for said rolls, said supports provided with means to permit of the removal of the upper roll of each pair.

1,579,995. CUTTING OR SCORING MACHINE. RICHARD J. AUBUCHONT, Worcester, Mass. Filed Mar. 16, 1925. Serial No. 16,035. 1 Claim. (Cl. 164—60.)



A cutting or scoring machine attachment comprising a clamping block having a depending tenon provided with a slot, a carrier pivotally attached to said block near one end and having a forked clamping part near its other end, a set screw passing through said clamping part and said slot, a rotary wheel mounted in said carrier, and a ball-ended adjusting screw tapped in said clamping block, the said carrier being provided with a slot adapted to receive the ball portion of said adjusting screw, said slot having a narrow top portion which embraces a neck above the ball part of said screw.

1,579,996. SYRINGE-FILLING ATTACHMENT FOR BOTTLES. GLENN OWEN BANES, North English, Iowa. Filed Dec. 8, 1923. Serial No. 679,456. 3 Claims. (Cl. 215—73.)

1. The combination with a bottle having a cork and a tube extending through the cork and having a flared

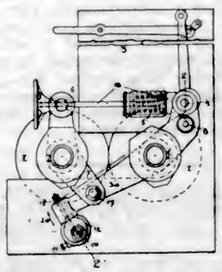
upper end a bent lower end portion adapted to extend to a point adjacent the juncture of the side wall with the

bottom of the bottle, of means upon the tube exteriorly of the bottle for determining the position of such bent end portion.

1,579,997. ADJUSTABLE HAT. LOUIS BARNETT, New York, N. Y. Filed June 19, 1925. Serial No. 38,318. 1 Claim. (Cl. 2—197.)

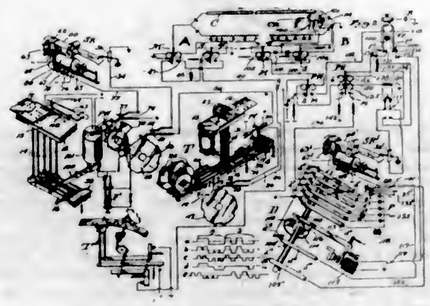
A ladies' hat comprising a crown of flexible material having a split upturned brim fixedly secured to the open edge thereof, one end of said brim being extended to provide a flap, a lining within said crown and split adjacent the ends of said brim, a split stiffening band encircling the major portion of said crown and interposed between the shown and said lining, the ends of said split stiffening band terminating adjacent the split of said lining, and an elastic strap connecting the ends of said stiffening band to normally cause the periphery of said crown to contract, said flap overlapping the adjacent end of said brim, and a removable ornament secured to said flap and crown to hold the crown in an adjusted position against the tension of said elastic strap and to conceal said end.

1,579,998. ROLLER MILL. AUGUST BECKER and OSKAR STARK, Budapest, Hungary, assignors to Ganz & Co.-, Danubius Machine-, Railway-Carriage Manufacturing and Shipbuilding Co. Ltd., Bundapest, X, Hungary. Filed June 21, 1924. Serial No. 721,596. 6 Claims. (Cl. 83—12.)



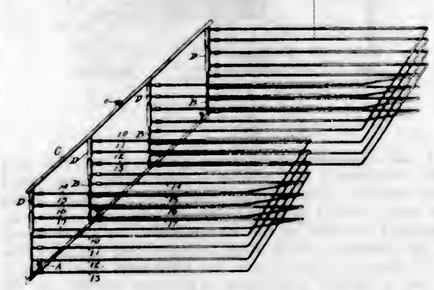
1. In a roller mill, the combination of a frame; a fixed roller therein; bearings for said roller disposed at opposite sides of the frame; a pair of separate carrier members for said bearings removably secured to the frame; a yielding roller movable toward and from the fixed roller; and rocking carrier levers for the yielding roller pivoted to said removable carrier members.

1,579,999. CABLE TELEGRAPHY. GEORGE R. BENJAMIN, Jersey City, N. J., and HERBERT ANGEL, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Oct. 23, 1922. Serial No. 596,467. 20 Claims. (Cl. 178—3.)



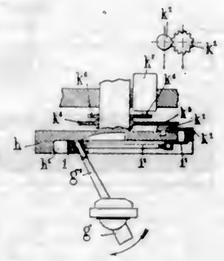
1. In a synchronous telegraph system, a tape-controlled transmitter, comprising a plurality of reciprocable pins adapted to pass in sequence through the tape perforations representing code characters, pole changing means connected to the transmitting circuit and arranged to effect a circuit change upon the reciprocation of any of said pins and means for actuating said pins in succession comprising a series of cams, a shaft carrying said cams and a uniform speed motor operatively connected to said shaft.

1,580,000. REFRIGERATING COIL. JULES R. BERND, Sr., Jackson Heights, N. Y. Filed Sept. 8, 1924. Serial No. 736,620. 8 Claims. (Cl. 257—248.)



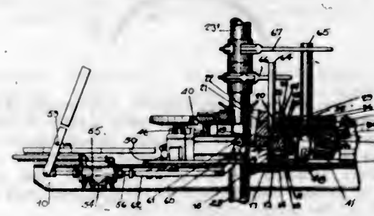
4. A refrigerating apparatus comprising oppositely located liquid inlet and gas outlet manifolds, a set of depending headers on one manifold, a set of headers on the second manifold with individual headers of the second set being alined with those of the first set, a plurality of U-shaped pipes connecting a header of the first set to a header of the second set, and a plurality of U-shaped pipes crossing the first-named set of pipes and connecting another pair of headers, substantially as set forth.

1,580,001. EXCAVATING APPARATUS. ROBERT HENRY BICKNELL, Westminster, London, England. Filed July 28, 1925. Serial No. 46,638. 4 Claims. (Cl. 262—7.)



1. Excavating apparatus including a tool carrying arm, means situated at a point on the longitudinal axis of the machine for supporting the tool carrying arm for universal movement, rotary driving means, constantly radially moving means connecting the driving means with the tool carrying arm, and means for changing the position of the connecting means with respect to the axis of the driving means to constantly change the position of the arm.

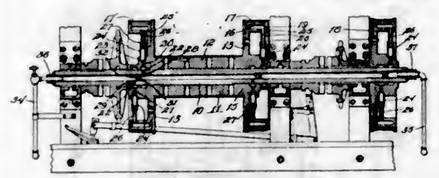
1,580,002. ROTARY WELL-DRILLING APPARATUS. LEE J. BLACK, Beaumont, Tex. Filed May 21, 1925. Serial No. 31,908. 21 Claims. (Cl. 255—23.)



21. In a well drilling machine and in combination a base, a member rotatable upon the base having means associated therewith for supporting a drill pipe and securing the same against rotation with relation to the member, a drive including a table concentric with the member, means for clutching and unclutching the drive to the member, a brake for the member and means for simultaneously applying the brake and connecting the clutch operable during operation of the drive and stationary with relation to the table.

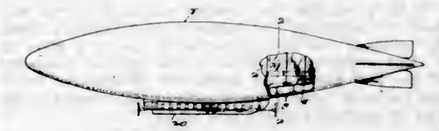
1,580,003. DRAW WORKS OF ROTARY WELL-DRILLING APPARATUS. LEE J. BLACK, Beaumont, Tex. Filed Sept. 22, 1925. Serial No. 57,936. 3 Claims. (Cl. 188—264.)

2. In combination with a hollow shaft, a hub mounted upon the shaft and having internal grooves each in communication with the interior of the shaft, a flange on the hub, a braking flange upon the hub flange and overhanging the hub, a passage-way formed in each flange, axially aligned threaded openings formed in the braking flange and hub, the openings of the braking flange communicating with the passages, the openings of the hub communicating with said grooves, a pair of telescopically engaged conduits having their ends in threaded engagement with the corresponding openings of the brake flange and hub and of a combined overall



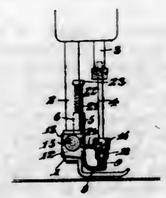
length greater than the distance between the brake flange and hub, a sealing connection between said conduits, ports in the walls of the shaft communicating with the grooves of the hub, the bore of the shaft being reduced intermediate said ports to thereby produce a shoulder and a dam seated against said shoulder.

1,580,004. AIRSHIP. ALLEN BRADFORD, Portland, Oreg. Filed May 29, 1925. Serial No. 33,751. 5 Claims. (Cl. 244—6.)



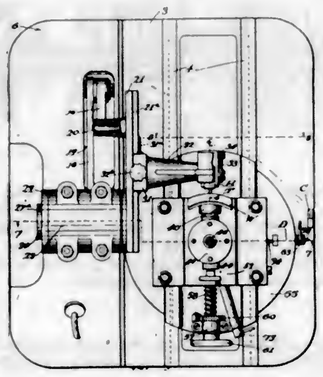
1. In an airship, a bouyant body including an outer casing, a container for gas lighter than air arranged with said casing, a container for air also arranged in the casing and engageable with the container for the gas lighter than air, means for supplying and exhausting air to and from said air container and comprising a motor driven blower, a pipe leading from the blower and communicating with the air container, said pipe having a port therein, and a controllable valve for regulating the exhaust of air from said port.

1,580,005. SEWING-MACHINE-NEEDLE GUARD. SAMMY C. BRAY, Springfield, Mo. Filed Feb. 3, 1926. Serial No. 85,753. 4 Claims. (Cl. 112—261.)



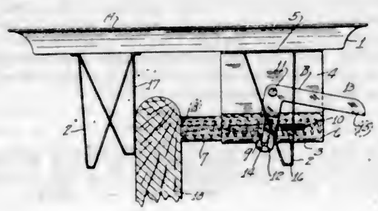
1. A needle guard comprising a carrier adapted to be connected to the presser foot of a sewing machine and having its lower portion constructed to project into the path of a needle of the machine, an extensible and contractile guard element formed of a series of tubular telescopic sections of different diameters arranged in superposed relation with respect to the lower portion of the carrier, and a spring controlled suspension device slidably supported from said carrier and connected to the section of greatest diameter of said element for normally maintaining the latter extended.

1,580,006. MACHINE FOR CUTTING COMPOUND CURVES. RAY W. BROWN, Los Angeles, Calif., assignor, by mesne assignments, to Barney Oldfield Manufacturing Company, a Corporation of California. Filed Dec. 29, 1922. Serial No. 609,717. 19 Claims. (Cl. 82—12.)



1. In a machine for forming compound curved surfaces, an oscillating tool holder, a work holder, a turret for swinging the work holder in an arc in a plane at a right angle to the plane of the path of movement of the tool holder, and means for shifting the turret and the work holder along a path at right angles to the axis of oscillation of the tool holder.

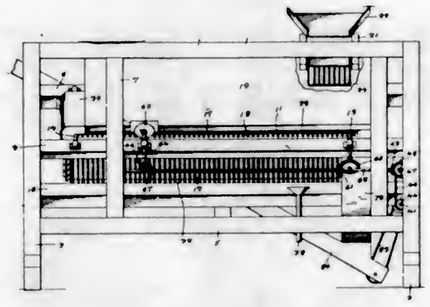
1,580,007. SERVING TRAY. CLARENCE ROSS BRYANT and ALBERT F. WEISS, St. Louis, Mo. Filed Sept. 23, 1925. Serial No. 58,109. 2 Claims. (Cl. 45—51.)



2. In a serving-tray, a plate, in combination with means carried by the plate for detachably fastening the plate in tray-serving position upon a support, said means including a fixed support-engaging member depending rigidly from the plate, a shell suspended from and under the plate, a plunger disposed for shiftable movement within and relatively to the shelf for co-operation with the fixed member, a spring having engagement with the shell and plunger for normally holding the plunger yieldingly in projected position relatively to the shell, and a bell-crank lever, fulcrumed upon the shell and having slot-and-pin connection with the plunger for retracting the plunger against the tension of the spring.

1,580,008. STRING-BEAN-TREATING MACHINE. JAMES M. BUCHANAN, Mountain View, Mo. Filed June 26, 1925. Serial No. 39,820. 10 Claims. (Cl. 106—86.)

1. In a machine of the character described, a supporting frame, a pair of oppositely traveling conveyors mounted therein, one above the other and arranged at an angle with respect to each other, guard means connecting the discharge end of the upper conveyor with the intake end of the lower conveyor, hopper means for



depositing string beans upon the intake end of the upper conveyor, and means located adjacent the lower edges of both conveyors for cutting off the ends of beans.

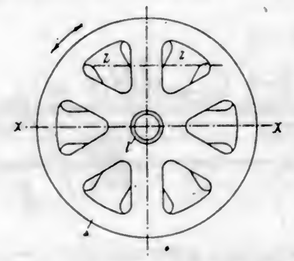
1,580,009. SIGNATURE STAMP FOR MULTIGRAPHING MACHINES. HOWARD TAYLOR BUCK, Cedar Knolls, N. J., assignor to T. S. Buck Mfg. Co., New York, N. Y., a Corporation of New York. Filed Dec. 26, 1924. Serial No. 758,219. 1 Claim. (Cl. 101—376.)

As a new article of manufacture a signature stamp for multigraphing machines comprising a strip of yieldable material having the signature raised thereon, a backing member or base constructed of celluloid and adhesively attached to said yieldable strip, said base being of arcuate formation with the yieldable strip attached to the convex surface thereof.

1,580,010. SIGNATURE STAMP FOR MULTIGRAPHING MACHINES. HOWARD TAYLOR BUCK, Cedar Knolls, N. J., assignor to T. S. Buck Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1925. Serial No. 51,646. 1 Claim. (Cl. 101—379.)

A signature stamp for multigraphing machines, comprising an arcuate yieldable base, a fabric covering secured to the convex face thereof and having an outer rubberized face, an elastic strip of material having crossed longitudinal and transverse beads or ribs on its inner face attached to the outer rubberized face of the covering strip by the free edges of the beads or ribs, and a signature bearing strip of elastic material secured to the outer solid face of said ribbed strip of material.

1,580,011. VEHICLE WHEEL WITH COOLING DISK. ETTORE BUGATTI, Molsheim, France. Filed Jan. 8, 1925. Serial No. 1,264. 3 Claims. (Cl. 301—64.)



3. A wheel for motor vehicles in which the spokes are formed in a solid web, said spokes having their forward edges, in the direction of travel, slightly deflected towards the exterior, said deflection being produced on the outer side of the spoke with reference to the vehicle body.

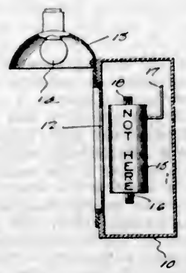
1,580,012. CHOLINE COMPOUND HAVING LAXATIVE PROPERTIES. JÜRGEN CALLSEN, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed May 11, 1925. Serial No. 29,624. 4 Claims. (Cl. 260—108.)

4. As a new product a choline compound being chemically the acetyloxyethylethertrimethylammonium bromide having most probably the formula

$$CH_3—COO—CH_2—CH_2—O—CH_2—CH_2—N(CH_3)_3 \cdot Br$$

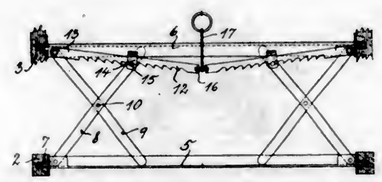
being a white crystalline powder easily soluble in water and alcohol, almost insoluble in ether melting at about between 126 and 128° C. and being a valuable laxative for subcutaneous use, substantially as described.

1,580,013. INDICATOR. ROBERT LEE CAMPBELL, Morristown, Tenn. Filed June 14, 1923. Serial No. 645,428. 1 Claim. (Cl. 177—329.)



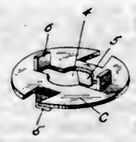
A signal device of the character described comprising an enclosing casing having a dial provided with a vertically elongated slot, a rectangular frame member mounted within the casing at the intermediate portion thereof, a vertically arranged cylinder pivoted within said frame to the rear of said slot, a permanent magnetic needle of angular formation carried by said cylinder and having a vertical portion projecting above said frame and engageable therewith for limiting rotative movement of the cylinder in both directions, said cylinder bearing indications adapted to be displayed through the slot, and an electro-magnet mounted in horizontal position within the casing in position to attract or repel said polarized permanent magnetic needle.

1,580,014. ADJUSTABLE PAD. PETER VILHELM CHRISTIANSEN, Copenhagen, Denmark. Filed Dec. 26, 1922. Serial No. 609,121. 1 Claim. (Cl. 5—71.)



In adjustable pads the combination of an upper frame, a transverse channeled slide turnably mounted in the same frame; a lower frame, a channeled slide parallel to the first named slide and turnably mounted in the lower frame; pairs of pivotally connected cross-bars, one pair at each end of the pad, in each pair one bar being pivotally mounted in the channel of the upper slide and having the lower end slidable in the channel of the lower slide, the second bar of each pair being pivotally mounted in the channel of the lower slide, and having its upper end slidable in the channel of the upper slide; two racks, each pivotally connected respectively at its outer end to an outer end of the upper slide and having oppositely directed teeth; springs for holding the said racks down; means for connecting the adjacent inner ends of the said racks; a drag rope for lifting the said racks against the action of the springs; bows placed near the slidable end of the bars which are pivoted to the lower slide, each of said bows encircling an adjacent rack; cross-pieces connecting said bows to said bars respectively, said cross-pieces engageable with the teeth of said racks, so that the upper frame is held lifted as long as the said drag rope is left uninfluenced, while it can be lowered by pulling the drag rope to lift the racks out of engagement with the teeth of the cross-pieces to allow the pairs of cross-bars to spread.

1,580,015. LOCK WASHER. GLEN G. CLARK, Devils Lake, N. Dak. Filed Dec. 3, 1923. Serial No. 678,208. 1 Claim. (Cl. 151—32.)

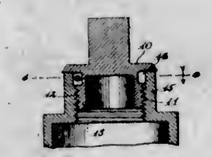


A lock washer, comprising a plate having a central bolt receiving opening, a plurality of slits extending outwardly from the central opening to define a pair of lugs, said lugs being bent outwardly from one side of the plate substantially at right angles, a plurality of slits extending inward from the periphery of the plate to define a pair of lugs, said lugs being bent away from the plate substantially at right angles and oppositely to the first mentioned pair of lugs, both pairs of lugs being bent away from the plate equi-distant from the center of said opening, for the purpose set forth.

1,580,016. LOCK FOR PLUGS. GEORGE SINON COLLINS, Meadville, Pa. Filed Apr. 29, 1924. Serial No. 709,867. 1 Claim. (Cl. 220—39.)

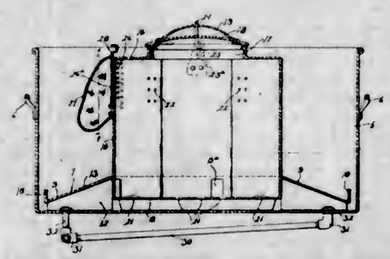
The combination with a member having a bossed outlet formed with an internally threaded portion constituting a seat and a closure plug having a threaded boss and a peripheral flange spaced from the threaded portion of the

boss to define an annular groove, of means for locking the plug in closed relation to the bossed outlet comprising alined aperture portions in the bossed outlet and a re-



taining pin insertable through said aperture portions and presenting a part of said retaining pin in intersecting relation to the grooved portion.

1,580,017. WASHING APPARATUS. GEORGE W. CONNOR, Anderson, S. C., assignor of one-half to Joseph K. Bray, Greenville, S. C. Filed June 25, 1924. Serial No. 722,375. 4 Claims. (Cl. 68—30.)

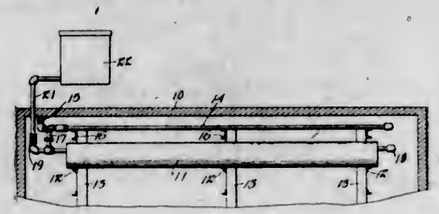


1. In a device of the character described, a boiler having an open top, a suds receptacle of less width and length than the boiler disposed therein and formed at its sides with outwardly and downwardly extending flanges removably engaged upon the upper edge of the open top boiler, said suds receptacle having an opening in its top surrounded by an upstanding flange, a removable cover normally closing said opening in the suds receptacle, said suds receptacle having its bottom provided with openings and having its side walls formed near their upper ends with perforations, and a filtering bag mounted upon the outside of the suds receptacle and extending about a perforated area.

1,580,018. STUFFING BOX FOR DRY GAS METERS AND THE LIKE. ALBERT GEORGE COOKE, BENJAMIN CHARLES PHILLIPS, and RUPERT AXE PHILLIPS, Hove, England. Filed May 25, 1925. Serial No. 32,859. 1 Claim. (Cl. 286—30.)

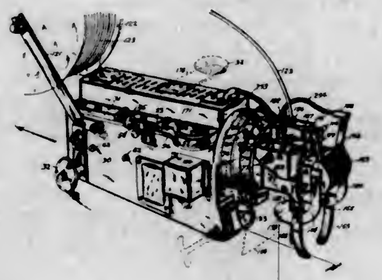
A stuffing box with a screw cover having their inner ends slightly concave receiving a helical spring which latter tapers towards its center, said spring provided with a flexible washer at each end being partially interposed and compressed between two metal hoops, the outermost hoop being integral with clips engaging with the respective ends of said spring, the latter enclosing in said stuffing box with a suitable grease and rotating with a shaft.

1,580,019. COOLING SYSTEM. WALTER COX, Indianapolis, Ind. Filed May 27, 1925. Serial No. 33,252. 2 Claims. (Cl. 62—95.)



1. A refrigerating system comprising a closed refrigerating compartment, a coil supported in an upper corner of said compartment, connections from the ends of the coil to the source of supply, hold-over tanks or brine cylinders interposed in series with said coil adapted to contain a supply of cooling brine for maintaining the temperature approximately uniform during intervals of inactivity of the system, substantially as set forth.

1,580,020. ELECTRIC WELDING APPARATUS. ARTHUR EDWARD CUTLER and PHILIP ALLAN MARSDEN, Newcastle, New South Wales, Australia. Filed July 24, 1923. Serial No. 653,589. 16 Claims. (Cl. 219—8.)

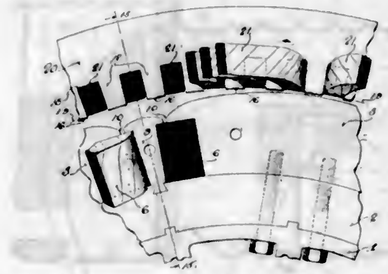


1. In an electric arc welding machine constructed to automatically travel along the joint to be welded and including an electric motor geared to a driving wheel, a pair of feed rollers also geared to said motor, and an electrode passing between said feed rollers, means whereby the motor speed is automatically varied in accordance with any variation occurring in the length of the arc, so that the progressive speed of the machine and rate of feed of the electrode are synchronized, said means comprising a connection whereby the arc voltage is impressed on the motor armature, and an adjustable shunt in the welding circuit whereby a proportion of the welding current is passed through the motor field, the strength of the latter being thus varied proportionately to the value of the current in the welding circuit.

1,580,021. MEDICINE. WILLIAM CHURCH DAVIS, Berkeley, Calif. Filed Sept. 16, 1925. Serial No. 56,743. 3 Claims. (Cl. 167—7.)

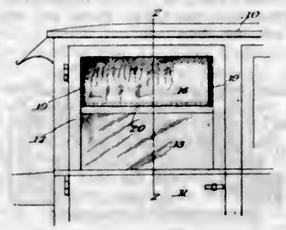
2. A medicine for the treatment of intestinal stasis comprising bran roughage and a bland neutral oil, in such proportions that the bran is in excess by weight over the oil, the whole being admixed into a substantially homogeneous mass, wherein the oil will relieve against any packing tendency of the roughage, and is so held as to prevent external leakage or seepage.

1,580,022. DYNAMO-ELECTRIC MACHINE. JOHN F. H. DOUGLAS and EDWARD W. KANE, Milwaukee, Wis. Filed Feb. 14, 1924. Serial No. 692,714. 7 Claims. (Cl. 171—252.)



1. In a dynamo electric machine of the synchronous type, a pole tip approaching the neutral axis at a distance not greater than 1.2 times its distance from the equivalent armature surface.

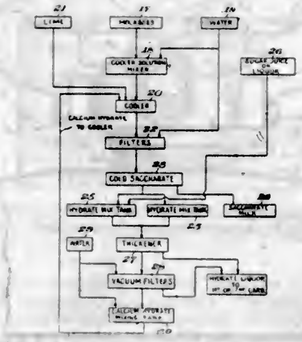
1,580,023. AUTOMOBILE ATTACHMENT. JAMES L. DROHEN, Dunkirk, N. Y. Filed June 13, 1924. Serial No. 719,865. 2 Claims. (Cl. 296—95.)



1. A vehicle attachment comprising a pair of brackets secured to the opposed side of the window frame of said vehicle, each bracket including an inwardly directed horizontal flange, threaded elements supported centrally on said brackets, each including a head, a U-shaped member pivotally mounted on said threaded elements and capable of being swung inwardly of said vehicle or outwardly thereof through the window opening, a shade roller journaled on said window frame above the U-shaped member, said pivotal members being connected with the free edge of said shade, whereby the latter is wound about or unwound from its roller incident to the movement of said member, washers supported on said threaded elements and arranged between the hinge thereof and the adjacent portions of said pivoted members and adapted to frictionally hold said pivoted members fixed with relation to the window in any given position, the threaded elements being adjustable to vary the friction between the washers and said member, and spaced stops supported by each flange and arranged to limit the upward movement of the pivoted members when swung in either direction.

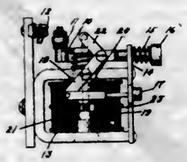
1,580,024. PROCESS IN RECOVERING CALCIUM HYDRATE. GEORGE M. DRUMMOND, Colorado Springs, Colo., assignor to Holly Sugar Corporation, Colorado Springs, Colo., a Corporation of New York. Filed Sept. 23, 1924. Serial No. 739,362. 6 Claims. (Cl. 127—55.)

1. In a process of recovering calcium hydrate from cold saccharate obtained in a process of recovering sugar from molasses obtained in the manufacture of sugar from sugar beets, the method of separating calcium hydrate from a liquid in intermixture therewith, which comprises continuously introducing the liquid mixture into what is known as positive pressure or vacuum thick-



eners, the clear liquid continuously flowing from same and removing the precipitate from the bottom and filtering the precipitate, the filtering medium in said thickener being completely submerged at all times.

1,580,025. ELECTROMAGNETICALLY-CONTROLLED DEVICE. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 29, 1921, Serial No. 504,053. Renewed Mar. 19, 1925. 10 Claims. (Cl. 200—94.)

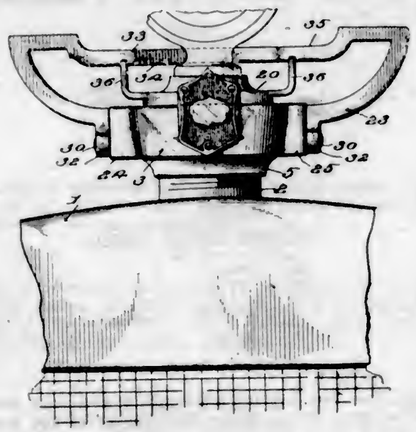


10. The combination in an electric switch of a switch member biased to the open position, a controlling electromagnet therefor comprising a winding energized responsively to the current through the switch and two magnetic movable members controlled thereby for controlling the said switch member, means whereby the first of said magnetic members moves independently of the second to close the switch and the switch is magnetically held closed thereby while the current in the said winding is above a predetermined minimum value, and the said magnetic members move simultaneously to open the switch when the current in the said winding rises to a predetermined maximum value, manually operated means connected to the said switch member for operating the same to the closed position and holding the switch member in the closed position during the initial rush of current through the said winding.

1,580,026. AUTOMOBILE RADIATOR CAP. EDWARD H. ELLISON, Jamestown, N. Y., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,503. 8 Claims. (Cl. 220—24.)

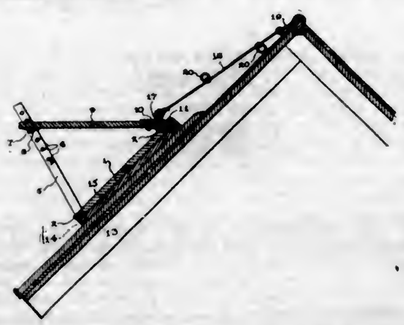
1. A device of the class described comprising an open-top cap body adapted for connection to the filling spout of an automobile radiator, a cover for said cap provided with a central bore for the reception of the sleeve of an upstanding motormeter or the like, a hinge connection be-

tween said cap body and cover, and a bail pivoted to said cap body and provided with an extension adapted to engage diametrically opposite portions of said cap, said



bail and extension being constructed and arranged to permit said bail to swing clear of the top whereby to permit unrestricted opening of said cap.

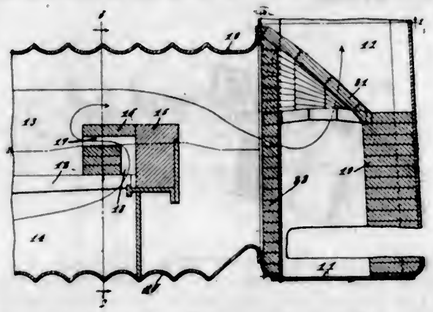
1,580,027. ROOF JACK. FREDRICK FAGG, Springfield, Mo. Filed Aug. 22, 1924. Serial No. 733,620. 2 Claims. (Cl. 304—20.)



1. As an article of manufacture, a roofing jack consisting of main and sub-bases, the latter being detachably secured flatwise to the former and provided with corner notches at one end thereof, a platform hingedly connected to one end of the main base with means pivotally connected to the opposite end of the main base for supporting the platform in a horizontal position according to the pitch of the roof, and edge bars detachably carried by the opposite longitudinal edges of the main base and provided with projecting lugs at their ends adjacent the pivot of the platform to enter the notches and overlie the edge walls of the notches.

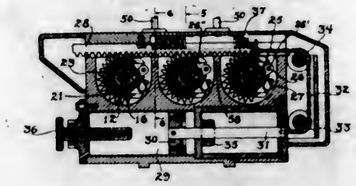
1,580,028. FURNACE. WILLIAM S. FANDREI, Ashtabula, Ohio. Filed Dec. 22, 1924. Serial No. 757,446. 1 Claim. (Cl. 110—75.)

In a furnace including grate bars having a solid bridge wall extending across the rear ends thereof, a supplemental solid bridge wall resting upon said bars and extending transversely thereof against the face of said first mentioned bridge wall, said supplemental bridge wall having a recess in, and extending throughout the length of the back, said recess being of less height than the wall and opening through the grate therebeneath, and said



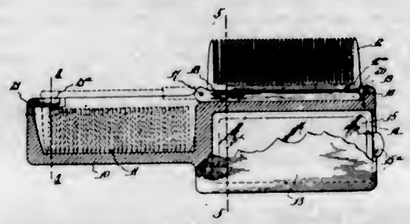
supplemental wall further having a series of transverse passages therethrough opening at one end through the front of the wall and at the other end into the upper part of said recess.

1,580,029. AUTOMATIC INDEXING MECHANISM. CHARLES A. FISHER and WILLIAM MACPHERSON, Dundas, Ontario, Canada, assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 20, 1922. Serial No. 602,248. 24 Claims. (Cl. 90—56.)



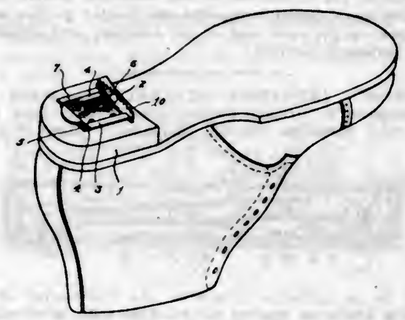
1. In combination, a headstock, a plurality of work spindles therein, means including a longitudinally movable fluid operated piston on the headstock operatively connected to the spindles for indexing the same, and adjustable means for limiting the movement of the piston in the spindle indexing direction.

1,580,030. COMBINATION TOILET ARTICLE. WILLIAM FRIEDMAN, Jefferson Barracks, Mo. Filed Feb. 7, 1925. Serial No. 7,554. 9 Claims. (Cl. 132—87.)



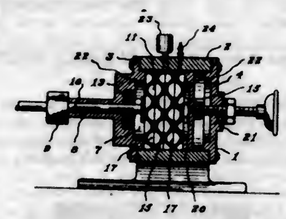
1. A combination toilet article comprising a brush having a recess in its handle to receive a comb, a comb hinged to the brush so as to be housed in said recess and movable to positions alongside one edge of the back of the brush, said comb having a notch in its outer end, and a spring clip attached to the brush to engage the aforesaid notch in the comb when the latter is in the position at one edge of the back of the brush.

1,580,031. SHOE HEEL. CIRIACHINO FURCOLO, Philadelphia, Pa., assignor of one-half to John Ceffaratti, Philadelphia, Pa. Filed May 28, 1924. Serial No. 716,476. 1 Claim. (Cl. 36—36.)



In a device of the class described, a substantially rectangular attaching plate centrally secured on the heel portion of a shoe, having three edges thereof bent at right angles to the secured plate portion, said angularly extended edges bent outwardly at right angles to the first angular bend, providing a rear and side laterally extending flanges, the front edge of said attaching plate angularly bent to provide a depending flange forwardly of and extending below said laterally extending flanges, said depending flange provided with a plurality of teeth, and a rubber heel having a central U-shaped recess, the sides thereof undercut for receiving said laterally extending flanges, and retaining said heel against vertical movement, a transverse recess of greater depth, forwardly of said U-shaped recess and adjacent the front edge of said heel, said depending flange adapted to bite into the bottom of said transverse recess by means of said teeth, said recess extended adjacent the side edges of said heel and forming a shoulder at each open end of the undercut recess, for abutment against the depending flange, said teeth and shoulders adapted to retain the rubber heel on the attaching plate against rearward movement.

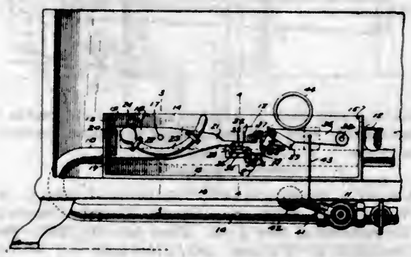
1,580,032. ROTARY PUMP. IRA D. GEIGER, Philadelphia, Pa. Filed Feb. 11, 1924. Serial No. 692,146. 4 Claims. (Cl. 103—96.)



1. In a rotary pump, a stator, a rigid abutment at one end of the stator, an adjustable abutment within the stator, a rotor rotatable within the stator between said adjustable and rigid abutments, said abutments provided with arcuate cut-out portions gradually increasing in depth as they curve towards the outlet of the stator.

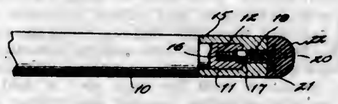
1,580,033. AUTOMATIC GAS CUT-OFF. HARVEY GODFREY, Newport, Ky. Filed June 1, 1925. Serial No. 34,048. 5 Claims. (Cl. 67—116.)

1. In an automatic cut off for gas burners, a controlling valve in the supply conductor adapted to be closed by a weighted lever, a poised supporting member, a thermostatic device coupled to said poised member and operative to control the movement thereof by change of temperature, a swinging arm connected to the weighted valve lever, a movable trip latch carried by said swinging arm, a stationary inclined stop 45 engaged by said



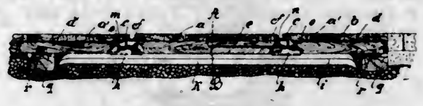
trip latch to hold said swinging lever arm in position to hold the valve open, a swinging trip plate having a vertical terminal normally engaging the trip latch, and a trip finger swinging upon the trip plate and limited in its movement in one direction and extending into the path of the poised supporting plate.

1,580,034. CUE. CARMELINO GULFI, Boston, Mass. Filed Nov. 18, 1925. Serial No. 69,899. 2 Claims. (Cl. 273—70.)



1. A cue stick of the character described having a reduced dowel provided upon its forward end and including a centrally disposed longitudinally extending threaded bore provided within the forward end, a barrel having an enlarged socket for receiving the dowel therein and enlarged bore communicating therewith for registering with the threaded bore of the dowel, a shaft having a threaded shank provided upon its inner end and received within the threaded bore of the dowel and providing a threaded socket within its forward end, and means fitted within the socket of the shaft for securing a cue tip upon the forward end of the barrel.

1,580,035. COVERING FOR RAILWAY-TRACK CROSSINGS. HERMANN GÜSMER, Zernitz, Germany. Filed Jan. 31, 1924. Serial No. 689,797. 8 Claims. (Cl. 238—8.)

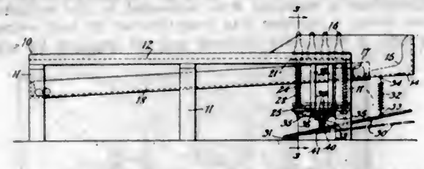


1. A covering for railway-tracks having transverse sleepers, comprising, in combination: wooden beams located on the sleepers between the rails and having the upper half cut away along half their length forming ledges; wooden fillers inserted into these recesses and filling them up; a set of parallel wooden planks located on said beams and another set on said fillers; and means connecting said planks with said beams and with the said fillers, as set forth.

1,580,036. GAME APPARATUS. WILLIAM ANDREW HAEGELE, Elizabeth, N. J. Filed July 11, 1925. Serial No. 42,987. 4 Claims. (Cl. 273—46.)

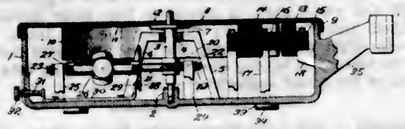
1. A game apparatus comprising a supporting structure, an alley bounded on each side by a gutter and a pit adjacent one end of said alley on said supporting structure, a set of pins, a pin rack normally seated in

a recess in said alley so that its upper surface will be flush with the upper surface of the alley, means for



elevating said rack to receive the pins, and means for lowering the rack and for holding the same lowered in the recess.

1,580,037. PHONOGRAPH. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,679. 1 Claim. (Cl. 274—2.)

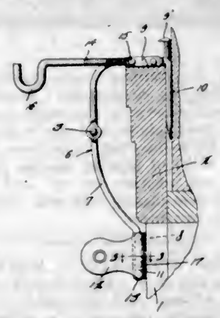


A phonograph comprising a cylindrical cup-shaped cabinet, a cover therefor constituting the record turn-table, said cover having a turned-over edge adapted to fit loosely over the top of said cabinet, a central vertical spindle for said turn-table entirely rotatably supported from the floor of said cabinet and an induction motor for driving said phonograph comprising a stationary core member supported from the inner wall of said cabinet and a movable armature member constituting a cylindrical band of conducting material of less diameter than the cabinet depending from the under side of said cover.

1,580,038. PROCESS FOR THE PRODUCTION OF AMMONIA FROM GASES CONTAINING CYANIDE OF HYDROGEN. BIRGER FJELD HALVORSEN, Oslo, Norway, assignor to Norsk Hydroelektrisk Kvaelstofaktieselskab, Oslo, Norway. Filed Feb. 16, 1925. Serial No. 9,709. 4 Claims. (Cl. 23—195.)

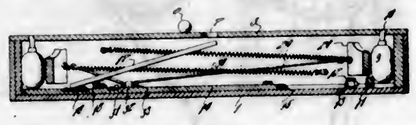
1. Process for the production of ammonia comprising the steps of adding to a gas mixture which contains hydrogen and cyanide of hydrogen a quantity of oxygen and passing the gas mixture at a raised temperature over a catalyzer to convert the cyanide of hydrogen into ammonia.

1,580,039. CURTAIN AND SHADE SUPPORT. HENRY E. HARTWIG, Superior, Wyo. Filed July 14, 1924. Serial No. 726,055. 1 Claim. (Cl. 156—23.)



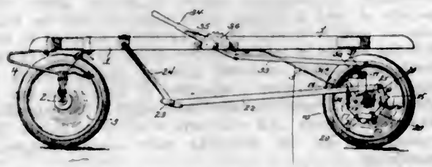
A curtain bracket including a curved body member, a horizontal bar portion at the upper end thereof, the outer end of said bar being formed in an upstanding headed portion, the lower end of said body being formed with a bearing shank, an auxiliary arm having a horizontal portion arranged parallel and connected with the horizontal bar of the body, said auxiliary arm having a pointed pin at one end of the horizontal portion projecting in a direction opposite the headed portion and a hook on the outer end of the auxiliary arm opposite the horizontal portions.

1,580,040. INITIATION APPARATUS. ARTHUR J. HASBROUCK, Grundy Center, Iowa. Filed June 23, 1924. Serial No. 721,859. 3 Claims. (Cl. 272—27.)



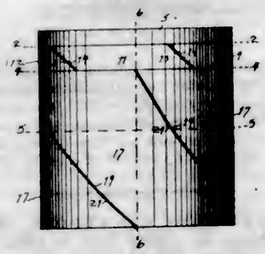
1. In an initiation apparatus, the combination of a casing having an opening in one of its walls, a cartridge holder in the casing, a plunger guided in the casing and provided with a firing pin, a spring for impelling said plunger toward the cartridge holder, a movable keeper detachably engaged with the plunger to prevent movement thereof under the action of the spring and having a free end arranged opposite said opening and a weighted object adapted to be passed through said opening to contact the free end of said keeper for releasing the same.

1,580,041. TOY AUTOMOBILE. AXEL W. HAWKINSON, Washington, Pa., assignor to Sidway-Topliff Company, Washington, Pa. Filed Nov. 25, 1925. Serial No. 71,441. 8 Claims. (Cl. 208—35.)



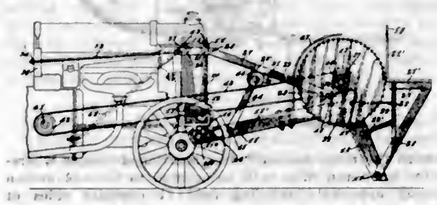
1. In a vehicle, the combination with a frame, front and rear axles and wheels, of ratchet wheels secured to the rear axle, sprocket members mounted on said rear axle, dogs carried by said members and cooperable with said ratchet wheels, a connected series of links pivotally connected at one end with the lower portion of each ratchet member, and means connected with the upper portions of the connected series of links for manually operating said links to turn said sprocket members.

1,580,042. PISTON CONSTRUCTION. STEVEN HIBASCO, Palo Alto, Calif., assignor of one-half to Henry F. Kaugieser, Palo Alto, Calif. Filed May 18, 1925. Serial No. 31,163. 1 Claim. (Cl. 74—108.)



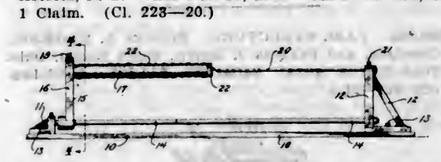
In a device of the character described, a head having spaced flanges, a plurality of depending sections movably secured between said flanges, a filler block secured to each of said sections and interposed between said flanges, said sections having their abutting edges cut upon an angle, and means for expanding said piston, for the purpose specified.

1,580,043. TOOL-SUPPORTING ATTACHMENT TO MOTOR-DRIVEN VEHICLES. ARTHUR HOEL, Orchard, Iowa. Filed Apr. 20, 1925. Serial No. 24,714. 5 Claims. (Cl. 180—53.)



1. In an apparatus for the purpose set forth a pair of vertically disposed spaced rectangular supports each adapted to be secured to one side of the body of a mobile vehicle and project forwardly therefrom, a clip element depending from the lower end of each of said supports, upwardly inclined arms having their lower ends pivotally mounted in said clip elements, a depending forwardly inclined hanger having its upper end fixedly secured to the outer end of each of said arms, a transverse support connecting the outer ends of said arms together, a shaft mounted on said support and carrying a tool element, a rear pair of forwardly extending and downwardly inclined brace members having their rear ends pivotally connected with the upper ends of said vertical supports, a forward pair of forwardly extending and downwardly inclined brace members having their forward ends pivotally connected to the rear of said transverse support and their rear ends overlapping and pivotally connected to the forward ends of the first mentioned pair of brace members, and means for detachably coupling the pairs of brace members together for maintaining them in bracing position.

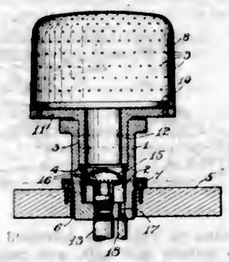
1,580,044. TURNER OR REVERSER. EMIL F. HORN, Astoria, N. Y. Filed Feb. 19, 1924. Serial No. 693,857. 1 Claim. (Cl. 223—20.)



A turner or reverser for tubular fabric belts comprising a base, spaced brackets mounted upon said base, rails supported by said brackets, a head slidable over said rails and having an opening therein, a tubular member open at both ends, a set screw for removably clamping one end of said tubular member against the wall of said opening, a push rod carried by one of said brackets and arranged in axial alignment with the longitudinal axis of said tubular member whereby a tubular belt inserted over said tubular member will be reversed and ejected from said tubular member upon the movement of said tubular member over said push rod.

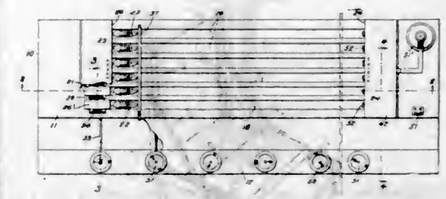
1,580,045. HAT BLOCK. JAMES H. JOHNSON, Indianapolis, Ind., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 31, 1922. Serial No. 598,186. 2 Claims. (Cl. 223—21.)

1. In a device of the character specified, the combination of a socketed base; means for introducing steam into the lower portion thereof; means serving to prevent water of condensation from passing upwardly through the base; a hollow perforate hat forming block presenting an exterior surface of a conformation of the hat to be



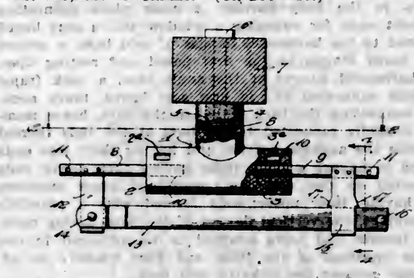
blocked, such surface being free of any projections which preclude the drawing of the hat directly against the same; and a hollow neck piece extending from the base of the block and fitting closely within the socketed base.

1,580,046. AMUSEMENT APPARATUS. AUGUSTUS W. JONES, Jr., and CHARLES ABRAMS, Oceanside, N. Y. Filed Aug. 17, 1925. Serial No. 50,758. 11 Claims. (Cl. 273—86.)



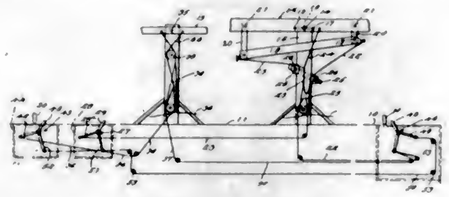
1. An amusement apparatus comprising a plurality of tanks each containing a supply of water, a buoyant object in each tank, individual means for agitating the water in each tank, and individual operating means for controlling said first means.

1,580,047. DISCONNECTING SWITCH. SETH N. JORDAN, Burlington, Iowa. Filed June 5, 1924. Serial No. 718,130. 2 Claims. (Cl. 200—49.)



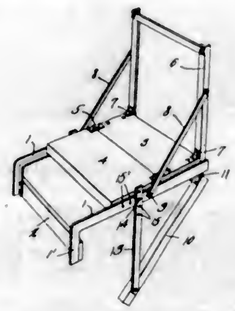
1. A disconnecting switch comprising a one-piece insulator having a pair of oppositely projecting branches, and a third branch at right angles to said pair of branches adapted to be attached to a support, straight alined metallic wire anchors anchored at one end in said branches respectively and projecting oppositely therefrom, the outer ends of said anchors having provision for connecting wires thereto, a switch blade adjacent said insulator and having its end portions parallel with said wire anchors, a rigid arm extending laterally from one of said anchors and pivoted to one end of said blade, and a fixed contact extending laterally from the other anchor for co-action with the other end of the blade.

1,580,048. RAILWAY GATE AND SIGNAL. WALTER G. JOY, Cleveland, Tex. Filed May 21, 1925. Serial No. 31,903. 5 Claims. (Cl. 246—293.)



1. An apparatus of the class described comprising a gate, means to actuate said gate, and means carried by the gate having a movement relatively to the gate and independently of the swinging movement of the gate and of the first mentioned means to which the first mentioned means is connected to avoid direct operating pull on the gate.

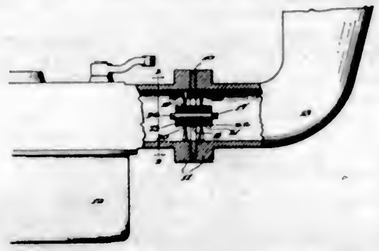
1,580,049. WINDOW-CLEANING DEVICE. STEVE KARDOS, Cleveland, Ohio. Filed Feb. 20, 1925. Serial No. 10,621. 1 Claim. (Cl. 304—27.)



A device of the class described including a pair of angle shaped bars arranged in parallel spaced relation with each other and each having one end bent at right angles to the body portion, a cross piece connecting the bent ends for engaging a window sill, a seat board fastened to the horizontal flanges of said bars, a second seat board hinged to the first board and resting upon the horizontal flanges of the angle bars, a back frame hingedly connected to the first seat board, brace members connecting the back frame to the bars, brace members hingedly connected to the bars at the ends thereof opposite the angular portion and having their free ends curved to engage a wall, links having their lower ends connected to the said last mentioned brace members and having their upper ends formed with a plurality of openings, the vertical flanges of the bars having openings therein and bolts adapted to be arranged in one of the openings of the links and bars whereby to adjustably connect the links to said bars.

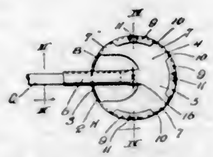
1,580,050. MIXING DEVICE. JOHN KESTLY, Portland, Oreg. Filed May 28, 1924. Serial No. 716,446. 1 Claim. (Cl. 48—180.)

A mixing device including a body plate having an opening and provided with a spider to extend across said opening, a shaft extending through the spider axially of the opening, hubs journaled upon the shaft at opposite sides of the spider and provided with flanges to confront the spider, fan discs fitting over the hubs to abut said flanges and provided with oppositely twisted blades, and rings surrounding the hubs to confront the discs, the hubs being formed at their outer ends with flanges bearing against said rings for clamping the discs



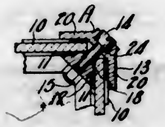
between the rings and said first mentioned flanges whereby the hubs and discs will be secured to turn in unison forming oppositely rotating fans at opposite sides of said body plate.

1,580,051. DOLL'S EYE. ALEXANDER KONOFF, New York, N. Y., assignor to Overland Metal Novelty Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 26, 1925. Serial No. 18,627. 14 Claims. (Cl. 46—40.)



1. An eye structure comprising a semi-spherical eye shell and an attaching member by which to connect said shell with the usual supporting rod, and said attaching member comprising one portion adjustably connected with the eye shell, another portion providing a sleeve to frictionally telescope over the supporting rod, and a bendable portion connecting the first two portions together.

1,580,052. CASE STRUCTURE. STANLEY A. KOZIELSKI, Cleveland, and FRANCIS J. BOOTH, South Euclid, Ohio. Filed Oct. 8, 1924. Serial No. 742,431. 2 Claims. (Cl. 211—25.)

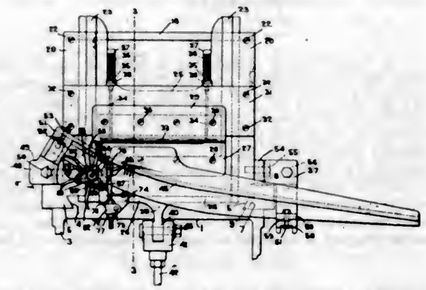


1. A case comprising, individual wall and top and bottom plates, a frame composed of parallelly disposed pairs of inner and outer finishing strips of L-shaped cross-section, each of the outer finishing strips having a notch near each end thereof, a corner plate on the inside of each adjoining corner of said finishing strips and having rabbeted out outer faces engaging three adjoining ends of said inside finishing strips, a corner cap on the outside of each of said corners opposite said corner plates, each of the said caps having an inwardly extending projection on each of the three faces thereof to engage said notches, and a bolt passing through each of said oppositely disposed plates and caps for drawing said plates and caps toward each other and thereby dispose said projections in said notches and hold said strips in relation to each other to complete said frame and clamp the first mentioned plates between said strips.

1,580,053. ORTHOBENZYLPHENOL AND PROCESS OF PREPARING THE SAME. WALTHER KROPP and WILHELM SCHRANZ, Elberfeld, and WERNER SCHULEMANN, Vohwinkel, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Feb. 1, 1924. Serial No. 690,073. 1 Claim. (Cl. 260—154.)

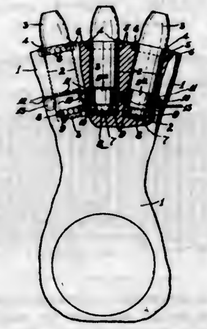
The herein described process for producing orthobenzylphenol, which process consists in firstly treating phenol with benzylhalide, secondly treating the resulting mixture comprising ortho and para-benzylphenol with a solution of barium hydroxide, thirdly heating this mixture, filtering the cooled liquid and finally separating the ortho-benzylphenol from the filtrate by acidulation, substantially as described.

1,580,054. MACHINE FOR ASSEMBLING MARKING TAGS IN SUPERIMPOSED RELATION. FREDERICK W. LAENCHER, Brooklyn, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Jan. 18, 1923. Serial No. 613,503. 13 Claims. (Cl. 164—42.)



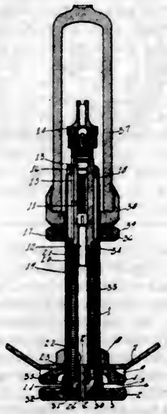
1. A machine for cutting from a strip and assembling a series of marking tags provided with attaching means projecting from one face of the tag comprising means for feeding the tag strip, means for severing the tags successively therefrom, supporting means to receive the tag and means operable in synchronism with the cutting means for so depositing the tags thereupon as to insure continuous superimposed relation of the tags with the attaching devices of each tag lying back of the edge of the tag next beneath it.

1,580,055. WORM WHEEL. JAMES LAX, Johannesburg, Transvaal, South Africa, assignor of one-half to James Henry Stuthridge, Johannesburg, South Africa. Filed May 17, 1923. Serial No. 639,596. 3 Claims. (Cl. 74—41.)



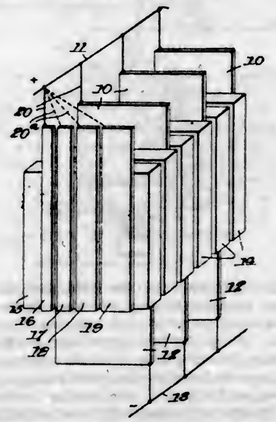
1. A worm-wheel or the like, comprising a centre portion, a plurality of rotatable teeth disposed around the periphery of said centre portion, said teeth being in the form of radially disposed pins partially housed in holes formed around the periphery and said teeth being adapted to rotate independently, anti-friction bearings for each tooth positioned intermediate the tooth and its housing in the centre portion, and adjustable means in the form of a locking pin arranged transversely of the pin for retaining the pin in its housing in the centre portion, as set forth.

1,580,056. TIRE-STEM PRESSURE GAUGE. HAROLD J. LE VESCONTE, Charleston, W. Va., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Oct. 9, 1922. Serial No. 593,196. 2 Claims. (Cl. 152—11.5.)



1. In a tire stem pressure gauge, the combination of a head having an outwardly opening screw-threaded socket; a sleeve screwed into the socket; a plunger in the sleeve; an expansible tube secured to the plunger; and an anchor plate to which the tube is secured secured in the socket by the sleeve, said plate being locked against rotation relatively to the sleeve.

1,580,057. ELECTRICAL CONDENSER AND METHOD OF MAKING AND ADJUSTING THE SAME. GEORGE H. LEWIS, Elizabeth, N. J. Filed Apr. 12, 1922. Serial No. 551,826. 8 Claims. (Cl. 250—41.)



1. The method of making a condenser having a desired capacity value within prescribed limits of error, which comprises assembling together in cooperative relation in a single condenser unit conducting and dielectric con-

denser elements sufficient in numbers and capacities to provide a condenser of approximately the desired capacity and assembling to form a part of said single unit and in cooperative relation with a dielectric condenser element a plurality of supplemental condenser elements of such capacities that the connection or disconnection of any one of said supplemental conducting elements in the condenser circuit will produce a change in capacity of the condenser less than the permissible error.

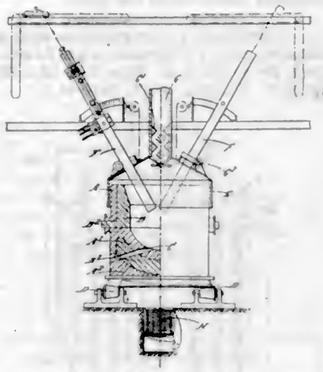
1,580,058. METHOD FOR THE TRANSFORMATION OF CRUDE PEAT INTO A COALLIKE SUBSTANCE. OSKAR LINKER, Leipzig-Gohlis, Germany. Filed July 23, 1925. Serial No. 45,708. 1 Claim. (Cl. 44—27.)

That process of treating peat which consists in finely disintegrating a peat mass in the presence of added water having a salt content such as ferrous-sulphate to assist filtration, conveying the mixture to a series of filtering cells for preliminary filtration, conveying the filtered mass progressively through other filtering cells to a final series of such cells, permitting the mass to remain in the final series of cells until it becomes sufficiently hard for handling, removing the filtered material from the last mentioned cells into a space saturated with steam, and subjecting the removed material to the action of such steam in a chamber substantially free from uncombined oxygen.

1,580,059. MANUFACTURE OF 1-PHENYL-2.3-DIMETHYL - 4 - DIMETHYLAMINO - 5 - PYRAZOLON. GEORG LOCKEMANN, Berlin, Germany. Filed Mar. 31, 1924. Serial No. 703,289. 8 Claims. (Cl. 260—45.)

3. The process of making 1-phenyl-2.3-dimethyl-4-dimethylamino-5-pyrazolon which consists in causing zinc powder in an acid medium to react on 1-phenyl-2.3-dimethyl-4-nitroso-5-pyrazolon in presence of formaldehyde, then rendering the solution alikaline and separating the 1-phenyl-2.3-dimethyl-4-dimethylamino-5-pyrazolon formed.

1,580,060. ELECTRIC FURNACE AND THE LIKE. WILLIAM ALEXANDER LOKE, Lambeth, England. Filed June 2, 1925. Serial No. 34,385. 1 Claim. (Cl. 204—64.)



In a device of the class described, the combination of a revoluble furnace having portions thereof composed of heat resisting material and a lining of reducing material, said lining having outwardly projecting extensions, means for attaching electric conductors to said extensions, means for revolving said furnace, a stationary cover fitting said furnace and having inclined openings in the top thereof and a delivery tube projecting centrally therefrom, means in said cover for feeding material in a finely divided condition to the furnace, electrodes extending through said openings and positioned so that the arcs are disposed eccentrically relative to the vertical axis of the furnace, and an electro-magnet associated with the furnace whereby the heating arcs are drawn down on the surface of the molten material constituting the bath and produce relative movement between the bath and the arcs so that the eccentrically disposed arcs are caused to sweep over a considerable area of the bath while the molten material is brought into contact with the reducing agent and simultaneously concentrated to effect a more uniform distribution of heat over the surface of the bath.

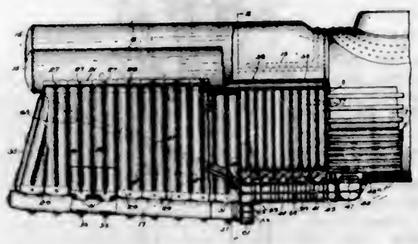
1,580,061. DISPLAY RACK. JOHN C. LUND, Astoria, N. Y. Filed May 5, 1924. Serial No. 711,233. 3 Claims. (Cl. 211—14.)

1. A display rack comprising a pair of spaced supports having horizontal and vertical portions, members pivotally mounted on the underside of said supports for holding the same in a set-up position, the said members adapted to be moved parallel with the underface of said supports when not in use, a plurality of slats connected together by flexible cables passing through openings adjacent the ends of the slats, said slats being received in the horizontal and vertical portions of said supports, and contractile springs connecting the ends of the cables for setting up a tension on opposite ends of the cables.

1,580,062. PROCESS OF MANUFACTURING VAT COLORING MATTERS. ARTHUR LÜTTRINGHAUS, Mannheim, HEINRICH NERESHEIMER, Ludwigshafen-on-the-Rhine, and HANS EMMER, Mannheim, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Nov. 11, 1924. Serial No. 749,318. 5 Claims. (Cl. 260—61.)

1. The process of making a vat coloring matter which consists in acting on benzanthrone with alkali metal alcoholate at such high temperatures that the benzanthrone is substantially completely converted into dyestuff.

1,580,063. BOILER. JAMES M. MCCLELLON, Everett, Mass.; Harold B. McClellon administrator of said James M. McClellon, deceased. Filed June 3, 1916, Serial No. 101,610. Renewed Aug. 26, 1925. 7 Claims. (Cl. 122—94.)

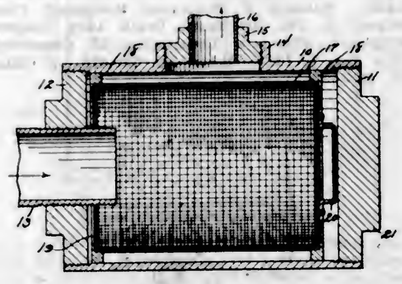


1. In a boiler, a chamber, a tubular water containing wall comprising tubes set side by side said wall extending longitudinally of the chamber and means for placing said tubes in communication with the interior of said chamber comprising headers each communicating with said chamber and with a group of said tubes.

1,580,064. METHOD OF WRAPPING AND SEALING BREAD. ARTHUR W. MARTIN, Lenapah, Okla. Filed Jan. 28, 1924. Serial No. 689,101. 1 Claim. (Cl. 99—8.)

The method of wrapping and sealing a loaf of bread which comprises disposing the loaf in inverted position upon a wrapper sheet impregnated with a substance which will become plastic under elevated temperature conditions, overlapping the opposite marginal portions of the sheet along the bottom of the loaf, folding in the projecting ends of the wrapper to provide substantially triangular closure flap portions and overlapping portions at the ends of the loaf, snugly fitting the wrapped loaf in a baking pan, in upright position, with the walls of the pan snugly engaging the sides and ends of the wrapped loaf and with the bottom of the wrapped loaf engaging the bottom of the pan, and subjecting the assemblage to heat whereby to effect the sealing of the wrapper through the medium of the impregnating substance.

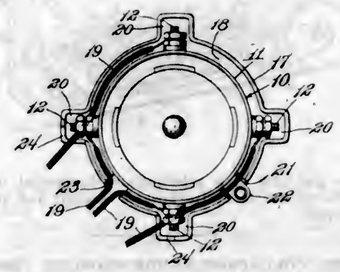
1,580,065. STRAINER. LEROY MERRIMAN, Casper, Wyo. Filed Aug. 3, 1925. Serial No. 47,904. 1 Claim. (Cl. 210—164.)



A device of the character described, comprising a cylindrical casing open at both ends, and provided with a lateral outlet intermediate its ends, and interiorly threaded adjacent said ends, discs threaded into said casing and closing said ends, one of said discs having an enlarged central opening interiorly threaded, a removable strainer of cylindrical contour and closed ends arranged within the casing and having an enlarged central opening in one end thereof, registering with the opening in the adjacent disc adapted to receive an inlet pipe, rings of substantially L-shaped formation in cross section at the opposed ends of said strainer and employed to space the latter from the walls of said casing, the L-shaped portion fitting against the end wall and peripheral wall of the strainer, and a handle carried by one end of said strainer.

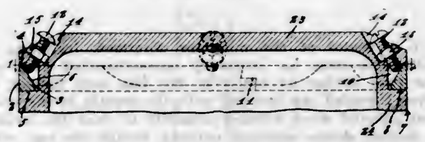
1,580,066. TIMER COVER. FREDERICK M. MILLER, Cambray, N. Mex. Filed Mar. 3, 1925. Serial No. 12,937. 1 Claim. (Cl. 200—19.)

In combination with a timer including a circular body having radially projecting binding posts for the reception of lead wires, a conical cap portion having a dent for the reception of a lug upon a retaining bracket arm and an arm secured to the circular body whereby it may be rotatably shifted, of a cap therefor and applicable to the timer by a straight line movement axial to the timer, said cap having a circular body portion of slightly greater internal diameter than the external diameter portion of the timer and provided in its inner face with coves for the reception of the binding posts of the timer and a conical cap fitting and seating upon the conical portion of the timer and having a dent for the reception



of the lug of said bracket arm, the circular body portion being provided in one side thereof with a slot for the passage of the lead wires, the coves at opposite sides of said slot having the walls thereof next adjacent the slot provided with slots for the passage of lead wires, said circular body portion of the cap having a notch for the passage of said arm of the timer, said arm during rotating movements of the timer engaging one wall or the other of the notch to thereby cause said cap to move with the timer in its rotating movements.

1,580,067. PISTON RING. HARRY MILLER, St. Louis, Mo. Filed July 11, 1923. Serial No. 650,924. 3 Claims. (Cl. 74—109.)

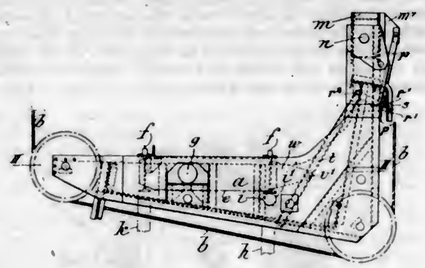


1. In a device of the class described, a piston, a ring thereabout, and members for expanding the ring, said members being mounted in the piston at an angle to the axis of the piston and being accessible from that end of the piston which receives the compression, the ring having an inclined surface, and the disposition of said members at an angle to the axis of the piston permitting said members to engage the inclined surface of the ring at such an angle that said members expand the ring by thrust, rather than by wedging action.

1,580,068. APPARATUS FOR TIPPING RAILWAY WAGONS. FREDERICK GILBERT MITCHELL, Hyde Park, London, England. Filed Dec. 8. 1922. Serial No. 605,683. 10 Claims. (Cl. 214—52.)

1. Wagon tipping apparatus of the kind herein referred to, comprising a carrier capable of partial rotation about a horizontal axis, a longitudinal lateral wagon support carried by said carrier and capable of tilting about a horizontal axis, a wagon platform mounted in the lower portion of said carrier to turn about a horizontal axis so located that the platform automatically tends to turn in a direction to bring a wagon thereon towards and

against said tiltable wagon support, and abutment means located below the side of said platform that would descend by gravity if free to do so and adapted to main-



tain the platform in a substantially horizontal position when the carrier is in its lowered normal and inoperative position.

1,580,069. COLLAPSIBLE-TUBE CLOSURE. HENRY L. MOREAU, Lake Mahopac, N. Y. Filed Nov. 6, 1925. Serial No. 67,365. 2 Claims. (Cl. 221—60.)

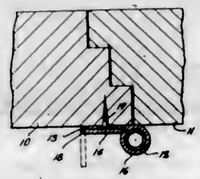
1. A device of the character described, including a collapsible tube, an externally screw-threaded neck on the tube having an outlet in the side wall thereof, a screw-threaded cap meshing with the threads of the neck and adapted when screwed inwardly to close the outlet, a flexible device enclosed entirely within the cap connected at its respective ends to the cap and the neck to limit the outward movement of the cap, said neck having a pocket in its outer end, and an enlargement on said flexible device located in said pocket, the extremity of the neck having an opening therein for the movement of the flexible device, and said pocket adapted to accommodate the flexible device therein when the cover is screwed to its closing position.

1,580,070. GUMMING APPARATUS. OTTO MÜLLER, Breslau, Germany, assignor to Hans Hauser, Jagerndorf, Czechoslovakia. Filed Dec. 29, 1924. Serial No. 758,721. 1 Claim. (Cl. 91—67.4.)

A gumming apparatus comprising in combination a reservoir for the adhesive substance, a stopper closing said reservoir and having a central bore, and a distributing device mounted on said reservoir comprising a cap fitting on the open end of said reservoir, a narrow front end of said cap, a tube open at the front end and having a central hole in its bottom plate centrally mounted in said cap and inserted in the central bore of said reservoir, a tubular piston movably mounted on said tube so that it projects from the front end of said cap and having outflow holes at its front end, a rubber pad on the front end of said piston for spreading on a surface to be gummed the adhesive substance which flows out from said piston, a spiral spring in said tube for maintaining said piston in the normal forward position,

a second spiral spring attached at the front end to said piston, and a valve fixed on the rear end of said second mentioned spiral spring and designed to close the central hole in the bottom plate of said tube when said piston is being pressed in.

1,580,071. WEATHER STRIP FOR CLOSED AUTOMOBILES. WILLIAM W. NARAMORE, Bridgeport, Conn., assignor to the Bridgeport Coach Lace Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 7, 1924. Serial No. 730,619. 5 Claims. (Cl. 20—69.)

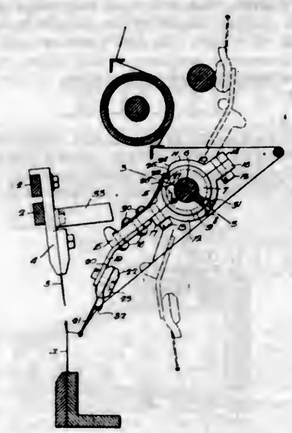


1. A weather strip comprising a woven fabric seamless tube, a flexible filling element in said tube, a selvage strip woven in one piece with the tube adapted for securing the strip to a support, and a finishing strip woven in one piece with the selvage strip and adapted to be folded over the selvage strip.

1,580,072. STRIPING-FINGER CONSTRUCTION FOR KNITTING MACHINES. KARL NEBEL, Philadelphia, Pa., assignor to Merrill Hosiery Company, Hornell, N. Y., a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,143. 3 Claims. (Cl. 66—135.)

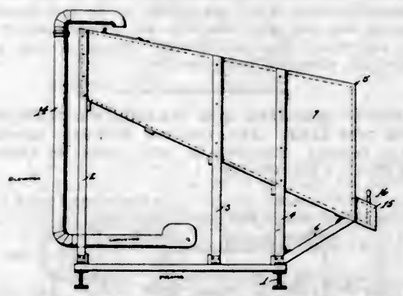
1. The combination in a thread carrier, of an operating shaft; a fixed member on said shaft; a movable member on said fixed member; knitting needles; thread guiding fingers on said movable members for placing threads around said needles; narrowing bars, narrowing

points on said narrowing bars, for cooperative association with said needles; means operable by the narrowing bars for moving the thread guiding fingers to an inoperative



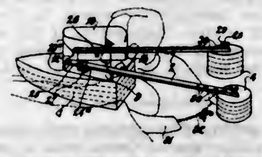
position when said narrowing points are cooperating with the needles; and means for retaining said fingers in either of their positions.

1,580,073. GRAIN HOPPER. WALTER O. NOTHNAGEL, McCook, Nebr. Filed Sept. 9, 1922. Serial No. 587,074. 4 Claims. (Cl. 214—65.)



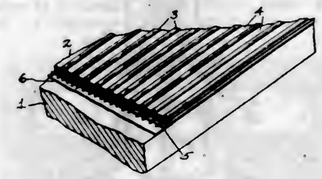
1. A device of the character described comprising a hopper including a pair of parallel trapezoidal sides, a bottom of substantially angular inclination, a top, closed ends, a valve mounted at the lowermost portion of the bottom, an opening formed in the top, a door adapted to cover the said opening, and a supporting frame secured to the said hopper for mounting the same upon a harvester or the like.

1,580,074. APPLIANCE FOR USE IN IMPARTING INSTRUCTION IN OR PRACTICING SWIMMING. HAROLD OLSSON, Bath, England. Filed Apr. 29, 1924. Serial No. 709,858. 10 Claims. (Cl. 9—21.)



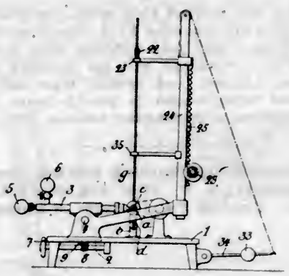
10. For use in imparting instruction in or practicing swimming, a buoyant structure comprising a main float member, a supporting means for the chin of a pupil or swimmer adjustably mounted on the upper surface thereof, projections on the upper surface of said supporting means, and a screen or partition adjustably fitted intermediate the forward ends of said projections.

1,580,075. AUTOMOBILE RUNNING BOARD. ENOCH E. PAINE, Cleveland, Ohio, assignor to The Paine & Williams Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,071. 2 Claims. (Cl. 20—79.)



2. In an automobile running board, or like tread, the combination with a supporting base, of a thin, wholly flexible, molded rubber mat applied to the tread surface of such base, the upper side of said mat being corrugated transversely of the direction in which it will be crossed when trod upon, said corugations presenting rounded ribs spaced from each other a distance greater than the maximum width of an individual rib and forming sharply defined corners along the lines of their juncture with the flat surface of the sheet, each rib being of uniform height and curvature throughout its length, a sheet of burlap partially embedded in the under side of said mat, and a layer of cementing material interposed between said base and mat and adapted to make a firm bond with the material of said base and said burlap.

1,580,076. MACHINE FOR BEAD MANUFACTURE. JEAN PAISSEAU, Courbevoie, France. Filed May 13, 1924. Serial No. 712,964. 7 Claims. (Cl. 49—14.)

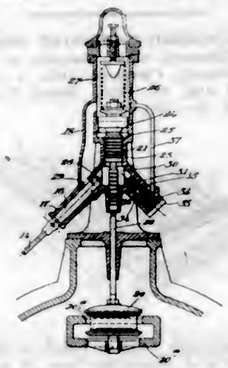


1. A machine for the manufacture of beads, comprising at least one or more rigid spindles, a support wherein the said spindle is revolnble, means for rotating the said spindle, at least one end of the said spindle extending outwardly of the said support, and ejecting means whereby the beads, which are formed on the end of the said spindle are ejected therefrom.

1,580,077. OPERATION OF VALVES BY FLUID PRESSURE. HENRY PILLING, Chorlton-cum-Hardy, England. Original application filed Sept. 8, 1920, Serial No. 409,001. Divided and this application filed Jan. 24, 1922. Serial No. 531,387. 5 Claims. (Cl. 121—149.)

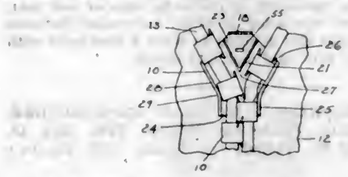
1. In a valve operating mechanism for an engine, a liquid-containing casing; a cylinder within and integral with said casing; a piston in said cylinder; a piston rod; a valve secured to said piston rod; a barrel integral

with said casing; a plunger reciprocating in said barrel, said plunger alternately forcing liquid into said cylinder from said casing to actuate said piston to open said



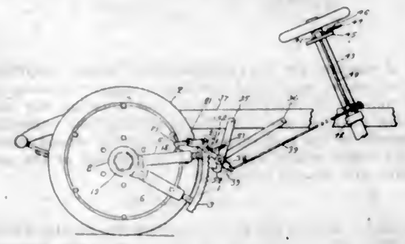
valve, an extension formed on said casing; a spring in said extension operating to close said valve; means to reciprocate said plunger; and means to vary the stroke of said plunger.

1,580,078. INTERLOCKING FASTENER. GEORGE EDWARD PRENTICE, Berlin, Conn. Filed Apr. 20, 1925. Serial No. 24,472. 4 Claims. (Cl. 24—205.)



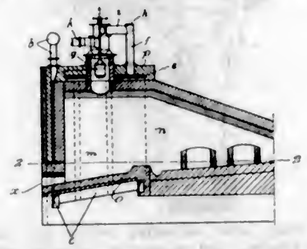
4. A fastener unit made of sheet metal, comprising two spaced arms that are connected by a yoke structure, the two edge portions of said yoke structure being swaged to provide hook-like projections and the portions of said yoke structure adjacent and inward from said hook-like projections being swaged to provide seats for the hook-like projections of cooperating fastener units.

1,580,079. SAFETY AUTOMOBILE BRAKE. JOSEPH J. ROGACH, Brooklyn, N. Y. Filed Aug. 21, 1924. Serial No. 733,343. Renewed Feb. 13, 1926. 6 Claims. (Cl. 188—4.)



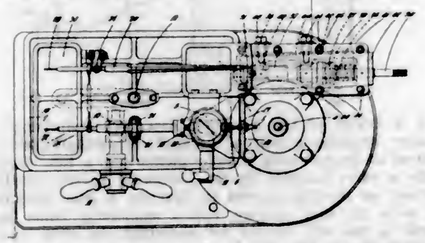
1. In a safety automobile brake, the combination with a brake plate, a bracket supporting said brake plate, yielding connections between said plate and said bracket means to rotatively support said bracket on the hub of a vehicle wheel, said brake plate being adapted to be wedged between the periphery of the vehicle wheel and the road surface, when said brake is in an operating position, means to hold said brake in this operating position, means to lock said brake plate against the periphery of said wheel, means to release said brake from said operating position, means to hold said brake plate in an inoperative position, means to release said locking means, and means to control changes between said operating and said inoperative positions of said brake, said controlling means being located within reach of the driver of said vehicle.

1,580,080. FURNACE FIRED WITH COAL DUST AND LIKE PULVERULENT FUEL. ERICH VOGT and LUDWIG KIRCHHOF, Bergisch-Gladbach, Germany. Filed Jan. 26, 1926. Serial No. 83,933. 1 Claim. (Cl. 263—43.)



A furnace of the type described, embodying a vertical combustion chamber and a space to be heated completely open to the said combustion chamber, means for introducing pulverized fuel into the top of said combustion chamber, means for a primary supply of air into the furnace with the descending fuel, and means for a secondary supply of air, pre-heated, in the said chamber through the fuel inlet and with the primary supply of air, and means for regulating the supply of such pre-heated air, substantially as described.

1,580,081. MACHINE FOR MEASURING, GAUGING, OR THE LIKE. AXEL CHARLES WICKMAN, Leamington, England. Filed July 30, 1921. Serial No. 488,584. 6 Claims. (Cl. 33—174.)

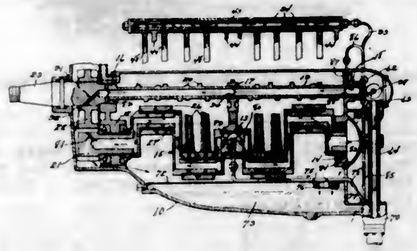


1. In a gauging or testing machine, the combination of a stylus for bearing on the work, a resilient member by which the said stylus is carried so as to be displaceable against resilience in a direction substantially normal to the work and also in a direction angularly transverse to the aforesaid direction, a gauge controlled by the said stylus to indicate variation in the position of the stylus in a direction substantially normal to the work and independently of any displacement of the stylus in an angularly transverse direction, and means enabling the surface of the work to be passed in contact with the stylus.

1,580,082. MOTOR FOR AIRCRAFTS. DIMAS YBARRA, Zurita, Panuco, Mexico. Filed Feb. 4, 1925. Serial No. 6,823. 2 Claims. (Cl. 123—90.)

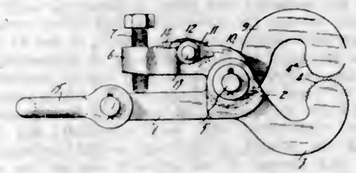
1. In an internal combustion engine, a crank case, a crank shaft journaled within the crank case and formed hollow, a cam shaft driven by the crank shaft, blocks

mounted on the crank case and provided with a plurality of cylinders, pistons operating within the cylinders and connected with the crank shaft, valves for the cylinders, hollow supporting shafts, rocker arms mounted on said last named shaft for operating the valves, push rods actuated by the cam shaft and operating said rocker



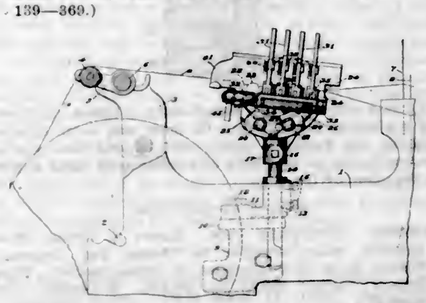
arms, said push rods being hollow, an oil pump for supplying oil to all of said shafts, said stationary shafts being provided with openings and the rocker arms having passages therein receiving oil from said openings and conducting the same into the hollow push rods, and a horizontal partition in the lower portion of the crank case defining a sump leading to the oil pump.

1,580,083. CRAMP. SIDNEY CHARLES BOADLE, Kensington, Victoria, Australia. Filed Sept. 12, 1925. Serial No. 55,914. 4 Claims. (Cl. 294—104.)



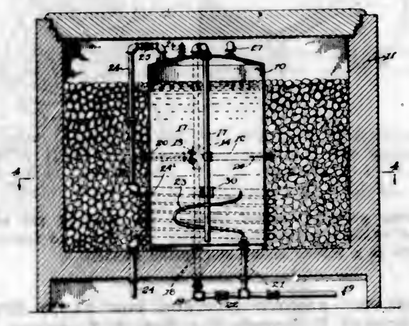
1. A cramp comprising a member having an integral gripping jaw and a fork in which bearings are provided for a pin upon which is mounted a bifurcated lever and a loose gripping jaw with teeth, and means for controlling the movement and placing the grip on such jaws.

1,580,084. WARP STOP MECHANISM FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 3, 1925. Serial No. 72,966. 9 Claims. (Cl. 139—369.)



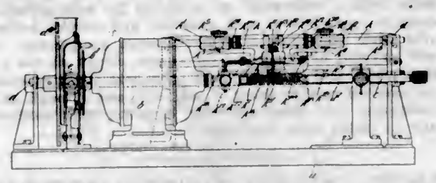
1. In a warp stop mechanism for looms, the combination of a whip roll and shedding mechanism, a side frame at each side of the loom between the whip roll and shedding mechanism, warp supports extending between the side frames, a series of drop wires and a drop wire detector supported by the side frames, a stop finger and tranamitter carried by a side frame, a support for each of the side frames, said side frames and supports having interengaging arc guides, and means for securing the side frames in different angular adjustments to accord with the plane of the warp threads extending between the whip roll and shedding mechanism.

1,580,085. CARBONATING APPARATUS. ARTHUR M. HORN and WILLIAM T. FARROW, El Paso, Tex., assignors to Farrow Fountain Company, El Paso, Tex., a Corporation of Delaware. Filed Dec. 8, 1925. Serial No. 74,149. 7 Claims. (Cl. 225—21.)



1. The combination with a carbonating tank; of a draw-off pipe leading therefrom, means to supply the tank with gas under pressure, and a gas distributive means located in the draw-off pipe for introducing the gas into the outflowing liquid at a plurality of points.

1,580,086. TRAVERSER MECHANISM FOR COIL-WINDING MACHINES. DONALD MACADIE, London, England, assignor to The Automatic Coil Winder & Electrical Equipment Company Limited, London, England, a British Company. Original application filed Jan. 16, 1923, Serial No. 613,019. Divided and this application filed Oct. 22, 1925. Serial No. 64,142. 5 Claims. (Cl. 242—9.)

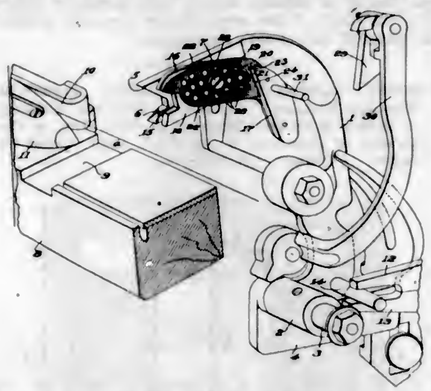


1. In a coil winding machine, a guide rod, adjustable sliding stops on said guide rod, projecting arms on said sliding stops having downwardly directed extremities adapted to be set in close engagement with the inner faces of the cheeks of the bobbin to be wound, traverser mechanism and means in operative engagement with said traverser mechanism adapted to engage the said sliding stops to reverse the said traverser mechanism.

1,580,087. SHUTTLE-FEELER THREAD CUTTER AND CLAMP. ELIAS S. MOORE, Lynchburg, Va., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 3, 1925. Serial No. 72,891. 10 Claims. (Cl. 139—264.)

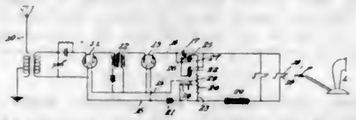
1. A double grip shuttle feeler thread cutter, comprising in combination, a shuttle feeler having a stud, a fixed and a movable thread cutter mounted thereon, a

thread clamp cooperating with the movable thread cutter to clamp the thread, a movable thread clamp movable with the movable thread cutter and constituted as a



spring plate interposed between the head of the stud and adjacent parts of the parter and clamp to function both as a thread clamp and spring washer.

1,580,088. REMOTE CONTROL FOR RADIO SETS. RUDOLPH M. SANDERS, New York, N. Y., assignor to Edward R. Tolfree, New York, N. Y. Filed Sept. 2, 1925. Serial No. 53,970. 8 Claims. (Cl. 250—27.)



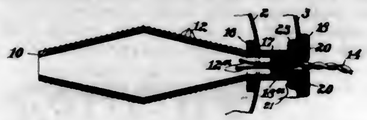
1. In a remote control system, for a radio receiving set including an electron discharge tube, means to excite the cathode of said tube, and means to produce a current in said tube, and a pair of conductors leading to a remote point connected to the output of said tube, a blocking condenser in said conductors, a solenoid connected in shunt of said condenser and the tube, and in series with a resistance, an armature for said solenoid, contacts controlled by said armature and circuits associated with said contacts, whereby upon energization of said solenoid by closure of the output circuit at the remote point said armature will open said circuit including said solenoid in shunt of said tube and through said resistance, and close a circuit including said solenoid and in series with said tube.

1,580,089. PROCESS OF VULCANIZING CAOUTCHOUC AND PRODUCT OBTAINED THEREBY. DEXTER N. SHAW, Philadelphia, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 18, 1924. Serial No. 750,672. 9 Claims. (Cl. 18—53.)

1. A method of vulcanizing caoutchouc that comprises admixing caoutchouc with a vulcanizing agent, incorporating a nitrosocarbazole therein, mixing an activator therewith and applying heat.

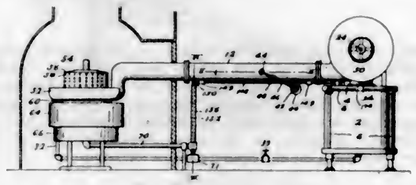
1,580,090. ELECTRIC HEATER. MILTON H. SHOMBERG, San Francisco, Calif., assignor, by mesne assignments, to Majestic Electric Appliance Company, Inc., San Francisco, Calif., a Corporation of California. Filed Feb. 15, 1919. Serial No. 277,322. 1 Claim. (Cl. 219—34.)

An electric heating unit for concave reflectors, comprising a hollow refractory core having oppositely tapering thin walls of double conical shape with abutting bases, the inner end of the core having an extension



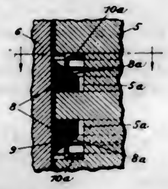
forming a support and provided with a fastening means, and a resistance wire wound about said core.

1,580,091. OIL-BURNING APPARATUS. FRANK H. STANARD and MAURICE L. STANARD, Kansas City, Mo. Filed June 9, 1922. Serial No. 567,144. 3 Claims. (Cl. 158—28.)



1. In an apparatus of the character described a fuel oil container, a pump for lifting the oil from said container, a burner to which the oil is supplied, an electric motor for operating said pump, a circuit for said motor, a circuit breaker for interrupting said motor circuit, an overflow pipe leading from the burner, a cup to receive and be depressed by the overflow of oil discharged from said pipe, a rod from which said cup is suspended, a crank to which the upper end of said rod is connected, a rock-shaft upon which said crank is fixedly mounted, another crank fixed upon said rock-shaft, and a connecting rod pivoted at one end to the last-mentioned crank and pivoted at its opposite end to the circuit breaker to open the same when the cup is depressed.

1,580,092. PISTON RING. HENRY W. STUVER, Denver, Colo. Filed May 29, 1923. Serial No. 642,166. 5 Claims. (Cl. 74—109.)



1. As a new article of manufacture, a piston ring having a slanting face between its inner and outer circumferences and having a spring seat in said face, and a sinuous spring in said seat at substantially right angles to the plane of the ring.

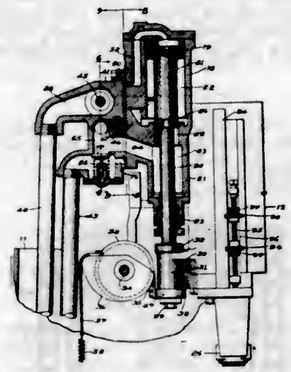
1,580,093. FOUNTAIN PEN. HENRY J. UPTON, West Medford, Mass., assignor to Chilton Pen Company, Boston, Mass., a Corporation of Massachusetts. Filed June 11, 1925. Serial No. 36,314. 6 Claims. (Cl. 120—47.)

1. A fountain pen comprising a pen section having a resilient ink sack connected to its inner end, a tube enclosing said sack and having an air tight connection with said pen section at one end, the opposite end of said tube being open, a barrel section mounted on said tube and having an air tight slidable connection therewith,

the end of said barrel section opposite the pen section being normally open and adapted to be closed to confine the air therein, and a cap adapted to enclose the pen

section and the adjacent end portion of the barrel, said cap and the enclosed end portion of the barrel having inter-engaging means for attaching one to the other.

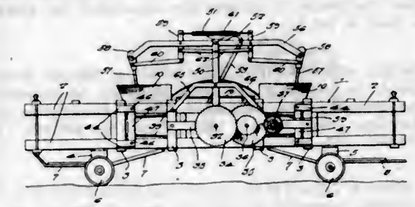
1,580,094. TOOL-OPERATING MACHINE. ALPHONZO WHITE, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed June 20, 1923. Serial No. 646,561. 17 Claims. (Cl. 121—45.)



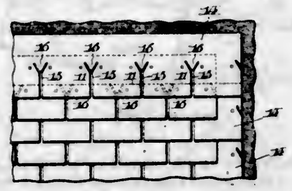
6. In a machine of the class described, a supporting frame, a sliding head upon the frame, hydraulic means for imparting reciprocatory movement to the head including a vertically disposed cylinder containing a piston, a piston shaft secured to the piston and operatively connected to said head, a main valve for controlling the pressure upon the opposite sides of the piston, a low pressure chamber for receiving the exhaust fluid from said cylinder and having a relief valve for maintaining a predetermined pressure therein, means for subjecting the main valve to the action of the fluid in the low pressure chamber to actuate it and including an auxiliary valve for controlling the action of the fluid on the main valve, and a port formed in the piston shaft for the passage of fluid from the cylinder to the low pressure chamber and opened by the movement of the piston to the upper end of its stroke to supply a continuous flow of fluid to the low pressure chamber as long as the cylinder is arrested at the upper end of its stroke.

1,580,095. HAY PRESS. ROBERT T. WRIGHT, Independence, Kans. Filed Sept. 14, 1925. Serial No. 56,306. 5 Claims. (Cl. 100—25.)

1. A hay press comprising a frame structure provided with a pair of baling chambers, a pair of plungers operating in axial alinement in said baling chambers, and operating mechanism between said plungers including bracket members mounted on said plungers, a shaft rotatable in said frame work between said plungers, an eccentric mounted on said shaft and connecting rod mechanisms mounted on and operable by said eccentric having adjustable connection with the bracket members on said plungers, and operating means for rotating said shaft.

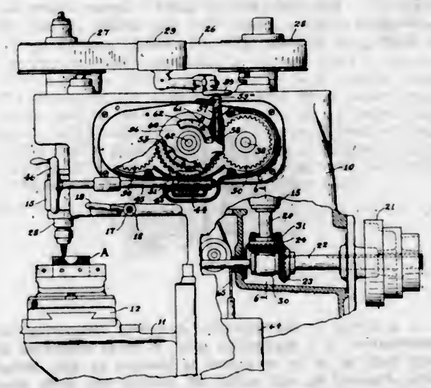


1,580,096. ROOF COVERING. FRANK J. BALLINTINE, Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Apr. 6, 1922. Serial No. 550,194. 5 Claims. (Cl. 108—8.)



5. As a new article of manufacture, a strip of flexible weather-proof material having one longitudinal edge formed with transverse slots to define oblong shingle ends with the lower edges thereof under-folded to provide flanges, and the inner end of each said slot bifurcated to define a downwardly directed locking spur.

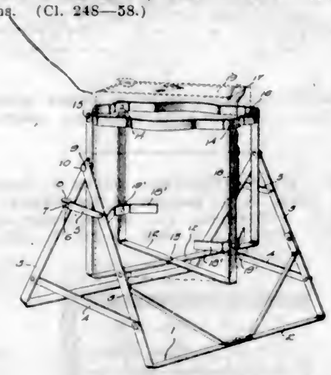
1,580,097. DIE-SINKING MACHINE. LOUIS G. BAYER, Buffalo, N. Y. Filed Oct. 28, 1922. Serial No. 597,614. 26 Claims. (Cl 90—14.)



1. A die sinking machine comprising in combination, a frame, a head mounted therein, a rotatable cutter carrying spindle mounted in said head, means for bodily moving said head in a closed path while the spindle is

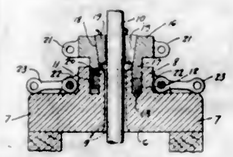
maintained always parallel in the plane of the closed path, means to vary the radius of movement of said head, said means to move said head and to vary its radius of movement being mounted upon one side of the head and frame, and means to indicate the adjustment for which the head is set.

1,580,098. TILTING FRAME. BRUNO A. BERGER, Richmond, Va., assignor to Berger Specialty Manufacturing Company, Inc., Richmond, Va., a Corporation of Virginia. Filed Mar. 8, 1924. Serial No. 697,880. 2 Claims. (Cl. 248—58.)



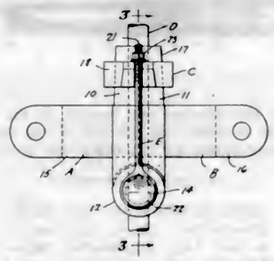
1. A support for liquid containers comprising a skeleton frame, a cage removably supported in said frame, said cage comprising an upper member adapted to surround a container arranged therein, a member depending therefrom and having a portion adapted to be arranged beneath the container, a second depending member removably secured to said upper member having a portion adapted to be arranged beneath the container and connected to the lower portion of said first member whereby said cage may be collapsed and the parts arranged in a single plane, and substantially V-shaped members secured to one of said depending members and adapted to engage the sides of the container.

1,580,099. RELEASABLE SPIDER. JOHN GRANT, Los Angeles, Calif. Filed Jan. 20, 1925. Serial No. 3,680. 16 Claims. (Cl. 24—263.)



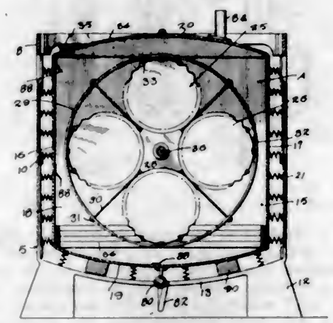
1. A device of the character described comprising the combination of a supporting body, a collar supported by said body so as to be raised or lowered at will, wedge slips disposed in said collar for holding the work upon being forced downwardly in said collar, and a normally stationary abutment on said body arranged to engage said slips upon lowering of said collar whereby to move said slips upwardly with respect to said collar and thereby release the work.

1,580,100. FRICTION-GRIP CLAMP. JOHN GRANT, Los Angeles, and STEWART L. CAMPBELL, Berkeley, Calif.; said Campbell assignor to said Grant. Filed Mar. 18, 1925. Serial No. 16,427. 3 Claims. (Cl. 294—113.)



1. A clamp comprising a longitudinally divided shell provided with a bore to grip the work and having a tapered ring receiving portion, said shell being provided with suspension tackle attachment means at the sides, and a locking ring for mounting on said tapered portion so that it can be wedged thereon.

1,580,101. DRY CLEANER. JOHN NEEDRE, Newport News, Va. Filed July 2, 1925. Serial No. 41,206. 3 Claims. (Cl. 8—8.)

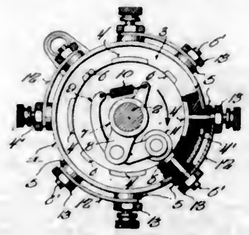


1. In a clothes cleaning apparatus, a support, a vat arranged in the support, means for resiliently supporting the vat within the support, a rotatable clothes receiving device arranged in the vat, means for rotating the clothes receiving device at a relatively low rate of speed from one end of the vat, means including a guide shaft arranged at the opposie end of the vat for rotating the garment receiving device at a relatively high rate of speed, and a universal joint connection between the said drive shaft and the garment receiving device.

1,580,102. TIMER. LUKE REUTER, Thiensville, Wis. Filed Mar. 21, 1922. Serial No. 545,598. 1 Claim. (Cl. 200—26.)

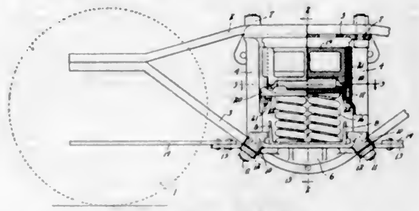
The combination of a conventional low voltage timer having a casing, an insulating ring therein, a plurality of studs projecting through such casing and ring and having contacts on their inner ends, and a rotor adapted to travel around said ring and over said contacts, and a plurality of auxiliary studs projecting through said casing

and ring and having contacts on their inner ends, an insulating bushing surrounding each of said studs and having an outer flange contacting with the outer face of the casing, and a plurality of connectors positioned



exteriorly of said casing, said connectors joining an auxiliary stud to the immediately adjacent stud of the first mentioned studs, said connectors being held out of contact with said casing with said bushing flanges.

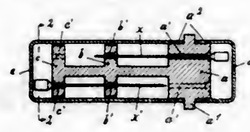
1,580,103. CAR TRUCK. EDWIN W. WEBB, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 31, 1923, Serial No. 671,908. Renewed Jan. 29, 1926. 19 Claims. (Cl. 105—186.)



1. A truck structure comprising a side frame having in combination, spaced bolster columns, a truck bolster having its end vertically movable between said columns, a spring cap plate also movable between said columns and vertically movable wear plates disposed between said bolster end and said columns, said wear plates embracing said columns and said cap plate embracing said wear plates, said bolster having stop projections at its outer end adapted to engage said wear plates.

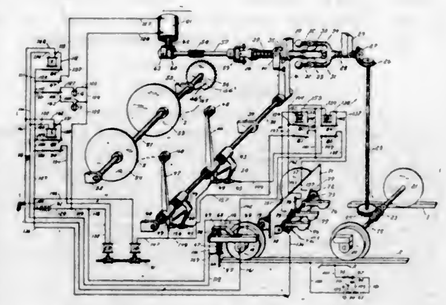
1,580,104. CONTAINER FOR STORING MEDICAL INJECTION NEEDLES. OTTO HASSELMANN, Wiesbaden, Germany. Filed Nov. 5, 1925. Serial No. 67,143. 1 Claim. (Cl. 206—43.)

A container for storing medical injection needles, comprising, in combination, an integral framing having two end rings and a middle guiding ring, and two closing caps screwed on one of said end rings from opposite sides thereby dividing the container into two separate compartments, said rings having longitudinal borings



with countersunk introduction ends therein of which those in one end ring are arranged in staggered position with reference to those in the other end ring, substantially as and for the purpose set forth.

1,580,105. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Apr. 1, 1916, Serial No. 88,364. Renewed May 2, 1921. Serial No. 466,216. 127 Claims. (Cl. 246—49.)



21. In an automatic train control system for railroads having a stretch of track which is divided into blocks of different lengths and in which there is a long block followed by one or more shorter blocks, the combination with an automatic speed control apparatus on a vehicle adapted to enforce gradually decreasing speed restrictions, of an impulse device at the entrance to each block responsive to traffic conditions in the next block in advance, means on the vehicle influenced by said impulse device for governing the operation of said speed control apparatus, and a similar impulse device at an intermediate point in the long block effective to cause operation of said speed control apparatus at such point and thereby compel the vehicle to reduce its speed to accord with the braking distance afforded by the succeeding short block.

Patents Nos. 1,580,106 to 1,581,095.

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Issue of April 13, 1926.

Trade-Marks	318—No.	211,368 to No.	211,685, inclusive.
T. M. Renewals	100		
Labels	26—No.	30,177 to No.	30,202, inclusive.
Prints	6—No.	8,693 to No.	8,698, inclusive.
Reissues	10—No.	16,316 to No.	16,325, inclusive.
Designs	62—No.	69,868 to No.	69,929, inclusive.
Patents	990—No.	1,580,106 to No.	1,581,095, inclusive.
Total	1,512		

ADJUDICATED PATENTS.

(C. C. A. N. Y.) The Judd patent, No. 1,139,685, for automobile throttle-valve controller, claim 3 *Held* valid and infringed. *Williams Bros. Aircraft Corporation* v. *Gould-Mersereau Co.*, 10 F. (2d) 44.

(C. C. A. N. Y.) The Lyon patent, No. 1,198,246, for a buffer for motor vehicles, claims 9, 14, and 18 *Held* infringed. *Lyon* v *Boh*, 10 F. (2d) 30.

(C. C. A. Calif.) The Greco patent, No. 1,235,680, for a device for preparing string beans for canning, claims 4 and 5 *Held* valid and infringed, but claims as to method *Held* invalid. *San Jose Canning Co.* v. *Oneal*, 10 F. (2d) 100.

(C. C. A. N. Y.) The Williams patent, No. 1,284,523, for accelerator attachment, claims 1 and 2 *Held* valid and infringed. *Williams Bros. Aircraft Corporation* v. *Gould-Mersereau Co.*, 10 F. (2d) 44.

(C. C. A. Mont.) The Greenawalt patent. No. 1,348,407, for apparatus for roasting ores, claims 17, 20, 21, 24, 25, 26, 47, 48, and 49 *Held* not infringed. *Greenawalt* v. *American Smelting & Refining Co.*, 10 F. (2d) 98.

(C. C. A. Ohio.) The Myers patent, No. 1,399,570, for frame structure for attachment with tractors, claims 12, 14, and 15 *Held* not infringed. *Myers* v. *Hadfield-Penfield Steel Co.*, 10 F. (2d) 56.

Interference Notice.

U. S. Patent Office, *Washington, Apr. 1, 1926.*

Spoehr's, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stephen F. Whitman & Son, Inc., Fourth, Race, and Lawrence Streets, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered December 6, 1921, No. 149,242, to Spoehr's, 179 North Michigan Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Spoehr's at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Spoehr's, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

The Official Gazette.

The Official Gazette is published every Tuesday simultaneously with the weekly issue of patents. From January 1, 1872, (the commencement of its publication,) to June 30, 1883, it was published and bound in semi-annual volumes; from July 1, 1883, to December 31, 1902, in quarterly volumes; from January 1, 1903, to December 31, 1908, in bimonthly volumes; since January 1, 1909, in monthly volumes. Terms: Annual subscriptions, $5; monthly, 50 cents. For postage upon foreign subscriptions, except those from Canada and Mexico, $3 or more, as required. Moneys received from foreign subscribers in excess of the subscription price of $5 will be deposited to the credit of the subscriber and applied to postage upon the subscription as incurred. Single copies, 10 cents; if mailed to foreign countries, excepting Canada and Mexico, 10 cents additional for postage. *Payment in advance required. No club rates. No discount to newsdealers. No sample copies.* All subscribers must commence with the beginning of a volume. None taken for less than an entire volume. All orders should be addressed to "The Superintendent of Documents, Government Printing Office, Washington, D. C."

Applicant's Address.

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Condition of Applications Under Examination at Close of Business April 2, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,830; Trade-Mark Division, 2,010. Oldest new case, Oct. 5, 1925; oldest amended, Oct. 5, 1925. The dates given are 1925 except where † indicates 1926.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	†Jan. 15	†Jan. 20	597
126	2. HADEN, C. F., Bee Culture, Dairy; Preserving; Presses; Tobacco	Dec. 14	Nov. 20	596
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Dec. 16	†Jan. 6	1,102
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	†Jan. 11	†Feb. 5	543
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Nov. 2	Nov. 3	908
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 19	Dec. 28	1,168
105	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	†Jan. 16	†Jan. 12	828
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	†Jan. 20	†Jan. 21	1,006
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 30	Nov. 11	563
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Dec. 21	†Jan. 6	951
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Jan. 19	†Jan. 15	721
380	12. PIERCE, P. P., Machine Elements	†Jan. 12	†Jan. 4	613
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	†Jan. 8	†Feb. 4	555
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Dec. 16	Dec. 24	914
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 18	†Jan. 21	598
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Dec. 22	Dec. 24	882
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 28	Dec. 17	406
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 3	Dec. 1	822
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 22	†Feb. 4	468
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	†Jan. 12	†Jan. 11	765
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Jan. 5	†Jan. 14	500
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	†Jan. 11	†Jan. 8	575
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Dec. 4	Dec. 15	259
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 8	†Jan. 25	481
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	†Jan. 5	†Jan. 8	825
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 5	Oct. 21	790
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Feb. 2	†Feb. 3	507
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 20	†Jan. 23	805
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 6	Oct. 5	1,122
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	†Jan. 12	†Jan. 18	777
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Feb. 2	†Feb. 2	795
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	†Jan. 2	†Jan. 5	595
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roots; Wooden Buildings.	†Jan. 25	†Feb. 5	739
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Oct. 22	Oct. 23	693
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 18	†Feb. 9	516
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Dec. 26	†Jan. 6	1,022
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Dec. 30	Dec. 31	938
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Dec. 3	Nov. 10	863
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 30	†Feb. 1	458
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	†Jan. 7	†Jan. 7	1,054
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 14	†Jan. 14	468
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Jan. 2	†Jan. 2	988
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Dec. 22	Dec. 22	792
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Oct. 15	Oct. 22	953
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	†Jan. 11	†Jan. 11	514
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Dec. 23	Dec 18	690
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 12	Dec. 24	1,067
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Oct. 28	Oct. 29	1,666
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	†Jan. 18	†Jan. 18	564
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Dec. 4	Dec. 7	1,261
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Nov. 27	Nov. 12	1,742
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 15	†Jan. 8	672
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Jan. 29	†Jan. 30	734
102	DESIGNS: C. O. MARKHAM (Acting)	†Mar 10	†Mar. 17	399
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. (Trade-Marks	†Feb. 6	†Mar. 13	1,861
	(Labels and Prints	†Mar. 6	†Mar. 19	149

* Refers to room numbers in the annex!

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE GENE-VALL CIGAR CO., INC.

Decided November 4, 1925.

1. TRADE-MARKS—ACT OF 1920—PRIOR USE OF MARK BY ANOTHER—CANCELLATION.

Where a mark has been registered under section 1 (*a*) of the act of 1920, registration will be refused on the same mark, under the act of 1905, to another who claims priority of use unless the matter is first tried out and the mark removed from the register by cancellation proceedings.

2. SAME—SAME—BUENOS AIRES CONVENTION, 1910.

The law of 1920 must be interpreted in a way to show good faith, in an endeavor to carry out as far as may be the Convention for the Protection of Trade-Marks and Commercial Names, made and signed at the city of Buenos Aires August 20, 1910.

3. SAME—SAME—PRIOR REGISTRATION BY ANOTHER UNDER ACT OF 1905.

The only way to try out the question of priority with respect to the act of 1920 is by cancellation proceedings under section 2, and where the mark has been registered under section 1 (*a*) on a certificate from the International Bureau at Habana, received in this Office November 2, 1922, and based on a registration in Cuba, January 10, 1921, an application for registration of a similar mark for the same goods, filed by another May 11, 1922, under the act of 1905, was refused unless and until such registration should be canceled from the register.

ON APPEAL.

Application for registration of trade-mark for cigars filed May 11, 1922, Serial No. 163,677.

Mr. Horace L. Woodward and *Mr. L. D. Underwood* for the applicant.

FENNING, *Assistant Commissioner:*

Applicant appeals from the action of the Examiner of Trade-Marks refusing to register "High Life" as a trade-mark for cigars. The application was filed May 11, 1922.

Registration is refused on Trade-Mark No. 162,181, registered December 5, 1922, to Inguanzo, on a certificate received in this Office November 2, 1922, from the International Bureau established at Habana under the Convention for the Protection of Trade-Marks and Commercial Names, made and signed at the city of Buenos Aires, in Argentina, August 20, 1910. The international registration is numbered 759, dated October 9, 1922, based on a registration in Cuba, which is the home of the registrant, granted January 10, 1921, under No. 36,965. In Cuba the application for the international registration of the mark was filed September 20, 1922, although the application for the original registration in Cuba was filed August 1, 1919.

This mark consists of pictorial matter associated with the words "High Life" and was registered here under section 1 (*a*) of the act of March 19, 1920. It is admitted that the marks are sufficiently similar to preclude registration of both, and the goods of both parties are the same. Obviously, confusion will occur if applicant and registrant are in the same field with their marks. Both can not be given governmental approval. Only one can be approved. Applicant, however, strenuously urges that registration may not be denied him in view of a mark registered under section 1 (*a*) of the act of March 19, 1920. Applicant, who asks registration under the act of 1905, relies upon section 5 of that act, which says that no mark may be refused registration because of the nature of the mark unless such mark comes within the inhibition set out by that section. The only inhibition in section 5 which is apparently applicable to the present case is:

That trade marks which are identical with a registered or known trade mark owned and in use by another and appropriated to merchandise of the same descriptive properties, or which so nearly resemble a registered or known trade mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered.

Applicant says that this inhibition does not apply to the present case, for the reason that a mark registered under the act of 1920, which, by its section 6, takes over certain sections of the act of 1905, omits to take over section 16 of the act of 1905 and has no equivalent for the first sentence thereof—namely:

That the registration of a trade mark under the provisions of this act shall be prima facie evidence of ownership.

From this applicant argues that registration under the act of 1920 does not give prima facie ownership to registrant, and consequently we have nothing here to show that such trade-mark is "owned" in the sense of the inhibition of section 5 quoted above. Moreover, applicant points out that there is nothing in section 1 (*a*) of the act of 1920 which limits registration to marks used, and that consequently there is nothing to show that the mark registered under the act of 1920 is in use within the terms of the inhibition of section 5 quoted above.

We may frankly grant all this and admit that on its face the act of 1905 does not specifically prohibit the registration of a mark which is already registered under the act of 1920 (indeed, since the act of 1920 was not in existence or contemplated when the act of 1905 was passed it is not surprising). Nevertheless, there is a broader ground of public policy which must be taken into consideration in connection with procedure under any statute. It has been held, for instance, that a mark which is used in an iniquitous or unlawful way—such as, for instance, in connection with false

advertising—may not be registered under the act of 1905, although no specific words to that effect appear in the act. *Peter Schoenhofen Co.* v. *Maltine Co.*, 134 O. G. 1805; 30 App. D. C. 340; *Barrett* v. *Irish Industrial Development Association*, 197 O. G. 1294; 41 App. D. C. 244.

On turning to the act of 1920 we find that certain attributes are given to registration and that, in effect, those attributes are substantially the same as those given to the act of 1905, with the single and sole exception of that with respect to prima facie evidence of ownership referred to above. We find, therefore, that by section 4 one is prohibited from counterfeiting or imitating a mark registered under the act of 1920. By section 6 of the act of 1920 we find that the provisions of certain sections of the act of 1905 are made applicable to marks placed on the register provided for by the act of 1920. For instance, sections 17, 18, 19, and 20 of the act of 1905 are made applicable to marks placed on the 1920 register, from which it appears that a suit may be brought in a United States court and an injunction may issue restraining continued use of a mark registered under the act of 1920, and proceedings may be taken for the destruction of infringing labels, etc.

From this registration No. 162,181 here relied on as a reference the Patent Office must see that on the face of the papers applicant is using a mark which, because it is already registered under the act of 1920, is prohibited to him by statute and which he may be enjoined from continuing to use. The Office under these circumstances cannot and should not stultify itself by granting to applicant a registration under the act of 1905 which will give him "prima facie evidence of ownership" when the law apparently provides that he may not use his mark. Applicant's substantial answer to this is that he is the owner of the mark and that the registration under the act of 1920 was improperly effected and is invalid and that he has priority of use. He admits and insists that the question of priority may not be tried out in an interference proceeding here, for the reason that the act of 1920, which controls registration No. 162,181, does not provide for interferences. *Lincoln Paint and Color Co.* v. *American Paint Works*, 318 O. G. 3.

[1, 2] The act of 1920, however, does provide appropriate means for removing from the register marks improvidently and improperly placed thereon. Section 2 of the act of 1920 provides for proceedings to cancel a mark upon the register. If applicant here is the owner of the mark and is entitled to use it and if he has priority over registrant, there is no reason that that matter should not be tried out in the way provided by statute—namely, by cancellation proceedings. I am unable to believe that we should in this ex parte proceeding assume that applicant is entitled to the mark, that registrant is not entitled to it, and that applicant has priority. The original bill introduced in Congress, which afterward eventuated into the act of 1920, was introduced for the sole purpose of putting into effect the Buenos Aires Convention and solely for the purpose of placing upon the register in the United States Patent Office marks communicated by the International Bureau. The purpose of the law is to put into effect that international arrangement which in its broad aspect provided for the protection in each of the adhering countries of trade-marks of owners domiciled in the other adhering countries. We must therefore interpret our laws in a way to show good faith, in an endeavor to carry out that treaty as far as may be, on the part of Congress and the executive departments. To say that Congress intended to place upon our register marks transmitted from the International Bureau and then expect the Patent Office to neglect consideration of those registrations goes beyond a reasonable probability. If we should place upon the register under the act of 1920 a trade-mark in the name of a foreign registrant and the next day proceed to place that same mark upon the 1905 register, and so give prima facie title to that mark to another party, it would seem that we would stultify ourselves. Such a result is so far against public policy that I am constrained to hold that the Examiner of Trade-Marks was right in rejecting the present mark.

[3] Applicant points out that the present application was filed before mark No. 162,181 was placed upon the 1920 register, and if so he has priority in date. Although this is so, apparently, the only way to try out the question of priority in date with respect to the 1920 act is by cancellation proceedings under section 2. Unless and until registration No. 162,181 is canceled from the register the present application to register must be refused.

Court of Appeals of the District of Columbia.

UNITED STATES, EX REL. TROY LAUNDRY MACHINERY CO., LTD., *v.* ROBERTSON, COMMISSIONER OF PATENTS.

No. 4,523. Decided June 1, 1925; certiorari denied October 12, 1925.

1. INTERFERENCE—RIGHT TO MAKE CLAIM—APPEAL TO COURT OF APPEALS OF THE DISTRICT OF COLUMBIA.
   No appeal lies to the court from a decision of the Patent Office sustaining a party's right to make a claim. If the Commissioner declares an interference, the court, as an ancillary question, may determine the right of either party to make the claims of the issue.
2. SAME—RIGHT OF PARTIES TO DEMAND DECLARATION OF—RIGHT TO MAKE CLAIMS.
   Neither party has a right to have an interference declared for the purpose of determining the right of either party to make the claims of the issue.
3. MANDAMUS—RULE 93—DECLARATION OF INTERFERENCE.
   A judgment dismissing a petition for mandamus to compel the Commissioner of Patents to declare an interference between appellant's application and a senior application affirmed, the Commissioner having denied a petition by appellant that a requirement for a statement under rule 93 be waived

Certiorari denied October 12, 1925.

APPEAL by relator from a judgment of the Supreme Court of the District of Columbia, at law, No. 69,955, denying a petition for mandamus. Affirmed.

Mr. George L. Wilkinson, *Mr. E. W. Shepard*, and *Mr. Ralph Munden* for the appellant.

Mr. T. A. Hostetler for the appellee.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from a judgment in the Supreme Court of the District of Columbia upon the pleadings, denying to appellant a writ of mandamus to compel the Commissioner of Patents to declare an interference between appellant's and a senior application.

The material facts are as follows: Fritz Balzer filed an application relating to door mechanism for washing machines and duly assigned it to appellant. Thereafter the Commissioner requested appellant in a written notice, as an aid in determining whether an interference should be declared, to file a statement setting forth as precisely as possible the date of conception of the subject matter defined in the claims, as required by rule 93 of the Patent Office, and further advising appellant that this statement would not be made a part of the record but returned to appellant. Appellant was further informed that failure to comply with this request, within the time specified, might result in the passing to issue of the application of the senior party. Subsequently appellant filed a petition requesting that the requirement for a statement be waived, and denial of this petition was followed by the filing of the petition herein.

[1, 2] In *Ewing* v. *Fowler Car Co.*, 238 O. G. 983; 1917 C. D. 409; 244 U. S. 1, the facts were identical except that in that case the applicant complied with the request of the Commissioner and filed a statement, from which it appeared that his date of conception was subsequent to the filing date of the senior party. Thereupon the Commissioner refused to declare an interference and mandamus was sought to compel him to do so. Substantially every contention advanced here was presented to and rejected by the court in that case. The court based its decision largely upon the provision of section 4904, Revised Statutes, clothing the Commissioner with discretion in determining whether an interference should be declared or denied. Here appellant contends that, even though the senior applicant was first in point of time and the primary issue of fact therefore of necessity would be decided against him, he should be permitted, if so advised, to challenge the right of the senior party to make the claims, and that the action of the Commissioner in effect deprives him of that right. In the first place, no appeal lies to this court from a decision of the Patent Office sustaining a party's right to make a claim. If the Commissioner, after exercising his discretion, declares an interference, then this court, as an ancillary question, may determine the right of either party to make the claims of the issue. See *Podlesak* v. *McInnerney*, 120 O. G. 2127; 1906 C. D. 558; 26 App. D. C. 399, 404. But neither party has a right to have an interference declared for that purpose. Here appellant may prosecute his application ex parte and, if denied the claims involved in the present controversy, may prosecute an appeal to this court, or resort may be had to a suit in equity under the provisions of section 4918, Revised Statutes, which, as suggested by the court in *Ewing* v. *Fowler Car Co.*, "is the judicial remedy the law provides."

[3] Regarding the decision in *Ewing* v. *Fowler Car Co.* as controlling here, we affirm the judgment, with costs.

Affirmed.

Court of Appeals of the District of Columbia.

HOWE *v.* CLARK AND HOVEY.

Nos. 1,776, 1,777. Decided December 7, 1925.

INTERFERENCE—ORIGINALITY—FAILURE TO DENY ALLEGED DISCLOSURE BY ONE PARTY TO THE OTHER.
Where the testimony as a whole indicated that Clark and Hovey were the first inventors and Hovey's testimony tended to show a disclosure by him to Howe some time prior to the filing of the Howe application, the failure of Howe to take the stand and deny that he derived the invention from Hovey constituted an additional reason for awarding priority to Clark and Hovey.

APPEALS from Patent Office. Affirmed.

Mr. L. K. Sager for Howe and *Mr. E. N. Pagelsen* for Clark et al.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal No. 1,777 is from concurrent decisions of the Patent Office in an interference proceeding awarding priority to the joint applicants, Clark and Hovey.

The invention covers a train-control system intended to keep the speed of the train within certain limits, depending upon the condition of the track in advance, and also to indicate such track conditions to the engineer. The invention is defined in the counts in general and broad terms.

Clark and Hovey took testimony, but Howe did not and therefore is restricted to his filing date of February 10, 1915. Each of the three tribunals below, after an analysis of the testimony, ruled that Clark and Hovey had established conception in the fall of 1914, and that this conception was followed by due diligence. An examination of the evidence upon which these findings were based convinces us of the correctness of the conclusions reached. The witnesses were men of character and a high order of intelligence, and there is no apparent reason why their consistent and uncontradicted testimony should not be accepted at its face value. The Board of Examiners in Chief and the [First] Assistant Commissioner also directed attention to the fact that Mr. Hovey's testimony tended to show a disclosure by him to Mr. Howe some time prior to the filing of the Howe applica-

tion, and that this testimony had not been met. On this point, the [First] Assistant Commissioner said:

The Examiners-in-Chief gave as an additional reason for awarding priority to the junior party the failure of Howe to take the stand and deny that he derived the invention from Hovey, in view of Hovey's testimony that he disclosed the invention to Howe and his associates in January, 1915. This holding is deemed sound.

For the reasons more fully stated in the opinions to which we have referred, the decision is affirmed in appeal No. 1,777.

In appeal No. 1,776, involving the same record and the same general subject matter, the decision also is affirmed, for the reasons stated in appeal No. 1,777.

Affirmed in No. 1,777.

Affirmed in No. 1,776.

SIMMEN *v.* HOVEY AND CLARK.

No. 1,780. Decided December 7, 1925.

APPEAL from Patent Office. Affirmed.

Mr. Lyman E. Dodge and *Mr. Robert Watson* for Simmen.

Mr. E. N. Pagelsen for Hovey et al.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

This case is closely related to two preceding cases, patent appeals Nos. 1,776 and 1,777, which involved the same testimony and the same application of Clark and Hovey.

Simmen's application was filed March 13, 1915, and, since he has taken no testimony, he is restricted to that date for conception and reduction to practice. The tribunals below have held that the testimony for Clark and Hovey established conception in the fall of 1914, which was followed by a diligent reduction to practice. For the reasons more fully stated in our opinion in appeal No. 1,777, we concur in the ruling here. The decision therefore is affirmed.

Affirmed.

U. S. Circuit Court of Appeals—Second Circuit.

MATHIEU *v.* MITCHELL VANCE CO., INC.

Decided June 8, 1925.

DOUBLE PATENTING—MECHANICAL PATENT AND DESIGN PATENTS.

Where suit is brought for infringement of a structural patent and the defense is that the patentee's earlier design patent and his structural patent constitute a case of double patenting, a question of fact must be decided—viz, Does the structural patent show anything more than or different from the design patent?

APPEAL from the District Court of the United States for the Southern District of New York.

Suit in equity by Grace E. Mathieu against the Mitchell Vance Company, Inc. Defendant appeals from an order granting a preliminary injunction. Affirmed.

STATEMENT OF THE CASE.

Suit is upon Patent 1,354,262, and all the claims thereof, of which claim 3 is as follows:

A unitary, translucent globe for lighting fixtures having an outer, frusto-conical, reflecting and diffusing member, a reflecting and diffusing member at one end of said outer member, and an inwardly extending diffusing and reflecting member at the other end of said outer member, said inwardly extending member comprising a central convex portion and a peripheral frusto-conical portion.

The application for this patent was filed June 23, 1919, and its drawings obviously show a globe of the same exterior as that of the same applicant's Design Patent 55,296, which was applied for June 10, 1919, and issued some four months before the structural patent above referred to.

Under these two patents the inventor (plaintiff's assignor) exclusively licensed the defendant, and the defendant licensee agreed, inter alia, to press the patented article for sale under the title "T. R. B. lighting unit." Defendant had the right to terminate this license by giving three months' notice of its intention so to do. It proceeded to manufacture under this license, advertised as it agreed to do, and seems to have registered as its own the mark "T. R. B.," by which the lighting fixture was made known.

In time defendant wearied of its bargain, as expressed in the license; so it terminated the agreement, as it had a right to do, declared that its attorneys had advised that the patents were invalid, but continued to make and sell, without paying anything therefor, the same article which it had made and sold under the license under the same name, "T. R. B.," and also continued to advertise that the article they sold was fully protected by patents.

Appellant's intentions seem to have been sufficiently declared by its president in a letter in evidence, which shows that litigation like the present was expected, but (said defendant)—

if the Mathieu patents are declared valid by the courts, we will have substantial claims for damages against infringers in the past, and if the patents are declared invalid we will be in the strongest position to sell the T. R. B., having advertised it widely and being the owners of the trade-mark; * * * a case like this cannot be adjudicated in less than two years, so there is no reason why we should worry about going ahead and selling the unit in as large a manner as possible. * * * If the Mathieu interests succeed in having the patents validated, it will be to their interest to put the contract back in our hands exclusively, as we will be in the strongest position to manufacture and sell it in a big way.

It appears that the particular form of globe shown by Design 55,296 was difficult to make, and that in point of fact the only form of globe made by defendant during the term of its license, as well as subsequent to the termination thereof, was another form, covered by another design patent of the same inventor, No. 64,122. The present suit counts upon this last design patent as well as on the structural patent; but the injunction order complained of enjoins defendant from nothing except that particular violation of No. 1,354,262 put out by defendant under the trade-mark "T. R. B."

Messrs. Dodson & Roe for the appellant.

Mr. Robert S. Blair (*Mr. Edward M. Evarts* on the brief) for the appellee.

Before HOUGH, MANTON, and HAND, Circuit Judges.

HOUGH, *C. J.* (after stating the facts as above):

Since defendant had good right to terminate the license granted to it at any time, it had the right also to identify the Mathieu patent with its own trade-mark, and then throw the patent aside and take the risk of infringing under its favorably known trade-mark. There was no estoppel created by the fact that defendant was once an exclusive licensee; but the morals of the situation above depicted need no comment.

The only substantial defense pleaded is that Design 55,296 and structural or mechanical Patent 1,354,262 constitute a case of double patenting within *Miller* v. *Eagle, Etc., Co.*, 66 O. G. 845; 151 U. S. 186; 14 S. Ct. 310; 38 L. Ed. 121. This means that a question of fact must be decided, viz: Does the structural patent show anything more than or different from the design patent?

It was pointed out by the court below that the design patent does not indicate the material for the globe; and, if some kind of glass be assumed, the design does not show what kind—whether (e. g.) translucent, transparent, or opalescent. Neither does the design patent indicate how the globe is to be made; whether unitary or in parts. In short, the design, as always, appeals to the eye alone; it indicated an artistic result, and gives no direction as to how that result is to be reached.

But the structural patent claims a combination of members described in mechanical or mathematical terms; so that (e. g.) the claim above quoted, read in the light of the disclosure, plainly puts forward as invention a unitary globe responding to certain laws of optics regarding the reflection and diffusion of light. The proposition here is in a true sense the same as that treated by us in *Bayley* v. *Standart, Etc., Co.*, 252 O. G. 504; 249 F. 479; 161 C. C. A. 436. For there might be a globe presenting the optical situation of the structural patent, which did not have the shape of its copending design patent. Indeed, the history of this invention goes to prove this very thing, for the plaintiff's proposition is that defendant is infringing with a globe that corresponds to Design 64,122, and which is exactly the same globe as it made when licensed under 1,354,262.

There is no evidence that the optical combinations embodied in defendant's T. R. B. unit are not the same combinations as those covered by the structural patent in respect of which defendant has been enjoined. For the reasons now stated, we are satisfied that said structural patent is not a case of double patenting over the earlier design. Defendant's present position is an afterthought, for otherwise it would never have paid tribute under the structural patent for an object which externally did not look like that design patent, which is now asserted to have invalidated the patent in suit. Nothing except this alleged double patenting is set forth in support of this appeal.

We have not found it necessary to consider the effect, if any, of the copendency of Design 55,296 and No. 1,354,262; nor have we overlooked the fact that the patent in suit is as yet unadjudicated. It is enough to note that for many years lack of adjudication has not prevented injunction pendente lite in a proper case, and we think this is such a case.

Order affirmed, with costs.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

880,053. (See 1,104,394.)

1,027,570, J. R. Sheldon, Comforter-filling machine; 1,370,411, Contrado, Swanson & Schwartz, Mattress-filling machine, suits filed Feb. 20, 1926, D. C. Mass., Doc. E 2534, *Triangle Kapok Machine Corp.* v. *The Hub Mattress Co.*; and Doc. E 2533, *Triangle Kapok Machine Corp.* v. *Royal Bedding Co., Inc.*

1,088,861, Wolfe, Fowler, Schroeder & Mappett, Bracket to support radiators, suit filed Feb. 23, 1926, D. C. Minn. (3d Div.), Doc. E 806, *Fowler & Wolfe Mfg. Co. et al.* v. *D. L. Healy* (*Healy Ruff Co.*).

1,095,680, I. L. Sjostrom, Machine for cooling and conditioning cloth, suit filed Feb. 3, 1926, D. C. Mass., Doc. E 2529, *Manufacturer's Machine Co.* v. *American Woolen Co.*

1,104,394, 880,053, C. D. Trussell, Temporary binder, decree for plaintiff Feb. 19, 1926, D. C., E. D. N. Y., Doc. 2057, *Trussell Mfg. Co.* v. *S. E. & M. Vernon, Inc.*

1,134,164, K. R. Schuster, Concrete building construction, suit filed Feb. 23, 1926, D. C., N. D Ohio (E. Div.), Doc. 1750, *The Whiteacre Engineering Co.* v. *Truscon Steel Co. et al.*

1,225,682, J. Schulde, Show-case refrigerator, appeals filed Jan. 23, 1926, C. C. A., 8th Cir. (St. Louis), Doc. 7311, *G. J. Gruendler Mfg. Co., Inc.*, v. *H. L. Hussmann Refrigerator & Supply Co.*; and Doc. 7312, *H. L. Hussmann Refrigerator & Supply Co.* v. *G. J. Gruendler Mfg. Co., Inc.*

1,229,102, B. E. Lloyd, Talking doll, consent order of discontinuance Feb. 17, 1926, D. C., S. D. N. Y., Doc. E 35/3, *Voices, Inc., et al.* v. *John Wanamaker of N. Y.*

1,229,947, F. Haggerty, Athlete's guard, appeal filed Jan. 25, 1926, C. C. A., 8th Cir. (St. Louis), Doc. 7317, *F. Haggerty et al.* v. *Rawlings Mfg. Co.*

1,273,553, R. H. Upson, Parachute, suit filed Feb. 15, 1926, D. C., W. D. N. Y., Doc. E 896, *The Goodyear Tire & Rubber Co.* v. *Irving Air Chute Co., Inc.*

1,326,752, M. Liptak, Furnace arch for boilers, order dismissing cause without prejudice Feb. 18, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 399, *Liptak Fire-Brick Arch Co.* v. *Ironton Fire Brick Co.*

1,370,411. (See 1,027,570.)

1,374,970, E. V. P. Weyand, Garment material, suit filed Feb. 20, 1926, D. C., S. D. N. Y., Doc. E 35/296, *Cockcraft Arts, Inc.*, v. *Yorke Mfg. Co., Inc.*

1,385,255, Lunt & Hatch, Cowl ventilator for motor vehicles, consent decree for plaintiff for injunction July 29, 1925, D. C. Mass., Doc. E 2169, *E. E. Crawshaw* v. *Amesbury Brass & Foundry Co.*

1,395,893, 1,530,590, C. E. Beck, Steering wheel and method of forming same, suit filed Feb. 20, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1419, *Beck-Frost Corp.* v. *Ford Motor Co.*

1,400,157, Grob, Kech & Baird, Means for assembling commutators, dismissed without prejudice Feb. 17, 1926, upon application of counsel for plaintiff, D. C., N. D. Ohio. (W. Div.), Doc. E 453. *F. J. Baird* v. *The Electric Auto Lite Co.*

1,408,807, G. H. Jantz, Wringer, included by answer Feb. 6, 1926, in suit filed Nov. 24, 1925, D. C. Minn. (4th Div.), Doc. E 494, *The Hirschy Co.* v. *Wisconsin-Minnesota Gas & Electric Household Appliance Co.*

1,440,220, H. Hopkes, Knife sharpener, suit filed Sept. 28, 1925, D. C., S. D. N. Y., Doc. E 33/369, *M. G. Goff* v. *T. Brandi* (*Keen Edge Knife Sharpening Co.*). Decree sustaining patent and granting injunction Feb. 16, 1926, D. C., S. D. N. Y., Doc. E 33/369, *M. G. Goff* v. *T. Brandi* (*Keen Edge Knife Sharpening Co.*).

1,479,497, D. A. Cutler, Process of attaching rubber soles to boots and shoes, bill dismissed Feb. 19, 1926, D. C., E. D. N. Y., Doc. 1839, *A. Hale Rubber Co.* v. *Morse & Burt Co. et al.*

1,489,940, S. Hiller, Process and apparatus for treating materials; 1,551,152, same, Drier; 1,551,196, same, Drying apparatus, suits filed Feb. 16, 1926, D. C., W. D. Wash. (N. D.), Doc. 523, *Stanley Hiller, Inc.*, v. *F. E. Owen et al.*; and Doc. 524, *Stanley Hiller, Inc.*, v. *Wilson Fisheries Co.*

1,502,461, A. Cooper, Lighting-fixture ring, suit filed Feb. 17, 1926, D. C., S. D. N. Y., Doc. E 35/274, *A. Cooper* v. *Arrow Lighting Fixture Mfg. Co., Inc.*

1,530,590. (See 1,395,893.)

1,551,152. (See 1,489,940.)

1,551,196. (See 1,489,940.)

1,552,921, R. S. Gower, Guide for flushing-tank floats, Consent order of discontinuance Feb. 23, 1926, D. C., S. D. N. Y., Doc. E 34/300, *J. A. Sexauer Mfg. Co. et al.* v. *Good Mfg. Co.*

1,559,234. Dec. 68,903, R. G. Fleming, Smoker's stand, consent order of discontinuance Feb. 15, 1926, D. C., S. D. N. Y., Doc. E 35/120, *Smokador Mfg. Co., Inc.*, v. *J. Wanamaker of N. Y., Inc., et al.*

1,566,109, E. C. McKeefrey, Garment, suit filed Feb. 13, 1926, D. C., S. D. N. Y., Doc. E 35/262, *Model Brassiere Co., Inc.*, v. *Boisefair Brassiere Co., Inc.*

Des. 68,903. (See 1,559,234.)

Re. 16,013. R. P. Simmons, Electric hair waver, bill dismissed Feb. 9, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1423, *R. P. Simmons* v. *The Variety Machine & Stamping Co.*

Re. 16,259, A. L. Duncan, Apparatus for pitting or coring fruit, suit filed Feb. 11, 1926, D. C., N. D. Calif. (S. Div.), Doc. E 1636, *Duncan Fruit Machines Co. et al.* v. *Anderson-Barngrover Mfg. Co.*

Disclaimers.

1,479,832.—*Eugene J. Ray*, Beverly, Mass. SKIVING MACHINE. Patent dated January 8, 1924. Disclaimer filed March 27, 1926, by the assignee, *United Shoe Machinery Corporation.*

Hereby enters this disclaimer to said claims 1, 2, 3, 4, 5, 6, and 12 of said Letters Patent, which are in the following words, to wit:

"1. A machine of the class described having, in combination a knife and means for engaging and advancing to the knife a piece of work, said means including a pair of feed members arranged to engage the work one on each side thereof, a carrier for said members, and means whereby the carrier may be adjusted angularly in a path the plane of which is at an angle to the direction of feed movement of the work.

"2. A machine of the class described having, in combination, a knife, means for operating the knife, a pair of feed members for engaging the work one on each side thereof and advancing it to the knife, said members being angularly adjustable, and connections between the members such that they are adjusted in unison.

"3. A machine of the class described having, in combination, a knife, means for operating the knife, a pair of feed members for engaging the work one on each side thereof and advancing it to the knife, said members being angularly adjustable, and connections between the members such that their relative position with respect to each other remains unchanged.

"4. A machine of the class described having, in combination, a knife, means for operating the knife, a pair of feed members for engaging the work one on each side thereof and advancing it to the knife, said members being angularly adjustable in a path the plane of which is at right angles to the direction of feed movement of the work.

"5. A machine of the class described having, in combination, a knife, means for operating the knife, a presser and a feed roll located one above the other and arranged to engage respectively the upper and the lower side of the work, and a carrier upon which the presser and feed roll are mounted, said carrier being angularly adjustable about an axis which is substantially parallel to the direction of feed movement of the work.

"6. A machine of the class described having, in combination, a knife, means for operating the knife, a presser and a feed roll located one above the other and arranged to engage respectively the upper and the lower side of the work, and a carrier upon which the presser and feed roll are mounted, said carrier being angularly adjustable about an axis which is substantially parallel to the direction of feed movement of the work and passes substantially through a point at one end of the roll and close to the edge of the knife.

"12. A machine of the class described having, in combination, a knife, means for engaging and advancing to the knife a piece of work, said means including a pair of feed members arranged to engage the work one on each side thereof, a carrier for said members, means connected with one of said members for driving it, and means whereby the carrier may be adjusted angularly in a path the plane of which is at an angle to the direction of feed movement of the work while maintaining the driving connection operative."

1,517,293.—*Lester H. Keim*, Crafton, Pa. DRIVE-GEAR MECHANISM. Patent dated December 2, 1924. Disclaimer filed March 29, 1926, by the assignee, *Pittsburgh Plate Glass Company.*

Enters this disclaimer to claims 2 to 8, inclusive, of said specification, which claims are in the following words:

"2. A drive mechanism comprising an annular housing having a vertically depending sleeve portion pivotally mounted at substantially its center of gravity, a work spindle journalled in said sleeve, a drive shaft journalled in said annular housing portion, a pair of gear wheels connecting said shaft and spindle and a motor geared to said drive shaft.

"3. A drive mechanism comprising a housing a drive spindle journalled therein, a shaft geared to said spindle, a motor mounted on said housing geared to said shaft, and an adjustable lever for said housing, said housing being pivotally mounted on said lever.

"4. A drive mechanism comprising a gear housing having a vertically depending sleeve portion pivotally mounted at substantially its center of gravity, means for steadying said sleeve portion, a work spindle journalled in said sleeve, a drive shaft journalled in said gear housing, a pair of gear wheels connecting said shaft and spindle, a motor geared to said drive shaft and means for effecting vertical movement of the entire mechanism.

"5. A drive mechanism comprising a reduction-gear unit, a housing therefor, and a plurality of pivot arms for supporting said housing.

"6. A drive mechanism comprising a reduction-gear unit, a housing therefor, and a plurality of pivot arms connected to trunnions provided on said housing.

"7. A drive mechanism comprising a reduction-gear unit, a vertically elongated casing for housing said mechanism, a pair of trunnions provided on the casing near its center of gravity, another pair of trunnions provided near the lower end portion thereof and levers pivotally mounted on suitable supports for pivotally engaging said trunnions.

"8. A drive mechanism comprising a reduction-gear unit, a vertically elongated casing for housing said mechanism, a pair of trunnions provided on the casing near its center of gravity, another pair of trunnions provided near the lower end portion thereof, a counter-poised lever for pivotally engaging said first named trunnions and a pivotally mounted lever for similarly engaging said other trunnions."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 13, 1926.

[VOL. 345. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 153,614. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. ODELL & SONS COMPANY, Newark, N. J., assignor to The Odell Company, Newark, N. J., a Corporation of New Jersey. Filed Oct. 1, 1921.

Particular description of goods.—Hair Tonic.
Claims use since June, 1918.

Ser. No. 159,861. (CLASS 39. CLOTHING.) JOHN V. FARWELL COMPANY, Chicago, Ill. Filed Feb. 27, 1922.

Particular description of goods.—Gloves Composed of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Jan. 20, 1922.

Ser. No. 173,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) B. F. STURTEVANT COMPANY, Hyde Park, Boston, Mass. Filed Dec. 7, 1922. Under ten-year proviso.

STURTEVANT

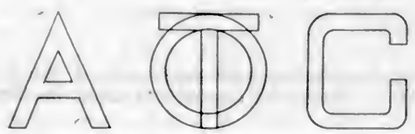
Particular description of goods.—Fans, Blowers, Exhausters, Dust Collectors, Collecting Systems, Conveying Systems; Apparatus for Drying Materials such as Lumber, Brick, Paint, Varnish, Fish, Fruit, Leather, Etc.; Steam Engines and Turbines, Gas Engines, Gear Transmissions, Mechanical Draft Apparatus, Pumps and Pump and Receiver Units, and Vacuum Cleaners.
Claims use since 1873.

Ser. No. 191,418. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOWERS MANUFACTURING COMPANY, Buffalo, N. Y. Filed Jan. 28, 1924.

No claim is made to the words "The Guarantee of Satisfaction" and "Sowers" apart from the mark shown in the drawing.

Particular description of goods.—Mixers, Vacuum Pans, Stills, Autoclaves, Digesters, Crutches, and Similar Machinery.
Claims use since July, 1899.

Ser. No. 193,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN OVER-ORIENT TRADING CORPORATION, New York, N. Y. Filed Mar. 1, 1924.



Particular description of goods.—Mocha Coffees.
Claims use since Sept. 1, 1921.

Ser. No. 198,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN CHEMICAL COMPANY, INC., Hutchinson, Minn. Filed June 17, 1924.

The lining indicates the color green.
Particular description of goods.—Iodine Antiseptic to Destroy Germs.
Claims use since Mar. 6, 1922.

Ser. No. 198,812. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARATHON BATTERY COMPANY, Wausau, Wis. Filed June 19, 1924.

Particular description of goods.—Batteries and Dry Cells.
Claims use since May 24, 1924.

Ser. No. 201,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif. Filed Aug. 18, 1924.

RED DEVIL

Particular description of goods.—Chili Sauce.
Claims use since Apr. 1, 1924.

Ser. No. 201,581. (CLASS 39. CLOTHING.) RECHTMAN & RAPHAL, Baltimore, Md. Filed Aug. 18, 1924.

STYLEFIT

Particular description of goods.—Men's Clothing—Namely, Suits and Overcoats.
Claims use since May, 1924.

Ser. No. 203,307. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Oct. 2, 1924.

FULLEREX

Particular description of goods.—Crumb Trays, Crumb and Sink Scrapers, Brush-Holding Racks in the Form of Clips to Receive Whisk Brooms and Other Clothes Brushes, Tooth-Brush-Holding Racks, and Rubber-Tube and Bath-Brush-Holding Racks.
Claims use since about May, 1924.

Ser. No. 207,114. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARK W. ALLEN & CO., doing business as Allen Perfumer, Detroit, Mich. Filed Dec. 23, 1924.

The linings upon the drawing indicate that a portion of the costume of the figure and of the headdress are in pink, a portion of the costume and headdress are in green, and a portion of the costume and headdress are in yellow.
Particular description of goods.—Face Powders, Face Creams, Face Packs, Perfumes, Toilet Waters, Hair Tonics, Shampoos, Curling Fluid, Brilliantine, Shaving Lotions, Bath Salts, Rouges, Lip Sticks, Eyebrow Pencils, Tooth Powder, Nail Polishes, Dentifrices, Deodorising Preparations, and Sachet Powders.
Claims use since Oct. 3, 1924.

Ser. No. 207,283. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN BANKING COMPANY, Springfield, Ill. Filed Dec. 27, 1924.

The lining on the drawing is for the purpose of illustrating shading only. No claim is made to the words "American Banking Company" nor to the words "Loans & Savings," "Industrial Banking," and "System" apart from the mark shown on the drawing.
Particular description of goods.—Books of Tables Published From Time to Time.
Claims use since Aug. 1, 1923.

Ser. No. 207,284. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN BANKING COMPANY, Springfield, Ill. Filed Dec. 27, 1924.

No claim is made to the word "System." The lining on the drawing is for the purpose of illustrating shading only.
Particular description of goods.—Books of Tables Published From Time to Time.
Claims use since Aug. 1, 1923.

Ser. No. 207,418. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRI-ERGON A.-G., Zurich, Switzerland. Filed Dec. 29, 1924.

Tri-Ergon

Particular description of goods.—Cinematograph Recording and Exhibiting Apparatus, Apparatus for Recording Sound on Moving-Picture Films, Apparatus for Reproducing Sound From Photographic Sound Records, Films Bearing Photographic Sound Records, Films Bearing Moving-Picture Records, and Photographic Sound Records, and Photographic-Printing Apparatus.
Claims use since Sept. 16, 1922.

Ser. No. 207,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GABA A. G., Basel, Switzerland. Filed Dec. 30, 1924.

Particular description of goods.—Voice and Throat Tablets.
Claims use since Mar. 27, 1919.

Ser. No. 207,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GABA A. G., Basel, Switzerland. Filed Dec. 30, 1924.

No claim is made to the wording appearing on the drawing with the exception of the word "Gaba."
Particular description of goods.—Voice and Throat Tablets.
Claims use since June 1, 1918.

Ser. No. 207,504. (CLASS 39. CLOTHING.) JULIUS HAIT, Chicago, Ill. Filed Jan. 2, 1925.

Phyllis

Particular description of goods.—Ladies' Hats.
Claims use since Nov. 1, 1924.

Ser. No. 208,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW CASTLE GROCERY CO., New Castle, Pa. Filed Jan. 15, 1925.

Drawing is lined for yellow.
Particular description of goods.—Canned Fruits, Canned Vegetables, Bottled Cherries and Olives, Catchup, Canned Pumpkins, Canned Sauerkraut, Canned Hominy, Vinegar, and Breakfast Cereals.
Claims use since August, 1924.

Ser. No. 209,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RED STAR MILLING COMPANY, Wichita, Kans. Filed Feb. 10, 1925.

Particular description of goods.—Wheat Flour.
Claims use since Sept. 30, 1911.

Ser. No. 209,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SURBRUG'S NUT PRODUCTS, LTD., New York, N. Y. Filed Feb. 11, 1925.

The right of exclusive use as a technical trade-mark is not claimed in this registration as to the colors indicated in the drawing or as to the name "Surbrug's," or as to "Nuts" and "Salted Nuts."
Particular description of goods.—Nuts in Natural, Shelled, Prepared, Candied, or Salted Condition.
Claims use since Sept. 1, 1923.

Ser. No. 209,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. A. HUDSON COMPANY INCORPORATED, Auburn, N. Y. Filed Feb. 12, 1925.

CREME UNIQUE

No claim is made to the exclusive use of the word "Creme" apart from the mark shown in the drawing.
Particular description of goods.—Toilet Cream.
Claims use since May 1, 1915.

Ser. No. 209,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA FOOD COMPANY, Los Angeles, Calif. Filed Feb. 12, 1925.

SIERRA

Particular description of goods.—Saratoga Chips and Salad Dressing.
Claims use since Sept. 5, 1923.

Ser. No. 209,532. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEBR. WAANING-TILLY G. M. B. H., Emmerich-on-the-Rhine, Germany. Filed Feb. 13, 1925.

The words "Gebr. Waaning-Tilly, Haarlemer Oel" and "Nr. 1696" are disclaimed apart from the mark shown.
Particular description of goods.—Medicine for Internal Use as a Blood Purifier and in the Treatment of Gallstones, Disorders of the Digestive Organs, and Scurvy, and for External Use as a Salve in the Treatment of Burns, Bruises, Cuts, and Infections.
Claims use since Nov. 28, 1922.

Ser. No. 209,599. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) TRENG MANUFACTURING CO., INC., Astoria, Long Island, N. Y. Filed Feb. 14, 1925.

LITTLE MOTHER'S
ART EMBROIDERY OUTFIT

No claim is made to the words "Art Embroidery Outfit" and "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Art Embroidery Outfits Comprised of Dolls' Clothing and of Household Goods Stamped for Embroidery, and Implements for Embroidery, Such as Thimbles, Needles, Cotton and Silk Skeins of Thread, and Embroidery Hoops.
Claims use since March, 1924.

Ser. No. 209,689. (CLASS 2. RECEPTACLES.) PEQUOT MANUFACTURING CORPORATION, Long Island City, N. Y. Filed Feb. 16, 1925.

AIR KOMPARTMENTS

Particular description of goods.—Receptacles, Shipping and Packing Cases, and Containers Made of Corrugated Paperboard.
Claims use since about January, 1924.

Ser. No. 209,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EG-CONO-ME MANUFACTURING COMPANY, Des Moines, Iowa. Filed Feb. 18, 1925.

EG-CONO-ME

Particular description of goods.—Egg Substitutes.
Claims use since Oct. 1, 1924.

Ser. No. 209,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WONG HING, doing business as Mun Hing, Mun Hing Noodle Factory, and Mun Hing Chow Mein and Noodle Factory, Minneapolis, Minn. Filed Feb. 19, 1925.

MUN HING

Particular description of goods.—Chinese Foods and Groceries—Namely, Noodles and Chow Mein.
Claims use since on or about Mar. 1, 1921.

Ser. No. 209,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MITHRA CULTURES DE PLANTES MEDICINALES, S. A. R. L., Lemberg, France. Filed Feb. 20, 1925.

CIBAROL

Particular description of goods.—Barium Sulphate.
Claims use since Dec. 26, 1924.

Ser. No. 209,960. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A/S BAKTERIOLOGISK LABORATORIUM "RATIN," Frederiksberg, near Copenhagen, Denmark. Filed Feb. 21, 1925.

RATIN

Particular description of goods.—Bacteriologic Preparations Used for Destroying Rats and Mice.
Claims use since 1906.

Ser. No. 209,969. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MARION MYLANDER BONSOR, Geneva, Ohio. Filed Feb. 21, 1925.

King Bird's

Particular description of goods.—Statuettes.
Claims use since Feb. 5, 1923.

Ser. No. 210,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEWART RITNER, Reading, Pa. Filed Feb. 24, 1925.

Mother Hubbard's

Particular description of goods.—Candy.
Claims use since Apr. 1, 1924.

Ser. No. 210,341. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BOSTON VARNISH COMPANY, Everett, Mass. Filed Mar. 2, 1925.

ARC-LITE

Particular description of goods.—Ready-Mixed Paint and Paint Enamel.
Claims use since Feb. 10, 1925.

Ser. No. 210,342. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BOSTON VARNISH COMPANY, Everett, Mass. Filed Mar. 2, 1925.

TUDOR

Particular description of goods.—Paint Enamels and Varnishes.
Claims use since Nov. 1, 1924.

Ser. No. 210,765. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TWENTIETH CENTURY MANUFACTURING CO., Cedar Rapids, Iowa. Filed Mar. 9, 1925.

TC

Particular description of goods.—Cleaner—Namely, Liquid Soap and Shampoo Soap.
Claims use since Oct. 1, 1924.

Ser. No. 211,324. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-HARTFORD CARPET COMPANY, Clinton, Mass.; Thompsonville, Conn., and New York, N. Y. Filed Mar. 20, 1925.

BRETTON

Particular description of goods.—Textile Carpets.
Claims use since 1917.

Ser. No. 211,580. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRY FEINSTEIN, doing business as Power Laboratories, Pittsburgh, Pa. Filed Mar. 25, 1925.

POWER
WILL CLEAN ANYTHING

Applicant disclaims exclusive right to the use of the words "Will Clean Anything" apart from the word "Power".
Particular description of goods.—Detergents—Namely, Carbon Tetrachloride.
Claims use since about May, 1921.

Ser. No. 212,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POTTER-WRIGHTINGTON, INC., Boston, Mass. Filed Apr. 1, 1925.

GLOBE

Particular description of goods.—Fish Food.
Claims use since Mar. 10, 1925.

Ser. No. 212,321. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HERBERT CHASE, Forest Hills, N. Y. Filed Apr. 7, 1925.

Happiness Houses

No claim is made to the word "Houses" apart from the mark shown.
Particular description of goods.—Toy Buildings.
Claims use since Mar. 18, 1925.

Ser. No. 213,054. (CLASS 33. GLASSWARE.) ILLINOIS GLASS COMPANY, Alton, Ill. Filed Apr. 13, 1925. Under ten-year proviso.

ILLINOIS GLASS COMPANY
I BOTTLES
OF EVERY DESCRIPTION

No claim is made to any wording shown on the mark apart from the mark itself, the word "Bottles" being printed in red.
Particular description of goods.—Glass Bottles.
Claims use since about 1893.

Ser. No. 213,591. (CLASS 39. CLOTHING.) THE PARAMOUNT BELT AND NOVELTY CO., New York, N. Y. Filed Apr. 30, 1925.

PETER PAN

Particular description of goods.—Men's, Women's, and Children's Belts for Personal Wear.
Claims use since Feb. 26, 1925.

Ser. No. 213,660. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CLAYTON MARK & COMPANY, Chicago, Ill. Filed May 1, 1925.

UNIVERSAL

Particular description of goods.—Cup Leathers for Well Valves.
Claims use since Feb. 5, 1925.

Ser. No. 214,548. (CLASS 39. CLOTHING.) W. T. HENDERSON, Hickory, N. C. Filed May 19, 1925.

HICKORY HOSIERY

No claim is made to the word "Hosiery" apart from the mark shown.
Particular description of goods.—Hosiery.
Claims use since Oct. 1, 1922.

Ser. No. 215,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CONSOLIDATED FLOUR MILLS COMPANY, Hutchinson, Kans. Filed June 1, 1925.

UNITED

Particular description of goods.—Wheat Flour, Graham Flour, Whole-Wheat Flour, and Corn Meal.
Claims use since Jan. 1, 1918.

Ser. No. 215,428. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia. Filed June 6, 1925.

Pistany Compress

No claim is made to the term "Compress" apart from the mark shown.
Particular description of goods.—Medical Mineral Products, Especially for Products of Mineral Medicinal Mud and Natural Springs, Preferably in the Form of Compresses, Employed in the Treatment of Gout, Rheumatism, Lumbago, Sciatica, Neuralgia, Muscular Strains, and Surgical Aftertreatments and Similar Ailments.
Claims use since Dec. 12, 1913.

Ser. No. 216,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAY CHEMICAL COMPANY, Cleveland, Ohio. Filed July 1, 1925.

OHRANA

"Ohrana."
Particular description of goods.—Cough Medicines, Foot Powders, Liniments, Cold Tablets; Ointments for Burns, Cuts, Bruises, Scalds, Itching, Chafing, and Sunburn; Stomach Tonics; Lotions, a Soothing Application of Service in Stings, Bites, Burns, Hives, Sunburn, Chapped Face and Hands, or Any Roughness of the Skin.
Claims use since Jan. 5, 1925.

Ser. No. 216,760. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ALTORFER BROS. COMPANY, East Peoria, Ill. Filed July 2, 1925.

Double A

Particular description of goods.—Clothes or Laundry Washing Machines.
Claims use since June 1, 1925.

Ser. No. 217,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLFAX FRUIT GROWERS ASSOCIATION, Colfax, Calif. Filed July 9, 1925.

SUMMIT

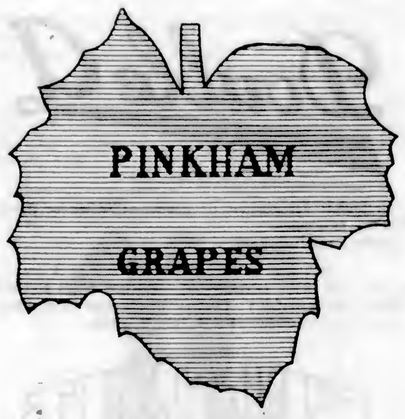
Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Mar. 1, 1925.

Ser. No. 217,710. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIJO DE JUAN J. NAVARRO, Espinardo-Murcia, Spain, and New York, N. Y. Filed July 22, 1925.

No claim is made to the word "Pimenton" apart from the mark as shown in the drawing. The picture is fanciful.

Particular description of goods.—Paprika.
Claims use since July, 1921.

Ser. No. 218,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed Aug. 3, 1925.



The conventional lining shown in the drawing indicates a blue color. The words "Pinkham Grapes" are disclaimed apart from the mark as shown.

Particular description of goods.—Fresh Grapes.
Claims use since August, 1924.

Ser. No. 218,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed Aug. 3, 1925.

The conventional lining shown on the drawing indicates black color. The words "Pinkham Grapes" are disclaimed apart from the mark shown.

Particular description of goods.—Fresh Grapes.
Claims use since August, 1924.

Ser. No. 218,419. (CLASS 39. CLOTHING.) LANG-KOHN MANUFACTURING COMPANY, St. Louis, Mo. Filed Aug. 5, 1925.

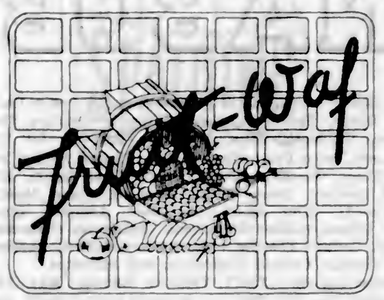
Applicant disclaims the word "Frock" and the name "Ellen Kaye."

Particular description of goods.—Dresses.
Claims use since May 1, 1922.

Ser. No. 218,584. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TUOR & STAUDENMANN SCHWEIZ. CITHOVINFABRIK, Lofingen, Switzerland. Filed Aug. 8, 1925.

Particular description of goods.—Mayonnaise and Salad Dressing.
Claims use since about October, 1924.

Ser. No. 218,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY L. WALKER, San Francisco, Calif. Filed Aug. 10, 1925.



Applicant disclaims the word "Fruit" except in connection with the other features of the mark.

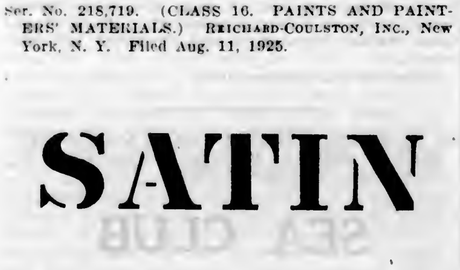
Particular description of goods.—Waffles.
Claims use since Aug. 1, 1924.

Ser. No. 218,718. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REICHARD-COULSTON, INC., New York, N. Y. Filed Aug. 11, 1925.

"Sof."

Particular description of goods.—Dry Earth Pigments.
Claims use since 1905.

Ser. No. 218,719. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REICHARD-COULSTON, INC., New York, N. Y. Filed Aug. 11, 1925.



"Satin."

Particular description of goods.—Dry Earth Pigments.
Claims use since 1893.

Ser. No. 218,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHIGAN FRUIT GROWERS, INCORPORATED, Benton Harbor, Mich. Filed Aug. 17, 1925.

No claim is made to the name "Michigander" apart from the mark shown in the drawing.

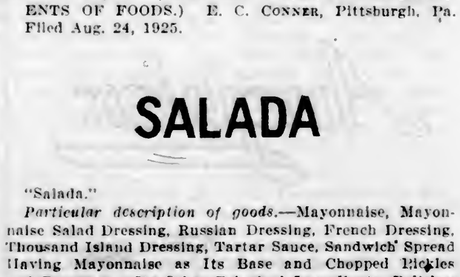
Particular description of goods.—Fresh Fruits—Namely, Fresh Apples, Peaches, Pears, Plums, Grapes, Cherries; and Canned Fruits.
Claims use since July 31, 1924.

Ser. No. 219,106. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AUTOMOTIVE LIGHTING DEVICE COMPANY, Columbus, Ohio. Filed Aug. 20, 1925.

No claim is made to the words "More Light at Night" and "No Glare in Sight" apart from the mark shown.

Particular description of goods.—Light-Directing Means for Automobile Headlights.
Claims use since Oct. 1, 1924.

Ser. No. 219,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. C. CONNER, Pittsburgh, Pa. Filed Aug. 24, 1925.



"Salada."

Particular description of goods.—Mayonnaise, Mayonnaise Salad Dressing, Russian Dressing, French Dressing, Thousand Island Dressing, Tartar Sauce, Sandwich Spread Having Mayonnaise as Its Base and Chopped Pickles and Peppers as Its Other Principal Ingredients, Relishes Composed Mainly of Chopped Pickles, Onions, Peppers, Cauliflower, and Spices.
Claims use since Aug. 12, 1925.

Ser. No. 219,332. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Aug. 25, 1925.

ARROW

Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.
Claims use since April, 1909.

Ser. No. 219,335. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Aug. 25, 1925.

ARROW
WHITE ROCK

Applicant disclaims exclusive right to the words "White Rock" except in the particular form and association in which it appears with the rest of the mark.
Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.
Claims use since January, 1914.

Ser. No. 219,366. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES S. BEARDSLEY, doing business as Anglvox Radio Corporation, East Cleveland, Ohio. Filed Aug. 26, 1925.

Anglvox

Particular description of goods.—Radio Receiving Sets and Parts Thereof, Comprising Tuning Elements, Condensers, Transformers, Switches, Sockets, and Rheostats, Loud Speakers and Units Therefor, Head Sets, Batteries, and Battery Eliminators.
Claims use since about June 15, 1925.

Ser. No. 219,397. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Aug. 26, 1925.

NABOB

Particular description of goods.—Biscuits, Coffee, Chocolate Drops, Candy, Chocolate, Cocoa, Cracker Dust, Cheese, Condensed Milk, Flavoring Extracts for Food Purposes, Dried Fruit, Canned Fish, Canned Fruits, Pancake Flour, Gherkins (Sour), Pepsin Gum, Honey, Kiln-Dried Hominy, Jams, Jellies, Lard, Molasses, Mustard (Prepared), Mint Sauce, Macaroni, Assorted Dinner Nuts, Olives, Rolled White Oats, Preserves, Cornstarch, Spices, Canned Tomato Soup, Sirup for Food Purposes, Tea, Vinegar, Canned Vegetables, and Pimentos.
Claims use since Jan 1, 1910, on biscuits; May, 1902, on coffee; May 20, 1905, on chocolate drops; April, 1902, on candy; January, 1905, on chocolate, cocoa, and cheese; Jan. 1, 1900, on cracker dust; May 1, 1904, on honey and rolled white oats; June, 1903, on flavoring extracts for food purposes; April, 1903, on dried fruit; January, 1904, on canned fish; October, 1898, on canned fruits and canned vegetables; November, 1898, on pancake flour; April, 1908, on sour gherkins and mint sauce; May 20, 1905, on pepsin gum, kiln-dried hominy, macaroni, and canned tomato soup; September, 1904, on jams, jellies, and preserves; February, 1902, on lard; January, 1903, on molasses, assorted dinner nuts, and sirup for food purposes; May, 1904, on prepared mustard; October, 1902, on olives; November, 1903, on cornstarch; September, 1903, on spices; February, 1903, on tea; Jan. 1, 1907, on vinegar; Apr. 1, 1920, on pimentos.

Ser. No. 219,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSBORNE FRUIT & VEGETABLE CO., Fullerton, Calif. Filed Sept. 4, 1925.

TOP
NOTCH

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Fresh Grapes; Melons—Namely, Cantaloupes; Fresh Vegetables—Namely, Tomatoes, Lettuce, Cauliflower, and Cabbage.
Claims use since January, 1923.

Ser. No. 219,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCGOVERN AND MCGOVERN, Seattle, Wash. Filed Sept. 5, 1925.

SEA CLUB

Particular description of goods.—Canned Salmon and Canned Loganberries.
Claims use since Aug. 5, 1924.

Ser. No. 220,368. (CLASS 37. PAPER AND STATIONERY.) A. G. SPALDING & BROS., New York, N. Y. Filed Sept. 17, 1925. Under section 5b, act of 1905, as amended 1920.

SPALDING

Particular description of goods.—Score Books.
Claims use since about Jan. 1, 1900.

Ser. No. 220,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERLING PRODUCTS COMPANY, Easton, Pa. Filed Sept. 21, 1925.

LABORATORY REAGENTS
Analysis
STERLING CHEMICALS
Certified
OF THE HIGHEST PURITY

No claim is made to the words "Laboratory Reagents of the Highest Purity, Analysis Certified," also "Sterling's Chemicals" apart from the mark as shown.
Particular description of goods.—Acetamide, Acetic Anhydride, Acetone, Acetyl Chloride, Acetic Acid, Arsenic Acid, Arsenious Acid, Benzoic Acid, Boric Acid, Butyric Acid, Calcium Phosphate Acid, Carbolic Acid, Chloroplatinic Acid, Chromic Acid, Citric Acid, Fluorhydric Acid, Formic Acid, Gallic Acid, Hydriodic Acid, Hydrobromic Acid, Hydrochloric Acid, Hydrofluoric Acid, Hydrofluosilicic Acid, Iodic Acid, Lactic Acid, Molybdic Acid, Monochloracetic Acid, Muriatic Acid, Nitric Acid, Oleic Acid, Orthoboric Acid, Oxalic Acid, Palmitic Acid, Perchloric Acid, Phosphomolybdic Acid, Phosphoric Acid, Phosphorous Acid, Phosphowolframic Acid, Phosphotungstic Acid, Phthalic Acid, Picramic Acid, Picric Acid, Potassium Phosphate Acid, Pyrogallic Acid, Rosolic Acid, Salicylic Acid, Silicic Acid, Silicofluoric Acid, Silicotungstic Acid, Silicowolframic Acid, Sodium Phosphate Acid, Stearic Acid, Succinic Acid, Sulphanilic Acid, Sulphuric Acid, Sulphurous Acid, Tannic Acid, Tartaric Acid, Trichloracetic Acid, Tungstic Acid, Agar-Agar, Egg Albumen, Amylic Alcohol, Alphadimethylglyoxime, Alums, Alumina, Aluminum Acetate, Aluminum Ammonium Sulphate, Aluminum Chloride, Aluminum Fluoride, Aluminum Hydroxide, Aluminum Nitrate, Aluminum Oxide, Aluminum Phosphate, Aluminum Potassium Sulphate, Aluminum Sodium Sulphate, Aluminum Sulphate, Aluminum Trioxide, Alundum, Amidobenzene, Ammonia Aqua, Ammonium Acetate, Ammonium Arsenate, Ammonium Bicarbonate, Ammonium Bichromate, Ammonium Siphosphate, Ammonium Cisulphate, Ammonium Bisulphite, Ammonium Bitartrate, Ammonium Borate, Ammonium Bromide, Ammonium Carbonate, Ammonium Chloride, Ammonium Chromate, Ammonium Citrate, Ammonium Dichromate, Ammonium Fluoride, Ammonium Formate, Ammonium Hydroxide, Ammonium Hydrosulphide, Ammonium Iodide, Ammonium Molybdate, Ammonium Muriate, Ammonium Nitrate, Ammonium Nitrite, Ammonium Oxalate, Ammonium Perchlorate, Ammonium Persulphate, Ammonium Phosphate, Ammonium Phosphomolybdate, Ammonium Polysulphide, Ammonium Sulphate, Ammonium Sulphide, Ammonium Sulphite, Ammonium Sulphohydrate, Ammonium Tartrate, Ammonium Thiocyanate, Amyl Acetate, Aniline, Aniline Hydrochloride, Aniline Sulphate, Anthracene, Antimony, Antimony Chloride, Antimony Oxide, Antimony Pentachloride, Antimony Pentoxide, Antimony Potassium Tartrate, Antimony Sulphate, Antimony Sulphide, Antimony Trichloride, Antimony Trioxide, Argols, Arsenic Metallic, Arsenic Chloride, Arsenic Pentoxide, Arsenic Trioxide, Ascarite, Balsam Fir, Barium Acetate, Barium Carbonate, Barium Chlorate, Barium Chloride, Barium Chromate Barium Dioxide, Barium Fluoride, Barium Hydroxide, Barium Hyposulphite, Barium Nitrate, Barium Oxalate, Barium Oxide, Barium Peroxide, Barium Phosphate, Barium Sulphate, Barium Sulphide, Barium Sulphite, Barium Thiosulphate, Benzaldehyde, Benzoyl Chloride, Betanaphthol, Bichloride of Mercury, Bismuth, Bismuth Acetate, Bismuth Carbonate, Bismuth Chloride, Bismuth Hydroxide, Bismuth Nitrate, Bismuth Oxide, Bismuth Oxychloride, Bismuth Peroxide, Bismuth Subcarbonate, Bismuth Subgallate, Bismuth Subnitrate, Bismuth Tetroxide, Bismuth Trichloride, Bismuth Trioxide, Bleaching Powder, Blue Vitriol, Bone Ash, Borax, Calcined Borax, Bromine, Bromoform, Cadmium, Cadmium Acetate, Cadmium Bromide, Cadmium Carbonate, Cadmium Chloride, Cadmium Hydroxide, Cadmium Iodide, Cadmium Nitrate, Cadmium Oxide, Cadmium Sulphate, Calcite, Calcium Acetate, Calcium Arsenate, Calcium Biphosphate, Calcium Bromide, Calcium Carbide, Calcium Carbonate, Calcium Chloride, Calcium Chromate, Calcium Citrate, Calcium Fluoride, Calcium Formate, Calcium Hydroxide, Calcium Hypochlorite, Calcium Iodide, Calcium Lactate, Calcium Nitrate, Calcium Oxalate, Calcium Oxide, Calcium Phosphate, Calcium Sulphate, Calcium Sulphide, Calcium Sulphite, Calcium Tartrate, Calomel, Camphor; Decolorizing Carbon—Namely, Decolorizing Charcoal or Bone Black; Carbon Bisulphide, Carbon Tetrachloride, Carborundum, Casein, Castor Oil, Caustic Potash, Caustic Soda, Chloral Hydrated, Chlorinated Lime, Chloroform, Chrome Alum, Chromic Oxide, Chromium Acetate, Chromium Ammonium Sulphate, Chromium Bromide, Chromium Carbonate, Chromium Chloride, Chromium Fluoride, Chromium Hydroxide, Chromium Nitrate, Chromium Oxalate, Chromium Oxide, Chromium Potassium Sulphate, Chromium Sulphate, Chromium Trioxide, Cobaltic Oxide, Cobaltous Acetate, Cobaltous Ammonium Sulphate, Cobaltous Carbonate, Cobaltous Chloride, Cobaltous Chromate, Cobaltous Hydroxide, Cobaltous Nitrate, Cobaltous Oxalate, Cobaltous Sulphate, Cochineal, Collodion, Copper Monochloride, Copper Oxide, Copperas, Coralline, Corrosive Sublimate, Cupric Acetate, Cupric Aceto Arsenate, Cupric Ammonium Chloride, Cupric Ammonium Sulphate, Cupric Arsenate, Cupric Bichloride, Cupric Borate, Cupric Bromide, Cupric Carbonate, Cupric Chloride, Cupric Nitrate, Cupric Oleate, Cupric Oxalate, Cupric Oxide, Cupric Phosphate, Cupric Potassium Chloride, Cupric Potassium Sulphate, Cupric Subcarbonate, Cupric Sulphate, Cupric Sulphide, Cupric Tartrate, Cuprous Bromide, Cuprous Chloride, Cuprous Cyanide, Cuprous Oxide, Cream of Tartar, Cyanide-Chloride Mixture, Dextrin, Dextrose, Dimethyl Aniline, Dimethyl Benzene, Dimethyl Glyoxime, Dimethyl Ketone, Dimethyl Sulphate, Dinitroamidophenol, Diphenylamine, Epsom Salts, Eschka's Mixture, Acetic Ether, Ether, Motor Ether, Ether Petroleum, Ethyl Acetate, Ethyl Bromide, Ethyl Iodide, Ethylic Ether, Ferric Acetate, Ferric Alum, Ferric Ammonium Chloride, Ferric Ammonium Citrate, Ferric Ammonium Oxalate, Ferric Ammonium Sulphate, Ferric

Chloride, Ferric Ferroso Oxide, Ferric Hydroxide, Ferric Nitrate, Ferric Oxalate, Ferric Oxide, Ferric Phosphate, Ferric Sulphate, Ferrous Ammonium Sulphate, Ferrous Chloride, Ferrous Nitrate, Ferrous Oxalate, Ferrous Phosphate, Ferrous Sulphide, Formaldehyde, Fusel Oil, Glauber's Salt, Glucose, Glycerin, Chloride, Gum Arabic, Gypsum, Hydrochinone, Hydrogen Iodide, Hydrogen Peroxide, Hydroxylamine Hydrochloride, Calcium Carbonate, Indigo Carmine, Iodine, Iodine Pentoxide, Iron, Iron Powder, Iron Perchloride, Iron Protochloride, Kaolin, Kieselguhr, Lacmoid, Lactose, Lead Acetate, Lead Arsenate, Lead Borate, Lead Carbonate, Lead Chloride, Lead Chromate, Lead Dioxide, Lead Iodide, Lead Monoxide, Lead Nitrate, Lead Oxalate, Lead Oxide, Lead Peroxide, Lead Phosphate, Lead Protoxide, Lead Subacetate, Lead Subcarbonate, Lead Sulphate, Lead Sulphide, Lead Tartrate, Lithium Carbonate, Lithium Chloride, Lithium Fluoride, Lithium Nitrate, Lithium Sulphate, Litmust Cubes, Litmus Powder, Litmus Paper, Liver of Sulphur, Logwood, Magnesia, Magnesium Acetate, Magnesium Ammonium Chloride, Magnesium Bromide, Magnesium Carbonate, Magnesium Chloride, Magnesium Chromate, Magnesium Citrate, Magnesium Fluoride, Magnesium Nitrate, Magnesium Oxalate, Magnesium Oxide, Magnesium Peroxide, Magnesium Phosphate, Magnesium Sulphate, Manganese Salts, Manganese Dioxide, Manganese Sesquioxide, Manganese Sulphate, Manganous Acetate, Manganous Borate, Manganous Carbonate, Manganous Chloride, Manganous Nitrate, Manganese Peroxide, Manganous Phosphate, Manganeous Sulphate, Mercury, Mercury Bisulphate, Mercury Subnitrate, Mercuric Acetate, Mercuric Bromide, Mercuric Chloride, Mercuric Cyanide, Mercuric Iodide, Mercuric Oxide, Mercuric Sulphate, Mercuric Sulphide, Mercurous Chloride, Mercurous Nitrate, Mercurous Oxide, Mercurous Sulphate, Metal, Methanol, Methyl Acetate, Methyl Iodide, Methyl Orange, Methyl, Methyl Salicylate, Microcosmic Salt, Milk Sugar, Molybdenum Sulphide, Molybdenum Trioxide, Monochlor Benzol, Monsel's Salt, Muriate of Ammonia, Naphthalene, Naphthalamine, Naphthalamine Chloride, Naphthol, Nickelic Oxide, Nickelous Acetate, Nickelous Ammonium Sulphate, Nickelous Carbonate, Nickelous Chloride, Nickelous Formate, Nickelous Hydroxide, Nickelous Nitrate, Nickelous Oxalate, Nickelous Oxide, Nickelous Phosphate, Nickelous Sulphate, Nickelous Tartrate, Niter, Niter Cake, Nitrobenzene, Nitroso Betanaphthol, Oil of Vitriol, Pearl Ash, Peptone, Petrolatum Liquid, Petrolatum, Phenol, Phenolphthalein, Phenylhydrazine Base, Phenylhydrazine Hydrochloride, Phosphoric Anhydride, Phosphorus, Phosphorus Amorphous, Phosphorus Oxychloride, Phosphorus Pentachloride, Phosphorus Pentaoxide, Phosphorus Pentasulphide, Phosphorus Trichloride, Platinum Chloride, Potassium Acetate, Potassium Alum, Potassium Ammonium Sulphate, Potassium Antimonate, Potassium Arsenate, Potassium Arsenite, Potassium Biborate, Potassium Bicarbonate, Potassium Binoxalate, Potassium Biphosphate, Potassium Bisulphate, Potassium Bisulphite, Potassium Bitartrate, Potassium Borate, Potassium Bromate, Potassium Bromide, Potassium Carbonate, Potassium Chlorate, Potassium Chloride, Potassium Chromate, Potassium Citrate, Potassium Cyanate, Potassium Cyanide, Potassium Dichromate, Potassium Ferricyanide, Potassium Ferrocyanide, Potassium Fluoride, Potassium Formate, Potassium Hydroxide, Potassium Iodate, Potassium Iodide, Potassium Mercuric Iodide, Potassium Metabisulphite, Potassium Monophosphate, Potassium Nitrate, Potassium Nitrite, Potassium Oxalate, Potassium Perchlorate, Potassium Permanganate, Potassium Persulphate, Potassium Phosphate, Potassium Prussiate, Potassium Pyroantimoniate, Potassium Pyrophosphate, Potassium Pyrosulphate, Potassium Silicofluoride, Potassium Sodium Tartrate, Potassium Sulphate, Potassium Sulphide, Potassium Sulphite, Potassium Sulphocyanide, Potassium Tartrate, Potassium Tetraborate, Potassium Tetraoxalate, Potassium Thiocyanate, Pyridine, Pyrogallol, Quicksilver, Resorcinol, Rochelle Salt, Saccharin, Saccharose, Sal Ammoniac, Saltpeter, Silex, Silver Chloride, Silver Nitrate, Silver Sulphate, Soda Ash, Soda Lime, Sodium Metal, Sodium Acetate, Sodium Alum, Sodium Ammonium Phosphate, Sodium Arsenate, Sodium Benzoate, Sodium Bicarbonate, Sodium Bichromate, Sodium Bifluoride, Sodium Binoxalate, Sodium Bismuthate, Sodium Bisulphate, Sodium Bisulphide, Sodium Bisulphite, Sodium Bitartrate, Sodium Borate, Sodium Bromate, Sodium Bromide, Sodium Calcium Hydrate, Sodium Carbonate, Sodium Chlorate, Sodium Chloride, Sodium Chromate, Sodium Citrate, Sodium Cobaltl Nitrite, Sodium Cyanide, Sodium Dichromate, Sodium Dioxide, Sodium Ferrocyanide, Sodium Fluoride, Sodium Fluosilicate, Sodium Formate, Sodium Hydroxide, Sodium Hydrogen Carbonate, Sodium Hydrogen Sulphate, Sodium Hydrosulphide, Sodium Hydrosulphite, Sodium Hypophosphite, Sodium Hyposulphite, Sodium Iodate, Sodium Iodide, Sodium Metabisulphite, Sodium Metaphosphate, Sodium Molybdate, Sodium Monosulphide, Sodium Nitrate, Sodium Nitrite, Sodium Nitroprusside, Sodium Oleate, Sodium Oxalate, Sodium Perborate, Sodium Peroxide, Sodium Phosphate, Sodium Potassium Carbonate, Sodium Potassium Tartrate, Sodium Prussiate, Sodium Pyrophosphate, Sodium Pyrosulphate, Sodium Pyrosulphite, Sodium Salicylate, Sodium Silicate, Sodium Silicofluoride, Sodium Stannate, Sodium Stearate, Sodium Sulphate, Sodium Sulphide, Sodium Sulphite, Sodium Tartrate, Sodium Tetraoxalate, Sodium Thiocyanate, Sodium Thiosulphate, Sodium Tungstate, Standard Solutions, Stannic Chloride, Stannic Oxide, Stannous Chloride, Stannous Oxalate, Stannous Oxide, Strontium Acetate, Strontium Bromide, Strontium Carbonate, Strontium Chloride, Strontium Hydroxide, Strontium Nitrate, Strontium Oxalate, Strontium Phosphate, Strontium Sulphate, Strontium Sulphide, Sucrose, Sugar of Lead, Sugar of Milk, Sulphur, Sulphur Chloride, Sulphur Dioxide, Sulphur Flowers, Sulphuric Ether, Tannin, Tartar Emetic, Thermit, Thorium Nitrate, Thymol, Tin Bichloride, Tin Crystals, Tin Dioxide, Tin Monoxide, Tin Protochloride, Tin Protoxide, Tin Tetrachloride, Titanium Potassium Oxalate, Toluene, Trinitrophenol, Tungsten Trioxide, Turkey Red Oil, Turmeric, Uranium Acetate, Uranium Nitrate, Water Glass, White Arsenic, Wood Alcohol, Wood's Alloy, Xylene, Yellow Precipitate, Zinc Acetate, Zinc Bromide, Zinc Carbonate, Zinc Chloride, Zinc Chromate, Zinc Hydroxide, Zinc Nitrate, Zinc Oxalate, Zinc Oxide, Zinc Stearate, Zinc Sulphate, and Zinc Sulphide.

Claims use since May 21, 1925.

Ser. No. 220,587. (CLASS 31. FILTERS AND REFRIGERATORS.) AKTIEBOLAGET ELEKTROLUX, Stockholm, Sweden. Filed Sept. 22, 1925.

ELEKTROLUX

Particular description of goods.—Refrigerating Apparatus, Refrigerating Machines, Refrigerators, and Refrigerating Plants—Namely, Small Units Adapted for Insertion in Domestic Ice Boxes, Each Unit Embodying a Boiler, a Condenser, an Evaporator, and an Absorber.

Claims use since May, 1925.

Ser. No. 220,599. (CLASS 39. CLOTHING.) J. & J. C. DORWARD LIMITED, Galashiels, Scotland. Filed Sept. 22, 1925.

DORMIE

Particular description of goods.—Costumes, Coats, and Skirts for Women; Hats, Caps, Suits, and Overcoats for Men and Children.

Claims use since Apr. 1, 1913.

Ser. No. 220,733. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE MASSILLON STEEL CASTING COMPANY, Massillon, Ohio. Filed Sept. 24, 1925.

TIGERLOY

Particular description of goods.—So-Called Alloy Steels and Castings Made Therefrom.

Claims use since May 21, 1925.

Ser. No. 221,143. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STROMBERG-CARLSON TELEPHONE MFG. CO., Rochester, N. Y. Filed Oct. 2, 1925. Under section 5b, act of 1905, as amended 1920.

Stromberg-Carlson

Particular description of goods.—Telephonic Instruments and Apparatus and Radio Apparatus, Parts, and Appurtenances—Namely, Telephonic Receiving and Talking Instruments, Signaling and Signal-Receiving Instruments, Telephonic Switchboards, Telephonic Central-Exchange Apparatus, Telephonic Line Apparatus, Circuit-Protecting Devices, Assembled Radio Receiving Sets, Head Sets, Loud Speakers, Transformers, Vacuum Tubes, Plugs, Jacks, and Electrical Condensers.

Claims use since July 1, 1894, on telephonic receiving and talking instruments, signaling and signal-receiving instruments, telephonic switchboards, telephonic central-exchange apparatus, telephonic line apparatus, and circuit protecting devices; on assembled radio receiving sets since Mar. 27, 1924; on head sets since about Aug. 1, 1914; on loud speakers since about Oct. 1, 1923; on transformers since Dec. 15, 1923; on vacuum tubes since Feb. 19, 1925; on plugs since about Mar. 15, 1922; on jacks since about Apr. 6, 1922; and on electrical condensers since about Jan. 1, 1905.

Ser. No. 221,781. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 15, 1925.

STANTEX

"Santex."

Particular description of goods.—Laundry Pads Manufactured From Wool and Hair Felt With a Burlap Center for Flat-Work Ironers, Press Machines, and Clothes Pressers, and Cotton Nets for Laundry Purposes.

Claims use since October, 1923.

Ser. No. 221,805. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CHEMISCHE FABRIK GRIESHEIM ELEKTRON, now by change of name I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Oct. 16, 1925.

Grelasulfon

Particular description of goods.—Skins, Hides, Leather Guts, Pelts, and Furs.

Claims use since Jan. 1, 1925.

Ser. No. 221,939. (CLASS 2. RECEPTACLES.) AMERICAN DEVICE MANUFACTURING COMPANY, St Louis, Mo. Filed Oct. 19, 1925.

No claim is made to the exclusive right to use the words "Deliver—Collect," "Residence Mail Chute," and "American Device Mfg. Co. St. Louis, Mo."

Particular description of goods.—Mail Chutes and Boxes for Buildings.

Claims use since July 1, 1925.

Ser. No. 222,060. (CLASS 17. TOBACCO PRODUCTS.) BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Oct. 21, 1925.

The words "Bayuk," "Philadelphia," "Hand Made," and "Perfecto" are disclaimed apart from the mark shown in the drawing. The lines on the drawing indicating red are disclaimed for color.

Particular description of goods.—Cigars.

Claims use since on or about Nov. 1, 1912.

Ser. No. 222,089. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT L. RICH, New York, N. Y. Filed Oct. 21, 1925.

The drawing is lined to show the color red. Applicant disclaims the right to the exclusive use of the name "Albert L. Rich's" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Preserved Ginger, Crystallized Ginger, and Wine Jelly, a Gelatin Preparation.

Claims use since Aug. 17, 1925.

Ser. No. 222,305. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GUY CAMPBELL, London, England. Filed Oct. 26, 1925.

VIMZIP

Particular description of goods.—Dumb-Bells, Grip Developers, and Muscular Developers for the Muscles of the Fingers, Hands, and Arms.

Claims use since Feb. 4, 1925.

Ser. No. 222,428. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 20, 1925.

BAKELITE

Particular description of goods.—Clock Cases and Watchcases.

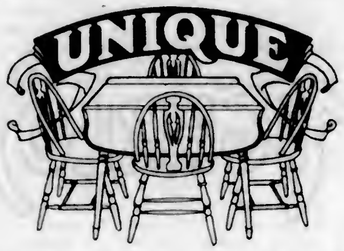
Claims use since Apr. 2, 1922.

Ser. No. 222,644. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VALLEY ELECTRIC COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Oct. 31, 1925.

Particular description of goods.—Electric Motors, Electric Relays for Controlling Electric-Light Circuits, Battery Chargers, and Electrically-Driven Coffee Mills and Buffers.

Claims use since Jan. 10, 1920.

Ser. No. 222,713. (CLASS 32. FURNITURE AND UPHOLSTERY.) J. C. SPACH WAGON WORKS, Winston-Salem, N. C. Filed Nov. 2, 1925.



The representation of the table and chairs is disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Chairs for Household Purposes, Dining Tables, Card Tables, Kitchen Tables, and Living-Room Tables.

Claims use since Oct. 21, 1925.

Ser. No. 222,800. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE RUB-NO-MORE COMPANY, Fort Wayne, Ind. Filed Nov. 4, 1925.

RUB-NO-MORE

Particular description of goods.—Washing Powder, Soap Flakes, and Naphtha Soap.

Claims use since May 1, 1895.

Ser. No. 222,802. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SULLIVAN BRUSH CO., Sullivan, Ind. Filed Nov. 4, 1925.

HONOR BRAND BRUSHES

No claim is made to the words "Brand" and "Brushes" apart from the mark shown in the drawing.

Particular description of goods.—Brushes—Namely, Floor Brushes, Window Brushes, Counter Brushes, Radiator Brushes, Toilet-Bowl Brushes, Wall Brushes, Floor Mops, Shoe Daubers, Shoe Brushes, Hand Scrub Brushes, Deck Scrub Brushes, Push Brooms, Round Steel Wire Painters' Brushes, Round Steel Wire Machinists' Brushes, Flat Steel Wire Butchers' Brushes, Bottle Brushes, and Spoke Brushes.

Claims use since Jan. 1, 1924.

Ser. No. 223,029. (CLASS 31. FILTERS AND REFRIGERATORS.) FILTRATION ENGINEERS INC., New York, N. Y. Filed Nov. 9, 1925.

FEINC

Particular description of goods.—Automatic Vacuum Filters, Automatic Sand Filters, Nonatomizing Wash Filters, Vacuum Discharge Filters, Scraperless Filters, and Chemical Driers, Filter-Cake Compressors, Drying Systems, and Drum-Type Driers Used in Connection With Filters or Filtering Apparatus and Constituting a Part Thereof.

Claims use since about Aug. 1, 1919.

Ser. No. 223,030. (CLASS 31. FILTERS AND REFRIGERATORS.) FILTRATION ENGINEERS INC., New York, N. Y. Filed Nov. 9, 1925.

FEINC

Particular description of goods.—Automatic Vacuum Filters, Automatic Sand Filters, Nonatomizing Wash Filters, Vacuum Discharge Filters, Scraperless Filters, and Chemical Driers, Filter-Cake Compressors, Drying Systems, and Drum-Type Driers Used in Connection With Filters or Filtering Apparatus and Constituting a Part Thereof.

Claims use since about Aug. 1, 1919.

Ser. No. 223,055. (CLASS 39. CLOTHING.) DAVID H. POSNER INC., Boston, Mass. Filed Nov. 9, 1925.

SILVERTONE

"Silvertone."

Particular description of goods.—Underwear—Namely, Union Suits, Undershirts, and Drawers of Knitted or Woven Fabrics—for Men, Women, and Children; Dress, Negligee, and Work Shirts, Shirt Waists, and Hosiery for Men, Women, and Children, and Dresses.

Claims use since Sept. 1, 1923.

Ser. No. 223,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed Nov. 11, 1925.

Particular description of goods.—Candy.

Claims use since Nov. 5, 1925.

Ser. No. 223,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SAR-A-LEE COMPANY, Cleveland, Ohio. Filed Nov. 11, 1925.

Sar-a-Lee

Particular description of goods.—Mayonnaise Spread for Sandwiches, Consisting of Mayonnaise, Pickles, Olives, Ham, and Spices; Vegetable Relish, and Chow, Consisting of Cabbage and Spices.

Claims use since March, 1922.

Ser. No. 223,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LANDAUER & Co., London, England. Filed Nov. 12, 1925.

"Golden Bough."

Particular description of goods.—Canned Fruits and Dried Fruits, Canned Berries, Canned Vegetables, Canned Fish, and Canned Fruit Salad.

Claims use since Apr. 11, 1919.

Ser. No. 223,347. (CLASS 32. FURNITURE AND UPHOLSTERY.) TELL CITY FURNITURE COMPANY, Tell City, Ind. Filed Nov. 14, 1925.

No claim is made to the exclusive use of the word "Swiss-Craft" apart from the other features shown. The drawing is lined to indicate the colors red, blue, green, purple, and yellow.

Particular description of goods.—Household Furniture, Dressers, Chiffoniers, Chifforobes, Chifforettes, Lowboys, Highboys, Beds, Chests, Night Stands, Telephone Stands, Benches, Chairs, Rockers, and Tables.

Claims use since about Oct. 14, 1925.

Ser. No. 223,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE E. GAINES, doing business as Marcello Mfg. Co., Dallas, Tex. Filed Nov. 20, 1925.

MARCELLO

Particular description of goods.—Hair-Waving Preparation.

Claims use since Oct. 1, 1925.

Ser. No. 223,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KEYSTONE FRUIT PRODUCTS COMPANY, Hamilton, Ohio. Filed Nov. 20, 1925.

KEYSTONE

No exclusive right is claimed to the representation of a keystone except in the connection shown.

Particular description of goods.—Bakers' Vanilla, Marshmallow Frost, Tutti-Frutti, Cocoa Paste, Caramel, Maple, Walnut, and Butterscotch Sundaes or Topping Used as a Sundae Dressing.

Claims use since June 1, 1915.

Ser. No. 223,661. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed Nov. 21, 1925.

Fungtrogen

FUNGICIDE FERTILIZER

The words "Fungicide" and "Fertilizer" appearing in the mark are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Fungicides.

Claims use since Sept. 1, 1924.

Ser. No. 223,666. (CLASS 38. PRINTS AND PUBLICATIONS.) STANDARD STATISTICS COMPANY, INC., New York, N. Y. Filed Nov. 21, 1925.

Particular description of goods.—Books, Leaflets, Letters, Pamphlets, Circulars, and Sections of Books Containing Information Relating to General Business and Financial Conditions and Prospects, to Conditions and Prospects in Various Industries, and to Public and Private Corporations, Municipalities, and State and National Governments in the United States and Foreign Countries, and to Stocks, Bonds, Notes, and Other Securities or Evidences of Indebtedness Issued Thereby.

Claims use since Oct. 8, 1925.

Ser. No. 223,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWBERN PHARMACY, Newbern, Ala. Filed Nov. 23, 1925.

FYR-EZE

Particular description of goods.—Preparations for the Treatment of Catarrh, Hay Fever, Rose Cold, Tonsillitis, Croup, Colds, Headache, Neuralgia, Rheumatism, Sores, Insect Bites, Chapped Hands or Face, Fever Blisters, Piles, Hemorrhoids, and All Skin Diseases.

Claims use since July, 1912.

Ser. No. 223,933. (CLASS 39. CLOTHING.) THE NATIONAL GLOVE COMPANY, Columbus, Ohio. Filed Nov. 27, 1925.

National

NAPA HORSE

No claim is made for the word "Napa" and the word "Horse" apart from the mark shown in the drawing.

Particular description of goods.—Leather Gloves and Cotton Gloves with Leather Palms.

Claims use since October, 1925.

Ser. No. 223,962. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HALES LAYER POSTER CORPORATION, New York, N. Y. Filed Nov. 28, 1925.

Particular description of goods.—Picture Construction Sets of Layer Pieces.

Claims use since July, 1925.

Ser. No. 224,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIRU CITRUS ASSOCIATION, Piru, Calif. Filed Nov. 30, 1925.

TRY-SUM

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since February, 1915.

Ser. No. 224,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. ERNST SILTEN, Berlin, Germany. Filed Dec. 2, 1925.

Supertendin

Particular description of goods.—Medicaments for the Treatment of Malignant Tumors in Men and Animals, Medicinal Preparations for Increasing the Surface Tension of the Blood Serum, Preparations for Treating Malignant Tumors by Increasing the Surface Tension of the Blood Serum, Organic Preparations Made from the Spleen.

Claims use since Oct. 2, 1924.

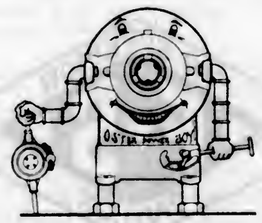
Ser. No. 224,116. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 2, 1925.

DERBY

Particular description of goods.—Painters' Brushes.

Claims use since Oct. 5, 1922.

Ser. No. 224,201. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 3, 1925.



OSTER POWER BOY

Particular description of goods.—Power-Driven Threading and Pipe-Working Tools and Machines and Parts Thereof.

Claims use since Nov. 12, 1925.

Ser. No. 224,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIS-PRICE ELEVATOR COMPANY, INC., Enid, Okla. Filed Dec. 7, 1925.

BIDDY'S BEST

YOUR BEST BUY

No claim is made to the words "Your Best Buy" apart from the mark as shown in the drawing.

Particular description of goods.—Chicken Feed, as Follows: Laying Mash, Growing Mash, Scratch Feed, and Baby-Chick Feed.

Claims use since Sept. 1, 1925.

Ser. No. 224,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. ORLAND'S HEALTH PRODUCTS LABORATORY, Philadelphia, Pa. Filed Dec. 9, 1925.

HOT-DROPS

No claim is made to the exclusive use of the words "Hot Drops" apart from the mark shown.

Particular description of goods.—Lozengers or Tablets for Sore Throat, Coughs, Colds, Bronchitis, Tonsillitis, and Hoarseness.

Claims use since November, 1922.

Ser. No. 224,720. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PACIFIC LEGION, INC., Portland, Oreg. Filed Dec. 15, 1925.

Better Flowers

Particular description of goods.—Monthly Magazine.

Claims use since October, 1925.

Ser. No. 224,736. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) VOGEL BROTHERS COMPANY, INC., New York, N. Y. Filed Dec. 15, 1925.

THE "VOGUE"

FIFTH AVENUE NEW YORK

Applicant disclaims the use of the words "The 'Vogue' Fifth Avenue New York" apart from the mark shown.

Particular description of goods.—Collar Buttons, Cuff Links; Watch, Neck, and Belt Chains; Pins, Collar Pins, Belt Buckles, Watch Fobs, Table and Pocket Knives, Flasks, Identifying Pins of Several Benevolent Orders, Lingerie Clasps, Earrings, Scarf Pins, Finger and Napkin Rings, Bracelets, Initialed Belts, and Dress Studs, All Made of or Plated With Precious Metal Wholly or in Part.

Claims use since January, 1905.

Ser. No. 224,786. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 16, 1925.

SOLO

Particular description of goods.—Painters' Brushes.

Claims use since Jan. 1, 1920.

Ser. No. 224,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WERNER POULTRY CO., Minneapolis, Minn. Filed Dec. 18, 1925.

HEART OF MINNESOTA

No claim is made to the word "Minnesota" apart from the mark as shown in the drawing.

Particular description of goods.—Dressed Poultry and Eggs.

Claims use since on or about Oct. 15, 1925.

Ser. No. 224,892. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y. Filed Dec. 19, 1925.

Petrol

Particular description of goods.—Belt Clamps or Belt Fasteners.

Claims use since July 1, 1925.

Ser. No. 224,953. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CELITE COMPANY, Los Angeles, Calif. Filed Dec. 21, 1925.

CELITE CROSS SECTIONS

Particular description of goods.—House Organ and Serial Publications.

Claims use since about January, 1924.

Ser. No. 225,052. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEP MANUFACTURING COMPANY, Wilmington, Del., and New York, N. Y. Filed Dec. 23, 1925.

Pep

Particular description of goods.—A-Battery Eliminators, B-Battery Eliminators, C-Battery Eliminators, and Battery Chargers.

Claims use since Dec. 2, 1925.

Ser. No. 225,086. (CLASS 25. LOCKS AND SAFES.) FRAIM-SLAYMAKER HARDWARE CO., INC., Lancaster, Pa. Filed Dec. 23, 1925.

FAR SUPEPIOR F-S PADLOX

No claim is made herein to the exclusive use of the words "Far Superior" or to the word "Padlox" apart from the mark as shown on the drawing.

Particular description of goods.—Builders' Hardware—Namely, Padlocks, Night Locks, Cabinet Locks, Bank Locks, Door Locks, Railroad-Car Locks, Keys and Parts Thereof, Strike Plates and Escutcheons.

Claims use since about Sept. 20, 1923.

Ser. No. 225,155. (CLASS 39. CLOTHING.) C. DARNON, St-Chamond, France. Filed Dec. 23, 1925.

la Superpat

TOUT CAOUTCHOUC

SUPER PAT

BREVETÉ S.G.D.G.

No claim is made for the exclusive use of the expressions "Tout Caoutchouc" and "Brevete S. G. D. G." nor for the pictorial representation of the goods apart from the arrangement and association shown on the drawing.

Particular description of goods.—Straps of Suspenders.

Claims use since May 4, 1925.

Ser. No. 225,259. (CLASS 38. PRINTS AND PUBLICATIONS.) FEDERAL SECURITIES CORPORATION, Chicago, Ill. Filed Dec. 29, 1925.

INVESTMENT SECURITIES FSC CHICAGO

Federal

Applicant disclaims the words "Investment Securities" and "Chicago."

Particular description of goods.—Publications—Namely, Printed Books and Pamphlets.

Claims use since Oct. 1, 1921.

Ser. No. 225,265. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KRUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Dec. 29, 1925.

Particular description of goods.—Drawing Instruments Comprising Compasses, Dividers, Bow Pens, Bow Pencils, and Drawing Pens.

Claims use since Jan. 1, 1883.

Ser. No. 225,310. (CLASS 39. CLOTHING.) LEON L. LYONS, doing business as Lyons Hose Protector Company, Omaha, Nebr. Filed Dec. 30, 1925.

LYONS HOSE PROTECTOR

No claim is made to the words "Lyon's Hose Protector" except in association with the mark as shown.

Particular description of goods.—Hose Protector Adapted to be Attached to the Inner Side of the Heel of the Upper of a Shoe.

Claims use since Apr. 10, 1925.

Ser. No. 225,368. (CLASS 12. CONSTRUCTION MATERIALS.) C. M. MCCLUNG & CO., Knoxville, Tenn. Filed Dec. 31, 1925.

Le Conte Roofing

Withstands the Ravages of Weather and Time

No claim is made to the wording apart from the mark as shown on the drawing.

Particular description of goods.—Smooth-Surface Asphalt Ready Roofing.

Claims use since Dec. 3, 1925.

Ser. No. 225,502. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) L. G. BURT, Tulsa, Okla. Filed Jan. 5, 1926.

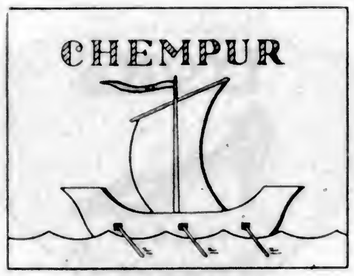
Burt

The mark is a facsimile of handwriting of applicant. No claim is made to the mark except in the characteristic and fanciful form in which it is shown.

Particular description of goods.—Oil-Well Swabs.

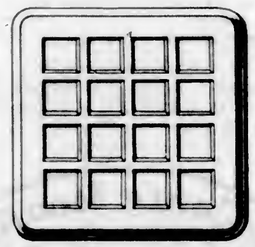
Claims use since Feb. 1, 1925.

Ser. No. 225,549. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CAPPER PASS & SON, LTD., Bristol, England. Filed Jan. 6, 1926.



Particular description of goods.—Pig and Ingot Tin.
Claims use since 1919.

Ser. No. 225,557. (CLASS 39. CLOTHING.) THE DANIEL HAYS COMPANY, Gloversville, N. Y. Filed Jan. 6, 1926.



Particular description of goods.—Gloves Constructed of Leather, Rubber, or Fabric or of Combinations of These Materials.
Claims use since Oct. 1, 1925.

Ser. No. 225,560. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOPLIN SUPPLY COMPANY, Joplin, Mo. Filed Jan. 6, 1926.

The shading is to indicate the colors blue and red. The words "Joplin Supply Co.," "Joplin, Mo.," "Quality," "Service" and "Machinery, Mine and Mill Supplies" are hereby disclaimed except in combination with the mark shown.
Particular description of goods.—Air Cocks, Air Nozzles, Angle Valves, Valves, Back-Pressure Valves, Barn-Door Hangers, Barn-Door Tracks, Bolts, Belt Fasteners, Belt-Fastener Plates, Metal Belt Lacing, Belt Rivets, Iron-Pipe Return Bends, Iron Pipes, Y-Bends, Blow-off Valves, Shelf Brackets, Door Butts, Caps for Pipes, Sash Chains, Chain Belting, Check Valves, Hose Clamps, Wire Rope Clips, Flanges, Tube Ferrules, Hose and Pipe Couplings, Drains and Stops, Flange Valves and Fittings, Elbows, Screw Eyes and Hooks, Pipe Fittings, Flange Unions, Flexible Joints, Float Valves, Floor Flanges, Gas Pipe, Gauge Cocks, Globe Valves, Hasps, Hinges, Swivel Hooks, Hook Plates, Hooks and Sockets, Hooks and Thimbles, Bushings, Lag Screws, Lock Washers and Lock Nuts, Lug Hooks, Pipe Reducers, Reducer Couplings, Stair-Railing Fittings, and Strainers.
Claims use since Sept. 1, 1923.

Ser. No. 225,620. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ROY H. SCHWARTZ, doing business as R. H. Schwartz Tire Flap Manufacturing Co., Cleveland, Ohio. Filed Jan. 7, 1926.

The lining of drawing indicates the color red.
Particular description of goods.—Tire Flaps.
Claims use since Nov. 14, 1924.

Ser. No. 225,645. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C-Y LABORATORIES INC., Pulaski, Tenn. Filed Jan. 8, 1926.

Particular description of goods.—Medicine for Cystitis.
Claims use since July 23, 1924.

Ser. No. 225,670. (CLASS 2. RECEPTACLES.) ISIDORE MELNICK, New York, N. Y. Filed Jan. 8, 1926.

Particular description of goods.—Paper Bags.
Claims use since Jan. 3, 1925.

Ser. No. 225,699. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LIVE LONG TOYS, Chicago, Ill. Filed Jan. 9, 1926.

77

Particular description of goods.—Dolls and Footballs.
Claims use since Dec. 5, 1925.

Ser. No. 225,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY J. GORDON, doing business as The Vincennes Coffee, Tea and Spice Company, Vincennes, Ind. Filed Jan. 9, 1926.

WEDDING DAY

Particular description of goods.—Coffee, Tea, Spices, and Flavoring Extracts for Food Purposes.
Claims use since Sept. 18, 1924.

Ser. No. 225,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERFECTION BISCUIT COMPANY, Fort Wayne, Ind. Filed Jan. 9, 1926.

HERE'S YOUR Sweetie

Particular description of goods.—Sugar-Wafer Bar Cake.
Claims use since Nov. 1, 1925.

Ser. No. 225,753. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WOOLWORTH CHEMICAL COMPANY, Lititz, Pa., doing business as K-D Manufacturing Company, Lancaster, Pa. Filed Jan. 9, 1926.

VISIONITE

Particular description of goods.—Rear-Vision Mirror for Automobiles.
Claims use since Oct. 15, 1925.

Ser. No. 225,762. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM B. BOOM, Cleveland, Ohio. Filed Jan. 11, 1926.

Particular description of goods.—Lathes, Planers, Drill Presses, Boring Mills, Shapers, Band Saws, Saw Tables, Hack Saws, Bolt Cutters, Punch Presses, Shears, Rolls, Clutches, Key Seaters, Internal-Combustion Engines, Chisels, Punches, Reamers, Taps, Dies, Drills, Files, Cutters, Saw Blades, and Hammers.
Claims use since January, 1916.

Ser. No. 225,811. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SMITH & SONS CORPORATION, Buffalo, N. Y. Filed Jan. 11, 1926.

No claim is made to the exclusive use of the representation of a hairpin apart from the mark as shown in the drawing.
Particular description of goods.—Hairpins Made of Nonprecious Metals.
Claims use since Dec. 28, 1925.

Ser. No. 225,812. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SMITH & SONS CORPORATION, Buffalo, N. Y. Filed Jan. 11, 1926.

Victory

Particular description of goods.—Hairpins Made of Nonprecious Metals.
Claims use since 1871.

Ser. No. 225,820. (CLASS 46. FOODS AND INREDIENTS OF FOODS.) AMERICAN BAKERY MATERIALS COMPANY, Menomonie, Wis. Filed Jan. 12, 1926.

MATURO

Particular description of goods.—Gluten Developer.
Claims use since Apr. 21, 1921.

Ser. No. 225,881. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HART & HEGEMAN MFG. CO., Hartford, Conn. Filed Jan. 13, 1926.

Liberty Bell Pull Socket

No claim is made to the words "Pull Socket" or to the representation of the goods apart from the mark shown.
Particular description of goods.—Pull Sockets.
Claims use since Oct. 20, 1925.

Ser. No. 225,948. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BEE JAY PRODUCTS CO. INC., New York, N. Y. Filed Jan. 15, 1926.

JAZZITHA

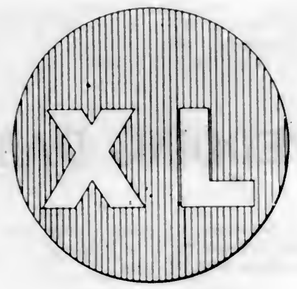
Particular description of goods.—Monochord Musical Instruments Comprising a Base Over Which a String or Wire is Tensioned, and a Resonant Sounding Member Attached Thereto, the Instrument Being Played by Means of a Plectrum and Different Tones Being Produced on the Single String by Stopping the Same with a Bar Provided for That Purpose.
Claims use since Dec. 21, 1925.

Ser. No. 225,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEGO MILK PRODUCTS CO., Salt Lake City, Utah. Filed Jan. 15, 1926.

Meadow Sweet

Particular description of goods.—Butter.
Claims use since June, 1905.

Ser. No. 226,017. (CLASS 17. TOBACCO PRODUCTS.) HAMILTON ORMSBY, Louisville, Ky. Filed Jan. 16, 1926.



No claim is made to a circular tag colored red apart from the other features of the mark. The drawing is lined for red.
Particular description of goods.—Chewing Tobacco.
Claims use since January, 1905.

Ser. No. 226,024. (CLASS 17. TOBACCO PRODUCTS.) RYAN-HAMPTON TOBACCO CO., Louisville, Ky. Filed Jan. 16, 1926.

No claim is made to the name "Hampton's" nor to a circular tag colored red apart from the other features of the mark. The drawing is lined for red.
Particular description of goods.—Chewing Tobacco.
Claims use since January, 1900.

Ser. No. 226,064. (CLASS 17. TOBACCO PRODUCTS.) MARK M. LEICHTER, doing business as Lickter's Egyptian Smoke Shop, Hollywood, Calif. Filed Jan. 18, 1926.

Mark Lickter

The mark is a facsimile of the signature of applicant. No claim being made to the name except in the form shown.
Particular description of goods.—Cigarettes, Cigars, and Smoking Tobacco.
Claims use since Aug. 15, 1924.

Ser. No. 226,069. (CLASS 39. CLOTHING.) WALTER J. MCCLELLAND, New York, N. Y. Filed Jan. 18, 1926.

The lining in the drawing is for shading only. No claim is made to the word "Products" except in the connection shown.
Particular description of goods.—Hosiery.
Claims use since January, 1918.

Ser. No. 226,077. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE QUEEN CITY BOTTLING CO., Cincinnati, Ohio. Filed Jan. 18, 1926.

Hy-Pure

No claim is made to the exclusive use of the word "Pure" apart from the association with the letters "Hy".
Particular description of goods.—Artificial Vichy Water.
Claims use since Nov. 1, 1925.

Ser. No. 226,083. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SODOASIS MANUFACTURING CO., Los Angeles, Calif. Filed Jan. 18, 1926.

SODOASIS

Particular description of goods.—Automatic Soda Fountain.
Claims use since Sept. 16, 1925.

Ser. No. 226,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. F. BLANKE CANDY CO., Branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Filed Jan. 19, 1926.

"Colonial Girl."
Particular description of goods.—Candy.
Claims use since Oct. 5, 1925.

Ser. No. 226,100. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DANCE PUBLISHING CORPORATION, New York, N. Y. Filed Jan. 19, 1926.

The DANCE

Particular description of goods.—Monthly Magazine.
Claims use since Nov. 8, 1925.

Ser. No. 226,152. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAUSER MILL COMPANY, Laurys, Pa. Filed Jan. 20, 1926.

QUEENS BEST

No claim is made to the word "Best" apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since July, 1906.

Ser. No. 226,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEALY-DRESSER CO., Portland, Oreg. Filed Jan. 20, 1926.

Oregon Trail

Particular description of goods.—Fresh Apples, Walnuts in Their Natural State.
Claims use since Nov. 1, 1924.

Ser. No. 226,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. S. KIBBE COMPANY, Hartford, Conn. Filed Jan. 21, 1926.

No claim is made to the descriptive notation "Est. 1878" apart from the other features of the mark, which comprises a letter "K" in white on a square background of green within a notched disk of red.
Particular description of goods.—Canned Foods—Namely, Tomatoes, Squash, Corn, Succotash, Lima Beans, String Beans, Pumpkin, and Ronsted Coffee, All Put Up in Cans.
Claims use since Sept. 15, 1925.

Ser. No. 226,249. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KOROLO GAME COMPANY, Des Moines, Iowa. Filed Jan. 22, 1926.

KOROLO

Particular description of goods.—Game Played with Balls and Mallets.
Claims use since June 1, 1925.

Ser. No. 226,250. (CLASS 2. RECEPTACLES.) MASTER METAL PRODUCTS INC., Buffalo, N. Y. Filed Jan. 22, 1926.

RECEPTO-KAN

No claim is made to the word "Kan" except in association with the mark as it appears on the drawing.
Particular description of goods.—Garbage and Waste Cans.
Claims use since Aug. 1, 1925.

Ser. No. 226,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCCORD-BRADY CO., Omaha, Nebr. Filed Jan. 23, 1926.

ROSEMONT

Particular description of goods.—Canned Vegetables—Namely, Canned Tomatoes, Corn, Sweet Potatoes, Spinach, Pumpkin, Peas, Asparagus Tips, Beans, Beets, Asparagus; Canned Fruits—Namely, Canned Apricots, Cherries, Pears, Pineapple, Peaches, Hearts of Grapefruit, Apples, Plums; Canned Berries—Namely, Canned Raspberries, Loganberries, Blackberries, Blueberries, Gooseberries, Strawberries; Canned Fish—Namely, Canned Tunny Fish and Salmon; Canned Dried Shrimp and Canned Wet Shrimp, Canned Succotash, Canned Fruit Salad, Canned Pork and Beans, Canned Italian Prunes, Coffee, Flavoring Extracts for Foods; Spices—Namely, Cinnamon, Allspice, Ginger, Sage, Paprika, Nutmeg, Mace, White Pepper, Black Pepper, Red Pepper, Cloves, Mustard; Pure Olive Oil and Pure Cider Vinegar and Rolled Oats.
Claims use since 1920.

Ser. No. 226,306. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Jan. 23, 1926.

Fleece Twist

Particular description of goods.—Topcoats and Overcoats for Men, Youths, and Boys.
Claims use since Jan. 9, 1926.

Ser. No. 226,308. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. G. SPALDING & BROS., New York, N. Y. Filed Jan. 23, 1926.

KRO-BAT

No claim is made for exclusive rights to the word "Bat" apart from the word "Kro."
Particular description of goods.—Tennis Rackets.
Claims use since about July 27, 1923.

Ser. No. 226,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NELSON, BAKER & COMPANY, Detroit, Mich. Filed Jan. 25, 1926.

BLOSSOM TIME

Particular description of goods.—Face Powder, Skin Cream, and Toilet Water.
Claims use since Jan. 12, 1926.

Ser. No. 226,377. (CLASS 17. TOBACCO PRODUCTS.) VIRGILIO RODRIGUEZ, New York, N. Y. Filed Jan. 25, 1926.

JUAN SOLIS

JUAN SOLIS

The portrait and name are those of the celebrated navigator, Juan Solis, deceased 1516, no claim being made to the name apart from the other features of the mark.
Particular description of goods.—Cigars, Cigarettes, and Smoking Tobacco.
Claims use since November, 1925.

Ser. No. 226,410. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HAROLD S. WITTMAAK, Erie, Pa. Filed Jan. 25, 1926.

RUBBER-OONS

Particular description of goods.—Rubber Toy Figures, Such as Inflated Dolls and Similar Characters, Rubber Balls, and Rubber Toy Balloons.
Claims use since Dec. 19, 1925.

Ser. No. 226,435. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORRIS LOEWY, doing business as New York Machinery Company, New York, N. Y. Filed Jan. 26, 1926.

UNIVERSAL

Particular description of goods.—Baling Presses.
Claims use since Apr. 19, 1920.

Ser. No. 226,486. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE HENSEL CO., INC., New York, N. Y. Filed Jan. 27, 1926.

ULTRA

"Ultra."
Particular description of goods.—Artificial Pearls.
Claims use since Dec. 19, 1925.

Ser. No. 226,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUPPE MORTUARY, Los Angeles, Calif. Filed Jan. 27, 1926.

No claim is made for any of the wording in the drawing other than the word "Mummy."
Particular description of goods.—Composition of Matter for Disposing of Aqueous Emanations From Human Remains.
Claims use since Jan. 20, 1926.

Ser. No. 226,557. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH F. PRENOSIL, Georgetown, Minn. Filed Jan. 28, 1926.

Prenosil BLOCKER

No claim is made to the word "Blocker" apart from the mark shown. The word "Prenosil" is in applicant's handwriting. No claim is made to the surname "Prenosil" except in the form shown.
Particular description of goods.—Beet Blockers.
Claims use since Dec. 21, 1925.

Ser. No. 226,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL J. RUSSELL, doing business as Chlor-vis Chemical Co., Chicago, Ill. Filed Jan. 28, 1926.

No claim is made to the exclusive right to the use of the words "Antiseptic," "Deodorant," "Germicide," "Prophylactic," "Stimulant," "Astringent," "Chemical Co.," and "Chicago" except in the association shown.
Particular description of goods.—Medicinal Preparation Having Antiseptic, Deodorant, Germicidal, Prophylactic, Stimulant, and Astringent Properties.
Claims use since Jan. 1, 1925.

Ser. No. 226,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATE SALES CORPORATION, Hershey, Pa. Filed Jan. 30, 1926.

SILVERPOINTS

Particular description of goods.—Milk Chocolate.
Claims use since about Jan. 28, 1926.

Ser. No. 226,639. (CLASS 17. TOBACCO PRODUCTS.) CUESTA, REY & COMPANY, Tampa, Fla. Filed Jan. 30, 1926.

CU-REY

No claim is made to the name "Rey" except as associated with the abbreviation "Cu."
Particular description of goods.—Cigars.
Claims use since Feb. 1, 1925.

Ser. No. 226,660. (CLASS 2. RECEPTACLES.) WILLIAM C. KELLY, Orangeburg, S. C. Filed Jan. 30, 1926.

"SOUTHERN HEARTS"

Particular description of goods.—Small Empty Receptacles Formed of Paper, Cardboard, or Other Suitable Material and Adapted for Holding an Edible Food Product.
Claims use since Jan. 1, 1926.

Ser. No. 226,720. (CLASS 39. CLOTHING.) JENS C. FONNESBECK, doing business as Fonnesbeck Knitting Works, Logan City, Utah. Filed Feb. 1, 1926.

UTA-NIT

No claim is made to the exclusive use of the word "Nit" aside from the mark shown.
Particular description of goods.—Knitted Underwear.
Claims use since Dec. 1, 1925.

Ser. No. 226,734. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NOVOX LABORATORIES, INC., New York, N. Y. Filed Feb. 1, 1926.

NOVOX

Particular description of goods.—Sanitary Napkins.
Claims use since Oct. 1, 1925.

Ser. No. 226,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEO F. RETTGER, New Haven, Conn. Filed Feb. 1, 1926.

Particular description of goods.—Cultured Milk and Cultures Used in Making Cultured Milk.
Claims use since Jan. 19, 1926.

Ser. No. 226,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALENTINE'S MEAT-JUICE COMPANY, Richmond, Va. Filed Feb. 1, 1926.

Particular description of goods.—Extracts of Meat and Compounds Thereof.
Claims use since 1871.

Ser. No. 226,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALENTINE'S MEAT-JUICE COMPANY, Richmond, Va. Filed Feb. 1, 1926.

Mann S. Valentine

The mark consists of the facsimile signature of applicant's founder and predecessor Mann S. Valentine (deceased).
Particular description of goods.—Extracts of Meats and Compounds Thereof.
Claims use since 1871.

Ser. No. 226,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. & A. OPLER INC., Chicago, Ill. Filed Feb. 2, 1926.

The representation of the woman is fanciful.
Particular description of goods.—Cocoa and Chocolate.
Claims use since December, 1922.

Ser. No. 226,799. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. W. BAYLIS CO., New York, N. Y. Filed Feb 3, 1926.

RAMOHAIR

Particular description of goods.—Woven Fabrics of Silk, Artificial Silk, Cotton, and Wool and Combinations Thereof.
Claims use since Jan. 6, 1926.

Ser. No. 226,801. (CLASS 2. RECEPTACLES.) JOHN E. BULWINKLE, doing business as Litex Inc., Charleston, S. C. Filed Feb. 3, 1926.

Litex

Particular description of goods.—Metal Trash Containers.
Claims use since May 21, 1925.

Ser. No. 226,836. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) UNITED DRUG COMPANY, Boston, Mass. Filed Feb. 3, 1926.

Gauzets

Particular description of goods.—Sanitary Napkins.
Claims use since June, 1915.

Ser. No. 226,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES BENJ. PFAFF, doing business as Paff Laboratories, Detroit, Mich. Filed Feb. 4, 1926.

Elpam

"Elpam."
Particular description of goods.—Flavors for Cakes, Icings, Fillings, Jellies, Ice Creams, Desserts, etc.
Claims use since March, 1925.

Ser. No. 226,866. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Feb. 4, 1926.

Particular description of goods.—Title for Daily Comic Strip in Evening World Newspaper.
Claims use since Nov. 3, 1925.

Ser. No. 226,877. (CLASS 39. CLOTHING.) THE BIESENTHAL-JOHNSTON CO., New York, N. Y. Filed Feb. 5, 1926.

Missteen

Trade-mark consists of the word "Missteen."
Particular description of goods.—Size in Between Misses' and Juniors' Dresses Made of Silk, Cotton, Wool, Linen, Satin, and Velvet Material.
Claims use since Jan. 21, 1926.

Ser. No. 226,878. (CLASS 39. CLOTHING.) THE BIESENTHAL-JOHNSTON CO., New York, N. Y. Filed Feb. 5, 1926.

Twelveteen

"Twelveteen."
Particular description of goods.—Size in Between Juniors' and Children's Dresses Made of Silk, Cotton, Wool, Linen, and Satin Materials.
Claims use since Jan. 21, 1926.

Ser. No. 226,895. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOULD STORAGE BATTERY COMPANY, INC., New York, N. Y. Filed Feb. 5, 1926.

UNIPOWER

Particular description of goods.—Current-Supply Devices for Radio Receiving Sets and Storage-Battery-Charging Sets.
Claims use since June 4, 1923.

Ser. No. 226,928. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE UTILITY CO., INC., New York, N. Y. Filed Feb. 5, 1926.

GRE-SOLVENT

Particular description of goods.—Compound for Cleansing the Skin, Fabrics, and the Surfaces of Glass, Metal, Stone and Woodenware.
Claims use since Feb. 5, 1909.

Ser. No. 226,962. (CLASS 37. PAPER AND STATIONERY.) A. R. MELKER, New York, N. Y. Filed Feb. 6, 1926.

SANI-SAVE

Particular description of goods.—Paper Napkins and Paper Towels.
Claims use since Nov. 15, 1925.

Ser. No. 227,004. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CONSOLIDATED PUMP CO., Toledo, Ohio. Filed Feb. 8, 1926.

RED HEAD

Particular description of goods.—Ladders.
Claims use since Jan. 1, 1916.

Ser. No. 227,017. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HOLLY STOVER, INCORPORATED, Chicago, Ill. Filed Feb. 8, 1926.

LIBERTY

Particular description of goods.—Coal.
Claims use since Dec. 15, 1925.

Ser. No. 227,024. (CLASS 5. ADHESIVES.) I. F. LAUCKS, INC., Seattle, Wash. Filed Feb. 8, 1926.

LAUXEIN

Particular description of goods.—Glue.
Claims use since Oct. 6, 1925.

Ser. No. 227,032. (CLASS 12. CONSTRUCTION MATERIALS.) THE OHIO CLAY COMPANY, Cleveland, Ohio. Filed Feb. 8, 1926.

LOK-BON

Particular description of goods.—Tile and Brick.
Claims use since Feb. 2, 1926.

Ser. No. 227,040. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY P. ROCKWELL COMPANY, Hartford, Conn. Filed Feb. 8, 1926.

VOLCRIT

Particular description of goods.—Dilatometers.
Claims use since Jan. 28, 1926.

Ser. No. 227,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER CANDY COMPANY, Chicago, Ill. Filed Feb. 9, 1926.

Particular description of goods.—Candy.
Claims use since Oct. 31, 1925.

Ser. No. 227,081. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NATIONAL AUTOMATIC BURNER COMPANY, Seattle, Wash. Filed Feb. 9, 1926.

NABCO

Particular description of goods.—Oil Burners.
Claims use since Sept. 1, 1925.

Ser. No. 227,097. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Filed Feb. 9, 1926.

Pin Jack

Particular description of goods.—Voltmeters.
Claims use since Dec. 7, 1925.

Ser. No. 227,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PACQUE, INC., New York, N. Y. Filed Feb. 9, 1926.

Ice Pacque

Particular description of goods.—Astringent Cosmetics.
Claims use since Dec. 31, 1925.

Ser. No. 227,106. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BROWN-BROCKMEYER CO., INC., Dayton, Ohio. Filed Feb. 10, 1926.

B-LINE

Particular description of goods.—Electric Motors.
Claims use since Aug. 15, 1925.

Ser. No. 227,120. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY GARDNER & CO. LIMITED, London, England. Filed Feb. 10, 1926.

ATLAS

Particular description of goods.—Raw and Partly-Prepared India Rubber.
Claims use since Aug. 1, 1922.

Ser. No. 227,169. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC SERVICE SUPPLIES COMPANY, Philadelphia, Pa. Filed Feb. 11, 1926.

"PROTEX"

Particular description of goods.—Lightning Arresters.
Claims use since about July 25, 1925.

Ser. No. 227,172. (CLASS 12. CONSTRUCTION MATERIALS.) THE FUSETITE CORPORATION, Ebensburg, Pa. Filed Feb. 11, 1926.

Fusetite

Particular description of goods.—Cement.
Claims use since April, 1922.

Ser. No. 227,176. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HARRISON BRUSH COMPANY, Philadelphia, Pa. Filed Feb. 11, 1926.

DULAC

"Dulac."
Particular description of goods.—Brushes Especially Adapted for Applying Paint, Varnish, Enamel, Lacquer and Similar Finishes.
Claims use since Dec. 23, 1925.

Ser. No. 227,177. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOSEPH L. HERZOG & CO. New York, N. Y. Filed Feb. 11, 1926.

WHITE ROSE

Particular description of goods.—Finger Rings.
Claims use since April, 1921.

Ser. No. 227,181. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA LYSINE FORNARI INTERNATIONAL AMERICAN CORPORATION, Boston, Mass. Filed Feb. 11, 1926.

La Lysine

Particular description of goods.—Face and Hand Lotion, After-Shaving Lotion, Preparation for Use in Shampooing, Cold Cream, Vanishing Cream, Disinfectant Preparation, Germicidal Preparation, and Antiseptic Preparation.
Claims use since Aug. 1, 1925.

Ser. No. 227,185. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NORTH EAST ELECTRIC COMPANY, Rochester, N. Y. Filed Feb. 11, 1926.

Particular description of goods.—Electric Signal Horns.
Claims use since Dec. 1, 1925.

Ser. No. 227,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. IGNACE J. REIS' PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 11, 1926.

PEDI-DUST

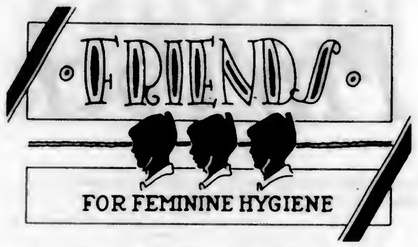
The word "Dust" appearing in the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Powdered Preparation Used for the Purpose of Preventing Excessive Perspiration of the Feet and Cracking of the Skin Between the Toes.
Claims use since Jan. 5, 1925.

Ser. No. 227,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. IGNACE J. REIS' PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 11, 1926.

PEDI-BALM

Applicant disclaims the word "Balm."
Particular description of goods.—Powdered Preparation Used for the Purpose of Healing Inflamed, Feverish, and Swollen Feet.
Claims use since Jan. 5, 1925.

Ser. No. 227,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SANFORD WILLIAMS FRENCH, M. D., Brooklyn, N. Y. Filed Feb. 12, 1926.



The expression "For Feminine Hygiene" is disclaimed apart from the mark shown. The mark comprises the word "Friends" distinctively displayed in manner shown and the representation of the heads of three friends.
Particular description of goods.—Preparation for the Treatment of Leucorrhea and Other Infections of the Female.
Claims use since Sept. 15, 1925.

Ser. No. 227,230. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GALVIN ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Feb. 12, 1926.

Particular description of goods.—Electric Fans.
Claims use since July 14, 1925.

Ser. No. 227,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RADIUM EMANATION CORPORATION, New York, N. Y. Filed Feb. 12, 1926.

Particular description of goods.—Radium, Including Radium Emanation.
Claims use since Feb. 1, 1926.

Ser. No. 227,266. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Feb. 13, 1926.

TEMCO

Particular description of goods.—Fishing Reels.
Claims use since Feb. 1, 1926.

Ser. No. 227,282. (CLASS 12. CONSTRUCTION MATERIALS.) VICTOR OOLITIC STONE COMPANY, Kankakee, Ill. Filed Feb. 13, 1926.

Particular description of goods.—Stone for Building or Other Purposes.
Claims use since July 1, 1925.

Ser. No. 227,299. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Feb. 15, 1926.

RADIA-TIZED

Particular description of goods.—Photographic Film.
Claims use since on or about Feb. 3, 1926.

Ser. No. 227,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI S. LEFFLER, doing business as Leffler & Co., St. Louis, Mo. Filed Feb. 15, 1926.

SWEET MAMMA

Particular description of goods.—Face Lotions.
Claims use since about May 1, 1924.

Ser. No. 227,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS PASSEN-STEIN, doing business as Peach Bloom Products Company, Chicago, Ill. Filed Feb. 15, 1926.

Particular description of goods.—Beauty Clay for the Complexion.
Claims use since Jan. 20, 1926.

Ser. No. 227,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DEWALT PRODUCTS CO., Leola, Pa. Filed Feb. 16, 1926.

WONDER-WORKER

Particular description of goods.—Woodworking Machinery and Parts Thereof.
Claims use since about Feb. 4, 1926.

Ser. No. 227,370. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SAMUEL MICHAEL SCHENKEIN, Newark, N. J. Filed Feb. 16, 1926.

TYPIST

Particular description of goods.—Metal Rule Suitable for Use As a Paper Weight, Gauge, Straightedge, and Line Guide.
Claims use since Jan. 21, 1926.

Ser. No. 227,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. PRAECHTL, Pine Hill, Buffalo, N. Y. Filed Feb. 16, 1926.

MASTER

Particular description of goods.—Healing Salve.
Claims use since May 1, 1923.

Ser. No. 227,391. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH COLEY, Detroit, Mich. Filed Feb. 17, 1926.

MEMO RENE

Particular description of goods.—Remedy for Hemorrhoids.
Claims use since Aug. 1, 1925.

Ser. No. 227,406. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Feb. 17, 1926.

Acme

Particular description of goods.—Wire Fence.
Claims use since on or about July, 1925.

Ser. No. 227,407. (CLASS 38. PRINTS AND PUBLICATIONS.) THE METRONOME PUBLISHING CO. INC., New York, N. Y. Filed Feb. 17, 1926.

THE METRONOME

Particular description of goods.—Name of a Semi-Monthly Magazine.
Claims use since July 1, 1895.

Ser. No. 227,409. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MILTON PIANO COMPANY, New York, N. Y. Filed Feb. 17, 1926.

Peter Pan

Particular description of goods.—Pianos.
Claims use since Dec. 31, 1925.

Ser. No. 227,410. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MUSICAL OBSERVER CO. INC., New York, N. Y. Filed Feb. 17, 1926.

THE MUSICAL OBSERVER

Particular description of goods.—Name of a Monthly Magazine.
Claims use since July 1, 1910.

Ser. No. 227,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Feb. 17, 1926.

PERSANA

Particular description of goods.—Cosmetics, Pastes, Powders, and Toilet Preparations for Beautifying and Preserving the Skin, Teeth, and Hair, and Perfumery.
Claims use since July, 1911.

Ser. No. 227,445. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich. Filed Feb. 18, 1926.

DIALOY

Particular description of goods.—Appliances for Cleaning Boilers.
Claims use since about Jan. 10, 1926.

Ser. No. 227,446. (CLASS 5. ADHESIVES.) DON Q MFG. CO., Superior, Wis. Filed Feb. 18, 1926.

Particular description of goods.—Puncture-Seal Liquids.
Claims use since Feb. 15, 1926.

Ser. No. 227,453. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed Feb. 18, 1926.

Flexa-Pearl

Particular description of goods.—Wrist-Watch Bracelets and Sautoirs.
Claims use since Jan. 2, 1926.

Ser. No. 227,492. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALEXANDER INDUSTRIES, INC., Englewood, Colo. Filed Feb. 19, 1926.

AFCO.

Particular description of goods.—Advertising and Publicity Motion-Picture Films.
Claims use since Jan. 5, 1919.

Ser. No. 227,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

PRIÈRE

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Jan. 25, 1926.

Ser. No. 227,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

RAJÉ

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Dec. 10, 1925.

Ser. No. 227,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

DAREIS

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since July 25, 1925.

Ser. No. 227,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

NOIREISE

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Nov. 10, 1925.

Ser. No. 227,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

DUVINNE

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Sept. 25, 1925.

Ser. No. 227,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

SARDOUX

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Feb. 10, 1926.

Ser. No. 227,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

LAVERNE

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Jan. 25, 1926.

Ser. No. 227,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Feb. 19, 1926.

ROUGET

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powder.
Claims use since Jan. 20, 1926.

Ser. No. 227,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAFFAELE DE ANGELIS, doing business as Thymoform Company, Providence, R. I. Filed Feb. 19, 1926.

Thymoform

Particular description of goods.—Disinfectant.
Claims use since Dec. 1, 1925.

Ser. No. 227,513. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FLEXLUME CORPORATION, Tonawanda, N. Y. Filed Feb. 19, 1926.

FLEXRAY

Particular description of goods.—Electrically-Illuminated Signs.
Claims use since July 22, 1925.

Ser. No. 227,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN G. MARSHALL, Brooklyn, N. Y. Filed Feb. 19, 1926.

BANQUET

Particular description of goods.—Photographic Flashlight Powder.
Claims use since Mar. 6, 1924.

Ser. No. 227,528. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Filed Feb. 19, 1926.

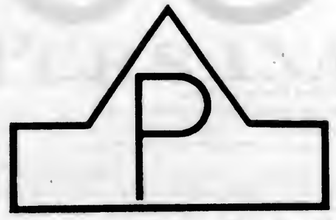
Particular description of goods.—Ginger Ale.
Claims use since Feb. 1, 1926.

Ser. No. 227,531. (CLASS 2. RECEPTACLES.) NOMAD KIT BAG CO., INC., New York, N. Y. Filed Feb. 19, 1926.

NOMAD

Particular description of goods.—Collapsible Cardboard Paper Bags.
Claims use since Apr. 29, 1925.

Ser. No. 227,533. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEAK MOTOR PRODUCTS COMPANY, INC., Brooklyn, N. Y. Filed Feb. 19, 1926.



Particular description of goods.—Automobile Ignition Parts—Namely, Brushes, Rotors, Distributor Heads, Points, Springs, Battery Parts, Fiber, Bulbs, Lamps, Keys, Cable, Plugs, and Sockets
Claims use since Feb. 18, 1926.

Ser. No. 227,539. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPRACO PAINTING EQUIPMENT COMPANY, Boston, Mass. Filed Feb. 19, 1926.

LOBSTER CLAW

Particular description of goods.—Straightedge-Forming Attachment for Spray Guns.
Claims use since Jan. 28, 1926.

Ser. No. 227,546. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. Filed Feb. 19, 1926.

ZINKALOID

Particular description of goods.—Galvanized or Zinc-Coated Wire Screen Cloth, Wire Fabric, and Wire Netting.
Claims use since Dec. 30, 1925.

Ser. No. 227,557. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK ALU, Chicago, Ill. Filed Feb. 20, 1926.

Lemoneena

Particular description of goods.—Purgative.
Claims use since Dec. 14, 1925.

Ser. No. 227,586. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y. Filed Feb. 20, 1926.

TRIM

Particular description of goods.—Bronze Sheets.
Claims use since Feb. 5, 1923.

Ser. No. 227,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, Johnson City, Tenn. Filed Feb. 20, 1926.

"KITCHEN-TESTED"

Particular description of goods.—Plain Wheat Flour and Self-Rising Flour.
Claims use since about Dec. 15, 1925.

Ser. No. 227,595. (CLASS 39. CLOTHING.) MYERS HATS INC., New York, N. Y. Filed Feb. 20, 1926.

Miami

Particular description of goods.—Ladies' Hats.
Claims use since about November, 1924.

Ser. No. 227,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Feb. 20, 1926.

TIGER

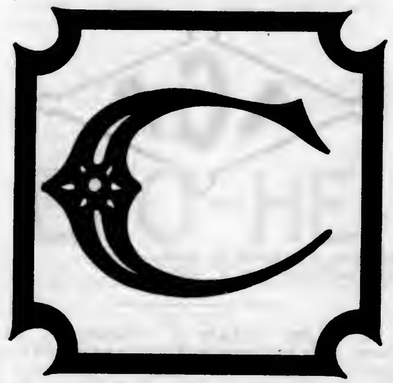
Particular description of goods.—Rolled Oats.
Claims use since July 28, 1898.

Ser. No. 227,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. A. WALDREP, Tulsa, Okla. Filed Feb. 20, 1926.

"Tulsa Maid"

Registration of the word "Tulsa" is not claimed apart from the rest of the mark.
Particular description of goods.—Candy and Chocolates.
Claims use since 1916.

Ser. No. 227,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN HENRY CRIPPEN, doing business as Crippen Medicine Company, Wichita, Kans. Filed Feb. 23, 1926.



Particular description of goods.—Compound for Rheumatism.
Claims use since 1896.

Ser. No. 227,691. (CLASS 25. LOCKS AND SAFES.) THE SHAW-WALKER COMPANY, Muskegon, Mich. Filed Feb. 23, 1926.

Executive

Particular description of goods.—Safes.
Claims use since Feb. 9, 1926.

Ser. No. 227,721. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEFIANCE MANUFACTURING COMPANY, Barrowsville, Mass. Filed Feb. 24, 1926.

PERMATONE

"Permatone."
Particular description of goods.—Dyes and Colors.
Claims use since Dec. 1, 1925.

Ser. No. 227,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASPEGREN & Co., INC., New York, N. Y. Filed Feb. 25, 1926.

Crackerjack

"Crackerjack."

Particular description of goods.—Lard Substitutes in the Nature of Solid Cooking Fat for Shortening and Frying Mediums.

Claims use since Feb. 1, 1922.

Ser. No. 227,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC COAST POULTRY PRODUCERS ASSOCIATION, New York, N. Y. Filed Feb. 25, 1926.

ACA

Particular description of goods.—Eggs.

Claims use since Dec. 1, 1925.

Ser. No. 227,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT W. GARDNER, doing business as Battery Recharge Co., Los Angeles, Calif. Filed Feb. 25, 1926.

Particular description of goods.—Storage-Battery Filling and Recharging Liquid Solution.

Claims use since Apr. 1, 1925.

Ser. No. 227,784. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR GILBERT, doing business as Gilbert Laboratories, Morristown, N. J. Filed Feb. 25, 1926.

EUDO

Particular description of goods.—Medicinal Preparation of Paramethylguaiacol for Use by Internal Administration and by Inhalation With Steam for the Treatment of Phthisis, Fevers, and Respiratory Affections.

Claims use since Oct. 10, 1924.

Ser. No. 227,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR GILBERT, doing business as Gilbert Laboratories, Morristown, N. J. Filed Feb. 25, 1926.

OROL

Particular description of goods.—Compound of Guaiacol Used for the Treatment of Pyorrhea, Canker, Toothache, and Sore Gums.

Claims use since Nov. 3, 1924.

Ser. No. 227,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. HAMMOND COMPANY, Chicago, Ill. Filed Feb. 25, 1926.

Calumet

Particular description of goods.—Oleomargarine.

Claims use since Sept. 29, 1913.

Ser. No. 227,794. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926.

"Dunberry"

Particular description of goods.—Men's and Boys' Suits and Overcoats.

Claims use since Mar. 28, 1924.

Ser. No. 227,802. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID LEE, doing business as Memphis Sanitary Products Corporation, Memphis, Tenn. Filed Feb. 25, 1926.

MALDEZONE

Particular description of goods.—Germicidal Preparations for Use as Disinfectants, Deodorants, and Insecticides.

Claims use since 1922.

Ser. No. 227,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL PIGMENTS & CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 25, 1926.

BAROID

Particular description of goods.—Barytes (Barium Sulphate) adapted particularly in the Making of a Mud-Laden Fluid for Oil Wells.

Claims use since Jan. 22, 1926.

Ser. No. 227,824. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JACOB BLACKMAN, doing business as Premo Drug & Novelty Co., New York, N. Y. Filed Feb. 26, 1926.

Trans-o

Particular description of goods.—Nursing-Bottle Nipples.

Claims use since Jan. 18, 1926.

Ser. No. 227,855. (CLASS 6. CHEMICAL, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHIMMEL & Co., Miltitz, near Leipzig, Germany. Filed Feb. 26, 1926.

Fixoresin

Particular description of goods.—Perfumes, Essential Oils, Synthetic Perfume Materials, Ethereal Oils, and Perfume Bases.

Claims use since Oct. 21, 1925.

Ser. No. 227,864. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) W. N. STEVENSON & Co., New York, N. Y. Filed Feb. 26, 1926.

THE Handikup

Particular description of goods.—Umbrellas and Umbrella Handles.

Claims use since January, 1926.

Ser. No. 227,868. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio. Filed Feb. 26, 1926.

COPPEROID

Particular description of goods.—Steel Plates.

Claims use since June, 1918.

Ser. No. 227,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELIX OSCAR HEINEMANN, Stockholm, Wis. Filed Feb. 27, 1926.

EFO-HEI

Particular description of goods.—Medicine in Liquid Form to Relieve Disturbances Such As Cancer, Ulcer, and Old Sores.

Claims use since April, 1925.

Ser. No. 227,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Mar. 1, 1926.

Particular description of goods.—Insecticidal Compositions.

Claims use since Jan. 1, 1921.

Ser. No. 227,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. C. RICH, INC., New York, N. Y. Filed Mar. 1, 1926. Under ten-year proviso.

GIBSON'S

Particular description of goods.—Fruit-Flavored Tablets.
Claims use since 1887.

Ser. No. 227,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 1, 1926.

Scabicide

Particular description of goods.—Ointment for Treatment of Skin Diseases.
Claims use since July 1, 1924.

Ser. No. 228,003. (CLASS 39. CLOTHING.) THE MANHATTAN SHIRT CO., New York, N. Y. Filed Mar. 2, 1926.

MANSCO

Particular description of goods.—Textile Underwear—Namely, Shirts, Drawers, and Union Suits.
Claims use since June 16, 1915.

Ser. No. 228,023. (CLASS 39. CLOTHING.) LOUIS BASKIND, New York, N. Y. Filed Mar. 3, 1926.

TICONDEROGA

Particular description of goods.—Men's and Boys' Negligee, Dress, and Work Shirts, including Flannel, Cotton, Wool, and All-Wool Shirts, and Pyjamas for Men and Boys.
Claims use since October, 1925.

Ser. No. 228,035. (CLASS 39. CLOTHING.) MARGARET HAMILTON, Memphis, Tenn. Filed Mar. 3, 1926.

Kahira

Particular description of goods.—Bathing Caps.
Claims use since Jan. 14, 1926.

Ser. No. 228,066. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EUGENE PINKUS, New York, N. Y. Filed Mar. 3, 1926.

EAGLE

Particular description of goods.—Hypodermic Syringes.
Claims use since Dec. 26, 1924.

Ser. No. 228,087. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CRONITE FOUNDRY COMPANY LIMITED, London, England. Filed Mar. 4, 1926.

CRONITE

Particular description of goods.—Metal and Alloys of Metal.
Claims use since September, 1919.

Ser. No. 228,089. (CLASS 10. FERTILIZERS.) ALBERT DICKMAN, Philadelphia, Pa. Filed Mar. 4, 1926.

Particular description of goods.—Fertilizer Manufactured and Compounded for Use in the Growing of House Plants and Plants in Pots and Other Receptacles.
Claims use since Feb. 1, 1925.

Ser. No. 228,112. (CLASS 39. CLOTHING.) PHILIP KAPOURE, doing business as Indianapolis Hosiery Company, Indianapolis, Ind. Filed Mar. 4, 1926.

HONOR TEX

Particular description of goods.—Hosiery.
Claims use since about Sept. 1, 1925.

Ser. No. 228,219. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUISE BINSFELD, doing business as L. Robert, New York, N. Y. Filed Mar. 6, 1926.

No claim is made to the word "Favorite" apart from the mark as shown on the drawing.
Particular description of goods.—Hair-Removing Cream.
Claims use since June, 1925.

Ser. No. 228,226. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CALEDONIA CELLULOSE COMPANY, INC., New York, N. Y. Filed Mar. 6, 1926.

SANTO

"Santo."
Particular description of goods.—Sanitary Napkins.
Claims use since November, 1925.

Ser. No. 228,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL B. FOY, New York, N. Y. Filed Mar. 6, 1926.

MYETTE

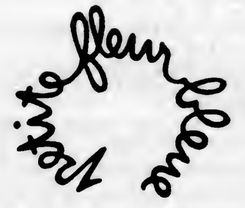
Particular description of goods.—Beauty Preparations—Namely, Face Powders, Toilet Waters, Face Creams, Massage Creams, Rouge, Lip Stick, Eyebrow Pencils, Skin Lotions, Sachets, Bath Salts, Lavender Water, and Verveine Water, and Hair Preparations—Namely, Hair Tonics, Shampoos, Pomades, and Brilliantines, Liquid and Crystallized.
Claims use since February, 1926.

Ser. No. 228,236. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GODET INC., New York, N. Y. Filed Mar. 6, 1926.

TRÉSOR DE JASMIN

Particular description of goods.—Perfumes.
Claims use since about 1921.

Ser. No. 228,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GODET INC., New York, N. Y. Filed Mar. 6, 1926.



Particular description of goods.—Perfumes.
Claims use since about 1921.

Ser. No. 228,271. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT ROMANOFF, doing business as Roco Co., New York, N. Y. Filed Mar. 6, 1926.

RoCoCo

Particular description of goods.—Coconut-Oil Pomade.
Claims use since Jan. 16, 1926.

Ser. No. 228,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed Mar. 8, 1926.

Risque

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Sachets, and Incenses.
Claims use since Mar. 2, 1926.

TRADE-MARK REGISTRATIONS GRANTED

APRIL 13, 1926.

[ACT OF FEBRUARY 20, 1905.]

211,368. COLD CREAM AND CLEANSING CREAM. DR. C. H. BERRY COMPANY, Chicago, Ill.
Filed August 18, 1925. Serial No. 219,026. PUBLISHED NOVEMBER 3, 1925.

211,369. EGGS. FRESNO POULTRYMENS COOPERATIVE ASSOCIATION, Fresno, Calif.
Filed October 5, 1925. Serial No. 221,251. PUBLISHED JANUARY 26, 1926.

211,370. INK ERADICATORS. ROSA M. FINGERHUT, doing business as The H. A. Ink Eradicator Co., New York, N. Y.
Filed November 25, 1925. Serial No. 223,841. PUBLISHED JANUARY 26, 1926.

211,371. INNER-TUBE PATCHING. JOHN F. MCLEOD, doing business as Old Walnut Tube Patch Co., Hendersonville, N. C.
Filed October 10, 1925. Serial No. 221,559. PUBLISHED JANUARY 26, 1926.

211,372. THREAD. STANDARD THREAD COMPANY, New York, N. Y.
Filed October 17, 1925. Serial No. 221,931. PUBLISHED FEBRUARY 2, 1926.

211,373. PLOWS AND PLOW PARTS. THE COLLINS COMPANY, Collinsville, Conn.
Filed October 28, 1925. Serial No. 222,442. PUBLISHED JANUARY 19, 1926.

211,374. HIGH-BLOOD-PRESSURE TABLETS, INDIGESTION TABLETS, AND A SALINE LAXATIVE COMPOUND. ARTHUR LUDOVIC DUPLANTIS, Chicago, Ill.
Filed October 28, 1925. Serial No. 222,445. PUBLISHED JANUARY 26, 1926.

211,375. VARIOUS NAMED WOMEN'S, GIRLS', AND MISSES' UNDERGARMENTS AND CLOTHING. WOODWARD & LOTHROP, Washington, D. C.
Filed November 6, 1925. Serial No. 222,974. PUBLISHED JANUARY 26, 1926.

211,376. CIGARS. CYRIEL BREYNAERT, doing business as C. Breynaert Co., Medford, Mass.
Filed November 12, 1925. Serial No. 223,161. PUBLISHED FEBRUARY 2, 1926.

211,377. FRESH APPLES AND FRESH PEARS. DUCKWALL BROS., Hood River, Oreg.
Filed November 12, 1925. Serial No. 223,164. PUBLISHED JANUARY 26, 1926.

211,378. CIGARETTES. CONTINENTAL TOBACCO COMPANY, INC., New York, N. Y.
Filed November 13, 1925. Serial No. 223,216. PUBLISHED FEBRUARY 2, 1926.

211,379. MASSAGE CREAM, COLD CREAM, PERFUMERY EXTRACTS, SACHET POWDER, FACE POWDER, TOILET WATER, NAIL POWDER, NAIL ENAMEL, TOILET ROUGE, EYEBROW PENCIL, HAND LOTIONS, CLEANSING CREAM, VANISHING CREAM, BATH CRYSTALS, BRILLIANTINE, TALCUM POWDER, COMPACTS, DEPILATORY, DEODORANT, AND LIP STICK. WOODWARD & LOTHROP, Washington, D. C.
Filed November 13, 1925. Serial No. 223,269. PUBLISHED JANUARY 26, 1926.

211,380. ICE PICKS. FLETCHER WORKS INCORPORATED, Philadelphia, Pa.
Filed November 14, 1925. Serial No. 223,291. PUBLISHED JANUARY 26, 1926.

211,381. BATH SALTS, FACE POWDER, TALCUM POWDER, SHAMPOO SOLUTION, PERFUME, TOILET WATER, COLD CREAM, VANISHING CREAM, COMPACT POWDER, ROUGE COMPACT, AND LIP STICKS. THE KOLYNOS CO., New Haven, Conn.
Filed November 30, 1925. Serial No. 224,027. PUBLISHED JANUARY 26, 1926.

211,382. TOILET WATER, PERFUME, SACHET, FACE CREAMS, AND TOILET POWDER. ROMOLA PARFUMERIE, INC., Chicago, Ill.
Filed December 4, 1925. Serial No. 224,265. PUBLISHED JANUARY 26, 1926.

211,383. FACE LOTIONS. ALFRED J. KRANK, doing business as A. J. Krank Manufacturing Company, St. Paul, Minn.
Filed December 7, 1925. Serial No. 224,338. PUBLISHED FEBRUARY 2, 1926.

211,384. POWDERED PAINT DISINFECTANT. NATIONAL POWDER PAINT CO., Minneapolis, Minn.
Filed December 7, 1925. Serial No. 224,343. PUBLISHED FEBRUARY 2, 1926.

211,385. PREPARATION USED IN THE TREATMENT OF TUBERCULOSIS AND ASTHMA. PADDY AND THEODORE, Los Angeles, Calif.
Filed December 7, 1925. Serial No. 224,349. PUBLISHED FEBRUARY 2, 1926.

211,386. CANNED FRUITS AND CANNED VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed December 14, 1925. Serial No. 224,682. PUBLISHED JANUARY 26, 1926.

211,387. GREEN COFFEE. LEON ISRAEL & BROS. INC., New York, N. Y.
Filed December 15, 1925. Serial No. 224,709. PUBLISHED JANUARY 26, 1926.

211,388. CERTAIN COOKING UTENSILS. THE WAGNER MANUFACTURING COMPANY, Sidney, Ohio.
Filed November 11, 1925. Serial No. 223,147. PUBLISHED JANUARY 19, 1926.

211,389. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed December 7, 1925. Serial No. 224,369. PUBLISHED JANUARY 19, 1926.

211,390. CANNED SALMON AND CANNED FRUITS AND CANNED VEGETABLES. SEUFERT BROTHERS COMPANY, The Dalles, Oreg.
Filed December 8, 1925. Serial No. 224,429. PUBLISHED JANUARY 19, 1926.

211,391. CANNED FRUITS AND CANNED VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed December 14, 1925. Serial No. 224,683. PUBLISHED JANUARY 26, 1926.

211,392. CANNED SALMON. MCGOVERN & MCGOVERN, Seattle, Wash.
Filed December 7, 1925. Serial No. 224,342. PUBLISHED JANUARY 19, 1926.

211,393. SILK, WOOL, COTTON, AND LEATHER GLOVES. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed December 5, 1925. Serial No. 224,284. PUBLISHED JANUARY 19, 1926.

211,394. CORSETS, GIRDLES, AND BRASSIÈRES. EDWARD B. KOCH, doing business as "The Corset Shop", New Haven, Conn.
Filed December 4, 1925. Serial No. 224,250. PUBLISHED JANUARY 19, 1926.

211,395. SWEETENED CONDENSED MILK. D. L. STERLING & SONS, INC., doing business as Criandera Condensed Milk Company, New York, N. Y., and Habana, Cuba.
Filed November 24, 1925. Serial No. 223,810. PUBLISHED JANUARY 19, 1926.

211,396. MALT SIRUP FOR FOOD PURPOSES. ELCO DISTRIBUTING CO., Chicago, Ill.
Filed November 23, 1925. Serial No. 223,697. PUBLISHED JANUARY 19, 1926.

211,397. ALIMENTARY PASTE PRODUCTS — NAMELY, NOODLES, SPAGHETTI, MACARONI, AND RAVIOLAS. GOLDEN GATE MACARONI & PASTE FACTORY, San Francisco, Calif.
Filed November 21, 1925. Serial No. 223,638. PUBLISHED JANUARY 19, 1926.

211,398. FOOD SIRUP. WALTER BLAIR RODDENBERY, Cairo, Ga.
Filed November 16, 1925. Serial No. 223,414. PUBLISHED JANUARY 19, 1926.

211,399. SANDWICHES, PIES, AND CAKE. PENN AUTOMATIC SERVICE COMPANY, INC., Pittsburgh, Pa.
Filed November 13, 1925. Serial No. 223,254. PUBLISHED JANUARY 12, 1926.

211,400. TEXTILES IN THE PIECE OF SILK OR SILK MIXTURES. C. K. EAGLE & CO. INC., Shamokin, Pa., and New York, N. Y.
Filed November 13, 1925. Serial No. 223,220. PUBLISHED JANUARY 12, 1926.

211,401. DENTAL EXERCISER. RAFAEL DEL CASTILLO, Jr., New York, N. Y.
Filed November 13, 1925. Serial No. 223,217. PUBLISHED JANUARY 12, 1926.

211,402. WIRE FENCING, AND PARTICULARLY WOVEN-WIRE FENCING. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., and Worcester, Mass.
Filed December 21, 1925. Serial No. 224,943. PUBLISHED FEBRUARY 2, 1926.

211,403. WOVEN TRUNK STRAPS, WOVEN RAZOR STROPS, WOVEN SKATE STRAPS, AND WOVEN BAG STRAPS. BUFFALO WEAVING & BELTING CO., Buffalo, N. Y.
Filed August 24, 1920. Serial No. 136,391. PUBLISHED NOVEMBER 24, 1925.

211,404. GAS HOT-WATER HEATERS AND GAS HOT-WATER-STORAGE SYSTEMS. PITTSBURGH WATER HEATER COMPANY, Pittsburgh, Pa.
Filed October 4, 1924. Serial No. 203,436. PUBLISHED DECEMBER 22, 1925.

211,405. WOVEN COTTON GOODS AND SILK AND COTTON GOODS. FAIRFAX TEXTILE MILLS, INC., New York, N. Y.
Filed October 16, 1924. Serial No. 203,944. PUBLISHED FEBRUARY 2, 1926.

211,406. RUBBER AUTOMOBILE TIRES, RUBBER INNER TUBES, AND RUBBER PATCH MATERIAL. SHURWYN TIRE & RUBBER CO., St. Louis, Mo.
Filed November 10, 1924. Serial No. 205,099. PUBLISHED JANUARY 26, 1926.

211,407. JELLIES, JAMS, FRUIT BUTTERS, FRUIT AND BERRY PRESERVES, AND PICKLES. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,792. PUBLISHED JANUARY 26, 1926.

211,408. GOODS IN THE PIECE—VIZ, SILK, COTTON, AND ARTIFICIAL-SILK FABRICS AND MIXTURES OF THE SAME. HILLCREST SILK MILLS, West New York, N. J., and New York, N. Y.
Filed December 6, 1924. Serial No. 206,352. PUBLISHED DECEMBER 1, 1925.

211,409. WILLOW, REED, RATTAN, RAFFIA, AND SPOOL-FIBER SETTEES, COUCHES, BENCHES, CHAISE LONGUES, CHAIRS, ROCKERS, TABLES, FERNERIES, BIRD CAGES, DESKS, TEA WAGONS, FLOWER STANDS, RADIATOR COVERS, HAT-RACKS, SCREENS, BOOKCASES, TELEPHONE STANDS, TELEPHONE STOOLS, SMOKING STANDS, AND DAY BEDS. UNIVERSAL WILLOW AND REED WARE COMPANY INCORPORATED, Long Island City, N. Y.
Filed February 5, 1925. Serial No. 209,149. PUBLISHED JANUARY 26, 1926.

211,410. WRITING AND PRINTING PAPERS, CARDS, AND ENVELOPES. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass.
Filed February 28, 1925. Serial No. 210,329. PUBLISHED JANUARY 26, 1926.

211,411. WRITING AND PRINTING PAPERS, CARDS, AND ENVELOPES. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass.
Filed February 28, 1925. Serial No. 210,330. PUBLISHED JANUARY 26, 1926.

211,412. WRITING AND PRINTING PAPERS, CARDS, AND ENVELOPES. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass.
Filed February 28, 1925. Serial No. 210,331. PUBLISHED JANUARY 26, 1926.

211,413. CRACKERS, CAKES, BISCUITS, AND SUGAR WAFERS. THE LAKESIDE BISCUIT CO., Toledo, Ohio.
Filed March 11, 1925. Serial No. 210,848. PUBLISHED JANUARY 26, 1926.

211,414. COLD-CREAM-IMPREGNATED TISSUE. JACOB S. BERLINER, New York, N. Y.
Filed April 17, 1925. Serial No. 212,850. PUBLISHED JUNE 23, 1925.

211,415. CHOCOLATE COATINGS. LAMONT, CORLISS & COMPANY, New York, N. Y.
Filed July 30, 1925. Serial No. 218,128. PUBLISHED JANUARY 26, 1926.

211,416. CHINAWARE. THE LIMOGES CHINA COMPANY, Sebring, Ohio.
Filed August 1, 1925. Serial No. 218,264. PUBLISHED FEBRUARY 2, 1926.

211,417. OPHTHALMIC AND SIMILAR LENS-HOLDING MEMBERS. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed November 10, 1925. Serial No. 223,076. PUBLISHED JANUARY 12, 1926.

211,418. CEREAL BREAKFAST FOOD. THE WHEATAL COMPANY, Bangor and Addison, Me.
Filed November 2, 1925. Serial No. 222,720. PUBLISHED JANUARY 12, 1926.

211,419. CERTAIN CHAINS AND PARTS THEREOF. DIAMOND CHAIN AND MANUFACTURING COMPANY, Indianapolis, Ind.
Filed November 4, 1925. Serial No. 222,786. PUBLISHED JANUARY 12, 1926.

211,420. CERTAIN LOCKS. AUGUST J. LURIE, doing business as Lurie Products, Chicago, Ill.
Filed November 6, 1925. Serial No. 222,929. PUBLISHED JANUARY 12, 1926.

211,421. TOBACCO PRODUCTS—NAMELY, CIGARS, CIGARETTES, CHEROOTS, AND SMOKING AND CHEWING TOBACCO. KRAUS & CO. INC., Baltimore, Md.
Filed November 14, 1925. Serial No. 223,307. PUBLISHED FEBRUARY 2, 1926.

211,422. BOOTS AND SHOES OF LEATHER, RUBBER, AND FABRIC AND COMBINATIONS OF LEATHER, RUBBER, AND FABRIC. MUSKIN SHOE COMPANY, Baltimore, Md.
Filed November 19, 1925. Serial No. 223,538. PUBLISHED JANUARY 26, 1926.

211,423. FRESH APPLES. EARL FRUIT COMPANY, Spokane, Wash.
Filed November 21, 1925. Serial No. 223,624. PUBLISHED JANUARY 26, 1926.

211,424. FIRE-EXTINGUISHING COMPOUNDS. EXTINGUISHERS, LIMITED, Whitehall, London, England.
Filed November 21, 1925. Serial No. 223,629. PUBLISHED JANUARY 26, 1926.

211,425. PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed December 2, 1925. Serial No. 224,097. PUBLISHED JANUARY 19, 1926.

211,426. PERFUMERY EXTRACTS, ALCOHOLIC PERFUMERY, TOILET WATER, TALCUM POWDER, AND FACE POWDER. MARIE DE FRANCE LABORATORIES, INC., New York, N. Y.
Filed December 2, 1925. Serial No. 224,099. PUBLISHED FEBRUARY 2, 1926.

211,427. BLOOD MEDICINE. RONOX PHARMACEUTICAL COMPANY, Muncie, Ind.
Filed December 3, 1925. Serial No. 224,206. PUBLISHED FEBRUARY 2, 1926.

211,428. CIGARETTES. S. BENADERET, INC., San Francisco, Calif.
Filed November 25, 1925. Serial No. 223,833. PUBLISHED FEBRUARY 2, 1926.

211,429. ANTISEPTIC CHEWING GUM CONTAINING IODINE FOR MEDICINAL PURPOSES. AMERICAN CHICLE COMPANY, Long Island City, N. Y., assignor to Caleb Crawford Company, Long Island City, N. Y., a Corporation of New York.
Filed November 10, 1925. Serial No. 223,072. PUBLISHED JANUARY 12, 1926.

211,430. CATTLE FEED. THE PARK & POLLARD COMPANY, Boston, Mass.
Filed November 16, 1925. Serial No. 223,402. PUBLISHED JANUARY 12, 1926.

211,431. SAWS. A. S. ALOE CO., St. Louis, Mo.
Filed November 16, 1925. Serial No. 223,354. PUBLISHED JANUARY 26, 1926.

211,432. CEMENT MIXERS. A. S. ALOE CO., St. Louis, Mo.
Filed November 16, 1925. Serial No. 223,353. PUBLISHED JANUARY 26, 1926.

211,433. ATHLETIC SUPPORTERS, SANITARY BELTS. MARTIN-PAGE CO., Middlesboro, Ky.
Filed November 14, 1925. Serial No. 223,312. PUBLISHED JANUARY 12, 1926.

211,434. BREAKFAST CEREAL. THE RY-KRISP COMPANY, Minneapolis, Minn.
Filed November 14, 1925. Serial No. 223,335. PUBLISHED JANUARY 12, 1926.

211,435. SHEAR KNIVES. HEPPENSTALL FORGE AND KNIFE COMPANY, Pittsburgh, Pa.
Filed November 14, 1925. Serial No. 223,296. PUBLISHED JANUARY 26, 1926.

211,436. MOTION PICTURES. UNIVERSAL PICTURES CORPORATION, New York, N. Y.
Filed November 13, 1925. Serial No. 223,263. PUBLISHED JANUARY 12, 1926.

211,437. CERTAIN NAMED PIECE GOODS. DANIEL H. WILLARD, Miami, Fla.
Filed October 3, 1925. Serial No. 221,222. PUBLISHED FEBRUARY 2, 1926.

211,438. SPUN, THROWN, SEWING OR KNITTING, AND TWISTED YARNS. SNIA-VISCOSA SOCIETÀ NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA, Turin, Italy.
Filed September 28, 1925. Serial No. 220,925. PUBLISHED FEBRUARY 2, 1926.

211,439. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. GROS, GRENIER, OSTORERO & CIE., Saint-Claude, Jura, France, assignor to Joseph Cote Limited, Quebec, Canada.
Filed September 26, 1925. Serial No. 220,850. PUBLISHED FEBRUARY 2, 1926.

211,440. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. GROS, GRENIER, OSTORERO & CIE., Saint-Claude, Jura, France.
Filed September 26, 1925. Serial No. 220,849. PUBLISHED FEBRUARY 2, 1926.

211,441. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. GROS, GRENIER, OSTORERO & CIE., Saint-Claude, Jura, France.
Filed September 26, 1925. Serial No. 220,847. PUBLISHED FEBRUARY 2, 1926.

211,442. STEEL AND IRON SHEETS. TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala.
Filed September 11, 1925. Serial No. 220,156. PUBLISHED JANUARY 26, 1926.

211,443. CHEMICAL COMPOUND FOR MAKING AUTOMOBILE TIRES PUNCTURE PROOF. PATCHLESEAL MANUFACTURING CO., New York, N. Y.
Filed August 14, 1925. Serial No. 218,870. PUBLISHED FEBRUARY 2, 1926.

211,444. SUGARED AND SALTED ALMONDS. NICHOLAS P. DAMIANAKES, doing business as California Peanut Co., Oakland, Calif.
Filed July 28, 1925. Serial No. 217,985. PUBLISHED JANUARY 26, 1926.

211,445. PINS—NAMELY, OFFICE PINS, TOILET PINS, SAFETY PINS, KNITTING PINS, HATPINS, HAIRPINS, AND TIE PINS; HAND SEWING NEEDLES, BODKINS, AND CROCHET HOOKS, BEING GOODS OF ORDINARY METAL. JAMES SMITH & SON, (REDDITCH) LIMITED, Redditch, England.
Filed July 10, 1925. Serial No. 217,185. PUBLISHED JANUARY 19, 1926.

211,446. COTTON AND WOOL FABRICS FOR SUITINGS FOR MEN AND BOYS. THOMAS OAKES & CO., Bloomfield, N. J.
Filed June 24, 1925. Serial No. 216,352. PUBLISHED FEBRUARY 2, 1926.

211,447. MAYONNAISE AND THOUSAND ISLAND DRESSING. MRS. POTTS SANDERS, doing business as N. L. Payne and as Lady Betty Mayonnaise Products, Texarkana, Tex.
Filed June 20, 1925. Serial No. 216,120. PUBLISHED JANUARY 26, 1926.

211,448. CANDY. VAN ANTWERP'S DRUG CORPORATION, INC., Mobile, Ala.
Filed May 27, 1925. Serial No. 214,983. PUBLISHED JANUARY 26, 1926.

211,449. COTTON DRILLS, SHEETINGS, SHIRTINGS, AND FLANNELS. DUNCAN, FOX & CO., INC., New York, N. Y.
Filed May 23, 1925. Serial No. 214,785. PUBLISHED FEBRUARY 2, 1926.

211,450. THREAD. THE ELMORE COMPANY, doing business as The Elmore Thread Company, Spindale, N. C.
Filed April 2, 1925. Serial No. 212,077. PUBLISHED FEBRUARY 2, 1926.

211,451. COTTON PIECE GOODS, SHEETS, AND PILLOWCASES. LOCKWOOD CO., Waterville, Me.
Filed April 1, 1925. Serial No. 212,010. PUBLISHED FEBRUARY 2, 1926.

211,452. SILKS, SILK AND COTTON, OR SILK AND RAYON FABRICS. JOSEPH GLUCK, New York, N. Y.
Filed March 21, 1925. Serial No. 211,421. PUBLISHED FEBRUARY 2, 1926.

211,453. PULLEYS MADE OF A COMPOSITION MATERIAL HAVING NONSLIP CHARACTERISTICS. AMERICAN BELTING & HOSE CO., Portland, Oreg.
Filed February 24, 1925. Serial No. 210,030. PUBLISHED JANUARY 19, 1926.

211,454. ADHESIVE MENDING CEMENT. VICTOR F. VAN STAN, Philadelphia, Pa.
Filed January 28, 1925. Serial No. 208,791. PUBLISHED JANUARY 19, 1926.

211,455. WARDROBE TRUNKS. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed November 24, 1924. Serial No. 205,753. PUBLISHED JANUARY 19, 1926.

211,456. MOUTH WASH AND TOOTH POWDER. GUIDO J. CERVELLI, doing business as Dentagiene Laboratories, San Francisco, Calif.
Filed October 29, 1924. Serial No. 204,541. PUBLISHED SEPTEMBER 8, 1925.

211,457. APPAREL BELTS. MORRIS KLINE, doing business as Du-Hold Company, Cleveland, Ohio.
Filed October 22, 1924. Serial No. 204,267. PUBLISHED JANUARY 19, 1926.

211,458. LADIES' AND MISSES' HOSIERY. WM. HAHN & CO., Washington, D. C., and Baltimore, Md.
Filed June 3, 1925. Serial No. 215,251. PUBLISHED AUGUST 18, 1925.

211,459. LEAF TOBACCO, CIGARS, CIGARETTES, AND CHEWING AND SMOKING TOBACCO. HAUS NEUERBURG O. H. G., Trier, Germany.
Filed May 22, 1925. Serial No. 214,727. PUBLISHED FEBRUARY 2, 1926.

211,460. COOKIES AND MACAROONS. NUTT BROS., Los Angeles, Calif.
Filed May 19, 1925. Serial No. 214,561. PUBLISHED SEPTEMBER 8, 1925.

211,461. ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. MORANA INCORPORATED, New York, N. Y.
Filed May 13, 1925. Serial No. 214,265. PUBLISHED JUNE 30, 1925.

211,462. WOMEN'S COATS AND SUITS, WOMEN'S DRESSES; GIRLS' AND JUNIORS' COATS, SUITS, AND DRESSES; MISSES' COATS AND SUITS, AND MISSES' DRESSES AND FURS. L. BAMBERGER & COMPANY, Newark, N. J.
Filed May 11, 1925. Serial No. 214,118. PUBLISHED FEBRUARY 2, 1926.

211,463. WHEAT FLOUR. RUSSELL-MILLER MILLING CO., Minneapolis, Minn.
Filed April 13, 1925. Serial No. 212,642. PUBLISHED JANUARY 26, 1926.

211,464. PLANT PREVENTIVES, FUNGICIDES, AND INSECTICIDES. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany.
Filed March 14, 1925. Serial No. 210,992. PUBLISHED JANUARY 19, 1926.

211,465. WORK DRESS, AND NEGLIGEE SHIRTS; MEN'S AND WOMEN'S HATS AND COLLARS, SCARFS, AND CRAVATS; AND MEN'S KNITTED AND TEXTILE UNDERWEAR. RAY THE HATTER, INC., Waterbury, Conn.
Filed March 12, 1925. Serial No. 210,926. PUBLISHED FEBRUARY 2, 1926.

211,466. DENTAL INVESTMENT, DENTAL STONE, AND DENTAL PLASTER. FALLS CITY DENTAL SPECIALTY CO., INC., Louisville, Ky.
Filed November 9, 1925. Serial No. 223,026. PUBLISHED JANUARY 26, 1926.

211,467. MEDICINE FOR INDIGESTION, CONSTIPATION, KIDNEY AND STOMACH AILMENTS. ANNIE RUSSELL DAUMI, doing business as Madame A. Russell, New York, N. Y.
Filed November 6, 1925. Serial No. 222,918. PUBLISHED JANUARY 19, 1926.

211,468. LIVE CHICKENS. PETERS-CERTIFIED POULTRY, Newton, Iowa.
Filed November 5, 1925. Serial No. 222,871. PUBLISHED JANUARY 19, 1926.

211,469. PREPARED FLOOR COVERINGS. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed November 3, 1925. Serial No. 222,759. PUBLISHED FEBRUARY 2, 1926.

211,470. MOVING PICTURES. FAMOUS PLAYERS-LASKY CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,448. PUBLISHED JANUARY 26, 1926.

211,471. COTTON THREADS AND YARNS AND SILK THREADS AND YARNS. HERMETITE CORPORATION, New York, N. Y.
Filed October 24, 1925. Serial No. 222,240. PUBLISHED FEBRUARY 2, 1926.

211,472. PUMPING EQUIPMENT, WATER SYSTEMS, AND SOFT-WATER GENERATORS. FORT WAYNE ENGINEERING & MANUFACTURING COMPANY, Fort Wayne, Ind.
Filed October 17, 1925. Serial No. 221,890. PUBLISHED JANUARY 19, 1926.

211,473. FRESH GRAPES. WRIGHT & HUGHSON, Dinuba, Calif.
Filed October 12, 1925. Serial No. 221,652. PUBLISHED JANUARY 19, 1926.

211,474. MATCHES. WALD. TEFKE, Helsingfors, Finland.
Filed October 6, 1925. Serial No. 221,340. PUBLISHED FEBRUARY 2, 1926.

211,475. TEXTILE FABRICS COMPOSED OF COTTON AND RAYON. S. SLATER & SONS, INC., Webster, Mass.
Filed October 6, 1925. Serial No. 221,337. PUBLISHED FEBRUARY 2, 1926.

211,476. HAIR SHAMPOO. H. V. BRITTON, New York, N. Y.
Filed November 28, 1925. Serial No. 223,956. PUBLISHED JANUARY 26, 1926.

211,477. TOILET POWDERS. ABONITA COMPANY, INC., Chicago, Ill.
Filed November 28, 1925. Serial No. 223,953. PUBLISHED JANUARY 26, 1926.

211,478. SALVE FOR THE TREATMENT OF CUTS, WOUNDS, BURNS, AND BURNING AND ITCHING SKIN DISEASES. ALBERT FRANKLIN WOODWARD, doing business as Ez-Ol Chemical Co., Highland Park, Detroit, Mich.
Filed November 27, 1925. Serial No. 223,951. PUBLISHED JANUARY 26, 1926.

211,479. DYES. MONROE DRUG COMPANY, Quincy, Ill.
Filed November 27, 1925. Serial No. 223,930. PUBLISHED JANUARY 26, 1926.

211,480. SLIP-ON APRONS AND UNDERWAISTS. BABY BETTY APRON COMPANY, Chicago, Ill.
Filed October 21, 1925. Serial No. 222,059. PUBLISHED DECEMBER 8, 1925.

211,481. CANNED VEGETABLES. ZEIGLER CANNING & PRESERVING COMPANY, Muscatine, Iowa.
Filed October 13, 1925. Serial No. 221,679. PUBLISHED JANUARY 12, 1926.

211,482. MATERIAL FOR REPAIRING PATENT LEATHER BY APPLYING A SURFACE COATING THERETO. MULLEN BROTHERS, Brockton, Mass.
Filed October 12, 1925. Serial No. 221,630. PUBLISHED JANUARY 12, 1926.

211,483. CANNED CLEANING AND POLISHING POWDER FOR THE CLEANING OF GLASS AND POLISHING METAL. WALTER G. ROLL, doing business as The Missouri Company, St. Louis, Mo.
Filed October 10, 1925. Serial No. 221,567. PUBLISHED JANUARY 12, 1926.

211,484. AMMONIA AND BLUING. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed September 26, 1925. Serial No. 220,831. PUBLISHED JANUARY 19, 1926.

211,485. VEGETABLE COMPOUND USED INTERNALLY AS A LAXATIVE. WILLIAM M. WALTER, doing business as M. P. H. Company, Reading, Ohio.
Filed July 31, 1925. Serial No. 218,224. PUBLISHED JANUARY 19, 1926.

211,486. LINIMENT FOR EXTERNAL USE. Dr. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,112. PUBLISHED JANUARY 19, 1926.

211,487. LINIMENT FOR EXTERNAL USE. Dr. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,111. PUBLISHED JANUARY 19, 1926.

211,488. DYES. MONROE DRUG COMPANY, Quincy, Ill.
Filed November 27, 1925. Serial No. 223,929. PUBLISHED JANUARY 26, 1926.

211,489. PENS AND PENCILS. REX MANUFACTURING CO., Providence, R. I.
Filed November 25, 1925. Serial No. 223,867. PUBLISHED JANUARY 12, 1926.

211,490. MEDICINAL TONIC. PUREXO PRODUCTS CO., San Francisco, Calif.
Filed November 25, 1925. Serial No. 223,866. PUBLISHED JANUARY 26, 1926.

211,491. LOOSE-LEAF FOLDER AND PRINTED SHEETS TO BE INSERTED THEREIN. KARDEX, INC., San Francisco, Calif.
Filed November 14, 1925. Serial No. 223,303. PUBLISHED JANUARY 12, 1926.

211,492. FURNISHINGS—NAMELY, ORNAMENTAL NOVELTIES FOR HOUSEHOLD USE PARTICULARLY USEFUL AS CURTAIN TIE-BACKS AND PICTURE OR MIRROR HANGERS, MADE OF WOOD, BASE METAL, GLASS, OR OTHER MATERIALS. JOSEPHINE A. BATES, Springfield, Mass.
Filed June 24, 1925. Serial No. 216,314. PUBLISHED JANUARY 26, 1926.

211,493. FLOUR. VIRGINIA HAY & GRAIN CO., Virginia, Minn.
Filed June 3, 1925. Serial No. 215,284. PUBLISHED FEBRUARY 2, 1926.

211,494. COLD CREAM, VANISHING CREAM, FACE POWDER, TALCUM, HAIR TONIC, SHAMPOO, HAND LOTION, ROUGE, TOILET WATER, PERFUME, BATH SALTS, AND LIP STICK. THE REMOVO LABORATORIES, INC., Syracuse, N. Y.
Filed September 11, 1925. Serial No. 220,142. PUBLISHED JANUARY 19, 1926.

211,495. BATTERY-SEALING COMPOUNDS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed November 28, 1925. Serial No. 223,975. PUBLISHED JANUARY 26, 1926.

211,496. PREPARATION FOR USE IN KILLING ROACHES, RATS, AND MICE, WATER BUGS, AND OTHER INSECTS. JOHN OPITZ, INC., New York, N. Y.
Filed November 28, 1925. Serial No. 223,973. PUBLISHED JANUARY 26, 1926.

211,497. LINIMENT FOR EXTERNAL USE. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,109. PUBLISHED JANUARY 19, 1926.

211,498. LAXATIVE MEDICINES. DR. MILES MEDICAL COMPANY, Elkhart, Ind.
Filed March 28, 1925. Serial No. 211,795. PUBLISHED OCTOBER 13, 1925.

211,499. MEDICINAL PREPARATION FOR KIDNEY, BLADDER, AND LIVER AILMENTS. CHARLES C. HOWARD, doing business as The Howard Drug Co., Memphis, Tenn.
Filed March 23, 1925. Serial No. 211,475. PUBLISHED DECEMBER 15, 1925.

211,500. SALVE FOR TREATING ECZEMA AND DISEASES OF THE SCALP AND SKIN. FRED FRANK HRUSHKA, doing business as Shaver Root Co., Wagner, S. Dak.
Filed March 5, 1925. Serial No. 210,557. PUBLISHED OCTOBER 27, 1925.

211,501. PERFUME EXTRACTS, TOILET WATER, TRIPLE WATERS, COLOGNE, BAY RUM, PERFUMED SALTS, SACHET POWDERS, AMMONIA, DENATURED AND MEDICATED ALCOHOLS, SEA SALT AND SIMILAR ARTICLES PREPARED FOR BATHING PURPOSES, COMPLEXION AND TOOTH POWDERS, AND FACE LOTIONS. R. H. MACY & CO., INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,493. PUBLISHED JANUARY 26, 1926.

211,502. SOAP AND CLEANSING COMPOUNDS. HENRY J. KOHL, doing business as The H. J. Kohl Company, Sharon Hill, Pa.
Filed September 26, 1924. Serial No. 203,082. PUBLISHED DECEMBER 8, 1925.

211,503. ORANGE DRINK, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. OSCAR C. HIRBOUR, North Brookfield, Mass.
Filed July 18, 1924. Serial No. 200,199. PUBLISHED NOVEMBER 3, 1925.

211,504. FOUNTAIN PENS. THE WAHL COMPANY, Chicago, Ill.
Filed October 30, 1925. Serial No. 222,588. PUBLISHED JANUARY 12, 1926.

211,505. TYPEWRITER PAPER. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y.
Filed October 29, 1925. Serial No. 222,519. PUBLISHED JANUARY 12, 1926.

211,506. SOAPS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,752. PUBLISHED MAY 5, 1925.

211,507. SOAPS. FRANKLIN SIMON & CO., INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,750. PUBLISHED MAY 5, 1925.

211,508. NIGHT WEAR—VIZ, PYJAMAS. VALCO MANUFACTURING CO., INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,540. PUBLISHED FEBRUARY 2, 1926.

211,509. GENERAL CLEANING PREPARATION FOR FURNITURE AND SUCH LIKE GOODS. F. D. DAVIDSON COMPANY, Los Angeles, Calif.
Filed January 22, 1925. Serial No. 208,460. PUBLISHED JANUARY 12, 1926.

211,510. PACKING AND WRAPPING PAPER FOR CONFECTIONERY AND THE LIKE. FRANK M. SAYFORD COMPANY, Brooklyn, N. Y.
Filed November 29, 1924. Serial No. 206,032. PUBLISHED JANUARY 12, 1926.

211,511. TYPE CLEANER KNOWN AS INK OFF. PERFECTION PRODUCTS CO., Rochester, N. Y.
Filed November 18, 1924. Serial No. 205,488. PUBLISHED JANUARY 12, 1926.

211,512. MATERIALS FOR COLORING LOW SPOTS ON BALLS OR ROLLERS OF BEARINGS AS A GUIDE FOR GRINDING—NAMELY, BEARING BLUE. HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,250. PUBLISHED JANUARY 19, 1926.

211,513. BLUING. OLIVER MUNSELLE, Post, Tex.
Filed September 25, 1924. Serial No. 203,030. PUBLISHED OCTOBER 27, 1925.

211,514. MEDICINAL PREPARATION USED AS A GENERAL TONIC. ALFRED E. HENDEY, doing business as The Maltex Company, New York, N. Y.
Filed August 26, 1924. Serial No. 201,896. PUBLISHED NOVEMBER 25, 1924.

211,515. WRITING PAPER. THE PECK ENGRAVING COMPANY, Cleveland, Ohio.
Filed December 8, 1925. Serial No. 224,420. PUBLISHED JANUARY 12, 1926.

211,516. AMMONIUM SALT FOR USE IN THE AGING OF FLOUR. WALLACE & TIERNAN CO., INC., Newark, N. J.
Filed December 5, 1925. Serial No. 224,309. PUBLISHED JANUARY 26, 1926.

211,517. WALL PAPER. HENRY BOSCH COMPANY, New York, N. Y.
Filed December 3, 1925. Serial No. 224,186. PUBLISHED JANUARY 12, 1926.

211,518. BOND WRITING PAPER. MARQUETTE PAPER CO., Chicago, Ill.
Filed November 30, 1925. Serial No. 224,032. PUBLISHED JANUARY 12, 1926.

211,519. TABLETS FOR AID IN REDUCING. HANLY PRODUCTS CO. INC., Chicago, Ill.
Filed November 30, 1925. Serial No. 224,021. PUBLISHED JANUARY 26, 1926.

211,520. NAIL POLISH. THE GLORAY COMPANY, New York, N. Y.
Filed November 30, 1925. Serial No. 224,014. PUBLISHED JANUARY 26, 1926.

211,521. INSECTICIDES—NAMELY, SNAIL-CONTROL MEAL. THE ANTROL LABORATORIES, INC., Los Angeles, Calif.
Filed November 30, 1925. Serial No. 223,985. PUBLISHED JANUARY 26, 1926.

211,522. MAGAZINE LUBRICATING DEVICES. CORNELIUS T. MYERS, Rahway, N. J.
Filed October 26, 1925. Serial No. 222,336. PUBLISHED JANUARY 19, 1926.

211,523. CHEMICAL PREPARATION USED FOR THE DESTRUCTION OF VERMIN AND INSECTS. RIGO MANUFACTURING COMPANY, Nashville, Tenn.
Filed November 12, 1925. Serial No. 223,189. PUBLISHED JANUARY 19, 1926.

211,524. RADIATOR GLYCERIN. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed November 11, 1925. Serial No. 223,122. PUBLISHED JANUARY 19, 1926.

211,525. DANDRUFF REMEDY. GEORGE W. NOONAN, doing business as Noonan Laboratory, San Bernardino, Calif.
Filed November 10, 1925. Serial No. 223,101. PUBLISHED JANUARY 19, 1926.

211,526. FRESH APPLES. STERLING-SLATER FRUIT COMPANY, Wenatchee and Entiat, Wash.
Filed November 9, 1925. Serial No. 223,057. PUBLISHED JANUARY 19, 1926.

211,527. LINIMENT FOR EXTERNAL USE. Dr. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,110. PUBLISHED JANUARY 19, 1926.

211,528. CERTAIN NAMED YARNS. ALBERT J. PFEIFFER, INC., New York, N. Y.
Filed December 4, 1925. Serial No. 224,264. PUBLISHED FEBRUARY 2, 1926.

211,529. BED SHEETS AND SLIPS AND CERTAIN PIECE GOODS. PEPPERELL MANUFACTURING COMPANY, Biddeford, Me., Opelika, Ala., and Boston, Mass.
Filed November 30, 1925. Serial No. 224,040. PUBLISHED FEBRUARY 2, 1926.

211,530. BED SHEETS AND SLIPS, AND CERTAIN PIECE GOODS. PEPPERELL MANUFACTURING COMPANY, Biddeford, Me., Opelika, Ala., and Boston, Mass.
Filed November 30, 1925. Serial No. 224,039. PUBLISHED FEBRUARY 2, 1926.

211,531. CHOCOLATE BAR. HERSHEY CHOCOLATE COMPANY, Hershey, Pa., assignor to Chocolate Sales Corporation, Hershey, Pa., a Corporation.
Filed November 24, 1925. Serial No. 223,784. PUBLISHED JANUARY 19, 1926.

211,532. COTTON CHALLIS IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 23, 1925. Serial No. 223,702. PUBLISHED FEBRUARY 2, 1926.

211,533. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed November 20, 1925. Serial No. 223,596. PUBLISHED FEBRUARY 2, 1926.

211,534. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed November 20, 1925. Serial No. 223,592. PUBLISHED FEBRUARY 2, 1926.

211,535. HANDKERCHIEFS. BEST & CO., INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,281. PUBLISHED FEBRUARY 2, 1926.

211,536. CHEMICALS FOR PHOTOGRAPHIC PURPOSES. PENN PROCESS COMPANY, INC., Elkins Park, Pa.
Filed November 14, 1925. Serial No. 223,322. PUBLISHED JANUARY 26, 1926.

211,537. INSECTICIDE. ROY L. WORTHAM, Hammond, Ill.
Filed August 6, 1924. Serial No. 201,067. PUBLISHED JANUARY 26, 1926.

211,538. LAXATIVE AND CATHARTIC FOR THE TREATMENT OF LIVER, INTESTINAL, AND STOMACH DISORDERS, FOR SEASICKNESS, ACIDOSIS, AND FOR HELPING TO MAINTAIN THE NORMAL ALKALINITY OF THE BLOOD, FOR GOUT, RHEUMATISM, AND CONSTIPATION, HIGH BLOOD PRESSURE, AND OBESITY. ISAAC EDWARD EMERSON, Baltimore, Md.
Filed November 24, 1925. Serial No. 223,776. PUBLISHED JANUARY 26, 1926.

211,539. CRACKERS. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed July 2, 1925. Serial No. 216,794. PUBLISHED JANUARY 26, 1926.

211,540. WHEAT FLOUR. MISSOURI FARMERS' ASSOCIATION, INCORPORATED, Columbia, Mo.
Filed July 8, 1925. Serial No. 217,041. PUBLISHED FEBRUARY 2, 1926.

211,541. MONTHLY PERIODICAL. MONARCH MANUFACTURING COMPANY, Council Bluffs, Iowa.
Filed August 19, 1925. Serial No. 219,079. PUBLISHED JANUARY 12, 1926.

211,542. KNITTED PRODUCTS FOR MEN, WOMEN, AND CHILDREN—NAMELY, SPORT COATS, OUTER SKIRTS, SCARFS, HOSIERY, SUITS, SHAWLS, DRESSES, CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN; AND SWEATERS. ALCONE KNITTING MILLS, San Francisco, Calif.
Filed June 30, 1925. Serial No. 216,664. PUBLISHED FEBRUARY 2, 1926.

211,543. CHEESE. BÜRKI & CIE., Bern, Switzerland.
Filed August 22, 1925. Serial No. 219,225. PUBLISHED JANUARY 26, 1926.

211,544. BREAD AND CAKE. CAROLINA BAKING COMPANY, Charlotte, N. C.
Filed August 13, 1925. Serial No. 218,791. PUBLISHED FEBRUARY 2, 1926.

211,545. TISSUE PAPER FOR SKIN-CLEANING PURPOSES. CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y.
Filed August 22, 1925. Serial No. 219,231. PUBLISHED JANUARY 12, 1926.

211,546. CERTAIN NAMED ARTICLES OF CUTLERY. JOHN CHATILLON & SONS, New York, N. Y.
Filed August 26, 1925. Serial No. 219,378. PUBLISHED FEBRUARY 2, 1926.

211,547. PEANUT BUTTER. WALTER J. HIRSCH Co., doing business as Onliway Corporation, Chicago, Ill.
Filed August 27, 1925. Serial No. 219,431. PUBLISHED JANUARY 26, 1926.

211,548. CUSHION SHOES CONSTRUCTED OF LEATHER OR RUBBER, OR FABRIC, OR OF COMBINATIONS OF THOSE MATERIALS. GEORGE J. WINTER, doing business as Super-Foot-Form Cushion Shoe Company, Buffalo, N. Y.
Filed August 18, 1925. Serial No. 219,052. PUBLISHED JANUARY 26, 1926.

211,549. PHOTOGRAPHS OR PICTURES. POTOMAC PHOTO SUPPLY CO., Washington, D. C.
Filed August 31, 1925. Serial No. 219,604. PUBLISHED JANUARY 12, 1926.

211,550. WIRE ROPE. E. H. EDWARDS COMPANY, San Francisco, Calif.
Filed July 9, 1925. Serial No. 217,075. PUBLISHED JANUARY 26, 1926.

211,551. LINIMENT FOR EXTERNAL USE. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,115. PUBLISHED JANUARY 19, 1926.

211,552. LINIMENT FOR EXTERNAL USE. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,113. PUBLISHED JANUARY 19, 1926.

211,553. LINIMENT FOR EXTERNAL USE. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,116. PUBLISHED JANUARY 19, 1926.

211,554. BATH ESSENCE, BATH TABLETS, AND BATH POWDER. HUGO DUSCHNER G. m. b. H., Berlin, Germany.
Filed September 2, 1925. Serial No. 219,669. PUBLISHED JANUARY 19, 1926.

211,555. WRAPPING PAPER. THE ORONO PULP & PAPER COMPANY, Bangor, Me.
Filed September 3, 1925. Serial No. 219,758. PUBLISHED FEBRUARY 2, 1926.

211,556. MAGAZINE PUBLISHED PERIODICALLY. SIMMONS-BOARDMAN PUBLISHING CO., New York, N. Y.
Filed September 22, 1925. Serial No. 220,621. PUBLISHED JANUARY 12, 1926.

211,557. SAVING CERTIFICATES. THE MUTUAL SYSTEM COMPANY, Bridgeport, Conn.
Filed June 30, 1925. Serial No. 216,687. PUBLISHED JANUARY 26, 1926.

211,558. HOUSE ORGAN ISSUED MONTHLY. KEYSTONE GROCERY & TEA CO., Pittsburgh, Pa.
Filed November 25, 1925. Serial No. 223,849. PUBLISHED JANUARY 19, 1926.

211,559. PREPARATION USED IN THE TREATMENT OF AILMENTS PECULIAR TO WOMEN. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,117. PUBLISHED JANUARY 19, 1926.

211,560. CANNED PINEAPPLE, JAM, MARMALADE, AND JELLY. HAWAIIAN PINEAPPLE PRODUCTS CO., LTD., San Francisco, Calif., and Iwilei, Hawaii.
Filed August 8, 1925. Serial No. 218,553. PUBLISHED JANUARY 26, 1926.

211,561. MEN'S COLLARS AND NEGLIGEE AND DRESS SHIRTS. NATIONAL SHIRT SHOPS, INC., New York, N. Y.
Filed August 20, 1925. Serial No. 219,133. PUBLISHED OCTOBER 20, 1925.

211,562. SWEATERS; KNITTED CAPS FOR MEN, WOMEN, AND CHILDREN; BATHING SUITS, HOSIERY, AND KNITTED JACKETS. MORGAN KNITTING MILLS, INC., New York, N. Y.
Filed November 27, 1925. Serial No. 223,931. PUBLISHED FEBRUARY 2, 1926.

211,563. LINIMENT FOR EXTERNAL USE. DR. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed July 30, 1925. Serial No. 218,114. PUBLISHED JANUARY 19, 1926.

211,564. FRUIT LAXATIVE. THE LAXA-RAISIN CO., Cincinnati, Ohio.
Filed Nov. 14, 1925. Serial No. 223,308. PUBLISHED FEBRUARY 2, 1926.

211,565. MOLDS FOR MAKING TOY FIGURES AND THE MATERIAL USED THEREWITH SOLD AS A UNIT. HAROLD L. MALE, Worcester, Mass.
Filed November 14, 1925. Serial No. 223,311. PUBLISHED FEBRUARY 2, 1926.

211,566. MONTHLY MAGAZINE. KINGMAN AND WALTON, Boston, Mass.
Filed November 16, 1925. Serial No. 223,391. PUBLISHED FEBRUARY 2, 1926.

211,567. CRACKERS AND BISCUITS. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed August 8, 1925. Serial No. 218,568. PUBLISHED FEBRUARY 2, 1926.

211,568. HOUSE ORGAN. NASH ENGINEERING COMPANY, South Norwalk, Conn.
Filed November 23, 1925. Serial No. 223,734. PUBLISHED FEBRUARY 9, 1926.

211,569. WHISKY. THE J. W. CROWDUS DRUG CO., Dallas, Tex.
Filed November 23, 1925. Serial No. 223,690. PUBLISHED FEBRUARY 2, 1926.

211,570. MAGAZINES. CONCRETE PUBLISHING COMPANY, Chicago, Ill.
Filed November 23, 1925. Serial No. 223,688. PUBLISHED JANUARY 19, 1926.

211,571. WOMEN'S DRESSES, COATS, SUITS, SWEATERS, BLOUSES AND HATS. WILKES-BARRE DRY GOODS COMPANY, also doing business as Lazarus Brothers, Wilkes-Barre, Pa.
Filed November 21, 1925. Serial No. 223,672. PUBLISHED JANUARY 26, 1926.

211,572. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET POWDER, FACE CREAM, AND ROUGES. ROBERT TOBOUL, doing business as Maison Cyber, Paris, France.
Filed November 21, 1925. Serial No. 223,669. PUBLISHED JANUARY 26, 1926.

211,573. FRESH ORANGES AND GRAPEFRUITS. MILNE-O'BERRY PACKING CO., St. Petersburg, Fla.
Filed November 24, 1925. Serial No. 223,795. PUBLISHED JANUARY 26, 1926.

211,574. HAIRDRESSINGS. HARRY TEMKIN, doing business as Straight Root Co., New York, N. Y.
Filed November 24, 1925. Serial No. 223,813. PUBLISHED JANUARY 26, 1926.

211,575. SKIN TONIC. JAMES V. LAGO, doing business as Vilar Bros., New York, N. Y.
Filed November 23, 1925. Serial No. 223,729. PUBLISHED JANUARY 26, 1926.

211,576. FRESH APPLES. INDEPENDENT FRUIT SHIPPERS, Wenatchee, Wash.
Filed November 23, 1925. Serial No. 223,728. PUBLISHED JANUARY 26, 1926.

211,577. STOCKING PROTECTORS. HECO ENVELOPE COMPANY, Chicago, Ill.
Filed November 23, 1925. Serial No. 223,716. PUBLISHED JANUARY 26, 1926.

211,578. WHISKY. THE J. W. CROWDUS DRUG CO., Dallas, Tex.
Filed November 23, 1925. Serial No. 223,691. PUBLISHED FEBRUARY 2, 1926.

211,579. CHEESE. MEIER & FRANK COMPANY, Portland, Oreg.
Filed November 23, 1925. Serial No. 223,732. PUBLISHED JANUARY 26, 1926.

211,580. TONIC FOR DISTEMPER AND BUILDING UP OF ANÆMIC DOGS. GEORGE G. ANDERSON, New York, N. Y.
Filed November 24, 1925. Serial No. 223,760. PUBLISHED JANUARY 26, 1926.

211,581. PREPARATION FOR THE RELIEF OF PAINFUL MENSTRUATION. VI-BENZ LABORATORY, Washington, D. C.
Filed November 23, 1925. Serial No. 223,756. PUBLISHED JANUARY 26, 1926.

211,582. TOOLS FOR EXPANDING AND CONTRACTING THE RIMS OF WHEELS OF MOTOR CARS. TOMLEE TOOL CO., Brockton, Mass.
Filed November 23, 1925. Serial No. 223,752. PUBLISHED FEBRUARY 2, 1926.

211,583. HOSIERY FOR MEN, WOMEN, AND CHILDREN. HAINES HOSIERY MILLS, INC., Philadelphia, Pa.
Filed November 24, 1925. Serial No. 223,781. PUBLISHED FEBRUARY 2, 1926.

211,584. PERIODICAL PUBLISHED QUARTERLY DEVOTED TO THE TELEPHONE INDUSTRY. INTERNATIONAL TELEPHONE & TELEGRAPH CORPORATION, New York, N. Y.
Filed November 24, 1925. Serial No. 223,788. PUBLISHED JANUARY 26, 1926.

211,585. CRACKER MEAL. ADOLF J. MAINZER, INC., Long Island City, N. Y.
Filed November 24, 1925. Serial No. 223,793. PUBLISHED JANUARY 26, 1926.

211,586. [WITHDRAWN.]

211,587. DOLLS. B. BERTHA KOLLIN, New York, N. Y.
Filed November 18, 1925. Serial No. 223,479. PUBLISHED FEBRUARY 2, 1926.

211,588. DAILY TRADE BULLETIN. MAX SCHREIBER, Chicago, Ill.
Filed November 20, 1925. Serial No. 223,607. PUBLISHED FEBRUARY 9, 1926.

211,589. SILK GLOVES, UNDERWEAR OF BOTH KNITTED AND TEXTILE FABRIC, AND HOSIERY, AND RAYON GLOVES, UNDERWEAR OF BOTH KNITTED AND TEXTILE FABRIC, AND HOSIERY. J. CASIN & CO., INC., New York, N. Y.
Filed November 23, 1925. Serial No. 223,685. PUBLISHED FEBRUARY 2, 1926.

211,590. MAGAZINE ISSUED PERIODICALLY. LAUNDRY AND DRY CLEANING SERVICE, INC., New Orleans, La.
Filed November 28, 1925. Serial No. 223,965. PUBLISHED FEBRUARY 9, 1926.

211,591. BIWEEKLY MAGAZINES. PORTER-BEDE-LANGTRY CORPORATION, Chicago, Ill.
Filed November 30, 1925. Serial No. 224,045. PUBLISHED FEBRUARY 9, 1926.

211,592. BIWEEKLY MAGAZINES. PORTER-LANGTRY COMPANY, Chicago, Ill.
Filed November 30, 1925. Serial No. 224,047. PUBLISHED FEBRUARY 9, 1926.

211,593. BRUSHES—NAMELY, PAINT, VARNISH, CALCIMINE, FLOOR, ARTISTS', SASH TOOL, WALL STUCCO, PAPER HANGERS', AND WHITE WASH; COUNTER AND PAINTERS' DUSTERS, AND BROOMS. RUBICO BRUSH MANUFACTURERS INC., New York, N. Y.
Filed November 30, 1925. Serial No. 224,052. PUBLISHED FEBRUARY 2, 1926.

211,594. BRUSHES—NAMELY, PAINT, VARNISH, CALCIMINE, FLOOR, ARTISTS', SASH TOOL, WALL STUCCO, PAPER HANGERS', AND WHITE WASH; COUNTER AND PAINTERS' DUSTERS, AND BROOMS. RUBICO BRUSH MANUFACTURERS INC., New York, N. Y.
Filed November 30, 1925. Serial No. 224,053. PUBLISHED FEBRUARY 2, 1926.

211,595. CARTOONS IN THE FORM OF A COMIC STRIP. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed December 1, 1925. Serial No. 224,143. PUBLISHED FEBRUARY 9, 1926.

211,596. PHARMACEUTICALS—VIZ, PERFUMES. EDWARD J. FAY, New York, N. Y.
Filed December 3, 1925. Serial No. 224,183. PUBLISHED FEBRUARY 2, 1926.

211,597. SALVE FOR ECZEMA, RINGWORM, TETTER, POISON OAK, ITCH, HEAT, INSECT BITES, AND OTHER SKIN DISEASES. DANIEL C. FLOWERS, Shawnee, Okla.
Filed December 3, 1925. Serial No. 224,184. PUBLISHED FEBRUARY 2, 1926.

211,598. SOAPS—NAMELY, SOAPS IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. PARFUMERIE ROGER ET GALLET, Paris, France.
Filed December 4, 1925. Serial No. 224,261. PUBLISHED FEBRUARY 9, 1926.

211,599. TOOTHBRUSHES. MAX ROSENWALD, doing business as Benedikt Co., New York, N. Y.
Filed December 8, 1925. Serial No. 224,424. PUBLISHED FEBRUARY 2, 1926.

211,600. PAPER NAPKINS, TOILET PAPER, AND PAPER TOWELS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed December 12, 1925. Serial No. 224,603. PUBLISHED FEBRUARY 9, 1926.

211,601. MATTRESSES. SIMON MATTRESS MFG. CO., San Francisco, Calif.
Filed November 2, 1925. Serial No. 222,712. PUBLISHED FEBRUARY 2, 1926.

211,602. LIVING-ROOM FURNITURE—NAMELY, SOFAS, CHAIRS, BENCHES, COUCHES, AND DIVANS. JOSEPH GOLDSTEIN CHAIR CO. INC., New York, N. Y.
Filed November 3, 1925. Serial No. 222,742. PUBLISHED FEBRUARY 2, 1926.

211,603. CHOCOLATE AND COCOA COMPOUND FOR THE MANUFACTURE OF FOOD DRINKS. LIMPERT BROS., INC., New York, N. Y.
Filed November 5, 1925. Serial No. 222,853. PUBLISHED JANUARY 12, 1926.

211,604. HOSIERY. WESTMINSTER, LTD., New York, N. Y.
Filed November 4, 1925. Serial No. 222,807. PUBLISHED FEBRUARY 2, 1926.

211,605. CANDY. GEORGE C. MILLER & CO., INC., Boston, Mass.
Filed November 5, 1925. Serial No. 222,860. PUBLISHED JANUARY 26, 1926.

211,606. S AND P WHEAT BRAN AND WHEAT SCREENINGS, S AND P WHEAT MIXED FEED AND WHEAT SCREENINGS, S AND P WHEAT GRAY SHORTS AND WHEAT SCREENINGS, S AND P CORN CHOP. THE REA-PATTERSON MILLING COMPANY, Coffeyville, Kans.
Filed November 5, 1925. Serial No. 222,880. PUBLISHED JANUARY 26, 1926.

211,607. INSECTICIDES. TALBOT MANUFACTURING CO., Los Angeles, Calif.
Filed November 5, 1925. Serial No. 222,888. PUBLISHED JANUARY 26, 1926.

211,608. MONTHLY PERIODICALS. AMERICAN FASHION COMPANY, New York, N. Y.
Filed November 5, 1925. Serial No. 222,907. PUBLISHED JANUARY 12, 1926.

211,609. PERFUMES, BRILLIANTINES, FACE MASSAGE CREAMS, FACE FARDS, FACE ROUGE, FACE LOTION, FACE CREAM, TALCUM POWDER, AND TOILET WATERS. CECILE A. LA MOTHE, doing business as Parfumerie "Tina", Chicago, Ill.
Filed October 19, 1925. Serial No. 221,971. PUBLISHED JANUARY 26, 1926.

211,610. OIL FILTERS PARTICULARLY ADAPTED FOR AUTOMOBILES. MOTOR IMPROVEMENTS, INC., Newark, N. J.
Filed October 26, 1925. Serial No. 222,334. PUBLISHED FEBRUARY 2, 1926.

211,611. DRY-CLEANING LIQUID. TAILOR'S CLEANING FLUID COMPANY, INCORPORATED, New York, N. Y.
Filed October 27, 1925. Serial No. 222,414. PUBLISHED JANUARY 12, 1926.

211,612. SECTION OF A PERIODICAL TRADE PUBLICATION. UNITED PUBLISHERS CORPORATION, New York, N. Y.
Filed October 27, 1925. Serial No. 222,417. PUBLISHED JANUARY 12, 1926.

211,613. CLUTCH FACINGS, BRAKE LININGS, BUSHINGS, AND WASHERS. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,430. PUBLISHED FEBRUARY 2, 1926.

211,614. WATERPROOF AND RAINPROOF COATS, CAPES, AND OVERALLS. TELEMAC, LIMITED, London, England.
Filed October 28, 1925. Serial No. 222,488. PUBLISHED FEBRUARY 2, 1926.

211,615. ARCHERY GAME. DOREMUS, SCHOEN & CO., INC., New York, N. Y.
Filed October 28, 1925. Serial No. 222,444. PUBLISHED FEBRUARY 2, 1926.

211,616. TRADE JOURNAL PUBLISHED ANNUALLY. WARE BROS. COMPANY, Philadelphia, Pa.
Filed October 29, 1925. Serial No. 222,532. PUBLISHED JANUARY 12, 1926.

211,617. OLIVE OIL. EMILIO MARTINI. Chicago, Ill.
Filed October 31, 1925. Serial No. 222,624. PUBLISHED JANUARY 26, 1926.

211,618. HEALING SALVE. PRION AND PRION, Mansfield, Ohio.
Filed October 30, 1925. Serial No. 222,578. PUBLISHED JANUARY 19, 1926.

211,619. WAXED PAPER. AUTOMATIC PAPER MACHINERY COMPANY, INC., Hilton, N. J.
Filed October 26, 1925. Serial No. 222,299. PUBLISHED JANUARY 19, 1926.

211,620. FRESH VEGETABLES—NAMELY, POTATOES. M & A PRODUCE CO., Los Angeles, Calif.
Filed October 24, 1925. Serial No. 222,266. PUBLISHED JANUARY 26, 1926.

211,621. BUTTER, EGGS, AND CHEESE. CENTRAL PROVISION COMPANY, Wilkes-Barre, Pa.
Filed October 24, 1925. Serial No. 222,220. PUBLISHED JANUARY 26, 1926.

211,622. MACARONI AND CANNED TOMATOES. G. ROSSANO & BRO., New York, N. Y.
Filed October 23, 1925. Serial No. 222,192. PUBLISHED JANUARY 26, 1926.

211,623. ADHESIVE PASTES, SUCH AS PHOTO LIBRARY PASTE, FLOUR PASTE, ETC.; ADHESIVE GUMS AND GLUES, SUCH AS USED BY PAPER-BOX MAKERS, LEATHER-GOODS MANUFACTURERS, ETC.; ADHESIVE CEMENTS, SUCH AS MATERIAL FOR CEMENTING BRISTLE BRUSHES, METAL PARTS, ETC. SELDNER & ENEQUIST, INC., New York, N. Y.
Filed October 22, 1925. Serial No. 222,146. PUBLISHED FEBRUARY 2, 1926.

211,624. WHEAT FLOUR. COLONIAL MILLING CO., Nashville, Tenn.
Filed October 22, 1925. Serial No. 222,110. PUBLISHED DECEMBER 22, 1925.

211,625. PREPARATION FOR INTERNAL TREATMENT OF COUGHS, COLDS, AND BRONCHITIS. GEORGE H. CENTER, Du Quoin, Ill.
Filed October 21, 1925. Serial No. 222,063. PUBLISHED JANUARY 26, 1926.

211,626. BOYS' VESTS, SUITS, AND TOPCOATS. ANTONOFF & SHEIN INC., New York, N. Y.
Filed November 6, 1925. Serial No. 222,910. PUBLISHED FEBRUARY 2, 1926.

211,627. LADIES' FULL-FASHIONED HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed November 6, 1925. Serial No. 222,911. PUBLISHED FEBRUARY 2, 1926.

211,628. PRINTED TAGS, CARDS, SEALS, AND CUTOUTS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed November 6, 1925. Serial No. 222,921. PUBLISHED JANUARY 12, 1926.

211,629. LEATHER AND FABRIC GLOVES AND COMBINATIONS THEREOF, PANTS, WORK SHIRTS, OVERALLS, UNIONALLS, JUMPERS, AND MEN'S COATS. TEXAS GLOVE & GARMENT CO., Mexia, Tex.
Filed November 6, 1925. Serial No. 222,964. PUBLISHED FEBRUARY 2, 1926.

211,630. MISSES' AND LITTLE WOMEN'S SUITS AND DRESSES. KNOBEL & BLOOM, New York, N. Y.
Filed November 7, 1925. Serial No. 222,985. PUBLISHED FEBRUARY 2, 1926.

211,631. MONTHLY MAGAZINE. PATTERSON PUBLISHING COMPANY, Chicago, Ill.
Filed November 7, 1925. Serial No. 222,994. PUBLISHED JANUARY 12, 1926.

211,632. BALL BEARINGS, ROLLER BEARINGS, AND PARTS THEREOF. THE SKAYEF BALL BEARING COMPANY, Hartford, Conn.
Filed November 7, 1925. Serial No. 222,997. PUBLISHED FEBRUARY 2, 1926.

211,633. BALL BEARINGS, ROLLER BEARINGS, RINGS, RETAINERS, WASHERS, CAGES, SEPARATORS, HOUSINGS, BOXES, SUPPORTS, CASINGS, CLOSURES, FASTENING DEVICES FOR BALL AND ROLLER BEARINGS, BALLS AND ROLLERS FOR BEARINGS, CLUTCHES, PULLEYS, AND TEXTILE SPINDLES. THE SKAYEF BALL BEARING COMPANY, Hartford, Conn.
Filed November 7, 1925. Serial No. 222,998. PUBLISHED FEBRUARY 2, 1926.

211,634. ADHESIVE PASTE. CROWLEY, MILNER & COMPANY, Detroit, Mich.
Filed November 9, 1925. Serial No. 223,025. PUBLISHED FEBRUARY 2, 1926.

211,635. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y., assignor to Caleb Crawford Company, Long Island City, N. Y., a Corporation of New York.
Filed November 10, 1925. Serial No. 223,073. PUBLISHED JANUARY 19, 1926.

211,636. LADIES' DRESSES. LENNY ROSENZWEIG DRESS CO. INC., New York, N. Y.
Filed November 11, 1925. Serial No. 223,126. PUBLISHED FEBRUARY 2, 1926.

211,637. TROUSERS. ALBERT D. LESSER, New York, N. Y.
Filed November 11, 1925. Serial No. 223,127. PUBLISHED FEBRUARY 2, 1926.

211,638. HAIR TONIC. WILLIAM FRUBLEUSKY, Worcester, Mass.
Filed December 23, 1925. Serial No. 225,087. PUBLISHED FEBRUARY 2, 1926.

211,639. FUR COATS AND FUR JACKETS. FRANK & BRICKEL, New York, N. Y.
Filed September 22, 1925. Serial No. 220,606. PUBLISHED FEBRUARY 2, 1926.

211,640. MAYONNAISE. EL FOOD CORPORATION, Newark, N. J.
Filed October 7, 1925. Serial No. 221,356. PUBLISHED JANUARY 12, 1926.

211,641. NEWSPAPERS. THE HERALD NEWS COMPANY, El Paso, Tex.
Filed October 12, 1925. Serial No. 221,608. PUBLISHED JANUARY 12, 1926.

211,642. FACE CREAMS, HAND LOTIONS, FACE POWDER, AND TOILET WATER. MARY SARNES, Detroit, Mich.
Filed October 10, 1925. Serial No. 221,569. PUBLISHED JANUARY 19, 1926.

211,643. WHEAT FLOUR. THE ALEXANDER MILLING COMPANY, Winfield, Kans.
Filed October 9, 1925. Serial No. 221,470. PUBLISHED JANUARY 26, 1926.

211,644. CERTAIN NAMED FOODS. CHARLES HEWITT & SONS COMPANY, Des Moines, Iowa.
Filed October 5, 1925. Serial No. 221,257. PUBLISHED JANUARY 26, 1926.

211,645. PREPARATION FOR POLISHING METALS, GLASSWARE, AND ANY FINISHED METALLIC SURFACE. ONG FOON, doing business under the name of the Ong Foon Manufacturing Company, San Francisco, Calif.
Filed October 5, 1925. Serial No. 221,250. PUBLISHED JUNE 12, 1926.

211,646. HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS. M. NATHAN AND BROTHER, INCORPORATED, Johnstown, Pa.
Filed October 3, 1925. Serial No. 221,194. PUBLISHED JANUARY 26, 1926.

211,647. CANNED SAUERKRAUT. THE FREMONT KRAUT COMPANY, Fremont, Ohio.
Filed October 3, 1925. Serial No. 221,175. PUBLISHED JANUARY 26, 1926.

211,648. STEAM TRAPS. THE W. B. CONNOR CO. INC., New York, N. Y.
Filed September 26, 1925. Serial No. 220,842. PUBLISHED JANUARY 19, 1926.

211,649. COMPLETELY-PRINTED BOOKS. THE VIKING PRESS, INC., New York, N. Y.
Filed September 16, 1925. Serial No. 220,330. PUBLISHED JANUARY 26, 1926.

211,650. GENERAL CLEANING PREPARATION IN LIQUID FORM WITH INCIDENTAL WATER-SOFTENING PROPERTIES. RAY A. PRECOURT, Los Angeles, Calif.
Filed September 5 1925. Serial No. 219,909. PUBLISHED JANUARY 12, 1926.

211,651. COMBINATION LIBRARY AND DINING TABLES. IMPERIAL FURNITURE COMPANY, Grand Rapids, Mich.
Filed September 23, 1925. Serial No. 220,657. PUBLISHED FEBRUARY 2, 1926.

211,652. CLEANSING PREPARATION IN POWDER FORM, HAVING DISINFECTING AND DEODORIZING PROPERTIES. FLUXO PRODUCTS COMPANY, INC., Leroy, N. Y.
Filed September 17, 1925. Serial No. 220,338. PUBLISHED FEBRUARY 2, 1926.

211,653. MINERAL FEEDS. MOSELEY MFG. COMPANY, Louisville, Ky.
Filed April 6, 1925. Serial No. 212,280. PUBLISHED JANUARY 26, 1926.

211,654. PASTE USED IN THE TEXTILE INDUSTRY FOR SCOURING WOOL. E. F. DREW & CO., INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,045. PUBLISHED FEBRUARY 2, 1926.

211,655. CANDLE CONTAINERS. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed December 4, 1924. Serial No. 206,261. PUBLISHED FEBRUARY 2, 1926.

211,656. HOLDING AND DISPENSING APPARATUS FOR TUBE RECEPTACLES. KLEINKNECHT & BROSE, Aspinwall, Pa.
Filed March 26, 1924. Serial No. 194,455. PUBLISHED MAY 26, 1925.

211,657. NEWS BAGS MADE FROM COTTON MATERIAL. THE ALLIED BELTING COMPANY, Greenville, Ohio.
Filed October 16, 1924. Serial No. 203,025. PUBLISHED FEBRUARY 2, 1926.

211,658. ELECTRICAL APPLIANCES, PARTICULARLY ELECTRIC FANS. S. A. X. VERTICAL FAN COMPANY, Pittsburgh, Pa.
Filed July 30, 1925. Serial No. 218,144. PUBLISHED FEBRUARY 2, 1926.

211,659. NEWSPAPERS. THE HERALD NEWS COMPANY, El Paso, Tex.
Filed October 13, 1925. Serial No. 221,663. PUBLISHED JANUARY 12, 1926.

211,660. MECHANICS' HAND SOAP. CHARLES F. VALENTINE, Glenwood Springs, Colo.
Filed October 14, 1925. Serial No. 221,725. PUBLISHED JANUARY 12, 1926.

211,661. METAL STREET WASTE RECEPTACLES. AMERICAN SPOTLESS STREET SYSTEM, INC., Petersburg, Va.
Filed November 11, 1925. Serial No. 223,200. PUBLISHED FEBRUARY 2, 1926.

211,662. PREPARATION FOR THE TREATMENT OF RHEUMATISM. G. H. MCCLELLAN AND C. L. JACKSON, Kansas City, Mo.
Filed November 2, 1925. Serial No. 222,604. PUBLISHED FEBRUARY 2, 1926.

211,663. DISH DRAINERS, SPONGE HOLDERS, SOAP DISHES, TOOTHBRUSH HOLDERS, WALL BRACKETS, BROILERS, PLATE RACKS AND HOLDERS, TUMBLER HOLDERS, TOWEL RACKS, PLATIRON RESTS, STRAINERS, SOAP SHAKERS, TOILET-PAPER BRACKETS, PIPE HANGERS, CAKE COOLERS, SHELVING, POT-RACK HOLDERS, KETTLE BOTTOM, AND POT STAND. MARLBORO WIRE GOODS COMPANY, Marlboro, Mass.
Filed October 29, 1925. Serial No. 222,515. PUBLISHED FEBRUARY 2, 1926.

211,664. CAST ALUMINUM COOKING UTENSILS. THE REYNOLDS ALUMINUM COMPANY, New Washington, Ohio.
Filed September 19, 1925. Serial No. 220,469. PUBLISHED FEBRUARY 2, 1926.

211,665. CANNED PEAS, CANNED PEACHES, SPICES, STUFFED OLIVES, CIDER VINEGAR, TOMATO CATCHUP, PEANUT BUTTER, FOOD SIRUP, CANNED SALMON, RICE, FOOD-FLAVORING EXTRACTS, MACARONI, TEA, RAISINS, AND PICKLES. PAXTON & GALLAGHER CO., Omaha, Nebr.
Filed October 31, 1925. Serial No. 222,631. PUBLISHED JANUARY 26, 1926.

211,666. GRANULATED SUGAR. SUCESION J. SERRALLES, Ponce, Porto Rico.
Filed October 31, 1925. Serial No. 222,640. PUBLISHED JANUARY 26, 1926.

211,667. MALTED MILK. ABRAHAM WITT, Hoboken, N. J.
Filed October 31, 1925. Serial No. 222,650. PUBLISHED JANUARY 26, 1926.

211,668. DEODORANT. THE HECK-CONARD CO., INC., Kansas City, Mo.
Filed November 2, 1925. Serial No. 222,676. PUBLISHED FEBRUARY 2, 1926.

211,669. PARLOR BOARD GAME PLAYED WITH PIECES. JOSEPH GRECO, doing business as The Greco Game Mfg. Co., New York, N. Y.
Filed November 13, 1925. Serial No. 223,228. PUBLISHED FEBRUARY 2, 1926.

211,670. CRÊPED, SULPHITE AND SULPHATE, BLEACHED AND UNBLEACHED WRAPPING PAPER. THE PAPER SERVICE COMPANY, Arlington Heights and Lockland, Cincinnati, Ohio.
Filed November 12, 1925. Serial No. 223,186. PUBLISHED FEBRUARY 2, 1926.

211,671. TEXTILE FABRICS IN THE PIECE COMPOSED OF COTTON AND ARTIFICIAL SILK. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed August 27, 1925. Serial No. 219,455. PUBLISHED FEBRUARY 2, 1926.

211,672. WOMEN'S AND MISSES' COATS, SUITS, AND DRESSES. NATIONAL MODES INC., New York, N. Y.
Filed August 24, 1925. Serial No. 219,298. PUBLISHED FEBRUARY 2, 1926.

211,673. REMEDY FOR INDIGESTION, DYSPEPSIA, ULCERS OF THE STOMACH, AND OTHER STOMACH DISORDERS SUCH AS HYPERACIDITY AND HYPERSECRETION. CHARLES E. PAKE, doing business as Pake Medicine Company, Akron, Ohio.
Filed July 29, 1925. Serial No. 218,079. PUBLISHED FEBRUARY 2, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

211,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORMAN F. TATE, doing business as The Dr. N. F. Tate Medicine Company, Amarillo, Tex. Filed Apr. 14, 1925. Serial No. 212,703.

TATE-LAX

Particular description of goods.—Medicine Used Internally for Human Use, Being a Tonic and Laxative.
Claims use since May 1, 1924.

211,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FURNAS ICE CREAM COMPANY, Columbus, Ohio. Filed May 6, 1925. Serial No. 213,898.

YOU CAN TASTE THE QUALITY IN
FURNAS
QUALITY
ICE CREAM

Particular description of goods.—Ice Cream.
Claims use since about Nov. 1, 1923.

211,676. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del. Filed May 26, 1925. Serial No. 214,908.

VENETIAN STRIPES

Particular description of goods.—Shade Cloth in the Piece.
Claims use since September, 1904.

211,677. (CLASS 39. CLOTHING.) HYNES-WEAVER SHIRT CO., St. Louis, Mo. Filed June 22, 1925. Serial No. 216,182.

DUBEL-WEB

Particular description of goods.—Men's, Women's, and Children's Underwear of Textile Fabric.
Claims use since about Mar. 1, 1925.

211,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. MEINHARDT & COMPANY, INC., doing business as Home Manufacturing Company, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 218,982.

QUICK WAY

2 IN 1

HOPMALT

Particular description of goods.—Barley Malt for food Purposes.
Claims use since June 1, 1921.

211,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SERVICE COFFEE COMPANY, Coffeyville, Kans. Filed Nov. 16, 1925. Serial No. 223,416.

JUST FYNE

Particular description of goods.—Coffee in the Bulk, Tea, Spices, and Food-Flavoring Extracts.
Claims use since Dec. 8, 1924.

211,680. (CLASS 39. CLOTHING.) WERNER & WERNER CLOTHING & FURNISHINGS GOODS CO., St. Louis, Mo. Filed Nov. 18, 1925. Serial No. 223,496.

Lennox

Particular description of goods.—Ladies' Coats and Suits.
Claims use since about Feb. 1, 1925.

211,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AXEL H. PETERSON, Mattoon, Wis. Filed Jan. 15, 1920. Serial No. 225,967.

PERFECTION

Particular description of goods.—Nonfreezing Compound for Automobile Radiators.
Claims use since Dec. 1, 1924.

211,682. (CLASS 45. BEVERAGES, NONALCOHOLIC.) D. A. TURCHI SONS, Philadelphia, Pa. Filed Feb. 11, 1926. Serial No. 227,203.

Turchi's 09
Thesso

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Aug. 5, 1922.

211,683. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BEAVER DAM COAL COMPANY, Louisville, Ky. Filed Feb. 8, 1926. Serial No. 226,995.

BEAVER DAM

Particular description of goods.—Coal.
Claims use since Jan. 1, 1917.

211,684. (CLASS 39. CLOTHING.) THE TAYLOR-BRAMLEY COMPANY, Chicopee and Chicopee Falls, Mass. Filed Jan. 21, 1926. Serial No. 226,216.

TAYLORMADE

Particular description of goods.—Infants' and Children's Clothing—Namely, Knickers.
Claims use since Sept. 1, 1924.

211,685. (CLASS 39. CLOTHING.) BECKER TAILORING CO., Cincinnati, Ohio. Filed Dec. 3, 1925. Serial No. 224,170.

Becker
TAILORING CO

Particular description of goods.—Men's, Youths', and Boys' Suits, Coats, Pants, Vests, and Overcoats.
Claims use since Mar. 4, 1915.

TRADE-MARK REGISTRATIONS RENEWED

27,394. GYMNASTIC APPARATUS AND MEDICAL APPLIANCES. Registered December 3, 1895. AKTIEBOLAGET GÖRANSSONS MAKANISKA VERKSTAD LIMITED, Stockholm, Sweden. Renewed December 3, 1925, to Rossel, Schwarz & Co. Aktiengesellschaft, Wiesbaden, Germany, a Corporation of Germany, assignee.

45,410. REED ORGANS. Registered August 15, 1905. MASON & HAMLIN CO., Cambridge, Mass. Renewed August 15, 1925, to Mason & Hamlin Co., Boston, Mass., a Corporation of Massachusetts, assignee.

45,792. AN ANODYNE FOR EXTERNAL AND INTERNAL USE. Registered August 29, 1905. THE NORWICH PHARMACAL COMPANY, New York, N. Y. Renewed August 29, 1925, to The Norwich Pharmacal Company, Norwich, N. Y., a Corporation of New York.

45,988. PIPE ORGANS AND REED ORGANS. Registered September 5, 1905. MASON & HAMLIN CO., Cambridge, Mass. Renewed September 5, 1925, to Mason & Hamlin Co., Boston, Mass., a Corporation of Massachusetts, assignee.

46,159. OINTMENTS AND PREPARATIONS EMPLOYING OILS, BUTTER, GLYCERIN, AND OTHER VISCOUS OR JELLYLIKE SUBSTANCES. Registered September 5, 1905. THE NORWICH PHARMACAL COMPANY, New York, N. Y. Renewed September 5, 1925, to The Norwich Pharmacal Company, Norwich, N. Y., a Corporation of New York.

47,269. PERFUMERY. Registered October 31, 1905. FREDERICK STEARNS & CO. Renewed October 31, 1925, to Frederick Stearns & Company, Detroit, Mich., a Corporation of Michigan.

48,696. HEAVE CURE. Registered January 9, 1906. MARION W. SAVAGE. Renewed January 9, 1926, to International Stock Food Co., Minneapolis, Minn., a Corporation of Maine, successor.

48,711. UNDERWAISTS. Registered January 9, 1906. EDWARD HENRY HORWOOD, New York, N. Y. Renewed January 9, 1926, to E. H. Horwood & Co., New York, N. Y., and Hoboken, N. J., a Corporation of New Jersey, successor.

49,089. RAILWAY-TRACK BOLTS. Registered January 23, 1906. AMERICAN IRON & STEEL M'F'G Co. Lebanon and Reading, Pa. Renewed January 23, 1926, to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania, successor.

49,266. SILVER-PLATED FLAT WARE, HOLLOW WARE, AND TABLEWARE. Registered January 30, 1906. WM. A. ROGERS LIMITED, New York, N. Y., a Corporation of Ontario, Canada. Renewed January 30, 1926.

49,588. TONICS. Registered February 13, 1906. F. AUGUST LUYTIES. Renewed February 13, 1926, to Luyties Pharmacal Company, St. Louis, Mo., a Corporation of Missouri, assignee by mesne assignments.

49,697. BREAD AND CRACKERS. Registered February 13, 1906. GEORGE S. WARD, Pittsburgh, Pa. Renewed February 13, 1926, to Ward Baking Company, New York, N. Y., a Corporation of New York, assignee.

49,749. LEATHER BOOTS AND SHOES. Registered February 13, 1906. THOMAS G. PLANT COMPANY. Renewed February 13, 1926, to Thomas G. Plant Company, Boston, Mass., a Corporation of Massachusetts (new), assignee by mesne assignments.

49,788. LEATHER BOOTS AND SHOES. Registered February 13, 1906. THOMAS G. PLANT COMPANY. Renewed February 13, 1926, to Thomas G. Plant Company, Boston, Mass., a Corporation of Massachusetts (new), assignee by mesne assignments.

50,166. WOOLEN CLOTHS. Registered March 6, 1906. AMERICAN WOOLEN COMPANY. Renewed March 6, 1926, to American Woolen Company, Boston, Mass., a Corporation of Massachusetts, assignee.

50,186. COTTON DAMASK. Registered March 6, 1906. ROSEMARY MANUFACTURING COMPANY, Roanoke Rapids, N. C., a Corporation of North Carolina. Renewed March 6, 1926.

50,326. DEVICES FOR USE IN APPLYING ELECTRICITY. Registered March 13, 1906. JOHN WILSON GIBBS. Renewed March 13, 1926, to John Wilson Gibbs, M. D., New York, N. Y., a Copartnership, successor.

50,337. CORSETS. Registered March 13, 1906. ROYAL WORCESTER CORSET COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed March 13, 1926.

50,458. SCISSORS. Registered March 20, 1906. CARL F. BOKER. Renewed March 20, 1926, to H. Boker & Co., Inc., New York, N. Y., a Corporation of New York, assignee.

50,495. POWDERED STOVE POLISH. Registered March 20, 1906. X-RAY STOVE POLISH Co. Renewed March 20, 1926, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

50,624. COFFEE. Registered March 27, 1906. A. SCHILLING & COMPANY. Renewed March 27, 1926, to A. Schilling & Co., San Francisco, Calif., a Corporation of California, successor.

50,642. STEEL. Registered March 27, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed March 27, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

50,643. STEEL. Registered March 27, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed March 27, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

50,871. SNUFF. Registered April 3, 1906. BYFIELD SNUFF Co. Renewed April 3, 1926, to Byfield Snuff Company, Byfield, Mass., a Corporation of Massachusetts, successor.

50,897. STEEL. Registered April 3, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed April 3, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

50,898. STEEL. Registered April 3, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed April 3, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

50,899. STEEL. Registered April 3, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed April 3, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

50,957. WATCH GLASSES. Registered April 3, 1906. ALBERT BERGER & Co., New York, N. Y. Renewed April 3, 1926, to Albert Berger & Co., New York, N. Y., also doing business as La Societe Albert Berger et Cie., Goetzenbruck, France.

51,288. CANNED SALMON. Registered April 10, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed April 10, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

51,321. CANNED SALMON. Registered April 10, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed April 10, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

51,322 CANNED SALMON. Registered April 10, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed April 10, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

51,463. CANNED SALMON. Registered April 17, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed April 17, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

51,467. WHEAT FLOUR. Registered April 17, 1906. THE HAYNES MILLING COMPANY, Portland, Ind., a Corporation of Indiana. Renewed April 17, 1926.

51,566. EXPLOSIVES. Registered April 17, 1906. NOBEL'S EXPLOSIVES COMPANY LIMITED, Glasgow, Scotland. Renewed April 17, 1926, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

51,632. A CERTAIN PROPRIETARY REMEDY FOR EXTERNAL APPLICATION TO ANIMALS. Registered April 17, 1906. THE BRANDRETH Co., Ossining-on-Hudson and New York, N. Y. Renewed April 17, 1926, to The Salvacea Company, Inc., Ossining and New York, N. Y., a Corporation of New York, assignee.

51,802. ALE AND STOUT. Registered April 24, 1906. C. MACHEN & HUDSON. Renewed April 24, 1926, to C. Machen & Hudson, Limited, Liverpool, England, a Corporation of Great Britain, assignee.

51,884. EYEGLASSES, SPECTACLES, AND PARTS AND REPAIRS AND CASES THEREFOR. Registered April 24, 1906. E. KIRSTEIN SONS Co., Rochester, N. Y. Renewed April 24, 1926, to Shur-On Standard Optical Co. Inc., Geneva, N. Y., a Corporation of New York, assignee.

52,127. STOVES AND RANGES. Registered May 1, 1906. BERGSTROM STOVE Co. Renewed May 1, 1926, to Bergstrom Stove Co., Neenah, Wis., a Corporation of Wisconsin, assignee.

52,260. STEEL. Registered May 8, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed May 8, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

52,261. STEEL. Registered May 8, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed May 8, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

52,277 STEEL. Registered May 8, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed May 8, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

52,278. STEEL. Registered May 8, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed May 8, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

52,312. POLISH FOR SHOES. Registered May 8, 1906. WHITTEMORE BROTHERS AND COMPANY. Renewed May 8, 1926, to Whittemore Brothers Corporation, Cambridge, Mass., a Corporation of Massachusetts, assignee.

52,388. WIRE CLOTHS AND SCREENS. Registered May 8, 1906. THE W. S. TYLER COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed May 8, 1926.

52,486. CHEWING AND SMOKING TOBACCO. Registered May 8, 1906. HOFFMAN AND COMPANY, Red Hook, N. Y. Renewed May 8, 1926.

52,583. CENTRIFUGAL LIQUID SEPARATORS. Registered May 15, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Renewed May 15, 1926, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey.

52,657. STEEL. Registered May 15, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed May 15, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

52,858. BISCUIT OR CRACKERS. Registered May 22, 1906. THE NATURAL FOOD COMPANY. Renewed May 22, 1926, to The Shredded Wheat Company, Niagara Falls, N. Y., a Corporation of New York, assignee.

52,947. SKIRTS AND PETTICOATS. Registered May 22, 1906. BROWN, DURRELL & Co. Renewed May 22, 1926, to Brown Durrell Co., Boston, Mass., a Corporation of Massachusetts, assignee by mesne assignments.

52,995. CREAM SEPARATORS. Registered May 22, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Renewed May 22, 1926, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey.

52,996 CREAM SEPARATORS. Registered May 22, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Renewed May 22, 1926, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey.

53,086. REMEDY FOR CERTAIN NAMED DISEASES. Registered May 22, 1906. THE MORO MEDICAL Co., Montreal, Canada. Renewed May 22, 1926, to Franco-American Chemical Company, Limited, Boston, Mass., and Montreal, Canada, a Corporation of Canada, successor.

53,116. STEEL. Registered May 29, 1906. CANTON STEEL COMPANY, Pittsburgh, Pa. Renewed May 29, 1926, to Canton Steel Company, New York, N. Y., a Corporation of Pennsylvania.

53,118. STEEL. Registered May 29, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed May 29, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

53,137. A MAGAZINE. Registered May 29, 1906. ERNST M. BEST, New York, N. Y. Renewed May 29, 1926.

53,140. SILVER TABLE CUTLERY. Registered May 29, 1906. CURTIN & CLARK HARDWARE COMPANY, St. Joseph, Mo., a Corporation of Missouri. Renewed May 29, 1926.

53,199. PROPRIETARY MEDICINE. Registered May 29, 1906. THE BRANDRETH Co. Renewed May 29, 1926, to The Salvacea Company, Inc., Ossining and New York, N. Y., a Corporation of New York, assignee.

53,255. COATS, VESTS, TROUSERS, AND OVERALLS. Registered May 29, 1906. O'BRYAN BROS. Renewed May 29, 1926, to O'Bryan Bros. Inc., Nashville, Tenn., a Corporation of Tennessee, successor.

53,269. CANNED SALMON. Registered May 29, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed May 29, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

53,335. MINERAL WATER. Registered May 29, 1906. DIE ACTIENGESELLSCHAFT APOLLINARIS BRUNNEN. Renewed May 29, 1926, to Apollinaris Brunnen Actien Gesellschaft, Neuenahr, Germany, a Corporation of Germany, successor.

53,336. POISON FOR INSECTS. Registered May 29, 1906. ROBERT DRUMM, Fort Worth, Tex. Renewed May 29, 1926.

53,532. CHEWING GUM. Registered June 5, 1906. AMERICAN CHICLE Co., New York, N. Y. Renewed June 5, 1926, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey.

53,534. CHEWING GUM. Registered June 5, 1906. AMERICAN CHICLE Co., New York, N. Y. Renewed June 5, 1926, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey.

53,581. MEDICAL COMPOUND. Registered June 5, 1906. THE BRANDRETH Co. Renewed June 5, 1926, to The Salvacea Company, Inc., Ossining and New York, N. Y., a Corporation of New York, assignee.

53,724. ELECTRICAL APPLIANCES FOR ASSISTING THE HEARING. Registered June 12, 1906. CHARLES W. HARPER, Boston, Mass. Renewed June 12, 1926.

53,738. CANNED SALMON. Registered June 12, 1906. ALASKA PACKERS ASSOCIATION, San Francisco, Calif., a Corporation of California. Renewed June 12, 1926.

53,747. PERCUSSION CAPS. Registered June 12, 1906. ELEY BROTHERS LIMITED, London, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,830. CHILDREN'S SUITS AND PARTS OF SUITS. Registered June 12, 1906. JONES BROS. OVERALL COMPANY, Dubuque, Iowa. Renewed June 12, 1926, to Jones Bros. Garment Co., Los Angeles, Calif., a Corporation of Iowa, successor.

53,951. SHINGLE STAINS. Registered June 19, 1906. DEXTER BROTHERS Co., Boston, Mass., a Corporation of Massachusetts. Renewed June 19, 1926.

53,968. TOBACCO PIPES, CIGAR AND CIGARETTE TUBES. Registered June 19, 1906. ADOLPH FRANKAU & Co. LTD., London, England. Renewed June 19, 1926, to B. B. B. Pipe Co. Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

54,090. POLISH FOR CLEANING AND POLISHING RUSSET AND TAN-COLORED SHOES. Registered June 19, 1906. WHITTEMORE BRO'S. AND CO. Renewed June 19, 1926, to Whittemore Brothers Corporation, Cambridge, Mass., a Corporation of Massachusetts, assignee.

54,189. CANNED SALMON. Registered June 19, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed June 19, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

54,190. CANNED SALMON. Registered June 19, 1906. FIDALGO ISLAND PACKING Co., Anacortes, Wash. Renewed June 19, 1926, to Fidalgo Island Packing Company, Seattle, Wash., a Corporation of Maine.

54,221. VARNISHES. Registered June 19, 1906. CHASE, ROBERTS & COMPANY, Dobbs Ferry and Long Island City, N. Y. Renewed June 19, 1926, to Chase, Roberts & Company, Long Island City, N. Y., a Corporation of New York.

54,240. GLASS CUTTERS. Registered June 26, 1906. WILLIAM L. BARRETT, Bristol, Conn. Renewed June 26, 1926.

54,315. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER BOOTS AND SHOES. Registered June 26, 1906. THOMAS G. PLANT COMPANY. Renewed June 26, 1926, to Thomas G. Plant Company, Boston, Mass., a Corporation of Massachusetts (new), assignee by mesne assignments.

54,506. CHEWING GUM. Registered June 26, 1906. AMERICAN CHICLE CO., New York, N. Y. Renewed June 26, 1926, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey.

54,525. RUBBER BOOTS AND SHOES OF ALL KINDS. Registered June 26, 1906. RICE & HUTCHINS, INCORPORATED. Renewed June 26, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

54,526. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered June 26, 1906. RICE & HUTCHINS, INCORPORATED. Renewed June 26, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

54,592. MATTRESSES AND PILLOWS. Registered June 26, 1906. CHITTENDEN & EASTMAN CO. Renewed June 26, 1926, to Chittenden & Eastman Company, Burlington, Iowa, a Corporation of Iowa.

54,688. INDURATED-FIBER WARE. Registered June 26, 1906. UNITED INDURATED FIBRE CO. OF NEW JERSEY, Lockport, N. Y. Renewed June 26, 1926, to Cordley & Hayes, New York, N. Y., a Corporation of New York, successor.

54,697. MACHINES FOR PRINTING ADDRESSES OR OTHER MATTER. Registered June 26, 1906. ADDRESSOGRAPH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed June 26, 1926.

54,731. SILVER-PLATED FLAT WARE, HOLLOW WARE, AND TABLEWARE. Registered June 26, 1906. WM. A. ROGERS LIMITED, New York, N. Y., a Corporation of Ontario, Canada. Renewed June 26, 1926.

54,807. MIXED PAINT. Registered July 31, 1906. CHAS. R. LONG JR. COMPANY, Louisville, Ky., a Corporation of Kentucky. Renewed July 31, 1926.

54,826. HAVANA CIGARS. Registered July 31, 1906. HAVANA COMMERCIAL COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 31, 1926.

54,846. FRUIT JARS. Registered July 31, 1906. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va., a Corporation of West Virginia. Renewed July 31, 1926.

54,868. CREAM SEPARATORS OF ALL KINDS. Registered July 31, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Renewed July 31, 1926, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey.

54,920. HAVANA CIGARS. Registered August 7, 1906. J. S. MURIAS Y CA., New York, N. Y. Renewed August 7, 1926, to H. De Cabanas y Carbajal, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

54,937. HAVANA CIGARS. Registered August 7, 1906. HAVANA COMMERCIAL COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed August 7, 1926.

54,944. CHOCOLATE CANDY. Registered August 7, 1906. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 7, 1926.

54,945. CHOCOLATE CANDY. Registered August 7, 1906. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 7, 1926.

54,946. HARD AND SOFT CANDY. Registered August 7, 1906. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 7, 1926.

54,978. MEDICATED UTERINE WAFERS. Registered August 7, 1906. JOHN H. MILLER, Warren, Pa. Renewed August 7, 1926.

55,020. LEATHER BOOTS AND SHOES. Registered August 7, 1906. BEASLEY HARWOOD SHOE CO. INC. Renewed August 7, 1926, to Beasley Shoe Company, Inc., Lynchburg, Va., a Corporat'on of Virginia, successor.

55,052. WRITING PAPER. Registered August 7, 1906. THE CINCINNATI CORDAGE & PAPER CO., Cincinnati, Ohio, a Corporation of Ohio. Renewed August 7, 1926.

55,153. HAVANA CIGARS. Registered August 7, 1906. H. DE CABANAS Y CARBAJAL, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed August 7, 1926.

55,290. HAVANA CIGARS. Registered August 14, 1906. HAVANA COMMERCIAL COMPANY, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed August 14, 1926.

55,402. UNLINED LINEN FIRE HOSE. Registered August 14, 1906. CHARLES NUHRING, Cincinnati, Ohio. Renewed August 14, 1926.

55,527. READY-MIXED PAINTS. Registered August 14, 1906. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,555. A MACHINE FOR FILING AND GUMMING GIN SAWS. Registered August 14, 1906. THE A. A. WOOD & SONS CO., Atlanta, Ga., a Corporation of Georgia. Renewed August 14, 1926.

56,101. COFFEE. Registered August 21, 1906. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a Corporation of Ohio. Renewed August 21, 1926.

LABELS

REGISTERED APRIL 13, 1926.

30,177.—*Title:* AFCO PORTER MALT SYRUP. For Malt Sirup. ATLANTIC FOOD PRODUCTS CORP., Philadelphia, Pa. Published February 6, 1926.

30,178.—*Title:* FINESSE. For Face Powder. BETTS & MUMPETON, New York, N. Y. Published December 30, 1924.

30,179.—*Title:* WINDSOR WILTON RUG. For Rugs. H. G. FETTEROLF COMPANY, Philadelphia, Pa. Published February 25, 1925.

30,180.—*Title:* SILVER SPRAY. For Soft Drinks. THE FITGER COMPANY, Duluth, Minn. Published February 25, 1926.

30,181.—*Title:* GRAF'S QUALITY EXTRA DRY FAMOUS BRAND GINGERALE. For Ginger Ale. JOHN GRAF COMPANY, Milwaukee, Wis. Published December 12, 1925.

30,182.—*Title:* LARSEN'S. For Canned Peas. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Published February 15, 1926.

30,183.—*Title:* TOY TOWN. For Canned Peas. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Published February 15, 1926.

30,184.—*Title:* LILY. For Canned Peas. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Published February 15, 1926.

30,185.—*Title:* NORTH SHORE ROYAL FOOD. For Canned Peas. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Published February 15, 1926.

30,186.—*Title:* RIVERDALE. For Tomatoes. JOHN MORRELL & Co., Ottumwa, Iowa. Published October 13, 1925.

30,187.—*Title:* RIVERDALE. For Corn. JOHN MORRELL & Co., Ottumwa, Iowa. Published September 12, 1925.

30,188.—*Title:* RIVERDALE. For Cut Green Beans. JOHN MORRELL & Co., Ottumwa, Iowa. Published September 8, 1925.

30,189.—*Title:* RIVERDALE. For Sugar Peas. JOHN MORRELL & Co., Ottumwa, Iowa. Published September 8, 1925.

30,190.—*Title:* YORKSHIRE FARM. For Full Cream Cheese. JOHN MORRELL & Co., Ottumwa, Iowa. Published October 1, 1925.

30,191.—*Title:* PITTSBURGH PALE GINGER ALE. For Ginger Ale. A. NOE & SON, Sharpsburg, Pa. Published November 2, 1925.

30,192.—*Title:* BLUE TAG. For Canned Pears. ROBT. C. PAULUS & Co., Salem, Oreg. Published December 1, 1925.

30,193.—*Title:* SUNGOLD. For Evaporated Prunes. ROBT. C. PAULUS & Co., Salem, Oreg. Published January 27, 1926.

30,194.—*Title:* GREEN TAG. For Canned Pears. ROBT. C. PAULUS & Co., Salem, Oreg. Published December 1, 1925.

30,195.—*Title:* RED TAG. For Canned Pears. ROBT. C. PAULUS & Co., Salem, Oreg. Published December 1, 1925.

30,196.—*Title:* WHITE TAG. For Canned Pears. ROBT. C. PAULUS & Co., Salem, Oreg. Published December 1, 1925.

30,197.—*Title:* LAKEWOOD. For Northwestern French Prunes. ROBT. C. PAULUS & Co., Salem, Oreg. Published January 27, 1926.

30,198.—*Title:* CRATER BLUE. For Canned Pears. ROBT. C. PAULUS & Co., Salem, Oreg. Published December 1, 1925.

30,199.—*Title:* SECOND NATIONAL BANK BUILDING. For Cigars. PENNANT CIGAR FACTORY, Saginaw, West Side, Mich. Published February 11, 1926.

30,200.—*Title:* COUNTRY COUSIN. For Canned Corn. THE ROSSVILLE PACKING CO., Rossville, Ill. Published January 2, 1926.

30,201.—*Title:* TIP-TOP. For Butter. TIP-TOP CREAMERY COMPANY, Vincennes, Ind. Published January 1, 1926.

30,202.—*Title:* WATERBURY CLOCKS. For Clocks. WATERBURY CLOCK COMPANY, Waterbury, Conn. Published November 15, 1925.

PRINTS

REGISTERED APRIL 13, 1926.

8,693.—*Title:* YES! BANANAS THE BODY BUILDER. For Bananas. BAUERLEIN INCORPORATED, New Orleans, La. Published December 1, 1925.

8,694.—*Title:* THE SMOOTH WAY TO ROUGH IT. For Camp Stoves. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published February 10, 1926.

8,695.—*Title:* DIFFIN'S ISLAND FREEZE. For Ice-Cream Cones. HARRY DAVIS DIFFIN, Avalon, Santa Catalina Island, Calif. Published June 1, 1925.

8,696.—*Title:* IT ALMOST SEEMS AS IF YOU JUST COULDN'T HAVE A WEDDING WITHOUT CRANE'S KID FINISH. For Writing Papers. EATON, CRANE & PIKE CO., Pittsfield, Mass. Published January 15, 1926.

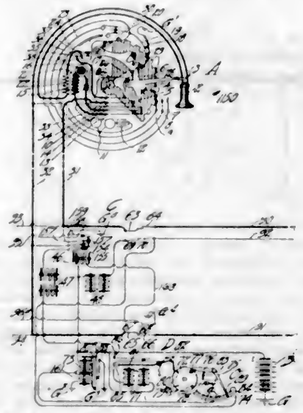
8,697.—*Title:* THIS TASTE—HAS CAPTURED ALL AMERICA! For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published February 6, 1926.

8,698.—*Title:* FOUR OUT OF FIVE OF THEM WILL GET PYORRHEA! For Tooth Paste. FORHAN COMPANY, New York, N. Y. Published September 29, 1925.

REISSUES

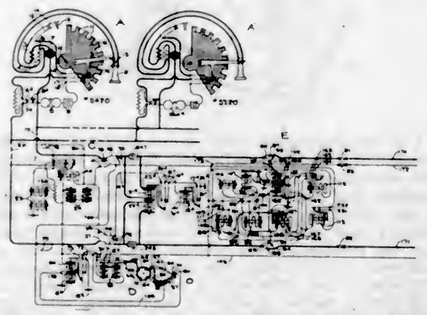
APRIL 13, 1926.

16,316. TELEPHONE-EXCHANGE SYSTEM. ALEXANDER E. KEITH, Hinsdale, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 23, 1918. Serial No. 236,249. Original No. 1,217,121, dated Feb. 20, 1917, Serial No. 373,649, filed May 14, 1907. 108 Claims. (Cl. 179—18.)



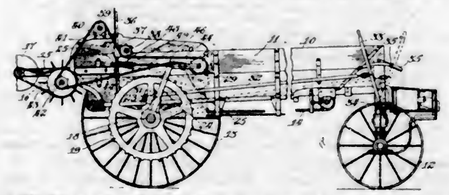
1. In a telephone system, a selector, a trunk line leading from said selector, a couple of line switches allotted to said trunk line, the first line switch operable directly from said trunk line, a connector switch adapted to be seized by said first line switch, the said connector switch adapted to be operated after being seized by said first line switch whereby a circuit connection may be completed to the second line switch and to the subscriber's line allotted to said second line switch, means whereby said second line switch is automatically operated to connect the trunk line directly to the subscriber's line and to at the same time cause the automatic release of the connector and said first line switch.

16,317. TWO-WIRE AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 30, 1918. Serial No. 252,018. Original application filed Mar. 21, 1908, Serial No. 422,462. Renewed Apr. 12, 1917, Serial No. 161,680. Original No. 1,249,159, dated Dec. 4, 1917. 74 Claims. (Cl. 179—17.)



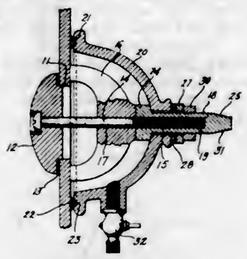
1. In a telephone system, subscribers' lines, each substation having a calling mechanism operative in response to manual operation thereof to transmit current for one digit of the called number and then come to rest before further manual operation for the next digit, means for extending connection to a called line by using the two sides of the calling line in series, a plurality of substations on the called line, means for selectively ringing the different substations on the party-line, said first means comprising a trunk selector individual to the calling line, trunk lines accessible to said selector, and means for said trunk selector responsive to perform the first trunking operation of the selector in response to the closure of both sides of the calling line in series to reject busy trunks and to select an idle trunk independent of any further action from the line.

16,318. DRIVE MECHANISM FOR MANURE SPREADERS. ERNEST C. SMITH, Paw Paw, Mich., assignor to International Harvester Company, a Corporation of New Jersey. Filed Aug. 4, 1924. Serial No. 730,120. Original No. 1,486,930, dated Mar. 18, 1924, Serial No. 324,572, filed Sept. 18, 1919. 28 Claims. (Cl. 74—21.)



23. In a spreader, distributing mechanism, a driving sprocket wheel, an endless sprocket chain associated with said mechanism to drive the same extending in a loop past one side of said wheel, a yieldable tension device engaged with said loop and adapted to hold one run thereof against the sprocket wheel and at the same time keep the chain taut in all positions of adjustment, and means acting independently of said tension device for holding the aforesaid run of the loop clear of the sprocket wheel.

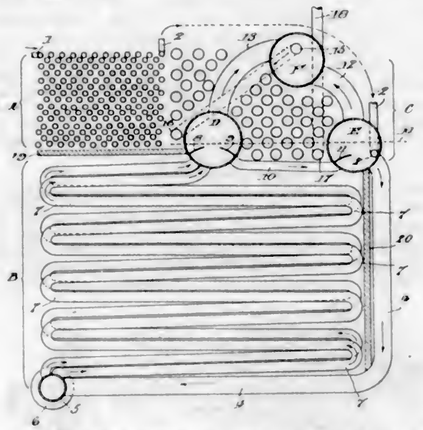
16,319. HANDHOLE EMERGENCY CAP. WILLIAM G. WILSON, West New Brighton, N. Y., assignor to E. G. Daniels, New York, N. Y. Filed May 11, 1925. Serial No. 29,340. Original No. 1,526,263, dated Feb. 10, 1925, Serial No. 683,802, filed Dec. 31, 1923. 17 Claims. (Cl. 220—25.)



1. In a device of the character described, a plate having a hand-hole opening therein; means for sealing the opening, including a head on the inside of the plate, means connected to the head to act as a brace for the head against the outside of the plate; and an emergency cap set against the outside of the plate over the brace, said cap being of a construction to form a steam-tight closure for the hand-hole when so set to the plate, and

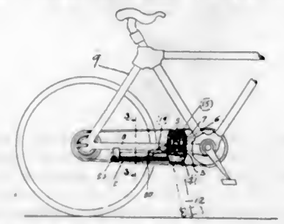
being thus placeable, and securable in place while the brace, and connections therefrom to the head, remain undisturbed, for temporarily stopping a leak through the opening.

16,320. WATER-TUBE STEAM PRODUCER. JEROME L. TINDALL, Pueblo, Colo. Filed Nov. 27, 1922. Serial No. 603,645. Original No. 1,412,904, dated Apr. 18, 1922, Serial No. 392,312, filed June 28, 1920. 8 Claims. (Cl. 122—356.)



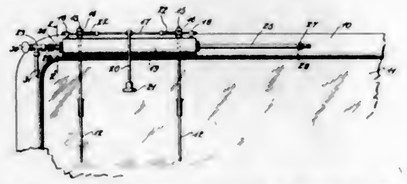
1. A water tube steam-producing appliance of the class described, comprising in combination, two tubular sections, the first section disposed at the outlet of the furnace gases, and provided to absorb the remaining heat by contact of the gases with the numerous small horizontal tubes containing the cool water from the supply pipe, the second section comprising numerous horizontally disposed pipes in tiers and provided to generate the steam by contact with the hottest gases of the furnace, two large horizontally-disposed cylinders situate above said second section and extending parallel with the tubes of the first section, which is over one end of the second section, one of said cylinders being over the opposite end of the second section from the first section and the other located near the first section, the space between said cylinders being the passage for the hot gases from the second section to the first section, a baffle shield extending horizontally under the first section and over the end of the second section and into contact with the side of the nearest cylinder provided to conduct the hot gases from the second section up between said cylinders, and an upright baffle shield extending downwardly from the under side of the other cylinder.

16,321. SUPPORT FOR MOTOR CYCLES, BICYCLES, ETC. ELDON C. HENDERSON, San Francisco, Calif. Filed Dec. 26, 1925. Serial No. 77,847. Original No. 1,539,115, dated May 26, 1925, Serial No. 684,768, filed Jan. 7, 1924. 9 Claims. (Cl. 208—79.)



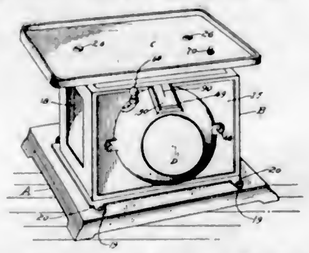
1. A device, such as described, comprising a clamp attachable in an angularly inclined position to the frame on one side of a bicycle; a single support arm pivotally attached to said clamp; a spring connected, at its opposite ends, to said clamp and arm; means on said clamp to limit the downward movement of said support arm and means on said arm to engage said bicycle frame to limit the upward movement of said arm.

16,322. POWER-OPERATED WINDSHIELD CLEANER. HENRY HUEBER, Seattle, Wash., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Filed Sept. 4, 1923. Serial No. 660,958. Original No. 1,437,521, dated Dec. 5, 1922, Serial No. 403,790, filed Aug. 16, 1920. 16 Claims. (Cl. 15—253.)



1. In an apparatus for cleaning windshields, a stationary support, means to secure said support to the inner side of the top rail of a windshield frame, a member mounted to reciprocate upon said support, a rod rotatably carried by said reciprocating member and extending parallel with the axis of reciprocation thereof, an arm pivoted on said rod and extending forwardly over the top rail of the windshield frame and then downwardly in front of the glass of said windshield, a cleaning element fixed to the lower end of said arm in position to engage the outer face of said windshield glass, a second arm fixed to said rod and extending downwardly adjacent the opposite face of said glass, an anti-friction member upon the lower end of the last named arm engaging the last named face of the windshield glass, and a coil spring engaging the rod and the first named arm for yieldingly urging the cleaning element and the anti-friction member into engagement with the respective faces of the windshield glass.

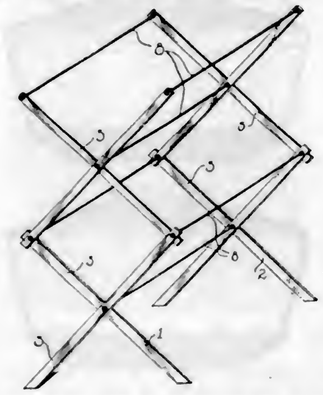
16,323. WEIGHING SCALE. MATHIAS J. WEBER, Chicago, Ill., assignor, by mesne assignments, to The Healthometer Co., a Corporation of Illinois. Filed Nov. 27, 1925. Serial No. 71,787. Original No. 1,249,262, dated Dec. 4, 1917, Serial No. 143,247, filed Jan. 19, 1917. 12 Claims. (Cl. 265—68.)



1. In weighing scales of the nature described, the combination, of a casing, a rectangular frame in said casing, said rectangular frame having top, bottom, and side members, said rectangular frame being pivotally mounted in said casing, a platform mounted on said rectangular frame, a beam suspended in said rectangular frame below said top member, springs hitched to the extremities of said beam at one of their ends and to the bottom member aforesaid at their other ends, a rack pivotally secured to said bottom member, a shaft in said casing, said shaft having a pinion engaging said rack, and a dial mounted on the outer end of said shaft, said dial comprising a

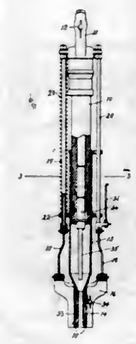
plane circular bottom and a flaring rim thereon, there being on the outer surface of said rim two series of indicia indicating weight.

16,324. CLOTHESRACK. OTTO G. SCHMITT, Chicago, Ill. Filed Nov. 27, 1925. Serial No. 71,786. Original No. 1,533,470, dated Apr. 14, 1925, Serial No. 552,465, filed Apr. 14, 1922. 5 Claims. (Cl. 68—34.)



1. A collapsible clothes rack comprising a plurality of bars, sleeves for pivotally securing said bars together, rods having their ends mounted in said sleeves, and means for permanently locking said rods in said sleeves.

16,325. NAILING MACHINE. WILLIAM N. OEHM and GOMERT POWELL, Michigan City, Ind. Filed Nov. 20, 1922. Serial No. 602,172. Original application filed Dec. 2, 1920, Serial No. 427,821. Divided and application filed July 20, 1921, Serial No. 486,112. Original No. 1,412,626, dated Apr. 11, 1922. 16 Claims. (Cl. 1—46.1.)

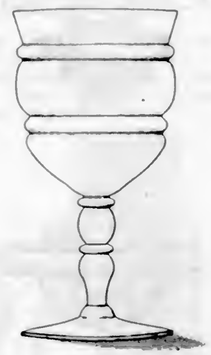


15. In a nailing machine, the combination of means to support a nail in position to be driven, means including a power hammer for delivering a series of blows in quick succession on each nail, means to control the operation of the hammer, and means to grip the floor and prevent the machine from shifting its position while the hammer is in operation.

DESIGNS

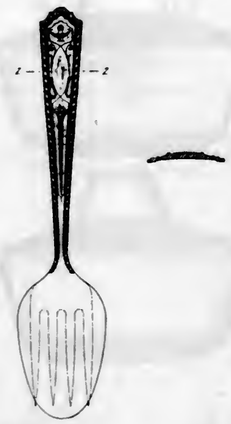
APRIL 13, 1926.

69,868. GLASS GOBLET OR SIMILAR ARTICLE. ELMER BELL, Mount Plesant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1926. Serial No. 16,284. Term of patent 14 years.



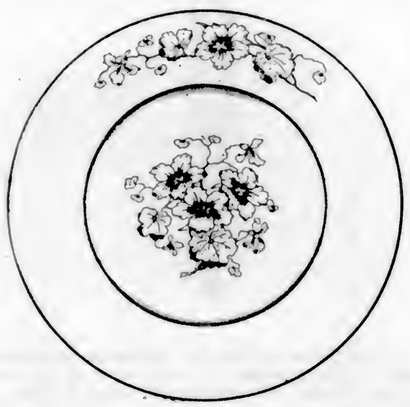
The ornamental design for a glass goblet or similar article, as shown.

69,869. SPOON OR SIMILAR ARTICLE. ROY L. DANKS and MAX L. BAKER, New Haven, Conn., assignors to The Regal Silver Mfg. Co., New Haven, Conn., a Corporation. Filed Nov. 14, 1925. Serial No. 15,423. Term of patent 14 years.



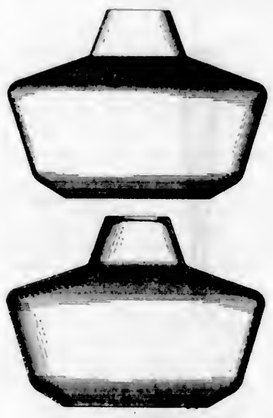
The ornamental design for a spoon or similar article as shown.

69,870. PLATE OR SIMILAR ARTICLE. WALTER DE VILLE, East Liverpool, Ohio, assignor to The C. C. Thompson Pottery Company, East Liverpool, Ohio, a Corporation of Ohio. Filed Feb. 9, 1926. Serial No. 16,455. Term of patent 7 years.



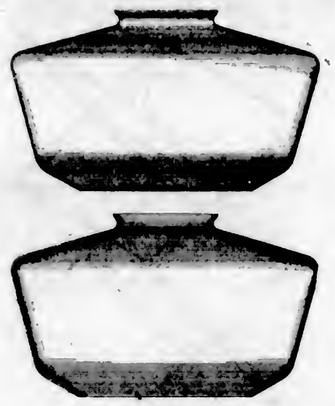
The ornamental design for a plate or similar article as shown.

69,871. SHADE FOR LIGHTING FIXTURES. HENRY D'OLIER, Jr., Bridgeport, Conn. Filed Mar. 21, 1924. Serial No. 9,023. Term of patent 14 years.



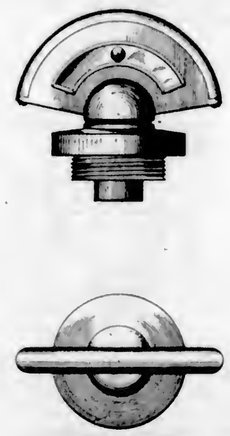
The ornamental design for a shade for lighting fixtures, as shown.

69,872. SHADE FOR LIGHTING FIXTURES. HENRY D'OLIER, Jr., Bridgeport, Conn. Filed Mar. 21, 1924. Serial No. 9,022. Term of patent 14 years.



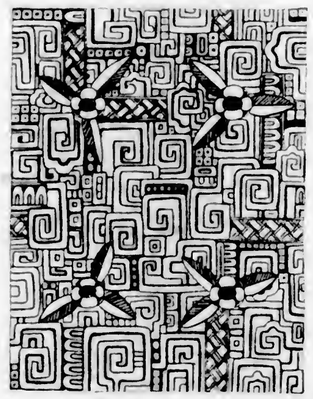
The ornamental design for a shade for lighting fixtures, as shown.

69,873. COMBINED RADIATOR CAP AND THERMOMETER. RALPH A. DURLAND, Newburgh, N. Y. Filed Apr. 12, 1923. Serial No. 5,793. Term of patent 3½ years.



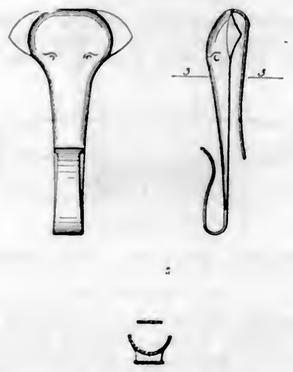
The ornamental design for a combined radiator cap and thermometer, as shown.

69,874. TEXTILE FABRIC. CHARLES B. FALLS, New York, N. Y., assignor to Stehli Silks Corporation, a Corporation of New York. Filed Jan. 15, 1926. Serial No. 16,070. Term of patent 3½ years.



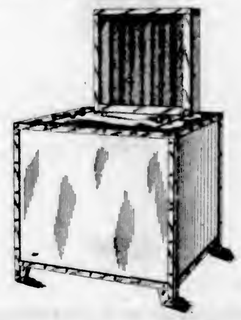
The ornamental design for a textile fabric, as shown.

69,875. DISPLAY HOOK. PAUL FRANTSITS, Wilmerding, Pa. Filed Oct. 8, 1925. Serial No. 15,064. Term of patent 14 years.



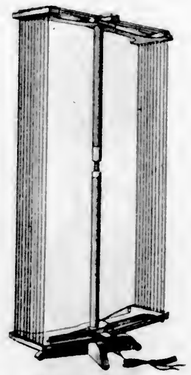
The ornamental design for a display hook, as shown.

69,876. BOTTLE REFRIGERATOR. CHESTER A. FRICK, Muncie, Ind. Filed Jan. 10, 1925. Serial No. 11,995. Term of patent 14 years.



The ornamental design for a bottle refrigerator as shown.

69,877. RADIO LOOP. JAMES M. GAAR, New York, N. Y. Filed Aug. 19, 1924. Serial No. 10,491. Term of patent 3½ years.

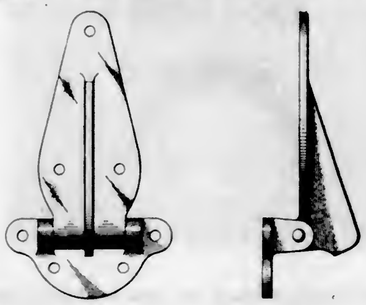


The ornamental design for a radio loop, as shown.

69,878. TEAPOT OR SIMILAR ARTICLE. CHARLES H. GREENWOOD, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1926. Serial No. 16,321. Term of patent 14 years.

The ornamental design for a teapot or similar article, as shown.

69,879. HINGE. GUSTAV J. GRUENDLER, Clayton, Mo. Filed Feb. 5, 1926. Serial No. 16,407. Term of patent 7 years.

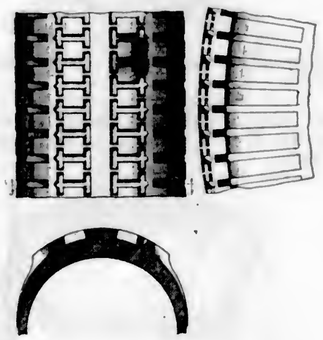


The ornamental design for a hinge, as shown.

69,880. COMBINED PERFUME BOTTLE AND HOLDER. JOSEPH A. FIELDS, New York, N. Y. Filed Dec. 26, 1924. Serial No. 11,806. Term of patent 14 years.

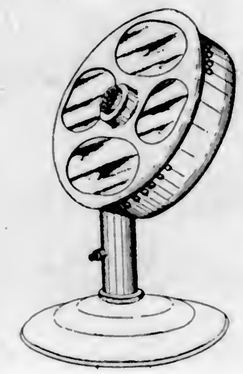
The ornamental design for a combined perfume bottle and holder as shown.

69,881. TIRE TREAD. FRANCIS RAYMOND FISHER, Racine, Wis., assignor to Racine Rubber Company, Racine, Wis., a Corporation of Wisconsin. Filed Jan. 25, 1926. Serial No. 16,251. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

69,882. COMBINED CIGAR LIGHTER AND ADVERTISING DISPLAY STAND. JAMES J. GIBNEY, Minneapolis, Minn. Filed Dec. 4, 1925. Serial No. 15,632. Term of patent 7 years.



The ornamental design for a combined cigar lighter and advertising display stand, as shown.

69,883. RUBBER BATHING GARTER. CATHERINE M. HANNON, Staten Island, N. Y. Filed Oct. 15, 1925. Serial No. 15,124. Term of patent 7 years.

The ornamental design for a rubber bathing garter as shown.

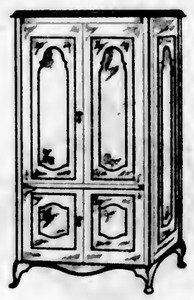
69,884. JEWEL STONE OR AN ARTICLE OF SIMILAR NATURE. MILTON J. HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 21, 1925. Serial No. 12,449. Term of patent 3½ years.

The ornamental design for a jewel stone or an article of similar nature as shown.

69,885. JEWEL STONE OR AN ARTICLE OF SIMILAR NATURE. MILTON J. HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 21, 1925. Serial No. 12,450. Term of patent 3½ years.

The ornamental design for a jewel stone or an article of similar nature as shown.

69,886. CABINET HEATER. SIDNEY W. HETHERINGTON, Louisville, Ky., assignor to Anchor Stove & Range Co., New Albany, Ind. Filed Jan. 8, 1925. Serial No. 11,960. Term of patent 3½ years.



The ornamental design for a cabinet heater as shown.

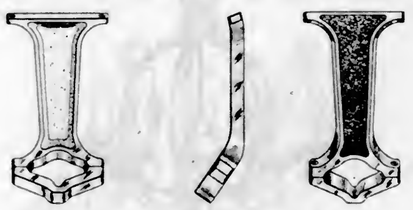
69,887. FUR. FREDERICK W. HORSTMANN, Maplewood, N. J. Filed Sept. 22, 1925. Serial No. 14,851. Term of patent 14 years.

The ornamental design for a fur, as shown and described.

69,888. FUR. FREDERICK W. HORSTMANN, Maplewood, N. J. Filed Nov. 17, 1925. Serial No. 15,437. Term of patent 14 years.

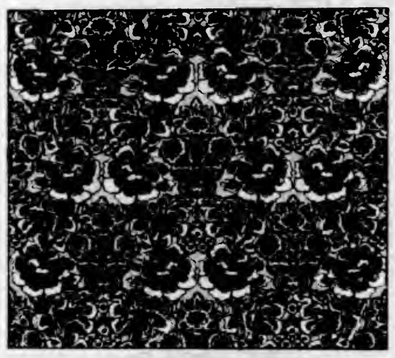
The ornamental design for a fur, as shown and described.

69,889. STEERING-POST BRACE. WILLIAM L. HOWE, Jr., Overland, Mo. Filed Jan. 15, 1923. Serial No. 4,888. Term of patent 7 years.



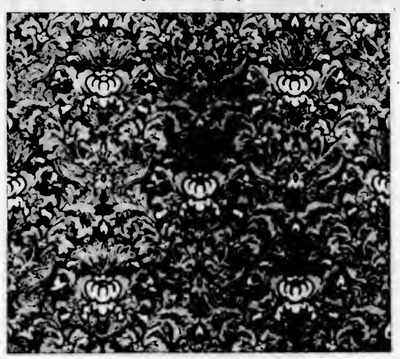
The ornamental design for a steering post brace, substantially as shown.

69,890. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Feb. 9, 1926. Serial No. 16,458. Term of patent 3½ years.



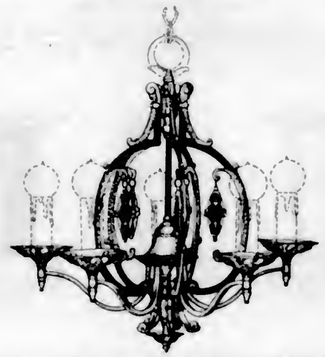
The ornamental design for a textile fabric, as shown.

69,891. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Feb. 2, 1926. Serial No. 16,369. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

69,892. ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,607. Term of patent 7 years.

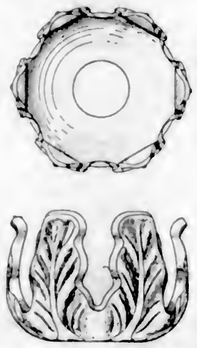


The ornamental design for an electric lighting fixture, as shown.

69,893. TELEPHONE TRANSMITTER COVER PLATE. ARCHER L. KNAPP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 7, 1925. Serial No. 12,293. Term of patent 14 years.

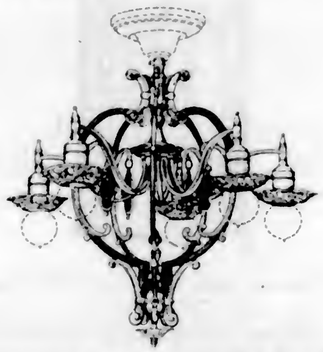
The ornamental design for a telephone transmitter cover plate, as shown.

69,894. GLOBE FOR ILLUMINATING FIXTURES. NICHOLAS KOPP, Pittsburgh, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Jan. 14, 1925. Serial No. 12,048. Term of patent 7 years.



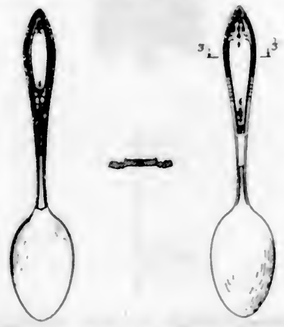
The ornamental design for a globe for illuminating fixtures, as shown.

69,895. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,606. Term of patent 7 years.



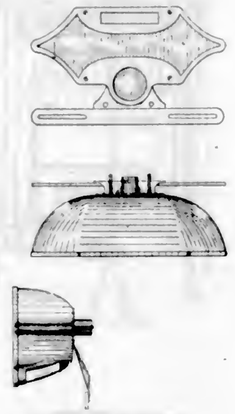
The ornamental design for a lighting fixture, as shown.

69,896. SPOON OR SIMILAR ARTICLE. SIDNEY V. JAMES, Niagara Falls, N. Y., assignor to Wm. A. Rogers, Ltd., Niagara Falls, N. Y. Filed May 8, 1925. Serial No. 13,359. Term of patent 3½ years.



The ornamental design for a spoon or similar article as shown.

69,897. TRAFFIC SIGNAL. HOMER M. LEONARD, San Francisco, Calif., assignor to Williams Bros. Aircraft Corporation, San Francisco, Calif., a Corporation of California. Filed Feb. 4, 1925. Serial No. 12,262. Term of patent 3½ years.

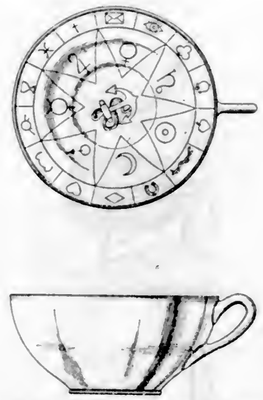


The ornamental design for a traffic signal, as shown.

69,898. BOWL. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 14, 1926. Serial No. 16,060. Term of patent 14 years.

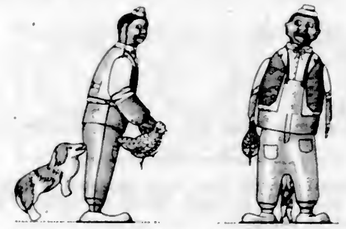
The ornamental design for a bowl, as shown.

69,899. TEACUP OR SIMILAR ARTICLE OF MANUFACTURE. JAMES R. MAHONEY, Pittsburgh, Pa., assignor to Mrs. Harry S. Daly, Pittsburgh, Pa. Filed Feb. 5, 1926. Serial No. 16,409. Term of patent 7 years.



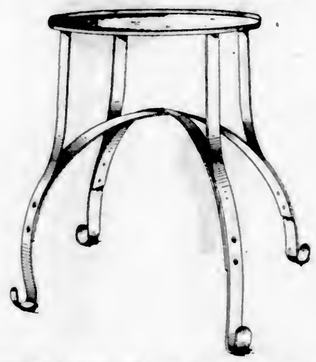
The ornamental design for a teacup or similar article of manufacture substantially as shown and described.

69,900. FIGURE TOY. LOUIS MARX, Brooklyn, N. Y. Filed Feb. 20, 1926. Serial No. 16,618. Term of patent 3½ years.



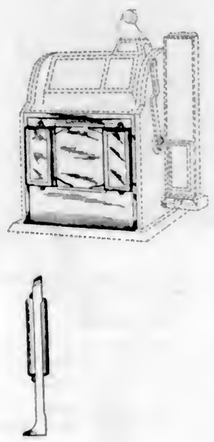
The ornamental design for a figure toy, as shown.

69,901. TABORET OR ARTICLE OF SIMILAR NATURE. CHARLES S. MCKENNEY, Petersburg, Va., assignor to Seward Trunk and Bag Company, Petersburg, Va., a Corporation of Virginia. Filed Feb. 4, 1926. Serial No. 16,397. Term of patent 14 years.



The ornamental design for a taboret or article of similar nature as shown.

69,902. VENDING-MACHINE FRONT. MONROE L. MELETIO, St. Louis, Mo. Filed Oct. 17, 1925. Serial No. 15,161. Term of patent 14 years.

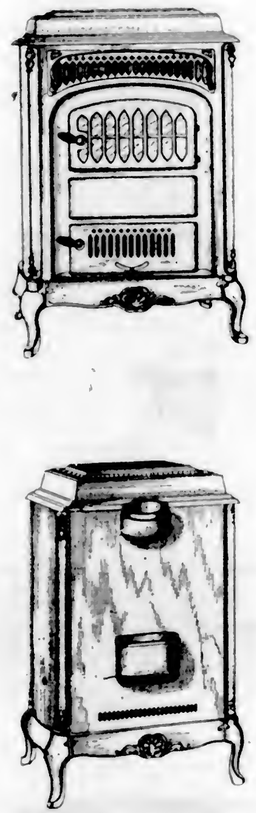


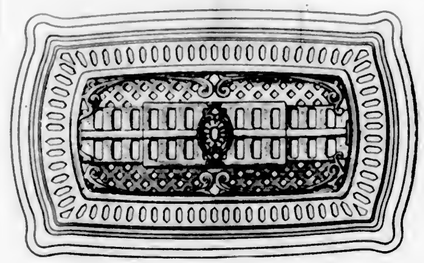
The ornamental design for a vending machine front, as shown.

69,903. RING. CHIEF TWO MOON MERIDAS, Waterbury, Conn. Filed June 11, 1925. Serial No. 13,739. Term of patent 14 years.

The ornamental design for a ring, as shown.

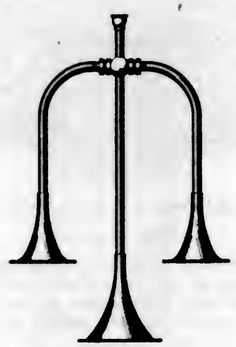
69,904. HEATING STOVE. LEWIS MOORE, Joliet, Ill. Filed Sept. 26, 1925. Serial No. 14,915. Term of patent 14 years.





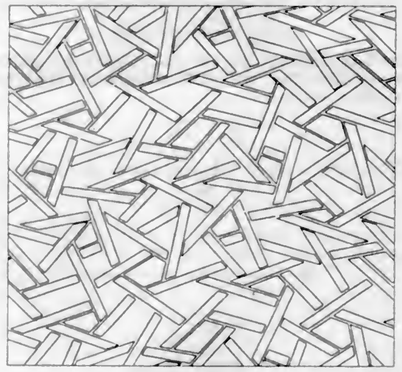
The ornamental design for a heating stove, as shown.

69,905. BAZOO. CLARENCE J. MUSSEHL, Fort Atkinson, Wis., assignor to Mussehl and Westphal, Fort Atkinson, Wis., a Corporation of Wisconsin. Filed Mar. 3, 1925. Serial No. 12,554. Term of patent 3½ years.



The ornamental design for a bazoo, as shown.

69,906. TEXTILE FABRIC. HENRY NIEBUHR, Jersey City, N. J., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Feb. 1, 1926. Serial No. 16,361. Term of patent 3½ years.

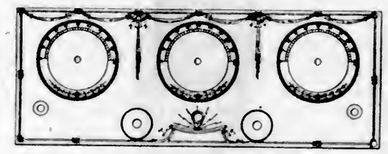


The ornamental design for a textile fabric as shown.

69,907. COLD-CREAM JAR. FERDINAND W. NITARDY, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a Corporation of New York. Filed Nov. 23, 1925. Serial No. 15,523. Term of patent 14 years.

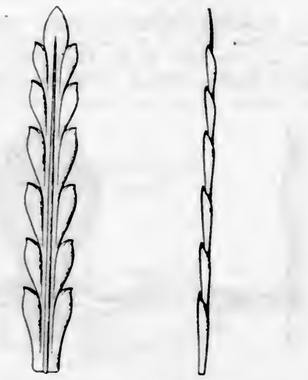
The ornamental design for a cold cream jar, as shown.

69,908. RADIO PANEL. ALBERT J. D. OHM, New York, N. Y., assignor to Incandescent Supply Company, a Corporation of New York. Filed Sept. 24, 1925. Serial No. 14,887. Term of patent 3½ years.



The ornamental design for a radio panel as shown.

69,909. LEAF ORNAMENT FOR LIGHTING FIXTURES. STANLEY B. O'KANE, Elmhurst, N. Y., assignor to Hubert J. Braun, doing business under name of J. G. Braun, Chicago, Ill. Filed Nov. 22, 1924. Serial No. 11,454. Term of patent 3½ years.



The ornamental design for leaf ornament for lighting fixtures substantially as shown.

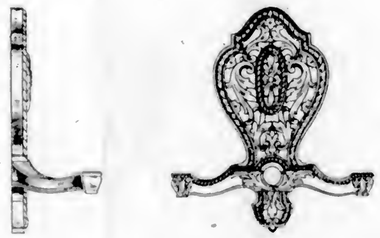
69,910. HAT. DANIEL OROMANER, Brooklyn, N. Y. Filed Sept. 17, 1923. Serial No. 7,221. Term of patent 3½ years.

The ornamental design for a hat as shown.

69,911. CASING FOR TALKING MACHINES. EMIL PINCHAN, Berlin-Wilmersdorf, Germany, assignor to Heinrich Küchenmeister, Berlin, Germany. Filed June 22, 1925. Serial No. 13,857. Term of patent 3½ years.

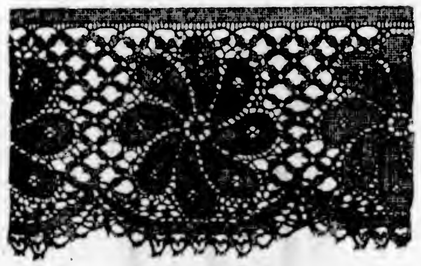
The ornamental design for a casing for a talking machine, as shown.

69,912. ELECTRIC WALL BRACKET. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandeller Co., Inc., New York, N. Y. Filed Feb. 19, 1926. Serial No. 16,594. Term of patent 3½ years.



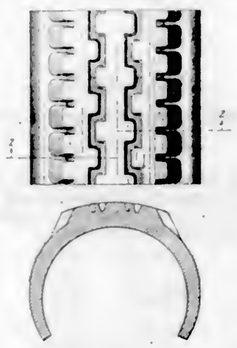
The ornamental design for an electric wall bracket as shown.

69,913. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Feb. 5, 1926. Serial No. 16,411. Term of patent 7 years.



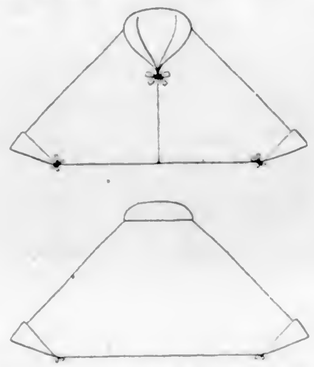
The ornamental design for lace as shown.

69,914. RESILIENT TIRE. ISIDORE J. REMARK, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 25, 1926. Serial No. 16,258. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

69,915. BABY JACKET. ARLENE P. SANFORD, Medford, Mass. Filed Sept. 14, 1925. Serial No. 14,776. Term of patent 14 years.



The ornamental design for a baby jacket as shown.

69,916. LIGHTING FIXTURE OR THE LIKE. ROLAND F. SCHROEDER, Milwaukee, Wis., assignor of one-half to Louis S. Sakols, Milwaukee, Wis. Filed Jan. 27, 1926. Serial No. 16,298. Term of patent 7 years.

The ornamental design for a lighting fixture or the like, as shown.

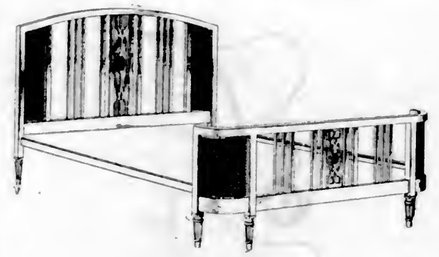
69,917. HANDLE FOR A BURIAL CASKET. CARL STAHL, Galesburg, Ill., assignor to Victor Casket Hardware Company, Galesburg, Ill. Filed Oct. 26, 1925. Serial No. 15,258. Term of patent 7 years.

The ornamental design for a handle for a burial casket, as shown.

69,918. FINGER RING. ISIDOR STERN, Newark, N. J. Filed Feb. 9, 1926. Serial No. 16,461. Term of patent 3½ years.

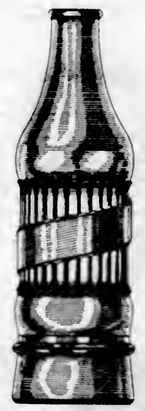
The ornamental design for a finger ring, as shown.

69,919. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Sept. 21, 1922. Serial No. 3,780. Term of patent 14 years.



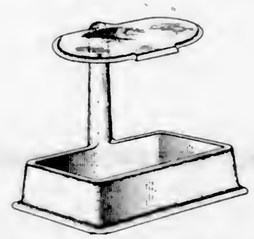
The ornamental design for a bedstead frame, as shown.

69,920. BOTTLE. MIKSA SWARTZ, Scranton, Pa., assignor to Flip Manufacturing Company, Inc., Scranton, Pa. Filed Jan. 12, 1926. Serial No. 16,033. Term of patent 7 years.



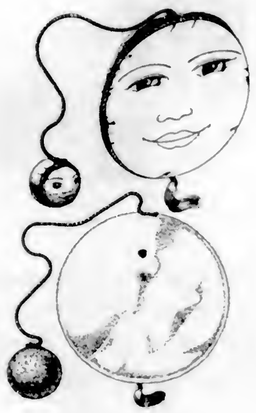
The ornamental design for a bottle as shown.

69,921. BOTTLE HOLDER. GEORGE A. TERRY, Buffalo, N. Y. Filed Feb. 4, 1925. Serial No. 12,259. Term of patent 3½ years.



The ornamental design for a bottle holder, as shown.

69,922. COMBINATION DOLL AND CUSHION. KATE E. THOMPSON, Pompton Plains, N. J. Filed Nov. 10, 1925. Serial No. 15,393. Term of patent 7 years.

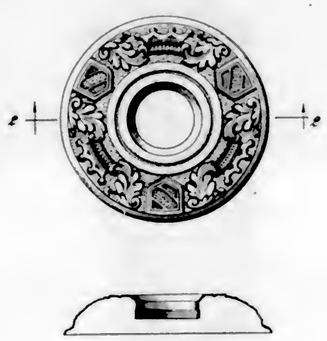


The ornamental design for a combination doll and cushion, as shown.

69,923. BASE PLATE FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 3, 1926. Serial No. 16,385. Term of patent 3½ years.

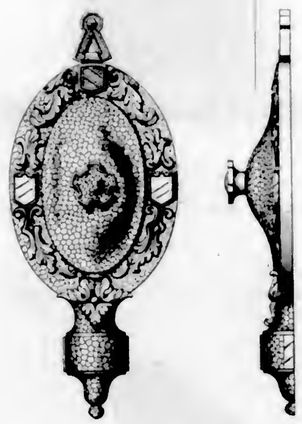
The ornamental design for a base plate for lighting fixtures, as shown.

69,924. ADAPTER FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 12, 1926. Serial No. 16,509. Term of patent 3½ years.



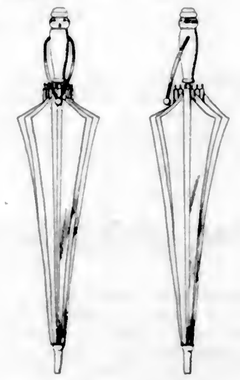
The ornamental design for an adapter for lighting fixtures, as shown.

69,925. BRACKET BACK FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 16, 1926. Serial No. 16,540. Term of patent 3½ years.



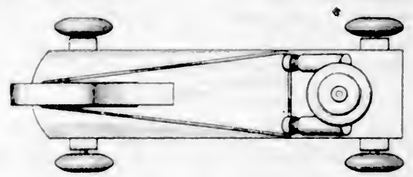
The ornamental design for a bracket back for lighting fixtures, as shown.

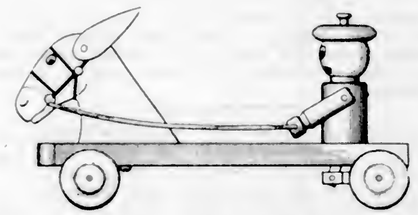
69,926. UMBRELLA. IRVING B. WEINBERG, Baltimore, Md. Filed Jan. 16, 1926. Serial No. 16,120. Term of patent 3½ years.



The ornamental design for an umbrella, as shown.

69,927. TOY. CLARENCE A. WETZELL, Sterling, Ill. Filed Sept. 4, 1925. Serial No. 14,707. Term of patent 3½ years.



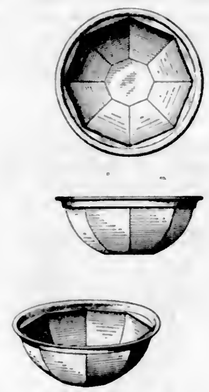


The ornamental design for a toy, as shown.

69,928. COFFEEPOT OR SIMILAR ARTICLE. SAMUEL G. WILKES, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Nov. 4, 1925. Serial No. 15,334. Term of patent 14 years.

The ornamental design for a coffeepot or similar article, as shown.

69,929. CAGE BOTTOM OR SIMILAR ARTICLE. HYMEN ZIMMERMAN, New York, N. Y., assignor to Art Cage Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 5, 1925. Serial No. 15,358. Term of patent 14 years.

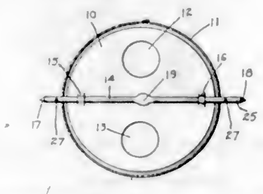


The ornamental design for a cage bottom or similar article as shown.

PATENTS

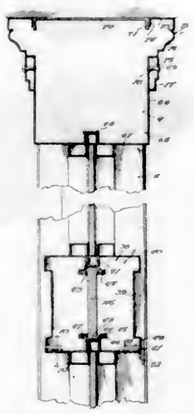
GRANTED APRIL 13, 1926.

1,580,106. DAMPER. LAFAYETTE J. ALLIE, St. Paul, Minn., assignor of one-half to Valentine G. Allie, St. Paul, Minn. Filed June 25, 1923. Serial No. 647,634. 2 Claims. (Cl. 126—292.)



1. In combination with a stovepipe adapted to be sprung into an ovular formation of a damper having a spindle attached thereto of a length equal to the longer diameter of said stovepipe, formed with pointed ends, said damper being of a diameter slightly less than the circular diameter of said stovepipe and adapted to engage the edges of said stovepipe across its shorter diameter and to force said edges outwardly as said damper is rotated to force the wall of said stovepipe into its normally circular formation to cause the said pointed ends of said damper spindle to penetrate through the walls of said stovepipe.

1,580,107. METAL PARTITION-WALL CONSTRUCTION. CHARLES A. ANDERSON, Canton, Ohio. Filed Oct. 1, 1924. Serial No. 741,012. 12 Claims. (Cl. 189—34.)



1. In a partition structure of the character specified, a panel unit comprising complemental sections having inwardly disposed wings to provide a panel receiving channel, and a locking member having an intermediate portion arranged between the said wings to close the inner side of the said channel and prevent inward displacement of the sections, and having its outer portions engaged about the said wings to secure the parts when assembled.

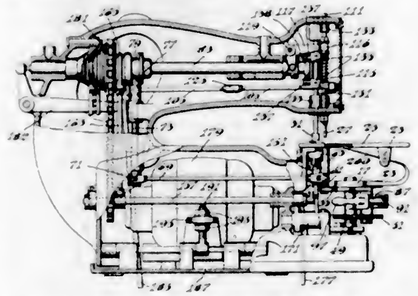
1,580,108. RAIL FROG. DAVID E. ANDERSON, St. Paul, Minn. Filed Mar. 27, 1922. Serial No. 547,166. 9 Claims. (Cl. 246—463.)

1. In combination with a frog having a pair of wing rails, a filler block positioned between the same, a frog point positioned within said filler block and means for supporting said frog point upon the filler block throughout its entire length and to its extreme end so that the loads superimposed upon said point are transmitted through said filler block and to said wing rails to maintain the same elevation for said frog and wing rails for any location of said load upon the frog.

1,580,109. MANICURE INSTRUMENT. GEORGE F. BALLOU, New York, N. Y. Filed Aug. 30, 1924. Serial No. 735,167. 30 Claims. (Cl. 132—73.)

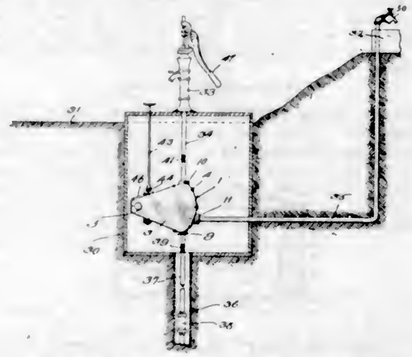
1. In a manicure instrument, a frame element having a fulcrum surface and a pivot spaced above and endwise from said surface, and parallel thereto; and a U-shaped spring strip having the free ends of the arms thereof compressed toward one another and in that condition disposed between the pivot and fulcrum surface, whereby when the base of the U-shaped strip is pressed toward the plane of the fulcrum surface the free ends of the arms will be forced together to form tweezers.

1,580,110. MACHINE FOR APPLYING REENFORCING STRIPS TO ARTICLES OF FOOTWEAR. LEWIS J. BAZZONI, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 12, 1923. Serial No. 612,307. 17 Claims. (Cl. 12—51.)



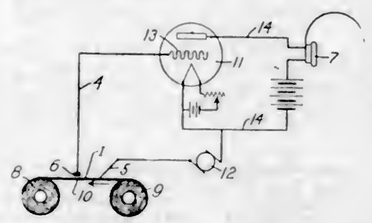
1. A machine of the class described having, in combination, mechanism for folding a piece of cord into a piece of tape and for pressing the tape and cord to form a reenforcing strip, mechanism independent of said strip-forming mechanism for applying the strip to a piece of stock and for feeding the strip and the stock, and means for operating said mechanisms in timed relation.

1,580,111. ANTIFREEZING DEVICE. ARNOLD BOHNENBLUST, Riley, Kans. Filed May 8, 1925. Serial No. 28,988. 4 Claims. (Cl. 103—2.)



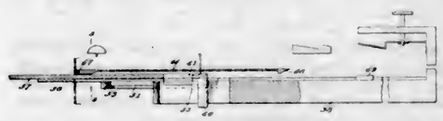
1. In a device of the class described, a casing having chambers provided with openings in their outer walls, a valve controlling the passage of liquid from one of the chambers to the other, a shaft journaled in the casing, and arms carried by the shaft, one arm being located in each chamber.

1,580,112. SOUND PRODUCER. EVAN P. BONE, Cincinnati, Ohio. Filed May 17, 1922. Serial No. 561,740. 5 Claims. (Cl. 179—100.1.)



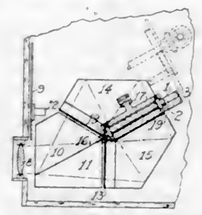
1. A sound producer comprising, a paper sheet upon which are printed sound wave characters, of an electrically conducting ink, capacitively connected in a circuit, said circuit being electrically connected to a source of electro-motive force and to a telephone receiver, and means for moving said paper sheet.

1,580,113. CHECK-CONTROLLED LIQUID-DISPENSING MACHINE. JESSE T. BONNEY, Franklin, Va. Filed July 12, 1922. Serial No. 574,361. 7 Claims. (Cl. 194—82.)



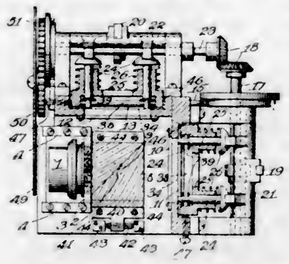
5. An apparatus of the class described comprising a slidable stop, a pair of jaws connected to said stop, said jaws, when closed, being adapted to receive and retain a coin, means for depositing a coin in said jaws, a slidable member adapted to engage the coin when deposited in said jaws and thereby operating to connect said slidable member and stop for movement of the latter by the slidable member, and means normally maintaining said jaws closed but permitting them to open to release the coin when the stop has been moved a predetermined distance.

1,580,114. COLOR CINEMATOGRAPHY. PERCY D. BREWSTER, East Orange, N. J. Filed Mar. 23, 1918, Serial No. 224,110. Renewed July 16, 1925. 5 Claims. (Cl. 88—16.4.)



2. In the art of two-color cinematography, the improvement comprising projecting images of the object in light of different colors upon two separate films, and perforating the two films at points definitely and similarly located relatively to the respective images while the films are at rest.

1,580,115. COLOR CINEMATOGRAPHY. PERCY D. BREWSTER, East Orange, N. J. Filed Dec. 28, 1918, Serial No. 268,673. Renewed July 16, 1925. 3 Claims. (Cl. 80—16.4.)

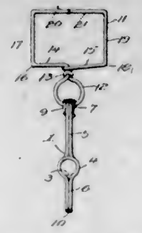


1. In the art of color-cinematography, the improvement comprising passing a plurality of negative films step by step through exposure fields, dividing the light rays from the object to be photographed into a plurality of color-groups and projecting the color-groups upon said negative films to form separate series of color-value negative images on the respective films, perforating the films, at definitely located points with respect to the images projected thereon, while the films are at rest for exposure, to produce master perforations, re-perforating the films with said master perforations as guides to produce registry perforations, and printing the several series of color-value negative images on opposite sides of a positive film provided with registry perforations conforming to the registry perforations in the negatives; and in printing, registering registry perforations in one film with registry perforations in another, whereby the images printed on one side of the positive are made to register with those on the other side.

1,580,116. SNAP FASTENER. CHASE M. BROUSE, Mitchell, S. Dak. Filed Aug. 10, 1925. Serial No. 49,303. 5 Claims. (Cl. 24—237.)

1. A snap fastener, formed of a single strand of spring steel wire, said strand of wire having the end portions

formed to extend in adjacent relation along the central portion to provide a relatively short arm, and a relatively long arm having loops formed at the free ends of the arms, the short arm having the end portion to extend

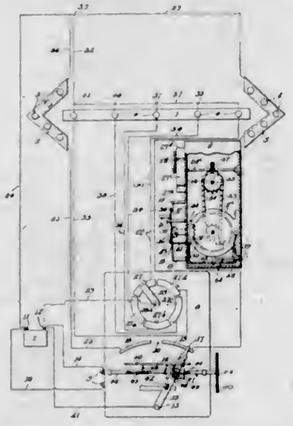


along the intermediate portion of the strand of wire adjacent the free end of the longer arm, the longer arm having the free end formed to extend toward the shorter arm and adapted to cooperate with the end of said short arm to provide a closure.

1,580,117. EYEGLASS CONSTRUCTION. STEPHEN J. CLULEE, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed May 19, 1919. Serial No. 298,222. 14 Claims. (Cl. 88—47.)

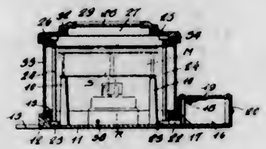
1. In eyeglass construction, in combination, a nonmetallic rim member and a metallic member lying longitudinally thereof and extending laterally thereinto from its side surface and embraced thereby on its inner and outer surfaces.

1,580,118. AUTOMOBILE DIRECTION INDICATOR. FRANK D. CROSS, Elmira, N. Y. Filed Mar. 22, 1923. Serial No. 626,840. 6 Claims. (Cl. 177—327.)



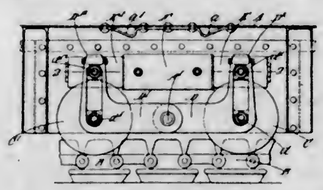
6. In a direction signal for motor vehicles, an illuminated signal member including a horizontal series of lamps and an arrowhead having illuminating means located at each end of said series of lamps, a source of electricity, an independent circuit for each of the lamps in the horizontal series and the illuminating means for each of the arrowheads, a switch lever movable in opposite directions to selectively control the flow of electricity through either one of the independent circuits for the arrowhead illuminating means, a reversible motor connected to the source of electricity, means operated by the movement of the switch lever for causing reversible rotation of the motor, means for automatically restoring the switch lever to its inoperative position after the motor has operated for a predetermined interval, means operated by the motor for successively closing the independent circuits for the horizontal series of lamps, the means for restoring the switch lever to its inoperative position including a screw block carried by the switch lever, a screw shaft reversibly rotated by the motor, said switch lever being resilient to permit disengagement of the block from the shaft, and means for limiting the disengaging movement of the block from the shaft.

1,580,119. TIME SWITCH. HERBERT W. DAGGS, Cleveland, Ohio. Filed Sept. 12, 1924. Serial No. 737,329. 2 Claims. (Cl. 200—168.)



1. A sectional time switch housing comprising a back plate having a continuous channeled peripheral outwardly extending wall, a portion of the lower end of said base being extended to form the base of a junction box, a set of supporting posts integral with the inner face of the back plate, a packing arranged in the channeled walls, walls cast integral with and at one end of the base plate to form sides of the junction box, an open ended shell having the walls forming one end snugly engaging said packing material, a front plate having a channeled peripheral outwardly extending wall, a packing material in said channeled wall to engage the outer end of said shell, and bolt means within the housing for separably inter-connecting the back and front plates.

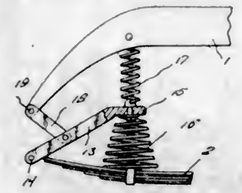
1,580,120. ENDLESS-TRACK VEHICLE. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, England, assignors to Vickers Limited, Westminster, England, a British Company. Filed Apr. 17, 1925. Serial No. 23,820. 7 Claims. (Cl. 305—9.)



5. In an endless track vehicle, the combination with the endless track, of a plurality of longitudinally spaced rollers running on said track, a plurality of cranked levers with substantially horizontal limbs and substantially vertical limbs and arranged in pairs with the horizontal limbs directed towards each other, means for pivoting said rollers to said levers at the portions at the angles of the cranks, means for pivoting the ends of said horizontal limbs to each other and to the vehicle frame and a spring interposed between the ends of each pair of vertical limbs to oppose the upward movements of said levers about the pivots of their horizontal limbs.

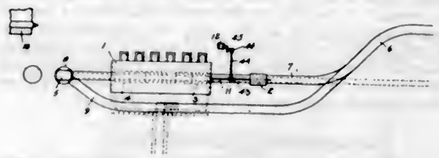
1,580,121. AUTOMOBILE SPRING STRUCTURE. NORMAN LESLIE DODTSON, San Francisco, Calif. Filed May 4, 1925. Serial No. 27,929. 1 Claim. (Cl. 267—17.)

In a vehicle spring suspension structure of the class described, a chassis bar, a leaf spring disposed beneath said bar, the adjacent and correponding ends of said spring and bar being spaced apart, and shock absorbing means located in the space between said ends, said means comprising an arm pivoted at its outer end to an adjacent end of said spring, the opposite end of the arm being bent angularly to dispose it in spaced paral-



lelism to the end portion of the bar and spring, coiled springs connected with the inner end portion of the arm and with the leaf spring and bar respectively, and a relatively short link pivoted at one end to the end of said bar and at its opposite end to the intermediate portion of said arm.

1,580,122. APPARATUS FOR MAKING PLATE GLASS. ALBERT E. EVANS, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1924. Serial No. 718,037. 6 Claims. (Cl. 49—59.)

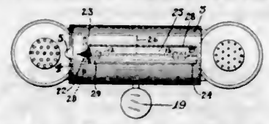


1. In combination in apparatus for handling and treating pots containing molten glass preliminary to casting the glass into plates, which comprises, a tunnel furnace having a track therethrough, a series of cars on the track for carrying the pots, a moving device for the cars extending longitudinally of the furnace, engaging means on such device adapted to engage the car next to the outlet end of the furnace and also a car located outside the entrance end of the furnace, but adjacent thereto, and means for reciprocating said device so that on the forward movement thereof, said car next the outlet end of the furnace is moved outside of and away from the furnace and said car adjacent the entrance is moved into the furnace, thereby moving all of the other cars in the furnace ahead one car length.

6. In combination in apparatus for handling and treating pots containing molten glass preliminary to casting the glass into plates, which comprises, a tunnel furnace having a track therethrough and a passageway longitudinally of its bottom opening upwardly, a series of cars on the track for carrying the pots, a moving device for the cars extending longitudinally of the passageway, means extending upwardly from said device for engaging the cars, conduit means also extending longitudinally of the passageway, and means for circulating a cooling fluid through said conduit means.

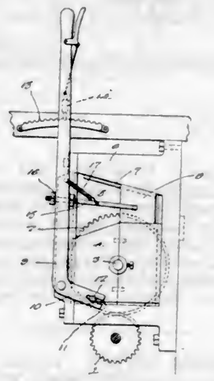
1,580,123. SANITARY TOOTHPICK DISPENSER. FREDERICK FIORE, Brooklyn, N. Y. Filed May 22, 1924. Serial No. 715,108. 8 Claims. (Cl. 206—23.)

1. A sanitary toothpick dispenser comprising a receptacle to contain a supply of toothpicks and having an opening to afford egress for a toothpick, means to project a toothpick partly through said opening, means to hold said toothpick in delivery position, and a closure for said opening, said closure normally held closed, said projected toothpick arranged to slide past said closure to open the same for passage of the toothpick, said



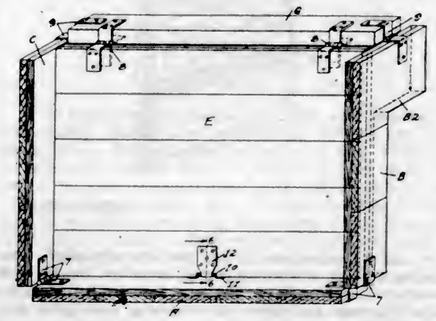
closure arranged to close behind the toothpick and remain closed while said toothpick is held in delivery position by said holding means.

1,580,124. JOURNAL-BEARING-SHIFTING MECHANISM. BLONVILLE M. FITHIAN, Baxter Springs, Kans. Filed Mar. 6, 1925. Serial No. 13,532. 1 Claim. (Cl. 308—59.)



A journal bearing shifting mechanism comprising a frame provided with an opening having a slanting wall, a bearing slidably mounted in the opening, a stud projecting from the bearing, a wedge-shaped block slidably mounted in the opening and having one edge engaging the slanting wall of the opening and an opposite edge engaging the bearing, a lever fulcrumed upon the frame and having a recess to receive the stud carried by the bearing, a rod extending from the lever and engaged with the wedge-shaped block, and a spring engaged with the rod and the lever for holding the wedge-shaped block in engagement with the slanting wall of the opening.

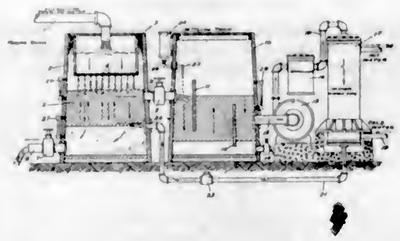
1,580,125. COLLAPSIBLE CRATE. CORNELL FLAGSTAD, Minneapolis, Minn. Filed July 22, 1925. Serial No. 45,248. 10 Claims. (Cl. 217—14.)



3. A crate consisting of a pair of side sections having end extensions at their upper ends, a base hingedly

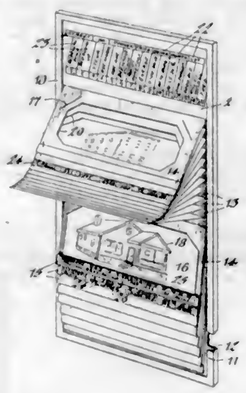
connecting the side sections, a pair of cross members connecting the side section extensions, and end sections hingedly secured to the cross members.

1,580,126. HEAT EXCHANGE. HAROLD W. FLETCHER, Houston, Tex., assignor of one-third to J. E. Schroeder, Harris County, Tex. Filed May 20, 1922. Serial No. 562,306. 8 Claims. (Cl. 122—31.)



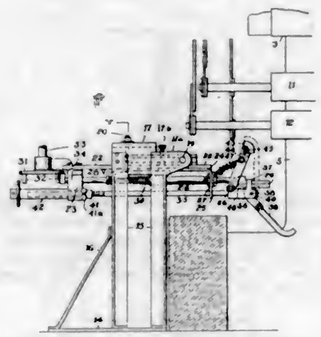
1. The process of transferring heat from an impure hot liquid to a colder fresh liquid comprising passing the hot impure liquid through a cooler non-miscible intermediate liquid of different specific gravity and adapted to absorb heat therefrom, separating the then cooled impure liquid together with its impurities from said intermediate liquid, and finally transferring the heat from said intermediate liquid to said fresh liquid by means of a heater.

1,580,127. INDEX SYSTEM. LAWRENCE J. FORSYTH and MICHAEL JOHN JOYCE, Detroit, Mich., assignors to Rand Company, Inc., North Tonawanda, N. Y., a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,431. 8 Claims. (Cl. 129—16.5.)



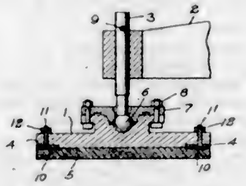
1. An index system of the character described, comprising a series of card-supporting members, listing cards carried by said members and each having an illustrative object thereon and spaces for receiving descriptive matter relating to the object, and a master card associated with said listing cards and bearing descriptive headings correlative to the matter on the listing cards.

1,580,128. EDGE-HOLDING DEVICE FOR SHEET-GLASS MACHINES. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 2, 1924. Serial No. 710,569. 8 Claims. (Cl. 49—17.)



1. In combination with apparatus for drawing a glass sheet from a molten bath, means for preventing inward movement of the edge of the sheet comprising a pair of fingers spaced apart so that they will straddle the edge of the sheet, and mechanism for moving said fingers at intervals downward along the edge of the sheet and into the tapering base thereof to thin it and then back from such position along substantially the same path.

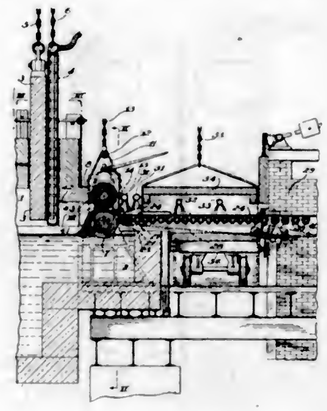
1,580,129. POLISHING RUNNER. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 16, 1923, Serial No. 645,657. Renewed Oct. 16, 1925. 4 Claims. (Cl. 51—197.)



1. In combination, a plate glass polishing runner comprising a supporting block, a sheet of polishing felt on the lower face of the block, and means for securing the felt to the block consisting of means cemented to the upper surface of the felt sheet at the edge thereof and provided with holding members extending upwardly through the block, and releasable securing means for the upper ends of said members.

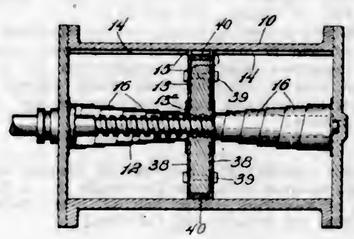
1,580,130. APPARATUS FOR MAKING PLATE GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,536. 4 Claims. (Cl. 49—33.)

1. In combination, a glass tank having a forehearth or extension having an open top, a pair of horizontally driven and cooled sizing rolls arranged one above the other in said open top with the lower roll partially immersed in the molten glass in the forehearth, and a



glass receiving bed extending laterally from a point adjacent the pass between the rolls for carrying away the glass which is formed.

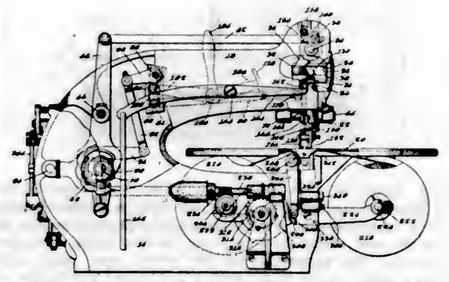
1,580,131. PUMP. PETER GHIARDI, Kittanning, Pa. Filed Oct. 27, 1925. Serial No. 65,241. 2 Claims. (Cl. 103—175.)



1. In a mechanism of the character described, a pump cylinder, a piston reciprocable therein, a shaft extending longitudinally of the piston and exteriorly screw-threaded, the piston being formed in two half sections having a circular passageway having interior screw-threads operatively engaging with the screw-threads of the shaft, the body of the piston being of less diameter than the interior diameter of the cylinder, annular plates disposed on each side of the body of the piston, the two sections of the piston having laterally projecting flanges with which said annular plates engage to hold the end sections in position, a packing ring extending around the perimeter of the piston and bearing against the cylinder wall, means holding the plates to the body of the piston, and coacting means formed upon the plates and the cylinder to prevent rotation of the piston.

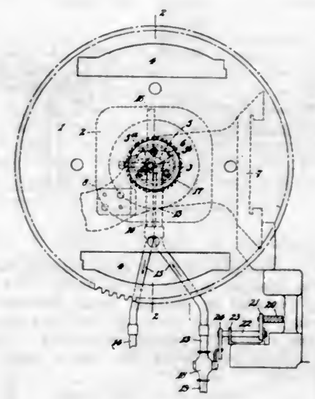
1,580,132. PERFORATING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 26, 1922. Serial No. 577,704. 62 Claims. (Cl. 164—88.)

1. In a perforating machine, in combination, a punch, a punch plate, a backing strip extending across said punch plate, means constantly tending to feed said strip across said punch plate, means for clamping said strip



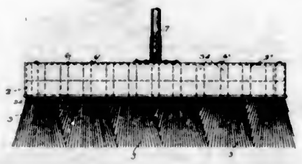
against said punch plate to receive the impact of a series of punchings, and means for releasing said clamping means to allow a feed movement of said strip.

1,580,133. APPARATUS FOR COOLING THE MOLDS OF TYPOGRAPHICAL CASTING MACHINES. BENJAMIN JOSEPH JOHN GOULDING and THOMAS ROBERT GILLETT PARKER, Altrincham, England, assignors to Linotype and Machinery Limited, London, England. Filed Sept. 7, 1923. Serial No. 661,387. 15 Claims. (Cl. 199—56.)



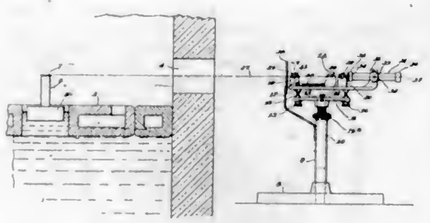
6. In apparatus for cooling the molds of a typographical casting machine, the combination with a rotatable mold wheel, a central water chamber in said wheel and a hollow or tubular shaft or spindle integral with the wheel in open communication with the interior of the chamber, of a cylindrical stud or nozzle entering the rear end of the hollow shaft, in water-tight connection with the latter, inlet and outlet passages through the nozzle in open communication with the water chamber and with respectively the water supply and waste the inlet passage opening directly into the water chamber and an upwardly extending pipe in water-tight connection with the outlet passage through the nozzle and whose open end is located close to the top of the water chamber.

1,580,134. PUSH BROOM. SAMUEL GREENBERG, Syracuse, N. Y. Filed Jan. 5, 1925. Serial No. 594. 1 Claim. (Cl. 15—159.)



A broom including an elongated back, a series of units each comprising a core having an encircling bundle of broom corn bound thereto, said binding being arranged adjacent the upper end of the broom corn, said units being elliptical in cross section and flared outwardly at the tips, and having their wide faces arranged parallel to the sides of the back and in overlapping relation, and a hood encircling the sides and ends of the back and projecting below the under face of the back and engaged with the adjacent units, the upper ends of the cores extending into the back and the lower ends thereof projecting below the bottom edge of the hood.

1,580,135. APPARATUS FOR MAINTAINING THE LEVEL IN GLASS TANKS. JOSEPH S. GREGORIUS, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 3, 1924, Serial No. 753,639. Renewed Oct. 16, 1925. 6 Claims. (Cl. 49—54.)



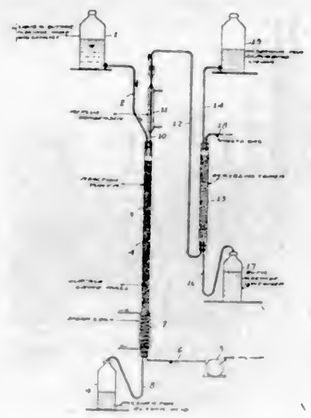
1. The combination with a glass furnace, having an observation opening in one of its walls, of a float of refractory material in position to be observed through said opening, a sighting device on the outer side of said wall in line with said opening, and means for determining the vertical position of the line of sight of such sighting device.

1,580,136. PROCESS FOR BLEACHING ORGANIC MATERIALS. ROBERT HAMBURGER and STEFAN KAESZ, Freudenthal, Czechoslovakia. Filed Nov. 16, 1923. Serial No. 675,070. 5 Claims. (Cl. 8—2.)

2. The process for bleaching organic materials which consists of treating them with chlorine peroxide in the presence of water.

1,580,137. MANUFACTURE OF NORMAL BUTYRIC ACID FROM BUTYL ALDEHYDE. CLARENCE W. HANCOCK, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Aug. 31, 1922. Serial No. 585,341. 13 Claims. (Cl. 260—116.)

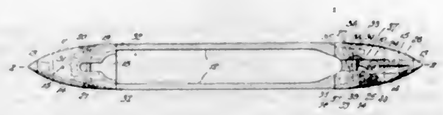
1. The method of manufacturing butyric acid from normal liquid butyl aldehyde which comprises adding to the aldehyde a therein soluble oxygen-carrying catalyst, trickling the mixture through a surface-giving mass, and maintaining the temperature through said mass between 65° and 75° C. by passing a counter-current of oxygen through said mixture.



1,580,138. TREATMENT OF IMPURE MOLTEN METAL AND METALLIC MASSES. HENRY HARRIS, London, England. Filed Dec. 11, 1924. Serial No. 755,160. 17 Claims. (Cl. 75—15.)

6. Method of treating molten lead for separation therefrom of one or more ingredients alloyed therewith, which comprises using as an oxidizer for one or more of the alloying ingredients an alkali oxysalt of a different lead alloying ingredient from the one or ones to be removed.

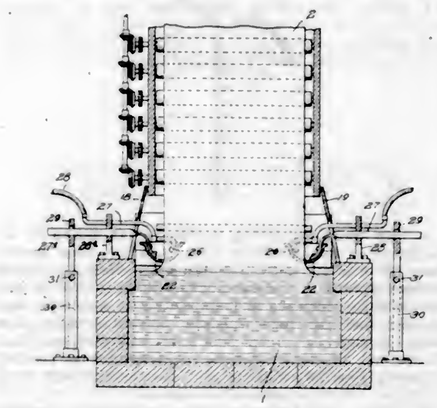
1,580,139. SHUTTLE. WINFRED W. HARRIS, Melrose, Mass., assignor to Doehler Die-Casting Co., a Corporation of New York. Filed Apr. 15, 1924. Serial No. 706,655. 14 Claims. (Cl. 139—196.)



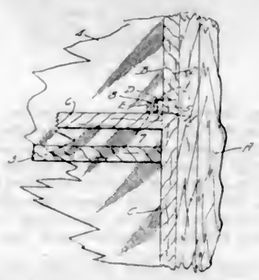
1. A shuttle body comprising metal end sections, side bars connecting said sections, one of said sections having sockets in its inner end adjacent opposite sides thereof diverging toward the opposite end section, said side bars being anchored in said diverging sockets and sprung at their free ends toward one another before connection to the other end section.

1,580,140. APPARATUS FOR MAKING SHEET GLASS. WALTER G. KOUPAL, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Aug. 12, 1925. Serial No. 49,744. 4 Claims. (Cl. 49—17.)

1. In combination with apparatus arranged to draw a glass sheet from an open pool of molten glass, of means for preventing inward movement of the edge of the sheet in said pool, comprising a shielding plate spaced above the surface of the pool, but closely adjacent thereto and having a slot extending inward from its edge and fitting around the edge of the sheet, and means for applying a cooling flow of air to the upper surface of the plate on each side of said slot.



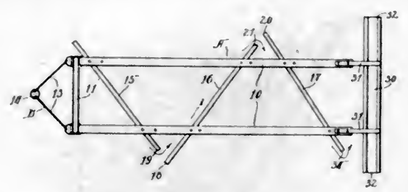
1,580,141. WINDOW LOCK. SAMUEL KRAUSE, St. Louis, Mo. Filed Dec. 15, 1924. Serial No. 755,970. 2 Claims. (Cl. 292—2.2.)



1. A window-lock including a hook-member adapted for rigid securement upon the side member of the upper sash to extend over and approximately parallel with the lower member thereof, the bill of the hook being presented downwardly, in combination with a co-operating substantially L-shaped hook-member including a shank, an apertured bill disposed over and approximately parallel with the shank, and a piece connecting the shank and bill, the second hook-member being adapted for pivotal securement at its shank upon the upper member of the lower sash to swing into and out of engaging registration at its apertured bill with the bill of the first hook-member.

1,580,142. ROAD PLANE. LEAL LAMOREAUX and RALPH J. BOOMER, St. Paul, Minn. Filed May 3, 1920. Serial No. 378,530. 5 Claims. (Cl. 37—143.)

1. A road plane including a frame, a number of channel shaped zigzag packing cutters arranged on said frame adapted to discharge from one to the other and a transverse trowel positioned across said frame at the extreme end thereof in transverse relation to said frame, said trowel extending outwardly beyond the ends of all of said zigzag cutter members.



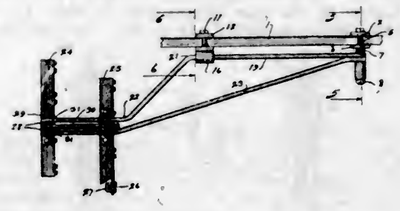
1,580,143. PRODUCTION OF ESTERS. DAVID A. LEGG and CHARLES BOGIN, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed June 16, 1923. Serial No. 645,756. 7 Claims. (Cl. 260—106.)

1. The method of producing esters which comprises passing normal butyl alcohol in the vapor phase over a dehydrogenating copper-containing catalyst at a temperature between 260 and 320° C., then separating part of the aldehyde produced, and finally fractionating the residue to recover the esters formed therein.

1,580,144. MANUFACTURE OF BUTYRIC ACID. DAVID A. LEGG and CLARENCE W. HANCOCK, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed July 31, 1923. Serial No. 654,924. 12 Claims. (Cl. 260—122.)

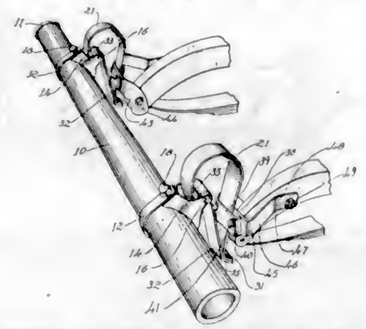
10. The method of manufacturing colorless and water-soluble butyric acid of 98–100% strength, which comprises neutralizing crude butyric acid with a solution of alkali metal base, separating the alkali metal butyrate formed, adding to such solution an excess of mineral acid so concentrated as to form a solution approximately saturated with the alkali metal salt, separating therefrom the butyric acid thereby obtained, and finally distilling same in the presence of sulphuric acid.

1,580,145. HARROW. ALBERT M. LEYNER, Lafayette, Colo. Filed Apr. 19, 1924. Serial No. 707,602. 1 Claim. (Cl. 97—4.)



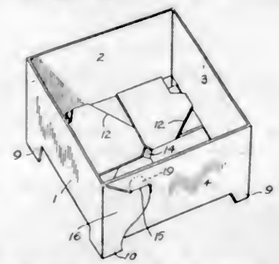
Means for pivotally connecting a hitch member to a plow beam comprising two bars, each having an opening near each end, a clamping bolt extending through the openings in the bars, at each end, one of the said bolts having a threaded portion intermediate its ends and a threaded end portion, that part of the bolt between said threaded portions being adapted to serve as a pivot for hitch bars by means of which a harrow is secured to a plow.

1,580,146. BUMPER. JOHN W. MCCAUSLAND and LEWIS F. STAFFORD, Chicago, Ill. Filed Dec. 18, 1925. Serial No. 76,177. 29 Claims. (Cl. 293—55.)



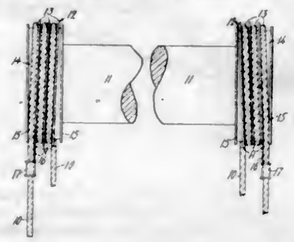
2. A bumper comprising an impact receiving member, and means for yieldably connecting said member to the vehicle including a pair of vertically disposed spring structures having both rigid and pivotal connection with said impact-receiving member.

1,580,147. BERRY BOX. JOHN W. MCCLEAN, Spokane, Wash. Filed May 8, 1923. Serial No. 637,484. 1 Claim. (Cl. 229—16.)



A box made from a single folded blank having sides and overlapping bottom sections of uniform size and shape, said sections having complementary edge notches forming a center opening in the box bottom, co-acting means for interlocking adjoining bottom sections, said sides having rigid extensions cut out of the bottom sections and forming angular feet at the corners of the box, a slit in one side, a folded flap on an adjoining side, and a notched head on said flap to engage said slit.

1,580,148. BARRE-PREVENTING MEANS FOR LOOMS. ADOLPH W. MACHLET, Elizabeth, N. J. Filed Apr. 13, 1925. Serial No. 22,773. 14 Claims. (Cl. 188—83.)

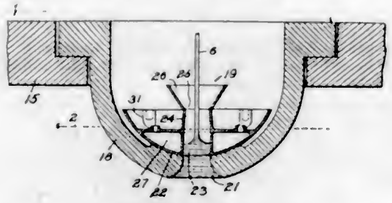


1. In a loom having a brake-drum controlling the warp-threads, and a rope coiled repeatedly around the drum and provided with releasable tension means, a device preventing the rope coils from chafing one another, said device in the form of a helix loose upon said drum and separating the coils of rope one from another.

1,580,149. ROPE CLAMP. FREDERICK W. MEYERS, Chicago, Ill. Filed Mar. 13, 1925. Serial No. 15,242. 1 Claim. (Cl. 24—134.)

A rope clamp comprising a body having means for attachment to an anchoring object and an offset portion forming a cleat, and a substantially diamond shaped member pivoted at one end and seated in said offset portion with its other end in juxtaposition to said cleat, said member and the rope engaging portion of said cleat being in alignment with said body, and said last mentioned end having contiguous edges knurled to securely engage a rope intermediate said member and said cleat.

1,580,150. APPARATUS FOR DRAWING SHEET GLASS. ROBERT A. MILLER, Jr., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,640. Renewed Oct. 16, 1925. 9 Claims. (Cl. 49—17.)



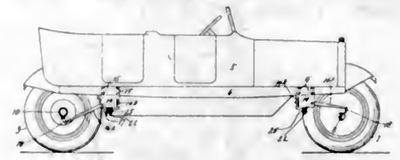
1. In glass drawing apparatus employing a glass bath from which a sheet of glass is to be drawn, a refractory member provided with a slot lying in the glass, a metal member having a slot portion lying in the bath above the slot in the refractory member with the sides of said slot portion, over which the sides of the glass sheet are drawn, roughened, and means for cooling the portion of the metal slot member in contact with the glass.

1,580,151. RADIATOR CAP AND INDICATOR. OSCAR W. MOORE, Chicago, Ill. Filed June 14, 1924. Serial No. 719,987. 4 Claims. (Cl. 116—114.)

3. A device of the class described comprising a body provided with an indicator movably mounted on said body, means for instantly shifting said indicator from non-indicating position to full indicating position, a latch for normally retaining said indicator in non-indicating position, and fluid pressure operated means for rendering said retaining latch ineffective.

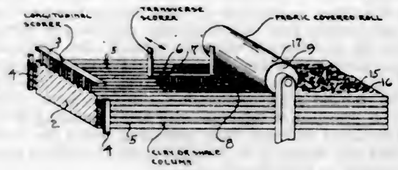
1,580,152. BODY-SUPPORTING AND SHOCK-ABSORBING DEVICE FOR VEHICLES. LUDWIG MULLNER and MATHIAS THELL, St. Paul, Minn. Filed Mar. 19, 1925. Serial No. 16,650. 2 Claims. (Cl. 267—20.)

1. In a vehicle having ground wheels, an axle for each pair of wheels and a body supporting frame mounted in spaced relation to said axles, a pair of levers for each axle, each lever fulcrumed in means fixed on said frame to oscillate in a vertical plane longitudinally of the vehicle body, means connecting one arm of each said levers with the axle, the opposite end of the lever comprising a short arm, a spring element adapted to be compressed by said short arm, a secondary spring element intermediate the free end of the short arm and the fulcrum of the lever and operatively engaging said short arm and exerting a downward pressure on said



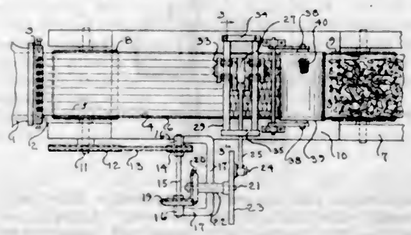
short arm, said spring element compressed by the outer end of the short lever arm comprising a main coil spring engaged by a vertically slidable crosshead frictionally engaged by said lever and its lower side engaging the upper end of the spring, said means in which the lever is fulcrumed comprising a frame fixed on the vehicle body supporting frame and having a bottom engaged by the lower end of said coil spring, and an auxiliary spring arranged concentrically within the main spring.

1,580,153. PROCESS FOR PRODUCING ROUGH-TEXTURE BRICK. WILLIS B. NEHER, Decatur, Ala. Filed Aug. 1, 1925. Serial No. 47,621. 3 Claims. (Cl. 25—1.)



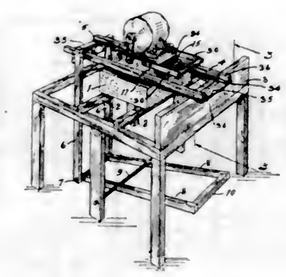
1. The hereindescribed process for the production of a rough texture brick, which consists in breaking up the face of the brick column by intersecting score lines into irregularly disposed raised patches of the column material, rolling these raised patches to flatten them, and cutting the column into bricks.

1,580,154. APPARATUS FOR THE MANUFACTURE OF ROUGH-TEXTURE BRICK. WILLIS B. NEHER, Decatur, Ala. Filed Aug. 1, 1925. Serial No. 47,622. 4 Claims. (Cl. 25—1.)



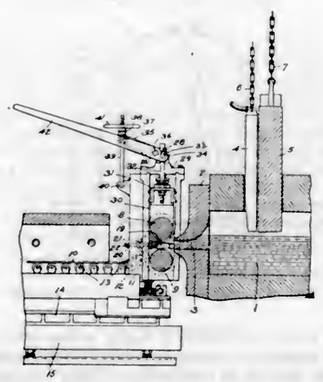
1. In a brick machine, mechanism for longitudinally scoring a column of brick material, a mechanism for transversely scoring a longitudinally scored face of the column, and presser mechanism to flatten down the doubly scored face of the column.

1,580,155. TERRA-COTTA TOOLING MACHINE. ERNEST S. NIESTRADT, Denver, Colo. Filed Aug. 1, 1924. Serial No. 729,512. 5 Claims. (Cl. 125—4.)



1. In a device for tooling terra cotta moulds, in combination, a supporting framework, means carried by said framework for supporting a terra cotta mould, a supporting member extending upwardly from the forward end of the framework, a pair of spaced, parallel guides forming a guideway having its forward end supported on said supporting member, a support for the rear end of said guideway, means for raising and lowering the last named support, and a tooling machine slidable in said guideway.

1,580,156. PROCESS AND APPARATUS FOR ROLLING GLASS. GROVER C. OAKES, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,490. 5 Claims. (Cl. 49—33.)

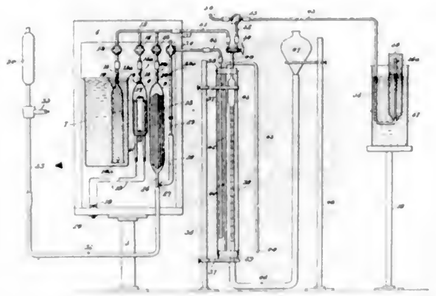


1. A process for making plate glass which consists in flowing it continuously from a body of molten glass between a pair of driven sizing rolls, and periodically separating the rolls to permit a body of glass to pass therethrough of a thickness in excess of that of the ribbon which is being produced.

1,580,157. METHOD AND APPARATUS FOR CONTROLLING OPERATIONS OF SOLVENT-RECOVERY PLANTS. GEORGE G. OBERFELL, Tulsa, Okla. Filed Apr. 18, 1925. Serial No. 24,047. 8 Claims. (Cl. 23—232.)

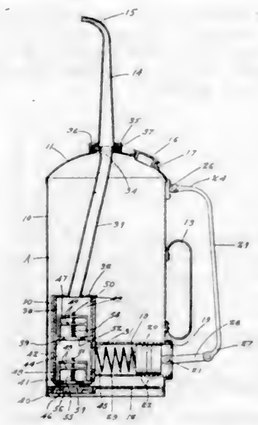
1. A method of determining the vapor pressure of liquid mixtures which consists in contacting a definite volume

of air with the liquid mixture and determining the volumetric increase in the volume of air due to its saturation with vapor from the liquid mixture.



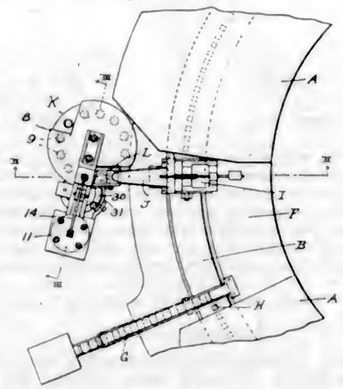
4. An apparatus of the class described comprising means for measuring a definite quantity of air, means for holding a sample of liquid mixture, and means for passing a quantity of air into and out of the said sample holding means.

1,580,158. OIL CAN. HARRY S. OLGARD, Sutton, N. Dak. Filed June 30, 1922. Serial No. 571,969. 5 Claims. (Cl. 221—51.)



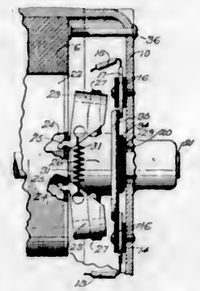
1. An oil can comprising a casing, a dome-shaped cover for said casing, a cylinder horizontally positioned at the lowermost portion of said casing within the same, said casing communicating in one side with the exterior, said cylinder being rigidly attached to said casing and extending substantially across said casing, a vertically positioned valve chamber attached to said cylinder and communicating therewith, said valve chamber being positioned near the opposite side of said casing, said valve chamber being of cylindrical formation and having an opening at its lower portion directed toward the bottom of said casing, said casing having an opening in the bottom thereof registering with the opening in said valve chamber, a tubular valve cage having a bottom therein and an intermediate partition, valves formed in said cage bottom and partition, said cage and valve mechanism being adapted to be placed through said opening in said casing bottom and into said valve chamber and secured therein with said lower valve in close proximity to the bottom of the said casing and below said cylinder and with said upper valve above said cylinder, a cap for closing the opening in said casing bottom, a nozzle attached to said casing cover and an inclined pipe connecting said valve chamber with said nozzle.

1,580,159. APPARATUS FOR FORMING OPTICAL BLANKS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 713,081. 9 Claims. (Cl. 49—7.)



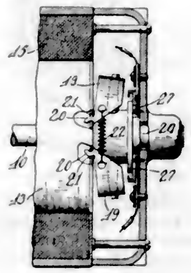
1. The combination with a tunnel heating chamber provided with a continuous carrier for optical blanks, and a molding or pressing machine adjacent the exit end of the chamber provided with mold cavities and plunger means for pressing the blanks in such cavities, of transfer means intermediate the carrier and the pressing machine, and means for discharging the blanks from the carrier to the transfer means comprising, a driven endless pusher member provided at intervals with blank engaging devices and arranged with one flight extending across the carrier so that the engaging devices will push the blanks across the carrier to said transfer means.

1,580,160. STARTING SWITCH. LAWRENCE M. PERSONS, Quincy, Ill., assignor to Cook Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1920. Serial No. 418,305. 7 Claims. (Cl. 200—80.)



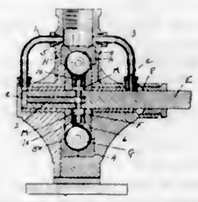
1. A motor starting switch comprising a motor shaft; a weight pivotally mounted to swing relative to said shaft; a ring around said shaft and slidable longitudinally thereof; an arm on the ring engaging said weight; a spacing tube spacing said ring from said shaft; a fixed contact; and a contact on said ring having limited longitudinal movement with respect to the latter and adapted to be moved by said ring into engagement with said fixed contact.

1,580,161. STARTING SWITCH FOR MOTORS. LAWRENCE M. PERSONS, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 11, 1923. Serial No. 638,207. 8 Claims. (Cl. 200—80.)



1. A starting switch for a motor having a rotor, said switch comprising a contact member supported independently of the rotor and rotatable about the axis thereof, spaced stationary terminals, and means on said rotor for actuating said contact member to connect said terminals and close said switch.

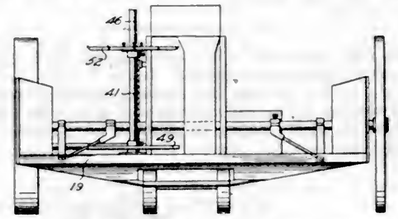
1,580,162. ROTARY PUMP. CARL J. PETERSON, Provo, Utah. Filed Feb. 16, 1925. Serial No. 9,561. 3 Claims. (Cl. 103—136.)



1. A rotary pump comprising a casing having an inlet and an outlet opening, both of which connect with the interior of said casing a shaft bore provided in the end walls of said casing; a packing carried in said bore; a shaft journalled in said packing, one end of which is spaced from the end of said bore and centrally bored and on which a ball carrying impeller is secured; a pipe connecting the discharge opening of said casing with the central bore of said shaft; radially disposed ports from the said central bore to the periphery of said shaft; a ball-carrying impeller mounted excentrically in the interior of said casing; a plurality of balls carried in said impeller; radially disposed central bores through said impeller; plunger cups carried in said radial bores by which said balls are supported and adapted to be moved outwardly when the water is discharged through the discharge pipe connected with the outlet opening of said casing.

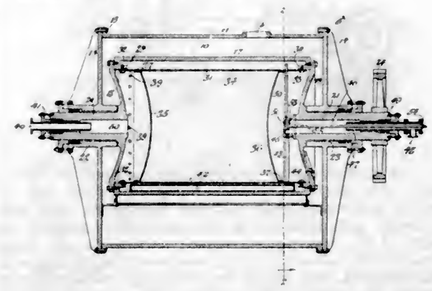
1,580,163. PACKING MECHANISM FOR POTATO GRADERS. WILLIAM P. PETERSON, IRA L. PETERSON, and KARL V. PETERSON, Lily, S. Dak. Filed Dec. 21, 1923. Serial No. 682,046. 1 Claim. (Cl. 83—26.)

A packing mechanism comprising a vertically disposed shaft, a tube rotatably mounted upon the shaft, a circular platform carried by the tube, radially disposed arms mounted upon the tube and spaced above the platform, said arms being spaced from each other at regular intervals, the outer ends of the arms projecting beyond the edge of the platform, outwardly disposed pins carried at the outer ends of the arms, pins located between the arms and at the inner ends thereof, the pins



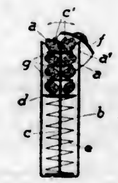
being so arranged as to hold sacks in open condition and in triangular form and with the lower ends of the sacks resting on the platform.

1,580,164. DRYING APPARATUS. GEORGE J. PEZOLD, Buffalo, N. Y. Filed Jan. 28, 1924. Serial No. 688,902. 2 Claims. (Cl. 159—10.)



1. A drying apparatus comprising a rotary drum having a cylindrical outer wall, inwardly projecting flanges arranged on opposite ends of said wall, heads secured to said flanges, hollow trunnions arranged on said heads, an inner shell secured at its opposite ends to said flanges and spaced apart from the inner side of said wall and forming a heating chamber therebetween, and partitions arranged transversely within the shell and secured thereto and spaced apart from said heads, the space between one of said partitions and the adjacent head forming a conduit for a heating medium and the adjacent part of the shell between said last mentioned partition and the adjacent head being provided with perforations for the passage of a heating medium into said heating chamber.

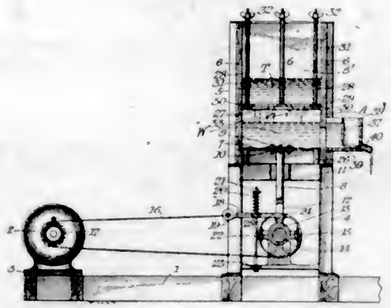
1,580,165. ARTICLE-DISPENSING PACKAGE. FRANZ PILLER, Sr., Munich, Germany. Filed May 19, 1925. Serial No. 31,261. 10 Claims. (Cl. 206—41.)



1. In a dispensing package of the type set forth, in combination with a case open at one end, a lid hinged thereto, means in said case urging the articles to be dispensed toward its open end, and stationary article stop means separate from the lid and arching over the open

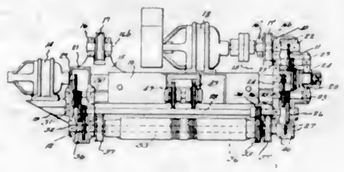
end of the case below the lid at a distance sufficient to overhang and allow of the articles being pushed out sidewise between the edge of the case and said stop means when the lid is opened.

1,580,166. METHOD AND APPARATUS FOR TESTING PAPER-STOCK FIBER. DAVID E. REID, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 13, 1922. Serial No. 536,278. 5 Claims. (Cl. 73—51.)



1. In a fiber testing machine, the combination with a tank, of a screen dividing the tank horizontally into receiving and discharging chambers adapted to hold pulp, a flexible wall included in the discharging chamber, the walls of the tank being arranged to form an air pocket between the bodies of pulp in the receiving and discharging chambers, and means for flexing the flexible wall to agitate the pulp in the machine, thus creating suction tending to draw the pulp from the receiving chamber through the screen into the discharging chamber.

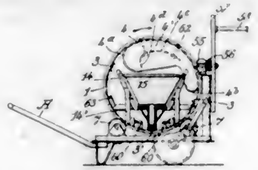
1,580,167. TROLLEY. WILLIAM ROBERTSON, Detroit, Mich., assignor to Northern Engineering Works, Detroit, Mich., a Corporation of Michigan. Filed Nov. 6, 1924. Serial No. 748,298. 14 Claims. (Cl. 105—163.)



3. In a trolley, a unitary casting comprising a main frame and gear casings at opposite ends thereof; the upper surfaces of said gear casings lying in a common plane, said gear casings having a plurality of bearing portions having their axes lying in a common plane.

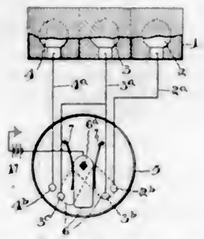
1,580,168. MIXING MACHINE. HEINRICH RUEF, Zurich, Switzerland. Filed Apr. 3, 1925. Serial No. 20,432. 5 Claims. (Cl. 83—73.)

1. A mixing machine comprising a two-part mixing receptacle one of which parts constitutes the body of a vehicle, a frame, exterior of both parts and into which the vehicle may be moved and arranged to hold the



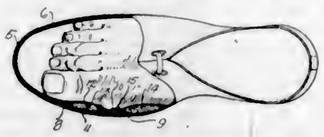
parts in co-operating relation, in combination with means exterior of both of said receptacle parts for rotating them.

1,580,169. CIRCUIT-CLOSING DEVICE. GEORGE N. RUTTLE, Mount Dennis, Canada, assignor of one-fourth to Edward James Mahony, Mount Dennis, Ontario, Canada. Filed Nov. 19, 1923. Serial No. 675,721. 3 Claims. (Cl. 200—59.)



1. The combination with a vehicle provided with steering means including a movable and a stationary part, of a switch box adapted to be clamped on one part of the steering means and provided with a pair of spaced contacts; a pivoted switch arm adapted to engage either one of the contacts; yielding means tending to hold the arm out of engagement with the contacts and centrally locate it relative thereto; a pair of members pivoted on the switch box, each member being provided with a shoulder, each shoulder adapted to releasably hold the arm in engagement with one of the contacts; and means including a plurality of members carried on the other part of the steering means for actuating the locking members to release the switch arm and adapted to permit the movable part of the steering means to be first turned in one direction and then in the opposite direction before releasing the said arm.

1,580,170. ORTHOPEDIC FOOTWEAR. WILLIAM M. SCHOLL, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 755,818. 6 Claims. (Cl. 36—71.)

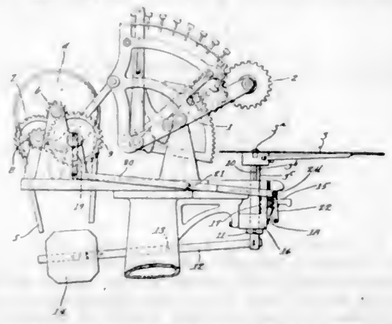


2. A shoe having two linings and protecting pad means between said lining arranged to provide a pocket between the pad parts within which to receive a localized enlargement of the foot.

1,580,171. WORK TABLE FOR MARKING MACHINES. RICHARD SCHRAMM, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 8, 1922. Serial No. 559,444. 7 Claims. (Cl. 101—95.)

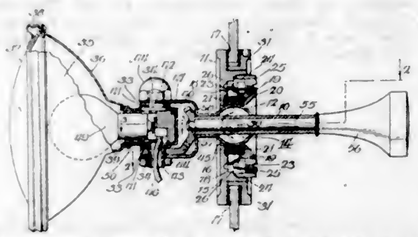
1. In a marking machine, the combination of a work supporting means, means for marking the work, means

normally tending to force said work supporting means towards said marking means, means for restraining said work supporting means against movement and means



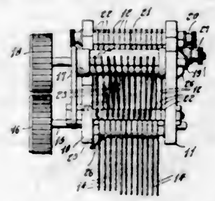
for releasing said restraining means to permit advancing movement of the work supporting means towards the marking means, said releasing operation being effected during the idle period of said marking means.

1,580,172. SEARCHLIGHT MOUNTING. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 15, 1924. Serial No. 699,394. 4 Claims. (Cl. 240—61.)



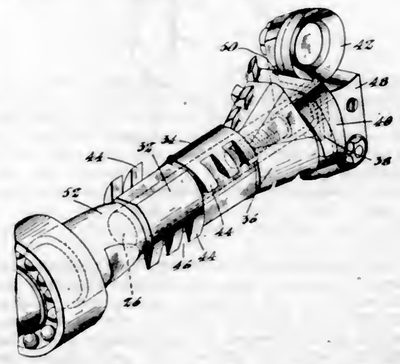
1. In combination with a vehicle windshield or the like, a spotlight comprising a lamp casing in front of the windshield, a support for said casing extending through an opening in the windshield and pivotally jointed at a point in front of the latter, mounting means secured in the windshield opening and pivotally carrying the support at an axis substantially in the plane of the glass and transverse to the axis of the pivotal joint.

1,580,173. VARIABLE CONDENSER. JAMES LINDON SECOR, Mountainville, N. Y. Filed Feb. 2, 1924. Serial No. 690,195. 1 Claim. (Cl. 250—41.)



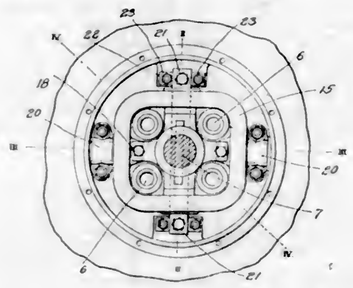
A variable condenser comprising a pair of supporting panels, a plurality of metal spacing rods connecting the said panels, one of said rods being rotatable and the other rods being fixed and stationary with respect to the rotatable rod, a plurality of condenser plates immovably fixed on the said stationary rods and insulated therefrom, fiber washers encircling the said fixed rods and insulating the said removable plates from each other, a plurality of smaller condenser plates fixed on the said rotatable rod to move therewith and being in relatively spaced relation so as to pass between the said immovable plates during the rotation of the said rotatable rod, said movable plates being in electrical connection with each other and with the said rotatable rod, a binding post on one of the said panels, an electrical connection between the said binding post and the said rotatable rod, a second binding post provided at one end of one of the said stationary rods, a plurality of metal brackets encircling another one of the said stationary rods and arranged thereon so that each bracket is in electrical contact with one of the said immovable plates, a contact finger extending from each bracket, and means for establishing electrical connection between the said binding post of the said stationary rod and all of the said fingers either simultaneously or in progression.

1,580,174. PATTERN-REPRODUCING MACHINE. WALTER W. SLACK, Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Sept. 1, 1925. Serial No. 53,819. 2 Claims. (Cl. 142—15.)



1. A last lathe cutter head comprising a shaft having mounted thereon a plurality of roughing cutters and a finishing cutter, the roughing cutters each having two oppositely disposed cutting edges divided into spaced teeth, the width of the teeth being greater than the width of the spaces, the teeth on each edge of a given cutter overlapping the spaces between the teeth of the other edge, and the cutting edges of the successive roughing cutters being staggered around the shaft to avoid simultaneous engagement with the work.

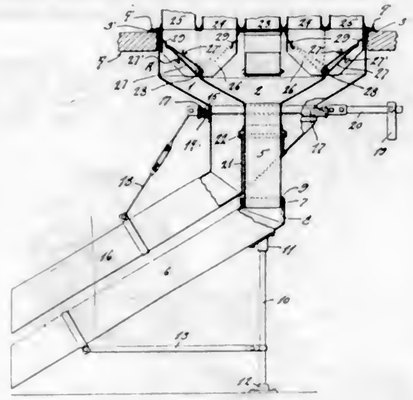
1,580,175. SURFACING MACHINE. JACOB SODERBERG, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 713,111. 5 Claims. (Cl. 51—209.)



1. In combination, a vertical spindle, a block in which the lower end of the spindle is mounted, a yoke pivoted to the block for rocking movement about a horizontal

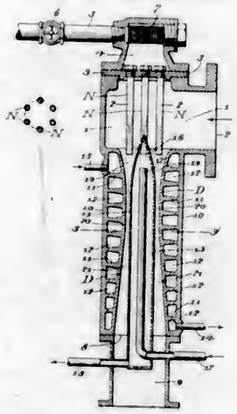
axis, a runner pivoted to the yoke for rocking movement about a horizontal axis at right angles to said axis about which the yoke pivots, interengaging stop means on the block and yoke for limiting the rocking movement of the yoke, and other interengaging stop means on the yoke and runner for limiting the rocking movement of the runner.

1,580,176. GRAIN BLENDING AND DISTRIBUTING APPARATUS. RICHARD C. STONE, St. Louis, Mo. Filed Jan. 25, 1923. Serial No. 614,730. 14 Claims. (Cl. 193—31.)



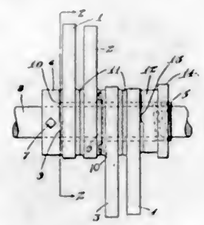
1. The combination of a plurality of adjustable grain-spouts, a distributing receptacle through which the grain is delivered to said adjustable spouts, said receptacle having inlets for grain from different sources, and means supported by and located at the discharge end of said distributing receptacle whereby the grain passing into any of said inlets may be selectively directed into any of said spouts.

1,580,177. METHOD OF AND APPARATUS FOR COMPRESSING FLUID. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1921. Serial No. 469,164. 13 Claims. (Cl. 230—13.)



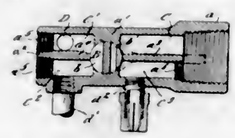
1. Ejector apparatus comprising nozzle structure, co-operating diffuser structure, and a plurality of helical heat-conducting ribs on the outer wall of said diffuser.

1,580,178. CAM. EVARISTE E. TALBOT, Fall River, Mass. Filed May 16, 1925. Serial No. 30,740. 2 Claims. (Cl. 74—1.)



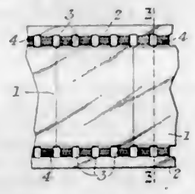
1. A cam-shaft, having a sleeve fixable thereto; said sleeve having a shoulder with lock members; a cam mounted on said sleeve having on one side a circular series of locking teeth, and on the opposite side a locking member to engage the lock member on said sleeve; a second cam on said sleeve and having like locking teeth and lock member, said locking teeth engaging those of the first-mentioned cam; a ring having a similar locking member engaging the locking member of the second cam; a binding nut engaging threads upon the end portions of the sleeve, to force together all of said locking teeth and members and firmly lock the cams to the sleeve.

1,580,179. GAS CONTROL FOR OVEN BURNERS OF GAS STOVES. WILLARD I. TWOMBLY, New York, N. Y., assignor, by mesne assignments, to The Wilcolator Company, Newark, N. J., a Corporation of Delaware. Filed June 6, 1922. Serial No. 566,426. 3 Claims. (Cl. 158—99.)



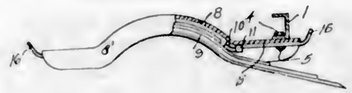
1. A control mechanism which comprises the combination of a casing having a chamber provided with a gas inlet adapted to be connected to a gas supply, a second chamber in the casing having a gas outlet adapted to be connected to a gas burner, a pair of chambers in the casing connected together through a connection outside the casing, and a valve within the casing movable to different positions of adjustment, the said valve being operative in one position to connect the inlet chamber to one of the pair of chambers, and the outlet chamber to the other, in a second position operative to connect the inlet and outlet chambers together, while shutting off the pair of chambers therefrom and from each other, and in a third position operative to shut off the inlet and outlet chambers from each other.

1,580,180. LUBRICATED FILM. HENRY E. VAN DERHOEF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 6, 1924. Serial No. 748,289. 11 Claims. (Cl. 88—19.5.)



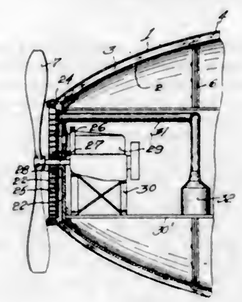
1. A film strip comprising picture areas and portions outside said areas which move over elements of the apparatus in which the film is used, one face at least of said portions having bearing parts at one level for contacting said elements and other parts at a relatively lower level, and lubricant, softer than said bearing parts, located on said face at least a fraction of it between said levels.

1,580,181. LUBRICATOR. JESSE L. VAN PELT, Pullman, Wash. Filed Apr. 11, 1925. Serial No. 22,335. 3 Claims. (Cl. 184—1.)



1. In a spring lubricating device, the combination with a spring and its suspension bar, of a lubricating pad inserted between said spring and bar, a holder for the pad surrounding a portion thereof, an oil pipe connected with the holder, and means for attaching said lubricating device to the bar.

1,580,182. DIRIGIBLE AIRSHIP. EBER H. VAN VALKENBERG, Monroe, Wash., assignor of one-fourth to Oscar Silverstein, Spokane, Wash. Filed Apr. 27, 1925. Serial No. 26,078. 7 Claims. (Cl. 244—6.)

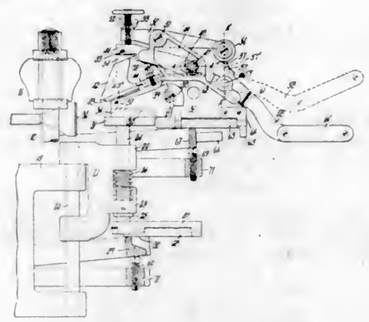


1. An aircraft having a double-wall hull forming an air space and a bow-plate closing the interior wall of the hull, and adjustable ventilating means exterior of the bow-plate for regulating the passage of air currents to said space.

1,580,183. ERASIVE MEANS FOR WRITING IMPLEMENTS. ALFRED VEILLETTE, Attleboro, Mass., assignor of one-half to Thomas A. Jenckes, Jr., Providence, R. I. Filed June 4, 1923. Serial No. 643,253. 8 Claims. (Cl. 120—38.)

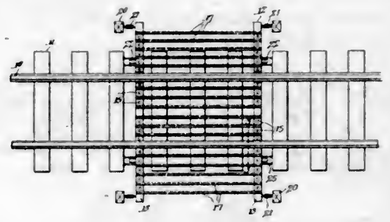
1. In a writing implement, the combination of a shell, a tube axially slidable relative to said shell having a longitudinal slot therein, a member securely attached to said shell registering in said slot to limit the axial movement of said tube, a hollow eraser holder mounted in the outer end of said slidable tube, and a hollow eraser mounted therein, said tube and eraser being positioned relative to the writing end of said implement to telescope said end when desired.

1,580,184. HEEL-TURNING MACHINE. JOHN H. VINTON, Keene, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 27, 1920, Serial No. 369,437. Renewed Feb. 7, 1924. 12 Claims. (Cl. 12—87.)



2. A blank holder for heel turning machines having, in combination, a support for a blank comprising a frame, a frame holder upon which said frame is pivoted, a primary clamping member pivoted to said frame, a lever constituting a secondary clamping member pivoted to said frame, the forward end of said lever being adapted to engage said primary clamping member to force it against said blank, and a cam lever pivoted to said frame and adapted to come into engagement with the rear end of said lever whereby said primary and secondary clamping members may be locked in position with said blank clamped against said support.

1,580,185. CATTLE GUARD. GARFIELD WEST, Belmont, Nebr. Filed Dec. 7, 1925. Serial No. 73,813. 4 Claims. (Cl. 256—18.)

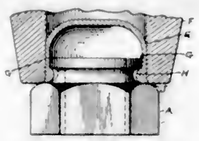


1. A device of the class described having in combination, a movable frame extending transversely of a railroad track and beneath the same, supporting posts outside of the track, resilient means connecting the ends of the frame to said posts, rollers journalled to the underside of the frame, and guide troughs adapted to receive said rollers, said rollers being normally out of engagement with the troughs and arranged to contact with the same when an animal steps on the frame.

1,580,186. METHOD OF MANUFACTURING CAP NUTS. WILLIAM R. WILEY, Detroit, Mich., assignor to Wise Electro Sherardizing Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 9, 1922. Serial No. 535,288. 1 Claim. (Cl. 10—86.)

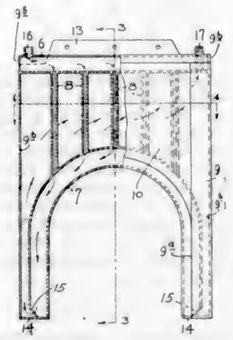
The process of manufacturing a cap nut, consisting in fitting over the projecting end of a centrally threaded body portion a cupped sheet metal member of closely similar internal diameter, and subjecting the component metal

of the latter to the centripetally deforming influence of an axially applied member of slightly lesser internal diameter than the initial external diameter of said



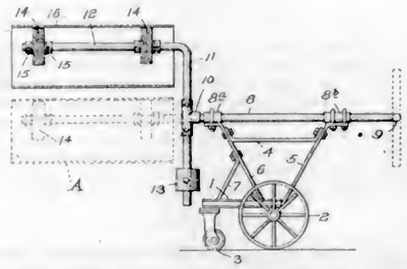
cupped member, thereby pressing the edges of the latter into interlocking engagement with said projecting end of the body portion.

1,580,187. FURNACE-DOOR FRAME. EDWARD WILLIAMS, Monessen, Pa. Filed Feb. 20, 1925. Serial No. 10,609. 8 Claims. (Cl. 122—499.)



1. A furnace door frame comprising an upper tube and a lower tube, front and rear plates welded to the front and rear faces of said tubes at substantially the median lines thereof, and means for directing a stream of cooling fluid through said tubes.

1,580,188. GLASS-CYLINDER-HANDLING TRUCK. URIAH O. WRIGHT and CHARLES H. WRIGHT, Clarksburg, W. Va., assignors to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Aug. 21, 1924. Serial No. 733,424. 3 Claims. (Cl. 214—65.)

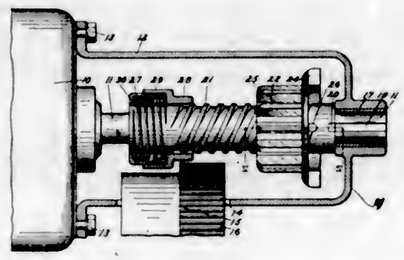


1. In combination in a truck for carrying glass cylinder sections, a body provided with wheels, a horizontal operating shaft journalled for rotation in the body, a lifting crank arm carried by the shaft and adapted to have its free end inserted into the cylinder sections, means for counterweighting the crank arm, and a handle for turning said shaft.

1,580,189. CELLULOSE NITRATE COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 9, 1924. Serial No. 724,935. 7 Claims. (Cl. 106—37.)

4. A simplified flowable film-forming composition, substantially free from camphor and high-boiling ester substitutes therefor comprising cellulose nitrate, monochlornaphthalene and butyl alcohol.

1,580,190. POWER-TRANSMISSION GEARING. HENRY R. DAVIES, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed July 9, 1917. Serial No. 179,437. 2 Claims. (Cl. 74—7.)



1. In an engine starter, in combination, a screw-threaded member, a screw-threaded pinion mounted for rotation and longitudinal movement on the screw-threaded member and adapted upon the sudden rotational movement of said screw-threaded member to move into operative engagement with the engine member, a flanged ring secured to said threaded member, a sleeve slidably fitting said threaded member and having a flange to telescope with the flange of said ring, a compression spring between said ring and said sleeve and within said flanges, said sleeve having a comparatively long bearing face with said threaded member to prevent binding thereof and the innermost of said two flanges being of a diamter to receive said spring but to prevent one coil thereof overriding another when subjected to compression by the movement of the pinion.

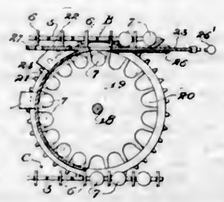
1,580,191. MEANS FOR REDUCING CROSS FIRE IN TELEGRAPH CIRCUITS. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 27, 1922. Serial No. 556,876. 6 Claims. (Cl. 178—69.)

1. In a grounded telegraph system comprising a plurality of single-line Morse circuits, having grounded leak circuits inductively related to each other, the method of neutralizing cross-fire between said Morse circuits which consists in impressing signaling impulses upon one of said Morse circuits, allowing part of the signaling current to flow to ground through the leak circuit of the said Morse circuit, and inducing a current in other leak circuits in such direction as to neutralize interfering currents set up in their associated Morse circuits by said signaling impulses.

1,580,192. DUPLEX TELEGRAPH SYSTEM. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 20, 1924. Serial No. 738,911. 4 Claims. (Cl. 178—58.)

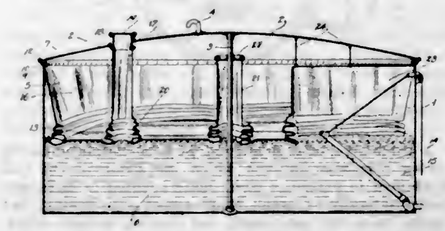
1. In a duplex telegraph system, a through repeater in which a polarized pole changing relay is associated with the first line, and a polarized pole changing relay is associated with the second line, each repeating signals to the other line, means for connecting a loop circuit to said through repeater, a repeating relay for repeating signals in said lines to said loop circuit, a control relay operated simultaneously with said repeating relay actuating the means to prevent the retransmission of signals to said lines, and means for transmitting signals from said loop circuit to said lines.

1,580,193. ROTARY TRANSFER DEVICE IN CONNECTION WITH ENDLESS CONVEYERS. NELSON H. FOOKS, Preston, Md. Filed Dec. 27, 1924. Serial No. 758,434. 12 Claims. (Cl. 198—103.)



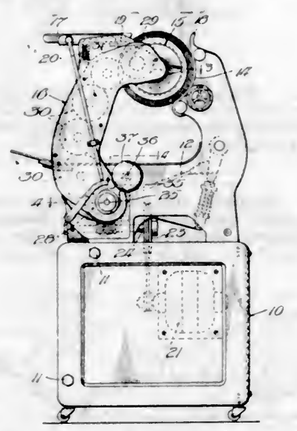
2. In combination, an endless receptacle-conveyer arranged to travel in a path so arranged that portions of the conveyer are travelling in opposite directions, means for transferring receptacles at will between two oppositely-moving portions of the conveyer, said means including a rotary member disposed between adjacent oppositely-moving portions of conveyer, receptacle-receiving means on the rotary member, a gateway between the rotary member and one of the said portions of conveyer, the receptacles received by the rotary member through the gateway being transferred by the rotary member to the adjacent oppositely-moving portion of conveyer, and means for closing said gateway against the passage of receptacles.

1,580,194. OIL TANK. CLIFTON A. GLASS, Kansas City, Mo. Filed Mar. 28, 1924. Serial No. 702,599. 6 Claims. (Cl. 220—26.)



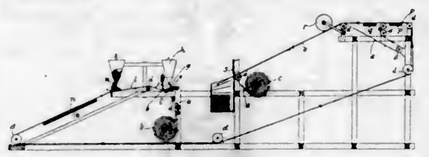
1. An oil tank comprising rigid side walls and a closed top, a horizontal curtain within the tank having its periphery spaced from the wall of the tank to permit the curtain to float freely within the tank, the curtain having a flexible side wall sealed at its upper edge to the upper portion of the tank wall to separate the part of the tank above the curtain from the part of the tank below the curtain, irrespective of the height of liquid within the lower part of the tank, the roof having a vent affording open communication between the upper part of the tank and atmosphere.

1,580,195. IRONING MACHINE. HERMAN G. GROSSE, Chicago, Ill. Filed July 21, 1924. Serial No. 727,382. 8 Claims. (Cl. 68—9.)



7. An ironing machine comprising a shoe and a rotatable roll arranged one in front of the other, and supporting and driving means for the roll and supporting means for the shoe disposed away from the interspace between the shoe and the roll to leave the ends of the latter open and so located and shaped as to leave a deep unobstructed space, open at the ends, extending from beneath the shoe underneath the roll to the remote side of the roll.

1,580,196. METHOD AND APPARATUS FOR MANUFACTURING IMITATION METALLIC AND COLORING FOIL FILMS. RICHARD GUDIN, Vienna, Austria. Filed May 21, 1925. Serial No. 31,887. 11 Claims. (Cl. 18—59.)

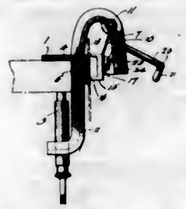


1. The method for the manufacture of imitation metallic and coloring foil films by applying the film matter to a moved support comprising sized fabric or sized backing or supporting band, the first layer of the film being applied to the support in a molten state.

1,580,197. CLAMP. JOHN M. HARGRAVE, Cincinnati, Ohio. Filed Sept. 29, 1924. Serial No. 740,421. 14 Claims. (Cl. 76—78.)

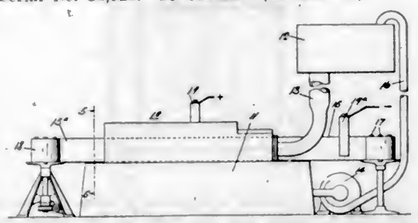
1. In a device of the class described, a first clamping member having a work face, bowed supporting members attached, in spaced relation, to said clamping member, each having a leg spaced from the work face of the member, a resilient element for each bowed supporting member secured at one end to the bowed supporting member, having its free end intermediate the leg and

work face, a second clamp member connected at opposite ends to said respective resilient elements and having a work face cooperable with that of the first mentioned



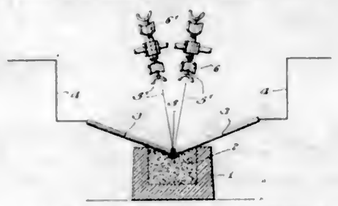
member, by swinging against the spring action, and means cooperable with the legs and movable member for forcibly advancing the member to clamping position and holding the same thereat.

1,580,198. PROCESS OF PRODUCING COATED OR OTHER THIN METALLIC SHEETS. HERBERT CHAMPION HARRISON, Lockport, N. Y. Filed May 21, 1925. Serial No. 31,921. 15 Claims. (Cl. 204—6.)



1. The method of producing thin metallic sheets which comprises depositing a layer of ductile metal electrolytically upon a cathode sheet, then subjecting the compound sheet thus formed to a working operation applied progressively, thereby loosening the deposited layer from the cathode sheet, and then stripping the layer from the cathode sheet.

1,580,199. PROCESS OF MAKING FIBROUS MATERIAL. CARL HERING, Philadelphia, Pa. Filed Sept. 2, 1924. Serial No. 735,282. 10 Claims. (Cl. 49—78.1)



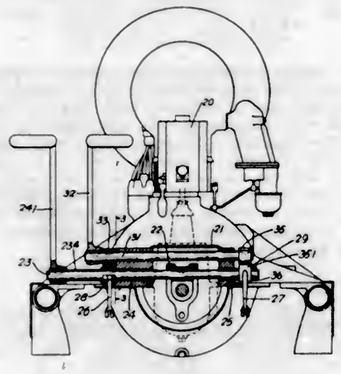
6. The process which comprises forming a bed of quartz, forming an arc adjacent to said bed, and supporting a globule of quartz fused by said arc in solid quartz of said bed.

1,580,200. BROWN-COLORED INSECTICIDE FOR USE ON TOBACCO PLANTS. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1922. Serial No. 561,012. 8 Claims. (Cl. 167—6.)

1. A brown colored insecticide in finely divided form capable of suspension in water comprising trimanganoarsenate.

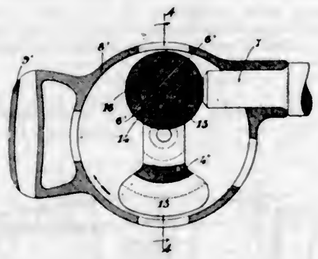
6. An insecticide comprising about two parts of a brown colored product containing an arsenate of manganese and having an arsenic content of not less than 48 percent of As_2O_5, and about one part of burnt umber.

1,580,201. BRAKE-OPERATING MEANS. ROLAND V. HUTCHINSON, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 30, 1923. Serial No. 628,913. 2 Claims. (Cl. 74—39.)



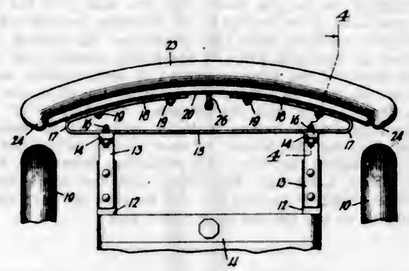
1. In a motor driven vehicle and in combination with a unitary driving motor comprising an engine and a housing for parts of the driving mechanism, and with brake mechanism for the rear wheels of the vehicle; an oscillating clutch supporting shaft supported by said housing; two oscillating brake applying levers supported by said housing in positions concentric to said clutch operating shaft, and which levers are operatively connected with said brake mechanism; an oscillating brake applying shaft arranged above and parallel with said clutch shaft, and supported also by said housing; means whereby said levers are operated from and by said brake applying shaft; and means for operating said two shafts.

1,580,202. PERCUSSIVE TOOL. GUILLAUME MARIE JAFFRENNOU, Paris, France. Filed Sept. 30, 1922. Serial No. 591,461. 1 Claim. (Cl. 78—34.)



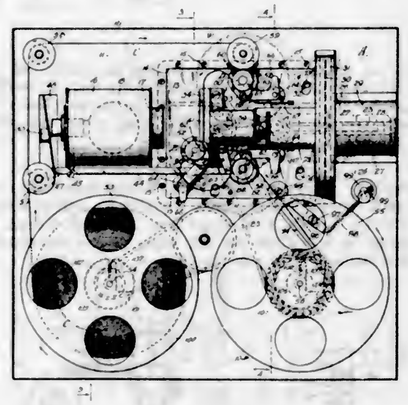
A percussive tool comprising in combination a casing having a passage through which the shank of the tool is adapted to extend, a cover plate adapted to close said casing laterally, a crank shaft across said casing, two cheeks balancing said shaft and leaving between themselves a channel for the path of said shank, two arms integral with said shaft, a striking member having the form of a cylindrical mass and provided with a circular recess in each of its lateral sides, and two rollers journalled on said arms and engaging into said recesses respectively.

1,580,203. PNEUMATIC BUMPER. EVERETT JASHEWAY and HENRY DUEMLER, Valls Mill, N. Y. Filed July 22, 1925. Serial No. 45,169. 3 Claims. (Cl. 293—55.)



1. A vehicle bumper comprising a bar having extending in-bowed ends, a metallic clincher plate bolted to said ends, means for attaching said bar to a vehicle, a rubber shoe engaged by said clincher plate, an inflatable tube filling said shoe and means for entering air to said tube.

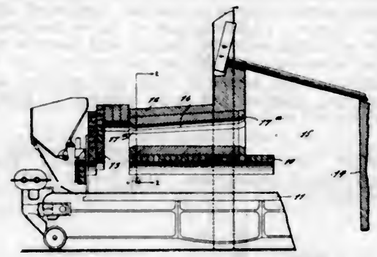
1,580,204. ATTACHMENT FOR MOTION-PICTURE-PROJECTING APPARATUS. HENRY W. JOY, Crugers on Hudson, N. Y. Filed Feb. 5, 1924. Serial No. 690,706. 4 Claims. (Cl. 88—17.)



1. In a motion picture projecting apparatus, the combination with a film sprocket, of means for yieldably clamping the film against said sprocket, comprising pads movable into position against the film, a pivoted lever supporting said pads, and a ratchet and pawl arrangement associated with said lever for locking the latter in position to separate the pads from the adjacent surface of the film sprocket.

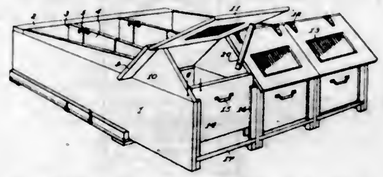
1,580,205. BOILER FURNACE. JAMES KEMNAL, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed July 26, 1924. Serial No. 728,430. 5 Claims. (Cl. 110—95.)

1. In a boiler furnace, a combustion chamber, an arch disposed intermediate the furnace grate and the roof of said chamber and having the front end thereof spaced from the front wall of the combustion chamber and a plurality of structures having longitudinal passages in the space between said arch and the roof of



said chamber protecting the upper side of the arch from the flames and affording a passage for the products of combustion therethrough to the furnace chamber.

1,580,206. CONFINING AND HOUSING DEVICE. DE WITT TALMAGE KERN, Kerr Robert, Saskatchewan, Canada. Filed Nov. 6, 1922, Serial No. 599,344. Renewed Sept. 14, 1925. 2 Claims. (Cl. 119—19.)



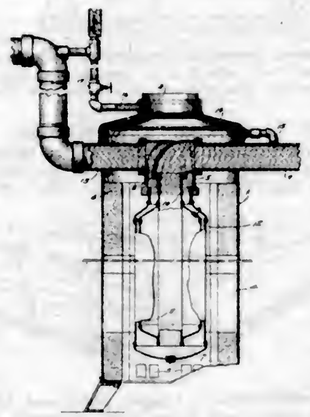
1. In combination, a housing partitioned into a plurality of rooms, each room having doorways at its opposite ends and doors for said doorways, a walled enclosure, open at top and bottom and having partitions dividing it into spaces respectively in communication with certain of said doorways, said last-mentioned partitions having doorways and doors therefor, and a flooring positioned across the open bottom of said walled enclosure, having stop side beams abutting upon the opposite side walls of the enclosure, the enclosure and housing being slidably removable from said flooring.

1,580,207. SUPPORT FOR VENDING MACHINES. PRESTON F. KIBBE, Yonkers, N. Y., assignor, by mesne assignments, to Automatic Machine Development Corporation, a Corporation of New York. Filed June 24, 1925. Serial No. 39,272. 4 Claims. (Cl. 248—20.)

4. In a support for a vending machine, the combination of a base, a bracket portion secured thereon having a horizontal plate provided with upstanding lugs adapted

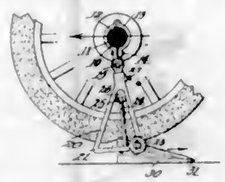
to fit into perforated ears on the vending machine, a second bracket portion terminating in a downwardly extending portion having a vertical open-ended slot to snugly receive a projecting part of the vending machine, a rod extending vertically through said machine having staples screw-threaded on the ends thereof, and hasps secured to said staples to hold said machine rigidly in vertical position, and locks adapted to hold said hasps on said staples.

1,580,208. WATER HEATER. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio. Filed Nov. 15, 1921. Serial No. 515,388. 2 Claims. (Cl. 122—319.)



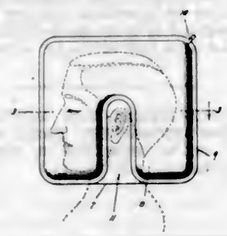
1. A hot water heater comprising a coupling member having inlet and outlet passages therein, and inlet and outlet pipes connected with respective passages, a cold water drop pipe connected with said coupling and inlet passage, an air tank concentrically attached to and surrounding said pipe forming an insulation for said pipe, a second tank concentrically surrounding said air tank attached to said coupling and forming with said air tank an attenuated annular water heating chamber between sid tanks, said chamber at its bottom connecting with said drop pipe and connecting at its top with said outlet passage, an open end heater body having a constricted upper end, said body having at its constricted portion an attenunted annular water chamber, said chamber connected by relatively small inlet and outlet pipes with respective first mentioned inlet and outlet pipes, with the discharge end of the second outlet pipe entering the first mentioned outlet pipe above the top of the heater body, and means for applying heat to the bottom of said second tank.

1,580,209. AUTOMOBILE JACK. EUGENE J. MCCARTY, Clinton, Mass. Filed Apr. 8, 1925. Serial No. 21,665. 1 Claim. (Cl. 254—86.)



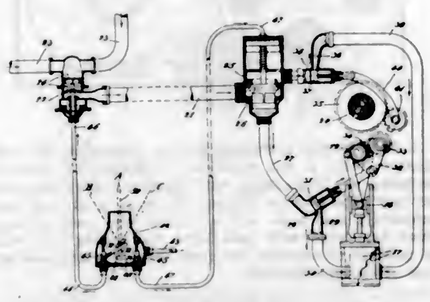
The combination with an automobile, of brackets surrounding the axles thereof near the wheels and secured in fixed position, each bracket having a horizontal pin projecting laterally therefrom at a point below each axle, a jack of solid form and triangular shape pivoted on said pin and having a vertical height greater than the distance of the pin from the ground, wheels on one corner of the base of said jack, whereby when the jack is applied to the pin under the rear axle and the car is run along up an incline in the direction towards which the jack projects, with rear wheels on the ground, the wheels of the jack will roll along the ground until the rear wheel of the vehicle is lifted to such position as to allow the jack to depend freely from its pivot pin by gravity when it will extend below the bottom of the wheel, said jack having a sharp corner at its bottom edge opposite the wheels so that it can be applied to the pin below the front axle projecting forwardly with the sharp point on the ground and the front wheel can be lifted by moving the car forward without using anything to lift the car except said jack.

1,580,210. PILLOW. JAMES E. MCCULLOCH, Washington, D. C. Filed Mar. 10, 1925. Serial No. 14,535. 5 Claims. (Cl. 5—338.)



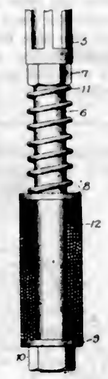
1. An inflatable pillow comprising an elastic top and a flat bottom, said bottom being composed of resilient material and being relatively stiff so as to remain flat under the inflated portion of the top when the pillow is inflated.

1,580,211. METHOD AND MEANS FOR CONTROLLING THE OPERATION OF VEHICLE PROPULSION UNITS. JOHN A. MCGREW and JAMES T. LORED, Albany, N. Y. Filed Dec. 15, 1921. Serial No. 522,525. 20 Claims. (Cl. 105—48.)



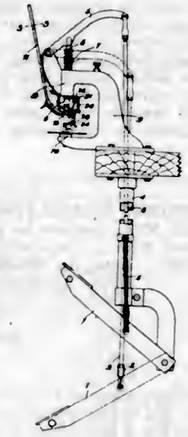
1. The method of aiding a locomotive engine in the propulsion of a train, which consists in utilizing the steam supply of the main engine of the locomotive for operating an auxiliary propulsion unit, and in controlling the supply of steam to said unt through the medium of means directly actuated by the pressure influence of the steam and operating to establish a driving connection between said unit and a load bearing axle of the train.

1,580,212. OIL-WELL PUMP. PATRICK G. MCKEON, HAROLD A. MOLES, and JOHN J. VARNER, Tulsa, Okla. Filed Feb. 28, 1925. Serial No. 12,417. 2 Claims. (Cl. 74—108.)



1. In a piston for use in a cylindrical casing comprising a piston-rod, spaced washers on said rod and spherical metallic bodies retained between said washers to substantially fill the space between the casing and the piston-rod.

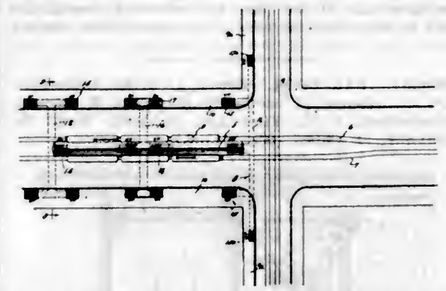
1,580,213. RIVETING MACHINE. CECIL E. MARTIN, Wabash, Ind. Filed May 14, 1925. Serial No. 30,311. 8 Claims. (Cl. 218—2.)



1. The combination with a riveting machine having a table portion, a plunger, and a head for the plunger, of a rivet carrier pivotally mounted on the plunger, and means for holding the rivet carrier in fixed relation to the plunger comprising a latch pivotally mounted on the carrier.

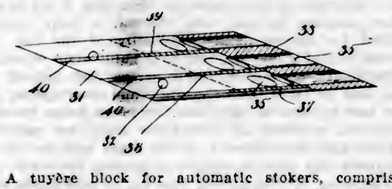
1,580,214. MEANS FOR FACILITATING SURFACE TRANSPORTATION. HARRY R. MILLER, Detroit, Mich., assignor of one-half to Nicholas J. Schorn, Detroit, Mich. Filed Mar. 20, 1925. Serial No. 16,915. 14 Claims. (Cl. 104—28.)

1. A method of facilitating vehicular transportation on city streets which consists of providing street car tracks substantially centrally of the street, depots between street corners for sheltering prospective passengers and pedestrians arranged between the car tracks at predetermined intervals, and passageways for pedestrians



from one side of the street to the other and from each side of the street to the depots arranged on a different level from that of the street.

1,580,215. REFRACTORY-MATERIAL GRATE. OSCAR O. NYGAARD, Saugus, Mass. Filed July 29, 1920. Serial No. 399,808. 2 Claims. (Cl. 110—44.)



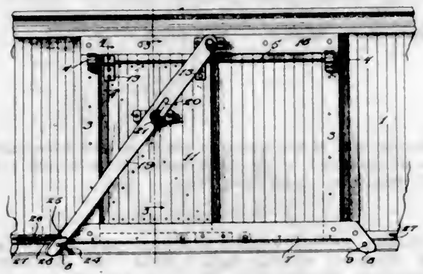
1. A tuyère block for automatic stokers, comprising an arched body portion having its sides spaced apart and extending parallel to each other, the outer arched portion acting as a fuel supporting and fuel burning surface, and a plurality of floors arranged substantially horizontal and extending from the arched portion and between the parallelly arranged sides.

1,580,216. TOP CONNECTION BETWEEN A HAME STRAP AND HAME. ALBERT RAHN and JOSEPH WEBER, Neustadt, Canada. Filed Mar. 3, 1925. Serial No. 12,917. 1 Claim. (Cl. 54—29.)

In a hame, the combination with a hame member and top strap of the hame, of a looped member extending around the hame member and to the inner end of which the top strap is connected, tubular portions formed in-

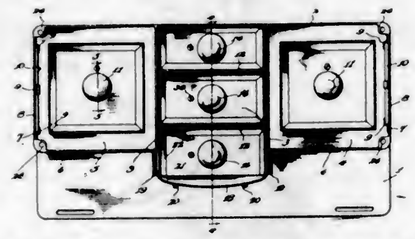
tegral with the loop sides and having longitudinal slotted inner walls, compression springs located in such tubular portions, and a transverse plate bearing against the inner edge of the hame and extending through the slots to bear upon the ends of the compression springs.

1,580,217. CAR DOOR. EDWIN A. RIVES, Greensboro, N. C., assignor of one-fourth to George W. Neister, Greensboro, N. C. Filed Apr. 13, 1923. Serial No. 631,829. 1 Claim. (Cl. 268—6.)



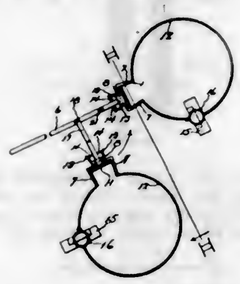
In a structure of the character described, a car having a door opening in one wall thereof, a door slidably mounted for movement longitudinally of the car wall into and out of a closed position, a guide strip extending longitudinally of the car wall across and beyond the lower end of said door opening and overlapping the lower end portion of said door, openings being provided in the end portions of said guide strip, an operating lever for said door pivoted at its upper end to the car wall above the door opening and having its lower free end extending in overlapping relation to said guide strip and provided with an opening adapted to register with the openings in the ends of said guide strip and receive a fastener, said lever having connection with the door whereby sliding movement may be imparted to the door when the lever is moved, an eye carried by the free end portion of said lever, eyes carried by the car wall in spaced relation to the ends of said guide strip, and a chain carried by the eye of said lever and adapted to be passed through an eye of the car wall and having means at its free end for engagement with the eye of the lever to secure the door in an adjusted position.

1,580,218. TRAFFIC SIGNAL FOR AUTOMOBILES. HASSEL D. ROBINSON, Washington, D. C., assignor of one-eighth to Ellen R. Bramlette, one-eighth to Thomas G. Bramlette, one-eighth to Bert T. Robinson, one-eighth to Clyde F. Robinson, and one-eighth to Theron J. Robinson, all of Washington, D. C. Filed Jan. 6, 1925. Serial No. 906. 2 Claims. (Cl. 177—329.)



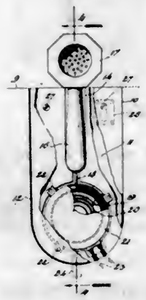
2. A traffic signal for automobiles comprising a back plate, a plurality of compartments formed upon the back plate, one of said compartments having an open bottom, reflectors secured in the respective compartments, illuminating devices located in the several compartments, the reflector in the open bottom compartment being provided at its sides with outwardly projecting flanges, projections on the back plate below and spaced from the lower edge of said reflector, other projections at the sides and spaced from the sides of said reflector, and a flexible transparent cover for said compartment having its ends engaged between the side flanges of the reflector and the projections adjacent the same and its intermediate portion engaged over the projections on the back plate below the said reflector.

1,580,219. TRAIN-ORDER HOOP AND HOLDER THEREFOR. WILLIAM E. ROGERS, Independence, Mo. Filed June 23, 1925. Serial No. 39,153. 6 Claims. (Cl. 258—3.)



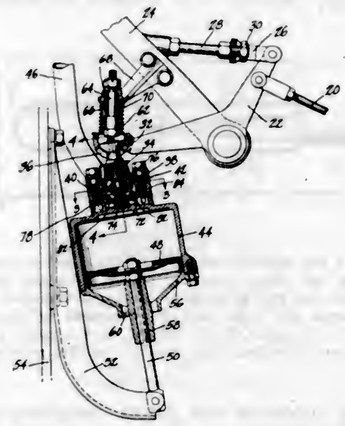
1. A device of the kind described comprising in combination, a hoop holder and a message carrying hoop, said hoop having means for gripping a message and said holder including a pair of grooved and pivoted jaws converging toward each other as their outer ends are approached for releasably holding said hoop, the hoop being formed to present a salient having sides diverging away from each other at angles coresponding to the angle of convergence of said jaws as their outer ends are approached and engageable by the grooves formed in the jaws of said holder.

1,580,220. TELEPHONE INSTALLATION. HERMAN SCHWARZE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 11, 1921. Serial No. 483,866. 3 Claims. (Cl. 179—155.)



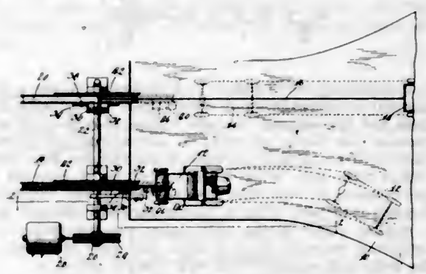
1. In telephone apparatus, the combination of a vehicle body wall, a telephone instrument, and a panel detachably connected to said body wall, said panel formed with a pocket adapted to receive said instrument and having means for retaining the conductor cables therefor.

1,580,221. VEHICLE. ERNEST W. SEAHOLM, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 25, 1924. Serial No. 688,610. 5 Claims. (Cl. 188—154.)



2. A vehicle comprising, in combination, a pedal and an adjacent coaxial operating lever, a fluid-power device connected to the lever, a control valve for said device, a connection from the pedal to the valve, and a lost-motion connection from the pedal to the lever.

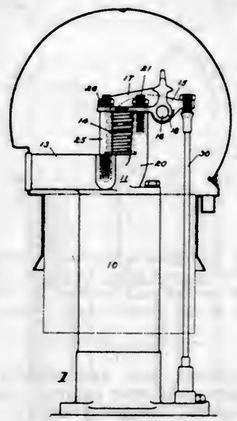
1,580,222. DEMONSTRATING APPARATUS. HERBERT L. SHARLOCK, Chicago, Ill., and MONTGOMERY W. MCCONKEY, Ferndale, Mich., assignors to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1925. Serial No. 19,090. 9 Claims. (Cl. 35—16.)



1. Demonstrating apparatus comprising, in combination, an inclined track, a pair of vehicles having differently-arranged brakes, and mechanism operating to move first one and then the other of said vehicles to the top of the track and then release it.

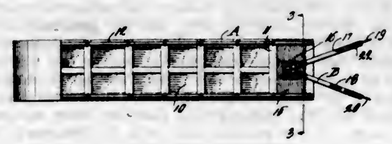
1,580,223. METHOD OF AND DEVICE FOR TEMPERATURE COMPENSATION. CALEB E. SUMMERS, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 17, 1923. Serial No. 613,250. 1 Claim. (Cl. 123—90.)

In combination in an internal combustion engine having a cylinder, a head therefor, a valve for closing a port in the head and opening into the cylinder, and an oscillating valve operating member for moving said valve to open said port; two posts spaced apart from one another and extending upwardly from said head, and which posts are made of the same material as said head; a frame pivotally connected with the upper ends of said posts and supported by said members; a shaft carried by said frame and whereupon said oscillating valve operating member is supported; and another post carried by said head and extending upwardly therefrom and spaced



apart from said first mentioned post, said last mentioned post being made from a material having a greater coefficient of expansion than said first mentioned posts and the upper end thereof being connected with said frame, whereby said frame is rocked and said shaft is moved toward said head as the cylinder expands due to heating thereof.

1,580,224. TOBOGGAN-STEERING DEVICE. ARTHUR W. TATRO, Adams, Mass. Filed May 29, 1923, Serial No. 642,287. Renewed Nov. 3, 1924. 3 Claims. (Cl. 280—18.)

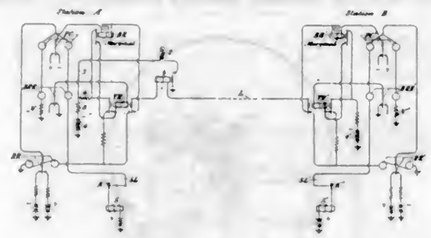


1. A steering device for toboggans including a base plate adapted to be secured on the rear end of the toboggan, a pair of rearwardly diverging arms of resilient material having their forward ends secured to the base plate in adjacent relation, and steering blades secured to the rear ends of the arms so as to be normally yieldingly held in an elevated inoperative position by the latter.

1,580,225. TELEGRAPH CIRCUIT. EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 27, 1923. Serial No. 665,147. Renewed Nov. 27, 1925. 5 Claims. (Cl. 178—2.)

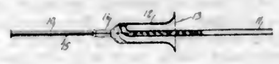
1. In a signaling system, a line circuit, terminal stations at each end of said line circuit, transmitting apparatus and receiving apparatus at each terminal station, a transfer relay at each terminal station, said transfer relays being arranged to connect the transmitting apparatus to the line circuit at one station and the receiving apparatus to the line circuit at the other station for transmission in one direction, said transfer relays being also arranged to shift the connection so that the

transmitting apparatus will be connected to the line circuit at the second station and the receiving apparatus to the line circuit at the first station to transmit signal-



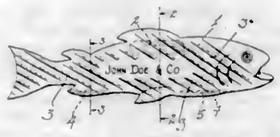
ing currents in the opposite direction, locking circuits for said transfer relays, and relay means in series with said line circuit at one of said stations for controlling the locking circuit of the transfer relay thereat.

1,580,226. PROCESS FOR THE MANUFACTURE OF TIPLESS INCANDESCENT LAMPS. GEORGE F. WEBB, Hamilton, Ontario, Canada. Filed Oct. 17, 1925. Serial No. 63,053. 1 Claim. (Cl. 49—78.)



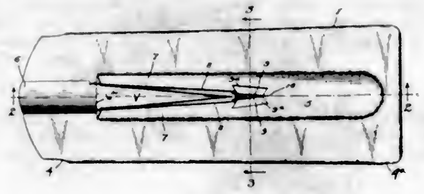
The method of uniting the exhaust tube with the leading-in tube of tipless incandescent lamps during the process of uniting the filament carrying stem with the leading-in tube, which consists of axially aligning the filament carrying stem and exhaust tube with their nearest ends within the leading-in tube and with a substantial intervening space between such ends, fusing to plasticity and producing massed coalescence of the end of the filament carrying stem and the proximal portion of the leading-in tube, thereby causing the end of the exhaust tube to bend toward the wall of the leading-in tube by heat attraction and become welded to said wall adjacent the mass formed aforesaid, introducing an air current into the exhaust tube from its outer end while the union of the exhaust tube with the leading-in tube is yet plastic thereby blowing an opening in the latter tube at the end of the former tube whereby communication is established from outside the leading-in tube to the inside of the exhaust tube.

1,580,227. ADVERTISING DEVICE. DALE CRAIG WILHELM, Gillette, Wyo. Filed Oct. 17, 1924. Serial No. 744,201. 2 Claims. (Cl. 46—40.)



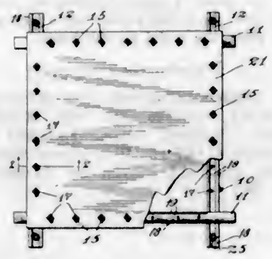
1. An advertising device comprising a buoyant body portion provided with a series of inclined corrugations in the sides thereof extending upwardly and rearwardly, and auxiliary means for adjusting the center of gravity and the weight of the floating device at will.

1,580,228. PEA SHELLER. JOHN W. WRIGHT, Puyallup, Wash., assignor to Wright Pea Sheller Company, Seattle, Wash., a Corporation of Washington. Filed Feb. 20, 1925. Serial No. 10,567. 3 Claims. (Cl. 130—30.)



1. In a pea sheller, a plate, a cutting member upstanding from the plate, diverging guides extending from a point near the cutting member leaving a V-shaped opening between the same, and an abutment between the guides at the opposite end thereof, and a guide groove in the plate extending back from the cutting member.

1,580,229. CLOSURE FOR TANKS. ALEXANDER BOYNTON, San Antonio, Tex. Filed Apr. 9, 1924. Serial No. 705,294. 2 Claims. (Cl. 220—24.)

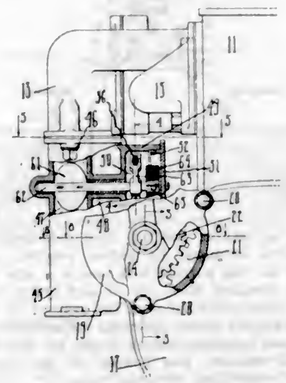


1. A closure of the character described including a rectangular frame made up of channel bars having body portions and side flanges, the side flanges of certain of said channel bars being cut away to accommodate the other channel bars, the body portions of the channel bars being formed with bolt holes, bolts having heads received in the channels of said bars and having shanks projecting through said bolt holes, a casing for each channel bar, a closure plate having bolt holes accommodating the projecting portions of said bolts, and nuts threaded on the bolts and engaged with said closure plates.

1,580,230. GOLF BALL. WILFRED P. BREARTON, Winnipeg, Manitoba, Canada. Filed Mar. 1, 1924. Serial No. 696,302. 1 Claim. (Cl. 273—62.)

A hollow, celluloid ball enclosed within a cloth covering and having short lengths of yarn darned through the covering and enclosing the entire exterior surface of the covering, the ends of the various lengths of yarn extending radially outwardly from the ball and being cut off to give a spherical exterior face.

1,580,231. GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. ARTHUR A. BULL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 26, 1920. Serial No. 398,912. 2 Claims. (Cl. 123—108.)



1. In governor mechanism of the class described, a hollow housing; centrifugal governor mechanism located within said housing and supported in its entirety therefrom; a pinion whereby said governor mechanism is driven; supporting means for supporting said housing from the engine and in position such that said pinion will mesh with a gear of the engine, so that said mechanism may be attached to and removed from the engine in its entirety and as a single unitary device; a mixture supply conduit through which combustible mixture flows to the engine; a valve for controlling the flow through said conduit; and a rod operated by said centrifugal governor mechanism and operatively connected with said valve.

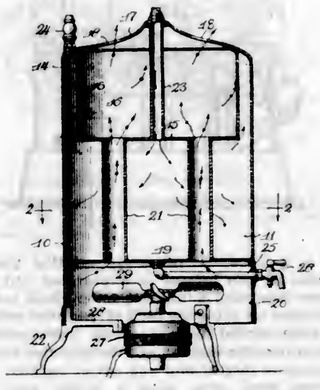
1,580,232. DETACHABLE TREAD FOR FOOTWEAR. WILLIAM H. CHENERY, Montreal, Quebec, Canada. Filed Feb. 4, 1924. Serial No. 690,573. 1 Claim. (Cl. 36—36.)

A heel structure comprising an upper part having a metal plate secured to its bottom surface, said part and plate being formed with registering openings and one edge of said plate being turned upwardly to provide a guard flange, a lower part having a metal plate secured to its upper surface, a plurality of hooks projected upwardly from said last mentioned plate and adapted to be inserted in the openings of the first mentioned plate and to grip the latter when shifted laterally thereon subsequent to insertion through said openings, and a spring locking strip having one end secured on the first mentioned plate and provided with an intermediate projection adapted to engage in one of the openings in said plate and behind the hook inserted in said opening, the free end of the locking strip being bent upwardly to lie against the inner surface of the guard flange and being accessible through an opening formed in the latter.

1,580,233. PENETRATING OIL AND LUBRICANT. HOWARD NORMAN COPTHORNE, Winnetka, Ill., assignor to Illinois Graphite Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1924. Serial No. 718,061. 1 Claim. (Cl. 87—9.)

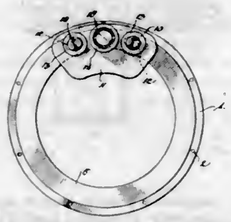
A lubricant comprising deflocculated graphite suspended in a distillate having a specific gravity of approximately .843 at 60 degrees F. obtained by cracking pentadecane at a distilling range of 220 degrees C. to 350 degrees C.

1,580,234. CONDENSER. ALFRED M. DEMUTH, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,636. 4 Claims. (Cl. 257—39.)



1. A condenser embodying a cylindrical outer shell, a top and bottom therefor, the bottom being spaced a considerable distance above the lower end of the said shell, an inner shell of smaller diameter than the outer shell concentrically located within the upper end of the outer shell to form therewith, a cylindrical chamber between the bottoms of the two shells and an annular chamber between the two shells, air circulating pipes within the said cylindrical chamber and opening through the bottoms of both of said shells, a vapor pipe extending through the said inner shell and having communication with the interior of the said outer shell, and a draw off leading through the bottom of the said outer shell, there being air outlet openings through one of the walls of the said inner shell.

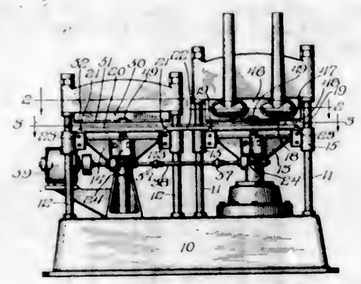
1,580,235. PISTON-RING FORMER. VINCENT DI PRIMA, Detroit, Mich. Filed Mar. 31, 1924. Serial No. 703,184. 2 Claims. (Cl. 81—15.)



2. Means for adjusting and holding a pattern piston ring to form while being attached to a support for the production of cast piston rings, comprising an expansible member adapted to be placed in a pattern ring and expanded against the inner wall of the pattern ring, a plate carried by said expansible member, means carried

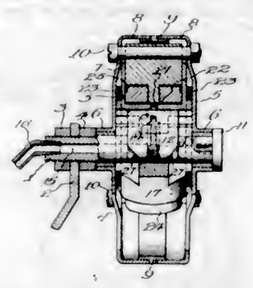
by said plate for expanding said member, and means holding said plate relative to said member to permit of said plate being fixed after said member has been expanded.

1,580,236. MACHINE FOR CORRECTING PRINTING PLATES. EMIL ERICKSSON, Chicago, Ill., assignor to Wm. A. Field Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1923. Serial No. 680,187. 5 Claims. (Cl. 153—48.)



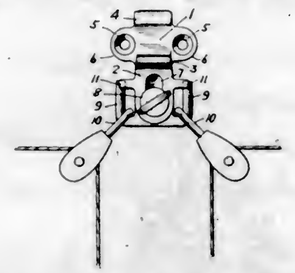
1. In a machine for correcting printing plates, the combination of two presses each provided with a fixed upper press head and a movable lower press head, independent means for actuating each of the lower press heads, a table plate carried by each of the lower press heads, guide mountings for each of said table plates for permitting movements thereof into and out of register with the co-operating fixed press head, a bridge plate located between the table plates, said table plates and said bridge plate lying in a continuous plane when both of said table plates are projected and lowered, means for heating one of the fixed press heads, and means for cooling the other fixed press head, substantially as described.

1,580,237. ROTARY AIR PUMP. ANDREW J. ESPITALLIER, Aurora, Ill., assignor to himself and Earl L. Curren, Aurora, Ill. Filed Feb. 26, 1925. Serial No. 11,644. 7 Claims. (Cl. 230—31.)



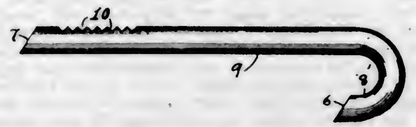
1. A pump comprising a shaft and a surrounding casing rotatable relatively to each other, an eccentric on the shaft within the casing, a plurality of radial pistons hung in the casing for oscillation about axes parallel with the axis of rotation, a cylinder surrounding each piston and fitted against the periphery of said eccentric, each cylinder having a lateral projection, and a ring surrounding said shaft and overlying the projections on all of the cylinders to hold the cylinders to the eccentric.

1,580,238. HOLDER FOR AWNING AND LIKE HEAD RODS. WILLIAM S. FEENY, Philadelphia, Pa. Filed Oct. 14, 1925. Serial No. 62,365. 1 Claim. (Cl. 156—15.)



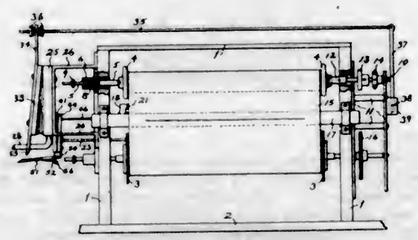
A holder for awning and like head rods including two plate elements arranged in sliding relation and each provided at one end portion with one of a pair of spaced confronting clamping jaws, one of said plates being provided with holes arranged near the root of its clamping jaw, a slot-and-set screw clamping adjustment connecting said plate elements, pulley hooks on the last mentioned plate element, and guards on the other plate element for cooperation with the hooks.

1,580,239. COTTER PIN. ROBERT B. FERGUSON, Los Angeles, Calif. Filed May 15, 1925. Serial No. 30,526. 5 Claims. (Cl. 74—8.)



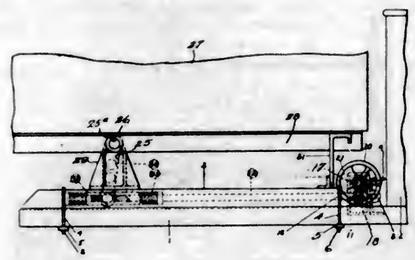
1. A cotter pin comprising a cylindrical body having a shepherd-crook-head at one end and notches in the body near the other end.

1,580,240. TRACKING DEVICE FOR PLAYER PIANOS. GUSTAV A. FORSBERG and THOR W. GRANBERG, Chicago, Ill. Filed May 31, 1924. Serial No. 716,913. 10 Claims. (Cl. 84—139.)



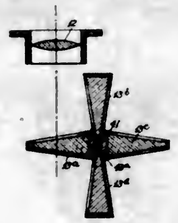
1. A tracking mechanism for player pianos including a tracker bellows having a port and operative during piano playing, means operatively connected to the movable leaf of said bellows for effecting adjustment of a music-roll in relation to a tracker-bar, a tracking-controller co-operating with said port and with an edge of a music-sheet on the roll, an auxiliary bellows operative during the rewinding of the sheet on its roll, and means controlled by the auxiliary bellows and operative at the completion of the playing of a sheet to lock the tracker bellows in the position it then occupies.

1,580,241. VEHICLE BODY. JOHN C. GAY, RALPH E. SMITH, and HARRY J. QUIRK, Galion, Ohio, assignors to The Galion Metallic Vault Company, Galion, Ohio, a Corporation of Ohio. Filed June 29, 1923. Serial No. 648,554. 12 Claims. (Cl. 298—19.)



1. In combination, a truck body, a supplementary frame, means for pivotally supporting the truck body near the rear of the frame and to the rear of the center of the truck body, a support for the truck body carried by the supplementary frame at the front end thereof, arms fixed to and depending from said pivotal connection, an operating shaft connected with said arms for moving them fore and aft of the frame, and means for operating said shaft to raise and lower said truck body.

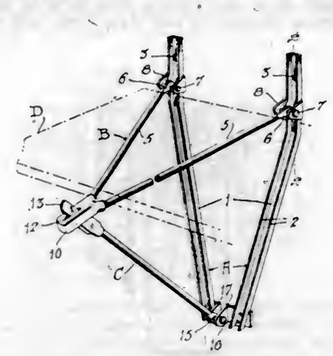
1,580,242. STEREOSCOPIC CINEMATOGRAPHIC APPARATUS. MAXIMILLIAN GIRSDANSKY, New York, N. Y. Filed Mar. 12, 1921. Serial No. 451,755. 2 Claims. (Cl. 88—16.6.)



1. The combination with a cinematographic device comprising a film gate and intermittent film-feeding mechanism, of movably mounted refracting means optically associated with said film gate, said refracting means comprising a sector shaped light-refracting device one of the faces of which is a portion of the lateral surface of a cone, and means for continuously actuating said refracting means in predetermined timed relationship with respect to said film-feeding mechanism.

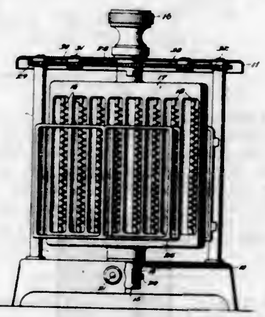
1,580,243. SCAFFOLD BRACKET. REUBEN GRUNT, Newark, N. J. Filed Nov. 6, 1924. Serial No. 748,055. 1 Claim. (Cl. 304—33.)

A scaffold bracket comprising a base, a substantially V-shaped scaffold board support including a cast metal piece having a mortise and a bifurcated end and a pair of pipes each having one end rigidly connected to one of the arms of said bifurcated end and its other end pivotally connected to said base, and a prop including a pipe having one end pivotally connected to said base



and a cast metal tenon rigidly secured to the other end thereof to freely enter said mortise, said tenon having shoulders at its inner end to abut said cast metal piece of said board support.

1,580,244. ELECTRIC TOASTER. ALBERT GUISSART and EDGAR H. BARBE, New York, N. Y.; said Guissart assignor to said Barbe. Filed June 2, 1922. Serial No. 565,438. 18 Claims. (Cl. 219—19.)

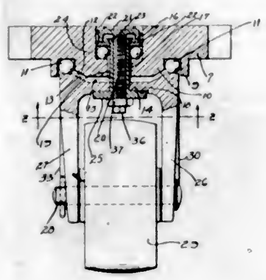


1. In a bread toaster the combination of a frame, three shafts disposed in line and journalled in said frame, a heating unit secured to the middle shaft to rotate therewith, and a pair of bread holders secured at their ends to the other shafts to rotate therewith, a gear train including a relatively large gear secured to the middle shaft, relatively small gears secured to the other shafts and idler gears between the large middle gear and the small gears, said gears having ratios to cause the holders to reverse their positions relative to the unit and to cause the holders each to reverse the side facing the unit.

1,580,245. CASTER. EDWARD A. HELLER, Detroit, Mich. Filed Oct. 13, 1924. Serial No. 743,289. 2 Claims. (Cl. 16—21.)

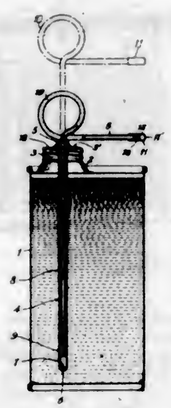
1. A caster comprising an attachment plate having a recess formed in its upper surface; a supporting yoke having a recess formed in its under surface; a pintle separate from said plate and yoke projected into said recess in said plate and provided with a head adapted for

seating in the recess formed in said yoke, said pintle being nonrotatable relatively to said yoke, and adapted to rotate relatively to said plate upon rotation of said yoke relatively to said plate on said pintle as an axis; ball bearings mounted in said plate recess and adapted



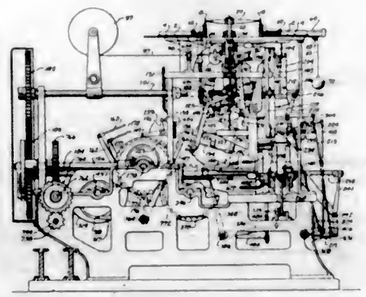
for engaging the periphery of said pintle and the inner surface of said plate recess; and a washer permanently mounted on said pintle in engagement with said ball bearings and serving for retaining said ball bearings in engagement with the base of said plate recess.

1,580,246. ATOMIZER. HARLEY HOWARD HELLER, Sound Beach, Conn. Filed Aug. 16, 1921. Serial No. 492,812. 7 Claims. (Cl. 299—97.)



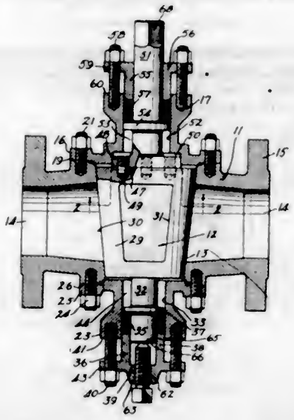
1. Apparatus for spraying liquid directly from the container in which it is supplied comprising a member adapted to be substituted for the ordinary closure of the container, an outer tube attached to the member and adapted to extend into the liquid within the container, a check valve at the lower end of the outer tube, an inner tube mounted for reciprocation within the outer tube, a piston at the lower end of the inner tube, a nozzle at the upper end of the inner tube and a member closely and slidably fitted within the nozzle and provided with passageways for deflecting the liquid as it passes therethrough, said member being adapted to close the inner tube during the suction stroke of the piston.

1,580,247. BLADE-PACKAGING MACHINE. FERDINAND G. HENRY, North Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed July 30, 1921. Serial No. 488,608. 41 Claims. (Cl. 93—6.)



1. A machine for packaging blades having, in combination, means for inserting blades between the leaves of a book, means for inserting the book in an envelope and means for inserting the filled envelope in an enclosing member.

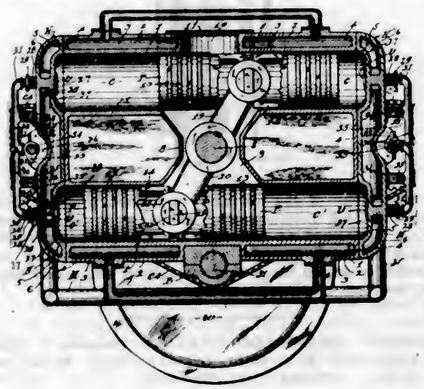
1,580,248. DOUBLE-PACKED STOP COCK. FREDERICK C. HEYLMAN, Martinez, Calif. Filed June 1, 1925. Serial No. 34,106. 15 Claims. (Cl. 251—103.)



1. A stop cock comprising: a body having a conical seat with which passages connect; an upper bonnet secured to said body at the upper end of said conical seat; a lower bonnet secured to said body at the lower end of said conical seat; a conical plug placed in engagement with said conical seat; a spindle extending through said lower bonnet from the lower apex end of said plug; a lower stuffing box carried by said lower bonnet, surrounding said spindle; a stem extending through said upper bonnet; an upper stuffing box carried by said upper bonnet, surrounding said stem; and means for connecting said stem to the upper base end of said conical plug.

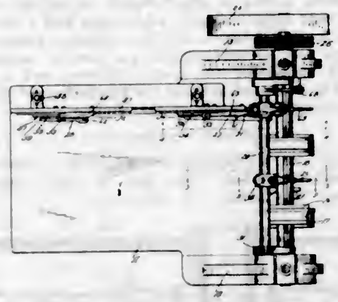
15. A stop cock comprising: a body having a conical seat with which passages connect; an upper bonnet secured to said body at the upper end of said conical seat; a lower bonnet secured to said body at the lower end of said conical seat; a plug placed in engagement with said conical seat; a spindle extending through said lower bonnet from the lower end of said plug; a lower stuffing box carried by said lower bonnet, surrounding said spindle; a stem extending through said upper bonnet; an upper stuffing box carried by said upper bonnet, surrounding said stem; means for connecting said stem and said plug together; a set screw carried by the gland of said lower stuffing box adapted to engage said spindle in a manner to free said plug should it become bound; and means for forming cooling spaces between said plug and said upper and lower stuffing boxes.

1,580,249. INTERNAL-COMBUSTION ENGINE. DAYTON H. HONNOR, Dunsmuir, Calif. Filed Sept. 8, 1921. Serial No. 499,340. 12 Claims. (Cl. 121—120.)



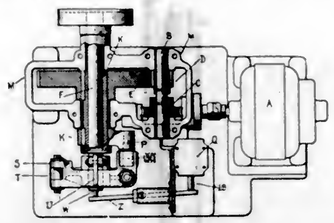
11. An internal combustion motor including a cylinder block having a cylinder therein, a rock shaft disposed at one side of and at right angles to the axis of said cylinder, a piston reciprocably held in said cylinder, a rocker arm fixed to said shaft and having a bearing member pivotally held in the end thereof and slidably connected with said piston so that when the piston moves in a longitudinal path, said bearing member will move transversely of the piston, and a power shaft operably connected with said rock shaft.

1,580,250. SHEET-GAUGING DEVICE FOR SLITTING MACHINES. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 19, 1922. Serial No. 582,908. 16 Claims. (Cl. 164—62.)



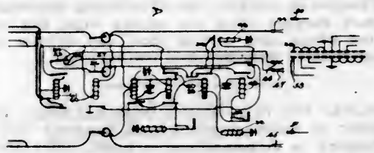
1. In a machine for slitting sheet metal and the like, the combination of slitting elements, a table upon which the sheets are fed to said elements, and gauging devices comprising front and rear side gauging levers for aligning the sheets upon said table, said devices being adapted to move a predetermined distance in holding engagement with a sheet and being thereafter retractable to permit passage of an irregular sheet portion.

1,580,251. SAFETY DEVICE FOR ELECTRIC MOTORS. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 2, 1923. Serial No. 629,408. 17 Claims. (Cl. 192—150.)



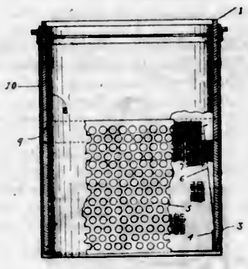
1. A safety device for an electric motor comprising a load shaft, a drive shaft, a fixed yoke secured to the load shaft, a movable yoke having one end pivoted to the fixed yoke, means connecting the free end of the movable yoke with the drive shaft, and a spring reacting against the said free end of the movable yoke.

1,580,252. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Chicago, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 25, 1918. Serial No. 224,430. 22 Claims. (Cl. 179—18.)



1. In a telephone system, an automatic trunk selecting switch, two groups of trunk lines accessible thereto, means for making certain of said trunks busy when in use, a pair of test wipers for the switch, and means involving the use of one of said wipers for preventing the switch from seizing the trunks of one group even though not in use, and involving the use of the other wiper for enabling the switch to select an idle trunk in said group.

1,580,253. OIL-BURNING STOVE. ALBERT E. JAMES, Natchez, Miss. Filed Dec. 29, 1924. Serial No. 758,633. 8 Claims. (Cl. 67—70.)

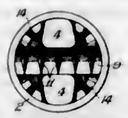


1. The combination in an oil-burning stove, of a wick-carrier, a short sub-wick secured in said wick-carrier, a plurality of hook-bearing springs disposed within and securely fastened to said wick-carrier, and a short super-wick secured in contact with the upper edge of said sub-wick by means of said hook-bearing springs.

1,580,254. DRILL. LAWRENCE DUDLEY KARNS, Salt Lake City, Utah, assignor, by mesne assignments, to Lawrence Well Drill Company, a Corporation of Arizona. Filed Sept. 26, 1921. Serial No. 503,351. 13 Claims. (Cl. 255—64.)

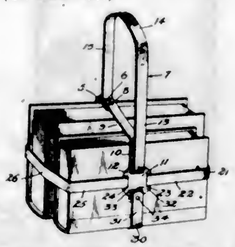
1. In a drill, the combination of a bit having a main cutting edge with a plurality of notches sharpened and beveled on both faces, wings on the opposite ends of said main cutting edge having a plurality of notches sharpened and beveled on one face, the main cutting edge extending a short distance below the cutting edges and notches of the wings, said cutting edges and notches of the wings receding from the main cutting edge.

1,580,255. BIT DIE. JOHN P. KARNS, Chicago, Ill., assignor, by mesne assignments, to Lawrence Well Drill Company, a Corporation of Arizona. Filed Mar. 29, 1922. Serial No. 547,602. 10 Claims. (Cl. 76—95.)



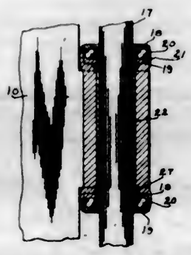
1. A bit shaping die comprising parts arranged for forming on the face of the bit a transversely arranged ridge, and parts arranged laterally with respect to the first named parts for forming wings on the bit laterally of the ridge, said first named parts being provided with projections whereby there will be formed notches in the cutting edge of the ridge.

1,580,256. BOOK CARRIER. HENRY C. KEELER, Retsil, Wash. Filed May 18, 1925. Serial No. 30,965. 2 Claims. (Cl. 224—50.)



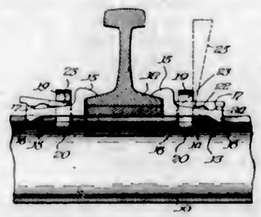
1. A book carrier comprising a strap, a clasp on one end of the strap, a four slot plate, said strap passing through said plate to form a carrying loop, and means whereby the remainder of the strap is adapted to be adjustably looped around books both in a horizontal and vertical direction.

1,580,257. BALL-BEARING DOOR HINGE. FRANK I. KIMBALL, West Haven, Conn., assignor to Sargent & Company, New Haven, Conn. Filed Jan. 24, 1924. Serial No. 688,226. 14 Claims. (Cl. 16—136.)



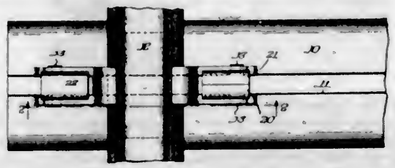
1. A hinge of the character described, provided with leaves having inter-engaging knuckles, a bearing container positioned at one edge of one of the knuckles, means engaged directly with the container and the knuckle to secure the former in position and a ball bearing mounted in said container.

1,580,258. RAIL-HOLDING CLAMP. CHARLES P. KIMMEL, Gary, Ind. Filed Oct. 17, 1925. Serial No. 63,068. 7 Claims. (Cl. 238—343.)



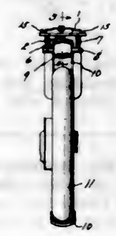
1. In a rail holding device, the combination with a hollow tie, having a longitudinal slot in its upper wall and a lateral recess in communication with said slot, of a clamp having a head adapted to overlie the rail base, a body lying alongside of the slot and a toe entering the lateral recess, a retainer having a portion overlying the body of the clamp and a portion entering the slot and underlying the margin thereof, and a wedge adapted to be driven between the top surface of the body and the overlying portion of the retainer.

1,580,259. RAIL-FASTENING DEVICE. CHARLES P. KIMMEL, Gary, Ind. Filed Oct. 24, 1925. Serial No. 64,580. 11 Claims. (Cl. 238—34.3.)



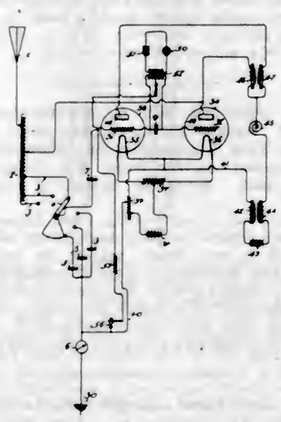
1. In a rail fastening device, the combination with a slotted tie and a rail resting thereon, of a rail clamp having a portion overlying the rail base, a tapered portion and a toe, and a holding key engaging in the slot in the tie and having an inclined surface for engagement with the rail clamp, the toe of the rail clamp being adapted to be distorted to retain the key in holding position.

1,580,260. ENDLESS FLEXIBLE TRACK FOR AUTOMOBILE WHEELS. AUGUST G. KLINE, Royal Oak Township, Oakland County, Mich. Filed June 5, 1924. Serial No. 717,971. 4 Claims. (Cl. 305—3.)



1. A traction device for automobiles comprising a plate adapted to be attached to the automobile fender, a pair of springs depending from the said plate, a shaft secured to the lower end of the springs, a pulley rotatably mounted on the shaft, and an endless flexible track extending about the automobile tire and pulley.

1,580,261. ELECTRICAL SIGNALING SYSTEM. CHARLES VEYNE LOGWOOD, New York, N. Y. Filed July 12, 1919. Serial No. 310,313. 13 Claims. (Cl. 250—6.)

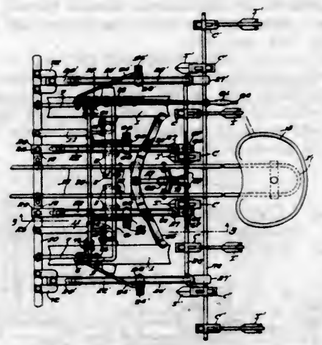


1. In a signaling system, a radiating system, means for generating and supplying oscillating current to said radiating system comprising an audion and its associated circuits, a source of direct current included in one of said circuits, an impedance coil formed in two parts each part being oppositely wound with respect to the other and included in circuit with said source of power, and means controlled by the signal to be sent for blocking the current flow through a portion of said coil.

1,580,262. SERVICE-REQUIREMENT INDICATOR FOR AUTOMOBILES. LOGAN T. MCMENEMY, Chicago, Ill. Filed Nov. 3, 1924. Serial No. 747,470. 7 Claims. (Cl. 40—10.)

1. An attention period indicator for automobiles, comprising a holder mounted behind the dash and having an opening adapted to register with an opening in said dash, and progressively removable means in said holder and visible through said openings for indicating the mileage period at which attention should next be given to the care of the car.

1,580,263. CULTIVATING IMPLEMENT. JOSEPH MADER, Philadelphia, Pa., assignor to S. L. Allen & Co. Inc., a Corporation of Pennsylvania. Filed July 20, 1921. Serial No. 486,088. 12 Claims. (Cl. 97—156.)

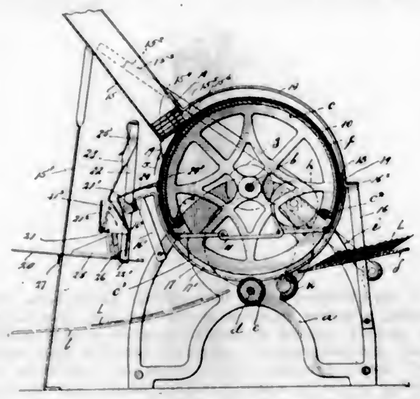


1. In a machine of the class described, the combination of a frame, ground wheels and supporting means extending between said frame and said wheels, a draft bar rigidly positioned in front of and below said frame, a plurality of independent substantially parallel tool-carrying gang bars positioned one behind the other in rear of and below said frame, a plurality of draft rods extending between said draft bar and one of said gang bars, a plurality of draft rods extending between said draft bar and the other of said gang bars, foot operative means for effecting simultaneous lateral movement of said gang bars with respect to said frame and manually operable means adapted to raise and lower said gang bars simultaneously irrespective of the laterally shifted position thereof.

1,580,264. DUPLICATING OR COPYING APPARATUS. MANFRED MANRODT, New York, N. Y. Filed May 26, 1924. Serial No. 715,779. 8 Claims. (Cl. 101—49.)

1. In a duplicating or copying apparatus the combination with a rotary drum, of a flexible sheet carrying an ink pad and adapted to be removably mounted on said

drum, means on said flexible sheet capable of interlocking with one another to hold the latter in position on said drum, a stack of automatically fed stencils, and

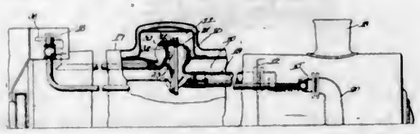


means on said flexible sheet arranged in alignment with said ink pad and capable during each revolution of catching and positioning one stencil at a time over said ink pad.

1,580,265. METHOD OF MAKING DYES. JOSEPH BENSON MARVIN, Jr., Saranac Lake, N. Y.; Gladys C. Marvin executrix of said Joseph Benson Marvin, Jr., deceased. Filed Feb. 5, 1921. Serial No. 442,755. 14 Claims. (Cl. 260—60.)

1. The method which comprises the step of reacting in 1:4 dichlor anthraquinone α sulphonic acid with para toluidine ortho sulphonic acid in the presence of a neutral, insoluble substance capable of combining with the hydrochloric acid liberated during the course of the reaction, and in the presence of a metallic catalyzer.

1,580,266. LOCOMOTIVE. JOHN L. MOHUN, Omaha, Nebr. Filed July 16, 1923. Serial No. 651,828. 15 Claims. (Cl. 60—97.)



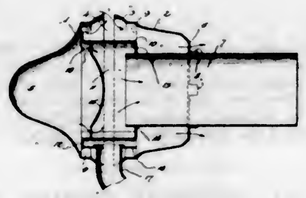
13. In a locomotive having a saturated steam supply chamber, super-heater, and turret for supplying auxiliary steam consuming devices; means, automatically operable, for supplying said turret with super-heated steam only when the locomotive is working and with saturated steam only when the locomotive is not working including, a throttle controlled conduit between said chamber and super-heater, and duplicated valve controlled conduits between said chamber and turret.

1,580,267. PROCESS FOR MAKING VEHICLE TIRES. EDWARD NELSON, Belleville, N. J., assignor to O. & W. Company, a Corporation of New York. Filed July 15, 1922. Serial No. 575,150. 8 Claims. (Cl. 18—59.)

1. The process of making tires having a closed cavity comprising molding the separate parts of the tire in substantially their finished form out of uncured rubber compound; assembling said uncured parts on an internal mold ring member to form the tire with a cavity, later to be closed, formed between certain of said parts; forcibly unifying said uncured parts at their mutually contacting surfaces to integrate the tire and close said

cavity; applying external mold ring members to the uncured tire; and vulcanizing said tire with its form maintained by said internal and said external mold ring members.

1,580,268. AIR FILTER. ANTHONY F. PAJALIC, Detroit, Mich. Filed Mar. 23, 1925. Serial No. 17,696. 8 Claims. (Cl. 183—110.)



1. An air filter of the type described comprising a two-part outer casing having a front closed air deflecting end, an inner casing connecting and maintaining the parts of the outer casing spaced apart, a baffle in said inner casing, and an outlet connection coaxially of said casings and fitted in a wall of said inner casing.

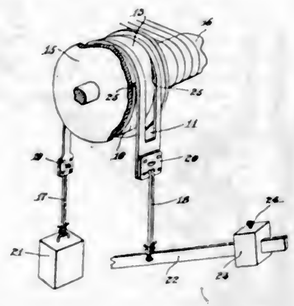
1,580,269. PROCESS FOR REGENERATING BLACK LIQUOR. ALFRED H. WHITE, Ann Arbor, Mich., assignor to John E. Alexander, Port Edwards, Wis., and E. G. Goodell, Stevens Point, Wis., trustees. Filed Apr. 2, 1925. Serial No. 20,046. 5 Claims. (Cl. 23—48.)

1. The process of regenerating black liquors from the sulphate pulp process including destructively distilling the solid matter in such liquor, heating the residual salts with lime and carbonaceous material sufficient to reduce the sodium sulphate present, the temperature being above the minimum required to reduce the sulphate in the presence of lime and below the temperature at which calcium carbonate dissociates, and lixiviating the product.

1,580,270. FRICTION LET-OFF FOR LOOMS. STANLEY WILLIAMS, Scranton, Pa. Filed July 30, 1924. Serial No. 729,090. 1 Claim. (Cl. 188—83.)

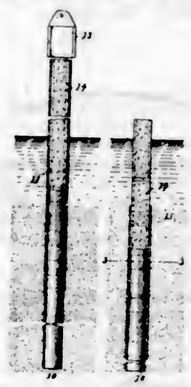
The combination with a warp beam having stub shafts projecting from its ends for detachably mounting the same in a loom frame, of friction let-off means therefor comprising a friction pulley on at least one of said stub shafts between the warp beam and the bearing portion of the stub shaft, a single strap extending around said pulley and formed with a longitudinal slot at one end and a narrow strip at the other end to pass through said slot and along the same to give a substantially continuous friction surface of the full width of the strip

where the slotted portion of the strip engages the surface of the pulley, the ends of the strap leading off the pulley and in substantially the same direction, tensioning



means for said strap facilitating release of the strap to permit easy turning of the warp beam in either direction by hand and the easy removal of the strap from and application of the strap to the pulley.

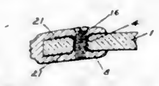
1,580,271. PILE STRUCTURE AND METHOD OF FORMING SAME. JOSEPH WRIGHT, San Francisco, Calif. Filed Dec. 26, 1923. Serial No. 682,613. 3 Claims. (Cl. 61—53.)



1. A method of forming a composite pile for marine work, having a lower wooden portion and an upper concrete portion, which consists in connecting a suitable form to the upper end of the wooden pile, filling said form with plastic concrete, and thereafter driving the pile by impact upon the upper end of the form, whereby the concrete, due to the blows of the driver, is compacted and rendered impervious to the action of salt water, and the wooden portion of the pile is forced below the water level.

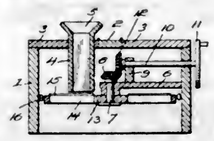
1,580,272. LENS ATTACHMENT. WILLIAM J. WRIGHTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 29, 1922. Serial No. 578,303. 4 Claims. (Cl. 88—42.)

1. The process of mounting a lens, consisting in forming an aperture through the lens, chamfering the faces of the lens adjacent the aperture, inserting a plastic plug within the aperture, inserting the plugged lens within a strap having fastener receiving apertures, piercing the plug through the apertures to insure proper alinement of the fastener receiving apertures of the plug



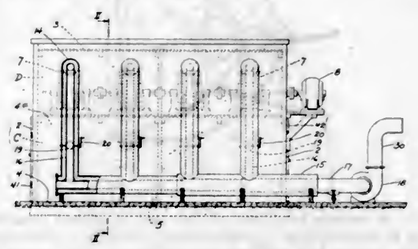
and strap, and tightening a fastener in the aligned apertures whereby the material of the plug while still plastic is compressed and caused to spread in a thin film between the lens and strap.

1,580,273. VEGETABLE CUTTER. ANTON ZVORIAS, New York, N. Y. Filed Feb. 11, 1925. Serial No. 8,418. 1 Claim. (Cl. 146—124.)



A vegetable cutter including, in combination, a casing, a cutting mechanism in the casing, a cover hinged to the casing, and a guide extending through the cover and fixed thereto so as to lead to the cutting mechanism and closely approach thereto when the cover is in closed position, said guide being swingable out of the casing to an out of the way position when the cover is opened.

1,580,274. FRUIT DRIER. GEORGE R. ANDERSON, Santa Rosa, Calif. Filed Aug. 3, 1925. Serial No. 47,705. 6 Claims. (Cl. 34—39.)

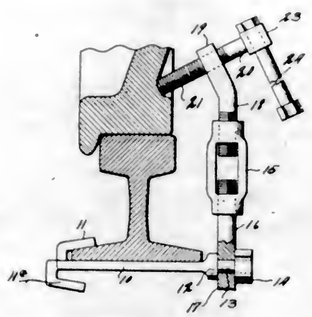


2. A drier of the character described comprising a housing having a compartment formed therein, air heating means in the compartment, means for maintaining a constant circulation and flow of air through the compartment and the heating means, concentric air inlet and exhaust pipes connected with the compartment, whereby the air is exhausted and fresh air is admitted and heated by the exhaust air, suction means connected with the exhaust pipe to withdraw air from the compartment by suction, and a damper in the exhaust pipe controlling the volume of air exhausted and the volume of air which is preheated and admitted to the compartment.

1,580,275. CLAMPING DEVICE FOR CAR WHEELS. JOSEPH W. ASHENFELTER, Alberton, Mont. Filed Apr. 9, 1925. Serial No. 21,910. 5 Claims. (Cl. 188—45.)

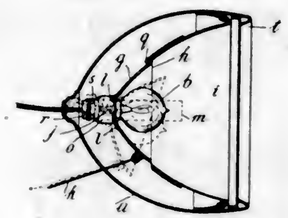
2. A railway car wheel clamp of the character described comprising a flat bar adapted to be disposed beneath a railway rail and having a hooked end engageable over the flange of the rail, a link having pivotal

engagement with the bar at one end and at its other end having an angularly disposed interiorly screw-threaded eye, and a wheel-engaging clamping screw passing through



said eye and having means whereby it may be rotated, the link being formed of a plurality of interconnected screw-threaded members whereby the link may be expanded or contracted.

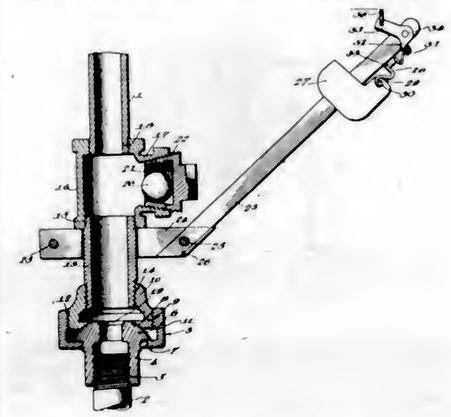
1,580,276. HEADLIGHTS OF VEHICLES. JULES AYER, London, England. Filed Oct. 25, 1923. Serial No. 670,735. 2 Claims. (Cl. 240—41.)



1. A vehicle headlight of the kind described comprising in combination a divided reflector having a stationary front portion and movable rear portion, a pivot mount on which said rear portion tilts downwardly, said pivot mount being located at the back of said movable rear portion of the reflector and remote from the forward portion thereof, mechanical means for downwardly tilting the rear portion of the reflector to cast the rays downwards and shield the upper surface of the stationary reflector portion from the source of light, means for returning the movable rear portion of the reflector to normal position, and a stop to arrest and definitely position the rear reflector part for normal functioning of the lamp.

1,580,277. FLUID-CUT-OFF MECHANISM. CHARLES TYLER BARD, Norwich, Conn. Filed June 25, 1925. Serial No. 39,578. 25 Claims. (Cl. 137—162.)

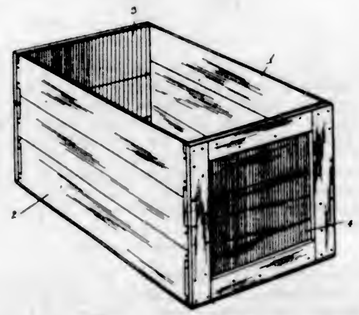
3. A fluid cut-off mechanism comprising a tubular conduit having a valve seat, a valve adapted to cooperate with said seat to close said conduit, means for releasably holding said valve away from its seat and for permitting movement of said valve to position on its seat when said valve holding means has been actuated, means associated with said conduit and operable to strike said conduit and thereby to jar said valve from said valve supporting means to position on said valve seat, means for releasably holding said striker means away from said conduit, said means for holding the striker means including a fusible element.



1,580,278. METHOD OF MAKING SHANK STIFFENERS. REINHARD E. BARTELS, Lynn, Mass. Filed June 30, 1922. Serial No. 571,859. 6 Claims. (Cl. 29—148.)

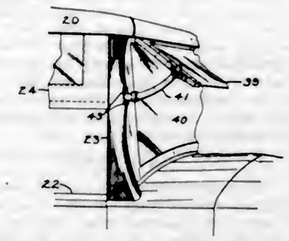
1. The method of forming a shank stiffener, which comprises forming a pair of flat blanks of stiff material, molding one of said blanks to a lateral curvature, interlocking said blanks face to face, and then molding the interlocked blanks to the desired longitudinal curvature.

1,580,279. REENFORCED BOX. DELCIE D. BEAN, East Jaffrey, N. H. Filed July 1, 1921. Serial No. 481,936. 2 Claims. (Cl. 217—65.)



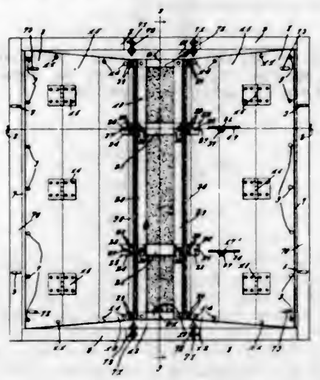
2. A box having sides and ends, each side and end being made up of a plurality of parallel boards laid side by side of a single thickness rectangular, large tongues and recesses formed in the ends of said sides and ends, the tongues of the ends extending into the recesses of the sides and overlapping the joints between the boards of the sides, and the tongues of the sides extending into the recesses of the ends and overlapping the joints of the boards of the ends, nails driven into the outside of the tongues of the sides and ends to alternately lock the tongues into the recesses at right angles to each other and lock the parallel boards of the sides and ends on top of each other, the boards on each side or end being held together by the nails driven through the tongues on an adjacent end or side, each tongue being fastened to the adjacent member at the corner by one or more nails driven transversely thru the tongue and longitudinally into the adjacent member, the nails at each corner extending thru one set of tongues transversely to the nails extending thru the other set of tongues, cleats on the ends of the box overlapping the end and the exposed tongues and having nails driven thru the cleats and tongues and into the sides.

1,580,280. TOP CONSTRUCTION. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich., a Corporation of New Jersey. Filed Nov. 4, 1924. Serial No. 747,847. 10 Claims. (Cl. 296—143.)



1. In combination with an automobile top having a vertical movable side enclosure, of a top support formed of sheet metal into a substantially trough-shaped section for receiving and guiding the adjacent edge of said enclosure, the free edges of said support entirely forming said trough-shaped section and being concealed by the outer walls of said support.

1,580,281. MOLD FOR CONCRETE STRINGERS. DAVID W. BOWE, Detroit, Mich. Filed July 7, 1923. Serial No. 650,076. 2 Claims. (Cl. 25—118.)

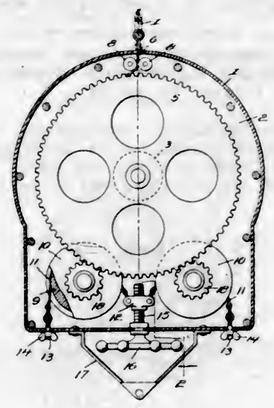


1. In a device of the class described, a mold including a base; a body comprising sides and ends supported on the base; a frame extended between the ends and located between the sides; means for securing the frame releasably to the sides; pairs of crossed members engaged at their lower ends with the sides and cooperating at their upper ends with the frame, to brace the mold; ties connecting the crossed members of the pairs adjacent to their lower ends; and securing devices forming a releasable connection between the ties and the frame.

1,580,282. MULTIFOCAL LENS. ANDREW V. BROWN, Philadelphia, Pa., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 28, 1923. Serial No. 635,193. 1 Claim. (Cl. 88—54.)

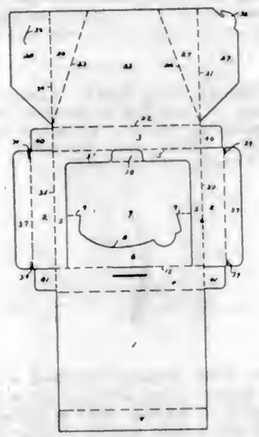
In a device of the character described, a body portion adapted for distant vision having a recess in one face, a second portion of different index of refraction secured in the recess and a third portion of index of refraction different from the segment secured to the first portion and overlying the segment, the vision through the combined third and first portions being adapted for intermediate distance, and vision through the combined three portions in line with the segment being adapted for near distance.

1,580,283. FIRE ESCAPE. GEORGE H. BROWN, Fort Bayard, N. Mex. Filed Mar. 14, 1925. Serial No. 15,552. 2 Claims. (Cl. 254—154.)



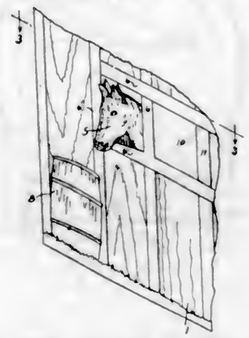
1. A fire escape of the class described comprising, in combination, a casing, a rotor mounted for rotation in the casing, said rotor embodying a gear, a pair of oppositely disposed brake drums mounted for rotation in the casing beneath said rotor, said brake drums being provided with pinions in mesh with said gear, a belt wound upon said rotor and adapted to have its free end connected with a relatively stationary part of a supporting structure, brake bands adjustably connected at one end with said casing, and variable means under the control of the user for regulating the tension of the brake bands simultaneously upon said brake drums during the period of descent.

1,580,284. ADVERTISING DISPLAY CONTAINER. WALTER C. CARLSON, Milwaukee, Wis. Filed May 3, 1923. Serial No. 636,328. 1 Claim. (Cl. 206—44.)



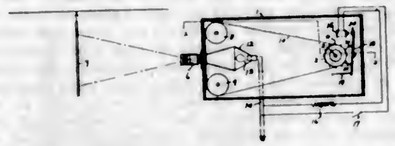
In a box having a top provided with side walls integrally connected therewith and a bottom integrally connected with one of said side walls, a base for supporting said box in an inclined position and foldable underneath the bottom, said base comprising a portion integrally connected with the other of said side walls and having substantially parallel crease lines extending outwardly from corresponding ends of the last mentioned wall, and inwardly converging crease lines each extending from a point on one of said first mentioned crease lines adjacent the last mentioned wall, flaps upon opposite sides of said portion integrally connected therewith and having means for interlocking said flaps.

1,580,285. KNOCKDOWN CARTON. WALTER C. CARLSON, Milwaukee, Wis. Filed Dec. 31, 1923. Serial No. 683,637. 1 Claim. (Cl. 46—37.)



In a device of the character described, the combination with a wall structure adapted to be assembled in the form of a building and provided pictorially with the representation of a window frame, of an animal's head formed integrally with said wall and having its outline partially severed therefrom, said head terminating at one margin of said window frame and the severed outline thereof extending from said margin in major portion within the area enclosed by said frame and in minor part extending across the line of said frame, whereby, when said head is pressed outwardly it will simulate the appearance of an animal looking through said window.

1,580,286. STATION INDICATOR. LOUISE L. CLOUD, Houston, Tex. Filed June 10, 1924. Serial No. 719,100. 2 Claims. (Cl. 88—28.)

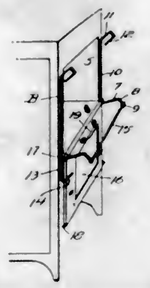


1. A station indicator including a housing; a spring motor in the housing and consisting of a drum, a shaft on which the drum is mounted, and a coil spring attached at one end to the drum, and at its other end to the shaft; a rack and dog arrangement confining said shaft to a one way rotation; a steropticon lens arranged at one end of the housing; a screen in front of said lens; a pair of film supporting drums; a film movable over all of said drum and behind said lens, said film having marginal perforations; studs carried by the motor drum and working through said perforations to drive the film; a light reflector arranged behind said lens and film, said reflector being tapered and extended forwardly and in alignment with the lens; an electric light in said reflector; an electric circuit into which the light is connected; an escapement mechanism arranged to control the operation of said motor; an electric magnet arranged to control the operation of said escapement mechanism; an electric circuit into which said magnet is connected, and a circuit making and breaking switch in said last named circuit.

1,580,287. GLASS SUBSTITUTE. JULES JOSEPH COLLE and ACHILLES COLLE, Summit, N. J., assignors to Cello Products Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,500. 6 Claims. (Cl. 91—68.)

5. An article of manufacture comprising a reticular metallic base covered with a flexible transparent film adapted to wet the strands of said base and follow the expansion and contraction thereof, the thickness of said film being such as to only slightly incase the top portions of the strands of said base, and the body portion of said film being substantially disposed in horizontal planes below the top of said strands.

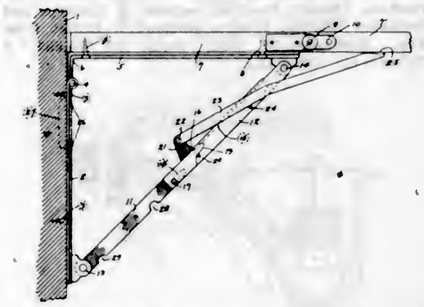
1,580,288. SANITARY OVEN DOOR. NELSON CORBETT, Sedro Woolley, Wash. Filed July 21, 1925. Serial No. 45,046. 2 Claims. (Cl. 126—190.)



1. In combination, a stove provided with an opening, a door associated with the opening, brackets associated with the stove and provided with upper and lower hook

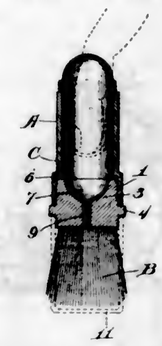
portions, and intermediately disposed arms, and a bar attached to the ends of said arms, said door being provided with projections engageable with said hook portions.

1,580,289. FOLDING-TABLE BRACE. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Oct. 13, 1925. Serial No. 62,231. 2 Claims. (Cl. 45—51.)



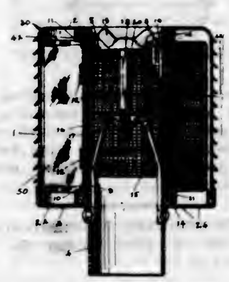
1. In a bracket of the character described, a shelf supporting arm hinged at one end to a support, an angularly disposed bracing strut for said arm pivoted at one end thereto and at the other end to the support, said strut being divided intermediate its ends and pivoted together forming upper and lower sections, means for locking said sections against pivotal movement, and an auxiliary bracing arm pivoted at one end to the lower section of said strut and extending angularly upward and forward of said supporting arm for bracing the shelf beyond the same, said auxiliary bracing arm being supported against downward pressure by the upper section of said strut.

1,580,290. FOUNTAIN SHAVING BRUSH. LOUIS DAVIS, East Nashville, Tenn. Filed July 24, 1924. Serial No. 728,002. 1 Claim. (Cl. 15—136.)



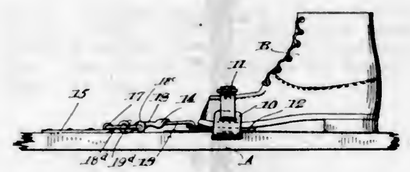
A device of the class described comprising, a tubular member open at both ends, said member adjacent to one end being provided with an internal shoulder, a brush head mounted in the tubular member outwardly of the internal shoulder, the inner face of the brush head being provided with a cavity, a tube of yieldable material snugly fitting within the tubular member, one end portion of the tube being open, said open end portion being provided with an outstanding flange for contact with the internal shoulder of the tubular member, the head serving to clamp the flange of said yieldable tube against said shoulder, the brush head being provided with a discharge port leading therethrough from the cavity, the yieldable tube being of a length to have its opposite closed end portion extending beyond the outer end of the tubular member, the outer portion of the bore of the tubular member being of a diameter to permit the insertion therein through said outer end a digit of a hand to collapse the tube in a direction lengthwise thereof and lengthwise of the tubular member, said tubular member holding the tube against lateral expansion when pressure is imposed upon the outer end of the tube, said tube being of the same diameter from its open end to its closed end.

1,580,291. FILTER. LEWIS L. DOLLINGER, Rochester, N. Y. Filed Feb. 21, 1925. Serial No. 10,963. 4 Claims. (Cl. 183—71.)



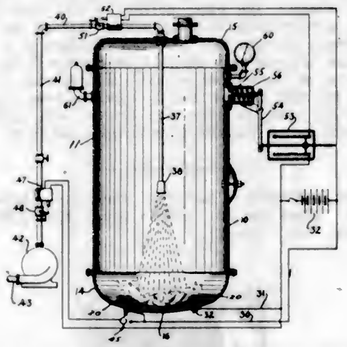
1. In an air filter, the combination of a shell, a filtering unit mounted within said shell, means for centering said filtering unit at the top and bottom of said shell, and means for drawing said filtering unit against said centering means mounted centrally of said shell and passing thru said filtering unit, a felt washer carried on the ends of said filtering unit and felt washer provided on the inside of said shell surrounding said centering means to form a dust proof joint between the inside of said filtering unit and the inside of said shell.

1,580,292. SKI FITTING. GEORGE WASHINGTON EASDALE and FRANK WILFRED BEDARD, Ottawa, Ontario, Canada. Filed Mar. 20, 1924. Serial No. 700,612. Renewed Dec. 30, 1925. 3 Claims. (Cl. 208—184.)



1. A ski-fitting of the character described, comprising engaging means on the ski boot, a plate rigidly secured to the ski and formed with a loop at one end, a yoke member adapted to pivotally engage with said loop, a lever pivotally connected to the yoke member and a strip pivotally mounted on the lever member and adapted to detachably engage with the engaging means on the boot whereby on said lever being moved to a vertical position and beyond, the boot engaging plate is moved outwardly and whereby on said lever being moved downwardly to a horizontal position, the boot engaging plate is tensioned.

1,580,293. ELECTRICALLY-OPERATED STEAM BOILER. LOUIS A. FITZER, Los Angeles, Calif. Filed Feb. 9, 1925. Serial No. 7,935. 9 Claims. (Cl. 219—39.)



1. In a boiler, a closed shell, a heating element in said shell, said heating element comprising electrically heated means, said means being secured to said shell and insulated therefrom, means to bring water into said shell to cause evaporation thereof and means to take steam from said shell.

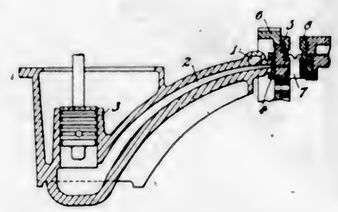
1,580,294. FLUE CLEANER. IRENE GAWLEY, Houston, Tex. Filed Dec. 5, 1924. Serial No. 754,020. 1 Claim. (Cl. 15—7.)

In a flue cleaner a tubular nipple, a tubular brush support rotatably connected to and in axial alignment with said nipple, a brush on said support, a spider in the nipple, spiders in said support having central bearings and arms forming inclined vanes, a shaft supported by the nipple spider and extended through the bearings of the spiders in said brush support.

1,580,295. ADJUSTABLE RESILIENT NONSKID CRUTCH. JOHN B. GLOWACKI, Chicago, Ill. Filed Mar. 12, 1923. Serial No. 624,315. 6 Claims. (Cl. 135—53.)

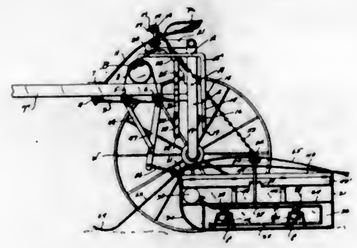
1. A metal tube, a threaded shaft within said tube, collars on said shaft of substantially the same diameter as the interior of the tube, a groove on the periphery of each collar, and a depression in the wall of the tube at each collar whereby the material of the wall extends into the grooves and the collars are held in place, a second tube, a nut in said second tube, a groove in the periphery of said nut, and a depression in the wall of said second tube whereby the material of said wall extends into said tube and said nut is held in place, the threads on said shaft co-operating with said nut to cause the tubes to telescope when one is rotated relative to the other.

1,580,296. TYPOGRAPHICAL LINE-CASTING MACHINE. BENJAMIN JOSEPH JOHN GOULDING, Altrincham, Chester, England, assignor to Linotype and Machinery Limited, London, England, a British Company. Filed Apr. 21, 1922. Serial No. 555,833. 3 Claims. (Cl. 199—47.)



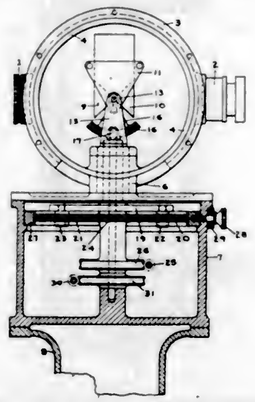
1. In a typographical line-casting machine, the combination of an air-vented mold, a pump for injecting molten metal into the mold, and a metal-delivery throat having a passage leading from the pump to the mold, the said throat being formed with an air chamber in open communication only with the passage through the throat, whereby the air compressed within said chamber during the pumping operation will exert pressure upon the rapidly solidifying metal within the mold when the pump pressure is relieved.

1,580,297. INSECT-EXTERMINATING APPARATUS. ROBERT E. HAMMOCK, Dunklin County, Mo., assignor of one-half to B. Frank Highfill, Hornersville, Mo. Filed Apr. 19, 1924. Serial No. 707,686. 6 Claims. (Cl. 43—144.)



5. An insect exterminating apparatus comprising a portable body, a pan adapted to traverse the surface upon which the portable body rides, means for hitching the pan to the body, incinerating means within the pan, pneumatic plant agitating means carried by the body, said pneumatic agitating means being adapted to direct a stream of air in a downward direction toward said pan, and a cross member pivotally connected to said portable body, said cross member extending throughout the operating width of said exterminating apparatus and providing additional plant agitating means.

1,580,298. DISTANT CONTROL OF TELESCOPES OR CAMERAS. JAMES BLACKLOCK HENDERSON, Lee, England. Filed July 26, 1919. Serial No. 313,534. 15 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



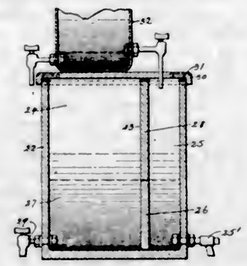
1. In an optical instrument, a telescopic sight member, reflecting prisms, a support therefor, said member and support being mounted for independent movement about a common axis, and operating means subject to remote control operable to move said prism support about said axis independently of said member.

1,580,299. PROCESS FOR BRIQUETTING WOOD PARTICLES AND PRODUCT THEREOF. HALL H. HOLDAWAY, Los Angeles, Calif., assignor to Leroy F. Pike and A. B. Flickinger, both of Reno, Nev. Filed Jan. 21, 1925. Serial No. 3,796. 19 Claims. (Cl. 4—10.)

1. The method of briquetting comminuted wood material which consists of drying the material preheating the material and then while so heated rapidly compressing the material into a briquet to substantially one sixth of its free volume.

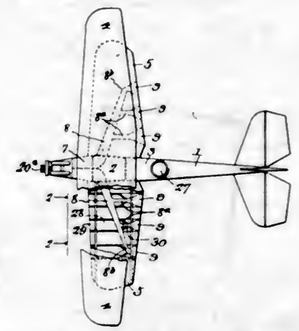
17. The process set forth in claim 6 wherein during the process the material particles are exposed to the action of a gas composed of substantially one part carbolic acid, three parts formaldehyde, forty-eight parts alcohol and sixty-four parts of water.

1,580,300. COMBINED COOLER AND FILTER. JAMES E. HOWORTH, Venice, Calif. Filed July 13, 1925. Serial No. 43,244. 9 Claims. (Cl. 62—154.)



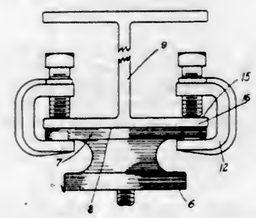
1. A porous liquid-cooling vessel having a filtering partition therein dividing said vessel into two chambers and having the lower part thereof impervious to liquids to form a settling basin in one of said chambers.

1,580,301. AIRPLANE POWDER-DUSTING APPARATUS. ELMER JOHNSON, Washington, D. C., dedicated to the Government and the People of the United States. Filed Feb. 4, 1926. Serial No. 86,084. 1 Claim. (Cl. 244—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



In an airplane, a dusting hopper having an exit opening therein, means for causing the agitation of the granular material contained in said hopper, means located at the upper part of the hopper for passing currents of air therethrough, means under said hopper for conveying a blast of air to scatter the material passing from said hopper, said means under the hopper being in line with the airplane propeller, pipe means communicating with the aforesaid means under the hopper for conveying said granular material and the air mixed therewith in lateral directions toward the extremities of the lower wing structures of the airplane, means adjacent the hopper and at the rear thereof for supplying a supplemental blast to the aforesaid pipe means, said pipe means carried within the lower wing structures, a plurality of pipes within the lower wing structures communicating at designated points with said pipe means so as to permit of the passage therethrough of said granular material and the air mixed therewith, a plurality of Venturi shaped tubes located in the lower wing structures, corresponding to the number of and communicating, at the throats of said Venturi shaped tubes with the aforesaid plurality of pipes said Venturi shaped tubes having mouths for the entrance of air, a throat and flared exit openings at the rear of the lower wings for the discharge, into the atmosphere, of the granular material and air emerging from the throats of the Venturi shaped tubes.

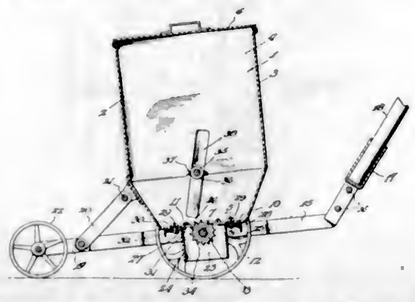
1,580,302. HANGER MOUNTING. LYNN JOHNSTON, Cincinnati, Ohio, assignor to The Electric Railway Equipment Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 15, 1924. Serial No. 686,420. 1 Claim. (Cl. 248—32.)



A hanger and mounting means therefor adapted for attachment to I-beams of various flange widths comprising a hanger flange having openings at its opposite ends, and a pair of C-clamps adapted to extend about the opposite edges of an I-beam flange and each having a

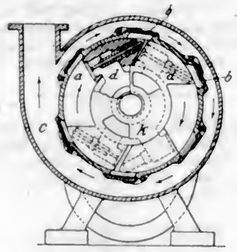
lug for entry into the openings of the hanger flange, the hanger flange capable of assuming a position at any angle to the width of the I-beam flange limited by the distance between the lugs on the C-clamps when received by the hanger flange and I-beam flange.

1,580,303. MARKER. THOMAS W. JONES, Excelsior Springs, Mo. Filed Nov. 19, 1924. Serial No. 750,942. 3 Claims. (Cl. 221—130.)



1. In a marking machine, a frame, a shaft rotatably journaled in the frame, means for rotating the shaft, a hopper supported above the frame, a discharge spout leading from the bottom of the hopper, and having forwardly and rearwardly disposed flanges at its upper end, the said shaft extending across the upper portion of the said spout and the bottom of the hopper having an opening communicating with the upper end of the spout, a feed roll fixed upon the shaft within the said upper portion of the spout and the opening in the bottom of the hopper, and valve plates adjustably mounted upon the flanges at the upper ends of the spout and between the upper end of the spout and the bottom of the hopper in front and in rear of the said feed roll and adjustable toward and from the said roll.

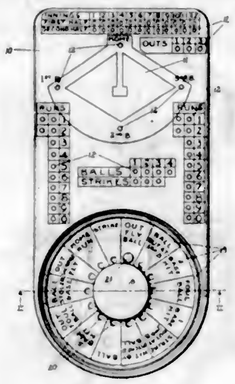
1,580,304. ROTARY PUMP AND MOTOR. PAUL KLEINHANS, Landsberg-on-the-Warthe, Germany. Filed Sept. 4, 1924. Serial No. 735,935. 7 Claims. (Cl. 103—129.)



1. A rotary pump, comprising in combination a stationary annular cylinder, pistons capable of rotating in the said annular cylinder, rotatable discs for supporting the said pistons, hollow spaces in the said pistons and discs for the passage of the liquid to be sucked by the pump and means for causing the pistons alternately to rotate and remain stationary as set forth.

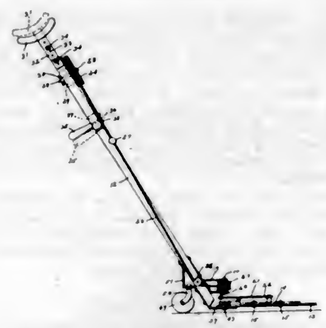
1,580,305. GAME. JOHN G. KOEGLE, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 26, 1920. Serial No. 369,031. 4 Claims. (Cl. 273—93.)

1. In combination, a support, a roulette wheel rotatably mounted upon said support, said support having a wall adjacent the edge of the wheel cut away for a distance corresponding to an arc of approximately ninety degrees, whereby the operator's finger may be placed at one end of said cut-away portion against the side edge of the



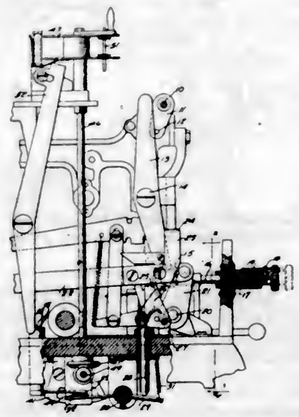
wheel and moved with a snapping action to the other end of said cut-away portion, thus causing rapid rotation of said wheel.

1,580,306. LAWN TRIMMER. WILLIAM T. LA CROSS and FRED W. BARBER, Springfield, Vt. Filed Mar. 14, 1925. Serial No. 15,424. 3 Claims. (Cl. 56—243.)



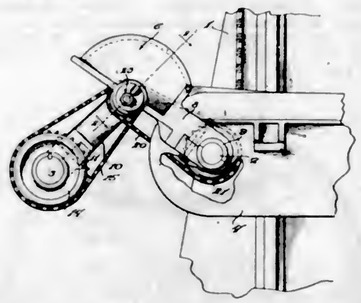
1. A lawn mower comprising an inclined push-bar, a supporting wheel connected with the lower end of the push-bar and projecting rearwardly therefrom, a forwardly projecting carrying arm fixed to the lower end of the push-bar and supported above the ground by the wheel, forwardly projecting bearings on the push-bar above the carrying-arm, a cutting element composed of a fixed cutter and a movable cutter, the fixed cutter having a shank at its inner end, a clamping bolt pivotally connecting the shank with the carrying arm, arranged to permit horizontal adjustment of the cutting element, means being provided for positively securing the element to the carrying arm in different positions relative thereto, and mechanism for reciprocating the movable cutter including a crank-shaft journalled in said bearings on the push-bar, a pitman connecting the crank of said shaft with the movable cutter, and manually operable means carried by the push-bar for rotating the crank shaft, the bolt and the crank shaft being in alinement with each other, so that the said mechanism is operative when the cutting element is in any position to which it may be adjusted.

1,580,307. RIBBON-FEED MECHANISM. WILLIAM W. LASKER, Brooklyn, N. Y., assignor to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1923. Serial No. 681,335. 5 Claims. (Cl. 197—151.)



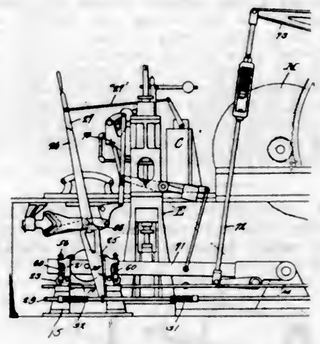
1. A tabulating machine having printing mechanism for tabulating and taking totals and having printing control mechanism whereby the machine may be set either to tabulate each item and print the totals, or to print the totals only, in combination with mechanism for advancing the type ribbon, and cut-out mechanism operatively connected with said printing control mechanism and with the mechanism for advancing the type ribbon, so that the ribbon will be advanced only when the printing mechanism is in operative position.

1,580,308. DRIVE FOR ROVING FRAMES. DAVID C. LAWSON, Knoxville, Tenn., assignor of one-half to Lawrence D. Tyson, one-eighth to S. W. Duggan, and one-eighth to M. A. Story, all of Knoxville, Tenn. Filed Jan. 15, 1924. Serial No. 686,419. 1 Claim. (Cl. 308—62.)



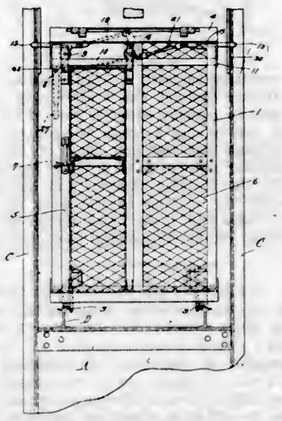
The combination, in a jointed frame drive, of a main drive shaft, a driven shaft, a hood having side members and arms extending therefrom and swingingly connected with the driven shaft, an arm swingingly connected with the main drive shaft, means supporting the driven shaft for up and down movement with relation to the main drive shaft, the hood having cylindrical openings in its opposite walls, bearing members having cylindrical portions rotatably adjustably fitted in the openings, the said bearing members having openings in their said cylindrical portions located eccentrically to their axes, said bearing members being each provided with a circumferential flange at its inner end bearing against the inner side of the wall of the hood in which its cylindrical portion is fitted, the outer ends of the said cylindrical portions of the bearings being flush with the outer surfaces of the respective walls, a shaft mounted at its ends in the openings in the bearings, a double sprocket freely rotatably mounted upon the shaft between the flanged ends of the bearing members, means upon the ends of the shaft engaging the outer sides of the walls of the hood and the outer ends of the cylindrical portions of the bearing members to prevent longitudinal displacement of the said bearing members, the said shaft, and the double sprocket, the said arm being pivotally connected with the shaft, sprocket gears upon the main drive shaft and driven shaft, and sprocket chains trained about the gears upon the said main drive shaft and driven shaft and about the double sprocket.

1,580,309. HOIST MECHANISM. DANIEL F. LEPLEY, Connellsville, Pa. Filed Oct. 22, 1921. Serial No. 509,650. 6 Claims. (Cl. 192—138.)



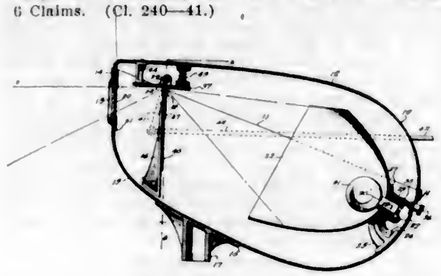
6. In hoist mechanism a controlling lever, yieldable stop devices at opposite sides of the lever, and means for actuating either of the stop devices to shift the lever to its neutral position.

1,580,310. REMOVABLE ELEVATOR CAGE. DANIEL F. LEPLEY, Connellsville, Pa. Filed Sept. 17, 1924. Serial No. 738,306. 12 Claims. (Cl. 187—97.)



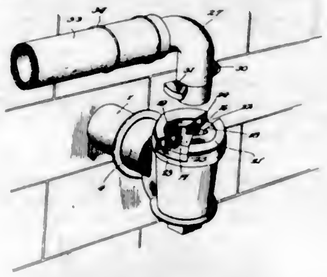
9. A man cage for skip hoists including a wheel supported structure, a door therefor, locking elements movably connected to opposed portions of the cage, and means within the cage for simultaneously actuating said elements to move them into or out of locking positions.

1,580,311. HEADLIGHT. JOHN M. B. LEWIS, Lynchburg, Va. Filed July 24, 1923. Serial No. 653,512. 6 Claims. (Cl. 240—41.)



1. A device of the character described comprising a casing having a light opening therein, an elliptical reflector mounted in said casing, said reflector and the conjugate focus thereof being arranged on opposite sides of a horizontal plane passing through said light opening, a light source mounted in said reflector, and a second reflector arranged between said elliptical reflector and said light opening, said second named reflector being arranged with its reflecting surface near the focal point of light rays from said elliptical reflector and wholly outside the vertical limits of said light opening.

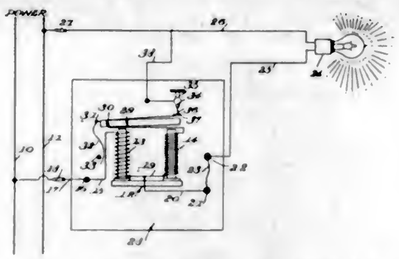
1,580,312. COMBINED PLUG VALVE AND HOSE CONNECTION. JAMES F. LONG, San Antonio, Tex. Filed Apr. 6, 1925. Serial No. 21,020. 4 Claims. (Cl. 284—14.)



1. The combination with a casing having a port and an inner arcuate channel, and a valve plug in the casing having a port to register with the port of the casing and chambered, and having a notch forming an opening extending through the end and sides of the plug, of a coupling member adapted to be fitted to the plug and connected with the chamber thereof, and having a lateral lug to enter the opening of the plug and projecting beyond the outer side thereof and engage the channel of the casing and retain the parts in operative position.

1,580,313. ELECTRICAL SIGNALING DEVICE. MOTIER WILLIAMS MCINTIRE, Wilmington, N. C. Filed July 18, 1923. Serial No. 652,389. 1 Claim. (Cl. 177—311.)

An apparatus of the character described, comprising a source of current supply, an electro-magnet having two windings or coils, one coil having a greater ohmic resistance than the other, a circuit connected to said source of supply and having interposed therein the low resistance coil and a current absorbing device, a fuse interposed in the circuit between the low resistance coil and said current absorbing device, said low resistance coil being adapted to pass sufficient current to blow said fuse and also to hold the vibrator against the core of the electro-magnet, and a vibrator circuit including the coil

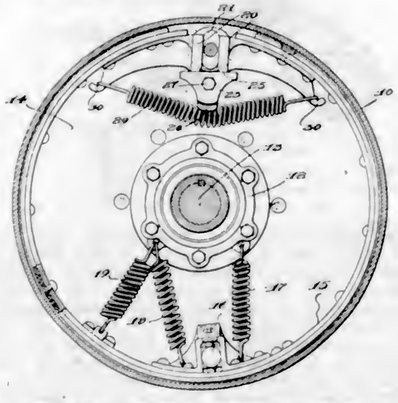


of greatest resistance, adapted to be established upon the vibrator being released from the core of said electro-magnet.

1,580,314. REFLECTOR FOR HEADLIGHTS. FREDERICK F. MACLEAN, Syracuse, N. Y., assignor to Belva S. MacLean, Syracuse, N. Y. Filed June 12, 1923. Serial No. 644,889. 6 Claims. (Cl. 240—41.)

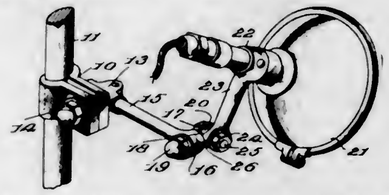
1. A concave reflector for headlights, comprising upper and lower unlike halves, the upper half being arranged with its axis horizontal and having its lower edge extending downwardly in a plane at an incline to the horizontal plane of the focal axis of the upper half, the lower half being arranged with its axis inclined downwardly and intersecting the horizontal axis of the upper half within the reflector, and having its upper edge arranged in a plane coincident with and containing the axis of such lower half, such upper edge of the lower half joining the inclined lower edge of the upper half, in combination with a source of light arranged substantially at such intersection of the axes whereby the projections of the halves are thrown one upon the other.

1,580,315. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 1, 1922. Serial No. 572,188. 5 Claims. (Cl. 188—78.)



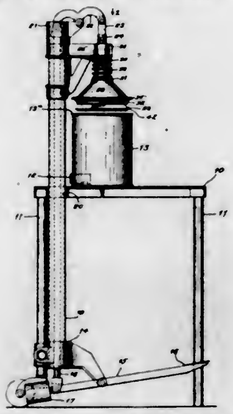
1. In a brake mechanism, the combination with a brake drum and a brake band having adjacent ends, means between the ends of the band for operating them, a retracting spring for the band, and a stop to limit the inward radial movement of the band ends and forming a seat for said spring.

1,580,316. SPOTLIGHT. HENRY H. MORETON, Santa Monica, Calif., assignor to National Spot Light Company, a Corporation of California. Filed Mar. 25, 1921. Serial No. 455,616. 4 Claims. (Cl. 240—61.)



1. A spot light support of the character described comprising a horizontally disposed axially rotatable carrier member, a lamp support having one end pivoted to the carrier member on an axis positioned approximately in line with the axis of the carrier member and at right angles thereto, whereby the pivot axis of said arm may assume horizontal or vertical positions or any intermediate angular position therebetween, lamp supporting means on the free end of said support, and means limiting vertical pivotal movement of the lamp support on the carrier member and support above a predetermined angular position when the lamp is directed forwardly.

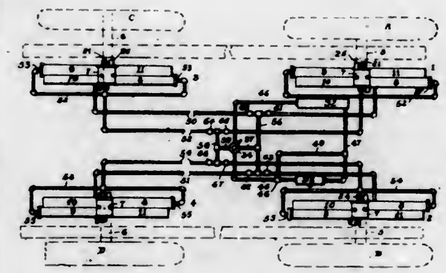
1,580,317. CAN-CLOSURE MACHINE. CHARLES NEUBERT, Jr., Baltimore, Md. Filed Feb. 9, 1924. Serial No. 691,729. 5 Claims. (Cl. 113—18.)



1. In a machine for securing closures in cans, the combination with a casing provided with a portion adapted to fit within said closure, of a collar slidably mounted in said casing and fingers movable mounted on said collar adapted to move outwardly to form projections on said closure during the sliding movement of said collar.

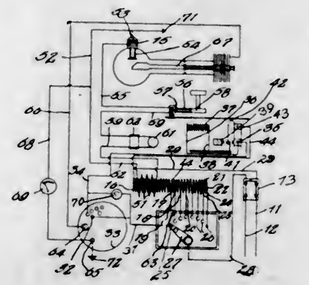
1,580,318. FLUID-OPERATED JACK. ANTON F. NORDENSKJOLD, Pittsburgh, Pa., assignor to United Foundry & Machine Company, McDonald, Pa. Filed Sept. 2, 1924. Serial No. 735,278. 4 Claims. (Cl. 254—86.)

2. In a device of the character described, a fluid operated elevating mechanism comprising a pair of horizontally disposed cylinders extending in opposite direction relatively to each other, a guide member rectangular in transverse cross section associated with each of said cylinders and longitudinally aligned therewith, the lower wall of each of said side members formed with a longitudinally extending slot disposed adjacent to the inner side wall of said slot, a plunger slidably mounted in each of said cylinders, a guide block slidably mounted in each



of said guide members, plunger rods connecting said plungers with associated guide blocks, a toggle bar pivotally connected to each of said guide blocks and extending through slots, and a foot pivotally carried at the lower end of said toggle bars, substantially as described and for the purpose set forth.

1,580,319. TIMING DEVICE FOR DENTAL X-RAY MACHINES. HOWARD H. OSBORN, Chicago, Ill., assignor to H. G. Fischer & Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1920. Serial No. 366,857. 4 Claims. (Cl. 250—34.)

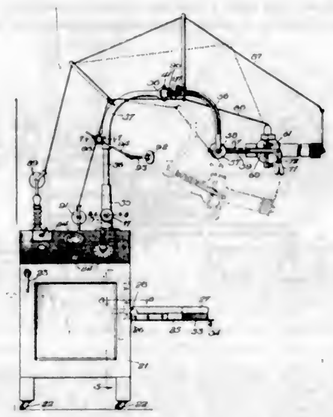


1. In a time control for X-ray apparatus, the combination of a primary charging circuit, a time switch in said circuit, electrical resistance, and mechanical mechanism operated by said switch for positively including said resistance in said circuit during a short period immediately following completion of the circuit through the movement of the time switch.

1,580,320. HIGH-POTENTIAL APPARATUS. HOWARD H. OSBORN, Chicago, Ill., assignor to H. G. Fischer & Co., Chicago, Ill., a Corporation of Illinois. Filed May 29, 1920. Serial No. 385,355. 10 Claims. (Cl. 250—34.)

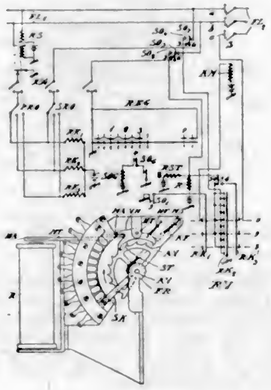
1. In an X-ray apparatus, the combination of a cabinet for containing high potential current producing means, a seat secured to said cabinet, a tube support mounted on said cabinet and carrying an adjustable head rest, said head rest being adjustable relative to said seat, and said tube support being adjustable relative to said head rest.

7. In an X-ray dental apparatus, the combination of a cabinet, a curved arm extending up and out therefrom, a yoke pivoted in said arm for universal movement and



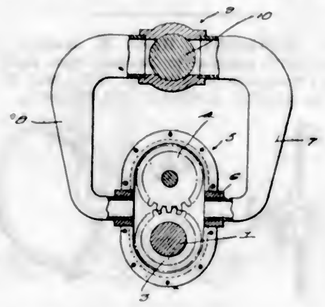
arrangeable with the ends of the yoke on the side of the head of the patient, and a tube carrier pivoted in said yoke.

1,580,321. AUTOMATIC AND SEMIAUTOMATIC TELEPHONE EXCHANGE. NILS GUNNAR PALMGREN, Stockholm, Sweden, assignor to Allmänna Telefonaktiebolaget L. M. Ericsson, Dobelnsgatan, Stockholm, Sweden. Filed Dec. 22, 1923. Serial No. 682,184. 8 Claims. (Cl. 179—18.)



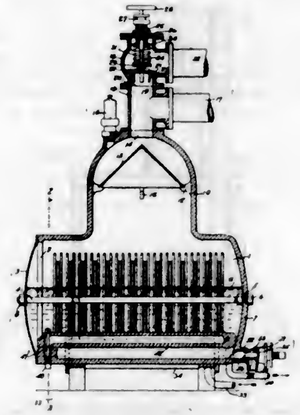
1. In a telephone exchange system the combination with a selector and a registering and controlling device, of a selector circuit, means associated with the registering and controlling device for sending impulses over said circuit for the setting of the selector, a register circuit, means associated with the selector for sending back impulses over said register circuit for the setting of the registering and controlling device, said circuits being arranged to control one another mutually so as to cause the impulses to be sent alternately over the selector circuit and the register circuit respectively, and means associated with the registering and controlling device for stopping the selector in a predetermined position.

1,580,322. FLUID BRAKE. CHARLES R. PARKER, Kankakee, Ill. Filed Nov. 17, 1924. Serial No. 750,291. 2 Claims. (Cl. 188—92.)



1. A fluid brake comprising a gear casing, a shaft extending through said casing and having a gear fixed thereto, an idler gear journaled for rotation to said casing and in mesh with the first-named gear, a pair of oppositely disposed fluid conducting branches connected with said casing, said branches tapering so as to be smaller adjacent the casing, a coupling conecting the opposite ends of the branches together, and a slide valve carried by said coupling and adapted for simultaneously controlling the passage of fluid through said branches.

1,580,323. EVAPORATOR. JOHN ANDERSON PAUL, Brooklyn, N. Y. Filed Apr. 29, 1921. Serial No. 465,362. 2 Claims. (Cl. 203—5.)

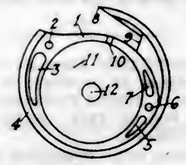


1. An evaporator comprising a cylindrical drum having an open end, a cylindrical curved spring metal cover adapted to close said end, and means for holding said cover in place, the edges only of said cover adapted to yield when the pressure within the evaporator exceeds a predetermined amount to prevent the destruction of the evaporator.

1,580,324. SEWING MACHINE. BLASE PAVLICH, New Orleans, La. Filed Sept. 19, 1925. Serial No. 57,327. 3 Claims. (Cl. 112—251.)

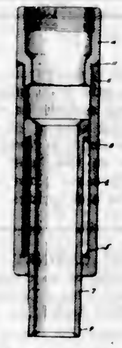
1. In combination, a looper comprising a covered bobbin case having an opening therein, a bobbin having

a shaft journaled in said case, said shaft being accessible from the outside of the case through said opening, and



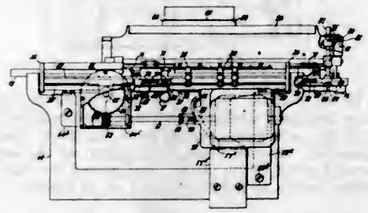
a winding tool, said shaft having means adapted to be engaged by said tool whereby the bobbin may be rotated while enclosed by said case.

1,580,325. EXPANSION JOINT. LEROY H. PERRY, Gardena, Calif., assignor to Spengler Fishing Tool Company, Los Angeles, Calif., a Corporation of California. Filed May 5, 1925. Serial No. 28,182. 4 Claims. (Cl. 285—162.)



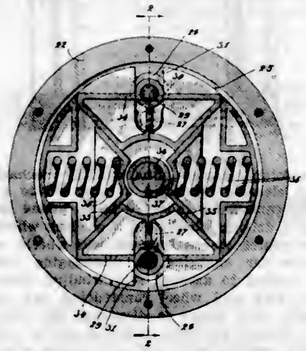
1. An expansion joint comprising; a tubular casing having an internally flanged extremity; and a longitudinally slidable tubular member having a flanged head within the casing, and its other end projecting from said extremity; the opposed faces of said flanges being undercut at the same angle to adapt them for mutual engagement to resist peripheral stretching of said extremity when said joint is subjected to tension.

1,580,326. TYPEWRITING MACHINE. HENRY L. PITMAN, Westfield, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 27, 1923. Serial No. 621,520. 20 Claims. (Cl. 197—176.)



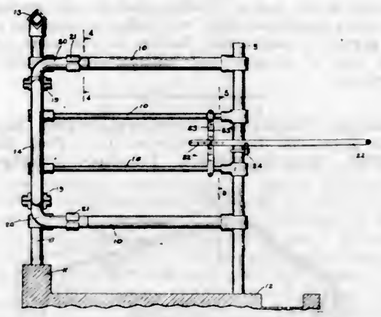
1. In a typewriting machine, the combination of a power-driven carriage, carriage-feed elements including a rack and a pinion, tabulating-carriage-releasing means to separate the rack and the pinion and release the carriage for a free movement to a column-stop position, and means secured to the rack engageable with the tabulating-carriage-releasing means whereby the carriage will be automatically released and arrested within a predetermined zone during the normal operation of typing.

1,580,327. SHOCK ABSORBER FOR AUTOMOBILES AND THE LIKE. GEORGE RAMSEY, Brooklyn, N. Y., assignor to Self-Feeding Vaporizer Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1919. Serial No. 339,669. 10 Claims. (Cl. 64—96.)



1. As an article of manufacture, a friction torsional shock absorber for automobiles and the like comprising a casing, a frame rotatably mounted within the said casing, friction blocks radially movable within said frame, certain of said friction blocks being spring pressed, and means connecting said casing with certain of said friction blocks in such manner as to slide said blocks one upon another when said frame is displaced by angular movement relative to said casing.

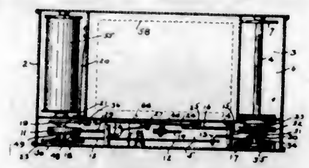
1,580,328. STALL FOR CATTLE AND THE LIKE. ROBERT F. RASMUSSEN, Oshkosh, Wis., assignor, by mesne assignments, to Hudson Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Aug. 20, 1921. Serial No. 493,912. 7 Claims. (Cl. 119—27.)



2. A stall of the class described comprising means arranged to form the sides of the stall, means at the forward end of the stall to prevent forward travel of the animal therethrough, and a U-shaped normally horizontally positioned member pivotally connected to the sides of the stall adjacent the rear end thereof, said member being adjustable in both horizontal and vertical planes for the purpose described.

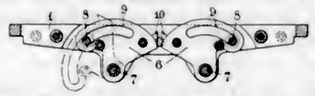
6. A stall of the class described comprising means arranged to form the sides of the stall, a pair of relatively short U-shaped members positioned adjacent the front of the stall, and so arranged that the legs, thereof extend toward the respective sides of the stall, and means for mounting said U-shaped members whereby they may be adjusted vertically and laterally with respect to the sides of the stall.

1,580,329. AUTOMATIC CAMERA. JOSEPH MARTIN RESCH, San Francisco, Calif., assignor to William W. Hotchkiss, Santa Cruz, Calif. Filed Mar. 9, 1922. Serial No. 542,225. 27 Claims. (Cl. 95—32.)



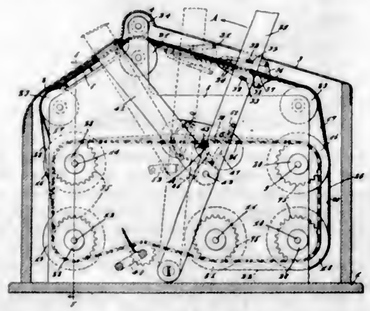
1. In a folding camera, film winding mechanism comprising an element connected at one end to a movable part of the camera and adapted to be wound on a winding wheel, a driving wheel, and a winding wheel in axial alignment, clutch means between said wheels, cam actuated means for engaging or disengaging said clutch means, a spring to actuate said winding wheel, a trip associated with said wheel constructed and adapted to actuate said cam means to disengage the clutch means when the element has been unwound and to collapse out of engaging position with said cam means when the element is being wound on said winding wheel.

1,580,330. FURNACE GRATE. KOLOMAN REZSNY, Budapest, Hungary. Filed July 9, 1925. Serial No. 42,558. 5 Claims. (Cl. 126—162.)



1. A furnace grate for fire boxes or flues of locomotive boilers comprising in combination with a stationary part a portion capable of being tilted, the centre of gravity of which is eccentric with respect to its axis of rotation and the weight of which is so distributed with respect to the axis of rotation that for the opening operation a small movement will suffice to cause the centre of gravity to shift from the one to the other side of the axis of rotation and automatically complete the opening.

1,580,331. INSURANCE-VENDING MACHINE. EPHRAIM S. RICHARDS, Lake Providence, La. Filed May 5, 1923. Serial No. 636,906. 2 Claims. (Cl. 194—73.)



1. In a device of the class described, a support, feed and take-up reels journaled in the support, a flexible element connecting the reels, a lever fulcrumed on the support, a dog carried by the lever and normally disengaged from the flexible element, means for operating the dog, a chute so located as to direct a coin against said means and retain the coin, thereby to engage the dog with the flexible element, and means for displacing the coin from the chute after the lever has been swung through a predetermined arc.

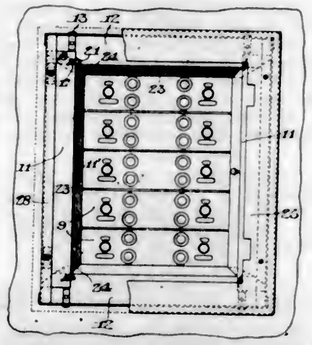
1,580,332. INSECTICIDE. GEORGE C. RICHARDS, Berkeley, Calif., assignor of one-eighth to Charles J. Graff and one-eighth to Edward Childress, both of Oakland, Calif. Filed Sept. 2, 1924. Serial No. 735,482. 3 Claims. (Cl. 167—6.)

1. An insecticide paint comprising a composition of pine tar, a thinner for the tar, sulphur and carbolic acid.

1,580,333. RANGE. ARTHUR A. ROESCH, Belleville, Ill., assignor to Roesch Enamel Range Company, Belleville, Ill., a Corporation of Illinois. Filed Apr. 20, 1925. Serial No. 24,567. 1 Claim. (Cl. 126—191.)

In combination with a door frame, a door, door stops formed integral with said door, pintles formed integral with said door stops; springs enveloping said pintles, one end of each spring secured to said frame and the other secured to said door, a cover plate of U section having studs formed on the inner side of the bottom of the U section, said cover plate secured to said door frame over said pintles and springs.

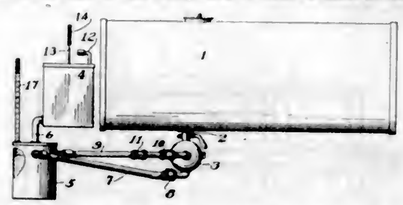
1,580,334. ELECTRIC CABINET. GEORGE F. ROHN, Milwaukee, Wis., assignor to George F. Rohn Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 30, 1922. Serial No. 532,799. 8 Claims. (Cl. 247—10.)



3. In an electric cabinet having communicating side gutters forming a wiring compartment, the combination of a cover for each gutter, means including hooks connected to oppositely disposed covers for supporting the sectional covering formed by the covers, and means for connecting the other covers to the first named set of covers.

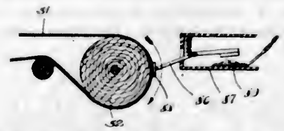
1,580,335. RESERVE TANK. IWAJIRO SATAKE, Seattle, Wash. Filed June 11, 1925. Serial No. 36,495. 2 Claims. (Cl. 158—46.5.)

1. A main fuel tank having a sediment bulb, a fuel receptacle arranged beyond the main tank, a pipe connection between said receptacle and the sediment bulb above the bottom of the latter, a valve in said pipe opening toward the receptacle, an engine service pipe leading from the first mentioned pipe between the valve and receptacle, a second pipe leading from the bottom of the sediment bulb to the receptacle, a reserve tank arranged



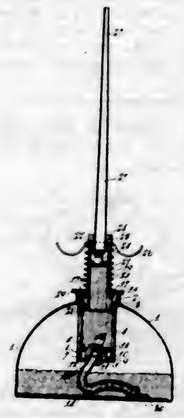
above and in open communication with the receptacle, an air relief valve for the reserve tank, and means for controlling the admission of air to the reserve tank at will.

1,580,336. GARMENT-PRESSING APPARATUS. EDWARD J. SCHREMP, Rochester, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Filed Apr. 19, 1924. Serial No. 707,783. 4 Claims. (Cl. 68—9.)



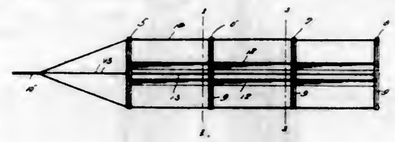
2. In a pressing apparatus, the combination of a pressing machine, comprising coacting pressing elements, one of which is movable toward and from the other, means for actuating the movable pressing element, a conveyor belt movable over the face of the other element, motor means for actuating the belt, means controlled by the belt for determining the amount of movement of the belt by the motor means, comprising shoulders on the belt at intervals, and a movable control member arranged in the path of the shoulders and arranged to be actuated thereby.

1,580,337. OIL CAN. JOSEPH SCHUTTEN, Los Angeles, Calif. Filed Nov. 26, 1924. Serial No. 752,384. 3 Claims. (Cl. 221—50.)



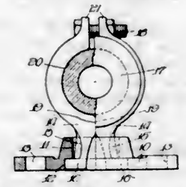
1. In a device of the class described, the combination with a liquid reservoir body having a threaded mouth, a cylinder having a threaded end screwed into said mouth, a plunger operating in said cylinder, a spring for extending the plunger, a spout carried by the plunger, a back check valve mounted within the plunger, said cylinder having a bearing web adjacent its lower end and a cap with a bearing web mounted on the lower end of the cylinder and spaced from said cylinder bearing web, a ball journalled in said cylinder and cap bearing webs, said ball having a bore to receive a ball valve and spring, and a goose neck pipe threaded into said bore and adapted to have its end closed by said ball valve.

1,580,338. ANCHOR RIPRAP. SHIRLEY SCOTT, Wakenda, Mo. Filed Dec. 3, 1923. Serial No. 678,252. 1 Claim. (Cl. 61—3.)



A rip rap anchor structure including in combination, a plurality of pairs of bars, the bars of each pair being arranged in cruciform relation and secured to each other at points of intersection, spacing boards secured at intervals to the bars of each pair and disposed one at each side of the points of the connection between the bars, screens disposed on the pairs of bars, and cables trained through the end portions of the bars and bridging the spaces between the pairs of bars and having end portions extending beyond one of the terminal pairs of bars and both together to form an anchor line for the structure.

1,580,339. INSULATOR SUPPORT. EDSON O. SESSIONS, Chicago, Ill., assignor to Albert C. Bell, trustee, Chicago, Ill. Filed June 13, 1919. Serial No. 304,023. 3 Claims. (Cl. 173—321.)

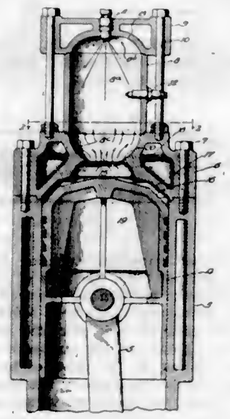


3. In an insulator support, the combination of a metallic base having a circular opening therein, said opening having at its inner portion a co-axial circular recess, two metallic clamping members each extending at one end into said opening and having at its end a toe projecting laterally to enter said recess, each of said members having a boss adjacent said base extending towards the axis of said opening and formed outside of said boss to hold an insulator, and devices for forcibly moving the outer ends of said members together to hold an insulator between said members, said bosses being in firm engagement with each other and said toes firmly engaging the surface of said recess before said members are forced towards each other to their insulator supporting position.

1,580,340. INTERNAL-COMBUSTION ENGINE. FRANK W. SEVERIN, Wilmette, Ill., assignor to Venn-Severin Machine Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,293. 5 Claims. (Cl. 123—32.)

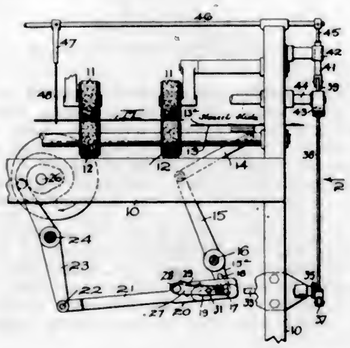
1. In an oil engine, the combination of a working cylinder, a piston slidable therein, a combustion-chamber connected to the outer end of and coaxial with the cylinder, an injector connected to spray oil into the com-

bustion chamber, an annular substantially knife-edge constriction with a central opening between the cylinder and the chamber, and an annular recess in the cylinder contiguous to said edge, said recess being disposed between the area traversed by the piston and the constriction, said recess and constriction being adapted to form a direction-destroying passage for the compressed



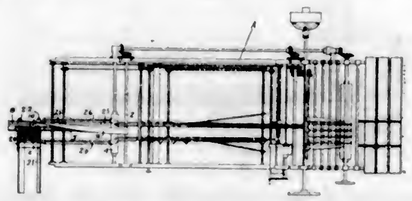
fluid from the cylinder to the combustion chamber to prevent jetting or definite directional flow of the fluid from the cylinder, the combustion chamber having sufficient cubic area to permit the fluid from the cylinder to disperse uniformly throughout the width of the combustion chamber and to prevent baffling which will condense the oil.

1,580,341. STOP MOTION FOR ADDRESSING MACHINES. EDWIN R. SMITH, Fitchburg, Mass., assignor to Auto-Mailing Machinery Company, a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 578,184. 4 Claims. (Cl. 101—47.)



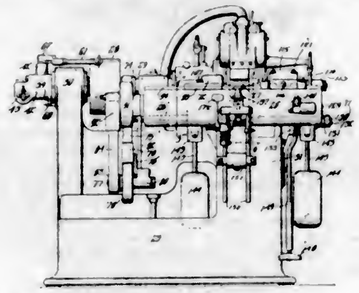
1. In a magazine addressing machine, in combination, a stencil feeding mechanism, a disabling device for said mechanism, regularly actuating means to move said disabling device to operative or inoperative positions, and magazine controlled mechanism effective to prevent movement of said disabling device to operative position by the movement of said regularly actuated means when a magazine is presented in an addressing position in said machine.

1,580,342. MACHINE FOR STACKING PAPER CARTONS. EDWIN G. STAUDE, Minneapolis, Minn. Filed Nov. 26, 1921. Serial No. 518,043. 9 Claims. (Cl. 271—87.)



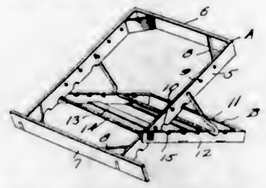
1. In a machine of the class described, a stacking receptacle in combination with means arranged to receive folded articles and deliver them to said receptacle on one edge in the direction of movement of said delivering means at an angle to their initial movement in said delivering means.

1,580,343. GRINDING MACHINE. ULRICH STEINER, Lima, Ohio, assignor to Landis Tool Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1920. Serial No. 428,951. 53 Claims. (Cl. 51—103.)



1. In a grinding machine, an abrading device, a worktable pivoted to move the work toward and from the abrading device, a bracket adjustable along the table, a headstock carried by the bracket, a shaft on the headstock carrying a work center, a gear splined to the shaft for movement along the same, a pulley adjacent to the center of oscillation of the table connected to drive said gear, and means for driving pulley, substantially as set forth.

1,580,344. EASEL. HARRY E. STILLIANS, Lankershim, Calif. Filed Oct. 8, 1924. Serial No. 742,470. 3 Claims. (Cl. 45—129.)

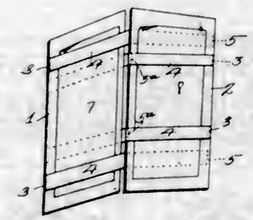


1. An easel of the class described including a pair of frames pivoted together, a U-shaped bail brace having its ends terminating in inwardly extending projections, one of said frames provided with a plurality of apertures for engaging the projections, and the other frame provided with a series of notches for receiving the intermediate portion of the brace.

1,580,345. PICKER STICK FOR LOOMS. CHARLES WILLIAM STOSSEL, Front Royal, Va. Filed Aug. 7, 1925. Serial No. 48,856. 4 Claims. (Cl. 139—157.)

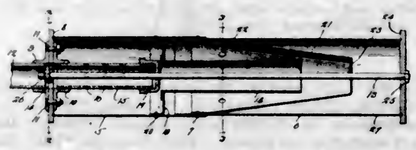
1. A picker stick comprising a holder and a bar removably mounted in the holder, said bar being provided with a notch, the holder having a pin adapted to be received by the notch in the bar, and means for retaining and cushioning the lower end of the bar in the holder, ears projecting from the holder, and means carried by the ears for preventing too great a movement of the bar adjacent the pin.

1,580,346. BILL FOLD. ROBERT L. SUTTER, Omaha, Nebr. Filed Oct. 10, 1925. Serial No. 61,707. 2 Claims. (Cl. 150—38.)



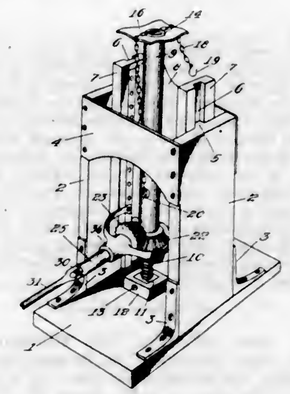
1. A bill fold comprising adjacent sections, straps secured to one of the sections adjacent its outer edge, said straps extending transversely of said section and under the other section and secured adjacent the outer edge of the other section.

1,580,347. MUFFLER. HENRY W. TAGTMEYER, Garrett, Ind. Filed Aug. 26, 1925. Serial No. 52,657. 1 Claim. (Cl. 137—160.)



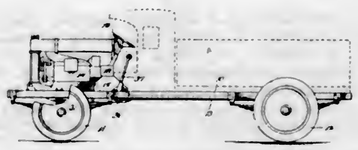
A muffler comprising a cylindrical supporting section, a supporting member secured within the supporting section and arranged intermediate the ends thereof, said supporting member having a central opening, a tubular member having a flanged extremity positioned within the supporting member, a removable tubular member having openings arranged in the wall thereof, the last mentioned tubular member having a threaded rearward extremity, a cap removably supported on the rearward extremity of the last mentioned tubular member, and arranged adjacent to the first mentioned tubular member to restrict the passage of exhaust thereto, a cylindrical member secured to the rearward end of the supporting section, a cone-shaped member within the last mentioned cylindrical member, the first mentioned tubular member having its rearward end disposed within the cone-shaped member, heads on the ends of the muffler, one of the heads having exhaust openings, and a bolt extending through the muffler and connected with the heads for holding the muffler together.

1,580,348. SCREW JACK. WALTER THATCHER, Chicago, Ill. Filed Aug. 28, 1925. Serial No. 53,111. 4 Claims. (Cl. 254—103.)



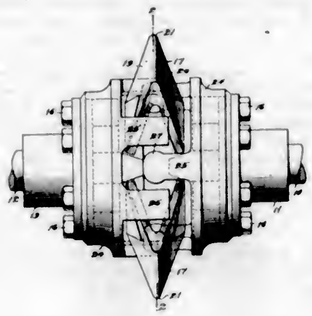
1. In a jack, a base, uprights carried thereby, a stationary shaft upon said base, slides operatively engaging said uprights, a riser encompassing said shaft, connection between said slides and shaft, a head carried by said rise and manually operable means connecting said shaft and riser for actuating the latter.

1,580,349. REPLACEMENT TRANSMISSION HOUSING AND SHAFT FOR TRACTORS. ALEXANDER F. TOPPINS, Milwaukee, Wis., assignor of one-tenth to Clifton Williams, Milwaukee Wis. Filed May 29, 1923. Serial No. 642,296. 7 Claims. (Cl. 180—70.)



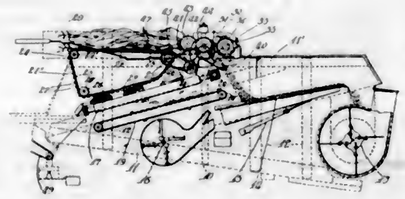
3. In a motor vehicle, the combination with a chassis having a propeller shaft, of a power unit mounted upon the chassis and including a transmission having a driven gear provided with a hub, a replacement housing secured to the power unit mounting said transmission and journaling the hub of said gear therethrough, and a replacement shaft engaged in said hub and connecting the transmission with said propeller shaft.

1,580,350. DRIVING COUPLING FOR UNIVERSAL JOINTS. INGLIS M. UPPERCU, Deal, N. J. Filed Oct. 21, 1921. Serial No. 509,222. 14 Claims. (Cl. 64—96.)



1. In an elastic coupling, the combination of a driven and driving element mounted for rotary movement, a flexible connection therebetween including a laminated spring plate structure with the plates thereof having their greatest cross-section extending substantially in the direction of rotation of one of the members whereby said device is characterized by freedom in relative angular movement of the members and by rigidity of relative torsional movement, and means for limiting the permissible relative circumferential movement of the members and thus limiting the distorting effect of torsional forces transmitted through the spring plate structure while permitting freedom of relative movement between the members in all other directions.

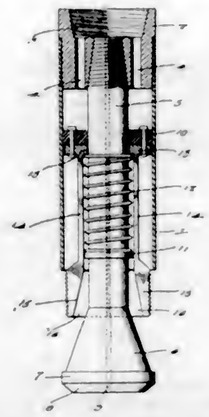
1,580,351. CORN HUSKING AND SHREDDING MACHINE. JOHN VAN NORTWICK, Batavia, Ill., assignor to Appleton Manufacturing Company, a Corporation of Illinois. Filed Dec. 4, 1924. Serial No. 753,760. 8 Claims. (Cl. 130—5.)



1. A corn husking and shredding machine, comprising a frame, a plurality of snapping and feeding rolls mounted thereon, a plurality of husking rolls mounted on said frame adjacent said snapping and feeding rolls, and a single operative element mounted on said frame for conveying stalks of corn to said snapping and feeding rolls and for pressing the ears of corn against said husking rolls.

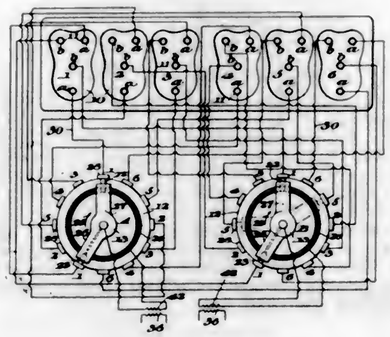
1,580,352. WELL-FISHING TOOL. ERCOLE VENTRESCA, Houston, Tex. Filed July 6, 1925. Serial No. 41,649. 2 Claims. (Cl. 294—96.)

2. A well fishing tool comprising a cylinder, a stationary stem arranged centrally in said cylinder and extending through and beyond one end of the same, a conical spreader on the extended end of the stem, a piston slidable in the cylinder and surrounding said stem, resilient arms connected to said piston and depending through said cylinder, gripping members on the lower



end of said arms, said members being cooperable with and expanded by said spreader, and spring means for holding the piston in a predetermined position.

1,580,353. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 12, 1921. Serial No. 451,851. 2 Claims. (Cl. 123—148.)

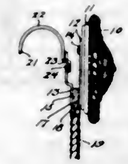


1. Ignition mechanism adapted to supply a plurality of sparks to each cylinder of a multicylinder engine, comprising a plurality of distributors each having two series of contacts, a make-and-break device for each distributor and a single shaft adapted to support and drive all said distributors and devices.

1,580,354. ATTACHING DEVICE FOR PICTURE AND MIRROR CORDS. ROBERT E. WALLISER, Chicago, Ill., assignor to H. F. Walliser Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1924. Serial No. 751,035. 4 Claims. (Cl. 40—145.1.)

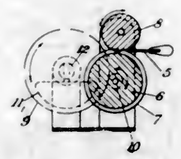
1. An attaching device for picture and mirror cords including two parts, one of said parts being operative to directly support a suspension cord and having a hole therein, the other of said parts including a moulding-

engaging hook and a tongue, with a portion connecting the tongue with the hook, said tongue being adapted to be projected through said hole and being of such width as to overlap opposite walls of the hole at the back of



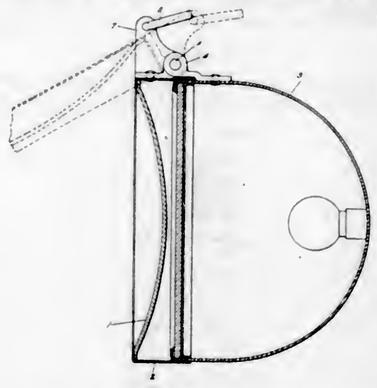
said first part with said connecting portion in said hole, whereby said parts will be interlocked against accidental separation.

1,580,355. ROTARY STROPPING OR GRINDING DEVICE. JAMES ALEX DENBY WATT, London, England. Filed May 3, 1922. Serial No. 558,121. 2 Claims. (Cl. 51—80.)



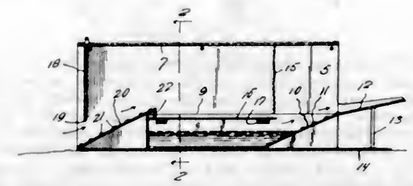
1. A rotary sharpening device, comprising a hard roller formed with a helically wound sharpening surface, a complementary resiliently surfaced soft roller in engagement with the hard roller, said soft roller having a smooth, unbroken, solid surface, means for pressing the rollers in engagement with each other whereby their peripheries intersect, and means for positively driving the hard roller.

1,580,356. HEADLIGHT FOR AUTOMOBILES. CLAUDE E. WEATHERWAX, Portland, Oreg. Filed June 20, 1925. Serial No. 38,402. 1 Claim. (Cl. 240—45.6.)



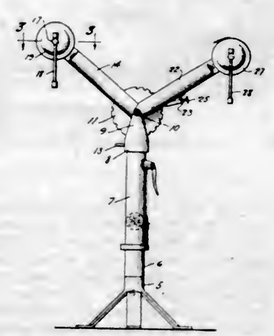
In a device of the character described, an automobile, a head light having lens, a ring encircling the lens of the head light, a hinge connecting the ring and the head light at the top of said head light, a convex mirror inclosed in said ring, said mirror being reflecting on the convex side, and turning the deflecting side toward the head light, a lug extending upwardly from the hinge on the ring, and means to swing the convex mirror up and down in front of the head light, whereby the upper part of the rays of the head light are reflected to a diffused light illuminating the road in front of the automobile and also the front part of the automobile itself.

1,580,357. AUTOMATIC POULTRY DIPPER. WILLIAM H. WIKE, Sycamore, Ill. Filed Apr. 14, 1925. Serial No. 23,010. 1 Claim. (Cl. 119—156.)



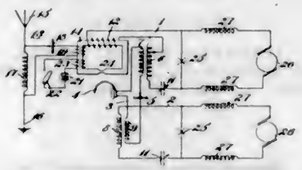
In a dipping apparatus of the class described, a casing comprising a bottom, sides, and a top so as to form an entrance at one end and an exit at the other end, a receptacle mounted in the casing on the bottom thereof and intermediate the ends thereof, an inclined platform leading upwardly from the bottom of the entrance of the casing over the front wall of the receptacle, a pair of tiltable platforms, one hinged to each side wall of the receptacle, springs mounted on the rear end of the first platform and attached to the tiltable platform to hold said platform normally in raised positions, said receptacle provided with an inclined rear wall merging into a drain platform continuing on a slant with said rear wall and outwardly through the exit, and a screen in the receptacle immediately above the rear portion of the receptacle and at a distance inwardly from the exit.

1,580,358. FENDER VISE. ASA WRIGHT, Long Beach, Calif. Filed Mar. 26, 1924. Serial No. 701,975. 5 Claims. (Cl. 29—89.)



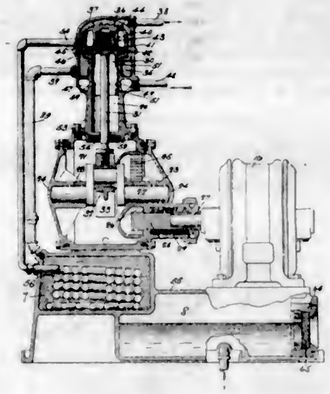
1. In a device of the character described, the combination of a base; and a clamp carriage mounted on said base for angular adjustment thereon, said carriage comprising a fixed arm having a clamp at the free end, and a movable arm having a clamp at the free end connected by a pivot pin to said fixed arm adjacent the pivotal connection of said carriage and base, whereby said arms may be angularly moved on said base and adjustably spaced with respect to one another, each of said clamps comprising a pair of jaw disks, one of the jaws being mounted so as to permit a wabbling movement.

1,580,359. RADIO RECEIVING SYSTEM. CHESTER T. ALLCUTT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1920. Serial No. 434,021. 5 Claims. (Cl. 250—8.)



1. In a radio telegraphic receiving device, two circuits tuned to approximately the same frequency, means for maintaining oscillations in each of said circuits, means responsive to the difference of frequency between said circuits for producing signals and means responsive to the received signalling energy for altering the frequency of one of said circuits, said last named means comprising a magnetic core and a device including a rectifier for altering the average amount of flux in said core during the reception of signalling energy.

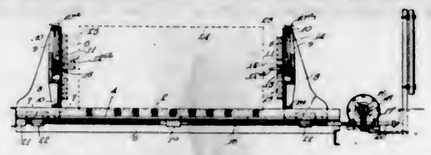
1,580,360. GAS-LIQUEFYING APPARATUS. FRANK W. ANDREWS, Wapakoneta, Ohio, assignor, by mesne assignments, to Superior Refrigeration, Inc., Wapakoneta, Ohio. Original application filed May 14, 1917, Serial No. 168,525. Divided and this application filed May 23, 1922. Serial No. 563,097. 4 Claims. (Cl. 62—115.)



1. In a unitary gas liquefying apparatus, the combination of a hollow base, divided into a condensing chamber and a receiving chamber located at different levels with the condensing chamber at a higher level than the receiving chamber, a compressor pump mounted upon the base and discharging into the condensing chamber, a motor also on said base operatively connected with the compressor pump, a water jacket surrounding the compressor cylinder, and a conduit leading to the water jacket from the condenser chamber in said hollow base whereby the cooling water is circulated in a direction opposite the direction of circulation of the compressed gas.

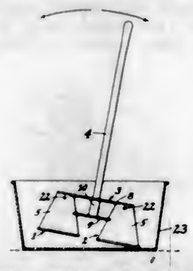
1,580,361. MACHINE FOR APPLYING HEADS TO THE ENDS OF ROLLS. FRANK HENRY ANSON, Iroquois Falls, Ontario, Canada. Filed Dec. 26, 1925. Serial No. 77,892. 14 Claims. (Cl. 216—34.)

1. In a machine for applying heads to the ends of rolls, the combination with a platform presenting an antifriction bed for supporting a roll, of brackets at either end of said platform and between which there is a relative movement, such brackets carrying the heads



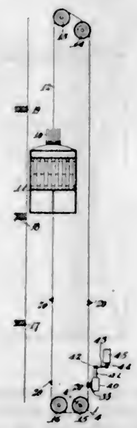
to be applied and means for relative movement of the brackets to press the heads upon the ends of the roll and subsequently release the roll for removal.

1,580,362. CLOTHES WASHER. BURR C. BALDWIN, Hollywood, Calif. Filed Oct. 31, 1923. Serial No. 671,922. 2 Claims. (Cl. 259—143.)



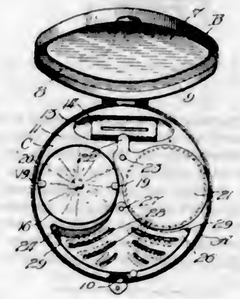
2. The combination, with the hollow tapered washing units, of a pair of parallel bars, one of said bars being secured to and aligning with the upper ends of said tapered units, and the other of said bars having its ends secured to said units approximately midway between their bases and tops, and a bracing sleeve connecting the central portions of said parallel bars.

1,580,363. ELEVATOR. MILTON BARUCH, Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1921. Serial No. 506,869. 20 Claims. (Cl. 187—29.)



5. In an electric elevator, the combination of: a car; an electric motor for actuating said car; a controller connected to operate said motor in a forward or in a reverse direction; an operating handle carried in said car by which an operator can set said controller to operate said motor in either direction; a pair of fingers; a flexible member attached to said car; a series of projections on said flexible member each so constituted and placed as to actuate one of said fingers when the car stops a little above a predetermined point and to actuate the other finger when the car stops a little below a predetermined point; and means by which the actuation of one finger sets the controller in the up position and the actuation of the other finger sets the controller in the down position.

1,580,364. VANITY CASE. GEORGE T. BATES, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed May 4, 1925. Serial No. 27,626. 5 Claims. (Cl. 132—83.)

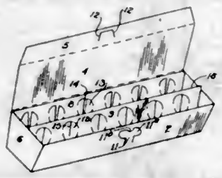


1. A vanity case having a bottom and marginal walls within which is fitted a frame having a top plate whereby to define a compartment suitable for loose material, a pair of pockets depending from the top plate into said compartment each adapted to receive an article, a lid slidably mounted upon the top plate adapted in one position to close one pocket, and to present a portion of itself in overlying relation to the other pocket whereby to confine an article therewithin, and sifter means movable independently of the lid for controlling the discharge of loose material from the compartment, substantially as described.

1,580,365. COMB. WILLIAM S. BECHTOLD, Newark, N. J. Filed May 24, 1924. Serial No. 715,621. 3 Claims. (Cl. 132—21.)

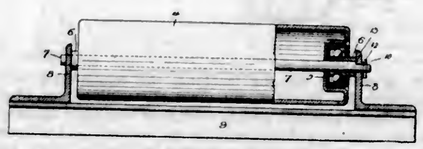
1. In a comb, in combination, a base, a row of undulated teeth carried by the base, a sub-base inwardly attached to the base and a row of teeth carried by the sub-base staggered with respect to the base teeth, a portion of each sub-base tooth being in the plane of the base-teeth and the extremity of the sub-base tooth being in front of the extremities of the base teeth.

1,580,366. PAPER FOLDING CARTON AND THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Nov. 13, 1924. Serial No. 749,797. 2 Claims. (Cl. 229—29.)



1. A paper box comprising a member formed integrally with a side of the box and adapted to be folded within the box to form a plurality of inclined walls therein with open spaces between the walls, the free end of said member being disposed adjacent the opposite side of the box substantially parallel thereto, partially severed portions arranged in each of said walls one opposite another transversely of said spaces and adapted to support a unit of the contents of the box yieldingly therebetween, an intermediate wall on said member being higher than the sides of the box whereby upon closing of the box said higher wall is compressed by another part of the box moved into relation therewith and added pressure is exerted yieldingly on the separately supported units of the contents of the box.

1,580,367. CONVEYER ROLLER. GORDON W. BEULKE, St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Sept. 29, 1924. Serial No. 740,538. 4 Claims. (Cl. 193—37.)

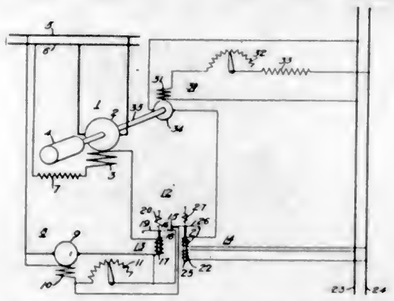


1. The combination with a roller adapted to be journalled between a pair of side rails, of a circular rod extending axially through said roller and arranged to be supported at its ends in said rails, said rod being adapted to be withdrawn longitudinally from said rails without separation of said rails, a noncircular portion on an end of said rod disposed to project through, and fit within, a hole in one of said rails whereby said rod is prevented from turning in said rails, and removable fastening means on the projecting end of said noncircular portion adapted to prevent longitudinal withdrawal of said rod from said rails.

1,580,368. SPEED-REGULATOR SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,546. 7 Claims. (Cl. 171—229.)

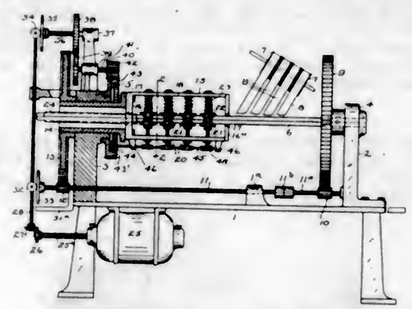
1. In a speed-regulator system, the combination with a rotating member, a generator operated in accordance with the speed of said member and having an armature and a field-magnet winding, and a constant-potential

source connected to said armature and to said field-magnet winding, of means comprising an electromagnet having two energizing coils for controlling the speed of



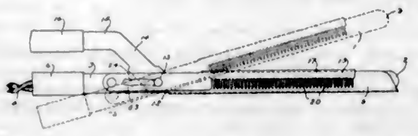
said rotating member, one of said coils being connected directly to said source and the other coil being connected in series with said armature.

1,580,369. TUBE-WINDING MACHINE. GEORGE U. BRAKE and CHARLES HOLLMANN, Fort Wayne, Ind. Filed Oct. 16, 1925. Serial No. 62,757. 5 Claims. (Cl. 93—80.)



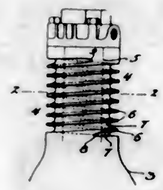
1. In a tube winding machine, the combination of a longitudinally movable and revolubly mounted mandrel, a revoluble support, feeding members revolubly mounted on the support and adjacent to the mandrel and adapted to engage the tube being formed on the mandrel and continuously move it along the mandrel, means to rotate the mandrel and the frame in synchronism and independent means to synchronize the rotation of the feeding members with the mandrel.

1,580,370. COMBINATION ROUND CURLER AND EDGED TRUE MARCEL WAVING IRON. RAYMOND D. DONDANVILLE, GLADYS DONDANVILLE, and VIRGINIA G. HORNBECK, Kansas City, Mo., assignors to Tru-Marcel Manufacturing Company, Kansas City, Mo. Filed Aug. 18, 1924. Serial No. 732,801. 1 Claim. (Cl. 132—37.)



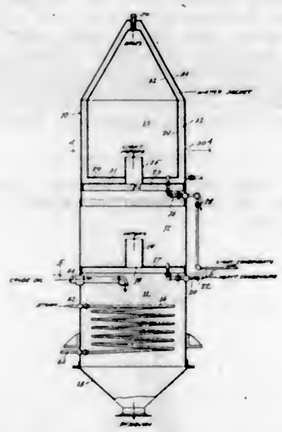
A curling iron comprising a heater tube and a clamp member cooperating therewith there being a channeled member movably associated with the heater tube thereof, the sides of the said member embracing the sides of the clamp of the iron, and the sides of said members being formed with teeth.

1,580,371. COOLING CONSTRUCTION FOR CYLINDERS. ROBERT G. DYSON, Trooper, and HARVEY S. PLUMMER, Fairview Village, Pa., assignors to Franklin Air Compressor Works, Norristown, Pa., a Corporation of Pennsylvania. Filed June 8, 1923. Serial No. 644,283. 3 Claims. (Cl. 257—261.)



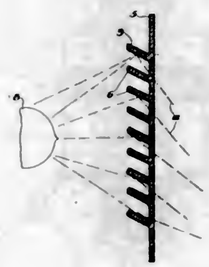
1. A cylinder having in its outer surface a helical cooling groove exposed to the atmosphere, the convolutions of said groove extending in the direction of the height of said cylinder, said groove at its upper end being flush with the outer surface of the cylinder and extending gradually inward until it reaches the greatest depth of said groove, said groove being so formed as to produce a helically projecting rib whose outer surface is in alignment with the outer surface of the cylinder.

1,580,372. APPARATUS FOR DISTILLING HYDROCARBONS. NORTON F. W. HAZELDINE, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,511. 3 Claims. (Cl. 196—102.)



1. In an oil distilling apparatus a tank and a substantially horizontal partition dividing the tank into vertically adjacent chambers, an inner shell within the upper chamber and spaced apart from the walls thereof to provide a jacket for cooling fluid, an opening in the partition, a riser extending upwardly from said opening and projecting through and above the bottom wall of said inner shell, and means for drawing liquid from said shell at a point beneath the outlet opening of the riser.

1,580,373. HEADLIGHT LENS. CHARLES T. HIXSON, Aztec, N. Mex., assignor of one-third to William Utton, Aztec, N. Mex., and one-third to Williard W. Campbell, Albuquerque, N. Mex. Filed June 30, 1924. Serial No. 723,306. 1 Claim. (Cl. 240—48.4.)



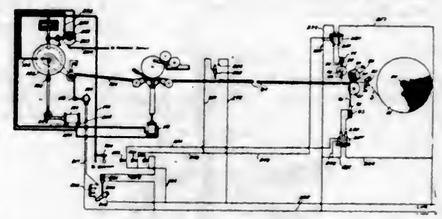
A headlight lens comprising a flat sheet of glass having blades integral therewith and extending across its rear face, said blades being substantially arcuate with a common center above the periphery of the lens and successively increasing in length from the topmost blade downwardly, the ends of said blades being beveled to fit within the rim of a reflector, the lower faces of said blades sloping rearwardly and upwardly all at the same angle, the blades having their upper faces treated so as to render them substantially opaque, the upper inner edge of each blade being approximately on a level with the lower edge of the base of the next higher blade, so that few, if any, direct rays can be emitted, which slant upwardly.

1,580,374. TUBE-WINDING MACHINE. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation, of Delaware. Filed Dec. 15, 1924. Serial No. 755,992. 11 Claims. (Cl. 93—81.)

7. In a tube-winding machine, the combination with a revoluble mandrel provided with suction sheet-holding means, and driving means for the mandrel including a suction-operated clutch thrown in by the attachment of the sheet to the mandrel.

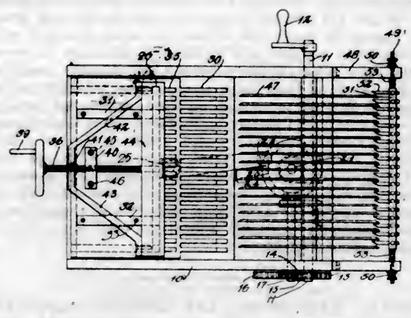
1,580,375. TUBE-WINDING APPARATUS. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation, of Delaware. Filed June 22, 1925. Serial No. 38,765. 16 Claims. (Cl. 93—81.)

6. In a tube-winding machine, the combination with the tube-winding mechanism including a winding mandrel and means for applying adhesive to the material prior to winding, of means for cutting the material to the desired length, and an electric control for said cutting



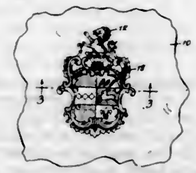
means including switch mechanism actuated by the advancing sheet material to render said cutting means operative.

1,580,376. BREAD-SLICING MACHINE. JAN JAROSZ, Lowell, Mass. Filed Apr. 28, 1925. Serial No. 26,400. 2 Claims. (Cl. 146—98.)



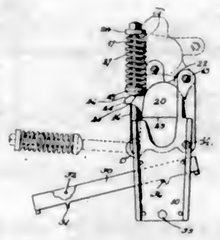
1. In a bread cutter of the class described including a frame and a plurality of rotary knives, a means for sharpening said knives, comprising a shaft, a sleeve on said shaft, means for resiliently and adjustably holding said sleeve on said shaft, and a plurality of knife sharpening tools on said sleeve, one for each of said knives.

1,580,377. PROCESS OF EMBOSSING HAT LININGS OF FABRIC. HARRY F. KEEVER, New York, N. Y. Filed Jan. 14, 1926. Serial No. 81,216. 5 Claims. (Cl. 41—24.)



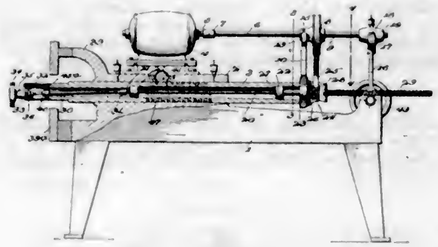
1. In a process of embossing hat linings of fabric, the steps which consists of stamping on the lining a background layer of adhesive material of a selected design, then printing on the background layer a second selected design by using a die, applying a coating of meltable embossing compound on the printed design and subjecting the printed lining to heat for melting the coating of embossing compound.

1,580,378. WRINGER. GEORGE W. LEWIS, Grinnell, Iowa, assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Filed Dec. 20, 1921. Serial No. 523,748. 1 Claim. (Cl. 68—32.)



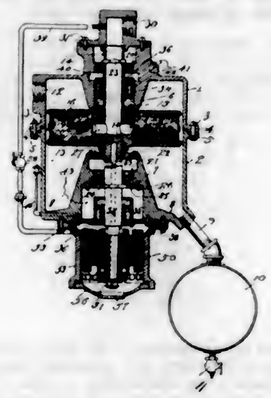
In a wringer, the combination of a lower roll, a frame in which the lower roll is supported, an upper roll, a frame in which the upper roll is supported, said upper roll frame being pivotally connected to the lower one so that when moved on its pivot the upper roll will be separated from the lower roll, a tension device comprising an upright rod pivoted at its lower end to the said lower roll frame, the upper end of said rod being provided with a contracted portion, the upper end of which is screw threaded, a latch device rotatively and slidably mounted on the said contracted portion, a nut for said screw threaded portion, a spring on said contracted portion between said nut and said latch device, said latch device having its under surface rounded, a pair of lugs extending laterally from each end of the frame of the upper roll, said lugs being spaced apart to receive the upwardly extending rod between them in such a manner that the rounded surface of said latch device will engage their upper edges for yieldably supporting the rolls of said frame members together.

1,580,379. REGRINDING AND REBORING MACHINE. JOHN LOCKEN, Comstock, Minn. Filed July 30, 1923. Serial No. 654,711. 3 Claims. (Cl. 51—43.)



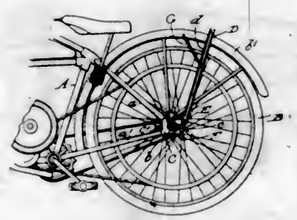
1. In a re-grinding and re-boring machine, a table, a tubular bearing member extending longitudinally of the table, a shaft extending longitudinally of and having bearings in the tubular member, a second shaft removably mounted in the tubular member and removably connected with the first mentioned shaft, driving means mounted on the table, a shaft removably mounted on the table and rotated by the driving means, operative connections between the last mentioned and the first mentioned shafts, a bracket mounted on the inner end of the tubular bearing member, a cap for closing the inner end of said bearing member and secured to said end for aiding in locking the bracket in position, said bracket adapted to support the driving connection between the driving shaft and the first mentioned shaft in position.

1,580,380. COMPRESSED-AIR CLARIFIER. ROB ROY MACDONALD, New York, N. Y. Filed Sept. 13, 1924. Serial No. 737,625. 12 Claims. (Cl. 183—63.)



1. A purifier comprising a chamber having an inlet thereto and an outlet therefrom, a shaft extending through said chamber, means for equalizing the pressure in the ends of said chamber, a purifying device mounted on said shaft, means for compelling all air from said chamber to pass through the purifying device before reaching said outlet, and means for rotating said shaft.

1,580,381. STAND FOR BICYCLES, MOTOR CYCLES, AND THE LIKE. JOSEPH F. MERKEL, Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y., a Corporation of New York. Original application filed Nov. 22, 1920, Serial No. 425,677. Divided and this application filed Mar. 1, 1922. Serial No. 540,333. 2 Claims. (Cl. 208—75.)



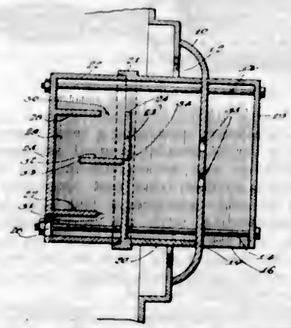
1. In a bicycle including a rear fork having end pieces integral therewith, the combination of a stand having two legs, means for pivoting said stand on said rear fork end pieces, and an outwardly bent part at the edge of each of said end pieces for reenforcing said end pieces against lateral bending, said parts having stop faces with which said legs of the stand are adapted to engage to limit the movement of said stand about its pivots, and lips at the sides of said stop faces and extending rearwardly therefrom and flaring outwardly, said lips serving to guide said legs into engagement with said stop faces and holding said stand and said bicycle against lateral movement relatively to each other.

1,580,382. STENCIL. SALE A. PICKENS, Berlin, Md. Filed Jan. 7, 1924. Serial No. 684,701. 3 Claims. (Cl. 101—129.)

1. The method of printing with stencils consisting in coating a surface to be printed with a saponaceous drying substance; then adhering a stencil in position on the saponaceous layer; then coating the saponaceous surface

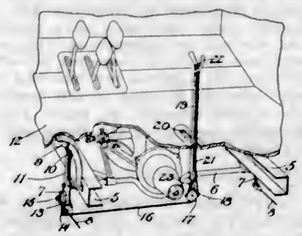
exposed through the stencil opening with a coloring material; and then removing the stencil from service position when the saponaceous material has dried.

1,580,383. FUEL ECONOMIZER. JOHN FREDRICK SCHLAPPI, Sioux City, Iowa. Filed Nov. 23, 1925. Serial No. 71,013. 2 Claims. (Cl. 110—175.)



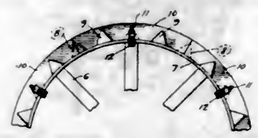
1. A fuel economizer for furnaces comprising a plurality of casings adapted to be secured together and supported by a furnace door, one of said casings having a closed end, the opposite end being in engagement with the furnace door, the closed end being provided with an air inlet opening, the second casing having one end in engagement with the furnace door and alining with the first mentioned casing, the second casing having the end open which engages the furnace door and the opposite end closed, a portion of the upper edge of the closed end of the second casing being provided with a slot, a third casing being alined with the second casing and provided with a plurality of baffles extending horizontally and longitudinally of the casing for causing the air to assume a tortuous path through the third casing, the third mentioned casing having its outer end closed with the closed end having a slot adjacent its lower end and below a baffle.

1,580,384. EMERGENCY-BRAKE-OPERATING MEANS. CLARENCE SCHLEICH, Freeport, Ill. Filed Oct. 8, 1925. Serial No. 61,244. 5 Claims. (Cl. 74—39.)



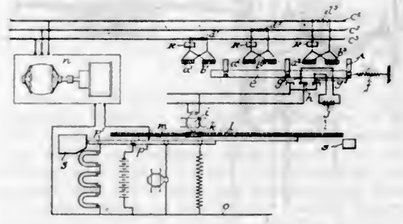
1. In a brake operating mechanism, the combination of a frame having side rails, a transverse rock shaft supported by said rails, a ratchet bar secured to one of the side rails, a lever secured to said shaft, a pawl pivotally mounted on said lever and cooperating with said ratchet member, a second lever secured to said shaft at a distance from the first-mentioned lever, and means mounted on the second lever and operatively connected with said pawl for actuating the latter.

1,580,385. ROAD BAND. HARRY R. SCHROEDER, Ethanac, Calif. Filed Dec. 5, 1923. Serial No. 678,592. 4 Claims. (Cl. 301—39.)



4. A road band for wheels having shoes comprising a sectional ring having an outer face tread and an inner rim bearing face, said sections having faces to bear against shoes in a row, rods extending laterally from said sections, clips to hook over the rim of the wheel and nuts to secure said rods to said clips whereby said sections may be drawn against the shoes.

1,580,386. APPARATUS FOR UTILIZATION OF EXCESSIVE POWER AT ELECTRIC SOURCES. HITOSI SITO, Nagoya, Japan. Filed June 12, 1923. Serial No. 644,846. 4 Claims. (Cl. 171—312.)

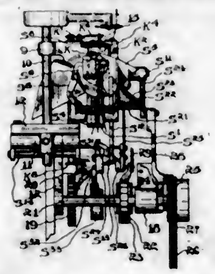


1. An apparatus for the utilization of excess power from a source of electric current comprising movable electro-magnetic means, means adapted to energize said electro-magnetic means from the current flowing from the said source, an auxiliary motor having a source of electric power therefor, switch means operated by the said electro-magnetic control means and adapted to control the movement of the said auxiliary motor in opposite directions, auxiliary load means, and switch means operated by the movement of the said auxiliary motor to connect the said auxiliary load means to the said source of power when the said auxiliary motor is operated in one direction, and to disconnect the said auxiliary load means from the said source of power when it is operated in the opposite direction.

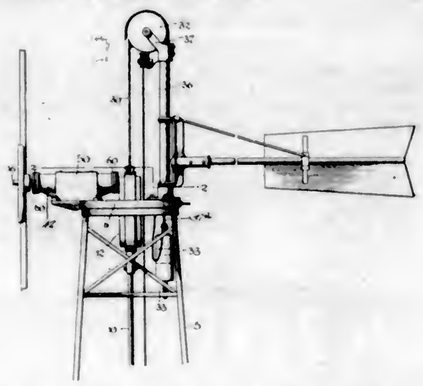
1,580,387. KNITTING MACHINE. ALEXANDER D. STEWART and EDGAR W. CLARKE, Hamilton, Ontario, Canada, assignors to Mercury Mills, Limited, Hamilton, Province of Ontario, Canada. Filed Oct. 30, 1924. Serial No. 746,865. 8 Claims. (Cl. 66—144.)

1. The combination in a circular knitting mechanism for knitting ribbed hose, of a pattern shaft having primary pattern mechanism mounted thereon; a knotter attachment including a plurality of movable yarn guiding fingers, a swinging arm adapted to carry threads to the knotter, and selecting means adapted to actuate any one of the fingers to position its thread in the path

of the yarn; a second pattern shaft; means for actuating the swinging arm and the selecting means; auxiliary pattern mechanism for controlling the actuating means carried on the second shaft; and means for actuating the auxiliary pattern mechanism controlled by the primary pattern mechanism.

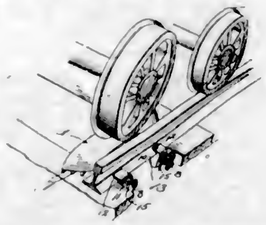


1,580,388. WINDMILL. JAMES FRANKLIN STRUBLE, Hutchinson, Kans. Filed Apr. 30, 1923. Serial No. 635,614. 4 Claims. (Cl. 74—14.)



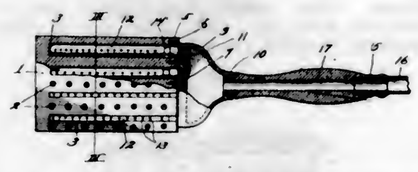
1. The combination of a tower, of a turn table supported thereon, a tubular housing mounted upon the turn table and having its upper end provided with a pulley, a weighted cable extending through said housing and trained about said pulley, a power transmitting member connected to said cable and having a continuous rack, and a power transmitting pinion arranged in said transmission and having engagement with said rack.

1,580,389. CAR REPLACER. ERNEST M. TAYLOR, Richmond, Va., assignor of one-half to Bayard Taylor Jellison, Richmond, Va. Filed June 9, 1925. Serial No. 35,968. 5 Claims. (Cl. 104—265.)



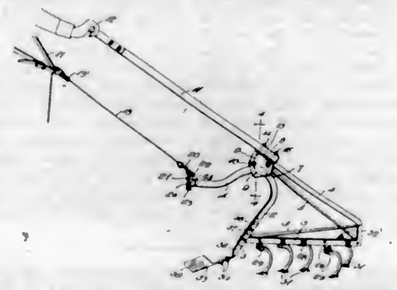
2. A car replacer comprising a body portion adapted to be positioned adjacent a rail on one side thereof, and having a wheel guiding surface, means for securing said body portion against both lateral and longitudinal displacement including an apertured lug having a slot engageable with the base of the rail on the opposite side of the latter, a flexible element connected to said body portion and passing through said lug, and means inseparably carried by said flexible element and adapted to engage therewith at an intermediate portion thereof for holding taut that portion of the flexible element between said lug and body portion.

1,580,390. COMBINATION FOUNTAIN BRUSH AND SHOWER NOZZLE. RALPH W. TRUMBULL, Kansas City, Mo. Filed Oct. 26, 1925. Serial No. 64,835. 3 Claims. (Cl. 15—128.)



1. A fountain brush comprising a bristle carrying back having a plurality of parallel internal passageways each provided with an exit orifice adjacent the bristles, a series of liquid conduit tubes each removably received within one of said passageways and each having an orifice communicating with the corresponding orifice of the back, and resilient means carried at one end of said back and engaging the tubes for interlocking said back and conduit tubes, said locking means being entirely concealed within the back.

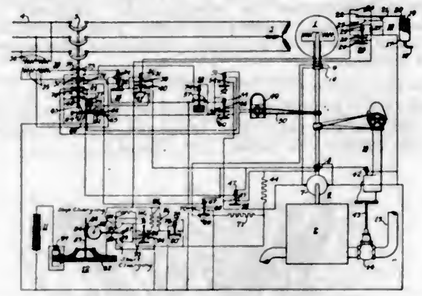
1,580,391. GARDEN IMPLEMENT. WILLIAM S. U'REN, Portland, Oreg. Filed Aug. 26, 1924. Serial No. 734,261. 6 Claims. (Cl. 97—58.)



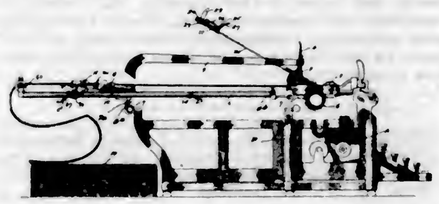
1. In an implement, a frame comprising a beam having means at its front end for connection with a manually pulled draft device, said beam being provided with a downturned rear end, an implement-carrying bar joined to said downturned end of the beam and extending rearwardly therefrom, and a second bar extending upwardly and forwardly from the rear end of said implement-carrying bar to a point adjacent the beam; and a rigid longitudinal handle secured to the frame and inclined forwardly therefrom.

1,580,392. AUTOMATIC STATION. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1924. Serial No. 686,689. 9 Claims. (Cl. 290—4.)

1. The combination with an electrical translating device having a field-magnet winding, a generator for supplying energy to the field-magnet winding and automatic means for initiating and controlling the operation of the translating device, of energy-storing means for supplying energy to actuate the automatic means only when the generator is not in an energy-delivering condition.

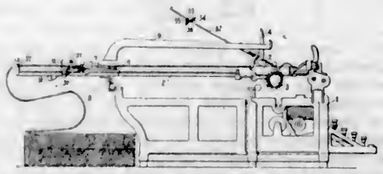


1,580,393. MANIFOLD-FORM-REGISTERING DEVICE FOR BILLING MACHINES. WILLIAM J. WISWALL, Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Aug. 1, 1922. Serial No. 579,085. 27 Claims. (Cl. 197—126.)



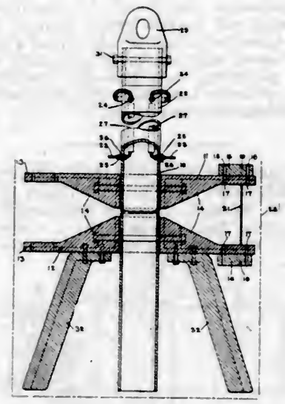
1. In a machine of the class described, comprising, in combination, a plurality of strips having successive forms printed thereon and control apertures in definite relation to the forms, a platen, printing mechanism, means for moving said strips relative to said printing mechanism, a guide member over which said strips are fed, pins upon which the apertures in a set of forms may be impaled, said pins, said platen, and said guide member being relatively movable from a position to support said strips between said pins and said guide member, to a position to bring said strips substantially into contact with said platen.

1,580,394. MANIFOLD-FORM-REGISTERING DEVICE FOR BILLING MACHINES. WILLIAM J. WISWALL, Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed Mar. 17, 1924. Serial No. 699,864. 11 Claims. (Cl. 197—126.)



1. In a machine of the class described, the combination with a carriage and a carbon carrier supported thereon, of pins on the carrier for engaging aligning apertures in the paper strips, a counterweight to extend the pins, a stop on the carriage for engagement by the counterweight to release the pins, manually controlled means for holding the strips from rearward movement with the carrier, including a bar carrying aligning pins, a gauge plate on the carriage on which the bar is slidable, and means for holding the bar in adjusted position.

1,580,395. HEATER FOR STEEL LADLES. JAMES C. WOODSON, Mansfield, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1922. Serial No. 592,758. 5 Claims. (Cl. 219—19.)

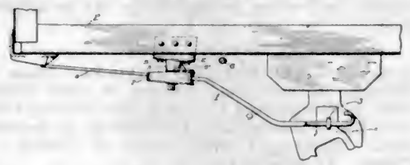


1. In an electric heater, in combination, a central supporting member, a plurality of spaced sets of radially-extending arms secured to said central supporting member, refractory insulating blocks secured to the outer ends of said arms, a resistor member threaded over and between said sets of arms and said insulating blocks and a terminal board for said resistor member supported by and secured to said central supporting member.

1,580,396. TARPAULIN FOR ATHLETIC FIELDS. JOHN H. WOODWARD, Columbus, Ohio, assignor to The J. H. and F. A. Sells Company, Columbus, Ohio, a Corporation of Ohio. Filed Jan. 7, 1926. Serial No. 79,899. 4 Claims. (Cl. 273—27.)

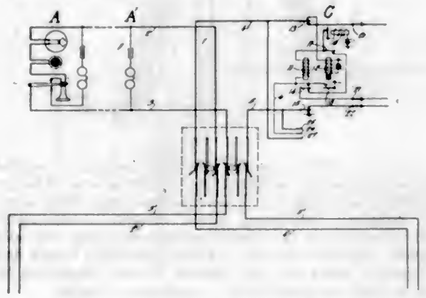
4. A tarpaulin covering for athletic fields comprising a plurality of separable sections, metallic plates carried by the marginal edge of one of said sections and formed with hook shaped locking extremities, a plurality of complemental plates carried by the marginal edge of the adjacent mating section, said latter plates being provided with openings for the reception of said hook shaped locking extremities, said plates serving when interlocked to maintain the adjoining edges of said sections in a substantially upright position, and a sealing flap carried by one of said sections.

1,580,397. UNCOUPLING DEVICE. WILLIAM WAIGHT, Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 30, 1924. Serial No. 746,814. 6 Claims. (Cl. 213—164.)



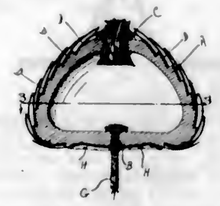
6. An uncoupling device including a power multiplying leverage mechanism comprising in combination a fixed bracket having two fulcrum pivots thereon, a member oscillatably mounted on one of said pivots, a hand lever oscillatable about said one pivot coturnably with said member, a pin lifting lever fulcrumed medially on the other of said pivots and means including said member operatively connecting said levers.

1,580,398. SERVICE OBSERVATION ARRANGEMENT FOR TELEPHONE SYSTEMS. WILLIAM A. BENSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 18, 1921. Serial No. 508,533. 29 Claims. (Cl. 179—27.)



26. In a telephone system, a protector on the distributing frame at the exchange, a subscriber's line normally connected through said protector and terminating in an automatic switch, a link circuit, and means for inserting said circuit at said protector to include same in series with said line for observation or testing purposes.

1,580,399. ARTIFICIAL FLOWER. SIMON BERGER, New York, N. Y. Filed Dec. 8, 1925. Serial No. 73,963. 5 Claims. (Cl. 41—13.)

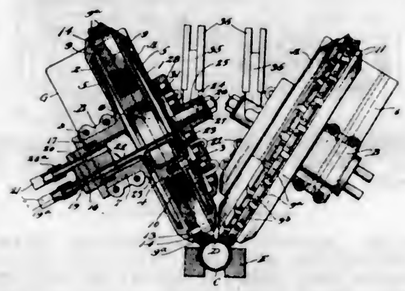


1. An artificial flower comprising a cone-shaped inner frame having an orifice at the top and bottom, a stem attached to the bottom of said frame through the bottom orifice, and a series of petals grouped concentrically around said frame and parallel with the sides thereof.

1,580,400. COMPOSITION FOR THE TREATMENT OF GOITER. PAUL BOMMARITO, Detroit, Mich. Filed May 4, 1925. Serial No. 28,019. 3 Claims. (Cl. 167—7.)

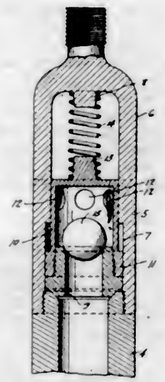
1. A composition for intra-muscular treatment of goiter, comprising: elementary iodine, potassium iodide, guaiacol, in solution in a vehicle suitable for intra-muscular injection.

1,580,401. ELECTRIC WELDING DEVICE. JOHN B. BORGADT, Cleveland, Ohio. Filed Oct. 9, 1924. Serial No. 742,660. 24 Claims. (Cl. 219—4.)



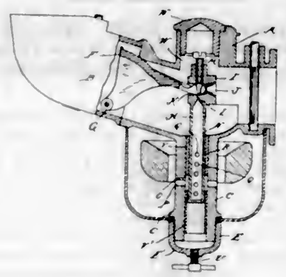
1. In an electric resistance welder, a series of independent electrodes, a carrier upon which the electrodes are mounted for bringing the electrodes successively into operative engagement with the material being welded and yielding means acting upon the electrodes to move them into and out of operative position with a snap action.

1,580,402. PUMP VALVE. JAMES J. BRETT, Huntington Beach, Calif., assignor of one-half to George S. Fosnaugh, Huntington Beach, Calif. Filed Nov. 15, 1923. Serial No. 674,840. 1 Claim. (Cl. 103—225.)



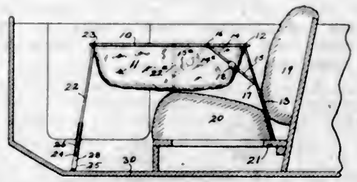
In a valved pump piston, the combination of a plunger bushing, a valve seat detachably mounted on its upper end and provided with an external thread, a body having a crown for attachment to sucker rods with a sleeve portion at its lower end, said body having a bore of enlarged diameter at the lower end, a cylindrical valve cup slidably mounted in said bore and having an enlargement slidably fitted in the bore of enlarged diameter, said cup being closed at the top and having ports in the sides thereof disposed to be opened when said cup is in its upper position with said ports above said sleeve portion, and closed when said cup is in its lower position, said cup being internally threaded at the lower end, a check valve seat mounted in the threaded end of said valve, and a ball check valve housed within said cup to open in the same direction as said cup valve and mounted on said seat.

1,580,403. CARBURETOR. FRANK BRISCOE, Jackson, Mich., assignor, by mesne assignments, to Briscoe Devices Corporation, Pontiac, Mich., a Corporation of Michigan. Filed Mar. 3, 1919. Serial No. 280,333. 1 Claim. (Cl. 261—44.)



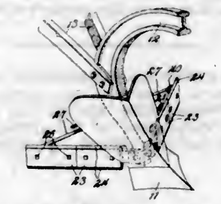
In a carburetor, the combination with an air conduit, of a valve therein for restricting said conduit and opened by the pressure of air passing therethrough, a cylindrical well beneath said conduit and opening thereinto, bushings in the upper and lower portion of said well spaced from each other to form an annular channel therebetween, and a hollow plunger extending from said conduit into said well, being connected to said air valve to be operated thereby, said plunger being closed at its lower end, having a series of apertures intermediate its ends for establishing communication between said annular chamber and the interior of the plunger in different positions of adjustment thereof.

1,580,404. CHILD'S SUPPORT FOR USE IN AUTOMOBILES. BERTHA WEILER BROWN, La Porte, Ind., assignor to Reinhardt H. Brown, La Porte, Ind. Filed Mar. 22, 1924. Serial No. 701,012. 3 Claims. (Cl. 5—94.)



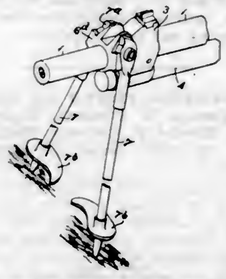
1. The combination with an automobile body having a seat frame, a seat cushion, and a back cushion, of a hollow main crib frame, shorter than the length of the seat cushion and extending transversely thereof from a point toward the rear to a point beyond the front thereof, a flexible trough-like body portion suspended from the main crib frame, a rearwardly and downwardly inclined rear supporting frame pivoted to the rear of the main frame and having its lower end thrust between the rear of the seat cushion and the bottom of the back cushion into contact with the seat frame so as to be held from angular movement between the two cushions and be supported on the seat frame, and means detachable from the automobile to support the front end of the main crib frame therefrom.

1,580,405. HEEL SWEEP. JAMES W. BROWN, Winnsboro, Tex. Filed Apr. 22, 1924. Serial No. 708,228. 3 Claims. (Cl. 97—205.)



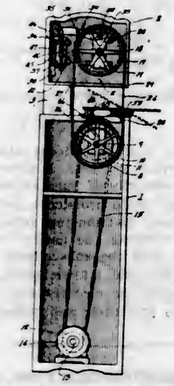
1. A heel sweep for plows comprising a central bar rigidly secured to the foot of the plow standard, and having rearwardly diverging ends, a second bar pivotally secured to each of said diverging ends and adapted for pivotal movement to any one of several positions of adjustment, and a blade carrying bar pivotally secured to each of said second bars, whereby it may be turned and secured in various angular positions independently of the adjustment of said second bar.

1,580,406. SUPPORT FOR FIREARMS. JOHN M. BROWNING, Ogden, Utah. Filed May 31, 1924. Serial No. 716,966. 10 Claims. (Cl. 42—94.)



1. A bipod rest for firearms comprising legs foldable to inoperative position, said legs being elastic thereby permitting flexing of the same, and means whereby said legs are kept in inoperative position by their elasticity.

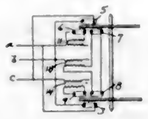
1,580,407. BAND SAW. JOHN A. CARLSON, Tacoma, Wash. Filed July 28, 1924. Serial No. 728,635. 1 Claim. (Cl. 143—27.)



In a saw of the class described, a saw band mounting wheel, a slidably supported mounting for said wheel, a stud on said mounting, a pivotally mounted lever having connection at one end with said stud, a slidably mounted

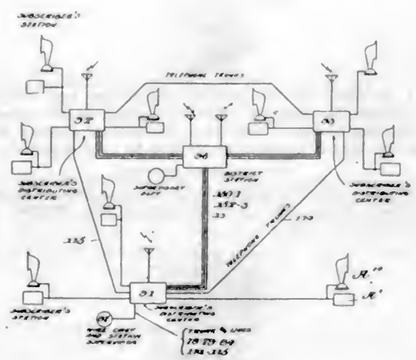
plate, a spring connected to said lever and to said plate, a pivotally mounted lever and a link connecting the said lever and plate whereby the plate may be moved to remove or place tension on the spring for the purpose set forth.

1,580,408. ELECTRICAL MEASURING INSTRUMENT. GEORGE ARTHUR CHEETHAM, Manchester, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 18, 1918. Serial No. 235,309. 3 Claims. (Cl. 171—264.)



1. In a measuring instrument for a multi-phase circuit, the combination with a meter having a voltage element connected between two conductors of the circuit and a current element connected differentially between one of said conductors and the third conductor of the circuit, of a second meter having a voltage element connected between one of said two conductors and said third conductor and a current element connected differentially between the second and first conductors.

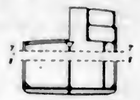
1,580,409. TRUNKING SYSTEM OF RADIO DISTRIBUTION. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed Feb. 14, 1925. Serial No. 9,355. 9 Claims. (Cl. 250—6.)



1. In a system of radio broadcast distribution, a district broadcast service station, a plurality of central stations each with subscribers' substations and wire lines interconnecting them, radio broadcast transmitting means at the district station, distributing relay means at each central station for relaying the matter broadcasted from the district station onto the subscribers' wire lines at a frequency suitable for line transmission, and means for supervising and testing the circuits and apparatus of all said central stations and their subscribers' stations from a common point.

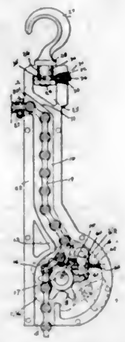
1,580,410. DREDGE CONSTRUCTION. WILLIAM CLIFFORD, Duluth, Minn. Filed Aug. 24, 1925. Serial No. 51,961. 1 Claim. (Cl. 114—65.)

The herein described method of transforming a common freight vessel into a hydraulic dredge comprising first removing the ends of the vessel and forming a scow like bow and stern to the midship section, removing a



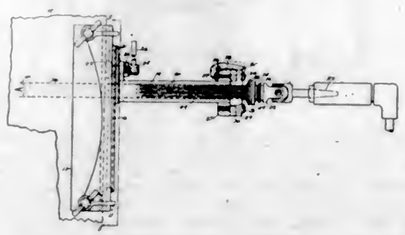
vertical section of the sides of the hull and reuniting the remaining portions, and connecting hydraulic dredge machinery to the power unit as found in the vessel.

1,580,411. FREE CHAIN HOIST. FREDERICK W. COFFING, Perrysville, Ind., assignor to Otto Walter, Perrysville, Ind. Filed Aug. 1, 1924. Serial No. 729,490. 5 Claims. (Cl. 254—135.)



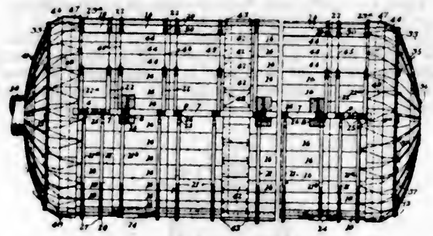
1. In a chain hoist the combination of a housing having an elongated channel portion therein, a circular chamber portion tangential thereto, an offset portion in said channel inclined to the elongation and the chamber for forming an abutment therebetween adjacent said chamber and another channel portion substantially in line with the first mentioned portion and tangential to the chamber portion, a pinion in said chamber with its axis coincident therewith, and a chain in said channel and chamber having simultaneous engagement with a plurality of pinion teeth by reason of said offset abutment.

1,580,412. MORTISING TOOL. JOHN H. COLLINS, Portland, Oreg. Filed Jan. 3, 1925. Serial No. 311. 2 Claims. (Cl. 144—79.)



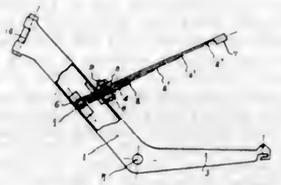
1. A mortising tool having in combination, a U shaped clamp adapted to be attached to a door; a slide mounted on said clamp having a hollow square guide formed thereon; a hollow square chisel in said guide; said clamp having a slot formed therein permitting said chisel to pass therethrough; an auger in said chisel; a head on said auger and driving connections between said head and chisel adapted to advance said chisel.

1,580,413. HEAT INSULATION FOR CONTAINERS. LESTER E. COVER, Pittsburgh, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1924. Serial No. 742,601. 15 Claims. (Cl. 220—1.)



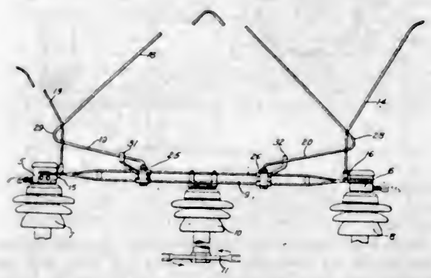
3. The method of insulating a container having a rivet space, comprising covering a portion of the container adjacent said rivet space with a single layer of insulation consisting of preformed blocks, leaving the rivet space open for leaks to develop, caulking such leaks as may appear, placing a layer of cement in said space, covering said space with insulating blocks bedded in said cement, and holding said last mentioned blocks in place by means permitting ready removal thereof without disturbing said insulating layer, substantially as described.

1,580,414. BICYCLE OR LIKE FRAME. GIUSEPPE UMBERTO COZZOLINO and GUGLIELMO CONDRÒ FLORES, Turin, Italy. Filed Mar. 1, 1924. Serial No. 696,241. 6 Claims. (Cl. 208—94.)



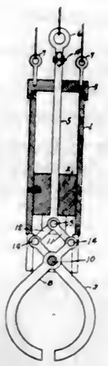
1. A bicycle frame having a front fork mounting, a crank axle mounting, an inclined frame element extending between the mountings, and projecting approximately horizontally beyond the latter mounting, and a saddle support connected to said element between said mountings and having its upper end adapted to resiliently oscillate in the longitudinal plane of the frame under all conditions.

1,580,415. HORN-GAP SWITCH. HERBERT J. CRABBS, Pittsburgh, and ANDREW H. BAKKEN, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 5, 1922. Serial No. 566,030. 5 Claims. (Cl. 200—48.)



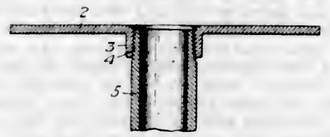
3. The combination in a switch having a pair of spaced contact members and a bridging switch member, of an arc horn on each contact member and a one-piece flexible arc horn for engaging the said arc horns having its ends so pivotally connected to the switch member that the portions for engaging the said arc horns are biased toward and engage the horns during movement of the bridging switch member through a portion of its travel.

1,580,416. SAFETY HOOK. DEWITT PATTISON CROMWELL, Hubbard, Ohio, and PATTISON CROMWELL, Terre Haute, Ind. Filed Apr. 8, 1925. Serial No. 21,539. 2 Claims. (Cl. 294—115.)



1. In a safety hook construction the combination of a pair of parallel hooks pivotally mounted in spaced relation intermediate their ends and movable as a unit, an oppositely directed and similarly mounted hook positioned intermediate said unitarily movable hooks and having the same pivotal axis, and a weighted toggle linkage normally maintaining said hooks in open relation and actuatable in opposition to the weighting thereof for closing said hooks.

1,580,417. ARTICLE OF MANUFACTURE AND METHODS OF MAKING THE SAME. CHARLES B. CUSHWA, Youngstown, Ohio, assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio, a Corporation of Ohio. Filed June 19, 1924. Serial No. 720,967. 18 Claims. (Cl. 148—14.)

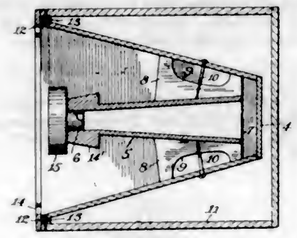


1. The method of making articles of manufacture, comprising working a steel having open hearth characteristics, thereafter treating the steel to impart Bessemer characteristics, and then machining the steel.

1,580,418. SOUND-AMPLIFYING MEANS. JOHN E. DAVIS, Brooklyn, N. Y. Filed Jan. 26, 1924. Serial No. 688,714. 3 Claims. (Cl. 181—27.)

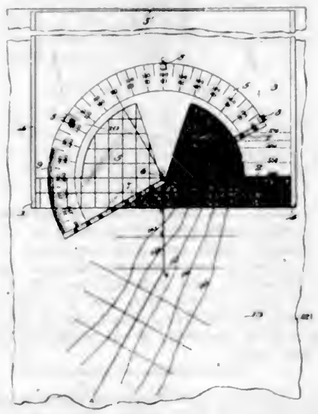
1. In a sound amplifier, a sounding board of truncated cone shape closed at the smaller end, a sound receiver axially of the sounding board with the sound receiving

end at the open end thereof, and a bridge connection between the sounding board and the receiver through



which the vibrations of the sound waves are transmitted from the receiver to the board, said sounding board being supported at the open end only.

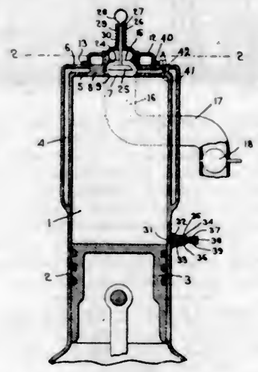
1,580,419. DRAFTING INSTRUMENT. DANIEL E. DE MÁRQUEZ, Medellin, Colombia. Filed Nov. 9, 1923. Serial No. 673,836. 1 Claim. (Cl. 33—80.)



In an instrument of the character set forth, the combination with a cross-sectioned graph surface, of a traversing member mounted to be bodily movable across the cross-sectioned graph surface, and a protractor pivotally mounted on, and bodily carried by, said traversing member so that it is shifted bodily when said member is moved, said protractor having a base line scale denoting linear measure reading in opposite directions from zero at the pivotal point of the protractor, and being also provided with oppositely reading degree or angle scales whose respective zeros are at the respective ends of the base line scale aforesaid, said angle scales being used in connection with the aforesaid base line scale and the horizontal lines of the cross-sectioned graph surface to determine the degree or angle defined by the base line scale in relation to the horizontal lines of the graph surface.

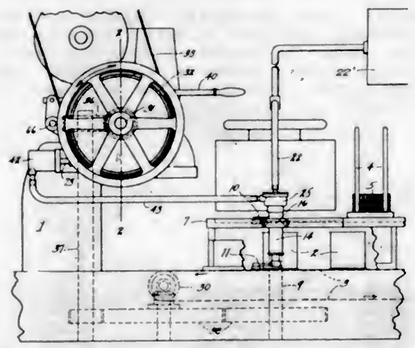
1,580,420. INTERNAL-COMBUSTION ENGINE. WILLIAM L. DEMPSEY, Philadelphia, Pa., assignor to Dempsey Cycle Company Incorporated, Philadelphia, Pa., a Corporation of Delaware. Filed Sept. 21, 1921. Serial No. 502,242. 3 Claims. (Cl. 123—75.)

1. An internal combustion engine comprising a metallic cylinder having a head of sufficient mass to absorb a large amount of heat presenting a flat inner face and provided with a substantially flat inner face and with a substantially central fuel inlet port having a reversely conoidal re-entrant wall, means for supplying a regulated mixture of air carbureted with liquid and hydrocarbon to said port, an inlet valve in said port having a peripheral surface complementary to one of the surfaces of said annular re-entrant port wall operable to admit said mixture into the cylinder during the outward stroke of the piston and to direct a thin film of said mixture against the highly heated wall of said port and co-operating with said wall to direct said film in a converging conoidal form into the cylinder adjacent the head thereof and thereby to cause unbroken globules of the hydrocarbon to



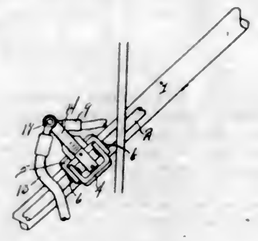
impinge upon one another and also to cause the charge to be thoroughly mixed and distributed in the portion of the cylinder adjacent its head and a spring actuated poppet valve automatically operable to admit a supplemental amount of air into said cylinder adjacent the end of the piston near the end of each outward stroke thereof and to prevent the escape of any of the supplemental air thus introduced, whereby an approximately constant volumetric charge will be introduced into the cylinder irrespective of the amount or quality of the charge of explosive mixture and an effective stratification of the air and explosive mixture will be produced.

1,580,421. AUTOMATIC STOP FOR CAN-MAKING MACHINES. MERTON L. DODGE, Seattle, Wash., assignor to The Seattle Astoria Iron Works, Seattle, Wash. Filed Feb. 6, 1923. Serial No. 617,397. 15 Claims. (Cl. 192—125.)



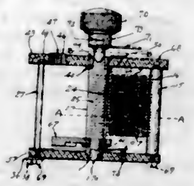
1. In a machine of the class described, the combination with means for advancing can bodies and ends into the machine and brake mechanism operable to stop the same, of yieldable members positioned to be engaged and moved respectively by can bodies and ends as advanced and mechanism under control of said members operable to actuate the brake mechanism.

1,580,422. CIRCUIT BREAKER FOR MOTOR VEHICLES. PARL O. ECKELS, Dallas, and RAY DERMONT MONROE, Royse City, Tex., assignors to Nu-Idea Manufacturing Company, Dallas, Tex., a Corporation of Texas. Filed Aug. 5, 1924. Serial No. 730,196. 3 Claims. (Cl. 200—59.)



1. In a motor vehicle provided with spark and fuel control rods, and a steering column; a circuit breaker for said motor vehicle comprising a bracket mounted on said rods and provided with an arm projecting therefrom, a contact stationary with said arm and bracket and said bracket having means for insulating said contact therefrom, a movable contact, an arm fixedly mounted on said spark control rod for carrying and actuating said movable contact to make connection with said stationary contact, and means for varying the positions of said contacts.

1,580,423. VARIABLE CONDENSER. PHILIP E. EDELMAN, New York, N. Y. Filed June 5, 1922. Serial No. 566,130. 4 Claims. (Cl. 250—41.)



1. A variable condenser comprising in combination, a rotatable shaft having a series of slots, rotor plates constructed to fit into said slots, a counterweight for said rotor plates, a locking pin to fasten said plates and counterweight to said shaft, a pair of insulated bearing supports for said shaft, a series of stator plates carried in cooperative relation to said shaft bearing supports, an adjustable friction member to hold said shaft and rotor plates spaced from said stator plates, and means to hold the rotor and stator plates in parallel alignment, including cooperating supports for said stator plates comprising slotted holders therefor.

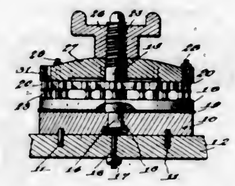
1,580,424. MAGNESIUM-CONTAINING SYNTHETIC RESIN AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed June 11, 1923. Serial No. 644,801. 23 Claims. (Cl. 260—4.)

15. The resinous reaction product of formaldehyde, phenol and hydrated magnesium oxide.

1,580,425. MOLDING COMPOSITION CONTAINING ORGANOMAGNESIUM COMPOUNDS. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed June 25, 1923. Serial No. 647,756. 8 Claims. (Cl. 106—22.)

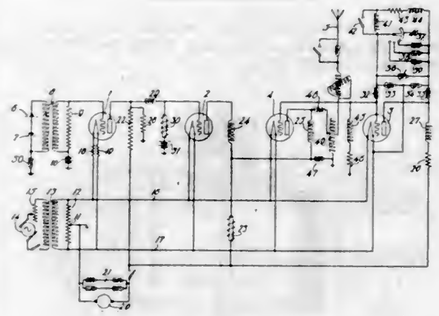
4. A molding composition comprising the products of reaction of a phenolic body, a basic magnesium compound comprising magnesium hydroxide and formaldehyde.

1,580,426. PRESS FOR LEVELING MAGNET ASSEMBLIES. ROY ARTY FARNAM, La Grande, Oreg. Filed Mar. 3, 1925. Serial No. 13,007. 5 Claims. (Cl. 29—84.)



1. A fly wheel and magnet levelling press including a base plate adapted to receive and support a motor fly wheel, a presser plate cooperating therewith for clamping a series of magnets against such fly wheel, means for forcing the presser plate toward the base plate to evenly engage and support such series of magnets, and means in connection with the presser plate and engageable with the fly wheel to adjustably limit movement of the presser plate toward the base plate.

1,580,427. CIRCUIT FOR AUDIONS. JOHN F. FARRINGTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1920. Serial No. 419,512. 13 Claims. (Cl. 179—171.)

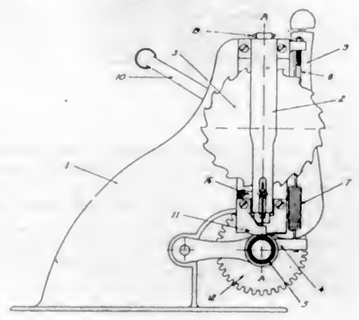


1. The combination of a circuit comprising a plurality of electron discharge devices each having a cathode and an anode, a source of alternating current for heating said cathodes, a transformer having a primary winding and a secondary winding for connecting said source to said cathodes, and a compensating circuit common to said cathodes for suppressing the difference in potential between the cathodes and anodes due to the use of alternating current for lighting said cathodes.

1,580,428. METHOD OF PRODUCING EMBOSSED SHEET RUBBER. FRANK FENTON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 14, 1925. Serial No. 9,296. 1 Claim. (Cl. 18—56.)

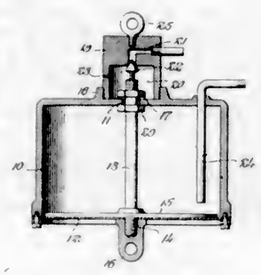
The herein described method of producing an embossed sheet rubber article having fabric reinforcements which consists in providing a sheet of rubber compound containing one of two ingredients which will coact to effect vulcanization, applying the other ingredient to the surface of the sheet, applying an embossed sheet to said surface, subjecting the assembly to a vulcanizing action, removing said embossed sheet and applying fabric reinforcements to the partially vulcanized rubber sheet, reassembling said rubber sheet and the embossed sheet and completing vulcanization under heat and pressure.

1,580,429. STITCH-CUTTING MACHINE. LEO B. FROST, Marietta, Ohio. Filed June 29, 1923. Serial No. 648,516. 6 Claims. (Cl. 12—1.)



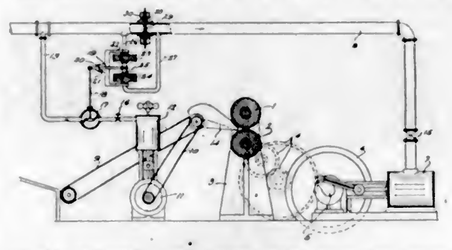
6. The combination with means for clamping and feeding a shoe welt, of a welt stitch cutting knife comprising a blade having a cutting edge and movable toward and from the welt to press the stitches against the welt and sever them transversely and successively, and mechanism for actuating said blade.

1,580,430. DYNAMOMETER. WALTER L. GAINES, Urbana, Ill. Filed Apr. 14, 1924. Serial No. 706,377. 4 Claims. (Cl. 265—47.)



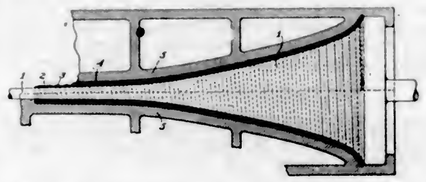
1. In a dynamometer, a hollow body having means for connecting the interior thereof with a source of gas pressure varying with respect to the pressure of the atmosphere, a diaphragm included in said body operable by variation between said pressures to balance an applied force to be measured, and means operated by the movement of the diaphragm to control the passage of gas between the interior of the body and the source.

1,580,431. AUTOMATIC LOAD-REGULATING MEANS. HOWARD M. GASSMAN, Birmingham, Ala. Filed May 23, 1925. Serial No. 32,501. 4 Claims. (Cl. 83—44.)



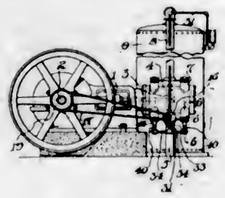
1. An automatic load control mechanism for power driven machinery, comprising a motive fluid driven prime mover having a supply main for the motive fluid, means to regulate the feed of material to be acted upon by said prime mover, means to create a differential pressure responsive to the variations in flow of motive fluid to the prime mover, and means responsive to the variation in such differential to regulate said feed.

1,580,432. METHOD OF MAKING SINUOUS HARD-RUBBER ARTICLES. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 31, 1925. Serial No. 78,647. 4 Claims. (Cl. 18—56.)



1. The hereindescribed method of making hollow articles of curved form, from hardened plastic material, which consists in molding the plastic material in straight form, having incorporated therein a reinforcement of bendable metal, removing the article from the mold and bending it to the desired shape, and thereafter hardening the plastic material.

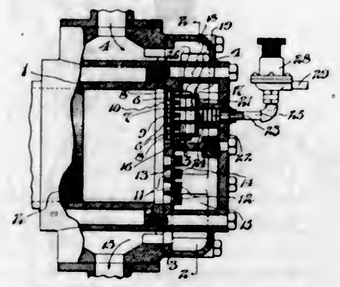
1,580,433. COMPRESSOR-CONTROLLING MECHANISM. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 18, 1916, Serial No. 120,779. Renewed June 15, 1923. 32 Claims. (Cl. 230—24.)



1. In combination, a positively operated liquid circulating system, a fluid pressure operated unloading means, and a controlling valve for said means controlled by the liquid pressure in said system.

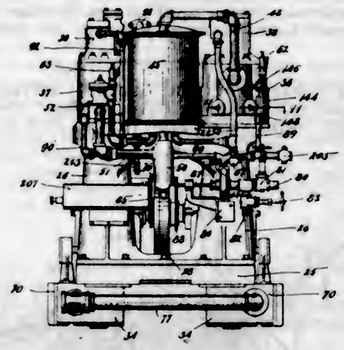
20. The combination with a fluid compressing means and driving means therefor, of means having a plurality of fluid actuating surfaces operative to effect loading of said fluid compressing means when subjected to a fluid pressure variation of a predetermined intensity, and means driven by one of said two first mentioned means for producing the requisite fluid pressure variation at a time when the driving speed of said fluid compressing means reaches a predetermined desired rate.

1,580,434. UNLOADING MECHANISM FOR COMPRESSORS. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 14, 1917. Serial No. 154,811. 31 Claims. (Cl. 230—2.)



1. The combination with a compressor having a cylinder having a port communicating therewith and a valve controlling said port and flexing about a transverse line in opening, of an element adapted to engage said valve at a point remote from said transverse line and to flex it into open position.

1,580,435. AIR COMPRESSOR. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 22, 1918, Serial No. 229,089. Renewed May 27, 1924. 43 Claims. (Cl. 230—32.)

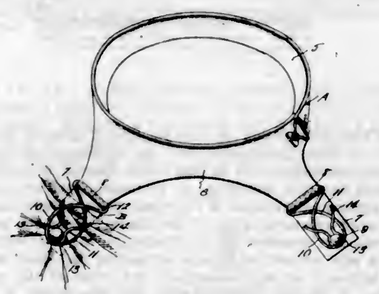


1. A four stage compressor comprising, in combination, a high pressure cylinder, a first intermediate cylinder aligned therewith, pistons in said cylinders, a common piston rod for said pistons, a low pressure cylinder, a second intermediate cylinder aligned with said low pressure cylinder, pistons in said last named cylinders, a second piston rod to which said last named pistons are connected, and actuating means operatively connected with said piston rods.

23. In a multiple stage fluid compressor, in combination, a plurality of compound cylinders each having a plurality of cylinder portions, a cooler comprising a plurality of cooling tanks located between said cylinders, means for conveying the compressed fluid through said cooler after its compression in each of said cylinder portions, means for supplying a cooling fluid, successively to the several portions of each of said cylinders, and means for conveying said fluid from each of said cylinders to one or the other of said tanks.

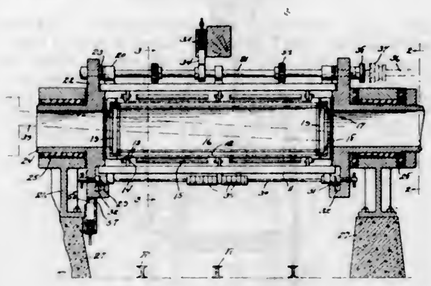
30. A multistage compressor comprising a plurality of motor cylinders whose axes lie in a plane making an angle with the horizontal, motor pistons therein, a plurality of compressor cylinders disposed in alinement with said motor cylinders, a plurality of compressor pistons therein, a crank shaft whose axis lies in the same plane with the axes of said cylinders, but at right angles to said axes, said crank shaft being connected with said motor pistons, driving connections between said motor pistons and compressor pistons, a fly wheel on said crank shaft, and a cooler disposed between said compressor cylinders and above said fly wheel.

1,580,436. GARTER. FRANKLIN J. KLEPPER, Earling, Iowa. Filed June 23, 1924. Serial No. 721,924. 1 Claim. (Cl. 24—246.)



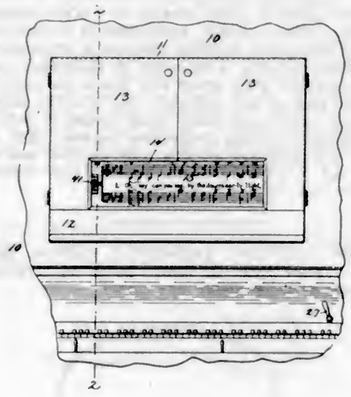
A garment supporter comprising a tab, a stud carried by the tab, a pair of resilient arms also carried by the tab, each being bowed longitudinally and having their curves arranged in opposed relation, said arms being provided with grips arranged to engage said stud, the outer terminals of the grips being provided with diverging finger pieces resting upon the opposite arms.

1,580,437. MOLDING MACHINE. RICHARD J. LEARY, Burlington, N. J. Filed Dec. 12, 1924. Serial No. 755,533. 7 Claims. (Cl. 22—65.)



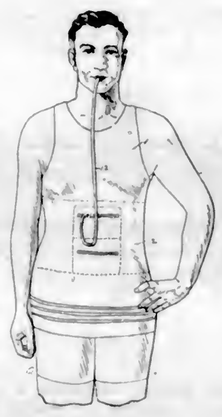
1. A molding machine comprising a pair of semi-cylindrical sections mounted for relative pivotal movement and adapted to be secured together to provide a mold, means connecting the sections to provide for simultaneous pivotal movement, means for supporting the sections during such movement and means for supporting the mold whereby the latter may be rotated.

1,580,438. PIANO PLAYER. THOMAS MCKEE, Portland, Oreg. Filed Dec. 10, 1908, Serial No. 466,788. Renewed June 27, 1921. Serial No. 480,720½. 15 Claims. (Cl. 84—161.)



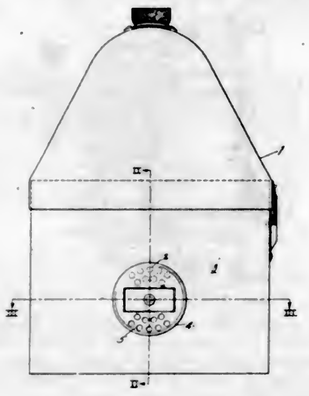
1. The combination of a key-actuated musical instrument, a sheet perforated for the automatic operation of said instrument and having music thereon in ordinary musical notation including the customary staff or staves, the perforated portions of the sheet being to one side of said staff or staves whereby the characters of the music in ordinary notation are unaffected by the perforations, and a pair of vertical rollers supporting the sheet above the keyboard of the instrument, the front of the piano having a display opening only for the music in the ordinary form of notation.

1,580,439. LIFE-PRESERVING SUIT. ANDREW MEILAND, Buffalo, N. Y. Original application filed Oct. 13, 1924, Serial No. 743,408. Divided and this application filed Feb. 4, 1925. Serial No. 6,827. 10 Claims. (Cl. 9—20.)



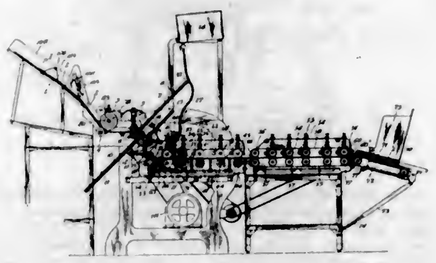
1. A life preserving suit having a pocket adapted to encircle the body of a wearer, an annular inflatable container for fluid under pressure disposed in said pocket, means removably arranged within the same pocket for inflating said container, and means detachably secured in closed state enclosing said inflating means in the pocket.

1,580,440. COMBINATION VENTILATOR AND CARD HOLDER. J. LEWIS PALLEY, Pittsburgh, Pa., assignor to Pittsburgh Tinware Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1923. Serial No. 662,957. 4 Claims. (Cl. 220—1.)



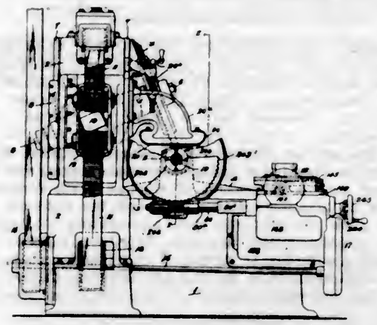
1. A ventilator and card holder for a lunch box comprising a stamping of saucer shape adapted to be secured to the box by a rivet through its center, the stamping being provided with a centrally depressed rectangular portion symmetrically disposed about the center and severed from the stamping at two opposite sides to provide openings for accommodating an identification card, and being further provided with openings in the non-depressed portion through which air may pass.

1,580,441. MACHINE FOR MAKING ENVELOPES. FREDERICK JAMES PARKS, Cleveland, Ohio. Filed Feb. 4, 1924. Serial No. 690,423. 7 Claims. (Cl. 93—62.)



5. In means for automatically manufacturing envelopes, blank folding means; blank gluing means controlled by the movements of the blank and including a pair of longitudinally spaced pivoted trips adapted to intercept the blank and be moved thereby; means tending to hold said trips in non-operative gluing position, the glue commencing to feed when both trips are moved by the blank and ceasing to feed when the first trip is released by the blank; and cooperative means for conveying the blank to said folding and gluing devices.

1,580,442. CONTROL MECHANISM FOR GRINDING APPARATUS. CHARLES H. SCHURR, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 6, 1923. Serial No. 630,232. 23 Claims. (Cl. 51—52.)



1. In apparatus of the class described, the combination with a frame, of a support carrying a tool, a slide mounted to reciprocate on said frame, a spindle for a blank mounted on said slide, means for reciprocating said slide and oscillating said blank spindle, means for effecting relative movement between said slide and tool support, means for indexing the blank, whereby successive portions thereof are acted upon by the tool, and means for automatically stopping the movement of said slide and blank spindle at a predetermined position of the blank.

1,580,443. GOLD ALLOY. THOMAS P. SHIELDS, New York, N. Y., assignor to Shields & Moore, a Firm consisting of Thomas P. Shields and G. A. Moore, New York, N. Y. Filed May 15, 1924. Serial No. 713,617. 5 Claims. (Cl. 75—1.)

1. An alloy containing not substantially below 70% of gold, much smaller but substantially proportions of both iron and of nickel, the two latter amounting to not less than 15% of the alloy, and the iron being over half the amount of nickel, and a still smaller amount of a deoxidizer, such deoxidizer being a solid element which readily forms a solid oxid of the type AO_2, such alloy being of a whitish color, and such alloy being free from other noble metals.

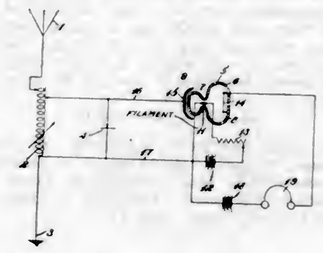
1,580,444. METALLIC ALLOY. THOMAS P. SHIELDS, New York, N. Y., assignor to Shields & Moore, a Firm consisting of Thomas P. Shields and G. A. Moore, New York, N. Y. Filed May 20, 1925. Serial No. 31,671. 4 Claims (Cl. 75—1.)

1. An intermediate alloy consisting of 1 to 10 parts of chromium 24 to 50 parts of copper, 10 to 30 parts of zinc, together with some silver but not substantially above 15 parts thereof.

1,580,445. GOLD ALLOY. THOMAS P. SHIELDS, New York, N. Y., assignor to Shields & Moore, a Firm consisting of Thomas P. Shields and G. A. Moore, New York, N. Y. Filed July 6, 1925. Serial No. 41,874. 4 Claims. (Cl. 75—1.)

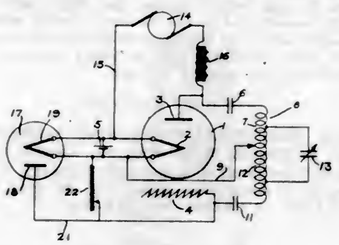
1. An intermediate alloy consisting essentially of:—chromium 0.1 to 2 parts, copper 24 to 50 parts, and zinc 10 to 18 parts.

1,580,446. ELECTRON TUBES. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,206. 13 Claims. (Cl. 250—27.)



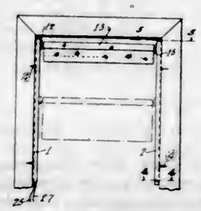
2. An evacuated electric device comprising a container having a restricted portion, a source of electron emission disposed immediately adjacent said restricted portion and an anode and a control electrode oppositely disposed with respect to said restricted portion.

1,580,447. OSCILLATION GENERATOR SYSTEM. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1921. Serial No. 463,210. 13 Claims. (Cl. 250—36.)



1. The combination with an evacuated electric device having a space-current path therein, of electrostatic means for preventing the formation of a negative charge upon the inner surface of the walls thereof.

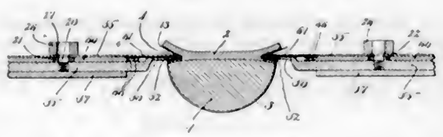
1,580,448. WINDOW-SHADE FIXTURE. ALVA BERNARD SMITH, deceased, late of St. Louis, Mo., by Nannie L. Smith, administratrix, St. Louis, Mo., assignor of one-half to James M. Gray, Webster Groves, Mo., and one-half to John T. O'Connor, St. Louis, Mo. Filed June 18, 1923. Serial No. 646,149. 3 Claims. (Cl. 156—27.)



1. In a window-shade fixture, in combination, a pair of tracks adapted for securement in parallel disposition upon opposite sides of a window, shade-supporting run-

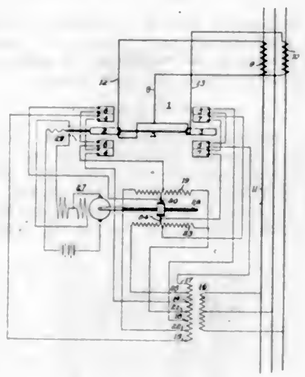
ners disposed for movement longitudinally of and upon the tracks, and means for shifting the runners in unison upwardly and downwardly upon the tracks to selectively locate the supported shade relatively to the window, said means comprising a series of three pulleys mounted for rotation in spaced relation upon said tracks, a first cord having engagement with both said runners and reeved about all three said pulleys, and a second cord having engagement with one only of said runners and reeved about two only of said pulleys, both said cords having free ends loosely depending at one and the same side of the window.

1,580,449. SIDE-LASTING MACHINE. CHARLES B. SPALSBURY, St. Louis, Mo., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 5, 1923. Serial No. 630,131. 3 Claims. (Cl. 12—7.)



1. Apparatus for lasting and trimming shoe upper materials, comprising lasting devices adapted to engage, force, and hold upper materials into lasted postion in the marginal recess of a shoe sole, upper trimming means mounted in said lasting devices and reciprocable longitudinally thereof, and means for reciprocating said trimming means while the lasting devices are held stationary whereby upper materials held in lasted position by the lasting devices are trimmed and cut.

1,580,450. ELECTRICAL MEASURING INSTRUMENT. HARRY P. SPARKES, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 29, 1921. Serial No. 518,739. 6 Claims. (Cl. 172—245.)



2. In a power-factor meter, the combination with a movable current coil, of a pair of power-component coils and a pair of reactive component coils arranged with one coil of each pair on each side of said current coil, a power-component coil being next to the current coil at one side and a reactive-component coil being next to the current coil at the other side.

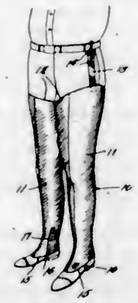
1,580,451. MANUFACTURE OF HYDROGEN SULPHIDE. FREDERICK W. SPERR, Jr., Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1921, Serial No. 458,367. Renewed July 3, 1925. 7 Claims. (Cl. 23—181.)

4. In a process of producing hydrogen sulphide, the combination of steps that consists in: passing a gas containing hydrogen sulphide through a non-volatile alkali-metal sulphide solution to absorb the hydrogen sulphide from the gas; and then recovering the hydrogen sulphide from such solution; substantially as specified.

1,580,452. RECOVERY OF HYDROGEN SULPHIDE. FREDERICK W. SPERR, Jr., Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1921, Serial No. 520,810. Renewed July 3, 1925. 7 Claims. (Cl. 23—181.)

7. The process of producing hydrogen sulphide which consists in: passing a hydrogen-sulphide bearing gas into contact with a suspension of alkaline earth compound having an alkaline reaction to absorb the hydrogen sulphide from the gas; and then regenerating the suspension containing the absorbed hydrogen sulphide for further absorption of hydrogen sulphide by subjecting said suspension to a heating operation to liberate the absorbed hydrogen sulphide; substantially as specified.

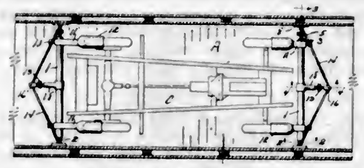
1,580,453. TROUSER PROTECTOR. ARCHIBALD WILLIAM CHARLES STENTIFORD, New York, N. Y. Filed Jan. 30, 1924. Serial No. 689,506. 1 Claim. (Cl. 36—2.)



A trouser protector comprising a leg encircling portion of waterproof material open at both ends, the top of the outer side wall extending above the top of the inner side wall whereby the outer side wall is adapted to extend approximately to the hips of a wearer and the inner side wall adapted to terminate at the crotch, a strap having one end fixedly connected at the top of the outer wall and provided with spaced loops for accommodating the belt of a wearer for suspending the protector from the waist of a wearer, a slit extending from the lower open end of said leg encircling portion on the inner side thereof for allowing the foot of a wearer to pass therethrough when donning the protector, male and female elements respectively carried by the meeting walls of the slit for co-acting engagement for closing and sealing said slit, and a strap bridging the lower open end of said leg encircling portion for engagement about the foot of a wearer.

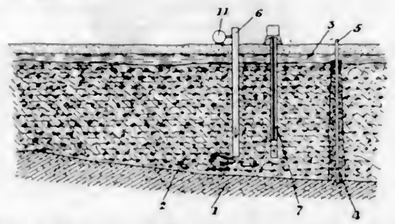
1,580,454. CARGO BINDER. MAX STURM, Jr., Keyport, N. J. Filed Jan. 2, 1925. Serial No. 206. 3 Claims. (Cl. 105—368.)

1. A device of the class described comprising a rod having a threaded socket in one end thereof, a threaded member engaging said socket, said member and rod each having its outer end rounded, plates having recesses therein for receiving the rounded ends, a nut-shaped head on the threaded member for permitting it to be turned,



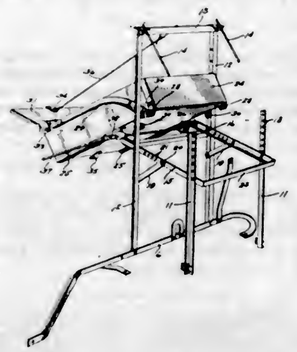
stay rods detachably connected with the plates, a part to which the inner ends of the stay rods are connected and means for adjustably connecting said part to the rod.

1,580,455. METHOD OF COLLECTING AND STORING NATURAL COLD. JOHN C. SWAN, Marietta, Ohio. Filed Aug. 22, 1925. Serial No. 51,889. 8 Claims. (Cl. 62—172.)



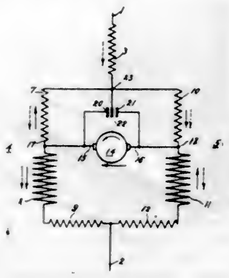
1. A method of collecting and storing cold, which consists in introducing relatively cold water into a subterranean body of detritus consisting of integrals of solid material with voids between them adapted to contain water, and continuing to introduce the cold water until the temperature of the solid material is reduced materially below its initial temperature.

1,580,456. CORN-CARRYING ATTACHMENT FOR CORN PICKING AND HUSKING MACHINES. BERNHARD J. SYNSTELIEN, Fonda, Iowa. Filed Sept. 3, 1925. Serial No. 54,244. 7 Claims. (Cl. 214—38.)



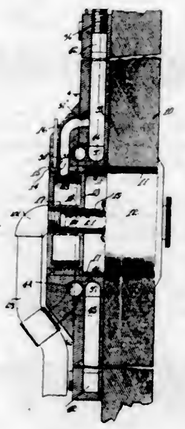
1. The combination with a frame, of a traveling carrier mounted for movement to and from reversely inclined positions, a pair of oblique rails on which said carrier travels when in one of its inclined positions, guides on the carrer, abutments on the frame with which said guides move to support the carrier when in its other inclined position and guide the same from one inclined position to the other, and propelling means for the carrier.

1,580,457. MOTOR-CONTROL CIRCUITS. VICTOR H. TODD, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 24, 1924. Serial No. 722,172. 6 Claims. (Cl. 172—179.)



2. A motor-control circuit comprising parallel-field-magnet-winding circuits, an armature connected between equi-potential points in the field-magnet-winding circuits and means for alternately shunting a portion of one of said field-magnet-winding circuits and a portion of the other for reversing the direction of rotation of the armature.

1,580,458. SAFE AND VAULT DOOR PROTECTOR. ALBERT C. TOWNSEND, Burlington, Kans. Filed Oct. 14, 1924. Serial No. 743,585. 8 Claims. (Cl. 109—6.)

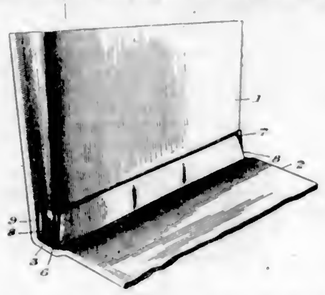


1. The combination with the door of a safe and its combination mechanism, of a protector including a container for poisonous gas, and means for releasing the gas upon movement of said combination mechanism in either direction transversely through the door, and means for conveying the gas into close proximity to the front of said door.

1,580,459. BINDER. THOMAS WESTLAND, Ridgway, Pa. Filed May 20, 1924. Serial No. 714,667. 1 Claim. (Cl. 129—37.)

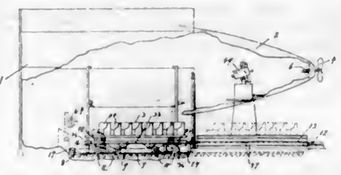
A binder comprising a cover element; a filler element slidable within the cover element; and stop means on one of the elements to limit movement in one direction of the filler element; said filler element comprising a back, and a pair of clamping sides extending from the back in substantially parallel relation and adapted to

yieldingly retain a batch of loose leaves, and said cover element comprising a back, a pair of clamping sides extending in converging relation from the back and adapted to exert a clamping action of greater degree on



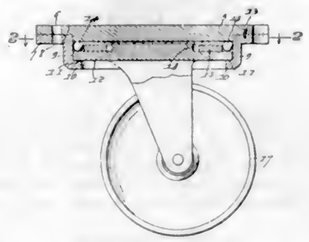
the leaves through the clamping sides of said filler element, and a cover member fixed to the back and extending past said sides to overlie the sheets of the filler element when said elements are assembled.

1,580,460. AMUSEMENT APPARATUS. DAVID S. WILLEFORD, Alameda, Calif. Filed Oct. 6, 1922. Serial No. 592,808. 1 Claim. (Cl. 272—16.)



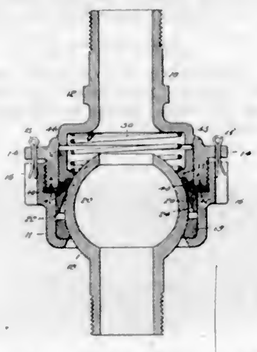
As an advertising means for an amusement device creating in a closed structure the illusion of travel, a body projecting outside of the structure resembling the front portion of an airship, the said body being mounted relative to a carriage conducting passengers into the closed structure in simulation of a customary arrangement of an airship relative to its carriage.

1,580,461. CASTER. RALPH M. WOLFE, Lancaster, Pa. Filed Feb. 7, 1923. Serial No. 617,601. 1 Claim. (Cl. 16—21.)



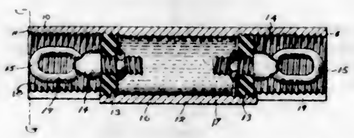
As an article of manufacture, a furniture caster comprising a plate having a reduced margin, a central portion of greater thickness than the margin and apertures for attaching the plate to an article of furniture, said apertures being in spaced relation to each other, a connecting member attached to the plate and provided with apertures which register with the apertures through the margin of the plate, a rim member which overlies the reduced margin of the plate, said rim having an inward extending lower portion appropriately spaced from the plate, a caster carrying member having a raised central portion, a spacing ring located in an intermediate portion of the chamber formed between the plates, said spacing ring having in each margin ball receiving recesses, inner and outer series of balls which are held spaced by the recesses and engage with the plates of the caster carrying frame and with the plate attached thereto.

1,580,462. SLEEVE-TYPE BALL JOINT. LEONIDAS D. WOODRUFF, Chicago, Ill., assignor to Adeline R. Woodruff, Chicago, Ill. Filed June 26, 1922. Serial No. 570,789. 15 Claims. (Cl. 285—95.)



2. In a gasketed ball joint, a floating ring and a forming sleeve adapted to engage opposite sides of said gasket, said ring having a conical ball engaging face.

1,580,463. INSULATOR. LEON H. BEAN, Pawtucket, R. I. Filed Feb. 24, 1923. Serial No. 620,997. 3 Claims. (Cl. 173—28.)



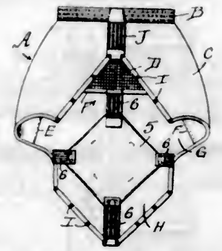
1. An insulator comprising a shell, having its ends internally screw-threaded, spaced heads of insulating material respectively threaded into said ends, the space between said heads defining a chamber, a connector carried by each head and extending on opposite sides thereof, each connector having an eye extending exteriorly from the heads, said shell having interiorly corrugated end walls.

3. An insulator comprising a shell having spaced heads of insulating material defining a chamber for the reception of oil, and connectors carried by said heads and each having one end extending into said chamber, substantially as and for the purpose specified.

1,580,464. COMBINED SANITARY SHIELD AND RECEPTOR. FRANCES HYMAN BLUMENFELD, Richmond, Calif. Filed Oct. 12, 1922. Serial No. 594,126. 2 Claims. (Cl. 128—288.)

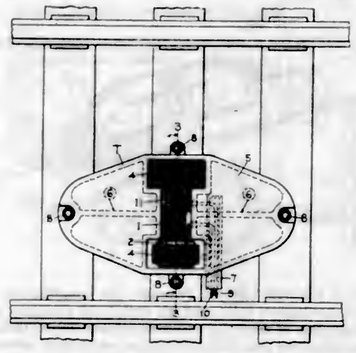
1. In a combined sanitary shield and receptor, a hip and leg encircling garment made of sheet rubberized material having an elastic waist band, a combined crotch and releasable front flap terminating forward and upwardly in a relatively large V detachably connected to the adjacent parts of the garment below the waist band, spaced means on the inner side of the said flap for

securing to the four corners of a substantially square absorbent pad, said means comprising four straps each secured at one end to the flap and having a free end for attaching the pad, two of said straps being arranged



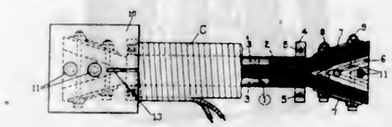
in the vertical medial line of the garment and the other two at right angles thereto all substantially equally spaced from the lower central point of the garment and whereby a square pad will be held in a diagonal position relative to the body of a wearer.

1,580,465. AUTOMATIC TRAIN-CONTROL TRACK ELEMENT. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Gates N. Y., a Corporation of New York. Filed Dec. 7, 1921. Serial No. 520,683. 17 Claims. (Cl. 246—63.)



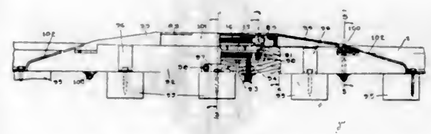
1. A track device for cooperating with a car-carried device to convey a controlling influence from the trackway to the moving vehicle in a train control system comprising, a non-magnetic casing, a track element in said casing coated with a thick layer of insulating compound, and plastic material moulded between said casing and element to firmly hold the element in position.

1,580,466. TRAIN-CONTROL COMMUNICATING ELEMENT. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Feb. 25, 1924. Serial No. 694,993. 12 Claims. (Cl. 246—63.)



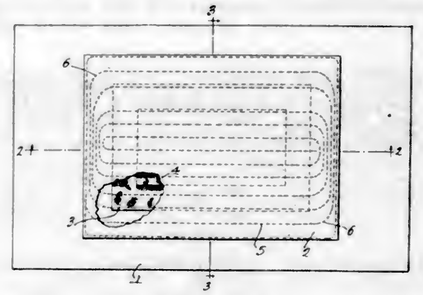
1. A core structure for influence communicating apparatus for automatic train control systems comprising, a stack of laminæ of magnetic material fastened together along an intermediate portion and having its ends spread out into a plurality of branches, and pole pieces fastened to the branched portion of said laminæ.

1,580,467. TRAIN CONTROL. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Original application filed Jan. 20, 1922, Serial No. 531,903. Divided and this application filed Aug. 15, 1924. Serial No. 732,222. 22 Claims. (Cl. 246—63.)



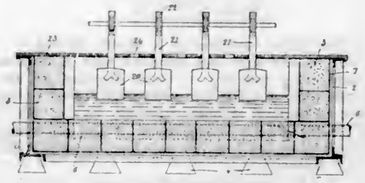
1. A track element for transmitting control influences for automatic train control systems comprising, a non-magnetic casing, pole pieces supported from said casing in the plane of one surface thereof, a U-shaped laminated core supported from said pole pieces and a winding on the back yoke of said U-shaped core.

1,580,468. BLOW-OUT SHOE. ALVA HEYWOOD COOPER, Atlanta, Ga. Filed June 17, 1925. Serial No. 37,758. 2 Claims. (Cl. 152—24.)



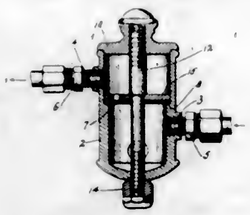
1. A blow out shoe comprising a body, a cover, a plurality of superposed layers disposed between the body and the cover, the smallest of said layers being disposed next to the cover, and the cover being of less area than the body, said layers being of progressively decreasing areas and being housed completely by the cover, and means for securing together the body, the cover, and said layers.

1,580,469. APPARATUS FOR THE MANUFACTURE OF EARTH METALS. HENRI DOLTER, Limoges, France. Filed Oct. 27, 1924. Serial No. 746,149. 8 Claims. (Cl. 204—19.)



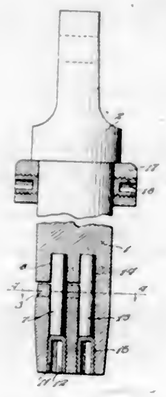
1. In an electrolytic tank for the manufacture of earth metals, the combination of tubes extending through the tank, means for supplying a combustible gas to said tubes, means for supplying compressed air to said tubes and a granular and porous refractory substance within said tubes, whereby a flameless combustion is obtained.

1,580,470. GASOLINE FILTER AND SEPARATOR. JOHN B. DUBY, Canton, Mass. Filed Nov. 11, 1922. Serial No. 600,293. 2 Claims. (Cl. 210—165.)



1. A device of the character described comprising a hollow body, an inlet opening into the lower part of said body, an outlet leading from the upper part of said body, a filter positioned between said inlet and outlet, said body having an open top with a tapered seat therein, an imperforate cover having a tapered portion to fit in said seat, a rod having its upper end secured in said cover and extending longitudinally through said body, and a nut having a tapered end to engage a correspondingly shaped seat in the lower side of said body and having a threaded engagement with said rod, whereby it is operative to draw said cover snugly into its seat.

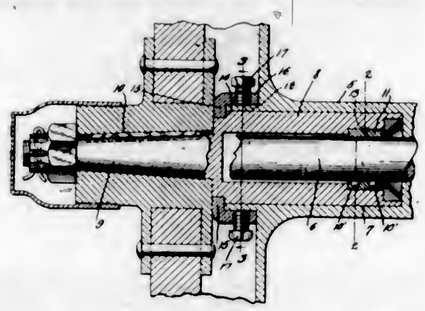
1,580,471. FLUE CUTTER. JOAN A. DUCA, Shawnee, Okla., assignor of one-half to Henry J. Mackey, Oklahoma City, Okla. Filed Dec. 10, 1923. Serial No. 679,788. 4 Claims. (Cl. 81—194.)



1. A flue cutter comprising a shank having a transverse slot in one side and provided with a longitudinal bore transecting the slot, a blade disposed at one end within the slot, a pivot pin removably seated within the bore and extending through the said end of the blade, and a retaining plug independent of the pin removably seated within the end of the bore and confining the said pivot pin therein.

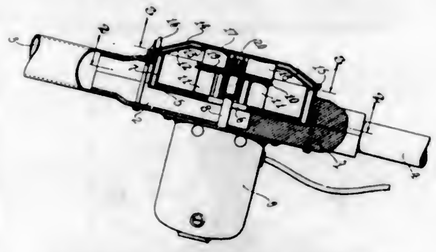
1,580,472. AXLE. SAMUEL O. DUEMLER, Phoenix, Ariz. Filed Sept. 22, 1923. Serial No. 664,274. Renewed Feb. 23, 1926. 2 Claims. (Cl. 301—130.)

1. An emergency axle including a tubular section and a stud axle section, said tubular section adapted to be fitted over an axle to support the emergency axle, a securing sleeve within the tubular section and having balls so disposed as to engage the axle supporting the tubular section, said balls adapted to set up a binding action to



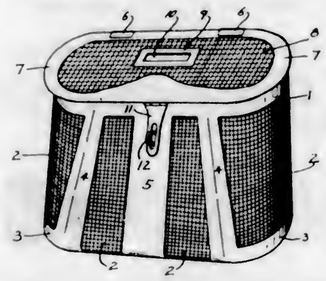
secure the tubular section to an axle, and means for restricting movement of the tubular section longitudinally of the axle supporting the same.

1,580,473. METHOD AND MEANS FOR SEPARATING DUST FROM AIR. JOHN B. DYER, Ferguson, Mo. Filed Nov. 25, 1922. Serial No. 603,166. 8 Claims. (Cl. 183—77.)



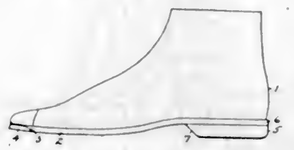
1. In a portable suction sweeper, the combination with a casing having an inlet and an outlet, of rotating blades for producing a rotating annulus of air and stationary blades extending into the rotating annulus and conveying air to said outlet.

1,580,474. BAIT CREEL. EMIL ECKENBRECHT, Dayton, Ohio. Filed Dec. 21, 1925. Serial No. 76,648. 3 Claims. (Cl. 43—55.)



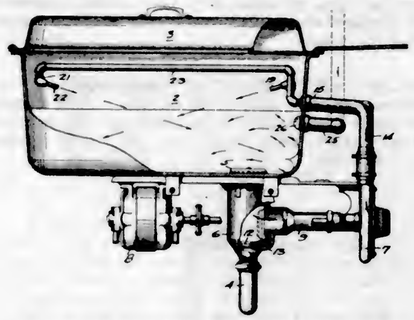
2. A bait creel comprising a wire-netting basket substantially elliptical in longitudinal section, a marginal band around the top edge of said netting, a semi-circular plate having an upturned flange reinforcing each bottom end of the basket, a flat rib projecting upwardly, in an inclined manner, along the wire netting from each inner corner of said plate to the top marginal band, the front portion of said band being lower than its rear part, and a meshed cover having a central slot hingedly secured to the rear portion of said band.

1,580,475. BOWLING SHOE. FRANK FARNAN, Fort Wayne, Ind. Filed Jan. 2, 1925. Serial No. 64. 4 Claims. (Cl. 36—59.)



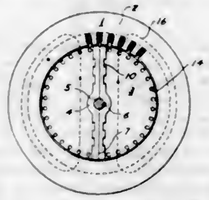
1. In a bowling shoe, a rubber heel having longitudinal channels in its tread surface and having its forward end bevelled upwardly and forwardly from the lower edge to the upper edge thereof.

1,580,476. WASHING APPARATUS. JULIUS FASSIO, San Francisco, Calif. Filed July 28, 1923. Serial No. 654,488. 6 Claims. (Cl. 259—95.)



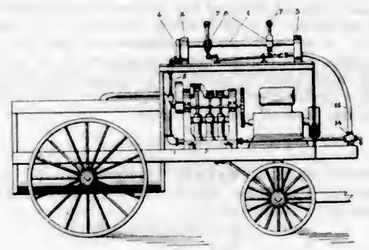
1. A washing apparatus comprising a sink, means for withdrawing water from the sink and forcibly returning it to the sink, and nozzles extending longitudinally of the sink adjacent the top thereof and arranged adjacent the side of the sink, through which the water discharges into the sink to cause longitudinal movement and agitation of the body of water in the sink.

1,580,477. REACTION SYNCHRONOUS MOTOR. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1923. Serial No. 610,777. 2 Claims. (Cl. 172—120.)



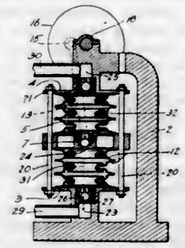
1. In a synchronously operating dynamo-electric machine, a polar construction comprising a plurality of stacks of segmental laminations of magnetizable material, a plurality of radially and longitudinally disposed supporting plates of non-magnetizable material disposed between said stacks and keyed to the ends of the segmental laminations, and a non-magnetizable connecting member united to said non-magetizable supporting plates and rigidly joining the same together.

1,580,478. ATTACHMENT FOR AUTOMATICALLY OPERATING SPRAYING GUNS OF POWER-DRIVEN SPRAYING PUMPS. GEORGE B. FOX and JOE G. CHRISTIAN, Wolcott, N. Y. Filed May 23, 1925. Serial No. 32,488. 7 Claims. (Cl. 299—37.)



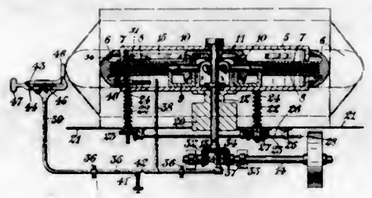
1. In an attachment for automatically directing and controlling the spray of power driven spraying pumps, the combination of an oscillating shaft oscillated on the operation of the pump, a spraying gun mounted on said oscillating shaft, a valve carried by the spraying gun, a stationary lug, and means connecting said valve with said stationary lug to operate said valve to shorten and lengthen the spray from said gun at each oscillation thereof.

1,580,479. DIAPHRAGM PUMP. BUDD FRANKENFIELD, Los Angeles, Calif. Filed Dec. 27, 1924. Serial No. 758,349. 4 Claims. (Cl. 103—148.)



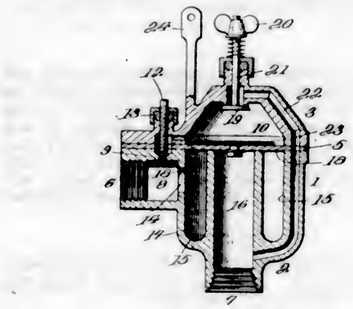
1. A pump comprising a series of bellows elements, inlet and outlet means provided with check valves at the respective ends of the series of bellows elements, a reciprocating member connected at an intermediate portion in said series of bellows elements and dividing the space within said bellows elements into two pump chambers, said reciprocating member being provided with a check valve controlled passage for controlling communication between said two pump chambers, and the bellows elements enclosing the pump chamber nearer the inlet means being of larger diameter and greater length but less in number than the bellows elements enclosing the pump chamber nearer the outlet means.

1,580,480. TIRE-SHAPING MACHINE. CLAUDE MARIE GAUTIER, London, England. Filed Nov. 14, 1923. Serial No. 674,687. 9 Claims. (Cl. 154—9.)



1. In a shaping machine for tire bands the combination of an expansible core, mechanism arranged to expand and contract it at will, driving means for operating said mechanism, and control means arranged to be operated by the core when in one of its extreme positions and arranged automatically to disengage the core-operating mechanism from the driving means.

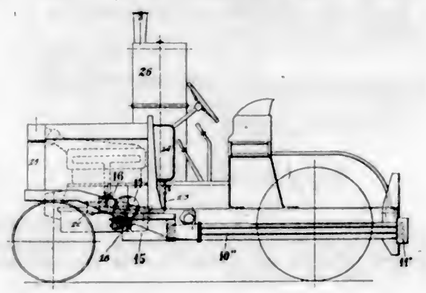
1,580,481. FLUSH VALVE. ARTHUR L. P. GAVIN, Scranton, Pa. Filed Nov. 1, 1921. Serial No. 511,986. 1 Claim. (Cl. 137—93.)



A valve comprising inner and outer integral cylindrical bodies having their major portions spaced from each other to form an annular cushioning chamber, the outer body being formed with a lateral inlet branch and the inner body being formed with an outlet branch, a cap entirely covering said inner and outer bodies and secured to said outer body and having a chamber, a diaphragm confined betwen said cap and said bodies and dividing said first and second-named chambers, said diaphragm being normally in engagement with the entire surface of the upper ends of said bodies and being provided with a central reinforcing plate in line with said inner cylindrical body, there being a by-pass between said inlet branch and the chamber of said cap, means controlling the flow of fluid through said by-pass, said outer body and said cap being provided with a by-pass between the outlet branch and the chamber in said cap, and means controlling the flow of fluid through said second-named by-pass.

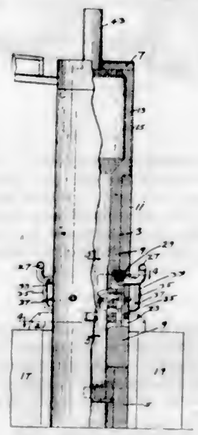
1,580,482. PROCESS AND DEVICE FOR THE PRODUCTION OF PRODUCER GAS USED FOR PROPELLING VEHICLES. JEAN GOULET, Vierzon, France, assignor to Societe Anonyme: Societe Francaise de Materiel Agricole & Industriel, Vierzon, France. Filed Aug. 21, 1922. Serial No. 583,424. 2 Claims. (Cl. 123—3.)

1. In a motor vehicle, in combination, an internal combustion engine, a fuel mixture reducing tank, an inverted combustion generator in the tank, an ash pit at the bottom of the generator, a hopper at the top of the generator, a chimney extending from the top of the hopper and directly communicating with the generator, means for regulating the cross-sectional opening of the chimney, a rear junction box, a series of tubes communicating respectively with the generator ash pit and the rear junction box, a casing surrounding said tubes, means for creating a water circulation about the series of tubes



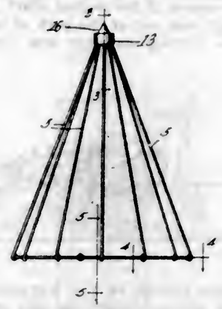
in said casing, other tubes establishing communication between the casing and the vehicle radiator and the water jacket of the engine cylinders, another series of tubes extending from the rear junction box, these tubes being in contact with the atmosphere and a sleeve connecting said last mentioned series of tubes with the intake manifold of the engine.

1,580,483. KILN. HENRY F. GRUETZEMACHER, Jr., Kimmswick, Mo., assignor to Glencoe Lime & Cement Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 8, 1923. Serial No. 667,334. 2 Claims. (Cl. 222—3.)



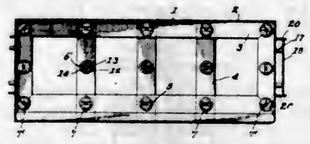
1. In apparatus of the class described, in combination, a kiln combining a combustion chamber adjacent the lower part of the kiln, means for supplying fuel to said chamber, means for supplying air to said chamber, and means for heating said air prior to delivering it to said chamber, said third means comprising a heating chamber within the walls of the kiln above the combustion chamber, a conduit outside the kiln for conducting the heated air from the heating chamber down to the combustion chamber, means for controlling the velocity of the air in said circuit, and another means in said circuit for controlling the temperature of said air independently of the velocity controlling means.

1,580,484. GUARD FOR POULTRY-FEED VESSELS. CARL A. HADLAND, Plainview, Minn. Filed June 4, 1924. Serial No. 717,788. 1 Claim. (Cl. 119—51.)



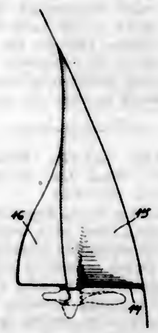
A guard of the class described comprising a supporting ring section, supporting wires secured to the ring and arranged in spaced relation with each other, a thimble embodying an outer wall and an inner wall defining spaces, the upper ends of the supporting wires adapted to be held in the spaces of the thimble, and a plug held within the thimble.

1,580,485. MOLD. FRANK R. HAHN, Decatur, Ill. Filed June 5, 1924. Serial No. 717,974. 15 Claims. (Cl. 25—118.)



1. A mold of the character described including a main frame or body having vertically extending flanges entirely therearound, cut-out and reinforcement supporting means mounted therein, a false bottom inserted in said mold and having apertures to fit over said cut-out and reinforcement supporting means, said false bottom being frictionally supported within said frame or body.

1,580,486. GUIDING ARRANGEMENT FOR THE PROPELLER CURRENT OF SHIPS. HANS HASS, Bergedorf, near Hamburg, Germany. Filed Oct. 3, 1923. Serial No. 666,405. 4 Claims. (Cl. 115—34.)

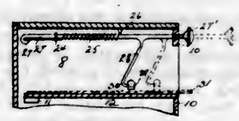


1. An arrangement for guiding the propeller current of multiple-propeller ships, comprising a shaft housing uninterruptedly integral with the adjacent plates of the hull of the ship and including a bearing portion and a web portion, and curved surfaces on the said web portion with the rear end turned in the direction opposed to the direction of the movement of the propeller blades, substantially as and for the purpose set forth.

1,580,487. BAKING PROCESS. HARRY M. HEIMERDINGER, Blackfoot, Idaho. Filed Oct. 21, 1925. Serial No. 63,864. 4 Claims. (Cl. 99—10.)

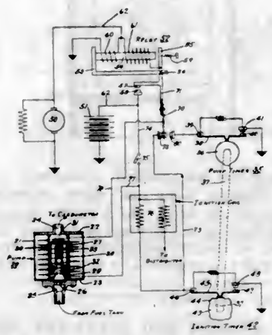
4. That improvement in the making of bread and the like which comprises incorporating in the dough a non-hygroscopic comminuted product consisting of the cooked and dried pulp portion of a farinaceous vegetable and containing a relatively high proportion of water, altered starch, proteins, and capable of absorbing a large amount of water.

1,580,488. BAG DISPENSER. JAMES H. HENSON, Foster, Okla. Filed May 11, 1925. Serial No. 29,419. 1 Claim. (Cl. 211—8.)



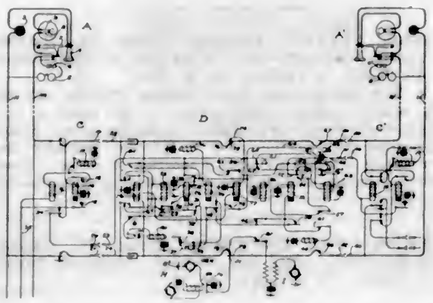
In an apparatus for dispensing a single sheet of material from a stack of varying heights, the combination of a casing, bearings fixed in said casing, a rod mounted in said bearings and having one end thereof projecting from said casing, an arm integral with and carried by said rod and extending downwardly therefrom, means for permitting said rod and arm to be rotated and reciprocated, a gripping member carried on the end of said arm, and means for normally holding said gripping device in contact with a sheet of the material to be dispensed.

1,580,489. FUEL-SUPPLY SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 3, 1923. Serial No. 678,127. 10 Claims. (Cl. 290—41.)



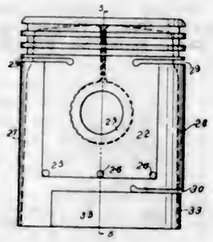
1. A fuel supply device for an internal-combustion engine comprising in combination, an electromagnet pump; a plurality of means for causing the pump to be energized intermittently at different frequencies relative to engine operations; and means controlled by the speed of the engine for selecting one of said pump-controlling means.

1,580,490. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, New York, N. Y., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 12, 1919. Serial No. 276,624. 7 Claims. (Cl. 179—18.)



1. In a telephone system, a link circuit having talking conductors and terminating in an automatic switch, means for operating said switch to connect said conductors with the conductors of a called line, a switching relay controlling normally open contacts in said link-conductors, a test relay for testing called lines, a test wiper, a slow acting relay energized during the operation of said switch and for an instant thereafter, and circuit connections whereby when said slow acting relay is energized the test wiper is connected to said test relay through contacts of said slow relay and whereby when said slow acting relay is deenergized said test wiper is connected to said switching relay.

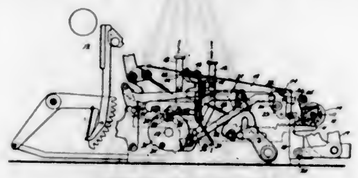
1,580,491. PISTON. FRANK JARDINE and FERDINAND JEHLE, Cleveland, Ohio, assignors, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio, a Corporation of Delaware. Filed May 2, 1921. Serial No. 466,371. 6 Claims. (Cl. 74—108.)



1. A piston for an internal combustion engine comprising an integral head and skirt, cylinder engaging bearing walls in the skirt, and a yieldable portion in one of the said bearing walls varying in wall thickness in the direction of its circumferential length from a maximum at its point of support to a minimum at its free end.

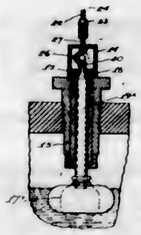
1,580,492. NONADD AND TOTAL-KEY MECHANISM FOR LISTING MACHINES. OLIVER D. JOHANTGEN, Lake Bluff, Ill., assignor to Victor Adding Machine Co., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,386. 12 Claims. (Cl. 235—60.)

5. In a calculating machine, the combination with a movable accumulator, an oscillating plate controlling the movements of the accumulator and an oscillating control shaft, of a pair of spaced crank pins moving with the control shaft, a pair of links having a common pivotal connection with the said oscillating plate, one of the links being formed at its free end for abutting engagement with one of the crank pins at the beginning of the return movement of the control shaft, a non-add key for shifting said link out of the path of said crank pin, a total key for shifting the other link, oppositely facing



spaced shoulders formed on the last-mentioned link to be engaged in alternation by the said two crank pins only when the said last-mentioned link has been shifted by the total key, and another shoulder formed on the said last-mentioned link to be normally engaged by the same crank pin engaging the first separately mentioned link near the end of the return movement of the control shaft.

1,580,493. AUTOMATIC WATER SUPPLY FOR WET BATTERIES. OSCAR H. JOHNSON, Chicago, Ill. Filed Nov. 12, 1924. Serial No. 749,399. 2 Claims. (Cl. 137—68.)

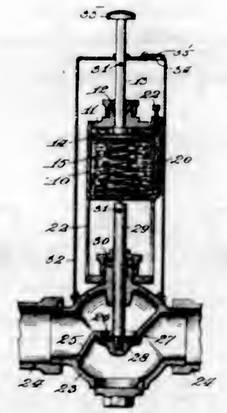


2. In combination with a wet battery an automatic water supplying means therefor consisting of an elevated water supply reservoir; a conduit leading therefrom, a pipe member mounted in the battery casing connected at its outer end with the conduit and at its inner end open for liquid communication with the water space of the battery casing; a valve controlling communication of the conduit with said pipe member and a float operatively connected with the valve for seating the same against flow into the water space of the battery at a predetermined high level of water therein, the valve having a hollow stem whose cavity is connected with the cavity of the float, and the float being an inflatable bag, whereby the same may be inflated through the stem.

1,580,494. FLUSHING VALVE. WILLIAM L. JONES, Los Angeles, Calif. Filed Jan. 3, 1925. Serial No. 323. 1 Claim. (Cl. 137—93.)

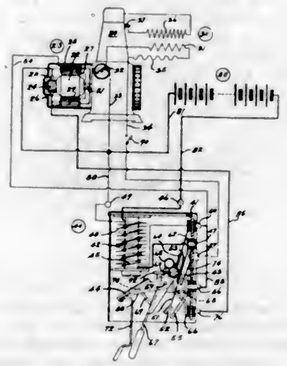
The combination with a liquid flow control valve housing, its valve and valve stem, of a support mounted on the valve housing and extending upwardly therefrom, a container for heavy liquid carried by said support above the valve stem, a piston within said heavy liquid container, a compression spring beneath said piston, an upwardly opening check valve carried by said piston, the wall of the liquid container having a duct that leads from the top of the chamber in said container to the bottom thereof, means for regulating the flow of liquid through said duct, a push rod secured to said piston and

projecting through the top of the heavy liquid container, a yoke connecting said push rod with the upper portion of the valve stem and a housing secured to the valve housing for enclosing the heavy liquid container and the



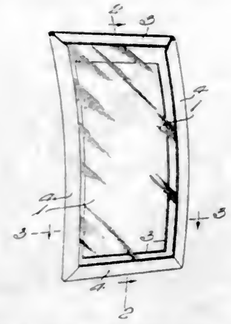
support therefor, which housing is provided in its upper portion with an opening for the purpose of affording access to the liquid flow regulating means and with a centrally arranged opening for the accommodation of the push rod.

1,580,495. ELECTRICAL APPARATUS. LESTER S. KEILHOLTZ, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,331. 5 Claims. (Cl. 290—35.)



2. An electrical generating system comprising in combination, an engine; a dynamo connected therewith, said dynamo being adapted to operate as a motor for cranking the engine and as a generator driven by the engine, said dynamo including starting and running windings; and a unitary switch structure including means for manually rendering either the starting or running winding operative for motoring operation, and electrically operated means for maintaining the running winding operative during generating operation.

1,580,496. FILM-NEGATIVE HOLDER. ROBERT L. KELLY, Pierre, S. Dak. Filed June 15, 1925. Serial No. 37,275. 3 Claims. (Cl. 95—102.)

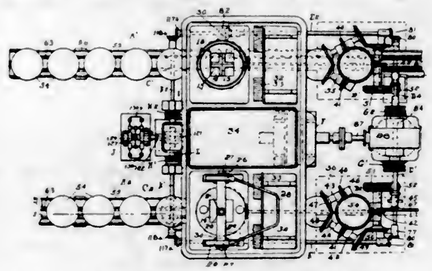


1. In a device for holding a film negative while retouching the same, a convex film negative support, and means for holding a film negative tightly against said support.

1,580,497. SPRING ARCH SUPPORT. LOUIS KLEIN, New York, N. Y. Filed Oct. 10, 1924. Serial No. 742,734. 1 Claim. (Cl. 36—71.)

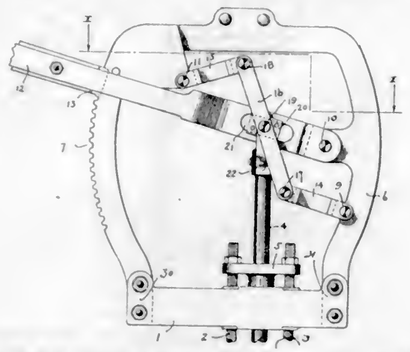
The combination in a shoe, of an arch support of the character described comprising a base plate extending from the heel to the ball portion of the sole and shaped to conform to the shank of the said shoe, the front or anterior section of the plate having an elliptical, transverse elevation and the edge of said plate being notched whereby it may expand, a narrow arch plate overlying the base plate and a spring interposed between the said base and arch plates.

1,580,498. PORTIONING MACHINE. LUTHER L. KNOX, Bellevue, and WILLIAM H. LEWIS, Pittsburgh, Pa. Filed May 27, 1922. Serial No. 564,117. Renewed Sept. 17, 1925. 32 Claims. (Cl. 31—6.)



1. In a machine for forming and dispensing individual portions of butter and similar substances, the combination of a vertically disposed dispensing tube adapted to contain a bar of the product to be portioned, mechanism for causing the lower end of said bar to be extruded and the extruded portion of said bar to be sliced off to form portions, mechanism for presenting empty containers in position to receive the sliced-off portions and for moving the loaded containers into a dispensing position, and means whereby the removal of a loaded container from the dispensing position causes all of said mechanisms to be put into operation.

1,580,499. VALVE-CONTROL MECHANISM. JOHN KRUTTSCHNITT, San Francisco, Calif. Filed May 13, 1925. Serial No. 29,880. 2 Claims. (Cl. 74—14.)

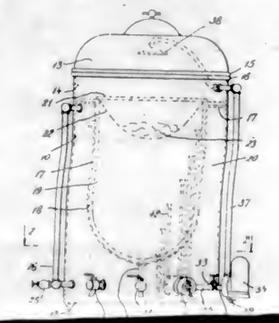


1. Valve control mechanism comprising a rod adapted to be connected to a valve, a frame having a bearing for said rod, an operating lever of the second order pivoted to said frame and means for locking said lever in any of its adjusted positions, a block constrained to move with but free to slide with respect to said lever a floating link, a pair of links each pivoted at one end to said frame and at the other end to opposite ends of a floating link and a pivot between the ends of said floating link and engaging said block and said rod.

1,580,500. PROCESS OF MAKING COMPRESSED YEAST. REINHOLD KUSSEROW, Oakland, Calif. Filed May 8, 1924. Serial No. 711,883. 2 Claims. (Cl. 195—20.)

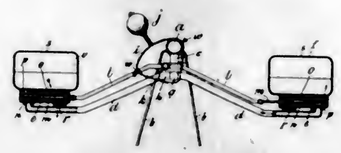
1. The process of preparing a nutrient solution for the manufacture of yeast from molasses containing lactic acid bacteria which consists in diluting the substance with water to approximately 20° B., in adding an acid to the solution sufficient to acidify it without sterilizing the same, in incorporating a thio-sulfate and in adding yeast nutriments while maintaining the solution at ordinary temperatures.

1,580,501. LIQUID-MEASURING DEVICE. VICTOR LAMBERT, Brooklyn, N. Y., assignor to Aaron M. Sloss, New York, N. Y. Filed Dec. 21, 1923. Serial No. 681,923. 8 Claims. (Cl. 53—3.)



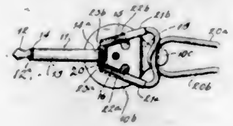
partment and having a connection with the outlet, this device having a plurality of inlets disposed at different heights within the water compartment, and an operating handle for the device disposed outside the water compartment and movable to different positions to connect a selected inlet to the outlet.

1,580,502. MECHANISM FOR AUTOMATIC TURNING OF IRRIGATING PIPES. LAURITS THORVALD LARSEN, Lumby Mark, Denmark. Filed Mar. 26, 1923. Serial No. 627,904. 6 Claims. (Cl. 299—64.)



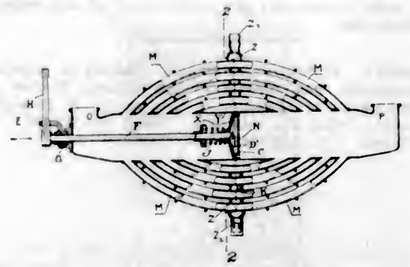
1. In combination, a perforated water pipe mounted for oscillation, a feed pipe fixed to and depending from the perforated pipe, a cross pipe having its intermediate portion rigidly connected to the depending pipe, a pivot pin fixed to one of the two last mentioned pipes and spaced from the perforated pipe, a balance vessel arranged at each end of the cross pipe and adapted to receive liquid from the latter, a valve for controlling the admission of fluid to and the discharge of fluid from each of said vessels, a member mounted on said pivot pin, rods pivotally connecting said member to said valves, and a counterweight connected to said member for causing actuation of the valves, the one to open and the other to closed position, after one or the other of said vessels has tipped a predetermined amount.

1,580,503. ELECTRICAL CONNECTING PLUG. PHILIP LAUTER, New York, N. Y., assignor to Polymet Manufacturing Corporation, a Corporation of New York. Filed May 10, 1924. Serial No. 712,201. 8 Claims. (Cl. 173—361.)



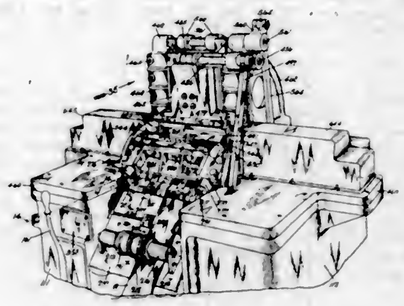
1. In a connecting plug, a two part insulating body having a recessed extension portion on each part the recesses in said portions forming a through opening and adapted to receive cord conductors, the adjacent faces on each part having spaced grooves adapted to receive a portion of a stem with contact members of a plug, and to form, when said parts are assembled, free passages and inlets, said passages and inlets adapted to have in-

1,580,504. VARIABLE RADIATOR. MARIO LAVA, Milan, Italy. Filed Jan. 3, 1925. Serial No. 407. 5 Claims. (Cl. 257—125.)



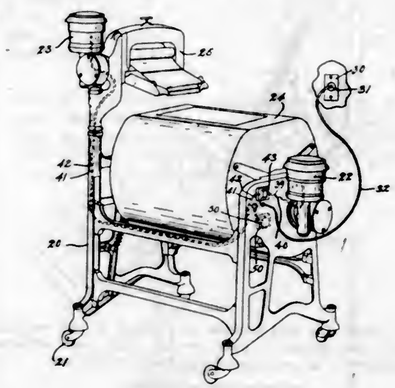
1. A variable radiator, comprising a by-pass; a valve in the by-pass dividing the interior thereof into two chambers; a group of cooling tubes providing communication between said chambers and with respect to which tubes the by-pass is centrally disposed; and means external to the radiator for operating said valve so as to control at will the quantity of circulation water which passes through said by-pass from one chamber directly to the other and thereby vary the quantity of water passing through said tubes.

1,580,505. METAL-FOLDING MACHINE. CHARLES L. LEE and THOMAS C. VAN DEGRIFT, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1924. Serial No. 712,126. 17 Claims. (Cl. 153—2.)



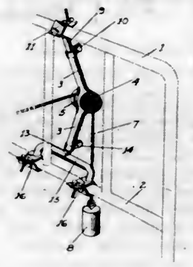
1. A machine for folding sheet material comprising, in combination, means for forming a strip of sheet material into folds; means severing a predetermined series of folds from said strip of material; and means for automatically stopping the machine when the material remaining unfolded is shorter than that required for forming a complete series of folds.

certain of said terminals for connecting the device directly with the electrical circuit, a transformer, and a second conductor member connected with the transformer and arranged to be received by the receptacle



after the first conductor member is removed for connecting said second conductor member with certain terminals whereby to connect the consuming device with the electrical circuit through said transformer.

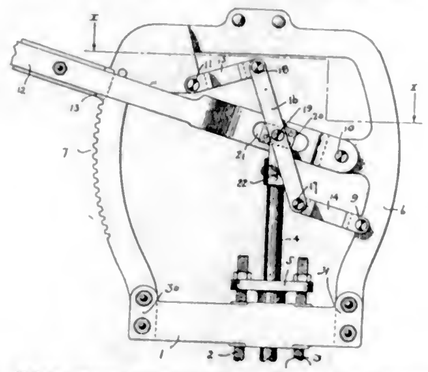
1,580,507. ATTACHMENT FOR HOSPITAL BEDS. WALTER LIDGETT and JOHN HAMLYN, Sacramento, Calif. Filed Apr. 21, 1924, Serial No. 707,867. Renewed Oct. 21, 1925. 3 Claims. (Cl. 128—84.)



1. A bed attachment for surgical purposes comprising a frame lying in a vertical plane, a pulley mounted on the frame intermediate its ends, stems adjustably mounted at opposite ends of the frame, and clamps carried by said stems at the outer ends thereof to removably engage the upper and lower horizontal bars at the end of a bed.

1,580,508. ADJUSTABLE ONE-PASSENGER SEESAW. NAPOLEON B. LILES, Black Mountain, N. C. Filed Sept. 21, 1925. Serial No. 57,711. 1 Claim. (Cl.

1,580,499. VALVE-CONTROL MECHANISM. JOHN KRUTTSCHNITT, San Francisco, Calif. Filed May 13, 1925. Serial No. 29,880. 2 Claims. (Cl. 74—14.)



1. Valve control mechanism comprising a rod adapted to be connected to a valve, a frame having a bearing for said rod, an operating lever of the second order pivoted to said frame and means for locking said lever in any of its adjusted positions, a block constrained to move with but free to slide with respect to said lever a floating link, a pair of links each pivoted at one end to said frame and at the other end to opposite ends of a floating link and a pivot between the ends of said floating link and engaging said block and said rod.

1,580,500. PROCESS OF MAKING COMPRESSED YEAST. REINHOLD KUSSEROW, Oakland, Calif. Filed May 8, 1924. Serial No. 711,883. 2 Claims. (Cl. 195—20.)

1. The process of preparing a nutrient solution for the manufacture of yeast from molasses containing lactic acid bacteria which consists in diluting the substance with water to approximately 20° B., in adding an acid to the solution sufficient to acidify it without sterilizing the same, in incorporating a thio-sulfate and in adding yeast nutriments while maintaining the solution at ordinary temperatures.

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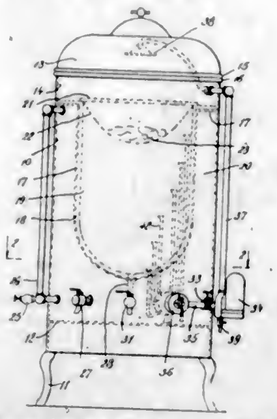
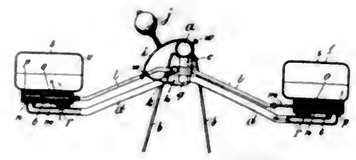


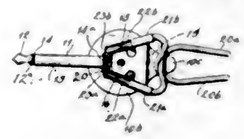
1. A coffee urn having a water compartment and a coffee compartment, an outlet from the water compartment, a measuring device disposed within the water compartment and having a connection with the outlet, this device having a plurality of inlets disposed at different heights within the water compartment, and an operating handle for the device disposed outside the water compartment and movable to different positions to connect a selected inlet to the outlet.

1,580,502. MECHANISM FOR AUTOMATIC TURNING OF IRRIGATING PIPES. LAURITS THORVALD LARSEN, Lumby Mark, Denmark. Filed Mar. 26, 1923. Serial No. 627,904. 6 Claims. (Cl. 299—64.)



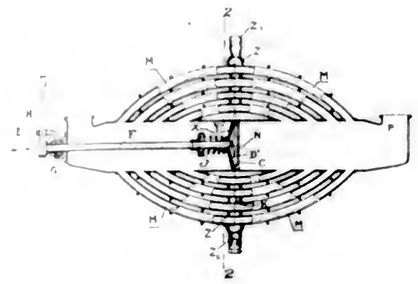
1. In combination, a perforated water pipe mounted for oscillation, a feed pipe fixed to and depending from the perforated pipe, a cross pipe having its intermediate portion rigidly connected to the depending pipe, a pivot pin fixed to one of the two last mentioned pipes and spaced from the perforated pipe, a balance vessel arranged at each end of the cross pipe and adapted to receive liquid from the latter, a valve for controlling the admission of fluid to and the discharge of fluid from each of said vessels, a member mounted on said pivot pin, rods pivotally connecting said member to said valves, and a counterweight connected to said member for causing actuation of the valves, the one to open and the other to closed position, after one or the other of said vessels has tipped a predetermined amount.

1,580,503. ELECTRICAL CONNECTING PLUG. PHILIP LAUTER, New York, N. Y., assignor to Polymet Manufacturing Corporation, a Corporation of New York. Filed May 10, 1924. Serial No. 712,201. 8 Claims. (Cl. 173—361.)



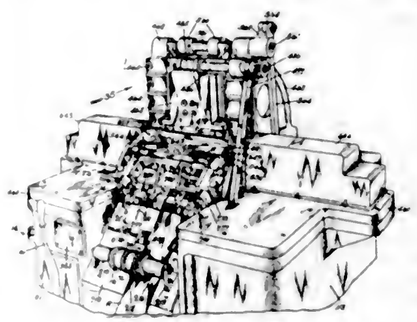
1. In a connecting plug, a two part insulating body having a recessed extension portion on each part the recesses in said portions forming a through opening and adapted to receive cord conductors, the adjacent faces on each part having spaced grooves adapted to receive a portion of a stem with contact members of a plug, and to form, when said parts are assembled, free passages and inlets, said passages and inlets adapted to have inserted therein cord tips for holding same to the contact members, said passages being spaced on each side of the axis through the stem and extending convergingly inward from their inlet ends toward the axis for preventing accidental withdrawal of the cord tips therefrom on pulling the cord when the cord tips are in their effective position with their respective conductor cords crossed through the recessed extension.

1,580,504. VARIABLE RADIATOR. MARIO LAVA, Milan, Italy. Filed Jan. 3, 1925. Serial No. 407. 5 Claims. (Cl. 257—125.)



1. A variable radiator, comprising a by-pass; a valve in the by-pass dividing the interior thereof into two chambers; a group of cooling tubes providing communication between said chambers and with respect to which tubes the by-pass is centrally disposed; and means external to the radiator for operating said valve so as to control at will the quantity of circulation water which passes through said by-pass from one chamber directly to the other and thereby vary the quantity of water passing through said tubes.

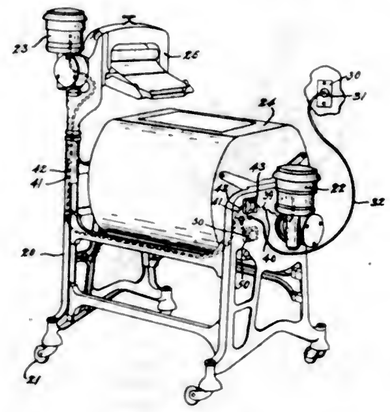
1,580,505. METAL-FOLDING MACHINE. CHARLES L. LEE and THOMAS C. VAN DEGRIFT, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1924. Serial No. 712,126. 17 Claims. (Cl. 153—2.)



1. A machine for folding sheet material comprising, in combination, means for forming a strip of sheet material into folds; means severing a predetermined series of folds from said strip of material; and means for automatically stopping the machine when the material remaining unfolded is shorter than that required for forming a complete series of folds.

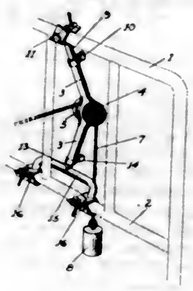
1,580,506. ELECTRICAL APPARATUS. RALPH L. LEE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 683,541. 5 Claims. (Cl. 172—239.)

1. A system of current distribution comprising, in combination, a current consuming device, an electrical circuit for said device including a receptacle having a plurality of terminals, a conductor member arranged to be received by said receptacle and to cooperate with certain of said terminals for connecting the device directly with the electrical circuit, a transformer, and a second conductor member connected with the transformer and arranged to be received by the receptacle



after the first conductor member is removed for connecting said second conductor member with certain terminals whereby to connect the consuming device with the electrical circuit through said transformer.

1,580,507. ATTACHMENT FOR HOSPITAL BEDS. WALTER LIDGETT and JOHN HAMLYN, Sacramento, Calif. Filed Apr. 21, 1924, Serial No. 707,867. Renewed Oct. 21, 1925. 3 Claims. (Cl. 128—84.)

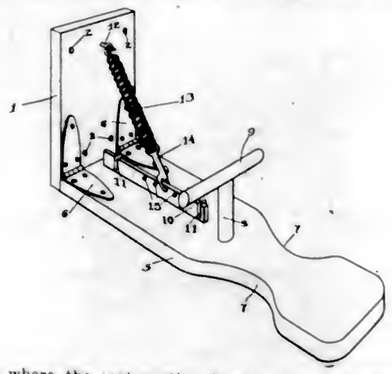


1. A bed attachment for surgical purposes comprising a frame lying in a vertical plane, a pulley mounted on the frame intermediate its ends, stems adjustably mounted at opposite ends of the frame, and clamps carried by said stems at the outer ends thereof to removably engage the upper and lower horizontal bars at the end of a bed.

1,580,508. ADJUSTABLE ONE-PASSENGER SEESAW. NAPOLEON B. LILES, Black Mountain, N. C. Filed Sept. 21, 1925. Serial No. 57,711. 1 Claim. (Cl. 272—55.)

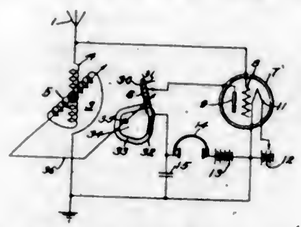
In an amusement device, a vertical support, a seat portion hingedly secured to the vertical support and adapted to swing in a vertical plane, a handle-bar rising vertically from the upper portion of the seat portion, a bar secured to the upper side of the seat portion and extending longitudinally of the seat portion and extending longitudinally of the seat portion from a point near the handle bar to a point in close proximity to the point

where the seat portion is hingedly secured to the vertical support, holes in the bar, a coiled spring having one of its ends secured to the vertical support at a point



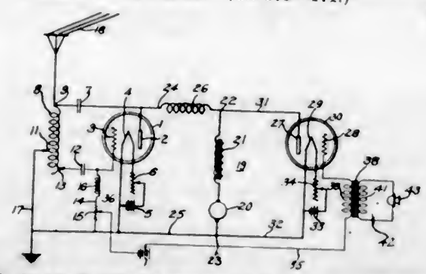
above where the seat portion is secured to the vertical support and having a hook on its other end adapted to be inserted in any one of the holes in the bar.

1,580,509. COMBINATION OF INDUCTANCES FOR WIRELESS. DONALD G. LITTLE, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1921. Serial No. 474,724. 3 Claims. (Cl. 250—20.)



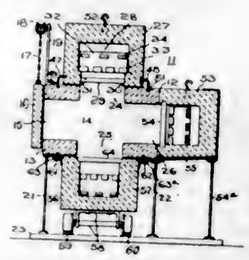
1. In a radio device, a regeneratively connected vacuum tube, including a reactor in the grid circuit, a reactor in the plate circuit coupled thereto, means for adjusting each of the said reactors independently, and means mechanically associated with one of said adjusting means for adjusting the relative position of said reactors when the associated adjusting means is actuated, to thereby vary the coupling between said reactors when the reactance of one of them is varied.

1,580,510. VACUUM-TUBE GRID BIASING MEANS. DONALD G. LITTLE, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 1, 1922. Serial No. 540,325. 15 Claims. (Cl. 179—171.)



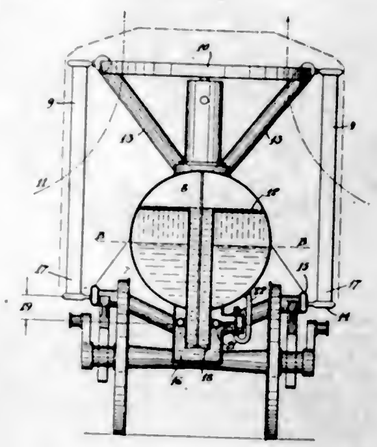
1. In an electrical apparatus, a vacuum-tube generator, including a grid-filament circuit and a plate-filament circuit, said circuits including elements coupling them to provide regeneration, a resistor in shunt to said coupling element in the grid-filament circuit, a second vacuum tube having a grid and a filament and means deriving potentials from said resistor and impressing the same between the grid and filament of said second vacuum tube.

1,580,511. ELECTRIC FURNACE. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 24, 1924. Serial No. 701,287. 8 Claims. (Cl. 204—64.)



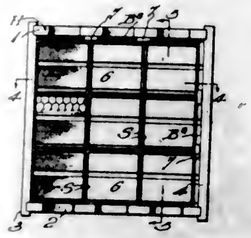
1. In an electric furnace, the combination with a plurality of refractory walls enclosing a furnace chamber, and an opening in one of said walls, of a quickly removable heating unit located outside of said wall and closely adjacent to said opening.

1,580,512. AIR-COOLED CONDENSER FOR LOCOMOTIVES OR SIMILAR VEHICLES. FABDAIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Lidingo-Brevik, Sweden, a Corporation. Filed Jan. 28, 1925. Serial No. 5,386. 3 Claims. (Cl. 257—25.)



1. A condenser for locomotives and similar vehicles, comprising a liquid container, condenser elements cooperating with said container, the lowermost portions of said elements being located adjacent to or below the bottom of the container, a collecting well situated at a lower level than said elements and said container, means to connect said elements with said collecting well and means consisting of a pump to convey to said liquid container the liquid flowing down from said elements into said collecting well.

1,580,513. BEEHIVE. HENRY C. LONG, Ottawa, Kans. Filed July 9, 1925. Serial No. 42,496. 3 Claims. (Cl. 6—2.)

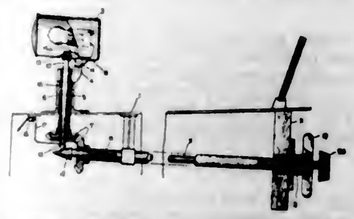


1. In a holder for a plurality of contacting tiers of contacting honey sections; a rectangular frame whose internal length is greater by at least a "bee space" than the length of one tier of the contacting sections, the internal height of said frame being greater than the combined height of the tiers by at lease a "bee space."

1,580,514. STROP FOR SAFETY-RAZOR BLADES AND THE LIKE. MICHAEL W. MCARDLE, Chicago, Ill. Filed Jan. 28, 1925. Serial No. 5,192. 3 Claims. (Cl. 51—198.)

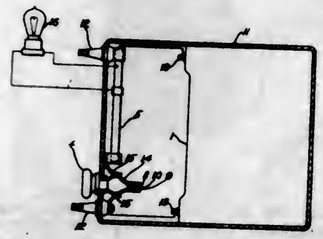
1. A device for the purpose indicated consisting of a mount having an arcuate surface, the same being made of a metal strip formed as to its middle portion in the arc of a segment of a cylinder and having the end portions extending in the plane of the chord of such segment, and united to form the base of the mount, said base being apertured near the middle point, a strap of material suitable for blade sharpening purposes stretched on said arcuate surface of the mount; means for securing the strap being a clamping device adapted to pass through said aperture radially flanged at one end and threaded at the other end, and a clamping nut applied to the threaded end, the strap being apertured near its ends and lapped in engagement with said threaded fitting and clamped thereon between the nut and the outer side of the base of the mount.

1,580,515. SPOTLIGHT FOR MOTOR VEHICLES. CHARLES W. MCCALLUM, Detroit, Mich. Filed July 21, 1924. Serial No. 727,298. 4 Claims. (Cl. 240—61.)



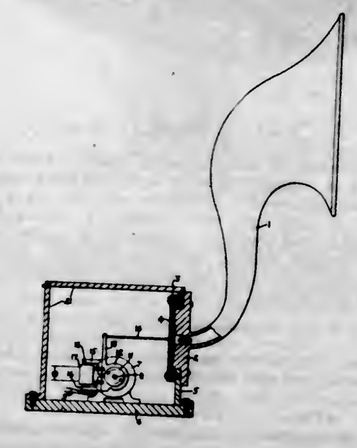
1. In a device of the character described, the combination with a spot-light, and a mounting for the same, the light being pivoted to swing about a horizontal axis established by said mounting, of a substantially vertical rod engaging the spot-light beneath the latter at a point to one side of the vertical plane of said horizontal axis, a circuit for the spot-light, including said rod means yieldably urging swinging of the spot-light about said horizontal axis, and maintaining mechanical and electrical contact thereof with said rod, and means for adjusting said rod vertically to tilt the spot-light about said horizontal axis.

1,580,516. LIGHTNING ARRESTER. RALPH E. MARBURY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,275. 9 Claims. (Cl. 175—30.)



1. The combination with an electric line exposed to excess voltage surges and apparatus connected to said line, of an excess-voltage protective device therefor comprising a condenser connected to said line, said condenser being of such capacity as to limit the voltage rise across said apparatus on normal switching surges or the like to a value below the breakdown voltage of the condenser insulation, and a shunt circuit including a film cut-out and a current limiting device connected in parallel to said condenser, said cut-out being proportioned to break down when the voltage across the condenser rises above a safe operating value.

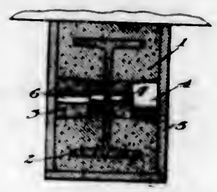
1,580,517. LOUD-SPEAKING TELEPHONE. RALPH E. MARBURY, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1923. Serial No. 677,564. 3 Claims. (Cl. 179—108.)



1. A loud speaking telephone device comprising a diaphragm, a horn, a rotating drum, a friction band on said drum, a projecting arm, attached to said band, a link between said diaphragm and said arm, armatures of

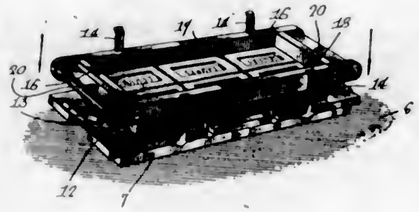
magnetic material attached to the ends of said band, an electromagnet adjacent to said armatures, and a source of signal frequency current connected to said magnet.

1,580,518. CORE FOR CONCRETE BUILDING STRUCTURES. JOSEPH MARTINS, Brooklyn, N. Y., assignor to The United States Bung Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 3, 1925. Serial No. 60,353. 6 Claims. (Cl. 25—128.)



1. A core for the purposes described, comprising a pair of truncated cones, conversely engaged and connected by a longitudinal sliding joint, one thereof having a bore longitudinally therethrough for access to the abutting end of the second in the use of the cone for dislodging the same from the moulded material about the core.

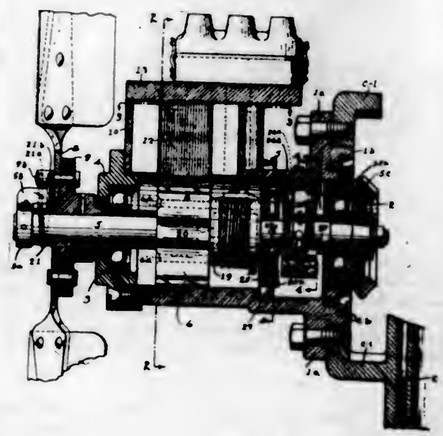
1,580,519. PROCESS OF MANUFACTURING ROUGH TEXTURE BRICK FROM SOFT MUD AND APPARATUS THEREFOR. NEWTON A. MEYER, Granby, Canada. Filed Nov. 17, 1925. Serial No. 69,641. 5 Claims. (Cl. 25—105.)



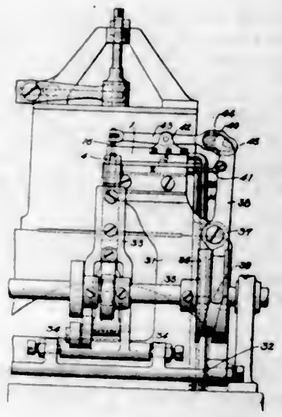
1. A process of manufacturing rough texture brick consisting in casting a slab of soft mud brick material in an undivided mould, depositing said slab on a base, inserting in said slab, while plastic, a cutting frame which divides the slab into a plurality of bricks having a rough texture surface, inverting the base, slab and frame collectively, and successively withdrawing said base and frame from the slab.

1,580,520. COMBINED IMPULSE COUPLING AND AUTOMATIC TIMING MECHANISM. JOHN LEWIS MILTON, Louisville, Ky. Filed June 7, 1921. Serial No. 475,839. 16 Claims. (Cl. 123—148.)

1. In a combined impulse starter and automatic timing device for an electric current generator comprising a rotary driven member and a rotary driving member, adapted to have a limited turning movement in relation to the driven member, flexible means for connecting said members and means for straining and releasing said flexible means so as to cause a relatively rapid rate of movement of the driven member for a part of a revolution when operated at low speeds and means for straining said flexible means to arcuately change the relative position of said driven member to the driving member when the device is operated at relatively high speeds.



1,580,521. MOLD FOR CASTING TYPES. NOBUTARO MONOBE, Tokyo, Japan, assignor to Eizo Hayashi, Tokyo, Japan. Filed Feb. 27, 1925. Serial No. 12,115. 6 Claims. (Cl. 199—92.)

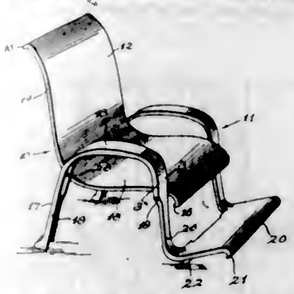


1. A mold for casting printing types consisting of two mold members, one of which having three sides of a casting cavity, the other being a plain plate which forms the fourth side of the same cavity, means to move the latter along the former, thus opening the above mentioned cavity to permit the cast type to move out of the mold.

1,580,522. ALL-METAL CHAIR. ELDON C. MURRAY, Peoria, Ill. Filed July 28, 1924. Serial No. 728,671. 5 Claims. (Cl. 155—194.)

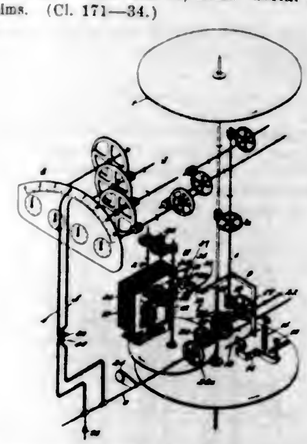
1. A chair comprising a seat and back member produced from sheet metal, and supporting members also

produced from pressed sheet metal and defining parallel side arms between which the seat and back member fits



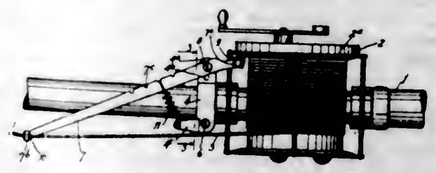
and to which the said member is rigidly secured, the supporting members being rigidly connected below the front end of the seat and back member.

1,580,523. MAXIMUM-DEMAND METER. WALTER G. MYLIUS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1921. Serial No. 439,327. 7 Claims. (Cl. 171—34.)



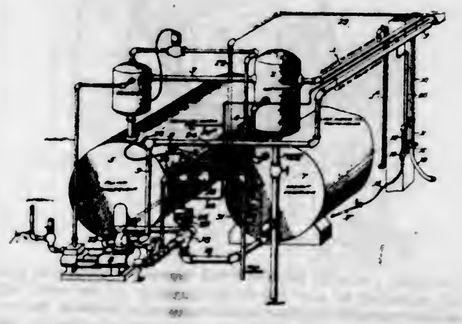
1. The combination with an actuating element and an indicating member positively moved thereby, of a constant-speed device, means actuated at a relatively high speed by said device for disconnecting the indicating member from the actuating element, and means actuated by said device at a relatively slow speed compared to said high-speed means for controlling said disconnecting means.

1,580,524. FISHING-REEL ATTACHMENT. AVERY N. NELSON and ROBERT L. MAPSON, Los Angeles, Calif. Filed Feb. 29, 1924. Serial No. 695,906. 3 Claims. (Cl. 242—84.5.)



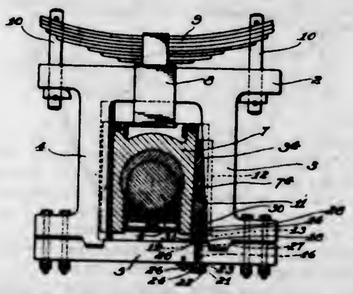
1. In a reel attachment, the combination with a fishing reel of a lever pivotally mounted intermediate its ends at the front portion of said reel and provided at its one end with a brake means adapted to engage the drum of said reel and provided at its opposite end with a guide means for the line of said reel, and a tension means connected with said lever intermediate its pivotal mounting and the end provided with said guide means adapted to retain said brake means in engagement with the drum of said reel.

1,580,525. APPARATUS FOR SELECTIVELY SUPPLYING WASHOUT WATER AND REFILLING WATER TO BOILERS. SPENCER OTIS, Barrington, and FRANK S. WICHMAN, Highland Park, Ill. Filed Mar. 12, 1923. Serial No. 624,652. 7 Claims. (Cl. 122—396.)



1. In a boiler washout and refill apparatus, suitably controlled independent deliveries for washout and refill water, a single supply line for both deliveries, independent reservoirs for washout and refill water, valved connections between the single supply line and both reservoirs, and means at a delivery for selectively opening said valved connections to the supply line.

1,580,526. ADJUSTABLE WEDGE FOR LOCOMOTIVE DRIVE BOXES. WILLIAM A. O'TOOLE, Pittsburgh, Pa. Filed Oct. 7, 1925. Serial No. 60,998. 13 Claims. (Cl. 105—81.)

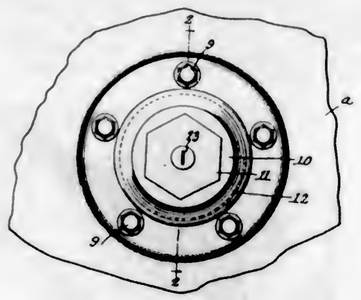


3. An adjusting screw mechanism for drive box wedges including an interiorly threaded sleeve having a flange at one end thereof and being exteriorly threaded at its other end, a lock nut on said exteriorly threaded portion, a bolt screwed into the flanged end of the sleeve, a compressible wedge supporting element on the outer end of said bolt, a wedge supported by the compressible element, and an indicator on the bolt below the wedge.

1,580,527. LOCK. WILLIAM G. PARMELE, Seattle, Wash. Filed July 30, 1925. Serial No. 47,082. 3 Claims. (Cl. 70—90.)

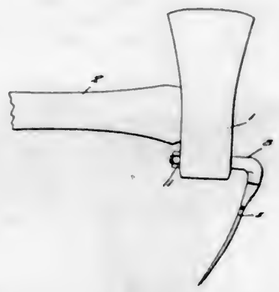
1. The combination with a spare wheel holder including a block having a screw threaded bore, the threads being intersected by longitudinal grooves, of a screw

plug insertable into the bore, means carried thereby for clamping upon a spare wheel and securing it to the holder, a cylinder mounted for rotation within the plug, cooperating tumblers in the plug and cylinder for holding the cylinder normally against rotation independently of



the plug, a spring pressed pawl movable within the plug for engaging in any one of the grooves in the bore, and means operated by the rotation of the cylinder for retracting the pawl to allow retrograde rotation of the plug.

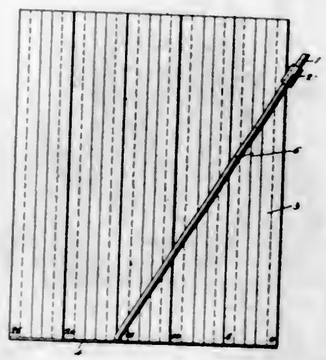
1,580,528. TOOL. JAMES B. PERKINS, Oakland, Calif. Filed June 28, 1921. Serial No. 481,130. 1 Claim. (Cl. 7—8.)



An axe having its head provided with a perforation extending in a direction parallel to the axis of the handle, the walls of said perforation being tapered inwardly from one end and merging into a cylindrical bore, said perforation being adapted to receive tools including a grub hoe, a pick and a shovel, each having a threaded shank complemental to the perforation and adapted to be secured therein by a nut engaging the threaded end of said shank.

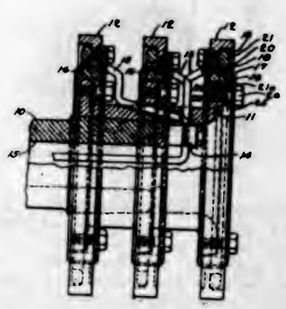
1,580,529. ULLAGE CALCULATOR. ORAN A. PETREE, Palo Alto, Calif. Filed May 26, 1925. Serial No. 33,035. 2 Claims. (Cl. 235—189.)

1. A device for ascertaining the units of liquid needed to fill a tank of known capacity comprising a chart having a base line marked off in the units of the tank from a zero point and perpendiculars rising from the marks and a rod adapted to have the liquid level and the height of the tank marked thereon and allowing the needed units to be read from an intersected perpendicular when



the bottom and height mark of the rod are placed opposite the tank capacity mark on the base line and the zero perpendicular.

1,580,530. DETACHABLE COLLECTOR RINGS. RAWDON E. RAMBO, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 11, 1924. Serial No. 725,412. 9 Claims. (Cl. 171—322.)

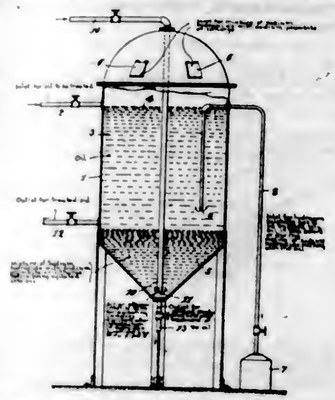


2. The combination with an electric machine having a rotor member, of a plurality of slip-rings operatively associated with said rotor member, a separate metallic supporting member for each slip-ring, a substantially non-separable insulating connection between each slip-ring and its supporting member, and means for detachably securing each supporting member to said rotor member.

1,580,531. PROCESS OF DESULPHURIZING PETROLEUM OILS. JAMES B. RATHER, Brooklyn, N. Y., assignor to Standard Oil Company of New York, New York, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,625. 5 Claims. (Cl. 196—33.)

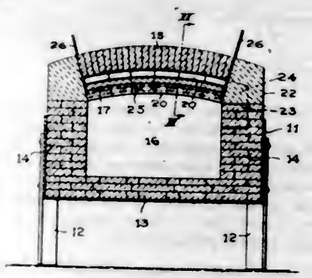
1. The process of treating petroleum oils, which includes, dissolving hydrogen sulphide gas in the oil, and combining the oil containing said dissolved gas with a mixture of sodium hydroxide and litharge (or sodium

plumbite) to produce lead sulphide suspended in the oil, the lead sulphide serving to promote reaction between



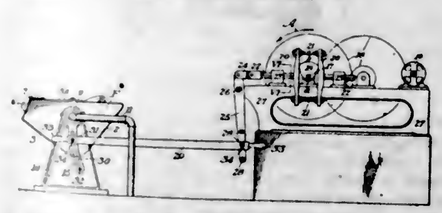
sulphurous elements in the oil and the plumbite solution in such manner that the oil so treated is sweet to the "doctor" and non-corrosive in character.

1,580,532. ELECTRIC-FURNACE-RESISTOR SUPPORTING MEANS. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,542. 7 Claims. (Cl. 204—64.)



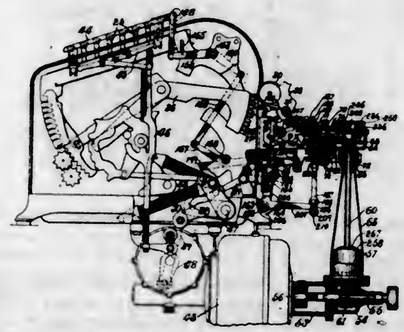
5. In an electric-resistance furnace, in combination, a plurality of grooved refractory members, and a relatively heavy resistor having return-bent end portions bent at an angle to the plane of the main portions thereof, both end portions being located in said grooved refractory members.

1,580,533. METHOD AND APPARATUS FOR PUDDLING IRON. FRANK E. RICHARDSON, Sewickley, and JOHN H. BARR, Pittsburgh, Pa., assignors to Pittsburgh Forge and Iron Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1924. Serial No. 708,695. 13 Claims. (Cl. 763—33.)



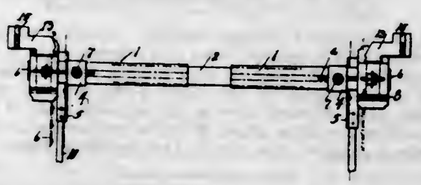
1. Puddling apparatus, comprising a furnace having angularly disposed hearth portions, all of which are normally out of parallelism to a horizontal plane, and means for oscillating said furnace to bring such portions alternately into a position of substantial parallelism to a horizontal plane.

1,580,534. TABULATING MECHANISM FOR ADDING MACHINES. FRANK C. RINSCHE, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 14, 1921. Serial No. 507,613. 78 Claims. (Cl. 197—176.)



1. In a machine of the class described, the combination of a laterally shiftable carriage, a prime mover, a clutch through which the prime mover shifts said carriage, and means operated by the carriage for rendering said clutch ineffective in certain columnar positions of the carriage.

1,580,535. PORTABLE ADJUSTABLE HANGER FOR SHADES, CURTAINS, AND DRAPERIES. LULA H. ROBINSON, Dallas, Tex. Filed Apr. 14, 1925. Serial No. 23,102. 2 Claims. (Cl. 156—27.)

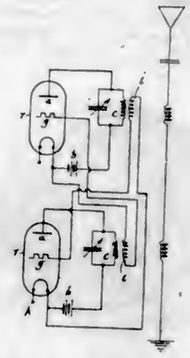


1. In a shade hanger and the like, a horizontal support, end members on and adjustable lengthwise of the end parts of the support, slides carried by the members, strips formed for vertical rigid securement to a window frame and engageable with the slides, shade supports hinged to the ends of the horizontal support whereby upon outward movement thereof to permit of adjustment of the end members relative to the shade supports, said strips having notched edges, clips carried by the slides and selectively engageable in the notches of the strips, a rod connected to each clip and engaging the corresponding strip, and holding means for the lower ends of the rods engaging the strips.

1,580,536. OSCILLATION GENERATOR. BRUNO ROSENBAUM, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,744. 2 Claims. (Cl. 250—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

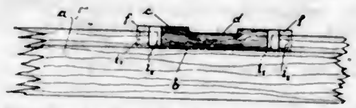
1. In a generator for the production of undamped oscillations, a plurality of electron devices each comprising a cathode, an anode and a control electrode, and anode circuit including a reactance element for each of said devices, a control circuit including a reactance element

for each of said devices, the terminals of said anode circuits being connected respectively to their associated anodes and cathodes, and the terminals of said control circuits being connected respectively to their associated control electrodes and cathodes, the control circuit of



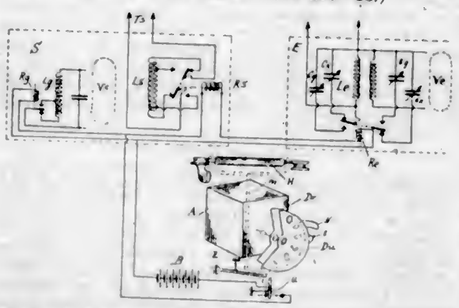
each of said devices being coupled to the anode circuit of another of said devices, the direction of said coupling being such that the resulting electromotive forces in the control circuits are in the direction to cause the several electron devices to keep in phase.

1,580,537. REENFORCED RAILROAD CROSSTIE. MAX RÜPING, Munich, Germany, assignor to Dübelwerke G. m. b. H., Berlin, Germany. Filed Dec. 8, 1925. Serial No. 74,093. 3 Claims. (Cl. 238—285.)



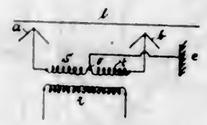
1. A reenforced railroad cross-tie, including in combination with a topwise recess and a lining plate in the recess of said tie with its fibers running substantially in the same direction as the fibers of the tie, and sheet metal strips disposed between the adjacent faces of the tie and of the lining plate, of lateral projections on said strips engageable with the tie and the lining plate.

1,580,538. CONNECTING ARRANGEMENT FOR HIGH-FREQUENCY TELEPHONY. CARL SCHWARZ, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 31, 1921. Serial No. 511,827. 4 Claims. (Cl. 250—13.)



1. In a signal-sending and receiving station, tuned circuits, means for changing the tuning of the circuits, relays operating said changing means, circuits operating said relays, a circuit-changing device for controlling said relays, a calling device, and automatic means for actuating said circuit-changing device upon the operation of the calling device.

1,580,539. SAFETY ARRANGEMENT FOR ANTENNÆ. CARL SCHWARZ, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 31, 1921. Serial No. 511,834. 4 Claims. (Cl. 179—2.)

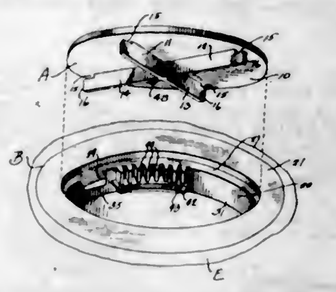


1. In a radio signaling system, a line wire, a pair of antennæ inductively coupled to said line wire at points corresponding to different phases of the signaling energy, a reactive connection between said antennæ, whereby a neutral point is produced in said connection, and means for maintaining said neutral point at zero potential.

1,580,540. VEHICLE SPRING MOUNTING. JAMES H. SHAY, Philadelphia, Pa. Filed Sept. 25, 1925. Serial No. 58,565. 3 Claims. (Cl. 267—56.)

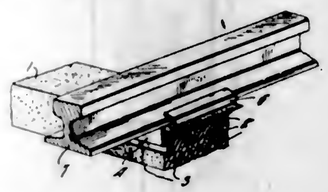
1. In a vehicle spring mounting construction, a spring; a support; and a device having an elongated slotted guideway and being adjustably secured to said support whereby said slotted guideway can be set at a suitable position relatively to the direction of the length of the spring, said spring carrying a portion confined within said guideway and free to move therein in the direction of the length of said guideway.

1,580,541. LOCKING MANHOLE FRAME AND COVER. WARREN S. SHERMAN, Oklahoma City, Okla. Filed June 29, 1925. Serial No. 40,392. 8 Claims. (Cl. 220—55.)



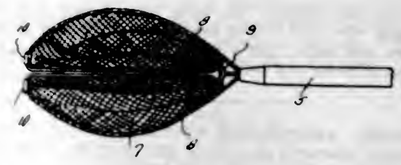
1. In a locking manhole cover and frame construction the combination of a manhole frame and a cover therefor, means to wedge lock the frame and cover together upon slight relative arcuate movement of the same, and means to cause such relative arcuate movement of the cover and frame including teeth rigid with one of the same and a rotatable pinion carried by the other including teeth intermeshing with said first mentioned teeth.

1,580,542. RAILWAY TIE. LUTHER SMITH, Norristown, Pa., assignor of three-tenths per cent to David Green, two-tenths per cent to Miles Abney, one-tenth per cent to James Brown, one-tenth per cent to Plummer Neal, one-tenth per cent to Abraham D. Davenport, and one-tenth per cent to Jesse Herbert, all of Norristown, Pa. Filed Nov. 6, 1925. Serial No. 67,439. 15 Claims. (Cl. 238—291.)



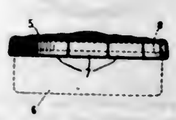
1. A railway tie comprising a reinforced concrete tie having oppositely disposed corresponding dovetailed slots formed in its side faces.

1,580,543. FISH-LANDING NET. ROY J. SMITH, Warrenton, Oreg. Filed Dec. 28, 1925. Serial No. 78,040. 4 Claims. (Cl. 43—11.)



1. A fish landing net of the character described, a handle, a frame upon one end of the handle, a net secured to the frame, the front side thereof being opened for producting a slot therein, and a reinforcing frame for said slot.

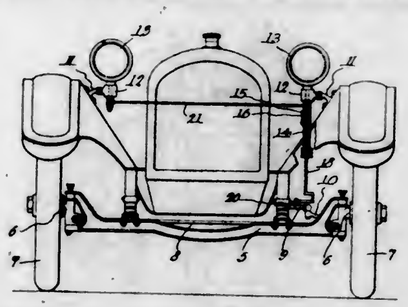
1,580,544. CLOSURE. HENRY SPENGLER, New York, N. Y. Filed Nov. 23, 1922. Serial No. 602,721. 15 Claims. (Cl. 215—46.)



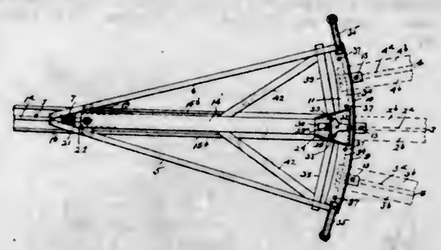
1. A spring closure having a non-uniformly resilient central portion and depending separate engaging fingers actuated to locking position by change of curvature of said central portion, and said central portion having regions concentric therewith of different thicknesses extending to the finger portion to produce different resilient action.

1,580,545. DIRIGIBLE HEADLIGHT. HARRY WILSON TERWILLIGER, Altoona, Pa. Filed Sept. 3, 1924. Serial No. 735,642. 1 Claim. (Cl. 240—62.)

In a dirigible headlight a bearing member, a tubular lamp supporting member mounted within the bearing member, a controlling rod having an opening formed therein, and extending into the tubular member, means for securing the rod and tubular member against longitudinal movement with respect to each other, said tubular member having an opening disposed adjacent to the opening in the controlling rod, a spring member embedded in the tubular member, an arm carrying a finger at one end, and pivotally supported above the spring member, said spring member adapted to engage opposite sides of the arm to hold the arm in its active or inactive position, and the finger carried by the arm adapted to pass through the opening to connect the rod and tubular member.



1,580,546. SWITCH. WILLIAM G. WEHR, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Co., Wickliffe, Ohio, a Corporation of Ohio. Filed Sept. 26, 1925. Serial No. 58,732. 7 Claims. (Cl. 104—103.)



1. In an overhead monorail system, the combination with a fixed track rail having a web and flanges upon opposite sides of the web upon which the carrier wheels roll, of a centrally swinging rail section and means for supporting said rail section to swing about an axis in the plane of the web of the first mentioned fixed rail, the said first mentioned fixed rail and swinging rail section having their flanges contiguous at their abutting ends and cut upon concentric circular arcs having their center at the pivotal axis of the swinging section.

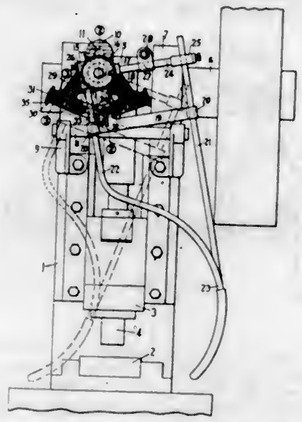
1,580,547. ARTIFICIAL FUEL. MOE J. WEISBURD, New York, N. Y. Filed June 23, 1925. Serial No. 39,149. 1 Claim. (Cl. 44—1.)

The artificial fuel compound described consisting of finely sifted coal ashes and spent crank case lubricating oil, in the approximate proportions of substantially two bushels of such ashes to one gallon of the oil, and thoroughly mixed to produce a homogeneous semifluid mass and adapted to be applied upon a previously-lighted fire.

1,580,548. GUARD FOR PUNCH PRESSES. WILLIAM A. WIESMAN, Dayton, Ohio. Filed July 16, 1924. Serial No. 726,331. 10 Claims. (Cl. 74—105.)

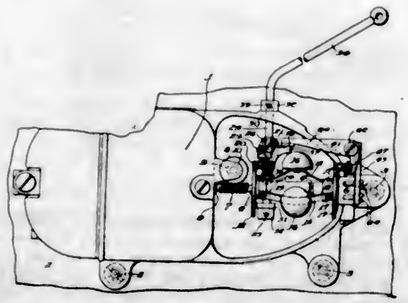
1. The combination with a machine comprising a frame and a plunger mounted on said frame, of a guard arm

movably mounted on said frame, means for imparting oscillatory movement to said guard arm in accordance with the movements of said plunger, a part connected



with said guard arm and forming a stop, and yieldable devices arranged on the opposite sides of said stop and in the path thereof.

1,580,549. MOTOR GOVERNOR. SAMUEL H. WISHER, Palmyra, N. J., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Aug. 16, 1924. Serial No. 732,584. 10 Claims. (Cl. 188—187.)



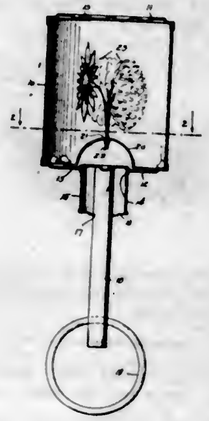
5. In a motor mechanism the combination of a governor shaft, a governor disc mounted thereon, a friction member cooperating therewith, and means controlled by said governor disc and member for applying braking friction to said governor shaft by and in accordance with the pressure between said governor disc and its cooperating member.

1,580,550. PROCESS OF YEAST MANUFACTURE. JOHN F. WROTEN, Baltimore, Md., assignor to Liberty Yeast Corporation, a Corporation of Maryland. Filed Aug. 20, 1924. Serial No. 733,194. 2 Claims. (Cl. 195—20.)

1. In a yeast fermentation process, the step of adding bone precipitate to the wort to be fermented.

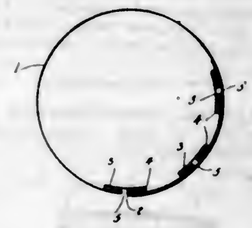
1,580,551. TOY RATTLE. ARTHUR ZADEK, New York, N. Y. Filed Dec. 22, 1925. Serial No. 76,943. 1 Claim. (Cl. 46—46.)

A rattle having a transparent cylindrical head on the surface of which are arranged line drawings, bottom and top caps for said head, a hemispherical dome secured at its open end to the bottom cap and having an opening in the crown portion thereof, a number of artificial flowers having their stems arranged in said opening and supported by the dome, said flowers being visible through



the line drawings on the head, a projecting collar depending from said bottom cap, a second cylinder secured to the said collar, and a handle projecting through, said second cylinder and secured to said bottom cap.

1,580,552. ADJUSTABLE STOVEPIPE. JOE B. BRADSHAW, Stanford, Ky. Filed Nov. 8, 1924. Serial No. 748,040. 1 Claim. (Cl. 126—309.)

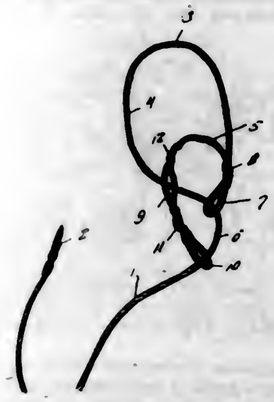


A sheet metal pipe having an edge portion bent to provide an inwardly extending hook, a portion spaced from each edge inwardly crimped and providing reverse folds in spaced relation, said folds being adapted to receive the hook between them so that the latter may engage one of them, and whereby the edge portion of the pipe opposite to said hook may flatly engage the inner surface of the adjacent portion of the pipe at a distance from the folds so that the last mentioned edge portion and said hook will provide a double seal.

1,580,553. HALTER. THOMAS P. BRENNY, Foley, Minn. Filed Dec. 17, 1925. Serial No. 75,996. 3 Claims. (Cl. 54—24.)

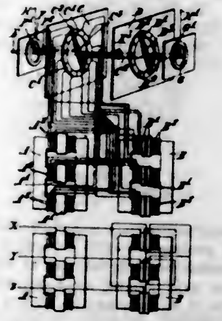
1. A halter formed of a single length of rope and having a head stall, a nose band, and a chin latch; one of the cheek portions of the head stall being provided with an end loop and with interlaced portion immediately above the said end loop, and the nose band being merged into said interlaced portion and being merged, in turn,

and provided with an intermediate loop and with an end loop, and the other cheek portion of the head stall being passed through the said intermediate loop of the chin



latch and being also passed through the first named end loop and the second named end loop in the order named.

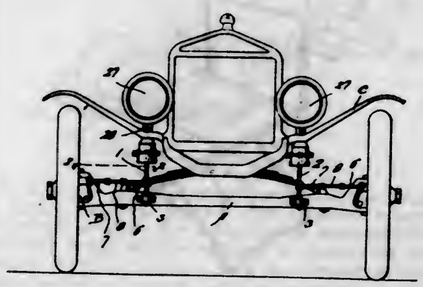
1,580,554. APPARATUS FOR TRANSFORMING ELECTRICAL ENERGY. JOHN EARNSHAW CALVERLEY and WILLIAM EDEN HIGHFIELD, Preston, England. Filed Mar. 26, 1920. Serial No. 369,001. 6 Claims. (Cl. 171—123.)



6. In apparatus for transforming electrical energy, static transforming means having two sets of windings with each set connected to constitute a closed circuit wherein the total electromotive force at any moment is zero when the same is operating as a secondary, two stationary commutators of the disc type arranged coaxially one with the other with their operative faces turned one towards the other, means connecting each closed circuit to one of said commutators whereby successive electrically equidistant points in each closed circuit are connected to successive segments of the allotted commutator, and means comprising rotatable brushes connecting said commutators electrically in series one with the other through said brushes.

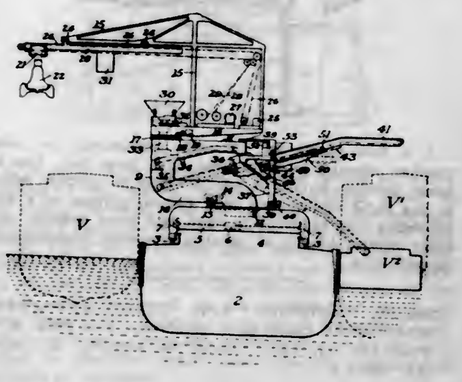
1,580,555. DIRIGIBLE-HEADLIGHT CONSTRUCTION. MERTON ALBERT CHRISTIE, Eureka, Calif. Filed Dec. 23, 1924. Serial No. 757,650. 5 Claims. (Cl. 240—62.)

1. In a dirigible headlight construction for motor vehicles, a pair of vertically arranged standards rotatably supported at their lower ends on the front axle of the motor vehicle, a connection between each of the standards and the usual steering apparatus of the motor vehicle, a cylinder disposed over the upper end of each standard and adapted for rotation therewith, the upper end of each cylinder being closed, a spindle extending upwardly from the closed end of each cylinder, a headlight secured on



said spindle, means associated with said standards and said cylinders to permit the vertical movement of the upper ends of the standards in said cylinders, an additional means for permitting pivotal movement of the upper ends of the standards in said cylinders.

1,580,556. LOADING AND UNLOADING APPARATUS. HANS ENARD, Pittsburgh, Pa., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1922. Serial No. 606,805. 14 Claims. (Cl. 214—15.)

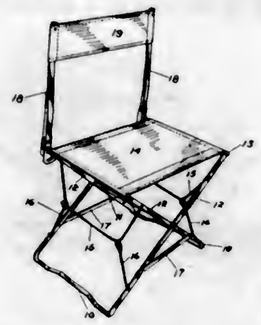


1. In a coal handling apparatus, a C shaped frame, a supporting frame carried thereby and rotatable about an axis adjacent one side of the frame, an unloading crane carried by said arm and rotatable about a vertical axis adjacent the opposite side of the frame, a conveyor system adapted to receive the discharge from said unloading crane, and means for vertically and angularly adjusting the conveyor system relatively to said crane, said conveyor system including a plurality of hoppers one of which is mounted substantially concentrically to each of said axes of rotation.

1,580,557. FOLDING CAMP CHAIR. EARL E. MCGREW, Lincoln, Nebr., assignor to McGrew Machine Company, Lincoln, Nebr., a Corporation of Nebraska. Filed Sept. 2, 1924. Serial No. 735,514. 8 Claims. (Cl. 155—140.)

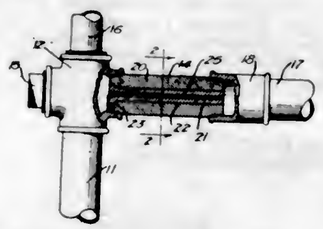
1. A foldable back rest for chairs, said back rest including a pair of supports secured to the chair at its

rear corners, each of said supports being provided at its joint with the chair with a pair of horizontally positioned pivots, one of said pivots being in alignment with the



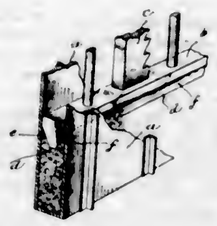
side edge of the chair seat and the other of said pivots being rearward of and parallel to the rear edge of the chair seat.

1,580,558. FLOW NIPPLE. WILLIAM L. MCLAINE, Los Angeles, Calif. Filed Oct. 18, 1922. Serial No. 595,382. 6 Claims. (Cl. 137—75.)



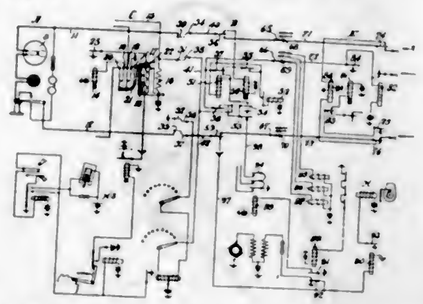
1. A flow nipple for oil wells comprising: an outer member adapted to be secured in a flow line; and an inner member having a conical exterior portion fitting in gas tight relationship in a conical portion of a hole extending longitudinally through said outer member, said inner member having an opening extending longitudinally therethrough.

1,580,559. PLUNGER FOR CORK-SLAB-PACKING MACHINES. CHARLES E. MCMANUS, New York, N. Y. Filed Jan. 17, 1924. Serial No. 686,799. 3 Claims. (Cl. 18—5.)



1. A plunger for cork slab packing machines substantially rectangular in cross-section, of greater width and height than thickness, and having a transversely tapered end adapted to be forced into a mold, whereby the pressure applied through the plunger divides a charge of cork composition and applies a compacting pressure to the divided charge vertically and toward both sides of the mold.

1,580,560. AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 3, 1922, Serial No. 540,890. Renewed July 25, 1925. 7 Claims. (Cl. 179—9.)



1. In a telephone system, subscribers' lines, a group of trunk lines, a group of secondary line switches having access to said trunk lines, primary line switches having access to said secondary line switches, means whereby a calling subscriber can operate his primary line switch and one of said secondary line switches to connect with an idle one of said trunk lines, means for busying all the trunk lines of said group, a meter, and means rendered effective to operate said meter each time said trunk lines are made busy while the secondary line switch in use is still hunting for an idle trunk.

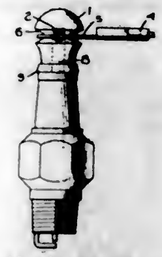
1,580,561. PHONOGRAPH, TALKING MACHINE, AND THE LIKE. FRANK B. MITCHELL, Hove, England, assignor to The Victor Talking Machine Company, Camden, N. J. Filed Mar. 25, 1918. Serial No. 224,682. 23 Claims. (Cl. 274—15.)

5. The combination with a sound record provided with a sound record groove and with a portion representing a transverse shoulder beyond the end of said groove, and means to rotate said record, of a pivoted tone arm, a sound box mounted on said arm, a stylus carried by said sound box, a member connected to said sound box and floating on the surface of said record during the reproduction of sound therefrom nearer the center of the record than is said stylus, record engaging means mounted on said sound box normally out of engagement with said record and drawn by said member into engagement with said record when said member engages said shoulder, whereby the friction between said record engaging means and said record lifts said stylus and moves said sound box outwardly to a position adjacent the beginning of said groove and moves said record engaging means over the edge of said record to again bring said stylus into reproducing relation with said sound record groove, and means to prevent said record engaging means from falling over the edge of the record at the end of the second outward movement of said tone arm and sound box.

1,580,562. TRANSLUCENT SPARK-PLUG INTENSIFIER. HENRY D. MOORE, Boston, Mass., assignor to Lynette D. Baker, Boston, Mass. Filed Apr. 11, 1923. Serial No. 631,274. 2 Claims. (Cl. 175—183.)

1. An electrically insulating, translucent, solid, integral spark plug bulb having an opening to fit over the spark plug electrode and having an aperture communicating with and extending transversely of the opening,

the spark plug electrode lying adjacent one end of the aperture and the terminal of the spark plug lead wire lying adjacent the other end of the aperture when the bulb is in position on the spark plug electrode, whereby

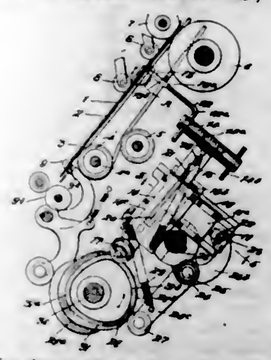


the bulb acts to hold said electrode and said terminal in spaced and insulated relation and the aperture acts to provide a path for the current between the electrode and the terminal and forms an inclosed visible spark chamber.

1,580,563. SELF-ADJUSTING COKE-OVEN CLOSURE. HERMANNS MÜLLER, Munich, Germany. Filed Apr. 25, 1922. Serial No. 556,548. 6 Claims. (Cl. 202—6.)

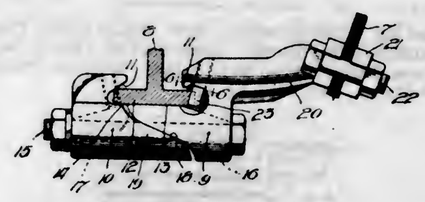
1. A coke oven closure comprising a flanged frame and a door having a flaring portion designed to hermetically contact the edge of the flange of said frame.

1,580,564. BLANK-LOCATING MECHANISM. ABRAHAM NOVICK, Flushing, N. Y., assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 28, 1924. Serial No. 688,953. 19 Claims. (Cl. 271—48.)



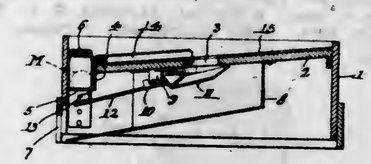
1. A device for jogging and centering blanks at rest against aligning stops, including jogging fingers moving in an orbital path into and out of the plane of the blanks.

1,580,565. BRACKET FOR SNUBBERS AND THE LIKE. WILLIAM H. ODLUM, Chicago, Ill. Filed June 23, 1924. Serial No. 721,866. 9 Claims. (Cl. 267—10.)



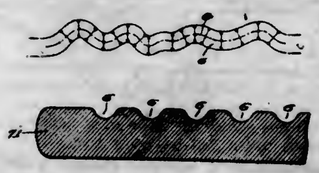
1. As a new article of manufacture, a bracket adapted to engage the flange of an I-beam, including a pair of companion members each having in its upper portion an upwardly facing member adapted to engage the under face of the flange, together with an upwardly extending finger having an inwardly facing recess adapted to engage the edge portion of the flange, there being a vertically extending passage in each such finger having its lower portion communicating with the recess aforesaid, a member of relatively hard metal seated in each passage and reaching into the corresponding recess and adapted to engage the edge of the flange therein, together with means for drawing the bracket members towards each other to thereby cause said projecting portions to engage the edge of the flange, substantially as described.

1,580,566. GAME BOARD. FRANCIS J. O'NEILL, Milwaukee, Wis. Filed Jan. 8, 1926. Serial No. 80,054. 4 Claims. (Cl. 273—103.)



4. A game board including a casing having an outlet opening at the bottom thereof, an inclined board in the casing provided with an opening for the reception of a game piece, an inclined trough along the lower edge of the board for receiving game pieces therefrom, said trough having an aperture adjacent one end for receiving and retaining a game piece directed thereto by the trough, means operated by the dropping of the game piece through the opening in the board for lifting a retained game piece from the aperture in the trough, and means for directing game pieces from the opening and aperture to the outlet.

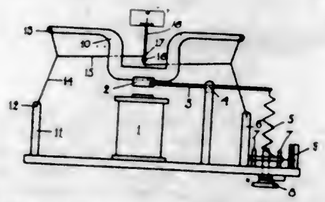
1,580,567. SOUND RECORD FOR TALKING MACHINES. JAMES W. OWEN, Clayton, and ALBERTIS HEWITT, Camden, N. J., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Feb. 14, 1921. Serial No. 444,796. 11 Claims. (Cl. 274—42.)



2. A sound record tablet having a groove in the face thereof provided with undulations corresponding to sound waves in the side walls thereof, said groove being

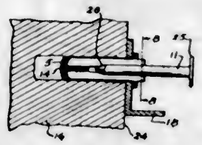
of uniform width transverse to the median line of said groove and having rounded corners at the points where the side walls of the groove merge into the unrecorded portion of the surface of said record.

1,580,568. INSTRUMENT FOR MEASURING PRESSURES AND FORCES. JOSUA GABRIEL PAULIN, Stockholm, Sweden. Filed May 13, 1922. Serial No. 560,849. 3 Claims. (Cl. 265—1.)



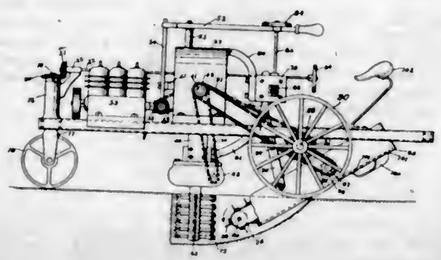
1. An instrument for measuring pressures, forces, electric currents et cetera, comprising an index, a shaft carrying the index, a movable force receiving member, spring means connected with said member and counteracting the said forces, a knee-bent flexible member having one end thereof fixed to the movable member and the other end fixed to the frame of the instrumen., a connection extending from the flexible member to the said index carrying shaft for the purpose of transmitting the movements of the said movable member to the index shaft.

1,580,569. NAIL EXPANSION. HENRY W. PLEISTER, Westfield, and JOHN KARITZKY, Garwood, N. J., assignors to Henry B. Newhall, Plainfield, N. J. Filed Nov. 12, 1924. Serial No. 749,404. 7 Claims. (Cl. 85—2.4.)



1. A new article of manufacture comprising a ductile expansion shield provided with a head at one end and with a major slot extending through the head, and also provided with an expansible retarding collar straddling the major slot and adapted to retard the expansion of the head of the shield.

1,580,570. TRENCH DIGGER. JAMES POWERS, New York, N. Y. Filed Aug. 18, 1921. Serial No. 493,276. 15 Claims. (Cl. 37—87.)



8. In combination, a movable frame; a drive shaft mounted on said frame transverse to its path of movement; a downwardly disposed milling shaft carrier radial to said shaft and pivotally connected to said shaft; a milling shaft carried by the carrier alined therewith and rotated by said main shaft; and milling cutters carried on the milling shaft; a sector rack pivoted on the carrier and means cooperating with said rack to adjustably position the carrier.

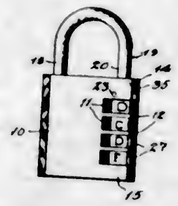
1,580,571. JACK. WILLIAM PUTZKE, North Milwaukee, Wis., assignor to Everedy Auto Jack Co., Milwaukee, Wis., a Corporation. Filed Dec. 5, 1921. Serial No. 519,847. 6 Claims. (Cl. 254—86.)

1. A hanger for a type of vehicle jack in which a standard element and a lifting member may be nested in close proximity at one side of the center of the jack, said hanger comprising a clamp for attachment to a vehicle axle and having a pair of spaced depending arms offset from a vertical plane passing through the axis of the axle whereby to be positioned to receive the nested and closely adjacent standard element and lifting member of such a jack, together with detent means connected with the hanger arms and adapted to support therefrom the portions of such a jack received therebetween.

1,580,572. MANUFACTURE OF DETONATING COMPOSITIONS. HANS RATHSBURG, Furth, Germany. Filed Aug. 3, 1922. Serial No. 579,456. 2 Claims. (Cl. 52—2.)

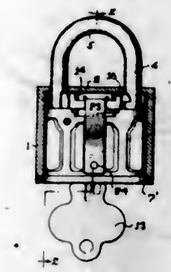
1. A priming composition for detonators, comprising basic salts of tetrazole compounds.

1,580,573. PERMUTATION-LOCK CONSTRUCTION. FRANK SCHARA, Kansas City, Mo., assignor to Schara Manufacturing Corporation, Kansas City, Mo. Filed Mar. 8, 1924. Serial No. 697,831. 2 Claims. (Cl. 70—113.)



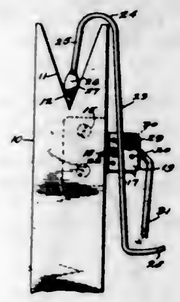
1. In a lock of the character described, a case having a bolt receiving bore and stalls transversely thereof to receive rotating tumblers, a bolt portion slidable in said bore, tumblers in said stalls snugly revoluble on the bolt, means on bolt and tumblers to interlock at certain positions of the tumblers but permitting sliding movement of the bolt at other limited positions, the material of the case between the stalls comprising resilient plates projecting between the tumblers adapted to sustain considerable stress individually but yieldable to equalize stresses on the tumblers.

1,580,574. PADLOCK. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 27, 1923. Serial No. 634,990. 8 Claims. (Cl. 70—96.)



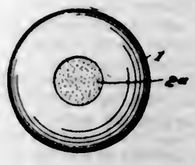
1. In a padlock, a body, a shackle, a key plug in said body having a reduced end with flattened sides and a locking dog provided with a slot or opening therein receiving said reduced end, said locking dog being adapted to hold said shackle against movement.

1,580,575. ROPE CLAMP. LEWIS R. TOMPKINS, Atlantic City, N. J., assignor of one-half to George H. Shea, Quarryville, Pa. Filed Feb. 5, 1925. Serial No. 7,173. 4 Claims. (Cl. 68—12.)



1. A device of the character described comprising a clothes line prop having a notch in its upper end for supporting a line, a manually movable member arranged adjacent one side of said prop and having its upper end turned to extend downwardly into said notch to engage said line, a stationary element arranged against one side of said member, and a cam carried by said prop and adapted to bind said member between said cam and said stationary element.

1,580,576. PERFUMED SOAP CAKE. EDMUND WEIDNER, Berlin, Germany. Filed Mar. 9, 1925. Serial No. 14,258. 1 Claim. (Cl. 87—23.)



A perfumed soap cake with channels extending from one side to the other of the soap cake, said channels being filled with paste-like mass, said paste like mass being chemically indifferent towards perfumes, and the perfume for the soap being incorporated in said indifferent mass.

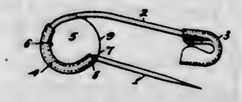
1,580,577. AEROPLANE. ERNST KARL ALEXANDER BAUMANN, Stuttgart, Germany. Filed Nov. 26, 1923. Serial No. 677,086. 3 Claims. (Cl. 244—12.)

1. In an aeroplane, a carrying wing having a lower surface provided near the lateral edges with slots symmetrical to the central portion of the carrying wing for the purpose of forcing compressed air therethrough to reduce eddy currents.

1,580,578. I-BEAM HANGER. WILLIAM O. BERRY, Caro, Mich. Filed July 30, 1925. Serial No. 47,098. 3 Claims. (Cl. 294—85.)

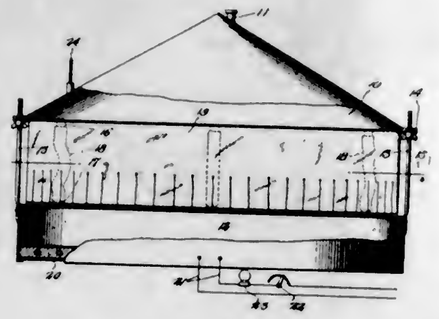
1. A device of the class described having complemental jaws, a clamp plate carried by one of the jaws, and said plate having a portion deflected relative to one of the jaws for the purpose specified.

1,580,579. MARKING PIN. GEORGE BODEN, Waterbury, Conn., assignor, by meane assignments, to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 9, 1921. Serial No. 476,137. 2 Claims. (Cl. 40—26.)



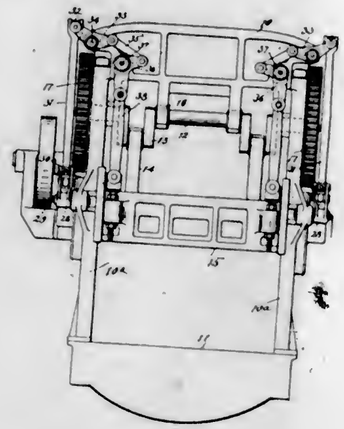
1. A marking pin comprising a bow, a pointed leg and a cap carrying bar, and a flanged marker plate having its flange bent over the bow to secure the plate to the bow, the end of the flange on the pointed leg side of the bow lying near the inner edge of the marker plate, and the cap carrying bar being curved upwardly away from the pointed leg with the concave side of the curve toward the pointed leg and so disposed with respect to the edge of the marker plate that it acts as a guard for the edge of the plate.

1,580,580. CHICKEN BROODER. CLAUDE F. BRONSON, Findlay, Ohio. Filed Dec. 22, 1924. Serial No. 757,415. 1 Claim. (Cl. 119—33.)



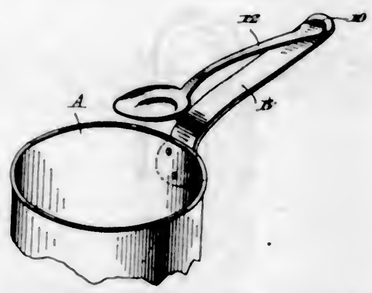
A chicken brooder including an upper water compartment forming a brooder roof, a lower water compartment spaced below the upper compartment and forming a brooder floor, means to heat the lower compartment, water circulating connection tubes each having upper and lower terminal portions connected to the upper and lower water compartments, respectively, each of said tubes further having a flexible central portion connecting the respective upper and lower portions, standards carried by the lower water compartment and engaging the upper compartment, and nuts on said standards to adjust the height of the upper compartment above the lower compartment.

1,580,581. METAL STAMPING AND DRAWING PRESS. ARTHUR A. BYERLEIN, Toledo, Ohio, assignor to The Toledo Machine and Tool Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 24, 1920. Serial No. 376,217. 7 Claims. (Cl. 113—38.)



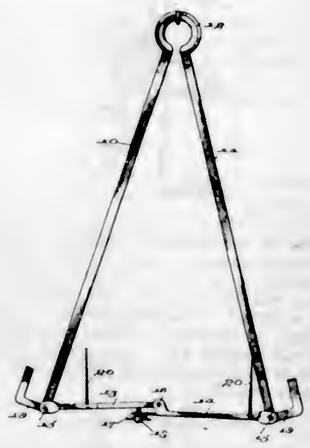
1. In a press of the type having a plunger and a work-holder, a plunger operating crank-shaft with driving gears at both ends, independently mounted bell-cranks on opposite sides of the frame near the top thereof, and mechanisms actuated by both said gears and located wholly outside of the space between the gears and the frame for actuating the bell-cranks and operative connections between said bell-cranks and the work-holder.

1,580,582. SPOON-SUPPORTING MEANS. ALVIN ERNEST CARMAN, Calgary, Alberta, Canada. Filed Apr. 17, 1925. Serial No. 23,921. 3 Claims. (Cl. 65—65.)



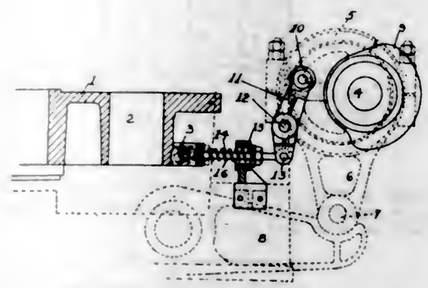
1. In containers and the like formed with handles, a semi-circular slot formed with a sloping base adjacent the outer end of the handle adapted to engage with the handle of a spoon or the like to support the latter in suspended position.

1,580,583. ANIMAL TRAP. WINFIELD CATLIN, Rockville, Ind., assignor of one-half to Clarence A. Weaver, Hillsboro, Ind. Filed Feb. 28, 1925. Serial No. 12,386. 2 Claims. (Cl. 43—85.)



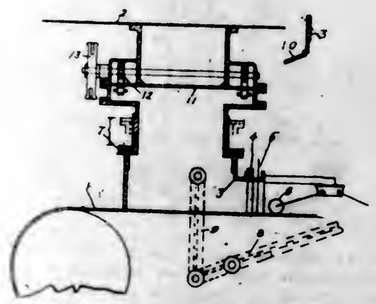
1. An animal trap having actuating spring members connected to one another at one end, and a trip bar spreading the free ends of said spring members apart in the set position, the said spring members being collapsible flatwise against one another and the said trip bar including a pair of sections pivotally joined at their outer ends to the said free ends of the spring members and cooperating therewith to support the spring members in upright position when the trap is set, said bar sections being pivoted in overlapping relation to one another at their inner ends to fold and collapse outwardly away from the spring members, and flatwise against one another in line with the collapsed spring members when the bar is tripped.

1,580,584. BRAKE FOR BRICK MACHINES. EDGAR D. CHURCH and FRANK S. LASH, Saginaw, Mich., assignors to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,931. 1 Claim. (Cl. 188—166.)



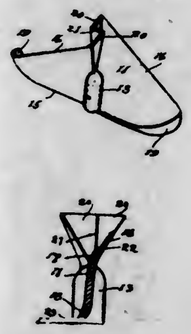
In combination, a brick machine having a platen adapted to intermittent rotation, a brake device comprising a brake shoe, a rotatable cam shaft, a pair of cams on said shaft, a pair of rocker arms, each pivoted to a fixed support and carrying rollers adapted to be simultaneously engaged by said cams, a pair of rods each pivoted at one end to an end of one of said rocker arms, each of said rods fixed at its other end to said shoe, a stationary cup member embracing each of said rods, and a compressible spring interposed between each cup member and said brake shoe, substantially as described.

1,580,585. AUTOMATIC MEASURING DEVICE. EDGAR D. CHURCH, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed July 6, 1925. Serial No. 41,794. 2 Claims. (Cl. 198—56.)



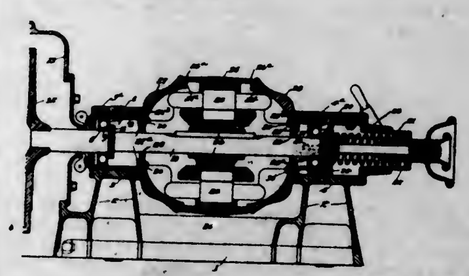
1. In combination, a conveyor, a plurality of hoppers each having a discharge head above said conveyor and provided with a gage gate for regulating the thickness of the layer of material delivered to the conveyor, certain of said discharge heads having their lower ends movable and adapted to be lifted clear of the layer of material, whereby the material delivered to the belt from one hopper may freely pass the discharge heads of the remaining hoppers.

1,580,586. PROPELLER FOR DISHWASHING MACHINES. GUY S. CLARKSON, Winnipeg, Manitoba, Canada, assignor to David R. Finkelstein, Winnipeg, Manitoba, Canada. Filed Sept. 25, 1923. Serial No. 664,761. 5 Claims. (Cl. 299—63.)



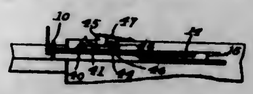
1. A propeller for dish washing machines comprising a vertically disposed blade presenting a substantially horizontal and forwardly curved lower edge and a rearwardly curved inwardly and upwardly inclined upper edge.

1,580,587. MOUNTING FOR ELECTRIC MOTORS. ALLAN P. DANIEL, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Jan. 31, 1922. Serial No. 533,101. 3 Claims. (Cl. 172—36.)

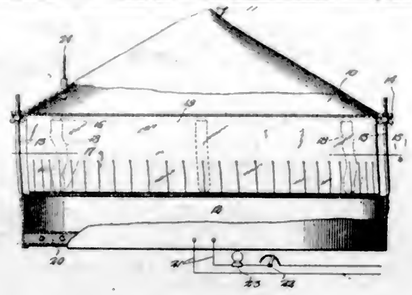


1. In a structure of the character described, a pair of axially aligned housings, a shaft rotatably mounted in said housings, a rotor of an electric motor connected to said shaft, a pair of supports having trunnions fitted to the interior of said housings, said supports being rigidly connected to said housings, said supports having supporting surfaces, and a motor stator mounted on said surfaces and rigidly connected to one of said supports, said stator and the other support being left unconnected to provide for slippage.

1,580,588. STAMP-VENDING MACHINE. MISAEL DELUDE, North Brookfield, Mass. Filed Oct. 16, 1922. Serial No. 594,688. 2 Claims. (Cl. 194—102.)

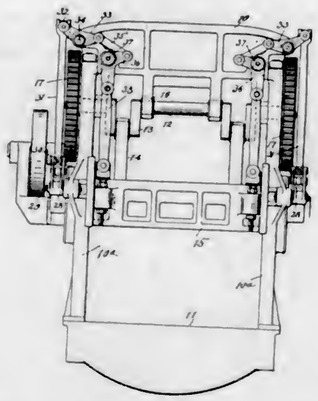


2. An apparatus of the class described, comprising a pusher-slide, and a pivoted coin guard over the slide having a tooth adapted to be raised by the passage under it of a coin of the proper thickness and having

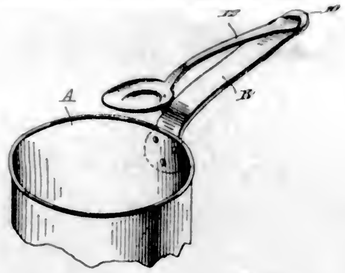


A chicken brooder including an upper water compartment forming a brooder roof, a lower water compartment spaced below the upper compartment and forming a brooder floor, means to heat the lower compartment, water circulating connection tubes each having upper and lower terminal portions connected to the upper and lower water compartments, respectively, each of said tubes further having a flexible central portion connecting the respective upper and lower portions, standards carried by the lower water compartment and engaging the upper compartment, and nuts on said standards to adjust the height of the upper compartment above the lower compartment.

1,580,581. METAL STAMPING AND DRAWING PRESS. ARTHUR A. BYERLEIN, Toledo, Ohio, assignor to The Toledo Machine and Tool Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 24, 1920. Serial No. 376,217. 7 Claims. (Cl. 113—38.)



1. In a press of the type having a plunger and a work-holder, a plunger operating crank-shaft with driving gears at both ends, independently mounted bell-cranks on opposite sides of the frame near the top thereof, and mechanisms actuated by both said gears and located wholly outside of the space between the gears and the frame for actuating the bell-cranks and operative connections between said bell-cranks and the work-holder.

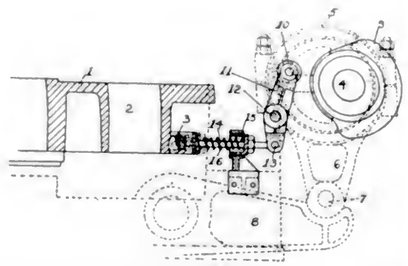


1. In containers and the like formed with handles, a semi-circular slot formed with a sloping base adjacent the outer end of the handle adapted to engage with the handle of a spoon or the like to support the latter in suspended position.

1,580,583. ANIMAL TRAP. WINFIELD CATLIN, Rockville, Ind., assignor of one-half [illegible] A. Weaver, Hillsboro, Ind. Filed Feb. [illegible] erial No. 12,386. 2 Claims. (Cl. 43-[illegible]

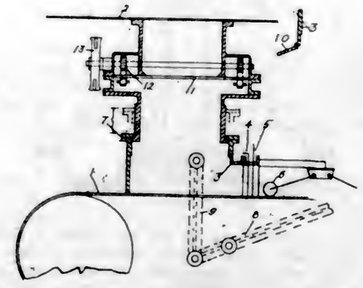
1. An animal trap having actuating spring members connected to one another at one end, and a trip bar spreading the free ends of said spring members apart in the set position, the said spring members being collapsible flatwise against one another and the said trip bar including a pair of sections pivotally joined at their outer ends to the said free ends of the spring members and cooperating therewith to support the spring members in upright position when the trap is set, said bar sections being pivoted in overlapping relation to one another at their inner ends to fold and collapse outwardly away from the spring members, and flatwise against one another in line with the collapsed spring members when the bar is tripped.

[illegible] No. 555,551. 1 Claim. (Cl. 188—166.)



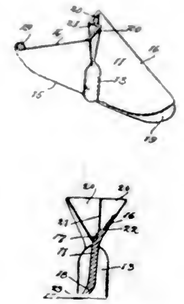
In combination, a brick machine having a platen adapted to intermittent rotation, a brake device comprising a brake shoe, a rotatable cam shaft, a pair of cams on said shaft, a pair of rocker arms, each pivoted to a fixed support and carrying rollers adapted to be simultaneously engaged by said cams, a pair of rods each pivoted at one end to an end of one of said rocker arms, each of said rods fixed at its other end to said shoe, a stationary cup member embracing each of said rods, and a compressible spring interposed between each cup member and said brake shoe, substantially as described.

1,580,585. AUTOMATIC MEASURING DEVICE. EDGAR D. CHURCH, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed July 6, 1925. Serial No. 41,794. 2 Claims. (Cl. 198—56.)



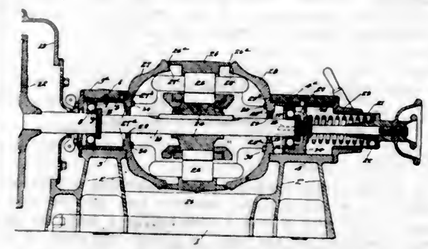
1. In combination, a conveyor, a plurality of hoppers each having a discharge head above said conveyor and provided with a gage gate for regulating the thickness of the layer of material delivered to the conveyor, certain of said discharge heads having their lower ends movable and adapted to be lifted clear of the layer of material, whereby the material delivered to the belt from one hopper may freely pass the discharge heads of the remaining hoppers.

664,761. 5 Claims. (Cl. 299—63.)



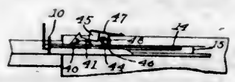
1. A propeller for dish washing machines comprising a vertically disposed blade presenting a substantially horizontal and forwardly curved lower edge and a rearwardly curved inwardly and upwardly inclined upper edge.

1,580,587. MOUNTING FOR ELECTRIC MOTORS. ALLAN P. DANIEL, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Jan. 31, 1922. Serial No. 533,101. 3 Claims. (Cl. 172—36.)



1. In a structure of the character described, a pair of axially aligned housings, a shaft rotatably mounted in said housings, a rotor of an electric motor connected to said shaft, a pair of supports having trunnions fitted to the interior of said housings, said supports being rigidly connected to said housings, said supports having supporting surfaces, and a motor stator mounted on said surfaces and rigidly connected to one of said supports, said stator and the other support being left unconnected to provide for slippage.

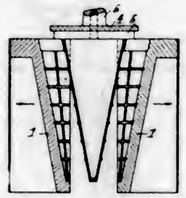
1,580,588. STAMP-VENDING MACHINE. MISAEL DELUDE, North Brookfield, Mass. Filed Oct. 16, 1922. Serial No. 594,688. 2 Claims. (Cl. 194—102.)



2. An apparatus of the class described, comprising a pusher-slide, and a pivoted coin guard over the slide having a tooth adapted to be raised by the passage under it of a coin of the proper thickness and having

an opposite sharp tooth adapted to be forced down thereby into contact with the top of the coin, said teeth being located at such an elevation as to just allow a coin of the proper thickness to pass under them.

1,580,589. METHOD OF EXTRACTING CONES FROM MALE AND FEMALE MOLDS. ALBERT E. DIETERICH, Washington, D. C. Filed Nov. 21, 1925. Serial No. 70,655. 5 Claims. (Cl. 107—58.)



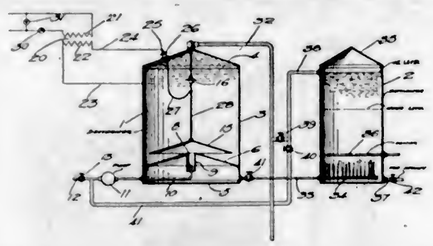
2. The method of extracting cones from male and female molds of the split female mold type, which comprises the following steps: removing the core from the cone held within the female mold, placing a restraining body over the mouth of the cone, causing a reduction of air pressure beneath the body to suck the cone toward the body while holding the body against lateral movement and separating the female mold, and thereafter restoring the initial pressure beneath the body to permit the cone to drop.

1,580,590. HOOK. GEORGE B. N. DOW and GEORGE J. J. CLARK, Manchester, N. H. Filed Nov. 12, 1925. Serial No. 68,614. 1 Claim. (Cl. 24—232.)

A device of the class described comprising a body provided at one end with a connector and supplied at its opposite end with a seat, a disk having a seat, the disk being journaled on the body to permit the seats of the disk and of the body to be brought into registration; a hook comprising inner and outer arms, a bend connecting the arms, and a bearing carried by the inner arm, the bearing affording means whereby the hook is mounted for swinging movement on the body, in a plane parallel to the disk, the free end of the outer arm being so located with respect to the periphery of the disk that an object, carried by the hook, can be disengaged from the hook, only when the seats are brought into registration and when the hook is swung to open position to cause said end of the outer arm to clear the seats, the inner arm being provided with a cam, and the inner arm being so inclined, from the bend to the bearing, that the cam is inclined with respect to a straight line passing through the connector and the bend, whereby, when an object, engaged by the bend, is moved into the seats, the object will cooperate with the cam to swing the hook toward the aforesaid open position.

1,580,591. PROCESS OF DEHYDRATING OIL. HAROLD C. EDDY, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, a Corporation of California. Filed Aug. 26, 1924. Serial No. 734,235. 6 Claims. (Cl. 204—25.)

1. A process of separating water and solid impurities from an oil emulsion which comprises: treating the emulsion to agglomerate the fine water particles therein; allowing the resulting liquid to stratify; removing the driest portion of said liquid; passing a wetter portion

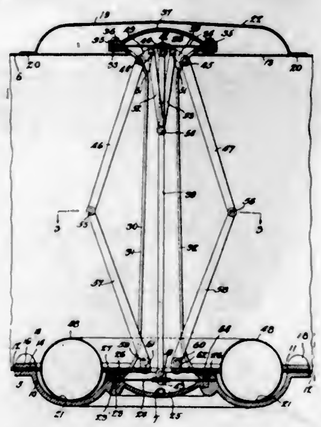


through a water bath to wash out the water and suspended impurities therefrom; and removing the supernatant oil from said water bath.

1,580,592. INJECTABLE, HOMOGENEOUS, OILY PREPARATION OF BISMUTH AND MANUFACTURE OF THE SAME. WILHELM EICHHOLZ and OTTO DALMER, Darmstadt, Germany. Filed Nov. 26, 1924. Serial No. 752,460. 4 Claims. (Cl. 67—7.)

3. As a new composition of matter, a solution of bismuth naphthenate in oils.

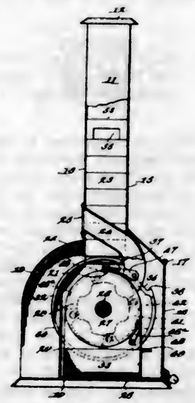
1,580,593. INDICATOR FOR AUTOMOBILE GAS SUPPLY. THOMAS M. EYNON, Philadelphia, Pa. Filed Mar. 17, 1921. Serial No. 453,166. 10 Claims. (Cl. 73—82.)



1. In an indicator system for the height of gasoline in an automobile tank, a fluid indicator, a fluid connection therewith, a diaphragm controlling the movement of fluid in said connection, an annular float with whose axis the center of the diaphragm is in line, a tank for the fluid of which tank the diaphragm forms one wall and connections between the float and diaphragm whereby lifting and lowering of the float operate the diaphragm to give indication upon the indicator.

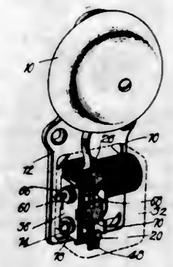
1,580,594. MATCH-VENDING MACHINE. HARRY FRIED, Washington, D. C. Filed Oct. 20, 1921. Serial No. 509,099. 1 Claim. (Cl. 194—63.)

In a device of the class described, the combination of a main operating mechanism, ejecting mechanism operable thereby, an operating member, a stationary cam device, a rotary clutch device, pins in said clutch device



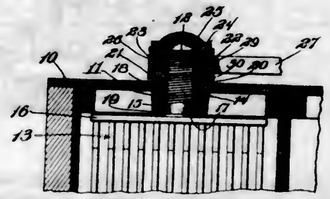
and controlled by said cam device, and a coin disk having coin pockets formed therein and having a way for receiving said pins.

1,580,595. ELECTRIC BELL. ARTHUR C. GAYNOR and EDWIN G. GAYNOR, Stratford, Conn.; said Edwin G. Gaynor assignor to said Arthur C. Gaynor. Filed Apr. 20, 1923. Serial No. 633,384. 9 Claims. (Cl. 177—7.)



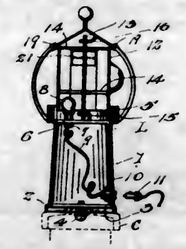
1. A device of the kind described which comprises, a frame having a pair of lugs with notches opening endwise of said frame, a hammer armature arm extending through said frame and having projecting pivot pins extending into said notches and means retaining said pins in said notches.

1,580,596. STORAGE BATTERY. DANIEL GRILL, Roanoke, Va. Filed Feb. 14, 1925. Serial No. 9,132. 3 Claims. (Cl. 136—168.)



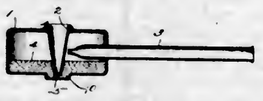
1. Means for mounting storage battery plate units and the links thereof upon the covers of the cells comprising the combination with a cover having an opening therethrough, of a battery plate unit including a strap and post, the post being directed through the opening, a compressible packing element disposed between the strap and the opposed face of the cover, means mounted upon the post and engaging the opposite face of the cover for drawing the post through the cover, a second compressible packing element disposed between said means and the upper face of the battery cover, a link seating upon said means and a cap for maintaining the link in position having sealing engagement with the link and forcing the link into sealing engagement with said means, the cap having a depending flange entering an eye formed in the link, the eye of the link and the flange having coacting tapered faces, the cap having threaded engagement with said means.

1,580,597. ORNAMENTAL LAMP. CHARLES E. GRIMM, Columbus, Ohio. Filed Oct. 3, 1925. Serial No. 60,234. 1 Claim. (Cl. 240—7.1.)



The combination of a tubular base having an upper annular flange and attaching means at its lower end, of an elevated cover and supporting arms between said base and cover, a rotary, wind operated lamp housing having its lower end within said flange and its upper end within said cover, a spindle secured to the housing having bearings in said base and cover, a lamp within the housing, and circumferentially spaced windows in said housing located at varying planes along the longitudinal axis of the housing.

1,580,598. SOAP-BUBBLE PIPE. SIDNEY S. GROTTA, Hartford, Conn. Filed Dec. 3, 1921. Serial No. 519,743. 2 Claims. (Cl. 46—31.)

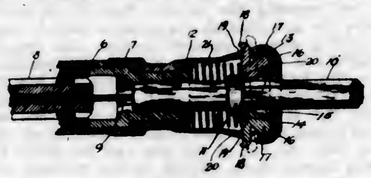


2. A soap bubble pipe comprising a substantially cylindrical reservoir for containing a charge of saponaceous liquid, a well formed in an end wall of said reservoir for collecting the residue of said liquid when said charge approaches depletion, a substantially conical discharge tube extending axially through said reservoir and through the other end wall thereof and with the apex opening of said tube disposed within said well, and a tubular stem extending into said reservoir and terminating adjacent to the wall of said discharge tube for blowing a film of said liquid through said tube to form a bubble.

1,580,599. TOOL RETAINER. HJALMER C. GUSTAFSON, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,731. 4 Claims. (Cl. 121—32.)

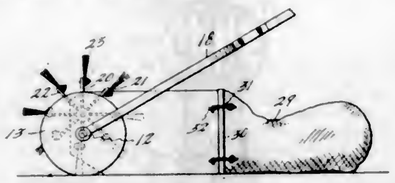
1. The combination with a tool holder having a socket in its front end and outstanding side ears, a hood in advance of the holder having an opening alined with the socket and rearwardly extending rods slidable in the ears, springs on the rods for urging the hood rearwardly, dogs pivotally mounted in the hood and having pro-

jecting operating elements, said dogs having bearings at their front ends against the hood and having abutment shoulders in rear of said bearings for engagement



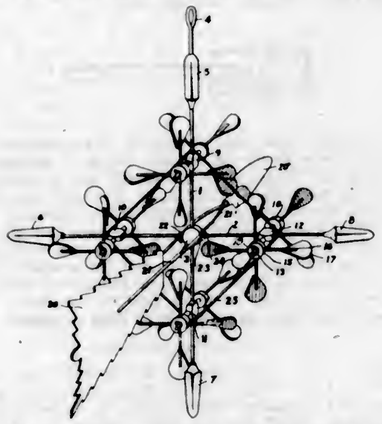
with the front face of the collar of the tool placed in the socket, and a coiled spring in the hood interposed between the dogs and holder.

1,580,600. LAWN SWEEPER. JOHN H. HOLBROOK, Sulphur Springs, Tex. Filed Dec. 10, 1923. Serial No. 679,560. 1 Claim. (Cl. 55—145.)



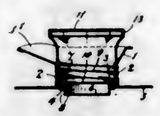
In a lawn sweeper, a trough, ground wheels supporting the trough, a revolving sweeper comprising radial transverse blades, bristles secured to outer edges of the blades, rigid fingers also secured to the outer edges of the blades and imbedded therein, said sweeper being mounted so that the bristles and fingers will sweep matter into the trough, and a comb mounted in the trough having bristles and rigid fingers embedded in the bristles, said fingers being spaced so that the fingers of the sweeper will pass therebetween.

1,580,601. TOY WINDMILL. ABRAHAM HUGILL, Seaforth, Ontario, Canada. Filed May 18, 1925. Serial No. 31,189. 4 Claims. (Cl. 46—14.)



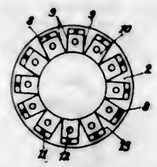
2. A toy windmill comprising a central body member, a vertical arm secured centrally in such body member, a horizontal arm also secured centrally in such body member, a windmill member rotatably mounted upon each arm and at each side thereof and at each side of the central body member, and intermediately between such body member and the end of the arm.

1,580,602. CLOSURE FOR CANS. FRANK S. HYATT, Brooklyn, N. Y. Filed Nov. 5, 1921. Serial No. 512,974. 4 Claims. (Cl. 221—22.)



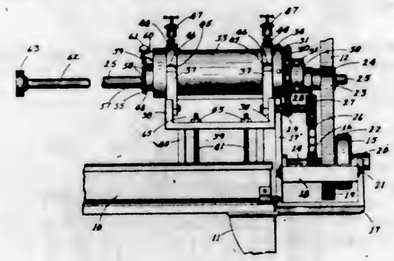
2. A closure for cans comprising a sheet metal mouth having an interior integral inwardly extending ledge, shoulder or offset near its bottom resting on the top of the can around an opening therein, the lip of said offset being continued around the edge of the opening and overturned against the under side of the top, a sealing disk provided with a lip or flange coated on its under surface with an adherent sealing coating and adapted to engage the upper surface of said shoulder and a cooperating sheet metal threaded stopper adapted to engage the mouth and force the sealing disk down to its seat by direct engagement of the metallic bottom of the stopper with the upper surface of said disk to form a permanent seal until rupture of the disk itself when the contents of the can are to be poured.

1,580,603. SHAFT PACKING. ASMUS JANS, Zurich, Switzerland, assignor to the Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed Mar. 17, 1922. Serial No. 544,563. 6 Claims. (Cl. 286—24.)



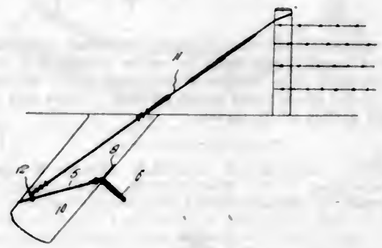
1. A shaft packing comprising a packing cage having a plurality of recesses arranged radially in the same plane, a packing element in each recess capable of radial movement therein, means to positively admit leakage medium to said recesses for action on two faces of an element that are at an angle to each other, whereby each packing element is radially movable in its recess and incapable of affecting or causing the movement of its adjacent element.

1,580,604. CYLINDER-GRINDER ATTACHMENT FOR LATHES. BENJAMIN F. JAMES, Rockland, Ontario, Canada. Filed Sept. 5, 1922. Serial No. 586,309. 1 Claim. (Cl. 51—261.)



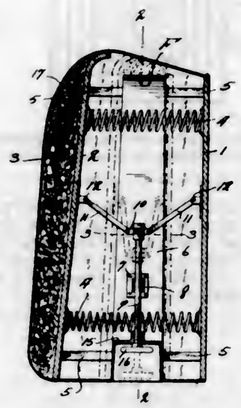
In a device of the character stated, a shaft, means for imparting rotary movement thereto, a rotatable cylinder having an eccentric longitudinal passage therethrough, a head for said cylinder having an eccentric opening coincident with said passage, a second cylinder mounted in said eccentric passage and opening and extended beyond said head and having an eccentric longitudinal passage, and receiving said shaft, a segmental gear on said second cylinder, and means cooperating with said gear wheel.

1,580,605. GROUND ANCHOR. SOLOMON JOHNSON, near Chatsworth, Iowa. Filed Mar. 21, 1925. Serial No. 17,247. 1 Claim. (Cl. 189—90.)



A ground anchor of the class described of substantial Y-shaped formation including an elongated flat plate having one end bent to form an angularly disposed extension, and a stop plate attached to the first plate at its juncture with its extension and disposed angularly thereto.

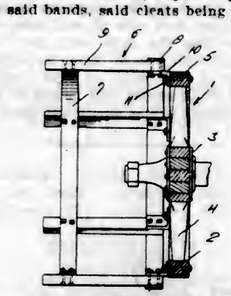
1,580,606. CUSHION. ALEXANDER HENRY JONES, Kansas City, Kans. Filed May 28, 1925. Serial No. 33,527. 2 Claims. (Cl. 155—158.)



1. A cushion comprising, in combination, front and back boards, an expansible medium interposed therebetween, a frame positioned between the boards, a cross member carried by the frame, a rod freely disposed through said cross member and inwardly of the frame, links pivotally connected with the boards, a member in swiveled connection with the inner portion of the rod, said links being also pivotally connected with said member, said rod being in threaded engagement with a member of the frame.

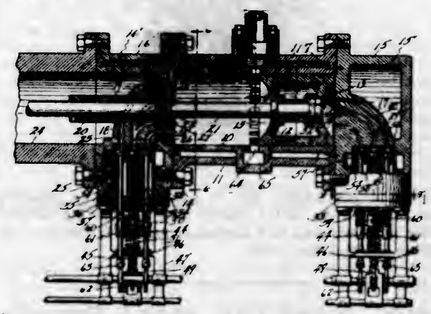
1,580,607. TRACTION DEVICE. FRANCIS T. JONES, Cresco, Iowa. Filed Oct. 15, 1925. Serial No. 62,682. 2 Claims. (Cl. 301—40.)

2. A traction attachment for connection to the outer side of a vehicle wheel comprising inner and outer annular bands, the outer band being of a diameter less than the inner band, transversely extending traction cleats arranged at circumferentially spaced points and connected with said bands, said cleats being connected to the



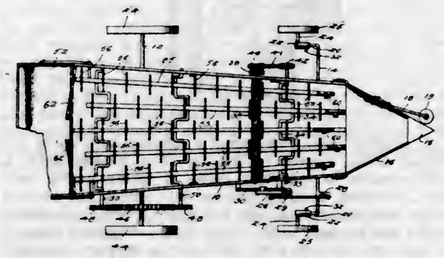
inner surface of the inner band and to the outer surface of the outer band, and attaching brackets connected with the inner end portions of said cleats.

1,580,608. ENGINE. JOHN U. JONES, Dallas, Tex. Filed Nov. 20, 1923. Serial No. 675,830. 15 Claims. (Cl. 123—61.)



1. In a double acting engine, a cylinder having a central exhaust opening, a piston working in the cylinder, heads at each end of the cylinder, each head having a fluid pressure chamber and a valve device arranged to admit a fuel charge and having provision for admitting fluid from said chamber to the cylinder on the working stroke of the piston and permitting a portion of the fluid to pass back into the chamber on the compression stroke of the piston for storage under pressure therein, and releasing said stored fluid when the exhaust opening by the piston is uncovered to blow out the gases remaining in the cylinder.

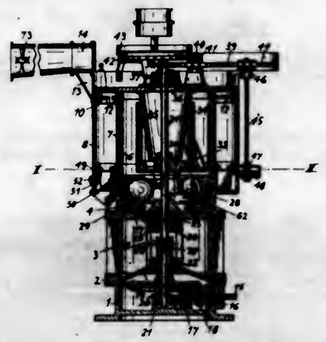
1,580,609. AGRICULTURAL IMPLEMENT. RUDOLPH KANIA, Vindex, Md. Filed Dec. 18, 1924. Serial No. 756,808. 2 Claims. (Cl. 55—9.)



1. An agricultural implement comprising a truck having a front and a rear axle, a scoop mounted at the forward end of said truck, means for varying the elevation

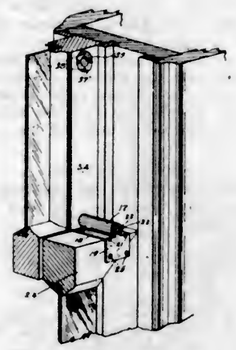
of the scoop with relation to the ground, crushing rolls journaled transversely on said truck in the rear of said scoop, a pair of crank shafts journaled transversely of said truck, one upon each side of said rear axle, means operatively connecting the rolls with the crank shaft, alternately reciprocating rake bars arranged parallel within the sides of the frame of said truck and connected with said crank shafts and means driven by said rear axle for rotating the last mentioned crank shafts.

1,580,610. PULVERIZER MILL. AUGUST KELLER, Berlin-Lichterfelde, Germany. Filed Jan. 25, 1924. Serial No. 688,435. 6 Claims. (Cl. 83—45.)



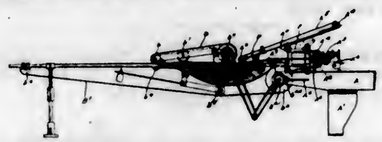
1. In a pulverizing mill, a grinding ring, a grinding ball in said ring, and a pusher member coacting tangentially with said ball and having a constantly shifting and rolling contact therewith.

1,580,611. WINDOW LOCK. ERNEST C. KIRKPATRICK, Seattle, Wash. Filed Nov. 20, 1923. Serial No. 675,818. 1 Claim. (Cl. 70—14.)



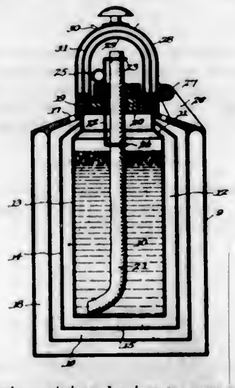
A window lock, embodying a tubular bolt guide arranged to be secured to the top of a window sash, a bolt movable in said bolt guide, a spring urging said bolt outwardly, a spring member bent double and secured to the end of said bolt, said bolt guide having an opening in one end through which the ends of said spring member project and shoulders on said spring member arranged to snap into locked engagement with the end of said bolt guide and to be released by pressure on the outer ends of said spring members.

1,580,612. STACKER. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Sept. 15, 1923. Serial No. 662,818. 16 Claims. (Cl. 271—87.)



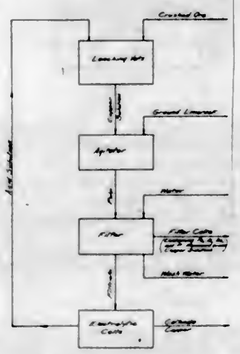
1. Mechanism of the character described comprising delivery means; and receiving means including a slack belt yieldable at a portion of its travel under the influence of the blanks; and means tending to raise said belt at said portion of its travel.

1,580,613. LIQUID-AIR CANDLE. STORY B. LADD, Washington, D. C. Filed Oct. 31, 1924. Serial No. 746,966. 3 Claims. (Cl. 62—92.)



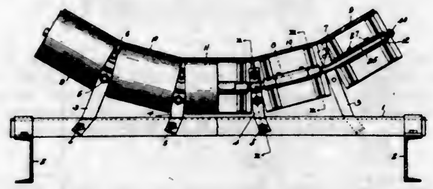
1. A liquid air container having an evaporating surface in capillary communication with its interior.

1,580,614. ELECTROLYTIC PRECIPITATION OF COPPER. FREDERICK LAIST and FREDERICK F. FRICK, Anaconda, Mont., assignors to Anaconda Copper Mining Company, Anaconda, Mont., a Corporation of Montana. Filed Oct. 23, 1925. Serial No. 64,456. 2 Claims. (Cl. 204—10.)



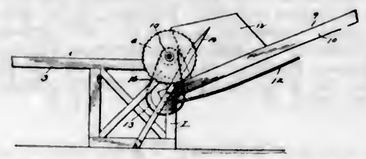
1. In a process for the recovery of copper from ores comprising leaching an ore with a solution containing an acid, subjecting the leaching solution to electrolysis to precipitate the copper and regenerate the acid and using the regenerated acid for leaching more ore, the step which consists in treating said leaching solution with a reagent capable of precipitating iron.

1,580,615. TROUGHING CONVEYER. EUGENE E. LANDAHL, Crafton, Pa. Filed June 9, 1925. Serial No. 35,887. 3 Claims. (Cl. 198—192.)



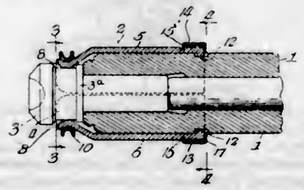
1. A troughing idler for a conveyer belt, comprising a horizontal frame, a plurality of posts supported by said frame and forming clamping brackets at their upper ends, tubular trunnions engaged intermediate of their ends by said brackets, a thrust resisting sleeve attached to each of said trunnions, and idle belt-supporting pulleys rotatably mounted on said trunnions, each pulley having two hubs arranged one at each end of one of said sleeves.

1,580,616. CORN-TOPPING MACHINE. DAN L. LANGHOFER, Lebo, Kans. Filed Dec. 26, 1924. Serial No. 758,202. 1 Claim. (Cl. 146—81.)



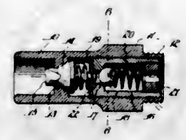
A corn topping machine comprising a frame, a conveyor frame extending upwardly therefrom, a rotary cutter blade mounted to one side and at the bottom end of the conveyor frame, a sheet metal angular gage secured to the conveyor frame, one side thereof extending transversely across the conveyor frame adjacent the bottom end thereof, the other end of the gage being disposed on the side of the conveyor frame opposite the cutter blade and extending away from the axis of the cutter, and guide means mounted on said first mentioned frame and disposed adjacent the cutter blade for guiding the corn to the latter.

1,580,617. RIVET-SET RETAINER. AXEL LEVEDAHL, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 23, 1921. Serial No. 502,763. 8 Claims. (Cl. 121—32.)



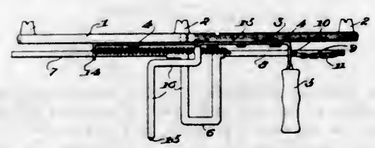
1. The combination with the barrel of a pneumatic hammer and a rivet set at the forward end of said barrel, of a tubular rivet set retainer surrounding said barrel and set and engaging both of the same, said retainer being divided longitudinally, means for holding said retainer on said barrel, and a solid ring about the outer end of the retainer for holding the same in non-yielding engagement with the set.

1,580,618. NOZZLE FOR FORCE-FEED LUBRICATORS. GEORGE W. LOVEQUIST and JOHN H. GEORGE, Bradford, Pa. Filed July 24, 1923. Serial No. 653,523. 2 Claims. (Cl. 289—18.)



1. A hose coupling for pressure feed lubricators comprising a valve-casing having an integral valve-seat therein intermediate its ends with a tapered opening through said valve-seat narrowing towards the front end of the casing, the portion of the bore of said casing in the rear of the valve-seat being threaded from its rear end, a valve plug seating in the valve-seat and having a forwardly projecting operating member and a rearwardly projecting stem, an auxiliary valve-seat threaded into the rear end of the valve-casing and adjustable therein with respect to the aforementioned valve-seat, the opening through said auxiliary valve-seat receiving the stem of the valve-plug, and a spring-actuated ball-valve seating in the auxiliary valve-seat and adapted to be opened by the stem of the valve plug.

1,580,619. SERVING-TRAY SUPPORT. JESSE E. McGEE, Guntown, Miss. Filed Aug. 28, 1924. Serial No. 734,764. 1 Claim. (Cl. 45—51.)

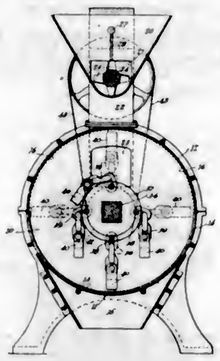


A serving tray support comprising a platform, cushioning means thereon, an inverted U-shaped bracket or frame on the lower surface of said platform, said frame being provided with alined bearing openings, a handle formed on said frame, a U-shaped slidable clamping member having oppositely extending alined bearing arms, said arms being adapted to extend through said bearing openings in said frame, a pair of fixed clamping members disposed at the opposite sides of said movable clamping member, a pair of springs positioned between said frame and said movable clamping member, adapted to draw said movable member toward said fixed members, and means for limiting the movement of said slidable clamping member.

1,580,620. PULVERIZER. THOMAS L. MCKAIN, Los Angeles, Calif. Filed May 24, 1922. Serial No. 563,350. 2 Claims. (Cl. 83—11.)

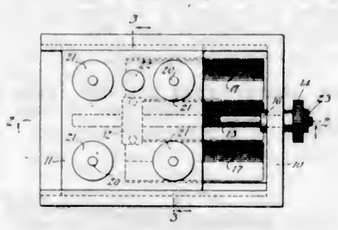
1. In a pulverizer of the character described, a drum, beaters rotatable within the drum around the axis thereof, said beaters when in rotation extending close to but not

touching the inner surface of the drum; the lower part of the lower half of the drum cylindrical wall being perforated and the remaining parts of the lower half



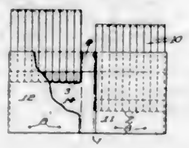
being imperforate and smooth surfaced, and the complete upper half of the drum cylindrical wall being corrugated with ribs that extend lengthwise of the drum.

1,580,621. VARIABLE CONDENSER. GEORGE JOHN MAHIEU, Rio de Janeiro, Brazil. Filed Apr. 15, 1925. Serial No. 23,311. 4 Claims. (Cl. 250—41.)



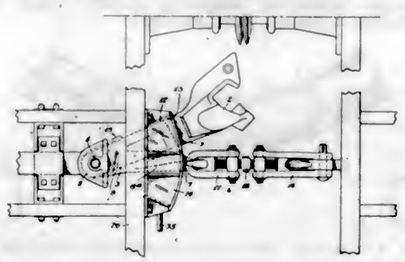
1. A condenser comprising a box, a slidable cover therefor, means for sliding said cover, a plurality of plates mounted in the box, a plurality of plates carried by the cover, and means on the cover for adjusting the plates carried thereby in a direction at right angles to the movement of the cover.

1,580,622. MATCH PACKET AND IGNITER. EDWARD M. MASSEY, Wynnewood, Pa. Filed Aug. 3, 1923. Serial No. 655,438. 2 Claims. (Cl. 206—29.)



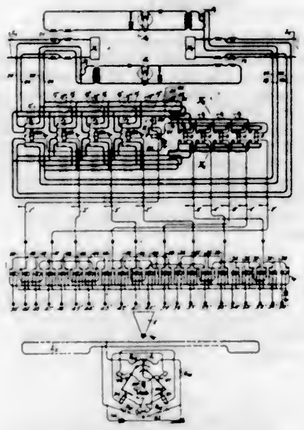
1. A folded paper match packet having two banks of matches made integral therewith, partly protecting and withdrawable therefrom without opening the packet, the match heads within the packet of one of the banks extending beyond the match heads of the other bank.

1,580,623. CAR COUPLER. WILLIAM JOSEPH METZGER and ARCHWOOD JOHN KASHUBECK, Cleveland, Ohio, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,114. 4 Claims. (Cl. 213—112.)



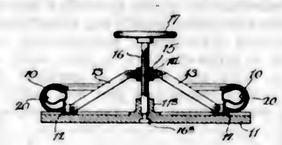
1. In coupling mechanism, unlike and alternatively used couplers pivotally attached to a common pivot pin arranged to transmit stresses to a railway vehicle therethrough, one of said couplers being supported by the other, and one of said couplers having a recess, and projection engagement whereby that portion of the pivot pin directly engaged by the said coupler is relieved of a part of the direct pulling stresses.

1,580,624. GAIN-CONTROL CIRCUITS FOR REPEATERS. HARRY NYQUIST, Elmhurst, N. Y., LEWIS L. BOUTON, Leonia, N. J., and HUGH F. SHOFFSTALL, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 12, 1923. Serial No. 662,284. 5 Claims. (Cl. 179—170.)



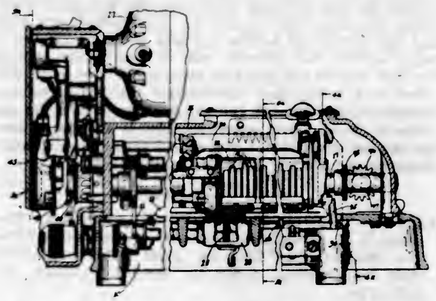
1. In a signaling system, a plurality of transmission circuits subject to similar variations in their electrical characteristics, one of said circuits being a pilot circuit, means associated with said pilot circuit responsive to changes in the electrical characteristics thereof, and means controlled by said responsive means for varying the characteristics of the other circuits in accordance with the variations in the characteristics of said pilot circuit, said last mentioned means comprising a transmission varying device.

1,580,625. METHOD OF MANUFACTURING TIRES. JOHN F. PALMER, St. Joseph, Mich. Filed Jan. 31, 1920. Serial No. 355,395. 6 Claims. (Cl. 154—14.)



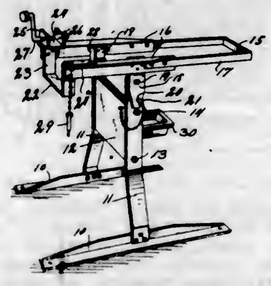
1. The method of forming an annular pneumatic tire casing which consists in forming the carcass thereof of strips laid tangent to the free edges and thereafter mechanically expanding such free edges to reduce the residual stretch therein a predetermined degree.

1,580,626. WORK-EJECTING MECHANISM FOR PRINTING MACHINES. WALTER B. PAYNE, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,624. 12 Claims. (Cl. 271—63.)



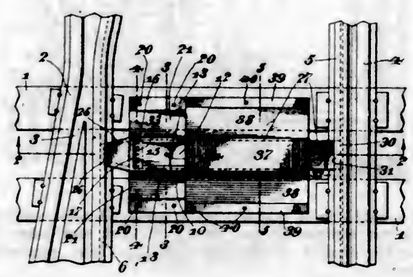
1. The combination with a printing apparatus and means for driving the same, of work ejecting mechanism therefor comprising an actuating connection with said driving means, manually actuated control means for starting the operation of said ejecting means, and an automatic device set by said control means for terminating the operation of said ejecting means.

1,580,627. WORK-SUPPORTING STAND. GEORGE M. PETERSON, Sturgeon Bay, Wis. Filed Dec. 4, 1924. Serial No. 753,946. 6 Claims. (Cl. 29—89.)



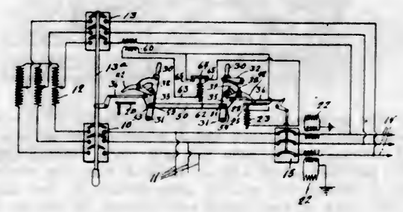
1. A work supporting stand of the character described comprising standards, a substantially U-shaped frame having its upper face disposed substantially in a uniform plane, said frame being pivoted to said standards for movement into or out of a horizontal plane, the open end of the U-shaped frame being connected by a transversely extending cross bar, the cross bar being depressed below the level of the frame, a clamp mounted upon the extremity of one arm of the frame, and a clamp mounted upon the extremity of the other arm of the frame, the last named clamp being pivotally mounted for rotation in the plane of the frame said clamp embodying opposed jaws.

1,580,628. GUARD-RAIL BRACE. RANSLOE BOONE ABBOTT, Reading, Pa. Filed Dec. 24, 1925. Serial No. 77,427. 6 Claims. (Cl. 238—288.)



2. A guard rail brace comprising a member having a socket opening in one end thereof and the other end thereof adapted to bear against the inner side of a guard rail or frog, a member one end of which is adapted to enter the said socket and the other end of which is adapted to bear against the inner side of a frog or guard rail, and means whereby the said members may be adjusted with relation to each other to vary the length of the said brace.

1,580,629. MOTOR-STARTING APPARATUS. CHESTER D. AINSWORTH, Wollaston, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 6, 1923. Serial No. 673,199. 12 Claims. (Cl. 172—289.)

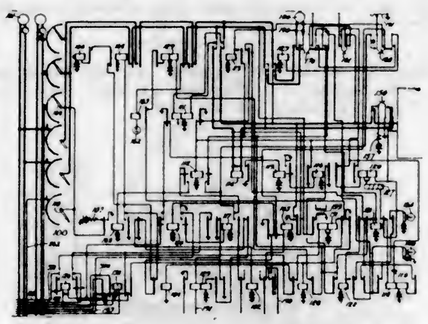


3. Motor starting apparatus including a starting switch and a running switch and means associated with the starting switch arranged to hold the running switch against closing until the motor starting current is at a predetermined value.

1,580,630. TELEPHONE-EXCHANGE SYSTEM. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 12, 1924. Serial No. 698,635. 13 Claims. (Cl. 179—27.)

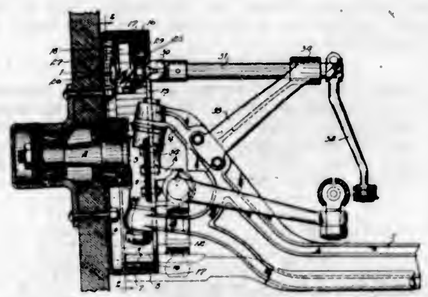
1. In a telephone system, calling lines, central office trunks, a plurality of automatic switches each individual to a trunk and common to a number of calling lines, a cut-off relay for each of said calling lines, a test relay for each of said trunks, means for energizing a cut-off relay prior to the operation of one of said automatic

switches, a circuit for the corresponding test relay, means under control of said cut-off relay for partially completing said circuit, and means rendered effective



when said one of said automatic switches locates a calling line for completing the circuit of said test relay to thereby prevent further operation of said automatic switch.

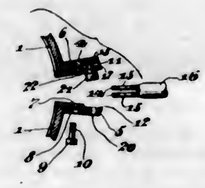
1,580,631. STEERING-WHEEL BRAKE. HERBERT W. ALDEN, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 26, 1922. Serial No. 608,943. 9 Claims. (Cl. 188—194.)



5. The combination, with an axle having a steering knuckle swiveled thereon and a wheel on the spindle of said knuckle, of a brake for said wheel, said knuckle being swiveled on an axis so inclined from the vertical that it strikes the ground substantially in the plane of the tread of the wheel, said knuckle having on its opposite sides vertically elongated lugs integral therewith, a disk mounted on said lugs parallel with the wheel and having a perforation whose wall fits the outer margin of said lugs, a circumferentially movable brake band movably mounted on said disk, an abutment on said disk for the end of said brake band, a shaft section mounted on said disk and having a cam in position to bear against the other end of said band, and a second shaft section operatively connected to said first section.

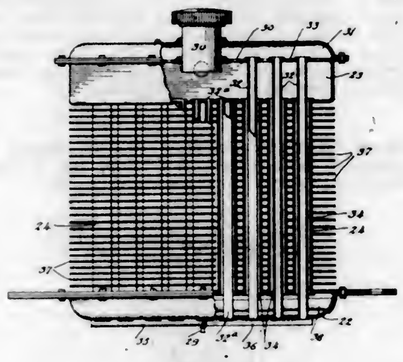
1,580,632. OPHTHALMIC MOUNTING. ALEXANDER ANDERSON, Irvington, N. J., assignor to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 15, 1925. Serial No. 75,502. 2 Claims. (Cl. 88—53.)

1. An ophthalmic mounting for spectacle frames with split rims comprising temple lugs one of which is provided with a slot extending in parallel relation to the upper and lower sides thereof and the other one of which is provided with a notch upon the upper side of its outer end portion, the latter lug being provided with a hole therethrough of a size to receive the head of a pivot screw and the other temple lug being provided with a hole extending transversely therethrough, the upper end of which is screw-threaded, a pivot screw extending through said holes and having a plurality of bearing portions extending across said slot and notch, a temple wire having ears mounted upon the said bearing portions



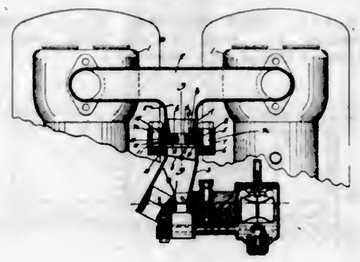
within the said slot and notch, and the said pivot screw being provided with a shoulder intermediate its head and one of the said bearing portions which is adapted to press against the adjacent side of one of the ears of the said temple and the said pivot screw also being provided with a shoulder intermediate the last mentioned bearing portion thereof and the bearing portion for the other of the said ears, which shoulder is adapted to bear against the lower side of the slotted temple lug, substantially as and for the purpose described.

1,580,633. RADIATOR. FRANK X. ATZBERGER, East Islip, N. Y. Continuation in part of application Serial No. 360,784, filed Feb. 24, 1920. This application filed June 5, 1922. Serial No. 566,048. 1 Claim. (Cl. 257—130.)



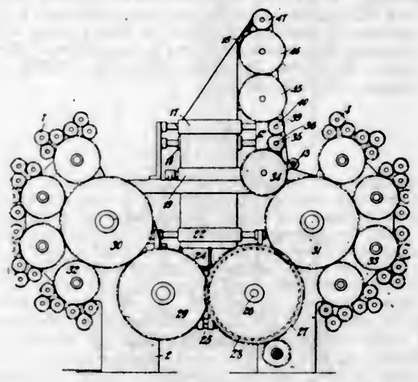
In a radiator for internal combustion engines, the combination of a lower water chamber, an upper water chamber, a chamber located above said upper water chamber and connected therewith through restricted openings, water tubes connecting the upper and lower water chambers, and tubes smaller than said water tubes and passing lengthwise through the same, said smaller tubes passing through the lower water chamber and having their lower ends in communication with the atmosphere and also passing through said upper water chamber and having their upper ends terminating in the chamber above said upper chamber.

1,580,634. REATOMIZER. FREDERICK O. BALL, Detroit, Mich., assignor to Ball and Ball Carburetor Company, a Partnership composed of Frederick C. Ball and Cornelia M. Ball, Detroit, Mich. Filed Apr. 2, 1921. Serial No. 458,136. 5 Claims. (Cl. 48—180.)



1. A re-atomizer comprising a ring forming a chamber; a nozzle discharging into the mixture passing through the ring; a connection between the nozzle and the chamber and a Venturi tube seated on the ring and having its throat in operative relation to the discharge of the nozzle.

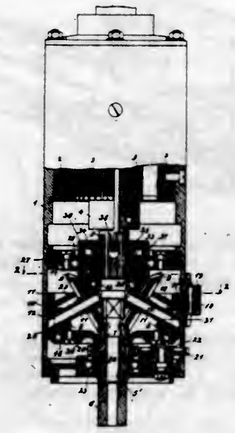
1,580,635. MULTICOLOR WEB-PERFECTING PRINTING PRESS. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 5, 1922. Serial No. 592,577. 26 Claims. (Cl. 270—21.)



1. In a multi-color web perfecting printing press, two proximate multi-color printing mechanisms, each comprising a plurality of form cylinders and a common impression cylinder, a web folding mechanism located above the two printing mechanisms, and means for leading the web through the printing and folding mechanisms.

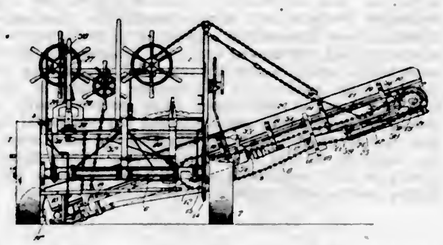
1,580,636. ELECTRIC STARTER FOR INTERNAL-COMBUSTION ENGINES. KARL ARPAD BARENYI, Berlin-Lichterfelde, Germany. Filed May 12, 1924. Serial No. 712,914. 7 Claims. (Cl. 74—59.)

1. In a gearing, the combination, with two shafts in axial alinement with each other, of bevel gears of different diameters respectively mounted on said shafts, and coaxial bevel gears of different diameters connected with each other and having their axis disposed angularly of the axis of said shafts, the larger bevel gear of the coaxial gears meshing with the smaller bevel gear on one



of said shafts and the smaller bevel gear of the coaxial gears meshing with the larger bevel gear on the other one of said shafts.

1,580,637. ELEVATING GRADER. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed May 24, 1924. Serial No. 715,577. 7 Claims. (Cl. 198—208.)

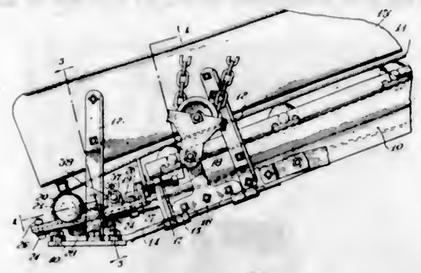


1. In an elevating grader, the combination with a main frame, and an elevator frame, of a drum mounted at the outer end portion of the elevator frame, an endless belt traveling over said drum, members mounted to slide longitudinally of the elevator frame and supporting said drum, levers connected with the elevator frame and with said sliding members and operable to adjust the latter longitudinally of the elevator frame, and devices adapted to be actuated from the main frame for operating said levers.

1,580,638. ELEVATING GRADER. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed May 28, 1924. Serial No. 716,431. 6 Claims. (Cl. 198—230.)

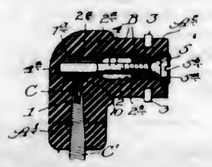
1. An elevator for elevating graders comprising, in combination, a frame, an endless belt, a roller adjacent

to one end of said frame over which roller said belt passes, supporting means for said roller movable longi-



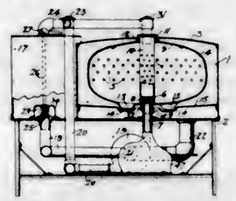
tudinally of said elevator frame to adjust the tension of the belt, and a dirt pan adjustable relatively to and movably with said supporting means.

1,580,639. ELECTRIC CONNECTER. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 1, 1920. Serial No. 420,947. 1 Claim. (Cl. 173—269.)



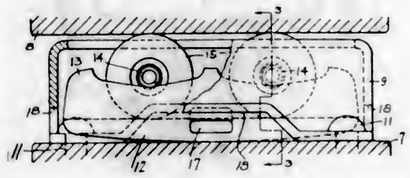
A device of the character set forth comprising a member of elbow form composed of insulating material and having one arm affording a plug provided with a bore having an inner end portion of angular cross-section and having at its outer end a counter-sink, the other arm having a bore intersecting and crossing the inner end portion of said first-named bore, said bores having blind inner ends, a screw in said first-mentioned bore having an angular head received in the angular portion of the bore, the head of said screw being provided with a transverse perforation, and a tubular nut journalled in said first-mentioned bore and threaded on said screw, the extremity of said nut being provided with a flange resting in said countersink and said nut having a projecting portion adapted to serve as a contact member.

1,580,640. WASHING MACHINE. REGINALD BIRBY, Edmonton, Alberta, Canada. Filed Sept. 8, 1924. Serial No. 736,604. 2 Claims. (Cl. 68—18.)



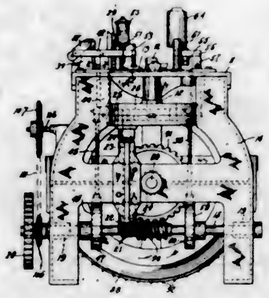
1. In a washing machine, a plurality of stationary tubs and a rotatable clothes receptacle in one of said tubs having feed and discharge pipes at its upper and lower ends respectively, and pressure means intermediate of said feed and discharge pipes, and a drainage trough below said clothes receptacle within one of said tubs and cups forming part of the underside of said clothes receptacle and travelling in said trough and adapted to return a portion of the water back to said receptacle.

1,580,641. SIDE BEARING. WILLIAM BIERMAN, Pittsburgh, Pa. Filed Nov. 6, 1924. Serial No. 748,186. 2 Claims. (Cl. 308—226.)



2. Bearing structure comprising a plate having a curved bearing surface upon one side and a roller-contacting surface upon the other side, said plate normally resting solely at substantially a mid-point on its curved surface, a roller normally supported upon said contacting surface at each side of said mid-point and having rolling movement on said surface, a bearing member movable into engagement with the rollers at points opposite to their points of contact with said contacting surface, and means for effecting return movement of said rollers to their normal positions after deflection therefrom.

1,580,642. MACHINE FOR MANUFACTURING BOTTLE CLOSURES. JOHN BINDER, New Hyde Park, N. Y., assignor, by mesne assignments, to New Process Cork Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 19, 1925. Serial No. 10,314. 3 Claims. (Cl. 113—80.)

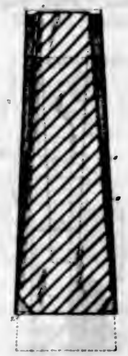


1. In a machine for the manufacture of bottle closures of the cap variety, the combination with an intermittently moving cap transporting mechanism, of a chute for the caps in operative relation thereto, a reciprocable member, a slide, a finger pivoted to said slide, and a bell-crank lever in engagement with said finger and said reciprocable member for causing said finger to convey a cap from said chute to said transporting mechanism during each period of rest of the latter.

1,580,643. NECKTIE CONTAINER. OSCAR C. BINDER, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,689. 3 Claims. (Cl. 206—46.)

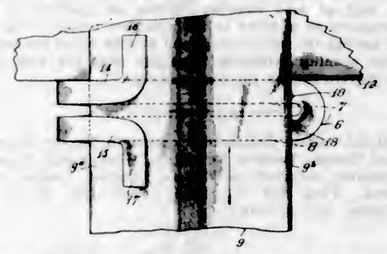
3. A package comprising a substantially tapered container, a substantially tapered insert, a tie or the like

disposed around said insert, said insert with the tie thereon being slidable relatively to and disposed within



the container, the respective shapes of the container and insert causing the walls of the container to compress the tie against the insert.

1,580,644. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1922. Serial No. 592,047. Renewed June 6, 1923. 39 Claims. (Cl. 238—330.)

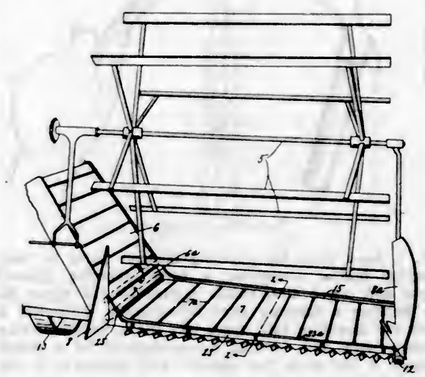


10. A one-piece device for preventing the longitudinal creep of railroad rails, comprising a metal bar bent substantially medially and having its two portions extending substantially transversely under the rail base, the free ends of said respective portions being bent to form seats adapted to engage the bottom of the rail base and then so as to form jaws adapted to extend around and over the adjacent rail base flange, said jaws being so arranged that they bear upon the upper side of said flange and are forced away from said seats when the device is driven transversely onto the rail, the connected ends of said portions being provided with a shoulder adapted to engage the other base flange in such manner that reverse transverse movement of the device on the rail is prevented.

1,580,645. WINDSHIELD GUARD. JOSEF BRANDSTETTER, Chicago, Ill. Filed Nov. 1, 1924. Serial No. 747,149. 14 Claims. (Cl. 20—40.5.)

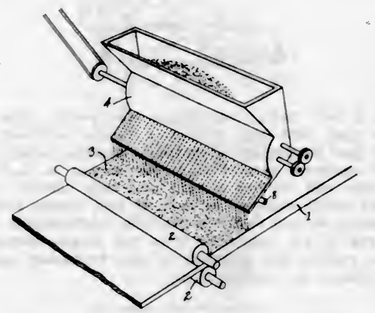
1. A moisture guard for the frontal window pane of a vehicle, comprising a curtain of compressed air projected downwardly from above the window pane, the said curtain having a main portion extending in front of the window pane and wings extending from the said main portion substantially to the adjacent front of the vehicle at opposite sides of the window pane.

1,580,646. GUARD FOR GRAIN-BINDER CONVEYERS. JOHN C. BRATTLY, St. Paul, Minn. Filed May 1, 1925. Serial No. 27,204. 4 Claims. (Cl. 56—181.)



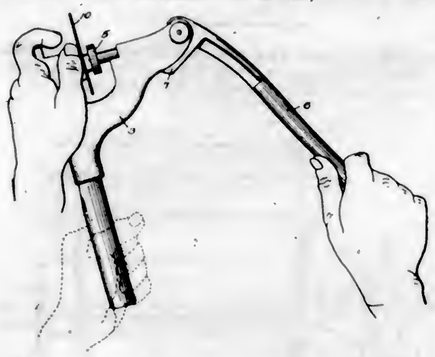
1. The combination with a grain binder having the usual platform frame and an endless conveyer and an inclined elevator arranged to receive the cut grain from the conveyer; said frame having a front sill, guard fingers projecting from the lower edge of the sill, an angle bar having a vertical flange secured by bolts to the front side of the upper portion of the sill and a horizontal flange proje[illegible]closely over the front edge of the conveyer apro[illegible]

1,580,647. [illegible]OCESS FOR TREATING FERROUS METAL TO PREVENT CORROSION. GEORGE D. BEECK, Cleveland, Ohio. Filed Feb. 25, 1921. Serial No. 447,772. 9 Claims. (Cl. 148—7.)



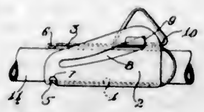
1. The process of producing non-corrodible metal elements which contains the steps of heating a slab or sheet of ferrous metal to a high temperature short of melting, covering the same with a superficial coating of a finely divided metallic substance which consists largely of chromium, and immediately rolling said slab or sheet while it is still plastic to the desired shape and size whereby said metallic substance is incorporated with the ferrous metal.

1,580,648. PRESS. MOSES F. CARR, Lexington, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 18, 1922. Serial No. 601,852. 3 Claims. (Cl. 1—50.)



1. A hand press for applying fastener parts to their carrying fabrics comprising a frame carrying opposed upper and lower dies, means carried by the upper die for holding a fastener part in assembly therewith, a lever for operating said upper die, and a handle portion aligned with and forming a continuation of a frame portion of the press that extends into adjacency to the lower die, whereby an operator may have one hand on the lever and the other on the frame for positioning a fastener part of the lower die during an initial relatively light approaching movement of said dies and may then slide said other hand along the frame portion onto the handle portion forming a continuation of said frame portion while said dies are held in their initially approached position to a position where final pressure may be applied without one hand having any substantial advantage in leverage over the other.

1,580,649. TUBE CLAMP. HANS CHR[illegible]NSEN, Lynn, Mass., assignor to Geo. J. Kelly, Inc., Lynn, Mass., a Corporation of Massachusetts. Filed Sept. 4, 1925. Serial No. 54,453. 2 Claims. (Cl. 251—5.)

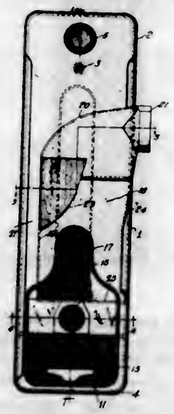


1. A tube clamp comprising a base portion, side members upon said base portion, a tongue combined with said base portion and occupying a position between said side members, parallel slots one formed in each side member and inclined toward said base portion, and a slider acting against the back of said tongue and also engaging in said slots and movable longitudinally therein and of the tongue to press the tongue toward the base portion and compress a tube interposed between the tongue and base portion.

1,580,650. PROCESS OF SEPARATING HAFNIUM AND ZIRCONIUM. DIRK COSTER, Haarlem, Netherlands, and GEORG VON HEVESY, Copenhagen, Denmark, assignors to Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken. Filed Mar. 13, 1924. Serial No. 699,144. 22 Claims. (Cl. 23—22.)

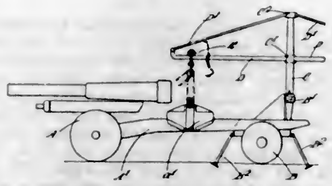
1. The method of separating hafnium and zirconium, which comprises progressively fractionally separating one of the elements as hydroxide, and collecting the separated fractions.

1,580,651. RADIATOR. EUGENE V. DAILY, Chicago, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,715. 7 Claims. (Cl. 237—17.)



1. A vent section for a gas-fired radiator comprising, a walled chamber for the reception of products of combustion, a wall of said chamber having a flue opening, one wall of said chamber having an opening to the atmosphere at a point in the chamber remote from the wall having the flue opening, and a baffle below the second recited opening extending upwardly from the wall adjacent thereto toward the flue opening.

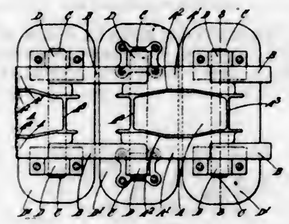
1,580,652. GUN CARRIAGE. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, assignors to Vickers, Limited, London, England. Filed Apr. 17, 1925. Serial No. 23,821. 6 Claims. (Cl. 89—40.)



1. A travelling or fore-carriage for supporting the trail of a heavy field gun carriage, means on said carriage for lifting the rear end of the trail from a position on the ground outside of the wheels of the fore-carriage, and means for co-operating with said lifting means whereby the trail may be moved laterally to its position of travel on the fore-carriage.

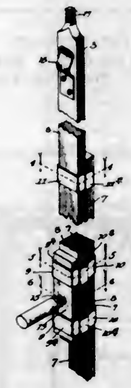
1,580,653. ENDLESS TRACK VEHICLE. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, assignors to Vickers, Limited, Westminster, England, a British Company. Filed Apr. 18, 1925. Serial No. 24,023. 2 Claims. (Cl. 305—10.)

2. A track for an endless track vehicle, for use with pairs of laterally separated supporting rollers, comprising alternate inner single and outer double links which are connected together by pivot pins and of which the outer double links are situated laterally apart at a distance corresponding to the lateral separation of the supporting rollers, laterally projecting flanges on said inner links the inner surfaces of these flanges constituting



continuations of the inner surfaces of the outer links, and substantially vertical thrust plates formed on said inner links and situated between the paths of the supporting rollers.

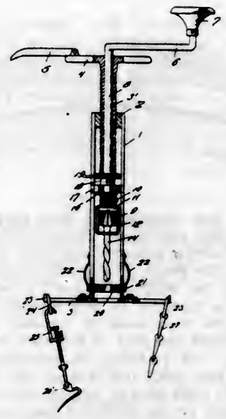
1,580,654. CLOTHESLINE PROP. JAMES W. DAWSON, Chicago, Ill. Filed Dec. 19, 1923. Serial No. 681,504. 1 Claim. (Cl. 287—58.)



A clothes-line prop having a pair of members connected by spaced loops to be relatively adjusted longitudinally, one of said members containing a threaded opening handle-equipped means for releasably securing said members in adjusted position, said means comprising a block extending through a pair of said loops to bear against the outer face of said member and containing a threaded opening to register with said first-named opening, and a grip-handle for manipulating the prop in placing it into and removing it from operative position, said handle being provided with a screw-thread working through said block-opening and in the opening in said member against the opposing face of the outer member.

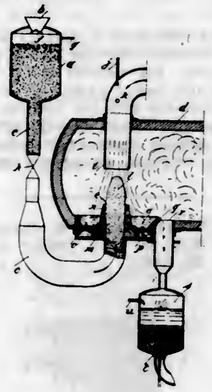
1,580,655. PORTABLE DRILLING MACHINE. WILLIAM J. DAWSON, Colbran, Colo. Filed Jan. 28, 1925. Serial No. 5,278. 1 Claim. (Cl. 77—57.)

A portable drill of the character described comprising a frame, a sleeve threadedly mounted in the frame and provided with an enlarged head at its outer extremity, a shaft rotatably mounted in the sleeve and provided with a bit receiving socket at one end, and an offset portion at its other end, a lever pivoted to the enlarged head on the sleeve and adapted to interlock with the offset portion of the shaft for causing a simultaneous rotation, and feeding of the shaft in respect to the frame, a guide block slidable in the frame, said frame being provided with a pair of guides engageable by said block,



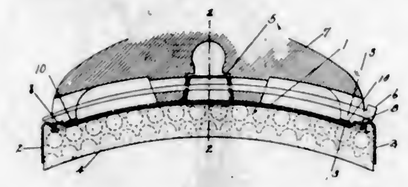
said shaft passing through said guide block, a collar on the shaft engageable with said guide block, and holding the same in engagement with the bit receiving socket end, the inner end of said sleeve adapted to abut said collar.

1,580,656. PROCESS AND APPARATUS RELATING TO THE COMBUSTION OF SOLID FUEL. MARCEL DE CONINCK, Cannes, France. Filed Jan. 24, 1924. Serial No. 688,245. 8 Claims. (Cl. 110—24.)



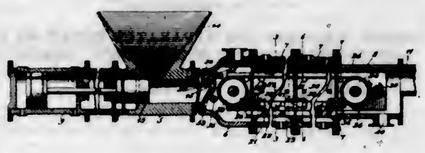
6. In an apparatus for burning fuel in the state of a semi-fluid mixture, the combination with a fuel combustion chamber of a fuel residue collecting vessel at the bottom of the chamber, an upwardly directed fuel inlet pipe passing through the bottom of said vessel, means for allowing the fuel residue to outflow from said vessel, and means for leading a combustion promoter such as air into said chamber.

1,580,657. BRAKE SHOE. MURRELL R. DE FRANCE, Bellevue, Pa., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 12, 1921, Serial No. 507,308. Renewed Sept. 14, 1925. 2 Claims. (Cl. 188—254.)



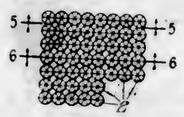
2. A brake shoe comprising a shell pressed from relatively thin metal and having reticulated sides, the back of said shell having adjacent each end thereof a single slotted orifice the metal of which is pressed upwardly to form a lug on the back of the shell, a reinforcing plate having portions arranged to pass through the orifices in the back of the shell made in forming such lugs and arranged to clinch the back of the shell for securing the plate thereto, and a filling of frictional composition pressed into said shell and through the orifices in the back thereof to form keys or buttons in conjunction with the lugs formed by the displaced metal of such orifices and to lock the reinforcing plate to the back of the shell.

1,580,658. DRYING APPARATUS. CROSBY FIELD, New York, N. Y. Filed Jan. 5, 1921. Serial No. 435,272. 14 Claims. (Cl. 34—12.)



1. In a drying apparatus, a plurality of drying chamber sections, a material receiving section and a material discharging section the sections being provided with means whereby any desired number of the chamber sections may be connected with the receiving and discharge sections in operative relation to each other, and a material conveyor support consisting of a plurality of units adapted to be arranged within the drying chamber sections.

1,580,659. JEWELRY. HENRY W. FISHEL, New York, N. Y. Filed Feb. 23, 1923. Serial No. 620,617. 4 Claims. (Cl. 29—189.)

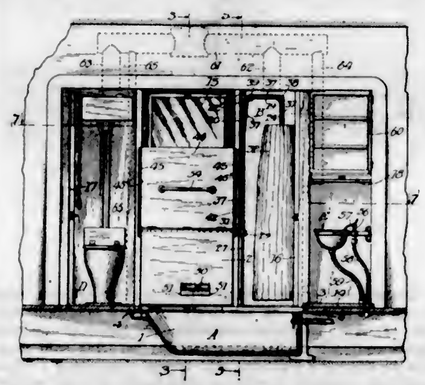


3. An article of jewelry comprising a metallic body portion having a plurality of perforations formed therein and spaced from each other, the metal of said body portion intermediate said perforations being intact whereby a plurality of ornament receiving areas are presented intermediate said perforations, a plurality of ornaments carried by said ornament receiving areas, the ornaments each being of such a size that the area carrying the same is completely covered thereby, the ornaments being so positioned with respect to said perforations that said perforations appear intermediate said ornaments.

1,580,660. COMBINATION POCKET COMB AND MIRROR CASE. ARTHUR H. FRANKE, Manitowoc, Wis. Filed Apr. 6, 1925. Serial No. 21,249. 5 Claims. (Cl. 132—79.)

1. A combination pocket comb and mirror case comprising a front having an aperture therethrough, a back integral with the front, marginal flaps carried jointly by said back and front and folded inwardly between such back and front, a tongue integral with said front, said tongue being fodled into the space between said back and said flaps to provide a comb pocket, and a mirror positioned rearwardly of said front adjacent said aperture.

1,580,661. BATH AND TOILET INSTALLATION. LOUIS E. FUNK and LILLIAN G. FUNK, Oak Park, Ill. Filed Jan. 12, 1923. Serial No. 612,351. 10 Claims. (Cl. 20—1.11.)

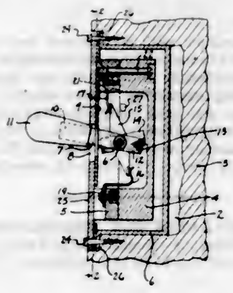


1. A bath and toilet installation comprising a bath tub installed below the floor level and adapted to be covered by a removable floor section or sections, a shower bath apparatus, a cabinet provided with an open-sided compartment adapted to enclose said shower bath apparatus, said shower bath apparatus comprising a pivoted hollow supporting arm for the spray head thereof, the relation being such that said spray head may be swung outwardly over the bath tub and inwardly into said compartment, water supply connections comprising a flexible connection adapted to permit pivotal movement of said hollow arm, a curtain for confining the water jets from the spray head, and means for supporting said curtain constructed and arranged for raising and lowering the same bodily, the relation being such that when said curtain is in raised position its lower end will clear the bottom of said shower bath compartment, and when in lowered position will be below the top of the bath tub.

1,580,662. ALLOY. PIERRE GIRIN, Paris, France, assignor to Societe Anonyme de Commentry Fourchambault & Decazeville, Paris, Seine, France. Filed Apr. 16, 1919. Serial No. 290,600. 2 Claims. (Cl. 75—1.)

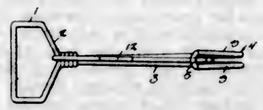
1. An article of manufacture for use in the liquefaction of gases which retains its resiliency and mechanical strength at the low temperatures realized in the liquefaction of gases, composed of a nickel-ferrous alloy comprising 40 to 70% of nickel, 0.8 to 5% of manganese, and the principal portion of the remainder of iron.

1,580,663. ELECTRIC WALL SWITCH. STEPHEN S. GRADY, Newtonville, Mass., assignor, by mesne assignments, to Meteor Electric Corporation, New York, N. Y., a Corporation of New York. Original application filed Mar. 2, 1923, Serial No. 622,352. Divided and this application filed Sept. 24, 1924. Serial No. 739,500. 4 Claims. (Cl. 200—68.)



1. In a wall electric switch the combination of an axle, two electrical contacts, a rocking contact driven member mounted on the axle and adapted to connect said contacts, said rocking contact driven member being provided with a yielding arm having a convex operated surface, an operating lever mounted on the axle and having an actuating arm extending out from the wall switch and a driving arm provided with a convex operating surface mounted within the wall switch adjacent to and in cooperation with the convex actuating surface on the yielding arm of the rocking contact driven member, the rocking of the lever being adapted to make and break the current in the wall switch.

1,580,664. SNAP HOOK. FRANK H. GRAIF, Jr., Owatonna, Minn. Filed Dec. 5, 1925. Serial No. 73,449. 2 Claims. (Cl. 24—237.)

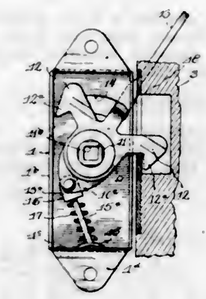


1. A snap hook of the class described comprising a shank portion consisting of a pair of substantially parallel arms terminating in upwardly extending hook portions arranged in spaced relation, the extremity of which terminates in a shoulder portion, a spring tongue associated with the substantially parallel arms and provided at its extremity with an upwardly extending knob adapted to abut against the shoulder portion, said knob terminating in a downwardly extending lip projecting between the substantially parallel hook for resisting the lateral movement of said tongue while the same is being compressed, and said tongue provided with a flattened portion intermediate the ends thereof for increasing the spring action of said tongue, and a binder extending and wound about said substantially parallel arms near their inner ends.

1,580,665. PROCESS FOR PRODUCING A JELLY BASE. AAGE GUSMER, Newark, N. J. Filed Jan. 10, 1921. Serial No. 436,327. 6 Claims. (Cl. 99—11.)

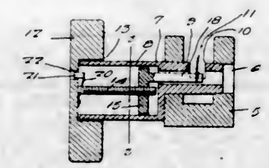
1. In the art of jelly making, that step which consists in adding to a pectose extract obtained from vegetable pulp, a fungus possessing both diastatic and fermenting properties active in slightly acid media to convert the starch and albumen constituents of the extract into modified forms and prevent precipitation thereof.

1,580,666. SLIDING-DOOR LATCH. AUGIE L. HANSEN, Chicago, Ill., assignor to A. L. Hansen Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed June 10, 1925. Serial No. 36,077. 8 Claims. (Cl. 292—128.)



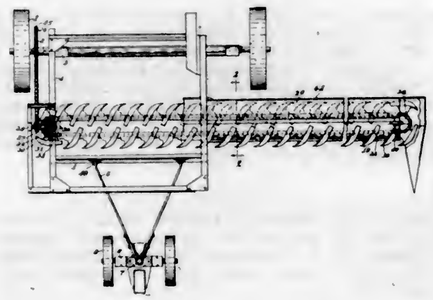
1. A latch comprising a latch casing, a latch member mounted in said latch casing for oscillatory movement and comprising oppositely disposed latching heads, adapted to be alternately shifted into latching position in the movement of said latching member, and a handle integral with said latching member and extending through one side of said latch casing.

1,580,667. TUNING PEG FOR VIOLINS AND THE LIKE. ANDREW HANSON, San Francisco, Calif. Filed Apr. 18, 1925. Serial No. 24,131. 3 Claims. (Cl. 84—304.)



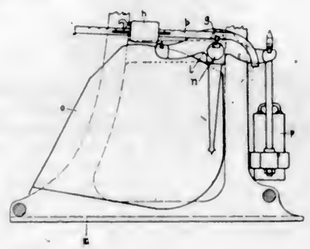
1. A tuning peg of the class described including a casing, a nut movable longitudinally of the casing, means for preventing rotation of the nut, a knob rotatable on the casing, a threaded shank extending from the knob and engaged with the nut for sliding thereof, a spring on the inner side of the knob, a pin on the spring extending through an opening in the knob so that when the nut engages with the spring, the pin will be extended through the opening, and a string engaging member provided on the nut.

1,580,668. REAPING MACHINE. HENRY MORGAN, Cedar Falls, Iowa, assignor of one-third to Charles Lee Ostrander, Waterloo, Iowa, and one-third to Clarence H. Wise, Cedar Falls, Iowa. Filed Apr. 12, 1924. Serial No. 705,991. 10 Claims. (Cl. 56—229.)



1. In a reaping machine, a sickle, driving means, and a device driven thereby along said sickle, having projections directed angularly relatively thereto and bent reversely across the sickle.

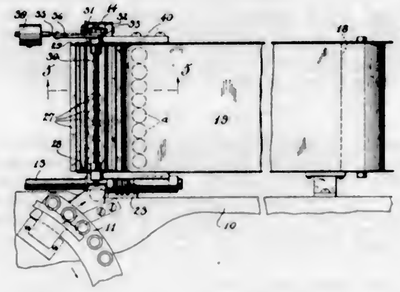
1,580,669. AUTOMATIC WEIGHING APPARATUS. CARL NAGEL, Gliesmarode, near Brunswick, Germany. Filed Mar. 19, 1924. Serial No. 700,355. 4 Claims. (Cl. 249—54.)



1. In a weighing apparatus, the combination with the scale beam and weighing members connected therewith, of a lever attached to and acting on said beam so as to swing with it and adapted to be set in position clear of the scale beam, and means connected with said lever counteracting the main weight.

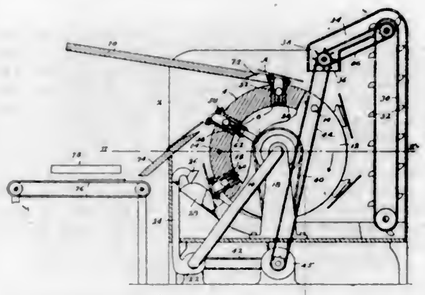
1,580,670. DELIVERY MECHANISM FOR BOTTLE-CAP-ASSEMBLING MACHINES. BERTHOLD NAGY, Brooklyn, N. Y. Filed Feb. 10, 1922. Serial No. 535,634. 18 Claims. (Cl. 198—31.)

1. In connection with a bottle cap assembling machine comprising a rotary finishing head, the combination of a delivery mechanism consisting of a narrow conveyor belt running with a speed substantially corresponding to the angular speed of the finishing head and being laterally disposed to the same so as to receive the assembled caps dropping from the said finishing head, a wire conveyor belt, running at lower speed than the narrow belt and at a right angle to the same, having one end closely adjacent to the narrow belt, means directly and simultaneously actuating said belts, an intermittently rotary transfer device above said narrow belt, and means co-operatively connected with aforesaid belt actuating means for intermittently actuating said transfer device, whereby caps upon said narrow belt will be simultaneously removed therefrom in groups and delivered to said wide belt.



18. In combination with a machine for making and assembling bottle caps having an assembly wheel, delivery means adapted to convey the caps from the said assembling wheel, examining means adapted to receive the caps from the said delivery means, and means adapted to be intermittently operated by the movement of the said assembly wheel for moving the caps from the said delivery means to the said examining means.

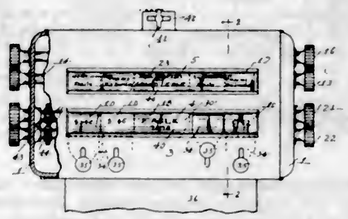
1,580,671. APPARATUS FOR PROCESS EMBOSSING. RICHARD J. NICHOLS, Kansas City, Kans. Filed Feb. 20, 1922. Serial No. 537,817. 5 Claims. (Cl. 91—59.)



1. In an apparatus of the character described, a rotary vacuum drum adapted to carry printed matter therewith, means for sprinkling powder upon the printed matter as it is carried around by said drum, an elevator for lifting said powder above the level of the drum, means for distributing said powder over the printed matter carried by the drum, a nozzle through which air is discharged to blow off the excess powder from the printed matter, a chute leading back to the elevator and adapted to receive the excess powder, and a nozzle through which air is discharged into said chute for blowing the excess powder therethrough to said elevator.

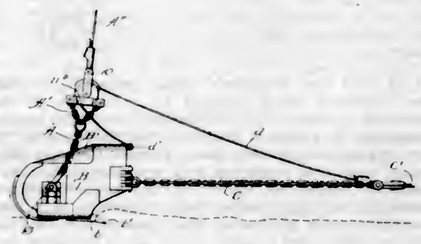
4. In an apparatus of the character described, a rotary vacuum drum having a radial port extending through the cylindrical shell thereof, a valve arranged within said port and adapted to control communication between the interior of said drum and the outer atmosphere, spring means for actuating said valve, and a roller within the drum which closes the port at each revolution of said drum.

1,580,672. DEVICE FOR INDICATING TRAIN TIMES. FRED S. NOWLAND, Grand Rapids, Mich. Filed Oct. 18, 1923. Serial No. 669,297. 3 Claims. (Cl. 40—86.)



1. In a device of the character described: a turnably-movable member displaying station names and a plurality of schedules of train times registering with said names respectively, said names and schedules successively-extending in the direction of said member's movement and said names and times of trains thereat being arranged transversely of said movement; a casing for said member having an opening through which only one train time of each of said schedules is visible; shutters each independently movable into and out of position to conceal one train time.

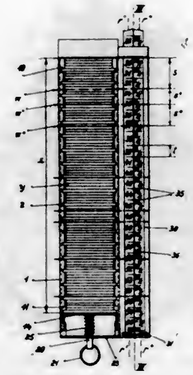
1,580,673. EXCAVATING SHOVEL. JOHN W. PAGE, Chicago, Ill. Filed May 18, 1925. Serial No. 31,052. 7 Claims. (Cl. 37—115.)



1. In a device of the class described; a shovel open at the forward end, and closed at the bottom, back, sides and top; means for hauling the shovel to load it; means for lifting the shovel; and means whereby simultaneous tension on the lifting means and the hauling means will cause the forward end of the shovel to swing upwardly, said means including a sheave located above the shovel, attached to the lifting means, and lying in the direct line of said lifting means and its point of attachment to the shovel, and a holding rope passing over said sheave and having one end attached to the hauling means and the other end attached to the shovel.

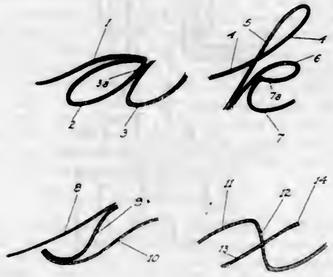
1,580,674. TERM-CONTROLLING APPARATUS FOR ESTABLISHMENTS FOR INDICATING THE DEGREE OF OCCUPATION AND THE PROGRESS OF WORK. ERNST PAMPERREL, Welz, Austria. Filed Nov. 19, 1925. Serial No. 70,202. 11 Claims. (Cl. 40—28.)

1. In an apparatus of the type set forth the combination of a carrier, a plurality of distance pieces loosely arranged and constituting a pile in such carrier, markers adapted to be inserted between adjacent distance



pieces of the pile and a scale adapted to indicate the total thickness of the distance pieces between any two markers.

1,580,675. CHART FOR TEACHING PENMANSHIP. NINA L. PATTERSON, Harmony, Calif. Filed Jan. 31, 1925. Serial No. 5,985. 1 Claim. (Cl. 283—45.)

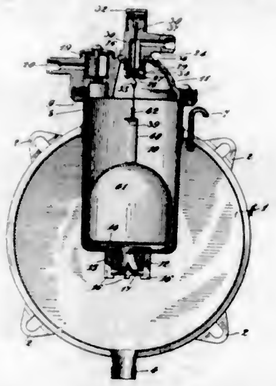


A penmanship chart comprising letters having the different stroke lines displayed in relatively different colors, the ends of certain stroke lines for a limited distance being the same color as the next succeeding stroke lines to indicate the proper beginnings and terminals of the stroke lines so designated.

1,580,676. LIQUID-FUEL FEED. GEORGE RAMSEY, Brooklyn, N. Y., assignor, by mesne assignments, to Stewart Warner Speedometer Corporation, a Corporation of Virginia. Filed Dec. 21, 1921, Serial No. 524,003. Renewed July 16, 1925. 18 Claims. (Cl. 103—236.)

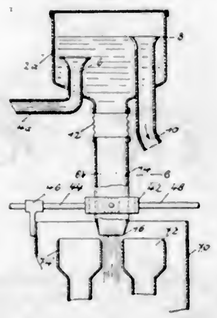
1. In a vacuum fuel feeding system, the combination of a storage chamber, a vacuum chamber, means to produce suction, a vacuum conduit located above the liquid level in the vacuum chamber and operatively connecting said means with the vacuum chamber, and a pair of

valves controlling the effect of the suction on said vacuum chamber said valves comprising a large valve and a small valve, both of said valves controlling openings



from the vacuum chamber leading to the vacuum conduit, and means for opening and closing the small valve prior to the opening and closing of the large valve.

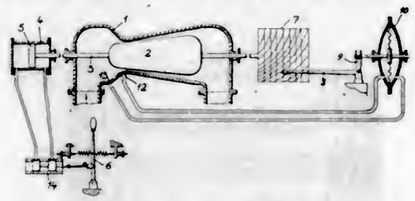
1,580,677. MEASURING DEVICE OPERATING BY MEANS OF A CONTINUOUS LIQUID FLOW. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Aug. 16, 1921. Serial No. 492,861. 6 Claims. (Cl. 73—187.)



1. An apparatus for measuring a plurality of values by means of continuously flowing liquid, comprising means adapted to form a constant jet of a liquid flowing at constant speed, means for separating quantities of liquid from said jet, said first two mentioned means being capable of relative movement in a plurality of directions angular with respect to said jet, and means actuated by said plurality of values to produce relative movement of said first two mentioned means, whereby quantities of liquid are separated from said jet, said separated quantities of liquid being a compound of functions of said plurality of values.

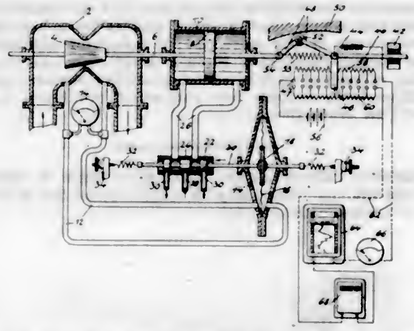
1,580,678. FLOW REGULATING AND MEASURING DEVICE. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Aug. 16, 1921. Serial No. 492,865. 11 Claims. (Cl. 73—167.)

1. A flow regulating and measuring device, comprising flow resisting means adjustable to vary the flow opening, means for actuating said flow resisting means to vary the size of said flow opening, means variable in accordance with variations in the flow opening, means responsive to a fluid condition caused by variations in the flow opening, and means actuated by cooperation of both of said



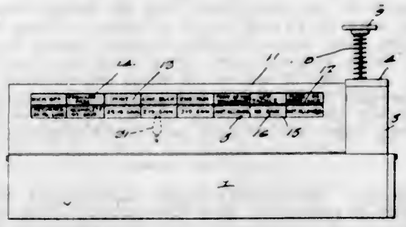
third-mentioned and said last-mentioned means, the result of said actuation being dependent upon both the size of said flow opening and said fluid condition.

1,580,679. REMOTE MEASURING FLOW METER. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Sept. 30, 1922. Serial No. 591,499. 8 Claims. (Cl. 73—167.)



1. A fluid flow measuring device, comprising a fluid flow resistance means variable as a function of the magnitude of flow of fluid therethrough, means for making indications by auxiliary energy of the variations in the flow of fluid through said flow resistance means, a pilot motor, means for producing both actuation of said flow resistance means and control of said second-mentioned means by said pilot motor, means sensitive to a fluid condition caused by flow of fluid through said flow resistance means, and a governor for said pilot motor controlled by said sensitive means.

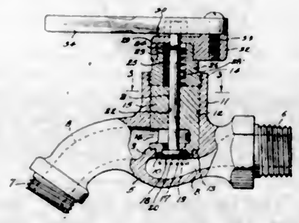
1,580,680. GAME FOR PLAYING FOOTBALL. JAMES E. RYAN, Creston, Iowa. Filed Mar. 26, 1925. Serial No. 18,485. 1 Claim. (Cl. 273—90.)



In a game of the class described, a housing comprising a box substantially covered by an arcuate shield having a sight opening formed therein, there being marked areas along one edge of the opening bearing words and

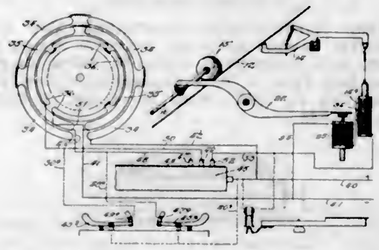
phrases designating plays to be made, a rotary indicator mounted for rotation in said housing and embodying circumferential marked bands aligning with the aforesaid areas and containing various results capable of being obtained from said plays, a gear carried by the rotary indicator, a vertically disposed plunger, a support on said box for said plunger, the lower end of said plunger being directed laterally to provide a lug for cooperation with the teeth of said gear, a coil spring surrounding the plunger between the support and head on the upper end of the plunger, a guide for said plunger, and a separate and independent element embodying a hook slidably mounted in said sight opening and adapted for cooperation with the aforesaid areas.

1,580,681. FAUCET. ANDREW SAKSA, Bridgeport, Conn. Filed Mar. 4, 1922. Serial No. 541,048. 2 Claims. (Cl. 251—156.)



2. A valve comprising a body having a fluid passage therethrough and a cylindrical bore from one side terminating in a seat and threaded adjacent its outer end, a cylindrical valve casing in said bore and having a passage theretbrough with a valve seat, a valve stem slidable in said casing and carrying a valve for said seat, a spring surrounding said stem and tending to hold the valve to its seat, a nut separate from and independent of the casing threaded in said bore to retain the casing against the seat in the body and enclosing said spring, and means to press against the outer end of the stem to remove the valve from its seat.

1,580,682. ELECTRIC MOTOR. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 17, 1922, Serial No. 582,458. Divided and this application filed June 20, 1924. Serial No. 721,212. 5 Claims. (Cl. 172—274.)

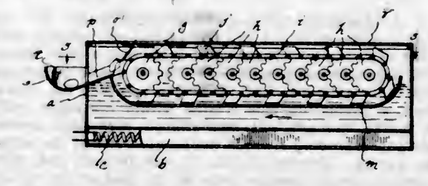


5. In an alternating current motor, a squirrel cage rotor, a stator having independent sets of windings, one of said sets of windings forming twice the number of poles formed by the other set and being wound to produce a stronger magnetic flux, means permitting passage of current normally through both sets of windings in series, and means for cutting out the set of windings forming the greater number of poles to vary the speed of the rotor.

1,580,683. POTATO CLEANING AND SACKING MACHINE. CHARLIE SANG, Castroville, Calif. Filed Mar. 17, 1920. Serial No. 366,678. 2 Claims. (Cl. 209—308.)

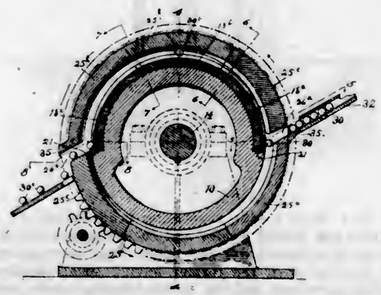
2. In a device of the character described, a wheeled frame, a conveyor structure mounted on the frame including side members, and an endless belt operating between the side members and composed of staggered, transversely extended bars, bearing members in which the bars are mounted, and connecting members each having a housing embracing one bearing member and having an arm connecting the adjacent bearing member whereby to interconnect the bars and whereby to provide transverse pockets from side to side and throughout the length of the endless belt.

1,580,684. EGG BOILER. ERNST SCHEIDIGGER, Detroit, Mich. Filed Apr. 22, 1925. Serial No. 24,949. 5 Claims. (Cl. 161—16.)



5. An egg boiler, having in combination, a container for holding a heating liquid, a plurality of driven sprockets and a plurality of idling sprockets located at various distances from said driven sprockets, endless conveyers each passing over one driven sprocket, and one idling sprocket provided with means for supporting eggs thereon, said conveyers arranged to convey the eggs through said boiling liquid, the longer conveyers exposing the eggs carried thereby to a longer period of time in the heating liquid than the shorter conveyers, and means for delivering said eggs after they are passed through the boiling water to the outside of the conveyer.

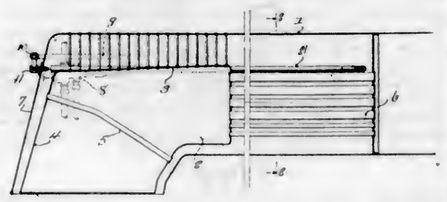
1,580,685. ROTARY BALL-ROLLING MACHINE. CHARLES H. SCHMIDT, Elizabeth, N. J., assignor to Chrome Steel Works, Carteret, N. J., a Corporation of New Jersey. Filed May 22, 1924. Serial No. 715,215. 4 Claims. (Cl. 80—18.)



1. A ball rolling machine, comprising a rotatable cylindrical shell having a grooved inner surface, and a stationary inner drum provided with grooves upon its

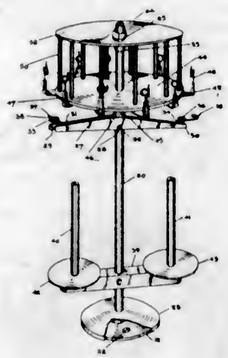
outer surface which cooperate with said grooved inner surface of the rotary shell, said outer shell having openings for the insertion of the blank rods and for the discharge of the finished balls.

1,580,686. LOCOMOTIVE BOILER-WATER CIRCULATOR. WILLIAM C. SCHULTZ, Milwaukee, Wis.; Gulnary Schultz administrator of said William C. Schultz, deceased. Filed Aug. 9, 1924. Serial No. 731,140. 4 Claims. (Cl. 122—414.)



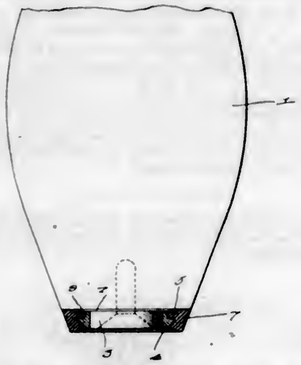
1. A circulator for locomotive boiler water for use with a boiler having a fire box in the rear portion provided with a crown sheet, side walls, and a back sheet, said circulator comprising a feed water nozzle projecting into the rear portion of the boiler adjacent the crown sheet, a circulating pipe located within the boiler with its intake end adjacent and aligned with said nozzle, said pipe extending towards the forward end of the boiler and having a delivery portion at such forward end, such delivery portion opening towards the rear of the boiler.

1,580,687. SPOOL HOLDER FOR SEWING MACHINES. ABRAHAM SELBST, Montreal, Quebec, Canada, assignor of one-half to Albert Lesser, Montreal, Quebec, Canada. Filed June 10, 1925. Serial No. 36,244. 2 Claims. (Cl. 242—139.)



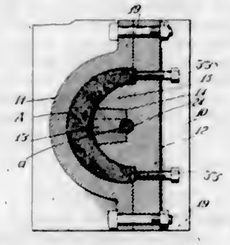
1. In a spool holder, a rotating head containing spool spindles and thread guides and encircling a vertical post secured to a base, lower and upper cross arms secured to said vertical post, the former having spool spindles extending therefrom and the latter forming a base member for said rotating head, a cover for said rotating head encircling said post, and a lock adapted to be inserted and locked through an orifice in said vertical post and above said cover.

1,580,688. BOWLING PIN. CARSON J. SHELDON, Youngstown, Ohio. Filed July 16, 1925. Serial No. 44,017. 5 Claims. (Cl. 273—82.)



1. A bowling pin having a central reduced shank portion formed on the lower end thereof, a ring of composite material fitted on said shank portion, and a rubber protector ring fitted around said aforementioned ring.

1,580,689. ART OF CASTING METALS. ROBERT JAY SHOEMAKER and WILLIAM H. CROFT, Chicago, Ill. Filed Apr. 6, 1925. Serial No. 21,095. 14 Claims. (Cl. 22—153.)

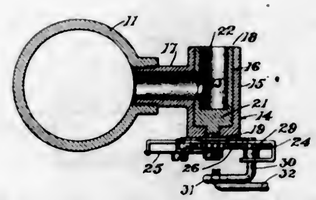


1. Metallic mold for casting metals comprising two sections providing between them a mold cavity, one having a wedge shaped channel, and a wedge in said channel.

1,580,690. COMBINATION DISPENSER AND CONTAINER. MILTON SIERAD and ALBERT E. SIERAD, New York, N. Y., assignors to George W. Button Corporation, New York, N. Y., a Corporation of New York. Filed July 31, 1925. Serial No. 47,198. 2 Claims. (Cl. 132—82.)

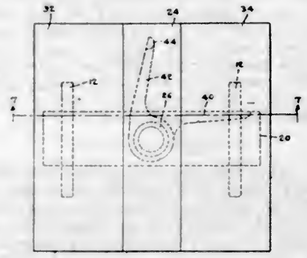
1. A combination container for a toilet powder and a powder puff comprising a body portion made of metal, said body portion having a lateral dispensing nozzle, said body portion also having at the top thereof a resilient tray having a top flange adapted to overlap and to engage the top of said body portion, said tray having a tapered vertical wall depending from said top flange, and a cover adapted to cover said tray, the said cover extending over and below the top of said body portion, the top of the vertical wall of said tray frictionally engaging the adjacent part of said body portion.

1,580,691. AUXILIARY AIR VALVE. JOHN P. SIMMONS, San Francisco, Calif.; Mercantile Trust Company of California executor of said John P. Simmons, deceased. Filed Jan. 30, 1924. Serial No. 689,507. 2 Claims. (Cl. 123—119.)



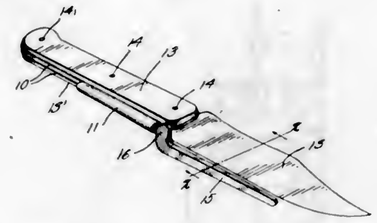
2. An auxiliary valve member for an internal combustion engine comprising a valve housing formed with an eduction port in the side thereof, a rotary valve member mounted in the housing and formed with an induction opening and with a port in the side thereof adapted to register with the eduction port of the housing, whereby air may pass in through the induction opening of the valve to the eduction port of the valve housing, a shaft on said valve member, a lever freely mounted thereon and adapted to be connected with the throttle control of the engine, a gear secured to said shaft contiguous to the lever, spring means frictionally holding said gear relative to the lever whereby operation of the lever will operate the valve, a pinion carried by the lever and in mesh with said gear, and means for revolving said pinion to change the position of the gear and consequently the valve relative to the lever.

1,580,692. FOLDING TABLE. MAX SKOLNIK, Minneapolis, Minn., assignor to L. R. Skolnik, Minneapolis, Minn. Filed Feb. 18, 1925. Serial No. 9,968. 4 Claims. (Cl. 45—113.)



1. A folding table comprising a supporting structure, a middle board rotatably mounted on said supporting structure, leaves hinged to the two longitudinal edges of said board and normally occupying a folded position, means whereby rotation of said board thru ninety degrees will cause both of said leaves to be supported in unfolded position, a movable member carried by said supporting structure engaging said middle board for movement with the latter for the first ninety degree movement thereof, and means for then stopping said movable member whereby rotation of said middle board thru another ninety degrees will permit one of said leaves to drop while the other leaf is supported by said movable member.

1,580,693. KNIFE. ABRAM A. SMITH, St. Joseph, Mich. Filed Aug. 24, 1925. Serial No. 52,051. 4 Claims. (Cl. 30—20.)

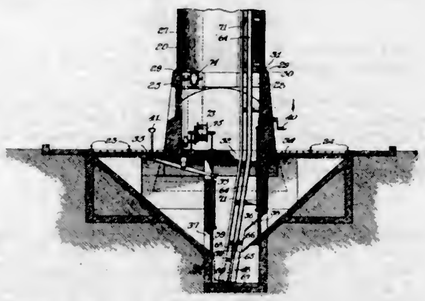


1. A knife comprising a handle having a pair of companion plates forming a sleeve upon one side and receiving the knife shank therebetween, and a guard received within the sleeve and extending longitudinally therefrom and in spaced relation with respect to the cutting edge of the knife.

1,580,694. PIPE COUPLING. CHARLES T. SMITH, Cleveland Heights, Ohio, assignor of one-half to Harvey K. Russell, Cleveland, Ohio. Filed Mar. 12, 1925. Serial No. 15,091. 5 Claims. (Cl. 284—19.)

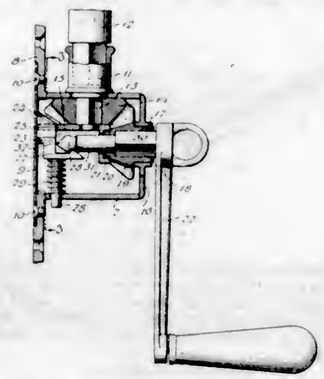
4. A coupling of the class described, comprising two co-operating coupling members, one of said members being provided with a valve, means for packing the joint when the two members are engaged, threaded means for engaging the two members and opening the valve, said means being operative without rotating either member, and means for relieving residual pressure after the valve is seated.

1,580,695. MATERIAL ELEVATING AND STORAGE APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1924. Serial No. 739,801. 8 Claims. (Cl. 214—16.)



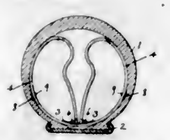
1. In combination with tracks spaced apart, pits below said tracks, respectively, a storage receptacle for material located between said tracks, and material-elevating mechanism located between said tracks and involving an elevating receptacle, said elevating receptacle in lowered position being so positioned as to receive the material discharging from either of said pits.

1,580,696. AWNING-OPERATING MECHANISM. ABRAHAM SONDACK, New York, N. Y. Filed Nov. 8, 1924. Serial No. 748,714. 4 Claims. (Cl. 74—7.)



1. In an awning operating mechanism, the combination of a casing, coacting operating elements in said casing, a partition in said casing having a depending flange provided with an opening therein, a hub for one of said operating elements having a bearing in said casing and also in said depending flange, a locking member slidably mounted in said casing and having a locking extension projecting through said partition into engagement with one of said operating elements, a handle capable of connection to said operating elements by the insertion of a portion thereof into the casing, said handle also having a pin engageable with a portion of said locking member when the handle is connected to said operating elements to withdraw said locking extension from engagement with the operating element, and a spring interposed between the casing and said locking member for yieldably maintaining the same in its locking position and for restoring the same to such position after the handle is disconnected from said operating elements.

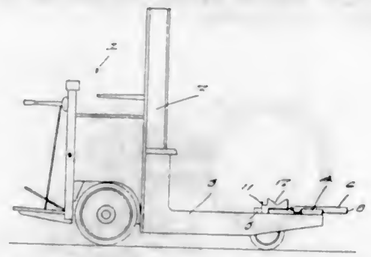
1,580,697. AUTOMOBILE TIRE. THOMAS J. SPICER, Baltimore, Md. Filed Oct. 9, 1924. Serial No. 742,564. 2 Claims. (Cl. 152—8.)



1. A tire comprising an outer casing, a split spring-ring extending around inside said casing and having a number of apertures therein, a number of springs secured to said spring ring and having their ends projecting into said apertures in said ring.

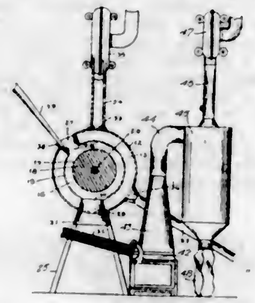
1,580,698. CAR-WHEEL-CONVEYING TRUCK. JOEL STAGG, St. Thomas, Ontario, Canada. Filed May 28, 1925. Serial No. 33,417. 2 Claims. (Cl. 214—65.5.)

1. A new article of manufacture, an attachment for a truck comprising a plate adapted to extend crosswise of the bottom of the truck and having a central longitudinal extension projecting from the center of the forward longitudinal edge, certain edges of said extension and plate being bevelled, a pair of bars extending crosswise of said plate and notched in their under sides for reception of the upper portion of the plate, the end walls of the notches being undercut for cooperation with the bevelled edges, set screws carried by the forward ends of said bars, the opposite ends of the bars being formed with hooks adapted to engage the flange of



a car wheel, a grooved block slidable upon said extension, said block having a portion formed with a substantially V-shaped groove forming a seat for reception of a wheel axle.

1,580,699. MACHINE FOR CLEANING AND OPENING UP ASBESTOS FIBER. HENRY EDWARD STEVENSON, Thetford Mines, Quebec, Canada. Filed June 14, 1924. Serial No. 720,083. 4 Claims. (Cl. 209—300.)



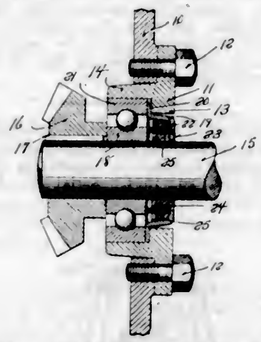
1. A machine for cleaning and opening up asbestos fiber comprising a pair of stationary cylindrical casings concentric with a roller rotating in a path concentric with said casings the intermediate casing forming a screen between said roller and the outer casing and having a raw material inlet and a fiber outlet registering with similar openings in the outer casing, said outer casing having a plurality of dust outlets adapted to accommodate light and heavy dust.

1,580,700. PROCESS OF PRODUCING N-DIHYDRO-1,-2,1',2'-ANTHRAQUINONE-AZINE AND ITS DERIVATIVES. MERVILLE S. THOMPSON, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 9, 1922. Serial No. 567,172. 9 Claims. (Cl. 260—31.)

2. The process of producing N-dihydro-1,2,1',2'-anthraquinone-azine and its derivatives, which comprises causing a fused caustic alkali to act on a 2-amino-anthraquinone compound, in the presence of an alkali-metal butylate.

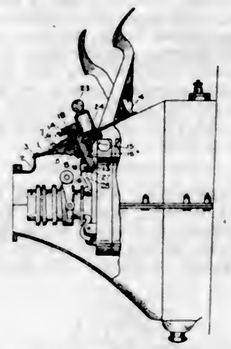
1,580,701. GUARD FOR BEARINGS. CHARLES J. TRAVERS, Port Washington, Wis., assignor to Gilson Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Filed Apr. 14, 1922. Serial No. 552,778. 1 Claim. (Cl. 286—7.)

The combination of a shaft, a bearing therefor, a support for said bearing having a flange extending inwardly and located closely adjacent the end of said bearing, and a dust guard comprising a cup-shaped member having conical walls and having a central aperture for said shaft and having an outer flange located in binding relation between the end of said bearing and the flange of said bearing support, a fibrous washer seated within said cup-shaped member in contact with the conical



walls, a metallic washer surrounding said shaft and in contact with said fibrous washer, and screws carried by said cup-shaped portion passing through said fibrous washer and threaded into said metallic washer and free from said bearing and having heads accessible from the outer side of said cup-shaped member.

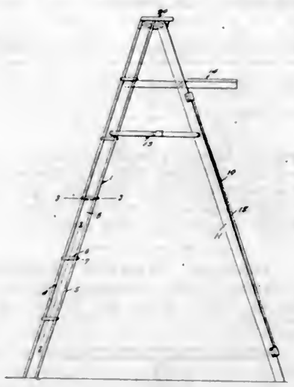
1,580,702. VEHICLE LOCK. LIONEL TREMBLAY, Montreal, Quebec, Canada. Filed Apr. 14, 1924. Serial No. 706,446. 1 Claim. (Cl. 70—90.)



In a motor vehicle lock, a plate adapted to form a cover for the transmission mechanism of the vehicle and having screw holes and screws and a rigid lock casing on the outer side and a thickening on the inner side for a pin hole and communicating bolt slot, a lock and spring held bolt in said casing and slot, a pin in said pin hole having bolt slots and a flanged head, a cover plate overlying said screws and loosely inserted in a permanent recess in said plate and extending under said head and a spring seated in a recess in said flanged head and engaging said plate.

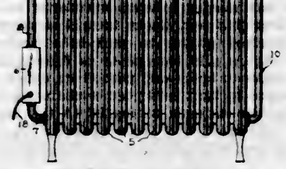
1,580,703. STEPLADDER. WILLIAM A. WIGHT, Tacoma, Wash. Filed Oct. 29, 1924. Serial No. 746,605. 1 Claim. (Cl. 228—59.)

In a ladder construction, a step section including side bars, each of the side bars comprising a pair of longitudinally disposed bars, steps arranged between the longitudinally disposed bars and secured thereto, brace bars having their lower ends positioned on the upper surfaces of the steps adjacent to their outer ends, said braces having their upper ends engaging the under surfaces of



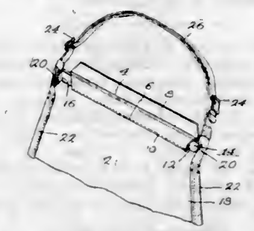
the steps at points in spaced relation with the ends of the steps, and said brace members adapted to engage the longitudinally disposed bars.

1,580,704. PORTABLE RADIATOR. THOMAS H. WILLSON, Seattle, Wash. Filed Jan. 13, 1925. Serial No. 2,206. 1 Claim. (Cl. 219—38.)



In a device of the class described, a radiator, electric water heating means connected at two points at different elevations with one end of said radiator, means on the top of said radiator forming a combined expansion chamber and radiator shield, and a conduit pipe connecting said expansion chamber with the lower portion of said radiator.

1,580,705. WATER BAG. JOSEPH H. WHITTMANN, Kansas City, Mo. Filed Oct. 13, 1924. Serial No. 743,857. 2 Claims. (Cl. 150—48.)

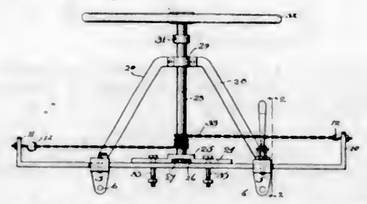


1. A bag of the character described having an opening at one end, flaps on said bag at opposite sides of said opening, a fastening device over which said flaps may be folded to close said opening, and reinforcing bands secured to opposite sides of the bag and having pockets to receive the ends of said fastening device.

1,580,706. CURTAIN FIXTURE. JOHN S. WRIGHT, Pleasanton, Kans. Filed Aug. 8, 1924. Serial No. 730,895. 5 Claims. (Cl. 156—23.)

1. In a curtain fixture, a main bar having elbows at its ends, brackets associated with said elbows and provided with notched supporting members, and a supplemental bar having lips at its ends to interlock with the notched portions of said supporting members.

1,580,707. TRACTOR PLOWING ATTACHMENT. MORLEY CHESTER ZAVITZ, Alvinston, Ontario, Canada. Filed May 18, 1925. Serial No. 31,004. 2 Claims. (Cl. 280—33.10.)



1. In a tractor attachment of the class described, a base plate, guideways mounted one at each end of said base plate, a bar mounted to move longitudinally in said guideways, antifriction means in said guideways upon which said bar moves, integral standards mounted one at each end of said bar, hooks in said standards, a post mounted at right angles to said base plate centrally thereof, means on said base plate to form a bearing for said post, means to brace said post at its upper end, hand-operated means to turn said post, a chain wound around said post having its ends connected to the hooks of the standards aforesaid, and bolts passing through said plates to connect said attachment to the tractor.

1,580,708. PROCESS OF HALOGENIZING PERYLENE. ALOIS ZINKE and ALFRED PONGRATZ, Gratz, Austria, assignors to Felice Beusa, Genoa, Italy. Filed Apr. 7, 1925. Serial No. 21,326. 1 Claim. (Cl 260—161.)

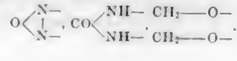
A process for manufacturing halogen derivatives of perylene, consisting in suspending perylene in a state of fine subdivision in a liquid and introducing into the same simultaneously and gradually a substance capable of evolving halogen, and oxidizing agent capable of liberating halogen therefrom, both the said substances and the oxidizing agent being indifferent to perylene and the liquid in which it is suspended.

1,580,709. DI-ACYLACETYL-DIAMINO COMPOUNDS OF THE AROMATIC SERIES AND PROCESS OF MAKING SAME. ARTHUR ZITSCHER and ROBERT SCHMITT, Offenbach-on-the-Main, Germany, assignors to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany, a Corporation. Filed May 15, 1923. Serial No. 639,214. 4 Claims. (Cl. 260—96.)

1. A process of making di-acylacetyldiamino compounds of the aromatic series consisting in heating acylacetic acid esters with bases of the general formula:

$$NH_2—R—X—R^1—NH_2,$$

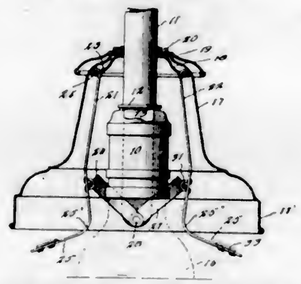
R and R^1 meaning the same or different aryl residues, X one of a group of connecting links comprising —O—, —S—, $—CH_2—$, —CO—, —NH—, —NH.CO—, N=N—,



1,580,710. METHOD OF MANUFACTURING HYDRATED LIME. CHARLES I. CHUBBUCK, San Francisco, Calif. Filed Feb. 28, 1924. Serial No. 695,812. 1 Claim. (Cl. 23—188.)

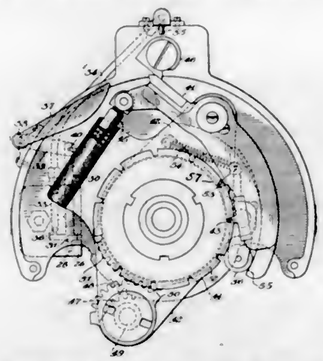
A method of manufacturing hydrated lime, which consists in slaking quick-lime in an excess of water to a flowing putty, removing the major portion of the water before the slaking operation is completed, then completing the slaking operation with the remaining water, and utilizing the heat generated by the last slaking operation to evaporate excess water.

1,580,711. HOLDER FOR GLOBES AND THE LIKE. LEROY C. DOANE, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 20, 1924. Serial No. 744,541. 9 Claims. (Cl. 240—133.)



6. A globe holder comprising a support for a light source, a shell slidably mounted on the support and extending downwardly, the lower end of the shell being adapted to engage the globe, and cooperative fixed and movable members carried inside the shell and interconnected with one another and the shell, the configuration of the movable members being such that they are provided with globe carrying members which extend underneath the lower end of the shell when the shell is in one position, and which recede upon the sliding of the shell from said position.

1,580,712. LUBRICATING MECHANISM FOR GEAR-CUTTING MACHINES. SCHUYLER H. EARL, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Oct. 4, 1924. Serial No. 741,583. 9 Claims. (Cl. 90—9.)

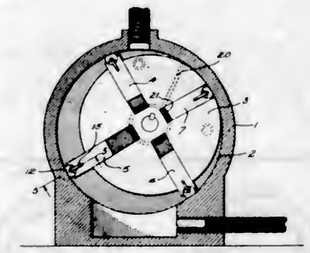


1. In a machine of the class described, the combination with tool and gear blank supports, means for rolling the tool and blank relatively to each other to produce a generated tooth profile, lubricating mechanism, and devices whereby said relative rolling movement automatically effects operation of the lubricating mechanism at predetermined intervals.

2. In a machine for producing gears, the combination with tool and gear blank supports, of a movable bed on which one of said supports is mounted, means adapted to move said support relative to the bed on movement of said bed, lubricating mechanism including means whereby the relative movement between the blank support and movable bed affords power for forcing the lubricant to said support at predetermined intervals.

3. In a machine for producing gears, the combination with tool and bear blank supports, of a movable bed on which one of said supports is mounted, means adapted to rotate said support on movement of said bed, lubricating mechanism, and devices carried partially by said support and partially by said movable bed and acting to positively and automatically effect lubrication of the parts of the machine when the movable bed reaches a predetermined position.

1,580,713. BLADE AND SHOE FOR ROTARY PUMPS. WILLIAM B. ENSIGN, New York, N. Y., assignor of one-half to Lloyd Reynolds, New York, N. Y. Filed Dec. 20, 1924. Serial No. 757,250. 5 Claims. (Cl. 103—136.



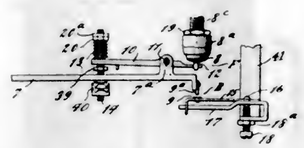
1. A blade and shoe for rotary pumps, comprising a blade body, a rockable contact shoe arranged along one edge of the body, said shoe having a notch in each end and a bore extending inwardly from each of said notches, said blade having a notch at each end and a bore extending inwardly from one part of the respective notches, and a U-shaped holding member at each end of the blade for holding the contact shoe in place, said holding members having the legs thereof extending into said bores with part of the body fitting into the respective notches whereby the shoe may rock within certain fixed limits and yet be held in engagement with the blade body.

1,580,714. PROCESS OF PRODUCING NAPHTHOL-SULPHONIC ACIDS. PAUL H. FALL, Carneys Point, N. J., and IRA E. LEE, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 30, 1920. Serial No. 393,113. 13 Claims. (Cl. 260—155.)

1. A process of producing a naphthol-sulphonic acid, which comprises hydrolyzing a sulphite ester of said naphthol-sulphonic acid, in the presence of a substance capable of reacting with sulphurous acid to form a sulphite relatively insoluble in water.

1,580,715. CIRCUIT CONTROLLER. FREDERICK T. FEREDAY, Clinton Heights, N. Y., assignor, by mesne assignments, to General Railway Signal Company, a Corporation of New York. Filed Oct. 14, 1922, Serial No. 594,558. Renewed Nov. 21, 1925. 6 Claims. (Cl. 200—170.)

6. A circuit controller comprising a movable arm, a contact finger pivotally mounted intermediate its ends on said arm, a screw fixed to said arm and passing freely through a hole in said finger, a coiled spring on said screw one end of which acts on said finger and the other end of which rests against a nut adjustable on said screw, a second nut adjustable on said screw for

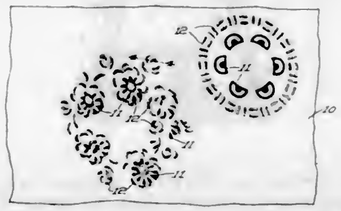


limiting the movement of said finger relative to said arm in response to the action of said spring, lock nuts on said screw for holding said adjustable nuts in adjusted positions and a fixed contact member co-acting with said finger on the opposite side of the pivotal point from said screw and spring.

1,580,716. BROWN COPPER CONTAINING AROMATIC AMINE-SULPHUR DYES AND PROCESS OF MAKING THE SAME. JOSEPH FLACHSLAENDER and LAURIE L. BURGESS, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 19, 1924. Serial No. 700,379. 15 Claims. (Cl. 260—12.)

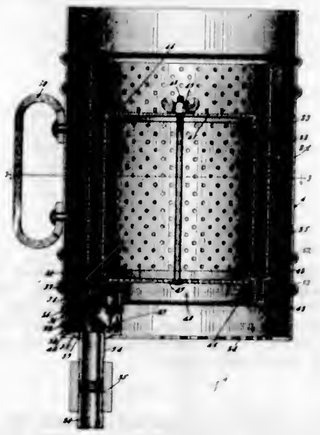
1. The process of making sulphur dyes of from brown to khaki shades which comprises incorporating a copper salt in an alkaline solution of a thionated aromatic amine, evaporating the solution to dryness, and baking the dried mass until a product of suitable shade and strength is obtained.

1,580,717. ORNAMENTED FABRIC AND METHOD OF ORNAMENTING IT. LORENZ FLICK, Saylesville, R. I., assignor to Sayles Finishing Plants Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed Apr. 14, 1925. Serial No. 23,121. 6 Claims. (Cl. 41—34.)



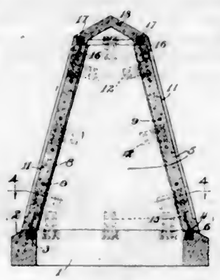
1. The process described for ornamenting fabric with designs having contrasting portions, which consists in printing a colored quick-drying adhesive upon the fabric to form part of the complete designs, drying the colored adhesive, printing a flock securing adhesive upon the fabric where the remaining portion of each design is to appear, then depositing loose flock upon the wet adhesive, drying the flock securing adhesive with the flock embedded therein, and removing the excess flock not secured to the fabric by the adhesive to complete the designs.

1,580,718. WATER HEATER. ALFRED T. FOWLES, Dallas, Tex. Filed May 1, 1925. Serial No. 27,213. 6 Claims. (Cl. 236—32.)



1. A water heater comprising a burner element of the oil burning type provided with a sectional wick, and a thermostatic control means providing for the intermittent activity of one of said sections during the activity of the other of said sections.

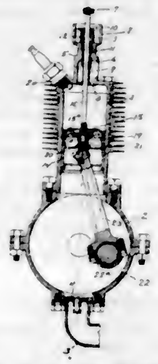
1,580,719. ROAD MARKER OR MONUMENT. ALBERT P. GILBERT, Durham, N. C. Filed June 20, 1925. Serial No. 38,538. 6 Claims. (Cl. 72—7.3.)



1. A sectional road marker or monument comprising separately formed, reinforced concrete elements or members, the several members having, in their meeting edges, interfitting spring tongue connectors and sockets respectively, adapted to automatically lock the members together when assembled.

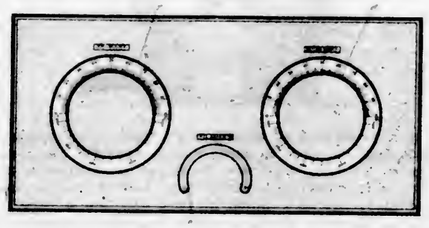
1,580,720. TWO-CYCLE ENGINE. JOHN K. GOLD, Shanghai, China. Filed July 31, 1922. Serial No. 578,806. 9 Claims. (Cl. 123—47.)

7. In an internal combustion engine, the combination of a cylinder, an upward extension on the head of said cylinder, a bushing in said extension, an exhaust valve having a tubular stem passing through said bushing, a head on said stem, a spring engaging said head and raising the same above the upper end of the bushing, a valved piston in the cylinder, a rod secured to the valve of the piston and passing through the stem of the exhaust



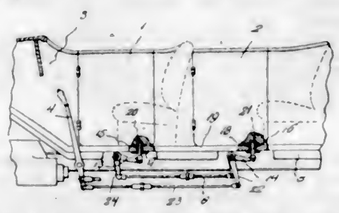
valve, and a part on said rod to engage the head of the stem of the exhaust valve and depress the latter to open it.

1,580,721. ETCHED METAL BODY. WINSLOW GOODWIN, Chicago, Ill., assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1925. Serial No. 25,889. 4 Claims. (Cl. 41—24.)



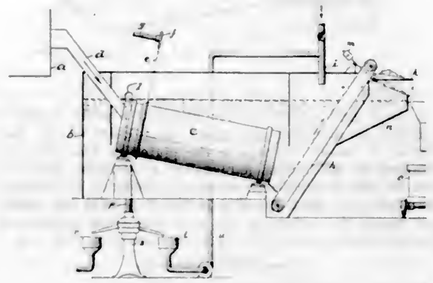
1. An etched metal body having etched portions with an etched background composing a major portion of the surface, said background being broken up into comparatively minute areas comprising portions in relief and portions forming outlining surfaces for said relief portions, whereby visibility of accidental marrings or inherent imperfections is minimized.

1,580,722. SAFETY LOCKING DEVICE FOR AUTOMOBILE DOORS. GILBERT GREATHOUSE, Guyaux, Pa. Filed Oct. 9, 1924. Serial No. 742,609. 1 Claim. (Cl. 292—33.)



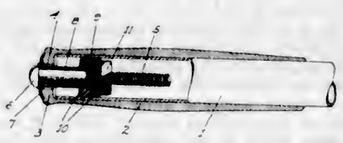
A device for locking automobile doors; wherein the automobile includes hinged doors and an emergency brake lever; comprising a shaft journaled transversely through the sides of the chassis of the automobile, a pair of arms secured to the outer ends of the shafts and extending laterally therefrom, bolts extending upwardly from the outer ends of said arms and operable through the sills at the sides of the automobile body, keepers for the upper ends of the bolts arranged in the bottoms of the doors on the respective sides of the automobile body, and a connection between said shaft and the emergency brake lever whereby the bolts are held in engagement with the keepers when the emergency brake lever is in one position, and out of engagement with the keepers when the brake lever is in another position.

1,580,723. PROCESS FOR RECLAIMING OIL FROM METAL CHIPS. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 6, 1923. Serial No. 661,148. 4 Claims. (Cl. 87—6.)



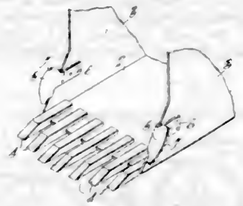
3. The process of reclaiming oil from metal chips which comprises feeding the chips into a body of hot water, progressively feeding the chips forward as they are fed to the body of water, and during their forward feed subjecting them to agitation, thereby removing the oil from the chips, floating off oil rising to the surface of the body of water, withdrawing and draining the chips, returning the liquid drained from the chips to the body of water, subjecting the oil that has floated off to the action of centrifugal force to separate therefrom any water that overflows with the oil, and returning the separated water to the tank; thereby insuring against the loss of any of the oil.

1,580,724. ATTACHMENT FOR SECURING GRIPS TO BICYCLE HANDLEBARS. KENNETH B. HARMON, Stockton, Calif. Filed May 20, 1925. Serial No. 31,529. 4 Claims. (Cl. 208—126.)



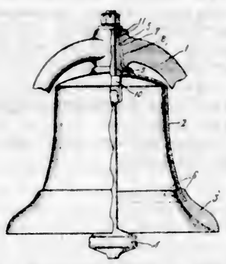
1. A device for securing a grip to a hollow handle bar including an expansible block adapted to be inserted into the bar, a headed screw adapted to project through the outer end of the grip and through the block, a rigid sleeve on the screw between the head of the screw and the block, and a nut on the screw beyond the block.

1,580,725. DITCH-EXCAVATING BUCKET. CHARLES HARRISON, Vancouver, British Columbia, Canada. Filed Nov. 12, 1925. Serial No. 68,671. 3 Claims. (Cl. 37—141.)



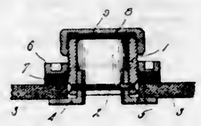
1. The combination with a ditch excavating bucket, of a supplementary ear-like scoop removably secured to each side of the bucket and having a cutting edge which projects laterally outward and forward from the front edge of the sides of the bucket.

1,580,726. BELL. CHARLES L. HEISLER, Schenectady, N. Y. Filed Sept. 27, 1923. Serial No. 665,205. 5 Claims. (Cl. 116—148.)



4. In a bell structure, a yoke having an opening, a barrel of pressed metal having an ear which fits into the opening, a sleeve in the ear, a clapper bolt which extends through the sleeve and clamps the ear between the sleeve and the yoke, and a sound bow of bell-metal attached to said barrel.

1,580,727. NIPPLE FOR EARTHENWARE CONTAINERS. GEORGE HENDERSON, Boston, Mass. Filed May 15, 1925. Serial No. 30,518. 1 Claim. (Cl. 285—52.)

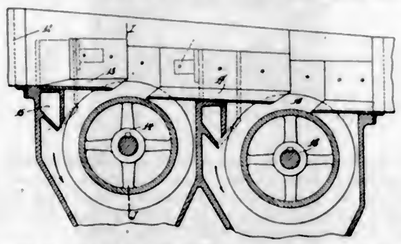


In a device of the character specified the combination of a sleeve arranged to be inserted in an opening in an earthenware container said sleeve being screw threaded upon its exterior, a roughened rod mounted in the lower portion of said sleeve and extending across the same, lugs slidably mounted on said rod, a threaded locking ring arranged to be screwed down upon said sleeve, and a gasket beneath said locking ring.

1,580,728. COMBINED WASHING AND SORTING APPARATUS. ERNEST HODEIGE, Jemeppe-sur-Meuse, Belgium, assignor to Evence Coppee & Co., Brussels, Belgium. Filed Aug. 1, 1922. Serial No. 578,911. 2 Claims. (Cl. 209—18.)

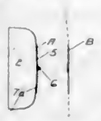
1. Washing apparatus comprising a duct composed of side walls and a bottom, the bottom being provided with a transverse series of longitudinal grooves of sub-

stantially uniform cross sectional area and having side walls converging sharply toward the bottom of the grooves to automatically increase the friction of the flow from the top to the bottom of the grooves, said duct being provided with openings, for each groove, branched ducts also having sharply angular grooves therein, located beneath the said openings and having a greater inclination than the first mentioned duct, means for di-



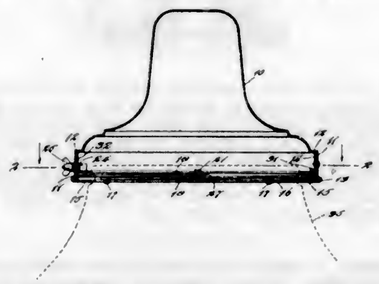
recting a fluid longitudinally of the main duct and grooves whereby the material to be washed is propelled along the same so that material of greater density settles to the bottom of the grooves due to gravity and friction, troughs beneath the openings to receive the more dense material therefrom, means within the troughs for directing a counter current of fluid along said branch ducts, whereby material of lesser density will be prevented from passing through the openings.

1,580,729. DEVICE FOR RETAINING HERNIAL SUPPORTING PADS IN PLACE. JOHN G. HOMAN, Steubenville, Ohio. Filed Jan. 17, 1925. Serial No. 3,054. 5 Claims. (Cl. 128—100.)



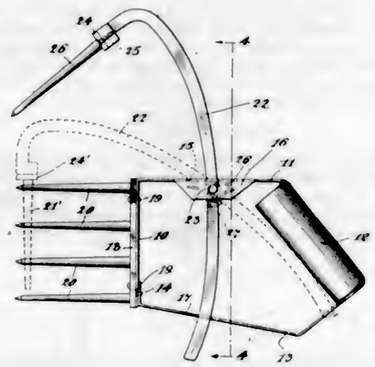
1. The combination with an outwardly cupped support for hernia, of means for holding the support from slipping including a member attached thereto at its inner side, a second member having an adhesive surface for attachment to the body of the wearer, and a separable connection between the two members.

1,580,730. GLOBE SUPPORT. WILLIAM C. HOMAN, Meriden, Conn., assignor to Lindsay Light Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1923. Serial No. 653,866. 3 Claims. (Cl. 240—132.)



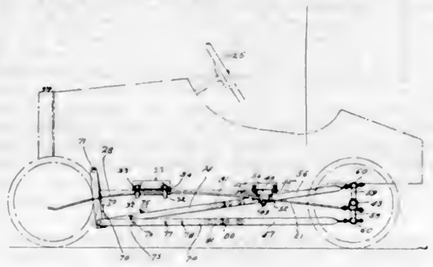
1. A shade holder comprising an outer casing, having an inturned flange, an annulus of flat wire, spaced from the flange, and a plurality of semi-circular globe clamping members of flat wire, each member having one end pivoted to the flange and the other end pivoted to the annulus.

1,580,731. NAIL CLUTCH. LOUTHER S. HORNE, Bronx, N. Y. Filed July 10, 1925. Serial No. 42,672. 4 Claims. (Cl. 294—104.)



1. In a nail clutch, in combination, a plate having a plurality of extended pins upon three sides of one face thereof, a handle carried by the plate, an arm pivotally attached to the handle, a plurality of extended pins carried by the arm capable of being positioned in front of the plate pins when the arm is moved toward the handle and means for removing the arm pins from in front of the plate pins when pressure is released from the arm.

1,580,732. MINIATURE AUTOMOBILE. JAMES M. HOWE, Cleveland Heights, Ohio, assignor to The Murray Products Company, Cleveland, Ohio, a Corporation of Michigan. Filed May 15, 1924. Serial No. 713,451. 15 Claims. (Cl. 208—33.)

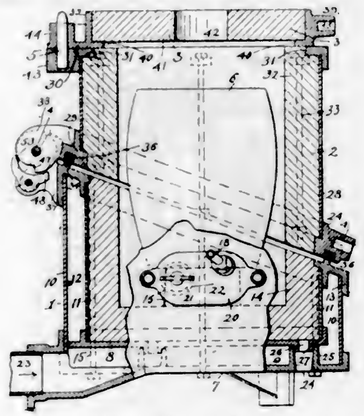


1. In a toy vehicle of the character described the combination of a body, a pair of spring members connected to the rear axle of the vehicle and to the body, said axle having crank portions, propeller members extending longitudinally of the body, pedal levers depending from the body and connected to the propeller members and means interposed therebetween for connecting the pedal levers to the propeller members while permitting a turning movement of the propelling members relative to the pedal levers when either of said members is shifted out of their normal plane of movement.

1,580,733. CRUCIBLE FURNACE. FRANKLIN M. ILER, Cleveland, Ohio. Filed Dec. 1, 1924. Serial No. 753,105. 17 Claims. (Cl. 263—11.)

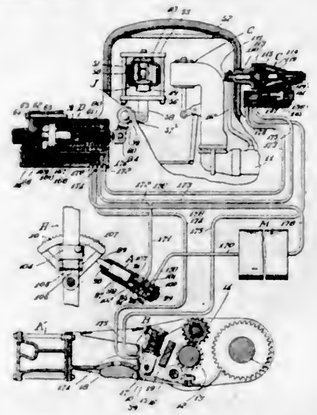
3. A crucible furnace comprising a casing adapted to enclose a crucible, said casing being divided into upper

and lower sections, the meeting edges of which are inclined with respect to the horizontal and a horizontal



pivot connecting said sections adjacent the uppermost portion of the wall of the lower section.

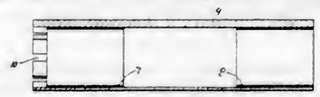
1,580,734. CONTROLLING APPARATUS FOR BOOSTER MOTORS. HOWARD L. INGERSOLL, White Plains, N. Y. Filed Oct. 15, 1920. Serial No. 417,215. 51 Claims. (Cl. 105—48.)



1. In combination with the main driving means of a locomotive, a booster motor for aiding the main driving means in starting the locomotive and propelling the same at low speeds, and means for controlling the booster which functions to prevent the booster from operating except when the main driving means is employed while permitting momentary shutting off of power from the main driving means without interruption of the booster operation.

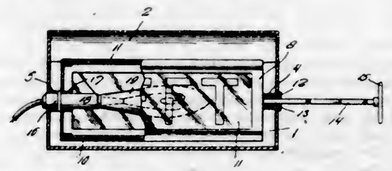
1,580,735. BEARING. CARL W. JOHNSON, East Cleveland, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1923. Serial No. 623,835. 2 Claims. (Cl. 308—62.)

1. An apparatus of the character described having in combination a steering shaft for a motor vehicle having a worm wheel at its lower end, a housing enclosing said worm wheel, an extension of said housing provided with aligned openings, a tubular shell received within said openings and having eccentrically disposed outer and inner walls and provided with a series of longitudinal slots formed at spaced intervals at one end thereof, replaceable sheet metal bearing elements mounted in said shell, one of said elements being positioned flush with



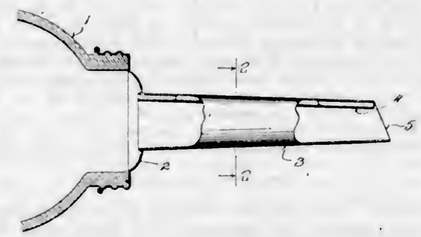
the unslotted end of said shell, the other of said bearing elements being spaced from the opposite end of said shell, a distance sufficient to clear the slotted portion thereof, a shaft journaled in said bearings, a worm gear carried on said shaft and adapted to be adjusted in operative relation to said worm wheel through the adjustment of said eccentric shell by means of said slotted end.

1,580,736. AUTOMOBILE SIGNAL. THOMAS MCLEOD KERR, Worthington, Pa. Filed Mar. 9, 1925. Serial No. 14,194. 1 Claim. (Cl. 116—43.)



An automobile signal comprising a substantially rectangular casing having an open top, a hinged cover therefor, the rear face of said casing having an enlarged opening provided therein, a transparency disposed over said opening, a pair of aligned sleeves extending inwardly from the opposite ends of the casing, a substantially rectangular hollow drum adapted for rotation in the casing, trunnions supported in the respective sleeves, one of said trunnions providing a bearing for the drum, a shaft keyed to the other trunnion and secured at one end to the opposite end of the drum, an operating handle on the outer end of said shaft for rotating the drum, each face of said rectangular drum having an opening provided therein, a glass panel for each of said openings, said panels having signalling indicia thereon, each of said glass panels in the side faces of the drum being adapted to be moved into alignment with the opening and transparency provided in the rear face of the casing for displaying said signalling indicia.

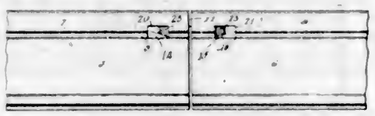
1,580,737. SPOUT FOR CONTAINERS. HARRY C. KETTELSON, Milwaukee, Wis., assignor to Products Mfg. & Sales Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 29, 1925. Serial No. 53,302. 1 Claim. (Cl. 221—28.)



A cover and spout construction for containers comprising a body portion adapted to be secured to the container, a spout leading outwardly from the body portion and having an open inner and outer end, said spout

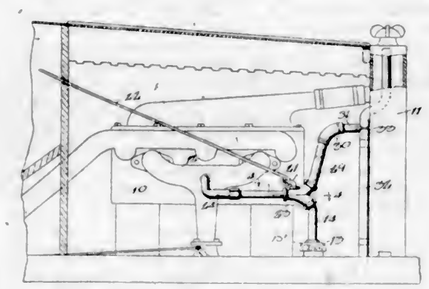
being formed of a rolled strip of sheet metal having overlapping ends with the inner underlapping portion depressed inwardly a distance greater than the thickness of the sheet metal, and an air channel formed of a strip of sheet metal and positioned within said spout and having a lateraly extending lip located within the depressed portion between the overlapping portions.

1,580,738. RAIL JOINT. JOSEF KOVARIK, Corvallis, Oreg. Filed Aug. 20, 1925. Serial No. 51,430. 2 Claims. (Cl. 238—219.)



1. In a rail joint, a pair of rail ends having longitudinally extending grooves formed in their tread portions with each groove of dove-tail-shape in cross-section and opening through the end face of the rail end, a key of dove-tail-shape in cross-section received in the grooves formed in said rail ends, said key having notches formed in its lower face, and upwardly spring pressed dogs carried by said rail ends and adapted to have their ends received in the notches formed in said key for preventing relative longitudinal movement between the rail ends and the key.

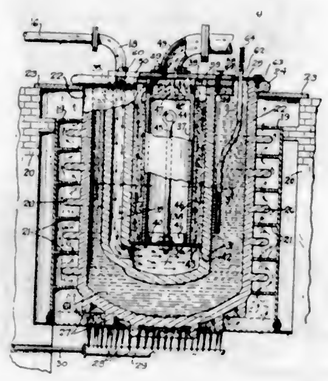
1,580,739. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. MAURICE N. LEBECQUE, Tonopah, Nev. Filed July 21, 1923. Serial No. 652,993. Renewed Nov. 3, 1925. 1 Claim. (Cl. 123—25.)



An attachment of the character described comprising a pipe section having a threaded portion at its one end adapted to be threaded through an intake manifold of an internal combustion engine, a spray nozzle carried by the last-named end of the said pipe section, a Y coupling supporting a mixing valve carried by the other end of said pipe connection, pipe extensions carried by the Y coupling whereby the overflow pipe of an engine cooling system and the interior of the engine crank case may be brought into communication with the intake manifold.

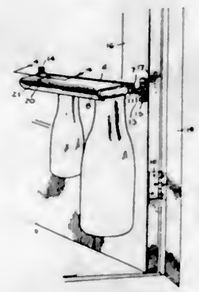
1,580,740. CATALYZING APPARATUS. DAVID A. LEGG and CLARENCE W. HANCOCK, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Feb. 20, 1923. Serial No. 620,165. 20 Claims. (Cl. 23—288.)

1. In a catalyzing apparatus, an outer heat exchanging chamber a hollow cylindrical body of catalytic material within said chamber, removable means for supporting said material and holding same against the inner wall of



said chamber, and means for passing vapors to be catalyzed downwardly through said heat-exchanging chamber and then upwardly through said material.

1,580,741. BOTTLE SAFETY HOLDER. THOMAS JOHN LILLY, Montreal, Quebec, Canada. Filed Sept. 11, 1924. Serial No. 737,173. 1 Claim. (Cl. 232—42.)

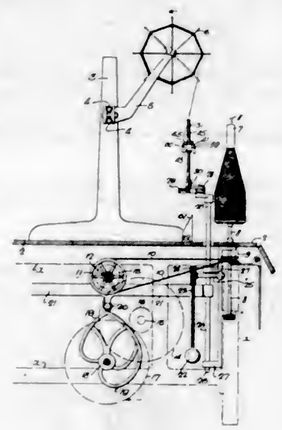


A bottle safety holder comprising an inverted channel plate adapted to suspend the bottles therefrom, a plurality of lugs secured to one flange of said plate, and a removable pivot rod adapted to be inserted through said lugs and having its ends projecting beyond the ends of said plate and engaging a pair of bracket bearings rigidly secured to a door adjacent to a casement thereof, said pivot rod adapted to be disengaged from said bracket bearings and said lugs in the open position of said door.

1,580,742. BUILDER MOTION FOR WINDING MACHINES. JOHN LINDSAY, Philadelphia, Pa., assignor to Lindsay, Hyde & Company, a Firm composed of John Lindsay and James Lindsay, Philadelphia, Pa. Filed Mar. 12, 1923. Serial No. 624,464. 8 Claims. (Cl. 242—29.)

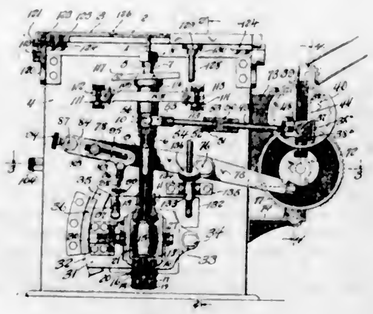
1. In a builder motion for winding machines, the combination with a reciprocating structure, of a threaded shaft rotatably mounted in said structure, means for intermittently rotating said shaft through a predetermined

angle, a rider slidably mounted on said structure, an element carried by said rider and movable therein, means for retaining the said element immovable in the rider,



means for maintaining threaded engagement between the element and the shaft, and means operative when the yarn parts for releasing the element in the rider.

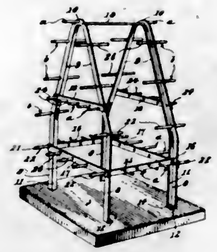
1,580,743. MORTISING MACHINE. WILLIAM LOEFFLER, Sheboygan, Wis. Filed Aug. 25, 1923. Serial No. 659,322. 14 Claims. (Cl. 144—69.)



1. A mortising machine comprising a revolubly mounted shaft having a cutter-carrying end, means for rotating said shaft, a housing for said haft, a support having a universal connection with said housing at a point remote from the cutter-carrying end of said shaft, and mechanism for oscillating said housing laterally and longitudinally of said machine.

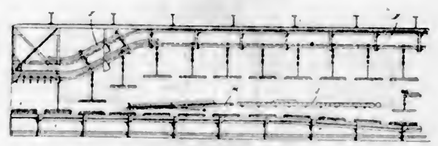
1,580,744. DISPLAY RACK. WILLIAM C. LYON and ALPHEUS MCCULLEN, Durham, N. C. Filed Apr. 10, 1924. Serial No. 705,528. 1 Claim. (Cl. 211—14.)

A display rack comprising a base, a pair of angle iron side frames mounted on said base in spaced parallelism, transverse brace members connecting the side frames intermediate the upper and lower extremities of the same, a pair of closely positioned, parallel brace members connecting the upper extremities of the side frames and being formed of pipe sections having tie bolts extending through their bores and through apertures formed in flanges of the angle iron side frames, horizontal strip members fastened to each side frame by relatively long tie bolts which project laterally of the frames and have their free portions encircled by pipe sections for forming pegs, lateral pegs mounted on said transverse brace members



and horizontal strip members and including pipe sections supported by tie bolts extending through their bores and through apertures in said members, and a plurality of double pegs mounted on said side frames, said double pegs each including a pair of axially alined pipe sections arranged one on each side of a frame member and secured thereto by a bolt passing through the bores of said pipe sections and an aperture in a flange of said side frame.

1,580,745. APPARATUS FOR CHARGING AND REMOVING TIRES FROM VULCANIZING MOLDS. JESSE E. MCBRIDE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed July 14, 1919. Serial No. 310,834. 7 Claims. (Cl. 198—19.)

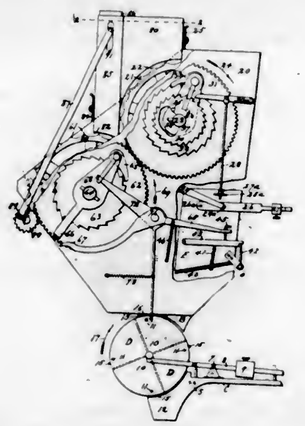


1. The combination with means for transporting a series of sectional molds and means for separating and reuniting the sections thereof during transit, of means operating between the separated sections of molds and capable of connection with the work for lifting and removing the work from the lower sections thereof, and means also operating between the separated sections of the molds for charging the same with new work in advance of the reuniting of the sections.

1,580,746. FEEDING DEVICE FOR AUTOMATIC SCALES. THOMAS F. MCKEIGHAN, Fresno, Calif., assignor to Sun-Maid Raisin Growers Association, Fresno, Calif. Filed Apr. 30, 1924. Serial No. 709,991. 9 Claims. (Cl. 249—15.)

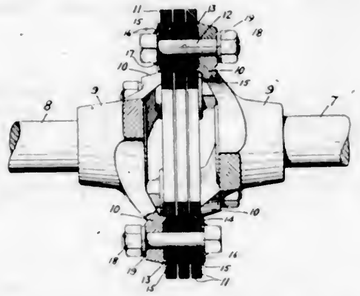
1. In an automatic scale having means for feeding a bulk stream and a dribble stream into the automatic scale hopper, said bulk stream being fed intermittently at intervals determined by a pre-determined under weight placed within said hopper, and said dribble stream being fed by means consisting of a feeding chamber, a dribble

stream discharge opening therein, a vertical slideway within the chamber, and having one end thereof adjacent to the dribble stream discharge opening, a slide adapted



to have a vertical movement within the slideway, and means for imparting a reciprocating movement to said slide.

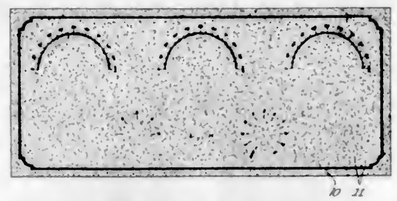
1,580,747. FLEXIBLE JOINT. HARRY P. MACDONALD, Montclair, N. J., assignor, by mesne assignments, to Spicer Manufacturing Corporation, South Plainfield, N. J., a Corporation of Virginia. Filed Aug. 6, 1919. Serial No. 315,613. 3 Claims. (Cl. 64—96.)



1. In a torque-transmitting flexible coupling, the combination with flexible discs of connecting means including lateral clamps, bolt-like members through the discs securing the clamps together, and washers on said members between discs marginally beaded and sunk therein, but leaving the discs substantially undistorted within the zones of such engagement, the margin of the washer being well removed from the hole therein.

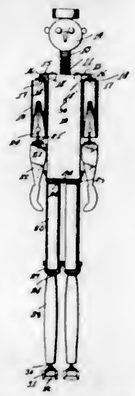
1,580,748. ETCHED METAL BODY AND METHOD OF PRODUCING SAME. GEORGE H. MAMEROW, Chicago, Ill., assignor to Crowe Name Plate & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 24, 1925. Serial No. 45,808. 10 Claims. (Cl. 41—24.)

2. An etched metal body having etched portions with an etched background, said background being formed of portions in relief and portions forming outlining surfaces for said relief portions with one of said portions of said



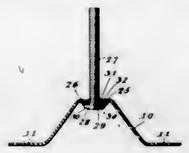
background oxidized, said relief portions of said background occupying a plane in the rear of the plane of said first-referred-to etched portions.

1,580,749. FIGURE TOY. ALEXANDER R. MARCHAND, Baton Rouge, La. Filed Oct. 9, 1924. Serial No. 742,616. 1 Claim. (Cl. 46—40.)



A figure toy including a body and articulated arms and legs, the legs consisting of upper and lower portions and foot portions, a T-shaped member having the end of its leg engaged in the lower end of the lower leg portion, and a looped strap member on the foot portion having an opening in its upper portion receiving the leg of the T-shaped member therethrough and the head of said T-shaped member within said loop whereby to permit lateral swinging movement of the foot portion with respect to the lower leg portion, the said opening being of greater diameter than the leg of the T-member whereby to permit forward and rearward swinging movement of the foot portion.

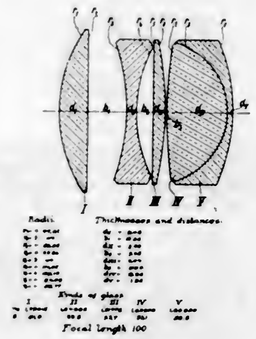
1,580,750. BATTERY-ELEMENT SUSPENSION MEANS. MARTIN L. MARTUS, Woodbury, and JAMES G. ROSS and EDMUND H. BECKER, Waterbury, Conn. Filed Mar. 11, 1925. Serial No. 14,847. 6 Claims. (Cl. 136—115.)



2. A hanger for an assembled primary battery unit adapted to be removably suspended from the cover of a battery jar, comprising a centrally apertured frame adapted to be connected to said unit, a single central

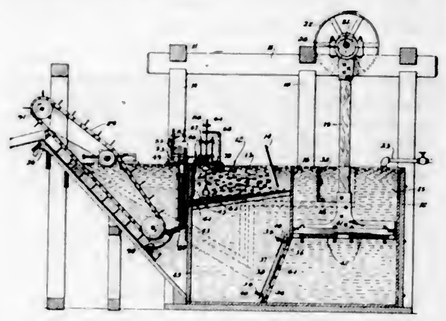
suspension rod provided at one end with a head and engaged in said aperture with said head abutting one side of said frame and integrally secured thereto by pressure and welding and without the addition of foreign material.

1,580,751. LENS SYSTEM. WILLY MERTÉ, Jena, Germany, assignor to Carl Zeiss, Jena, Germany, a Firm. Filed July 19, 1924. Serial No. 727,086. 1 Claim. (Cl. 88—57.)



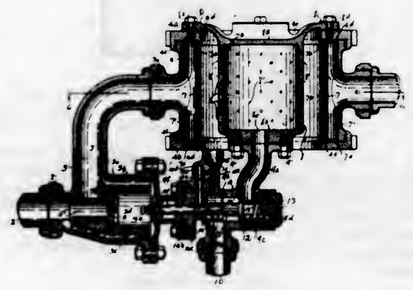
In a lens system corrected spherically, chromatically and with respect to coma, two collective single members, a biconcave single member disposed between these two collective members, and a positive cemented double member, whose partial members have opposite refractive power, whereby the dispersive partial member forms one of the outer members of the lens system and is a meniscus.

1,580,752. JIG. GEORGE LEROY MILLER, Shickshinny, Pa. Filed Feb. 20, 1924. Serial No. 694,100. 14 Claims. (Cl. 209—496.)



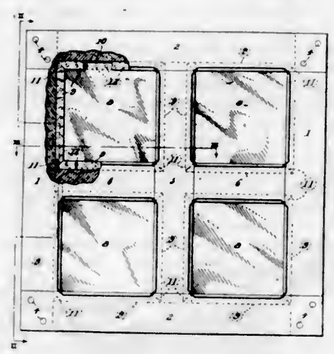
1. In a jig of the character described, the combination of a separator box having an opening near its bottom for the discharge of the heavier particles which settle by gravity in the bottom of the box, a gate controlling said opening, a solenoid associated with the gate and operable when energized to open said gate, a switch controlling the electric circuit through the solenoid, resilient means normally holding said switch open, an electromagnet operable when energized to close said switch in opposition to said resilient means, a float depending within the box in a position to be raised by an accumulation of the heavier particles in the bottom of the box and having a stem with means thereon for closing the circuit through the magnet coil when the float is raised a predetermined distance, and means associated with the last mentioned means for maintaining a circuit through the magnet coil while the float moves downwardly toward its original position.

1,580,753. AUTOMATIC WATER HEATER. CHARLES W. MILLS, Syracuse, N. Y. Filed Oct. 25, 1922. Serial No. 596,852. 7 Claims. (Cl. 236—25.)



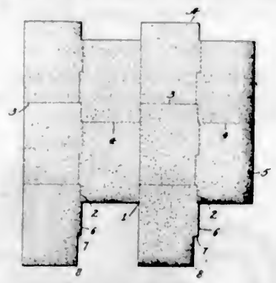
1. A water heater including a water chamber having inlet and outlet openings, a burner for heating the chamber, a valve for supplying gas to the burner, a pilot light for igniting the gas at the burner, a valve having movement independent of the first valve for increasing the normal feed of the gas to said light prior to actuation of said first valve, a valve for controlling the flow of water to the chamber, a by-pass structure for supplying water to the chamber while the heater is idle, means actuated by the opening of the water-control valve for successively opening the pilot light valve and the gas burner valve, and means for closing the gas-control valves and for starting the closing of the water-control valve upon stopping the flow of water through the chamber.

1,580,754. WINDOW FRAME. TONY MULARCIK, Laflin, Pa. Filed Feb. 28, 1923. Serial No. 621,800. 2 Claims. (Cl. 20—56.4.)



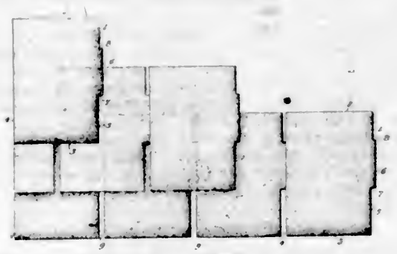
1. A cushion binding strip for window glass consisting of a strip of elastic material U-shaped in cross section to provide a back and side walls between which the edge of a window glass may be received, and spaced vacuum cups formed on the confronting inner faces of said side walls.

1,580,755. METHOD OF MAKING SHINGLES. JOSEPH A. MURRAY, York, Pa. Filed Mar. 14, 1925. Serial No. 15,539. 4 Claims. (Cl. 164—17.)



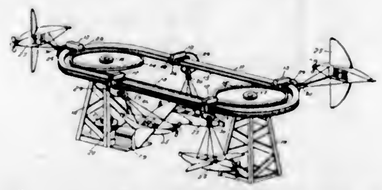
1. The herein described method of forming shingles from a strip of material which consists in longitudinally and transversely cutting the strip to form a plurality of rows of shingles, each of the shingles having a projection formed on one side edge, one end of the projection terminating at the transverse cut of the adjacent row of shingles.

1,580,756. SHINGLE. JOSEPH A. MURRAY, York, Pa. Filed Mar. 14, 1925. Serial No. 15,540. 1 Claim. (Cl. 108—8.)



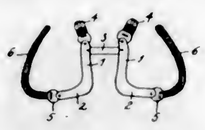
A shingle of the character described comprising a body portion having one vertical edge straight and the other vertical edge formed with a projection extending therefrom intermediate the top and bottom edges, said projection having a straight outer edge and one end thereof extending inwardly of the body portion a greater distance than the opposite end whereby that portion of the body lying beyond one end of the projection will be of greater width than that portion lying beyond the opposite end.

1,580,757. AMUSEMENT RIDING DEVICE. ALFRED W. NICHOLS, Revere, Mass. Filed Sept. 11, 1924. Serial No. 737,216. 8 Claims. (Cl. 272—40.)



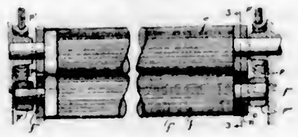
1. An amusement device comprising driving means adapted to follow a circular course in a horizontal plane and including an arm arched to extend vertically over and under the plane of the course on the outside thereof, a passage-carrier, and means having the said passenger-carrier suspended therefrom and constrained to slide along the said arm from one end to the other thereof as the said passenger-carrier is alternately swung outwardly and inwardly by centrifugal and gravitational force.

1,580,758. BACK-STRAIGHTENER. JOHAN ERNST NYROP, Copenhagen, Denmark. Filed Oct. 15, 1924. Serial No. 743,779. 3 Claims. (Cl. 2—44.)



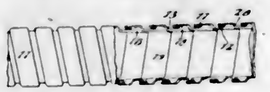
1. A spinal or back-straightener comprising a pair of angular plates; a single link pivotally connecting said plates together; and a band for each plate for securing said plates to the shoulder of a wearer.

1,580,759. PAPER-FOLDING MACHINE. ANDREW OLSON, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,235. 6 Claims. (Cl. 270—68.)



1. In a paper-folding machine of the class described, the combination with a pair of coacting folding rolls and folding plates, of a terminal mounting for one of said rolls permitting its eccentric adjustment therein toward the other roll, and an adjustment adapted to effect the eccentric relation of the mounting and the frictional engagement of the rolls, substantially as set forth.

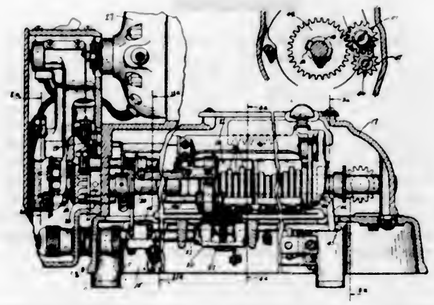
1,580,760. METHOD AND APPARATUS FOR MAKING FLEXIBLE METAL LINED TUBES. CHARLES PALMER, Buffalo, N. Y., assignor to Federal Metal Hose Corporation, Buffalo, N. Y., a Corporation of New York. Original application filed May 3, 1923, Serial No. 636,441. Divided and this application filed Mar. 7, 1924. Serial No. 697,665. 2 Claims. (Cl. 113—35.)



1. The hereindescribed method of producing a flexible metal tube having a sheathing and a lining, the sheathing consisting of a strip of metal which in cross section has two parallel longitudinal body sections, the opposing inner edges of which are offset from each other and connected by a web and the outer longitudinal edges of which are provided with hooks which are reversely bent along opposite sides of the respective body sections, and the hook on one edge of one convolution interlocking with the hook on the opposite edge of the next convolution and said lining consisting of a strip of metal which in cross section has two parallel body sections which are off-set and a web connecting the inner longitudinal edges

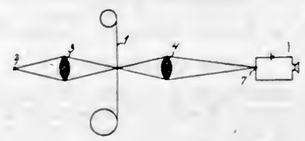
of said off-set sections of the lining body, said sheathing being first partly formed in cross section and then finished in cross section and the hook on one edge of each convolution interlocked with the opposite hook of the adjacent convolution, and said lining being formed in cross section and fed into the sheathing strip after the latter is partly formed and before the same is finished, whereby said lining is interlocked with said sheathing and each convolution of the lining laps with one edge over a part of the adjacent convolution of the lining.

1,580,761. WORK-EJECTING MEANS FOR PRINTING APPARATUS. WALTER B. PAYNE and FLOYD A. GREENE, Rochester, N. Y., assignors to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Dec. 13, 1923. Serial No. 680,419. 5 Claims. (Cl. 271—63.)



1. The combination with a printing apparatus of means for driving the same, a work ejecting device comprising a part movable to and from position for engagement with the work, an actuating connection with said driving means for driving said device to eject the work, and control means for moving said part to engage the work comprising cooperating elements one of which is connected with said part having a feeding coaction with each other for automatically disengaging the same and effecting return of said part out of engagement with the work.

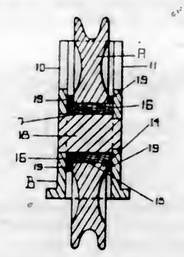
1,580,762. REPRODUCTION OF SPEAKING FILMS. ARNOLD POULSEN and AXEL CARL GEORG PETERSEN, Copenhagen, Denmark. Filed Apr. 30, 1924. Serial No. 710,197. 4 Claims. (Cl. 179—100.1.)



1. The process of reproducing sounds, comprising the steps of passing light through a moving phonogram, and forming an enlarged image thereof across a linear light-sensitive cell elongated transversely of the line of travel of the film and including in a reproducing circuit.

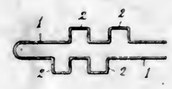
1,580,763. SASH-WEIGHT PULLEY. ERNEST S. REILAND and PETER M. REILAND, St. Paul, Minn. Filed Feb. 12, 1925. Serial No. 8,675. 1 Claim. (Cl. 16—210.)

A sash weight pulley including a housing having parallel side walls, a pulley adapted to be positioned between said side walls, a cored polyangular opening formed through said pulley having an inner roughened



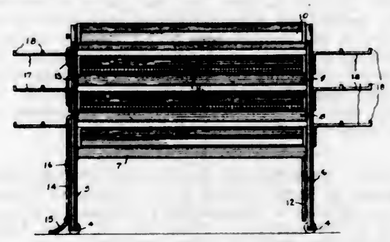
serrated surface and a nonmetallic core bushing member treated with a lubricant adapted to be held fixed by said roughened cored surface in said pulley.

1,580,764. HAIRPIN. FRANK A. ROFFEY, Milton, Mass. Filed July 17, 1925. Serial No. 44,171. 1 Claim. (Cl. 132—50.)



A hair pin each of whose legs is formed with two bends each of which compose three sides of a rectangle, the bends on each leg reaching away from the other leg and being staggered with respect thereto.

1,580,765. DISPLAY RACK. WILLIAM SANDER, Snoqualmie Falls, Wash. Filed Mar. 16, 1925. Serial No. 15,840. 1 Claim. (Cl. 211—14.)

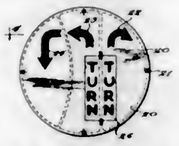


A portable display rack embodying two upright end supports, a plurality of relatively long rectangular trays secured to said supports in spaced relation one above the other and inclined downwardly toward the front, the uppermost tray and lowermost tray both having solid bottoms and the intermediate trays each having porous bottoms, a water discharge pipe connected with said lowermost tray, water pipes extending lengthwise along the bottoms of the trays above the lowermost tray for spraying water onto the next adjacent tray below, and a water supply pipe connected with said water spray pipes.

1,580,766. DIRECTION SIGNAL. SETH S. SCHLOTTENBECK, New Paris, Ohio. Filed Jan. 18, 1924. Serial No. 687,037. 5 Claims. (Cl. 177—329.)

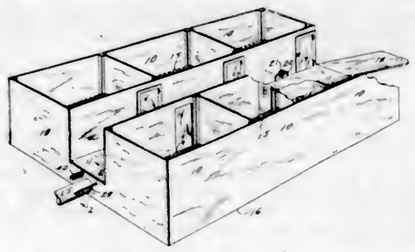
2. A direction signal for vehicles including a casing, a face plate carried thereby and provided with a turn indicator pointing to the left as well as a second turn-around indicator pointing from the left turn indicator in a direction at substantially a right angle to the direction indicated by said left turn indicator, a legend plate

carried by the face plate and having a legend associated with the former indicator, the casing being changeable in position to invert said indicators and the legend plate being reversible to afford a correct reading of said



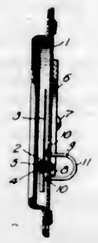
legend when the indicators are inverted whereby the signal may be used either at the front or rear of the vehicle, and means for illuminating said legend and said indicators.

1,580,767. DRIER STRUCTURE. LARS J. SKROMME, Roland, Iowa. Filed Feb. 19, 1925. Serial No. 10,256. 6 Claims. (Cl. 34—19.)



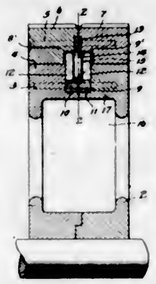
4. In a drying structure, a plurality of aligned compartments, a plurality of aligned compartments parallel therewith, an air flue arranged between the compartments forming a way, said structure having closure controlled openings between the flue and the respective compartments, and means for forcing heated air through the flue to the compartments whose closures are open, comprising a heating device and a pump element, and means for controlling the temperature comprising a temperature actuated member in the flue operatively connected with the heating device for controlling the functioning thereof.

1,580,768. ELECTRICAL MEASURING INSTRUMENT. VICTOR H. TODD, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 26, 1921. Serial No. 448,100. 20 Claims. (Cl. 171—95.)



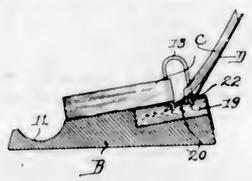
16. An electrical measuring instrument comprising a movable element, a casing enclosing said element and a member for effecting movement thereof and having a portion accessible from the exterior of the casing for positioning an electrical element with respect to the movable element whereby said movable element is operated.

1,580,769. YIELDABLE TOOTHED WHEEL, CLUTCH, AND THE LIKE. WILHELM ROBERT UGGLA, Stockholm, Sweden. Filed Jan. 30, 1924. Serial No. 689,577. 2 Claims. (Cl. 74—29.)



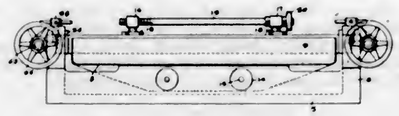
1. In a resilient driving connection, the combination with a rotatable member and a surrounding member divided transversely to the axis of rotation, of projections jammed between the parts of the surrounding member, dies located in a groove in the member first mentioned and provided with lateral pins engaging recesses in the member, said projections and dies being arranged in sets and the projection of each set disposed between the dies of the set, helical springs located between the said sets and bearing with their ends centrally and directly against the projections and dies, and pockets provided in the members for the said springs and adapted to guide the spring laterally.

1,580,770. COLLAPSIBLE DAILY-MEMORANDUM CALENDAR. PAUL H. WELCKER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 12, 1921. Serial No. 436,770. 6 Claims. (Cl. 40—120.)



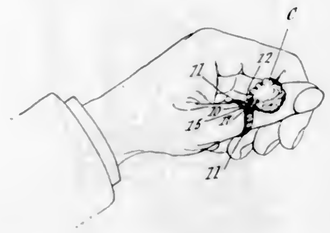
1. A calendar, comprising a base portion, pad supporting loops held under spring tension to said base portion, a sheet rest slidably held to said loops and a tongue projecting from one end of said rest adapted to support said rest in an inclined position, by engaging with said base.

1,580,771. DEVICE FOR LINING OF CROSSHEAD GUIDE SHOES. WILLIAM J. WOOSTER, Big Spring, Tex. Filed Sept. 16, 1925. Serial No. 56,780. 9 Claims. (Cl. 22—123.)



1. A device for facilitating lining of cross head guide shoes with bearing material including an open frame having side members adapted for supporting reception of the shoe, a core plate adapted to be positioned between the guide flanges of the shoe, said frame including end members adapted for supporting reception of the ends of the core plate whereby the side and bottom surface of the latter are maintained in spaced relation to the bearing surfaces of the shoe, and clamping devices rigidly secured upon the ends of the frame and including pairs of jaws adapted to grip opposite sides of the ends of the core plate for rigidly maintaining the latter in proper position relative to the shoe.

1,580,772. SUPPORTING DEVICE. JOHN T. ASHTON, Alexandria, Va. Filed July 3, 1924. Serial No. 724,009. 6 Claims. (Cl. 24—81.)



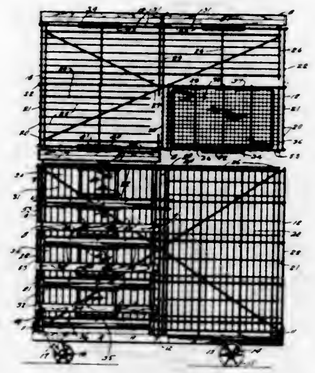
1. A device of the class described including opposed pivotally-united members, the said members comprising opposed gripper members and opposed finger-engaging portions, the gripper member being constructed to securely grip material therebetween and cooperating with the finger-engaging portions to securely hold the finger-engaging portions in engagement with the user's finger when the material is gripped between the opposed gripper members, the finger-engaging portions being yieldable to permit material of various sizes to be held by the gripper members and to impart gripping stress to the opposed gripper members.

1,580,773. METHOD OF DECORATING METAL PLATES. FREDERICK H. AULD, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio. Filed Aug. 24, 1925. Serial No. 51,986. 6 Claims. (Cl. 41—35.)

1. A method of decorating plates which consists in providing the plate with a plurality of recesses, pressing a sheet into said recesses, then removing portions of the sheet from selected recesses and then pressing a sheet into the vacant recesses and removing portions thereof not confined in said recesses.

1,580,774. POULTRY-FEEDING BATTERY. SETH S. BARKER, Ottumwa, Iowa. Filed Jan. 12, 1925. Serial No. 1,888. 3 Claims. (Cl. 119—17.)

1. A battery feeder for poultry comprising a wheel mounted frame, a wire frame work mounted on said frame for forming end and side walls and a top, a vertical partition wall in said wire frame work extending between two walls thereof, horizontal bottoms for dividing the feeder into a number of poultry receiving compartments one above another, said partition wall dividing the decks into compartments, a door for each of said compartments, vertical and horizontal guide members for the door, said door being slidably mounted on said

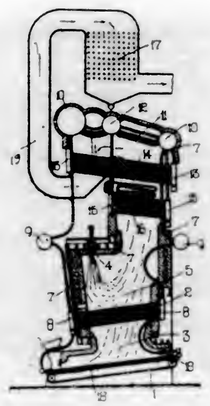


guide members and capable of being moved within the compartment until it assumes a substantially horizontal position.

1,580,775. DOOR CONSTRUCTION FOR POULTRY COOPS. SETH S. BARKER, Ottumwa, Iowa. Original application filed Jan. 12, 1925, Serial No. 1,888. Divided and this application filed Dec. 9, 1925. Serial No. 74,330. 6 Claims. (Cl. 119—17.)

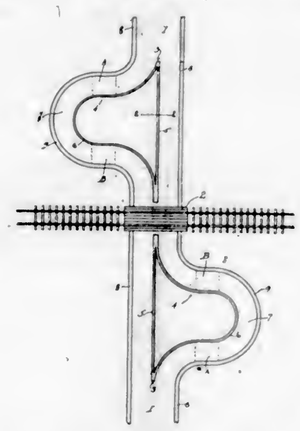
1. A door construction for poultry feeders and the like comprising a frame defining a door opening, a door for said opening, loops formed on the lower end of said door engageable with the vertical portions of said frame, a guide rod horizontally disposed and in connection with the frame, means of connection between the horizontal guide rod and the upper end of the door, whereby movement of the door to open position will cause it to move upwardly and inwardly with the loops sliding upon the vertical portions of said frame and the upper end of said door sliding inwardly upon said horizontal rod.

1,580,776. WATER-HEATING AND STEAM-GENERATING BOILER. ALFRED WILLIAM BENNIS, Bolton, England. Filed Aug. 3, 1925. Serial No. 47,928. 2 Claims. (Cl. 122—235.)



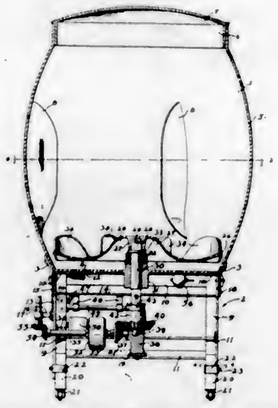
1. A water heating or steam generating boiler comprising in combination, a combustion chamber, a fuel jet arranged in the roof of the combustion chamber, a furnace grate situated at the base of the combustion chamber, and a bank of tubes situated intermediate the fuel jet and the furnace grate and adapted to receive heat on the upper sides of the tubes from the fuel jet and on the lower sides of the tubes from the furnace grate.

1,580,777. RAILWAY SAFETY CROSSING. CHARLES BENTZ, St. Marys, Ohio. Filed Sept. 28, 1925. Serial No. 59,021. 1 Claim. (Cl. 238—3.)



The combination with a main roadway, of a railway crossing intersecting the same, abutments disposed upon opposite sides of the crossing and having straight wall sections located centrally of the main roadway and disposed in direct alinement with each other, curved wall sections connected with the straight wall sections and extending laterally therefrom and defining diagonally disposed curved roadways having unobstructed communication with the main roadway upon opposite sides of the crossing said curved wall sections having comparatively straight sections upon opposite sides, whereby drivers travelling the curved roadways will have their lines of vision directed parallel with the crossing upon both sides of the curved wall sections.

1,580,778. WASHING MACHINE. OSCAR A. COVERSTONE, Pemberton, Ohio. Filed July 18, 1925. Serial No. 44,548. 3 Claims. (Cl. 259—108.)

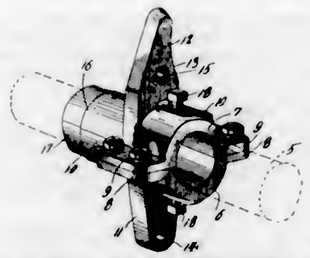


1. A washing machine comprising a vertically disposed receptacle, a horizontally disposed disk rotatably mounted in said receptacle adjacent the bottom thereof, cups extending upwardly from the peripheral portion of said disk and being U-shaped in top plane with their open sides facing circumferentially of the disk in one direction of rotation and adapted to impart a whirling motion to fluid in said receptacle when the disk is rotated, the side arms of said cups being substantially vertical and the portions of said cups connecting the side arms thereof being inclined to extend in overhanging relation to said disk and impart an upward thrust to the fluid, and means to rotate said disk.

1,580,779. COATING TEXTILES WITH METAL. GEORGE CROMPTON, Jr., Worcester, Mass. Filed Aug. 26, 1925. Serial No. 52,684. 6 Claims. (Cl. 41—18.)

1. The process of coating a textile with an adhering amalgam, which consists in causing a coating of non-mercuric metal to be deposited on said textile, and then bringing the coating in contact with mercury.

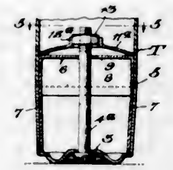
1,580,780. SPLIT PICK-CAM HUB. CARSON E. DIXON and JAMES H. BOONE, Henrietta, N. C. Filed Jan. 11, 1923. Serial No. 612,071. 1 Claim. (Cl. 287—52.)



A split hub for the cam of a picker stick comprising a pair of like companion semi-cylindrical sleeve sections, radially extending abutting attaching flanges formed on the sleeve sections, removable means extending through

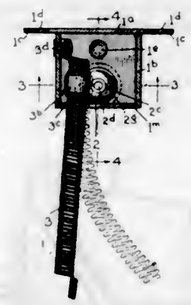
the flanges for detachably connecting the sections together, cam attaching arms formed on the sections at the ends of said flanges, means for securing the sections on a shaft for movement therewith, and extensions formed on the sections extending beyond the flanges and arms.

1,580,781. FOOT FOR FURNITURE LEGS. JASON A. FITCH, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Aug. 16, 1924. Serial No. 732,468. 4 Claims. (Cl. 16—42.)



1. A foot for furniture legs comprising in combination with the hollow leg, a caster cup having side walls portions adapted to match and aline with the walls of the leg, means within the caster cup for telescopically fitting within and engaging with the inner side walls of the leg, a clamping plate of bowed formation adapted to slidably bear against said means, and a screw engaging said plate at one end and having the head thereof exposed at the bottom of the caster cup, whereby manipulation of the screw will tend to flatten out the plate.

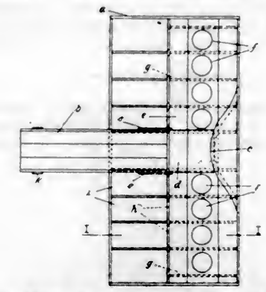
1,580,782. SWITCH. ANGUS R. GROSS, Baltimore, Md. Filed Nov. 9, 1923. Serial No. 673,740. 2 Claims. (Cl. 200—153.)



1. A switch of the character specified comprising a normally closed casing having an opening in one face thereof; a pair of spaced contact heads insulated from the casing and extending into the casing from opposite walls thereof; and a helical spring extending through the opening into the casing adjacent the contact heads, and having its inner end secured within the casing; whereby when the spring is flexed the spring will bridge the contact heads and close an electric circuit therethrough.

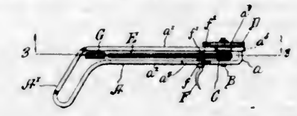
1,580,783. GAME DEPENDING ON SKILL. FRIEDRICH HOLST, Rostock, Germany. Filed Oct. 8, 1925. Serial No. 61,318. 1 Claim. (Cl. 273—124.)

The combination in a game depending on skill, of a wooden casing, a channelled board connected to it, a curved deflector at the front of the back side of said casing, a depressed horizontal platform between said curved deflector and the channeled board, a horizontal surface having round holes in this surface a sloping bottom underneath these holes on which balls used for



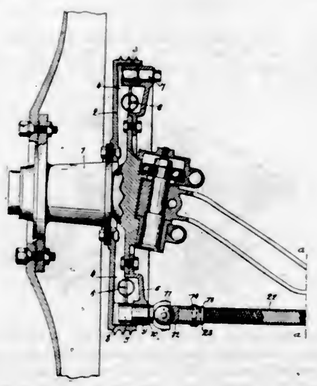
playing the game can drop, round openings in front of the box and numbered compartments to receive said balls, all substantially as set forth.

1,580,784. TOY-PISTOL NAIL CLEANER. EDWARD EVERETT HAYDEN, Washington, D. C. Filed Apr. 15, 1925. Serial No. 23,360. 2 Claims. (Cl. 132—74.)



1. A manicure tool of the character described, comprising a frame in the form of a single bent plate, bent double upon itself and bent downwards at its rear end to form a pistol grip, and provided at its forward end with a notch, a spindle journalled in said frame, a rotary tool carried by said spindle, a drive wheel secured on said spindle, a trigger slidably mounted in said frame, and means operated by said trigger for rotating said drive wheel in one direction, with automatic means for restoring the parts to the initial position when said trigger is released, substantially as described.

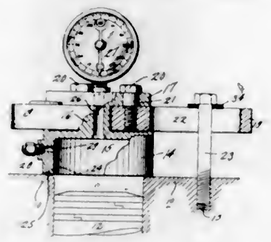
1,580,785. BRAKE-CONTROL DEVICE FOR FRONT WHEELS. LUCIEN HERSOT, Limours, France. Filed Jan. 30, 1922. Serial No. 532,794. 2 Claims. (Cl. 188—194.)



1. In a brake control device for the front wheels of motor vehicles, the combination of a brake drum mounted upon the wheel, braking elements disposed within the said drum, a cam adapted to actuate these braking elements, a

bearing-support adapted to be mounted upon the front axle, a revolving sleeve mounted so as to be able to slide in said supports, a control lever mounted upon one of the ends of said sleeve, a flexible cable the one end whereof is secured in the other end of said sleeve, the opposite end of said cable being connected with the said cam.

1,580,786. COMPRESSION TESTER FOR COMBUSTION ENGINES. CHARLES KRONE, Davenport, Iowa. Filed Nov. 4, 1925. Serial No. 66,736. 5 Claims. (Cl. 73—51.)

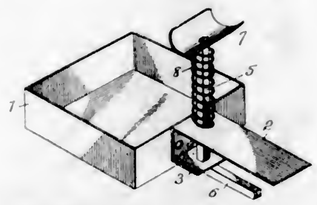


1. In combination with an engine block having a cylinder opening therein, of a compression tester comprising a member adapted to fit over the cylinder opening in the engine block, means for connecting said member with the engine block, an inlet valve in said member in communication with the cylinder opening and a gauge on said member adapted to register the compression within said cylinder opening.

1,580,787. PROCESS OF PRODUCING HOMOGENEOUS, MOLDABLE POWDERS FROM FIBROUS CEMENTS, IWAN EMIL LANHOFFER and OSCAR EDMOND LANHOFFER, Paris, France, assignors to Simon J. Dannenberg, New York, N. Y. Filed Mar. 18, 1925. Serial No. 16,569. 2 Claims. (Cl. 83—6.)

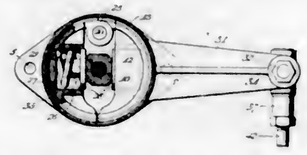
2. A process of producing homogeneous, moldable powders from fibrous cements, comprising the steps of forming a wet mortar from fibrous material and cement; compressing the mortar into plate or block form to expel all excess water therefrom; and then subjecting the plate or block to the action of a rapidly-rotating grinding element to reduce it to the form of a moist powder.

1,580,788. ASH TRAY AND CIGAR HOLDER. JAMES B. LINGARD, Kansas City, Mo. Filed Jan. 15, 1923. Serial No. 612,802. 3 Claims. (Cl. 131—51.)



1. In a device of the kind described, a lateral bracket adapted to rest upon the upper side of the top of a table and to support an ash tray, a clamping member vertically slidable in the bracket and having a lateral arm adapted to clamp against the under side of the top of the table, a spring normally forcing the arm upwardly, and a cigar receptacle carried by said member, substantially as set forth.

1,580,789. DOUBLE-ACTING SHOCK-ABSORBING BRAKE FOR AUTOMOBILES. ROBERT B. MCCONNEY, Denver, Colo. Filed July 22, 1922. Serial No. 576,796. 15 Claims. (Cl. 267—9.)

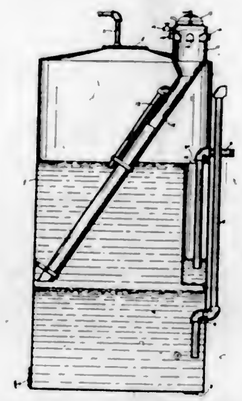


1. The combination with a base, of a housing, a brake shoe bearing upon the inner surface of the housing, spring means bearing upon the brake shoe and a rotary cam operative to variably press upon the spring means to variably press the brake shoe against the housing, said cam constructed to cause a different variation in the pressure upon the brake shoe depending upon its direction of rotation.

1,580,790. KNIFE OR INSTRUMENT FOR KILLING POULTRY. ALEXANDER MACALLISTER, Brownsburg, Quebec, Canada. Filed May 4, 1925. Serial No. 27,770. 12 Claims. (Cl. 17—11.)

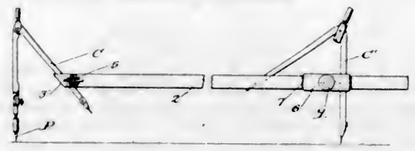
1. An instrument of the character set forth including a handle, a longitudinal beak guiding groove in the upper edge of said handle; a brain lobe piercer extending from said handle in alignment with said beak guiding groove; and a jugular vein incision knife extending from said handle beneath said brain lobe piercer.

1,580,791. OIL-SETTLING TANK. OTTO A. PETERS, Wichita Falls, Tex. Filed Apr. 8, 1924. Serial No. 704,985. 2 Claims. (Cl. 220—85.)



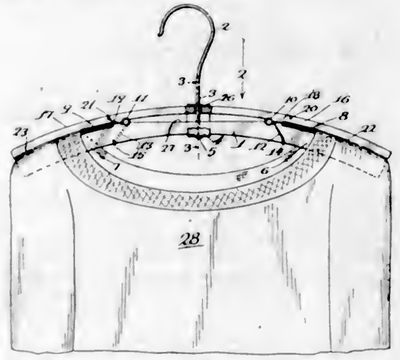
1. A separator of the character described comprising a tank, a supply pipe leading within said tank and terminating adjacent the bottom thereof, a housing supported within said tank and having its upper end open whereby when the oil within the tank rises above the upper end of said housing it may flow therein, an oil outlet pipe communicating with the lower end of said housing and leading from said tank at a point above said housing, a water outlet leading from said tank below said housing, and a gas outlet leading from the hopper end of said tank.

1,580,792. EXTENSION BEAM FOR COMPASSES. HUGO PRUSS, Berkeley, Calif. Filed Mar. 22, 1923. Serial No. 626,772. 1 Claim. (Cl. 33—160.)



In an extension beam construction, a beam, a box slidably mounted upon the beam, a shoe in the box against one side of the beam and held to slide with the box, a spring in the box against the shoe a screw tapped through the box against the spring, a block bifurcated from one end with one jaw fitting in the box against the other side of the beam from the shoe, and a clamping screw in the block crosswise of the bifurcation near its open end.

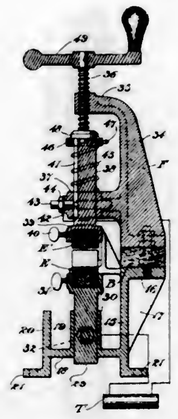
1,580,793. GARMENT HANGER. JOHN C. ROBESON, Los Angeles, Calif. Filed June 19, 1924. Serial No. 720,939. 1 Claim. (Cl. 223—64.)



A garment hanger comprising in combination a supporting frame in the form of a curved bar having its upper edge convex, a sheet metal loop secured to the frame at its mid position, the loop having a hole through the upper portion thereof, a hook having a shank passing through the hole in the loop and through the center portion of the frame, the hook being connected to the loop below the bar, the said bar having its upper edge at the apex cut away at the center, a pair of clamping bars positioned over the supporting frame, the clamping bars and supporting bar having seats in their adjoining faces, coil springs mounted in said seats having their ends engaging respectively the clamping bars and the supporting frame bar, the coils forming relatively stationary hinges for the clamping bars, the clamping bars being curved with the inner ends adapted to fit within the said loop.

1,580,794. BRAZER. HENRY W. SELTZER, Sawtelle, Calif. Filed Dec. 22, 1921. Serial No. 524,181. 3 Claims. (Cl. 219—12.)

1. A brazing apparatus comprising a lower frame and an upper frame insulated from the lower frame, a carriage adjustably mounted on the lower frame, an electrode sustained on the carriage, clamps on opposite sides of the carriage and sustained on the lower frame, a second carriage adjustable on the upper frame and including a shank, means for locking the shank against

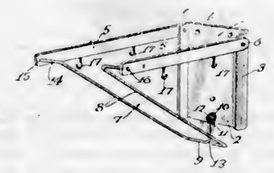


rotation, means for normally urging the shank upwardly on the frame, a socket on the lower end of the shank, an electrode removably sustained in said socket, and manually operable means carried by the upper frame and engageable with the shank for effecting longitudinal adjustment thereof against the action of said urging means.

1,580,795. ELECTRODEPOSITION OF ORGANIC MATERIALS. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 8, 1925. Serial No. 35,613. 3 Claims. (Cl. 204—1.)

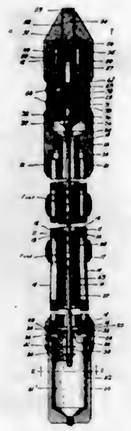
1. The process of depositing an organic material on an electroconducting surface of an object, comprising the steps of bringing said surface into contact with an electroconducting aqueous emulsion of said material, said emulsion containing a reducing agent compatible with said emulsion and with a deposit formed therefrom, and passing a depositing electric current through said surface and emulsion, the current density being one that ends to liberate oxygen at the anode.

1,580,796. HOLDER. HARRY L. SNYDER, West Los Angeles, Calif., assignor of one-half to Frank Dau, West Los Angeles, Calif. Filed Sept. 8, 1925. Serial No. 54,990. 3 Claims. (Cl. 211—14.)



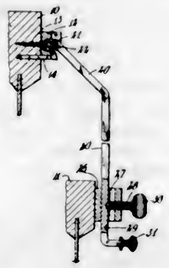
1. A holder comprising in combination a supporting panel having a web and a pair of vertical flanges, a pair of arms pivotally connected to the flanges, a brace pivotally connected to the outer ends of the arms and having a resilient loop at its inner end and a stud secured to the web of the panel adapted to engage the loop and hold the arms in extended position.

1,580,797. ELECTRIC HEATER. CHARLES C. ABBOTT, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 26, 1924, Serial No. 752,447. 10 Claims. (Cl. 219—33.)



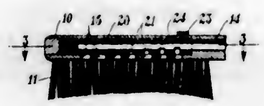
2. An electric heater comprising a metallic tubular member, a plurality of electric heating units secured around said member in good heat conducting relation therewith, a conducting rod extending through said tubular member forming a part of the electric circuit for said units, a fusible cut-out in said conducting rod, and means for applying a tension to said rod whereby said cut-out is ruptured to open the heating circuit upon the occurrent of a predetermined temperature.

1,580,798. WINDOW LOCK. JOSÉ ABELLA and JOSÉ MORA, New York, N. Y. Filed Mar. 9, 1923, Serial No. 624,022. Renewed Sept. 10, 1925. 1 Claim. (Cl. 292—305.)



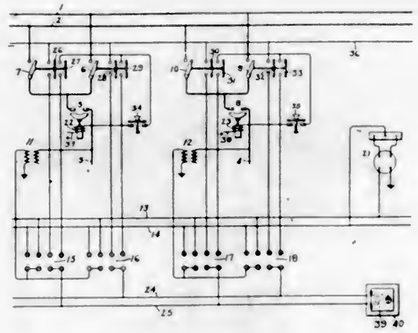
A window fastener comprising brackets adapted for fixing on the upper and lower sashes of the window, and a rod adapted to be removably engaged with each of said brackets, the upper bracket having a T-groove therein, and the rod having a T-bar pivoted to its upper end and adapted to engage in said groove, said T-bar being adapted to be swung at right angles to the rod for insertion in said groove, and pin and socket elements adapted to automatically engage as the T-bar swings from its said position to lock the T-bar against movement on said rod and means for locking the said rod to the lower bracket.

1,580,799. FOUNTAIN TOOTHBRUSH. ROBERT ANZALONE, Brooklyn, N. Y. Filed Dec. 20, 1924. Serial No. 757,121. 2 Claims. (Cl. 15—128.)



1. A toothbrush comprising a backing element, bristles secured to one face of said backing element, said backing element being formed with a longitudinal boring and having a number of apertures spaced therealong and leading from the said face into the said boring, and a valve in said boring for selectively controlling the said apertures, said valve being in the form of a sleeve arranged for rotary and longitudinal adjustment in the said boring and having a number of arcuate apertures therein spaced longitudinally in accordance with the apertures in the backing.

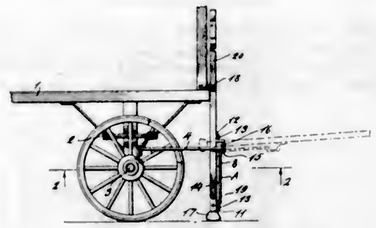
1,580,800. SYNCHRONIZING SYSTEM. JOHN AUCHINCLOSS, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 24, 1924. Serial No. 715,724. 5 Claims. (Cl. 171—118.)



1. The combination of a plurality of electrical conductors, a plurality of alternating current sources, a plurality of disconnect switches each connected between one of said conductors and one of said sources, main switches each provided with an operating coil for controlling the connections between one of said sources and all of said conductors, control current supply means and means operable to connect one of said operating coils to said supply means only when a plurality of said disconnect switches are in closed position.

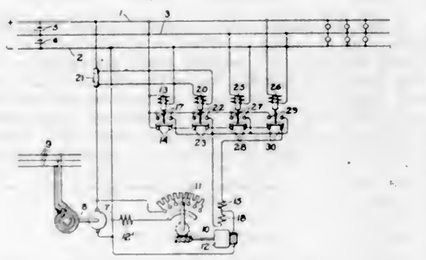
1,580,801. BRAKE FOR BAGGAGE TRUCKS. HARRY H. BARSBY, Denver, Colo. Filed Nov. 7, 1925. Serial No. 67,559. 6 Claims. (Cl. 188—21.)

2. A safety brake for baggage trucks provided with a front axle that may be rotated about a vertical pivot, a yoke member having two arms of substantially the same length and connected intermediate their ends by a straight portion, a tongue, a connecting device secured to the tongue for connecting it with the yoke member, said connecting device having a portion thereof spaced from the tongue a distance substantially equal to the thickness of the yoke member and another portion spaced from the tongue a distance substantially equal to the width of that portion of the yoke member that joins the



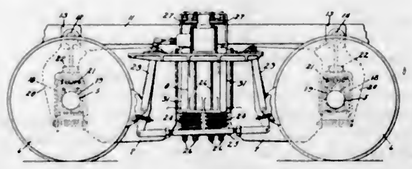
arms and means for holding the tongue against movement in the plane of the yoke member when in operative position.

1,580,802. ELECTRIC REGULATING SYSTEM. THEOPHILUS F. BARTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 13, 1924. Serial No. 719,778. 9 Claims. (Cl. 171—229.)



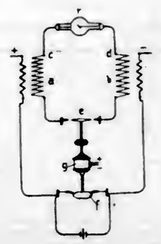
1. In combination, a three-wire direct current circuit, a generator connected to the two outside conductors of said circuit, and means for regulating the excitation of said generator in response to the voltage between the neutral conductor of said circuit and one of the outside conductors thereof.

1,580,803. LOCOMOTIVE OR CAR TRUCK. ASA F. BATCHELDER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 26, 1923. Serial No. 664,970. 14 Claims. (Cl. 105—136.)



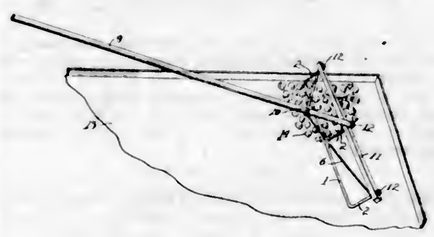
1. An axle mounting for railway motors comprising a motor, an axle, wheels on said axle, a journal box on said axle, and a plurality of sets of leaf springs interposed between said motor and said journal box for supporting said motor, said sets of springs being aligned with each other and with said axle.

1,580,804. X-RAY SYSTEM. LEONHARD BAUMEISTER, Erlangen, Germany, assignor to the Firm: Reiniger, Gebbert & Schall Aktiengesellschaft, Erlangen, Bavaria, Germany. Filed Aug. 29, 1921. Serial No. 496,616. 4 Claims. (Cl. 250—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In the combination of a Röntgen-ray tube with two sources of current, the electrodes of said tube being directly connected each with one terminal of the two sources of current, and a device controlling access of the current to the Röntgen-ray tube, said device being arranged between the remaining terminals of the two sources of current.

1,580,805. PRUNE TURNER. JESSE F. BOLLINGER, Meridian Corners, Calif. Filed Jan. 12, 1925. Serial No. 1,916. 3 Claims. (Cl. 259—144.)

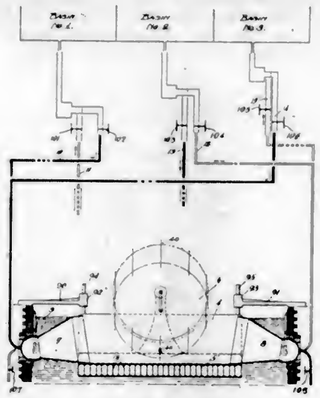


3. A prune turner comprising a rod and means for drawing the same over a flat surface having prunes spread thereon, the said rod being substantially unobstructed throughout its length whereby to permit the free passage of prunes thereover, the cross-sectional area of the rod being so proportioned to the average size of the prunes as to turn them completely over in passing thereunder.

1,580,806. HYDRAULIC PRIME MOVER. JAMES EDGAR BORDEN, Portsmouth, N. H. Filed Dec. 5, 1921. Serial No. 519,911. 5 Claims. (Cl. 61—20.)

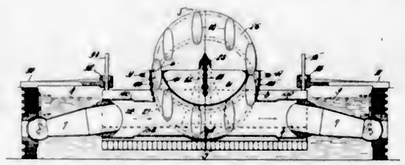
1. In an apparatus of the class described, a prime mover having an inlet and an outlet and means for providing a continuous head of water through the prime mover, said means comprising three basins, inlet conduits connecting two of said basins directly with said

inlet, outlet conduits separate from the inlet conduits and connecting two of said basins directly with said



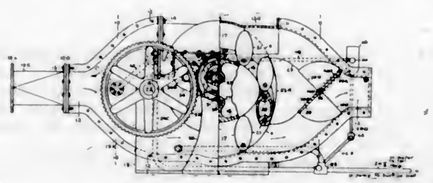
outlet, conduits connecting two of the basins, the inlet and the outlet with tidewater, and gates in said conduits to control the flow therethrough.

1,580,807. HYDRAULIC MOTOR. JAMES EDGAR BORDEN, Portsmouth, N. H. Filed Jan. 21, 1924. Serial No. 687,523. 15 Claims. (Cl. 170—104.)



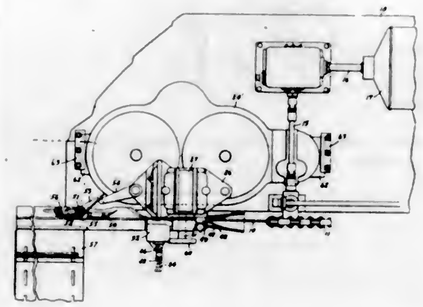
1. A mechanism of the class described comprising a float having a conduit extending below the level of water in which said float is placed, a pair of fixed conduits, a pair of closed submerged penstocks flexibly connecting said floating conduit with said fixed conduits, and an impeller mechanism actuated by a flow of water through said conduits.

1,580,808. IMPELLING MECHANISM. JAMES EDGAR BORDEN, Portsmouth, N. H. Filed June 17, 1924. Serial No. 720,567. 29 Claims. (Cl. 103—143.)



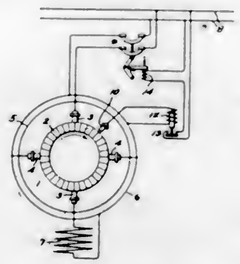
1. An impelling mechanism comprising a rotor composed of an upper shroud wheel having a shaft journaled in fixed bearings, a lower shroud wheel having a shaft journaled in fixed bearings and parallel with the shaft of the upper wheel, elongated vanes each pivotally connected at its upper end with the upper wheel, and at its lower end with the lower wheel, means for synchronizing the rotation of said wheels, and a fluid conduit arranged in the path of the vanes at one side of the axis of the rotor, the arrangement being such that the vanes have an orbital movement and are maintained with their major axes parallel with each other and substantially at right angles with the path of fluid in said conduit.

1,580,809. GLASS-SEVERING APPARATUS. CARL A. BROWN, East Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Nov. 3, 1922. Serial No. 598,908. 6 Claims. (Cl. 49—48.)



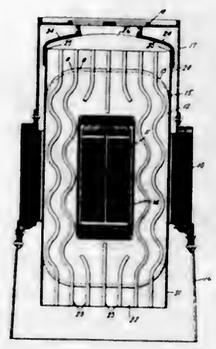
1. The combination with a traction means for causing glass cane or tubing to travel in a substantially horizontal direction, of a severing means comprising a cutting wheel and rotating means therefor, a support for said severing means and rotating means for said support, said parts being mounted and arranged so that a simple rotating of said supporting means causes said cutting wheel to be brought into and out of the path of travel of said cane or tubing while maintaining said cutting wheel always in substantially the same plane and to sever predetermined lengths therefrom.

1,580,810. DYNAMO-ELECTRIC MACHINE. JOSEPH L. BURNHAM, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 24, 1922. Serial No. 583,954. 6 Claims. (Cl. 175—294.)



1. In combination, a dynamo electric machine, provided with a commutator and sets of brushes thereon, a conducting member in proximity with said commutator but out of contact therewith and placed between said sets of brushes, a circuit breaker in a circuit of said dynamo electric machine and a relay connected between said conducting member and a point of opposite polarity when flashing on said commutator occurs, said relay controlling said circuit breaker to open the same upon the occurence of flashing proceeding from one of said sets of brushes.

1,580,811. STATIONARY INDUCTION APPARATUS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 23, 1920. Serial No. 419,007. 9 Claims. (Cl. 175—361.)

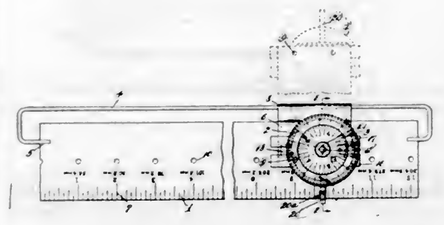


1. A stationary induction apparatus having windings disposed in spaced relation to form ventilating passages to conduct a cooling medium, and deflectors for deflecting the cooling medium leaving the side portions of the exits of said passages to direct it toward the intermediate portions of said exits, said deflectors being arranged sufficiently close to said exits to cause said deflected cooling medium to increase the disturbance of said medium in the intermediate portions of said passages, whereby the cooling effect of said medium is increased.

1,580,812. AUTOMATIC BRAKE-APPLYING MECHANISM FOR TRAILERS. JAMES HARRY CLARK, Detroit, Mich. Filed Nov. 17, 1922. Serial No. 601,559. 8 Claims. (Cl. 188—142.)

1. In a device of the class described and in combination with a trailer having a draw bar through which the same may be drawn, brake applying mechanism carried by said draw bar; means carried by said draw bar and acting upon forward movement of the trailer relative to a hauling agency therefor for operating said brake applying mechanism; brake mechanism associated with certain of the wheels of the trailer and adapted to be applied thereto automatically by said brake applying mechanism upon forward movement of the trailer as aforesaid; and a single manually operable member carried by said draw bar and adapted to operate said brake applying mechanism to thereby apply said brake mechanism to said wheels independently of relative movement the trailer and the hauling agency when in one position, and to prevent said brake applying mechanism from applying said brake mechanism to said wheels upon relative movement between the trailer and the hauling agency when in another position.

1,580,813. MEASURING DEVICE. LOUIS K. DE BUS, Cincinnati, Ohio. Filed Apr. 29, 1921. Serial No. 465,477. 15 Claims. (Cl. 33—169.)

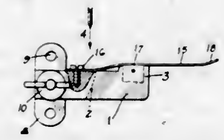


1. A measuring device comprising a rule with units of measurements indicated thereon, a finger movable along said rule for co-operation therewith, and means co-operating with said finger and movable along said rule and substantially within the lateral limits thereof for indicating fractional parts of said unit of measurement.

1,580,814. METHOD OF HYDRATING CELLULOSE FIBERS. JUDSON A. DE CEW, Mount Vernon, N. Y., assignor to Process Engineers Inc., New York, N. Y. Filed June 7, 1924. Serial No. 718,656. 4 Claims. (Cl. 92—20.)

3. A method of treating cellulose fibers for paper making, which consists in hydrating the fibers by beating and jordaning them in the presence of a soluble alkali until the fibers are made pliable by the penetration of the alkali, and then neutralizing the alkali that is on the surface of the fibers and in the solution surrounding the fibers, by means of sulphate of alumina.

1,580,815. BURGLAR ALARM. HERBERT H. DUNN, Pasadena, Calif., assignor of one-half to William Vickers, Pasadena, Calif. Filed July 1, 1925. Serial No. 40,873. 1 Claim. (Cl. 116—87.)

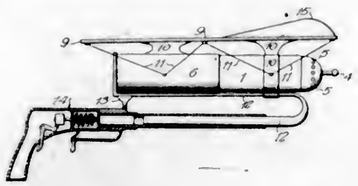


A burglar alarm, comprising in combination a bracket having a bolt, an explosive holder in the form of an elongated bar having an aperture therethrough at its inner end to receive the bolt, a thumb nut on the bolt to clamp the holder, an anvil on the outer end of the holder adapted to support an explosive cap, a resilient leaf spring attached to the inner end of the holder and having a section normally bearing on the anvil and a free end adapted to engage a movable object to flex and release the spring.

1,580,816. FIRE-EXTINGUISHING CARTRIDGE SHELL. HUGH THOMAS DUNN, New York, N. Y. Filed Jan. 18, 1924. Serial No. 687,076. 1 Claim. (Cl. 244—1.)

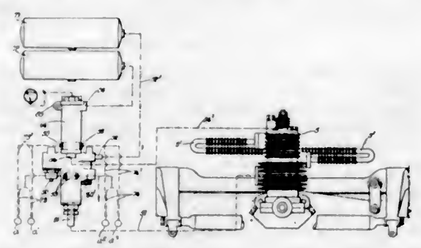
A fire extinguishing shell, comprising an outer casing and an inner breakable casing, each of which contain

fire extinguishing elements, a jacket for the outer container, a striker rod projecting from the inner casing,



an apertured head for the outer casing, said apertures containing the said striker rod and plugs and a plane to support said shell with propelling shank rod.

1,580,817. PNEUMATIC SUSPENSION FED BY COMPRESSED AIR. PIERRE DUPUY, Paris, France. Filed Feb. 14, 1924. Serial No. 692,768. 4 Claims. (Cl. 267—65.)

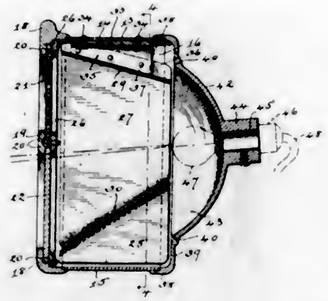


1. Apparatus for regulating the supply of compressed air and oil to the cylinders of pneumatic systems, comprising a casing adapted to be connected to the inlet and discharge pipes of a compressor, an internal fixed cylinder in said casing, a piston in said cylinder, said cylinder and piston dividing the casing into high pressure and low pressure chambers, a cylinder slidable on the fixed cylinder engaged by said piston and adapted to open and close the inlet connection to the compressor, and a calibrated spring cooperating with the slidable cylinder normally maintaining said cylinder in retracted position, and yielding to permit the slidable cylinder to close the inlet connection to the compressor when the air pressure in the high pressure chamber equals the spring tension.

1,580,818. SAFETY DEVICE FOR AUTOMOBILES. GIUSEPPE GAGLIO, San Jose, Calif. Filed Nov. 24, 1925. Serial No. 71,174. 3 Claims. (Cl. 293—41.)

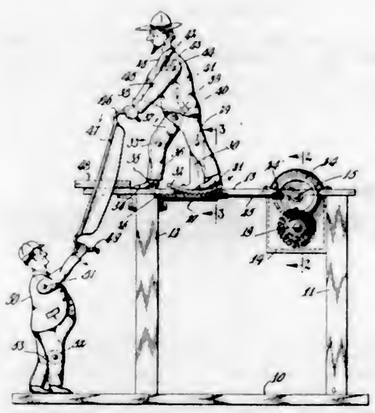
2. A safety device for automobiles, comprising a fixed bumper bar mounted thereon in a horizontal plane, a vertically movable bar arranged in parallel relation thereto and below said first bar, a flexible net connecting said bars, releasable means for normally supporting said second bar, in close relation to said first bar, a net mounted upon the upper side of said first bar along one edge, and means operated by the movement of the second bar relative to the first bar for raising the free edge of said second net above said first bar.

1,580,819. AUTOMOBILE HEADLIGHT. LAURITZ C. GARMAN and WALTER M. COLEMAN, Baltimore, Md. Filed Dec. 28, 1923. Serial No. 683,115. 4 Claims. (Cl. 240—41.)



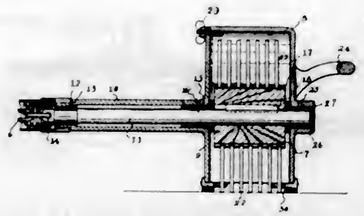
1. In a vehicle lamp the combination with a lamp body, of a transparent closure at the front of the body, a reflector at the rear of the body, a projector frame in the body between the transparent closure and the reflector, said projector frame having straight sides which are connected at the top by a rearwardly and downwardly inclined flat top opaque plate and a rearwardly and upwardly inclined bottom translucent plate, and a lamp in front of the reflector.

1,580,820. MECHANICAL TOY. FRANK JOHN GENSICKI, Bridgeport, Pa. Filed Aug. 20, 1925. Serial No. 51,486. 2 Claims. (Cl. 46—40.)



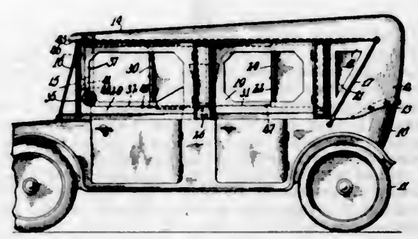
1. In a figure toy simulating two men operating a hand saw, comprising an elevated platform, the representation of a figure having a plurality of articulated limb parts mounted on said platform, a curved rack secured on the foot of said figure, the other of said feet being mounted to swivel on said platform, a slidable rack, a guide for said rack, a motor, means for operating said slidable rack upon the operation of said motor to engage said curved rack to operate the limbs of said figure, a second figure on the base of said platform having articulated limbs, and a band saw gripped by the outstretched hands of both figures to simulate the sawing operation upon the starting of said motor.

1,580,821. BUTCHER'S BLOCK SCRAPER. JEAN FRANÇOIS GEVAERTS, Sudbury, Ontario, Canada. Filed Apr. 11, 1925. Serial No. 22,279. 1 Claim. (Cl. 144—117.)



In a butcher's block scraper of the class described, in combination, a motor, means to adjust the height of said motor, a flexible shaft extending from said motor, a rotary scraper mounted on a shaft to which said flexible shaft is connected, a core on said shaft, sectional cylinders mounted on said core, a plurality of perforations in said sectional cylinder, steel bristles mounted in said perforations having their inner ends bent at right angles so as to rest against the brush core, means to fasten said sectional cylinder on said core, a casing over said brush into which said shaft is mounted, an opening in said casing, a gauge surrounding said opening having one side hinged to the casing and the other having a bolt passing through a bracket in the casing, and a spring between the gauge and the bracket to cause the said gauge to move resiliently vertically.

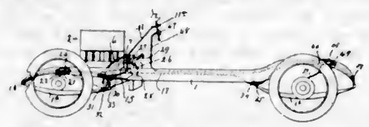
1,580,822. AUTOMOBILE HOOD AND CURTAIN. CALOGERO GIUDICE, Brooklyn, N. Y., assignor of one-half to Vito Castagna, Brooklyn, N. Y. Filed May 5, 1925. Serial No. 28,072. 4 Claims. (Cl. 296—142.)



1. A curtain operating device for cars, comprising a plurality of vertically disposed channel-bars erected on the car frame, a spring controlled curtain roller in each of said channel-bars, a curtain wound about each of said rollers, cables made in parts attached to the upper and lower end parts of said curtains, means for separably connecting the parts of said cables, shafts in front of the driver's seat, a hand wheel for rotating said shafts, means for winding said cables upon the operation of said wheel simultaneously and uniformly to draw said curtains, and means for locking said shafts in their adjusted positions.

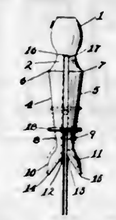
1,580,823. MEANS FOR LUBRICATING AUTOMOBILES. FREDERICK H. GLEASON, New York, N. Y. Filed Jan. 18, 1921. Serial No. 438,063. 5 Claims. (Cl. 184—7.)

3. In a lubricating device for the chassis bearings of an automobile, the combination with a pressure lubricating system for the engine bearings, of an oil distributing system connected with said pressure system and leading



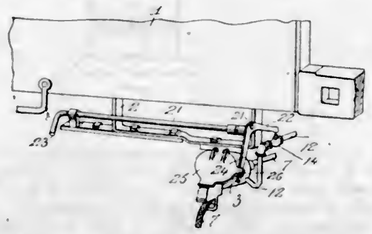
to a plurality of bearings and manually operated means to control the connection between said pressure system and said distributing system.

1,580,824. CLOTHESPIN. GEORGE GOTHIER, Los Angeles, Calif. Filed May 4, 1925. Serial No. 27,994 7 Claims. (Cl. 24—260.)



1. A clothes pin having a body portion with a single central kerf dividing the pin into portions having two legs, said pin having shoulders adjacent the upper portion thereof, the legs being gradually tapered downwardly and having contracted ankles at the lower end of the taper, feet at the base of the legs having toe portions pointed outwardly with a gradual taper from the ankle to the toe portions, a ring mounted on the bottom of the pin, said pin being of smaller diameter than the toe portions when spread apart and of smaller diameter than the shoulder portions, the ring being adapted to wedge on the outside of the legs when a clothes line with clothes thereon is placed upwardly in the kerf of the pin.

1,580,825. HIGH-POTENTIAL TERMINAL SEPARATOR. MORGAN J. GRIFFITH, Jamaica, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 2, 1921. Serial No. 482,045. 9 Claims. (Cl. 173—332.)

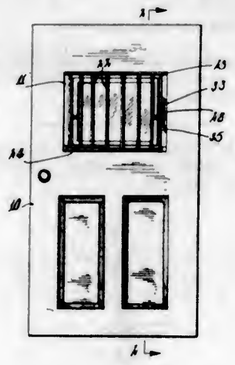


1. A jumper head having a circuit terminal and a socket chamber, a cooperating circuit terminal adapted to be removably inserted in said socket chamber and means to deliver air under pressure into said chamber to effect the separation of said terminals.

1,580,826. DOOR SAFETY DEVICE. CORNELIA L. HAENSSLER, Brooklyn, N. Y. Filed Jan. 19, 1925. Serial No. 3,531. 3 Claims. (Cl. 20—39.)

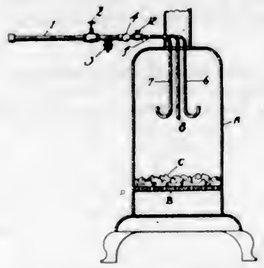
1. In combination with a door, a transparent panel member hinged to said door in an opening therein to swing downwardly and inwardly, and a barred frame

extending across the said opening in front of the said panel member, said frame being hinged at its lower edge to the door to swing inwardly through the said opening, a link pivoted at its upper end to the side of the said frame, a chain attached at one end to the door and at its other end to the link, and a locking



bolt carried by said frame and adapted to engage the said door to retain the frame in upright position, said locking bolt passing through an aperture in the said link to retain the latter in position lying along the said frame, to limit the inward swinging movement of the frame.

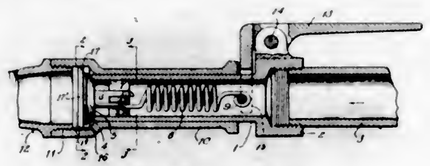
1,580,827. APPARATUS FOR DELIVERING AND APPLYING WATER BENEFICIALLY TO BURNING FUEL. JOSEPH E. HARDY, Colorado Springs, Colo. Filed June 3, 1925. Serial No. 34,725. 2 Claims. (Cl. 110—81.)



1. An apparatus of the class described in combination with a stove, said apparatus comprising a horizontally disposed main pipe adapted to be connected to a water supply; a secondary pipe, closed at both ends, horizontally disposed at right angles to said main pipe and connected thereto; a plurality of delivery tubes, each tube having a vertical portion with its lower end bent upward, and a horizontal portion, the horizontal portion being connected to said secondary pipe and the vertical portion disposed in the fire box of said stove so that water may be delivered to burning fuel in said fire box.

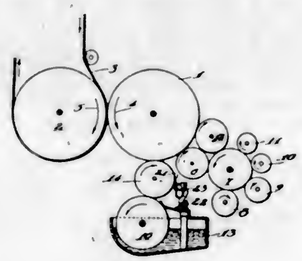
1,580,828. SELF-CLOSING FLUID VALVE. PAUL D. HARVEY, Chicago, Ill. Filed Feb. 8, 1924. Serial No. 691,330. 3 Claims. (Cl. 251—134.)

3. A self closing valve comprising a tubular body terminating in a valve seat, a valve arranged to engage said seat and normally held in engagement therewith, a sleeve slidably mounted on said body and extending beyond said seat, said sleeve provided with



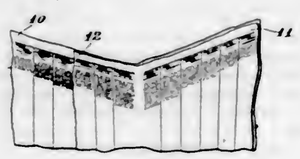
means to engage said valve and unseat the same, and a handle lever pivoted on said body and adapted to engage said sleeve to slide the same on said body.

1,580,829. AUTOMATIC INKING DEVICE FOR PRINTING PRESSES. ALBERT L. LENGEL, Bakersfield, Calif. Filed June 9, 1924. Serial No. 718,802. 9 Claims. (Cl. 101—350.)



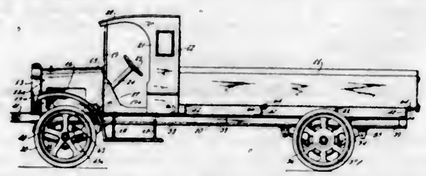
1. An inking device comprising, in combination, an ink fountain, a hard surfaced fountain roller dipping therein from above the surface of the ink, a transfer roller positioned above the fountain roller and in engagement therewith, said transfer roller having a soft surface, a form cylinder above the transfer roller and bearing thereagainst, means to press a web to be printed against the form cylinder, and ink distributing rollers in contact with the form cylinder positioned to engage therewith between the transfer roller and the position of printing in the direction of rotation of the form cylinder.

1,580,830. FLY SHEET FOR NEWSPAPERS. ALBERT L. LENGEL, Bakersfield, Calif. Filed Jan. 15, 1925. Serial No. 2,519. 5 Claims. (Cl. 283—1.)



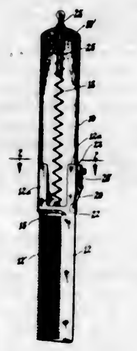
1. A newspaper comprising a plurality of sheets of four pages each, and a fly sheet of two pages, said fly sheet having an extension of less width than the width of a page, said extension having printed matter thereon.

1,580,831. TOY MOTOR VEHICLE. WILBUR STANLEY LEWIS, Cleveland, Ohio, assignor to The White Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 27, 1923. Serial No. 648,135. 2 Claims. (Cl. 46—48.)



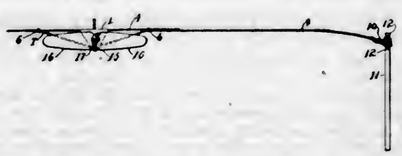
2. A toy motor vehicle comprising a chassis, a body, and a cab section, said cab section being formed of sheet metal stampings including a section, including a combined cab, hood and radiator sections, said cab being formed of a sheet of metal bent to form opposite side members, a back member, and an apertured windshield member, said side and back members having flanges on their lower edges for securing said section to the chassis.

1,580,832. LADY'S HAIR COMB. MICHAEL LIGUORI, Whitehall, N. Y. Filed Jan. 2, 1925. Serial No. 39. 3 Claims. (Cl. 132—15.)



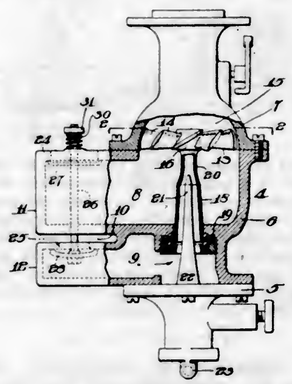
1. A pocket comb comprising a comb proper, a sheathing in which said comb proper is slidably mounted, a tension spring in said sheathing urging said comb inward in the sheathing, and a movable latch engaging said comb to retain the same projected to operative position, and a plunger pin slidable in the end of the sheathing to engage the said comb and project it slightly at one end from the sheathing.

1,580,833. WHIRLIGIG. GAETANO LIPARI, San Jose, Calif. Filed Sept. 25, 1924. Serial No. 739,818. 7 Claims. (Cl. 46—14.)



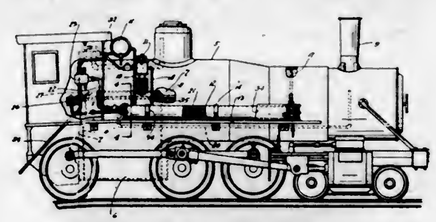
1. A toy comprising an aeroplane body having laterally extending wings, a supporting element extending from a point adjacent the extremity of one wing diagonally to the nose of said body, thence diagonally to a point adjacent the extremity of the other wing, and thence laterally of the aeroplane body a distance and provided with means for revolubly mounting the element on a vertical support.

1,580,834. CARBURETOR. JOHN MCCLELLAND, Philadelphia, Pa., assignor of one-half to Michael J. Hunt and one-half to I. Clifford Vaiden, both of Philadelphia, Pa. Filed Oct. 2, 1919. Serial No. 327,956. 6 Claims. (Cl. 261—46.)



6. A carburetor including a hollow body forming a mixing chamber; a fan, mounted in the mixing chamber, having hollow blades provided with outlet openings; a rotatably mounted spindle carrying the fan and having a passage therethrough open at the lower end to receive air and communicating at the other end with the interior of the fan; a fuel nozzle extending into the open end of the spindle; an air intake for admission of air to the spindle; an air intake for admitting air to the mixing chamber; a valve for controlling the admission of air through each intake; a connection between the valves whereby they open and close concurrently, and a spring normally holding the valves closed but permitting them to be opened by the suction due to operation of the engine and to move from or toward their closing position as the suction increases or decreases.

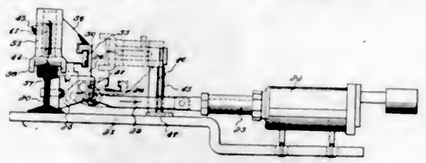
1,580,835. WATER PREHEATER FOR BOILERS. ANDREW MCCORMICK, Nashville, Ark. Filed Mar. 12, 1923. Serial No. 624,426. 2 Claims. (Cl. 122—441.)



1. The combination with a locomotive having a boiler; a heater casing mounted at each side locomotive; a pipe extending through said locomotive and connecting the forward ends of said casings with each other; auxiliary steam driven devices upon said locomotive; means for introducing the exhaust steam from said devices into one of said casings, said steam flowing through said casing and pipe and into and through the other casing;

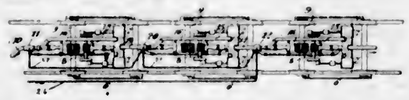
a pipe extending from the last said casing into the smoke stack; a coil disposed in each of said casings and leading into the rear of said boiler; and means for forcing water through said coils into said boiler.

1,580,836. RAILWAY-TRACK SKATE. ROBERT E. MCGAHEY, Alexandria, Va. Filed Aug. 28, 1925. Serial No. 53,142. 6 Claims. (Cl. 104—257.)



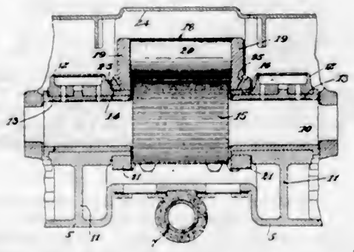
1. A track skate installation comprising in association with a rail, a member hinged permanently relative to the rail, means to oscillate the hinged member, an all rigid skate slidably connected with the hinged member properly proportioned to be moved with said hinged member to a position upon the top of the rail and to an inoperative position beside the rail and a rigid abutment engaging the skate in inoperative position and locking said skate against displacement.

1,580,837. METHOD OF OPERATING BOOSTER MOTORS FOR LOCOMOTIVES. JOHN A. MCGREW and JAMES T. LOREE, Albany, N. Y. Filed Apr. 12, 1923, Serial No. 631,717. Renewed Sept. 19, 1925. 7 Claims. (Cl. 105—39.)



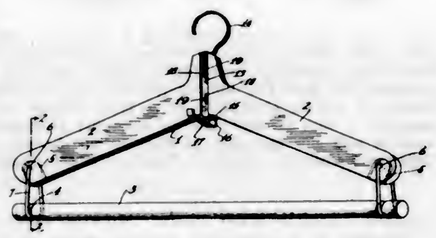
7. The combination with a locomotive tender having a plurality of trucks, of auxiliary propulsion apparatus comprising a motor for each truck, connectible and disconnectible power transmission means between each motor and an axle of its truck, means for connecting the motors in multiple expansion relation and means for supplying high pressure steam to the plurality of motors for multiple expansion therein to operate said motors and to connect the power transmission means thereof to the axles.

1,580,838. ENTRAINMENT GEARING FOR BOOSTER MOTORS. JOHN A. MCGREW, Albany, N. Y. Filed Mar. 25, 1924, Serial No. 701,660. Renewed Sept. 19, 1925. 6 Claims. (Cl. 105—111.)



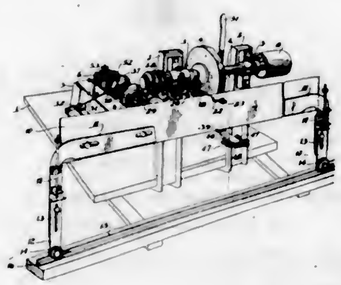
2. In combination with an axle and motor actuated driving shaft therefor, and a bearing for said driving shaft, means for connecting and disconnecting said shaft to and from the axle, comprising gear elements fixed to said shaft and axle respectively, a gear element in constant mesh with the gear element on said shaft, and bodily movable in a planetary path into and out of engagement with the gear on said axle, and a rocker member oscillatably mounted upon the driving shaft bearing, supporting the latter gear element for movement in a planetary path and in constant concentric relation to the driving shaft.

1,580,839. GARMENT HANGER. JOHN T. MCKENNA, New York, N. Y. Filed May 12, 1924. Serial No. 712,507. 3 Claims. (Cl. 223—62.)



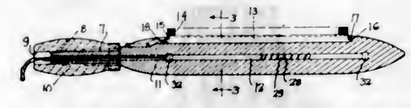
3. In an assembly of the character described, a hanger provided with laterally projecting arms adapted collectively to support a coat or vest, a separate and district length of cord permanently secured to each arm and depending from each arm in the form of a closed loop, said loops being adapted to collectively support a rod at a fixed predetermined distance below the hanger, and a trouser supporting rod the opposite end portions of which are passed through the loops and are supported from the hanger thereby, said rod being configurated to preclude inadvertent slipping of the loops off the ends of the rod.

1,580,840. BLADE-GRINDING MACHINE. JAMES H. MCVEETY, Memphis, Tenn. Filed June 11, 1924. Serial No. 719,354. 6 Claims. (Cl. 51—92.)



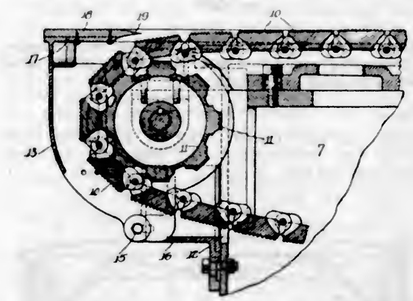
1. In a machine of the class described, the combination with a grinding wheel and means for operating the same, of a track extending parallel to the operating face of the grinding wheel, independent arms engaging said track and adapted to move thereon, and be guided thereby, means for rigidly connecting a blade to the free ends of said arms, whereby said arms and blade, when thus connected, form a reciprocatory carriage supported upon said track and capable of a limited swinging movement about said track as a center, and means for holding the edge of the blade against the surface of the grinding wheel while the carriage is being moved longitudinally of said track.

1,580,841. FUR-WORKING TOOL. HYMAN MACKLER, New York, N. Y., assignor to Joseph Spooner and Paul Kreisworth, composing the Firm of Spooner & Kreisworth, New York, N. Y. Filed May 6, 1925. Serial No. 28,527. 6 Claims. (Cl. 219—21.)



6. A fur working implement comprising an elongated body portion having in one edge thereof a slot, a comb disposed in said slot, a latch member for locking the comb in said slot, the body portion having a bore therein, a heating element in said bore, a handle for said body portion, and a heat retaining element associated with said heating element.

1,580,842. SAFETY DEVICE FOR SAWING MACHINES AND THE LIKE. CARL LAWRENCE MATTISON, Rockford, Ill., assignor to Mattison Machine Works, Rockford, Ill., a Corporation of Illinois. Filed Dec. 26, 1924. Serial No. 758,043. 5 Claims. (Cl. 143—157.)



1. In a machine of the character described, the combination of a main frame, work discharge mechanism including a wheel mounted on the frame and a chain extending horizontally along the top of the frame, thence downwardly over the wheel and forwardly therefrom, a guard pivotally supported on the frame and adapted to enclose said wheel and chain passing thereover, the guard including a top over which the work is normally adapted to slide and beneath which the chain passes around said wheel, and spring means normally holding the guard in operative relation to said chain and wheel but permitting the guard to yield rearwardly away from the chain.

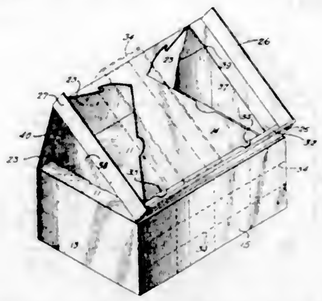
1,580,843. MANUFACTURE OF ARTIFICIAL SILK FROM VISCOSE. WILLIAM MENDEL, Beverly, N. J., assignor to Samuel A. Neidich, Edgewater Park, N. J. Filed May 28, 1925. Serial No. 33,502. 8 Claims. (Cl. 18—54.)

1. The method of manufacturing artificial silk filaments from viscose which consists in coagulating viscose by projecting a fine filament thereof into a soft congulating medium and thence into an aqueous solution containing PO_4 ions.

1,580,844. MANUFACTURE OF ARTIFICIAL SILK FROM VISCOSE. WILLIAM MENDEL, Beverly, N. J., assignor to Samuel A. Neidich, Edgewater Park, N. J. Filed May 28, 1925. Serial No. 33,503. 11 Claims. (Cl. 18—54.)

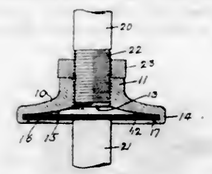
1. The method of manufacturing artificial silk filaments from viscose which consists in coagulating viscose by projecting a fine filament thereof into an aqueous solution containing PO_4 ions.

1,580,845. DISPLAY BOX. HENRY L. METZGER, Castleton, N. Y., assignor to Fort Orange Paper Company, Castleton, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,134. 9 Claims. (Cl. 206—44.)



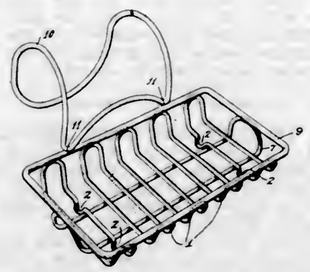
1. A display box comprising an integral top wall, a bottom wall, oppositely disposed side walls, an end wall, and an integral extension from one of the walls foldable into a tray overlying substantially the whole top wall and adapted when so folded and overlying the top wall to support articles for display.

1,580,846. CUSHIONED VALVE TAPPET FOR INTERNAL-COMBUSTION ENGINES. JACOB C. MILLER, Milwaukee, Wis. Filed June 5, 1925. Serial No. 35,185. 5 Claims. (Cl. 123—90.)



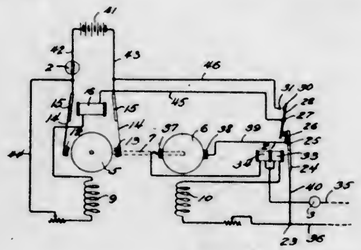
1. A valve silencer for internal combustion engines constructed as a separable unit and comprising a dished member having upon one side a recess and a resilient lamination secured therein, the bottom of the recess having a rigid circular surface convex in radial section over which the lamination is adapted to be deflected with an increasing resistance.

1,580,847. WIRE RECEPTACLE. HECTOR E. MOINEAU, Marlboro, Mass. Filed Nov. 4, 1922. Serial No. 599,115. 10 Claims. (Cl. 45—28.)



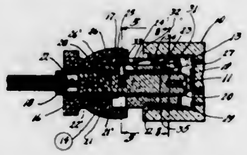
1. A wire receptacle comprising a body portion in the form of a closed frame, and a plurality of loops closed at both ends, opposite ends of the loops being upturned and welded to said body portion.

1,580,848. ELECTRIC MOTOR AND CONTROL SYSTEM THEREFOR. PAUL A. NEWMAN, Woodhaven, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1921. Serial No. 481,730. 15 Claims. (Cl. 172—239.)



1. In a motor control system, a motor comprising two electrically independent armatures mechanically connected, electrically independent field windings cooperating with each of said armatures, and separate sources of direct current for supplying each of said armatures and associated field windings, and means controlled by one current source for making and breaking the circuit of the other current source, said means arranged whereby each of the field windings are energized in advance of the energization of the armature associated therewith.

1,580,849. ELECTRICAL CONNECTION. BERT A. OLSON, Maywood, Ill. Filed Sept. 22, 1923. Serial No. 664,152. 2 Claims. (Cl. 173—360.)



1. An electric connection including a shell member provided with an arm having a slot therein and a bevelled end, a plug projecting from the shell and having a longitudinal recess therein, a threaded shell surrounding the plug and having a channel-shaped portion fitting said recess, said arm projecting into said channel-shaped portion and slidable therein, a screw member fixed to the plug for movably supporting the same upon said arm and passing through said slot for the purpose, a spring member slidable upon the arm and fixed to said screw member for movement with the plug and having a portion adapted to co-operate with the bevelled end of said arm, and a locking tongue carried by said spring member, substantially as described.

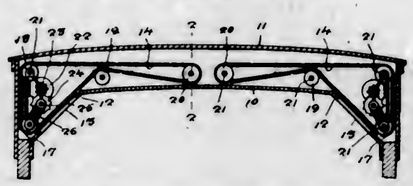
1,580,850. ELECTRON-DISCHARGE DEVICE. RUSSELL M. OTIS, East Orange, N. J., and WILBUR F. FUNK, Midland Beach, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed June 29, 1925. Serial No. 40,185. 15 Claims. (Cl. 250—27.)

1. An electron discharge device comprising a glass vessel having a stem, a tubular metal member on said stem, a rod attached to said member and passing centrally within said member and stem, clamping means carried by said rod, and an electrode supported by said rod.

9. An electron discharge device comprising a glass vessel having a stem, a conical shield on said stem, a central member passing through said shield and stem, a bridge arm having an elongated slot attached to said member, said arm engaging the inner surface of said

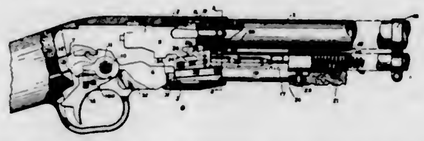
stem, and tensioning means carried by said member, the contacting edges of said stem and shield being oppositely tapered to a knife edge.

1,580,851. ADVERTISING DEVICE. ALFRED J. PANEPINTO, West Philadelphia, Pa. Filed Oct. 16, 1923. Serial No. 668,916. 2 Claims. (Cl. 40—32.)



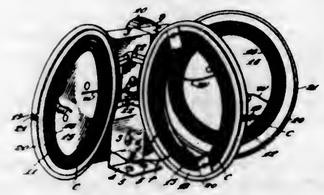
1. The combination of a vehicle having a top wall, a false top spaced away from said first wall and comprising laterally opposite, inclined portions, spaced apart by a substantially horizontal portion, providing a storage space beneath said top, said lateral portions being provided with sight openings, and endless belts movable over said openings and adapted to carry reading matter over, and so as to be visible through, said openings, and extending into said storage space, to provide for more reading matter than can be accommodated by the area of said openings.

1,580,852. FIREARM. JOHN D. PEDERSEN, Jackson, Wyo. Filed Apr. 23, 1923, Serial No. 634,101. Renewed Nov. 2, 1925. 8 Claims. (Cl. 42—17.)



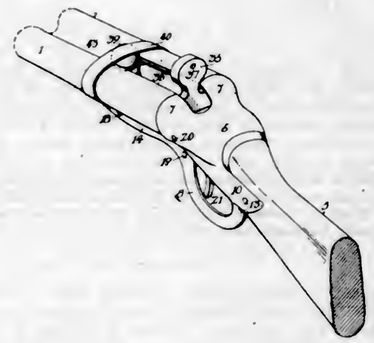
2. In a firearm, the combination of cartridge storing means, a combined action bar and cartridge transfer member, and pivoted means controlled by said member for regulating the passage of cartridges from said storing means.

1,580,853. COIL MOUNTING. PYAM L. PENDLETON, Providence, R. I., assignor to Edgar W. Martin, Barrington, R. I., Laurence C. Martin, Providence, R. I., and George W. Bleecker, Chicago, Ill., trustees. Filed Dec. 27, 1922. Serial No. 609,314. 10 Claims. (Cl. 171—119.)



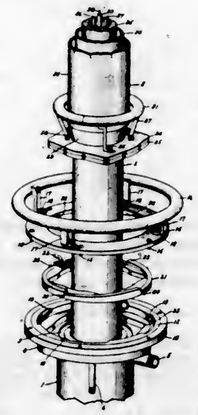
1. In a device of the type specified, the combination of an inductance coil, means for movably mounting the coil to adapt it to be manually adjusted in position, and a ring of conducting-material surrounding the coil and insulated therefrom to adapt it to collect electrical discharges due to body capacity when the coil is handled in adjusting it whereby to protect the coil from influences liable to cause changes in the constants of the inductance.

1,580,854. TOY GUN. HENRY PIESSENS, Philadelphia, Pa. Filed Dec. 26, 1925. Serial No. 77,748. 9 Claims. (Cl. 124—12.)



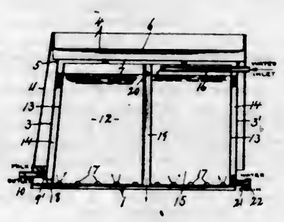
7. In a toy gun, the combination with means forming three parallel channels for projectiles; of means adapted to simultaneously discharge three projectiles in said channels, including a cross bar common to the three channels; two plungers rigidly connected with said cross bar in respective alinement with the outer channels and a hammer projection on said cross bar in alinement with the intermediate channel; compression springs respectively encircling said plungers, and a spring pressed trigger having means arranged to engage said cross bar with said springs in compressed position, and to release said cross bar to release said springs.

1,580,855. COOLING SYSTEM FOR ELECTRICAL DEVICES. RAYMOND B. PRINDLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 9, 1925. Serial No. 22,003. 7 Claims. (Cl. 250—27.)



1. A cooling system for an electrical device comprising a casing, clamping means associated with said casing for retaining said device therein, a fluid circulatory system for cooling the portion of said device disposed within said casing and a supplementary independent fluid circulatory system for cooling the portion of said device retained by said clamping means.

1,580,856. APPARATUS FOR COOLING MILK AND OTHER LIQUIDS. MORRIS L. QUICK, Fulton, N. Y. Filed May 23, 1922. Serial No. 563,001. 4 Claims. (Cl. 257—179.)

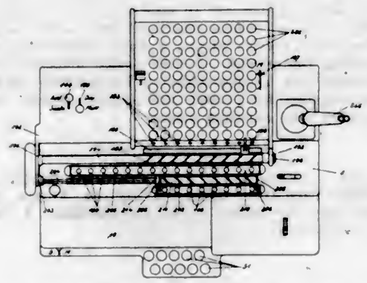


2. In a liquid cooling apparatus of the character described, a hollow upright shell having a water-containing chamber, means for introducing water into said shell, an additional upright shell surrounding the sides and ends of the first-named shell in spaced relation thereto to form an intervening chamber, connecting passages between the lower ends of said chambers for permitting the circulation of water from one chamber to the other, an overflow passage near the upper end of said chambers for maintaining a predetermined level of the water therein, means for projecting the liquid to be cooled against the outer surfaces of the upper portion of the outer shell to enable said liquid to gravitate downwardly across said surfaces, collecting troughs projecting outwardly from the lower edges of the outer walls for receiving the cooled liquid, and a dust-protective casing extending around the outer shell in spaced relation thereto and having its lower edges resting upon the outer edges of said troughs.

1,580,857. LAMINATED ARTICLE. THOMAS G. RICHARDS, Barberton, Ohio. Filed Jan. 7, 1925. Serial No. 1,099. 9 Claims. (Cl. 250—34.)

1. A flexible, protective covering for use by X-ray operators comprising layers of rubber and layers of metallic lead adhesively secured to the layers of rubber and vulcanized therewith.

1,580,858. CALCULATING MACHINE. CARL SCHLUNS, Steglitz, near Berlin, Germany, assignor, by mesne assignments, to Gustav Mez, doing business as Mercedes Büro-Maschinen- und Waffen-Werke. Filed Apr. 5, 1924. Serial No. 704,397. 18 Claims. (Cl. 235—60.)

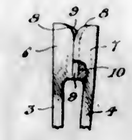


1. In a calculating machine having a carriage adapted upon release in a limit position of travel to control a calculating process, a plurality of transmission elements in said carriage, an adjusting mechanism, means for setting said adjusting mechanism in accordance with numerical values, said transmission elements being adapted to abut said adjusting mechanism upon movement of said carriage toward said limit position whereby said transmission elements are displaced in accordance with the setting of said adjusting mechanism.

2. In a calculating machine, elements revolubly adjustably to numerical values, means operable upon the adjustment of one of said elements to a digit value above "5" for transferring to the next higher place, and means operable for successively zerolzing said adjusted elements by unit steps, those elements representing values of "5" or below being negatively returned to "0" and those representing values above "5" being positively advanced to '0".

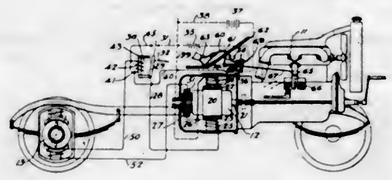
1,580,859. SACK NEEDLE. CLEMENCE O. SCHULZE, Burley, Idaho. Filed Dec. 19, 1922. Serial No. 607,782. 1 Claim. (Cl. 223—37.)

In a needle of the type described, an elongated body portion pointed at one end and having a pair of spaced resilient arms at its opposite end, alined engaging edge abutting shoulders carried by the adjacent sides of the outer ends of said arms, said shoulders being elongated in the direction of the length of said body portion with their outer ends tapered outwardly to form a shoulder wedging thread socket and with their inner end squared to resist any thread wedging action, the space between the resilient arms inwardly of the shoulders constituting an eye portion, and a connection between the full lengths of the contacting edge faces of said shoulders including a tongue centrally carried by the contacting



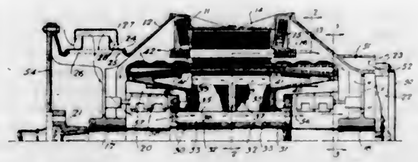
edge face of one shoulder, and the opposite shoulder being formed with a central groove cooperating with the tongue, said connection being broken by a movement of the shoulders in the direction of their common central plane with said shoulders remaining in the same plane and with the thread extending at right angles to said central plane during insertion thereof into the eye portion of the needle.

1,580,860. ELECTRIC VEHICLE. JACOB SCHUACH, Los Angeles, Calif., assignor of one-half to William H. Heise, Los Angeles, Calif. Filed Apr. 10, 1922. Serial No. 551,215. 2 Claims. (Cl. 290—17.)



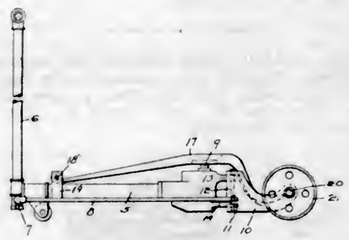
1. The combination of: a prime mover; a generator driven by said prime mover; means receiving the product of said generator; a power circuit for delivering such generator product to said receiving means; a controller for controlling the speed of said prime mover; a field winding forming part or said generator; an external source of electric current for energizing said field winding; and means arranged to disconnect said field winding from the power circuit of the generator and to connect said field with said external source.

1,580,861. VENTILATING MEANS FOR DYNAMO-ELECTRIC MACHINERY. JACOB SCHUACH, Los Angeles, Calif., assignor of one-half to William H. Heise, Los Angeles, Calif. Filed Apr. 24, 1922. Serial No. 556,174. 2 Claims. (Cl. 191—252.)



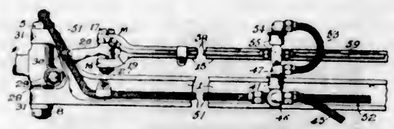
1. In a dynamo, the combination of: a frame; field cores; field coils; a shaft journaled in said frame; a propeller fan mounted on an end portion of said shaft and rotatable by said shaft to provide a forced draft for the dynamo, a housing at each side of said frame, one of said housings having an air inlet; a hood for said air inlet; a laminated armature core having slot therein extending parallel to the axis of said armature core; electric conductors in said slots, said core having ventilating ducts formed therein parallel to said slots and disposed between said slots and the axis of said armature core, said ventilating ducts being open at opposite ends and comprising two concentric series, said core having radial ducts communicating with said series of ventilating ducts, said core comprising spokes adapted to act as fans; means on either end of said armature core for supporting the connecting limbs of said conductors, said means being so formed that the air from the ducts is forced radially outward between said conductors and adjacent the ends of said core and said field coils.

1,580,862. ATTACHMENT FOR AUTOMOBILE JACKS. BERNARD G. SEARS and CLIFFORD W. MARSHALL, Guerneville, Calif. Filed Aug. 25, 1925. Serial No. 52,352. 2 Claims. (Cl. 254—2.)



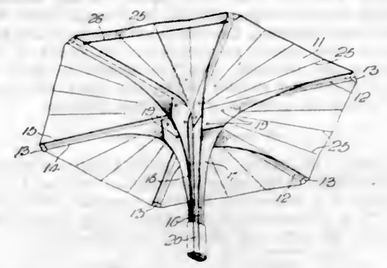
1. The combination with a lifting jack comprising a lifting head, of an arm, means for pivotally connecting the forward end of said arm to a forward portion of the jack, said arm overlying and resting upon said lifting head at an intermediate portion in its length, and a depressed rear end upon said arm.

1,580,863. MEANS FOR LUBRICATING STEERING KNUCKLES OF VEHICLES. BERNARD H. SKELLY, Bridgeport, Conn., assignor to Bowen Products Corporation, Auburn, N. Y., a Corporation of New York. Filed Apr. 25, 1923. Serial No. 634,436. 2 Claims. (Cl. 184—7.)



1. The combination with the steering knuckle system of an automobile, in which the knuckle portions associated with the axle and tie-rod are provided with lubricant passages, of distributing unions secured to said axle and rod, a single force feed lubricant conduit leading into one of said unions, a flexible conduit connection between said unions, and auxiliary conduits leading from said unions to said passages.

1,580,864. UMBRELLA. CHARLES S. STEVENSON, Washington, D. C. Filed Mar. 26, 1925. Serial No. 18,556. 9 Claims. (Cl. 135—20.)

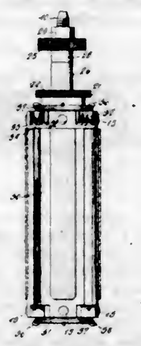


1. An umbrella comprising a flexible canopy and radially extending rib members secured to said canopy, said rib members having rigid abutments at their inner edges engaging with each other to hold said canopy taut.

1,580,865. DEVICE FOR PLACING BELTS ON PULLEYS. ANDREW STOKOWSKI, Milltown, N. J. Filed Sept. 15, 1924. Serial No. 737,647. 2 Claims. (Cl. 64—51.)

1. A device for placing belts on pulleys comprising a pair of bars, one of said bars being formed to present a split collar on one end thereof, the other of said bars having a transverse offset at the end thereof remote from said collar, a lip element adjustable along said offset, a transverse strap rigidly fastened to each of said bars and holding the other of said bars respectively permitting longitudinal adjustment on one another, and means for securing said bars to one another in longitudinally adjusted positions, substantially as set forth.

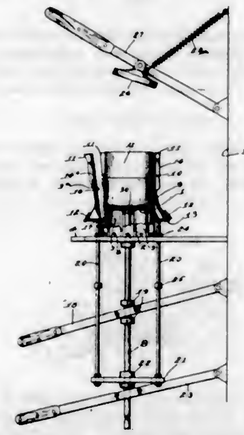
1,580,866. EXPANSIBLE TOOL FOR HONING CYLINDERS. HENRY STRAND, Cleveland, Ohio. Filed Oct. 3, 1924. Serial No. 741,513. 3 Claims. (Cl. 51—206.)



1. A honing tool comprising a spindle having one end screw threaded, a spider fixed to the other end of said spindle, radial fingers on the spider, a pair of spaced

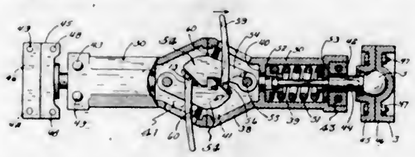
interconnected expansion cones slidable upon the spindle, a sleeve integrally formed with one of said cones and spaced from the spindle, a second finger carrying spider slidably arranged over said sleeve, honing segments radially adjustable upon the spiders, a second sleeve having one end extending into the space between the spindle and the first sleeve, an expansion coil spring in said space, a nut threaded upon the spindle to move the second sleeve and slidably adjust the cones, and means for locking the parts in any adjusted position.

1,580,867. MACHINE FOR PACKAGING TOBACCO AND THE LIKE. JAMES C. THOM, Chicago, Ill., assignor to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1925. Serial No. 130. 18 Claims. (Cl. 93—3.)



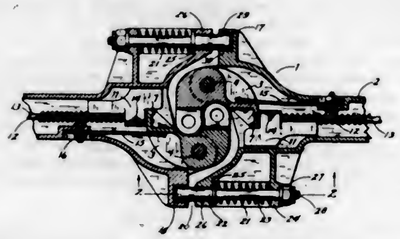
1. In a machine of the class described, means to fold the open end of a tube of paper or the like into similar similarly arranged radial pleats, including a set of folding fingers, pivoted in a common plane about a common center to swing toward the center into the common plane, the engaging faces of the fingers plane, and the adjacent side edg of the adjacent fingers plane and parallel.

1,580,868. CAR-COUPLING MECHANISM. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed Jan. 17, 1924. Serial No. 686,903. 12 Claims. (Cl. 213—14.)



1. A car coupler comprising in combination, a head member having a flat face, means movable therewith to secure the head to a car, means on the head to interlock with means on a counterpart head to secure two heads together and the faces in close relation, means to move the interlocking means to a non-interlocking position and means urging the interlocking means to a locked position and means on one head to interengage means on the counterpart head to maintain the heads in alinement, the said means being spring held and movable in a longitudinal direction.

1,580,869. COUPLING MECHANISM. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed Apr. 25, 1924. Serial No. 708,894. 9 Claims. (Cl. 213—109.)

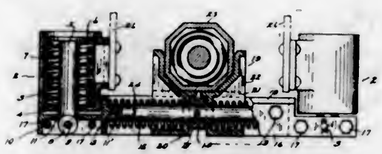


1. In combination, a pair of complementary car coupler heads, interlocking means to hold the heads in coupled relation against longitudinal separation and yielding reciprocating means on one head to cooperate with means on the other head to limit the vertical movement of the heads relative to each other.

1,580,870. CAR-COUPLING MECHANISM. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed Sept. 25, 1924. Serial No. 739,812. 9 Claims. (Cl. 213—109.)

1. In combination, a pair of coupling heads, each head to be secured to a car body, engaging means on each head to hold the heads in coupled relation, means on each head cooperating with other means on the coupled head to prevent vertical, lateral or a bending movement of the heads relative to each other.

1,580,871. COUPLER-SUPPORTING MECHANISM. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Original application filed Jan. 17, 1924, Serial No. 686,903. Divided and this application filed Feb. 14, 1925. Serial No. 9,151. 6 Claims. (Cl. 213—21.)

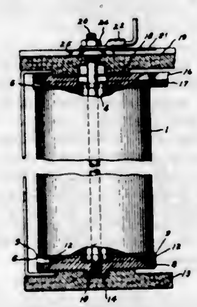


4. The combination with a coupler support to be attached to a car body of a pair of coupler seats adapted to move toward and away from each other and yielding means to normally hold the seats in adjacent relation, each seat having a horizontal and a vertical face connected by an obliquely disposed face to correspond to and to receive therebetween a coupler shank having corresponding faces.

1,580,872. DRILL BIT. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed Jan. 2, 1924. Serial No. 684,080. 2 Claims. (Cl. 255—63.)

1. A well-drilling tool, comprising an elongated shank having longitudinal grooves on opposite sides meeting at a concave anticlinal edge in the bit-end, said bit-end having oppositely inclined relatively wide crushing faces separated by said grooves and having radial angular straight cutters alined with said concave edge.

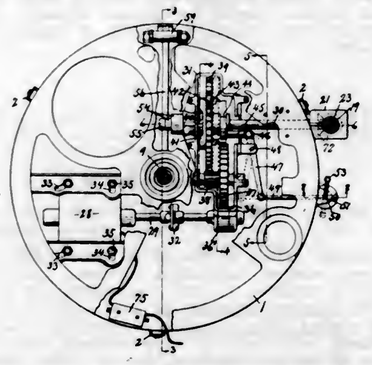
1,580,873. STATIC CONDENSER. JOHN J. WELDON, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 7, 1924. Serial No. 718,645. 3 Claims. (Cl. 250—41.)



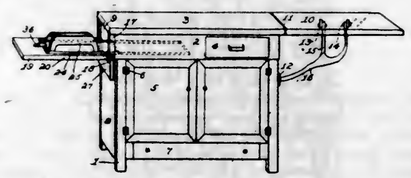
1. A condenser comprising a roll formed of a plurality of metal foils and layers of dielectric and immersed in insulating liquid, said foils having edges exposed to said liquid at opposite ends of said roll, and means comprising radially extending members for making contact with portions of said edges.

1,580,874. DRIVING MECHANISM FOR COMBINED WASHERS AND WRINGERS. GUY C. WILKINSON, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed Apr. 29, 1922. Serial No. 557,318. 1 Claim. (Cl. 74—7.)

Driving mechanism for a combined washer and wringer including an upright washer-operating shaft and an upright wringer-operating shaft, and comprising a gear case having spaced parallel horizontal bearings at opposite sides of the washer-operating shaft, a motor driven shaft journaled in one of said bearings, a motor having its armature shaft alined with and connected to the motor driven shaft, a counter shaft journaled in the other bearing, said motor driven shaft and counter shaft being located at opposite sides of the washer-operating shaft, means within the gear case for transmitting rotary motion from the motor driven shaft to the counter shaft, means including a clutch within the gear case for transmitting motion from the counter shaft to the washer-operating shaft and additional means for transmitting motion from the counter shaft to the wringer shaft.

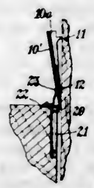


1,580,875. COMBINATION TABLE. DALTON K. WILSON, Waterloo, Iowa. Filed Dec. 11, 1924. Serial No. 755,306. 2 Claims. (Cl. 45—16.)



1. In a device of the character described, a table containing an open end slideway, a slide slidably mounted in said slideway to be shifted in or out of said open end, a U-shaped leaf having its members hinged to said table to inclose the projection of said slide when lifted, and releasable means for supporting said leaf upon said slide when both are extended.

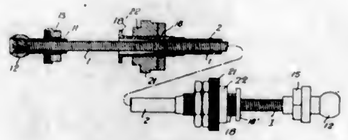
1,580,876. WINDOW LOCK. LEON WISLOCKI, New York, N. Y. Filed Dec. 27, 1924. Serial No. 758,339. 1 Claim. (Cl. 293—343.)



A window lock comprising a wedge element, side flanges formed with said element, spikes or spurs formed with said flanges adapted to engage the window frame, a hook extension formed with the lower end of said

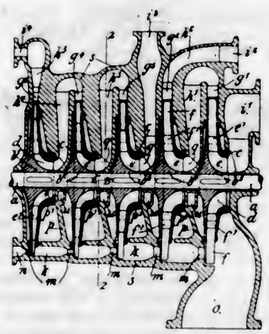
element adapted to engage an undercut recess in the window sash, and a spring bearing on said lock for causing said spikes to enter the window frame upon an attempt to open the window.

1,580,877. REMOTE CONTROL MECHANISM. WILLIAM EDWARD BARBER, Farnborough, England. Filed Sept. 28, 1925. Serial No. 59,223. 9 Claims. (Cl. 74—39.)



1. Remote control mechanism for transmitting positive and negative longitudinal movement, comprising a pair of relatively movable inextensible and incompressible members arranged one within the other, the inner member being composed of superposed windings of closely coiled wire of which adjacent layers are wound in opposite directions, and the outer member consisting of tubing bendable in any direction.

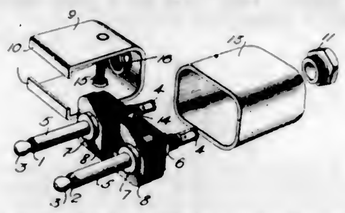
1,580,878. COMBUSTION TURBINE. LÉON DUFOUR, Geneva, Switzerland. Filed May 24, 1922. Serial No. 563,200. 7 Claims. (Cl. 60—41.)



1. In an apparatus of the class described, a casing, a plurality of rotors each having a passage therethrough, a plurality of blades carried by the said rotors, means for admitting air into the casing and to the said passages in the rotors during a part of each revolution thereof, for utilizing said blades as compressor blades, means for closing the entrance to the passage in said rotor during the remainder of each revolution thereof, means for directing combustion gases to the said blades during the said remainder of each revolution thereof, and thereby utilizing the said blades as turbine blades during this portion of the revolution, and inlet and outlet connections for the said combustion gases.

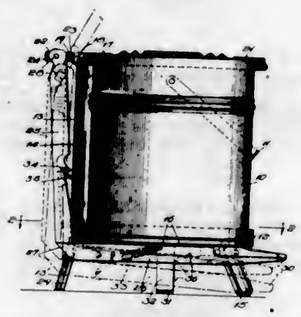
1,580,879. ELECTRICAL CONNECTER. WILLIAM A. EVANS, Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1921. Serial No. 506,265. 1 Claim. (Cl. 173—361.)

A connecting plug comprising a pair of plug fingers, a casing for the plug fingers, an insulating block supported on each plug finger and grooved on opposite edges, a yoke cooperating with the grooves in the blocks to hold the plug fingers against longitudinal movement



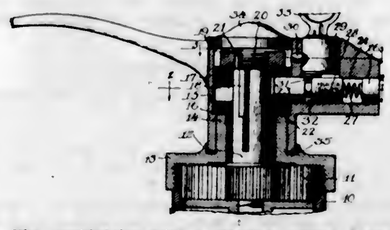
and to permit lateral movement thereof, and a threaded bushing fastening the yoke within the casing and providing access therethrough.

1,580,880. WASTE-CAN STRUCTURE. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1925. Serial No. 5,994. 11 Claims. (Cl. 220—36.)



1. A stand for cans comprising a supporting frame, a cover structure supported at the top of said frame, an actuator structure having connection at its upper end with said cover structure and extending below the base of said frame into position to be foot actuated at the front of the frame, the connection between said actuator structure and cover structure tending to raise said cover structure when said actuator structure is bodily depressed, locking means for normally preventing raising said cover structure independently of said actuator structure, and means controlled by lateral movement of said actuator structure for releasing said cover structure for independent movement.

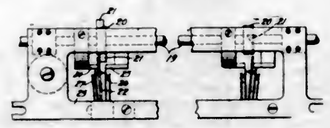
1,580,881. STEERING-GEAR LOCK. WILLIAM GANZ, Ridgefield Park, N. J., assignor to Bauer Lock Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 14, 1921. Serial No. 507,739. 8 Claims. (Cl. 70—129.)



4. The combination with a steering column having a gearing case at the upper end, a steering shaft projecting above said case, a cap secured to said case and having

a flange forming a bearing for said shaft, a steering wheel journalled on said flange and having an internal shoulder, a collar secured to said shaft above said shoulder and means for locking said wheel to said collar.

1,580,882. INTERRUPTER. EDGAR W. GENT, Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 17, 1923. Serial No. 652,012. 9 Claims. (Cl. 200—27.)

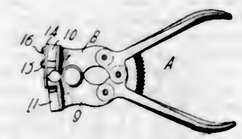


7. In an interrupter, a plurality of contacts, a continuously rotatable member associated with one of said contacts, means cooperating with said member to operate said contacts and magnetic means for holding said contacts in engaged position.

1,580,883. HAIR CURLER AND WAVER. EDWARD A. GESSNER, Philadelphia, Pa. Filed June 9, 1925. Serial No. 35,850. 6 Claims. (Cl. 132—41.)

1. In a device of the character stated, a pair of arms of different lengths, hingedly connected together, one of said arms having a slot extending thereinto and open at its outer end for substantially half its length, and the other of said arms being provided with a catch adapted to engage and lock the free ends of said arms when closed in the act of curling or waving.

1,580,884. SWAGING TOOL. HAROLD WHEELER GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,215. 3 Claims. (Cl. 81—15.)



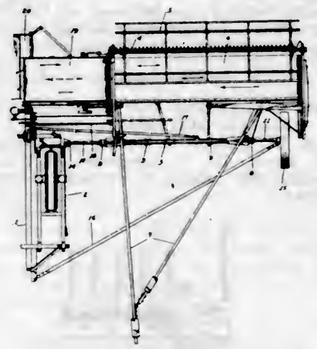
1. A device for adjusting sheet metal strips comprising a pair of pliers, a swage attached to each jaw of said pliers for spreading the metal along one edge to cause its free end portion to bend toward a predetermined position, and means carried by one of said swages to assist in positioning said device.

1,580,885. WATCH. MILTON GOLDEN, New York, N. Y. Filed Dec. 12, 1924. Serial No. 755,481. 3 Claims. (Cl. 58—88.)

1. In a folding pocket watch of the character described the combination with a cover and a movement case hinged thereto and having lateral projections, of a body portion hinged to said cover and having overhanging flanges to

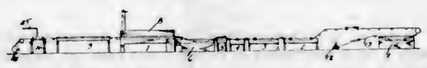
constitute guideways for said projections, said flanges being slotted to allow insertion and removal of said projections into said guideways.

1,580,886. HEADER CONSTRUCTION. GEORGE H. HARRIS, Stockton, Calif. Filed July 14, 1923. Serial No. 651,481. 6 Claims. (Cl. 56—209.)



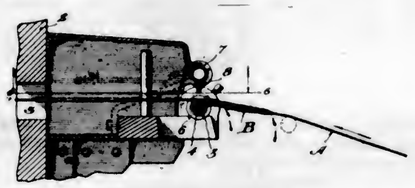
6. In a side-hill harvester comprising a thresher and a header structure extending laterally thereof and having an outer-end supporting wheel, the thresher including a main frame and a wheel-supported swing frame arranged for vertical movement relative to the main frame in a plane longitudinally of the thresher and located between said main frame and the header; a rigid rod pivoted on the thresher and on the header structure, a shaft swivelly connected to the swing frame and slidably mounted on the header frame, and means connecting the said outer-end supporting wheel to the header and thresher frames in a manner to maintain the wheel in a definite relation to the thresher irrespective of any movement of the header.

1,580,887. APPARATUS FOR COATING AND TREATING METALLIC MATERIALS. JOSEPH L. HERMAN, Peoria, Ill., assignor to Midland Manufacturing Company, Peoria, Ill., a Corporation of Illinois. Filed Apr. 26, 1923. Serial No. 634,773. 5 Claims. (Cl. 91—12.1.)



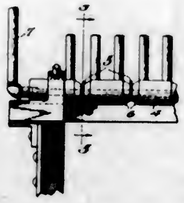
1. An apparatus comprising in combination, means for continuously coating a metallic article, and means for continuously heat-treating the coated article, so combined that the article passes directly from the coating means to the heat-treating means.

1,580,888. APPARATUS FOR COATING AND TREATING METALLIC MATERIALS. JOSEPH L. HERMAN, Peoria, Ill., assignor to Midland Manufacturing Company, Peoria, Ill., a Corporation of Illinois. Filed Feb. 28, 1925. Serial No. 12,341. 2 Claims. (Cl. 91—59.4.)



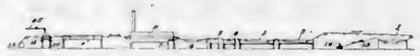
1. In a continuous wire galvanizing apparatus, in combination with a tank containing a molten-coating bath, of a heat-treating furnace, and skimming mechanism in advance of the furnace for removing foreign matter adhering to the outer surface of the coating without materially reducing the thickness of the coating, including means for applying a gaseous medium for retarding the movement of the foreign material.

1,580,889. APPARATUS FOR COATING AND TREATING METALLIC MATERIALS. JOSEPH L. HERMAN, Peoria, Ill., assignor to Midland Manufacturing Company, Peoria, Ill., a Corporation of Illinois. Filed Feb. 28, 1925. Serial No. 12,342. 3 Claims. (Cl. 91—59.4.)



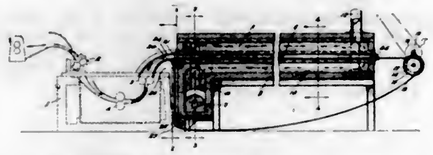
1. In a continuous wire galvanizing apparatus, in combination with a tank containing a molten-metal bath, of skimming means for removing foreign matter adhering to the outer surface of the coating without materially reducing the thickness of the coating, comprising a grooved guiding member over which the coated wires are drawn, and means arranged to internally cool said guiding member.

1,580,890. APPARATUS FOR COATING AND TREATING METALLIC MATERIALS. JOSEPH L. HERMAN, Peoria, Ill., assignor to Midland Manufacturing Company, Peoria, Ill., a Corporation of Illinois. Original application filed Apr. 26, 1923, Serial No. 634,773. Divided and this application filed Apr. 2, 1925. Serial No. 20,139. 7 Claims. (Cl. 91—59.4.)



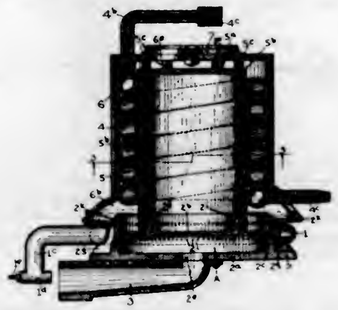
1. In a wire galvanizing apparatus, in combination with a tank containing a molten-metal bath, of skimmers between which the coated wires pass as they leave the bath, said skimmers adapted to remove skimmings, dross or other foreign matter which might adhere to the coating as the wires leave the bath without materially reducing the thickness of the coating, each skimmer including a member adapted to be raised by contact of joints in the wires as they pass between the skimmers.

1,580,891. APPARATUS FOR COATING AND TREATING METALLIC MATERIALS. JOSEPH L. HERMAN, Peoria, Ill., assignor to Midland Manufacturing Company, Peoria, Ill., a Corporation of Illinois. Filed June 26, 1925. Serial No. 39,729. 3 Claims. (Cl. 91—12.1.)



1. An apparatus for galvanizing sheets comprising in combination, means for continuously coating the sheets, a furnace for heat-treating the coated sheets, including a heat-treating chamber through which the coated sheets pass as they leave the coating means, a conveying means for carrying the sheets through the furnace and means at either end of the heat-treating chambers for retarding or reducing to a minimum the infiltration and circulation of air in said heat-treating chambers.

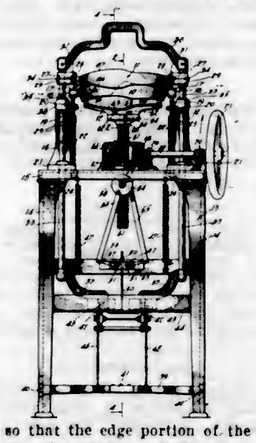
1,580,892. HYDROCARBON GAS GENERATING AND BURNING APPARATUS. CLARENCE A. HILL, Fort Wayne, Ind. Filed Oct. 8, 1923. Serial No. 667,332. 23 Claims. (Cl. 158—53.)



13. In apparatus of the character specified a sub-generator comprising a hollow member provided with a chamber, an inlet to said chamber, and two sets of jet apertures, and parallel flanges exterior to the chamber and on opposite sides of one set of jet apertures; a pipe coil exterior to said chamber and opposite the other set of jet apertures and adapted to be heated by the gases discharged therefrom; a jet head on the discharge end of said coil, and a pipe for conducting the gases discharged from said jet head into said chamber; with a primary generator supported above the said flanges adapted to be heated by the gases discharged from the apertures intermediate said flanges; and independent oil supplies to the sub-generator and to the primary generator.

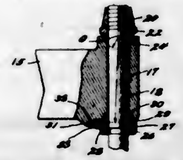
1,580,893. SHOEMAKING MACHINE. ROBERT L. HUBBARD, Los Angeles, Calif. Filed Dec. 29, 1920. Serial No. 433,932. 11 Claims. (Cl. 12—7.)

11. In shoe forming apparatus, two members adapted to clamp leather between them, the members having openings in them shaped to conform to the plan configuration of a shoe and having cooperating clamping surfaces curved transversely to conform to the curvature of a shoe sole the opening in one of the members being smaller than the opening in the other, a last carrying a shoe sole, and a last carrier adapted to carry the last into the openings in said members so that the leather held by said members is stretched over



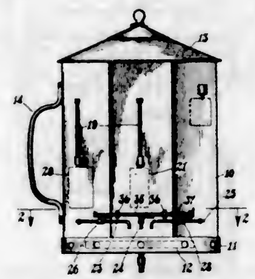
the last and so that the edge portion of the shoe sole is clamped between the carrier and the clamping surface of the member having the smallest opening.

1,580,894. PRESS CONSTRUCTION. HOWARD H. HUMMEL, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Jan. 18, 1923. Serial No. 613,538. 11 Claims. (Cl. 78—13.)



1. The combination with the upper platen of a press, of a plurality of columns, and means for securing the platen in position upon the columns, said means including two members mounted on the column and having concentric spherical bearing surfaces, said platen having two concentric bearing surfaces cooperating therewith.

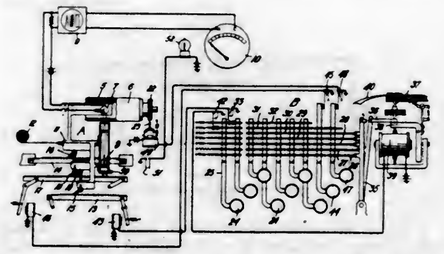
1,580,895. COMBINATION POT FOR COFFEE, TEA, AND MILK. ANTONIO IERISE, Chester, W. Va. Filed June 3, 1924. Serial No. 717,487. 4 Claims. (Cl. 225—21.)



1. A pot divided into compartments for tea, coffee and milk, and discharge pipes leading from said compartments and converging to a common discharge point, and valves on said pipes arranged to open one of said pipes in unison with either of the other two.

4. A pot divided into compartments for tea, coffee and milk, and discharge pipes leading from said compartments and converging to a common discharge point, valves on said pipes, handles for operating said valves, a slidable bar in operative connection with one of said handles, and means for selectively connecting said bar with either of the other handles, comprising a rod extending along said bar and rotatably mounted thereon, and pins on said rod adapted to engage in slots in the said handles, said pins being offset angularly one from the other to cause one pin to disengage from its adjacent slot when the rod is rotated to engage the other pin with its adjacent slot.

1,580,896. PICTURE ANALYSIS. HERBERT E. IVES, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1923. Serial No. 682,869. 8 Claims. (Cl. 178—6.)

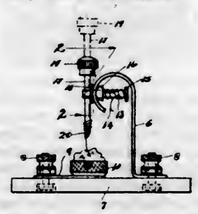


1. In the picture analyzing system, picture holding means, a device operable in accordance with the tone values of elements of the picture, means operable in response to said device for indicating the tone values of said picture elements, means for recording said tone values, and means responsive to said recording means to cause relative movement between said device and said picture holding means.

1,580,897. PHOTO-ENGRAVING. HERBERT E. IVES, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 17, 1924. Serial No. 713,938. 7 Claims. (Cl. 95—5.)

1. The method of producing dot pictures from line pictures which consists in moving the picture to be reproduced relative to a cross-line screen until interference patterns are eliminated, and photographing the lined picture.

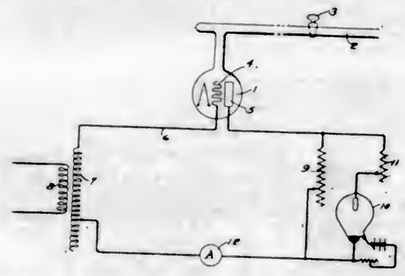
1,580,898. CRYSTAL DETECTOR. CHARLES IZENSTARK, Chicago, Ill. Filed June 7, 1922, Serial No. 566,550. Renewed Dec. 15, 1924. 4 Claims. (Cl. 250—31.)



2. A swivel joint for a crystal detector comprising a bracket member; a stem adjustably mounted in a slot in said bracket member to move in a vertical plane; a

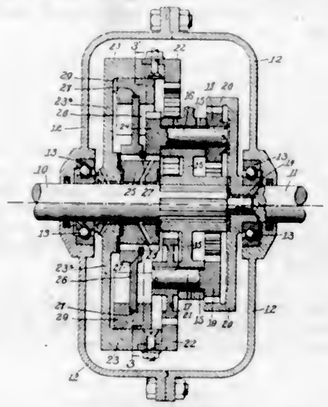
contact pin adjustably mounted in the end of said stem; a member mounted on said stem; and a spring between said member and the head of said stem permitting swinging of said stem with its pin and for frictionally retaining said member and stem engaged with said bracket.

1,580,899. APPARATUS FOR MODIFYING THE WAVE FORM OF ALTERNATING CURRENT. JOHN B. JOHNSON, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1921. Serial No. 481,505. 16 Claims. (Cl. 250—27.)



1. In a device of the character described, a vacuum tube having electrodes to be bombarded, said electrodes being of unequal thermal capacity, a source of alternating current connected to said electrodes and means for rendering the energy delivered to one of said electrodes greater than that delivered to the other.

1,580,900. FLEXIBLE AUTOMATIC TRANSMISSION. WILLIAM E. JOHNSON, Clifton, N. J., assignor, by mesne assignments, to Flexo Drive Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 12, 1921, Serial No. 444,341. Renewed Sept. 14, 1925. 5 Claims. (Cl. 74—34.)

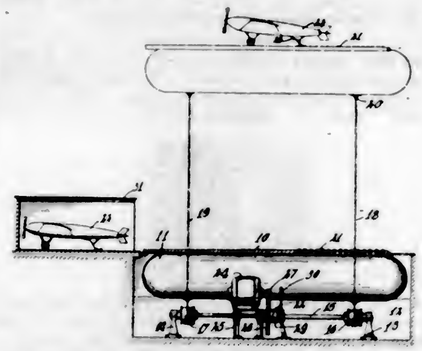


1. In a power transmission, a driving element, a load-carrying driven element, and centrifugally operated means connecting said elements whereby to drive the latter by the former in a ratio of speed transmission capable of gradual variation under automatic control of the load resistance; said connecting means including a bracket connected to the driving element for rotation therewith, a gear connected to the driven element for rotation therewith, pinions journaled in the bracket and meshed with the gear, and brake members arranged to co-act frictionally under centrifugal force upon relative rotation and connected for such relative rotation upon rotation of the pinions about their axes, whereby to permit rotation of the pinions only when the load resistance is sufficient to overcome static engagement between the brake members.

1,580,901. SWITCHING DEVICE. WARREN C. JONES, Flushing, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1924. Serial No. 711,037. 9 Claims. (Cl. 200—91.)

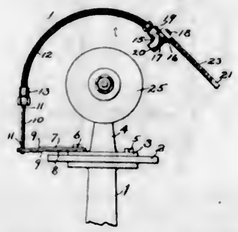
1. A vibrating element and a circuit controller controlled thereby, said circuit controller comprising a loose member and a pair of tuned supporting members therefor.

1,580,902. AEROPLANE LANDING DEVICE. BERNARD KACZOROWSKI, Yonkers, N. Y. Filed July 9, 1925. Serial No. 42,431. 3 Claims. (Cl. 244—2.)



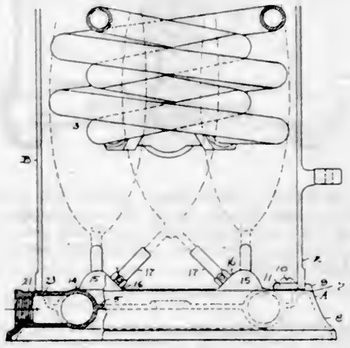
1. Starting and landing platform for aeroplanes comprising a platform, a gas bag to which said platform is secured, a roller platform combined with part of said first named platform, means for raising and lowering said gas bag, a motor, and means for coupling and uncoupling said raising and lowering means to and from said motor, and a means for guiding said gas bag during its movements.

1,580,903. EYE AND FACE SHIELD FOR EMERY AND GRINDING WHEEL OPERATORS. THOMAS J. KELLEHER, Chicago, Ill. Filed Dec. 14, 1923. Serial No. 680,622. 5 Claims. (Cl. 51—268.)



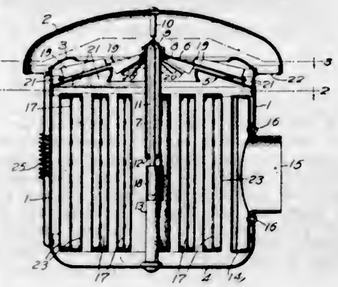
1. In an eye and face shield, a two part base, consisting of corresponding members respectively provided with apertures adjacent to the ends thereof, the apertures adjacent to one of the ends in both said members screw threaded and adapted to register, one of said parts adapted to be imposed on the other, and also adapted to be imposed on the other at the end provided with screw threaded apertures and to be in the same plane at the other ends thereof, a vertical standard secured in said screw threaded apertures, and a non-extensible flexible member secured to said standard, in combination with a frame, a transparent member in said frame, and means to attach said frame to the free end of said flexible member.

1,580,904. GAS-BURNER UNIT FOR HEATERS. HARRY E. KERR, Cleveland, Ohio, assignor to The Cleveland Gas Burner & Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 3, 1924. Serial No. 753,618. 13 Claims. (Cl. 126—350.)



1. A cast metal base unit for a heater casing containing water circulating elements, consisting of a base member, gas burner, and drip pan formed in a single piece and having air and gas commingling tubes mounted thereon.

1,580,905. AIR STRAINER. AXEL W. KOGSTROM, Upper Darby, Pa., assignor of one-half to Allison F. H. Scott, Philadelphia, Pa. Filed June 18, 1925. Serial No. 38,011. 12 Claims. (Cl. 183—51.)

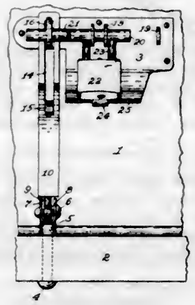


1. In an air cleaner, the combination of a filter chamber provided with inlet and outlet passages, a filter arranged within the chamber and over the outlet passage, a centrifugal separator arranged within the inlet passage comprising turbine blades and impeller blades, whereby air passing through the cleaner causes the turbine blades to rotate to drive the impeller blades and thereby clean the air by centrifugal action.

1,580,906. PROCESS FOR THE PRODUCTION OF ARTIFICIAL STONE, STONEWARE, AND THE LIKE FROM BOILER SLAG, DUST SLAG, OR ASHES. FRIEDRICH KÖRBER, Dusseldorf, and WILHELM HESSEL, Essen-Ruhr, Germany. Filed June 7, 1924. Serial No. 718,672. 1 Claim. (Cl. 18—47.5.)

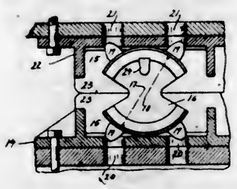
A process for producing stoneware from substances of the character of coal clinker such as slags comprising the reduction of the clinker or slag to a finely divided condition, moulding the finely divided clinker or slag into the form of the object to be produced and then sintering the moulded body, substantially as described.

1,580,907. ANTIRATTLING FASTENING DEVICE. AMOS F. LADWIG and CARL A. LARSON, Waterloo, Iowa. Filed May 21, 1925. Serial No. 31,884. 4 Claims. (Cl. 292—57.)



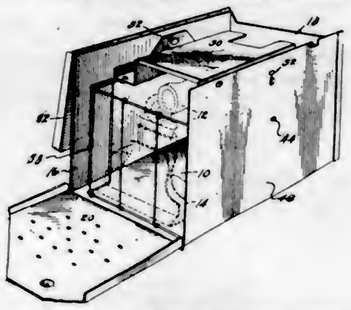
1. A device of the character described, comprising the combination with separable objects, of an apertured projection fixed on one object, a hasp connected to the other object and apertured to receive said projection, an apertured bearing-body fixed on the first-mentioned object, a bolt mounted slidably in said bearing-body to removably traverse the aperture of said projection to lock the hasp thereon, and means for releasing locking said bolt in engagement with said projection to also lock said hasp therewith.

1,580,908. CAR MOUNTING. ELMER A. LAUGHLIN, Oregon, Ill., assignor, by mesne assignments, of one-half to Joshua R. H. Potts, Chicago, Ill. Filed Sept. 12, 1921. Serial No. 500,063. 4 Claims. (Cl. 308—224.)



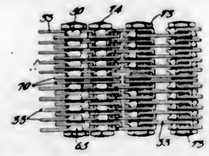
1. The combination with a car body and truck therefor, said body being pivotally mounted on said truck, of upper and lower bearing members on said body and truck, normally bearing against each other, and arranged substantially forward and back of the truck pivot; and means operating to separate said bearing members vertically when the truck turns, substantially as described.

1,580,909. COMBINATION ELECTRIC HEATER, COOKER, AND IRONER. JOSEPH LAVOIE, Detroit, Mich., assignor to Lavoy Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 5, 1925. Serial No. 60,416. 7 Claims. (Cl. 126—38.)



1. A container for a heating element, comprising an enclosure with at least one removable side, and a pivotally-supported platform within the enclosure for holding the element in different angular positions, in one of which positions it faces toward the movable side.

1,580,910. CHAIN AND METHOD OF MAKING THE SAME. HEBRON B. LAYMAN and HJALMER S. THURNER, New York, N. Y., assignors to C & C Sales Corporation, a Corporation of New York. Filed Nov. 28, 1923. Serial No. 677,365. 18 Claims. (Cl. 74—32.)



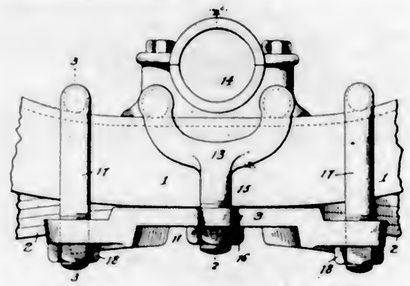
9. In a chain the combination with a series of pins, of toothed links formed of stamped sheet metal pivoted directly on said pins, each link having the gear-contacting surfaces of its teeth broadened on one side of the link to be wider than the thickness of the link stock, and with completely cylindrical bosses at the bearing surface contacting with the pin on the same side of the link as said broadened gear-contacting surfaces, the ends of the bosses of each link contacting with the ends of the bosses of adjacent links.

1,580,911. RECEIVER. OSCAR M. LEICH, Genoa, Ill., assignor to Leich Electric Co., Genoa, Ill., a Corporation of Illinois. Filed June 12, 1922. Serial No. 567,703. 4 Claims. (Cl. 179—114.)

1. In a receiver, a casing, a ring-like diaphragm support of magnetic material within said casing, a diaphragm thereon, an electro-magnet having a core, an arcuate horseshoe magnet extending parallel to said diaphragm, means magnetically connecting said diaphragm support with one pole of said magnet and a flat bracket of magnetic material connected with the other pole of said magnet and with said core.

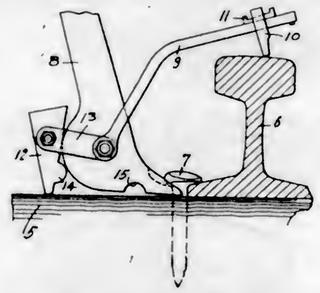
4. In a receiver, a casing having an opening therein through which conductors are adapted to pass, and a permanent magnet mounted in said casing adjacent the same, said magnet having a recess therein and the material from said opening entering said recess, for the purpose described.

1,580,912. SPRING PLATE. LEE J. LOOMIS and EDWARD B. FURRY, Union, N. Y., assignor to The Union Forging Company, Union, N. Y., a Corporation of New York. Filed Mar. 21, 1924. Serial No. 700,914. 6 Claims. (Cl. 267—52.)



1. A spring plate comprising a bottom and upwardly extending flanges formed along the longitudinal edges thereof to form a channel therebetween, the ends of the flanges extending beyond the ends of the bottom and having openings therein.

1,580,913. SPIKE PULLER. ANDREW MCLAIN, Carnegie, Pa. Filed May 12, 1925. Serial No. 29,675. 3 Claims. (Cl. 254—27.)



3. A spike puller comprising a draw-bar having claws and a curved bearing surface extending rearwardly of the claws, a fulcrum block having a flat bearing surface substantially coextensive with the first-named bearing surface, and inter-engaging portions adjacent to the forward edges of said bearing surfaces, for preventing relative sliding movement of said draw-bar and fulcrum, the bearing surface on said block being inclined upwardly from its forward end.

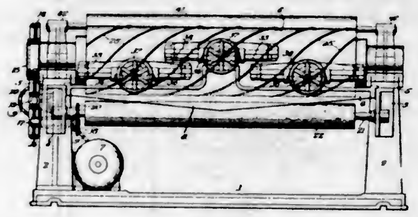
1,580,914. VARNISH AND PAINT REMOVER. MAX PHILLIPS, Evansville, Wis., and MARSHALL J. GOSS, Ashland, Ohio, dedicated, by mesne assignments, to the People of the United States. Filed Oct. 24, 1925. Serial No. 64,707. 6 Claims. (Cl. 87—5.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A varnish and paint remover comprising p-cymene and 95% ethyl alcohol.

1,580,915. RECIPROCATING VALVE. SAM PLEDGER, Oklahoma City, Okla. Filed Feb. 13, 1925. Serial No. 8,928. 6 Claims. (Cl. 103—225.)

1. In a reciprocatory tubular valve, a solid one piece valve stem, a hollow one piece working valve barrel, said stem having limited vertical motion within said working barrel, a reduced section, a tapering conical portion adjacent the bottom of said reduced section for guiding the lower end of said valve stem to its relative position in said working barrel.

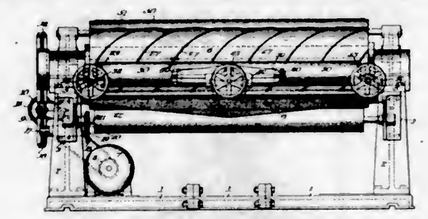
1,580,916. MACHINE FOR CUTTING MATERIAL ON THE BIAS. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 4, 1921, Serial No. 475,021. Renewed Dec. 30, 1925. 25 Claims. (Cl. 164—68.)



1. A machine for cutting rubberized fabric on parallel diagonal lines, comprising a roller having a plurality of parallel helical grooves thereon, wires partially received in the grooves, means for longitudinally tensioning the wires to draw them into the grooves, means for conducting fabric over the roller, and means for forcing the fabric against the wires to sever it.

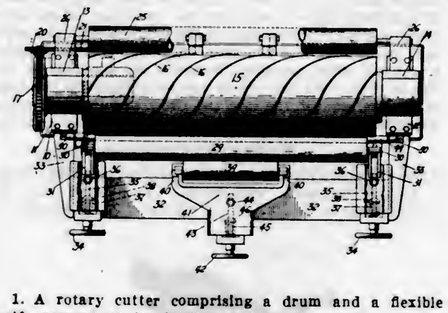
1,580,917. MACHINE FOR CUTTING MATERIAL ON THE BIAS. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 23, 1928, Serial No. 633,838. Renewed Jan. 16, 1926. 8 Claims. (Cl. 164—68.)

1. A machine of the character set forth, having in combination, a cylindrical drum, a blade projecting from said drum and being mounted spirally thereon, pressure means to force material against the drum, and means



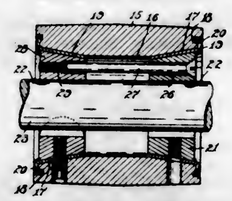
constructed and arranged to engage said pressure means and to take up the spring therefrom.

1,580,918. ROTARY CUTTER AND METHOD OF MAKING CUTTER DRUMS. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 700,063. 21 Claims. (Cl. 164—68.)



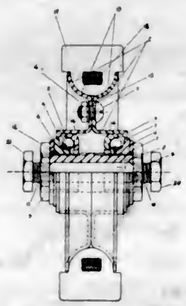
1. A rotary cutter comprising a drum and a flexible knife secured at its leading end on the surface of the drum the remainder of the knife being so retained thereon as to permit longitudinal displacement thereof relatively to the drum surface.

1,580,919. PULLEY. MILTON O. REEVES, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a Corporation of Indiana. Filed Apr. 13, 1923. Serial No. 631,771. 19 Claims. (Cl. 64—17.)



1. A pulley comprising a main non-metallic body having a bore, a strain receiving thimble having a conical interior mounted in said bore and having radial interlocking engagement with the pulley body by means of an under-cut portion of the body and a mating flange on the thimble, a compressible bored bushing having an exterior mating with the conical interior of the thimble, clamping screws arranged axially of the pulley and co-operating with the bushing to produce relative axial movement between the bushing and thimble and an abutment for said clamping screws co-acting with the pulley.

1,580,920. WHEEL. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed May 6, 1921. Serial No. 467,425. 3 Claims. (Cl. 301—63.)



1. In a wheel of the class described, the combination of a rim comprising separable sections adapted to be secured together to provide an annular peripheral transversely curved tire seat, of a tire comprising an annular rubber body portion having a fabric core, said core being of relatively slight resiliency, the inner face of said tire being normally curved on a shorter radius than the adjacent portion of the rim seat with which it is adapted to contact when assemled therewith the assembly of the rim sections with the tire therebetween causing the body of the tire between the core and tire seat to be compressed when the rim sections are secured in assembled relation.

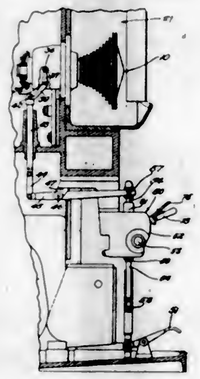
1,580,921. METHOD OF ORNAMENTING ARTICLES. ADOLPH SCHERER, Philadelphia, Pa. Filed Feb. 10, 1925. Serial No. 8,105. 6 Claims. (Cl. 41—36.)

1. The herein described method of ornamenting articles, consisting of coating the article with a quick drying material; painting a design on the dried material with a colored solvent to soften the same, and applying crystals to the colored solvent and softened material.

1,580,922. LAMP SHADE AND METHOD OF MAKING THE SAME. ADOLPH SCHERER, Philadelphia, Pa. Filed Feb. 5, 1926. Serial No. 86,143. 6 Claims. (Cl. 41—21.)

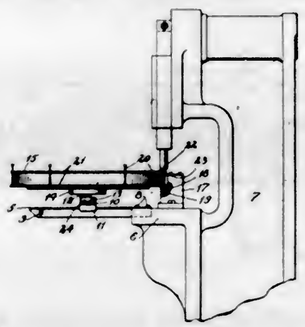
1. A method of producing sheet material consisting of coating a translucent backing with adhesive; applying printed sheet material thereto; coating the printed material with a liquid, and then allowing the liquid to harden.

1,580,923. CLUTCH-CONTROLLING MECHANISM. JOHN NILSEN SELVIG, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1924. Serial No. 699,509. 5 Claims. (Cl. 192—82.)



1. In a mechanism for controlling a clutch, a driving member, a driven member pivotally and reciprocally mounted, said members having cooperating surfaces adapted to form a driving connection therebetween, means for moving the driven member about its pivot to engage the driving member, and means cooperating with the driven member upon a longitudinal movement thereof to effect an engagement of the clutch.

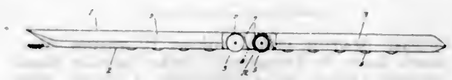
1,580,924. WORK-PIECE-SUPPORTING ATTACHMENT FOR PRESSES. FRANK SHANNON, North Tarrytown, N. Y. Filed May 18, 1925. Serial No. 31,253. 8 Claims. (Cl. 29—89.)



1. A workpiece support for presses and like apparatus, comprising a block, means for adjustably mounting the block in connection with the apparatus, a member movably mounted in and with said block and in connection with which a workpiece is adapted to be supported, and the mounting of said member in connection with said block being universal.

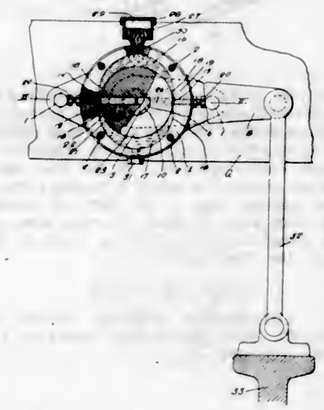
1,580,925. WATER TRANSPORT. JAMES SHAW, Lodi, Calif. Filed Aug. 30, 1924. Serial No. 735,062. 3 Claims. (Cl. 114—58.)

1. A water transport comprising a hull, such hull comprising flat top and bottom surfaces spaced apart, sides between said top and bottom members of triangular cross section, the apices of said sides facing outwardly and extending in a horizontal plane all about the hull, propulsive wheels arranged inwardly of the sides of



the hull and projecting below the bottom thereof, and housings in which the wheels are individually mounted, said housings being open on the bottom.

1,580,926. AUTOMATIC SHOCK ABSORBER. DESIDERIUS SIMON, New York, N. Y. Filed Mar. 19, 1924. Serial No. 700,315. 18 Claims. (Cl. 188—89.)



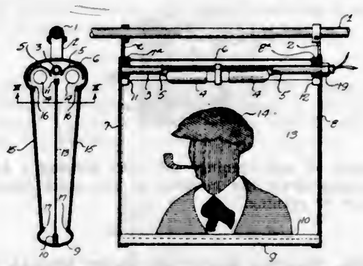
1. A shock absorber for vehicles comprising means automatically operable to alter its shock absorbing value in accordance with road and speed conditions.

1,580,927. HEEL LIFT. WILLIAM E. SMALL, Brooklyn, N. Y. Filed Nov. 26, 1923. Serial No. 676,988. 5 Claims. (Cl. 36—34.)

1. A heel lift provided with locking means adapted to engage with cooperative locking means associated with the heel assembling apparatus.

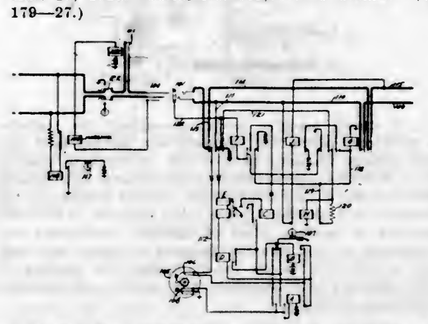
1,580,928. ELECTRIC SIGN. HAROLD STANGEBYE, Hobart, Ind. Filed Feb. 21, 1925. Serial No. 10,768. 3 Claims. (Cl. 40—133.)

1. A device of the class described, comprising a member having perforations therein of a selected configuration, means having a vari-colored design thereon conforming substantially with the design of the member



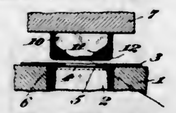
perforations and spaced from said member, and means for illuminating said colored means, thus causing its colors to be displayed between said perforations.

1,580,929. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. RAY L. STOKELY, Floral Park, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Apr. 20, 1921, Serial No. 462,868. Divided and this application filed Mar. 29, 1924. Serial No. 702,710. 6 Claims. (Cl. 179—27.)



1. In a telephone system, the combination at an operator's position of trunks terminating thereat, an impulse sender, a signal means for connecting the impulse sender with any one of said trunks and for actuating said signal, and means for maintaining said signal operated in case a trunk with which the sender is connected is in an unstandard condition.

1,580,930. FLANGING. GEORGE E. THACKRAY, Westmont Borough, Pa. Filed Dec. 6, 1922. Serial No. 605,327. 6 Claims. (Cl. 113—49.)

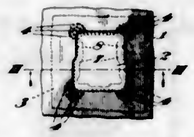


1. The method of flanging a plate around an opening of substantially rectangular shape therein, which consists in bending the corner portions thereof by a progressive bending action while the adjacent side and end portions are substantially free, and then bending said side and end portions.

1,580,931. METAL FLANGING. GEORGE E. THACKRAY, Westmont Borough, Pa. Filed Dec. 6, 1922. Serial No. 605,329. 6 Claims. (Cl. 113—49.)

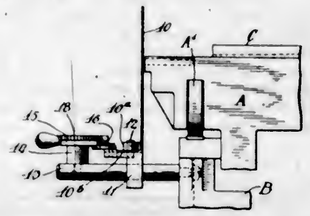
1. The method of flanging metal, which consists in providing an opening having reentrant angles or cor-

ners therein, then heating the metal, then subjecting the same to local cooling adjacent the re-entrant angles



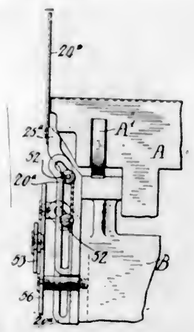
or corners of said opening, and then forming a flange by pressing down the margins of the plate adjacent the notch or opening.

1,580,932. SLICING MACHINE. HENRY THOMAS, London, England, and CORNELIS F. M. VAN BERKEL, Rotterdam, Netherlands, assignors to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed May 5, 1923. Serial No. 636,830. 9 Claims. (Cl. 146—102.)



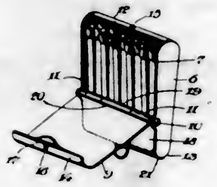
1. A slicing machine having a support for material to be sliced, means for automatically moving said support various amounts to feed the material to produce slices of different predetermined thicknesses, an abutment plate for said slicing machine for initially positioning the material, said abutment plate being movable to different positions to produce slices of different thicknesses corresponding to the different amounts at which said support is fed, and means for indicating the position of said abutment plate corresponding to the predetermined thicknesses of slices.

1,580,933. FIRST-SLICE DEVICE. HENRY THOMAS, London, England, and CORNELIS F. M. VAN BERKEL, Rotterdam, Netherlands, assignors to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed May 5, 1923. Serial No. 636,831. 9 Claims. (Cl. 146—102.)



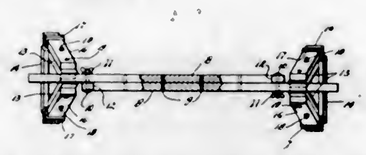
1. The combination with a slicing machine, of an abutment member for locating material to be sliced, means for moving the material to be sliced during a slicing operation, and means controlled by said slicing machine to displace said abutment member away from the path of movement of said material when said slicing machine is operated.

1,580,934. MATCH CASE. HENRY C. TRAUTH, Monmouth Beach, N. J., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 30, 1925. Serial No. 26,846. 1 Claim. (Cl. 206—33.)



A match case of the type described comprising a body portion and two independent lids therefor having co-axial hinge portions between the ends of the body portion, the free ends of said lids having fastening means to engage the opposite ends, respectively, of the case, the hinge portion of one of said lids having a bearing portion with which the opposing edge of the other lid forcibly engages and binds when the latter is swung open, so that when the second-named lid is being closed it forcibly swings open the other lid.

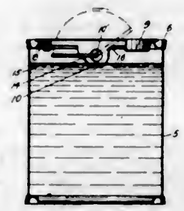
1,580,935. ADJUSTABLE HORSE. JOHANN VIDON, Evanston, Ill. Filed Aug. 6, 1924. Serial No. 730,343. 1 Claim. (Cl. 304—6.)



A device of the class described comprising a back including a plurality of beams each having a re-enforcing band at one end, and having a plurality of openings and bolts engaging in said openings for adjusting said back for length and retaining said beams in place; supporting means including triangular frames each containing diverging posts secured at their upper ends to one of said beams and having cross bars connecting their lower ends; a diagonal brace member connecting said cross bars with said last mentioned beam; a loop member having its ends secured between a post and its connected cross bars; and a supporting leg slidably extending through each loop member and being adjustably retained therein by the use of the bolt means and a plurality of openings on said post and said leg.

1,580,936. CONTAINER WITH BRUSH-WIPING ATTACHMENT. FREDERICK W. WANSNER, Piedmont, Calif. Filed Dec. 2, 1925. Serial No. 72,651. 6 Claims. (Cl. 220—90.)

1. A container for liquids or semi-liquids having a top provided with an opening and having an inwardly projecting flange surrounding the opening; the flange provided with a pair of ears; a member pivotally supported in the ears and provided with a wiper portion and adapted to be normally housed within the container and



also adapted to be swung so that the said wiper portion will be positioned above the top of the container and the opening therein for service.

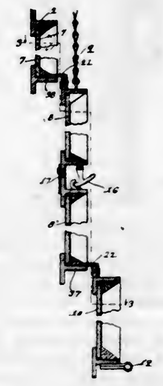
1,580,937. POWER-TRANSMISSION DEVICE. JACOB WERZ, Geneva, Switzerland, assignor of one-half to Société Anonyme des Ateliers de Sécheron, Geneva, Switzerland, a Corporation of Switzerland. Filed Nov. 14, 1924. Serial No. 749,958. 1 Claim. (Cl. 105—131.)

A power transmission device comprising a hollow shaft, a wheel, pairs of sockets secured in spaced positions in the said wheel, a plurality of sockets fixed to the said shaft, each of the last aforesaid sockets being located normally substantially midway between a pair of the first aforesaid sockets, and springs extending between the said sockets and having their ends fixed therein, the axes of the said springs being arranged in the form of a triangle.

1,580,938. TELEPHONE RECEIVER ATTACHMENT. CLIFFORD A. WOLF, New Rochelle, N. Y., assignor of one-half to Mark A. Monash, New Rochelle, N. Y. Filed Mar. 7, 1923. Serial No. 623,341. 2 Claims. (Cl. 179—157.)

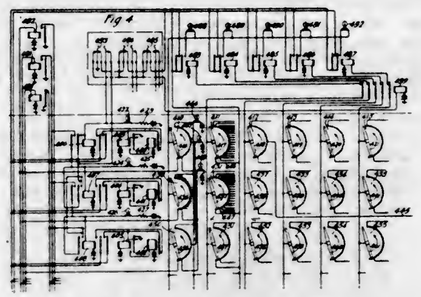
2. The combination of a telephone receiver provided with an enlarged end portion formed into an annular bead, and a clip for engaging said telephone receiver, said clip being provided with a plurality of ears integral with it and spaced apart, said ears being fashioned to fit upon said annular bead to support the clip in a position to abut the end of the telephone receiver, said clip being further provided with fingers extending from it in order to engage the shoulder of a garment.

1,580,939. WINDOW CONSTRUCTION. SAMUEL B. ZIMMER, Los Angeles, Calif., assignor to Gertrude E. Zimmer, Los Angeles, Calif. Filed Sept. 5, 1923. Serial No. 661,044. 5 Claims. (Cl. 189—72.)



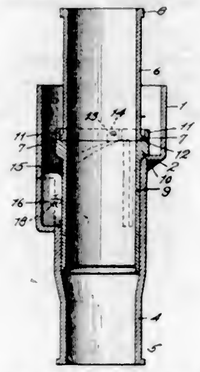
1. In a window, a pair of oppositely movable sash arranged in the same vertical plane and supported by a flexible element, one lap of which is concealed in a housing formed of sheet metal and constituting a removable stop.

1,580,940. TESTING DEVICE FOR TELEPHONE-EXCHANGE SYSTEMS. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1923. Serial No. 638,217. 18 Claims. (Cl. 179—175.)



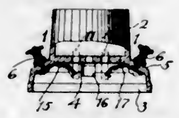
1. In a telephone exchange system, a plurality of selector switches, a sender commonly available to said selector switches, means to associate said senders with one of said selector switches, means to cause said sender to function in a progressive manner to control selector switches, a testing device associated with said selector switches, and means to operate said testing device to locate a selector switch associated with an improperly functioning sender.

1,580,941. EXTENSION PIPE JOINT. JAMES E. ALBINSON, Washington, D. C. Filed July 22, 1925. Serial No. 45,402. 6 Claims. (Cl. 285—116.)



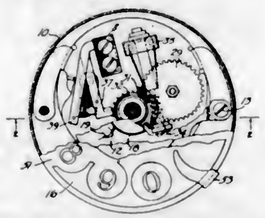
1. A pipe joint, comprising a pipe section having a bell end, a pipe section insertable in said bell end and having a peripheral flange, and an intermediate section having lugs to secure it to said second section, and extending into the smaller portion of said first section.

1,580,942. SOCKET FOR VACUUM TUBES. MILTON ALDEN, Springfield, Mass., assignor to Alden Manufacturing Co., Springfield, Mass., a Corporation of Massachusetts. Filed Feb. 27, 1923. Serial No. 621,575. 5 Claims. (Cl. 173—328.)



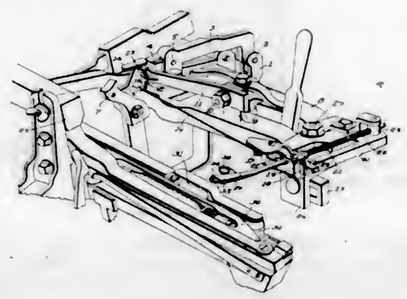
3. A vacuum tube socket comprising a base portion, a barrel portion for receiving the vacuum tube, a bottom in the barrel portion provided with openings through which the prongs of the tube pass, a ledge portion connecting the barrel and base portions, binding posts upon the exterior of the ledge portion, and contact strips secured on the under side of the ledge portion and located in the path of the inserted prongs of the vacuum tube, said contact strips being bent to provide a bearing surface and being positioned and arranged to provide a wiping contact for the prongs and for frictionally engaging the same to retain the tube in the socket yet permitting it to be withdrawn.

1,580,943. CALLING DIAL. CLARENCE I. BAKER, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 7, 1924. Serial No. 697,460. 8 Claims. (Cl. 179—90.)



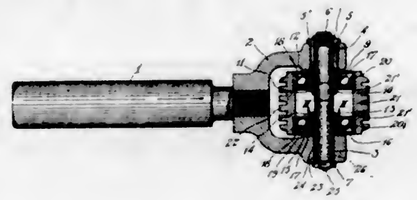
1. In a calling dial, an impulse mechanism, a finger wheel for actuating said mechanism, shunt springs, and means operable through the movement of said finger wheel for opening and closing said springs at different angular distances according to the direction of movement of said finger wheel.

1,580,944. FEELER MECHANISM FOR LOOMS. EUGENE H. BALLOU, Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 13, 1924. Serial No. 755,799. 7 Claims. (Cl. 139—281.)



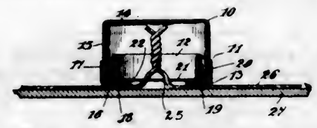
1. In a feeler mechanism for looms, the combination of a side swipe feeler mounted for yielding frontward movement and sliding movement longitudinally of a surface within the shuttle, a feeler tip slidably mounted upon the feeler for yielding frontward movement and having an integral row of teeth extending lengthwise of the shuttle and which normally project from the rear end of the feeler to engage a surface of substantial area within the shuttle on a detecting beat and arranged so that as the feeler commences its side swipe movement the teeth will be tilted out of engagement with the surface in the order of their arrangement.

1,580,945. TOOL DRESSER. WILLIAM D. BARTLETT, Cleveland, Ohio, assignor to The Ross Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 7, 1921. Serial No. 467,687. 7 Claims. (Cl. 308—190.)



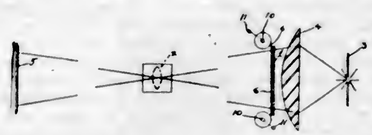
1. The combination of a rotatable member; a yoke shaped supporting device; a shaft for said member in the arms of said device; one of said arms being formed with an enlarged threaded aperture intersected by said shaft; an externally threaded sleeve surrounding the shaft and cooperating with the threads of said aperture, and a pair of ball bearings between the member and said shaft and including inner and outer race-members, the inner race member of one of said bearings, the outer race members of both of said bearings, and said rotatable member being longitudinally adjustable relatively to the shaft, said sleeve engaging the adjustable inner race member for crowding said longitudinally adjustable members together and adjusting both of said bearings by the adjustment of said sleeve.

1,580,946. SEAL AND KNOT PROTECTOR. SAMUEL BARUCH, New York, N. Y. Filed Apr. 5, 1924. Serial No. 704,319. 7 Claims. (Cl. 292—325.)



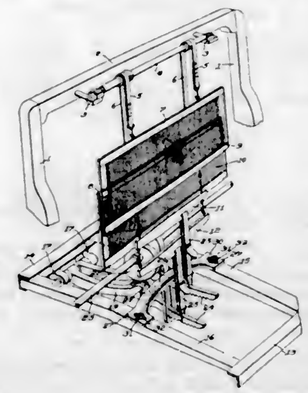
1. A seal and knot protector comprising a pair of inter-engaging members forming a knot receiving chamber, one of said members including a locking section and a guard section permanently connected together, said guard section constituting a wall of the knot receiving chamber, said locking section being of general ring shape and including an internal flange permanently connected to the guard section.

1,580,947. SERIAL-NUMBERING DEVICE. MURRAY C. BEEBE and EDMUND M. WISE, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation. Filed July 30, 1921. Serial No. 488,730. 3 Claims. (Cl. 88—24.)



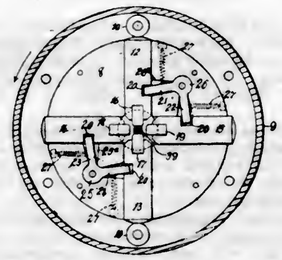
1. The method of producing serial numbers on watch cases and the like, which consists in separately covering watch cases with a light-sensitive coating, in separately subjecting the coated cases to an ornamental image by projection, in simultaneously projecting serial numbers onto the same surface, and in changing the number images coordinately with the change of watch cases.

1,580,948. LOOM-TREADLE GUIDE. JAMES B. BELL, Pelzer, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 19, 1925. Serial No. 76,390. 2 Claims. (Cl. 139—79.)



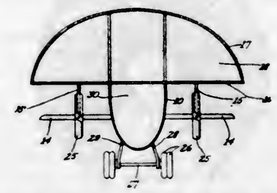
1. A treadle guide for looms, comprising an upwardly arched guide supporting bar having end feet provided with means for securing the supporting bar in different positions to the loom frame, and a treadle guide frame extending downwardly from the arched supporting bar and having guide openings for the treadles.

1,580,949. ROTARY SWAGING MACHINE. ANDREW BERG, Bridgeport, Conn., assignor to The Coulter & McKenzie Machine Company, Bridgeport, Conn. Filed Mar. 12, 1924. Serial No. 698,699. 2 Claims. (Cl. 78—21.)



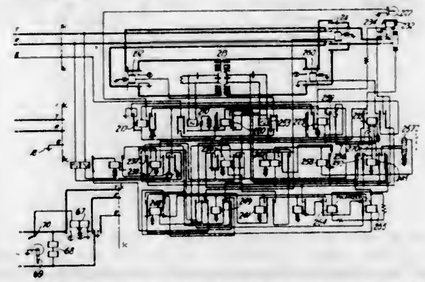
1. A machine of the character described, comprising a stationary head, a support for the head, radially operating die carrying slides mounted on the head, a rotatable roller carrying head embracing the stationary head, a support for the rotating head whose rollers are adapted to alternately engage each opposed pair of slides and temporarily force them inward, means connecting the pair of operating slides with the idle pair to retreat the latter when the former are advanced.

1,580,950. AIRCRAFT. WALTER BOESCHE, Plymouth, Pa. Filed Apr. 24, 1925. Serial No. 25,497. 3 Claims. (Cl. 244—6.)



1. An airship comprising a longitudinal bag having a stream-lined roof, a longitudinal enclosed fuselage suspended beneath the bag, the walls of the fuselage joining the bottom of said bag, planes extending transversely from both sides of said fuselage and propellers projecting forwardly from the planes, and means for controlling the flight of said airship.

1,580,951. TELEPHONE SYSTEM. LANGFORD J. BOWNE, Howard Beach, N. Y., and HORACE W. ULRICH, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1924. Serial No. 759,195. 32 Claims. (Cl. 179—41.)



1. In a telephone system, a plurality of private branch exchanges, tie lines extending therebetween, repeating coils normally included in each tie line at each exchange,

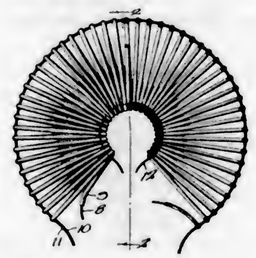
a link circuit at one of said exchanges for interconnecting two of said lines, and means included in said two lines responsive to their interconnection for excluding said repeating coils from the connected ends of said two lines.

1,580,952. WATER-SOLUBLE ESSENTIAL OILS AND PERFUMES. FRIEDRICH BRÄUNLICH, Aussig, Czechoslovakia, assignor of one-half to Emile Bindschedler, Philadelphia, Pa. Filed Dec. 17, 1921, Serial No. 523,211. Renewed Oct. 1, 1925. 4 Claims. (Cl. 167—9.)

1. The method of producing a water soluble oleaginous product consisting in combining an essential oil with a quantity of sulphonated fatty oil at least partially neutralized with an alkali, and clearing up the liquid with an anhydrous salt.

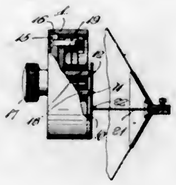
4. The product comprising a solution of essential oil in a lesser quantity of sulphonated fatty oil, cleared with an alkali salt and forming a substantially permanent clear liquid miscible with aqueous addition without separation.

1,580,953. CURVED SPIRALLY-WOUND COIL AND METHOD OF PRODUCING THE SAME. HARRY A. BREMER, Chicago, Ill., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1925. Serial No. 9,680. 2 Claims. (Cl. 175—359.)



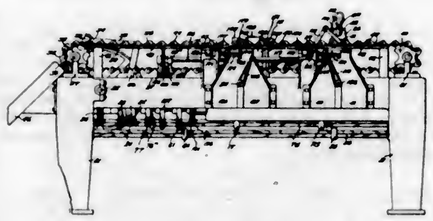
1. The method of making curved coils of wire which consists in spirally winding the wire into a coil requiring bending into the desired shape; assembling a sinuous ligature with and with its folds between convolutions of the coil and along one side of the coil and of a length, when stretched, coinciding with the length of the curve of the spirally shaped coil where the ligature is disposed; and curving the coil with the ligature outside of the inner side of the bent coil.

1,580,954. ELECTROMAGNETIC SOUND REPRODUCER. RALPH L. BROWN, Newark, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 28, 1925. Serial No. 71,977. 5 Claims. (Cl. 179—108.)



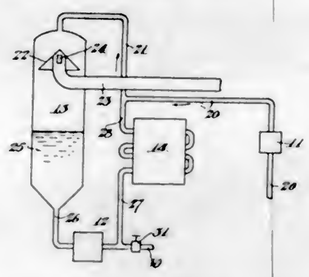
1. In an electromagnetic driver, the combination of a casing, an electromagnetic driving unit arranged within said casing including a pair of electromagnets, a segmental member secured across one side of said casing adjacent said electromagnets, an armature fulcrumed on said segmental member and terminating in a circular portion adjacent said electromagnets, whereby said armature is set into vibration as a lever for converting electrical vibrations into sound.

1,580,955. AUTOMATIC GAUGING MACHINE. EDWIN CLARK BURDICK, Philadelphia, Pa. Filed Feb. 25, 1925. Serial No. 11,888. 14 Claims. (Cl. 209—88.)



1. In a gauging machine, a conveyor for moving articles to be gauged; gauging means operative to move toward said articles; and ejecting means movable to various positions dependent upon the extent of movement of said gauging means and operative to effect movement of the gauged articles of improper size to one of a number of locations off of said conveyor and independently of the movement thereof, said gauging means when movable into a neutral position, determining the proper size of the articles, being effective to allow said conveyor to move said latter mentioned articles to another location; substantially as described.

1,580,956. PROCESS FOR DEHYDRATING EMULSIONS. WILLIAM CAMERON, Suez, Egypt, assignor to Simplex Refining Company, San Francisco, Calif., a Corporation of California. Filed Nov. 15, 1920. Serial No. 424,112. 5 Claims. (Cl. 196—5.)

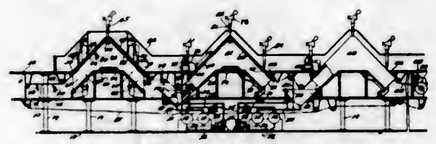


1. A process of treating emulsions containing water having water soluble salts in solution therein comprising injecting said emulsion into a body of oil having a temperature above the boiling point of water, allowing the water vapor so produced to escape freely and maintaining the temperature of said oil by circulating dehydrated portions thereof over heated metal surfaces.

1,580,957. COATING AND BAKING APPARATUS FOR AUTOMOBILE PARTS AND THE LIKE. WILLIAM H. CHAFFE, Detroit, Mich., and JOHN A. MILLER, Tarrytown, N. Y.; said Chaffe assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 27, 1921. Serial No. 510,936. 18 Claims. (Cl. 34—12.)

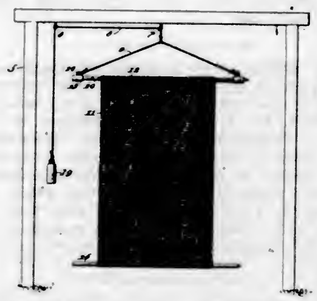
1. In a device of the class described, a heating oven of substantially inverted V-form having an opening at

substantially the bottom of the leg of the V, a conveyor for travelling articles through the oven, means for directing a current of air across said opening in angular



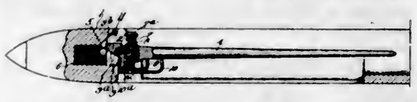
relation to the conveyor for retaining the heat within the oven, and means for supplying heat to the oven in the neighborhood of the apex portion of the inverted V.

1,580,958. CURTAIN-DRYING STRETCHER. EARL H. CHAPMAN, Kenwood Park, Iowa. Filed June 12, 1924. Serial No. 719,658. 1 Claim. (Cl. 45—24.)



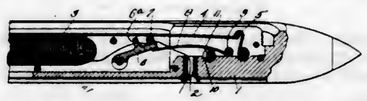
A curtain-drying stretcher, comprising a rod insertable in one of the curtain hems, a suspending cord therefor attached to one end of the rod, a detachable member applied to the other end of the rod, and to which the cord connects, and a suspending counterweight connecting with the suspending cord.

1,580,959. LOOM SHUTTLE. GEORGE M. CHENEY, Southbridge, Mass., assignor to Litchfield Shuttle Company, Southbridge, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1923. Serial No. 656,024. 10 Claims. (Cl. 139—211.)



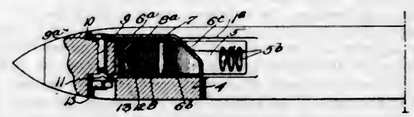
1. A loom shuttle embracing in its construction a shuttle body, a spindle adapted to carry either cop-tubes or bobbins, as desired, said spindle being fulcrumed to be swung out of the shuttle to permit removal of the cop tube or bobbin, a substantially rigid cop-gripping member whose forward end is turned inwardly to present a gripping edge against a cop tube, a bobbin-retaining member whose forward end is inturned beyond the cop-engaging member, to engage a bobbin, a transversely movable spring-pressed supporting element to which said members are secured and normally acting to draw said retaining members toward the spindle when in service position while shifting them to releasing position when the spindle is swung outwardly.

1,580,960. YARN-TENSIONING DEVICE FOR LOOM SHUTTLES. GEORGE M. CHENEY, Southbridge, Mass., assignor to Litchfield Shuttle Company, Southbridge, Mass., a Corporation of Massachusetts. Filed Aug. 6, 1923. Serial No. 656,025. 8 Claims. (Cl. 139—216.)



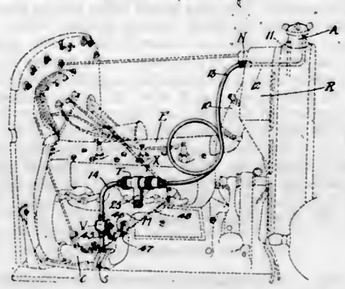
1. In a tensioning device for a loom shuttle, the combination with a pivotally mounted spring-pressed yarn-tensioning member arranged to engage the yarn as it passes from the yarn-cop, of a tension-adjusting member arranged transversely of the shuttle and provided with a laterally offset cam face arranged to vary the tension exerted on the yarn according to the adjustment of said cam face, substantially as described.

1,580,961. SHUTTLE FOR AUTOMATIC LOOMS. GEORGE M. CHENEY, Southbridge, Mass., assignor to Litchfield Shuttle Company, Southbridge, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1923. Serial No. 657,139. 6 Claims. (Cl. 139—207.)



1. In a loom shuttle, the combination of a bobbin fork, a cooperating fork-supporting and bobbin-deflecting member having an upper arm extending rearwardly beyond the fork and provided with a bolt-receiving and locking perforation, an anchoring bolt passed through said perforation and the underlying portion of the shuttle body, a self-locked nut secured to the other end of the bolt, and a compressive spring located beneath the said perforated extension of the bobbin-deflecting member to exert an upward yielding thrust against the underside of the said extension and maintain the nut constantly in locked relation while allowing the nut to be manually released, substantially as described.

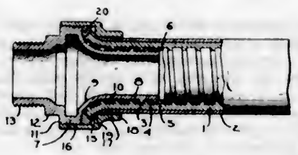
1,580,962. VAPOR-SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES. DONALD L. CHRISTISON, New York, N. Y. Filed Sept. 19, 1924. Serial No. 738,571. 2 Claims. (Cl. 123—25.)



1. In a system for supplying an auxiliary gas to the fuel supply of an internal combustion engine having a throttle control the combination with a source of an auxiliary gas, of a connection between said source and said fuel supply, a thermostat control in said connection, a control valve for said connection and means for auto-

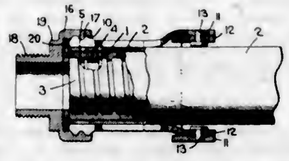
matically operating said valve from the throttle control of said engine, said valve having an open position for positions of the throttle control corresponding to a normal running range and a closed position for positions of the throttle control outside of said normal running range.

1,580,963. COUPLING FOR METAL-LINED HOSE. LE ROY H. CRANDALL, Boston, Mass. Filed May 7, 1924. Serial No. 711,627. 2 Claims. (Cl. 285—86.)



1. A coupling for metal lined hose, of that type in which the metal lining presents an internal continuous screw thread like groove, comprising an exteriorly screw threaded cylindrical sleeve fitting the said metal lining and its groove, an externally screw threaded body of greater diameter than the sleeve, an intermediate section concentric with and integrally uniting the sleeve and body and having its exterior surface extending in a smooth flare from the sleeve to the body whereby, when the cylindrical sleeve is screwed into the metal lining, the end of the metal-lined hose is forced upon, or upset by, the smooth flare of the intermediate section, and a collar having one end section interiorly screw threaded to fit the externally screw threaded body and the opposite end section presenting a smooth substantially cylindrical interior surface fitting loosely over the hose at the end.

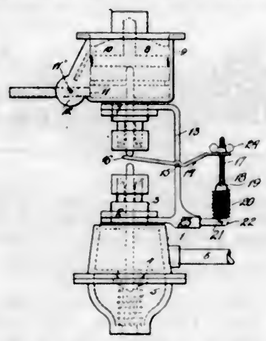
1,580,964. COUPLING FOR METAL-LINED HOSE. LE ROY H. CRANDALL, Roxbury, Mass. Filed Sept. 27, 1924. Serial No. 740,213. 4 Claims. (Cl. 285—87.)



1. A hose coupling comprising a two part sleeve and a cap connection; the said sleeve parts having projections on their interior surfaces, having exterior screw threads at their outer ends so arranged when the parts are closed as to extend in continuity, and having a pair of diametrically opposite extensions projecting longitudinally from the inner end of each with the opposed members of the pairs hinged together on a diametrical axis and providing an opening through the inner end of the sleeve, when the parts are swung sufficiently to bring the projections outside the hose periphery, greater than the cross sectional area of the hose; and the cap connection being threaded internally to screw over the threaded outer end of the closed sleeve.

1,580,965. ADJUSTABLE CONTROL FOR GAS-VALVE-OPERATING MEANS. THOMAS F. CURRY, Los Angeles, Calif., assignor to Hoyt Heater Company, Los Angeles, Calif., a Corporation of California. Filed June 16, 1924. Serial No. 720,468. 4 Claims. (Cl. 236—25.)

1. In a device of the character described, in combination with a gas-valve stem and a stem opposed to said gas-valve stem and operable under hydrostatic pressure, a yoke, a lever fulcrumed thereon, and means for imposing tension upon one end of said lever to cause the other end



of said lever to transmit tension to said hydrostatic-pressure-operating stem, said means being adjustable outside of said yoke.

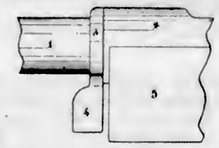
1,580,966. METHOD OF MAKING MOLDED RUBBER ARTICLES, MOLD, AND LUBRICANT THEREFOR. BENTON DALES and WILLIAM S. CABLE, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1924. Serial No. 750,473. 15 Claims. (Cl. 18—53.)

1. The method of preparing surfaces of members contacting with rubber during vulcanization which consists in coating the surfaces at least in part with a substantially water-insoluble composition comprising a wax resistant to absorption in rubber at temperatures of vulcanization.

1,580,967. METHOD OF MAKING MOLDED RUBBER ARTICLES, MOLD AND LUBRICANT THEREFOR. BENTON DALES and WILLIAM S. CABLE, Akron, Ohio assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 17, 1924, Serial No. 750,473. Divided and this application filed Nov. 20, 1924. Serial No. 751,161. 6 Claims. (Cl. 18—53.)

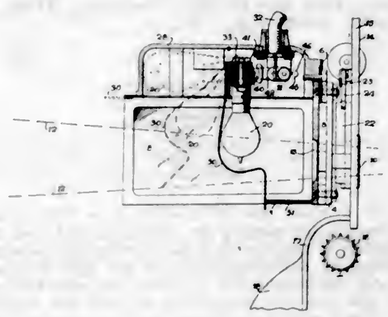
1. The method of preparing surfaces of members contacting with rubber during vulcanization which consists in coating the surfaces at least in part with a substantially water-insoluble composition comprising sugar cane wax.

1,580,968. FIREARM WITH SCREWED BARREL DETACHABLE BY HAND OR PERMANENTLY FIXED. ASCANIO DI BRAZZÀ, Rome, Italy. Filed Jan. 26, 1923. Serial No. 615,054. 7 Claims. (Cl. 42—75.)



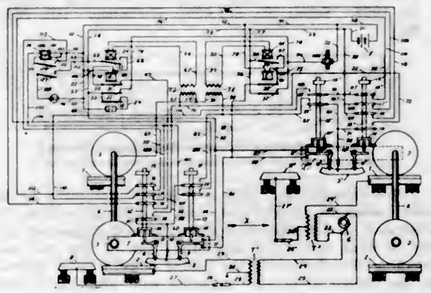
1. Firearms with screwed barrel in which the usual checking collar on the barrel is substituted by a sleeve screwed on the barrel and acting as a lock-nut by being tightened against the receiver when the barrel has been screwed into position, a tooth molded on the external periphery of the barrel base to limit the rotary movement of the barrel on screwing same to the receiver, and an abutment consisting of a screw provided in the receiver, for engaging said tooth.

1,580,969. SAFETY OPERATING ATTACHMENT FOR MOTION-PICTURE MACHINES. AUGUSTO DINA, Jersey City, N. J., assignor to Precision Machine Company, New York, N. Y., a Corporation of New York. Filed Feb. 23, 1925. Serial No. 10,988. 28 Claims. (Cl. 42—75.)



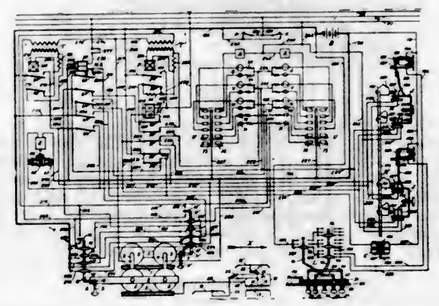
1. In an attachment for a motion picture projecting machine the combination of a pilot lamp, means for lighting the same, a fire shield, means for moving said shield into a position to intercept a light beam from a projecting lamp during a film framing operation, a mechanism cooperating with the means for lighting said pilot lamp and the means for moving said fire shield for moving a fire shutter from in front of the film, a light shield to permit observation of the rays from the projecting lamp of said projection machine during running operations, and a transparent guard mounted at the base of said shield for permitting light to pass to the interior of a projecting machine when the loop door is open and for guiding the film when it is moving in an abnormal path.

1,580,970. AUTOMATIC TRAIN-CONTROL SYSTEM. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Apr. 1, 1916, Serial No 88,365. Renewed Nov. 23, 1925. 116 Claims. (Cl. 246—39.)



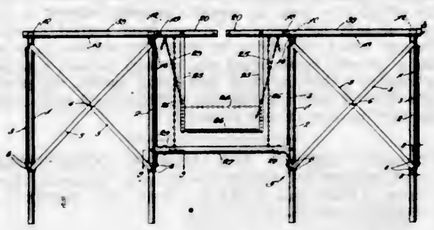
74. In a train control system, the combination with an interlocked signal, trackway means adapted to communicate controlling impulses to the passing vehicle's braking distance in the rear of the signal, a control circuit for said means, and means for causing interruption of said control circuit when the signal indicates stop.

1,580,971. SYSTEM FOR AUTOMATICALLY GOVERNING RAILWAY TRAFFIC. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed July 3, 1916, Serial No. 107,355. Renewed Nov. 23, 1925. 84 Claims. (Cl. 246—180.)



1. In a system for automatically controlling railway vehicles, in combination; means for controlling the movement of a vehicle; a relay for controlling said means; a circuit for governing said relay; means for supplying current to said circuit at different points in the travel of said vehicle; and means governed by said relay for interposing a protective resistance in said circuit when said relay is energized.

1,580,972. ADJUSTING TABLE. JOHN F. KEITHMAN, Chicago, Ill., assignor of one-fourth to William F. Manahan, Yorkton, Canada. Filed June 23, 1923. Serial No. 647,289. 1 Claim. (Cl. 45—50.)

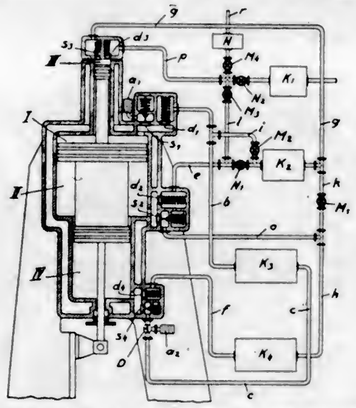


A table of the class described including supporting legs, centrally disposed pins at the upper ends of the legs, top rails having openings to receive the pins, adjustable brace rods, removable head members upon the outer ends of said rods, spaced lugs carried by said head members and said legs and top rails having openings therein to receive the lugs whereby to retain the legs and top rails against movement with respect to each other.

1,580,973. COMPRESSOR. VIKTOR REMBOLD, Kiel, Germany. Filed Nov. 29, 1921. Serial No. 518,640. 2 Claims. (Cl. 230—33.)

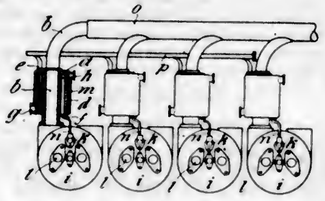
1. A compressor comprising a plurality of compression cylinders, coolers associated with said cylinders, and a conduit system comprising means for connecting said

cylinders through said coolers in a series arrangement of pressure stages from low to high pressure and means for alternatively connecting said cylinders through said



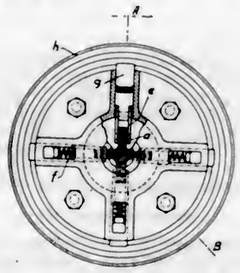
coolers in a parallel arrangement of a less number of stages, for the purpose set forth.

1,580,974. AIR PREHEATER. VIKTOR REMBOLD, Kiel, Germany. Filed Dec. 9, 1921. Serial No. 521,246. 1 Claim. (Cl. 257—241.)



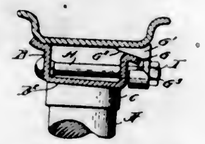
An air preheater comprising a body portion provided with a central passage through which the exhaust gases are adapted to pass, an annular passage formed in the wall of said body portion around said central passage through which the air to be heated is adapted to pass, and a chamber surrounding said annular passage adapted to receive a heating fluid and being spaced therefrom by a wall of heat transmitting material, said wall being the body portion of said preheater.

1,580,975. DEVICE FOR MAKING CORRUGATED CYLINDERS. VALENTIN RETTERATH, Ingolstadt, Germany. Filed Jan. 3, 1924. Serial No. 684,176. 5 Claims. (Cl. 80—1.)



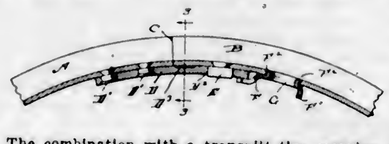
1. A device of the character described for forming longitudinal ribs and grooves in cylindrical bodies, comprising a carrier, movable longitudinally of the cylindrical body, a plurality of roller carrying elements mounted in said carrier for radial movement with respect to the cylindrical body, and a roller supported from each of said elements, each roller having a plurality of circumferential ribs formed thereon.

1,580,976. WHEEL. JAMES H. WAGENHORST, Akron, Ohio. Filed Jan. 17, 1919. Serial No. 271,583. 2 Claims. (Cl. 301—20.)



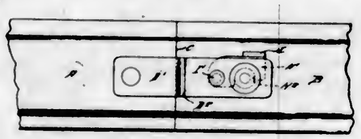
2. In a wheel, the combination of a fixed rim, a demountable tire-carrying rim carried by said fixed rim, a plurality of rim-securing bolts extending transversely of the fixed rim, clamps arranged upon said bolts and engaging said demountable rim to secure the same upon the fixed rim, and nuts screwed on the bolts and engaging said clamps, each of said clamps having an enlarged inner portion presenting an extended bearing surface for the bolt to compel the clamp to move parallel to the axis of the bolt, whereby the full pull of the nut against the clamp is transmitted to the rim.

1,580,977. CONNECTING-PLATE LATCH. JAMES H. WAGENHORST, Jackson, Mich. Filed June 25, 1921. Serial No. 480,387. 2 Claims. (Cl. 301—30.)



1. The combination with a transplit tire carrying rim, of a connecting plate attached to one end of said rim and projecting beyond the said end, said projecting end being apertured, a stud carried by the opposite end of the rim and engaging said aperture, and a latch having an eyelet connection with said rim at the valve stem opening.

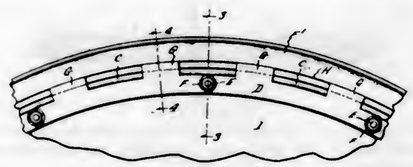
1,580,978. LATCH PLATE FOR TRANSPLIT RIMS. JAMES H. WAGENHORST, Jackson, Mich. Filed Jan. 23, 1922. Serial No. 531,039. 5 Claims. (Cl. 301—30.)



2. The combination with a transplit rim, of a bridge plate connected to one end, and projecting beneath the other end, and having an opening in said projecting portion, a stud carried by the other end of the rim, and engaging the opening in the bridge plate, a latch pivoted to the bridge plate and engaging said stud, said latch having a flange at one side thereof.

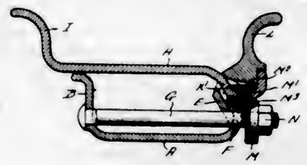
1,580,979. RIM BASE AND DETACHABLE RING. JAMES H. WAGENHORST, Jackson, Mich. Filed Jan. 19, 1923. Serial No. 613,586. 6 Claims. (Cl. 301—11.)

1. A demountable rim comprising a rim base having a tire-engaging flange at one side and an inwardly-inclined portion at the other side, said portion having a plurality of members projecting outwardly from the inner edge thereof and a portion projecting inwardly from the inner edge thereof and provided with a plurality of bolt holes



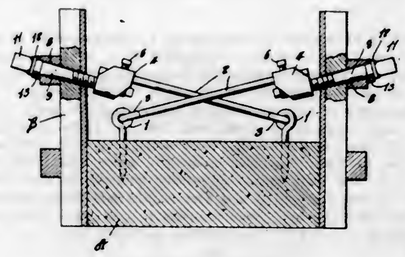
adapted to receive rim-securing bolts, and a detachable side flange ring seating on said inclined portion and the outer ends of said members.

1,580,980. DEMOUNTABLE RIM WITH DETACHABLE RING. JAMES H. WAGENHORST, Jackson, Mich. Filed Aug. 20, 1924. Serial No. 733,073. 5 Claims. (Cl. 301—19.)



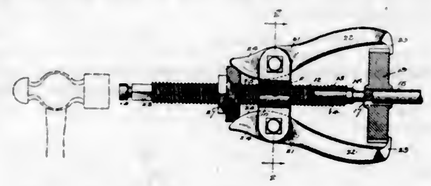
1. In a wheel body, the combination with a fixed rim the front leg of which is flanged, said front leg being recessed at definite points and bolt openings produced in said rim at said recessed points, of bolts passing through the front leg of the fixed rim, a demountable tire carrying rim having a ring receiving groove at the front side, clamping lugs attached to the groove side of the rim at definite points, said clamping lugs being apertured to receive the rim bolts, nuts upon the ends of said bolts, portions of said clamping lugs and portions of the grooved side of the rim base to which the clamping lugs are attached fitting into the recessed portions of the fixed rim.

1,580,981. CONCRETE-FORM CLAMP. GEORGE S. WHITE, Tugalo, Ga. Filed July 9, 1925. Serial No. 42,504. 2 Claims. (Cl. 25—131.)



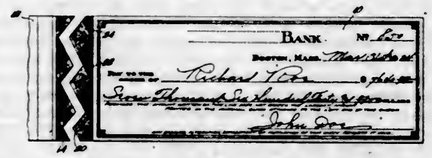
1. A concrete form clamp comprising a rod having an end adapted to be anchored inside of a form, a clamp block having two openings therein one of which is threaded, a set screw adapted to engage the concrete form and the threaded opening in the clamp block and means to secure the rod in the other opening of the clamp block.

1,580,982. GEAR AND WHEEL PULLER. WILLIAM IRVING WOOLDRIDGE, New York, N. Y. Filed Sept. 20, 1923. Serial No. 663,842. 3 Claims. (Cl. 29—85.)



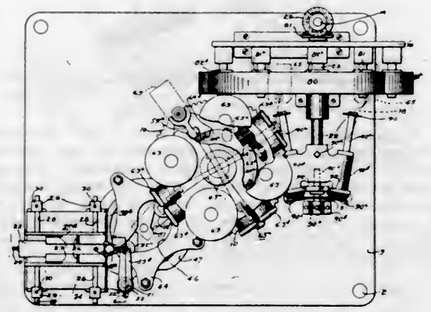
1. In a gear and wheel puller, a yoke having an opening, a sleeve with an outer thread in the opening, means mounted on the yoke for engaging a gear wheel, a nut meshing with the threaded sleeve and having means for operating the first-mentioned means, and a spindle disposed in the sleeve and free therefrom for moving longitudinally thereof when struck by a hammer the spindle being adapted to engage a shaft on which the gear wheel is mounted.

1,580,983. PROTECTED CHECK. CHARLES H. WRIGHT, Brookline, Mass. Filed Sept. 9, 1924. Serial No. 736,721. 10 Claims. (Cl. 283—12.)



1. A form for checks or like instruments having a marginal guard provided with a plurality of sets of ordinate numerals arranged on diagonal parallel lines, the marginal alignment of each set of numerals being parallel with the adjacent set and inclined to the margin of the instrument to cause the guard to be separated upon a series of diagonal lines.

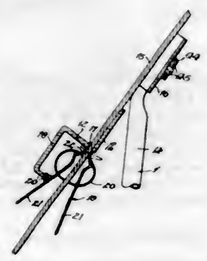
1,580,984. TAG-WIRING MACHINE. IRVIN L. YOUNG, Chicago, Ill. Filed Aug. 18, 1923. Serial No. 658,058. 19 Claims. (Cl. 93—91.)



1. A machine of the character specified comprising a fixed cam having guiding means, a movable cam associated with the fixed cam and having guiding means, a tag engaging spindle engaging said guiding means, spring means urging said spindle to a predetermined position

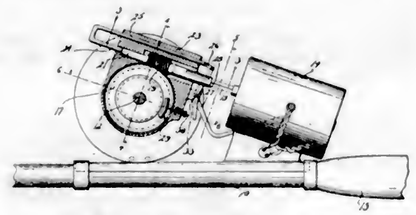
with respect to said first and second-named cams, and means to periodically arrest the movement of said spindle, said spindle being provided with tag engaging means adapted to conduct the tags from a source of supply to a tag working mechanism.

1,580,985. MUSIC-LEAF TURNER. WALTER S. LUKAWSKI and MICHAEL A. ZIELINSKI, Chicago, Ill. Filed Aug. 20, 1921. Serial No. 493,960. 1 Claim. (Cl. 45—121.)



In a device of the character described, a rack including upper and lower cross bars, a central bar having its upper end connected to the upper cross bar and means carried thereby whereby the lower cross bar is adjustably mounted thereon, said means comprising an extension formed on the lower cross bar having an opening through which the central bar extends, a spring clip having pivotal connection with the extension, said spring clip including a substantially cylindrical spring member engaging the arms of the clip, gripping ends adjacent the spring member adapted to normally grip the central bar and gripping and operating members extending divergently from the gripping ends whereby to manipulate the gripping ends for adjusting the lower cross bar on the central bar.

1,580,986. REEL. CHARLES E. ABERSON, Loughman, Fla. Filed Jan. 28, 1925. Serial No. 5,349. 5 Claims. (Cl. 242—84.5.)



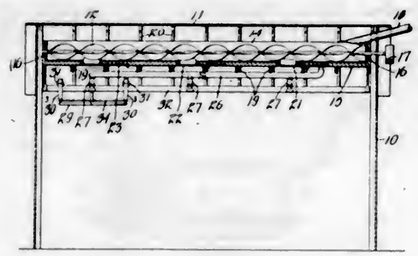
1. In combination, a fishing rod, a reel mounted thereon for rotation, a motor supported on said rod for rotating the reel, means including a manually operable lever for disconnecting the reel from the motor, a brake for checking the rotation of said reel when the latter is separated from the motor, and means operated by said lever for applying the brake at the same time the reel is separated from the motor.

1,580,987. FOUNTAIN PEN. JOSEPH CHURCHILL ALFORD, Maben, Miss. Filed Mar. 5, 1925. Serial No. 13,222. 3 Claims. (Cl. 120—49.)

1. A fountain pen including a casing, an ink barrel mounted to turn in the casing, a pen holder movable longitudinally relative to the barrel, a shield in the casing movable longitudinally relative to the casing, and means operated by the turning movement of the barrel to project and contract the shield so as to enclose the pen when the latter is withdrawn, and other means causing

the pen to be projected by the rotary movement of the barrel and at the same time compelling the shield to be withdrawn.

1,580,988. FEED MIXER. JAMES O. ALLSTOTT, Paoli, Okla. Filed July 28, 1925. Serial No. 46,663. 7 Claims. (Cl. 99—2.)



1. The combination of a storeroom, means for feeding finent solid edible material in successive conical piles on the floor of the room, and means for projecting edible liquid material in drops on said conical piles independently, substantially as set forth.

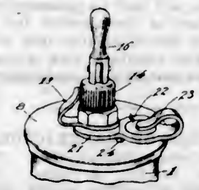
1,580,989. TOWING DEVICE. MELZAR H. ALVORD, Boise, Idaho. Filed Apr. 9, 1924. Serial No. 705,370. 1 Claim. (Cl. 280—33.55.)

In an automobile towing device, a rod, means to secure one end of the rod for attachment to a towing vehicle, a pair of opposed substantially L-shaped members adapted to be placed upon opposite sides of the front axle of an automobile to be towed, means connecting the lower ends of said members beneath the axle, a plate extending across the top of the axle and connecting said members, a bar pivotally mounted upon the plate and having a slot in one end, means pivotally connecting the other end of the bar to the rod and a pin detachably secured upon the steering arm connecting rod and extending through the slot of the pivotally mounted arm.

1,580,990. LUBRICATOR. JEROME J. AULL, Cincinnati, Ohio, assignor to The Lunkenheimer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 25, 1923. Serial No. 614,909. 1 Claim. (Cl. 184—93.)

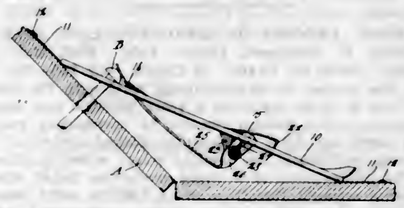
In combination with a lubricator having a lubricant reservoir and an opening for supplying lubricant to the reservoir, a plate rotatably mounted on the lubricator,

said plate having an aperture adapted to register with said opening, a washer in said aperture, the outer portion of said plate bent over on itself to act as a handle



and the extreme end of said bent over portion bearing against the washer to urge the latter against the wall of the lubricator to seal said filling opening.

1,580,991. SLIDING-FOOT-REST ACCELERATOR CONTROL. HARRISON BAILEY, Mount Carmel, Pa. Filed June 12, 1925. Serial No. 36,702. 4 Claims. (Cl. 74—81.)

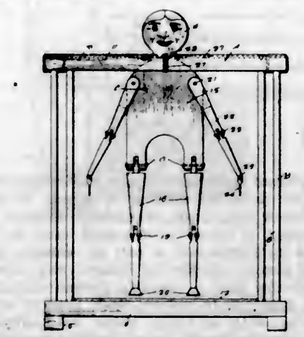


1. An accelerator pedal control device comprising a supporting guide adapted to be mounted upon the floor boards of an automobile adjacent the accelerator pedal and in straddling relation thereto and a foot engaging member slidably mounted upon the guide and having a portion engageable with the pedal.

1,580,992. INSECTICIDE. FRANK W. BARBER, Nashville, Tenn. Filed June 17, 1924. Serial No. 720,658. 2 Claims. (Cl. 167—10.)

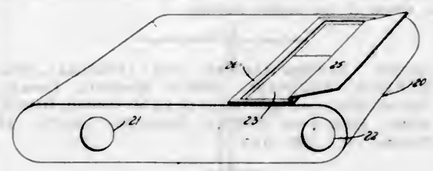
1. A liquid insecticide for spraying animals consisting of the following ingredients in approximately the following proportions: Paraffin oil 75% to 85%, kerosene oil 20% to 13%, naphthalene oil 2% to 1%, oil of citronella 2% to ½%, oil of pennyroyal 1% to ½%.

1,580,993. DANCING DOLL. ALFRED R. BECK, Holcomb, Miss. Filed Sept. 14, 1925. Serial No. 56,321. 3 Claims. (Cl. 46—40.)



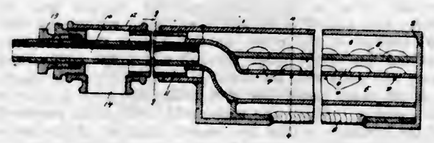
1. A toy comprising a frame including a lower base portion, a sounding board carried by the base portion, a top portion including longitudinal and transverse beams, uprights connecting the top portion to the base portion, a figure arranged centrally within the frame including a body portion, jointed legs secured to the body portion, jointed arms pivotally secured to the body portion and cords drawn taut extending inwardly from the longitudinal and transverse beams of the top portion of the frame secured to the body at the upper end thereof for suspending the doll with its feet in operative relation relative to the sounding board.

1,580,994. NOTE CASE. CLARENCE O. BUNNELL, Vancouver, Wash. Filed Apr. 16, 1923. Serial No. 632,445. 2 Claims. (Cl. 281—7.)



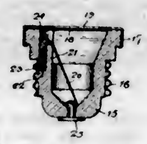
1. In a device of the class described, a casing including inner and outer members, the inner member comprising a shell-like container having a removable side closure, one face of said shell having transversely extending longitudinally spaced slots and its opposed face provided with similar slots out of register with the first-mentioned slots, paper carrying cartridges mounted in said inner member and arranged in pairs, one to receive the paper strips fed from the other, the paper strips so fed being threaded through the slots in the shell, said cartridges having keys at one end for turning them, the outer casing being open at one side to receive the inner shell and provided in its opposed sides with openings to receive the operating keys of the cartridges, a closure for said open side equipped with similar cartridge-receiving openings, said outer casing being provided in its opposed faces at opposite ends with openings to overlie the exposed portion of the paper strip to permit writing on said strip through said opening.

1,580,995. GAS BURNER. WILLIAM P. CAPPS, Shreveport, La. Filed Oct. 31, 1924. Serial No. 747,096. 2 Claims. (Cl. 158—106.)



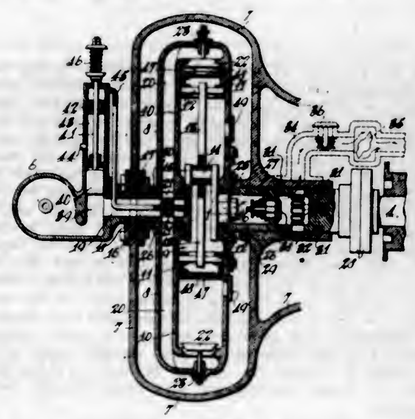
1. A burner including a steam conduit having jet apertures in its wall, an air chamber entirely surrounding the steam conduit and having ports in its wall in alignment with said jet apertures and a gas compartment partly surrounding the air chamber and having nipples in communication with the interior thereof and arranged opposite the jet apertures and the ports in the wall of the air chamber, the said air chamber having an opening for the entrance of air, said steam compartment and gas compartment being closed at one end and provided at their opposite ends with conduit connections.

1,580,996. FUSE PLUG. LEWIS D. CHRISTIE, Trumbull, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 15, 1924. Serial No. 732,224. 8 Claims. (Cl. 200—130.)



1. A fuse plug comprising a center contact provided with a pointed shank, a fuse strip, and a soft metal engaging one end of the fuse strip and penetrated by the shank of the center contact.

1,580,997. SUPERCHARGER FOR INTERNAL-COMBUSTION ENGINES. GEORGE HARFIELD CONRAD, Helena, Mont., assignor to Kathryn M. Conrad, Helena, Mont. Filed June 30, 1924. Serial No. 723,397. 11 Claims. (Cl. 230—31.)



1. A supercharger for internal combustion engines comprising a casing, a crank shaft stationarily mounted in said casing, a rotor rotatably mounted on said crank shaft and containing a cylinder, a piston within said cylinder and a connecting rod between said piston and said crank shaft, an inlet valve in the cylinder and a by-pass valve in the piston whereby charges may be drawn into the cylinder and compressed within the central portion of the rotor, an outlet duct from the central portion of the rotor through which the compressed gases are delivered, an inlet duct to the cylinder head, a cutoff valve associated with said inlet duct to govern the passage through the same, and mechanism governed by the pressure within the central chamber of the rotor for manipulating said cutoff valve substantially as shown and described.

1,580,998. BELT. FRED A. CROCKER, Lincoln Center, Me. Filed Oct. 9, 1922. Serial No. 593,450. 2 Claims. (Cl. 74—62.)

1. A link for a flexible belt, comprising a flat body of flexible material having its lateral edges converging from one end of the body to the other whereby the body is tapered from end to end, the body being formed in its broader end portion with a longitudinally extending slot, the said body being also formed in its said lateral edges between said slot and its narrower end, with oppositely located slots to accommodate the side walls of the first mentioned slot of another link when said narrower end of the first mentioned link is inserted through said first mentioned slot of said other link.

1,580,999. PROCESS OF MANUFACTURING YEAST. HENRY W. DAHLBERG, Denver, Colo. Filed June 8, 1922. Serial No. 566,857. 9 Claims. (Cl. 195—20.)

1. In the process of making bakers' yeast with the use of waste water as a yeast nutrient, the steps which consist in adding to a mash which is deficient in yeast food and as a yeast nutrient therefor the waste water resulting from the desugarizing of beet molasses when sugar is removed therefrom as an alkaline earth metal saccharate by addition of an alkaline earth metal compound, adding yeast and maintaining conditions conducive to yeast propagation.

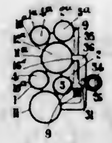
1,581,000. PROCESS OF MANUFACTURING YEAST. HENRY W. DAHLBERG, Denver, Colo. Filed Mar. 5, 1925. Serial No. 13,400. 15 Claims. (Cl. 195—20.)

1. The process of manufacturing yeast with the periodic use of waste water as a yeast nutrient and mash regulator, which process consists in propagating yeast in a mash, and from time to time adding portions of a solution containing the alkaline waste water produced in the desugarizing of a sugar containing liquid when sugar is removed therefrom as an alkaline earth metal saccharate by addition of an alkaline earth metal compound.

1,581,001. PROCESS OF MANUFACTURING ALCOHOL BY FERMENTATION. HENRY W. DAHLBERG, Denver, Colo., assignor to The Great Western Sugar Company, Denver, Colo., a Corporation of New Jersey. Filed Mar. 21, 1925. Serial No. 17,441. 7 Claims. (Cl. 195—20.)

1. The process of manufacturing alcohol, which process consists in fermenting a mash by yeast and beet extractive matter containing an organic nitrogen compound and including substantially all of the beet extractive matter of beet molasses but substantially no commercially recoverable sugar, and recovering the alcohol formed.

1,581,002. INTERNAL-COMBUSTION ENGINE. JOHN DAVIDSON, Tutbury, England. Filed Apr. 11, 1924. Serial No. 705,916. 4 Claims. (Cl. 123—53.)

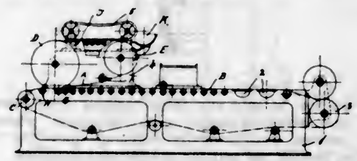


2. In an internal combustion engine the combination of a plurality of pairs of working cylinders, each pair having a common combustion chamber, a working piston in each cylinder, a plurality of pumps each having a piston, means to reciprocate a pair of working pistons and a pump piston together in unison, and means to reciprocate another pair of working pistons and another pump piston together in unison, each pair of working pistons moving with a pump piston substantially to balance the dynamic forces of the said other pistons, a mechanically operated valve to time the supply of fuel from each pump to one cylinder of each pair, and an exhaust port in the other cylinder of each pair.

1,581,003. TWISTING DEVICE. EUGENIO N. DE ALCOCER and FRANCISCO O. DE ALCOCER, Mexico City, Mexico. Filed Aug. 29, 1924. Serial No. 735,043. 10 Claims. (Cl. 117—1.)

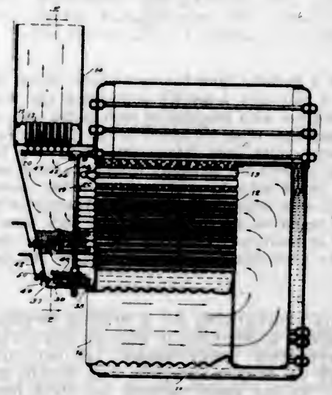
1. A twisting device of the character described comprising a rotary thimble like driving element, means on said driving element for associating therewith one end of the strands of the material to be twisted, said driving element being split to provide a series of fingers for spring fitting said driving element over the end of a driving shaft.

1,581,004. MACHINE FOR THE MANUFACTURE OF PAPERS SIMILAR TO DIPPED WATERMARK PAPERS. PAUL ERKENS, Niederau, near Duren, Germany. Filed Oct. 4, 1923. Serial No. 666,605. 3 Claims. (Cl. 92—38.)



2. Machine for making water-mark paper comprising a frame, a Fourdrinier wire adapted to be shaken, means on said frame for moving and supporting said Fourdrinier wire on said frame, a second Fourdrinier wire arranged above said first wire, provided with markings and adapted to be shaken in conformity with said first wire at the point where said wires meet, means for supplying pulp to that reach of said second ring which is moving in opposite direction to said first wire and means for moving that second wire in the same direction as said first wire.

1,581,005. TUBE CLEANER. JOHN J. MCANDREWS, San Diego, Calif. Filed Dec. 12, 1922. Serial No. 606,466. 4 Claims. (Cl. 122—39.)

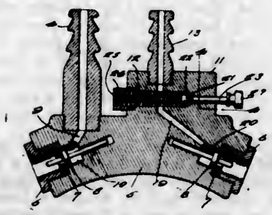


1. A boiler tube cleaner, comprising a plurality of sets of headers, a plurality of nozzles carried by each header, a hollow base connected with the lower ends of said headers, a supply steam pipe extending into one end of said base, there being a sliding connection between the supply steam pipe and the base, means for moving the base transversely of the boiler, a fixed plate overlapping part of the base for preventing the base from leaving its normal position and swinging outwardly, and a rod co-acting with the upper end of said headers for preventing the headers from swinging away from said boiler at the upper end.

1,581,006. FASTENING DEVICE. MATTHEW J. MCCLARENCE, Taunton, Mass., assignor, by mesne assignments, to Evans Stamping & Plating Company, Taunton, Mass., a Corporation of Massachusetts. Filed Mar. 3, 1923. Serial No. 622,484. 1 Claim. (Cl. 40—20.)

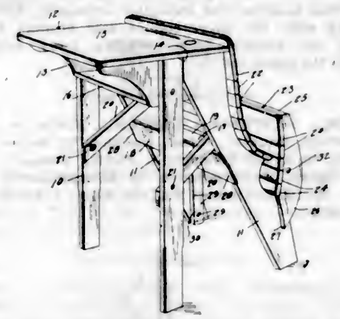
The combination of an attaching plate and a holding plate having a rectangular aperture therethrough and lips extending rearwardly from two sides of said aperture, said attaching plate having two arms converging toward each other, extending through said aperture and engaging said holding plate at the edges of said aperture and said lips lengthwise thereof whereby to secure said attaching plate against angular displacement, said arms having lateral end-extensions engaging the ends of said lips whereby said attaching plate is fixedly secured to said holding plate.

1,581,007. AIR-PRESSURE-TESTING DEVICE FOR PNEUMATIC TIRES. ERNEST H. MCFARLAND, Louisburg, N. C., assignor of one-half to J. A. Hodges, Louisburg, N. C. Filed Mar. 16, 1925. Serial No. 16,070. 1 Claim. (Cl. 152—11.5.)



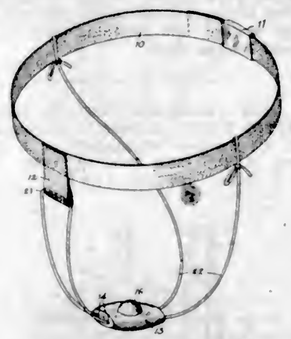
A device for the purpose set forth, comprising a head having an air passage therethrough connected to an air gauge and normally closed by a valve which is designed to be unseated by contact with the valve stem of a tire valve, said head having a transverse chamber entering from one of its ends and intersecting the passage, the inner wall of the chamber being depressed to form a valve seat, and the said head, from the center of the said depressed portion having a round opening therethrough, a normally seated spring influenced valve in the chamber, a ported stem therefor extending through the last mentioned opening, and a cap member adjustably secured in the mouth of the chamber and contacting with the spring which influences the valve.

1,581,008. DESK AND SEAT CONSTRUCTION. JAMES L. MCNAIR, Hartsville, S. C. Filed Dec. 13, 1923. Serial No. 680,494. 3 Claims. (Cl. 155—87.)



1. An article of furniture having inclined legs, supporting bars secured to the legs at their inner surfaces, a seat having end bars pivoted to the supporting bars adjacent the upper ends of the latter, in offset relation to the legs, filler blocks on the inner surfaces of said end bars, said legs being cut away adjacent the pivots to permit movement of the inner ends of said blocks, a stop means at the rear of the legs projecting beyond the sides thereof, and said end bars being extended beyond the blocks to engage the stop means.

1,581,009. TRUSS. THOMAS MCSHERRY, Long Branch, N. J. Filed Oct. 3, 1924. Serial No. 741,447. 3 Claims. (Cl. 158—87.)

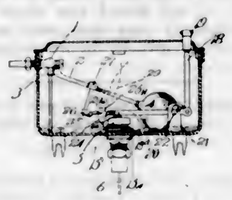


1. In an ano-rectal truss, a pad element comprising a base provided with a threaded socket and a plurality of apertures extending entirely through the base for receiving binding members, and an obturator formed with a rounded contact surface and a threaded portion normally screwed into said socket.

1,581,010. FISHING TOOL. WILLIAM H. MURRAY, Shreveport, La., assignor of one-half to Superior Iron Works, Inc., Shreveport, La., a Corporation of Louisiana. Filed Dec. 3, 1924. Serial No. 753,723. 3 Claims. (Cl. 155—87.)

1. A fishing tool of the character described comprising a tubular casing tapered from an appropriate point in its length toward the lower end thereof, an extension threaded into the upper end of the casing, a slip arranged within the casing and including a tubular body portion having a diameter less than the greatest diameter of the tubular casing, whereby the slip is permitted both sliding and tilting movements within the casing, an extension depending from the lower end of the slip and curved to conform to the curvature of said casing, teeth formed on one side of said extension, the body portion of said slip being tapered toward its lower end, and semi-cylindrical grips arranged within said body portion and normally reposing upon the tapered portion thereof, as and for the purpose specified.

1,581,011. FLUSHING CISTERN. WILLIAM CHARLES DINGEY NORTH, Dunedin, Otago, New Zealand. Filed Jan. 20, 1925. Serial No. 3,662. 4 Claims. (Cl. 4—53.)

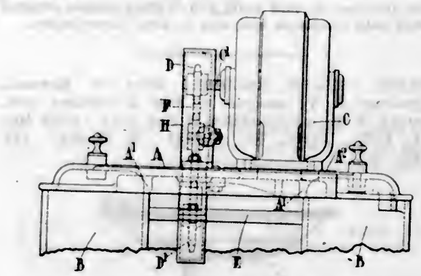


1. In a flushing tank having an inlet valve, an outlet valve, a ball cock lever for controlling the inlet valve in accordance with the level of fluid in the tank, a manually operatable lever connected to and adapted to operate the outlet valve, and means carried by the ball cock lever to support the manually operatable lever and thereby the outlet valve in open position during movement of the ball cock lever incident to the lowering of the level of the liquid in the tank, said ball cock lever carried means automatically releasing the manually operatable lever at a predetermined liquid level in the tank.

1,581,012. OBTAINING BY A SINGLE OPERATION A CORRECT EXPOSURE OF PLATES AND CYLINDERS COMPRISING HALF-TONES ACCOMPANIED BY TEXT OR LINE DRAWINGS FOR HELIO ENGRAVING. LUCIEN LÉON PHILIPPE and HANS LUGINBUHL, Paris, France. Filed May 7, 1925. Serial No. 28,728. 2 Claims. (Cl. 95—5.)

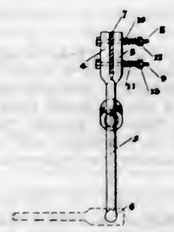
1. A photographic diapositive for use in the heliographic process, consisting of a glass plate, part of the surface which is coated with a gelatine film bearing a half tone image and part of which is uncoated with such film, and has attached to it a sheet of transparent material having text printed thereon, the said gelatine film being tinted, while the text bearing sheet is untinted.

1,581,013. NOBLE'S COMBING MACHINE. WILLIAM PRINCE-SMITH and DAVID WATERHOUSE, Keighley, England. Filed Nov. 12, 1925. Serial No. 68,720. 6 Claims. (Cl. 19—123.)



1. Driving means for a Noble's combing machine having pillars, comprising a unitary structure constructed for direct attachment to said pillars and characterized by a base-plate shaped so as to be complementary to said pillars, an electric motor carried by said base-plate, and means connecting said electric motor drivably with said combing machine.

1,581,014. STEERING MECHANISM FOR AUTOMOBILES. ERNEST RABA, Pawnee, Okla. Filed July 12, 1923. Serial No. 651,101. 4 Claims. (Cl. 280—95.)

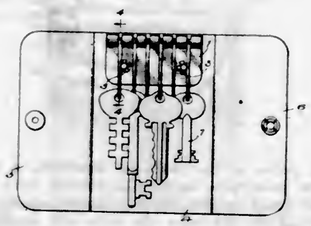


1. In steering mechanism for automobiles the combination with the steering shaft and the rod connected to the stub axle, of an upwardly extending arm secured to the steering shaft, an arm yieldingly secured at its upper end to the upper end of said upwardly extending arm and extending downward through the line of the axis of the steering shaft and having its lower end provided with means for connecting it to the rod connected to the stub axle.

1,581,015. KEY HOLDER. JOHN A. RAFFERTY and LAWRENCE M. TAYLOR, Camden, N. J. Filed July 12, 1924. Serial No. 725,666. 2 Claims. (Cl. 150—40.)

1. A key holder comprising a hollow metal socket substantially T-shaped in cross section, the shank portion being double walled and adapted to straddle a support received between said walls, a plurality of apertures in the head of said T-shaped member, and U-shaped spring wire key retainers having means at their free ends for detachably securing them in said socket, said means being entered through said apertures and adapted to swivel therein.

1,581,016. HOLDER FOR KEYS. DANIEL I. REITER, New York, N. Y., assignor to Buxton, Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1922. Serial No. 580,747. 3 Claims. (Cl. 150—40.)

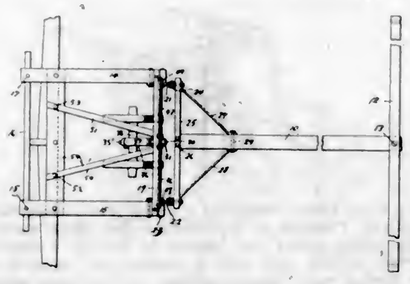


1. A key holding device which includes a flexible folder and a plate, the latter having a slot therein adjacent one edge and an angularly turned portion terminating with an enlarged portion at the end of said slot, the portion of the plate adjacent said edge being bent around so that the enlarged portion of the slot is located at the rear of the plate, a key supporting element having an enlarged head to be inserted in the enlarged portion of said slot and then moved to lie in the smaller portion of the slot, and a folder to which said plate is fastened, the rear portion of the plate having the enlarged portion of the slot therein adapted to lie against the folder to substantially close the slot, whereby the element supporting the keys can move and rotate in the slot but is prevented from being removed therefrom.

1,581,017. TRUCK FOR CULTIVATORS. WILLIAM P. REMSBURG, Adaza, Iowa. Filed Aug. 31, 1925. Serial No. 53,701. 2 Claims. (Cl. 280—83.)

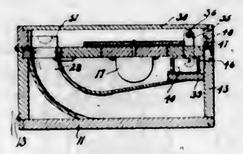
1. A device of the class described, comprising spaced side bars, draft devices connected with the forward portions of the bars, draft means connected with the rear portions of said bars and extending laterally therefrom, a standard including a lower rearwardly deflected portion and a vertical portion, the vertical portion being adjustable vertically with reference to the side bars, draft means, ground wheels, and an axle therefor, and means for mounting the axle on the deflected portion of the standard, these means comprising an element having a bore extending transversely thereof for receiving the

axle, a bore extending upwardly and forwardly with reference to the axle, means retaining the vertical standard in an adjusted and fixed position with reference to the



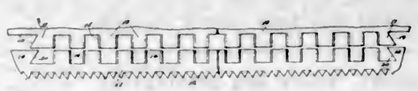
side bars, and means for retaining the lower deflected portion of the standard in an adjusted position with reference to the axle and the ground wheels.

1,581,018. PORTABLE TALKING-MACHINE CASE. WILLIAM RIMKE, Berwyn, Ill. Filed Sept. 1, 1923. Serial No. 660,569. 1 Claim. (Cl. 45—52.)



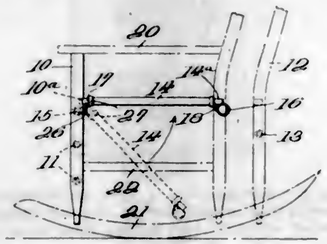
In a device of the character described, a rectangular box like receptacle having its bottom, both sides and one end closed and its top and one end open, a plurality of sections secured upon the sides and constituting the top, one of said sections being temporarily secured whereby to be removable, a cover hinged upon said closed end and carrying pivoted catches, the forward section of the top being slotted for the reception of said catches, retaining studs projecting inwardly from the sides below said slots and with which said catches engage, and a removable member for closing the open end equipped with locking means engaging said cover.

1,581,019. DETACHABLE TOOTH SECTION FOR SAW BLADES. WILLIAM JAMES ROE, Newburgh, N. Y. Filed Apr. 28, 1925. Serial No. 26,454. 4 Claims. (Cl. 143—139.)



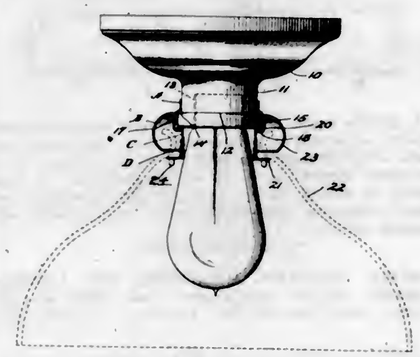
1. A saw comprising a blade having a body section, a detachable tooth section, and detachable means of connection therebetween, consisting of longitudinally spaced mating fingers on the body and tooth section, the side edges of the alternate fingers of each section being oppositively beveled whereby to define between the fingers of one section substantially dovetail shaped receiving notches for the fingers of the opposite section, whereby when the sections are connected by engaging the fingers in mating relation the said sections are maintained against lateral and longitudinal relative movements.

1,581,020. CHAIR ASSEMBLY. HARRY LEWIS RUSSELL, Keene, N. H., assignor to C. L. Russell and Sons, a Partnership comprising Harry L. Russell, Keene, N. H., and George T. Russell, West Swanzey, N. H. Filed Oct. 7, 1925. Serial No. 61,003. 3 Claims. (Cl. 155—196.)



1. In a chair construction, an assembled front standard of posts and transverse rungs, a seat, brackets pivotally supporting said seat from one of said rungs in a plane offset from the axis of the rung, a rear standard adapted to be attached to said seat, and bracing means adapted to hold said standards and seat in fixed interrelation.

1,581,021. SHADE HOLDER. MARK N. RUSSELL, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Solvay, N. Y., a Corporation of New York. Filed May 14, 1923. Serial No. 638,981. 5 Claims. (Cl. 240—133.)

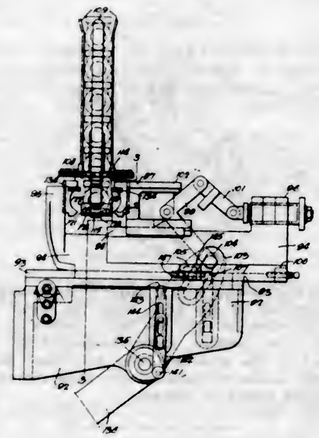


1. The combination with a lamp receptacle having an external annular shoulder, of a screw ring having an internal annular shoulder, a second screw threaded member adapted to draw said shoulders together, said second member having an inturned annular flange adapted to engage the end of the receptacle, and means associated with said second member for supporting a shade.

1,581,022. AUTOMATIC TAPPING MACHINE. JOHN R. SAYLOR, Pottstown, Pa. Original application filed June 29, 1923, Serial No. 648,526. Divided and this application filed June 14, 1924. Serial No. 720,086. 20 Claims. (Cl. 10—162.)

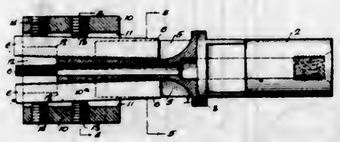
5. In combination, a magazine having discharge apparatus comprising forwardly extending spaced members constituting guideways, angle members having corresponding sides secured to the end portions of said guideways, the other sides constituting base portions for said guideways, said base portions being provided

with perforations, centering pins mounted on supporting members and positioned to extend up through said perforations, means for resiliently securing said pins in



said latter position, and a movable chuck having relatively movable jaws, said base portions being so spaced as to permit the passage therebetween of said movable chuck.

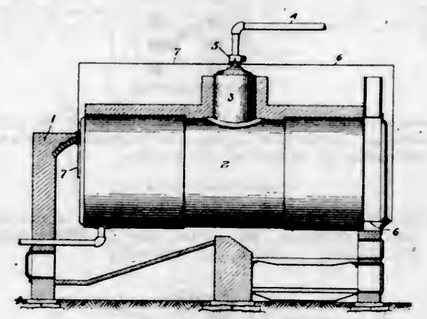
1,581,023. THREADING DIE. JOHN R. SAYLOR, Pottstown, Pa. Filed May 18, 1925. Serial No. 31,112. 3 Claims. (Cl. 10—142.)



1. The combination in a threading die, of a slotted body portion having a threaded projection; a slotted shell secured to the body portion and enclosing the threaded projection; a series of chasers mounted in the slots of the body and shell and engaging the threads on the projection; and two sets of screws, one set locking the chasers to the body, and the other set being arranged to adjust the chasers towards and from the center of the die.

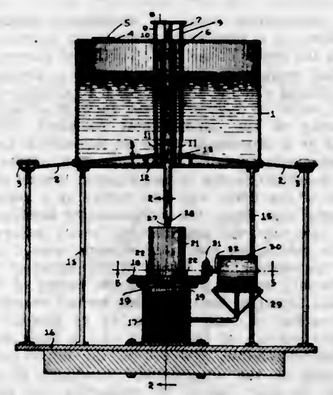
1,581,024. METHOD AND APPARATUS FOR ELIMINATING SCALE IN FLUID CONTAINERS. KARL SCHNETZER, Aussig-Schreckenstein, Czechoslovakia, assignor to Antiscale Limited, York, England. Continuation of application Serial No. 668,191, filed Oct. 12, 1923. This application filed July 25, 1924. Serial No. 728,278. 4 Claims. (Cl. 204—25.)

1. The method of protecting metallic surfaces in contact with a body of fluid against formation and adhesion of scale thereon which comprises including the metallic surface in a metallic electric circuit, causing electric current to flow in said circuit so formed while maintaining across that part of said metallic surface that is included in said circuit a voltage below that which will cause appreciable electrolytic corrosion of the metallic



surface beyond what would normally occur in the absence of said voltage, and thereby preventing the formation and adhesion of scale on said surface.

1,581,025. AUTOMATIC HEAT CONTROL FOR TOBACCO ROOMS. JAMES L. SCHOLL, Powellsville, N. C. Filed June 4, 1925. Serial No. 34,892. 4 Claims. (Cl. 236—46.)

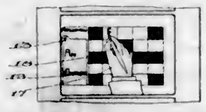


1. In an automatic heat control for tobacco drying rooms, the combination with a fuel tank having radiating pipes near its bottom with exteriorly disposed heating elements, of slide valves for adjacent ends of said pipes with maximum and minimum size openings registerable with said adjacent ends of the pipes, and thermostatically controlled means for governing the positions of the valves to register the maximum or minimum openings with the ends of the pipes to permit a general or minimum flow of fuel to the heating elements.

1,581,026. METHOD OF PRESENTING AN ANIMATED-PICTURE PUZZLE. ISADOR SCHWARTZ, New York, N. Y. Filed Dec. 18, 1924. Serial No. 756,777. 4 Claims. (Cl. 88—16.)

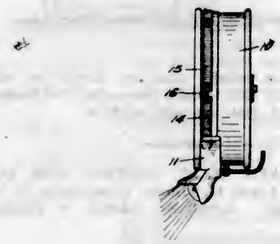
1. The method of presenting an animated picture puzzle comprising the progressive steps of exhibiting a chart containing spaces of desired outline and having index

numerals, exhibiting a puzzle writing having an exponent numeral agreeing with an index numeral, picturing an index finger as pointing first to the exponent



numeral then to the index numeral indicating the place where an answer will appear, and producing a drawing symbolizing an answer to said writing.

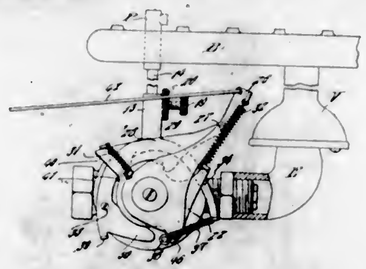
1,581,027. HEADLIGHT. ALVONI GUY ALEXANDER SHAW, Baltimore, Md. Filed May 5, 1923. Serial No. 636,952. 1 Claim. (Cl. 240—41.)



The combination with an automobile headlight of usual form, of a supplemental headlight attachment disposed in the center of the lower portion of the main headlight and comprising a casing having a semi-spherical cavity formed therein and disposed at a downward and forward angle of inclination, the forward extremities of the casing of the supplemental headlight being also disposed at a downward angle of inclination similar to the semispherical cavity, the upper wall of the supplemental headlight casing being projected beyond the front terminal of the lower wall and formed as a hood to prevent light rays from the supplemental headlight from flaring upwardly, the semispherical cavity having a convex lens serving as the front closure thereof, a downwardly inclined lighting means at the center of the rear wall thereof, the top portion of the casing of the supplemental headlight having a seat formed therein of the same contour as, and adapted to fit closely against, the lower portion of the casing of the main headlight, and fastening means attached to the upper portion of the casing of the supplemental headlight at opposite sides of the seat therein for embracing and removably securing the supplemental headlight to the main headlight.

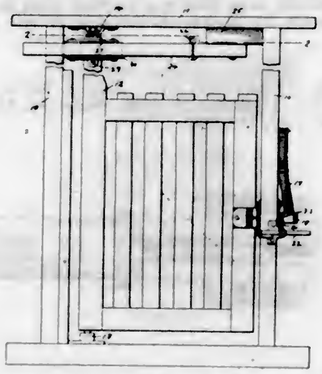
1,581,028. VALVE. JOHN ELMER SHEAFFER, Louisville, Ky. Filed Aug. 22, 1925. Serial No. 51,782. 6 Claims. (Cl. 137—139.)

3. A valve comprising a casing, a rotatable valve member therein, a lever fast upon the stem of the valve, a tooth extending from one edge of the lever, a pivotally mounted actuating lever, an actuating dog carried thereby, a tooth extending from one edge of the dog to engage the tooth of the valve stem lever, means to yieldingly hold the actuating dog and valve stem lever in engaged position, whereby movement of the actuating lever in one direction will move the valve member to open position, a locking dog, a tooth carried by the locking dog, a lug extending at right angles from the valve stem lever in the path of and engaged by the tooth of the locking dog to hold the valve in open position, means carried by the locking dog for engagement by the actuating dog to disengage the locking dog from the valve stem lever upon continued movement of the actuating lever, means to automatically return the valve member to closed position when the valve stem lever is released and means to limit pivotal movement of the levers in one direction.



6. The combination with a valve, of an actuating lever, means operated by the lever when the latter is moved in one direction to open the valve, means to hold the valve in open position, means controlled by continued movement of the actuating lever to release the holding means and means to automatically close the valve when said holding means is released.

1,581,029. DOOR AND GATE ATTACHMENT. LEONIDAS C. SMITH, Polkton, N. C. Filed Mar. 5, 1925. Serial No. 13,324. 1 Claim. (Cl. 16—80.)



The combination with a pivoted closure, of means for holding the same fully opened, or returning it from a partly opened to a closed position, said means including a pair of pivoted arms arranged horizontally above the closure, resilient means connecting said arms and normally holding the latter parallel, a bracket including spaced superimposed plates of elliptical contour, and having alined square openings centrally thereof to accommodate the pivot of said closure, depending lugs projecting from the lowermost plate and adapted to be secured to the pivot, and rollers journaled between said plates and projecting beyond the ends thereof, and arranged to operate between said arms for the purpose specified.

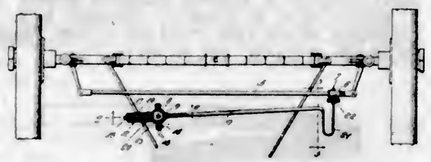
1,581,030. PROCESS OF FORMING SULPHITE OF LEAD. STANLEY COCHRAN SMITH, London, England. Filed Sept. 3, 1925. Serial No. 54,335. 1 Claim. (Cl. 23—129.)

A process of forming sulphite of lead from ores, concentrates or residues containing lead by first converting the lead thereof into lead chloride, separating such lead chloride from the other dissolved constituents, suspending the lead chloride in an aqueous liquid containing a basic compound of a metal which forms a soluble sulphite, and a chloride of such metal, agitating the suspension and passing sulphur dioxide through it until the lead of the lead chloride has been converted into lead sulphite.

1,581,031. PROCESS OF MAKING LEAD SULPHATE. STANLEY COCHRAN SMITH, London, England, assignor of one-half to Frank Edward Elmore, Three Fields, England. Filed Oct. 12, 1925. Serial No. 62,126. 5 Claims. (Cl. 23—127.)

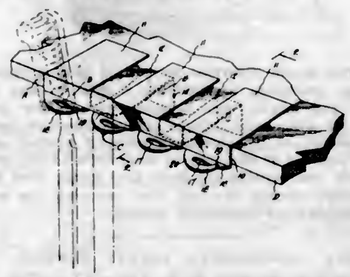
1. A process of converting lead chloride into lead sulphate which consists in causing the chloride to react with zinc sulphate to produce lead sulphate and zinc chloride and removing the lead sulphate from a solution of the zinc chloride which contains more than about 20 per cent of zinc chloride.

1,581,032. STEERING MECHANISM FOR AUTOMOBILES. WESLEY H. SMITH, Little Rock, Ark. Filed Jan. 16, 1925. Serial No. 2,861. 2 Claims. (Cl. 280—95.)



2. In a steering link for automobiles, a rod-like element having an integral gooseneck of greater resiliency than the remainder of the element, means for connecting the end of the gooseneck to a tie rod, substantially as described.

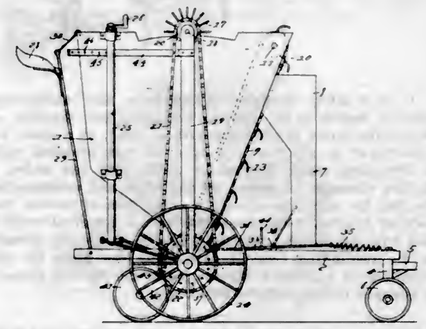
1,581,033. TOOTHBRUSH RACK. GEORGE J. SNYDER, Jersey City, N. J. Filed Dec. 5, 1923. Serial No. 678,735. 1 Claim. (Cl. 248—49.)



As a new article of manufacture, a toothbrush rack, comprising a vertical wall having upper and lower fingers projecting rearwardly from the wall, the lower finger being bent downwardly and then rearwardly from the upper edge of the wall and formed with a depending apertured terminal, a forwardly bent portion extending from the lower edge of said wall, said portion being slotted laterally from one end to define a suspension hook for a brush.

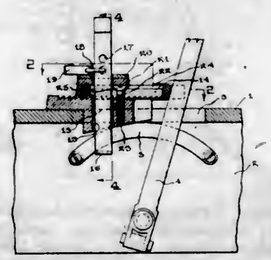
1,581,034. MANURE DRILL. JOHN C. STANLEY and RICHARD A. EVANS, Vian, Okla. Filed June 2, 1923. Serial No. 642,956. 1 Claim. (Cl. 275—2.)

A machine for the purpose indicated comprising a hopper, a discharge chute or spout carried by the forward end of the hopper, an elevator traversing the hopper and discharging into the chute, a gate controlling the discharge from the mouth end of the chute, a pulverizing roll mounted at the top of the hopper in close proximity to the elevator, supporting members disposed on opposite sides of the hopper, the pulverizing roll having a shaft journaled in the upper ends of said supporting members and the latter being pivotally mounted at the axis of one of the elevator supporting rolls, and



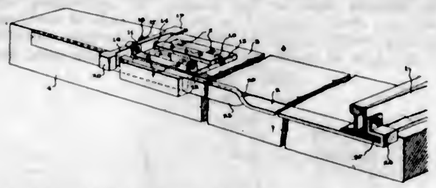
an adjusting bar carried by one of the supporting members and having a spring tendency toward the side wall of the hopper, said bar being provided with a plurality of holes and the hopper being provided with a pin with which said holes are selectively engageable, whereby the position of the pulverizing roll with reference to the elevator may be varied.

1,581,035. AUTOMOBILE LOCK. THOMAS J. STEPHENSON, Montrose, Calif. Filed July 21, 1925. Serial No. 45,030. 3 Claims. (Cl. 70—131.)



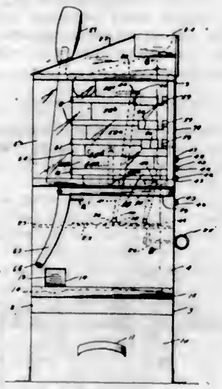
1. A locking device for a mechanism having a lever swingable along a slot in a stationary member, said locking device comprising a base section having a reduced lower end portion fitting in said slot in the stationary member between an end of said slot and said lever, an upper section adapted to be superimposed on said base section, said upper section and said base section having cooperative teeth on the adjacent faces thereof for holding said upper section against sliding on the base section in the direction opposite said lever, said base section having a vertical opening in the portion thereof which is in line with said slot in the stationary member, and said upper section of the block having a longitudinal slot with which said vertical opening in the base section is in alinement, and a clamping screw extending through said slot in the upper section into said base section, said screw being adjustable to clamp the upper section tightly to the base section or to permit the upper section to be slid on the base section toward said lever, as desired.

1,581,036. SWITCH SAFETY APPLIANCE. PETER STOLLE and LENN A. MANLEY, Monett, Mo. Filed Nov. 27, 1925. Serial No. 71,685. 5 Claims. (Cl. 246—448.)



1. In a safety appliance for switches, the combination with a switch point and an actuating bar therefor of which the latter is provided with a notch, of a plate for securement to the top face of a tie and provided with a depending guide channel in which said bar slides, a locking element fulcrumed on the plate and overhanging the bar for engagement with a notch formed therein, the locking element being provided with a terminal weight, and with an opening registerable with an opening formed in an upstanding element carried by the plate for the reception of a locking shackle when the locking element is engaged in the notch of said bar.

1,581,037. CHANGE-MAKING AND FARE-COLLECTING MACHINE. JOSEPH S. STRICKLER, Aliquippa, Pa. Filed Oct. 8, 1920. Serial No. 415,662. 5 Claims. (Cl. 194—75.)

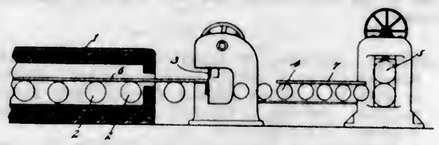


1. A machine of the class described having coin ejecting mechanism, coin-operable relatively movable slides to actuate said mechanism, and a return frame for said slides comprising articulate parts surrounding the slides jointly with the lever.

1,581,038. FIRE DOOR. ROBERT ARTHUR THOMPSON, New Orleans, La. Filed July 23, 1925. Serial No. 45,645. 5 Claims. (Cl. 189—46.)

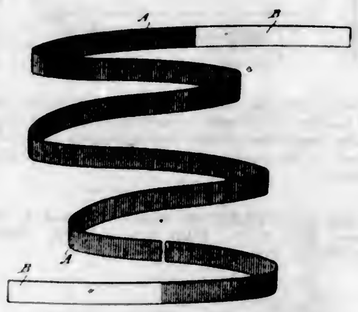
1. The herein described heat resisting slab comprising a plurality of layers of compressible fibrous bagasse material constituting a central unit; continuous means to reinforce said central unit; a pair of side units each including a layer of compressible fibrous bagasse material; and a metallic covering rigidly secured to said side units and to said reinforcing means and surrounding all of said layers.

1,581,039. PROCESS IN ROLLING HOT METAL. JOHN B. TITUS, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed May 1, 1923. Serial No. 635,987. 3 Claims. (Cl. 80—3.)



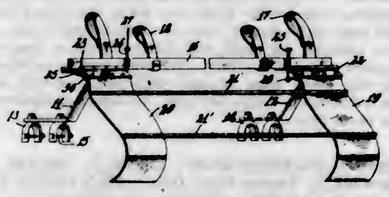
1. A process of rolling plates and sheets which consists in passing long pieces, resulting from a preceding stage of roll reduction, through a furnace, cutting said pieces into short lengths, as it emerges from the furnace, and then passing the short lengths successively through a subsequent stage of roll reduction, whereby a rapid succession of uniformly heated short pieces may be provided for said subsequent stage of reduction.

1,581,040. METHOD OF MAKING TYPEWRITER RIBBONS. HOWARD B. VANNOTE, Hasbrouck Heights, N. J., assignor to H. M. Storms Co., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 6, 1925. Serial No. 60,844. 2 Claims. (Cl. 91—68.)



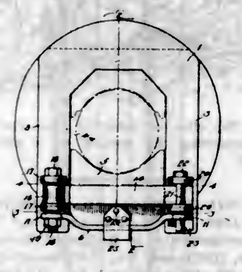
1. The herein described method of making typewriter ribbons, consisting in providing a sheet of any desired width and length, then securing by adhesive on both faces of said sheet, sheets of non-absorbent material, said sheets of non-absorbent material applied only to those portions of the sheet to be protected from receiving the ink, then cutting the sheet into strips, then passing the strips through the ink, then removing the material and severing the strips into lengths.

1,581,041. AUTOMOBILE SAFETY FENDER. LUISA DE BARRIOS, Brooklyn, N. Y. Filed July 9, 1925. Serial No. 42,428. 4 Claims. (Cl. 293—54.)



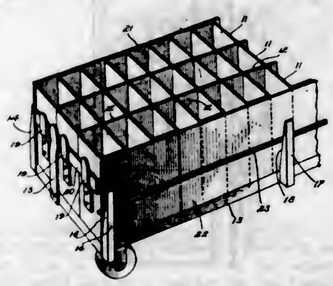
2. Automobile fender comprising a pair of curved plates, brackets for securing said fender to an automobile, a flanged bar, hinges connecting said plates and said bar, weights at the under side of said plates near the front ends thereof, and a pair of threaded sockets on said flanged bar, and operating means in said sockets for facilitating the reversing of said fender plates, when not in use.

1,581,042. JOURNAL BOX. FREDERICK H. EINWAECHTER, Jr., and FRANK A. CARDEGNA, Baltimore, Md. Filed Oct. 16, 1923. Serial No. 668,891. 14 Claims. (Cl. 308—83.)



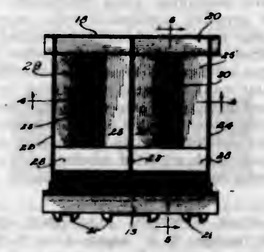
6. The combination with a journal box, a cellar formed with side and bottom walls detachably mounted therein, said journal box having a detachable bottom adapted to support said cellar beneath its bottom wall, and pivotal means for retaining the cellar in position within the journal box.

1,581,043. MOLD. GUSTAV EY, New York, N. Y. Filed Sept. 17, 1925. Serial No. 57,005. 4 Claims. (Cl. 25—121.)



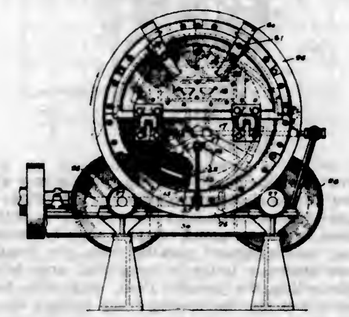
1. A mold which comprises a plurality of sheets of corrugated spring metal disposed adjacent each other to form cells.

1,581,044. CORNER-BLOCK MOLD. GUSTAV EY, New York, N. Y. Filed Oct. 30, 1925. Serial No. 65,858. 3 Claims. (Cl. 25—121.)



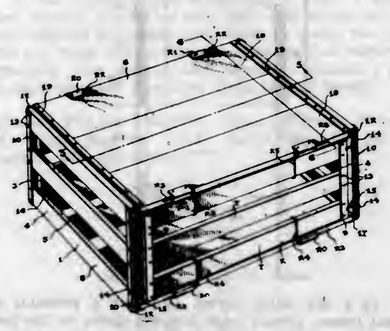
1. A corner block mold which comprises longitudinal transverse wall members, hollow beadings mounted on said members and running longitudinally thereof, the beadings on the transverse members adapted to abut the beadings on one of the longitudinal wall members, and a hollow core member extending between the transverse members and lying adjacent the other ends of the beadings therein.

1,581,045. SAND-BLAST APPARATUS. GEORGE C. FATSCHER, New Haven, Conn., assignor to The New Haven Sand Blast Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 19, 1924. Serial No. 700,279. 5 Claims. (Cl. 51—13.)



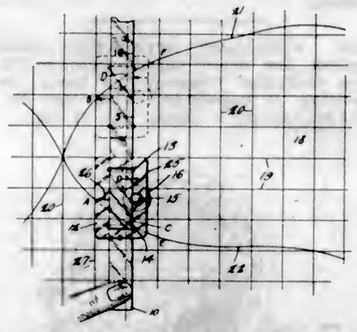
1. A rotary sand blast barrel having at one end a rotary head comprising a substantially semi-circular door pivoted to and forming portion of said head, together with latch lugs on the respective head members, said lugs lying substantially in register when the door is in fully open position, and a latch bar carried by one of said head members and slidable through said latch lugs to hold the door against closure during the rotation of the barrel.

1,581,046. COLLAPSIBLE SHIPPING CRATE OR BOX. PETER FLANSBURG, Manistee, Mich. Filed Aug. 22, 1924. Serial No. 733,605. 3 Claims. (Cl. 217—12.)



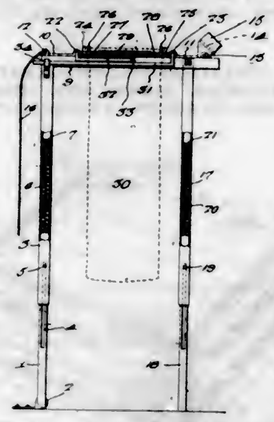
1. A collapsible crate including side and end pieces hingedly connected whereby the side pieces may collapse diagonally toward each other and the end pieces collapse respectively at the opposite sides, bottom and top pieces with detachable hinge connections to the upper and lower edges of the side pieces, said detachable hinge connections comprising U-shaped hinge members with grooves or channels in their bottoms, and U-shaped wire hinge members detachably slidably engaging the upper and lower slats of the side pieces and provided with arms engaging the grooves or channels in the bottoms of the U-shaped hinge members.

1,581,047. MEASURING DEVICE. CHARLES H. FOLSOM, Augusta, Me. Filed Mar. 2, 1925. Serial No. 12,705. 3 Claims. (Cl. 33—121.)



1. A device of the class described, comprising a graduated tape having designations thereon indicating area, a slide carrying an index mark for cooperation with the graduations on the tape, and carrying an index mark for measuring equally spaced parallel lines, the length of which constitutes a factor in computing area between lines intersecting the parallel lines, said slide having slots therein and the tape passing freely through the slots to permit of advancing the slide relative to the tape and tape holding means engaging the slide on opposite sides and engaging the tape, said tape engaging both of the outer surfaces of the slide.

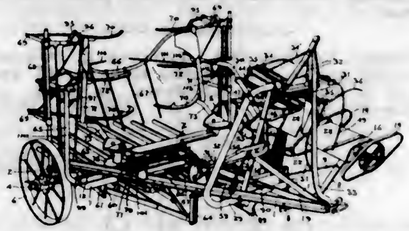
1,581,048. BAG HOLDER. WALTER A. FOSTER, Clarks Fork, Idaho. Filed Aug. 31, 1923. Serial No.660,423. 2 Claims. (Cl. 83—26.



1. In a bag filling device, including a yieldably supported frame, pivoted hook carrying plates on the top of the frame, spring means influencing the plates to swinging position to release a bag therefrom, a lever extending from the trunnion of one of the plates, an arm extending from the trunnion of the second plate having an offset finger to overlie the lever, and means for latching the lever, and means for latching the lever to the frame for holding the plates horizontally with respect thereto.

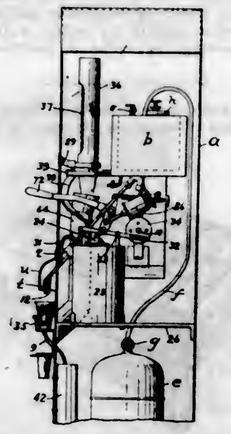
1,581,049. GRAIN SHOCKER. HERBERT FOX, Hamilton, Ontario, Canada. Filed Feb. 24, 1922. Serial No. 538,998. 30 Claims. (Cl. 56—414.)

1. A grain shocker, means adapted to grip the sheaves as they are discharged from a binder, means for swinging said gripper means to turn the sheaf butt down, means for removing the sheaves from said gripper means, means



for receiving the sheaves removed from the gripper, and means for depositing the sheaves in a shock butt ends on the ground.

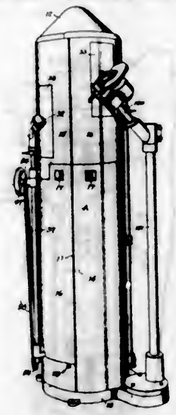
1,581,050. COIN-CONTROLLED DISPENSING APPARATUS. JOHN FRICK, Philadelphia, Pa., assignor, by mesne assignments, to Richmond Beverage Machine Corporation, Richmond, Va., a Corporation of Virginia. Filed July 23, 1919. Serial No. 312,806. 4 Claims. (Cl. 194—2.)



4. A dispensing apparatus comprising a cup container for a stack of cups, hand actuated devices for delivering a cup each time the mechanism is actuated, coin controlled means for permitting said mechanism to be actuated, said mechanism being arranged to be actuated by coins of different denominations, fluid measuring and delivery mechanism, a second hand actuated device for actuating the fluid measuring and delivery mechanism, said second hand actuated mechanism being independent of the first named hand actuated mechanism, coin controlled means for permitting said second hand controlled mechanism to be actuated, means for directing coins to the first hand actuated mechanism, means for directing the coins from the first hand actuated mechanism to the second hand actuated mechanism after a cup has been delivered, and means for throwing coins of one denomination in one direction and delivering coins of another denomination to the second hand actuated mechanism to permit the fluid measuring and delivering mechanism to be actuated.

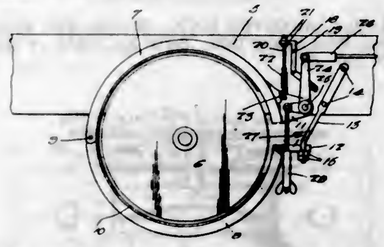
1,581,051. BIAS CUTTING MACHINE. PERCY GARDNER, East Orange, N. J., assignor to H. M. Bunker & Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 9, 1924. Serial No. 742,658. 11 Claims. (Cl. 164—65.)

1. A bias cutting machine comprising a radially contractible and expansible mandrel member over which a tubular material is fed, means carried by the mandrel member engaging said material for feeding the same



spirally thereover and a cutting element for cutting a spiral strip from said material.

1,581,052. BRAKE. JOSEPH E. GERVAIS, Manville, R. I. Filed Sept. 17, 1925. Serial No. 56,954. 2 Claims. (Cl. 188—77.)

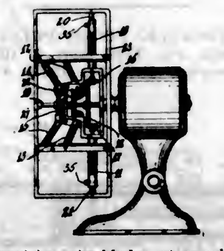


1. In combination, a frame, a brake drum, a brake band including a pair of segments pivotally associated together, lugs on the extremities of the segments, the lower lug being slotted, a bracket on the frame extending through the slot of the lower lug, nuts on the extremities of the bracket, a second bracket on the frame, a spring supported by said second bracket and engaged with the upper lug, a bell crank lever pivotally mounted at its vertex on the upper lug, means for swinging the bell crank lever, a bolt pivotally engaged with the bell crank lever and extending through the slot of the lower lug, and a nut on the extremity of said bolt.

1,581,053. PISTON-RING CONSTRUCTION. JOHN L. GIBSON, Brooklyn, N. Y. Filed Dec. 18, 1924. Serial No. 756,760. 2 Claims. (Cl. 24—109.)

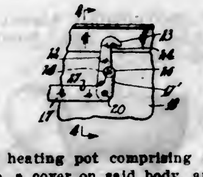
1. A piston ring construction which comprises in combination a piston having a ring groove, a central chime in said groove, a U shaped ring section lying in said groove with its limbs extending rearwardly to bear against the upper and lower faces of the said chime, the chime being cut away along those portions where the ends of the ring sections lie and a connecting block disposed in the groove, said block having a base to lie against the bottom of the groove, a wall projecting from the base to fill in where the chime has been cut away, and a tongue projecting from the wall, the ends of the ring sections being slotted to receive said tongue.

1,581,054. ELECTRIC FAN. BENJAMIN M. GIORDANO, Brooklyn, N. Y. Filed Sept. 16, 1925. Serial No. 56,569. 6 Claims. (Cl. 230—1.)



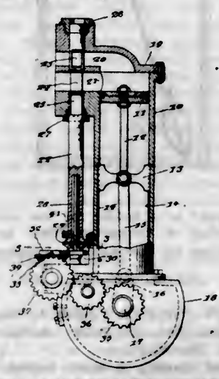
1. A fan comprising six blades at a relative position of 60° to one another and radiating from a common axis, two of the said blades being placed directly opposite one another and at right angles to the motor shaft, two of the said blades being placed directly opposite one another and spaced 60° from the said two blades and tilted forward at a slight angle of less than 90° to the said motor shaft, two of the said blades being placed directly opposite one another and spaced 60° from the said two blades and tilted forward at a slightly less angle to the motor shaft than the foregoing mentioned two blades and a means of rotating the said six blades.

1,581,055. WATER-HEATING POT. RUDOLPH GNEHM, Jersey City, N. J. Filed Mar. 12, 1925. Serial No. 14,870. 3 Claims. (Cl. 53—1.)



1. A water heating pot comprising a body, a handle hinged thereto, a cover on said body, and means on said handle adapted to engage said cover to clamp the same to the pot when the said handle is in position extending horizontally over the pot, said means comprising a pair of booked members detachably fixed to said handle.

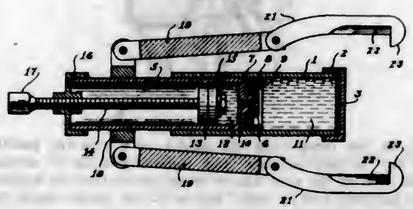
1,581,056. STEAM ENGINE. HALL GOODWIN, Chicago, Ill. Filed May 2, 1922. Serial No. 557,931. 2 Claims. (Cl. 121—122.)



1. A steam engine comprising separate cylinders having ports, longitudinally movable and rotatable valves having intake and exhaust ports extending entirely there-

through and arranged at right angles to each other, said valves being of substantially uniform diameter and provided below said exhaust ports with additional ports extending entirely therethrough and disposed parallel to said intake ports, and an actuating shaft extending into and having a constant sliding driving connection with said valves.

1,581,057. HYDRAULIC PINION PULLER. GEORGE S. HILL, Berwick, Pa. Filed Apr. 4, 1924, Serial No. 704,224. Renewed Feb. 27, 1926. 4 Claims. (Cl. 29—86.)



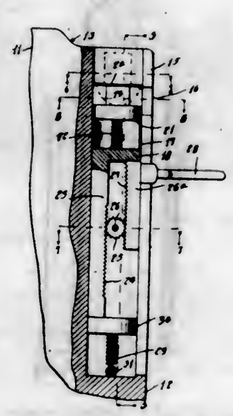
1. A gear remover comprising a cylinder adapted to contain a fluid, a second cylinder slidable within said first cylinder and having fluid-tight connection therewith, a reduced duct establishing communication between the interiors of said first and second cylinders, a piston in the second cylinder, a nut threaded on said second cylinder, a feed screw connected to said piston and threaded through said nut, and means carried by said second cylinder for engagement with a gear.

1,581,058. JAR PROTECTOR. ALETHA A. HOESE, Wynot, Nebr. Filed Dec. 8, 1924. Serial No. 754,681. 1 Claim. (Cl. 65—12.)

A funnel designed as a holder for the stem of a glass protector, including a funnel member having spaced aligning spring clips on the inner face thereof.

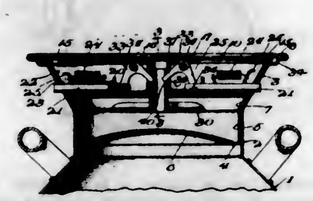
1,581,059. RIVET HOLDER. JOHN E. HOFFMAN, Casper, Wyo. Filed Nov. 28, 1924. Serial No. 752,651. 2 Claims. (Cl. 78—53.5.)

1. A rivet tool having a rivet holder adapted for projection to position the rivet, a bar depending from the holder, a magazine containing the holder, a guide disk at the base of said bar disposed in said magazine, a retractile spring secured to said disk and to the magazine to urge the holder to retracted position, a depressible bar



normally in engagement with the holder, and a drive connection between said last mentioned bar and the first mentioned bar.

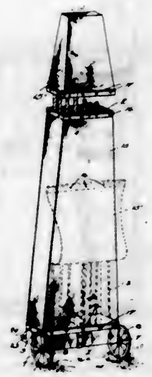
1,581,060. CAN-COVER LOCK. WALTER HUG, Medford, Wis. Filed May 8, 1925. Serial No. 28,888. 4 Claims. (Cl. 220—55.)



1. In a can cover lock, a combined handle member and housing located within the cover, extending transversely thereof and secured at its ends to diametrically opposed portions of the cover, said combined handle member and housing being shaped to be gripped by the hand, a pair of bolts within the housing, means for mounting the bolts for operative movement, the bolts being projectible and being adapted to lock the cover in position and being retractible to permit of release of the cover, springs for projecting the bolts, means for retracting the bolts comprising an elongated and rigid operating plate designed to be gripped with the combined handle and housing in applying and removing the cover and shaped to snugly fit the underside of the housing when pulled upwardly thereagainst, and means for interconnecting the plate and housing and also the plate and bolts for constraining the plate to partake of rectilinear movement back and forth toward and away from the combined handle member and housing and for positively transmitting the movement of the plate to the bolts.

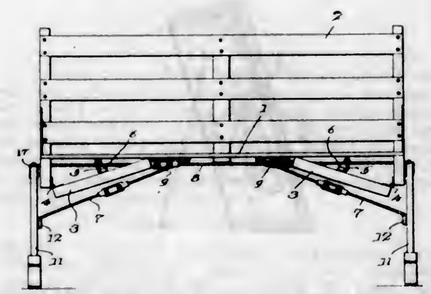
1,581,061. GOLF-CLUB CARRIER. GEORGE F. JOHNSTON, Tulsa, Okla. Filed Apr. 4, 1925. Serial No. 20,630. 4 Claims. (Cl. 150—1.5)

1. A golf club carrier comprising a rigid receptacle at the bottom adapted to receive the golf club heads, an enclosing frame at the top adapted to support the club handles, rollers on the receptacle, a cover adapted to fit over the frame and receptacle, cooperating fastener de-



vices carried by the carrier and the cover, and a loose flap in the cover permitting access to the lower portion of the clubs.

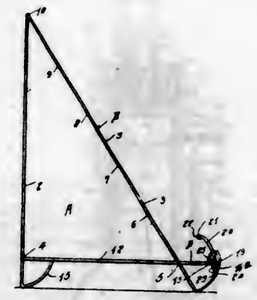
1,581,062. SWING. HORACE JONES, Port Arthur, Tex. Filed June 23, 1924. Serial No. 721,926. 2 Claims. (Cl. 155—73.)



1. A device of the class described comprising a seat and a back, leg members hingedly connected with the seat and adapted to be disposed in a vertical position beneath the ends of the seat or swung upwardly beneath the seat, means for retaining said legs in either position, rocker members hingedly connected to the ends of the seat and adapted to be disposed beneath the seat or moved upwardly to form end portions for the seat and means for supporting the rocker members in either position.

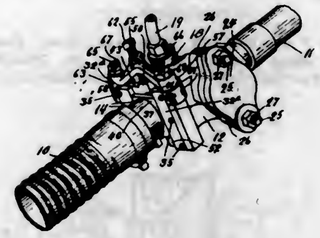
1,581,063. WIRE BOOK HOLDER. VESSIE M. KEESE, Marshalltown, Iowa. Filed July 31, 1924. Serial No. 729,852. 1 Claim. (Cl. 45—57.)

A wire book holder comprising end pieces having vertical rear members and downwardly and forwardly inclined front members, said members being provided at their lower ends with upwardly and forwardly curved portions, bars secured to said front and rear members, and a frame secured to the front and rear members and to



the ends of said portions, said frame extending beyond said front members to provide a rest for the lower edge of the book.

1,581,064. HOSE COUPLING. EDWARD P. KELLEY, Mittineague, Mass. Filed May 21, 1924. Serial No. 714,965. 2 Claims. (Cl. 285—143.)

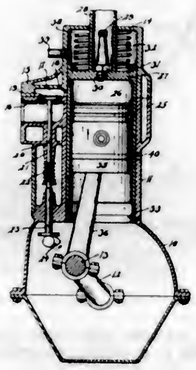


1. A hose coupling comprising complemental coupling members in longitudinal alignment with each other and having openings therethrough, said coupling members terminating in smooth transverse faces inclined to the longitudinal axis of the coupling, and means for drawing said complemental coupling members together to form a fluid-tight joint by their close abutting relation comprising wedge means formed in part by said inclined faces and rigid adjustable means cooperating with said wedge means for forcing said coupling members into wedging engagement, said adjustable means comprising a member mounted for movement longitudinally thereof and adapted to bear on one only of said coupling members.

1,581,065. ENGINE. CARL B. KING, Shoemaker, N. Mex. Filed May 6, 1925. Serial No. 28,431. 3 Claims. (Cl. 123—50.)

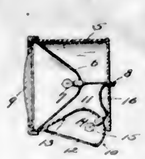
2. In an engine including a crank case, a crank shaft journaled therein and having crank portions, the engine further having a valve controlled fuel inlet port communicating with the cylinder, a sleeve slidably mounted within the cylinder and having its bottom open and its top closed by a head, a spark plug carried by the head, a

spring located above the head normally urging the sleeve downwardly, a piston slidably mounted within the sleeve and having a connecting rod connected with the crank portion of the crank shaft, said sleeve being formed in



its wall with a port adapted to register with said inlet port, the cylinder having a top wall with a central opening, and said head having a tubular extension slidable through said opening and forming an enclosure for the spark plug.

1,581,066. HEADLIGHT. THOMAS KING, Sandpoint, Idaho. Filed Mar. 19, 1924. Serial No. 700,329. Renewed Feb. 23, 1926. 1 Claim. (Cl. 240—41.)

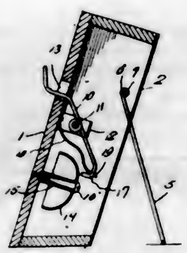


The combination with a main headlight comprising a casing with reflecting means, a front upright lens to project rays of light longitudinally forward from the said headlight and a light-producing means in the center of the reflecting means, of a supplemental headlight casing mounted in and extending partially upward into the lower central portion of the casing and having a rear true arcuate portion disposed at a downward angle relatively to the main casing and a forwardly projecting, straight, downwardly inclined wall continuing from the forward portion of the true arcuate portion of the casing, the supplemental casing being normally fully open at the bottom and having a lens secured therein, and lighting means eccentrically disposed in the rear arcuate portion of the supplemental casing and also arranged at a downward and forward angle of inclination, the supplemental casing and its parts as specified being located wholly in rear of the front lens and portion of the main casing, the light producing means of the main headlight and the supplemental headlight having independent electrical connections to adapt the same to be independently operated.

1,581,067. STOCKING. PERCY P. KLEINDIENST, Brooklyn, N. Y., assignor of one-half to Raymond S. Norris, New York, N. Y. Filed May 2, 1925. Serial No. 27,578. 6 Claims. (Cl. 2—240.)

1. A garment having a tubular portion with the yarns in a zone thereof embedded in an annulus of rubber, substantially as set forth.

1,581,068. GAME APPARATUS. OSCAR C. KNOPF, Flint, Mich. Filed Nov. 27, 1925. Serial No. 71,664. 2 Claims. (Cl. 273—102.)

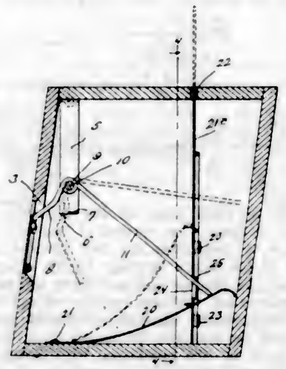


1. A game apparatus comprising a casing body having on its face the simulation of a human face, and also having in its front wall an aperture, a lever mounted at the back of the said front wall and having an upper arm extending through said aperture and adapted to form the nose of said face simulation, a spring strip carried by the front wall of the casing body and engaged with one arm of said lever, and a gong opposed to the said arm of the lever and connected with and supported by the front wall of the casing body.

1,581,069. GAME APPARATUS. OSCAR C. KNOPF, Flint, Mich. Filed Nov. 27, 1925. Serial No. 71,665. 7 Claims. (Cl. 273—102.)

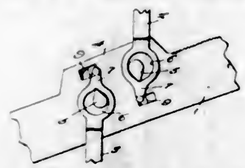
2. In a game apparatus and in combination, a support, an element movable rectilinearly relative to said support, a spring strip carried by the support and engaging said element for the movement of the latter when released, and a swingable member mounted on the support and having an arm arranged to be struck and moved and also having an arm arranged to normally hold the spring

strip under tension and against movement; the said rectilinearly movable element being in the form of a metallic plate, and being apertured for the passage of the arm



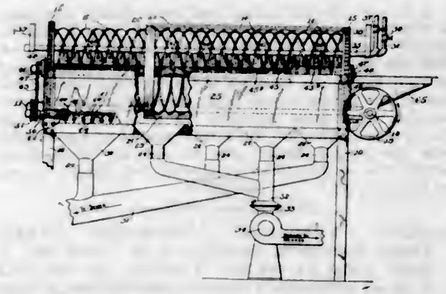
of said lever and being guided and held to the lever and the spring strip during the movement of the rectilinearly movable element, the spring strip and the lever together.

1,581,070. SCALEBEAM. GEORGE W. LANMAN, Texas City, Tex. Filed June 5, 1925. Serial No. 35,188. 2 Claims. (Cl. 265—49.)



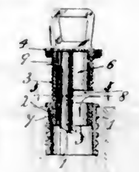
1. A beam scale having hangers for supporting the beam and for supporting the load carried by the beam, each of said hangers having pear-shaped eyes to receive pear-shaped trunnions on the sides of the beam and the said hangers having fingers extending beyond the eyes, each of said fingers having an inwardly directed lug and the sides of the beam being formed with depressions disposed directly opposite said lugs.

1,581,071. TOMATO WASHING, SCALDING, AND PEELING MACHINE. HARRY W. LOWE, deceased, late of Indianapolis, Ind., by Mark W. Lowe, administrator, Buffalo, N. Y. Filed Feb. 23, 1922. Serial No. 538,567. 33 Claims. (Cl. 146—47.)



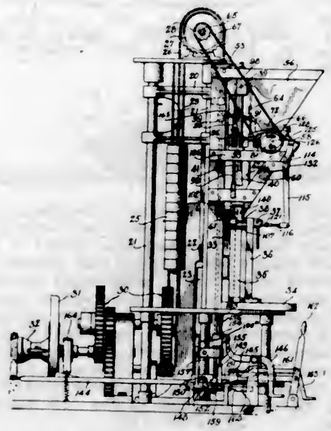
1. A tomato peeler, comprising a plurality of rollers driven so that adjacent rollers rotate oppositely, and means for tumbling tomatoes over such rollers.

1,581,072. CLOSURE FOR WATER BOTTLES AND THE LIKE. GEORGE HENRY CHARLES LUMSDEN, Hove, England. Filed July 17, 1925. Serial No. 44,314. 3 Claims. (Cl. 150—8.)



2. A closure of the kind described, comprising an internally screwthreaded member, a stopper having an externally screwthreaded tubular extension adapted to fit within the first named member, and a partition in said extension dividing same into two parallel passages longitudinally of the extension, a liquid inlet port being formed in one passage and an air exit port in the other passage, said ports being displaced relatively to one another in the direction of the axis of the extension substantially as and for the purpose set forth.

1,581,073. CORK-SLAB-PACKING MACHINE. CHARLES E. MCMANUS, New York, N. Y. Filed Nov. 13, 1923. Serial No. 674,488. 42 Claims. (Cl. 18—5.)

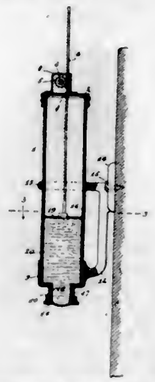


1. A cork slab packing machine embodying therein a support for a mold, a plunger adapted to enter said mold, a reciprocatory slide, means whereby said slide receives uniform reciprocatory movement, means carried by said slide and adapted to operatively engage said plunger and to impart positive reciprocatory motion thereto, means whereby the operative relation between said last named means and said plunger will be automatically varied with each stroke of said slide and said plunger, to cause a progressive decrease in the effective length of succeeding strokes of said plunger to compensate for the increasing volume of cork composition in said mold, and means delivering a mensured quantity of cork composition to within said mold prior to each stroke of the plunger inwardly of the mold.

1,581,074. PASTE-DISPENSING DEVICE. THOMAS MOTT MACFARLAND, Englewood, N. J. Filed Oct. 10, 1924. Serial No. 742,892. 2 Claims. (Cl. 221—78.)

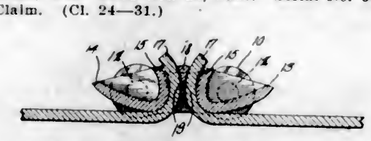
1. A paste dispensing device, comprising a bracket formed with an encircling ring and a socket spaced from

said ring but positioned in line therewith, said socket having a reduced neck, said neck being open at the top and bottom; a paste container formed at the lower end to fit into said socket and provided with a neck fitting



into the first mentioned neck, said last mentioned neck being open so as to dispense paste therethrough, a cap for said first mentioned neck for normally closing the same, and means co-acting with said container for forcing paste through said neck when said cap is removed.

1,581,075. BELT FASTENER. JAMES M. MILLER, Mission, Tex. Filed Oct. 24, 1925. Serial No. 64,625. 1 Claim. (Cl. 24—31.)

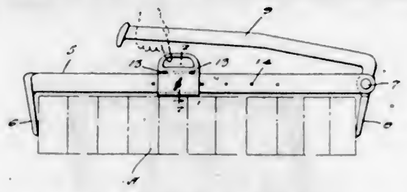


In a belt fastener of the character described, a pair of spaced links, a pair of identically constructed members eccentrically journaled on said links in end to end relation and slightly spaced apart, each member including a curved bottom and a substantially curved cam-shaped side serrated on the outer surface thereof to engage the adjacent ends of the belt when the latter are passed between said walls of the respective members, and a wedge shaped element having its opposed sides serrated and adapted to be positioned between the adjacent ends of the belt to cooperate with said members for effectively clamping the ends of the belt together as described.

1,581,076. DOOR RETAINER. ERNEST R. MITCHELL, Philadelphia, Pa. Filed Apr. 27, 1923. Serial No. 635,065. 5 Claims. (Cl. 16—86.)

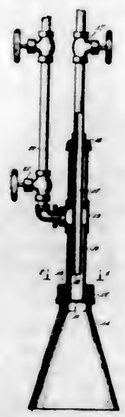
1. In a door retainer, two opposed resilient blocks adapted to lie in a recess in a door frame and to receive a door retaining lug between them, and metallic guard means perpendicular to the face of the door frame and fitting the opposed surfaces of the two blocks, the said metallic guard means being supported entirely by the blocks with its ends out of contact with any other part of the retainer so as to be bodily movable by the retaining lug in any direction parallel with the said face of the door frame within the limits of resiliency of the blocks.

1,581,077. BRICK TONGS. WILLIAM A. MOSIER, Crown Point, Ind. Filed Dec. 2, 1925. Serial No. 72,709. 1 Claim. (Cl. 294—62.)



In a pair of brick tongs of the character described, a relatively elongated bar formed at one end with a depending jaw, a complementary jaw pivoted at the opposite end of the bar, a carriage handle extending rearwardly from the pivotal jaw and being associated therewith in order that the jaw may be moved to open or closed position, means adjustably mounted upon the bar in order that the bar may be raised by a finger of the carrying hand of the workman with respect to said handle which will result in the opening of said pivotal jaw and the consequent releasing of the bricks, said means comprising a boxing slidably arranged upon the bar and being formed with a plate within which is a finger hold.

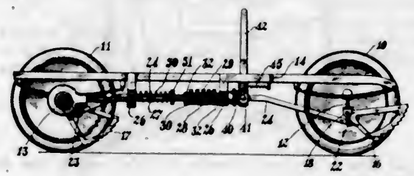
1,581,078. PORTABLE OIL BURNER AND TORCH. JOHN MULROY, Jersey City, N. J. Filed Sept. 18, 1925. Serial No. 57,217. 2 Claims. (Cl. 158—76.)



1. A portable oil burner and torch which comprises a nozzle member having a perforated end, a funnel-shaped flame and heat controlling element mounted on said end and projecting therebeyond, said funnel-shaped element having air passages in its rear wall around the end of the nozzle, an air pipe extending into the nozzle member to a point adjacent the perforated end, and an oil pipe opening into the nozzle member at a point midway the length thereof, the oil and air being mixed within the nozzle member at a point just beyond the end of the air pipe.

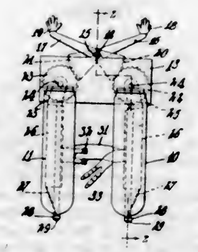
1,581,079. EMERGENCY AUTOMOBILE BRAKE. FRANK POLLIFRONE, Brooklyn, N. Y. Filed Dec. 9, 1924. Serial No. 754,702. 4 Claims. (Cl. 188—76.)

1. In an automobile a normally elevated drag, a drive shaft, and means for establishing an operative connection between the said drag and the said shaft whereby the drag may be moved between raised and lowered positions by rotation of the said shaft, said means including a worm on the said shaft, a partially rotatable sleeve having teeth thereon adapted to be moved into and out of engagement with the worm on the shaft by



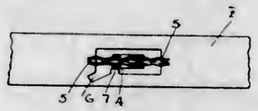
rotation of the sleeve, and a bar on which the sleeve is mounted, said bar being connected to the said drag and being arranged for longitudinal movement by and with the said sleeve to move the said drag between operative and inoperative position.

1,581,080. COMBINATION LIFE BUOY AND SWIMMING DEVICE. CANDIDO TORRES, Ardmore, S. Dak. Filed Aug. 20, 1925. Serial No. 51,339. 4 Claims. (Cl. 9—21.)



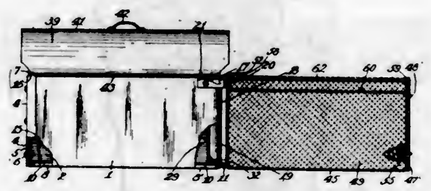
1. A combination life-buoy and swimming apparatus comprising a pair of floats, a platform carrying said floats, a pair of movable arm guides pivotally secured to said platform, means on said guides for receiving the hands of a person, a pair of wings, means for transmitting the movements of said arm guides to said wings, and a means for securing said apparatus on a person.

1,581,081. TOY TAMBOURINE. THOMAS RAYMOND ARDEN, Bellmore, N. Y., assignor to Julius Chein, New York, N. Y. Filed July 30, 1924. Serial No. 729,057. 4 Claims. (Cl. 84—418.)



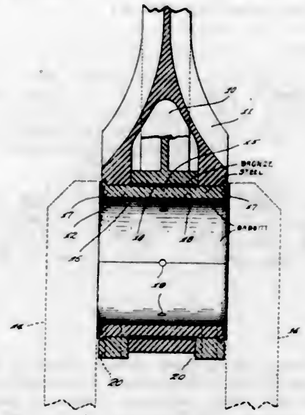
1. In a device of the character described the combination of a tambourine body and a jingle having a cut out section by which it is held in the tambourine body.

1,581,082. COLLAPSIBLE CHICKEN COOP AND YARD. JOHN Q. CLARKE, Crawfordsville, Ind., assignor to J. Q. Clarke Tank Co., Crawfordsville, Ind., a Corporation of Indiana. Filed Nov. 13, 1922. Serial No. 600,717. 8 Claims. (Cl. 119—19.)



1. A chicken coop and yard including a house part with an open end, a cross-bar secured to the upper portion of the house part and extending across the open end, the cross-bar having sockets therein, an end gate adjustably arranged at one side of the cross-bar, and a yard part arranged on the opposite side of the cross-bar and having couplers on its upper portion removably connected with the sockets in the cross-bar.

1,581,083. CONNECTING-ROD BEARING. NORMAN H. GILMAN, Indianapolis, Ind., assignor to Allison Engineering Company, Indianapolis, Ind., a Corporation of Indiana. Filed June 16, 1923. Serial No. 645,792. 6 Claims. (Cl. 308—237.)

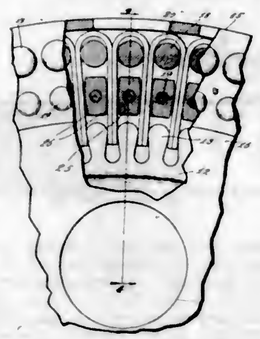


1. A bushing structure for the crank-ends of connecting rods of V-type engines, comprising a steel bushing, an outer liner of bearing metal on the middle part of said bushing for receiving the crank-end of one connecting rod, with the end portions of such steel bushing arranged to receive a bifurcated crank-end of a second connecting rod set astride the first, and an inner liner of bearing metal in said steel bushing.

1,581,084. SPRING COUPLING. NORMAN H. GILMAN, Indianapolis, Ind., assignor to Allison Engineering Company, Indianapolis, Ind., a Corporation of Indiana. Filed July 16, 1923. Serial No. 651,755. 10 Claims. (Cl. 64—96.)

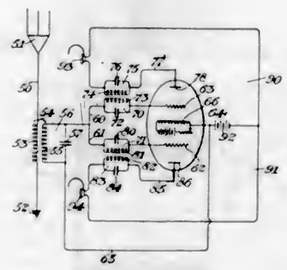
1. A spring coupling, comprising two adjacent members, said two members being provided with three series of spring-abutments of which two are on one of said

members and the third on the other member, one of the series of spring-abutments on the member having the two series being formed of shoes having elongated spring-



bearing faces which are only slightly curved, and flexure springs extending across the separating gap between the two members and each co-acting with spring-abutments of all three series, substantially as set forth.

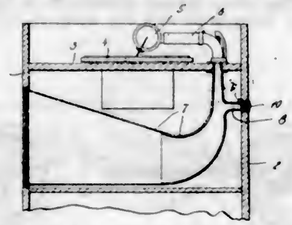
1,581,085. TRANSMITTING AND RECEIVING SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed May 13, 1920, Serial No. 381,163. Renewed Aug. 15, 1924. 12 Claims. (Cl. 250—6.)



1. A system for receiving radiant energy in the form of a series of oscillations having a predetermined high frequency and having impressed thereon a plurality of series of secondary oscillations of frequencies differing from each otner and from said high frequency, each of said series of secondary oscillations having impressed thereon amplitude variations of audible frequency, comprising a circuit responsive to said first-mentioned frequency, a single wave-responsive device controlled by said first mentioned circuit and having a corresponding plurality of input and output circuits, each of said output circuits being selectively responsive to one of said second-named frequencies, and means included in each of said output circuits for reproducing said waves.

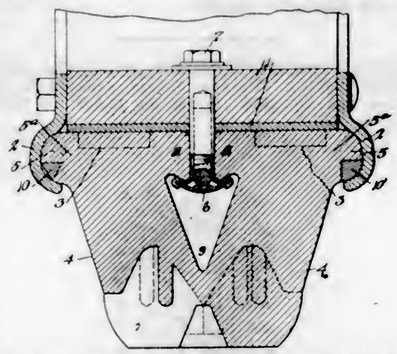
1,581,086. PHONOGRAPH AND RADIOADAPTER. WILLIAM P. KRAUSE, Chicago, Ill., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Feb. 15, 1924. Serial No. 692,988. 2 Claims. (Cl. 179—100.)

1. In combination with the cabinet-enclosed horn of a phonograph, an open-mouthed tubular neck extending from said horn to a hole in the cabinet; and a removable cap for the mouth of said neck adapted at the



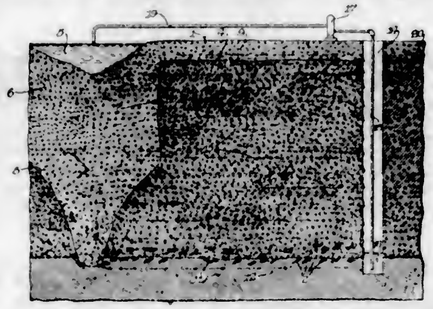
same time to act as a closure for said hole in the wall of the cabinet.

1,581,087. TIRE-SECURING DEVICE. MAX CYRUS OVERMAN, New York, N. Y., assignor to O. & W. Company, a Corporation of New York. Filed Dec. 27, 1921. Serial No. 525,045. 7 Claims. (Cl. 152—1.)



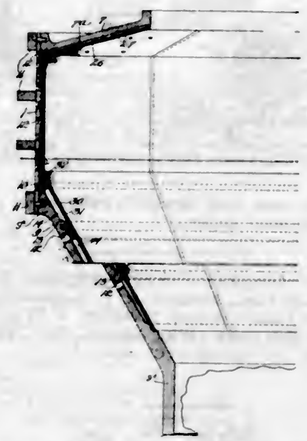
7. In combination, a tire having a rubber base bead extending laterally beyond the base of the tire, a securing flange formed to closely fit the contour of and laterally confine the said bead, said bead having a recess in its circumferential outer face, and a substantially rigid member seated in said recess with a portion of its surface exposed to and engaged by the said securing flange.

1,581,088. METHOD OF THAWING GROUND. EDWARD E. PEARCE, Candle, Alaska, assignor of one-third to Robert R. Cenek, Gary, Ind. Filed Mar. 26, 1921. Serial No. 456,002. 4 Claims. (Cl. 262—3.)



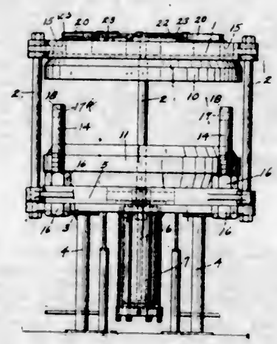
1. The method of thawing a frozen area of ground having an unfrozen area overlying the same which comprises sinking a shaft thereinto to increase the seepage of water through the unfrozen area from an adjacent body of water and thereby gradually thaw downwardly through the frozen area with a resulting gradual movement of the frost line between the frozen and unfrozen areas down through the frozen area.

1,581,089. CENTRIFUGAL BASKET. EUGENE ROBERTS, Salt Lake City, Utah, assignor to The Western States Machine Company, Salt Lake City, Utah, a Corporation of Utah. Filed June 30, 1923. Serial No. 648,676. 13 Claims. (Cl. 210—76.)



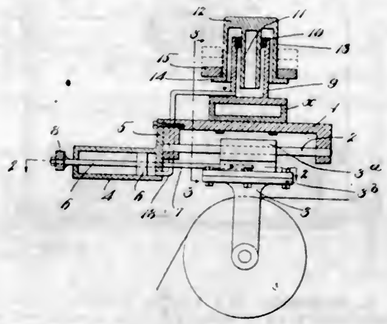
1. A filtering construction for a centrifugal basket embracing in combination with a surrounding basket wall formed with discharge perforations well spaced apart, an interiorly disposed fine foraminous filter screen, an intermediately disposed relatively stiff bridge plate having closely arranged coarse perforations while providing substantially level support at intervals to sustain the screen against outward bulging under pressure, and spacing means affording at intervals exterior supporting engagement with the bridge plate to form drainage spaces on the interior of the basket wall directly tributary to discharge perforations in the basket wall.

1,581,090. VULCANIZING PRESS. RICHARD J. SCHMIDT, Akron, Ohio, assignor to The Akron Equipment Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 26, 1925. Serial No. 77,702. 8 Claims. (Cl. 18—17.)



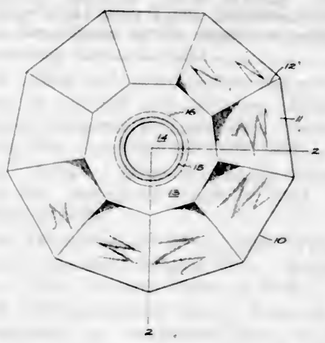
1. In an apparatus for the vulcanization of rubber goods, the combination of a stationary platen, a ram and a movable platen carried thereby, a mold section carried by each platen, a plurality of posts carried by one of the platens and adapted to project through the other platen, and a plurality of keys movable into locking engagement with the posts to secure the platens together.

1,581,091. IDLER PULLEY FOR BELT TENSION. ROBERT T. STEWART, Boston, Mass., assignor to American Tool & Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed June 1, 1922. Serial No. 565,034. 4 Claims. (Cl. 64—5.)



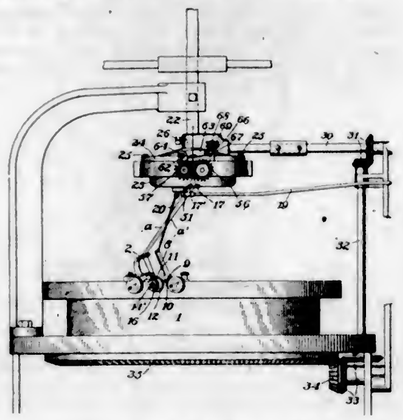
1. A tensioning device for transmission belts embracing in its construction, a movable idler pulley mounted to press against a transmission belt, a liquid actuated piston having connection with said pulley to press it yieldingly against the belt, a liquid pressure reservoir and pressure generating means arranged to exert a predetermined pressure upon the liquid therein and to provide an air cushion for absorbing shocks transmitted to the liquid medium, substantially as described.

1,581,092. GOLF PUTTING DEVICE. LEON D. BROOKS, San Francisco, Calif., assignor to I. G. Krieger, Lodi, Calif., and Laura B. Brooks, Oakland, Calif. Filed July 27, 1925. Serial No. 46,202. 3 Claims. (Cl. 273—36.)



1. A device of the character described comprising an elevated flat surface having a circular hole in the center and a nonagonal periphery and nine contiguous inclined plane surfaces extending from said periphery, said inclined surfaces intersecting on radii from the center of the hole.

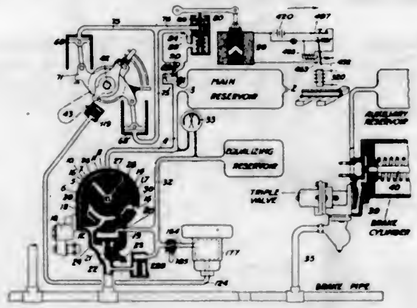
1,581,093. YARN FURNISHING AND CONTROLLING MECHANISM FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1922, Serial No. 526,069. Renewed Sept. 28, 1925. 20 Claims. (Cl. 66—21.)



1. In combination in a knitting machine, a plurality of feeds, with a set of knitting devices at each feed, each set having a member to be thrown out of operation to cause the needles to stop knitting but to hold the fabric thereon at the corresponding feed, yarn furnishing means for each feed to measure off the yarn supplied thereto and a detector device for each feed between the yarn furnishing means and the knitting devices means driven from the power of the machine, and connections to control the said members at the respective feeds, said connections being set by the detector device to be actuated by the said power driven means, said yarn furnishing means being driven from said power driven means, substantially as described.

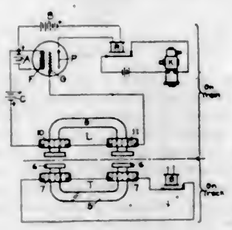
1,581,094. TRAIN-CONTROL APPARATUS. FRANK J. SPRAGUE, New York, N. Y., assignor to Sprague Safety Control and Signal Corporation, a Corporation of Virginia. Original application filed Dec. 31, 1914, Serial No. 879,939. Divided and this application filed Sept. 30, 1925. Serial No. 59,564. 39 Claims. (Cl. 303—18.)

1. The combination with a track and a vehicle moving thereon, of a brake system including an engineer's valve, and means located along the track and upon the vehicle for placing the engineer's valve in lap position



and at the same time effecting a reduction of air pressure in the brake system.

1,581,095. AUTOMATIC TRAIN-CONTROL SYSTEM. JOSEPH N. PAUL, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed July 7, 1919. Serial No. 309,068. 43 Claims. (Cl. 246—63.)



10. Impulse transmitting means for automatic train control systems responsive to the speed of a vehicle comprising, means acting to produce an induced voltage in a circuit on a car which varies in accordance with the speed of the car at predetermined control points, and means including a thermionic relay for detecting the variations in said induced voltage.

Patents Nos. 1,581,096 to 1,582,021.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

Vol. 345—No. 3. TUESDAY, APRIL 20, 1926. Price—$5 per year.

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Trade-Marks	338—No.	211,686 to No.	212,023, inclusive.
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Prints	39—No.	8,699 to No.	8,737, inclusive.
Reissues	8—No.	16,326 to No.	16,333, inclusive.
Designs	48—No.	69,930 to No.	69,977, inclusive.
Patents	926—No.	1,581,096 to No.	1,582,021, inclusive.
Total	1,404		

Interference Notice.

U. S. PATENT OFFICE, *Washington, Apr. 1, 1926.*

Spoehr's, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stephen F. Whitman & Son, Inc., Fourth, Race, and Lawrence Streets, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered December 6, 1921, No. 149,242, to Spoehr's, 179 North Michigan Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Spoehr's at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Spoehr's, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1926.*

Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The F. W. Fitch Company, of Fifteenth and Walnut Streets, Des Moines, Iowa, to effect the cancellation of the trade-mark registration of Isidor Jacob Selkowitz, of 851 Tinton Avenue, New York, N. Y., No. 172,685, dated September 11, 1923. The records of this Office show that Rose Lieberman, doing business as Mirose Laboratories, is the assignee of said Selkowitz. The notice of such proceeding sent by registered mail to the assignee, Rose Lieberman, doing business as Mirose Laboratories, at her address of record, New York, The Bronx, New York, having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS CANCELED.

47,804. Medicine. Luke M. Kazunas, Shenandoah, Pa. Registered November 21, 1905. Canceled March 31, 1926.

82,351. Incandescent electric lamps. New York Incandescent Lamp Company, New York, N. Y. Registered June 20, 1911. Canceled March 31, 1926.

116,201. Electric lamps. H. Boker & Co. Inc., New York, N. Y. Registered April 17, 1917. Canceled March 22, 1926.

139,507. Muslin and cotton piece goods. W. H. Childs & Son, New York, N. Y. Registered February 8, 1921. Canceled March 31, 1926.

144,799. Dried fruits, flours. Holland Food Corporation, New York, N. Y. Registered July 19, 1921. Canceled March 31, 1926.

171,798. Heat and corrosion resisting alloys in the form of castings and forgings. Frank A. Fahrenwald, Cleveland Heights, Ohio. Registered August 14, 1923. Canceled March 31, 1926.

183,255. Bread. Manbeck Baking Company, Lemoyne, Pa. Registered April 22, 1924. Canceled March 31, 1926.

187,789. Certain named metal alloys. Frank A. Fahrenwald, Cleveland Heights, Ohio. Registered August 12, 1924. Canceled March 31, 1926.

196,578. Coal stoves and ranges. Rosen & Company, Hazleton, Pa. Registered March 17, 1925. Canceled March 31, 1926.

198,038. Tents and awnings, certain named covers, cowboy waterproof bed sheets or tarpaulins, flags and pennants. The Colorado Tent and Awning Company, Denver, Colo. Registered April 28, 1925. Canceled March 31, 1926.

Condition of Applications Under Examination at Close of Business April 9, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,029; Trade-Mark Division, 1,989. Oldest new case, Oct. 7, 1925; oldest amended, Oct. 14, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Jan. 19	Jan. 25	589
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Dec. 17	†Nov. 20	594
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 2	†Dec. 23	1,102
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Jan. 20	Feb. 13	539
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Nov. 9	†Nov. 11	922
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 19	Jan. 2	1,185
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 18	Jan. 18	818
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 28	Jan. 28	1,021
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	†Dec. 17	570
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 2	Jan. 6	959
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Jan. 21	Jan. 22	739
380	12. PIERCE, P. P., Machine Elements	Jan. 15	Jan. 9	619
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 18	Feb. 8	586
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Dec. 31	†Dec. 24	937
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 25	Jan. 27	599
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 2	Jan. 6	898
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 7	†Dec. 29	406
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 4	†Dec. 4	827
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 23	Feb. 4	508
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 16	Jan. 19	745
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 22	Jan. 14	496
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 13	Jan. 8	585
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 4	†Dec. 23	285
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 8	Feb. 3	475
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Jan. 15	Jan. 21	830
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Oct. 7	†Nov. 2	810
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 11	Feb. 11	483
225	28. BENSON, A. R., Internal-Combustion Engines	Jan. 22	Jan. 25	828
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Oct. 15	†Oct. 14	1,141
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 21	Feb. 1	762
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 6	Feb. 3	824
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Jan. 5	Jan. 9	560
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 9	Feb. 12	754
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Nov. 3	†Oct. 27	706
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Jan. 18	Feb. 9	508
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 8	Jan. 19	1,044
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Jan. 2	Jan. 2	947
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 3	†Nov. 21	863
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 8	Feb. 2	461
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 12	Jan. 15	1,091
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Jan. 19	Jan. 14	460
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 15	Jan. 6	970
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 5	Jan. 6	796
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Oct. 22	†Oct. 22	953
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Jan. 16	Jan. 13	512
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 4	†Dec. 23	719
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	†Dec. 26	†Dec. 30	1,061
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 2	†Nov. 2	1,660
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 27	Jan. 27	550
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Dec. 10	†Dec. 10	1,261
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 5	†Nov. 20	1,742
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Jan 25	Jan. 18	672
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 5	Feb. 1	715
102	DESIGNS: C. O. MARKHAM (Acting)	Mar. 19	Mar. 24	340
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. (Trade-Marks	Mar. 6	Feb. 15	1,845
	(Labels and Prints	Apr. 1	Mar. 29	144

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE STEVENS.

Decided April 15, 1925.

1. UTILITY—OPERATIVENESS—PIONEER MACHINES—COMMERCIAL PRODUCTION.

Many machines of a pioneer character are not successful in producing commercial articles, but they indicate the general steps to be performed and the mechanism for performing them and, within the liberal meaning of the patent law, are generally regarded as operative to the extent that they mark the road which leads to the ultimate production of the commercial machine.

2. SAME—SAME—ANTICIPATION.

Where it is difficult to say that the machine disclosed in a prior patent, if constructed by the inventor and operated by him, would not produce any useful article, a claim should not be allowed to an applicant which fails to define any construction not present in the patented machine.

Note.—This application has resulted in Patent No. 1,557,891, October 20, 1925.

Application for patent.

APPEAL from the Examiners in Chief.

TIRE-BUILDING MACHINES.

Application filed October 1, 1918, Serial No. 256,429.

Mr. Albert L. Ely and *Messrs. Sheppard & Sheppard* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the primary examiner, denying patentability to claims 22, 36, 37, 41, 42, and 43.

Claims 22 and 36 will serve for illustrative purposes:

22. A tire making machine comprising a stationary support, and a support movable relative thereto, a fabric supply mechanism on the stationary support, and stretching mechanism associated therewith, and a second fabric supply mechanism and an associated stretching mechanism mounted on said stationary support, a plurality of core holders on said movable support, and means to move said support to bring said core holders in line with the fabric mechanisms and stretching mechanisms.

36. In a tire making machine, a movable support, a plurality of core holding chucks on said support, a driving member at each station of said core chucks as they are carried about the machine by the support, a shiftable clutch on said support for each chuck and means connected with said clutches to move them independently into engagement with the driving members.

The references are: Lister, 1,190,432, July 11, 1916; State, 941,962, Nov. 30, 1906; Midgley, 1,256,716, Feb. 19, 1918; Brucker, 1,218,627, Mar. 13, 1917.

The claims are directed to features of a tire casing or carcass making mechanism. Appellant employs a rotatable support carrying several, preferably four, supporting chucks. This support is rotated step by step so that a core is moved from the first position, where it was properly placed in its chuck, to a second position at which a workman applies the first layers of the tire, those which go next to the core, and, after these are stretched and wrapped about the core, the latter is moved to the third position, where beads are applied. In the final or fourth position, the layers going over the bead or bead rings are applied, following which the core moves to the first position, and is there trimmed and removed, a new core being inserted for a repetition of these operations. There is provided mechanism for driving each core independently of the other, and for such purpose shiftable clutches are provided which are under the control of the different operators at the four positions. The movement of the turntable from one to the other of its four positions is under the control of the operator at the first position. As the fabric is applied to the core or to any already-applied layers, it is suitably stretched or tensioned longitudinally of the tread of the tire by stretching rollers driven at reduced speed as compared with the movement of the fabric. The fabric is worked down by rollers along the sides of the core or already-applied strips. In connection with this phase of the operation, the appellant notes that the fabric is cut on a bias and that the stretching operation results in the squares formed by the warp and woof of the fabric becoming diamond-shaped in a direction longitudinally of the tread, becoming less so and finally substantially square as the positions on the sides of the carcass or core are reached, and again becoming diamond-shaped in a direction radial of the tire as the fabric is worked down near the position where the beads are to be applied. The difficulties of performing this operation successfully and commercially are noted and appellant sets forth that the machine of the application has proved remarkably successful. It is stated that the machines of this character produce many thousands of tires per day and are capable of producing a tire carcass a minute.

[1, 2] The patent to Lister discloses the broad idea of a turntable carrying four arms, each carrying its chuck to support a core. The turntable is presumably intended to be rotated by hand, since no mechanism for performing this function is disclosed. The operations to be performed in the production of a tire carcass are similar to those described in connection with appellant's machine. There are indicated, in the disclosure of the patent, rollers for working down the fabric to its proper position on the core to form the carcass. Appellant has pressed the view, from the first time this reference was cited by the examiner, that it discloses an inoperative machine and should not, in consequence, be relied upon as a reference. Without going into the showing made in support of this contention, it is sufficient to

note that many machines of a pioneer character are not successful in producing commercial articles, but they indicate the general steps to be performed, the mechanism for performing them and, within the liberal meaning of the patent law, are generally regarded as operative to the extent that they mark the road which leads to the ultimate production of the commercial machine. It is difficult to say that the Lister machine, if constructed by the inventor and operated by him, would not produce any useful article. It is believed, without definitely determining whether this reference could be so used, a claim should not be allowed the applicant which fails to define any construction not present in the Lister machine. If appellant's machine operates differently from that of Lister and performs functions in a better way or produces results which such patented machine can not produce, there must be a difference in construction and the claim, to be allowable, should indicate this difference.

Claim 22 defines from the reference in two features the stretching mechanism and the means for moving the support to bring the core holders in line with the fabric fitting and stretching mechanisms. While it may be true the roller 25 of this reference would produce some stretching effect, yet this patent lacks a disclosure of just how the mechanism for moving the turntable would be made to cooperate with the structure disclosed. Appellant has emphasized this distinction by proposing an amendment to line 7 of this claim 22 whereby it is made to state there is mechanism to bring "and maintain" the core holders to the proper position. It is believed this claim is patentable.

Regarding claims 36 and 37, which have been denied patentability in view of the Midgley patent, the fact should be noted that these claims are quite broad and do not include any mechanism for performing any particular operations upon the tire carcass or indeed that they are for the purpose of making tire carcasses. They broadly include mechanism found disclosed in this patent to drive a turntable from one position to another, to drive the tire supporting core at one position independently of the driving of the core at another, and to hold the turntable in the desired positions, as set forth in the Midgley patent. These claims do not define the construction which appellant has devised for accomplishing his particular result.

Claims 41, 42, and 43, are not restricted to mechanism which is essential for appellant's valuable result. Midgley discloses mechanism falling within the terms of these claims, save possibly as to some slight details that are well known to machinists and disclosed in the other references, State and Brucker.

The decision of the Examiners in Chief as to claims 36, 37, 41, 42, and 43 is affirmed, with the holding that the proposed amendment to claim 22 be admitted, and such claim be allowed.

Court of Appeals of the District of Columbia.

IN RE LOBDELL.

No. 1,771. Decided December 7, 1925.

INVENTION—SUBSTITUTION OF MATERIAL.

Substitution of wooden spokes for spokes of the prior art in steering wheels for motor vehicles not invention in view of the teachings of the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Chas. S. Grindle and *Mr. James A. Watson* for Lobdell.

Mr. T. A. Hostetler for the Commissioner.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing claims for a patent on an automobile steering wheel. Claim 1, of the several claims, is sufficiently illustrative and is here reproduced:

1. A steering wheel for motor vehicles comprising a metal hub, having a plurality of sockets arranged in substantially the same plane, a wooden rim rounded in cross section throughout and adapted to be gripped at any point transversely by the hand of the operator, and wooden spokes having their inner ends mounted in said sockets of the hub and their outer ends rigidly secured to said rim.

Appellant has substituted for the spokes of the prior art wooden spokes, and, while his wheel undoubtedly is superior in some respects to the wheels of the prior art, we are constrained to agree with the First Assistant Commissioner that the advantages claimed for this wheel are inherent and universally known to reside in the material employed; and that the substitution of wooden spokes, in view of the teachings of the prior art, did not involve invention. The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

HOLLAND FOOD CORPORATION *v.* THE H-O CEREAL COMPANY, INC.

No. 1,804. Decided March 1, 1926.

TRADE-MARKS—CANCELLATION—DECEPTIVE SIMILARITY—"HOFOOD" AND "H-O."

The mark "Hofood" in effect consists of the petitioner's registered mark "H-O" in combination with the word "Food" and is deceptively similar to the latter, the petitioner being entitled to use the word "Food," together with its mark, upon its food products.

APPEAL from Patent Office. Affirmed.

Mr. J. W. Crandall for Holland Food Corporation.

Mr. E. H. Parry for The H-O Cereal Co., Inc.

Before MARTIN, Chief Justice, ROBB, Justice, and BLAND, Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

On July 28, 1920, the Holland Food Corporation applied for registration of the trade-mark "Hofood", claiming continuous use of it since July 1, 1919, for dried fruits, wheat flour, rye flour, corn flour, potato flour, tapioca flour, rolled oats, and olein. Registration was accordingly granted on July 19, 1921.

In the month of April, 1923, the H-O Cereal Company, Inc., applied for the cancellation of this registration, under section 13, Trade-Mark Act of 1905, claiming prior use and registration of the trade-mark "H-O" for rolled oats, flour and similar food products, the mark being frequently used by them in combination with the word "Food" in labeling such goods, and alleging that the use by registration of the mark "Hofood" would confuse the public and greatly damage the petitioner.

The Examiner of Interferences found upon the evidence that the petitioner for many years continuously had used its registered mark "H-O" on rolled oats, buckwheat and pancake flour, and other like products, and had successfully advertised the mark at great expense. He held that the term "Hofood", being plainly a composite word consisting of "Ho" and "Food", the former being equivalent to petitioner's mark, would naturally suggest to the average purchaser that "H-O" food products and "Hofood" products were of the same origin, thus misleading the public to the petitioner's damage. In support of this view the Examiner cited *Talcum Puff Co.* v. *C. E. Burnham*, 322 O. G. 5; 54 App. D. C. 267; *Nafziger* v. *Schulze Baking Co.*, 240 O. G. 941; 46 App. D. C. 292; *Quaker City C & C Co.* v. *Keenan*, 207 O. G. 500; 51 App. D. C. 283. The Examiner accordingly sustained the application for cancellation, and recommended that the registration be canceled.

The Commissioner of Patents reviewed the record upon appeal, and affirmed the decision of the Examiner.

We do not find it necessary to discuss the evidence in detail, for in our opinion it is clear that the mark "Hofood" in effect consists of the petitioner's registered mark "H-O" in combination with the word "Food", the petitioner being also entitled to use the word "Food" together with its mark upon its food products; and accordingly that it is deceptively similar to the latter; and that it would be confusing to the public and damaging to the petitioner to have the respective marks used in commerce upon the same kind of goods.

The decision of the Commissioner of Patents is therefore affirmed.

HOLLAND FOOD CORPORATION *v.* THE H-O CEREAL COMPANY, INC.

No. 1,805. Decided March 1, 1926.

APPEAL from Patent Office. Affirmed.

Before MARTIN, Chief Justice, ROBB, Justice, and BLAND, Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

This is an appeal from a decision of the Commissioner of Patents affirming a decision of the Examiner of Interferences, sustaining the opposition of the appellee to the application of the appellant for registration of the mark "Hofood" for various specified food products.

This appeal was heard and considered together with that of the same parties in patent appeal No. 1,804, this day decided by this court. Consistently with the decision in that case we affirm the decision of the Commissioner of Patents in this case.

ADJUDICATED PATENTS.

(D. C. Pa.) The Robinson patent, No. 866,887, for rotary mining fan, *Held* invalid. *Robinson* v. *Jeffrey Mfg. Co.*, 10 F. (2d) 384.

(D. C. Pa.) The Hitchcock patent, No. 935,205, for railroad frog, claims 3, 7, and 10 *Held* invalid. *Hitchcock* v. *Valley Coal Co.*, 10 F. (2d) 381.

(C. C. A. Ohio.) The French patent, No. 1,140,808, for apparatus for cooking oil-bearing material, *Held* valid and infringed. *French* v. *Buckeye Iron & Brass Works*, 10 F. (2d) 257.

(C. C. A. Ill.) The Belknap patent, No. 1,228,171, for anticreeper devices, claims 10, 12, and 41 *Held* not infringed. *Anchor Co.* v. *P. & M. Co.*, 10 F. (2d) 362.

(C. C. A. Ill.) The Belknap patent, No. 1,243,688, for anticreeper devices, claims 3 and 5 *Held* not infringed. *Anchor Co.* v. *P. & M. Co.*, 10 F. (2d) 362.

(D. C. N. Y. and C. C. A. N. Y.) The Guinzburg patent, No. 1,314,799, for moistureproof garment for infants, *Held* invalid. *I. B. Kleinert Rubber Co.* v. *Polkase Mfg. Co.*, 10 F. (2d) 399 and 400.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

928,199, A. J. Hoffman, Clothes-pressing apparatus, consent decree sustaining patent and granting injunction Feb. 25, 1926, D. C., S. D. N. Y., Doc. E 35/232, *United States Hoffman Machinery Corp.* v. *National Pressing Machinery Co., Inc., et al.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc., consent decree Feb. 10, 1926, D. C. N. J., Doc. E 1526, *General Electric Co.* v. *Electrical Products Co., Inc., et al.*

1,080,021, H. C. Randall, Controlling mechanism for elevator doors and cars, suit filed Jan. 9, 1926, D. C., S. D. Calif. (S. Div.), Doc. J-103-H, *A. L. Randall et al.* v. *Elevator Supplies Co., Inc.*

1,082,933. (See 1,018,502.)

1,098,912, F. A. Law, Gearing, suit filed Feb. 26, 1926, D. C., W. D. Mich. (S. Div.), Doc. 2053, *The Warford Corp. et al.* v. *Fuller & Sons Mfg. Co.*

1,142,361, G. Ornstein, Antisepticizing water, appeal filed Feb. 26, 1926, C. C. A. (2d Cir.), Doc. 9124, *Electro Bleaching Gas Co. et al.* v. *Paradon Engineering Co., Inc.*

1,172,322, P. Torchio, Protective device for electric-cable joints, suit filed Feb. 27, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1772, *Metropolitan Device Corp.* v. *Cleveland Electric Illuminating Co.*

1,173,079, E. F. W. Alexanderson, Selective tuning system, suit filed Dec. 15, 1925, D. C. N. J., Doc. E 1669, *Radio Corp of America et al.* v. *Splitdorf Electrical Co.*

1,229,102, B. E. Lloyd, Talking doll, order of discontinuance by consent, Feb. 24, 1926, D. C., S. D. N. Y., Doc. E 35/13, *Voices, Inc., et al.* v. *L. & M. Blumstein.*

1,233,107, R. M. Myers, Road-building machine; 1,401,149, H. C. Foster, Combined spreader and roller; 1,470,157, J. L. Fike, Stone spreader, Feb. 17, 1926, interlocutory decree of infringement of claims 1 to 4, inclusive, of Patent 1,233,107, claims 2, 3, 7, 8, and 9 of Patent 1,401,149, and claims 1 to 7, inclusive, of Patent 1,470,157, and granting

injunction, D. C., S. D. Calif. (S. Div.), Doc. I-111-B, *The Burch Plow Works Co.* v. *M. M. Butler et al.*

1,233,965, Bishop & Cole, Nut separator, suit filed Oct. 26, 1925, D. C., S. D. Calif. (S. Div.), Doc. J-70-H, *Walnut Growers Ass'n* v. *Gugglenhime & Co.*

1,271,527(a), M. C. Hopkins, Sound-regenerating machine, suits filed Feb. 25, 1926, D. C., S. D. N. Y., Doc. E 35/312, *Lektophone Corp.* v. *Spartan Electric Co.*; and Doc. E. 35/313, *Lektophone Corp.* v. *A. Scaison (Terminal Cycle & Sporting Goods Co.)*; and Doc. 35/314, *Lektophone Corp.* v. *Bear Tone Radio Corp.*

1,271,527(b), M. C. Hopkins, Sound-regenerating machine; 1,271,529, same, Acoustic device, suit filed Feb. 27, 1926, D. C. Mass., Doc. E. 2535, *Lektophone Corp.* v. *C. M. Boudette et al.* Same, suit filed Mar. 1, 1926, D. C., S. D. N. Y., Doc. E. 35/350, *Lektophone Corp.* v. *Herald Electric Co., Inc.*

1,271,529. (See 1,271,527(b).)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Feb. 23, 1926, D. C., N. D. Calif. (S. Div.), Doc. E 1639, *The Bassick Mfg. Co.* v. *Lathan Auto Supply Co.*

1,307,734. (See 1,307,733.)

1,307,734, A. V. Gullborg, Lubricating means, suit filed Feb. 13, 1926, D. C., S. D. Miss., Doc. 256, *The Bassick Mfg. Co.* v. *Auto Supply Co., Inc.*

1,312,009, 1,454,088, H. C. Thrift, Pipe-pulling apparatus, suit filed Nov. 3, 1925, D. C., S. D. Calif. (S. Div.), Doc. J-72-J, *Thrift Corp.* v. *Star Drilling Machine Co.*

1,320,662, W. H. Tomlinson, Doughnut machine, suit filed Oct. 3, 1921, D. C., N. D. Calif. (S. Div.), Doc. E 650, *J. Tomlinson et al.* v. *Bake-Rite Ovens Mfg. Co.* Patent held valid and infringed, injunction granted (notice dated Feb. 26, 1926).

1,327,865, S. Flaxbaum, Pocket mirror, suit filed Feb. 8, 1926, D. C., S. D. N. Y., Doc. E 23/278, *S. Flaxbaum* v. *L. Wexelbe (G. Gewlbe & Co.)*. Consent decree sustaining patent and granting injunction Feb. 24, 1926.

1,330,231, D. Belais, Production of white gold, decree of lower court affirmed (notice dated Mar. 1, 1926), C. C. A. (2d Cir.), Doc. 8962, *D. Belais, Inc.*, v. *Goldsmith Bros. Smelting & Refining Co.*

1,332,793, L. Bloch, Combined waste and overflow, patent held valid, injunction granted Feb. 4, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1406, *L. Bloch et al.* v. *The Yeiser Co.*

1,355,074, D. P. Cleveland, Process of removing surface finish, consent decree holding claims valid Feb. 11, 1926, D. C., S. D. Calif. (S. Div.), Doc. H-27-J, *A. Bergfeld et al.* v. *E. D. McArthur.* Same, Doc. H-25, *J. A. Bergfeld et al.* v. *R. P. Starr (S. & D. Automotive Service).*

1,386,219, A. W. Archer, Water-cooled bearing for pump shafts, suit filed Oct. 19, 1925, D. C., S. D. Calif. (S. Div.), Doc. C 23-M, *Sterling Pump Works* v. *Fresno Agricultural Works.* Stipulated decree of dismissal Dec. 1, 1925.

1,401,149. (See 1,233,107.)

1,439,299, J. C. Doran, Shape-retaining means for hats, suit filed Feb. 27, 1926, D. C., S. D. N. Y., Doc. E 35/348, *J. C. & J. F. Doran (Doran Bros.)* v. *I. & A. Marks (I. Marks & Bro.).*

1,444,740, G. H. Geraerdts, Mold, decree of lower court affirmed (notice dated Mar. 1, 1926), C. C. A. (2d Cir.), Doc. 8921, *A. G. Miller* v. *Feraca Stone Works, Inc., et al.*

1,454,088. (See 1,312,009.)

1,470,157. (See 1,233,107.)

1,491,962, F. T. Moody, Positioning apparatus for headlights, suit filed Nov. 18, 1925, D. C., S. D. Calif. (S. Div.), Doc. J-82-H, *Moody Chart Co., Inc.*, v. *F. A. Pim.*

1,495,439, G. D. Reagan, Tile brick or building tile, suit filed Mar. 1, 1926, D. C., S. D. Ohio (E. Div.), Doc. 435, *G. D. Reagan* v. *Heath Cube Service, Inc.*

1,498,196, L. G. Pacent, Electric plug, consent decree Feb. 8, 1926, D. C. N. J., Doc. E 1513, *Pacent Electric Co., Inc.*, v. *Zisch Engineering Co.*

1,526,857, F. C. Hughes, Tire-valve-casing cap, suit filed Nov. 24, 1925, D. C., S. D. Iowa (Central Div.), Doc. E 4324, *F. C. Hughes* v. *C. Bohannon et al. (Specialty Mfg. Co.).*

1,529,363, Markel & Smith, Electric-light fixture; Des. 66,561, L. C. Fried, Wall bracket for electric lamps, suit filed Mar. 3, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1773, *Markel Lighting Fitments, Inc.*, v. *H. Kronenberg (Acme Mfg. Co.).*

1,546,281, S. E. Brown, Reflector, suit filed Oct. 26, 1925, D. C., S. D. Calif. (S. Div.), Doc. J-71-M, *E. A. Maginnis, Inc., et al* v. *McCoy Motor Supply Co.* Order entered Feb. 11, 1926, granting defendant's motion to dismiss with leave to file amended bill. Amended bill filed Feb. 19, 1926.

Re. 14,002, Re. 14,003, J. R. Surrell, Boiler furnace and feed-water heater, suit filed Feb. 24, 1926, D. C., S. D. N. Y., Doc. E 35/303, *J. R. Surrell* v. *Molby Boiler Co., Inc.*

Re. 14,003. (See Re. 14,002.)

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, suit filed Apr. 25, 1925, D. C., S. D. Tex., Doc. E 166, *The Coca Cola Co.* v. *J. C. Bogue.* Injunction granted Feb. 23, 1926.

T. M. 47,189. (See T. M. 22,406.)

Des. 66,561. (See 1,529,363.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,476,397, Downey and McEwan, Connector for ventilating racks or trays, decided March 13, 1926, claims 1 and 2.

Pat. 1,530,867, E. H. Walker, Draft gear, decided April 1, 1926, claims 1, 2, 3, and 7.

Pat. 1,557,736, S. J. Strid, Mounting for brake gears, decided March 27, 1926, claims 1 to 4, inclusive.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 24,513, Lard, Swift & Company, Chicago, Ill. Registered April 10, 1894. Decided March 29, 1926.

T. M. 71,682, Electric lamps of all kinds, Economy Electric Company, New York, N. Y. Registered December 8, 1908. Decided March 8, 1926.

T. M. 105,926, A compound composed of cottonseed oil and oleostearin, Swift & Company, Chicago, Ill. Registered August 24, 1915. Decided March 29, 1926.

T. M. 166,247, Canned fruits and canned vegetables, John W. McCarthy, Jr., Inc., San Francisco, Calif. Registered March 27, 1923. Decided February 25, 1926.

T. M. 179,017, Toy animals, P. G. Atlantic Toy Mfg. Co., New York, N. Y. Registered February 5, 1924. Decided March 13, 1926.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 20, 1926.

[VOL. 345. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 174,120. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Jan. 3, 1923.

NATIONAL

Particular description of goods.—Ginghams in the piece.

Claims use since Sept. 1, 1921.

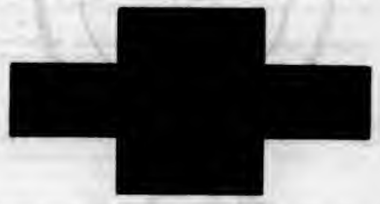
Ser. No. 185,158. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EDWIN B. STIMPSON Co., Brooklyn, N. Y. Filed Aug. 29, 1923. Under ten-year proviso.

STIMPSON

Particular description of goods.—Metal Stampings from All Metals and for All Purposes; Sheet Metal, including Sheet Brass, Sheet Copper, Sheet Zinc, Sheet Nickel, Sheet Silver; Wire, including Copper Wire and Brass Wire; Coils or Rolls of Copper, Brass, Zinc, or Other Base Metal formed by Coiling or Rolling Sheets or Strips of the metal; and Solid Metal Rods Sold from Stock for General Purposes.

Claims use since Jan. 1, 1895.

Ser. No. 185,159. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Aug. 29, 1923.



Particular description of goods.—Metal Stampings from All Metals and for All Purposes; Sheet Metal Including Sheet Brass, Sheet Copper, Sheet Zinc, Sheet Nickel, Sheet Silver; Wire Including Copper Wire and Brass Wire; Coils or Rolls of Copper, Brass, Zinc, or Other Base Metal Formed by Coiling or Rolling Sheets or Strips of the Metal and Solid Metal Rods Sold from Stock for General Purposes.

Claims use since about July 23, 1921.

Ser. No. 188,241. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo. Filed Nov. 12, 1923.

American Lady

Particular description of goods.—Canned Fruits, Canned Berries, Canned Vegetables, Canned Fish, Canned Pork and Beans, Coffee, Breakfast Cereals, Crushed Fruits, Honey, Apple Butter, Jelly, Fruit Preserves, Mincemeat, Macaroni, Spaghetti, Noodles, Olives, Pickles, Catchup, Chili Sauce, Thousand Island Dressing, Mayonnaise, Dressing a la King, Peanut Butter, Ground Spices, Chile Con Carne, Jam, Vegetable Relish, Canned Soup, Cocoa, Olive Oil, Mustard, Vinegar, Table Sirup, Canned Shellfish Canned Hominy, Canned Tomato Purée, Tomato Sauce, Pepper Sauce.

Claims use since June 1, 1904.

Ser. No. 191,417. (CLASS 13. (HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SOWERS MANUFACTURING COMPANY, Buffalo, N. Y. Filed Jan. 28, 1924.

No claim is made to the words "The Guarantee of Satisfaction" and "Sowers."

Particular description of goods.—Kettles, Including Fire, Steam Jacketed, and Oil Jacketed, also Mixing Kettles.

Claims use since July, 1899.

Ser. No. 194,330. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Mar. 24, 1924.

BEAVER PRODUCTS

Particular description of goods.—Mixed Paints in Oil, Paint Enamels, Varnishes, Waterproof Paint Coatings, Japans, Wood Stains, Lacquers, Wood Fillers, and Colors in Oil, Etc.
Claims use since May 17, 1923.

Ser. No. 194,732. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYLES SALT CO., LTD., New Orleans, La. Filed Mar. 31, 1924.

MYLES PREFERRED SALT

The drawing is lined to indicate the colors blue and red. No claim is made to the words "Myles Preferred Salt" apart from the mark shown.
Particular description of goods.—Salt.
Claims use since on or about Feb. 5, 1924.

Ser. No. 200,841. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Aug. 2, 1924.

SILVER QUEEN

Particular description of goods.—Cotton Piece Goods, Particularly Such as are Used for Cotton Suitings.
Claims use since on or about July 21, 1924.

Ser. No. 201,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Aug. 20, 1924.

No claim is made to the representation of the merchandise. No claim is made to the representation of bottles generally. No claim is made to the words "Clear as Crystal, Absolutely Pure and Harmless, A Lubricant Not a Laxative, For Constipation."
Particular description of goods.—Mineral Oil for Chemical, Medicinal, and Pharmaceutical Purposes.
Claims use since 1917.

Ser. No. 203,083. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LAKE WALES NURSERIES, Lake Wales, Fla. Filed Sept. 26, 1924.

LAKE WALES NURSERIES
BEST BY TEST

No claim is made to the use of the words "Best by Test" and "Lake Wales Nurseries" apart from the mark shown on the drawing.
Particular description of goods.—Nursery Products—namely, Citrous Fruit Trees, Peaches, Plums, Avacoda Pears, Grapes, Blackberries, Huckleberries, Mangoes, Bananas, and All Kinds of Tropical or Semi-Tropical Fruit Trees.
Claims use since July, 1913.

Ser. No. 204,506. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAPPY'S BOTTLING WORKS, INC., Auburn, Wash. Filed Oct. 28, 1924.

Happy's

Particular description of goods.—Hot-Cake Sirup.
Claims use since Aug. 23, 1924.

Ser. No. 207,443. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT A. BARRON, San Francisco, Calif., doing business as United Sales Corporation. Filed Dec. 30, 1924.

Particular description of goods.—Metal Wedges for Tool Handles.
Claims use since Nov. 1, 1924.

Ser. No. 207,810. (CLASS 37. PAPER AND STATIONERY.) CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed Jan. 8, 1925.

Court Linen Ledger

No claim is made to the exclusive use of the words "Linen Ledger" apart from the mark shown in the drawing.
Particular description of goods.—Ledger Paper.
Claims use since Mar. 31, 1911.

Ser. No. 208,378. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BURNETT CHEMICAL COMPANY, Los Angeles, Calif. Filed Jan. 21, 1925.

PACIFIC

Particular description of goods.—Lead-Base Paste Paint Pigment.
Claims use since May 30, 1924.

Ser. No. 208,814. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JOSEPH S. JUDGE, Brooklyn, N. Y. Filed Jan. 29, 1925.

4 SPUR

Particular description of goods.—Waxing and Floor-Polishing Brushes.
Claims use since Jan. 9, 1925.

Ser. No. 208,955. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTT MILLS, Lowell, Mass. Filed Feb. 2, 1925.

LUSTRE SCRIM

No claim is made to the exclusive use of the word "Scrim" apart from the mark shown in the drawing.
Particular description of goods.—Scrim Sash Curtains.
Claims use since Nov. 1, 1924.

Ser. No. 209,342. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASON A. HAWKINS, doing business as Morhairon Mfg. Co., Baltimore, Md. Filed Feb. 10, 1925.

MORHAIRON

Particular description of goods.—Hair Tonic.
Claims use since Sept. 18, 1923.

Ser. No. 209,522. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Feb. 12, 1925.

Auto-Soie

Applicant disclaims any exclusive right to the trade-mark word "Soie" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Boys' Furnishings and Clothing—Namely, House Coats, Waistcoats, Bath Robes, Smoking Robes, Smoking Jackets, Pyjamas, Nightshirts, Bathing Suits, Swimming Suits, Dressing Gowns, Sweaters, Collars, Gloves, Hosiery, Overcoats, Raincoats, Dress Suits, Golf Suits, Hunting Suits, Riding Suits, Tuxedo Suits, Walking Suits.
Claims use since Aug. 24, 1914.

Ser. No. 209,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD J. AHRENS, doing business as The Naturalay Company, Chicago, Ill. Filed Feb. 16, 1925.

NATURALAY

Particular description of goods.—Preparation for Keeping the Hair in Place After being Combed.
Claims use since Dec. 29, 1924.

Ser. No. 209,860. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NELIA, SOCIEDAD ANONIMA, Barcelona, Spain. Filed Feb. 19, 1925.

NELIA

Particular description of goods.—Chocolate in Blocks, Chocolate in Powder, Cocoa in Powder; Chocolate Sweetmeats, Comprising Milk Chocolate, Nut Chocolate, Coffee Chocolate; Sweetmeats Filled with Fruit, Caramels, Acidulated Caramels, Caramels Filled with Fruits, Nougats, Biscuits, Jams, Marmalades, and Jellies.
Claims use since August, 1922.

Ser. No. 210,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB SUNSHINE, doing business as Wizard Laboratories, New York, N. Y. Filed Feb. 25, 1925.

ALADDIN GEMS

Particular description of goods.—Emmenagogue Pills.
Claims use since Jan. 1, 1925.

Ser. No. 210,367. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DETROIT INSULATED WIRE COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

Particular description of goods.—Armored Cables, Armored Cords, and Flexible Metallic Conduits for Electrical Purposes.
Claims use since Feb. 6, 1925.

Ser. No. 211,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed Mar. 21, 1925.

Bonded

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1921.

Ser. No. 212,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. S. HERLONG & CO., Leesburg, Fla. Filed Apr. 3, 1925.

Mammy

Particular description of goods.—Fresh Citrous Fruits and Fresh Vegetables.
Claims use since Oct. 6, 1922.

Ser. No. 212,250. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GROOVER-STEWART DRUG COMPANY, Jacksonville, Fla. Filed Apr. 6, 1925.

ROYAL PALM

Particular description of goods.—Nonalcoholic, Maltless Flavors, Extracts, and Compounds Used in the Preparation of Soft Drinks and for Distilled Water and Soda Foam.
Claims use since July 1, 1920.

Ser. No. 212,578. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SUPERIOR HARD RUBBER COMPANY, INC., Butler, N. J. Filed Apr. 11, 1925.

RADIOLITE

Particular description of goods.—Plates for Electrical Condensers.
Claims use since on or about Apr. 1, 1924.

Ser. No. 213,432. (CLASS 38. PRINTS AND PUBLICATIONS.) HIJOS DE J. ESPASA, Barcelona, Spain. Filed Apr. 28, 1925.

Particular description of goods.—Completely-Printed Books.
Claims use since January, 1908.

Ser. No. 215,121. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ART ELECTROTYPE FDRY. CO., Cleveland, Ohio. Filed June 1, 1925.

ARTPLATE ELECTROS

No claim is made to the word "Electros" apart from the mark shown.
Particular description of goods.—Electrotype.
Claims use since January, 1920.

Ser. No. 215,122. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ARTCRAFT ELECTROTYPE COMPANY, Ashland, Ohio. Filed June 1, 1925.

ARTCRAFT ELECTROS

No claim is made to the word "Electros."
Particular description of goods.—Electrotype.
Claims use since January, 1924.

Ser. No. 216,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THREE-M MANUFACTURING COMPANY, Kansas City, Mo. Filed June 24, 1925.

ROYAL

Particular description of goods.—Boiler Compound.
Claims use since July 1, 1924.

Ser. No. 216,459. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EASTERN CARBON BLACK COMPANY, Charleston, W. Va. June 26, 1925.

TRIANGLE BRAND

The word "Brand" is disclaimed.
Particular description of goods.—Carbon Black.
Claims use since 1918.

Ser. No. 216,701. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNIVERSAL WILLOW & REED WARE COMPANY INCORPORATED, Long Island City, N. Y. Filed June 30, 1925.

UNIVERSAL WILLOW & REED WARE CO. LONG ISLAND CITY, N. Y.

No claim is made to the exclusive use of the words "Willow and Reed Ware Co., Long Island City, N. Y." apart from the mark as shown in the drawing.
Particular description of goods.—Electric Floor Lamps and Electric Table Lamps.
Claims use since Nov. 17, 1919.

Ser. No. 216,703. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JULIUS CATO VREDENBURG, London, England. Filed June 30, 1925.

SWAYSORBER

Particular description of goods.—Shock Absorbers, Vibration Dampers, and Cushioning Devices.
Claims use since June 15, 1925.

Ser. No. 216,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARK WHALON, East Dorset, Vt. Filed July 3, 1925.

"CAT & BAGPIPES"

Particular description of goods.—Maple Sugar, Maple Sirup, and Maple Butternut Candy.
Claims use since June 15, 1924.

Ser. No. 217,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NASH COFFEE COMPANY, Minneapolis, Minn. Filed July 10, 1925.

BLUE MEDAL

Particular description of goods.—Coffee.
Claims use since Feb. 1, 1924.

Ser. No. 217,187. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JESSE SROFE, doing business as J. Srofe Company, Cincinnati, Ohio. Filed July 10, 1925.

JINGLBLOX

The word "Blox" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Toy Blocks.

Claims use since June 29, 1925.

Ser. No. 218,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed July 29, 1925.

TEENIE WEENIE

Particular description of goods.—Canned Sardines.

Claims use since June 6, 1925.

Ser. No. 218,523. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 7, 1925.

RECTRON

Particular description of goods.—Vacuum Tubes and Valves, Vacuum-Tube and Crystal Detectors, Vacuum-Tube Amplifiers, Vacuum-Tube Rectifying Apparatus, and A, B, and C Battery Eliminators.

Claims use since Nov. 1, 1923.

Ser. No. 218,651. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE MAYTAG COMPANY, Newton, Iowa. Filed Aug. 10, 1925.

Gyrafoam

Particular description of goods.—Clothes-Washing Machines.

Claims use since April, 1922.

Ser. No. 218,652. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE MAYTAG COMPANY, Newton, Iowa. Filed Aug. 10, 1925.

GYRATATOR

Particular description of goods.—Dollies and Clothes-Washing Machines.

Claims use since April, 1922.

Ser. No. 219,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. JAGEMAN-BODE COMPANY, Springfield, Ill. Filed Aug. 31, 1925.

SANGAMO

Trade-mark consists of the word "Sangamo".

Particular description of goods.—Canned Fruits, Vegetables, and Fish; Breakfast Cereals, Alimentary Pastes, Jams, Jellies, Fruits Preserved in Sirup; Evaporated Milk, Cornstarch, Vinegar, Pickles, Coffee, Cocoa, Catchup, Spices, Prepared Mustard, Food-Flavoring Extracts and Food-Flavoring Table Sauce, Worcestershire Type.

Claims use since Aug. 1, 1906.

Ser. No. 219,655. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARKWRIGHT MERCHANDISING CORP., New York, N. Y. Filed Sept. 2, 1925.

No claim is made to the words "Ardsley Sheets and Pillow Cases" apart from the mark shown on the drawing.

Particular description of goods.—Sheets and Pillowcases.

Claims use since January, 1925.

Ser. No. 219,661. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SANFORD JOHNSON DALZELLE, doing business as Dalpo Products Company, Baltimore, Md. Filed Sept. 2, 1925.

DALPO

Particular description of goods.—Auto Cleaner, Glass Polish, Metal Polish, Hand Cleaner, Cleaning Fluid, a Dry Cleaner for Fabrics, Auto Soap, and Auto Top and Cushion Dressing, and Valve Grinding Compound.

Claims use since Jan. 15, 1925.

Ser. No. 219,759. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OTAR THE LAMPMAKER, Santa Cruz, Calif. Filed Sept. 3, 1925.

The words "Otar" and "The Lampmaker" are disclaimed apart from the mark as shown by the drawing.

Particular description of goods.—Electric-Lighting Fixtures, Lanterns, Ceiling Lights, Wall Brackets, Floor Lamps, Table Lamps, and Torches for Electric Lighting.

Claims use since Mar. 15, 1923.

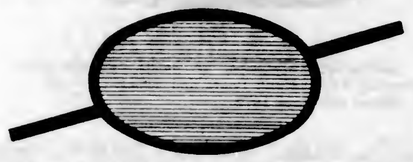
Ser. No. 220,076. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MARK CROSS COMPANY, New York, N. Y. Filed Sept. 10, 1925.

COMPAC-KIT

Particular description of goods.—Toilet Bags.

Claims use since June 2, 1925.

Ser. No. 220,212. (CLASS 31. FILTERS AND REFRIGERATORS.) GUS V. BRECHT BUTCHERS SUPPLY COMPANY, St. Louis, Mo. Filed Sept. 14, 1925.



The lining on the drawing does not indicate a particular color.

Particular description of goods.—Refrigerators and Refrigerator Display Counters.

Claims use since Aug. 1, 1925.

Ser. No. 220,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KASE LABORATORIES, San Francisco, Calif. Filed Sept. 16, 1925.

No claim is made for the words "Reducing" and "Capsules" apart from the mark as shown.

Particular description of goods.—Medicine for Reducing Flesh and Sold in the Form of Capsules.

Claims use since Apr. 4, 1924.

Ser. No. 220,358. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE PERMANENT WAVE MACHINE & SUPPLY CORPORATION, New York, N. Y. Filed Sept. 17, 1925.

Particular description of goods.—Permanent-Wave Hair-Steaming Devices.

Claims use since Mar. 26, 1923.

Ser. No. 220,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. D. MARTIN, Fresno, Calif. Filed Sept. 21, 1925.

RAYO

Particular description of goods.—Fresh Grapes.

Claims use since August, 1921.

Ser. No. 220,618. (CLASS 2. RECEPTACLES.) PERIN-WALSH COMPANY, Boston, Mass. Filed Sept. 22, 1925.

"ROLOFF"

Particular description of goods.—Receptacles Used in Shipping Goods, Wares, and Merchandise and Provided with Casters, Wheels, or Rollers.

Claims use since October, 1922.

Ser. No. 220,810. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) UNION RADIATOR COMPANY, Johnstown, Pa. Filed Sept. 25, 1925.

UNION ART

Particular description of goods.—Radiators for Heating Purposes.

Claims use since about July 1, 1924.

Ser. No. 220,889. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELTOX RUG COMPANY, Oshkosh, Wis. Filed Sept. 28, 1925.

DELART
OVAL RUGS

No claim is made to the words "Oval Rugs" apart from the mark shown.

Particular description of goods.—Oval Rugs Formed of Paper Yarn.

Claims use since June 17, 1925.

Ser. No. 221,537. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Oct. 10, 1925. Under ten-year proviso.

Mc. LAUGHLIN'S

Particular description of goods.—Nonalcoholic, Maltless Beverages, Including Ginger Ale, Sarsaparilla, Cream Soda, Lemon Sour, Distilled Carbonated Mineral and Natural Waters.

Claims use since 1890.

Ser. No. 221,719. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN N. SHEPARD, Los Angeles, Calif. Filed Oct. 14, 1925.

WEBWAX

The use of the word "Wax" is disclaimed apart from the mark shown.

Particular description of goods.—Floor Wax.

Claims use since Sept. 28, 1925.

Ser. No. 221,981. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SPECTRO-CHROME INSTITUTE, (INCORPORATED), Malaga, N. J. Filed Oct. 19, 1925.

AURICULATOR

Particular description of goods.—Apparatus for Registering the Color-Wave Value or Radioactive and Radioemanative Value of the Human Body and the Like.

Claims use since Feb. 21, 1925.

Ser. No. 221,990. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 19, 1925.

GILT EDGE

Particular description of goods.—Leather Polishes.

Claims use since Jan. 29, 1885.

Ser. No. 221,991. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 19, 1925.

DANDY

Particular description of goods.—Shoe Polish and Leather Dressings.

Claims use since Jan. 30, 1893.

Ser. No. 221,992. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 19, 1925.

Particular description of goods.—Compositions for Treating Leather and Boots and Shoes.

Claims use since 1872.

Ser. No. 221,993. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Oct. 19, 1925.

BON-TON

Particular description of goods.—Polishes for Leather Goods.

Claims use since Dec. 1, 1882.

Ser. No. 222,188. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD PRITCHARD, New York, N. Y. Filed Oct. 23, 1925.

"EDDYS"

Particular description of goods.—Worcestershire Sauces, Jellies, Flavoring Extracts for Foods, and Malt and Apple Vinegar.

Claims use since May 1, 1893.

Ser. No. 222,286. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH SOLTZ, Atlantic City, N. J. Filed Oct. 24, 1925.

ERMINITE

Particular description of goods.—Ready-Mixed Paints and Paint Enamels.

Claims use since July 1, 1923.

Ser. No. 222,315. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DAVIS & VOETSCH, INC., New York, N. Y. Filed Oct. 26, 1925.

The word "Sturditoy" is disclaimed apart from the other features of the mark.

Particular description of goods.—Wheeled Toy Vehicles.

Claims use since Oct. 14, 1925.

Ser. No. 222,940. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PROGRESSIVE BROOM COMPANY, INC., Brooklyn, N. Y. Filed Nov. 6, 1925.

UNEEDA

Particular description of goods.—Brooms, Whisk Brooms, and Unimpregnated Cloth, Feather, and Wool Dusters.

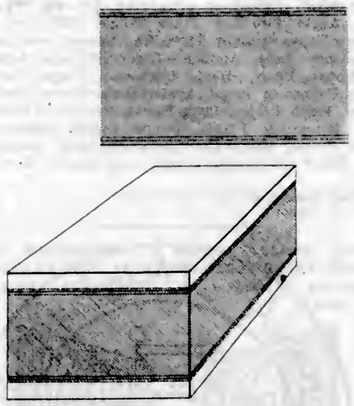
Claims use since Sept. 1, 1925.

Ser. No. 223,010. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Nov. 7, 1925.

Particular description of goods.—Leather Polish.

Claims use since November, 1890.

Ser. No. 223,181. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 12, 1925.



No claim is made to the representation of the box bearing the trade-mark. The mark consists of a dark-green band with a red stripe near the edges thereof running around the sides of a container.

Particular description of goods.—Dry Batteries and Flash Lights.

Claims use since Oct. 17, 1925.

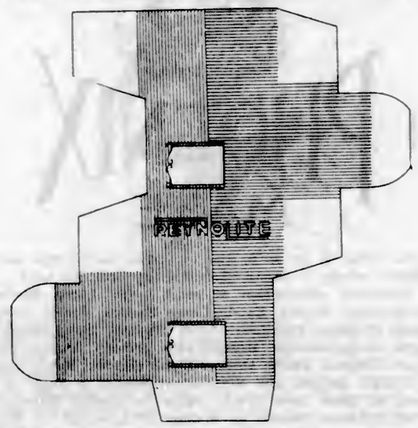
Ser. No. 223,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELLMUTH SCHUBERTH, doing business as Hellmuth Schuberth Versand Apotheke, Mollis, Switzerland. Filed Nov. 12, 1925.

Forsanose

Particular description of goods.—Medicinal Tablet to be Taken as a General Tonic and Strengthening Medicine.

Claims use since Aug. 17, 1917.

Ser. No. 223,255. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Nov. 13, 1925.



The drawing is lined to indicate that a portion of the left side of the carton blank shown is colored red and

a portion of the adjacent right side blue, the unlined portions indicating white. The two ornamental panels and the letters of the word shown are also white. No claim is made to the representation of a carton blank.

Particular description of goods.—Straight Two-Way Plugs, Angle Two-Way Plugs, Angle Three-Way Convenience Taps, Straight Three-Way Convenience Outlets, Convenience Taps, Appliance-Cord Switches, Separable Attachment Plugs, Heater-Connecter Plugs, Switched Heater Connecter Plugs, Appliance-Cord Sets, Switches, Outlets, Flush Plates, Push Plates, Sockets, Attachment Plugs, Receptacle Plates, Toggle Switch Plates, Push Switch Plates, Heater-Cord Sets, Switched Heater-Cord Sets, Single Receptacle Plates, and Duplex Receptacle Plates.

Claims use since July 20, 1925.

Ser. No. 223,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRESCENT PHARMACAL CO., Glenside, Pa. Filed Nov. 18, 1925.

No claim is made to the words "The Mint Candy Laxative" apart from the mark shown in the drawing. The drawing is lined for color to agree with the color shown.

Particular description of goods.—Laxatives.

Claims use since about July 2, 1924.

Ser. No. 223,485. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PHOENIX IMPORT CO. INC., New York, N. Y. Filed Nov. 18, 1925.

No claim is made to the exclusive use of the word "Make" except as shown in connection with the mark.

Particular description of goods.—Silk Lamp Shades, Table-Lamp Shades, Candle-Lamp Shades, Junior Floor-Lamp Shades, Parchment and Beaded Lamp Shades, Lamp-Shade Covers, Bridge-Lamp Shades, Fancy Bed-Light Shades, Fancy Dresser-Light Shades, Fancy Boudoir-Light Shades, and Night-Light Shades in Form of a Doll, All Made from Fabric, Paper, or Similar Materials, With Ribbons, Beads, or Similar Decorations on Wire Frames.

Claims use since Jan. 1, 1922.

Ser. No. 223,531. (CLASS 39. CLOTHING.) LOB-FUHRMAN-BENDER COMPANY, INC., Philadelphia, Pa. Filed Nov. 19, 1925.

Golfour

Particular description of goods.—Men's Suits, Coats, Vests, and Trousers.

Claims use since February, 1925.

Ser. No. 223,650. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Nov. 21, 1925.

MAYBOY

Particular description of goods.—Boys' Blouses, Shirts, and Wash Suits.

Claims use since Nov. 9, 1925.

Ser. No. 223,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REMICK PRODUCTS, INC., New York, N. Y. Filed Nov. 21, 1925.

No claim is made to the exclusive use of the words "Remick," "Products," and "Incorporated" apart from the mark shown.

Particular description of goods.—Barbers' Toilet Supplies—Namely, Hairdressing, Hair Tonic, and Lilac Vegetal.

Claims use since Sept. 1, 1921.

Ser. No. 223,677. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed Nov. 23, 1925.

Agfa

Particular description of goods.—Cameras and Parts Therefor.

Claims use since Feb. 17, 1925.

Ser. No. 223,764. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOSCH DISTRIBUTING CO., Boston, Mass. Filed Nov. 24, 1925.

KICK

Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Oct. 10, 1925.

Ser. No. 223,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. AVANZINO & BROTHER, INC., Boston, Mass. Filed Nov. 27, 1925.

No claim is made to the representation of the goods shown apart from the mark shown in the drawing.

Particular description of goods.—Canned Vegetables.

Claims use since Feb. 1, 1925.

Ser. No. 223,939. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del. Filed Nov. 27, 1925.

PAY CHECK

Particular description of goods.—Overalls and Work Clothes—viz, Work Pants, Shirts, and Jumpers.

Claims use since Oct. 29, 1925.

Ser. No. 224,126. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ZISCH ENGINEERING CORPORATION, Newark, N. J. Filed Dec. 2, 1925.

ZECO

Particular description of goods.—Radio Loud Speakers, Loud-Speaking Units, Head Sets and Parts Thereof, Flash Plates, and Electric Water Heaters.

Claims use since Sept. 15, 1925.

Ser. No. 224,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAG-HART MALT PRODUCTS CO., La Crosse, Wis. Filed Dec. 5, 1925.

OH BOY

Particular description of goods.—Malt-Sirup Extracts Flavored With Hops for Use as a Food.

Claims use since June 19, 1922.

Ser. No. 224,326. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FOREST BRUSH WORKS LIMITED, London, England. Filed Dec. 7, 1925.

PETER PAN

Particular description of goods.—Brushes—Namely, Toilet Brushes, Hairbrushes, Toothbrushes, Nail Brushes, Clothes Brushes, Hat Brushes, and Brushes for Domestic Uses, Such as Sweeping Brushes, and Brushes Used in Connection With Cleansing Household Utensils, Plate, and Household Equipment Generally.

Claims use since about Mar. 20, 1925.

Ser. No. 224,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JASS MFG. CO., Atlanta, Ga., and Philadelphia, Pa. Filed Dec. 16, 1925.

The expression "Macker-All of America with the Original Flavor" is disclaimed apart from the other features of the mark shown in the drawing. The pictorial representation of the mackerel is disclaimed also.

Particular description of goods.—Preserved Mackerel.

Claims use since Dec. 4, 1922.

Ser. No. 224,794. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE LEON L. WOLF WATERPROOF FABRIC COMPANY, Cincinnati, Ohio. Filed Dec. 16, 1925.

Applicant disclaims exclusive right to the use of the phrases "Water-Proof" and "Trade-Mark" except in the particular association in which they appear on the mark.

Particular description of goods.—Waterproof Fabrics for Car Roofing, Bus Roofing, Automobiles, Upholstering, and for Household Use, Such as Table, Floor, and Other Covering.

Claims use since November, 1925.

Ser. No. 225,002. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN IMPORTING COMPANY, New York, N. Y. Filed Dec. 22, 1925.

AMITEX

Particular description of goods.—Ticking.
Claims use since March, 1925.

Ser. No. 225,094. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) IMPROVED METHOD PAINT PRODUCTS CO. INC., Los Angeles, Calif. Filed Dec. 23, 1925.

The words "Improved Method Paint" are disclaimed apart from the mark shown.
Particular description of goods.—Mixed Paints and Wood Fillers.
Claims use since Aug. 1, 1925.

Ser. No. 225,105. (CLASS 32. FURNITURE AND UPHOLSTERY.) BENNETT MANUFACTURING COMPANY, Alden, N. Y. Filed Dec. 24, 1925.

Particular description of goods.—Household Cabinets, Such as Medicine and Bathroom Cabinets.
Claims use since June 26, 1922.

Ser. No. 225,156. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM B. KEELING, Chicago, Ill. Filed Dec. 24, 1925.

Smith's Asthma Cure
Entered at Stationers' Hall, London, Eng. and District Court of U. S. for Wisconsin.
PRICE, 60 CENTS.
PREPARED BY
ALF. SENIER & CO.
Pharmaceutical Chemists,
LONDON, ENGLAND.
AND
OAK PARK ILL., U. S. A.

No claim is made to the wording apart from the mark shown.
Particular description of goods.—Preparation for the Treatment of Asthma.
Claims use since Nov. 16, 1920.

Ser. No. 225,192. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOPPE & HOPPE, Chicago, Ill. Filed Dec. 26, 1925.

Reddy

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, Eyebrow Pencils, Lip Sticks, Lip Pomades, Bandolines, Sachets, and Compacts.
Claims use since Nov. 25, 1925.

Ser. No. 225,200. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLIVE PRODUCTS COMPANY, Oroville, Calif. Filed Dec. 26, 1925.

MT. IDA

Particular description of goods.—Olives and Olive Oil in Tin and Glass.
Claims use since 1915.

Ser. No. 225,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIMPERT BROS., INC., New York, N. Y. Filed Jan. 2, 1926.

CHOC-O-SYRO

Particular description of goods.—Chocolate Sirup for Beverage Purposes.
Claims use since Jan. 19, 1925.

Ser. No. 225,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BESSIE POULOS, New York, N. Y. Filed Jan. 2, 1926.

BEE

Particular description of goods.—Healing Salve Used for the Healing of Burns, Wounds, Pimples, Itch, Eczema, and Rheumatism.
Claims use since about June 1, 1925

Ser. No. 225,458. (CLASS 32. FURNITURE AND UPHOLSTERY.) WASHINGTON PARLOR FURNITURE CO., Chicago, Ill. Filed Jan. 2, 1926.

Parlor
Washington Furniture Co.

The lining shown in the drawing represents shading only. No claim is made to the words "Parlor Furniture Co." apart from the mark shown.
Particular description of goods.—Household Furniture—Namely, Davenports, Chairs, Benches, Love Seats, Cane Suites, and Chaise Longues.
Claims use since July, 1919.

Ser. No. 225,599. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) KARL DELICA, doing business as Kleen Wall Products Company, Portland, Oreg. Filed Jan. 7, 1926.

KLEEN-WALL

Particular description of goods.—Radiator Shields for Hot-Air, Steam, and Hot-Water Radiators.
Claims use since July 1, 1925.

Ser. No. 225,625. (CLASS 15. OILS AND GREASES.) TEXAS PACIFIC COAL AND OIL COMPANY, Fort Worth, Tex. Filed Jan. 7, 1926.

TP

Particular description of goods.—Refined Petroleum Products—To Wit, Illuminating and Fuel Oils, Gasoline and Casing-Head Gas; Gravity Distillates, Straw and Black Color; Filtered Stocks, Naphthas, Refined Paraffin Wax and White Crude Scale Wax, and Filtered Pale and Red Oils.
Claims use since Dec. 1, 1925.

Ser. No. 225,628. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRU-BLU BISCUIT COMPANY, Spokane, Wash. Filed Jan. 7, 1926.

KRAUSE'S
Krause's OLD TYME HOREHOUND

No registration rights are claimed in the surname "Krause," the word "Horehound," also "Krause's," or to the pictorial representation of the goods apart from the mark shown in its entirety.
Particular description of goods.—Candy.
Claims use since Sept. 14, 1914.

Ser. No. 225,690. (CLASS 15. OILS AND GREASES.) JOS. L. GARVER, doing business as Jos. L. Garver Oil Co., Hamilton, Ohio. Filed Jan. 8, 1926.

GOMO

Particular description of goods.—Gasoline, Lubricating Oils and Grease.
Claims use since on or about Feb. 25, 1925.

Ser. No. 225,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. VON ALLMEN PRESERVING CO., Louisville, Ky. Filed Jan. 9, 1926.

PRESTIGE

Particular description of goods.—Mayonnaise, Thousand Island Dressing, and Sandwich Spread Having a Mayonnaise Base.
Claims use since January, 1925.

Ser. No. 225,784. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN AIR COMPRESSOR WORKS, Norristown, Pa. Filed Jan. 11, 1926.

PRONTO SPRAY

No claim is made for the exclusive use of the word "Spray."

Particular description of goods.—Apparatus for Spraying and Blowing Insecticide, Disinfectant, Paint, Varnish, and Analogous Materials by Compressed Air.

Claims use since Dec. 28, 1925.

Ser. No. 225,822. (CLASS 37. PAPER AND STATIONERY.) THE ANCRAM PAPER MILLS, New York, N. Y. Filed Jan. 12, 1926.

A

Particular description of goods.—Tissue Paper.

Claims use since 1906.

Ser. No. 225,901. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. C. WELLS & Co., Le Roy, N. Y. Filed Jan. 13, 1926.

CELERY KING

Particular description of goods.—Remedy for Constipation.

Claims use since about Mar. 1, 1893.

Ser. No. 225,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. C. WELLS & Co., Le Roy, N. Y. Filed Jan. 13, 1926.

CELERY KING

No claim is made to the word "Celery" apart from the mark shown.

Particular description of goods.—Remedy for Constipation.

Claims use since July 1, 1898.

Ser. No. 225,970. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PITTSBURGH PLATE GLASS COMPANY, RENNOUS-KLEINLE DIVISION, Baltimore, Md. Filed Jan. 15, 1926.

ARKAY

Particular description of goods.—Brushes—Namely, Artists', Calcimine, Fitch, Fresco, Flowing, Furniture, Rubbing, Glue, Paint, Paste, Paper-Hangers', Plasterers', Radiator, Roof, Floor, Sash, Ship-Seaming, Stucco, Stencil, Stippling, Sweeping, Varnish, Whitewash, Washing, and Counter, and Painters' and Stair Dusters.

Claims use since Nov. 15, 1922.

Ser. No. 225,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y., assignor to Caleb Crawford Company, Long Island City, N. Y., a Corporation of New York. Filed Jan. 16, 1926.

CHU-LAX

Particular description of goods.—Chewing Gum.

Claims use since Jan. 8, 1926.

Ser. No. 226,005. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) O. W. JACKSON & Co., INCORPORATED, New York, N. Y. Filed Jan. 16, 1926.

TYL-A-MAT

The word "Mat" is disclaimed except as shown in connection with the drawing.

Particular description of goods.—Rubber Floor Mats.

Claims use since Dec. 4, 1924.

Ser. No. 226,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. GOSSE & COMPANY, also doing business as Triangle Tea Co., Seattle, Wash. Filed Jan. 18, 1926.

RED TRIANGLE

Applicant disclaims the use of the color red or of other like color apart from the mark shown.

Particular description of goods.—Tea.

Claims use since Dec. 21, 1925.

Ser. No. 226,055. (CLASS 12. CONSTRUCTION MATERIALS.) THE HARRIS-MURRAY COMPANY, Cleveland, Ohio. Filed Jan. 18, 1926.

"RED-HOT"

The mark is usually printed in a red color.

Particular description of goods.—Pebble Lime.

Claims use since Jan. 1, 1925.

Ser. No. 226,061. (CLASS 39. CLOTHING.) LA MODE GARMENT CO., Chicago, Ill. Filed Jan. 18, 1926.

Correct Mode

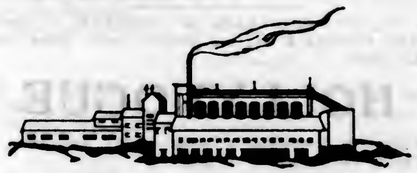
No claim is made to the exclusive use of the words "Correct Mode" apart from the mark shown on the drawing.

Particular description of goods.—Women's and Children's Clothing—Namely, Ties, Cravats, Mufflers, and Collars, Slips, Bloomers, Gowns, Vests, Step-Ins, Pyjamas, Petticoats, Chemises, Negligees, Drawers of Textile Fabric, Garters, Blouses, Boudoir Caps, Brassières, Bandeaux, Bed Sacks, House Dresses, Kimonos, Aprons, Athletic Underwear.

Claims use since November, 1924.

Ser. No. 226,086. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Jan. 18, 1926.

CREME



The word "Creme" is disclaimed apart from the mark as shown.

Particular description of goods.—Wall Plaster, Finishing Plaster, Stucco, and Finishing Lime.

Claims use since Dec. 1, 1925.

Ser. No. 226,094. (CLASS 39. CLOTHING.) PHIL CADES, Philadelphia, Pa. Filed Jan. 19, 1926.

MENS FINE FURNISHINGS CADES PHILADELPHIA

No claim is made to the words "Men's Fine Furnishings, Philadelphia," and "Cades" aside from the mark shown.

Particular description of goods.—Men's Furnishings—Namely, Dress and Negligee Shirts, Ties, Collars, Pyjamas, Underwear of Knitted and Textile Fabrics, Bath Robes, Reefers, Topcoats, Hosiery, Vests, Sweaters; Caps for Men, Women, and Children; and Bathing Suits.

Claims use since Oct. 1, 1910.

Ser. No. 226,111. (CLASS 12. CONSTRUCTION MATERIALS.) ROACH & MUSSER COMPANY, Muscatine, Iowa. Filed Jan. 19, 1926.

WHITE PINE PEERLESS FRAMES

No claim is made to the words "White Pine Frames" nor the word "Peerless" nor to the representation of the white pine frame, and the same are expressly disclaimed except in the mark shown.

Particular description of goods.—Window and Door Frames.

Claims use since Jan. 6, 1926.

Ser. No. 226,123. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ATLAS PRODUCTS CO., Los Angeles, Calif. Filed Jan. 20, 1926.

Fits-kit

Particular description of goods.—Hack Saws.

Claims use since Nov. 15, 1925.

Ser. No. 226,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HANDEL-LANGE & HANDEL, Lodi, Calif. Filed Jan. 20, 1926.

ELK

"Elk."

Particular description of goods.—Fresh Grapes.

Claims use since Sept. 1, 1920.

Ser. No. 226,143. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOPE FOUNDRY & MACHINE CO., INC., Maplewood and Hilton, N. J. Filed Jan. 20, 1926.

HOPE

Particular description of goods.—Cable Boxes, Loom Plates, Weather Caps, and Capped Elbows.

Claims use since 1914.

Ser. No. 226,186. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DRAPER-MAYNARD COMPANY, Plymouth, N. H. Filed Jan. 21, 1926.

POINTER

Particular description of goods.—Golf Clubs.
Claims use since Dec. 1, 1925.

Ser. No. 226,187. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DURANT MOTOCOVER CO., INC., New York, N. Y. Filed Jan. 21, 1926.

Fandango

Particular description of goods.—Automobile Seat Covers.
Claims use since October, 1923.

Ser. No. 226,196. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Jan. 21, 1926.

SUNYLAND

"Sunyland."
Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.
Claims use since Dec. 10, 1925.

Ser. No. 226,205. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PEASLEE-GAULBERT CO., Louisville, Ky. Filed Jan. 21, 1926.

WONDERLOID

Particular description of goods.—Brushing Lacquer.
Claims use since Dec. 28, 1925.

Ser. No. 226,210. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PROTEXCAR MFG. CO., New York, N. Y. Filed Jan. 21, 1926.

PROTEXCAR

Particular description of goods.—Automobile Seat Covers.
Claims use since June, 1925.

Ser. No. 226,241. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. FRANK & SONS, Philadelphia, Pa. Filed Jan. 22, 1926.

Betsy Ross

"Betsy Ross."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—viz, Ginger Ale.
Claims use since Jan. 13, 1905.

Ser. No. 226,243. (CLASS 39. CLOTHING.) GOLDMAN, SIMMONS & CO., Los Angeles, Calif. Filed Jan. 22, 1926.

HOLLYVOGUE

Particular description of goods.—Men's Neckties.
Claims use since Dec. 1, 1925.

Ser. No. 226,260. (CLASS 39. CLOTHING.) SMITH & WELTON INC., Norfolk, Va. Filed Jan 22, 1926.

NORFOLK'S FASHION CENTER INC

Fashion-Right

No claim is made to the exclusive use of the words "Norfolk's Fashion Center" apart from the mark as shown.
Particular description of goods.—Men's, Ladies', and Misses' Coats, Hosiery, Underwear of Knitted or Textile Fabrics, Waists; Dress, Negligee, Work, and Under Shirts; Ties, Socks, Belts for Personal Wear, Corsets, Collars, Hats; Gloves of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since 1923 as regards the peacock design and since January, 1925, as regards the words "Fashion-Right."

Ser. No. 226,290. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KORO ELECTRIC CORPORATION, Chicago, Ill. Filed Jan. 23, 1926.

"KORO"

The drawing is lined to indicate the color red.
Particular description of goods.—Electrodes and Rods for Welding and Arc Welding.
Claims use since about October, 1924.

Ser. No. 226,331. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BUCKEYE ALUMINUM COMPANY, Wooster, Ohio. Filed Jan. 25, 1926.

ALUMINEX

The mark is lined for shading and does not denote color.
Particular description of goods.—Cooking Utensils and Kitchen Ware—Namely, Pails, Kettles, Pots, Pans, Griddles, and Roasters.
Claims use since Dec. 21, 1925.

Ser. No. 226,376. (CLASS 12. CONSTRUCTION MATERIALS.) L. E. RODGERS CLAY PRODUCTS COMPANY, Ottawa, Ill. Filed Jan. 25, 1926.

RISTOKRAT

"Ristokrat."
Particular description of goods.—Ceramic Articles Such as Bricks, Tiles, Culverts, Sewer Pipes, Made from Clay, Sand, Gravel, Limestone, Lime, and Cement.
Claims use since Nov. 25, 1925.

Ser. No. 226,384. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LESLIE L. STEINDLER, New York, N. Y. Filed Jan. 25, 1926.

MOT-ACS

Particular description of goods.—Automobile Heaters.
Claims use since Jan. 4, 1926.

Ser. No. 226,388. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TYLER MANUFACTURING COMPANY, Muncie, Ind. Filed Jan. 25, 1926.

SUPER - SIEVE

The word "Sieve" is disclaimed apart from the prefix "Super."
Particular description of goods.—Colanders.
Claims use since Dec. 1, 1925.

Ser. No. 226,453. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Jan. 26, 1926.

TOXITE

Particular description of goods.—Dry, Ready-Mixed, and Paste Paints, Varnishes, and Paint Enamels.
Claims use since about December, 1923.

Ser. No. 226,454. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VAN CAMP HARDWARE & IRON COMPANY, doing business as The Van Camp Company, Indianapolis, Ind. Filed Jan. 26, 1926.

VANLAC

No claim is made to the word "Lac" except in its association with other features of the mark.
Particular description of goods.—Lacquers.
Claims use since Jan. 1, 1926.

Ser. No. 226,487. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HELEN SARGENT HITCHCOCK, New York, N. Y. Filed Jan. 27, 1926.

FLEXY

Particular description of goods.—Dolls and Toy Animals.
Claims use since Sept. 24, 1925.

Ser. No. 226,490. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KARAS ELECTRIC COMPANY, Chicago, Ill. Filed Jan. 27, 1926.

KARAS ORTHOMETRIC

No claim is made to the exclusive use of the word "Karas" except in the form and relation shown.
Particular description of goods.—Radio Supplies, and Particularly Electric Condensers.
Claims use since June, 1925.

Ser. No. 226,491. (CLASS 39. CLOTHING.) KIDDIES PAL COMPANY, New York, N. Y. Filed Jan. 27, 1926.

ON-n-OFF

Particular description of goods.—Infants' Dresses.
Claims use since Aug. 25, 1925.

Ser. No. 226,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL ICE CREAM CO., Louisville, Ky. Filed Jan. 27, 1926.

KOLD-KISS

Particular description of goods.—Ice Cream.
Claims use since Dec. 31, 1925.

Ser. No. 226,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL ICE CREAM CO., Louisville, Ky. Filed Jan. 27, 1926.

ICITART

Particular description of goods.—Ice Cream.
Claims use since Dec. 31, 1925.

Ser. No. 226,501. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NORTH AMERICAN CEMENT CORPORATION, Hagerstown, Md. Filed Jan. 27, 1926.

SAFETY WHITE

Applicant makes no claim to the word "White" apart from the mark as shown.
Particular description of goods.—Preparation for Use in Making Whitewash for Cellars, Fences, Henhouses, Garages, and General Use.
Claims use since Mar. 31, 1925.

Ser. No. 226,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRUNO OLIVA, Buffalo, N. Y. Filed Jan. 27, 1926.

BRUNO OLIVA

The portrait shown in the drawing is that of applicant.
Particular description of goods.—Preparation for Dandruff, Falling Hair, and for Promoting the Growth of Hair.
Claims use since Dec. 1, 1925.

Ser. No. 226,514. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROYAL RADIO CORPORATION, Providence, R. I. Filed Jan. 27, 1926.

Polle Royal

"Polle Royal."
Particular description of goods.—Radio Receiving Sets and Radio Parts, Specifically Condensers, Transformers, Plugs, Switches, and Jacks.
Claims use since Oct. 2, 1925.

Ser. No. 226,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIPMAN & LIPMAN, doing business as Tuccia Oil Co., New York, N. Y. Filed Jan. 28, 1926.

The wording on the drawing excepting the word "Tuccia" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Olive Oil.
Claims use since Dec. 14, 1925.

Ser. No. 226,582. (CLASS 15. OILS AND GREASES.) VINCENT A. BUCHHOLTZ, doing business as Independent Motor Fuel Supply, Cumberland, Md. Filed Jan. 29, 1926.

DEPENZOL

Particular description of goods.—Lubricating Oils and Greases and Gasoline.
Claims use since Aug. 1, 1925.

Ser. No. 226,596. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. J. OSBORN COMPANY, New York, N. Y. Filed Jan. 29, 1926.

SUPERLITH

Particular description of goods.—Lithopone Product in Powdered Form.
Claims use since about Dec. 1, 1925.

Ser. No. 226,606. (CLASS 39. CLOTHING.) KATHERINE B. SUNDERLAND, Danbury, Conn. Filed Jan. 29, 1926.

Pats

Particular description of goods.—Stocking Protectors.
Claims use since November, 1924.

Ser. No. 226,640. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DETROIT WHITE LEAD WORKS, Detroit, Mich. Filed Jan. 30, 1926.

DETROLASTIC

Particular description of goods.—Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Japans, Varnishes, Stains, and Fillers.
Claims use since Oct. 15, 1925.

Ser. No. 226,705. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN BODY COMPANY INCORPORATED, Dallas, Tex. Filed Feb. 1, 1926.

The Motorobe

No claim is made herein to the words "A Wardrobe Delivery on Wheels" apart from the mark shown in the drawing.
Particular description of goods.—Vehicle Bodies.
Claims use since June 1, 1925.

Ser. No. 226,777. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LOVETT & SON, Chattanooga, Tenn. Filed Feb. 2, 1926.

Exclusive use of the word "Coal" is disclaimed apart from the mark shown.
Particular description of goods.—Coal.
Claims use since about December, 1924.

Ser. No. 226,805. (CLASS 37. PAPER AND STATIONERY.) CONNECTICUT VALLEY PAPER & ENVELOPE COMPANY, New York, N. Y. Filed Feb. 3, 1926.

BRIARCLIFF

Particular description of goods.—Bond Paper.
Claims use since Nov. 4, 1925.

Ser. No. 226,833. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELIZABETH ALICE SINER, Terre Haute, Ind. Filed Feb. 3, 1926.

VETRO

Particular description of goods.—Supporting Compartment Medicine Dropper.
Claims use since January, 1923.

Ser. No. 226,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZIGMUNT F. WARD, Los Angeles, Calif. Filed Feb. 3, 1926.

No claim is made to the wording or the representation of the label. The portrait is that of applicant.
Particular description of goods.—Liniment.
Claims use since Mar. 1, 1924.

Ser. No. 226,845. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLONIAL CHEMICAL CORP., Reading, Pa. Filed Feb. 4, 1926.

Flyosan

Particular description of goods.—Hand Sprayers.
Claims use since Mar. 1, 1923.

Ser. No. 226,862. (CLASS 39. CLOTHING.) PENN LEATHER COMPANY, Philadelphia, Pa. Filed Feb. 4, 1926.

Particular description of goods.—Leather Soles, Taps, Tap Soles, and Half Soles.
Claims use since May 11, 1920.

Ser. No. 226,884. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) W. T. COPELAND & SONS, Stoke-on-Trent, Staffordshire, England. Filed Feb. 5, 1926. Under ten-year proviso.

SPODE

Particular description of goods.—China and Earthenware.
Claims use since 1770.

Ser. No. 226,914. (CLASS 12. CONSTRUCTION MATERIALS.) HORACE T. POTTS & CO., Philadelphia, Pa. Filed Feb. 5, 1926.

DEADLOCK

Particular description of goods.—Deformed Concrete Steel Bars.
Claims use since 1922.

Ser. No. 226,931. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN WATERPROOFING COMPANY, INC., Boston, Mass. Filed Feb. 5, 1926.

WESTERN'S DAMPPROOFING

No claim is made to the right to exclusive use of the word "Dampproofing" apart from the mark shown. The mark consists of the words "Western's Dampproofing."
Particular description of goods.—Asphalt Preparation for Rendering Walls and Other Surfaces Proof Against the Passage of Moisture Therethrough.
Claims use since Jan. 29, 1926.

Ser. No. 226,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Feb. 6, 1926.

The picture of the girl is fanciful.
Particular description of goods.—Chewing Gum.
Claims use since Jan. 9, 1926.

Ser. No. 226,958. (CLASS 37. PAPER AND STATIONERY.) ROBERT F. HOBBS, INC., Beverly, N. J. Filed Feb. 6, 1926.

ROBERT F HOBBS HOBBS INCORPORATED

Applicant disclaims the right to the exclusive use of the name "Robert F. Hobbs Incorporated" apart from the mark shown in the drawing.
Particular description of goods.—Wall Paper.
Claims use since Jan. 28, 1926.

Ser. No. 226,964. (CLASS 39. CLOTHING.) THE NATIONAL GLOVE COMPANY, Columbus, Ohio. Filed Feb. 6, 1926.

National NAPA KNIT

No claim is made for the word "Napa" and the word "Knit" apart from the mark shown in the drawing.
Particular description of goods.—Cloth Gloves With Leather Palms.
Claims use since Dec. 19, 1925.

Ser. No. 226,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. NONES & COMPANY, New York, N. Y. Filed Feb. 6, 1926.

Citrona

Particular description of goods.—Cured or Treated Citrous Fruits.
Claims use since Dec. 15, 1925.

Ser. No. 226,966. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OTTO ROTH, INC., Newark, N. J. Filed Feb. 6, 1926.

MOON

Particular description of goods.—Razor Blades.
Claims use since Oct. 15, 1925.

Ser. No. 226,999. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CHROBALTIC TOOL COMPANY, Michigan City, Ind. Filed Feb. 8, 1926.

VALENCITE

Particular description of goods.—Metallic Alloy Compounds.
Claims use since Sept. 1, 1925.

Ser. No. 227,016. (CLASS 39. CLOTHING.) MAX B. HILLMAN, New York, N. Y. Filed Feb. 8, 1926.

Applicant disclaims the right to the exclusive use of the name "Hillman's" apart from the trade-mark shown in the drawing.
Particular description of goods.—Caps and Hats for Men, Youths, and Boys.
Claims use since 1916.

Ser. No. 227,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTON E. JACOBSON, doing business as Gilt Edge Packing Co., San Francisco, Calif. Filed Feb. 9, 1926.

Gilt Edge

Particular description of goods.—Vinegar and Salad Oil (the Latter a Cottonseed Product).
Claims use since Sept. 10, 1910.

Ser. No. 227,119. (CLASS 33. GLASSWARE.) GLEASON-TIEBOUT GLASS COMPANY, Brooklyn, N. Y. Filed Feb. 10, 1926.

POINT 8 SAFETY UNIT

Applicant hereby disclaims proprietary rights in the words "Safety Unit" apart from the mark as shown.
Particular description of goods.—Glass Lighting Globes.
Claims use since Jan. 26, 1926.

Ser. No. 227,123. (CLASS 39. CLOTHING.) THE JOSEPH AND FEISS CO., Cleveland, Ohio. Filed Feb. 10, 1926.

Earl Pragg

Particular description of goods.—Men's Clothing and Men's Furnishings, Particularly Men's Suits, Trousers, Overcoats, Hats, Caps, Neckties, Collars, Dress, Negligee, Work and Under Shirts; Knitted and Textile-Fabric Underwear, Leather and Fabric Shoes, and Hosiery.
Claims use since Dec. 29, 1925.

Ser. No. 227,215. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BENNY LEONARD PHYSICAL CULTURE INSTITUTE, INC., New York, N. Y. Filed Feb. 12, 1926.

Benny Leonard

The mark is a facsimile of the signature of one Benny Leonard, who has an interest in applicant corporation.
Particular description of goods.—Dumb-bells.
Claims use since Apr. 1, 1925.

Ser. No. 227,236. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LANGLEY INGRAHAM, doing business as The Human-Olegy Co., Easton, Md. Filed Feb. 12, 1926.

HUMAN-OLEGY

Particular description of goods.—Table Game Played With Printed Slips With Check-Off Squares.
Claims use since Feb. 10, 1926.

Ser. No. 227,237. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN F. KAMPE, Long Island City, N. Y. Filed Feb. 12, 1926.

Particular description of goods.—Parlor and Living-Room Furniture, Comprising Sofas, Settees, Divans, Armchairs, Rocking-Chairs, and Other Chairs, Parlor Cabinets, Curio Cabinets, Consoles, Parlor Tables; Library Furniture, Comprising Library Tables, Chairs, Library Cabinets, Bookcases, Secretaries, and Desks; Piano Cases and Benches, Radio and Music Cabinets and Chairs; Dining-Room Furniture, Comprising China Closets, Dining-Room Tables, Sideboards, Serving Tables, Buffets, Tea Wagons, Cupboards, and Chairs; Bedroom Furniture, Comprising Chiffoniers, Chifforobes, Dressers, Dressing Tables, Vanity Tables, Bedsteads, Cribs, Chairs, Cabinets; Cedar and Household Chests, Household Cabinets, Sewing Cabinets, Highboys, Lowboys, Telephone Stands, Smoking Stands, Ferneries; Office Chairs, Tables, Desks, Bookcases, and Cabinets.
Claims use since Jan. 15, 1926.

Ser. No. 227,254. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Feb. 12, 1926.

Particular description of goods.—Brakes, Braking Systems, and Parts Thereof for Motor Vehicles.
Claims use since July 9, 1909.

Ser. No. 227,260. (CLASS 39. CLOTHING.) WELLAUER-NOLL SHOE MFG. CO., Milwaukee, Wis. Filed Feb. 12, 1926.

Twin Dandies

"Twin Dandies."
Particular description of goods.—Children's Shoes Made Partly or Wholly of Leather.
Claims use since Jan. 23, 1926.

Ser. No. 227,265. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) M. C. DE WITT, Orwell, Vt. Filed Feb. 13, 1926.

SATISFACTION

Particular description of goods.—Hand Soap.
Claims use since Feb. 3, 1926.

Ser. No. 227,300. (CLASS 12. CONSTRUCTION MATERIALS.) FINDLAY MILLAR TIMBER CO., Manila, P. I. Filed Feb. 15, 1926.

F.M.T.

Particular description of goods.—Lumber, Rough and Dressed.
Claims use since Sept. 1, 1922.

Ser. No. 227,309. (CLASS 39. CLOTHING.) JOHN DAVIS SHOE STORES, INC., Boston, Mass. Filed Feb. 15, 1926.

Particular description of goods.—Boots and Shoes of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Feb. 4, 1926.

Ser. No. 227,317. (CLASS 37. PAPER AND STATIONERY.) MICHIGAN CARTON CO., Battle Creek, Mich. Filed Feb. 15, 1926.

MICHCOTE BOARD

No rights are asserted to the exclusive use of the word "Board" apart from the trade-mark shown in the drawing.
Particular description of goods.—Cardboard.
Claims use since Feb. 26, 1924.

Ser. No. 227,319. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORRIS, MANN & REILLY, INC., Chicago, Ill. Filed Feb. 15, 1926.

M.M.R's

Particular description of goods.—Combs Not of Precious Metal and Intended for Use in Women's Hair.
Claims use since about Jan. 1, 1922.

Ser. No. 227,328. (CLASS 12. CONSTRUCTION MATERIALS.) ROBERT C. STUBBS, Dallas, Tex. Filed Feb. 15, 1926.

Armorplated

Particular description of goods.—Concrete Paving for Streets, Roads, and the Like.
Claims use since July 1, 1919.

Ser. No. 227,331. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE WILLIAMS COMPANY, London, Ohio. Filed Feb. 15, 1926.

RADIO

Particular description of goods.—Steel Wool.
Claims use since July 17, 1923.

Ser. No. 227,344. (CLASS 39. CLOTHING.) DOROTHY DODD SHOE COMPANY, Boston, Mass. Filed Feb. 16, 1926.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, Felt, Silk, Cloth, or Other Fabric Construction.
Claims use since Jan. 30, 1926.

Ser. No. 227,349. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN HAMMOND, Beacon, N. Y. Filed Feb. 16, 1926. Under ten-year proviso.

Particular description of goods.—Insecticide Powder.
Claims use since January, 1885.

Ser. No. 227,350. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN HAMMOND, Beacon, N. Y. Filed Feb. 16, 1926. Under ten-year proviso.

Particular description of goods.—Fungicide.
Claims use since 1886.

Ser. No. 227,354. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARMAND HOLTZ, Paris, France. Filed Feb. 16, 1926.

Citiane

Particular description of goods.—Soap.
Claims use since May 22, 1923.

Ser. No. 227,375. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ULLMAN-LEVINTHAL SILKS CORPORATION, New York, N. Y. Filed Feb. 16, 1926.

Crepe Josephine

Applicant disclaims exclusive right to the word "Crepe" except as the same is used in connection with the other features of the mark shown on the drawing.

Particular description of goods.—Silk, Artificial Silk, Cotton, or Combination Thereof in the Piece.

Claims use since Jan. 7, 1926.

Ser. No. 227,392. (CLASS 15. OILS AND GREASES.) COLONIAL FILLING STATIONS, INC., Boston, Mass., assignor to Beacon Oil Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1926.

Exclusive right to the legend "Colonial Filling Station, Inc." apart from its association with the other features of the mark is hereby disclaimed.

Particular description of goods.—Petroleum Products—Namely, Gasoline.

Claims use since on or about Dec. 1, 1925.

Ser. No. 227,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. NONES & Co., New York, N. Y. Filed Feb. 17, 1926.

"CEYLONA" COCONUT

Particular description of goods.—Coconut Desiccated, Preserved, or Otherwise Prepared.

Claims use since Feb. 13, 1926.

Ser. No. 227,413. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Feb. 17, 1926.

PERSANA

Particular description of goods.—Soaps—Namely, Soaps in Cake Form, Soap Pastes, and Soap Powders.

Claims use since July 8, 1911.

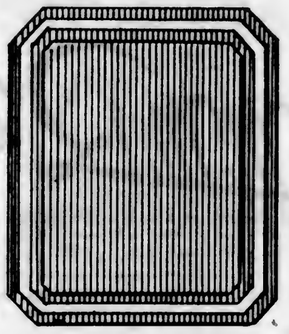
Ser. No. 227,417. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) REX PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 17, 1926.

FAN

Particular description of goods.—Soaps.

Claims use since Feb. 13, 1926.

Ser. No. 227,437. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BOWES SEAL FAST CORPORATION, Indianapolis, Ind. Filed Feb. 18, 1926.



The trade-mark is a color mark comprising the colors red, white, and red, as shown in the drawing, which is lined to indicate the color red, the representation of the goods in the drawing not being a part of the mark.

Particular description of goods.—Rubber Patches for Pneumatic Inner Tubes for Tires.

Claims use since Feb. 1, 1926.

Ser. No. 227,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA AVOCADO GROWERS EXCHANGE, Los Angeles, Calif. Filed Feb. 18, 1926.

CALAVO

Particular description of goods.—Avocados (Fresh Fruit.)

Claims use since Jan. 15, 1926.

Ser. No. 227,459. (CLASS 39. CLOTHING.) MANDRÉ, INC., doing business as M. Brooks & Co., Washington, D. C. Filed Feb. 18, 1926.

M·BROOKS & CO

No claim is made to the name "M. Brooks & Co."

Particular description of goods.—Women's and Misses' Dresses, Coats, Wraps, Suits, Blouses, Negligees, Bathing Suits, Sweaters, Raincoats, and Hats.

Claims use since about 1910.

Ser. No. 227,483. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WILBUR TEALE, Seattle, Wash. Filed Feb. 18, 1926.

HYDROIL

Particular description of goods.—Oil Burners.

Claims use since Nov. 1, 1924.

Ser. No. 227,508. (CLASS 37. PAPER AND STATIONERY.) THE BUZZA COMPANY, Minneapolis, Minn. Filed Feb. 19, 1926.

Chère Amie! (DEAR FRIEND)

Particular description of goods.—Gift Stationery—Namely, Envelopes and Writing Paper.

Claims use since Jan. 12, 1926.

Ser. No. 227,538. (CLASS 25. (LOCKS AND SAFES.) SHULMAN & SONS, New York, N. Y. Filed Feb. 19, 1926.

LITTLE BANKER

Particular description of goods.—Portable Savings Banks.

Claims use since about Dec. 10, 1925.

Ser. No. 227,553. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 20, 1926.

SUNGOLD

Particular description of goods.—Brick.

Claims use since February, 1925.

Ser. No. 227,554. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 20, 1926.

ORION

Particular description of goods.—Brick.

Claims use since February, 1925.

Ser. No. 227,555. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 20, 1926.

AURORA

Particular description of goods.—Brick.

Claims use since January, 1925.

Ser. No. 227,559. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Feb. 20, 1926.

AMPAD

Particular description of goods.—Cork Padding for Ironing and Pressing Machines.

Claims use since Nov. 10, 1925.

Ser. No. 227,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. J. BRACH & SONS, Chicago, Ill. Filed Feb. 20, 1926.

No claim is made to the surname "Brach's" apart from the mark as shown.

Particular description of goods.—Candy.

Claims use since Feb. 2, 1926.

Ser. No. 227,572. (CLASS 39. CLOTHING.) EASTERN TEXTILE CO., Omaha, Nebr. Filed Feb. 20, 1926.

TEX-STYLE

No claim is made to the exclusive use of the word "Style" apart from the mark as shown in the drawing.

Particular description of goods.—Overcoats, Dress Shirts, Work Shirts, Flannel Shirts, Flannel Knitted Bottom Shirts, Knitted and Textile Underwear; Hosiery for Men, Women, and Children; Sweaters, Raincoats; Neckwear—Namely, Ties and Collars.

Claims use since July 15, 1924.

Ser. No. 227,615. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE W. S. TYLER COMPANY, Cleveland, Ohio. Filed Feb. 20, 1926.

TUF-TEX

Particular description of goods.—Woven-Wire Screen Cloth.

Claims use since about Nov. 4, 1925.

Ser. No. 227,619. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ACKERMAN, BLAESSER, FEZZEY, INC., Detroit, Mich. Filed Feb. 23, 1926.

"COMMON-SENSE"

Particular description of goods.—Automobile Ventilators and Window Regulators.

Claims use since Jan. 27, 1923.

Ser. No. 227,643. (CLASS 39. CLOTHING.) HERMAN FIXMAN, doing business as The Pennsylvania Hosiery Co., Philadelphia, Pa. Filed Feb. 23, 1926.

No claim is made to the words "A Product" apart from the mark shown in the drawing.

Particular description of goods.—Hosiery, Knitted and Textile Underwear, Scarfs, Mufflers, Cravats, Men's Dress and Work Shirts, and Ladies' House Dresses.

Claims use since on or about Jan. 15, 1926.

Ser. No. 227,651. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. JACOBS AND COMPANY, New York, N. Y. Filed Feb. 23, 1926.

Rosewillow

Particular description of goods.—Household Linens—Namely, Sheets, Towels, Napkins, Doilies, Tablecloths, Bedspreads, Covers, and Pillowcases.

Claims use since Feb. 1, 1925.

Ser. No. 227,657. (CLASS 39. CLOTHING.) LOB-FUHRMAN-BENDER COMPANY, INC., Philadelphia, Pa. Filed Feb. 23, 1926.

Royal Palm

Particular description of goods.—Men's Suits, Coats, Vests, and Trousers.

Claims use since Jan. 15, 1926.

Ser. No. 227,658. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MAJESTIC PRODUCTS CORPORATION, Philadelphia, Pa. Filed Feb. 23, 1926.

HEIRLOOMS

Particular description of goods.—Liquid Polish for Gold, Silver, and Plated Ware.

Claims use since Dec. 28, 1925.

Ser. No. 227,700. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VICTOR RADIO CORPORATION, Chicago, Ill. Filed Feb. 23, 1926.

OPERETTA

Particular description of goods.—Radio Loud Speakers and Loud-Speaker Units.

Claims use since Feb. 18, 1926.

Ser. No. 227,709. (CLASS 39. CLOTHING.) ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa., and New York, N. Y. Filed Feb. 24, 1926.

DEBUTANTE

"Debutante."

Particular description of goods.—Ladies' Hosiery.

Claims use since March, 1925.

Ser. No. 227,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERCY F. CHAPLIN, London, England. Filed Feb. 24, 1926.

BENDOR

Particular description of goods.—Coffee.

Claims use since Aug. 1, 1925.

Ser. No. 227,720. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE DEEP SPRING COMPANY, Cleveland, Ohio. Filed Feb. 24, 1926.

DEEP SPRING

Particular description of goods.—Water, Carbonated Water, Root Beer, and Ginger Ale.

Claims use since about Jan. 1, 1923.

Ser. No. 227,743. (CLASS 25. LOCKS AND SAFES.) LLOYD B. HERSHEY, doing business as The Safe Padlock and Hardware Company, Lancaster, Pa. Filed Feb. 24, 1926.

SAFE

Particular description of goods.—Locks and Latches and Keys Therefor.

Claims use since on or about Jan. 1, 1893.

Ser. No. 227,748. (CLASS 39. CLOTHING.) NELKIN CLO. CO., INC., New York, N. Y. Filed Feb. 24, 1926.

Comrade

"Comrade."

Particular description of goods.—Men's and Young Men's Suits in One, Two, Three, and Four Piece Garments.

Claims use since Dec. 1, 1925.

Ser. No. 227,751. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed Feb. 24, 1926. Under ten-year proviso.

Brandt's

Particular description of goods.—Leather Boots, Shoes, and Slippers.

Claims use since about 1870.

Ser. No. 227,752. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PROGRESSIVE BROOM COMPANY, INC., Brooklyn, N. Y. Filed Feb. 24, 1926.

GOLD SEAL

Particular description of goods.—Brooms, Whisk Brooms, and Unimpregnated Cloth, Feather, and Wool Dusters.

Claims use since Feb. 2, 1926.

Ser. No. 227,765. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 24, 1926.

SILVIANA

Particular description of goods.—Cloth Comprised Entirely of Cotton and Cotton and Rayon or Cotton and Silk Mixtures.

Claims use since May 15, 1925.

Ser. No. 227,768. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN BEDFORD & SONS, LIMITED, Sheffield, England. Filed Feb. 25, 1926.

Particular description of goods.—Files.

Claims use since 1865.

Ser. No. 227,778. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CROSS AND BEGUELIN, New York, N. Y. Filed Feb. 25, 1926.

CROBEG

"Crobeg" coined from applicant's corporate name.

Particular description of goods.—Watches, Watch Movements, Watchcases, and Parts for Watches.

Claims use since June 15, 1925.

Ser. No. 227,789. (CLASS 17. TOBACCO PRODUCTS.) ROBERT S. GRAHAM, doing business as Carney-Graham Co., Paducah, Ky. Filed Feb. 25, 1926.

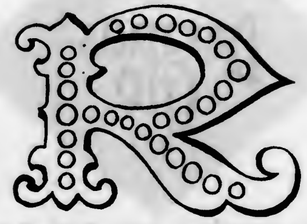
LUXURY

Particular description of goods.—Smoking Tobacco.

Claims use since Feb. 11, 1926.

Ser. No. 227,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS BROS. INC., Baltimore, Md. Filed Feb. 25, 1926.

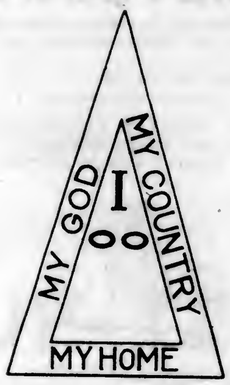
BIG



Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since 1898.

Ser. No. 227,815. (CLASS 33. GLASSWARE.) CURRAN L. SPOTSWOOD, Poplarville, Miss. Filed Feb. 25, 1926.



Particular description of goods.—Watch Crystals.
Claims use since Feb. 19, 1926.

Ser. No. 227,872. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AMERICAN WIREMOLD COMPANY, Hartford, Conn. Filed Feb. 27, 1926.

WIREFLEX

Particular description of goods.—Insulated Electric Wires.
Claims use since Aug. 27, 1925.

Ser. No. 227,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIFE PRODUCTS CORPORATION, Richmond, Va. Filed Feb. 27, 1926.

Derma-Glo

Particular description of goods.—Toilet Preparation for Use After Shaving, for Chapped Hands, and Other Such Purposes.
Claims use since September, 1925.

Ser. No. 227,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED D. GOLDSTEIN, doing business as The Stomatape Products Co., New York, N. Y. Filed Feb. 27, 1926.

ALKATAPE

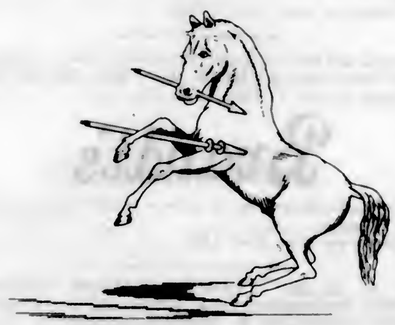
Particular description of goods.—Antiseptic and Antacid.
Claims use since Feb. 8, 1926.

Ser. No. 227,892. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) INLAND ENGINEERING COMPANY, Chicago, Ill. Filed Feb. 27, 1926.

ORO

Particular description of goods.—Conveyer Chains.
Claims use since Sept. 1, 1923.

Ser. No. 227,894. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE JOHNS-PRATT COMPANY, Hartford, Conn. Filed Feb. 27, 1926.



Particular description of goods.—Electrical Protective Circuit Opening and Controlling Devices—Namely, Switches, Fuses, Fuse Accessories, Cut-Outs and Inclosed Cases, Boxes, or Cabinets; Meter-Service Protective and Testing Devices—Namely, Service Switches, Meter Test Blocks, and Meter Protective Fittings; Electric Lighting and Service Supplies—Namely, Lamp Sockets and Underground Junction Boxes.
Claims use since about Jan. 1, 1925.

Ser. No. 227,912. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROTH-DOWNS MANUFACTURING CO., St. Paul, Minn. Filed Feb. 27, 1926.

Orpheus

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since about Sept. 1, 1923.

Ser. No. 227,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK OSWALD SCHENKE, New York, N. Y. Filed Feb. 27, 1926.

OSMA

Particular description of goods.—Preparation for the Relief of Coughs, Throat and Bronchial Irritations.
Claims use since Apr. 21, 1921.

Ser. No. 227,917. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE SETHNESS COMPANY, Chicago, Ill. Filed Feb. 27, 1926.

GOLDEN SPIKE

Particular description of goods.—Ginger Ale and Extract for Making Ginger Ale.
Claims use since Dec. 15, 1925.

Ser. No. 227,926. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WESTERN CHAIN COMPANY, Chicago, Ill. Filed Feb. 27, 1926.

WESCO

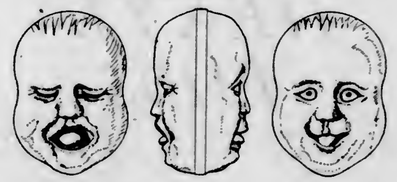
Particular description of goods.—Tire or Skid Chains for Automotive Vehicles.
Claims use since on or about May 1, 1925.

Ser. No. 227,928. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Feb. 27, 1926.

Wolverine

Particular description of goods.—Adjustable Traps, Duplex Traps, New York Pattern Traps, Bag Traps, Deep-Seal Traps, Centrifugal Traps, Drum Traps, Bath Traps, Waste and Overflows, Lavatory Valves, Compression Stops, Compression Stop and Wastes, Basin Supplies, Bath Supplies, Basin Cocks, Bath Cocks, Sill Cocks, Bath Connections, Basin Connections, Slip-Joint Connections, Slip-Joint Nuts, Handy Solder Fittings, Fine-Thread Fittings, Slip-Joint Fittings, Ferrules; Brass Fittings (Standard Iron-Pipe Threads), Such as Elbows, T's, Couplings, Unions, Flanges, Caps, Plugs, Bushings, Lock Nuts, and Nipples; Trap Screw Covers, Soldering Nipples, Soldering Unions, Hose Splices, Tank Levers, Shower Heads, Showers, China Escutcheons, Flanges, Double-Lock Links, Basin Plugs, Boiler Repairs, Tap Plugs, Pipe Strap, Backwater Valves, Refrigerator Drain Traps, Closet Elbows, Tank Balls, Rotary Head, Sewer Rods, Waste-Pipe Cleaner, Double Bath Fixture with Shower, Concealed Waste and Double Bath Supply, Concealed Waste Double Bath Supply and Shower, Valves, Double Bath Cocks.
Claims use since Mar. 1, 1915.

Ser. No. 227,950. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Mar. 1, 1926.



Particular description of goods.—Soap.
Claims use since Oct. 7, 1925.

Ser. No. 227,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY BESSEMER, doing business as Bessemer Chemical Company, New York, N. Y. Filed Mar. 2, 1926.

ODOFORM

Particular description of goods.—Antiseptic Preparations.
Claims use since December, 1921.

Ser. No. 227,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NANCE M. DELMARLE, Rochester, N. Y. Filed Mar. 2, 1926.

Particular description of goods.—Mustard Sauce and Salad Dressing.
Claims use since Dec. 14, 1925.

Ser. No. 228,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME "LABORATOIRES INNOXA," Paris, France. Filed Mar. 2, 1926.

INOXINE

Particular description of goods.—Perfumes, Toilet Waters, Talcum Powders, Face Creams, Face Powders, Lotion for the Skin and Hair, Brilliantine, Bath Salts, Rouges, and Dentifrices.
Claims use since August, 1924.

Ser. No. 228,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT AND BROWN, Richmond, Va. Filed Mar. 2, 1926.

HEXYL-PHOS

Particular description of goods.—Medicine in Tablet Form for Use as a Urinary Antiseptic in the Treatment of Pyletis, Cystitis, and Urethritis.
Claims use since May 7, 1925.

Ser. No. 228,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT AND BROWN, Richmond, Va. Filed Mar. 2, 1926.

SAN-HO

Particular description of goods.—Capsules for Use in the Treatment of Catarrhal Conditions of the Genito-Urinary Tract and Diseases of the Kidney and Bladder Caused by Such Conditions.
Claims use since May 17, 1925.

Ser. No. 228,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARNER & WARNER, Brooklyn, N. Y. Filed Mar. 2, 1926.

Particular description of goods.—Face Creams, Face Packs, Face Powders, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Incenses, Talcum Powders, and Sachets.
Claims use since Mar. 15, 1923.

Ser. No. 228,024. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 3, 1926.

Rayvelle

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Feb. 8, 1926.

Ser. No. 228,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DU-KANA, INC., Syracuse, N. Y. Filed Mar. 3, 1926.

CHAM-KĂNĂ

Particular description of goods.—Shampoo.
Claims use since about Feb. 19, 1926.

Ser. No. 228,034. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL HALPERN, doing business as Tinc-O-Dine Chemical Co., New York, N. Y. Filed Mar. 3, 1926.

TINC-O-DINE

Particular description of goods.—Antiseptic.
Claims use since Feb. 1, 1920.

Ser. No. 228,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER F. MURPHY CO., Philadelphia, Pa. Filed Mar. 3, 1926.

P.F.M.

Particular description of goods.—Chocolate Bars Containing Fresh Coconut and Fresh Cream.
Claims use since on or about Dec. 1, 1925.

Ser. No. 228,088. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa. Filed Mar. 4, 1926.

TU-∞-PAK

Particular description of goods.—Valve Seats.
Claims use since Nov. 10, 1925.

Ser. No. 228,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LANAIR CHEMICAL CORPORATION, Chicago, Ill. Filed Mar. 4, 1926.

Particular description of goods.—Liquid Insecticides.
Claims use since Feb. 23, 1926.

Ser. No. 228,143. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCOLDING LOCKS HAIRPIN COMPANY, Appleton, Wis. Filed Mar. 4, 1926.

Scolding Locks

Particular description of goods.—Hair Nets.
Claims use since Dec. 8, 1925.

Ser. No. 228,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARRENSBURG CANNING CO., Warrensburg, Ill. Filed Mar. 4, 1926.

Pleasewell

Particular description of goods.—Canned Corn.
Claims use since June 17, 1908.

Ser. No. 228,159. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Mar. 4, 1926.

CAMBRO

Particular description of goods.—Window-Shade Cloth.
Claims use since 1906.

Ser. No. 228,160. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Mar. 4, 1926.

LIBERTEX

Particular description of goods.—Bookbinders' Cloth.
Claims use since 1913.

Ser. No. 228,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Mar. 4, 1926.

WESTEX

Particular description of goods.—Window-Shade Cloth.
Claims use since Jan. 1, 1926.

Ser. No. 228,162. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Mar. 4, 1926.

WESTERN

Particular description of goods.—Window-Shade Cloth.
Claims use since 1897.

Ser. No. 228,164. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Mar. 4, 1926.

EXCELSIOR

Particular description of goods.—Window-Shade Cloth.
Claims use since 1897.

Ser. No. 228,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY ARMSTRONG, doing business as National Pharmacal Company, Birmingham, Ala. Filed Mar. 5, 1926.

ACE
ARMSTRONG'S COLD ELIMINANT

No claim is made to the word "Armstrong's" or to the term "Cold Eliminant" apart from the mark shown in the drawing.

Particular description of goods.—Medicinal Compound for Use as a Remedy for Colds.

Claims use since on or about Feb. 15, 1926.

Ser. No. 228,187. (CLASS 39. CLOTHING.) ISRAEL S. GREENBERG, doing business as Greenberg Mfg. Co., New York, N. Y. Filed Mar. 5, 1926.

Roxy

Particular description of goods.—Men's Dress and Negligee Shirts and Boys' Blouses.

Claims use since Oct. 19, 1925.

Ser. No. 228,227. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. B. CONRAD & CO., New York, N. Y. Filed Mar. 6, 1926.

RAYOGLO

Particular description of goods.—Woven and Knitted Goods, Rayon and Cotton and Silk Mixture.

Claims use since Jan. 1, 1926.

Ser. No. 228,241. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HEIN COMPANY, Pittsburgh, Pa. Filed Mar. 6, 1926.

Tribute

Particular description of goods.—Candy.

Claims use since Sept. 1, 1924.

Ser. No. 228,297. (CLASS 39. CLOTHING.) CARLTON MILLS, INC., New York, N. Y. Filed Mar. 8, 1926.

SOLITONE

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.

Claims use since Nov. 1, 1925.

Ser. No. 228,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CULTURED COFFEE CORPORATION, St. Louis, Mo. Filed Mar. 8, 1926.

AREX

Particular description of goods.—Cultured Coffee.

Claims use since on or about Jan. 11, 1926.

Ser. No. 228,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL CANDY CO., Milwaukee, Wis. Filed Mar. 8, 1926.

GEFILTE FISH

Particular description of goods.—Candy and Candy Bars.

Claims use since Feb. 23, 1926.

Ser. No. 228,310. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Mar. 8, 1926.

AZONINE

Particular description of goods.—Dyes and Dyestuffs.

Claims use since about July 6, 1923.

Ser. No. 228,335. (CLASS 39. CLOTHING.) SIGHOLZ COMPANY, INC., New York, N. Y. Filed Mar. 8, 1926.

Audrey Doris

Particular description of goods.—Women's Dresses, Coats, Suits, Wraps, Mantles, and Coats.

Claims use since about Apr. 10, 1925.

Ser. No. 228,348. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WESTERN CHAIN COMPANY, Chicago, Ill. Filed Mar. 8, 1926.

WESCO
TIRE CHAINS

No claim is made to the exclusive use of the words "Tire Chains" apart from the mark shown on the drawing.

Particular description of goods.—Tire or Skid Chains for Automotive Vehicles.

Claims use since on or about May 1, 1925.

Ser. No. 228,371. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Mar. 9, 1926.

CHING WING

"Ching Wing Shantung."

Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.

Claims use since Jan. 14, 1926.

Ser. No. 228,372. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Mar. 9, 1926.

TOPANGO

"Topango."

Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.

Claims use since Dec. 18, 1925.

Ser. No. 228,374. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Mar. 9, 1926.

WENDY

"Wendy."

Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.

Claims use since Dec. 10, 1925.

Ser. No. 228,385. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK A. McGOWAN, Canton, Ohio. Filed Mar. 9, 1926.

SO- and SO-

Particular description of goods.—Soap and Softener Powder.

Claims use since Mar. 6, 1926.

Ser. No. 228,390. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Mar. 9, 1926.

Philcuff

Particular description of goods.—Men's Dress and Negligee Shirts and Cuffs.

Claims use since Jan. 23, 1926.

Ser. No. 228,391. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES H. SMITH, Michigan Center, Mich. Filed Mar. 9, 1926.

MOR-LITE

Particular description of goods.—Glass Polish.

Claims use since October, 1925.

Ser. No. 228,432. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LAUGHLIN TEXTILE MILLS, INC., Waterford, N. Y. Filed Mar. 10, 1926.

Particular description of goods.—Tapes and Bindings.

Claims use since Jan. 1, 1921.

Ser. No. 228,443. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Mar. 10, 1926.

MOORTONE

Particular description of goods.—Knitted Textile Fabrics.

Claims use since December, 1925.

Ser. No. 228,444. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Mar. 10, 1926.

MIST-GLOW

Particular description of goods.—Knitted Textile Fabric.

Claims use since December, 1925.

Ser. No. 228,468. (CLASS 39. CLOTHING.) JOSEPH JOSEPH, San Francisco, Calif. Filed Mar. 11, 1926.

Park Lane

Particular description of goods.—Men's and Young Men's Coats, Vests, Trousers, and Overcoats.
Claims use since Feb. 18, 1926.

Ser. No. 228,470. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK COMPANY, Chicago, Ill. Filed Mar. 11, 1926.

Particular description of goods.—Soap.
Claims use since on or about Feb. 1, 1926.

Ser. No. 228,477. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARVLO MILLS, INC., New York, N. Y. Filed Mar. 11, 1926.

KIT KAT PRINTS

Applicant disclaims the use of the word "Prints" apart from the mark shown.
Particular description of goods.—Cotton, Silk, Artificial-Silk, Mixture of Cotton and Silk, Wool, Mixture of Wool and Silk, Mixture of Cotton and Silk Piece Goods.
Claims use since Mar. 1, 1926.

Ser. No. 228,499. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 11, 1926.

LADDIE

Particular description of goods.—Watches.
Claims use since Dec. 23, 1925.

Ser. No. 228,522. (CLASS 39. CLOTHING.) ABE BLAIR, doing business as Fantomfit Company, Chicago, Ill. Filed Mar. 12, 1926.

CORSABRA

Particular description of goods.—Corset and Brassière Combination of Cotton and Silk Textile Fabric or a Combination Thereof.
Claims use since Nov. 1, 1925.

Ser. No. 228,594. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAYDEN S. CAMPBELL, doing business as Pectone Products Co., St. Joseph, Mo. Filed Mar. 13, 1926.

Pectone

Particular description of goods.—Fruit-Jelling Preparation.
Claims use since about June 15, 1925.

Ser. No. 228,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. D. DINGMAN, doing business as The Thorine Company, Detroit, Mich. Filed Mar. 13, 1926.

THORINE

Particular description of goods.—Antiseptic Solution for the Treatment of Catarrhal Affections.
Claims use since Mar. 13, 1924.

Ser. No. 228,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW MCLAIN, Morgantown, W. Va. Filed Mar. 13, 1926.

Co - Co - Ic

Particular description of goods.—Liniment.
Claims use since Dec. 9, 1925.

Ser. No. 228,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONTEREY BAY ARTICHOKE GROWERS, INC., Monterey, Salinas, and Castroville, Calif. Filed Mar. 13, 1926.

SEA-LION

Particular description of goods.—Fresh Artichokes.
Claims use since July 1, 1925.

Ser. No. 228,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. WATTLES, doing business as W. E. Wattles & Sons, Detroit, Mich. Filed Mar. 13, 1926.

Pylherbs

Particular description of goods.—Salve for the Treatment of Piles.
Claims use since Feb. 11, 1926.

Ser. No. 228,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BRAND NEU COMPANY, INC., New York, N. Y. Filed Mar. 15, 1926.

ZIP

Particular description of goods.—Disinfectants.
Claims use since Feb. 11, 1926.

Ser. No. 228,650. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANCE BROTHERS & WHITE INC., Philadelphia, Pa. Filed Mar. 15, 1926.

SAN-TAL-CO

Particular description of goods.—Remedy for Diseases of the Urinary Organs.
Claims use since Aug. 3, 1925.

Ser. No. 228,651. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANCE BROTHERS & WHITE INC., Philadelphia, Pa. Filed Mar. 15, 1926.

Palax

Particular description of goods.—Mild and Effective Laxative for the Relief of Constipation, Biliousness, Sick Headache, Bad Breath, and Other Disorders Resulting from a Torpid Condition of the Liver, Stomach, and Bowels.
Claims use since Oct. 20, 1923.

Ser. No. 228,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANCE BROTHERS & WHITE INC., Philadelphia, Pa. Filed Mar. 15, 1926.

APCO

Particular description of goods.—Laxative Pill or Powder.
Claims use since Aug. 15, 1925.

Ser. No. 228,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TELAPAL COMPANY, INC., Bethlehem, Pa. Filed Mar. 15, 1926.

TELAPAL

Particular description of goods.—Antiseptic Tablets.
Claims use since Feb. 10, 1926.

Ser. No. 228,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR D. WAUCHOPE, doing business as Primrose Saratoga Chip Factory, Fresno, Calif. Filed Mar. 15, 1926.

PRIMROSE SARATOGA CHIPS

No claim is made to the words "Saratoga Chips" apart from the other features of the mark shown.
Particular description of goods.—Saratoga Chips.
Claims use since about Mar. 15, 1925.

Ser. No. 228,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILES A. WHITE, Glendale, Calif. Filed Mar. 15, 1926.

WONDERMINT

Particular description of goods.—Chewing Gum.
Claims use since Jan. 28, 1926.

Ser. No. 228,686. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS J. DISSER, Sr., Ferguson, Mo. Filed Mar. 16, 1926.

DEWKIST

Particular description of goods.—Chewing Gum.
Claims use since about Nov. 15, 1923.

Ser. No. 228,696. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUMBO LIMBO CORPORATION, New York, N. Y. Filed Mar. 16, 1926.

GUMBO LIMBO

Particular description of goods.—Drug and Medicinal Preparation Used as a Tonic and Rejuvenator.
Claims use since Mar. 10, 1926.

Ser. No. 228,699. (CLASS 27. HOROLOGICAL INSTRUMENTS.) STEPHEN R. HOFFMAN, doing business as Hoffman Watch Co., New York, N. Y. Filed Mar. 16, 1926.

ORLINS

Particular description of goods.—Watches, Clocks, Watch Movements and Parts Thereof, and Watchcases.
Claims use since February, 1925.

Ser. No. 228,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RACHEL LEWIS, Buffalo, N. Y. Filed Mar. 16, 1926.

SAT INA

Particular description of goods.—Hair Grower.
Claims use since Nov. 11, 1924.

Ser. No. 228,821. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) HORACE LE GRIS, doing business as Eveready Moistener Co., New York, N. Y. Filed Mar. 18, 1926.

EVEREADY

Particular description of goods.—Moisteners for Cigars, Cigarettes, and Manufactured Tobacco.
Claims use since Feb. 1, 1926.

Ser. No. 228,835. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL H. SIMS, doing business as Spax Mineral Company, Columbus, Ohio. Filed Mar. 18, 1926.

Particular description of goods.—Compound Soluble in Water to Aid in Eliminating Adipose Tissue.
Claims use since about Mar. 1, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 20, 1926.

211,686. BLANK PADS, RULED PADS, BLANK BOOKLETS, RULED BOOKLETS, BLANK FOLDERS, MAILING ENVELOPES, AND RULED STATIONERY IN GENERAL — NAMELY, ACCOUNTING FORMS, LEDGER FORMS, CASHBOOK FORMS, SALES - BOOK FORMS, PURCHASING - BOOK FORMS, AND STATEMENT FORMS. THE M. H. DAVIDSON COMPANY, New Haven, Conn.
Filed October 9, 1925. Serial No. 221,481. PUBLISHED FEBRUARY 9, 1926.

211,687. RADIO RECEIVING APPARATUS AND PARTS THEREOF—NAMELY, RESISTORS, RESISTANCE COUPLERS, RESISTANCE - COUPLED AMPLIFIERS, RESISTANCE - COUPLED AMPLIFIER TUBES, AND FILAMENT - REGULATING RESISTORS. VERY RADIO CO., Newark, N. J.
Filed October 7, 1925. Serial No. 221,392. PUBLISHED JANUARY 19, 1926.

211,688. CANNED VEGETABLES, ETC. CHARLES HEWITT & SONS CO., Des Moines, Iowa.
Filed September 21, 1925. Serial No. 220,532. PUBLISHED JANUARY 26, 1926.

211,689. WRITING INKS. CROSS-FANNING MANUFACTURING COMPANY, Houston, Tex.
Filed September 17, 1925. Serial No. 220,336. PUBLISHED JANUARY 19, 1926.

211,690. TOILET PAPER. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis.
Filed September 3, 1925. Serial No. 219,744. PUBLISHED FEBRUARY 9, 1926.

211,691. TOILET PAPER. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis.
Filed September 3, 1925. Serial No. 219,743. PUBLISHED FEBRUARY 9, 1926.

211,692. CORRUGATED CULVERTS, PLAIN CONDUCTOR PIPES, ROUND CORRUGATED CONDUCTOR PIPES, SQUARE CORRUGATED CONDUCTOR PIPES, PLAIN CONDUCTOR-PIPE ELBOWS AND SHOES, ROUND CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES, SQUARE CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES. NEWPORT ROLLING MILL CO., Newport, Ky.
Filed August 25, 1925. Serial No. 219,343. PUBLISHED FEBRUARY 9, 1926.

211,693. POWER-TRANSMISSION APPLIANCES. T. B. WOOD'S SONS COMPANY, Chambersburg, Pa.
Filed August 19, 1925. Serial No. 219,100. PUBLISHED DECEMBER 1, 1925.

211,694. METAL ART GOODS—NAMELY, INKWELLS, PEN TRAYS, PAPER KNIVES, LETTER RACKS, AND BLOTTER HOLDERS, AND BOOK MARKS. THE HEINTZ ART METAL SHOP, Buffalo, N. Y.
Filed August 18, 1925. Serial No. 219,033. PUBLISHED FEBRUARY 9, 1926.

211,695. TRANSMISSION FOR MOTOR VEHICLES. THE PRICE-HOLLISTER CO., Rockford, Ill.
Filed August 13, 1925. Serial No. 218,827. PUBLISHED SEPTEMBER 29, 1925.

211,696. CONTINUOUS-FEED DEVICE FOR DISPENSING WRITING PAPER. MARK MORAN, Seattle, Wash.
Filed August 11, 1925. Serial No. 218,714. PUBLISHED FEBRUARY 9, 1926.

211,697. REMEDY FOR THE TREATMENT AND REMOVAL OF CORNS AND BUNIONS. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed August 8, 1925. Serial No. 218,579. PUBLISHED JANUARY 26, 1926.

211,698. HOSIERY. SYDNEY M. PICK, doing business as Ultra Smart Hosiery Service, New York, N. Y., assignor to Metropole Hosiery Mills, Inc., New York, N. Y.
Filed July 14, 1925. Serial No. 217,363. PUBLISHED JANUARY 5, 1926.

211,699. LEATHER AND CANVAS BOOTS AND SHOES. CHARLES H. BROWN, New York, N. Y.
Filed June 9, 1925. Serial No. 215,501. PUBLISHED FEBRUARY 2, 1926.

211,700. ORANGES IN THEIR NATURAL STATE. STRATHMORE FRUIT GROWERS ASSOCIATION, Strathmore, Calif.
Filed June 2, 1925. Serial No. 215,222. PUBLISHED FEBRUARY 9, 1926.

211,701. LADIES' COSTUMES IN ONE, TWO, AND THREE - PIECE GARMENTS — VIZ, DRESSES, COATS, SUITS, AND SKIRTS. HYMAN W. GINSBURG, doing business as Graceline Stout Dress Co., New York, N. Y.
Filed May 4, 1925. Serial No. 213,780. PUBLISHED FEBRUARY 2, 1926.

211,702. SEPARABLE CUFF BUTTONS. J. V. PILCHER, doing business as J. V. Pilcher Mfg. Co., Louisville, Ky.
Filed February 28, 1925. Serial No. 210,315. PUBLISHED JUNE 23, 1925.

211,703. LABELS AND TAGS FOR ARTICLES OF MANUFACTURE MADE FROM WORUMBO. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed December 1, 1924. Serial No. 206,101. PUBLISHED FEBRUARY 9, 1926.

211,704. CLEANERS FOR CARPETS, RUGS, FURNITURE, AND THE LIKE. HARVEY STROMBERG, Detroit, Mich.
Filed April 16, 1923. Serial No. 179,235. PUBLISHED FEBRUARY 9, 1926.

211,705. LITHOGRAPHS, PHOTOGRAPHS, ADVERTISING CUTS AND MATS, AND PRESS BOOKS. ARROW FILM CORPORATION, New York, N. Y.
Filed September 28, 1922. Serial No. 169,998. PUBLISHED FEBRUARY 9, 1926.

211,706. RESISTANCE ELEMENTS—NAMELY, GRID LEAKS AND GRID RESISTANCES. THE PILOT ELECTRIC MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed August 12, 1925. Serial No. 218,775. PUBLISHED JANUARY 19, 1926.

211,707. ELECTRIC WIRE, ELECTRIC CONTACT PIECES, CORE AND ARMATURE PARTS, SPHERES FOR HIGH-TENSION ELECTRICAL APPARATUS, LOOP TUBES FOR RADIO APPARATUS, ELECTRIC AUTOMOBILE LAMPS, STORAGE-BATTERY TERMINAL PARTS, CONTACTS FOR RADIOMACHINES, MISCELLANEOUS PARTS OF VARIOUS ELECTRICAL APPARATUS, ELECTRIC IMMERSION HEATERS, ALL COATED WITH METAL. CHEMICAL TREATMENT COMPANY, INC., New York, N. Y.
Filed September 4, 1925. Serial No. 219,805. PUBLISHED JANUARY 26, 1926.

211,708. CANNED SALMON. NORTHWESTERN FISHERIES COMPANY, Chicago, Ill.
Filed April 19, 1924. Serial No. 195,828. PUBLISHED SEPTEMBER 16, 1924.

211,709. RADIO RECEIVING SETS. THE KODEL MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 27, 1924. Serial No. 197,668. PUBLISHED AUGUST 26, 1924.

211,710. STRINGS OF PEARLS AND REPRODUCTIONS OF PEARLS OR IMITATIONS THEREOF. L. HELLER & SON, INC., New York, N. Y.
Filed July 25, 1924. Serial No. 200,495. PUBLISHED JANUARY 5, 1926.

211,711. FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, FRESH GRAPES, CANTALOUPES, AND BERRIES. WILLIAM W. WILSON, Los Angeles, Calif.
Filed July 26, 1924. Serial No. 200,593. PUBLISHED FEBRUARY 17, 1925.

211,712. VENDING MACHINES. THE COLUMBUS VENDING COMPANY, Columbus, Ohio.
Filed July 28, 1924. Serial No. 200,612. PUBLISHED MAY 19, 1925.

211,713. PASTRY WAFERS. CAKE CONE CO., INC., St. Louis, Mo.
Filed August 15, 1924. Serial No. 201,429. PUBLISHED SEPTEMBER 29, 1925.

211,714. HARD PAPER SHEETS IMPREGNATED WITH PHENOL CONDENSATION PRODUCT FOR ELECTRICAL INSULATIONS. WILLIAM BRAND & COMPANY, New York, N. Y.
Filed August 22, 1924. Serial No. 201,739. PUBLISHED FEBRUARY 2, 1926.

211,715. PEARLS AND PEARL NECKLACES. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 26, 1924. Serial No. 201,882. PUBLISHED JANUARY 12, 1926.

211,716. TALKING MACHINES PHONOGRAPHS, MUSIC BOXES, PHONOGRAPH NEEDLES, PHONOGRAPH SOUND BOXES, AND TONE ARMS FOR PHONOGRAPHS. SONORA PHONOGRAPH CORPORATION, New York, N. Y.
Filed December 10, 1918. Serial No. 114,588. PUBLISHED AUGUST 12, 1919.

211,717. LAUNDRY NETS. TINGUE, BROWN & CO., New York, N. Y.
Filed August 2, 1923. Serial No. 184,002. PUBLISHED JANUARY 19, 1926.

211,718. CIGARS, CIGARETTES, AND CUT TOBACCO. PEGO Y CA., S. EN C., Habana, Cuba.
Filed September 11, 1923. Serial No. 185,670. PUBLISHED DECEMBER 8, 1925.

211,719. CANNED BERRIES, FRUITS, AND VEGETABLES. EVERETT FRUIT PRODUCTS COMPANY, Everett, Wash.
Filed March 21, 1924. Serial No. 194,168. PUBLISHED JANUARY 27, 1925.

211,720. ELECTRICALLY-ILLUMINATED CROSSROAD SIGNAL STAND. PETER L. SMITH, Worcester, Mass.
Filed April 3, 1924. Serial No. 194,958. PUBLISHED FEBRUARY 2, 1926.

211,721. DRY BATTERIES. SAMUEL DIAMOND, New York, N. Y.
Filed April 14, 1924. Serial No. 195,504. PUBLISHED FEBRUARY 2, 1926.

211,722. CONTAINERS FOR ELECTRIC HEATERS, AND IN PARTICULAR WALL RECESSES FOR ELECTRIC HEATERS FOR BATHROOMS. THE FAIRFACTS COMPANY, INC., New York, N. Y.
Filed April 19, 1924. Serial No. 195,810. PUBLISHED FEBRUARY 2, 1926.

211,723. DRIED MALT EXTRACT FOR FOOD PURPOSES. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed November 12, 1925. Serial No. 223,196. PUBLISHED JANUARY 26, 1926.

211,724. CHEMICALS KNOWN AS A BOILER COMPOUND. SEMINOLE CHEMICAL CO., INC., New York, N. Y.
Filed November 12, 1925. Serial No. 223,199. PUBLISHED FEBRUARY 2, 1926.

211,725. NONMETALLIC PNEUMATIC TIRES. THE NATIONAL TIRE & RUBBER COMPANY, East Palestine, Ohio.
Filed November 13, 1925. Serial No. 223,252. PUBLISHED FEBRUARY 2, 1926.

211,726. WOMEN'S UMBRELLAS. WOODWARD & LOTHROP, Washington, D. C.
Filed November 13, 1925. Serial No. 223,267. PUBLISHED JANUARY 26, 1926.

211,727. UMBRELLAS. BEST & CO., INC., New York, N. Y.
Filed November 14, 1925. Under section 5ᵇ of the Act of 1905 as amended in 1920. Serial No. 223,280. PUBLISHED FEBRUARY 2, 1926.

211,728. PUBLICATION ISSUED MONTHLY. THE BUNTING PUBLICATIONS, INC., Waukegan, Ill.
Filed November 16, 1925. Serial No. 223,365. PUBLISHED FEBRUARY 2, 1926.

211,729. CANDY. CANDY PRODUCTS COMPANY, Portland, Oreg.
Filed November 16, 1925. Serial No. 223,368. PUBLISHED JANUARY 19, 1926.

211,730. CANDY. GOLDEN NUGGET SWEETS, San Francisco, Calif.
Filed November 16, 1925. Serial No. 223,384. PUBLISHED JANUARY 26, 1926.

211,731. MONTHLY MAGAZINE. KINGMAN AND WALTON, Boston, Mass.
Filed November 16, 1925. Serial No. 223,390. PUBLISHED FEBRUARY 2, 1926.

211,732. RUBBER INNER-TUBE PATCHES. WILLIAM ANDERSON, Menominee, Mich.
Filed November 16, 1925. Serial No. 223,361. PUBLISHED FEBRUARY 2, 1926.

211,733. CARTOONS IN NEWSPAPER PUBLICATIONS. WILLIAM C. QUINN, Everett, Mass.
Filed November 16, 1925. Serial No. 223,410. PUBLISHED JANUARY 19, 1926.

211,734. SILVER, NICKEL, AND BRASS POLISHES. JACOB RICHARDSON, New York, N. Y.
Filed November 20, 1925. Serial No. 223,605. PUBLISHED FEBRUARY 2, 1926.

211,735. MEDICINAL COMPOUND FOR USE IN THE TREATMENT OF CONSTIPATION. AVRI DRUG & CHEMICAL COMPANY, Jersey City, N. J.
Filed November 21, 1925. Serial No. 223,617. PUBLISHED JANUARY 26, 1926.

211,736. AUTOMOBILE TOP DRESSING. ALEBERT H. HOLLAND, Petersburg, Ohio.
Filed November 21, 1925. Serial No. 223,642. PUBLISHED FEBRUARY 2, 1926.

211,737. WEEKLY PERIODICAL. EVELYN ROSE, doing business as Taxi Meter Publishing Co., Brooklyn, N. Y.
Filed November 21, 1925. Serial No. 223,660. PUBLISHED JANUARY 19, 1926.

211,738. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET POWDER, FACE CREAM, AND ROUGES. ROBERT TOBOUL, doing business as Maison Cyber, Paris, France.
Filed November 21, 1925. Serial No. 223,668. PUBLISHED JANUARY 26, 1926.

211,739. WORK SHIRTS. STEINER-LORMAN DRY GOODS COMPANY, Montgomery, Ala.
Filed November 16, 1925. Serial No. 223,420. PUBLISHED FEBRUARY 2, 1926.

211,740. TRAVELING EQUIPMENT—NAMELY, SUITCASES. NEW ENGLAND TRUNK CO., Everett, Mass.
Filed November 17, 1925. Serial No. 223,444. PUBLISHED JANUARY 26, 1926.

211,741. BREAD. JESSE A. DIETZEN, Frankton, Ind.
Filed November 19, 1925. Serial No. 223,506. PUBLISHED JANUARY 26, 1926.

211,742. LINGERIE OR WOMEN'S UNDERWEAR: VESTS, BLOOMERS, STEP-INS, CHEMISE, GOWNS, SLIPS, BRASSIÈRES AND COMBINATIONS, AND HOSIERY. OSWEGO RAYON CORPORATION, Oswego, N. Y.
Filed November 27, 1925. Serial No. 223,938. PUBLISHED FEBRUARY 2, 1926.

211,743. BLUE-SERGE SUITS FOR MEN (SPECIAL BRAND.) JAFFE BROS., Philadelphia, Pa.
Filed November 28, 1925. Serial No. 223,963. PUBLISHED FEBRUARY 2, 1926.

211,744. BREAD, BISCUITS, AND CAKES. HARRY GOLD, Baltimore, Md.
Filed November 30, 1925. Serial No. 224,015. PUBLISHED JANUARY 26, 1926.

211,745. EGGS. MUTUAL CREAMERY COMPANY, Los Angeles, Calif.
Filed November 30, 1925. Serial No. 224,035. PUBLISHED JANUARY 26, 1926.

211,746. TITLE FOR A MAGAZINE NEWS SECTION. PORTER-LANGTRY COMPANY, Chicago, Ill.
Filed November 30, 1925. Serial No. 224,046. PUBLISHED JANUARY 26, 1926.

211,747. MONTHLY MAGAZINE. PLUMBERS TRADE JOURNAL PUBLISHING CO., New York, N.Y.
Filed December 1, 1925. Serial No. 224,149. PUBLISHED JANUARY 19, 1926.

211,748. WHEAT FLOUR. KNOLLENBERG MILLING COMPANY, Quincy, Ill.
Filed December 3, 1925. Serial No. 224,192. PUBLISHED FEBRUARY 2, 1926.

211,749. TIRE CEMENT. CHESTER A. MARSH, Bay City, Mich.
Filed December 3, 1925 Serial No. 224,197. PUBLISHED FEBRUARY 2, 1926.

211,750. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ. GINGER ALE AND OTHER FLAVORS. E. & H. BOTTLING CO., Baltimore, Md.
Filed December 4, 1925. Serial No. 224,238. PUBLISHED FEBRUARY 2, 1926.

211,751. PREPARED STOCK FOOD. THE PRO-LAC MILLING COMPANY, Des Moines, Iowa.
Filed December 5, 1925. Serial No. 224,293. PUBLISHED FEBRUARY 2, 1926.

211,752. PREPARATIONS FOR THE DIGESTIVE ORGANS AND THE LIVER. CHARLES FREDERICK SCHIBENER, doing business as The Drew Pharmacal Co., Buffalo, N. Y., and Toronto, Canada.
Filed December 5, 1925. Serial No. 224,296. PUBLISHED FEBRUARY 2, 1926.

211,753. WIRE FENCING, AND PARTICULARLY WOVEN-WIRE FENCING. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., and Worcester, Mass.
Filed December 8, 1925. Serial No. 224,372. PUBLISHED JANUARY 26, 1926.

211,754. SERIES OF MONTHLY PUBLICATIONS CONTAINING STORIES OF PLAYS AND MOTION PICTURES. JACOBSEN-HODGKINSON CORPORATION, New York, N. Y.
Filed November 12, 1925. Serial No. 223,174. PUBLISHED JANUARY 12, 1926.

211,755. PILLOWS. CHAS. EMMERICH & CO., Chicago, Ill.
Filed December 22, 1925. Serial No. 225,009. PUBLISHED FEBRUARY 2, 1926.

211,756. SALAD DRESSINGS, SUCH AS MAYONNAISE, RUSSIAN DRESSING, SANDWICH SPREADS, ETC. HERMON L. VAN BLARCOM, Portland, Me.
Filed December 11, 1925. Serial No. 224,939. PUBLISHED JANUARY 26, 1926.

211,757. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed December 19, 1925. Serial No. 224,935. PUBLISHED FEBRUARY 2, 1926.

211,758. MILK STRAINERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed December 17, 1925. Serial No. 224,823. PUBLISHED FEBRUARY 2, 1926.

211,759. PERIODICAL PUBLISHED WEEKLY—NAMELY, A WEEKLY MAGAZINE PUBLISHED PRINCIPALLY IN THE ITALIAN LANGUAGE AND SOLD TO SUBSCRIBERS IN INTERSTATE COMMERCE. LA GUARDIA PUBLISHING CO. INC., New York, N. Y.
Filed December 12, 1925. Serial No. 224,609. PUBLISHED JANUARY 19, 1926.

211,760. REAL-ESTATE FIRST-MORTGAGE BONDS. CAPITAL MORTGAGE CORPORATION, Chicago, Ill.
Filed December 10, 1925. Serial No. 224,499. PUBLISHED FEBRUARY 2, 1926.

211,761. WEEKLY MAGAZINE. MODERN PUBLICATIONS, INC., Camden, N. J.
Filed December 8, 1925. Serial No. 224,415. PUBLISHED JANUARY 19, 1926.

211,762. CASTOR OIL. GERHARD KNEWITZ, East St. Louis, Ill.
Filed December 7, 1925. Serial No. 224,337. PUBLISHED FEBRUARY 2, 1926.

211,763. ANTIFREEZING COMPOUND FOR RADIATORS. COLONIAL DRUG & SALES CO., Denver, Colo.
Filed December 5, 1925. Serial No. 224,277. PUBLISHED FEBRUARY 2, 1926.

211,764. ANNUAL MAGAZINES. GEORGE M. MACDONOUGH, Jacksonville, Fla.
Filed December 4, 1925. Serial No. 224,256. PUBLISHED JANUARY 19, 1926.

211,765. STRINGED MUSICAL INSTRUMENTS COMPRISING UKULELES AND INSTRUMENTS SIMILAR THERETO KNOWN AS TIPLES. HENRY STADLMAIR CO. INC., New York, N. Y.
Filed August 6, 1925. Serial No. 218,505. PUBLISHED JANUARY 19, 1926.

211,766. CONDENSERS. DUPLEX CONDENSER & RADIO CORPORATION, Brooklyn, N. Y.
Filed August 11, 1925. Serial No. 218,689. PUBLISHED JANUARY 5, 1926.

211,767. CONDENSERS. DUPLEX CONDENSER & RADIO CORPORATION, Brooklyn, N. Y.
Filed August 11, 1925. Serial No. 218,690. PUBLISHED JANUARY 5, 1926.

211,768. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed September 2, 1924. Serial No. 202,112. PUBLISHED JANUARY 6, 1925.

211,769. CANNED FRUITS. PELLING, STANLEY & CO., LTD., Liverpool, England.
Filed September 15, 1924. Serial No. 202,637. PUBLISHED DECEMBER 8, 1925.

211,770. ELECTRICALLY-ILLUMINATED TRANSPARENCY DISPLAY SIGNS. J. G. MORGAN & COMPANY, New York, N. Y.
Filed September 18, 1924. Serial No. 202,756. PUBLISHED FEBRUARY 2, 1926.

211,771. MOUTH ORGANS. ANDS. KOCH A.-G., Trossingen, Germany.
Filed October 17, 1924. Serial No. 203,997. PUBLISHED JANUARY 19, 1926.

211,772. MOUTH ORGANS, ACCORDIONS, MELODEONS, BLOW ACCORDIONS, HARMONICA FLUTES, CLARINET FLUTES, SAXOPHONE FLUTES, CONCERTINAS, OCARINAS, BANDONEONS, METALLOPHONES, XYLOPHONES, JEW'S-HARPS, WOODEN AND SHEET-METAL FLUTES, VIOLINS, MANDOLINS, GUITARS, LUTES, BALALAIKAS, UKULELES, BANJOS, ZITHERS, PARTS OF SAID INSTRUMENTS, BOWS FOR STRING INSTRUMENTS, AND STRINGS FOR STRING AND PLUCK INSTRUMENTS. ANDS. KOCH A.-G., Trossingen, Germany.

Filed October 17, 1924. Serial No. 203,998. PUBLISHED JANUARY 12, 1926.

211,773. MOUTH ORGANS, ACCORDIONS, MELODEONS, BLOW ACCORDIONS, HARMONICA FLUTES, CLARINET FLUTES, SAXOPHONE FLUTES, CONCERTINAS, OCARINAS, BANDONEONS, METALLOPHONES, XYLOPHONES, JEW'S-HARPS, WOODEN AND SHEET-METAL FLUTES, VIOLINS, MANDOLINS, GUITARS, LUTES, BALALIKAS, UKULELES, BANJOS, ZITHERS, PARTS OF SAID INSTRUMENTS, BOWS FOR STRING INSTRUMENTS AND STRINGS FOR STRING AND PLUCK INSTRUMENTS. ANDS. KOCH A.-G., Trossingen, Germany.

Filed October 17, 1924. Serial No. 203,999. PUBLISHED JANUARY 12, 1926.

211,774. RADIO ELECTRICAL APPLIANCES—NAMELY, BOXES OR CONTAINERS CONTAINING A PANEL, WIRING AND CONNECTIONS, TRANSFORMERS, CONDENSERS, AND ALL NECESSARY APPLIANCES TO CONSTRUCT A COMPLETE RADIO RECEIVING SET (EXCEPT TUBES, BATTERIES, AND ANTENNÆ.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.

Filed November 12, 1924. Serial No. 205,159. PUBLISHED FEBRUARY 2, 1926.

211,775. MACHINE FOR ELECTROMAGNETICALLY RECORDING AND REPRODUCING SOUND. RECORD-O-PHONE COMPANY, Washington, D. C.

Filed November 25, 1924. Serial No. 205,837. PUBLISHED DECEMBER 29, 1925.

211,776. VARIABLE AIR CONDENSERS. B. GROSSER SONS, INC., Boston, Mass.

Filed January 5, 1925. Serial No. 207,674. PUBLISHED MAY 26, 1925.

211,777. CRYSTAL RADIO RECEIVING SETS AND PARTS THEREOF. ALEXANDER J. FORBES, doing business as Uncle Al's Radio Shop, Oakland, Calif.

Filed January 28, 1925. Serial No. 208,749. PUBLISHED FEBRUARY 2, 1926.

211,778. TUBING FOR ELECTRICAL INSULATION. BENTLEY-HARRIS MFG. CO., Conshohocken, Pa.

Filed February 16, 1925. Serial No. 209,612. PUBLISHED JANUARY 19, 1926.

211,779. B BATTERIES, ALSO A BATTERIES, LOUDSPEAKER HORNS, PHONES, SOCKETS, RHEOSTATS, RADIO RECEIVING SETS, PANELS, COUPLERS, VARIOMETERS, CONDENSERS, TRANSFORMERS, DIALS, A-BATTERY ELIMINATORS, AND B-BATTERY ELIMINATORS. FRIEDLANDER-KOPPLE RADIO SERVICE, New York, N. Y.

Filed March 19, 1925. Serial No. 211,263. PUBLISHED JANUARY 19, 1926.

211,780. RADIO RECEIVING SETS. ARGUS RADIO CORPORATION, New York, N. Y.

Filed April 1, 1925. Serial No. 211,965. PUBLISHED JANUARY 19, 1926.

211,781. RADIO RECEIVING SETS. STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill.

Filed April 3, 1925. Serial No. 212,158. PUBLISHED JANUARY 19, 1926.

211,782. COMBINATION ELECTRIC RADIOCABINET SHADE AND TABLE LAMP. HENRY R. DURINICK, New York, N. Y.

Filed May 25, 1925. Serial No. 214,859. PUBLISHED JANUARY 19, 1926.

211,783. VERNIER CONTROLS FOR RADIO INSTRUMENTS, TELEPHONE JACKS, JACK SWITCHES, AND CORD TIP JACKS. AUGUST GOERTZ & CO., INC., Newark, N. J.

Filed June 10, 1925. Serial No. 215,566. PUBLISHED JANUARY 26, 1926.

211,784. VIOLINS, MANDOLINS, GUITARS, AND BANJOS, AND A MUSICAL INSTRUMENT IN THE NATURE OF A VIOLIN WITH TRUMPET BODY KNOWN AS A HILLEPHONE. JOHAN EMIL HILLEBRANDT, West Brighton, New York.

Filed June 30, 1925. Serial No. 216,677. PUBLISHED JANUARY 5, 1926.

211,785. CARBON PAPER. H. M. STORMS COMPANY, New York and Brooklyn, N. Y.

Filed June 23, 1925. Serial No. 216,297. PUBLISHED JANUARY 26, 1926.

211,786. MOUTH ORGANS, ACCORDIONS, MELODEONS, BLOW ACCORDIONS, HARMONICA FLUTES, CLARINET FLUTES, SAXOPHONE FLUTES, CONCERTINAS, OCARINAS, BANDONEONS, METALLOPHONES, XYLOPHONES, JEW'S-HARPS, WOODEN AND SHEET-METAL FLUTES, VIOLINS, MANDOLINS, GUITARS, LUTES, BALALAIKAS, UKULELES, BANJOS, ZITHERS, PARTS OF SAID INSTRUMENTS, BOWS FOR STRING INSTRUMENTS, AND STRINGS FOR STRING AND PLUCK INSTRUMENTS. ANDS. KOCH A.-G., Trossingen, Germany.

Filed October 17, 1924. Serial No. 204,000. PUBLISHED JANUARY 12, 1926.

211,787. MOUTH ORGANS, ACCORDIONS, BLOW ACCORDIONS, VIOLINS, PARTS OF SAID INSTRUMENTS, AND STRINGS FOR STRING AND PLUCK INSTRUMENTS. ANDS. KOCH A.-G., Trossingen, Germany.

Filed October 17, 1924. Serial No. 204,001. PUBLISHED JANUARY 12, 1926.

211,788. FELT HATS FOR MEN. F. BERG & CO., Norwalk, Conn.

Filed November 25, 1925. Serial No. 223,834. PUBLISHED FEBRUARY 2, 1926.

211,789. WORK GLOVES, MITTENS, AND GAUNTLETS MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. M. B. HAMILTON & CO., Leavenworth, Kans.

Filed November 24, 1925. Serial No. 223,783. PUBLISHED FEBRUARY 2, 1926.

211,790. WOMEN'S AND CHILDREN'S LEATHER SHOES. BENJAMIN COOK, doing business as Arch-Craft Shoe Shop, New York, N. Y.

Filed November 21, 1925. Serial No. 223,622. PUBLISHED FEBRUARY 2, 1926.

211,791. CANDY AND CANDY PREPARATIONS. MEXICAN PECAN CANDY CO., Dallas, Tex.

Filed November 20, 1925. Serial No. 223,588. PUBLISHED FEBRUARY 9, 1926.

211,792. LEATHER, RUBBER, AND FABRIC SHOES. TUTTLE-SCOTT STORES, INC., Toledo, Ohio.

Filed November 19, 1925. Serial No. 223,562. PUBLISHED FEBRUARY 2, 1926.

211,793. LEATHER, RUBBER, AND FABRIC SHOES. TUTTLE-SCOTT STORES, INC., Toledo, Ohio.

Filed November 19, 1925. Serial No. 223,561. PUBLISHED FEBRUARY 2, 1926.

211,794. CHILDREN'S LEATHER SHOES. BLOG SHOE FINDING CO. INC., New York, N. Y.

Filed November 27, 1925. Serial No. 223,891. PUBLISHED FEBRUARY 2, 1926.

211,795. RADIO RECEIVING SETS, LOUD SPEAKERS, RADIOBATTERIES, RADIOTUBES, RADIO HEAD SETS, AND RADIO TELEPHONE RECEIVERS. BAILEY & COMPANY, INC., Atlanta, Ga.

Filed November 27, 1925. Serial No. 223,895. PUBLISHED FEBRUARY 2, 1926.

211,796. SALAD DRESSINGS. HENRY VALENTINE, Annapolis, Md.

Filed November 28, 1925. Serial No. 223,976. PUBLISHED FEBRUARY 2, 1926.

211,797. CANNED VEGETABLES—NAMELY, PEAS, CORN, SPINACH, STRING BEANS, WAX BEANS, TOMATOES; CANNED FISH—NAMELY, CANNED SALMON, TUNNY, SARDINES; CANNED FRUIT—NAMELY, PEACHES, PEARS, CHERRIES, PINEAPPLE, RASPBERRIES, AND STRAWBERRIES. BANNER WHOLESALE GROCERY CO., Chicago, Ill.

Filed November 30, 1925. Serial No. 223,992. PUBLISHED FEBRUARY 9, 1926.

211,798. FRUIT PASTE FOR BAKERS' AND CONFECTIONERS' USE. THE CARL H. HARTMANN CO. INC., New York, N. Y.

Filed November 30, 1925. Serial No. 224,022. PUBLISHED FEBRUARY 2, 1926.

211,799. COILS FOR USE IN RADIO AND ELECTRICAL APPARATUS. HAZELTINE CORPORATION, Jersey City, N. J.

Filed December 2, 1925. Serial No. 224,090. PUBLISHED FEBRUARY 2, 1926.

211,800. SHOES MADE OF LEATHER, CANVAS, RUBBER, CLOTH, OR COMBINATIONS THEREOF. H. CHILDS & CO. INC., Pittsburgh, Pa.

Filed December 3, 1925. Serial No. 224,178. PUBLISHED FEBRUARY 2, 1926.

211,801. WHISKY. BALTIMORE DISTILLING CO., Baltimore, Md.

Filed December 11, 1925. Serial No. 224,540. PUBLISHED FEBRUARY 9, 1926.

211,802. WATER FOR DRINKING PURPOSES. CAROLYN S. SMITH, doing business as Vitalized Water Process, New York, N. Y.

Filed December 12, 1925. Serial No. 224,627. PUBLISHED FEBRUARY 9, 1926.

211,803. SMOKING TOBACCO. SMITH & SCOTT TOBACCO., INCORPORATED, Paducah, Ky.

Filed December 14, 1925. Serial No. 224,680. PUBLISHED FEBRUARY 9, 1926.

211,804. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.

Filed December 15, 1925. Serial No. 224,706. PUBLISHED FEBRUARY 9, 1926.

211,805. WOVEN FABRICS OF SILK, ARTIFICIAL SILK, AND COMBINATIONS THEREOF. AMARANTH FABRICS, INC., New York, N. Y.

Filed December 16, 1925. Serial No. 224,738. PUBLISHED FEBRUARY 9, 1926.

211,806. SILK, ARTIFICIAL SILK, COTTON, OR COMBINATION THEREOF IN THE PIECE. ULLMAN-LEVINTHAL SILKS CORPORATION, New York, N. Y.

Filed December 16, 1925. Serial No. 224,789. PUBLISHED FEBRUARY 9, 1926.

211,807. CANNED FRUITS AND VEGETABLES. FRED B. NEUHOFF COMPANY, Los Angeles, Calif.

Filed December 17, 1925. Serial No. 224,825. PUBLISHED FEBRUARY 9, 1926.

211,808. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. GOLDSTEIN-WILKINS CORPORATION, New York, N. Y.

Filed January 2, 1926. Serial No. 225,414. PUBLISHED FEBRUARY 9, 1926.

211,809. CHEWING GUM. THE GOUDEY GUM CO., Allston, Mass.

Filed January 2, 1926. Serial No. 225,415. PUBLISHED FEBRUARY 9, 1926.

211,810. CHEWING GUM. THE GOUDEY GUM CO., Allston, Mass.

Filed January 2, 1926. Serial No. 225,416. PUBLISHED FEBRUARY 9, 1926.

211,811. WOOL AND COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.

Filed January 6, 1926. Serial No. 225,546. PUBLISHED FEBRUARY 9, 1926.

211,812. ELECTRIC TROUBLE LAMP ADAPTED TO BE WORN ON THE HEAD OF THE USER. COMPREX OSCILLATOR CORP., New York, N. Y.

Filed October 16, 1925. Serial No. 221,808. PUBLISHED JANUARY 19, 1926.

211,813. WORK GLOVES, MITTENS, AND GAUNTLETS MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER; M. B. HAMILTON & Co., Leavenworth, Kans.

Filed October 16, 1925. Serial No. 221,824. PUBLISHED FEBRUARY 2, 1926.

211,814. CLOTHES-WASHING MACHINES AND COMBINED CLOTHES-WASHING MACHINES AND WRINGERS. TRAYWAY MFG. CO., San Francisco, Calif.

Filed October 17, 1925. Serial No. 221,937. PUBLISHED JANUARY 19, 1926.

211,815. CANNED CLAMS. WARRENTON CLAM COMPANY, also doing business as Sigurdson Bros. Inc., Warrenton, Oreg.

Filed October 19, 1925. Serial No. 221,987. PUBLISHED FEBRUARY 2, 1926.

211,816. CLOTHESPINS. UTILITY MANUFACTURING CO., Marysville and Seattle, Wash.

Filed October 24, 1925. Serial No. 222,291. PUBLISHED FEBRUARY 2, 1926.

211,817. LEATHER SHOES. THE FORBUSH SHOE COMPANY, Grafton, Mass.

Filed October 26, 1925. Serial No. 222,318. PUBLISHED FEBRUARY 2, 1925.

211,818. MUSICAL INSTRUMENTS—NAMELY, PIANOS AND PIANO PLAYERS. WINTER & CO. INC., New York, N. Y.

Filed October 26, 1925. Serial No. 222,360. PUBLISHED FEBRUARY 2, 1926.

211,819. FRESH ORANGES, TANGERINES, TANGELOS, LEMONS, LIMES, GRAPEFRUIT, KUMQUATS, LOQUATS, SHADDOCK, CITRON, AND POMELO. LAKE ARINA PACKING CO., INC., Auburndale, Fla.

Filed October 29, 1925. Serial No. 222,511. PUBLISHED FEBRUARY 9, 1926.

211,820. LEAF LARD AND MEATS—NAMELY, HAMS, HAMS KNOWN AS PICNICS, COTTAGE BUTTS, BREAKFAST BACON, SLICED BREAKFAST BACON, BACON SQUARES, AND PORK SAUSAGE. KROGER GROCERY & BAKING CO., Cincinnati, Ohio.

Filed November 2, 1925. Serial No. 222,682. PUBLISHED FEBRUARY 9, 1926.

211,821. CORSETS, GIRDLES, AND UNDERWEAR OF KNITTED AND TEXTILE MATERIAL FOR WOMEN AND CHILDREN. OLMSTEAD CORPORATION, Springfield, Mass.

Filed November 6, 1925. Serial No. 222,938. PUBLISHED FEBRUARY 2, 1926.

211,822. BANDEAUX, GIRDLES, AND BELTS, SUCH BELTS BEING USUALLY KNOWN AS GARTER BELTS FOR PERSONAL WEAR. THE H. & W. COMPANY, Newark, N. J.

Filed November 11, 1925. Serial No. 223,120. PUBLISHED FEBRUARY 2, 1926.

211,823. FRESH APPLES. EARL FRUIT COMPANY, Spokane, Wash.

Filed November 13, 1925. Serial No. 223,221. PUBLISHED JANUARY 19, 1926.

211,824. CLOTHES OR LAUNDRY WASHING MACHINES. MODERN LAUNDRY MACHINE MANUFACTURING COMPANY, Kansas City, Mo.
Filed November 13, 1925. Serial No. 223,249. PUBLISHED FEBRUARY 2, 1926.

211,825. LETTER-PRESS OR TYPOGRAPHIC INKS. SIGMUND ULLMAN COMPANY, New York, N. Y.
Filed November 14, 1925. Serial No. 223,342. PUBLISHED FEBRUARY 2, 1926.

211,826. LEATHER SHOES. LOWELL-THOMAS SHOE CORPORATION, Newburyport, Mass.
Filed November 16, 1925. Serial No. 223,396. PUBLISHED FEBRUARY 2, 1926.

211,827. SWEET BUTTER USED FOR MAKING ICE CREAM. SOUTHERN CREAMERIES, INC., Nashville, Tenn.
Filed November 16, 1925. Serial No. 223,418. PUBLISHED FEBRUARY 2, 1926.

211,828. GLOVES MADE OF LEATHER, COTTON FABRIC, WOOLEN FABRIC, SILK FABRIC, AND COMBINATIONS THEREOF. GATES, MILLS & DRISCOLL, INC., Johnstown, N. Y.
Filed November 17, 1925. Serial No. 223,435. PUBLISHED FEBRUARY 2, 1926.

211,829. IGNITION AND STARTING APPARATUS FOR INTERNAL-COMBUSTION ENGINES AND ELECTRIC-LIGHTING SYSTEMS FOR MOVING VEHICLES AND RADIO APPARATUS. AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass.
Filed September 12, 1925. Serial No. 220,167. PUBLISHED JANUARY 26, 1926.

211,830. RESISTANCE ELEMENTS—NAMELY, POTENTIOMETERS AND RHEOSTATS. THE PILOT ELECTRIC MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed September 9, 1925. Serial No. 220,035. PUBLISHED JANUARY 19, 1926.

211,831. VACUUM TUBES FOR RADIO RECEIVING APPARATUS. NATHAN GOLDMAN, doing business as Tectron Radio Co., New York, N. Y.
Filed September 9, 1925. Serial No. 220,021. PUBLISHED JANUARY 26, 1926.

211,832. AUTOMATIC CIRCUIT MAKE AND BREAK DEVICES. GEORGE STARR WHITE, Los Angeles, Calif.
Filed November 5, 1925. Serial No. 222,902. PUBLISHED JANUARY 5, 1926.

211,833. NEWSPAPER COLUMNS. SHEPARD NORWELL CO., Boston, Mass.
Filed October 12, 1925. Serial No. 221,641. PUBLISHED FEBRUARY 9, 1926.

211,834. TRANSFORMERS. LIBERTY TRANSFORMER CO., INC., Chicago, Ill.
Filed October 10, 1925. Serial No. 221,555. PUBLISHED JANUARY 19, 1926.

211,835. PHONOGRAPH RECORDS, ETC. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed October 2, 1925. Serial No. 221,095. PUBLISHED JANUARY 12, 1926.

211,836. RADIO TUNING INDUCTANCE COILS. FRANK C. VOGAN, Philadelphia, Pa.
Filed November 5, 1925. Serial No. 222,893. PUBLISHED FEBRUARY 2, 1926.

211,837. RADIO RECEIVING SETS. VALLEY ELECTRIC COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed November 5, 1925. Serial No. 222,891. PUBLISHED JANUARY 5, 1926.

211,838. SPARK PLUGS. PRIMO SPARK PLUG COMPANY, Butte, Mont.
Filed November 20, 1925. Serial No. 223,603. PUBLISHED JANUARY 19, 1926.

211,839. TRACING PAPER. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed November 19, 1925. Serial No. 223,526. PUBLISHED FEBRUARY 9, 1926.

211,840. TRACING PAPER. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed November 19, 1925. Serial No. 223,525. PUBLISHED FEBRUARY 9, 1926.

211,841. TRACING PAPER. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed November 19, 1925. Serial No. 223,524. PUBLISHED FEBRUARY 9, 1926.

211,842. FINGER RINGS. STERN & STERN, INC., New York, N. Y.
Filed October 24, 1925. Serial No. 222,288. PUBLISHED JANUARY 19, 1926.

211,843. ENVELOPE PAPER. THE NORTHWEST PAPER COMPANY, Cloquet, Minn.
Filed October 22, 1925. Serial No. 222,134. PUBLISHED FEBRUARY 9, 1926.

211,844. RADIOTRANSFORMERS. FORD RADIO & MICA CORPORATION, New York, N. Y.
Filed October 16, 1925. Serial No. 221,813. PUBLISHED JANUARY 19, 1926.

211,845. STATIONERY FORMS COMPRISING COMMERCIAL LETTERHEADS, MAILING ENVELOPES, INVOICES, STATEMENTS, CREDIT MEMORANDUMS, ORDER FORMS, CHECKS, AND DRAFTS. WILLIAM T. MANNING, Waterbury, Conn.
Filed October 15, 1925. Serial No. 221,749. PUBLISHED FEBRUARY 9, 1926.

211,846. FINGER RINGS AND FINGER-RING MOUNTINGS. BASKIN BROTHERS, New York, N. Y.
Filed October 15, 1925. Serial No. 221,735. PUBLISHED JANUARY 12, 1926.

211,847. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. HARRY G. KAUFMAN, doing business as Kaufman Manufacturing Co., New York, N. Y.
Filed October 14, 1925. Serial No. 221,707. PUBLISHED JANUARY 19, 1926.

211,848. PERIODICAL MAGAZINE. VIC ARNING, Knoxville, Tenn.
Filed October 27, 1925. Serial No. 222,362. PUBLISHED FEBRUARY 2, 1926.

211,849. FLAT SILVER-PLATED TABLE WARE. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.
Filed September 29, 1925. Serial No. 220,948. PUBLISHED JANUARY 12, 1926.

211,850. CHOKE COIL OR IMPEDANCE IN FILTER CIRCUITS OF ELECTRICAL APPARATUS. AMERICAN TRANSFORMER COMPANY, Newark, N. J.
Filed September 29, 1925. Serial No. 220,934. PUBLISHED JANUARY 26, 1926.

211,851. COPYING INK FOR REPRODUCING PICTURES OR DESIGNS FROM NEWSPAPERS OR OTHER PUBLICATIONS. JOSEPH J. GROSTKEN, doing business as Peter Pan Copying Ink Company, Aurora, Ill.
Filed September 26, 1925. Serial No. 220,846. PUBLISHED JANUARY 19, 1926.

211,852. RADIO RECEIVING SETS, LOUD SPEAKERS, AND RADIO PARTS—NAMELY, VACUUM TUBES, BATTERIES, TUNERS, HEAD PHONES, TRANSFORMERS, AND BATTERY CHARGERS. HERMAN RINKENBERGER, doing business as Electric Service Shop, Bradford, Ill.
Filed September 19, 1925. Serial No. 220,472. PUBLISHED FEBRUARY 2, 1926.

211,853. TYPEWRITER RIBBONS AND CARBON PAPERS. QUEEN RIBBON & CARBON CO., New York, N. Y.
Filed September 19, 1925. Serial No. 220,464. PUBLISHED JANUARY 5, 1926.

211,854. ELECTRIC WELDING MACHINES AND PARTS THEREOF. AMERICAN ELECTRIC FUSION CORPORATION, Chicago, Ill.
Filed September 19, 1925. Serial No. 220,440. PUBLISHED FEBRUARY 2, 1926.

211,855. MONTHLY MAGAZINE. CAMERA CRAFT PUBLISHING COMPANY, San Francisco, Calif.
Filed November 19, 1925. Serial No. 223,501. PUBLISHED FEBRUARY 9, 1926.

211,856. RADIO RECEIVING SETS. GIMBEL BROTHERS, INC., New York, N. Y.; Philadelphia, Pa., and Milwaukee, Wis.
Filed November 18, 1925. Serial No. 223,474. PUBLISHED JANUARY 19, 1926.

211,857. RADIO RECEIVING SETS. GIMBEL BROTHERS, INC., New York, N. Y.; Philadelphia, Pa., and Milwaukee, Wis.
Filed November 18, 1925. Serial No. 223,472. PUBLISHED JANUARY 19, 1926.

211,858. ELECTRIC-LIGHTING FIXTURES AND ELECTRIC-LIGHTING-FIXTURE UNITS. RECORD-O-PHONE COMPANY, Washington, D. C.
Filed November 16, 1925. Serial No. 223,413. PUBLISHED FEBRUARY 2, 1926.

211,859. MACHINES FOR ELECTRICALLY RECORDING AND REPRODUCING SOUND. RECORD-O-PHONE COMPANY, Washington, D. C.
Filed November 16, 1925. Serial No. 223,412. PUBLISHED FEBRUARY 2, 1926.

211,860. MACHINES FOR ELECTRICALLY RECORDING AND REPRODUCING SOUND. RECORD-O-PHONE COMPANY, Washington, D. C.
Filed November 16, 1925. Serial No. 223,411. PUBLISHED FEBRUARY 2, 1926.

211,861. TOY LOCOMOTIVES, PARTS OF TOY LOCOMOTIVES, AND SETS OF TOY-LOCOMOTIVE PARTS. MILTON FORCHHEIMER, doing business as The Dorfan Company, Newark, N. J.
Filed November 16, 1925. Serial No. 223,381. PUBLISHED JANUARY 19, 1926.

211,862. RADIO PLUGS, JACKS, SWITCHES, LOOPS, COILS, RHEOSTATS, POTENTIOMETERS, VARIOUPLERS, VARIABLE CONDENSERS, FIXED CONDENSERS, VARIOMETERS, RESISTANCE UNITS, RECEIVING SETS, LOUD SPEAKERS, HEAD SETS, SOCKETS, TRANSFORMERS, DESIGNATION PLATES FOR RADIO DIALS, DIALS, KNOBS, TUBES, AND GRID LEAKS. CARTER RADIO CO., Chicago, Ill.
Filed November 16, 1925. Serial No. 223,370. PUBLISHED FEBRUARY 2, 1926.

211,863. WATCH AND CLOCK CASES, MOVEMENTS, DIALS, AND PARTS THEREOF. NORMAN M. MORRIS, New York, N. Y.
Filed November 14, 1925. Serial No. 223,317. PUBLISHED JANUARY 19, 1926.

211,864. BRACELETS, NECKLACE SNAPS, NECKLACE CLASPS, TIE CLASPS, COLLAR HOLDERS, EARRINGS, AND EAR WIRE. WILLIS E. KENNISON, doing business as W. E. Kennison Co., Providence, R. I.
Filed November 14, 1925. Serial No. 223,305. PUBLISHED JANUARY 5, 1926.

211,865. ELECTRICAL RESISTORS. DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y.
Filed November 14, 1925. Serial No. 223,287. PUBLISHED JANUARY 12, 1926.

211,866. CONNECTING CLIPS. MUELLER ELECTRIC COMPANY, Cleveland, Ohio.
Filed November 10, 1925. Serial No. 223,100. PUBLISHED FEBRUARY 2, 1926.

211,867. TEA. TETSUJIRO KAGEYAMA, doing business as Kageyama & Co., San Francisco, Calif.
Filed November 10, 1925. Serial No. 223,094. PUBLISHED FEBRUARY 9, 1926.

211,868. TALKING MACHINES AND PARTS THEREOF AND RECORDS FOR TALKING MACHINES. VICTOR TALKING MACHINE COMPANY, Camden, N. J.
Filed November 9, 1925. Serial No. 223,064. PUBLISHED JANUARY 12, 1926.

211,869. BAKERY GOODS DESCRIBED AS COOKIES, CAKES, AND WAFERS. PAUL SCHULZE BISCUIT CO., Chicago, Ill.
Filed November 6, 1925. Serial No. 222,950. PUBLISHED JANUARY 5, 1926.

211,870. BANJO UKULELE. MUSICAL SPECIALTIES COMPANY, INC., Elkhart, Ind.
Filed November 6, 1925. Serial No. 222,936. PUBLISHED JANUARY 12, 1926.

211,871. UKULELES AND BANJO UKULELES. MANHATTAN BAND INSTRUMENT CO., INC., New York, N. Y.
Filed November 6, 1925. Serial No. 222,930. PUBLISHED JANUARY 12, 1926.

211,872. BATTERY CHARGERS, RECTIFIERS, AND FILTERING DEVICES FOR SUPPLYING DIRECT CURRENT TO ELECTRON TUBES, THEREBY ELIMINATING B BATTERIES AND RECTIFYING BULBS. FOREST ELECTRIC CO., INC., Newark, N. J.
Filed October 10, 1925. Serial No. 221,548. PUBLISHED JANUARY 26, 1926.

211,873. OLEOMARGARINE. JABURO BROTHERS, INC., New York, N. Y.
Filed October 9, 1925. Serial No. 221,489. PUBLISHED DECEMBER 15, 1925.

211,874. VACUUM TUBES. PERRYMAN ELECTRIC COMPANY, INC., New York, N. Y.
Filed November 3, 1925. Serial No. 222,762. PUBLISHED JANUARY 26, 1926.

211,875. ELECTRIC CONTROL OF THE POWER DEMAND AND PEAK LOADS IN ELECTRIC POWER CIRCUITS. EDWARD TALCOTT MOORE, Syracuse, N. Y.
Filed November 3, 1925. Serial No. 222,753. PUBLISHED JANUARY 26, 1926.

211,876. WEEKLY MAGAZINE. ATLAS PUBLISHING COMPANY, INC., New York, N. Y.
Filed November 3, 1925. Serial No. 222,725. PUBLISHED FEBRUARY 9, 1926.

211,877. ELECTRIC MOTORS AND GENERATORS. THE LELAND ELECTRIC CO., Dayton, Ohio.
Filed November 2, 1925. Serial No. 222,685. PUBLISHED FEBRUARY 2, 1926.

211,878. ELECTRIC BATTERIES. CONSOLIDATED BATTERY COMPANY, Buffalo, N. Y., and Philadelphia, Pa.
Filed November 2, 1925. Serial No. 222,665. PUBLISHED JANUARY 26, 1926.

211,879. ANTENNÆ FOR RADIO APPARATUS. APEX STAMPING COMPANY, Riverdale, Ill.
Filed November 2, 1925. Serial No. 222,656. PUBLISHED JANUARY 5, 1926.

211,880. RADIO DETECTOR CRYSTALS. WILLIAM KENFIELD, doing business as The Keystone Products Company, Royal Oak, Mich.
Filed October 29, 1925. Serial No. 222,507. PUBLISHED FEBRUARY 2, 1926.

211,881. ELECTRICAL INSULATORS. FRANKLIN PORCELAIN COMPANY, Norristown, Pa.
Filed October 29, 1925. Serial No. 222,502. PUBLISHED FEBRUARY 2, 1926.

211,882. STYLI FOR USE WITH PHONOGRAPHIC APPARATUS. W. H. BAGSHAW CO., Lowell, Mass.
Filed October 29, 1925. Serial No. 222,493. PUBLISHED JANUARY 19, 1926.

211,883. SETS OF COMPLETE RADIO RECEIVING APPARATUS AND PARTS THEREOF. FRED W. GOERDES CO., Newark, N. J.
Filed October 28, 1925. Serial No. 222,451. PUBLISHED FEBRUARY 2, 1926.

211,884. ELECTRICALLY-OPERATED ADVERTISING DEVICES IN WHICH ADVERTISING MATTER IS DISPLAYED ON ROTARY MEMBERS OR DISKS. RAO-AD COMPANY, Alhambra, Calif.
Filed October 27, 1925. Serial No. 222,399. PUBLISHED JANUARY 26, 1926.

211,885. GASOLINE. THE POCAHONTAS OIL COMPANY, Cleveland, Ohio.
Filed October 27, 1925. Serial No. 222,394. PUBLISHED DECEMBER 22, 1925.

211,886. SPARK TIMERS FOR INTERNAL-COMBUSTION ENGINES. THE TOLEDO TIMER CO., Toledo, Ohio.
Filed October 26, 1925. Serial No. 222,353. PUBLISHED JANUARY 26, 1926.

211,887. CANDY. THE PHILADELPHIA JOBBING CONFECTIONERS' ASSOCIATION, Philadelphia, Pa.
Filed October 26, 1925. Serial No. 222,340. PUBLISHED FEBRUARY 9, 1926.

211,888. GOLD AND PLATINUM FINGER RINGS. BOLOTIN & SHEININ, Chicago, Ill.
Filed October 26, 1925. Serial No. 222,303. PUBLISHED JANUARY 19, 1926.

211,889. RADIO RECEIVING SETS AND PARTS THEREOF. SLEEPER RADIO CORPORATION, New York, N. Y.
Filed November 30, 1925. Serial No. 224,059. PUBLISHED FEBRUARY 2, 1926.

211,890. CANNED PEAS, BEANS, AND BEETS. GILLETT CANNING COMPANY, Gillett, Wis.
Filed November 30, 1925. Serial No. 224,012. PUBLISHED FEBRUARY 9, 1926.

211,891. BRASS AND OTHER PIPE AND TUBING. CHASE METAL WORKS, Waterbury, Conn.
Filed November 30, 1925. Serial No. 224,001. PUBLISHED FEBRUARY 9, 1926.

211,892. CORSETS. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed October 15, 1925. Serial No. 221,791. PUBLISHED FEBRUARY 2, 1926.

211,893. TELEPHONE PLUGS, RHEOSTATS, POTENTIOMETERS, SWITCHES, AND INDUCTANCE SWITCHES. HOWARD RADIO COMPANY, Chicago, Ill.
Filed October 12, 1925. Serial No. 221,611. PUBLISHED JANUARY 19, 1926.

211,894. CANNED FRUITS AND VEGETABLES; CANNED, CONDENSED, AND EVAPORATED MILK; CANNED FISH, COFFEE; CONDIMENTS—VIZ, CATCHUP, CHILI SAUCE, PREPARED MUSTARD, MAYONNAISE AND SALAD DRESSING. W. H. POLLARD, Memphis, Tenn.
Filed October 8, 1925. Serial No. 221,451. PUBLISHED FEBRUARY 2, 1926.

211,895. CANNED FRUITS AND VEGETABLES; CANNED, CONDENSED, AND EVAPORATED MILK; CANNED FISH, COFFEE; CONDIMENTS—VIZ, CATCHUP, CHILI SAUCE, PREPARED MUSTARD, MAYONNAISE AND SALAD DRESSING. W. H. POLLARD, Memphis, Tenn.
Filed October 8, 1925. Serial No. 221,450. PUBLISHED FEBRUARY 2, 1926.

211,896. DRIED FRUITS. PRINCE DRIED FRUIT CO., New York, N. Y.
Filed September 30, 1925. Serial No. 221,029. PUBLISHED FEBRUARY 9, 1926.

211,897. CANNED FRUITS AND DRIED FRUITS AND CANNED VEGETABLES. COYKENDALL, INC., Berkeley, Calif.
Filed October 5, 1925. Serial No. 221,241. PUBLISHED FEBRUARY 9, 1926.

211,898. FRESH GRAPES. HAHN & LIVINGSTON PACKING CO., Exeter, Calif.
Filed September 30, 1925. Serial No. 221,007. PUBLISHED FEBRUARY 9, 1926.

211,899. PRESSURE TANKS ADAPTED FOR USE IN CONNECTION WITH WATER-SOFTENING APPARATUS AND WATER SYSTEMS. THE DURO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio.
Filed September 21, 1925. Serial No. 220,506. PUBLISHED FEBRUARY 9, 1926.

211,900. FRESH GRAPES. M. D. HOPPER, Fresno, Calif.
Filed September 16, 1925. Serial No. 220,303. PUBLISHED FEBRUARY 9, 1926.

211,901. RADIO RECEIVING SETS. LEE D. CROUCH, Oneonta, N. Y.
Filed September 16, 1925. Serial No. 220,274. PUBLISHED JANUARY 26, 1926.

211,902. NOM DE PLUME FOR PARTICULAR COLUMN OF NEWS IN NEWSPAPER. MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed August 29, 1925. Serial No. 219,546. PUBLISHED NOVEMBER 24, 1925.

211,903. COOKING FAT AND SHORTENING CONSISTING OF ANIMAL FAT WHICH IS A SOLID SUBSTANCE. PAUL A. SHERIKJIAN, Holyoke, Mass.
Filed August 25, 1925. Serial No. 219,352. PUBLISHED FEBRUARY 9, 1926.

211,904. CANDLESTICKS, VASES, COCKTAIL GLASSES, BOWLS, BASKETS, BREAD AND BUTTER PLATES, BREAD TRAYS, ELECTRIC LAMPS, COFFEE SETS, TEA SETS, PITCHERS, ALMOND DISHES, DEMI-TASSES, GOBLETS, TEATTERS, LADLES, SUGAR AND CREAM SETS, CANDY DISHES, ASH TRAYS, SALT AND PEPPER SHAKERS, CENTERPIECES, AND BUTTER DISHES ALL MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. ELGIN SILVERSMITH CO., New York, N. Y.
Filed August 1, 1925. Serial No. 218,250. PUBLISHED FEBRUARY 2, 1926.

211,905. SHOE SOLES. CHARLES A. JOHNSON, San Francisco, Calif.
Filed July 28, 1925. Serial No. 218,012. PUBLISHED FEBRUARY 2, 1926.

211,906. SPECTACLES, EYEGLASSES, GOGGLES, AND LENS. OTTO ZEMAN, Chicago, Ill.
Filed July 18, 1925. Serial No. 217,595. PUBLISHED FEBRUARY 2, 1926.

211,907. CANNED VEGETABLES. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed July 10, 1925. Serial No. 217,163. PUBLISHED DECEMBER 29, 1925.

211,908. MEN'S HATS. MILLER BROS. HAT CO. INC., New York, N. Y.
Filed June 30, 1925. Serial No. 216,686. PUBLISHED FEBRUARY 2, 1926.

211,909. MEN'S HATS. LONG'S HAT STORES, New York, N. Y.
Filed June 22, 1925. Serial No. 216,191. PUBLISHED FEBRUARY 2, 1926.

211,910. COMBINATION ONE-PIECE BANDEAU AND GIRDLE. MILLS CORSET COMPANY, Worcester, Mass.
Filed June 19, 1925. Serial No. 216,065. PUBLISHED FEBRUARY 2, 1926.

211,911. CANNED FRUITS AND CANNED VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed December 26, 1925. Serial No. 225,211. PUBLISHED FEBRUARY 9, 1926.

211,912. AUTOMOBILE TOP DRESSINGS. ERNEST W. RICHARDS, Durango, Colo.
Filed December 22, 1925. Serial No. 225,036. PUBLISHED FEBRUARY 9, 1926.

211,913. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y., assignor to Caleb Crawford Company, Long Island City, N. Y., a Corporation of New York.
Filed December 18, 1925. Serial No. 224,854. PUBLISHED FEBRUARY 9, 1926.

211,914. FRESH VEGETABLES—NAMELY, FRESH TOMATOES. UNION FRUIT CO., INC., La Mesa, Calif.
Filed December 17, 1925. Serial No. 224,849. PUBLISHED FEBRUARY 9, 1926.

211,915. SHOE OIL. WILLIAM A. BAILEY, Portland, Oreg.
Filed December 10, 1925. Serial No. 224,492. PUBLISHED FEBRUARY 9, 1926.

211,916. SHOES MADE OF LEATHER AND OF LEATHER AND RUBBER COMBINED. THE SPORT-OCASIN CO., Yarmouth, Me.
Filed December 8, 1925. Serial No. 224,433. PUBLISHED JANUARY 19, 1926.

211,917. BOTTLED AND CANNED SARDINES. S. S. SIMON, Monterey, Calif.
Filed December 7, 1925. Serial No. 224,364. PUBLISHED FEBRUARY 9, 1926.

211,918. ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio.
Filed December 7, 1925. Serial No. 224,324. PUBLISHED FEBRUARY 2, 1926.

211,919. RADIO RECEIVING SETS. CARILLON RADIO CO., INC., Essex, N. Y.
Filed December 7, 1925. Serial No. 224,320. PUBLISHED FEBRUARY 2, 1926.

211,920. PLAYER PIANOS. JANSSEN PIANO CO., INC., New York, N. Y.
Filed December 5, 1925. Serial No. 224,283. PUBLISHED FEBRUARY 2, 1926.

211,921. CANDY. THE EDW. M. BECKER COMPANY, Cleveland, Ohio.
Filed December 4, 1925. Serial No. 224,227. PUBLISHED FEBRUARY 9, 1926.

211,922. WRITING PAPER AND ENVELOPES, CORRESPONDENCE CARDS AND ENVELOPES, WRITING PADS, FOUNTAIN PENS, WRITING-DESK SETS, DIARIES, ADDRESS BOOKS, ENGAGEMENT BOOKS, MEMORANDUM BOOKS, BLOTTERS, AND DESK AND OTHER MEMORANDUM CALENDARS. WOODWARD & LOTHROP, Washington, D. C.
Filed December 1, 1925. Serial No. 224,168. PUBLISHED FEBRUARY 9, 1926.

211,923. COMPLETE RADIO RECEIVING SETS, RADIO RECEIVING SETS ADAPTED FOR COMBINATION WITH TALKING MACHINES OR MECHANICAL AMPLIFIERS, AMPLIFIER UNITS CONTAINING ELECTRON TUBES, LOUD SPEAKERS, AND AMPLIFYING HORNS. METRO ELECTRIC CO., Chicago, Ill.
Filed December 2, 1925. Serial No. 224,102. PUBLISHED FEBRUARY 2, 1926.

211,924. BATTERY WATER. JACK FROST BEVERAGE COMPANY, Monaca, Pa.
Filed December 2, 1925. Serial No. 224,093. PUBLISHED FEBRUARY 9, 1926.

211,925. SHOES OF LEATHER, RUBBER, FABRIC, OR OF COMBINATIONS OF THESE MATERIALS. A. J. BATES COMPANY, Webster, Mass.
Filed February 2, 1921. Serial No. 143,086. PUBLISHED FEBRUARY 2, 1926.

211,926. RADIO RECEIVING SETS. MILTON H. JACOB, Pittsburgh, Pa.
Filed November 25, 1925. Serial No. 223,846. PUBLISHED FEBRUARY 2, 1926.

211,927. APPARATUS FOR WAXING AND POLISHING FLOORS AND FLOOR COVERINGS. S. L. PRODUCTS COMPANY, Philadelphia, Pa.
Filed May 27, 1925. Serial No. 214,977. PUBLISHED JULY 28, 1925.

211,928. HAM, BACON, SAUSAGES, SMOKED BEEF, AND PORK. JACOB FORST PACKING COMPANY, INC., Kingston, N. Y.
Filed May 19, 1925. Serial No. 214,542. PUBLISHED FEBRUARY 9, 1926.

211,929. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,299. PUBLISHED FEBRUARY 9, 1926.

211,930. MECHANICAL MOTOR FOR TALKING MACHINES OR PHONOGRAPHS OR OTHER LIKE MUSICAL INSTRUMENTS. GENERAL PHONOGRAPH CORPORATION OF CANADA, LTD., Kitchener, Ontario, Canada.
Filed April 24, 1925. Serial No. 213,233. PUBLISHED FEBRUARY 2, 1926.

211,931. WOOL CLOTH IN THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed March 20, 1925. Serial No. 211,393. PUBLISHED FEBRUARY 9, 1926.

211,932. METAL ELECTRIC LAMPS. ARROW GAUGE AND VALVE CO. INC., Brooklyn, N. Y.
Filed November 30, 1925. Serial No. 223,986. PUBLISHED FEBRUARY 2, 1926.

211,933. ELECTRIC-LIGHTING FIXTURES AND PARTS THEREOF. THE F. W. WAKEFIELD BRASS COMPANY, Vermilion, Ohio.
Filed November 27, 1925. Serial No. 223,949. PUBLISHED FEBRUARY 2, 1926.

211,934. AN ELECTRIC LAMP USABLE ALSO FOR COOKING, TOASTING, AND AIR-HEATING PURPOSES AND FOR ANY ONE OF SUCH PURPOSES IN COMBINATION WITH ITS LIGHTING FEATURES. JACOB STUART SCHARF, doing business as J. S. Scharf, New York, N. Y.
Filed November 27, 1925. Serial No. 223,944. PUBLISHED FEBRUARY 2, 1926.

211,935. PIANOS. THE CABLE COMPANY, Chicago, Ill.
Filed November 27, 1925. Serial No. 223,898. PUBLISHED JANUARY 26, 1926.

211,936. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, AND PURSES MADE OF PRECIOUS METAL. LIPPMANN, SPIER & HAHN, New York, N. Y.
Filed November 25, 1925. Serial No. 223,851. PUBLISHED JANUARY 19, 1926.

211,937. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,298. PUBLISHED FEBRUARY 9, 1926.

211,938. LEATHER GRIPS FOR GOLF CLUBS AND TENNIS RACKETS. RUNCHEY GRIP MFG. CO., San Francisco, Calif.
Filed March 10, 1925. Serial No. 210,810. PUBLISHED FEBRUARY 9, 1926.

211,939. STERLING SILVERWARE, GOLD-PLATED WARE, AND SILVER-PLATED WARE IN FLAT TABLEWARE, HOLLOW TABLEWARE, TOILET ARTICLES, AND JEWELRY—NAMELY, BOWLS, PLATES, PORRINGER CUPS, MUGS, FORKS, FOOD PUSHERS, KNIVES, SPOONS, NAPKIN RINGS, RATTLES, BRACELETS, BIB HOLDERS, NECKLACES, PINS, AND FINGER RINGS FOR CHILDREN'S JEWELRY, AND EATING IMPLEMENTS. FRANK LE BRON, New York, N. Y.
Filed February 21, 1925. Serial No. 209,996. PUBLISHED FEBRUARY 2, 1926.

211,940. FRESH GRAPES. FREY BROS., Lodi, Calif.
Filed November 19, 1924. Serial No. 205,521. PUBLISHED FEBRUARY 9, 1926.

211,941. CANDIES. MARBENK CO., New York, N. Y.
Filed October 31, 1924. Serial No. 204,664. PUBLISHED FEBRUARY 9, 1926.

211,942. WOMEN'S FITTED UNDERGARMENTS—NAMELY, BRASSIÈRES, CORSET BRASSIÈRES, CORSETS, AND GIRDLES. WEINGARTEN BROS., New York, N. Y.
Filed October 7, 1924. Serial No. 203,549. PUBLISHED FEBRUARY 2, 1926.

211,943. CONFECTIONS IN THE FORM OF TABLETS, PASTILS, JAM, AND PRESERVED FRUIT. AKTIEBOLAGET PASTILL, Gefle, Sweden.
Filed September 5, 1924. Serial No. 202,233. PUBLISHED MARCH 3, 1925.

211,944. CHILDREN'S HATS. FISHBEIN & KAPLAN, New York, N. Y.
Filed March 18, 1924. Serial No. 193,997. PUBLISHED JUNE 16, 1925.

211,945. BREAD. PURITY BAKING CO., St. Paul, Minn.
Filed March 7, 1924. Serial No. 193,420. PUBLISHED OCTOBER 28, 1924.

211,946. ICE BOXES OR REFRIGERATORS. FAIRFIELD MANUFACTURING CO., Portland, Me.
Filed January 21, 1924. Serial No. 191,062. PUBLISHED FEBRUARY 9, 1926.

211,947. ELECTRICAL WELDING MACHINES. ACME STEEL GOODS COMPANY, now by change of name Acme Steel Company, Chicago, Ill.
Filed September 21, 1923. Serial No. 185,998. PUBLISHED FEBRUARY 2, 1926.

211,949. LEATHER AND KID GLOVES. STEINBERGER BROS. LOBL CO. INC., New York, N. Y.
Filed April 7, 1923. Serial No. 178,779. PUBLISHED APRIL 7, 1925.

211,949. LEATHER AND KID GLOVES. STEINBERGER BROS. LOBL CO., New York, N. Y.
Filed April 7, 1923. Serial No. 178,778. PUBLISHED APRIL 7, 1925.

211,950. RADIO RECEIVING SETS, PARTS THEREOF, AND LOOP ANTENNÆ THEREFOR. REICHMANN COMPANY, Chicago, Ill.
Filed November 20, 1925. Serial No. 223,604. PUBLISHED FEBRUARY 2, 1926.

211,951. IRONING MACHINES. THE ALMETAL MANUFACTURING COMPANY, Maplewood, Mo.
Filed November 21, 1925. Serial No. 223,615. PUBLISHED JANUARY 26, 1926.

211,952. ELECTRIC-LIGHTING FIXTURES AND ELECTRIC-LIGHTING-FIXTURE UNITS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed November 21, 1925. Serial No. 223,671. PUBLISHED FEBRUARY 2, 1926.

211,953. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed November 21, 1925. Serial No. 223,673. PUBLISHED FEBRUARY 2, 1926.

211,954. RADIOCONDENSERS, RADIO RECEIVING SETS, AERIAL EQUIPMENT, LOUD SPEAKERS AND UNITS, TRANSFORMERS, TUNING UNITS, PLUGS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed November 23, 1925. Serial No. 223,698. PUBLISHED JANUARY 19, 1926.

211,955. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,718. PUBLISHED JANUARY 26, 1926.

211,956. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,719. PUBLISHED JANUARY 26, 1926.

211,957. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,720. PUBLISHED JANUARY 26, 1926.

211,958. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,721. PUBLISHED JANUARY 26, 1926.

211,959. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,723. PUBLISHED JANUARY 26, 1926.

211,960. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,725. PUBLISHED JANUARY 26, 1926.

211,961. WATCH MOVEMENTS AND WATCHCASES. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed November 23, 1925. Serial No. 223,726. PUBLISHED JANUARY 26, 1926.

211,962. WALL PAPER. A. C. DODMAN, JR., INC., Hoboken, N. J.
Filed November 24, 1925. Serial No. 223,772. PUBLISHED FEBRUARY 9, 1926.

211,963. TITLE OF A DAILY COMIC STRIP IN EVENING WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed November 24, 1925. Serial No. 223,802. PUBLISHED FEBRUARY 9, 1926.

211,964. FIGS, FRESH, CANNED, AND PRESERVED. BEAUMONT-HAMSHIRE FIG COMPANY, Beaumont, Tex.
Filed May 1, 1925. Serial No. 213,612. PUBLISHED FEBRUARY 9, 1926

[ACT OF MARCH 19, 1920, SEC. 1 (b)]:

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

211,965. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAY R. RAYMOND, New York, N. Y. Filed May 21, 1925. Serial No. 214,686.

BAT-RY-LES

Particular description of goods.—Radio Receiving Sets and/or Parts for Same and/or Attachments or Auxiliary Devices Pertaining to Radio Receiving Sets—Namely, Phones, Loud Speakers, and Battery Eliminators.
Claims use since Jan. 7, 1925.

211,966. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROLSCREEN COMPANY, Des Moines, Iowa. Filed Jan. 20, 1926. Serial No. 226,165.

ROL SCREEN

Particular description of goods.—Window Screens.
Claims use since May 1, 1920.

211,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENIE MICHAUD, New Bedford, Mass. Filed May 20, 1925. Serial No. 214,607.

SIROP FROID DE MICHAUD

Particular description of goods.—Medicine Used in the Treatment of Bronchitis, Asthma, and Old Lingering Colds.
Claims use for not less than one year.

211,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. B. MALT CO., Bay City, Mich. Filed Aug. 12, 1925. Serial No. 218,763.

Best on Record

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Jan. 5, 1925.

211,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. B. MALT CO., Bay City, Mich. Filed Aug. 12, 1925. Serial No. 218,761.

VAN BUREN

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Jan. 5, 1925.

211,970. (CLASS 39. CLOTHING.) SURF CAP COMPANY, Dallas, Tex. Filed July 24, 1925. Serial No. 217,839.

Surf Cap

Particular description of goods.—Bathing Caps.
Claims use since Mar. 1, 1925.

211,971. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed July 14, 1925. Serial No. 217,331.

VIGO

Particular description of goods.—Dress and Negligee Shirts.
Claims use since Mar. 13, 1925.

211,972. (CLASS 39. CLOTHING.) MCCLINTOCK-FIELD CO. INC., Ashland, Ky. Filed June 1, 1925. Serial No. 215,162.

TIFFANY

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Mar. 5, 1925.

211,973. (CLASS 39. CLOTHING.) MARCUS SAUL, INC., New York, N. Y. Filed Apr. 7, 1925. Serial No. 212,339.

A Jane Durant Frock

Particular description of goods.—Frocks, Dresses, Coats, and Suits for Misses and Women.
Claims use since Feb. 1, 1925.

211,974. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) EMIL E. LANDIN, Chicago, Ill. Filed Feb. 2, 1926. Serial No. 226,775.

TIRE SAVERS

Particular description of goods.—Interliners for Automobile Tires.
Claims use Mar. 15, 1922.

211,975. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Jan. 16, 1925. Serial No. 208,203.

PEMBROKE

Particular description of goods.—Shoes of Leather.
Claims use since Dec. 19, 1924.

211,976. (CLASS 39. CLOTHING.) SEATTLE TENT & AWNING CO., Seattle, Wash. Filed Feb. 20, 1924. Serial No. 192,583.

STADRI

Particular description of goods.—Waterproof Coats for Men, Women, and Children; Slickers, Capes, Ponchos; Hats for Men, Women, and Children; Pants and Aprons.
Claims use since Oct. 15, 1923.

211,977. (CLASS 39. CLOTHING.) MAGNET KNITTING MILLS, Clinton, Tenn. Filed Mar. 13, 1925. Serial No. 210,973.

SILKOVER

Particular description of goods.—Hosiery.
Claims use since Feb. 23, 1925.

211,978. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 2, 1925. Serial No. 224,117.

WARWICK

Particular description of goods.—Painters' Brushes.
Claims use since Oct. 5, 1922.

211,979. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY E. BULLOCK, Chicago, Ill. Filed Feb. 2, 1926. Serial No. 226,760.

CREEPING GRIP

Particular description of goods.—Tractors.
Claims use since Jan. 1, 1912.

211,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS' WHOLESALE SUPPLY COMPANY, Minneapolis, Minn. Filed Jan. 26, 1926. Serial No. 226,418.

CONSTANS

"Constantly Good"

Particular description of goods.—Groceries—Namely, Wheat Flour, Canned Beans, Canned Sweet Potatoes, Canned Beets, Canned Tomatoes, Canned Corn, Canned Pumpkin, and Olive Oil; Spices—Namely, Cinnamon, Pepper, Mustard, Allspice, and Cloves.
Claims use since on or about Jan. 1, 1921.

211,981. (CLASS 39. CLOTHING.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Jan. 1, 1926. Serial No. 226,117.

"THE DRESS THAT ALMOST MAKES ITSELF"

Particular description of goods.—Incomplete Dress Pieces Which Are Made Up in Dresses.
Claims use since Feb. 1, 1925.

211,982. (CLASS 15. OILS AND GREASES.) MABEL F. ALKIRE, Dallas, Tex. Filed Jan. 13, 1926. Serial No. 225,857.

AlkireArts

Particular description of goods.—Decorative and Ornamental Candles.
Claims use since Dec. 1, 1924.

211,983. (CLASS 32. FURNITURE AND UPHOLSTERY.) SELECT FURNITURE CORPORATION, Buffalo, N. Y. Filed Dec. 2, 1925. Serial No. 224,112.

Select

Particular description of goods.—Household Furniture Consisting of Upholstered Living-Room Suites, Dining-Room Furniture, Consisting of Buffets, China Cabinets, Servers, Tables, and Chairs; and Bedroom Furniture Consisting of Beds, Dressers, Vanities, Chifforobes, and Chiffonettes.
Claims use since Nov. 1, 1921.

211,984. (CLASS 39. CLOTHING.) CHARLES HOFFMAN, New York, N. Y. Filed Sept. 5, 1925. Serial No. 219,894.

Marlboro
DRESSES
"MADE GOOD TO MAKE GOOD"

Particular description of goods.—Dresses.
Claims use since Mar. 2, 1925.

211,985. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MCKIM ELECTRIC COMPANY, Chicago, Ill. Filed Apr. 23, 1925. Serial No. 213,182.

STANDARD

Particular description of goods.—Electrical Hair-Cutting Machines.
Claims use since Oct. 20, 1924.

211,986. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Apr. 3, 1925. Serial No. 212,127.

EARSON

Particular description of goods.—Radio Receiving Sets, Loud Speakers, and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Jan. 5, 1925.

211,987. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PARKER-REGAN MFG. CO., San Francisco, Calif. Filed Feb. 18, 1925. Serial No. 209,808.

BETTY BRIGHT

Particular description of goods.—Mops.
Claims use since Dec. 29, 1924.

211,988. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MILTON H. SHOENBERG, doing business as Clean-Heat Appliance Company, San Francisco, Calif. Filed Jan. 19, 1925. Serial No. 208,316.

Clean-Heat

Particular description of goods.—Electric Immersion Heaters for Liquids.
Claims use since Dec. 1, 1924.

211,989. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYDROX CHEMICAL CO., Chicago, Ill. Filed Apr. 2, 1925. Serial No. 212,082.

ELECTROCHEMICAL

Particular description of goods.—Peroxide of Hydrogen.
Claims use since Jan. 2, 1925.

211,990. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Feb. 21, 1925. Serial No. 209,971.

BON-TON

Particular description of goods.—String Instruments—Namely, Mandolins, Guitars, Ukuleles, Banjos, and Zithers.
Claims use since Feb. 7, 1925.

211,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULI KISSEL, Milwaukee, Wis. Filed Mar. 14, 1925. Serial No. 211,039.

JULI
KISSEL'S

Particular description of goods.—Corn Salve.
Claims use since Mar. 9, 1925.

211,992. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Feb. 24, 1925. Serial No. 210,077.

Pillsbury's
NAPOLI

Particular description of goods.—Flour Made From Wheat.
Claims use since on or about Jan. 1, 1905.

211,993. (CLASS 15. OILS AND GREASES.) SHELL COMPANY OF CALIFORNIA, San Francisco, Calif. Filed Dec. 30, 1924. Serial No. 207,477.

Quick Starting

Particular description of goods.—Fluid Fuel—Namely, Gasoline.
Claims use since October, 1920.

211,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa. Filed Dec. 9, 1925. Serial No. 224,480.

SUPPLEE-WILLS-JONES

Particular description of goods.—Raw Milk, Pasteurized Milk, Certified Milk, Raw Cream, Pasteurized Cream, Certified Cream, Butter, Buttermilk, Ice Cream and Ices, and Cottage Cheese.
Claims use since 1917.

211,995. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEBER BATTERY CO., Chicago, Ill. Filed Nov. 5, 1925. Serial No. 222,895.

WEBER

Particular description of goods.—Storage Batteries.
Claims use since Sept. 1, 1910.

211,996. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS BROS. & CO., Baltimore, Md. Filed Nov. 14, 1925. Serial No. 223,324.

"PHILLIPS FABRICS"

THE BUY-WORD FOR DRY GOODS

Particular description of goods.—Goods Made of Cotton, Woolen, Linen, Silk, and Rayon Materials in the Original Piece, Pairs, and Dozens.
Claims use since Jan. 25, 1924.

211,997. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 2, 1925. Serial No. 224,115.

CAMBRIDGE

Particular description of goods.—Painters' Brushes.
Claims use since Oct. 5, 1922.

211,998. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 2, 1925. Serial No. 224,114.

STRATFORD

Particular description of goods.—Painters' Brushes.
Claims use since Oct. 5, 1922.

211,999. (CLASS 1, RAW OR PARTLY-PREPARED MATERIALS.) E. CLEMENS HORST CO., San Francisco, Calif. Filed June 10, 1925. Serial No. 215,569.

GOLD MEDAL

Particular description of goods.—Hops.
Claims use since Apr. 1, 1918.

212,000. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) L. & E. STIRN, New York, N. Y. Filed Mar. 24, 1925. Serial No. 211,551.

Paris Faille

Particular description of goods.—Silk Piece Goods.
Claims use since Feb. 27, 1925.

212,001. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) UNITY BEVERAGE COMPANY, Chicago, Ill. Filed Jan. 22, 1926. Serial No. 226,265.

NU-BRU

Particular description of goods.—Malt Sirup for Beverage Purposes.
Claims use since Feb. 7, 1922.

212,002. (CLASS 12. CONSTRUCTION MATERIALS.) HOLORIB, INCORPORATED, Cleveland, Ohio. Filed Jan. 29, 1925. Serial No. 208,812.

HOLORIB

Particular description of goods.—Metal Sheets for Building Purposes.
Claims use since about June, 1924.

212,003. (CLASS 33. GLASSWARE.) J. E. MARSDEN GLASS WORKS, INC., Ambler, Pa. Filed Feb. 18, 1925 Serial No. 209,800.

KOMPAK

Particular description of goods.—Household Glassware, Glass Trays for General Use, Glass Trays for Supporting Batteries, Electric-Lighting Fixtures Made of Glass, Meter-Window Plates, Automobile Lenses, and Window Glass.
Claims use since Jan. 23, 1925.

212,004. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NIAGARA METAL WEATHER STRIP CO., Buffalo, N. Y. Filed Feb. 1, 1926. Serial No. 226,733.

BERRY

Particular description of goods.—Hygienic Ventilators.
Claims use since 1911.

212,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. T. MULLIKIN CO., INC., Philadelphia, Pa. Filed Mar. 1, 1923. Serial No. 176,802.

OLD DOMINION

Particular description of goods.—Peanut Butter.
Claims use since 1902.

212,006. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PREMIER GRAND PIANO CORPORATION, New York, N. Y. Filed June 28, 1924. Serial No. 199,318.

RADIO-GRAND PIANO

Particular description of goods.—Combined Grand Pianos and Radio Receiving Sets, Grand Pianos Combinable with Radio Receiving Sets; Grand Pianos Having Radio Receiving Sets Mounted, Installed, or Contained Therein; Grand Pianos Constructed for Combination with Radio Receiving Sets or for Use in Connection with Radio Receiving Sets, and Grand Pianos Parts of which are used as Parts of Radio Receiving Sets.
Claims use since June 9, 1924.

212,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. SPOHR, doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland. Filed July 12, 1924. Serial No. 199,956.

NOVOCHIMOSIN

Particular description of goods.—Enzymes Made of Gastric Juice Used for Intestinal Medication.
Claims use since November, 1922.

212,008. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE STONEWALL COTTON MILLS, Stonewall, Miss. Filed Dec. 19, 1925. Serial No. 224,936.

HADLEY

Particular description of goods.—Chambray, Cheviot, and Denims in the Piece.
Claims use since January, 1922.

212,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION, Puente, Calif. Filed Dec. 24, 1925. Serial No. 225,135.

TASTE-RITE

Particular description of goods.—Fresh Oranges, Lemons, and Grapefruit.
Claims use since December, 1919.

212,010. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JAMES B. BAKER, Sioux City, Iowa. Filed Jan. 4, 1926. Serial No. 225,464.

BAKER OIL BURNER

Particular description of goods.—Oil Burners.
Claims use since Sept 3, 1924.

212,011. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JAMES R. MILLEN, Detroit, Mich. Filed Dec. 1, 1925. Serial No. 224,146.)

JUMPER CART

Particular description of goods.—Children's Carriages.
Claims use since Nov. 1, 1923.

212,012. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ILLINOIS WATCH CASE COMPANY, Elgin, Ill. Filed Nov. 23, 1925. Serial No. 223,724.

ARLINGTON

Particular description of goods.—Watch Movements and Watchcases.
Claims use since Oct. 14, 1922.

212,013. (CLASS 37. PAPER AND STATIONERY.) THE HAMILTON AUTOGRAPHIC REGISTER CO., Hamilton, Ohio. Filed Oct. 8, 1925. Serial No. 221,420.

Particular description of goods.—Autographic Registers and Printed Stationery in Reel-Wound Form for Use in Autographic Registers.
Claims use since January, 1920.

212,014. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HONOLULU DAIRYMEN'S ASSOCIATION, LTD., doing business as Mid-Pacific Candy Factory, Honolulu, Hawaii. Filed Oct. 24, 1925. Serial No. 222,244.

KANNE KANDIES

Particular description of goods.—Candies.
Claims use since Mar. 1, 1925.

212,015. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed Oct. 27, 1925. (Serial No. 222,875.

FORSTNERS

Particular description of goods.—Ornamental Chains, Finger Rings, Bracelets, Scarf Pins, Cuff Links, Collar Buttons, Shirt Studs and Buttons, Pocketknives, Lockets, Pendants, All Made of or Plated With Precious Metal.
Claims use for not less than one year.

212,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. PIERRE CHEMICAL CO., Chicago, Ill. Filed Nov. 5, 1925. Serial No. 222,877.

SANGUI-NEURO

Particular description of goods.—Nerve Tablets.
Claims use since Jan. 1, 1896.

212,017. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) JOSEPHINE S. WATERHOUSE, doing business as Waterhouse Manufacturing Company, Los Angeles, Calif. Filed Nov. 5, 1925. Serial No. 222,894.

WATERHOUSE

Particular description of goods.—Clothes Driers.
Claims use since July, 1922.

212,018. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) S. R. FRALICK & COMPANY, Chicago, Ill. Filed Sept. 8, 1925. Serial No. 219,955.

"No-Bolt"

Particular description of goods.—Fixture Studs for Securing Electroliers and the Like to Electrical Outlet Boxes.
Claims use since Mar. 8, 1921.

212,019. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JEWEL EMBLEM MFG. CO., Chicago, Ill. Filed Sept. 21, 1925. Serial No. 220,540.

JEWEL

Particular description of goods.—Class Pins and Finger Rings for Personal Wear, Fraternity Crests, Badges of Honor, Emblems, Sorority Pins, Prize Medals, Lodge Pins, Society Pins; Jewels—Namely, Cut and Uncut Stones; Charms, Finger Rings, Fobs, Convention Badges, Enameled Buttons for Personal Ornament, Automobile Radiator Plates and Ornaments, Lapel Buttons; Pocket Coins Usually Designated as Lucky Pieces; Medallions for Personal Wear, Cuff Links, Key Tags, Scarf Pins, All Made of or Plated With Precious Metal.
Claims use since May 1, 1920.

212,020. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WATERS-GENTER CO., Minneapolis, Minn. Filed Mar. 25, 1925. Serial No. 211,641.

MASTER SANDWICH TOASTER

Particular description of goods.—Electric Toasters.
Claims use since on or about Sept. 1, 1924.

212,021. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. G. CHERRY COMPANY, Cedar Rapids, Iowa. Filed Sept. 8, 1925. Serial No. 219,937.

CHERRY

Particular description of goods.—Machines, Including Single and Twin Coil and Flash, for Pasteurizing and Ripening Milk, Cream, and Other Liquids, for Mixing Ice-Cream Batch, for Making Buttermilk, and for Cooling Condensed Milk; Ice-Cream-Brick Cutters, Wrapping Tables, and Storage Vats; Churns, Including Single Lever and Single Roll, Butterworkers, Butter Cutters and Printers, Mixers, Starter Cans, Sanitary Vats, Coolers, and Forewarmers and Mixing Vats.
Claims use since Jan. 1, 1923.

212,022. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) E. P. JOHNSON PIANO CO., Elgin, Ill. Filed Aug. 31, 1925. Serial No. 219,590.

SEYBOLD
ELGIN, ILL.

Particular description of goods.—Pianos and Player Pianos.
Claims use since July 30, 1916.

212,023. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER A. ALDERMAN, Sacramento, Calif. Filed June 22, 1925. Serial No. 216,132.

"SURE SWEET"

Particular description of goods.—Dried Prunes, Peaches, Figs, and Apricots; Canned Prunes.
Claims use since Nov. 15, 1924.

LABELS

REGISTERED APRIL 20, 1926.

30,203.—*Title:* PEEL'S THERAPEUTIC SHOES. For Shoes. JOHN RAYMOND AYERS, Boston, Mass. Published November 1, 1925.

30,204.—*Title:* BEECH-NUT "MINTS" SPEARMINT. For Candy. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 16, 1926.

30,205.—*Title:* BEECH-NUT "MINTS" WINTERGREEN. For Candy. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 23, 1926.

30,206.—*Title:* BEECH-NUT "MINTS" PEPPERMENT. For Candy. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 21, 1926.

30,207.—*Title:* DEL MONTE BRAND OLEOMARGARINE. For Oleomargarine. W. W. BENCHLEY, San Francisco, Calif. Published March 6, 1926.

30,208.—*Title:* RUBY BARS. For Rhubarb Sold in Its Natural State. THE BLOOM COMPANY, Detroit, Mich. Published March 20, 1926.

30,209.—*Title:* VEGETARIAN BEANS (11 OZS.). For Canned Beans. JACOB BRANFMAN, New York, N. Y. Published March 1, 1926.

30,210.—*Title:* VEGETARIAN BEANS (5 OZS.). For Canned Beans. JACOB BRANFMAN, New York, N. Y. Published March 1, 1926.

30,211.—*Title:* VEGETARIAN BEANS (18 OZS.) For Canned Beans. JACOB BRANFMAN, New York, N. Y. Published March 1, 1926.

30,212.—*Title:* NORWEGIAN COD LIVER OIL. For Cod-Liver Oil. BUCK & RAYNER, Chicago, Ill. Published January 2, 1926.

30,213.—*Title:* REDWOOD. For Pickles. CALIFORNIA PICKLERS & PRESERVERS, INCORPORATED, San Francisco, Calif. Published March 4, 1926.

30,214.—*Title:* CAMPHO LAC. For Antiseptic Lotion. THE CAMPHO LAC COMPANY, San Juan Bautista, Calif. Published December 18, 1925.

30,215.—*Title:* CARONI BITTERS. For a Liquid Patent Medicine. CARONI PRODUCTS CO., INC., Brooklyn, N. Y. Published November 15, 1925.

30,216.—*Title:* COLACTIN. For a Laxative. CHARTERFIELD LABORATORIES, INC., Los Angeles, Calif. Published January 2, 1926.

30,217.—*Title:* CERTIFIED BY THE CHICAGO MASTER STEAMFITTERS ASSOCIATION. For Heating Apparatus. CHICAGO MASTER STEAMFITTERS' ASS'N., Chicago, Ill. Published August 21, 1925.

30,218.—*Title:* RICE'S PAN-DANDY BREAD. For Bread. THE CITY BAKING COMPANY, Baltimore, Md. Published February 17, 1926.

30,219.—*Title:* LIBERTY CAMP WATER. For Treated Natural Mineral Water. AUGUST C. DITTRICH, Hayward, Wis. Published March 12, 1926.

30,220.—*Title:* YUBET. For Nonalcoholic Drinks. H. Fox & Co., Brooklyn, N. Y. Published December 1, 1925.

30,221.—*Title:* NIFTY. For Carbonated Beverages. J. A. GOSNELL, Sheffield, Ala. Published September 1, 1925.

30,222.—*Title:* DELICIOUS HEALTH BREAD. For Bread. GUTHRIE MERCANTILE COMPANY, St. Joseph, Mo. Published March 17, 1926.

30,223.—*Title:* DR. SYDNEY H. HARVEY'S SEASICK REMEDY. For Seasick Remedy. LILAH M. HARVEY, Los Angeles, Calif. Published March 3, 1926.

30,224.—*Title:* ICE-BERG. For Sherbet Powder. B. HELLER & COMPANY, Chicago, Ill. Published February 20, 1926.

30,225.—*Title:* $1000.00 GUARANTEED FLY KILLER. For a Preparation for Killing Flies. B. HELLER & COMPANY, Chicago, Ill. Published March 20, 1926.

30,226.—*Title:* CRYSTAL MOTOR OIL. For Motor Oil. LAKE SHORE OIL CO. INC., Chicago, Ill. Published November 16, 1925.

30,227.—*Title:* MYSTICO (EXCEL) LIQUID GLASS AND MIRROR CLEANER. For a Chemical Compound for Cleaning Glass. LOUIS LASKOW, doing business as "L" Specialty Company, St. Louis, Mo. Published March 15, 1926.

30,228.—*Title:* PREMIER. For Figs. FRANCIS H. LEGGETT & Co., New York, N. Y. Published March 1, 1926.

30,229.—*Title:* YORKSHIRE FARM. For Selected Eggs. JOHN MORRELL & Co., Ottumwa, Iowa. Published November 2, 1925.

30,230.—*Title:* ASMAGON. For a Remedy for Asthma. BLANCHE M. NORTHRUP, doing business as Alhuno Laboratories, Los Angeles, Calif. Published January 17, 1926.

30,231.—*Title:* RY-KRISP. For Rye Breakfast Food. THE RY-KRISP COMPANY, Minneapolis, Minn. Published March 10, 1926.

30,232.—*Title:* EL PENSAR. For Cigars. S & S CIGAR Co., Philadelphia, Pa. Published April 16, 1925.

30,233.—*Title:* PLEASANT RUN FARM BRAND EGGS. For Eggs. P. G. SIMMONS COMPANY, Philadelphia, Pa. Published February 19, 1926.

30,234.—*Title:* PLEASANT RUN FARM CREAMERY BUTTER. For Butter. P. G. SIMMONS COMPANY, Philadelphia, Pa. Published February 19, 1926.

30,235.—*Title:* EMILY-JANE CAKES. For Home-Made Cakes and Cookies. EMILY JANE SPILMAN, New Rochelle, N. Y. Published February 19, 1926.

30,236.—*Title:* STAR LIQUID STOP LEAK. For Liquid Stop-Leak Cement for Use in Radiators. STAR CHEMICAL COMPANY, Carbondale, Ill. Published January 11 1926.

30,237.—*Title:* TAYLOR'S MASSAGE BALM. For Massages Balm for Bunions, Callouses, and Corns. W. H. TAYLOR, St. Joseph, Mo. Published September 25, 1925.

30,238.—*Title:* TACOMA 2 IN 1. For Trusses. THE UNITED STATES TRUSS CO., Cincinnati, Ohio. Published January 4, 1926.

30,239.—*Title:* CHARLESTON. For Candy Bars. W. W. C. WHOLESALE COMPANY, Pocatello, Idaho. Published December 27, 1925.

30,240.—*Title:* OREGON TRAIL. For Candy Bars. W. W. C. WHOLESALE COMPANY, Pocatello, Idaho. Published April 1, 1925.

30,241.—*Title:* NU-TYPE CLEANER. For Preparation for Cleaning Typewriters and All Metal or Rubber Type. SAMUEL WEINSTEIN, doing business as Nu-Type Company, St. Paul, Minn. Published February 1, 1926.

30,242.—*Title:* CAIN'S BETTER COFFEE. For Coffee. WESTERN COFFEE & TEA CO., Oklahoma City, Okla. Published November 25, 1925.

30,243.—*Title:* CAIN'S BETTER EXTRACTS. For Extracts and Flavors for Food Purposes. WESTERN COFFEE & TEA CO., Oklahoma City, Okla. Published November 25, 1925.

30,244.—*Title:* CAIN'S BETTER TEA. For Teas. WESTERN COFFEE & TEA CO., Oklahoma City, Okla. Published November 25, 1925.

30,245.—*Title:* FLORETTE SOCIAL STATIONERY. For Stationery and Envelopes. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published March 15, 1926.

30,246.—*Title:* YE OLDE TIME STATIONERY. For Stationery and Envelopes. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published March 15, 1926.

30,247.—*Title:* PA-POOSE. For Nonalcoholic Cordial. E. A. ZATARAIN & SONS, INC., New Orleans, La. Published March 22, 1926.

PRINTS

REGISTERED APRIL 20, 1926.

8,699.—*Title:* ACIPCO MONO-CAST PIPE. For Centrifugally-Cast Pipe. AMERICAN CAST IRON PIPE COMPANY, Birmingham, Ala. Published February 12, 1926.

8,700.—*Title:* BLUE BAND VELVET PENCILS NO. 131. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published February 26, 1926.

8,701.—*Title:* VENUS PENCIL NO. 3822 (NO. 130). For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published February 26, 1926.

8,702.—*Title:* BLUE BAND VELVET PENCILS C-57. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published February 1, 1926.

8,703.—*Title:* THERE'S ONLY ONE 'B. V. D.' For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 17, 1926.

8,704.—*Title:* THE GREATEST STUDY OF YOUR CHILD'S HEALTH EVER MADE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 1, 1926.

8,705.—*Title:* LONGCHAMPS. For Stationery. EATON, CRANE & PIKE CO., Pittsfield, Mass. Published January 1, 1926.

8,706.—*Title:* A GIFT BOX OF CRANE'S CORDLINEAR. For Crane's Cordlinear. EATON, CRANE & PIKE CO., Pittsfield, Mass. Published December 1, 1925.

8,707.—*Title:* GORDON TIRE COVERS—SAVE SPARE TIRES—SEAT COVERS—SAVE UPHOLSTERING. For Automobile Tire Covers and Seat Covers. THE J. P. GORDON COMPANY, Columbus, Ohio. Published November 16, 1925.

8,708.—*Title:* MARINE HERRING. For Canned Herring. HELLER BROTHERS IMPORTING CO., INC., doing business as Vita Fish Preserving Works, New York, N. Y. Published March 4, 1926.

8,709.—*Title:* EARL CRAGG PLEDGES TO YOU. For Men's Clothing and Wearing Apparel. THE JOSEPH & FEISS CO., Cleveland, Ohio. Published March 18, 1926.

8,710.—*Title:* OR-BLOS. For Toilet Water, Perfume, Face Powder, and Talcum. OR-BLOS COMPANY, Jacksonville, Fla. Published February 15, 1925.

8,711.—*Title:* TINTO-TEX. For Window Shades. ORCHARD & WILHELM CO., Omaha, Nebr. Published February 1, 1926.

8,712.—*Title:* HELLO EVERYBODY. For Pureoxia Ginger Ale. THE PUREOXIA COMPANY, Boston, Mass. Published February 18, 1926.

8,713.—*Title:* BOSTON'S YEAR-ROUND FAVORITE. For Pureoxia Ginger Ale. THE PUREOXIA COMPANY, Boston, Mass. Published February 18, 1926.

8,714.—*Title:* ROPER VALUE. For Gas Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published March 20, 1926.

8,715.—*Title:* HERE'S THE BIGGEST IDEA IN THE OVERALL BUSINESS. For Overalls and Overall Repair Parts. SIGNAL SHIRT COMPANY, Racine, Wis. Published February 4, 1926.

8,716.—*Title:* A NEW IMPROVED OVERALL WITH FREE SERVICE. For Overalls and Overall Repair Parts. SIGNAL SHIRT COMPANY, Racine, Wis. Published February 15, 1926.

8,717.—*Title:* HERE'S AN ILLUSTRATION OF OUR NEW SIGNAL OVERALL SERVICE STATION. For Overalls and Overall Repair Parts. SIGNAL SHIRT COMPANY, Racine, Wis. Published February 18, 1926.

8,718.—*Title:* GET YOUR MONEY'S WORTH. For Overalls and Overall Repair Parts. SIGNAL SHIRT COMPANY, Racine, Wis. Published March 15, 1926.

8,719.—*Title:* SQUIBB'S COD-LIVER OIL PHYSIOLOGICALLY TESTED FOR VITAMIN CONTENT. For Cod-Liver Oil. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1925.

8,720.—*Title:* SQUIBB'S COD-LIVER OIL (VITAMIN-TESTED) UNUSUALLY RICH IN BODY-BUILDING, DISEASE-RESISTING VITAMINS. For Cod-Liver Oil. E. R. SQUIBB & SONS, New York, N. Y. Published January 1, 1926.

8,721.—*Title:* WE WILL GLADLY SEND YOU A FOUR-OUNCE SAMPLE OF SQUIBB'S LIQUID PETROLATUM. For Liquid Petrolatum. E. R. SQUIBB & SONS, New York, N. Y. Published November 1, 1925.

8,722.—*Title:* PIE AND FISSURE DECAY, CANNOT BE CONTROLLED BY THE TOOTH-BRUSH ALONE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published November 1, 1925.

8,723.—*Title:* NOW 40¢ A TUBE FORMERLY 50¢. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published September 6, 1925.

8,724.—*Title:* YOU'VE BEEN GOING TO DO IT FOR MONTHS—NOW LET'S HAVE ACTION. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Rochelle Salt, Dental Prophylactic, Epsom Salt, Castor Oil, Boric Acid, Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Milk Sugar, Sodium Phosphate, Analgesic Balm, Glycerin Suppositories, Benzoinated Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1925.

8,725.—*Title:* THE REAL WORK OF PROTECTING YOUR TEETH AND GUMS IS UP TO YOUR DENTIFRICE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1925.

8,726.—*Title:* AS PURE AS SQUIBB'S. For Sodium Bicarbonate. E. R. SQUIBB & SONS, New York, N. Y. Published September 13, 1925.

8,727.—*Title:* WHY MILLIONS OF WOMEN TODAY DEMAND SQUIBB'S DENTAL CREAM. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 18, 1925.

8,728.—*Title:* THEY HAD JUST GIVEN JOHNNY A SPOONFUL. For Castor Oil. E. R. SQUIBB & SONS, New York, N. Y. Published September 27, 1925.

8,729.—*Title:* CHILDREN THRIVE ON THESE VITAMINS. For Cod-Liver Oil. E. R. SQUIBB & SONS, New York N. Y. Published October 11, 1925.

8,730.—*Title:* IT IS EASIER TO TAKE SQUIBB'S EPSOM SALT. For Epsom Salt. E. R. SQUIBB & SONS, New York, N. Y. Published November 1, 1925.

8,731.—*Title:* A SOURCE OF STRENGTH, A WALL OF DEFENSE—FOR THE GROWING CHILD, THE INVALID, THE CONVALESCENT. For Cod-Liver Oil. E. R. SQUIBB & SONS, New York, N. Y. Published October 15, 1925.

8,732.—*Title:* CONFIDENCE THE FOUNDATION OF A SUCCESSFUL PRESCRIPTION DEPARTMENT. For Pharmaceuticals. E. R. SQUIBB & SONS, New York, N. Y. Published December 1, 1925.

8,733.—*Title:* UNQUESTIONED PURITY AND QUALITY. For Sodium Bicarbonate. E. R. SQUIBB & SONS, New York, N. Y. Published December 1, 1925.

8,734.—*Title:* THE PURPOSE OF THE SQUIBB EDUCATIONAL CONTEST. For Household Drugs and Pharmaceutical Products. E. R. SQUIBB & SONS, New York, N. Y. Published August 15, 1925.

8,735.—*Title:* YOU'VE BEEN GOING TO DO IT FOR MONTHS—THIS WEEK LET'S HAVE ACTION. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Epsom Salt, Castor Oil, Rochelle Salt, Dental Prophylactic; Boric Acid, Granular; Boric Acid, Powder; Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Glycerin Suppositories, Benzoinated Cream, Milk Sugar, Sodium Phosphate, Analgesic Balm. E. R. SQUIBB & SONS, New York, N. Y. Published October 25, 1925.

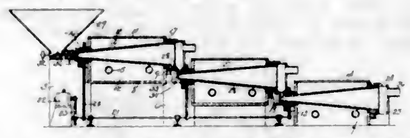
8,736.—*Title:* WHY MILLIONS OF MEN ARE TURNING TO SQUIBB'S DENTAL CREAM. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 4, 1924.

8,737.—*Title:* THERE'S STILL PLENTY OF TIME TO ENTER THE CONTEST. For Dental Cream, Milk of Magnesia, Castor Oil, Cod-Liver Oil, Epsom Salt, Bicarbonate of Soda. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1925.

REISSUES

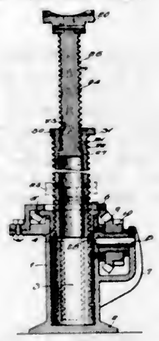
APRIL 20, 1926.

16,326. ROTATING RETORT. FREDERIC S. BACON, Middletown, Conn., assignor to Marlea A. Bacon, Middletown, Conn. Filed Jan. 22, 1926. Serial No. 83,152. Original No. 1,556,194, dated Oct. 6, 1925, Serial No. 630,501, filed Apr. 7, 1923. 15 Claims. (Cl. 263—34.)



1. A retort comprising a series of end communicating tapered tubes rotatably mounted and arranged in stepped down formation, the smaller ends of the tubes communicating with the larger ends of the tubes, the smaller ends of the tubes forming the inlets, vapor and gas conducting means for the larger end of each tube, and the smaller receiving end disposed below the lower side of the larger end of the adjacent tube.

16,327. LIFTING JACK. HARRY B. IMES, Chicago, Ill., assignor to John W. Hill, Chicago, Ill. Filed Nov. 7, 1925. Serial No. 67,701. Original No. 1,409,861, dated Mar. 14, 1922, Serial No. 392,191, filed June 28, 1920. 14 Claims. (Cl. 254—102.)

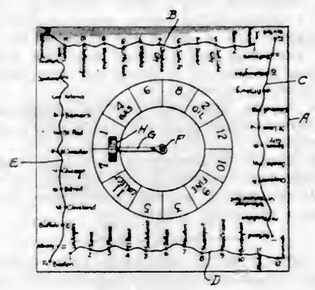


1. In a lifting jack adapted to contact with the body of an automobile to be lifted, and in combination, a supporting base formed with a vertically extending cylindrical opening in the center, an internally threaded collar rotatably supported upon the upper end of the base, a cooperating sleeve member externally threaded to engage with the thread in the collar and internally threaded to engage a telescoping supplemental lifting bar member, a supplemental lifting bar member externally threaded to engage said sleeve member, means for rotating said collar, and said parts carrying operatively associated means whereby to automatically effect successive axial movements of said members relative to said collar.

16,328. EMULSION AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Dec. 30, 1925. Serial No. 78,473. Original No. 1,479,042, dated Jan. 1, 1924, Serial No. 510,127, filed Oct. 24, 1921. 5 Claims. (Cl. 134—1.)

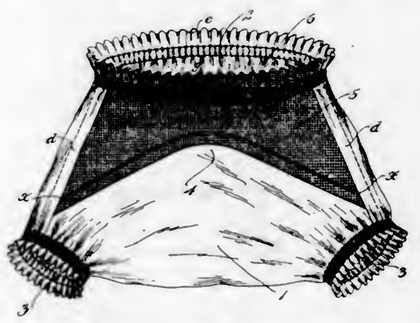
1. A non-adhesive emulsion, consisting of water, colloidal clay and asphalt, the asphaltic particles being so finely dispersed that more than 95% by weight of the emulsion will pass a screen having openings not larger than .044 of a millimeter.

16,329. GAME. PHILIP GANZHORN, Glen Ellyn, Ill. Filed Feb. 10, 1926. Serial No. 87,445. Original No. 1,555,363, dated Sept. 29, 1925, Serial No. 3,361, filed Jan. 19, 1925. 8 Claims. (Cl. 273—143.)



1. A game comprising a playing board designed to represent a plurality of highways, said highways being divided into an equal number of sections, the sections on a highway being numbered consecutively corresponding sections on the highways being marked by like numbers, position indicating means adapted to be placed in the sections and moved at will, and a counting indicator arranged to denote numbers corresponding to the numbers on the highways and adapted to be manipulated by a player to display one of said numbers by chance, certain of the numbers on said counting indicator also denoting penalties.

16,330. BABY PANTS. MAUD SINCLAIR GEORGE, St. Louis, Mo. Filed Aug. 20, 1925. Serial No. 51,477. Original No. 1,491,690, dated Apr. 22, 1924, Serial No. 550,164, filed Apr. 6, 1922. 5 Claims. (Cl. 128—288.)



5. A garment of the kind described comprising a closed bag-like trunk garment of impervious material having waist and leg openings, said leg openings being surrounded by the impervious material, the upper edge of the front face of the garment being cut away for a distance above the crotch portion thereof, and a section of foraminous material set in said cutaway portion and extending upward to the upper edge of the back face to complete the garment, the upper parts of said impervious back and said foraminous front portions forming said waist encircling opening.

16,331. ARSENATE OF LEAD. HARRY B. GOODWIN, Grand Junction, Colo., assignor to The Latimer Chemical Company, a Corporation of Colorado. Filed Nov. 8, 1921. Serial No. 513,847. Original No. 1,322,008, dated Nov. 18, 1919, Serial No. 248,343, filed Aug. 5, 1918. 17 Claims. (Cl. 167—6.)

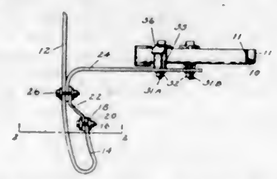
8. An insecticide of which the principal active ingredient is arsenate of lead with less than one per cent of free lead acetate and less than one per cent of free litharge and more than three-tenths of one per cent of tannic acid.

10. An insecticide composition comprising lead arsenate and a deflocculating agent, said composition being readily suspendable in water for spraying and having improved spreading and covering qualities when thus applied, and forming an adherent dry film resistant to the erosive action of water.

13. The herein described product comprising lead arsenate particles intimately associated with a colloid of organic origin.

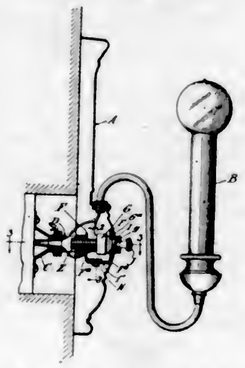
17. The process of treating a previously precipitated finely divided lead arsenate with a solution or emulsion of a small quantity of an organic substance capable of serving as a protective colloid.

16,332. AUTOMOBILE BUMPER AND ATTACHING MEANS. CHARLES E. KRAUS, Louisville, Ky., assignor, by direct and mesne assignments, of two-thirds to Fred W. Kraus and one-third to Reuben Ruthenburg, both of Louisville, Ky. Filed Mar. 1, 1926. Serial No. 91,636. Original No. 1,537,473, dated May 12, 1925, Serial No. 708,854, filed Apr. 25, 1924. 9 Claims. (Cl. 293—55.)



1. An automobile bumper, including in combination, a transversely extending bar, each end of said bar being bent rearwardly and thence inwardly in parallel relation to the main portion of said bar, bracing elements affixed to the end of each of said inward extensions, each of said bracing elements comprising a member having offset ends, one of said ends attached to said inwardly extending end and the other end adapted to cooperate with the main portion of the bumper bar, and means cooperating with the bracing elements for attaching the bumper to an automobile.

16,333. ELECTRIC-LIGHTING FIXTURE. ROMULUS CAROSELLI, Detroit, Mich., assignor, by mesne assignments to Nathan Ureles, New York, N. Y. Filed Dec. 23, 1925. Serial No. 77,392. Original No. 1,542,032, dated June 16, 1925, Serial No. 753,404, filed Dec. 1, 1924. 6 Claims. (Cl. 240—85.)



1. A wall lighting fixture comprising a panel having a rim to face the wall to which the fixture is applied, a support having a part adapted to be threaded upon an outlet box stud and having a switch holding part near the outer end thereof adjustable in position for adaptation with respect to the inner face of the panel, a switch having a casing with a threaded shank protruding through said panel, and a nut at the exterior of the panel threaded upon said shank and holding said panel in position.

DESIGNS

APRIL 20, 1926.

69,930. CLASS RING. ANDERS H. ANDERSEN, Poughkeepsie, N. Y. Filed Jan. 27, 1926. Serial No. 16,307. Term of patent 14 years.

The ornamental design for a class ring as shown.

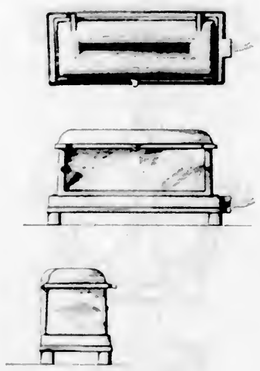
69,931. CASSEROLE. THOMAS BAIRD ANDERSON, Coshocton, Ohio. Filed July 17, 1925. Serial No. 14,125. Term of patent 7 years.

The ornamental design for a casserole, as shown.

69,932. AUTOMOBILE SIGNAL-LAMP CASING. EZRA BARKER, Portland, Oreg. Filed Dec. 23, 1925. Serial No. 15,836. Term of patent 14 years.

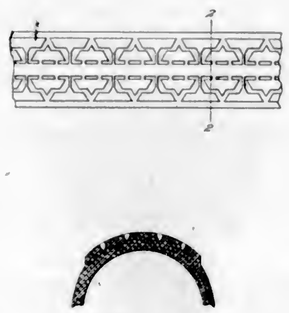
The ornamental design for an automobile signal lamp casing, as shown.

69,933. DISPLAY CASE FOR USE AS STORE FURNITURE. ROBERT A. BROOKS, Chicago, Ill. Filed Oct. 13, 1924. Serial No. 11,054. Term of patent 14 years.



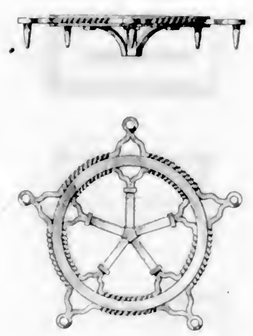
The ornamental design for a display case for use as store furniture as shown.

69,934. TIRE TREAD. ALBERT E. CALDWELL, Erie, Pa., assignor to Continental Rubber Works, Erie, Pa., a Corporation of Pennsylvania. Filed Jan. 27, 1926. Serial No. 16,293. Term of patent 7 years.



The ornamental design for a tire tread, as shown.

69,935. PLATE FOR LIGHTING FIXTURES. LE ROY A. CRUMLEY, New York, N. Y., assignor to Israel J. Tombacher, New York, N. Y., and Harry M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Filed Feb. 23, 1926. Serial No. 16,637. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures substantially as shown.

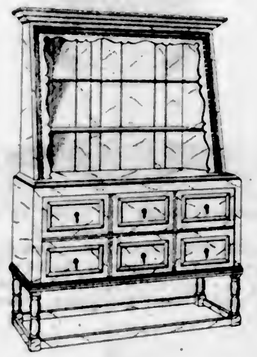
69,936. LIGHTING FIXTURE BRACKET. LE ROY A. CRUMLEY, New York, N. Y., assignor to Israel J. Tombacher, New York, N. Y., and Harry M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Filed Feb. 23, 1926. Serial No. 16,638. Term of patent 3½ years.

The ornamental design for a lighting-fixture bracket substantially as shown.

69,937. BOTTLE. LOUIS DE ROQUEFEUIL, Asnieres, France. Filed Jan. 29, 1926. Serial No. 16,320. Term of patent 3½ years.

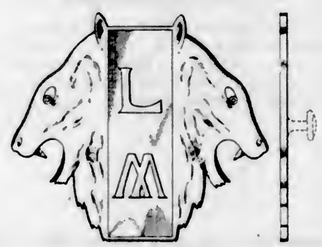
The ornamental design for a bottle as shown.

69,938. CUPBOARD OR SIMILAR ARTICLE. RALPH C. ERSKINE, Stamford, Conn., assignor to Erskine-Danforth Corporation, a Corporation of New York. Filed Nov. 30, 1925. Serial No. 15,578. Term of patent 7 years.



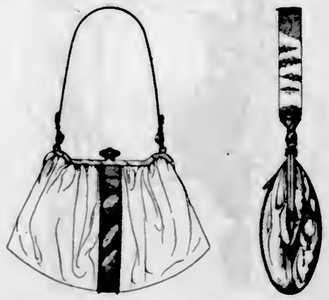
The ornamental design for a cupboard or similar article as shown and described.

69,939. BADGE OR THE LIKE. WALTER JESSE ELLWOOD, Sioux Falls, S. Dak. Filed Dec. 24, 1925. Serial No. 15,843. Term of patent 14 years.



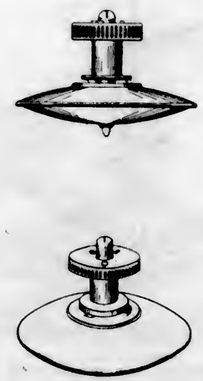
The ornamental design for a badge or the like, as shown.

69,940. HAND BAG. RUBIN FISHBEIN, Bayonne, N. J. Filed Feb. 9, 1926. Serial No. 16,459. Term of patent 7 years.



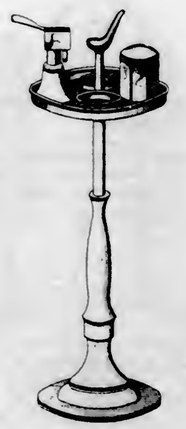
The ornamental design for a hand bag as shown.

69,941. TOP. ELMER W. GIBBS, Canton, Ohio, assignor to The Gibbs Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Feb. 17, 1926. Serial No. 16,557. Term of patent 14 years.



The ornamental design for a top as shown.

69,942. SMOKER'S STAND. SAMUEL E. GUINN, Johnson City, Tenn., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn., a Corporation of New York. Filed Mar. 4, 1926. Serial No. 16,787. Term of patent 14 years.



The ornamental design for a smoker's stand, as shown.

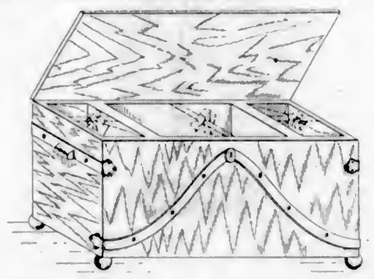
69,943. CIGAR LIGHTER. SAMUEL E. GUINN, Johnson City, Tenn., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn., a Corporation of New York. Filed Mar. 4, 1926. Serial No. 16,788. Term of patent 14 years.

The ornamental design for a cigar lighter as shown.

69,944. COMBINED CIGAR HOLDER AND ASH RECEPTACLE. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Jan. 22, 1926. Serial No. 16,214. Term of patent 14 years.

The ornamental design for a combined cigar holder and ash receptacle, as shown.

69,945. STATIONERY CONTAINER. LOGAN HORRALL, Indianapolis, Ind. Filed Oct. 19, 1923. Serial No. 7,540. Term of patent 3½ years.

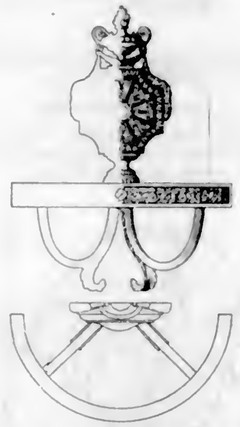


The ornamental design for a stationery container, as shown.

69,946. RING. RANDALL H. JONES, Indianapolis, Ind. Filed Sept. 27, 1923. Serial No. 7,348. Term of patent 3½ years.

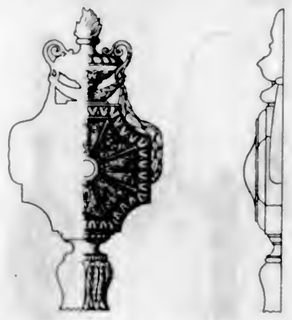
The ornamental design for a ring as shown.

69,947. LIGHTING FIXTURE. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,634. Term of patent 7 years.



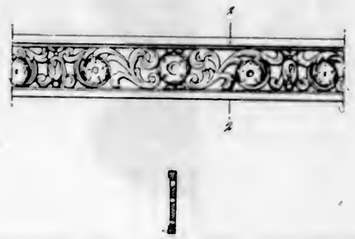
The ornamental design for a lighting fixture, substantially as shown and described.

69,948. BACKPLATE FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,635. Term of patent 7 years.



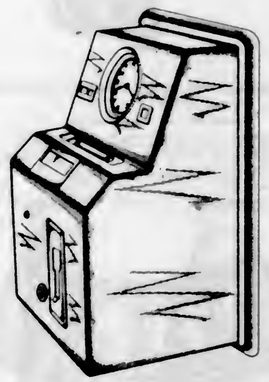
The ornamental design for a backplate for lighting fixtures, substantially as shown and described.

69,949. BAND FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,636. Term of patent 7 years.



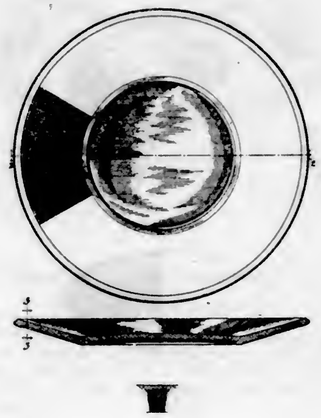
The ornamental design for a band for lighting fixtures, substantially as shown and described.

69,950. CASING FOR TIME RECORDERS. CLAIR D. LAKE, Binghamton, N. Y., assignor to International Time Recording Company of New York, Endicott, N. Y., a Corporation of New York. Filed July 29, 1925. Serial No. 14,252. Term of patent 14 years.



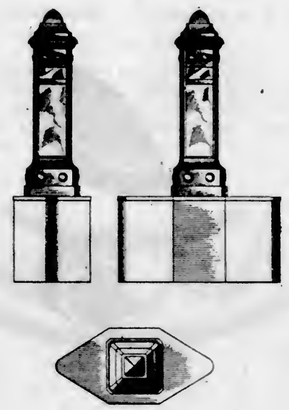
The ornamental design for a casing for time recorders, as shown.

69,951. PLATE. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 14, 1926. Serial No. 16,062. Term of patent 14 years.



The ornamental design for a plate, as shown.

69,952. TRAFFIC SIGNAL. CHARLES T. MARTON, Rochester, N. Y., assignor to John R. Powers, Rochester, N. Y., doing business under the name and style of Rochester Street Signal Company, Rochester, N. Y. Filed Mar. 4, 1926. Serial No. 16,790. Term of patent 14 years.

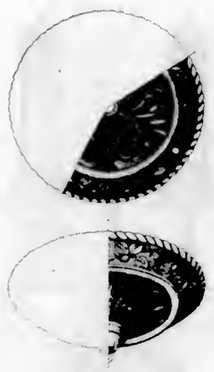


The ornamental design for a traffic signal as shown.

69,953. LIGHTING FIXTURE. WILLIAM F. MICHELS, Milwaukee, Wis. Filed Feb. 20, 1926. Serial No. 16,623. Term of patent 3½ years.

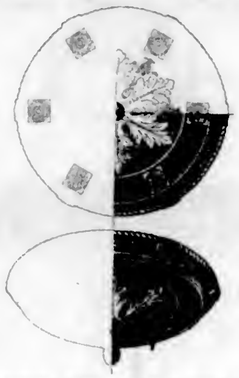
The ornamental design for a lighting fixture substantially as shown and described.

69,954. LIGHTING FIXTURE. WILLIAM F. MICHELS, Milwaukee, Wis. Filed Feb. 20, 1926. Serial No. 16,624. Term of patent 3½ years.



The ornamental design for a lighting fixture substantially as shown and described.

69,955. LIGHTING FIXTURE. WILLIAM F. MICHELS, Milwaukee, Wis. Filed Feb. 20, 1926. Serial No. 16,625. Term of patent 3½ years.

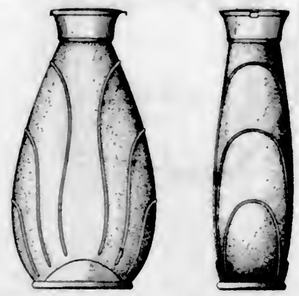


The ornamental design for a lighting fixture substantially as shown and described.

69,956. LIGHTING FIXTURE. WILLIAM F. MICHELS, Milwaukee, Wis. Filed Feb. 20, 1926. Serial No. 16,626. Term of patent 3½ years.

The ornamental design for a lighting fixture substantially as shown and described.

69,957. BOTTLE OR SIMILAR ARTICLE. GRADY MILLER, Ridgewood, N. J. Filed Dec. 11, 1925. Serial No. 15,710. Term of patent 14 years.



The ornamental design for a bottle or similar article, substantially as shown and described.

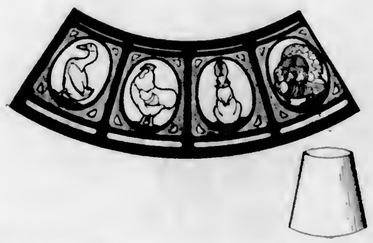
69,958. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1926. Serial No. 15,949. Term of patent 7 years.

The ornamental design for a plate or analogous article, substantially as shown and described.

69,959. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,684. Term of patent 7 years.

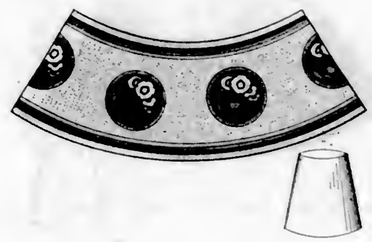
The ornamental design for a lamp shade, as shown.

69,960. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,685. Term of patent 7 years.



The ornamental design for a lamp shade, as shown.

69,961. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,686. Term of patent 7 years.



The ornamental design for a lamp shade, as shown.

69,962. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,687. Term of patent 7 years.

The ornamental design for a lamp shade, as shown.

69,963. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,688. Term of patent 7 years.

The ornamental design for a lamp shade, as shown.

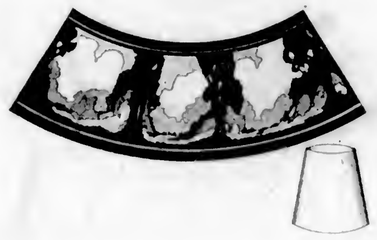
69,964. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,689. Term of patent 7 years.

The ornamental design for a lamp shade, as shown

69,965. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,690. Term of patent 7 years.

The ornamental design for a lamp shade, as shown.

69,966. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,691. Term of patent 7 years.



The ornamental design for a lamp shade, as shown.

69,967. LAMP SHADE. STANLEY A. PETTIBONE, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1925. Serial No. 14,692. Term of patent 7 years.

The ornamental design for a lamp shade, as shown.

69,968. LAMP STAND OR ARTICLE OF SIMILAR NATURE. BEN RUBENSTEIN, New York, N. Y., assignor to Ruby Lamp Mfg. Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 15, 1925. Serial No. 14,433. Term of patent 3½ years.

The ornamental design for a lamp stand or article of similar nature, as shown.

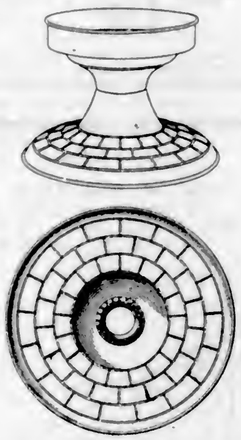
69,969. LIQUID DISPENSER. WILLIAM ALBERT SCHATZ, New York, N. Y., assignor to Rotax Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1926. Serial No. 16,190. Term of patent 14 years.

The ornamental design for a liquid dispenser, as shown.

69,970. BOX OR SIMILAR CONTAINER. JEROME J. SCHOTTEN, St. Louis, Mo. Filed Dec. 19, 1925. Serial No. 15,792. Term of patent 14 years.

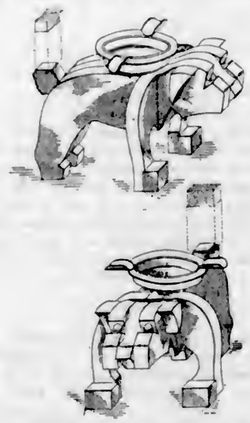
The ornamental design for a box or similar container, substantially as shown.

69,971. CEILING FIXTURE. MORRIS SCHLEPP, New York, N. Y. Filed Feb. 8, 1926. Serial No. 16,450. Term of patent 3½ years.



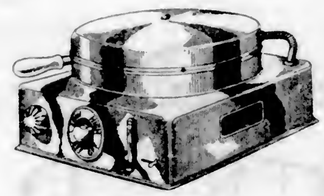
The ornamental design for a ceiling fixture, substantially as shown.

69,972. SMOKING STAND. ALBERT J. SCHNEIDER, Dayton, Ohio. Filed Feb. 15, 1926. Serial No. 16,526. Term of patent 7 years.



The ornamental design for a smoking stand substantially as shown.

69,973. WAFFLE IRON. MILTON H. SHOENBERG, San Francisco, Calif. Filed Nov. 17, 1925. Serial No. 15,435. Term of patent 14 years.

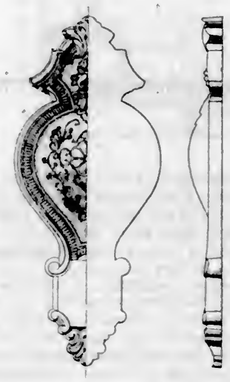


The ornamental design for a waffle iron substantially as shown.

69,974. DISPLAY DEVICE. LAMAR H. SHOVER, Milwaukee, Wis., assignor to Panay Horizontal Show Jar Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,599. Term of patent 14 years.

The ornamental design for a display device as shown.

69,975. BACKPLATE FOR LIGHTING FIXTURES. PAUL SIPTROTT, New York, N. Y., assignor to Royal Metal Lighting Fixture Company, Inc., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,639. Term of patent 3½ years.

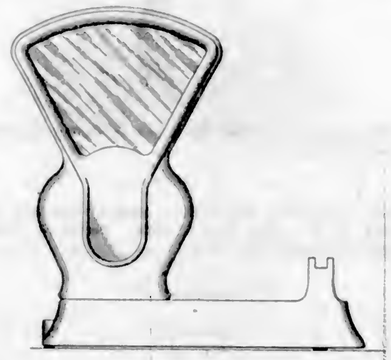


The ornamental design for a backplate for lighting fixtures as shown and described.

69,976. COMBINED PERFUME BOTTLE AND HOLDER. BLANCHE STEVENS-ARVOY, NÉE RENEAUX, Paris, France, and JOSEPH A. FIELDS, New York, N. Y. Filed Dec. 12, 1924. Serial No. 11,683. Term of patent 14 years.

The ornamental design for a combined perfume bottle and holder as shown.

69,977. WEIGHING-SCALE CASING. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 31, 1923. Serial No. 8,196. Term of patent 14 years.

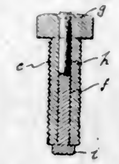


The ornamental design for a weighing scale casing as shown.

PATENTS

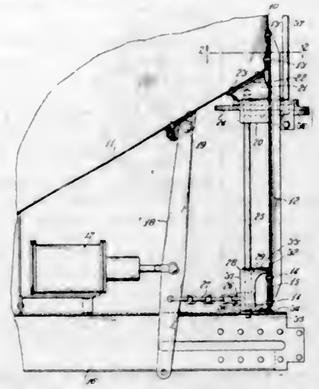
GRANTED APRIL 20, 1926.

1,581,096. SOFT-NOSE SCREW. HOWARD S. BARNES, Redford, Mich. Filed Aug. 21, 1924. Serial No. 733,253. 3 Claims. (Cl. 85—1.)



1. In a soft nose screw, the combination of a screw provided with a hole passing longitudinally therethrough, a soft metal plug provided with an enlarged head, the shank of said plug slidably secured in the hole in said screw and the head projected beyond the work-engaging end of the screw.

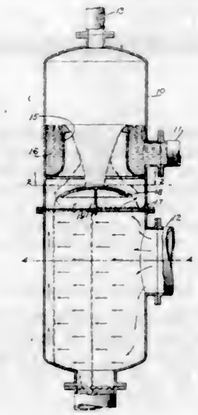
1,581,097. BRAKE-GEAR MOUNTING. LLOYD J. BROWN, Evanston, Ill., assignor to E. Payson Smith, Springfield, Ill. Filed Dec. 23, 1925. Serial No. 77,394. 16 Claims. (Cl. 74—111.)



1. Brake operating mechanism for a railway hopper car, comprising a gear housing the top whereof is provided with gusset-like flanges disposed upwardly in an inclining manner with the tops of said flanges extending transversely and conforming with the inclination of the slope-sheet and secured thereto, a bracket arranged on the rear side of the car end sill and secured thereto, and a staff section journaled at its upper end in the gear housing with the driven portion of the gearing secured thereto, while the lower end of said staff section is journaled in said bracket.

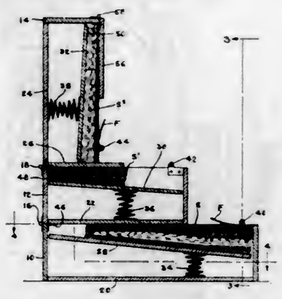
1,581,098. CONDENSER. HENRY E. BYER, Sausalito, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed July 28, 1924. Serial No. 728,617. 11 Claims. (Cl. 261—114.)

1. In a condenser of the counter-current type, means for forming a divided sheet of water across the casing of the condenser, in front of the steam or vapor inlet, and means for forming a second sheet of water back of



the first sheet and spanning the space between said divided sheets.

1,581,099. SACK-DISPENSING DEVICE. ANDREW E. CARLSON and ALBERT T. MAGNUSON, Minneapolis, Minn. Filed Feb. 9, 1924. Serial No. 691,629. 1 Claim. (Cl. 211—29.)



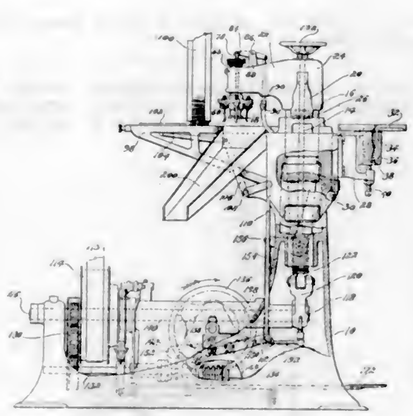
A sack dispensing device comprising at least two horizontally extending receptacles hingedly connected together at their adjacent rear edges one above the other, the upper one of said receptacles being shorter than the one underneath and having a bottom which constitutes a cover for the rear portion of the underneath receptacle whereby a withdrawal opening for sacks is provided by the uncovered portion of said underneath receptacle, a vertically extending receptacle hingedly connected at its lower rear edge to the upper rear edge of said upper horizontal receptacle and having a lower end which constitutes a cover for the rear portion of said horizontal receptacle whereby a withdrawal opening for sacks is provided by the uncovered portion of said upper receptacle, and a cover hinged to the front upper margin of said vertical receptacle and shorter than the latter

whereby a withdrawal opening for sacks is provided, the hinged connections of said receptacles permitting the latter to be placed in such condition that they may be readily reloaded with sacks.

1,581,100. EYEGLASS CONSTRUCTION. STEPHEN J. CLULEE, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed July 20, 1923. Serial No. 652,708. 9 Claims. (Cl. 88—52.)

1. In construction for eyeglass temple bars, in combination, a substantially rigid main body portion adapted to be connected at its forward end to an eyeglass frame, a portion extending rearwardly therefrom over the ear and adjustable in shape, adapted to be bent for adjustment and to retain the shape to which it is bent, and a resilient rear end portion adapted when flexed to spring back to its original shape.

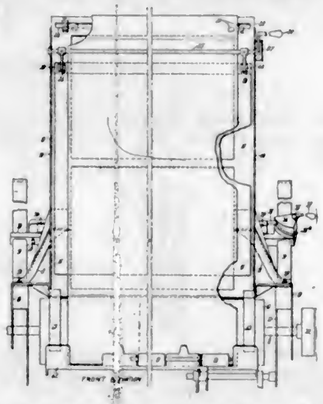
1,581,101. HEEL-MAKING MACHINE. HARRY N. COPP, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 15, 1920. Serial No. 424,219. 17 Claims. (Cl. 12—50.)



1. In a machine of the class described, the combination of a lift cutting die, a support upon which a plurality of pieces of stock may be arranged with their edges abutting, and means for removing said pieces from the support and transferring them to the die.

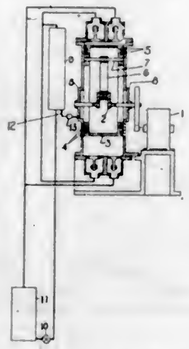
1,581,102. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 31, 1924. Serial No. 717,009, 17 Claims. (Cl. 197—126.)

1. In a continuous billing typewriting machine for use with a set of carbons, the combination with a cylindrical platen, of a front paper-table over which a work-web may be guided from a source of supply downward to the platen at the front thereof, the paper-table being longer than the carbons, means at the upper end of the paper-table for clamping the carbons stationary while the work-



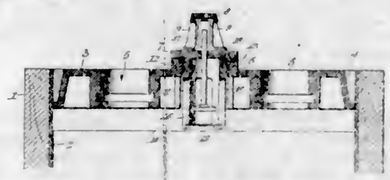
web is fed backward by the platen to effect a relative shifting of the work-web and carbons, and means at the rear of the platen to sever the work-web.

1,581,103. REFRIGERATING APPARATUS. RANSOM W. DAVENPORT, Detroit, Mich. Filed Apr. 11, 1924, Serial No. 705,809. Renewed Sept. 16, 1925. 8 Claims. (Cl. 62—115.)



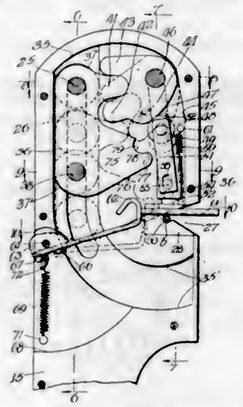
1. In a refrigerating system having a compressor, a condenser, and an evaporator, means for conducting fluids from said condenser into the crank case of said compressor to lubricate the parts thereof.

1,581,104. FILLING PLUG FOR STORAGE-BATTERY COVERS. JASPER N. DAVIS, Denver, Colo. Filed Apr. 20, 1925. Serial No. 24,427. 4 Claims. (Cl. 136—182.)



1. In battery construction, the combination with the jar cover having a detachable hollow projection provided with sight openings; of a float having a stem visible through said sight openings, a depending vertical guideway on said hollow projection for said float and a stop at the bottom of said guideway, the position of the upper end of said stem with respect to the lower ends of said sight openings indicating the level of the battery solution above the tops of the plates.

1,581,105. WIRE LOOPING AND CLINCHING MACHINE. MICHAEL D'INCOGNITO, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 691,904. 3 Claims. (Cl. 140—104.)

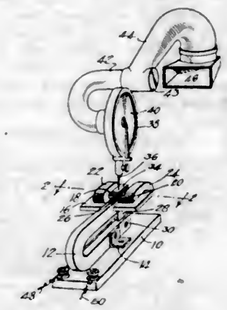


1. In combination, a frame comprising a pair of plates secured together, there being a slot in the edge of the joined plates, said slot receiving a mandrel wire passing transversely of said plates, said slot having a coextensive opening for receiving a wrap wire inserted between said plates and across said mandrel wire, a clamping slide movable between said plates, guide-ways in the opposing walls of said plates for mounting said slide, said clamping slide being adapted to engage said wrap wire, a forming member movable between said plates and adapted to engage the end of said wrap wire projecting into said coextensive opening, guide-ways in the opposing walls of said plates for guiding said forming member, said latter guide-ways causing said forming member to move through a curved path around said mandrel wire, a cam for actuating said clamping slide, means for oscillating said cam during the initial movement of said forming member, and means for actuating said forming member.

1,581,106. SWITCH-POINT PROTECTOR. WILLIAM HENRY DOTTER, Carlisle, Pa., assignor to Frog Switch and Manufacturing Company, Carlisle, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1926. Serial No. 79,508. 10 Claims. (Cl. 246—437.)

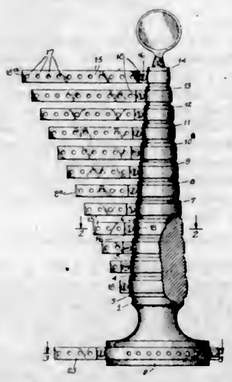
2. The combination with a main rail and a standard switch point rail terminating in the usual pointed end, of a protector secured to and movable with such switch point rail and extending ahead of the point thereof for protecting the same and filling the opening between the point and the main rail, the rear part of said protector extending rearwardly of the standard switch point and located between the base flange and the head thereof at the inner side of the switch point, and the forwardly extending part of said protector having a part located between the base flange and the head of the main rail and a part overlapping the side face of the main rail.

1,581,107. LOUD SPEAKER. ROBERT W. ERICKSON, Jersey City, N. J. Filed Dec. 2, 1922. Serial No. 604,490. 3 Claims. (Cl. 179—100.1.)



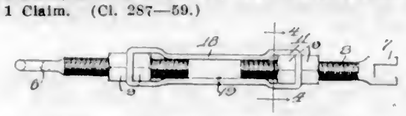
1. A device for converting electrical impulses into sound comprising an armature arranged to be vibrated electrically, a sound producing diaphragm and an operating member therefor, said armature having a comparatively broad flat surface adapted at all points to make frictional contact with said member and to transmit to it the vibrations of the armature the arrangement being such that the amplitude of vibrations transmitted remains the same regardless of the point of contact between said member and the broad surface of the armature.

1,581,108. DISPLAY STAND FOR HOSE CLAMPS. ADOLPH E. FEIGE, Hackensack, N. J., assignor to Universal Industrial Corporation, Hackensack, N. J., a Corporation of Delaware. Filed Oct. 19, 1922. Serial No. 595,524. 1 Claim. (Cl. 211—24.)



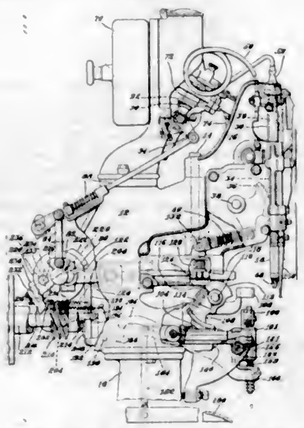
In a display device, a stand comprising a vertical column having the greater part of its length provided with consecutive cylindrical portions of different diameters, the diameters of said portions being graduated regularly, with respect to each other, said portions being adapted to have clamped thereabout metallic ribbon clamps having equally spaced apertures therein, the perimeter of each portion differing from that of the next by the distance between a pair of apertures in one of such clamps.

1,581,109. TURNBUCKLE. ARTHUR FRANKE, Cary Station, Ill. Filed Oct. 31, 1923. Serial No. 671,834. 1 Claim. (Cl. 287—59.)



A turnbuckle comprising a metal strip bent into U-shape with an enlarged section at the bend and apertured centrally of the U bend, a threaded rod extending through said aperture, and nuts on said rod inside and outside said metal strip, the nut inside being engaged by the enlarged section at the bend and the threaded rod being contacted and guided by the projecting ends of the metal strip.

1,581,110. FASTENING-INSERTING MACHINE. GEORGE GODDU, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 11, 1922. Serial No. 606,230. 18 Claims. (Cl. 1—18.1.)



3. A machine for operating upon shoes having, in combination, instrumentalities for operating upon the inside of a shoe, a back gage arranged to position a shoe relatively to said instrumentalities, a shoe support, and means for holding the shoe support out of supporting relation to the shoe to be operated upon while the shoe is positioned relatively to said back gage and said operating instrumentalities, and for moving the shoe support into supporting position beneath the sole of the shoe after the positioning of the shoe and prior to the performance of the operation.

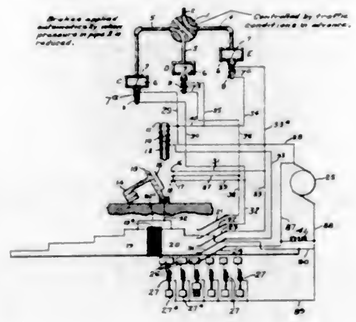
1,581,111. ANTHRACENE DYE AND A PROCESS OF MAKING. ROBERT J. GOODRICH, South Milwaukee, Wis., assignor to The Newport Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 4, 1925. Serial No. 20,596. 4 Claims. (Cl. 260—61.)

1. The process of making a coloring matter, which consists in treating the condensation product of 2.2' dimethyl 1.1' dianthraquinonyl in fuming sulphuric acid with bromine in the presence of a catalyst.

1,581,112. PROCESS FOR TREATING BRAN AND FLOUR MIDDLINGS FOR USE IN WHOLE-GRAIN BREAD. WILLIAM P. M. GREELCK, St. Paul, Minn. Filed Jan. 27, 1922. Serial No. 532,335. 3 Claims. (Cl. 99—10.)

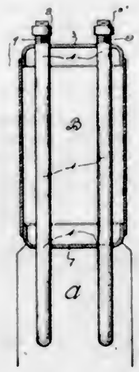
1. The process of making whole grain bread which consists in first steeping the coarser ingredients of the grain, such as bran and flour middlings in the presence of lactic acid, without cooking the same, then grinding the mixture to the condition of a cream-like paste, and then incorporating into the uncooked paste the finer ingredients of the flour and other usual constituents of dough preparatory to baking the same.

1,581,113. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 5, 1923. Serial No. 661,036. 27 Claims. (Cl. 303—18.)



1. In combination on a railway vehicle, a brake controlling pipe containing a fluid under pressure, means controlled by traffic conditions in advance for connecting said pipe with any one of a plurality of valves, and means controlled by the speed of said vehicle for operating said valves.

1,581,114. APPARATUS COMPRISING PERKINS TUBES. JACOBUS HAAG, Amsterdam, Netherlands. Filed Jan. 26, 1923. Serial No. 615,109. 2 Claims. (Cl. 122—33.)



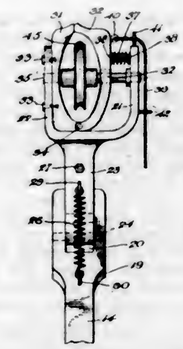
1. Apparatus for the indirect generation of steam by the use of hermetically sealed tubes which are partially filled with a liquid and which traverse a heating chamber, characterized by the ends of said tubes projecting beyond the walls of said chamber, one of said projecting ends of each tube being open, the walls of said tube being expanded into contact with the walls of said chamber to form therewith a steam tight joint, and a removable closure for hermetically sealing said projecting open end.

1,581,115. PREPARATION OF STERILIZING AGENTS, GERMICIDES, AND THE LIKE. CHARLES HENRY HASLER HAROLD, Aldershot, England, assignor to United Water Softeners Limited, London, England, a British Company. Filed Oct. 3, 1925. Serial No. 60,312. 6 Claims. (Cl. 23—190.)

1. A process for the preparation of a sterilizing agent consisting in adding chlorine to a dilute aqueous solution of ammonia.

6. A process for the preparation of a sterilizing agent consisting in diffusing chlorine through a tubular porous diaphragm into a solution of ammonia of strength up to .750 gramme of ammonia per litre of water, circulating the liquid on the side of the porous diaphragm at which contact with the ammonia takes place and preventing local rise of temperature due to the heat of the reaction.

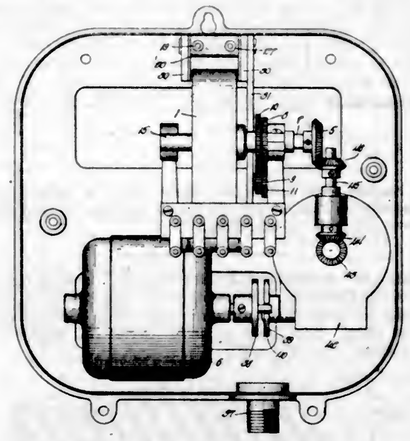
1,581,116. TROLLEY HEAD. LAWRENCE HARRIS, Latrobe, Pa. Filed July 22, 1925. Serial No. 45,183. 3 Claims. (Cl. 191—80.)



1. A trolley head having a sectional support, composed of an upper and lower member, means permitting the rotation of said support, a forked head on said upper member, tension springs normally retaining the upper member upright, a leaf member hinged to swing laterally between the forked elements of said head, a trolley wheel rotatable in the head between the forked member, and means to swing said leaf member away from said wheel.

1,581,117. PERIODIC ROTARY AND CAM SWITCH. HAROLD L. HAYNES, Lakewood, Ohio, assignor to Larimer Company, Aurora, Ill., a Corporation of Illinois. Filed April 27, 1925. Serial No. 26,179. 6 Claims. (Cl. 200—28.)

1. A circuit controlling device comprising a rotatable drum of conducting material, a pair of pivotally mounted contact shoes of conducting material insulated from each other and oscillatable into and out of engagement with respect to the inner surface of said drum, a rotatable cam coaxial with said drum for controlling the oscillation of said shoes, and means for driving said drum



at a speed different from the speed of said cam whereby the contact shoes will successively engage different portions of the inner surface of the drum.

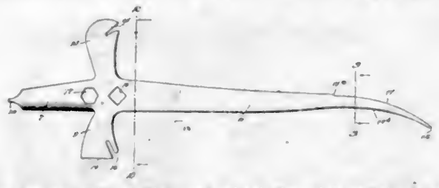
1,581,118. DISPLAY DEVICE. GERARDUS POST HERRICK, New York, N. Y. Filed Sept. 3, 1921. Serial No. 498,305. 6 Claims. (Cl. 40—126.)

1. A display device comprising a lever having an up and down movement, a receptacle carried by said lever and adapted to receive an object when the lever is in lower position, means for discharging the object from the receptacle when in upper position, means to receive the object when dropped, a free space being provided between the point of discharge and the receiving means, and means for delivering the object from said receiving means to said receptacle when the lever is in lower position.

1,581,119. COMBINATION TOOL. EUGEN L. HERRING, Pensacola, Fla. Filed May 31, 1923. Serial No. 642,402. 1 Claim. (Cl. 81—15.)

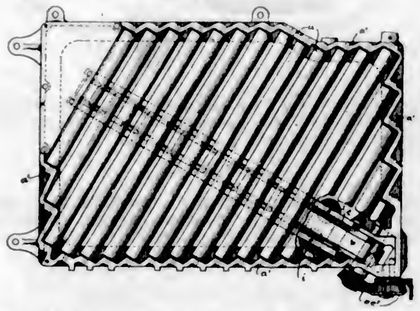
As an article of manufacture, a tire tool comprising a shank, opposing arms extending from said shank, angu-

larly disposed slots within said opposing arms, said slots being of dissimilar shapes and dissimilar inclinations relative to the handle and each slot being adapted



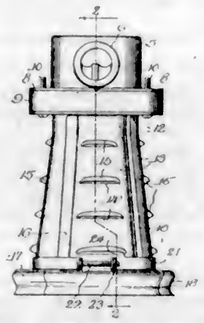
to contact with a distorted wheel rim of a certain type, whereby to restore the distorted portions of said rims upon actuation of said shank.

1,581,120. SHEET-DELIVERY TABLE. REUBEN HITCHCOCK, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 2, 1923. Serial No. 649,100. 2 Claims. (Cl. 271—52.)



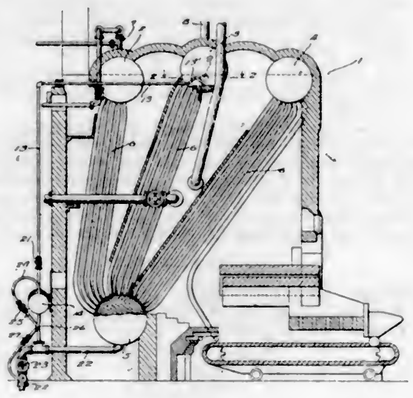
1. The combination with a plurality of parallel advancing rolls in a sheet delivery table, of driving mechanism therefor comprising an under-running belt, a driving pulley for the belt positioned at one end of the delivery table, adjusting means for said belt adapted to regulate its tension, and centering mechanism for the belt interposed between the adjusting means and the driving pulley, comprising an opposing pair of grooved pulley wheels spaced to aline with the edges of the belt and positioned adjacent to the driving pulley, substantially as set forth.

1,581,121. HOLDER FOR REFLECTORS. PAUL M. HOTCHKIN, Chicago, Ill. Filed Jan. 21, 1924. Serial No. 687,584. 6 Claims. (Cl. 240—12S.)



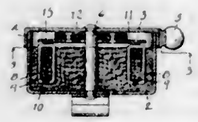
1. A holder of the class described comprising a support, a plurality of independent plates in contacting relation for all adjusted positions thereof and extending from the support and connected thereto, and means encircling the opposite ends of said plates for holding the same around a reflector.

1,581,122. WATER PURIFIER FOR STEAM BOILERS. WILLIAM J. HUGHES, Mason City, Iowa. Filed Dec. 23, 1924. Serial No. 757,658. 10 Claims. (Cl. 122—400.)



1. An apparatus for purifying the water for a boiler comprising an elongated trough adapted to be arranged within the steam drum of a boiler and to extend substantially the length thereof with its upper longitudinal edges disposed below the water level in the drum; a water draw-off conduit extending along the bottom of said trough; an outlet conduit leading from said draw-off conduit and formed with an upward bend to create a static water head, said draw-off conduit being formed along its length with means for admitting water from the trough into the internal channel of the draw-off conduit substantially evenly throughout the length thereof; a water purifying device connected to said outlet conduit and adapted to be located without the boiler structure and below the trough; and a discharge conduit leading from said purifying device and formed with an upward bend to create a static water head.

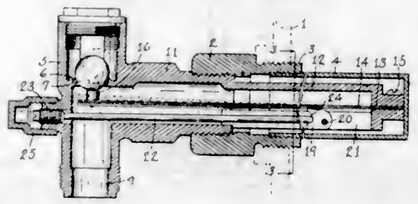
1,581,123. DIMMING RHEOSTAT. HOWARD W. HULSCHER, Battle Creek, Mich., assignor to Hulscher Motor Company, Battle Creek, Mich. Filed Apr. 23, 1925. Serial No. 25,297. 4 Claims. (Cl. 201—48.)



1. In a dimming rheostat, the combination of a casing comprising a cup-like body member provided with an attaching clip at the bottom thereof and a flanged cover member rotatable on said body member and provided with a finger piece, a rivet disposed through the bottom of said casing member and said casing cover member and constituting means for securing said attaching clip to said casing, said cover member being rotatable on said rivet, a pair of segmental resistance coils disposed in opposed relation within said casing, a coil supporting and

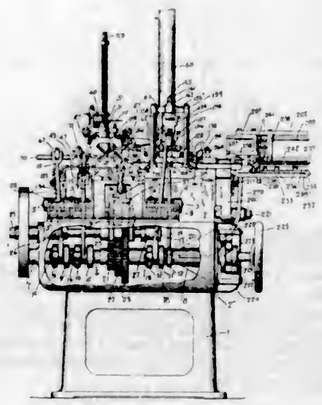
insulating body molded within said casing to embed said coils with their upper edges exposed, said coils having circuit contacts at opposed ends thereof, and a spring brush mounted upon said cover member to coact with said coils and circuit contacts, said brush being insulated from said cover.

1,581,124. THERMOSTAT. HERBERT S. HUMPHREY, Kalamazoo, Mich. Filed Aug. 22, 1924. Serial No. 733,553. 15 Claims. (Cl. 236—33.)



1. In a thermostat, the combination of a coupling member externally threaded to engage a support and internally threaded at each end, a housing tube threaded into the inner end of said coupling member, a valve casing and valve, an arm on said valve casing comprising a tubular outer portion threaded into the outer end of said coupling member and an inner portion projecting into said housing tube and slit to receive a thermostatic element, and a thermostatic element clamped in said slit and operatively associated with said valve.

1,581,125. PRINTER'S MATERIAL-MAKING MACHINE. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Nov. 30, 1923. Serial No. 677,712. 58 Claims. (Cl. 199—1.)

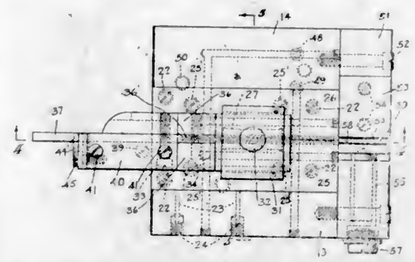


3. A typographic casting machine comprising a water cooled mold having cavity forming walls, one of said walls being provided with an inlet port, the walls of said port forming a nozzle seat, a mold blade, a closure slide movable transversely of the port to open or close the latter, means for introducing molten metal into the cavity, said means including a pot, a nozzle, and means to move the latter alternately from seating position, in which position the nozzle is cooled by the mold, to removed position in which the nozzle is heated by the molten metal of the pot, and means for operating said mold blade, said closure slide, and said nozzle moving mechanism, the timing relation being such that the slide is closed to retain molten metal in the mold cavity while the nozzle is seated, whereby the nozzle cooling or seating time may be shortened for each cast and the nozzle heating time increased thus preventing freezing of the nozzle.

42. A typographic casting machine comprising a water-cooled mold having cavity forming walls, one of said walls being provided with an inlet port, the walls of said port forming a nozzle seat, a mold blade, means for introducing molten metal into the mold cavity, said means including a pot, a nozzle, and means for moving the latter alternately from seating position, in which position the nozzle is cooled by the mold, to removed position, in which the nozzle is heated by the molten metal of the pot, means for operating said mold blade and said nozzle moving mechanism, and a nozzle shield secured to said mold and insulated therefrom, said shield surrounding said nozzle in all positions thereof, whereby freezing of the nozzle and undue heating of the mold are prevented.

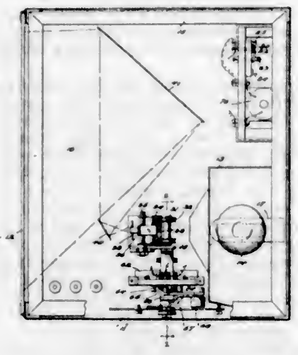
50. A typographic machine adjustable to produce either non-fused or fused elements, a stacker for the non-fused elements and a cutter for the fused elements, a vibrating lever operated by the machine, a connection between the lever and the stacker, said connection being adapted to be manually established when the machine is adjusted to produce non-fused elements to cause the stacker to operate from said lever and being adapted to be manually broken when the machine is adjusted to produce fused elements to permit said product to be ejected beyond said stacker into said cutter, a normally broken connection between said lever and said cutter and a trip device adapted to be operated by said fused product to establish said normally broken connection and cause said cutter to be operated from said lever.

1,581,126. TYPOGRAPHIC CASTING MACHINE. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Dec. 4, 1923. Serial No. 678,544. 12 Claims. (Cl. 199—1.)



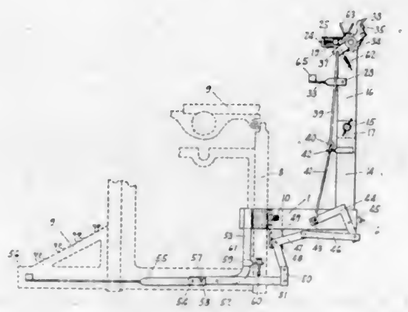
4. A nozzle for a typographic casting machine comprising a screwthreaded end for attachment to a pump mechanism, its opposite end being in the form of a truncated cone to seat against the nozzle seat of a typographic mold, said nozzle being provided with an axial conduit extending from said screwthreaded end into proximity to the opposite or mold end of the nozzle, and branch conduits leading angularly from the axial conduit through the mold end of the nozzle, said branch conduits being in the same axial plane, said nozzle being also provided with a vent leading from the mold end of the nozzle to the exterior thereof between the truncated cone seat portion and the screwthreaded end of the nozzle, said vent being of such minute size as to prevent exit of metal except when under pressure exerted by the pump mechanism.

1,581,127. AUTOMATIC EXHIBITOR. EDGAR C. JONES, Washington, D. C. Filed Mar. 30, 1921. Serial No. 456,814. 6 Claims. (Cl. 88—28.)



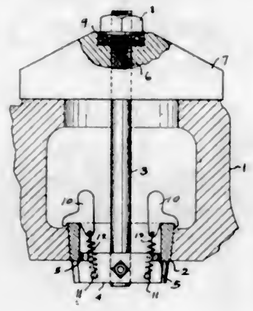
1. In a character projecting device, the combination of a source of light, means for feeding a strip across the path of rays of light from said source, means for operating said strip-feeding means in opposite directions comprising a pair of electromagnets, automatic means for periodically energizing one or the other of said electromagnets, and means controlled by motion of said strip-feeding means for shifting the connection of said automatic means from the one to the other of said electromagnets to reverse the direction of motion of said strip.

1,581,128. COLLAPSIBLE COPYHOLDER FOR TYPEWRITERS. JOHN L. JONES, Dayton, Ohio. Filed July 16, 1923. Serial No. 651,738. 2 Claims. (Cl. 120—32.)



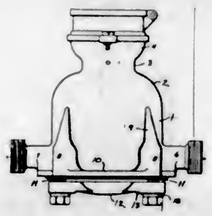
1. A copyholder for typewriters, comprising a pair of clamping members for attachment to a typewriter and to each other, upright supporting members secured to the clamping members, arms pivotally secured to the upright supporting members, feed rollers supported by the upper ends of said arms, a ratchet for turning said rollers, a lever, a pawl carried by one end of said lever to actuate said ratchet, a rod depending from the other end of said lever to a point near the point of connection between the adjacent arm and its supporting member, and means depressible near the typewriter keys, connected to the lower end of said rod for the purpose specified.

1,581,129. VALVE-SEAT PULLER. HENRY E. JORDY, Huntsville, Tex. Filed Sept. 8, 1925. Serial No. 55,046. 2 Claims. (Cl. 29—88.2.)



1. A valve seat puller including a pull rod, a pair of seat engaging bars pivoted to one end thereof, a yoke mounted on the rod, a nut threaded on the rod and adapted to abut said yoke, means adapted to engage over the seat to hold the puller in proper relation to the seat.

1,581,130. WATER-METER CASING. EMIL M. KRUEGER, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Filed Feb. 4, 1924. Serial No. 690,481. 8 Claims. (Cl. 73—98.)

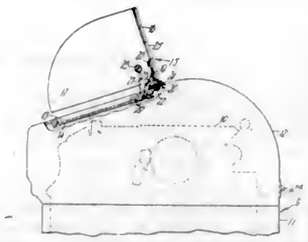


1. A meter casing having a water receiving cavity provided with a spherically rounded top wall, and a substantially cylindrical side wall provided with an outwardly extending peripheral base flange and flanked by exterior lugs extending upwardly along the side wall from the base flange, and having threaded bolt receiving sockets closed at their upper ends and adapted to receive clamping bolts from beneath.

1,581,131. TYPEWRITING MACHINE. CHARLES M. LAWRENCE, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 24, 1925. Serial No. 39,170. 12 Claims. (Cl. 197—186.)

1. The combination with a sound-deadening cabinet for a typewriting machine, said cabinet having a body-part and a cover hinged thereto provided with a glass window for observing typing on the platen of said machine, of a

grooved track mounted on said cover in the rear of said window, a light-intercepting shade slidably mounted on



said track and having a body-portion, wing-portions hinged to each end thereof, and spring-pressed means for holding said wing-portions in different operative positions.

1,581,132. PRINTING PRESS. ROBERT R. MCCORMICK, Chicago, Ill. Filed Sept. 2, 1924. Serial No. 735,269. 4 Claims. (Cl. 270—5.)

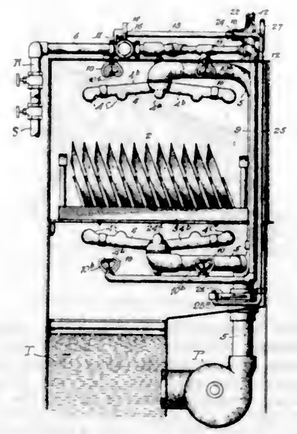
1. A flexible unit press comprising a row of printing units accessibly arranged in spaced apart relation on the same printing level, a web supply for each unit, a plurality of folding units disposed on said printing level, said folding units being spaced apart and disposed relatively to said printing units so that the line of printing units is selectively divisible into a succession of equal groups of four, or five, or six printing units, each selected group containing but a single folding unit and all of the printing units of a group of any selected series of groups feeding their webs to the folding unit of that group.

1,581,133. RADIOAERIAL. FRANKLIN H. MACKENZIE, Philadelphia, Pa. Filed Feb. 15, 1924. Serial No. 692,987. 4 Claims. (Cl. 250—33.)

1. A portable antenna comprising a coil of spring wire which, when not in use as an aerial, is adapted to be contracted under its own tension to a convenient size for transportation, but when in use as an antenna is adapted to be expanded and suspended under tension from a suitable hanger or support.

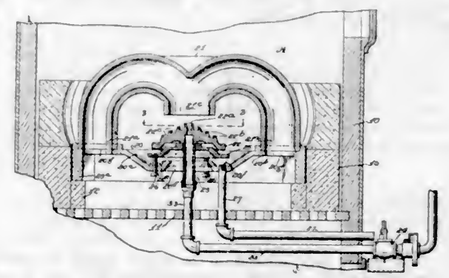
1,581,134. WASHING MACHINE. HERBERT E. MERSELES, Bronxville, N. Y. Filed June 15, 1921. Serial No. 477,711. 12 Claims. (Cl. 141—9.)

1. In a dish washing machine having a washing and rinsing chamber, the combination of means to support dishes in the chamber, a distributor for directing a washing fluid on dishes on said support, a separate distributor for directing rinsing fluid on the dishes in the same position, separate means for controlling the supply of washing and rinsing fluids to said distributors respectively, and a common operating means for said separate con-



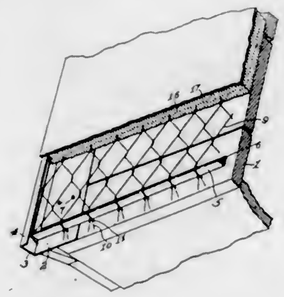
trolling means arranged to operate them seriatim and to prevent the supplying of fluid to both distributors at the same time.

1,581,135. OIL BURNER FOR HEATING FURNACES AND THE LIKE. HERMAN MILLER, Oak Park, Ill., assignor of one-third to Charles G. Novak and one-third to Orin H. Glover. Filed Nov. 2, 1925. Serial No. 66,144. 7 Claims. (Cl. 158—91.)



1. A fuel mixer and burner for a heating furnace and the like comprising a support adapted to be mounted in the fire box of the furnace to be served and to be therein supplemented by means for completing the closure of the draft passages of the furnace except as to the openings through said support, said support having an air inlet aperture; a fuel supply pipe extending up through said aperture; a fuel distributer at the upper end of said fuel supply pipe apertured in alignment with the latter for discharge of fuel therethrough and thereabove; an air pipe connected for exterior air supply extending in exposure to the heat of the furnace and terminating for discharge downwardly upon said distributer for dispersing the fuel over the latter and vaporizing the same; a choke damper mounted for up and down movement on the fuel supply pipe above the air inlet aperture of the support, and means for adjusting said damper to vary the air access through said aperture.

1,581,136. ROOF CONSTRUCTION. CHRIST MOELLER, Denver, Iowa. Filed Aug. 8, 1925. Serial No. 48,997. 1 Claim. (Cl. 108—6.)



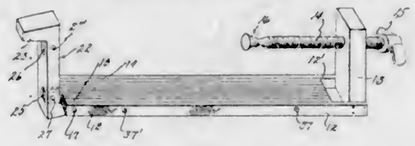
In a roof construction, roof supports, marginal inwardly directed relatively high channel members secured thereon at two opposite sides thereof, one flange of each being wider than the other and secured upon said supports, cross-bars secured across the other opposite parts of the supports, lower than, and extending into the channels of said channel-bars, a wire netting having two opposite ends crossing said cross-bars, placed under tension and having their terminals secured to said supports at the outer bases of the cross-bars, said netting being positioned medially of and extending into the channels of said channel-bars, a cementitious layer filling the interspace of said channel- and cross-bars to embed said netting, said cross-bars, the fastenings of the netting therein, and a water-proofing layer covering the upper surface of said cementitious layer.

1,581,137. PAPER CLIP. JOHN H. OAKES, Buffalo, N. Y. Filed Jan. 22, 1924. Serial No. 687,834. 4 Claims. (Cl. 24—261.)

1. A paper clip formed of a single length of wire bent upon itself to form a lower looped end, the sides of said looped end extending substantially parallel to each other substantially to the center of the paper clip and being flared outwardly diagonally from said center portion and bent downwardly to form upper looped ends, said downwardly extending portions being bent to form spaced lower looped ends on opposite sides of the first-mentioned looped end, the free ends of said wire being bent diagonally toward the center and extending upwardly substantially parallel from said center portion, forming an upper clasping member cooperating with the upper looped ends.

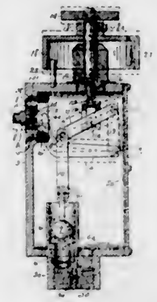
1,581,138. ADJUSTABLE CLAMP. THOMAS C. O'LOUGHLIN, Detroit, Mich. Filed Mar. 28, 1924. Serial No. 702,615. 3 Claims. (Cl. 144—299.)

1. A clamp of the class described, comprising an end block; a pair of side rails secured to opposite faces of said end block adjacent one end and projecting outwardly therefrom in parallel relation to each other; a plurality of extension rails positioned between said side rails in juxtaposition to each other, the outermost pair being pivotally connected at one end to the free end of said side rails and the rest of said extension rails being alternately pivotally connected at one end to the



adjacent end of an adjacent extension rail, the innermost pair of said extension rails being elongated and projecting beyond the ends of the remainder of said rails; and an abutment block mounted on said projecting ends of said rails.

1,581,139. THERMOSTATIC GOVERNOR FOR GAS OVENS. HOWARD WEBSTER PARTLOW, Utica, N. Y. Filed Sept. 20, 1922. Serial No. 589,375. 5 Claims. (Cl. 236—15.)



1. In combination with a burner and a valve for controlling the supply of fuel thereto, a thermostat arranged to be acted on by the heat from the burner and including a movable element, a rockable lever having a fixed fulcrum and one end disposed to be engaged and actuated by said movable element, a second lever, an adjustable fulcrum mounting the second lever between its ends for positive adjustment, a link connecting the other end of the first lever to one end of the second lever, and a second link connecting the opposite end of the second lever to the valve for controlling the same.

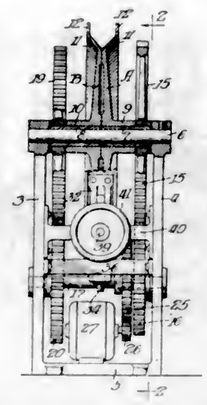
1,581,140. PROCESS OF MAINTAINING HAIR IN POSITION. PAUL S. QUAST, Los Angeles, Calif. Filed Oct. 23, 1924. Serial No. 745,523. 6 Claims. (Cl. 2—243.)

1. The process of treating hair which consists in mounting the hair, and enlarging the hair-ends protruding from the mounting for holding the hair against lengthwise shifting when embedded in a holding medium.

1,581,141. MACHINE FOR MOLDING DOUGH AND LIKE PLASTIC MATERIAL. GEORGE ROYAN, Chicago, Ill., assignor to American Oven & Machine Company, Chicago, Ill., a Corporation. Filed Dec. 10, 1923. Serial No. 679,540. 10 Claims. (Cl. 107—9.)

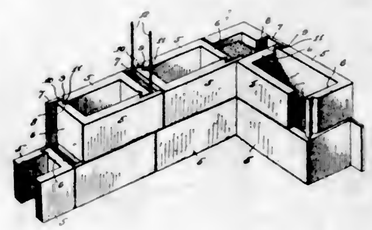
4. A machine of the character described comprising a pair of revoluble members having peripheral portions spaced apart to receive masses of material to be shaped

and wide annular portions immediately inwardly thereof in bearing contact normal to the axis thereof, a curved support for said masses of material arranged between



the peripheral portions of said revoluble members, said curved support being pivoted at one end and being provided with means whereby the support may be adjusted, and means for imparting revolution to said members.

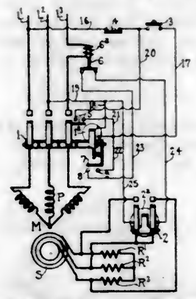
1,581,142. WALL CONSTRUCTION. FRANK MCMURRAY SAWYER, Miami, Fla. Filed Oct. 27, 1924, Serial No. 746,076. Renewed Sept. 19, 1925. 8 Claims. (Cl. 72—29.)



1. A hollow wall construction, comprising a series of tiles each having two legs, the tiles being arranged in pairs and in reverse position to each other to form the inner and outer faces of the wall, each of said tiles being formed with a locking means at the end of each leg which are adapted to interlock with similar locking means on the legs of the other tile of the pair.

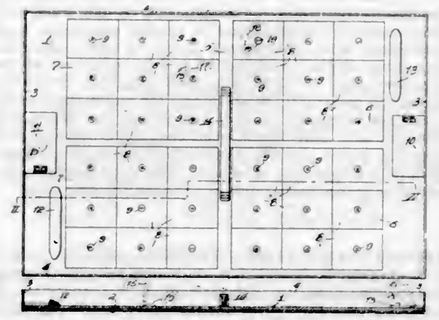
1,581,143. MOTOR CONTROLLER. EDWIN W. SEEGER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 16, 1925. Serial No. 15,735. 3 Claims. (Cl. 172—289.)

1. In a motor controller, in combination, a main switch for establishing power connections for the motor, an accelerating switch for the motor and control means for said accelerating switch including an electro-responsive relay responsive to current conditions in the motor circuit, a normally open contact element associated with said main switch for establishing an energizing circuit for said accelerating switch through the medium of said relay, said contact element tending to close upon closure



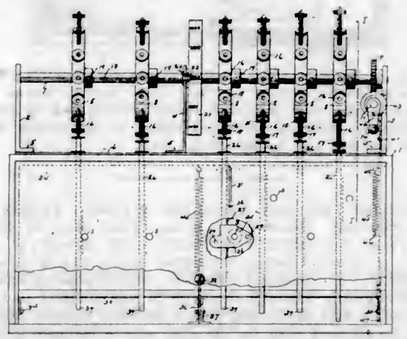
of said main switch, and being of relatively large inertia to delay closure thereof.

1,581,144. INDOOR GAME. FERDINAND J. TILLMAN, St. Louis, Mo. Filed Apr. 22, 1922. Serial No. 556,058. 5 Claims. (Cl. 273—126.)



1. A game comprised of a flat playing surface, a raised portion transversely dividing said surface into opposing fields, each of said fields being divided into sections each bearing an indication, a member to be propelled to respective sections and to cover each respective indication, a second member to be propelled over said raised portion, and a striking instrument for causing said second member to be propelled over said raised portion, said second member being so formed as to be underengaged by said instrument.

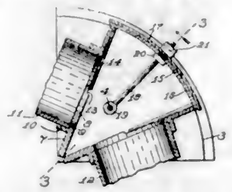
1,581,145. AUTOMATIC RADIO STATION FINDER. ANTHONY J. VASSELLI, Newark, N. J. Filed June 10, 1924. Serial No. 719,123. 13 Claims. (Cl. 74—7.)



6. In a radio station finder, the combination with a tuning instrument of a radio receiving set, and means for adjusting said instrument, of a plurality of ad-

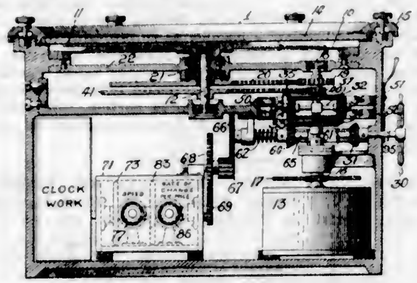
justing devices associated with said means, each of said devices being capable of separate and independent adjustment, and means of shifting said devices respectively into engagement with said adjusting means whereby said instrument may be reset at will to conform to predetermined adjustments respectively of said adjusting devices.

1,581,146. ADJUSTABLE FURNACE-PIPE ELBOW. WILLIAM J. VOELKER, Waterloo, Iowa. Filed Apr. 22, 1925. Serial No. 25,047. 2 Claims. (Cl. 285—204.)



2. A device of the character described, comprising top and bottom plates, a pair of swinging plates separably clamped therebetween for adjustments to and from each other from a parallel contact to angular separation from each other with abutting end angles of both contacting as a hinge joint, a wall section for the interspace of the opposite edges of said pair and contacting therewith, means for detachably clamping said top and bottom plates upon said swinging plates, and means for detachably clamping said wall section upon contacting edges of said swinging plates and top and bottom plates, when these have been arranged in a relative adjusted assemblage, the swinging plates having apertured seats for pipe ends.

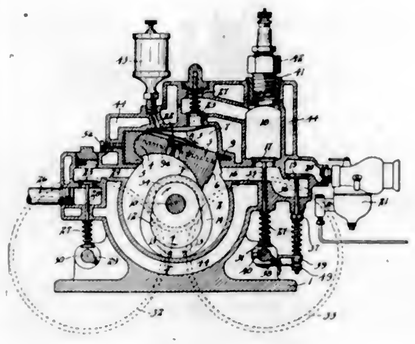
1,581,147. AUTOMATIC STEERING DEVICE. OMAR B. WHITAKER, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 28, 1923. Serial No. 683,141. 18 Claims. (Cl. 244—29.)



1. In an automatic steering device for dirigible craft, means for repeatedly setting a new course, means for moving the craft into said course, and means for automatically operating said first means in accordance with the latitude and course of the craft.

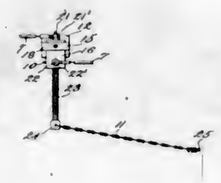
1,581,148. ROTARY GASOLINE MOTOR. WILLIAM A. WILLIAMS, Minneapolis, Minn. Filed Mar. 8, 1923. Serial No. 623,635. 8 Claims. (Cl. 60—44.)

1. A rotary-internal combustion engine having in combination, a cylindrical chamber, a shaft passing axially therethrough, a piston rotatable in said chamber and secured to said shaft, said piston having a surface moving in engagement with the chamber wall, a movable section in said wall in yielding engagement with said piston and dividing the space between said piston and wall into two portions, a compression chamber at one side of said cylinder into which a charge is compressed by said piston, said movable section having a valve-equipped opening therethrough through which said compressed charge



passes to said compression chamber, a passage connecting said compression chamber and cylinder in advance of said movable section in the direction of rotation of said piston and means for admitting fuel into one of said portions to be compressed by said piston.

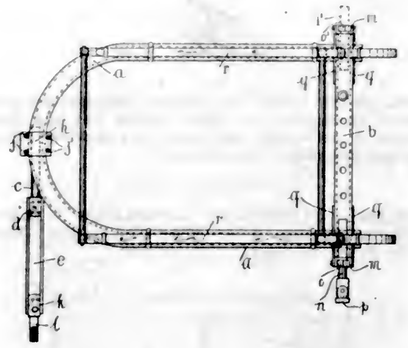
1,581,149. CONTROL SWITCH FOR VEHICLE SIGNALS. JOHN S. WILLIAMSON and HERBERT L. BEACH, Baltimore, Md., assignors, by direct and mesne assignments, to Sidney L. Davis, receiver for Morgan Manufacturing Company, Inc., Keene, N. H. Filed May 1, 1924. Serial No. 710,269. 9 Claims. (Cl. 200—59.)



1. A stop light switch for road vehicles comprising an apertured support, a sleeve of insulating material mounted in the aperture, a tubular contact member of conducting material mounted in the sleeve, a flexible contact member rigidly mounted in one end of the sleeve and insulated therefrom and extending through the sleeve from which it is spaced and having a free end extending beyond the sleeve, means for connecting the free end of the sleeve to the brake mechanism of a vehicle and electrical connecting means for the respective contact members.

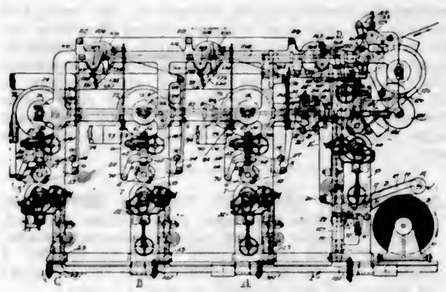
1,581,150. UNDERFRAME FOR SIDE CARS AND LIKE ATTACHMENTS FOR VELOCIPEDES, CYCLES, AND LIKE ROAD VEHICLES. GERALD SHUCKBURGH WRIGHT and THOMAS FRANCIS WILLIAM WRIGHT, London, England. Filed Sept. 2, 1924. Serial No. 735,451. 14 Claims. (Cl. 208—45.)

1. A side-car or like underframe comprising in combination, a frame, a reversible front connector detachably secured to the frame, a rear connector and wheel axle detachably mounted on said upturned ends, and securing



means on said upturned ends arranged so that the rear connector and wheel axle can be reversed and interchanged, substantially as described.

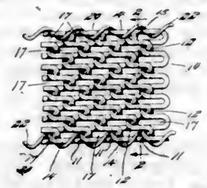
1,581,151. METHOD OF AND PROCESS FOR MULTICOLOR PRINTING IN INTAGLIO. JOHN C. YETTER, Chicago, Ill., assignor to The Tribune Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 11, 1920. Serial No. 423,215. 22 Claims. (Cl. 101—152.)



1. A method of multi-color printing in intaglio consisting of continuously moving a continuous web of paper successively between several co-acting sets of etched cylinders and their respective impression cylinders adjustably controlling the speed of the supply of said web, each of said sets being limited to print only a part of the finished design, and manipulating said web while it is passing from one set to the set next following the same to cause the impression made by the last mentioned set to coincide in relative position to the points and features of the first mentioned set.

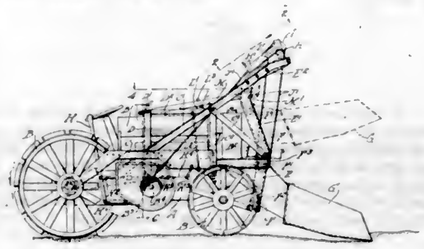
1,581,152. ORNAMENTAL CHAIN. JOHN ANTHONY, Attleboro, Mass. Filed Mar. 28, 1925. Serial No. 19,182. 2 Claims. (Cl. 59—79.)

1. In a chain of the character described, a body comprising transversely disposed parallel wires provided with interengaging loops forming longitudinal series of openings and having their free ends disposed to constitute



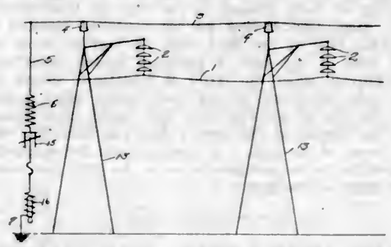
marginal cores extending lengthwise of the body, and helical wires surrounding the cores comprising helices extending through the openings.

1,581,153. SHOVEL FRAME. WILLIAM C. ANTHONY and WILLIAM B. MACKINTOSH, Streator, Ill., assignors to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed June 27, 1925. Serial No. 39,879. 15 Claims. (Cl. 37—126.)



1. In combination with a tractor, a shovel assembly mounted thereon, said assembly including tracks and a shovel adapted to be moved thereon, the tracks formed into three zones, the lowest being inclined forwardly and the intermediate section being inclined rearwardly, and the upper section being inclined forwardly, whereby the shovel when it is wholly on the lower section is inclined downwardly and forwardly, when it is wholly on the intermediate section is inclined downwardly and rearwardly, and when it stands on the upper section is inclined forwardly and downwardly.

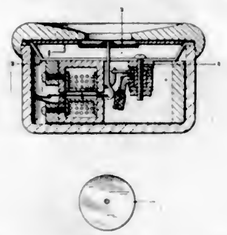
1,581,154. TRANSMISSION LINE. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1920. Serial No. 428,439. 11 Claims. (Cl. 175—30.)



1. The combination with an electrical transmission line, of a conductor arranged in proximity thereto and substantially paralleling a series portion of said line and insulated therefrom so as to form with said transmission line the elements of a condenser, said conductor having connection through substantial resistance to ground in

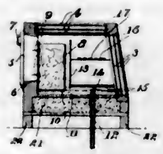
addition to the resistance of said conductor so that a comparatively large amount of energy will be absorbed in said resistance when currents are induced in said conductor by abnormal high frequencies or voltages in said transmission circuit and a condenser interposed between said conductor and ground in series with said resistance so as to provide a break in said circuit but to permit passage of high frequency currents.

1,581,155. SOUND-PRODUCING DEVICE OF THE TELEPHONE-RECEIVER TYPE. NATHANIEL BALDWIN, Mill Creek, Utah. Filed June 14, 1922. Serial No. 568,163. 3 Claims. (Cl. 179—115.)



1. A telephone receiver having an enclosing casing containing an electromagnet, a seating collar mounted in said casing in position relative to the said magnet and provided with a circular depressed ledge formed in a central offset portion of said collar and concentrically surrounding a central aperture therein, and a diaphragm seated on said ledge and covering the aperture.

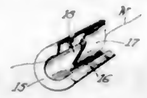
1,581,156. REFRIGERATOR SHOW CASE. LEN A. BANTA, Clearfield, Pa. Filed Nov. 17, 1923, Serial No. 675,407. Renewed Oct. 8, 1925. 1 Claim. (Cl. 62—37.)



A show case refrigerator having transparent panels each composed of a plurality of spaced plates of glass, means for gaining access to the interior of the case for introducing and removing articles to be refrigerated, a plurality of doors hinged to the case by their bottom edges, each door having an ice container secured to the inner face of the door with its bottom below the lower edge of the door, a partition spaced about each ice container when the latter is positioned within the case, said partitions having their upper edges spaced from the top of the case and their lower edges spaced from the bottom of the case, a drip pan extending over the bottom of the case, a perforated shelf for supporting the articles to be refrigerated over the drip pan and a drain pipe for the pan.

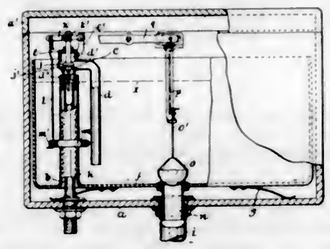
1,581,157. SHUTTLE BLOCK. WILLIAM A. BASHAW, Wilkinsonville, Mass. Filed Oct. 25, 1924. Serial No. 745,904. 4 Claims. (Cl. 139—223.)

1. In a loom, in combination, a shuttle having a shuttle block with a thread passage having a longitudinally extended thread admitting opening therein and a sleeve in said passage through which said thread extends freely axially from end to end thereof when in running position, said sleeve having a slot offset angularly from said thread opening and said sleeve having a reentrant



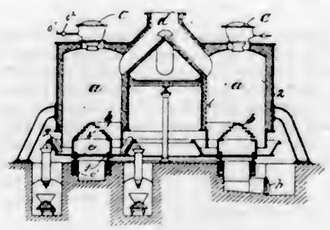
recess at the forward end thereof adjacent the longitudinal opening in said thread passage and said sleeve having a forwardly projecting loop-catching portion between said recess and said slot.

1,581,158. FLUSH-TANK APPARATUS. EDMUND BEACH, Paterson, N. J. Filed Dec. 9, 1925. Serial No. 74,287. 4 Claims. (Cl. 137—68.)



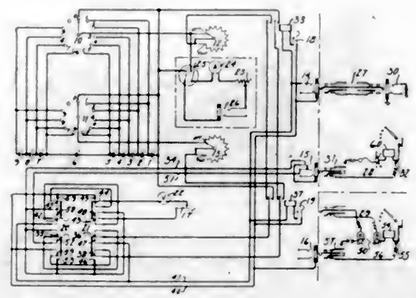
3. In combination, fixed structure including a water-supply pipe and a water-tight casing, a tank movable up and down in the casing and having a service outlet, means to control the flow of water from said outlet, downwardly yielding means arranged in the casing and carrying the tank and normally urging the same upwardly and adapted to yield downwardly on admission of water to the tank, said pipe being arranged to discharge into the tank, and means connected with the tank to cut off flow through said pipe when the tank moves downwardly, the casing having means into which said outlet discharges to carry off water delivered from the tank.

1,581,159. GAS PRODUCER WITH A REVOLVING GRATE. WALTER BENNHOLD, Furstenwalde, Germany, assignor to Julius Pintsch Aktien-Gesellschaft, Berlin, Germany. Filed Aug. 18, 1920. Serial No. 404,465. 2 Claims. (Cl. 48—66.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



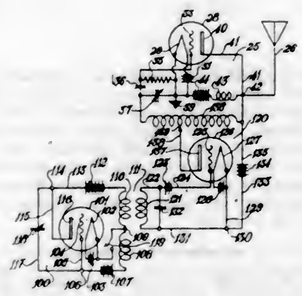
1. A gas producer having an annular body presenting spaced exterior and interior walls, fuel hoppers above the annular chamber formed between such walls, gas outlet passages leading from said chamber through said inner wall, and an annular grate arranged in the bottom of said annular chamber.

1,581,160. BATTERY-CONTROL SYSTEM. ARNOLD S. BERTELS, Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,716. 4 Claims. (Cl. 175—183.)



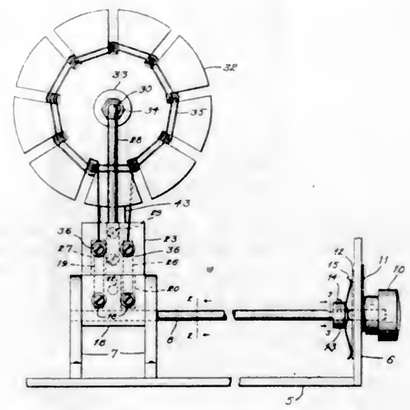
1. In a testing device for testing electromagnets, an operating circuit for the magnet including a battery connected to one terminal thereof, an auxiliary battery, means for connecting said auxiliary battery to oppose said first battery, means for connecting said auxiliary battery to aid said first battery, and means for independently adjusting the potential resulting from each such connection.

1,581,161. MEANS FOR REDUCING INTERFERENCE AND OBTAINING SECRECY IN RADIO TRANSMISSION. ALBERT S. BLATTERMAN, Little Silver, N. J. Filed Apr. 18, 1921. Serial No. 462,243. 2 Claims. (Cl. 250—8.)



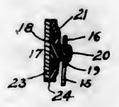
1. A transmitter circuit comprising the combination of a main oscillation circuit including inductance and capacitance, a modulation circuit comprising means for varying the frequency of said main oscillation circuit at an inaudible rate and a signalling device for changing the said inaudible rate of frequency variation of the said main oscillation circuit in signaling.

1,581,162. TUNING-COIL MOUNTING. EMILE J. BOUCHER, Catonsville, Md. Filed Apr. 18, 1923. Serial No. 632,880. 1 Claim. (Cl. 175—359.)



The combination with a plug comprising terminals, of a support secured to said plug, a threaded sleeve provided with a flange secured on said support, a coil disk mounted on said sleeve, a nut on said sleeve for clamping said disk against said flange, and a coil on said disk having its ends connected to said terminals.

1,581,163. EYEGLASS GUARD. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 23, 1923. Serial No. 640,844. 2 Claims. (Cl. 88—48.)

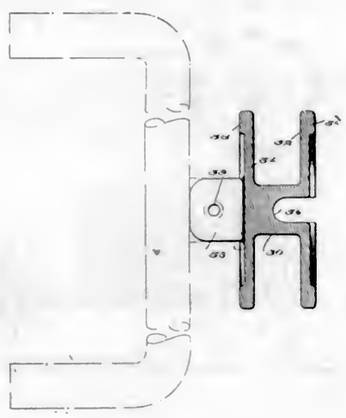


1. In a guard for an ophthalmic mounting, a metallic face plate with an offset stud, a non-metallic facing on the front of the metallic face plate extending beyond the edges thereof, a non-metallic facing on the back of the metallic face plate having a portion covering the back face of the face plate around the offset stud, and a portion extending beyond the edges of the face plate and engaging the front non-metallic facing beyond the edges of the metallic face plate, and cementitious means for uniting the front and back non-metallic facing.

1,581,164. DEVICE FOR TIGHTENING FLEXIBLE LINES. ALEXANDER BOYNTON, San Antonio, Tex. Filed Mar. 26, 1925. Serial No. 18,644. 3 Claims. (Cl. 254—161.)

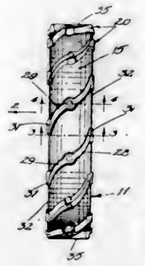
3. A device for tightening flexible lines comprising a hub having a transversely extending line receiving slot opening out through one end of the hub, circular end plates fixed on the hub and having transversely aligned circular series of openings, one of said hubs having a diametrical slot aligned with the slot of the hub to per-

mit the line to be entered into the same, the other plate having means co-operable with a wrench whereby the device may be turned, and a pin selectively in-



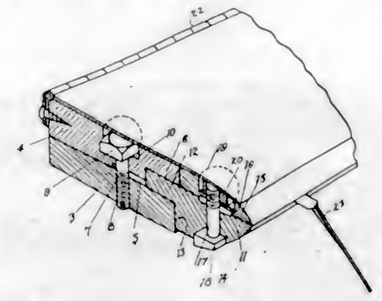
sertible in the transversely aligned openings of the plates and engageable with the line for holding the same in position.

1,581,165. WHEEL CONSTRUCTION. LOUIS BRENNEIS, Oxnard, Calif., assignor to Brenneis Manufacturing Company, Oxnard, Calif., a Corporation of California. Filed Jan. 2, 1925. Serial No. 114. 3 Claims. (Cl. 301—44.)



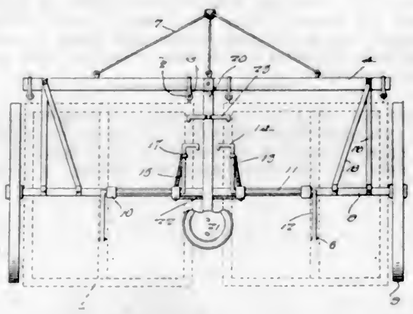
1. In combination; a wheel having a rim; and grousers for giving traction to said wheel, each of said grousers comprising a central enlarged portion through which a bolt extends to secure said grouser to the outer face of said rim, curved arms extending symmetrically from said central portion in substantially opposite directions and diagonally with respect to the axis of rotation of said wheel, the ends of said arms overlapping with the arms of adjacent grousers in a manner to provide an unbroken rolling engagement with a surface, and lips formed on the ends of said arms, said lips engaging the edges of said rim, thus preventing lateral movement of said grouser.

1,581,166. BEAM FOR RULING PENS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to W. O. Hickok Mfg. Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed July 2, 1925. Serial No. 41,162. 5 Claims. (Cl. 33—45.)



1. A pen beam for ruling machines, comprising a main bar, a clamping bar, a pen holding jaw clamped by and between the main bar and clamping bar, and a second pen clamping jaw coacting with the first jaw to clamp the pens.

1,581,167. WHEELED RIDING HARROW. WILLIAM E. BROWN, Pottsboro, Tex. Filed Nov. 3, 1925. Serial No. 66,567. 6 Claims. (Cl. 55—88.)

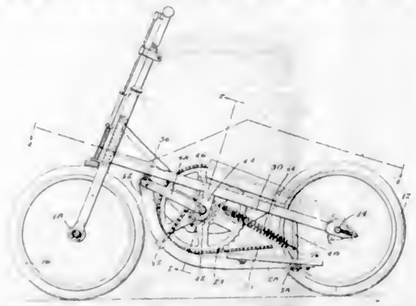


4. A riding attachment for harrows comprising an axle with ground wheels at its ends, a drawbar located in front of and below the axle and connected with the end portions thereof, seat carrying means connected at the central portions of the axle and drawbar, and rockable driver controlled members carried by the axle and movable independently of each other, and each having a rearwardly extending arm adapted to be flexibly connected with a harrow below it.

1,581,168. SCOOTER. AUGUST BULLERMANN, Hannover, Germany, assignor, by mesne assignments, to "Bullo" Cycle-Scooter Control of America, Inc., Woodhaven, N. Y., a Corporation of Delaware. Filed Sept. 25, 1925. Serial No. 58,661. 11 Claims. (Cl. 208—36.)

1. A vehicle of the character described having, in combination, a vehicle frame, a steering wheel at the forward end of the frame, a rear wheel at the rear end of the frame, a driving shaft for driving the rear wheel, two treadle arms pivoted to the frame between the steering wheel and the driving shaft and extending from their pivotal points rearward towards the rear wheel, the rear ends of the treadle arms being provided with treadles,

the treadle arms being adapted to occupy a normal upper limiting position beneath the driving shaft, two one-way clutches for driving the driving shaft in one direction only, means extending upward from the forward end of each treadle arm to connect the treadle arm with the

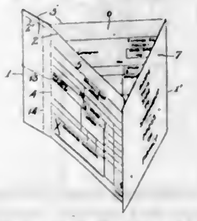


corresponding clutch, whereby downward actuation of each treadle from the normal position will cause actuation of the corresponding clutch through the corresponding connecting means to effect the driving of the driving shaft, and means for resiliently returning the treadles to the normal positions.

1,581,169. METAL-CASTING MACHINE. HEINRICH BURCHARTZ, Geisenkirchen, Germany, assignor to Gelsenkirchener Bergwerks-A. G., Gelsenkirchen, Germany. Filed Dec. 10, 1924. Serial No. 755,105. 6 Claims. (Cl. 22—65.)

1. Device for casting hollow bodies by the centrifugal process comprising a substantially horizontally arranged spout and a deflector movable on said spout and arranged for alternately allowing or barring the flow of metal from said spout in the direction of its axis.

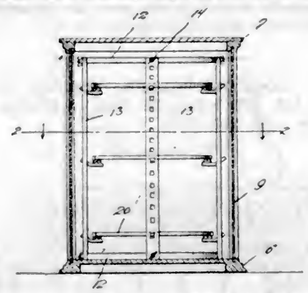
1,581,170. MANIFOLD EXPRESS FORM. ARTHUR BURDELL, Atlanta, Ga., assignor to Arthur S. Gilman, Cleveland, Ohio. Filed Oct. 8, 1924. Serial No. 742,285. 6 Claims. (Cl. 283—20.)



1. In a device of the class described, three sheets connected end to end; two of said sheets having a portion of their areas joined to each other face to face; the third sheet being of less area than one of the other two.

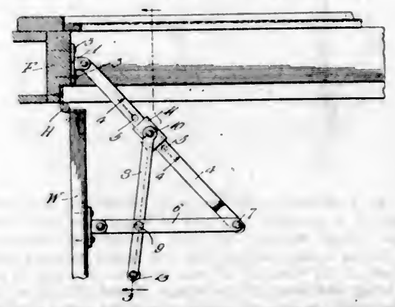
1,581,171. DISPLAY CASE. GUSTAV F. BUSHMAN, Salt Lake City, Utah. Filed Sept. 2, 1924. Serial No. 735,891. 4 Claims. (Cl. 211—16.)

1. In a display device, a plurality of uprights arranged in a circle to form a supporting frame, a bracket on each upright extending inwardly of the frame, a pair of rollers on each bracket having their axes right angularly disposed in relation to each other so that one roller is disposed horizontally, and the other vertically, the rollers on the brackets which are horizontal describing a circle smaller than the vertically disposed rollers, and a circular



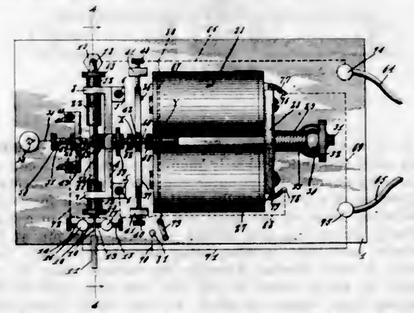
platform supported on the horizontally disposed rollers and having its edge engageable with the vertically disposed rollers.

1,581,172. CASEMENT-WINDOW HOLDER. JOHN W. BUTLER, Minneapolis, Minn. Filed Aug. 10, 1925. Serial No. 49,395. 2 Claims. (Cl. 292—263.)



1. A casement window holder comprising a pair of links pivoted together, means for pivoting one link to the window frame and means for pivoting the other link to the window, one of said links being provided with an opening, a slide movable freely along this link and mounted for vertical movement with respect to such link, said slide having a stud projecting downwardly from its upper side for reception in said opening, and a carrying member pivoted to said slide at one of its ends and pivoted to the other link.

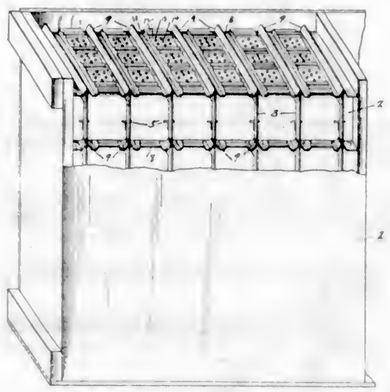
1,581,173. TELEGRAPH TRANSMITTER. KARL H. CANNAM, Eureka, Calif. Filed May 28, 1925. Serial No. 33,512. 8 Claims. (Cl. 178—101.)



1. In a telegraph transmitter a supporting member, a tensioned sending lever having one end thereof connected therewith, said member having a portion thereof super-

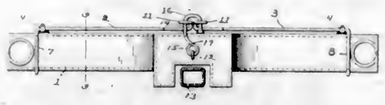
posed with respect to said lever, and means slidably adjustable on said member and overlapping and shiftable lengthwise with respect to the lever for increasing and decreasing the tension of the latter.

1,581,174. EGG-CASE FILLER. WILLIAM D. COIL, Muncie, Ind. Filed June 18, 1925. Serial No. 37,945. 5 Claims. (Cl. 217—26.)



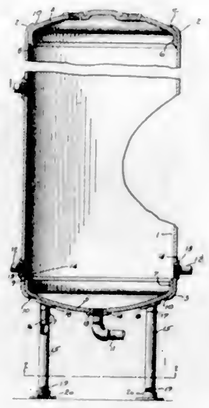
2. In a device of the character described the combination of a plurality of series of longitudinal and cross strips locked together to form multicell containers, a flat having trough shaped ribs and raised portions intermediate of the ribs, one of said strips on one side of said flat being embraced by the trough shaped rib and a companion strip on the other side of said flat embracing said trough shaped rib, said latter strip being also engaged by the raised portion intermediate of said ribs, whereby an unobstructed gutter will be formed between the rib and the raised portion.

1,581,175. CAR-COUPLER RELEASE RIGGING. SAMUEL H. CONWELL, Chicago, Ill., assignor to Walter P. Murphy, Chicago, Ill. Filed June 15, 1921. Serial No. 477,774. 5 Claims. (Cl. 213—170.)



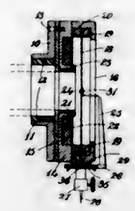
4. In a release rigging for car couplers, the combination with two independently mounted levers on a car, an operating handle on the outer end of each lever normally depending in a substantially vertical position, a forwardly extending crank on the inner end of each lever, of a rigid member connecting said cranks with the lock pin of the coupler, said rigid member being slidable vertically relatively to said cranks, whereby the member may be elevated by either lever to lift the lock pin without disturbing the normal position of the other lever, and whereby the lever operated may return to its normal position without disturbing the lock set position of the lock pin.

1,581,176. HOT WATER TANK. CHARLES L. COOK, Decatur, Ill., assignor to Leader Iron Works, Decatur, Ill., a Corporation of Illinois. Filed Mar. 13, 1922. Serial No. 543,231. 1 Claim. (Cl. 126—363.)



In a hot water tank, a plurality of flanged castings welded to the tank and provided with depending spindles, a plurality of pipes, each having a telescopic connection with a spindle of said flanged castings, and flanged couplings having an adjustable connection with the lower ends of said pipes.

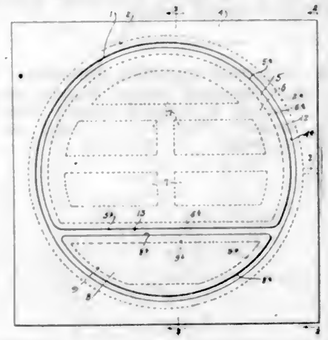
1,581,177. SOUND BOX. ARTHUR FREDERICK RICHMOND COTTON, London, England. Filed July 16, 1923. Serial No. 651,807. 4 Claims. (Cl. 274—35.)



1. A sound-box, comprising a body, a diaphragm mounted therein, a stylus lever rockably mounted upon said body and connected to said diaphragm, a base plate connected to said stylus lever, said base plate formed with apertures, and control springs secured to said body, said springs fitting in said apertures and pressing upon said base plate at opposite sides of the axis of its rocking movement.

1,581,178. COMBINED EDUCATIONAL AND GAME BOARD. HORATIO G. CRESS, Troy, Ohio, assignor to The H. G. Cress Company, Troy, Ohio, a Corporation of Ohio. Filed Sept. 8, 1925. Serial No. 54,903. 6 Claims. (Cl. 35—9.)

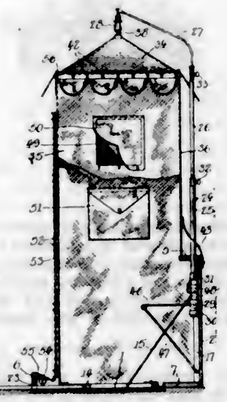
1. In an article of the character described, a plurality of sections, each of said sections composed of superimposed fashioned layers or thicknesses, said sections having spaces therebetween to form communicating passageways for a plurality of buttons, and one of said sections having an opening extending from said passageways to the outer edge of said section.



1,581,179. ANTIFREEZING SOLUTION. EDWIN H. CROFOOT, Mason City, Iowa, assignor to Larrowe Construction Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 16, 1920, Serial No. 351,933. Renewed Sept. 18, 1925. 2 Claims. (Cl. 252—5.)

1. The combination with a radiator, of an anti-freezing cooling fluid in said radiator, comprising waste liquor from sugar extraction processes.

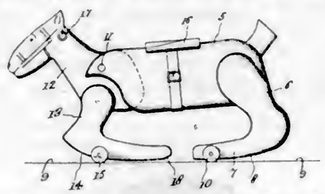
1,581,180. TENT. JOSEPH CSAJAGHY and WALTER M. FARKAS, Chicago, Ill. Filed Sept. 16, 1925. Serial No. 56,578. 7 Claims. (Cl. 135—1.)



7. A portable tent comprising, in combination, a carrying case, a flexible tent body, and means to support said tent body on said carrying case comprising a bearing member rigid with the interior of the case and an extensible pole permanently but slidably mounted in said bearing member.

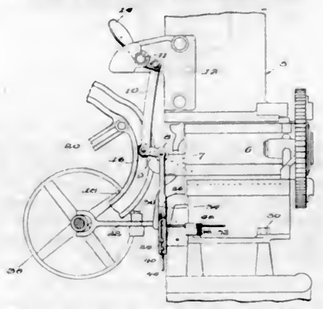
1,581,181. NOVELTY TOY OR EXERCISING DEVICE. JOHN JAMES DAHLSTROM, New Orleans, La. Filed Oct. 24, 1924. Serial No. 745,652. 1 Claim. (Cl. 272—53.)

In a toy of the class described, a body portion having rectangularly bent hind leg elements rigid therewith, said legs having lower curved surfaces adapted to engage and fulcrum upon a fixed supporting surface; a head and neck portion pivotally secured to said body, having reversely angularly shaped front leg elements rigid therewith, said front legs also having lower curved surfaces adapted to engage and fulcrum upon said supporting



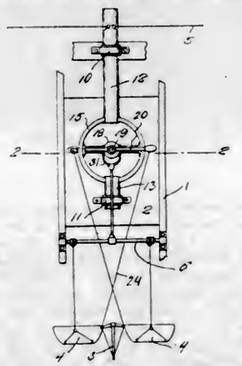
surface; and rollers carried adjacent the forward portions of both said front and hind leg elements for normally maintaining their curved surfaces out of engagement with said supporting surface.

1,581,182. MOLD-SLIDE SAFETY DEVICE. THOMAS F. DUFF, Hamilton, Ala. Filed Mar. 16, 1925. Serial No. 16,013. 12 Claims. (Cl. 199—52.)



1. In a line casting machine, the combination of an operating lever, a lever having means for connection with a mold slide, a link having connection with said lever, a laterally projecting arm connected to said link, and having an upwardly extending wedge positioned below and backward of said operating lever, and a clutch controlling lever actuated by said operating lever when said operating lever is moved by said wedge.

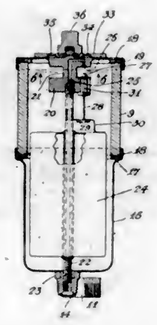
1,581,183. AEROPLANE CONTROL MEANS. HENRY A. DUNCAN, Coffeyville, Kans. Filed Oct. 23, 1925. Serial No. 64,385. 3 Claims. (Cl. 244—29.)



3. Aeroplane control means comprising a rockable member, a tubular portion swingably connected with said rockable member, turnable means extending through the

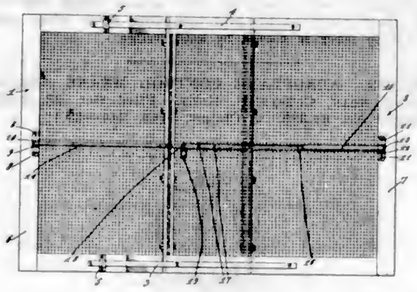
said tubular portion, means for connection with a rudder, and a flexible shaft disposed within the rockable member and interposed between and connecting the turnable means and the means for connection with said rudder.

1,581,184. VACUUM FEED. THOMAS A. EDISON, Jr., Orange, N. J. Filed Jan. 5, 1923. Serial No. 610,838. 1 Claim. (Cl. 103—236.)



In a vacuum pump for a vacuum feed system, the combination with a pump chamber, a float therein, a valve mechanism controlled by the float, of a vent in the upper wall of the pump chamber at all times communicating with the atmosphere, and a disc having a channel therein mounted upon the outer end of the pump chamber to protect said vent, substantially as set forth.

1,581,185. FASTENER FOR SECTIONAL WINDOW SCREENS. HORACE R. ELLIS, Meadville, Pa. Filed Oct. 6, 1925. Serial No. 60,832. 1 Claim. (Cl. 292—262.)

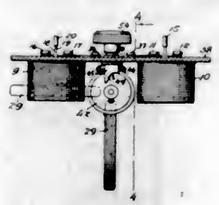


A fastener device for window screen sections comprising a pair of keepers each adapted to be secured to the outer end rail of a screen section on the rear face thereof and each formed with a socket opening at the inner side of its respective keeper, a tubular fastener bar having its outer end seated in the socket of one of said keepers, a solid cylindrical fastener bar telescoping in said tubular bar and having its outer end seated in the socket of the other said keepers, and said solid bar having its inner terminal portion provided with a row of spaced diametrically extending openings for selectively receiving the hasp of a lock exteriorly of the inner end edge of the tubular bar to arrest movement of the latter on and in a direction towards the outer end of the solid bar and to arrest movement of the latter in and towards the outer end of the tubular bar thereby fastening the screen sections in spaced relation.

1,581,186. ELECTRIC CONTACT BREAKER. ARTHUR JOHN HAWES ELVERSON, London, England, assignor to Herbert Kennedy & Company Limited, Westminster, London, England. Filed Aug. 11, 1922. Serial No. 581,251. 4 Claims. (Cl. 200—30.)

1. Electric contact breaking apparatus comprising the combination of a flat spring, means to anchor one end of said spring, an abutment pressing upon the free end of said spring, a fixed contact, a second contact upon said spring normally engaging said fixed contact, a plunger operable to press said flat spring away from said fixed contact, said contacts being disposed between the said plunger and the said free end of said spring.

1,581,187. TRANSFORMER. CHARLES FAYER, Flushing, N. Y., assignor to Wappler Electric Company, Inc., a Corporation of New York. Filed Dec. 22, 1922. Serial No. 608,398. 5 Claims. (Cl. 171—119.)



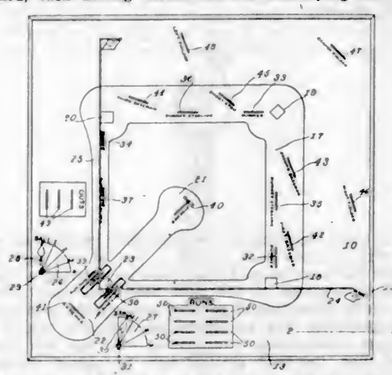
1. A transformer, comprising a board, a pair of secondary windings supported by said board and each having its general axis extending in a direction lateral to the plane of the board, and a primary winding supported by said board and arranged to turn into different angular positions relatively to each of said secondary windings.

1,581,188. PROCESS OF ELECTRODEPOSITING CHROMIUM AND OF PREPARING BATHS THEREFOR. COLIN G. FINK, New York, N. Y., assignor to Chemical Treatment Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 19, 1925. Serial No. 76,529. 18 Claims. (Cl. 204—1.)

1. A method of electrodepositing chromium from solutions of chromic acid, comprising reducing chromic acid at the cathode in the presence of a catalyst and of a protecting hydrogen film.

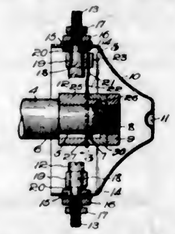
1,581,189. GAME. WILLIAM R. FUCHS, Washington, D. C. Filed Nov. 23, 1921. Serial No. 517,236. 33 Claims. (Cl. 273—93.)

1. In a game of the character described, a game board having the representation of a base ball field thereon and a plurality of game pieces cooperating with said board, each having means thereon identifying the same



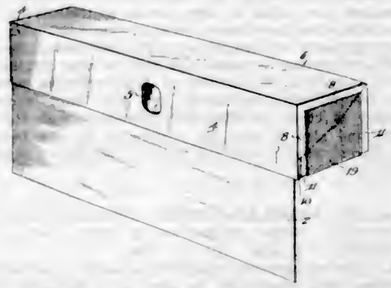
as individual base ball players, each of said game pieces serving both as the player in the field and the same player at bat.

1,581,190. DISTRIBUTOR FOR IGNITION SYSTEMS. JOHN H. GEORGE, Bridgeport, Conn. Filed Apr. 23, 1920. Serial No. 376,081. 3 Claims. (Cl. 200—24.)



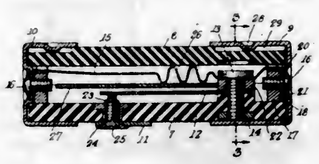
1. In an ignition system for internal combustion engines, a casing presenting a closed end, and an open end for engagement with the engine, a series of spaced, current-conducting rollers mounted to turn about axes radiating from a common center, and an axially resilient current-conducting arm mounted to turn about an axis containing said center, said arm successively contacting with the peripheries of said rollers and adapted to urge the open end of said casing against the engine.

1,581,191. COMBINED WEB-ROLL SHIPPING AND WEB-DISPENSING CONTAINER. WILLIAM K. GERBRICK, Neenah, Wis. Filed Feb. 16, 1925. Serial No. 9,534. 3 Claims. (Cl. 206—52.)



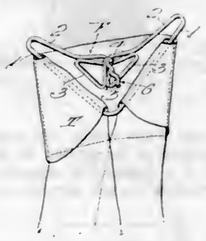
3. A combined web roll shipping and dispensing package comprising an open sided body portion and a roll of web mounted therein, the outer end terminal portion of the web extended from the roll to lie flat against the inner face of the front of said body portion, the back of said body portion having a cover hinged thereto, said cover having a free flap inserted between the roll and the rear face of the said extended portion of the web, and means for securing said cover in closed position.

1,581,192. ELECTRIC RELAY. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Oct. 25, 1924. Serial No. 745,744. 3 Claims. (Cl. 200—122.)



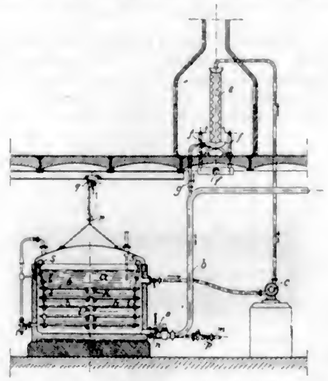
1. An electric relay comprising an insulating body formed of two parts, anchorage members mounted between said parts, a heater strip having its opposite ends bent over said anchorage members, a thermostatic switch having a bimetallic member secured to said heater strip, end caps having introverted portions with non-circular recesses, means for preventing rotation of said caps on said body, and screws connecting said end caps and said heater strip and said anchorage members together, the heads of said screws being soldered against rotation in the recesses in said end caps.

1,581,193. NECKTIE FORM. THOMAS W. GILBERT, Greenville, Me. Filed May 11, 1925. Serial No. 29,585. 4 Claims. (Cl. 24—56.)



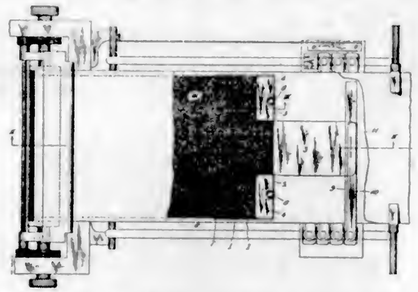
4. A neck-tie form comprising a single length of wire having its intermediate portion bent to provide a lower side bar with upwardly diverging ends, the end portions of the wire being bent inwardly and downwardly at the ends of said lower side bar, converging downwardly to a point over the center of said lower bar, being then bent away from each other, then converging downwardly to a point above the first bending point, then upwardly in parallel relation to one another and finally bent and twisted to form a downwardly opening collar-button engaging clip.

1,581,194. APPARATUS FOR COOLING AND AERATING BEER WORT AND FOR DEPOSITING THE SLUDGE. AUGUST GILLE and LEOPOLD NATHAN, Zurich, Switzerland, assignors to The Corporation of Nathan Institut A.-G., Zurich, Switzerland. Filed Aug. 27, 1921. Serial No. 495,965. 9 Claims. (Cl. 195—25.)



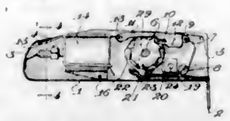
1. In an apparatus of the class described, a sludge depositing vessel provided with sludge-receiving plates, the adjacent ends of which are pivoted while their other ends are free to be raised and lowered so as to swing said plates on their pivots.

1,581,195. CARBON-SHEET HOLDER. ARTHUR S. GILMAN, Cleveland Heights, Ohio, and JOHN E. DOODY, Toronto, Ontario, Canada; said Doody assignor to said Gilmore. Filed Dec. 19, 1923. Serial No. 681,634. 5 Claims. (Cl. 197—126.)



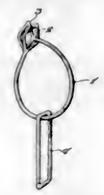
1. A carbon-sheet holder comprising a sheet of suitable material and adapted to be secured to the carbon-sheet operating means of a duplicating typewriter; and means for detachably securing the end portions of a carbon-sheet thereto.

1,581,196. RECOIL REGISTER. GUSTAV G. GOCKE, Long Beach, Calif. Filed Mar. 8, 1925. Serial No. 12,962. 3 Claims. (Cl. 235—91.)



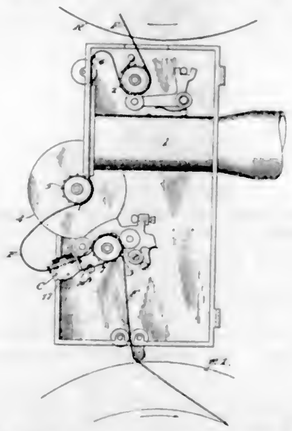
1. The combination with a receptacle subject to recoil, of a recoil register comprising a container, a counter positioned within the container, a totalizer linked to the counter, and means for transmitting a rocking motion to the totalizer.

1,581,197. LINK. WILLIAM GOODMAN, Pueblo, Colo. Filed Nov. 28, 1923. Serial No. 677,552. 2 Claims. (Cl. 59—96.)



2. A link comprising an elongated body provided at one end with an open head, the other end of the body extending through the said open head and having a head presented edgewise to the open head, said body being of a width permitting of passage through the open head of a companion link whereby when a second link of a duplicate construction is assembled with the first mentioned link its body portion may be passed through the open head of the first-mentioned link and over the second mentioned head for backward withdrawal through the open head and separation from the first mentioned link.

1,581,198. MOTION-PICTURE-FILM CLEANER. JOSEPH G. GRAMSA, Buffalo, N. Y., assignor of one-half to Elmer B. Chapman, Buffalo, N. Y. Filed June 5, 1924. Serial No. 718,146. 4 Claims. (Cl. 88—17.)



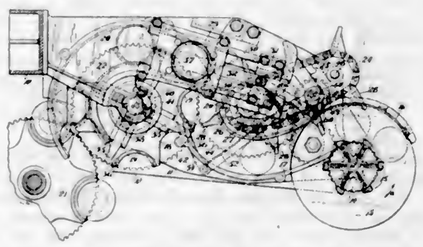
4. In a motion picture machine the combination with the usual intermittent film feeding mechanism, and lower sprocket over which the film passes to the take-up reel of a film cleaner arranged between said mechanism and lower sprocket and comprising a pair of opposed cleaning pads and means to cause said pads to bear frictionally upon a portion of the loop of film extending between the intermittent mechanism and the lower sprocket, thereby to clean the film as it passes through the machine and also to keep the portion of the film between the lower sprocket and the take-up reel under constant tension.

1,581,199. RAZOR SHARPENER. WILLIAM W. GRAVES, Brockton, Mass. Filed Jan. 9, 1924. Serial No. 685,143. 2 Claims. (Cl. 51—200.)

1. A razor sharpener comprising a flexible, non-metallic holding strip adapted to be used as a finishing strop, and provided at its end portions with oppositely projecting coupling hooks overhanging one of its sides; and a resilient sheet metal ribbon of relatively hard metal having on each side a coating of relatively soft metal, and reinforced end portions provided with slots adapted to receive said coupling hooks when the holding strip is flexed, the arrangement being such that the hooks tension the ribbon when the holding strip is tensioned,

said ribbon and strip constituting a flexible two part sharpener presenting two metallic sides, each adapted for honing and for preliminary stropping and adapted to be used interchangeably, and a non-metallic side adapted for final stropping.

1,581,200. VARIABLE-SPEED CAN-FEED MECHANISM. HENRY L. GUENTHER, Los Angeles, Calif. Filed Dec. 21, 1921. Serial No. 523,825. 6 Claims. (Cl. 198—22.)

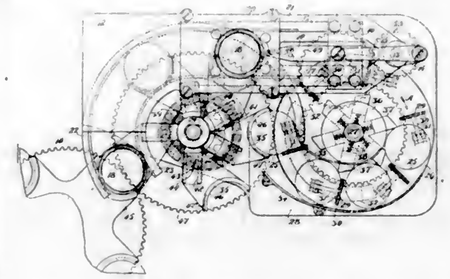


1. In a can capping machine, a can feed device comprising a slowly traveling initial feed member, a rapid traveling final feed member and means interposed between said devices and having a member to transfer cans from one to the other of said devices and means for causing the rate of travel of the can engaging portion of the said member to gradually accelerate during a portion of its travel.

1,581,201. DIFFERENTIAL-SPEED CAN-FEED MECHANISM. HENRY L. GUENTHER, Los Angeles, Calif. Filed Dec. 21, 1921. Serial No. 523,826. 5 Claims. (Cl. 198—22.)

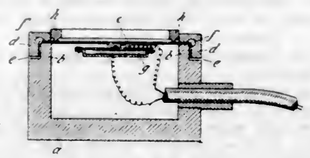
4. In a can capping machine, a can feed device comprising a feed disc, means for driving said disc at a constant rate of speed, vertically moving feed means adapted to be projected through the disc to positively engage the cans delivered to the disc, and radially slidable spring actuated fingers adapted to engage the cans and arrange them to travel forwardly with the disc at predetermined intervals.

5. In a can feed mechanism an accelerating feed device comprising a plurality of radial arms adapted to travel around a common center and to receive cans



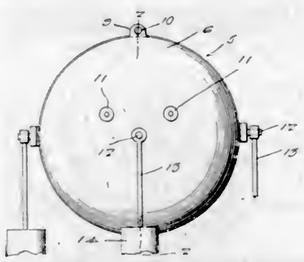
at their outer ends, a driving device therefor, operating at a constant speed, and means interposed between said device and the arms, whereby they will be caused to swing around their axis at a differential speed.

1,581,202. MEANS FOR MOUNTING DIAPHRAGMS. WALTER HAHNEMANN, Kitzeberg, near Kiel, and WILHELM RUDOLPH, Kiel, Germany, assignors to the Firm: Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Filed Aug. 25, 1921. Serial No. 495,231. 6 Claims. (Cl. 181—31.)



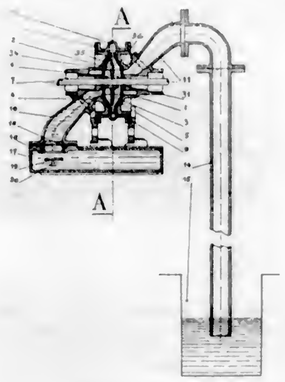
1. In a sound apparatus, the combination with the casing of the apparatus, of a ring, and a diaphragm having a marginal portion interposed between the ring and casing and held tight by a clamping effect exerted by the shrinkage of one of the said parts between which it is interposed.

1,581,203. AIRCRAFT BATTERY. JOHN L. HAIGHT, Jr., Fort Worth, Tex. Filed Sept. 4, 1925. Serial No. 54,474. 2 Claims. (Cl. 136—166.)



1. In a structure of the class described, a storage battery of spherical form having a weighted bottom providing a center of gravity, and a spherical mounting in which said battery is confined, said mounting being adapted to be supported upon a craft and being relatively movable with respect to the perpendicular battery.

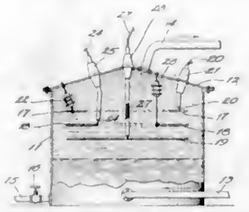
1,581,204. SELF-PRIMING CENTRIFUGAL PUMP. PAUL HARIVEAU, Paris, France. Filed May 17, 1923. Serial No. 639,653. 5 Claims. (Cl. 103—113.)



3. In a priming device for centrifugal pumps for fluids the combination of a pump casing, a rotor mounted within said casing, a pair of inlet pipes, means to connect one of said inlet pipes to the supply fluid, a priming reservoir, means to connect the other of said inlet pipes with said priming reservoir, a valve on said pipe between said priming reservoir and said inlet pipe, a float in said reservoir adapted to control automatically the position of said valve when the liquid therein has reached a predetermined level, a delivery pipe and means to connect said priming reservoir with said delivery pipe.

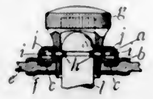
5. In a centrifugal pump having a casing and a rotor therein with an imperforate contral disk and impeller blades on both sides of said disk, an inlet pipe to lead the supply fluid to one side of said rotor disk, a priming reservoir, a second pipe leading from said reservoir to the other side of said rotor disk, a delivery pipe leading from said casing, and a by pass pipe from said delivery pipe to said reservoir, whereby one side of said disk and its impeller blades acts to maintain the priming of the pump and the other side and its impeller blades acts to pump the supply fluid.

1,581,205. PROCESS OF PREVENTING THE PERSISTENCE OF CHAIN FORMATIONS IN AN ELECTRICAL DEHYDRATOR FOR OIL EMULSIONS. FOND W. HARRIS, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a Corporation of California. Filed Feb. 11, 1925. Serial No. 8,409. 5 Claims. (Cl. 204—25.)



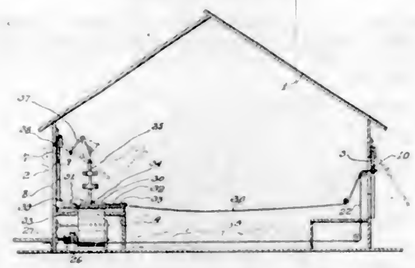
1. A process of dehydrating petroleum emulsions which comprises: establishing a high potential electrical field in a body of said emulsion so that there is a tendency for conducting chains to be formed in said field; and superimposing upon said electrical field a magnetic field formed by secondary conducting chains through said emulsion, said secondary chains being so formed that they do not impair the potential of said high potential electric field.

1,581,206. PRESS BUTTON AND LIKE FASTENING FOR USE WITH FLEXIBLE MATERIALS. SIDNEY CHARLES HARRISON and HARRY ILES, Birmingham, England. Filed Dec. 15, 1924. Serial No. 756,145. 3 Claims. (Cl. 24—221.)



1. In fastenings of the kind specified, the combination comprising a two part body, a hollow rotatable releasing member formed with a pair of transverse slots, resilient locking pieces lying across said slots, a separate grooved or necked complementary part engageable by the said locking pieces, projections formed integrally with one of the members of the two part body, certain of said projections being arranged immediately adjacent the portions of the resilient locking pieces lying across said slots and engageable by said portions incident to rotary movement of the releasing member to positively limit the rotary motion of said releasing member.

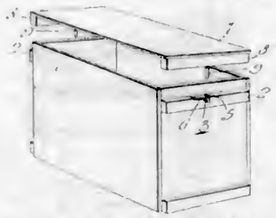
1,581,207. CHICKEN RECORDER. FRANK S. HAYDEN, Harrisonburg, Va. Filed Apr. 14, 1924. Serial No. 706,410. 7 Claims. (Cl. 119—50.)



3. A nest for chickens having entrance and exit openings, a record sheet arranged at the entrance opening to be stepped on by the chicken, a stamper worn by the chicken's foot, means for shifting the sheet and actuated by the exit of the chicken from the nest, doors arranged at said openings, the door at the entrance opening being cut away to permit the partial entrance of the chicken and to swing vertically under the advance of the chicken in the nest, whereby the chicken is caused to crouch and exert greater pressure on the stamper and effect a clear impression on said record sheet, said actuating means consisting of feed rollers, a spring drum, a pawl and ratchet connection between said drum and rollers, and a flexible connection between said exit door and said drum and normally held taut by said drum.

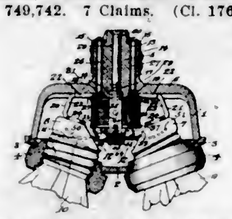
1,581,208. CLOSURE FASTENER FOR RECEPTACLES. ORVILLE JOSEPH HAYES, Decatur, Ill. Filed Feb. 19, 1925. Serial No. 10,371. 1 Claim. (Cl. 292—80.)

In a closure fastener comprising, a member having a recessed front with an inclined bottom portion and a shoulder at the lower end of the inclined portion, said shoulder extending outwardly to a point in a plane with the upper end of the inclined end having a central outwardly extending groove, a resilient strip having one end secured to the member adjacent the upper end of the incline and normally extending toward the outer end of said shoulder and spaced therefrom, a rigid pin slid-



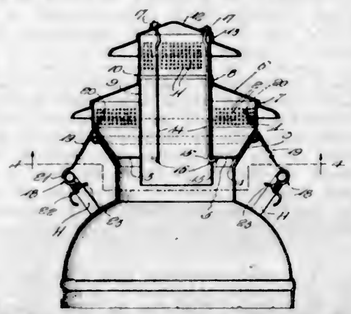
able in said groove to flex the strip and engage the free end of the latter with the side portion of the pin, said strip being in holding position at a point spaced from the inclined bottom and movable into contact with the latter to permit release of the pin.

1,581,209. ELECTRICAL-SWITCH MECHANISM. ALBERT J. HEITZ, Vincennes, Ind. Filed Nov. 13, 1924. Serial No. 749,742. 7 Claims. (Cl. 176—25.)



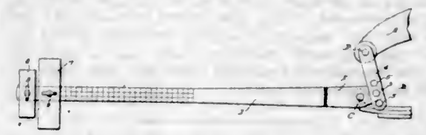
1. An electrical switching mechanism comprising a metallic strap of yoke-shape form providing a current conductor, a pair of spaced bars of ferromagnetic material arranged with the strap and providing a magnetic circuit, means including a normally energized electro-magnetic device arranged between said bars and electrically connected with said strap for closing a lighting circuit, and means controlled by the armature of said device for closing a second lighting circuit when said device is de-energized.

1,581,210. VENTILATED CAN COVER. JULIUS HEUSSER, Clear Lake, Wis. Filed Mar. 23, 1925. Serial No. 17,790. 5 Claims. (Cl. 220—44.)



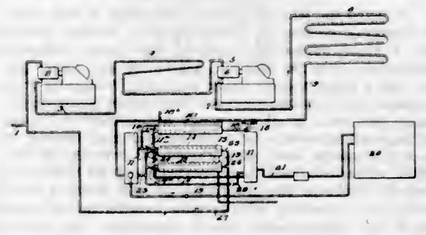
1. A ventilated can cover having a seat to rest on the upper end of a can, a pair of anchors to engage projections on opposite sides of the can, and elastic connectors connected with said anchors and extending in opposite directions therefrom circumferentially of the cover, the outer ends of said connectors being connected to said cover at four circumferentially spaced points.

1,581,211. LOAD-DETERMINING MEANS. JOSEF HOFMANN, Baumaroche, Switzerland. Filed May 23, 1923. Serial No. 640,900. 9 Claims. (Cl. 265—1.)



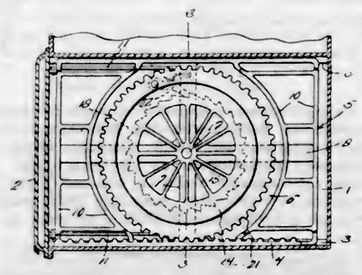
1. A device for determining the load between the two points of attachment of a shock absorber or an auxiliary spring to a vehicle, which comprises a weighing beam fulcrumed between its ends at one of said points, thereby constituting a lever of the first class, a shackle for connecting the shorter arm of said beam and the other point, and a weight on the longer arm of said beam.

1,581,212. RECOVERING GASOLINE. FRED E. HOSMER, Fort Worth, Tex. Filed May 14, 1920. Serial No. 381,326. 1 Claim. (Cl. 183—114.)



In the recovery of vapors from gases, the process which comprises supplying the gas together with a certain amount of additional vapors directly to the suction side of a pump, compressing and cooling the mixed gas and vapors, further precooling by heat transfer to cold dry tail gas, supercooling by evaporation of a portion of the liquid condensed in said various operations, returning the vapors produced in said evaporation back to the suction side of said pump and returning cold dry tail gases coming from the supercooling operation back for precooling.

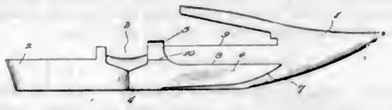
1,581,213. BAKE-PAN-SUPPORTING DEVICE. DAVID JAMES and FREDERICK JAMES, Pasadena, Calif. Filed Oct. 1, 1925. Serial No. 59,848. 3 Claims. (Cl. 126—340.)



1. In combination with a bake oven including the usual baking compartment thereof, and the hinged door associated therewith, of a rack adapted for slidable movement in said baking compartment, means for connecting said rack to the hinged door whereby the rack will slide forwardly and rearwardly simultaneous with the opening and closing of the door, a bake pan supporting member

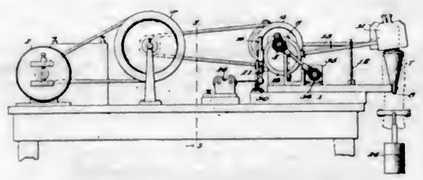
mounted on said rack, means for rotating the same during the sliding movement of the rack in one direction, said last mentioned means comprising a stationary rack arranged on the inner wall of one of the sides of the baking compartment, a ring gear revolvably associated with the bake pan supporting member, the teeth of the ring gear engaging said stationary rack, and a pawl and ratchet mechanism associated with the ring gear and bake pan supporting member.

1,581,214. GUARD FINGER. O'BRIEN KELLEY, Cootes Store, Va. Filed Feb. 12, 1925. Serial No. 8,796. 3 Claims. (Cl. 561—310.)



1. A guard for mowing knives comprising a rear finger bar engaging portion, a forward finger portion formed with a blade supporting surface, side arms extending transversely from the rear end portion of said finger portion, and a supplemental finger extending forwardly from the outer end of one of said side arms, said supplemental finger being unobstructed throughout its length and tapered upwardly in cross section and having its upper face spaced well below the plane of the blade supporting surface of said finger portion and its lower face above the plane of the lower face of said forward finger portion and extending substantially parallel to the upper face of the supplemental finger throughout the greater portion of its length and terminating in an upwardly curved forward end portion.

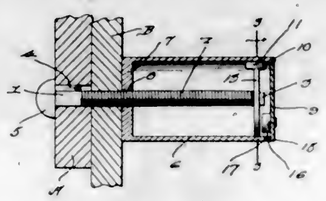
1,581,215. TESTING MACHINE. HENRY V. KOBIN, Indianapolis, Ind., assignor to Real Silk Hosiery Mills, Indianapolis, Ind., a Corporation of Indiana. Filed Sept. 29, 1923. Serial No. 665,574. 27 Claims. (Cl. 73—51.)



1. A testing machine comprising a support for material to be tested; a friction-producing instrumentality operatively associated with said support; means for actuating the friction-producing instrumentality; and mechanism automatically rendering inoperative the friction-producing instrumentality when this instrumentality has produced a predetermined amount of wear on the material.

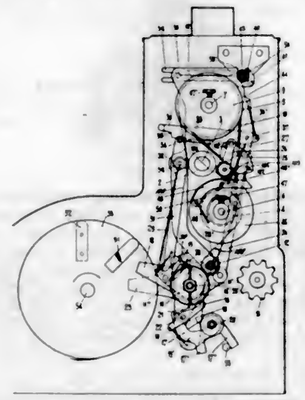
1,581,216. BOLT LOCK. WALTER LONG, Harrisburg, Oreg. Filed Aug. 31, 1925. Serial No. 53,706. 3 Claims. (Cl. 151—29.)

1. In combination with a bolt having its shank threaded, of a lock therefor comprising a cylindrical casing having its inner end closed, said inner end being provided with a threaded opening through which the threaded shank of the bolt extends, means for locking the cylindrical casing against rotation on the bolt, said means comprising a lug arranged on the inner wall of the cylindrical casing adjacent



the outer end thereof, and a washer supported on the outer end of the bolt, said washer being provided with a flat face for engagement with said lug.

1,581,217. PRINTING DEVICE FOR CASH-REGISTERING MACHINES. DECENZIO LO PRESTI SEMINERIO, Turin, Italy, assignor to Societa Italiana Registratori Sir, Turin, Italy, a Company of Italy. Filed May 9, 1924. Serial No. 712,023. 16 Claims. (Cl. 101—93.)

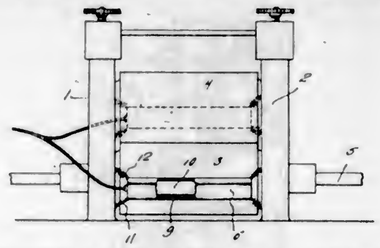


1. A paper tape feeding and printing device for cash registers, comprising an oscillatory supporting member; winding and unwinding spools carried thereby; a feed roller for the tape located between said spools; means for rotating the winding spool; an arm pivoted on said supporting member; an inking member carried by said arm; means actuated by a part of the cash register drive for bringing said inking member into operation; means actuated by a part of the cash register drive for swinging the supporting member in one direction; means for printing on the tape during such swinging movement; means for effecting the return movement of said inking and supporting members; and means for automatically rotating the feed roller during said return movement.

1,581,218. ELECTRIC HEATER FOR THE ROLLERS OF METAL-ROLLING MACHINES. JOHN P. MAGUIRE, Martins Ferry, Ohio. Filed Jan. 22, 1925. Serial No. 4,039. 5 Claims. (Cl. 80—41.)

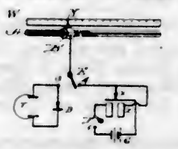
5. In combination with a metal rolling machine including the coacting oppositely rotating rollers, and the usual supporting standards therefor, of an electric heater for each of said rollers, the same comprising an elongated casing, the inner face thereof being curved, anti-friction rollers carried by the inner curved face of the casing and

engaging the respective rollers, a heating unit arranged in the casing adjacent the curved inner face thereof and insulated therefrom, coiled springs secured at one end to the outer end of the casing, the opposite ends of said



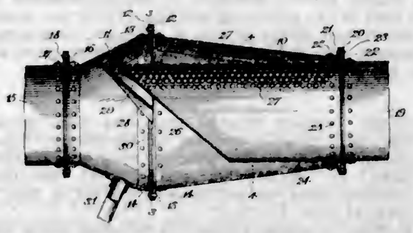
springs being secured to the adjacent standards, one of said heaters being disposed on one side of the frame for cooperation with one roller, another heater being disposed on the opposite side of the frame for cooperation with the coacting roller.

1,581,219. WAVE METER. JOSEPH O. MAUBORGNE, Chicago, Ill., and GUY HILL, Washington, D. C. Original application filed Aug. 6, 1920, Serial No. 401,746. Divided and this application filed Feb. 3, 1923. Serial No. 616,748. 1 Claim. (Cl. 250—39.)



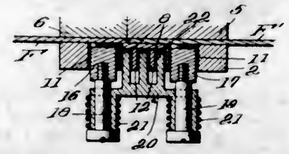
In an apparatus for producing electromagnetic energy of predetermined wave length, the combination of an open circuit and ungrounded resonance wave coil having fixed distributed inductance and capacity and being capable of having developed thereon standing waves of a wide variety of frequencies, the frequency of the energy in the wave coil being determined solely by the electrical constants of the coil and the point of application of a high potential from a local untuned energy source, means for varying the point of application to said coil of said high potential, means for electrically connecting said point of application to said high frequency sources and calibrating said wave coil so that the point of application of the high frequency source will determine the frequency of the electromagnetic energy in the wave coil, and local means for producing said untuned high frequency potential.

1,581,220. CATCHALL FOR MULTIPLE EFFECT EVAPORATORS AND VACUUM PANS. PEDRO MIR, San Pedro de Marcoris, Dominican Republic. Filed Aug. 26, 1924. Serial No. 734,360. 4 Claims. (Cl. 183—108.)



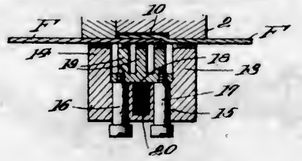
1. A catch-all to eliminate liquor from vapor passing to a condenser, said catch-all including an outer shell having a body of truncated cone shape, said body having a vapor outlet and an oppositely disposed truncated conical end constituting a vapor inlet, said shell having an outlet for the escape of liquor, an inner pipe spaced from the shell and presenting a closed end, the top portion of the pipe being perforated and the lower portion imperforate, and a baffle in front of the upper portion of said pipe, said closed end of said pipe being oblique to the axis of the pipe so that the upper portion of the pipe extends beyond the lower imperforate portion, said baffle being angular in cross section and spaced from the closed end of the pipe to afford an indirect passage from the inlet end of the shell to the perforations of the pipe.

1,581,221. FEEDING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 14, 1921. Serial No. 484,665. 7 Claims. (Cl. 112—216.)



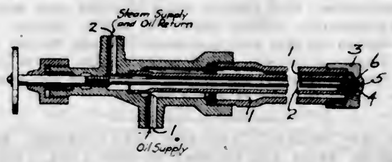
1. The combination with a work support and a presser foot; of a feeding mechanism including a feed dog having main rigid fabric engaging sections, and fabric engaging sections adapted to yield bodily and vertically to accommodate different thicknesses in material, said yielding section having the same longitudinal movement as the main rigid sections.

1,581,222. FEEDING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed July 14, 1921. Serial No. 484,666. 5 Claims. (Cl. 117—226.)



1. The combination of a presser foot and a feeding mechanism, said presser foot having a recess formed in the lower face thereof, and said feeding mechanism including a feed dog having rigid fabric engaging sections at each side of said recess in the presser foot, and yielding fabric engaging sections located so as to engage the fabric passing through said recess.

1,581,223. METHOD OF ATOMIZING LIQUID FUEL. JULIAN MORGAN MOORE, Portsmouth, Va. Filed Aug. 29, 1922. Serial No. 585,001. 6 Claims. (Cl. 158—117.5.)



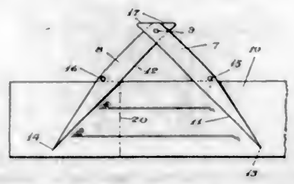
1. A method of atomizing liquid fuel which comprises delivering fuel into a mixing chamber in streams substantially tangential to the walls of said mixing chamber, thereby imparting a whirling motion thereto, de-

livering an atomizing agent under pressure into said chambers in streams alternating with the streams of fuel and which tend to produce rotation in the opposite direction, and liberating the resulting mixture of fuel and atomizing agent through an orifice concentric with the axis of rotation.

1,581,224. TANNING AND THE MANUFACTURE OF TANNING MATERIALS. JAMES ALEXANDER SHEPHEAD MORRISON, Grappenhall, England. Filed Jan. 23, 1924. Serial No. 688,096. 10 Claims. (Cl. 149—5.)

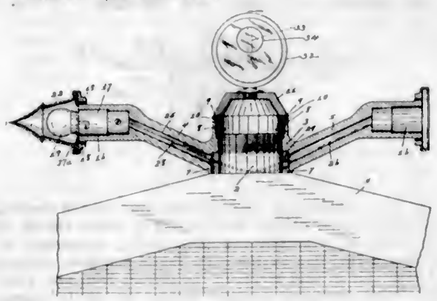
5. The process of preparing tanning extracts which comprises leaching the vegetable raw material and subjecting the extract to such mechanical disintegration as to convert the insoluble matter into the colloidal form.

1,581,225. CARPENTER'S COMBINATION TOOL. JOHN PARKHILL, Rochester, Minn. Filed July 7, 1924. Serial No. 724,620. 8 Claims. (Cl. 33—75.)



1. A tool of the character described comprising pivotally connected blades having straight edges, and an adjustable gage carried by one blade for positioning said blade at different predetermined angles relatively to a surface against which the straight edge of said blade bears.

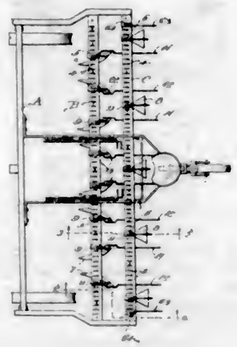
1,581,226. AUTOMOBILE SIGNAL. JOSEPH A. PETNEL, Troy, N. Y. Filed Mar. 7, 1924. Serial No. 697,569. 3 Claims. (Cl. 177—329.)



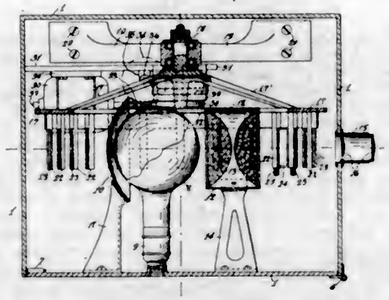
2. A lamp-bracket for automobiles including an open hub encircling and secured upon the nipple of the radiator with its opening registering with the opening in the nipple, the end of the hub adjacent the body of the radiator being spaced away from the nipple to provide a wire-passageway, said hub having a projecting member with a lamp-socket, said member being provided also with a wire-passageway leading from the socket through the hub-wall to the said wire-passageway between the hub and the nipple; a movable cap mounted on the hub to close the opening therein; and means on the hub for detachably locking the cap in closed position.

1,581,227. PLANT GUARD FOR CULTIVATORS. WARREN B. PRATT and CHARLES HOWARD LAMB, Proctor, Colo. Filed Sept. 25, 1924. Serial No. 739,895. 5 Claims. (Cl. 97—188.)

1. The combination with a straddle row cultivator including a frame having forward and rear cross bars, and forward and rear ground-working elements having standards connected to the forward and rear bars of said frame, of plant shielding members connected to the forward ground-working elements and extending rearwardly therefrom upon opposite sides of the rear ground-working elements and rearwardly beyond the same and adapted to be disposed between the rear ground-working elements and rows of plants as the cultivator is drawn across a field.



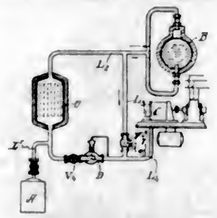
1,581,228. FEEDING MECHANISM FOR PROJECTION APPARATUS. ANGEL PUBAS Y SIERRA and FRANCISCO DEL RIO Y HERNANDEZ, Cueto, Cuba. Filed Feb. 3, 1925. Serial No. 6,625. 2 Claims. (Cl. 88—27.)



2. A feeding mechanism for projection apparatus, comprising a rotatory member carrying a plurality of slides arranged in raised position on one of its faces, each slide being mounted on supporting small bars which are perpendicularly fixed to said rotatory member and which have opposite longitudinal grooves in which the slides fit headwise and means for securely locking each slide in its display position consisting in rotatory members on the ends of the supporting small bars, each one having a longitudinal groove capable of coming in longitudinal alinement with the groove of the supporting small bar for freely admitting the slide along said grooves.

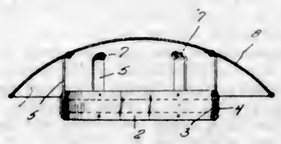
1,581,229. STEAM PLANT. JOHANNES KARL RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Filed May 21, 1918. Serial No. 235,894. 8 Claims. (Cl. 60—104.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. Steam accumulator apparatus for steam plants comprising, in combination, a steam generator, a steam conduit connected therewith, a receptacle connected to said conduit, an accumulator connected with said receptacle, means in said receptacle to store the heat of superheat of steam passing from said generator through said receptacle to said accumulator and to superheat steam passing from said accumulator through said receptacle, a steam consumer, means to lead superheated



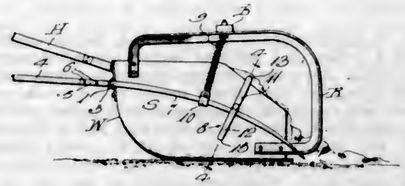
steam from said receptacle toward said consumer, means to withdraw saturated steam from the accumulator and mix the same with the superheated steam and means to lead the mixture of saturated and superheated steam to the consumer.

1,581,230. HAT. FRANKLIN SCHROYER, Hutchinson, Kans. Filed Aug. 7, 1925. Serial No. 48,829. 1 Claim. (Cl. 2—177.)



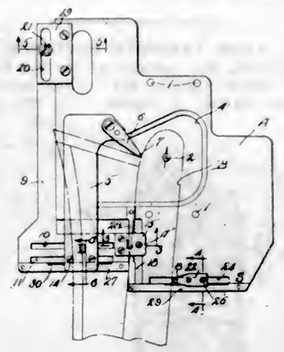
In a hat, a head encircling band, a plurality of vertically arranged standards secured at their lower ends on the outer face of the band at spaced intervals, the upper ends of the standards extending above the top of the band, a substantially concavo-convex helmet, the upper ends of the standards being bent and secured to the concave face of the helmet for supporting the latter above the band in spaced relation thereto, and means for adjusting the diameter of the band to permit the same to fit snugly on the head of the wearer, said means comprising an adjusting strap extending around the outer face of the band, the lower portion of each of said standards being bent to provide a loop for receiving and supporting the adjusting strap.

1,581,231. EARTH SCOOP. DANIEL P. SENGER, Minot, N. Dak. Filed Sept. 17, 1925. Serial No. 56,997. 3 Claims. (Cl. 37—140.)



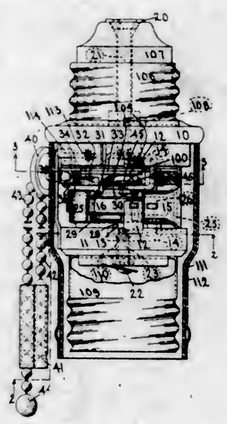
1. In a scoop having a rearwardly projecting handle; a transverse rock shaft mounted on the back wall of said scoop and provided with a rearwardly projecting handle, scoop-dumping ground-engaging arms projecting forwardly from said rock shaft at the sides of the scoop, yokes carried by said sides of the scoop, said arms passing through said yokes for vertical movement, and spring means for normally raising said arms against the upper ends of the yokes.

1,581,232. BUTTONHOLE GAUGE. HARRY D. SIMMONS, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 746,338. 2 Claims. (Cl. 112—75.)



1. A device for holding collars on a button-hole machine having a stitching and cutting mechanism, said device comprising a plate with an opening which is adapted to be permanently located beneath said stitching and cutting mechanism, a stop disposed in said opening and movable to substantially any adjusted position within a certain area and being adapted to engage a certain part of a collar to locate it accurately in said area, a second stop spaced from the opening and supported upon the plate, said second named stop being adjustable solely along a path defined by a single line and being adapted to engage a portion of the collar to adjust it angularly in relation to the first named stop.

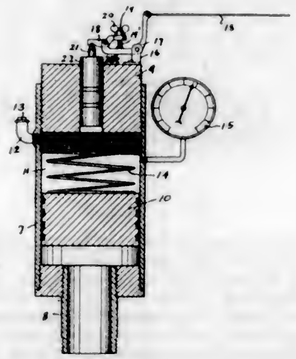
1,581,233. THERMOSTATICALLY-CONTROLLED SOCKET SWITCH. RAYMOND D. SMITH, Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1920. Serial No. 428,100. 27 Claims. (Cl. 200—146.)



1. A lamp socket switch having a casing and switch operating instrumentalities, the latter including contacts, a thermostat disposed circumferentially in the plane of said contacts, a contact-controlling member, a pull-chain-operated segment pivoted to swing in a plane adjacent said thermostat and contacts connected to said member and wholly enclosed within the casing, operatively dif-

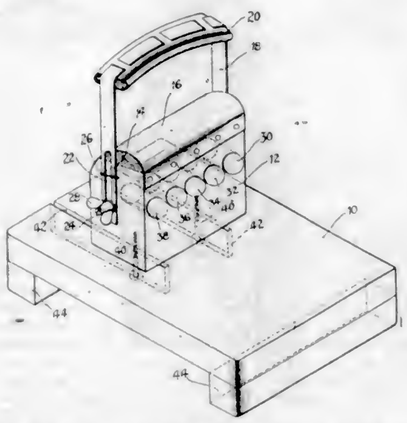
ferent chains connected to said segment for oscillating the same by alternate pulling on said chains, and thermostatic control mechanism operating to delay the circuit-breaking movement of the switch responsive to the manual actuation thereof.

1,581,234. PUMP PRESSURE GOVERNOR. JOHN A. SONS, Humble, Tex., assignor of one-half to Robert M. Layton, Harris County, Tex. Filed June 22, 1925. Serial No. 38,668. 7 Claims. (Cl. 103—16.)



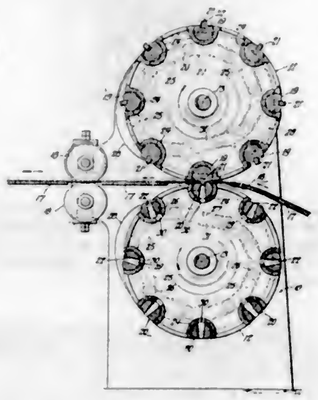
5. A governor including a cylinder, a pivotally mounted actuating lever associated therewith, a plunger in the cylinder adapted to actuate said lever, a pressure fluid inlet entering the cylinder, a floating plunger in the cylinder forming a movable septum which is spaced from the first named plunger and which is arranged between it and said inlet, thus forming a chamber between said plungers and a pressure gauge connected into said chamber.

1,581,235. FINGER-EXERCISING DEVICE. HENRY A. SOREL, Chicago, Ill. Filed Mar. 26, 1921. Serial No. 455,755. 2 Claims. (Cl. 272—67.)



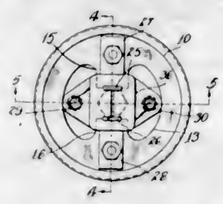
1. In an educational appliance, in combination, a block adapted to receive the palm of the hand of the operator, means for clamping the operator's hand in position on said block, said block having a series of holes along its front face to receive the ends of the fingers of the operator's hand.

1,581,236. APPARATUS FOR MAKING ROOFING UNITS. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois, a Corporation of Illinois, and Aksel K. Bodholdt, Evanston, Ill. Filed Feb. 20, 1922. Serial No. 537,913. 18 Claims. (Cl. 164—28.)



1. In apparatus of the class described, the combination of a pair of cooperating rotary punching dies for punching sheet material having their surfaces relatively inclined to provide for a shearing action during the punching operation, means for moving said sheet between said dies, and mechanism for arresting the rotation of one of said dies relative to said sheet during the punching operation.

1,581,237. TELEPHONE RECEIVER. MILTON H. SPIELMAN, Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 4, 1922. Serial No. 604,703. 8 Claims. (Cl. 179—117.)

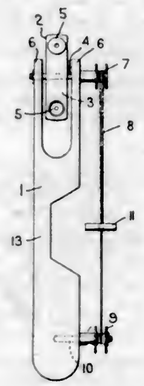


1. In a device of the class described, the combination with a casing, of a one-piece magnet positioned within the casing, said magnet having opposed pole projections, coils having the cores thereof shaped to rest on the pole pieces and to provide extensions thereof, means whereby the coils may be removably secured as a unit to the magnet, and contact means carried by the casing remote from the core connections for effecting an electrical circuit through the coils upon contact of the cores with said magnet.

1,581,238. MUSICAL TOY. JOHN A. STAHLE, Boston, Mass. Filed Jan. 21, 1925. Serial No. 3,712. 1 Claim. (Cl. 46—46.)

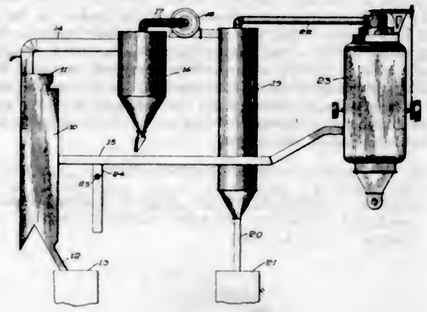
In a musical toy, the combination with a frame or holder, of a rotative noise-making element journalled in the frame, a pulley rigid with the noise-making member, a guide carried by the frame, a cord or belt passing

loosely around the pulley and guide, and a pull device secured to the cord, whereby the noise-making member may be rotated by drawing the pull device laterally to



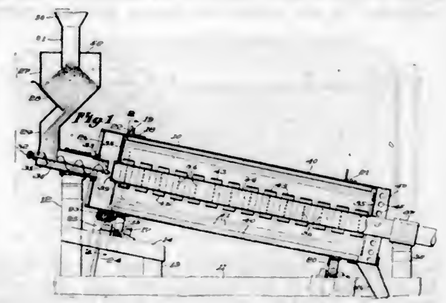
tighten the cord and then moving it away from the pulley, said cord when slackened permitting the noise-making member to rotate by its own momentum.

1,581,239. DUST-EXTRACTOR UNIT. ALBERT H. STEBBINS, Los Angeles, Calif. Filed July 15, 1922. Serial No. 575,324. 1 Claim. (Cl. 209—142.)



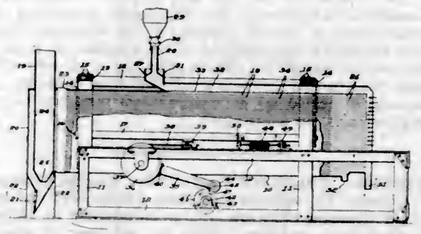
A dust extractor unit for separating and grading materials, comprising in combination, a series of separate closed dust extractors connected in an endless closed air-tight circuit and including, a dust extractor for subjecting the materials to the first treatment and consisting of an upstanding casing having a feed hopper at its upper end and constructed to pass a gaseous fluid thru the materials as they pass downwardly within the casing under the action of gravity, a fan for exhausting from said casing the dust laden gaseous fluid and for producing a flow of the gaseous fluid repeatedly thru the entire air tight dust extracting unit, a suction dust extractor interposed between the suction side of the fan and the first dust extractor for removing the heavier and coarser particles before they reach the fan, a blast dust extractor connected to the discharge side of the fan for removing the fine particles remaining in the gaseous fluid, and a dust extractor of the filter type interposed between the blast dust extractor and first mentioned dust extractor for removing the very fine dust before the gaseous fluid is returned to the first dust extractor.

1,581,240. PNEUMATIC CLASSIFIER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 14, 1925. Serial No. 23,076. 7 Claims. (Cl. 209—152.)



1. A pneumatic classifier, comprising in combination, a hollow cylindrical casing rotatably supported in an inclined position to promote travel of materials longitudinally of the casing, means for rotating the casing, means for delivering materials to be treated to the upper end of the casing, a suction tube supported within the casing and extending longitudinally thereof, a cylindrical screen mounted in the casing about said tube, in spaced relation to the tube and the inner cylindrical wall of the casing, and material lifting blades secured to the inner wall of the casing and constructed to pick up the materials as the casing rotates and deposit them upon the upper portion of the screen so that they will fall thru the screen toward the suction tube in a disseminated condition.

1,581,241. CLASSIFIER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 4, 1925. Serial No. 27,645. 10 Claims. (Cl. 209—135.)

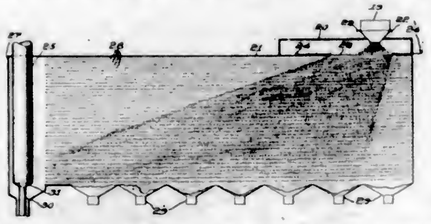


1. An air classifier for treating fine dust like materials, comprising in combination, a casing, a series of floors mounted within the casing one above the other in close proximity to each other to form air passages between them, means for producing air currents passing lengthwise of the casing through the air passages, means for delivering the materials to be treated to the entrance of the passages to be carried into the passages by the air so that the heavier particles will settle out of the air upon the floors of the passages while the finer particles that remain suspended in the air are carried entirely through the passages, and means for causing the heavier particles that settle upon the floors to slide out of the passages.

1,581,242. CLASSIFIER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed May 6, 1925. Serial No. 28,371. 11 Claims. (Cl. 209—135.)

1. An air classifier for treating fine dust like materials, comprising in combination, a casing, means for introducing the materials to be treated into the upper part

of the casing to pass downward therein, a multiplicity of screens mounted substantially horizontally within the screen one above the other and a fraction of an inch apart to form a large number of air chambers extending lengthwise of the casing, said screens having a mesh

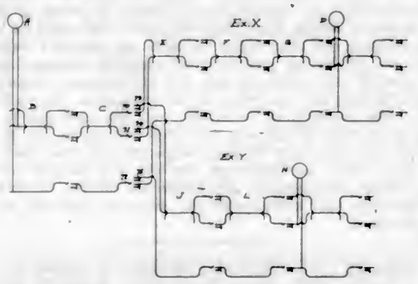


larger than the largest particles delivered into the casing for treatment that the materials may pass downward through the successive screens, and means for producing currents of air passing lengthwise of the casing between the screens to carry off the lighter particles.

1,581,243. HUMIDIFIER ATTACHMENT FOR HOT-AIR REGISTERS. CHARLES H. STOEBER, Rochester, N. Y. Filed May 18, 1925. Serial No. 31,009. 1 Claim. (Cl. 98—51.)

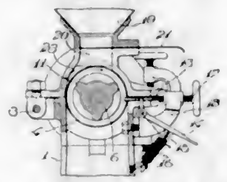
An attachment for hot air registers comprising a humidifier, and means for detachably supporting the same above a hot air register, a fan supported below the humidifier and adapted to be disposed in front of the hot air register for directing the heated air outwardly, said fan further providing an indicator whereby the amount of heated air entering a room from the hot air register may be ascertained.

1,581,244. TELEPHONE SYSTEM. SAMUEL SUEKOFF, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1919. Serial No. 322,780. 17 Claims. (Cl. 179—18.)



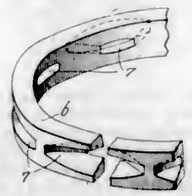
1. A telephone system including a subscriber's impulse-sending device for transmitting series of impulses, and automatic side-switchless switches responsive to said device, one of said automatic switches being provided with means for rendering ineffective one of said series of impulses of any number of impulses to maintain said one of said switches inert during the transmission of said one of said series of impulses and for operatively responding to another of said series of impulses to effect the operation of said one of said automatic switches.

1,581,245. MACHINE FOR CLEANING RICE AND THE LIKE. TOMONORI SUZUKI, Tokyo, Japan. Filed Aug. 1, 1923. Serial No. 655,122. 2 Claims. (Cl. 83—30.)



1. In a hulling machine of the character described including a frame, a cylinder supported by the frame composed of an arched screen supported in the top of the frame, a cover hinged to the frame and coacting with the screen, coacting flanges projecting from the outer edge of the cover and the adjacent portion of the frame, a feeding and hulling screw mounted within the cylinder, means for admitting and discharging material with respect to the cylinder, a scouring and rubbing plate slidably mounted between the flanges on the frame and cover and provided with a slot, an arm extending laterally from the frame provided at its outer end with an internally threaded bearing arranged in alignment with the flanges, a manually operable screw mounted in the bearing for controlling the adjustment of the plate, the flange on the frame being provided with a slot beneath the opening, a bell crank lever pivotally mounted on the lateral arm having one portion arranged through the slot and engaged with the aperture in the plate, and a spring arranged between the other end of the lever and the frame for yieldingly holding the plate in an adjusted position against the screw.

1,581,246. PISTON RING. CHARLES N. TEETOR, Hagerstown, Ind. Filed Jan. 11, 1926. Serial No. 80,552. 11 Claims. (Cl. 74—109.)

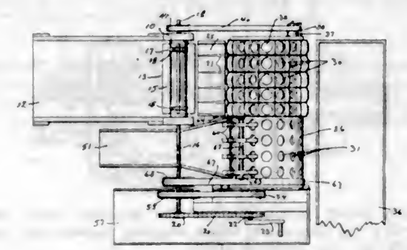


1. A piston ring having closely adjacent and disconnected elongated channels extending and distributed circumferentially of the ring and passing through the ring, the opposite long sides of each channel converging inwardly and the opposite ends of each channel also converging inwardly.

1,581,247. GRADING MACHINE. WION P. THOMAS, Carlton, N. Y. Filed July 18, 1925. Serial No. 44,592. 12 Claims. (Cl. 209—86.)

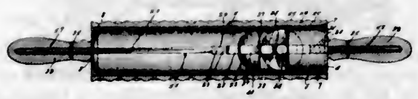
1. A grading machine comprising a cylinder having a portion of its surface formed with a plurality of apertures of one size and another portion of its surface formed with a plurality of apertures of a different size,

means for conducting fruit to the portion of the cylinder having the larger apertures, means for conducting the fruit which passes through the larger apertures to the



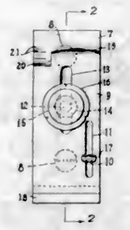
portion of the cylinder having the smaller apertures, means for elevating the fruit in the portion of the cylinder having the smaller apertures, and means for discharging the fruit from the cylinder.

1,581,248. MASSAGING DEVICE. RALPH S. THOMPSON, New York, N. Y. Filed June 18, 1925. Serial No. 38,005. 11 Claims. (Cl. 128—57.)



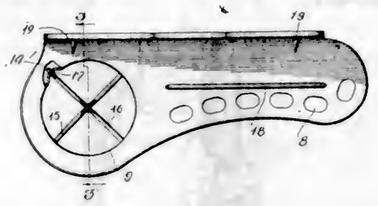
1. A massaging device for the purpose set forth comprising a revoluble traversing element provided with an uneven resilient working surface, and a vibration creating means arranged within operatively connected with and driven from said element on the revolving of the latter in a direction at right angles to the travel of said element.

1,581,249. LEVEL ATTACHMENT. LEVERETT W. TIFFANY, Winsted, Conn. Filed June 27, 1923. Serial No. 647,976. 2 Claims. (Cl. 33—207.)



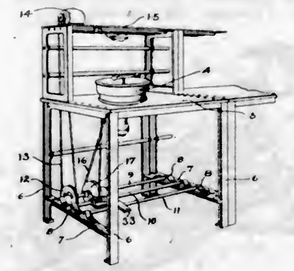
1. A level attachment, including a base, a plate beyond and movable over the outer face of said base, the upper corner of said plate being formed with a notch, said base being formed with a scale upon its outer face and adjacent its side edge, the graduations of said scale being visible within said notch, said plate being formed with a slot, a headed screw connected with said base and having its shank extending through said slot, and a split-washer encircling said shank and engaged by the inner edge of the screw head, the inner edge of said washer bearing against the outer face of said plate to retain the parts in applied position.

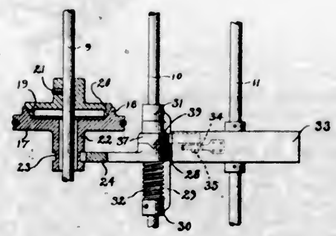
1,581,250. COMBINED TOOTHBRUSH, TOOTH PASTE, AND GLASS HOLDER. FREDERICK G. TREUBIG, Ozone Park, N. Y. Filed June 10, 1924. Serial No. 719,174. 2 Claims. (Cl. 248—20.)



2. In a bracket, a body having an aperture, a depending flange at the said aperture, said flange having apertures and concave seats in its inner surface, a glass supporting element comprising a strip of material with an approximately horizontally disposed portion under the aperture and with upwardly extending portions located in the seats of the flange and having angularly disposed ends extending through the apertures of the flange.

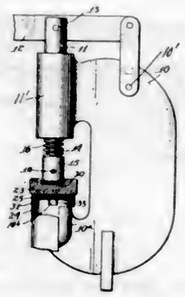
1,581,251. FOOT CLUTCH FOR LENS-SURFACING MACHINES. CHARLES J. TROPPMAN, Chicago, Ill., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Original application filed Apr. 7, 1923, Serial No. 630,471. Divided and this application filed Nov. 25, 1924. Serial No. 752,166. 4 Claims. (Cl. 192—93.)





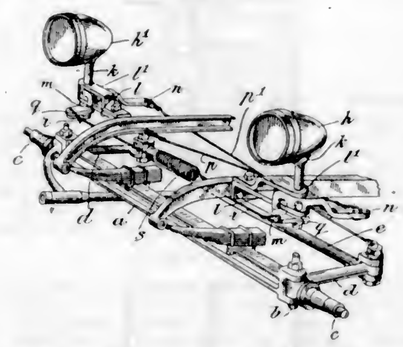
1. In a machine of the character described, a shaft, a cone faced clutch member secured to the shaft, an idler having a cone face slidably mounted on the shaft, a second shaft, an arm slidably mounted on the second shaft loosely engaging the idler, a lever having a cam face pivotally mounted on the second shaft, said cam face engaging the arm to move it longitudinally on the second shaft when the lever is rocked on its pivot, a third shaft and a pedal pivotally mounted on the third shaft and loosely engaging the lever to rock it on its pivot when the pedal is rocked on its pivot.

1,581,252. CARRIER TUBE. PHILLIP A. UDALL, New York, N. Y., assignor to G. & G. Atlas Systems, Inc., a Corporation of New York. Filed Dec. 24, 1923, Serial No. 682,402. Renewed Sept. 19, 1925. 2 Claims. (Cl. 243—39.)



1. A method connecting a resilient head portion provided with a recess having a rigid outer retaining ring located therein, to the body portion of a pneumatic carrier having an inner retaining ring at the end thereof, which consists in forcing the said outer rings towards the said inner ring and then securing said outer ring in position while the resilient material of the head remains compressed.

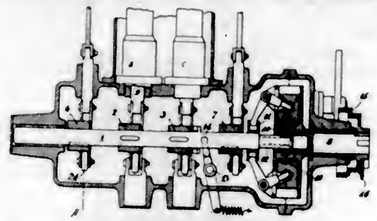
1,581,253. SWIVELING HEADLIGHT. WILLIAM HENRY WAKFER, South Norwood, England, assignor to The Correcta Light Company Limited, London, England, a British Company. Filed Jan. 19, 1925. Serial No. 3,396. 5 Claims. (Cl. 240—62.)



1. Swiveling lamp mechanism of the kind described for steerable vehicles comprising in combination swiveling lamp supports, lever arms on said supports, said arms being adapted for the free passage of transmission means, a resilient member situated in said transmission means and adapted for constantly maintaining said transmission means in tension, and abutments on said transmission means adapted for operatively engaging said arms, said transmission means being connected with the steering gear and adapted for bringing about the operation of one or other of the lamps during right hand or left hand steering substantially as set forth.

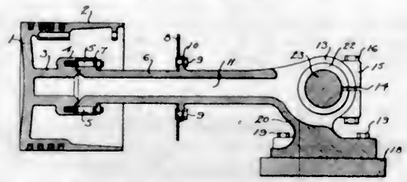
1,581,254. INTERNAL-COMBUSTION ENGINE. RUDOLF WALKER, Vienna, Austria. Filed Jan. 25, 1924. Serial No. 688,527. 5 Claims. (Cl. 123—140.)

1. In an internal combustion engine, a governor shaft, means supporting said shaft and preventing axial displacement thereof, a cam shaft, a governor adapted to displace the cam shaft axially, said cam shaft and governor shaft being arranged in line one behind the



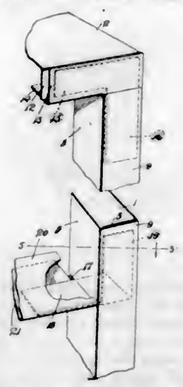
other, means independent of the governor shaft supporting the cam shaft, and a coupling between the cam shaft and the governor shaft.

1,581,255. PISTON-ROD CONSTRUCTION. ELMER A. WATTS, Springfield, Ohio, assignor to The Miller Improved Gas Engine Company, Springfield, Ohio, a Corporation of Ohio. Filed Oct. 13, 1924. Serial No. 743,431. 9 Claims. (Cl. 74—108.)



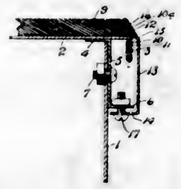
1. In an internal combustion engine, a detachable piston and piston rod the point of connection being within the piston skirt, said piston rod having a bifurcated outer end formed into parallel arms for supporting a shaft to which is connected a connecting link, outside of the skirt to prevent movement of the link within and touching the skirt to provide free access for the adjustment and disengagement of the link with the rod.

1,581,256. SHEET-METAL CASE CONSTRUCTION. PETER M. WEGE, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed July 24, 1922. Serial No. 576,942. 4 Claims. (Cl. 211—7.)



3. In a metal case construction, spaced apart parallel vertical sides, a top and a back of sheet metal, flanges turned inwardly at the front edges of the sides, angle shaped members permanently connected to the flanges and having parts extending to the rear into the case substantially paralleling the sides, supporting and reinforcing members having vertical parts connected to the rear sides of the flanges and formed with parts integral with said vertical parts extending horizontally inward from the sides of the case, and cross bars permanently secured at their ends to said horizontally extending parts, substantially as described.

1,581,257. DESK TOP. PETER M. WEGE, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 4, 1924. Serial No. 729,882. 8 Claims. (Cl. 45—31.)



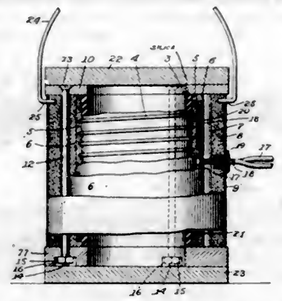
1. In a desk, a pedestal having vertical sheet metal walls, a top plate lying horizontally thereover, Z-bars located under the top plate having upper inwardly extending flanges secured to the under side of the said plate and the vertical webs lying outside of and against the walls of the pedestal, means detachably securing the said webs and pedestal walls together, said top plate at its edges being formed with down-turned flanges, an intermediate border members of sheet metal located at each side and end of the top plate and formed at its lower portion with an inwardly and upwardly turned leg, forming a U into which the said flange of the top plate enters, and at its upper end being formed with an outwardly and downwardly turned leg making a similar U-shaped construction, an outer border member of sheet metal located at each side and end of the top plate having a vertical portion received in said last mentioned U-shaped construction and formed at its lower portion with an inturned horizontal flange passing under and spaced a short distance from the lower outturned flange of the adjacent Z-bar, bolts passing through said Z-bar and outer border member flanges to draw them toward each other, and a linoleum wearing member located above said top plate having its edges surrounded by the upper portions of said intermediate border members, substantially as described.

1,581,258. PURIFICATION OF ALPHA-NITRO-NAPHTHALENE. HAROLD F. WHITTAKER, Carneys Point, N. J., and WALTER WOLLASTON, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 1, 1920. Serial No. 393,372. 3 Claims. (Cl. 260—142.)

1. The process of purifying crude alpha-nitro-naphthalene which comprises forming a solution of said crude alpha-nitro-naphthalene in about 10% of a solvent, based on the weight of said nitro-naphthalene, at a temperature of from about 50 to 55° C., cooling the solution with agitation to cause the alpha-nitro-paphthalene to form minute crystals, and separating the latter from the mother liquor.

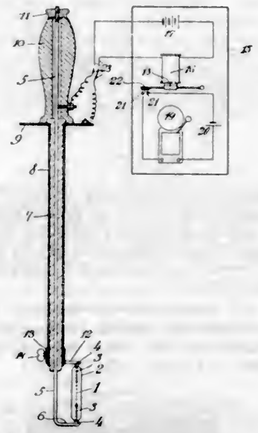
1,581,259. ELECTRIC HEATER. GEORGE A. WIECHERT, Howard Beach, and JESSE E. JUDD, New York, N. Y., assignors to Casting Research, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 29, 1923, Serial No. 615,529. Renewed Sept. 5, 1925. 6 Claims. (Cl. 219—35.)

1. An electric heater comprising a cylindrical member made of silica, a heating coil wound thereupon, a cylindrical member of plastic material enclosing said first mentioned cylindrical member and enveloping said heating coil, a cylindrical member of heat-insulating material enclosing said last mentioned cylindrical member and separated



therefrom by an air space of cylindrical form, and means for holding all of said cylindrical members together, in order to enable them to be handled as a unit.

1,581,260. SAFETY TEMPERATURE CONTROL. CHRISTIAN WILHJELM, Philadelphia, Pa. Filed Sept. 18, 1922. Serial No. 588,930. 1 Claim. (Cl. 200—142.)

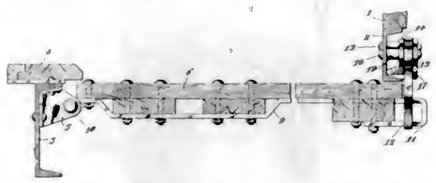


A device of the character described comprising a tool consisting of a relatively long tube of insulating material, an electrically conducting rod within the same having one end projecting beyond the end of said tube and bent at an angle thereto, a sleeve of electrically conducting material surrounding said tube, a ring of electrically conducting material slidably mounted on said sleeve, means for securing and adjusting the said ring on the said sleeve, said ring having a lug extending to one side thereof, a fuse element held between the bent end of the said rod and the said lug, a handle for said tool, and means for connecting said conducting rod and the said conducting sleeve to the terminals of an electric circuit.

1,581,261. CAR-DOOR-LOCKING MECHANISM. WILLIAM E. WINE, Toledo, Ohio. Original application filed June 23, 1921, Serial No. 479,723, now Patent No. 1,460,009, dated June 26, 1923. Divided and this application filed Dec. 20, 1922. Serial No. 607,965. 1 Claim. (Cl. 105—308.)

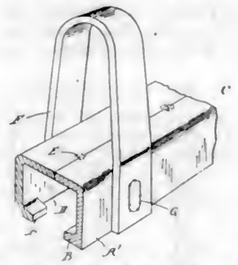
In a door device for railway cars, the combination with a car framing including side and center sills, the

former having an outwardly directed flange, of a door hingedly connected to said center sill, a portion of said door being adapted to underlie the flange of said side sill, a hook for holding said door in closed position, and a



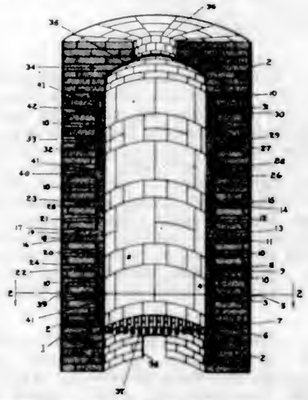
bracket member for pivotally supporting said hook, said member including a plate having an offset portion engaging the web of said sill thereby to space the plane of movement of said hook clear of said flange.

1,581,262. CHANNELED INSERT FOR CONCRETE CEILINGS. WILLIAM F. ZABRISKIE, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1923. Serial No. 627,863. 7 Claims. (Cl. 72—105.)



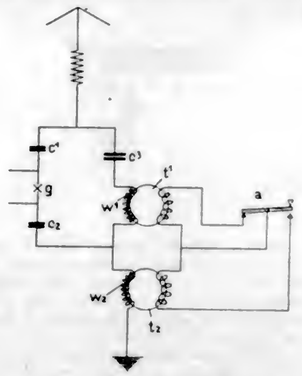
2. A channel insert comprising a pair of rolled channel bars, each having one of its flanges longer than the other, said bars being arranged oppositely with the edges of their longer flanges abutting and secured to each other, and anchor members connecting and embracing said bars and secured thereto.

1,581,263. FURNACE LINING. HIRAM NATHAN FREEMAN, Indianapolis, Ind. Filed May 19, 1924. Serial No. 714,350. 5 Claims. (Cl. 72—102.)



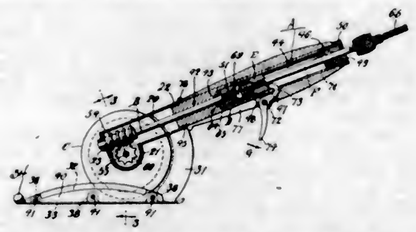
1. For wall linings, a T-shaped brick, the stem of which is adapted to serve as a coordinate brick of a conventional brick wall, the cross of said brick having its normally upper edge flush with the surface of said wall, the normally upper line of said cross being shorter than the normally lower line thereof, whereby adjoining bricks embracing ends of said cross, corresponding in shape thereto, serve to gib said cross to said wall.

1,581,264. RADIO SIGNALING SYSTEM. ROBERT HERZOG, Berlin, and LEO PUNGS, Berlin-Charlottenberg, Germany, assignors to C. Lorenz Aktiengesellschaft, Lorensweg-Berlin-Tempelhof, Germany. Filed Aug. 23, 1921. Serial No. 494,516. 6 Claims. (Cl. 250—19.)



1. A high frequency signal transmission system comprising in combination a generator of high frequency oscillations, a radiating circuit connected with said generator, an oscillatory circuit connecting with said generator in parallel relationship to said radiating circuit, a pair of independent transformers each having primary and secondary windings, with the primary winding of one transformer interposed in said oscillatory circuit and the primary winding of the other transformer interposed in said radiating circuit, said secondary windings being connected to have a common terminal and having connections to a keying circuit whereby said primary windings may be alternately made effective as high frequency chokes in accordance with the production of signals.

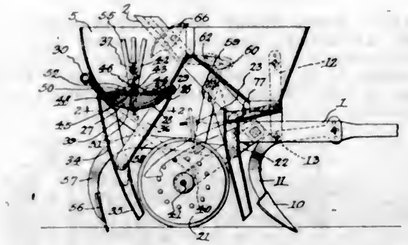
1,581,265. PORTABLE POWER CUTTER. JOHN HOLTZMAN, New York, N. Y. Filed Dec. 22, 1921. Serial No. 524,271. 4 Claims. (Cl. 164—76.)



1. In a cutter of the character described the combination of a shell, a sleeve with an axial guide opening also an enlarged opening and an opening in the wall of said enlarged opening, extending from the shell, an operating spindle in the shell extending through the guide opening of the sleeve, a clutch member in the enlarged opening of the shell and fastened to the operating spindle, ball bearings between the clutch member and a shoulder of said sleeve, a second clutch member in the shell, a spring bearing between the clutch members, a guide bushing for the enlarged opening of the sleeve, a driving shaft in the sleeve journaled in said bushing

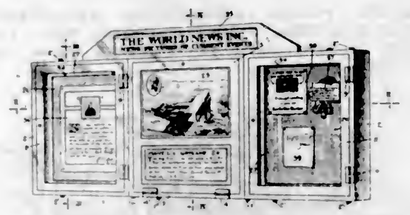
and fastened to the second clutch member, a handle with a longitudinal opening in the sleeve, lugs extending from the sleeve and extending into the opening of the handle, a latch pivoted to said lugs and having a hook end and a handle, the hook end engaging the second member of the clutch, means to turn the driving shaft, a worm fastened to the operating spindle in said shell, a shaft journaled in the shell, a worm wheel fastened to the shaft and meshing with said worm, a cutter blade bearing against said shell and fastened to said shaft, a bracket extending from said shell, a knife bracket extending from said bracket, a stationary cutter blade fastened to said knife guide bracket and spaced therefrom, the cutter blade extending into the space between the knife bracket and stationary cutter blade.

1,581,266. SEED PLANTER. STEPHEN A. HUNT, Cedartown, Ga. Filed June 16, 1924. Serial No. 720,344. 2 Claims. (Cl. 221—120.)



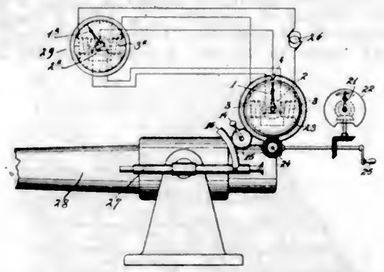
1. In a machine of the class described the combination with a hopper having a concave bottom provided with an outlet, of a filling block mounted snugly upon said bottom and provided with a flat upper surface, there being an aperture extending through the block and communicating with the outlet, guide means upon the block, a plate slidably engaging the guide means and having spaced openings for conducting material to the opening in the block, an agitator mounted for oscillation within the hopper, and a pivotal connection between the agitator and the plate.

1,581,267. CABINET. GEORGE P. HUTCHINS, New York, N. Y., assignor to Elliott Service Company, New York, N. Y., a Corporation of New York. Filed Aug. 4, 1923. Serial No. 655,605. 8 Claims. (Cl. 40—1.)



1. A combined bulletin board and display cabinet having aligned cupboard-sections, the central section being provided with a glazed drop door and with side supporting chains therefor anchored to the frame of the section, and the outer or flanking sections each having a side-hinged glazed door, a removable panel board in each of said sections, the panel board of the central section being located just behind the glass of its door and the panel boards of the outer sections being spaced rearward from the glass of their respective doors to provide room for the display of three-dimensional articles removably secured thereon.

1,581,268. MEANS FOR CORRECTING ERRORS IN GUN-TRAINING DEVICES. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 23, 1921. Serial No. 494,582. 2 Claims. (Cl. 177—35.)

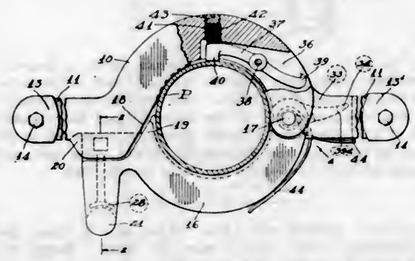


1. In an electrical system for the tele-control of sight-setting devices for guns in combination a transmitter, placed at a control station and adapted to be adjusted corresponding to the gun elevation-angle for the distance of a target, a receiver located near the gun having an indicating pointer, electrical connections between said transmitter and said receiver for operating said indicating pointer, a following pointer arranged at said receiver to follow the indicating pointer, a separate elevation angle adjusting device having a scale with angular graduation, means for transmitting the adjustment of said separate device to one of said pointers, a sight device and means for turning said following pointer to register with said indicating pointer and for setting simultaneously said sight device.

1,581,269. PROCESS OF TREATING METALS TO INHIBIT EXCESSIVE GRAIN GROWTH. GEORGE L. KELLEY, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1924. Serial No. 708,573. 5 Claims. (Cl. 148—13.)

4. The process which consists in preliminarily heating cold worked metal to and maintaining the same at a temperature below that required for annealing and then raising the temperature to said annealing point.

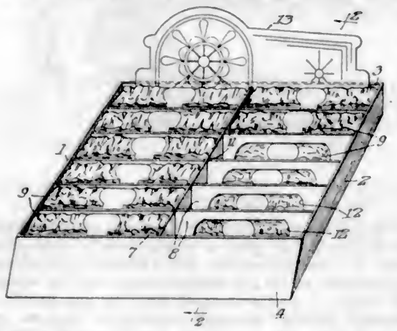
1,581,270. ELEVATOR. CLYDE KNISLEY, Huntington Beach, Calif. Filed Jan. 30, 1925. Serial No. 5,758. 5 Claims. (Cl. 294—90.)



1. An elevator for drill pipe and the like having a body and a swinging door, a trigger mounted upon said body, means associated with said door adapted to be engaged by said trigger upon swinging the door open, whereby said door may be temporarily maintained in open position by said trigger, and door closing means

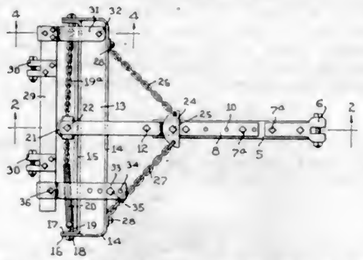
urging said door into closed position, said trigger being so arranged that contact with a pipe or similar object will release said door so as to be closed by said door closing means.

1,581,271. DISPLAY CARTON AND METHOD OF DISPLAYING ARTICLES THEREIN. ADAM J. KORFIST, Berwyn, Ill., assignor to A. Stein & Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1924. Serial No. 713,202. 4 Claims. (Cl. 206—44.)



1. In a display carton, the combination of a container and skeleton partitions dividing the interior of the container into a plurality of compartments arranged one in rear of the other on the same horizontal plane, said partitions comprising spaced portions arranged at opposite extremities of the compartments for separating the articles in each compartment from the articles in the adjoining compartment and having a space between each pair of spaced portions affording a side view of the articles in the compartments.

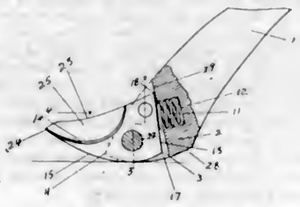
1,581,272. TRACTOR HITCH. EDWARD KUMMER, Junction City, Kans. Filed Feb. 23, 1924. Serial No. 694,733. 6 Claims. (Cl. 280—33.6.)



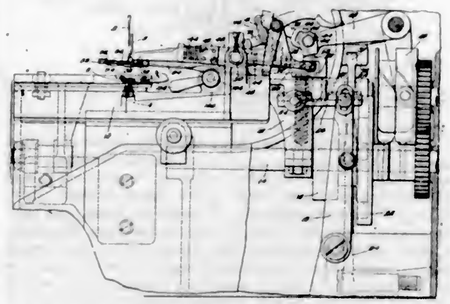
1. In a tractor hitch, a transverse beam, a drawbar, a resilient connection between the inner end of the drawbar and one end of the beam, a non-stretchable connection between the inner end of the drawbar and the opposite end of the beam, and a hitch pivotally connected to the beam at one end and adjustable at the other end, and means adapted to connect the beam to the load.

1,581,273. SPIKE PULLER. MARGARET E. LEE, San Francisco, Calif. Filed May 20, 1925. Serial No. 31,518. 3 Claims. (Cl. 254—24.)

2. A spike puller comprising two jaws adapted to cooperate in gripping a spike and resembling in side view the front end of a shoe, the jaws having recesses cut in opposite sides of the rear sections thereof so as to present sidewalls spreading upwardly from the bottom line and spreading forwardly and rearwardly from an intermediate point, a pintle extending through the jaws transversely at said point and a bar straddling the side walls with the end thereof so as to slant rearwardly and engaging with the pintle for effecting spreading and closing action of the jaws by slight rocking of the bar and engaging with the back for rocking the jaws with the bar when the latter is further depressed.

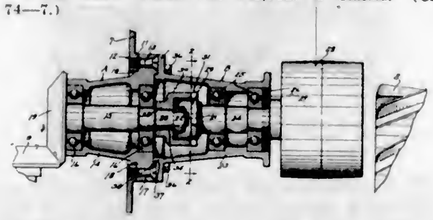


1,581,274. WORK CLAMP FOR BUTTONHOLE-SEWING MACHINES. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,183. 12 Claims. (Cl. 112—76.)



1. A work clamp comprising a clamp lever, mechanism for automatically actuating the lever to open and close the clamp, work engaging jaws carried by the lever, and mechanism for spreading the jaws mounted on the lever and operated from the lever actuating mechanism.

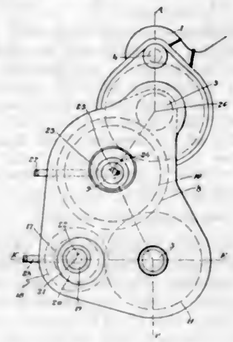
1,581,275. POWER-TRANSMITTING ATTACHMENT FOR TRACTORS. SYVER LIEN, Comfrey, Minn. Filed Oct. 16, 1924. Serial No. 743,963. 4 Claims. (Cl. 74—7.)



1. A power-transmitting attachment for tractors comprising an inner assembly and an outer assembly, the former of which has an inner shaft section and means for driving the same from a movable part of a tractor and the latter of which includes a housing adapted to be detachably secured to a tractor and an outer shaft section journaled in said housing, said two assemblies also including a pair of separable interlocking members rigidly secured one to each of said shaft sections and loosely

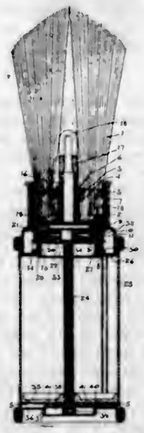
and detachably connecting the same whereby one of said members can rotate in wabble arrangement in respect to the other in case said shaft sections are out of alignment, said assemblies being arranged to remain intact when the housing is detached from a tractor.

1,581,276. REVERSIBLE TOOTHED GEARING FOR LOCOMOTIVES. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 3, 1922. Serial No. 579,549. 2 Claims. (Cl. 74—58.)



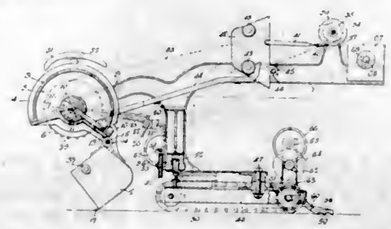
1. In a reversible gearing for locomotives in combination, a driving shaft, a driven shaft and an intermediate shaft, a pair of eccentrically mounted additional intermediate shafts, pairs of spiral cut gears on each of said shafts and arranged to mesh with correspondingly cut gears on the adjacent shafts, means for moving one of the eccentrically mounted shafts radially to establish a forward motion and a three stage reduction, means for moving the other eccentrically mounted intermediate shaft subsequent to disengaging of the first mentioned eccentrically mounted shaft from one of the first mentioned shafts so that the second mentioned eccentric shaft will engage the first mentioned eccentrically mounted shaft and the shaft from which the first eccentrically mounted shaft has previously been disengaged to effect reversible movement of the gearing.

1,581,277. DISPENSING DEVICE. FRANK MCLAUGHLIN, Toronto, Ontario, Canada. Filed Sept. 2, 1922. Serial No. 585,987. 7 Claims. (Cl. 221—79.)



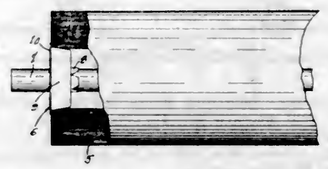
1. In a dispenser, a container having an inwardly projecting rim at the open end, a perforate head mounted on the open end of the container, and rotatably engaging said rim and means within the container cooperating with the head to dispense the contents of the container through the head and with the contents holding the head in operative engagement with the rim of the container.

1,581,278. EXCAVATOR. HENRY MCDERMOTT, Milwaukee, Wis., assignor to McDermott Mechanical Co., Iron River, Mich., a Corporation of Michigan. Filed June 5, 1924. Serial No. 717,993. 12 Claims. (Cl. 214—90.)



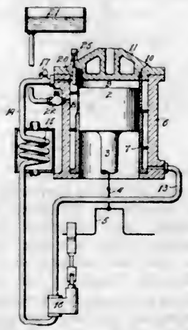
1. In an excavator, in combination, a frame, an actuator rotatably mounted in said frame, a bucket pivotally connected directly to said actuator, and means to effect rotation of said actuator.

1,581,279. PLUG FOR ROLLS OF PAPER AND THE LIKE. GILBERT E. MARVIN and JOSEPH WIPFLI, Nekoosa, Wis. Filed May 31, 1924. Serial No. 717,081. 1 Claim. (Cl. 242—68.)



A plug for paper rolls and the like formed of a single metal sheet comprising a cylindrical portion formed from the central part of the sheet, a flange portion adapted to engage the end of the roll and an intermediate conical portion, said flange and conical portions being formed by folding the metal.

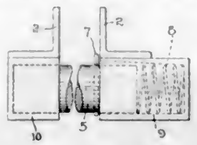
1,581,280. JACKETING INTERNAL-COMBUSTION ENGINES. WILHELM MAUSS, Durban, Natal, South Africa. Filed Oct. 23, 1924. Serial No. 745,476. 8 Claims. (Cl. 123—173.)



3. The method which consists in maintaining substantially equal pressure between the working fluid of an internal combustion engine and the liquid jacketing the cylinder of the engine whilst maintaining such fluids

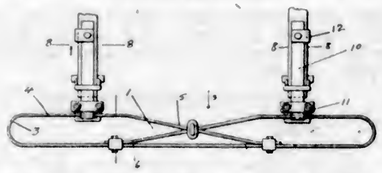
separate from one another, circulating the liquid and cooling the same externally of the jacket and supplying fresh liquid to the system at a pressure slightly greater than the normal low working pressure of the working fluid.

1,581,281. GRATING SUPPORT. WILLIAM HINCKLEY MITCHELL, Nutley, N. J., and ALEXANDER BONNELL TAPPEN, Briarcliff Manor, N. Y. Filed Aug. 30, 1924. Serial No. 735,102. 3 Claims. (Cl. 94—30.)



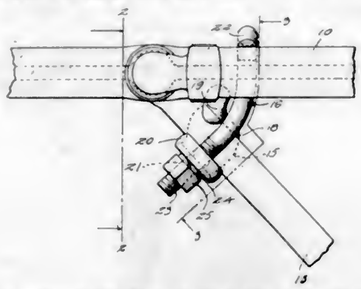
1. In a grating support, the combination of a grating, a plurality of sockets in an adjacent wall below the surface of the grating, a bar below the grating detachably inserted in the socket and means for locking the bar in the sockets.

1,581,282. AUTOMOBILE BUMPER. ALEXANDER MICHAEL MULLER, Oakland, Calif. Filed June 8, 1925. Serial No. 35,524. 7 Claims. (Cl. 293—55.)



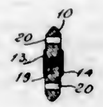
1. A bumper comprising in combination a single band of metal bent at each side in reverse bends to form a front section and rear clamping sections, the ends of the band being crossed over each other and brought into contact with the front section.

1,581,283. RADIUS-ROD CLAMP. ROY L. NAUGLE, Blackstone, Va. Filed May 16, 1925. Serial No. 30,819. 4 Claims. (Cl. 267—66.)



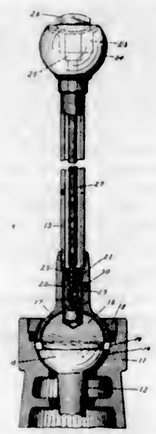
1. In combination with an axle and a radius rod secured to the axle and diverging therefrom, the axle having forwardly and rearwardly extending flanges, a member embodying spaced arms receiving therebetween the radius rod and having upon that arm arranged in the angle between the axle and radius rod a hook engaging the rearwardly directed flange of the axle and means engaging the other arm of the member with one end and the axle with its opposite end for wedging the first named arm against the flange of the axle and deforming the last named arm to cause the same to overlie the radius rod and approach the first named arm so that the distance therebetween is less than the diameter of the radius rod.

1,581,284. METHOD AND CONSTRUCTION OF FUSING ELECTRICAL SOCKETS. JAMES G. NOLEN, New York, N. Y. Filed June 13, 1923. Serial No. 645,165. 2 Claims. (Cl. 200—130.)



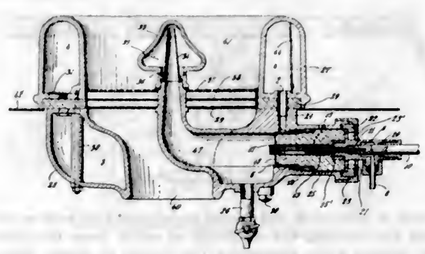
1. A fuse of the class described comprising, a one-piece disk like body portion of non-fusible dielectric material having a threaded edge portion and having a recess in each face thereof and having holes for engagement of a tool therewith; contact members having flanged portions, a contact member being secured to each of the outer faces of the body portion by engagement of its flanged portion with a said recess of the body portion; and a current conducting coil arranged in said disk and operatively connecting the contact members.

1,581,285. LOCK FOR GEAR-SHIFT LEVERS AND THE LIKE. HARRY PAGE, East Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 19, 1919. Serial No. 345,998. 1 Claim. (Cl. 70—128.)



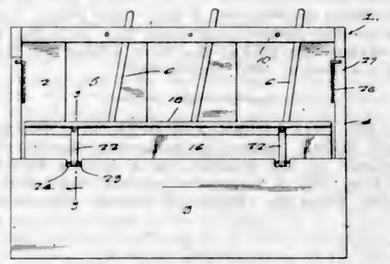
In a device of the character described, a bracket having a spherical socket, a gear shifting member having a lower spherical portion seated in the socket, and an upper reduced spherical portion projecting therefrom, a manually engageable lever having at its lower end a shell-like portion to fit over the reduced spherical portion of the gear fitting member, and a relatively large longitudinal passageway communicating with said shell-like portion, the upper end of said lever being hollow and its bore communicating with said passageway, a bolt mounted in said passageway having a slot in the side thereof, a pin passing through the lever and being seated in said slot to prevent rotation of the bolt, said bolt having a threaded socket in its upper end, a key controlled rotatable rod mounted in the upper end of the lever and having at its lower end a threaded portion to enter said threaded socket and thereby move said bolt longitudinally of the lever, and the reduced spherical portion of the gear shifting member having a socket to receive said bolt to connect the gear shifting member to the manually engageable lever.

1,581,286. HYDROCARBON BURNER. HARRY WILSON PARKER, Brooklyn, N. Y. Filed May 27, 1924. Serial No. 716,158. 5 Claims. (Cl. 158—56.)



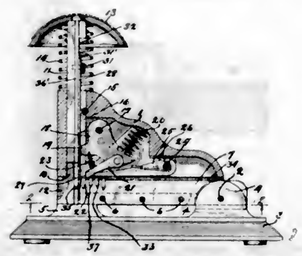
5. In a hydrocarbon burner, a combustion chamber, a hollow wall forming a wet steam chamber and a steam superheating chamber thereabove, an air passage of substantially the same diameter as said combustion chamber therebelow, a centrally located means to supply superheated gas to the base of the combustion chamber, a large mixing chamber having a passage leading to the said supply means and extended laterally from said passage, and oil and steam nozzles communicating with the said mixing chamber, the said nozzles being located at the extended side of the mixing chamber and comprising a central oil outlet and a surrounding plurality of steam outlets tangentially disposed whereby the oil and steam are mixed with a rotary motion as they enter the mixing chamber.

1,581,287. COMBINED MANGER AND TROUGH. JOHN M. PARKER, Goodman, Mo. Filed Dec. 19, 1925. Serial No. 76,482. 3 Claims. (Cl. 119—51.)



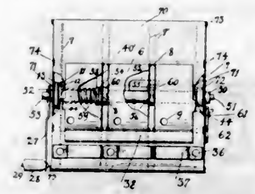
1. In combination, a manger including front, rear, and end walls, the front wall being provided with openings through which the heads of the animals extend, stanchions cooperating with the openings, the rear wall being of a shorter height than the front wall, a feed trough, a pair of arms secured to the under side of the trough, the rear ends of the arms being pivotally associated with the inner side of the rear wall of the manger, the forward ends of the arms projecting beyond the forward side of the trough, and stops arranged on the inner side of the front wall of the manger, and cooperating with the forward ends of the said arms for supporting the trough in a horizontal position when the latter is swung inwardly in the manger.

1,581,288. STAPLING MACHINE. FRIDOLIN POLZER, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Mar. 17, 1923. Serial No. 625,738. 8 Claims. (Cl. 1—2.3.)



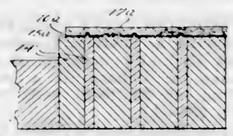
1. A stapling machine comprising a housing, a plunger, a staple-straightening member adjacent said plunger slidably mounted in said housing, and means for effecting movement of the staple-straightening means throughout the travel of the plunger but at a different rate of speed during a portion of the travel of the plunger.

1,581,289. CLOTHESLINE APPLIANCE. FRED F. PRIHODA, Long Island City, N. Y. Filed July 27, 1925. Serial No. 46,353. 4 Claims. (Cl. 242—102.)



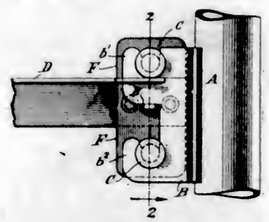
1. Clothes line appliance comprising a cylindrical casing, side plates mounted thereto, said side plates having center bearing, an axle projecting through the said bearings, three reels for cord loosely mounted on said axle, means whereby the first reel may be rotated and the axle slidably connected thereto, said axle being capable of moving longitudinally within the casing, the said axle having connecting arm rigidly secured in the center thereof and operating within the drum of the center reel, whereby the center and third reel may be connected with the first reel, and a crank mounted to the axle to rotate the axle and the reels respectively when the cord is being wound up.

1,581,290. METHOD OF FORMING STEREOTYPES. JAMES ROSENBERG, Cleveland, Ohio. Filed Feb. 5, 1923. Serial No. 616,941. 17 Claims. (Cl. 41—25.)



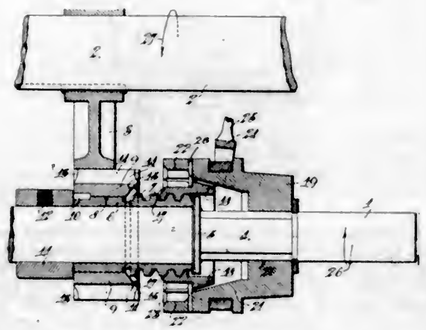
1. The method of producing printing plates which includes the step of forming metal shells by backing a sheet of metallic foil and a superposed sheet of solder foil with a cushioning means and pressing the foil into intimate contact with the surfaces of an original form.

1,581,291. BEDSTEAD CORNER. ERNEST L. ROSENBURGH, Rome, N. Y., assignor to Rome Metallic Bedstead Company, Rome, N. Y., a Corporation of New York. Filed Dec. 31, 1919. Serial No. 348,626. 6 Claims. (Cl. 5—294.)



1. A bedstead corner comprising a side rail, a post provided with upturned hooks projecting therefrom, said hooks having laterally offset ends, and complemental studs for said hooks carried by said side rail, said studs having means whereby a straightening tension is applied to the offset ends of the hooks when the latter are engaged with said studs.

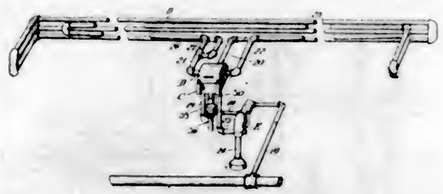
1,581,292. POWER-TRANSMISSION MECHANISM. HARRY BEAUREGARD ROSS, Denver, Colo. Filed Apr. 8, 1925. Serial No. 21,639. 7 Claims. (Cl. 192—53.)



3. In power transmitting mechanism wherein is provided a driving shaft and a driven shaft, meshed gears on said shafts one being fixed and the other loose; a shiftable clutch element having toothed recesses to receive the teeth of said loose gear when moved into engagement therewith, means associated with said clutch element and with said loose gear to bring them to approximately the same speed of rotation before engaging the clutch element and gear, said means including friction surfaces cooperating with a steep lead screw.

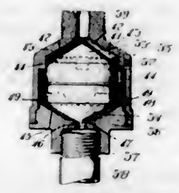
1,581,293. CONTROLLING VALVE FOR CAR-HEATING SYSTEMS. EDWARD A. RUSSELL, Chicago, and PAUL B. PARKS, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed July 28, 1923. Serial No. 654,452. 3 Claims. (Cl. 237—6.)

1. In a railway car steam heating system, the combination of a radiator having an inlet and two outlets, one at the return end of the radiator and the other at a point intermediate the inlet and return ends thereof, a steam train pipe, a pressure reducing vapor regulator comprising a thermostat and thermostat chamber, a controlling valve comprising a valve body and a casing divided to form chambers connected severally with the radiator inlet, its two outlets, the train pipe and the thermostat chamber of the vapor regulator, a water duct leading from the chamber with which said intermediate radiator



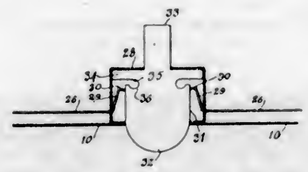
outlet is connected, and means associated with said water duct for allowing the discharge of water from the heating system while preventing the escape of steam therefrom.

1,581,294. FLOAT TRAP. EDWARD A. RUSSELL, Chicago, and PAUL B. PARKS, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed July 28, 1923, Serial No. 654,452. Divided and this application filed Apr. 9, 1925. Serial No. 21,810. 2 Claims. (Cl. 137—103.)



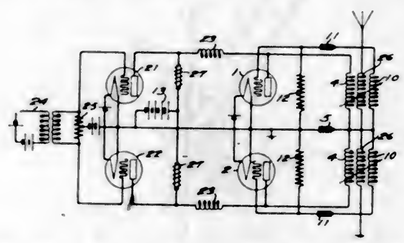
1. A float valve device comprising a valve chamber having an inlet opening in the top and a discharge opening in the bottom, the top and bottom being conical, and the under surface of the top formed with substantially radial grooves, and a float valve having conical ends in said chamber, and guide lugs projecting into the chamber for guiding the valve without interfering with the flow of fluid therearound.

1,581,295. MECHANISM FOR OPENING AND CLOSING DOORS. HARRY H. SCHAEFFER, Dayton, Ohio, assignor to The Schieble Toy & Novelty Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 13, 1924. Serial No. 743,229. 10 Claims. (Cl. 46—48.)



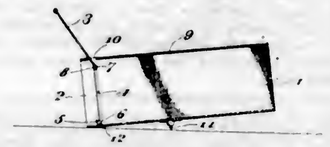
1. In a vehicle having a door opening, a door therefor, a door opening member adapted to actuate said door to its open or closed positions and to lock it in either of said positions, said mechanism consisting of a door and door operating lever, a locking head, a door operating plate having a slot therein to accommodate the locking head and lever, and an interlocking finger adapted to engage with said lever to unlock the door.

1,581,296. MODULATING CARRIER WAVES. JAMES W. SCHMIED, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1922. Serial No. 584,412. 6 Claims. (Cl. 250—17.)



2. A radio transmission system comprising two electrically symmetrical circuits, each comprising a modulator tube and a high frequency tube, a speech frequency circuit oppositely coupled to said modulator tubes to vary the impedance thereof, and means for coupling the high frequency tubes oppositely to an antenna circuit.

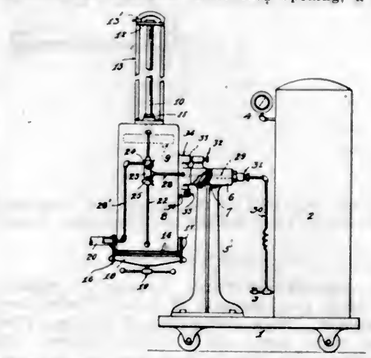
1,581,297. MOUSETRAP. NICOLAI HEINRICH SCHMUCK, Hamburg, Germany. Filed Jan. 12, 1925. Serial No. 1,734. 3 Claims. (Cl. 43—60.)



2. A mouse trap comprising a box-like structure open at one end, the opposite sides of which are provided near the open end thereof with transversely extending slots, the lower ends of said slots terminating in forwardly extending hook-shaped portions adjacent the lower edges of said sides and the upper ends thereof terminating near the upper edges of said sides, and the top of said structure being provided with a rectangular opening near the front end thereof and in part forwardly of the plane of the said slots, a door having slidable connection at its lower end with the slots in the sides of the said structure, which door extends upwardly through the said rectangular opening, and a fulcrum support secured to the underside of the bottom of the said box-like structure at a point intermediate the ends thereof, the weight of the portion of the said box-like structure between the said fulcrum support and the open end thereof and the said door when the latter is in open position operating to hold the said box-like structure with its open end in depressed position, and the said door being adapted to move automatically into closed position and to be retained in such position by said forwardly extending hook-shaped portions of said slots upon a depression of the rear closed end of the said box-like structure.

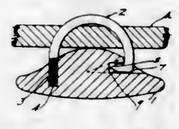
1,581,298. GREASE PUMP. JOSEPH G. SCHOTTHOEFER, Peoria, Ill. Filed Dec. 15, 1923. Serial No. 680,926. 5 Claims. (Cl. 221—102.)

1. An apparatus of the class described including a container for a substance adapted to flow under pressure, the same having an outlet for such substance, and also having an open end, a closure for said open end, a support upon which the container is swiveled whereby it may swing end for end, a member in said container adapted to force the substance from said opening, a source of



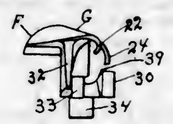
air pressure, pipe connections for conveying air to either end of the container, and means for separately directing air to either of said ends.

1,581,299. BUTTON. YAICHIRO SHIBA, San Jose, Calif. Filed Nov. 24, 1925. Serial No. 71,061. 6 Claims. (Cl. 24—90.)



1. A button and a hook member, one end of which is rotatably mounted upon the button and the other end of which is movable over the rear face of the button, said button having a depression into which the free end of the hook member is adapted to extend, said hook member being of resilient material and placed under tension when engaged with the button.

1,581,300. SIDE OVERLAP SHUTTLE. FRANK H. STETSON, Methuen, Mass., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I., a Corporation of Rhode Island. Filed May 17, 1922. Serial No. 561,626. 6 Claims. (Cl. 139—223.)

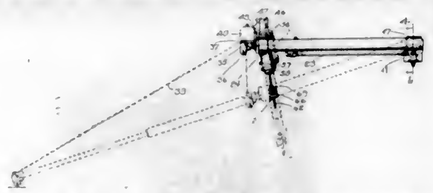


6. A shuttle threader having a longitudinal threading chamber and a thread directing guide plate which extends down and out from the top into such threading chamber, a thread retaining guide finger which extends from and under the back part of the thread directing guide plate into a recess cut in the side wall of the shuttle between the front and back walls of such recess.

1,581,301. EMERGENCY BUMPER FOR VEHICLES. FREDERICK R. L. STOTT and WILLIAM E. ARTHUR TODD, Hamilton, Ontario, Canada, assignors of forty one-hundredths to Oscar W. Haist, Hamilton, Canada, forty one-hundredths to said Stott, and twenty one-hundredths to said Todd. Filed Aug. 16, 1924. Serial No. 732,463. 12 Claims. (Cl. 293—26.)

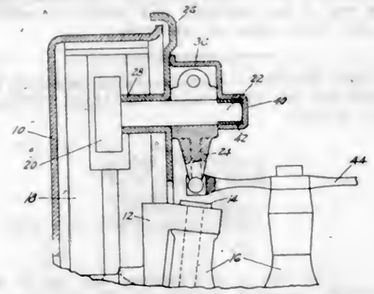
2. In a vehicle fender, an apron, a roller upon which said apron is normally wound, pneumatic cylinders

pivoted at their rear ends to swing in vertical arcs, and provided with pistons and rods, said rods being con-



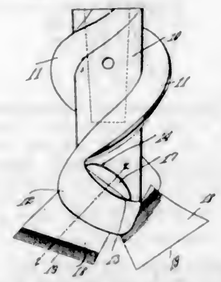
nected to the free edge of the apron, and pneumatic means for raising and lowering the front ends of said cylinders.

1,581,302. BRAKE CONTROL. GEORGE J. THOMAS, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed June 15, 1925. Serial No. 37,117. 10 Claims. (Cl. 188—194.)



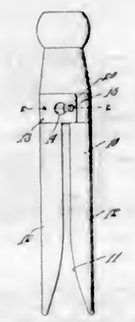
5. A brake comprising, in combination, a drum, a stationary support at the open side of the drum, friction means engageable with the drum and including an operating device and a shaft therefor having a bearing in the support, a member secured to the support and extending across the end of the shaft and having a socket receiving and supporting the end of the shaft, and an operating arm on the shaft between the support and said member.

1,581,303. AUGER HEAD. JOHN UNDERATION, Albia, Iowa. Filed Aug. 17, 1925. Serial No. 50,752. 3 Claims. (Cl. 255—61.)



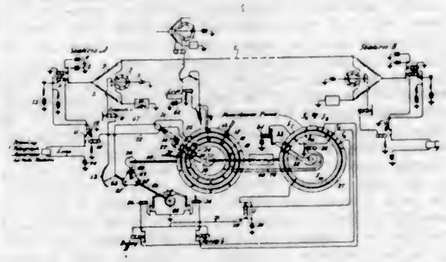
1. An auger including a shank having sockets in one end, the wider walls of said sockets converging inwardly, a plate removably seated in the socket and having a flange, and a bit blade having its shank seated on the plate and engaged against said flange, the exposed wider faces of the plate and bit blade wedgingly cooperating with the said wider walls of the socket.

1,581,304. CLOTHESPIN. JOSEPH UNDERATION, Hocking, Iowa. Filed Sept. 10, 1925. Serial No. 55,532. 1 Claim. (Cl. 24—138.)



The combination with a kerfed clothes pin, of a device for preventing splitting of the pin comprising a band engaged around the body of the pin adjacent the kerf thereof, the band having an opening in one end, and a second opening between the said end and said first opening a tongue in the other end of the band directed toward the first end thereof and engaged through said first opening and extending toward the first opening said tongue having an opening registering with the second-named opening of the band, and a fastening means engaged through the opening of the tongue and the second-named opening of the band and into the body of the clothes pin.

1,581,305. ELECTRICAL CONTROLLING SYSTEM. EDWARD F. WATSON, Larchmont, and ARTHUR E. HUNT, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,902. 9 Claims. (Cl. 178—2.)

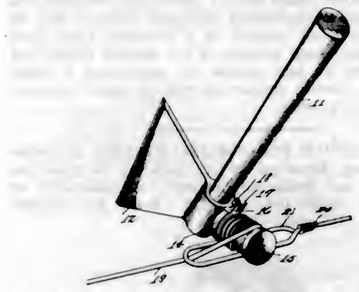


1. In a system for compensating for bias of telegraph signals consisting of a lengthening or shortening of an impulse, the combination with a line of terminal circuits having printing telegraph apparatus connected therewith and means to automatically adjust the said terminal circuits to compensate for bias of the signals.

1,581,306. WIRE-FENCE TOOL. EDGAR L. YELTON, Claude, Tex. Filed Apr. 26, 1923. Serial No. 634,775. 1 Claim. (Cl. 140—123.5.)

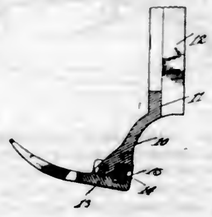
As an article of manufacture, a wire splicing tool comprising a cylindrical body having terminal peripheral

flanges and a tubular eye extending at right angles to one end of the body, outwardly diverging jaws on the periph-



eral face of one of the said flanges, the said jaws extending at right angles to the said body and beyond one end of said eye.

1,581,307. PRESSER FOOT. JACOB BALIZER and RUDOLPH A. SCHRANZ, New York, N. Y. Filed Nov. 6, 1925. Serial No. 67,330. 1 Claim. (Cl. 112—235.)



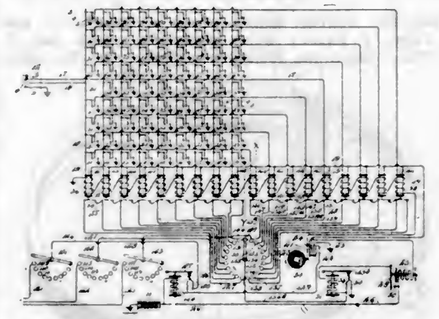
A presser foot for a sewing machine comprising a shank having a reduced lower end and the lower face of said end inclined downwardly and forwardly thereof, the higher portion of said inclined face having a recess, a foot member having a bifurcated forward end and a channeled rear end receiving said reduced end of the shank in the channel thereof, a pivot disposed through the walls of the channel and the reduced end of the shank, the bottom wall of the said channel having a recess located directly below the first recess, and a coil spring having its ends seated within said recesses whereby to normally and yieldably maintain the heel of the foot member in lowered position and the toe portion thereof in elevated position, the lower portion of the said inclined face of the shank contacting with the foot member to limit the upward pivotal movement of the toe portion of said foot member.

1,581,308. ARTIFICIAL SHINGLE. SIMEON BUSH CHRISTY, Murfreesboro, Tenn., OTTO M. LONG, Bowling Green, and FRED RICHARDSON BRENTS, Louisville, Ky. Filed Apr. 27, 1923. Serial No. 635,076. 1 Claim. (Cl. 108—8.)

A shingle comprising a sheet of 6 parts natural rock asphalt and 2 parts Portland cement.

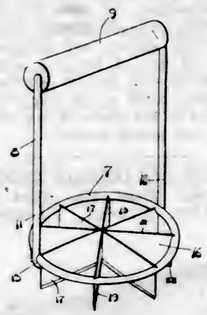
1,581,309. AUTOMATIC TELEPHONE SYSTEM. JOHN ERICKSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 13, 1905. Serial No. 249,709. 129 Claims. (Cl. 179—18.)

1. A normally at rest switching apparatus comprising a plurality of switches, each provided with step-by-step propelling mechanism, and a switch-operating device common to all of said switches, together with automatic means for electrically connecting the said device with and disconnecting it from the said step-by-step mechanism, said device normally connected with one of said switches,



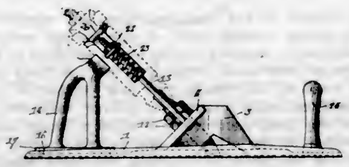
whereby said device may be used for operating any one of said switches without interfering with its subsequent use for operating other switches while the said operated switch remains in use.

1,581,310. FOOD CUTTER. LOUIS W. FETSCHAN, Cincinnati, Ohio. Filed Mar. 20, 1925. Serial No. 17,135. 1 Claim. (Cl. 146—209.)



A food cutter consisting of a ring with blade spaced apart depressions cut into the inner face thereof, a series of blades located in radially spaced relation within the ring, said blades being suitably notched at their outer upper ends to fit the depressions within the ring, and a handle extending from the ring.

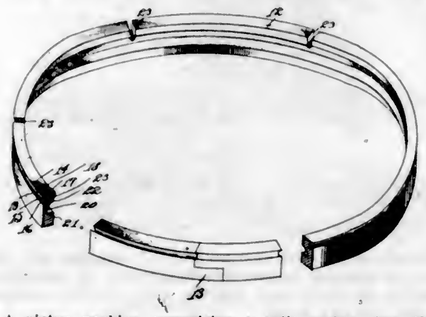
1,581,311. STONE PLANE. RAAL FRENETTE, Rosemount, Quebec, Canada, assignor of one-half to Wilfrid Lemoine, Montreal, Canada. Filed May 7, 1925. Serial No. 28,739. 6 Claims. (Cl. 125—38.)



1. A stone plane comprising a sole having a mouth therein, a stock, a cutter mounted in said stock and passing through said mouth, a pair of inclined rods extending upwardly and rearwardly from said stock, a

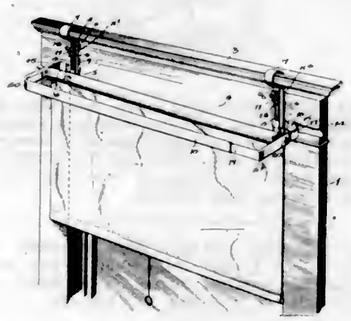
spring follower mounted on said rods, a plate supported by the sole and adapted to port a pneumatic hammer in alinement with said cutter, said follower being disposed over said plate.

1,581,312. PISTON RING. JULES A. FRYOUX, Jr., and FRANK J. FRYOUX, Baton Rouge, La. Filed Aug. 8, 1924. Serial No. 730,983. 1 Claim. (Cl. 74—109.)



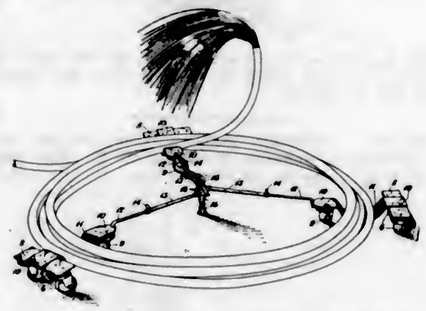
A piston packing comprising a split spring ring, the convex wall of the ring being peripherally grooved adjacent one end thereof with the walls of said groove converging obliquely of the longitudinal axis of the ring and away from said end, the concave face of the ring being peripherally grooved in staggered relation to the first groove and intermediate the ends thereof, said second groove having walls arranged at right angles to the axis of the ring, parallel thereto, and obliquely thereto, respectively, the end face of the ring adjacent the first groove having transverse grooves opening through the concave and convex faces of the ring and having their top walls inclined in the plane of one wall of the first groove and into the second groove.

1,581,313. SHADE AND CURTAIN BRACKET. ARTHUR JACKSON GANNON, Miami, Fla. Filed Jan. 10, 1922. Serial No. 528,329. 2 Claims. (Cl. 156—24.)



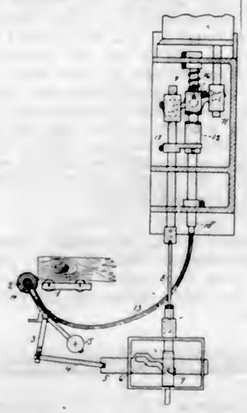
1. A device of the character described comprising a pair of spring clamps, each of said clamps comprising two cooperative members having shank portions in sliding engagement with each other and jaw portions at the remote ends of the shanks, the jaw portion of one of said members being adapted to engage with the lower edge of the head member of a window frame and the jaw portion of the other of said members being bowed laterally of the plane of its shank and being adapted to be hooked upon the window frame head member to engage at its extremity with the upper edge of said head member and means for adjustably securing said shanks together to place said second named jaw member under tension when the clamp is engaged with the window frame head member, the jaw portion of said second named clamping member extending along an arc of a circle of greater extent than a semi-circle, whereby the shank of said second-named clamping member will be inclined downwardly slightly in a direction away from the face of said head member of the window frame, and means carried by said clamps for supporting a shade roller and a curtain supporting pole in spaced parallel relation to each other.

1,581,314. DEVICE FOR COILING CABLES. CLIFFORD M. HERBERT, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 30, 1924. Serial No. 746,900. 4 Claims. (Cl. 242—1.)



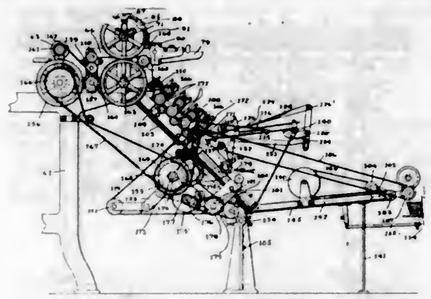
1. A device for coiling cable comprising a plurality of saddle members, rollers for each of said members, means centrally positioned with respect to said saddle members, and slidingly adjustable arms extending radially from and connecting said means with said saddle members.

1,581,315. AUTOMATIC MEASURING APPARATUS FOR SAWMILLS. KARL OSKAR ADOLF JOHANSSON, Stockholm, Sweden. Filed May 16, 1924. Serial No. 713,836. 4 Claims. (Cl. 33—142.)



1. An automatic measuring and recording device for saw mills and the like comprising a rotary member adapted for engagement by the moving lumber, a shaft connected to the rotary member for rotation therewith and adapted for attachment to a length-recording device, a rod adapted for connection to a number-recording device, and an operative connection between said rod and rotary member, adapted for actuation upon shifting of the rotary member due to the pressure of a moving log thereon.

1,581,316. ENVELOPE MACHINE. TIMOTHY WILLIAM KIENAST, Brooklyn, N. Y., assignor to Henry Trenchard, jr., Brooklyn, N. Y. Filed Oct. 31, 1921, Serial No. 511,822. Renewed Sept. 18, 1925. 29 Claims. (Cl. 93—61.)

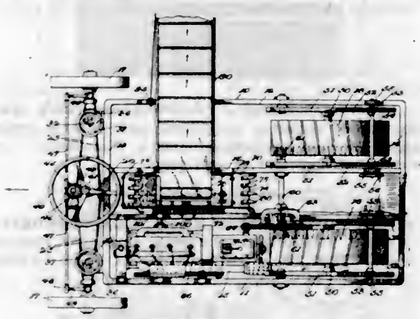


1. In a mechanism for forming envelopes having end flaps and a locking tongue, means for applying adhesive to the locking tongue, means for folding the tongue between its ends and means for pressing the adhesive coated portion of the tongue in contact with the body portion thereof.

1,581,317. CUTICLE REMOVER. RALPH KIRKMAN, Brooklyn, N. Y. Filed May 15, 1925. Serial No. 30,637. 5 Claims. (Cl. 167—9.)

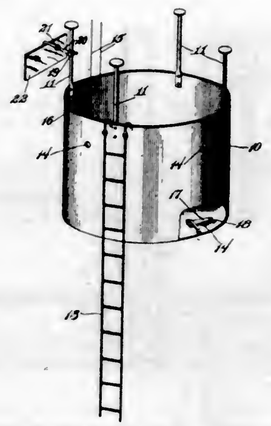
1. A cuticle remover in homogeneous and substantially stable paste form comprising a solution of potash, and starch.

1,581,318. EXCAVATING MACHINERY. JULIUS O. LIUM, Christine, N. Dak. Filed July 30, 1924. Serial No. 729,149. 8 Claims. (Cl. 37—97.)



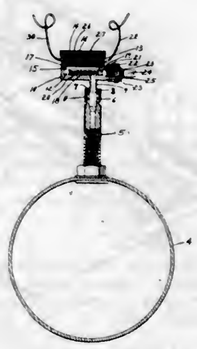
1. In an excavating machine, digging means comprising a plurality of rigid arms mounted to rotate about a horizontal axis, means for rotating said arms, buckets carried at the outer ends of the arms and including bottoms, sides and a combined top and back plate pivotally connected to the bottom, a stop for limiting the movement of each plate toward the bottom, said plate being designed to swing away from the stop and from the bottom in certain positions of the bucket, a track engagenble with the plates for holding the same against the stops during the digging operation, a cam cooperable with the plates for swinging the same away from the bottoms in the dumping position of the buckets, and a scraper cooperable with the buckets immediately after the dumping of the same to insure complete discharge of the contents of the buckets.

1,581,319. DEVICE FOR PROTECTING BANKS FROM ROBBERY. EDWARD E. PAULEY, Marion, Ind. Filed Sept. 1, 1925. Serial No. 53,936. 1 Claim. (Cl. 2—36.)



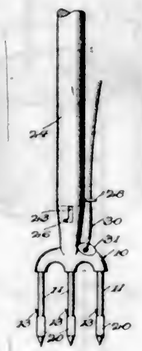
In combination with a bank or vault room, a metallic cage suspended from the vault room ceiling, withdrawable means controlling access to the cage, loop holes in the walls and bottom of the cage commanding the entire floor area of the room and reflectors positionable to permit a view of the floor of the room by a person disposed within the cage and a view of the interior of the cage by persons disposed upon the floor of the room.

1,581,320. ELECTRIC AIR-PRESSURE INDICATOR FOR PNEUMATIC TIRES. HOMER J. PUMPHREY, Jr., Clayton, Ohio. Filed Dec. 26, 1924. Serial No. 758,192. 2 Claims. (Cl. 201—50.)



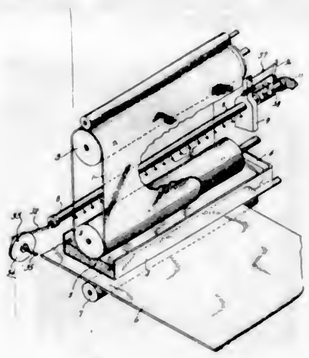
1. A pressure controlled rheostat comprising an elongated tubular casing formed at one end with a valve-containing portion that is open to the atmosphere, a valve in said portion of the casing, a raised hollow extension on said tubular casing between its valve containing portion and its other end, a flexible diaphragm within said hollow extension of the tubular casing for exposure to the air within the latter, an electric circuit, and a variable resistance included in said electric circuit within the hollow extension of the casing for compression by said diaphragm when the latter is forced outwardly by air pressure.

1,581,321. FISH GIG. FRANK EBERHARDT RAITHEL, Jefferson City, Mo. Filed Oct. 17, 1923. Serial No. 669,144. 2 Claims. (Cl. 43—6.)



1. In combination, a fish gig having a prong provided with a movable barb, and a ferrule having one end closed and also having an open end adapted to be slipped over the end of the prong and the barb thereof when it is desired to remove the gig from the fish.

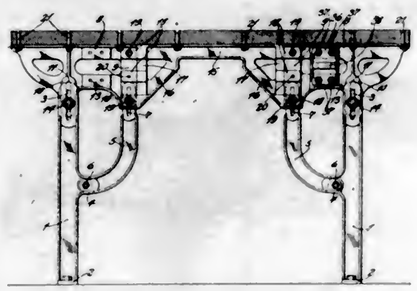
1,581,322. METHOD OF AND APPARATUS FOR APPLYING COLOR. FREDERIC P. REED, East Orange, N. J., assignor to American Multitone Papers Corporation, Waterford, N. Y., a Corporation of New York. Filed Apr. 8, 1925. Serial No. 21,474. 11 Claims. (Cl. 91—44.)



1. The process of producing color effects on a fabric in web form which consists in dipping a medium into the color to be applied and thereafter blowing the color from the medium onto the surface of the web to be coated.

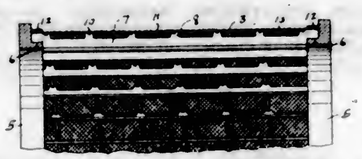
11. In an apparatus of the character described, the combination with means for giving a continuous motion to a web of paper or other material upon which color effects are to be produced, means for producing a water film on the surface, a source of color supply, a medium to which the color will adhere, means for bringing the medium and the color into contact, and means for blowing the color from the medium onto the water film.

1,581,323. WORKTABLE. ARTHUR W. RIVETT and BENJAMIN WEINBERGER, St. Louis, Mo., assignors to MARX & HAAS Clothing Co., St. Louis, Mo., a Corporation of Missouri. Filed June 25, 1923. Serial No. 647,440. 6 Claims. (Cl. 45—27.)



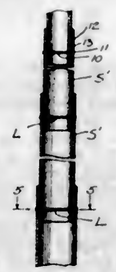
1. A work table comprising pairs of legs, a top supporting member attached to the upper end of each leg, and a reversible connecting member connecting the top supporting members of each pair of legs, said connecting member in one position thereof having its upper edge in alinement with the upper edges of the connecting members and in the other position thereof having its upper edge below the upper edges of the connecting members.

1,581,324. CONDENSER DRUM. JOHN C. ROGERS, Houston, Tex., assignor to Houston Blow Pipe and Sheet Metal Works, Houston, Tex., a Corporation. Filed Aug. 24, 1925. Serial No. 52,206. 4 Claims. (Cl. 19—75.)



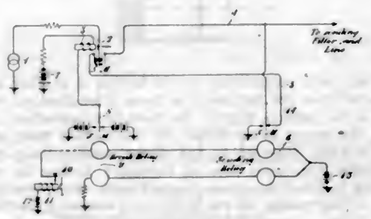
1. A drum including a framework comprising spaced ribs having radiating projections and a cover support carried by said projections, and a foraminated cover around and supported by said support.

1,581,325. EXTENSIBLE MAST AND SUPPORTING MEANS THEREFOR. RUSSELL J. SANDS, Pasadena, Calif. Filed Feb. 4, 1925. Serial No. 6,874. 1 Claim. (Cl. 189—26.)



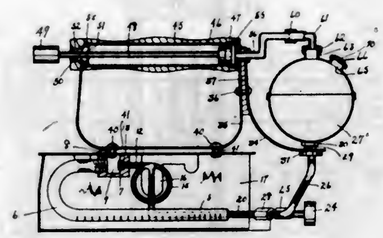
An extensible mast comprising a plurality of telescopic sections movable to occupy collapsed and extended positions, said sections having openings therein, expansible members in the sections, each of which is constructed from a single length of flexible wire bent to provide an expansible body portion having lateral extensions at its free ends to form latching bolts urged outwardly from each other so as to extend through the openings in their respective sections when the latter occupy collapsed position, and to be projected into the openings of the next larger section under the expansive action of the body portion when the sections are moved to extended position, and thereby secure the sections against relative movement.

1,581,326. MEANS FOR PREVENTING BIAS IN TELEGRAPH SYSTEMS. ROY B. SHANCK, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,876. 6 Claims. (Cl. 179—17.)



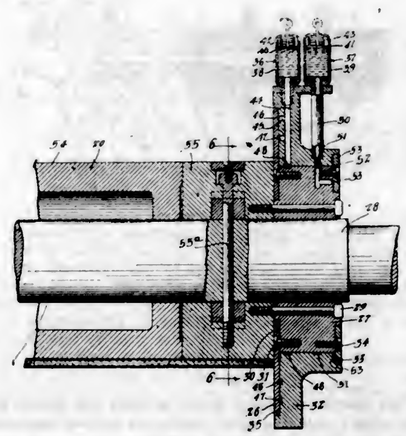
1. In a system for minimizing bias of telegraph signals, the combination with a source of potential of a line normally effectively connected with the said source, a sending relay adapted to shunt the said line for the transmission of a spacing signal, a break relay, means to control the said sending and the said break relays, and an auxiliary relay controlled by the said break relay to equalize the effect of the armature travel time of the sending relay on the marking and the spacing impulses.

1,581,327. SELF-HEATING SADIRON. JOSEPH L. SCHMIDT, Blossvale, N. Y. Filed June 2, 1925. Serial No. 34,450. 5 Claims. (Cl. 158—23.2.)



5. In a self-heating sad iron, a burner, a reservoir for supplying fuel to said burner, a cylinder, pipes connecting said cylinder with said reservoir, a union coupler for uniting said pipes, a piston in said cylinder, a handle for reciprocating said piston, a handle disposed about said cylinder, whereby to actuate said sad iron, a U shaped bracket for supporting said handle, a second bracket attached to the U shaped bracket to aid in supporting said reservoir, and a non-heat conductor between said brackets.

1,581,328. METHOD AND APPARATUS FOR FORMING PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed Feb. 24, 1925. Serial No. 11,169. 11 Claims. (Cl. 154—1.)



9. An apparatus for forming plaster board, comprising fibrous material supply means, means for supplying plastic material between supplied fibrous material, forming and spreading rollers, and troweis mounted on the rollers for finishing the edges as formed.

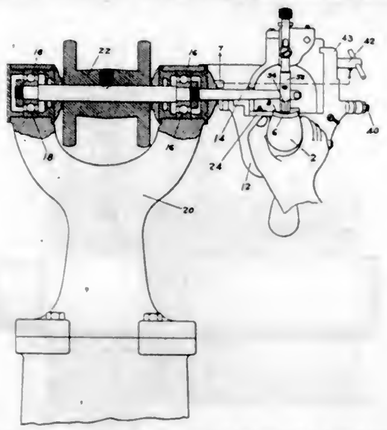
1,581,329. MASONRY COAT HOLDER FOR MORTAR AND THE LIKE. WILHELM SCHÜTZ, Dusseldorf, Germany. Filed Oct. 15, 1924. Serial No. 743,665. 3 Claims. (Cl. 72—116.)

3. A sheet metal carrier for masonry and the like, comprising a sheet metal body of cylindrical form, and unitarily formed transversely dished linear sheet metal strips having their convex faces lying in direct surface contact with a surface of said cylindrical body and joined thereto.

1,581,330. HEEL-TRIMMING MACHINE. WESLEY J. SHAW, Haverhill, Mass., assignor to New England Wood Heel Co., Haverhill, Mass., a Corporation of Massachusetts. Filed July 10, 1924. Serial No. 725,133. 14 Claims. (Cl. 12—42.)

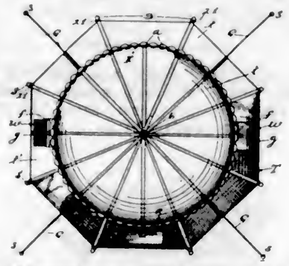
1. A machine of the class described having, in combination, a shaft, a cutter fast to the shaft so as to rotate therewith in a plane at right angles to the shaft, a substantially plane guide for guiding an article to the cutter, the shaft being nearly in but slightly inclined to the plane of the plane guide, whereby the cutter rotates nearly in but slightly inclined to a plan at right angles to the plane of the plane guide, and a member having a relatively small-dimensioned portion positioned opposite to the effective cutting portion of the cutter at a point near the plane guide, the small-dimensioned portion being constructed and arranged to be engaged by the article, whereby the article may be turned about the pivoting

portion while it is guided by the plane guide so as to be held firmly against the plane guide during the cutting action of the cutter, the shaft being substantially entirely



to one side of the plane guide, whereby the article will not contact with the shaft during its turning movement about the small-dimensioned portion.

1,581,331. TENT STRUCTURE. SAM R. SMITH, Los Angeles, Calif. Filed May 10, 1924. Serial No. 712,293. 1 Claim. (Cl. 135—4.)

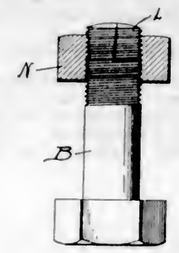


The tent structure including a tent, means for supporting the same on the ground in extended position, and a circular member carried on the wall of said tent for holding the same extended concentrically with respect to said supporting member, said supporting member and said circular member being composed of a plurality of telescoping sections, flexible members attached to the interior of said tent forming loops for holding said circular member in position, and means for adjustably attaching said flexible members for stretching the tent to a desired extent.

1,581,332. VEHICLE TOP. HARRY CULMAN APPEL, Philadelphia, Pa. Filed Feb. 2, 1924. Serial No. 690,142. 8 Claims. (Cl. 296—137.)

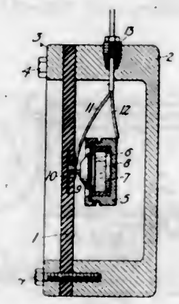
1. A vehicle top including a frame; side coverings secured to the frame; an integral top covering having its rear part secured to the frame and its front part provided with flaps adapted to be detachably secured to the frame, and baffle-like parts between the side coverings and the flaps to prevent entrance of water.

1,581,333. NUT LOCK. ROBERT R. CHILDS, Roanoke, Va., assignor of part interests to W. H. Wood, Salem, Va.; J. L. Early, Saltville, Va.; Ben C. Moomaw, Roanoke, Va.; J. T. Layman, Amsterdam, Va.; W. H. Moomaw, Roanoke, Va.; and Herman Jakobsson, Takoma Park, Md. Filed Nov. 12, 1925. Serial No. 68,625. 1 Claim. (Cl. 151—14.)



A nut lock comprising a bolt having a portion of its threaded free end cut away to form a longitudinal recess with a flat surface slightly inclined in longitudinal direction, the recess being deeper at the bottom than at the top; a block inserted in the recess, substantially filling the same, the inner face of the block having its major portion inclined for close contact with the inclined surface of the recess of the bolt, the remaining portion of said inner face of the block being beveled, and a nut having threaded engagement with the bolt and the applied block, unscrewing rotation of the nut rocking the block in a direction transversely of the bolt and moving the block outwardly of the inclined surface of the recess of the bolt, said outward movement of the block causing the block to be moved substantially radial of the bolt into wedging action upon the nut.

1,581,334. VIBRATION-DETECTING DEVICE. IRVING B. CRANDALL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 24, 1919. Serial No. 306,472. 7 Claims. (Cl. 179—124.)

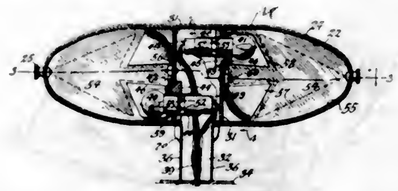


2. A vibration detector comprising a diaphragm of elastic non-resonant energy absorbing material means for clamping the periphery of such diaphragm, and a current varying device supported from such diaphragm.

1,581,335. AUTOMOBILE SIGNAL. WILLIAM A. ECKERT, Buffalo, N. Y. Filed Feb. 1, 1924. Serial No. 690,033. 5 Claims. (Cl. 177—329.)

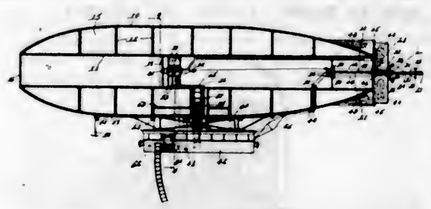
1. A signal of the character described comprising a housing, a partition arranged within the housing and

provided with a slot, a supporting block arranged in said slot, a tubular socket mounted on said block, an



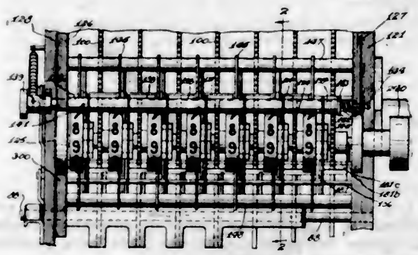
electric lamp mounted in said socket, and a reflector mounted on said partition and enclosing said lamp and provided with an opening which receives said socket.

1,581,336. AIRSHIP. CLARENCE P. ELLITHORPE, Chicago, Ill. Filed Feb. 16, 1925. Serial No. 9,435. 9 Claims. (Cl. 244—10.)



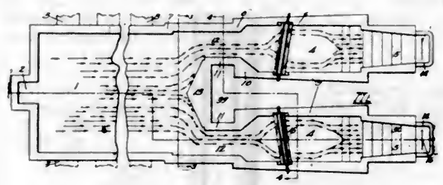
1. An airship having a casing extending longitudinally therethrough, a propeller with a motor therethrough mounted in said casing, a plurality of separate gas compartments arranged around said casing, and a water container in the lower ones of said compartments.

1,581,337. CARRY-OVER MECHANISM. IVAN ENGSTROM, Chicago, Ill. Original application filed June 12, 1922, Serial No. 567,741. Divided and this application filed Dec. 14, 1922. Serial No. 606,862. 10 Claims. (Cl. 235—138.)



1. Carry-over mechanism for ordered totalizing indicators comprising the combination of operating mechanism for said totalizing indicators, devices actuated by the operating mechanism for moving the carry-over mechanism to its operative position by each operation of said operating mechanism, and a tripping member actuated by said operating mechanism at the end of each operation thereof for releasing said carry-over mechanism.

1,581,338. CONTINUOUS TANK FURNACE. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 27, 1923. Serial No. 671,126. 14 Claims. (Cl. 49—54.)



1. A furnace for supplying molten glass to a pair of glass-working machines, comprising a melting tank, a pair of parallel refining tanks, and passages connecting the discharge end of the melting tank with the receiving end of the refining tanks, the passages being narrower than the refining tanks, and having their outer sides substantially in line with the outer sides of the melting and refining tanks.

8. The method of distributing heat to a pair of parallel refining tanks, which are fed from a single melting tank, cosisting in having the enclosed heating space above each refining tank, which spaces are supplied with heat from the chamber above the melting tank, overlap the outer sides of the refining tanks, so that a greater portion of this heat is directed above the outer portions of these tanks, and a lesser portion of the heat above the adjacent portions of the refining tanks.

1,581,339. COUPON TICKET. HARRY C. FOX, New York, N. Y. Filed July 30, 1925. Serial No. 46,948. 1 Claim. (Cl. 283—53.)

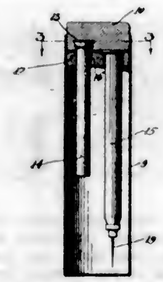
A reserve seat theatre ticket for a single specified performance, comprising a strip of material divided by two transverse lines of scoring into three distinct separable sections, positioned end to end, one end section being longer than the others and contstituting the doorman's stub, and the other two sections being positioned beyond one and the same end of the stub and constituting patrons' and ushers' coupons, and all of which sections are of the same width and contain the same date and seat number.

1,581,340. MANUFACTURE OF VACCINES. LUCIEN GOLDENBERG, Paris, France. Filed Feb. 7, 1923. Serial No. 617,609. 3 Claims. (Cl. 167—7.)

2. The art of manufacturing a vaccine which consists in sterilizing a plurality of microbe cultures by different processes, preparing a solution of microbes of the same type and race, and suspending said sterilized cultures in said solution as an excipient.

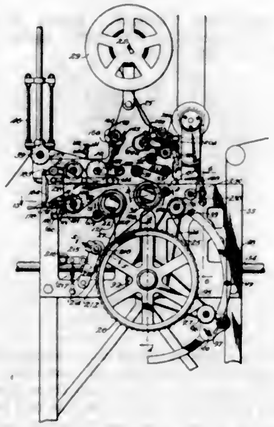
3. A vaccine in a form suitable for injection for immunization and curative purposes comprising sterilized cocci suspended in an excipient solution of cocci of the same type and race.

1,581,341. CONTAINER FOR HYPODERMIC SYRINGES. ARTHUR B. GUINNESS, Brooklyn, N. Y., assignor to Edward V. Hackett, New York, N. Y. Filed Nov. 14, 1924. Serial No. 749,919. 4 Claims. (Cl. 206—43.)



4. In a container for hypodermic syringes, the combination with a stoppered receptacle adapted to contain a sterilizing liquid, of means in said receptacle and in the stopper for suspending the elements of a syringe within the receptacle in separated relation, and means in said receptacle for retaining a portion of a syringe therein against withdrawal from the container except by engagement with the syringe piston.

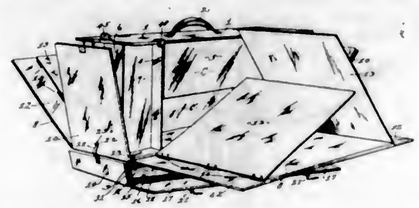
1,581,342. COLOR-TRANSFER MACHINE. MAX HANDSCHIEGL, Los Angeles, Calif. Filed June 19, 1923. Serial No. 646,378. 18 Claims. (Cl. 101—130.)



1. In a color transfer machine, the combination of: a rotatable drum having film engagement teeth arranged thereupon; separate feed sprockets for feeding to said drum separate superimposed films unequally expanded; adjustable means comprising a roller on a pivoted arm for predetermining the extent of a softening and expanding treatment of the outermost of said films; and means provided with registry adjustments for driving said feed sprockets in synchronism with said drum.

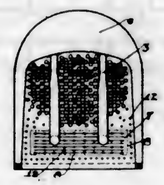
1,581,343. PICNIC CABINET. JOHN PORTER HART, Los Angeles, Calif. Filed Nov. 6, 1923. Serial No. 673,156. 9 Claims. (Cl. 190—12.)

1. A picnic cabinet comprising a cabinet having hinged sides adapted to fold downwardly into the same horizontal plane for providing a table, a compartment below the level of said table, side and end members enclosing said compartment and foldable outwardly for affording access thereto, and leg members pivotally supported in the corners of said compartment formed of sections



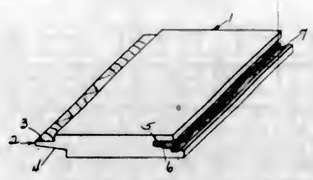
hinged together, and adapted to be nested when collapsed in said compartment and extended therefrom for supporting the cabinet in position for use.

1,581,344. FLEXIBLE DIAPHRAGM FOR THERMIC SIPHONS. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,667. 1 Claim. (Cl. 122—68.)



The herein described siphon diaphragm comprising a horizontally corrugated metal sheet of firebox material containing an opening for a siphon neck, said horizontal corrugations terminating in spaced relation to the margin of said opening, thereby providing a plain uncorrugated zone surrounding said opening.

1,581,345. PAVING BLOCK. LEON J. D. HEALY, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 19, 1924. Serial No. 714,303. 3 Claims. (Cl. 94—13.)



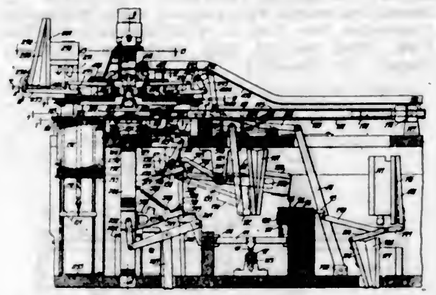
1. A paving block formed of a rubber composition and provided on opposite edges with complementary tongue and groove, the lower face of the latter being provided with a longitudinal recess.

1,581,346. ROTARY TAKE-UP. RICHARD K. HOHMANN, Peru, Ind., assignor to Hohmann Sewing Machine Company, Peru, Ind., a Corporation of Indiana. Filed Feb. 16, 1924. Serial No. 693,175. 5 Claims. (Cl. 112—248.)

1. In a rotary takeup mechanism for sewing machines comprising a rotating thread deflecting means about which the thread tends to wind up in case of thread breakage, the improvement which consists in a thread deflector rotating with said means and located with respect thereto in position to be engaged by the thread

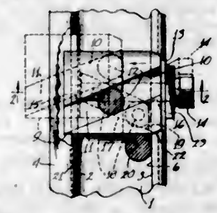
wrapping around said means and shaped to deflect a portion of the thread so engaging it laterally out of the path of movement of said means.

1,581,347. WRAPPING MACHINE. WILLIAM C. HUGULEY, Belleville, N. J., assignor to M. S. Mork & Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 11, 1925. Serial No. 14,677. 45 Claims. (Cl. 93—2.)



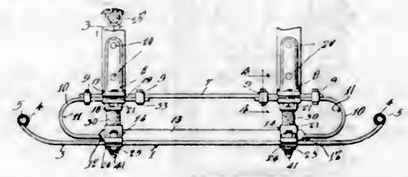
1. Apparatus of the type described which comprises, mechanism for positioning an article in position to be wrapped, mechanism for placing wrapping paper in position relative to said article, mechanism for wrapping said paper about said article, individual and independently operable pneumatic means for operating said mechanisms, and means for actuating said pneumatic operating means in properly timed sequence.

1,581,348. WHEEL. SAMUEL KAPLAN, Monroe, La. Filed Aug. 18, 1924. Serial No. 732,835. 3 Claims. (Cl. 301—17.)



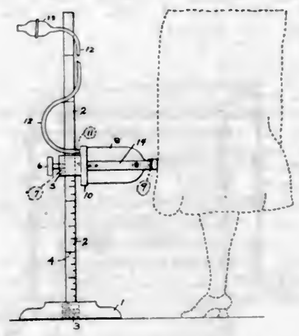
3. The combination of the felly of a wheel having an inner flange having a flaring edge and a rim adapted to be seated on said edge, said felly and rim having engaging surfaces adapted to force the rim onto said edge when rotated on the felly, a plate transversely movable between the felly and rim and having grooves in both its sides oppositely inclined to an axial plane, projections on the rim and felly extending into the grooves in the plate, and means to move the plate axially of the wheel to rotate the rim on the felly, said engaging surfaces on the rim and felly adapted to exert radially outward pressure on said rim independently of the pressure of said flaring edge on the rim.

1,581,349. BUMPER. CHARLES F. L. KAUFMANN and WALLER L. KAUFMANN, Santa Ana, Calif. Filed July 11, 1925. Serial No. 42,997. 18 Claims. (Cl. 293—55.)



1. In a bumper, a forward impact section connected at spaced points to a pair of flat steel bars having their flat faces in horizontal planes, whereby the impact section is provided with a rigid central portion, and means for attaching such bumper to a motor vehicle.

1,581,350. GARMENT MARKER. HENRY RANDOLPH KIMBLER, St. Louis, Mo. Filed June 25, 1925. Serial No. 39,515. 4 Claims. (Cl. 33—9.)

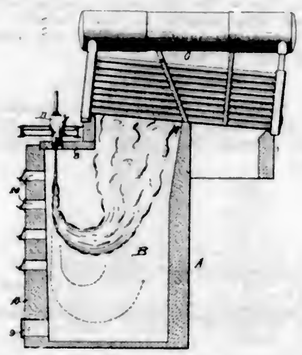


1. In a garment marker device, a base, a graduated standard perpendicularly disposed at the central point of said base, a bracket adjustably mounted upon said standard, a powder container mounted upon said bracket, a nozzle upon said powder container, and a marking shield overlapping said nozzle of the powder container and adapted to distribute the powder when sprayed in a straight line.

1,581,351. METHOD OF AND APPARATUS FOR BURNING PULVERIZED FUEL. HENRY KREISINGER, Pittsburgh, Pa., JOHN ANDERSON, Milwaukee, Wis., and JOHN E. BELL, Brooklyn, N. Y., assignors to Combustion Engineering Corporation, a Corporation of New York. Filed Dec. 30, 1920. Serial No. 433,991. 2 Claims. (Cl. 110—28.)

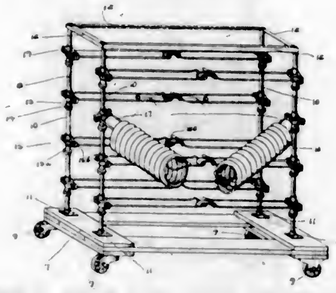
1. The method of burning pulverized fuel in suspension in a furnace having an outlet in an upper part thereof, which consists in introducing and igniting the fuel in a downwardly directed stream so that the fuel and flame stream must take a U-shaped course through the combustion chamber to said outlet, in admitting parallel to

said stream and in juxtaposition thereto on each side thereof a stream of combustion-supporting air, and in inducing, under the influence of the natural draft of the furnace, a separately regulable, downwardly directed



stream of air, of less velocity than the fuel and flame stream, adjacent the first-mentioned stream of air and between the descending and ascending legs of the U, to control the level at which said fuel and flame stream turns upwardly.

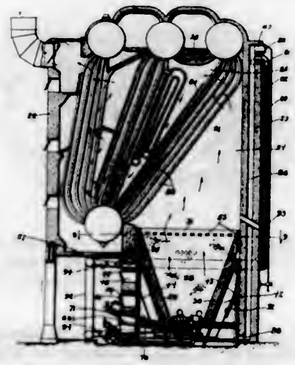
1,581,352. MOVABLE CONVEYER RACK. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 11, 1924. Serial No. 705,946. 2 Claims. (Cl. 211—14.)



1. A movable conveyer rack comprising a base, a frame mounted on the base, a primary shelf supporting means adjustably mounted on the frame, a secondary shelf supporting means rotatably supported on the first mentioned supporting means, said secondary means comprising a sleeve, and a clamp upon the sleeve, said sleeve being rotatably attached to the frame, said primary supporting means consisting of a collar adapted to form a bearing for the lower end of the sleeve and to be fixed to the frame at the desired position, said clamp being adapted to encircle the sleeve and to be clamped tightly thereto, and a shelf or rack member mounted on the clamp.

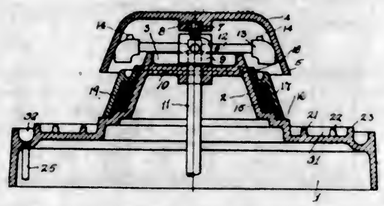
1,581,353. FURNACE. HERBERT V. LEAHY, Los Angeles, Calif. Filed Aug. 13, 1924. Serial No. 731,755. 23 Claims. (Cl. 158—1.)

1. A furnace comprising a combustion chamber provided with a well in the floor thereof, the space beneath the well being divided into a number of separate air chambers, a burner box in each air chamber, an air passage extending beneath the floor of the air chambers, an air passage leading over the first mentioned air pas-



sage to one of the air chambers, and another air passage connecting the first mentioned air passage with another of the air chambers.

1,581,354. FUEL-OIL BURNER. LIVINGSTON L. LEAVELL, Cleveland, Ohio, assignor to Orr Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1925. Serial No. 16,637. 8 Claims. (Cl. 158—91.)

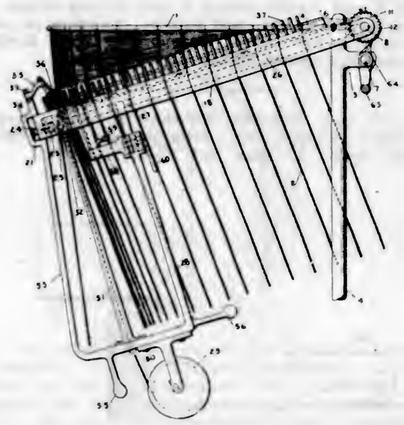


4. A liquid fuel burner comprising a base having an inclined central portion surrounding a central orifice, an annular shell having an inwardly directed flange at its upper edge positioned in spaced relation to said inclined portion of the body, a shallow groove formed in the upper face of said flange, means for discharging liquid fuel into said shallow groove and against the upper portion of said shell to atomize and vaporize the same, a central adjustable support and a dome resting freely upon said support above said central orifice having its marginal edges depending in spaced relation to the upper portion of said annular shell for diverting air ascending through said central orifice downwardly about the outer surface of said shell.

1,581,355. REED-WEAVING MACHINE. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 25, 1922. Serial No. 590,377. 22 Claims. (Cl. 139—12.)

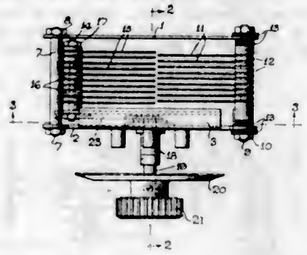
1. A machine for the production of a stake and strand fabric embodying therein a frame having a channel therein conforming to a predetermined outline, a plurality of slidable members arranged on said frame at one side of the channel and adapted to receive the stakes normally arranged at the other side of said channel,

means operating on alternate stakes only for moving them transversely across the channel toward the associated slidable member, to stagger said alternate



stakes with reference to the intermediate stakes which remain in their normal position, means for interweaving a filler strand with said staggered stakes, and means for packing the filler strand.

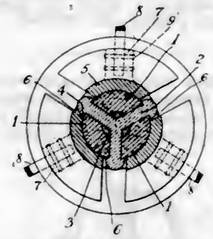
1,581,356. RADIOCONDENSER. CLARENCE LOFBERG, Bogota, N. J., assignor to Nelson Tool Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 16, 1924. Serial No. 756,171. 3 Claims. (Cl. 250—41.)



1. A condenser comprising a plurality of fixed plates, a slidable member, a plurality of movable plates secured to said slidable member, a rack carried by said slidable member, a pinion meshing with said rack, a shaft on which said pinion is mounted, a spring bearing against said pinion in a direction longitudinally of said shaft and a rotatable member on said shaft whereby upon rotation of said rotatable member said movable plates will be moved intermediate said fixed plates.

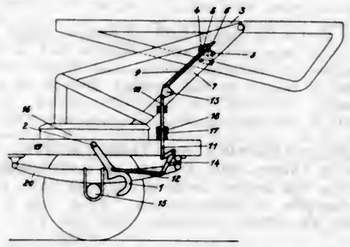
1,581,357. ARC LAMP, ELECTRODE UNIT FOR THE SAME AND METHOD OF PRODUCING LIGHT. GLEESON E. MACCORMAC, Los Angeles, Calif. Filed Oct. 11, 1920. Serial No. 416,242. 7 Claims. (Cl. 176—53.)

1. An electrode unit comprising a plurality of electrodes positioned lengthwise of one another, an insulator between adjacent electrodes extending from end to end thereof, the electrodes and insulator throughout their



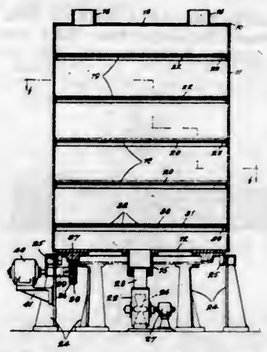
length having portions spaced from one another, and a metallic salt in the spaces.

1,581,358. VEHICULAR FIRE ESCAPE. CONRAD MAYER, Ulm, Germany, assignor to C. D. Magirus, Aktiengesellschaft, Ulm a. d. Donau, Germany, a Corporation of Germany. Filed June 29, 1925. Serial No. 40,191. 3 Claims. (Cl. 228—6.)



1. In a vehicular fire escape having a wheeled chassis and a ladder mounted thereon, means for rendering the car suspension inoperative when the ladder is to be used, and operative when the ladder is lowered into the traveling position, said means comprising a locking device for rigidly connecting the chassis and axle of the vehicle, link mechanism for actuating said device, and a member connected with said ladder for engaging said mechanism to cause said locking device to be thrown automatically to locked position during the initial raising movement of said ladder.

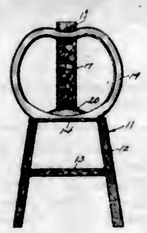
1,581,359. ROTARY DRYING APPARATUS. CHARLES MILLER, Long Island City, N. Y. Filed Mar. 7, 1925. Serial No. 13,764. 10 Claims. (Cl. 34—28.)



10. A drying apparatus, comprising a rotary container having a substantially cylindrical wall with a door closable entrance, said container having at its upper end spaced outlets and having in its lower end an inlet, a fan at the

inlet for forcing air into the chamber, a perforated plate in the chamber above the inlet for dividing the air into divisional currents, a motor, and means operative by the motor for rotating the chamber.

1,581,360. REPAIR STAND. WILLIAM PROCKNOW, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 22, 1922. Serial No. 570,126. 7 Claims. (Cl. 154—9.)

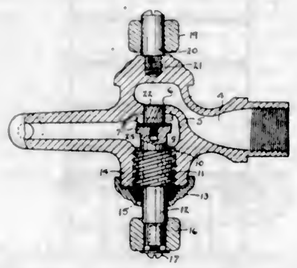


7. A device for repair tires comprising means having an annular face against which the tire may be pressed to expose the defective portion, and means acting on the tire to hold it in such position through its own resilience.

1,581,361. ASSEMBLY OF TREAD UNITS. HARRY SMITH, Cudahy, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 6, 1921. Serial No. 482,836. 1 Claim. (Cl. 154—9.)

A device for assembling tread units comprising stationary parallel guides adapted to position the longitudinal edges of a member of the tread unit, and a guide bar hinged to said table and adapted to be swung into a position adjacent the face of said member and in intermediate and parallel relation to said stationary guides.

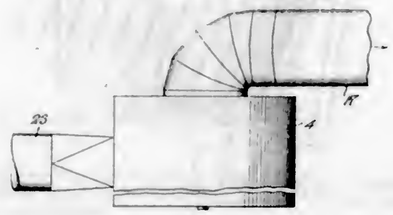
1,581,362. AGITATOR ATTACHMENT FOR VALVES. ISAAC A. STEIN, Galveston, Tex. Filed Nov. 10, 1925. Serial No. 68,053. 5 Claims. (Cl. 225—6.)



1. In a dispensing faucet, a faucet body having a valve chamber therein, a valve seat in said chamber, a valve adapted to fit said seat, an agitating extension on said valve shaped to extend slidably through said seat, said extension having passages therein spirally arranged to impart a whirling motion to the liquid and means to move said valve to and from its seat.

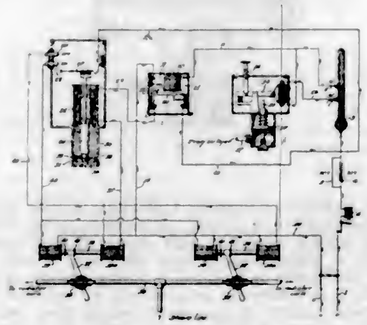
5. In a dispensing faucet a valve chamber, a partition wall in said chamber having a valve opening therein, a valve adapted to close said passage, and means on said valve fitting said opening to agitate the liquid passing through said opening for the purpose described.

1,581,363. COTTON SEPARATOR. JOHN ARNOLD STREUN, Sherman, Tex. Filed Mar. 12, 1925. Serial No. 15,065. 5 Claims. (Cl. 19—75.)



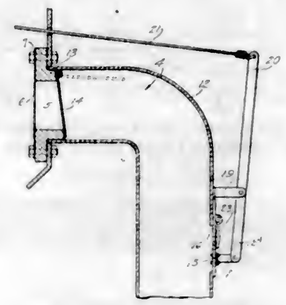
1. A cotton separator comprising a housing, a screened cylinder therein, having its interior unobstructed to allow passage of air transversely thereof, a suction pipe connected with the housing at one end of said cylinder, an inlet pipe an outlet, and a single feeder roll closing the outlet below said cylinder having means thereon to remove the cotton from said cylinder and feed it downwardly from said housing.

1,581,364. CONTROL SYSTEM FOR CAR HEATING. FRANK SUNDAY, Detroit, Mich., assignor of one-half to Claude M. Rosa, Detroit, Mich. Filed May 23, 1924. Serial No. 715,402. 4 Claims. (Cl. 236—78.)



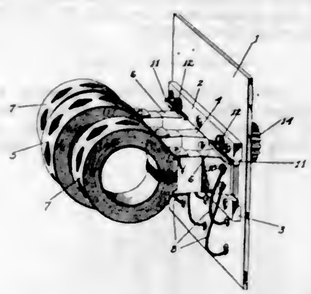
1. In a car heating system, a valve, a valve lever, and an electrically operated lever actuator having a greater motion than said lever whereby momentum in said actuator is attained prior to actuation of said lever, and means ensuring the electrical resetting of said lever in a position ensuring such momentum in the event of said lever having moved prior to its valve closing or opening operation.

1,581,365. VENTILATING SYSTEM. JOHN THAVENET, Stonington, Conn. Filed July 31, 1924. Serial No. 729,274. 2 Claims. (Cl. 98—22.)



1. In combination with an enclosed automobile having a dashboard, a ventilating device comprising a hollow casing, one end of which extends into the dashboard, a screen at said end of said casing, a valve normally closed within said casing and mounted for pivotal movement therein, suction means for opening said valve and drawing air from the interior of said automobile through said casing, and an escape valve in said casing for relieving air excess pressure developed in said casing.

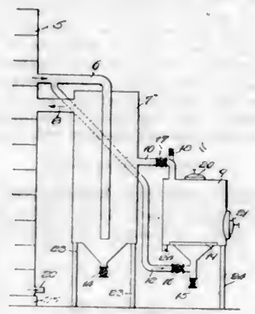
1,581,366. INDUCTANCE-COIL CONTROL. GEORGE A. TURNER, Stockton, Calif. Filed Sept. 26, 1923. Serial No. 664,862. 1 Claim. (Cl. 171—119.)



An inductance coil control mechanism including a supporting panel, a pair of spaced guide bars on one face of the panel, a block fixed centrally between the guide bars, a block on each side of the fixed block slidably mounted in the guide bars for movement toward or from the fixed block in constant parallel relation with respect to each other, a gear rack on each slidable block, a gear engaging each rack, means for turning the gears to operate the racks and slide the blocks, the blocks having free ends projecting clear of the guide bars, and means for removably attaching an inductance coil on the free end of each block.

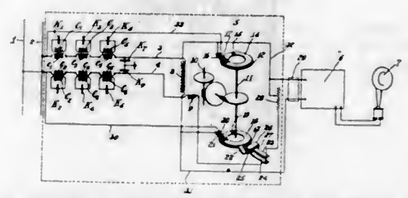
1,581,367. AMMONIA DISTILLATION. JOHN S. UNGER, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 757,305. 6 Claims. (Cl. 203—1.)

1. In ammonia distillation apparatus, the combination of a distilling column, a lime vessel, a grate for supporting a charge of lime in the bottom of said vessel, means for passing liquor from the distilling column to the bottom of the lime vessel and up through said grate and through the lime supported thereon, a lime leg, means



for delivering the liquor from the lime vessel above the lime charge to the lime leg, and an overflow from said lime leg back to the distilling column.

1,581,368. RADIO CONTROL APPARATUS. HARRY R. VAN DEVENTER, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 16, 1924. Serial No. 686,560. 16 Claims. (Cl. 179—6.3.)



1. In a signaling system, means for carrying currents of relatively high frequencies said means comprising a circuit for the delivery of electrical energy other than signal energy, conductors connected to said circuit and coin controlled means to govern the admission of said currents to said conductors.

1,581,369. METHOD OF REFINING LUBRICATING-OIL STOCKS. JAMES W. WEIR, Fillmore, Calif. Filed May 14, 1925. Serial No. 30,357. 4 Claims. (Cl. 196—26.)

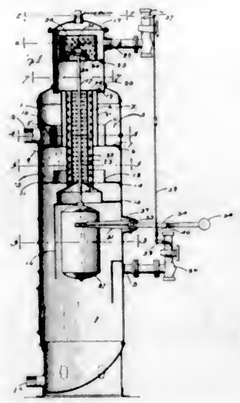
4. A method of refining lubricating oil stocks, which comprises treating the oil with sulfuric acid, settling and removing the major portion of the sludge, treating the oil stock with comminuted solid adsorbent material at a temperature sufficient to decompose the sludge present and liberate sulfur dioxide therefrom, then adding litharge to the mixture, and thereafter separating the oil stock from the admixture.

1,581,370. PROCESS OF MANUFACTURING LUBRICATING OILS. JAMES W. WEIR, Fillmore, Calif. Filed Nov. 9, 1925. Serial No. 68,009. 1 Claim. (Cl. 196—147.)

A process of manufacturing lubricating oil stock, which comprises treating the oil stock with sulfuric acid, removing the sludge, neutralizing the stock with an

alkaline substance, separating such substance from the oil stock, thereafter applying further sulfuric acid to the oil stock, settling and removing the formed sludge, then agitating the oil stock with a comminuted solid adsorbent material at a temperature below that at which the sludge decomposes to gather a further quantity of the solid suspended sludge, separating the adsorbent material with the matters adsorbent thereon from the oil stock, then adding a comminuted solid adsorbent material to the oil stock, heating the admixture to a temperature sufficient to decompose the remaining sludge and liberate sulfur dioxide therefrom, and separating the adsorbent material with the matters adsorbent thereon from the oil stock.

1,581,371. GAS AND OIL SEPARATOR. EDWIN C. WEISGERBER, Long Beach, Calif. Filed Feb. 4, 1925. Serial No. 6,854. 6 Claims. (Cl. 183—2.7.)

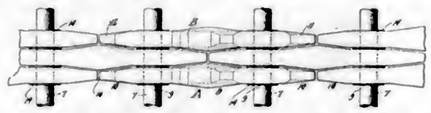


1. A gas and oil separator comprising a chamber having a gas and oil inlet, and a gas dome upon said chamber, perforate means within said chamber to divide the oil, perforate means to permit the released gas to escape and entrap oil particles carried by the gas, a gas cage in said dome to arrest passage of oil globules, and a gas conduit for preventing the oil contacting with and surrounding the perforate oil entrapping means.

1,581,372. GAME-SCORING DEVICE. THOMAS F. WILLIAMS, New Bethlehem, Pa. Filed June 11, 1925. Serial No. 36,542. 3 Claims. (Cl. 40—68.)

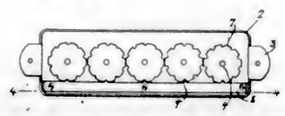
1. The combination, in a game scoring device, of a tubular housing 8 having four face openings, four groups of integrally formed holding pawls projecting therein, four groups of indicia-carrying dials revolvable on a spindle 13 and individually associated with and engaged by a holding pawl of the respective group thru the medium of suitably formed slots 19 cut across the peripheral faces of dials, substantially as shown and described.

1,581,373. TRAVELING GRATE. WILFRED R. WOOD, London, England, assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 1, 1923. Serial No. 655,012. 10 Claims. (Cl. 110—40.)



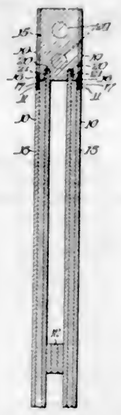
5. A link for a chain grate having both ends laterally tapered and a similarly tapered middle portion.

1,581,374. OIL REGISTER FOR INTERNAL-COMBUSTION ENGINES. CHESTER YOUNGS, Grand Rapids, Mich. Filed Mar. 2, 1925. Serial No. 12,634. 1 Claim. (Cl. 40—70.)



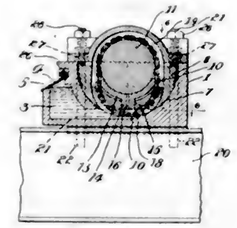
In a register for displaying any desired combination of numerals in a direct line, an enclosing case, a series of revoluble discs mounted in said case in a direct line, stems extending outwardly from said discs through openings in the face of the case with which to revolve each disc individually, the ten Arabic numerals placed in a circle near the edge of each disc, the face of the case having a row of openings parallel with the row of openings through which the disc stems pass, springs for holding the discs in normal positions, each disc having a notch in its periphery opposite each numeral thereon, and a plate secured in the case and having points thereon in positions to be made to interlock with the desired notches in the peripheries of the discs to hold the discs temporarily in desired positions.

1,581,375. DOOR CONSTRUCTION. GEORGE R. ZELLMER, Oshkosh, Wis., assignor to Morgan Woodwork Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 16, 1925. Serial No. 69,231. 14 Claims. (Cl. 20—35.)



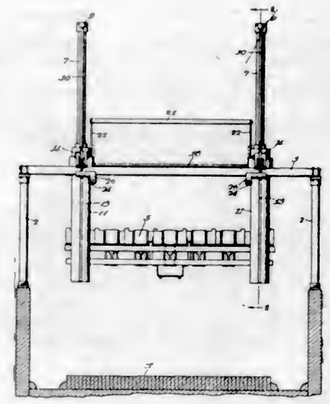
10. In a door construction, a plurality of spaced face panels, stiles and rails positioned flush with the panels in encompassing relation thereto and strips covering the joints at all the marginal edges of the panels.

1,581,376. SELF-ALIGNING CROWN-SHAFT BEARING. LEWIS E. ZERBE, Moneta, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Original application filed Mar. 22, 1923, Serial No. 626,791, Patent No. 1,506,105. Divided and this application filed May 28, 1924. Serial No. 716,365. 13 Claims. (Cl. 308—72.)



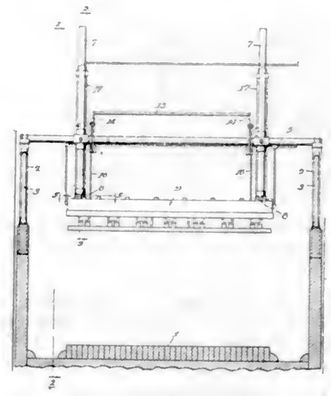
1. In a shaft bearing of the kind described, the combination of a beam, a box supported by the beam with bolts for securing the same to the beam, and having a substantially spherical socket between the bolts, a ball-seat freely movable in the socket for supporting the shaft, and a cap separate from the box, seating on the box and held in place by the bolts.

1,581,377. PIN-SETTING MACHINE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed June 29, 1925. Serial No. 40,183. 14 Claims. (Cl. 273—42.)



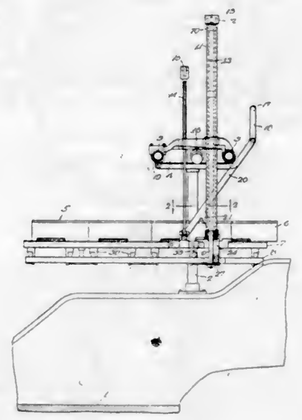
1. A pin setting machine comprising a setter frame, a weight, said frame and said weight being mounted for vertical movement and a rack and pinion connection therebetween causing equal and opposite movements of said frame and weight.

1,581,378. PIN-SETTING MACHINE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed June 29, 1925. Serial No. 40,260. 8 Claims. (Cl. 273—42.)



1. A pin setting machine comprising a setter frame, means to lower said frame by hand, and fluid pressure means to raise said frame.

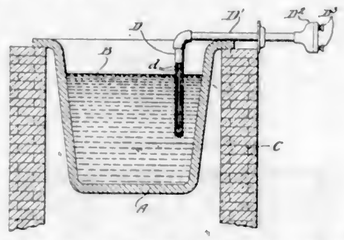
1,581,379. PIN-SETTING MACHINE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed July 10, 1925. Serial No. 42,694. 16 Claims. (Cl. 273—42.)



1. In a pin setting machine, a setter frame comprising a pair of horizontally disposed decks, means for lowering said decks, and means for causing relative vertical movement between said decks and comprising a lost motion connection.

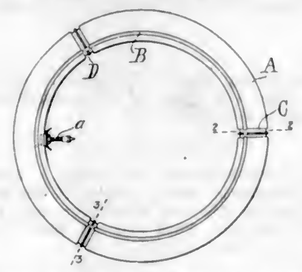
10. In a pin setting machine, a setter frame, means for raising and lowering said frame, means for guiding said frame in a vertical direction, and pneumatic means for retarding the upward movement of said frame.

1,581,380. THERMOCOUPLE CASING. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 30, 1925. Serial No. 72,237. 4 Claims. (Cl. 136—5.)



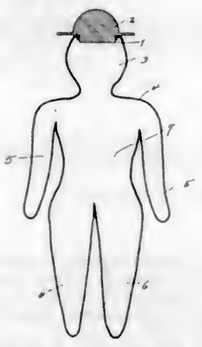
1. A thermo-couple casing formed of an iron chromium alloy resistant to the corrosive action of molten lead and zinc.

1,581,381. ALL-METAL INNER TUBE. NEWMAN E. BROWN, Erie, Pa. Filed Mar. 7, 1924. Serial No. 697,502. 3 Claims. (Cl. 152—8.)



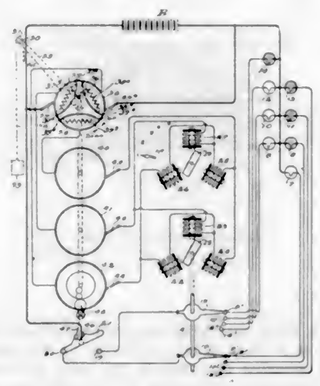
2. An inner tube for vehicle wheel tires, comprising a continuous tubular ring of relatively thin elastic metal requiring sustaining internal air pressure, said tube being provided with an air valve and having side circumferential corrugations and tube-encircling corrugations so arranged as to permit the temporary distortion in service with respect to the ring as a whole and to the diameter of the tube.

1,581,382. DOLL. KAREN MAUGRETHE BUCHTRUP, Randers, Denmark. Filed Aug. 15, 1922. Serial No. 582,004. 2 Claims. (Cl. 46—40.)



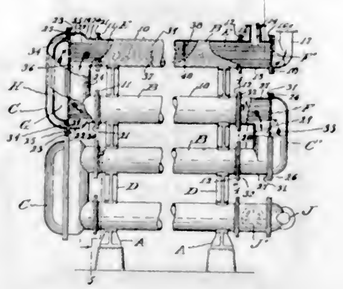
2. A toy comprising a flexible container in the form of a doll provided with a head, an opening through which a mobile granular filler may be put into the container, a hat adapted to fit the head and provided with means to close the opening in the container when the cap is in position on the head.

1,581,383. ELEVATOR-SIGNALING SYSTEM. EMIL P. BUTUSOV, Chicago, Ill., assignor of one-half to Daniel Lewy, Chicago, Ill. Filed Oct. 16, 1919. Serial No. 331,114. 8 Claims. (Cl. 177—336.)



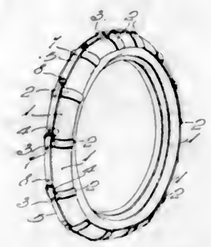
8. An elevator signaling system for an elevator system including a plurality of shafts and a car in each of said shafts operating between a plurality of floors, a plurality of signals to be actuated in accordance with the movements of said cars in said shafts, a circuit for each signal extending to a centralized point in said system, means for selecting any one of said circuits, electromagnetic means for operating said selecting means, and means mechanically operated by and in accordance with the movements of said cars in said shafts for operating said electromagnetic means to select the signals corresponding to the position of said cars in said shafts.

1,581,384. HEAT EXCHANGER. DICK HUBERT CHESTER, Buffalo, N. Y. Filed Apr. 28, 1921. Serial No. 465,110. 3 Claims. (Cl. 257—234.)



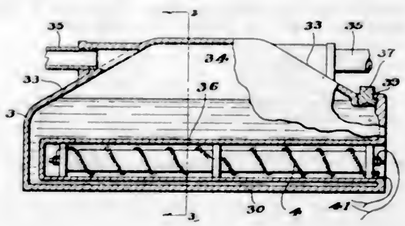
1. The combination with a plurality of cylindrical conduits arranged parallel to one another of a plurality of tubes parallelly disposed in each of said conduits, coupling members connecting said cylindrical conduits in series, and floating heads in alternate coupling members providing communication between the tubes in one conduit and the tubes in the connected conduit and providing for expansion and contraction of the tubes and conduits.

1,581,385. TIRE ARMOR. GEORGE W. CHILDERS, Ontario, Calif. Filed June 11, 1925. Serial No. 36,472. 1 Claim. (Cl. 152—16.)



A metal tire armor comprising a plurality of circumferentially extending channel-shaped sections each enlarged at one end to receive the other end of the next adjacent section, the enlarged end of each section having a central notch while the other ends of said sections are formed with slots with which the notches register, and a plurality of central circumferentially extending metal straps secured one to each of said sections, the strap of each section passing at one end through the notch of such section and having a hook bill which passes through the slot of the next adjacent section, the hook bills of the numerous sections lying flat against the inner sides of said sections, said straps forming substantially a continuous tread and non-skid band around the armor.

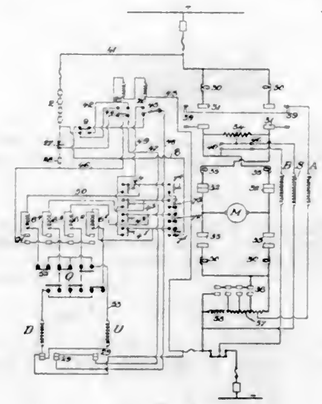
1,581,386. RADIATOR. ALLAN CLARK, Seattle, Wash. Filed Feb. 28, 1923. Serial No. 621,772. 2 Claims. (Cl. 122—4.)



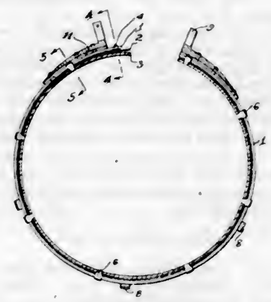
1. A steam boiler for individual steam radiators comprising a rounded bottom shell having a tube extending therethrough near its bottom, said tube being of slightly less diameter than the diameter of the shell's bottom, and being eccentrically positioned relative thereto, with its center lower than the center of the shell's bottom, and a heating element removably positioned in said tube.

1,581,387. PUSH-BUTTON-CONTROL SYSTEM. EDWARD CLEMENCE, London, England, assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 22, 1924. Serial No. 739,117. 9 Claims. (Cl. 187—29.)

2. In an electrical control system comprising individual sets of interconnected push-buttons, said sets of push-buttons being arranged in parallel branches of the controlling circuit and having their corresponding push-buttons connected together, a make-and-break push-button included in one set, and alternative contacts controlled by said make-and-break push-button, one of said alternative contacts being connected to a normally open contact of another push-button in the same set and the other of said alternative contacts being connected to a normally open contact of a corresponding push-button in another set.



1,581,388. DEVICE FOR LOCKING BRAKE BANDS IN PLACE. LEONARD J. COLE, Buffalo, N. Y. Filed Jan. 23, 1925. Serial No. 4,224. 2 Claims. (Cl. 188—249.)

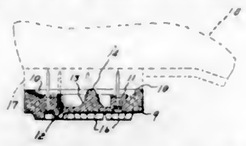


2. In a device of the class described, the combination of a brake band having one of the usual slotted coupling ears spaced from the end thereof and having apertures forward of the said coupling ears, a readily removable lining member removable circumferentially on said brake band, said lining member having pins integral with the lining member and positioned to engage the brake band at a point in advance of the above-mentioned slotted coupling ears for detachably engaging the apertured end of the brake band to permit of convenient removal and replacement of the lining member.

1,581,389. CUSHION RUBBER HEEL. LOUIS COLELLA, Detroit, Mich. Filed Dec. 26, 1922. Serial No. 608,940. 2 Claims. (Cl. 36—35.)

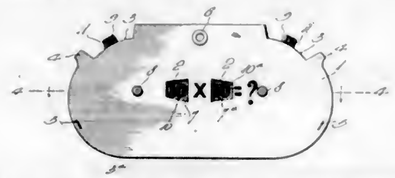
1. A rubber heel comprising a main body portion having the upper surface thereof inclined inwardly; a reenforcing portion mounted on said body portion, at the base of said inclined portion and terminating below the up-

per surface of said inclined portion, said reenforcing portion having a plurality of channels formed therein and in communication with a pocket formed in said main body



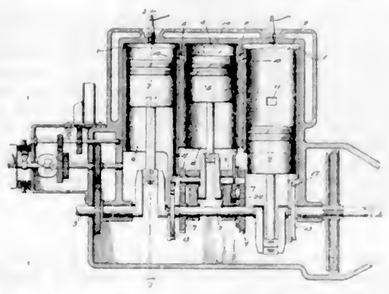
portion, for permitting escape of air from said pocket through said channels upon the flexing of said main body portion.

1,581,390. EDUCATIONAL DEVICE. CORA A. COOK, Brainerd, Minn. Filed Feb. 24, 1925. Serial No. 11,322. 2 Claims. (Cl. 35—2.)



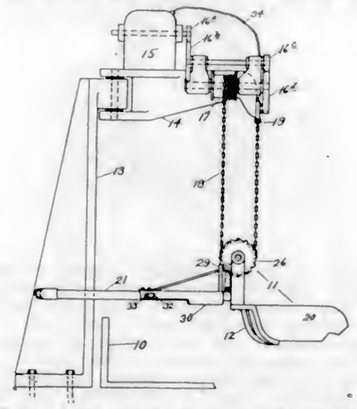
1. An educational device comprising duplicate relatively long front and back plates having a pair of sight notches in the opposite ends and a pair of transverse sight openings relatively longitudinally spaced at the central portion, fixed relatively different arithmetical signs on opposite sides of the device between said centrally arranged transverse sight openings, a pair of disks disposed in a common plane between the plates and rotatably mounted upon spaced axes, radial ears at the peripheries of the disks, an inner and outer annular series of characters upon each side of each disk and its set of ears, the characters of the inner series being exposed one after another through the sight openings and the characters on the ears being exposed individually one after another through said sight notches, the characters of one series upon one side of a disk and the characters on the opposite side of the ears of the same disk being duplicate and relatively arranged so that similar characters will be simultaneously exposed through said sight openings in one side of the device and through corresponding sight notches in the other side of the device.

1,581,391. INTERNAL-COMBUSTION ENGINE. RALPH F. CRAWFORD, Salina, Kans. Filed Sept. 13, 1923. Serial No. 662,495. 6 Claims. (Cl. 123—59.)



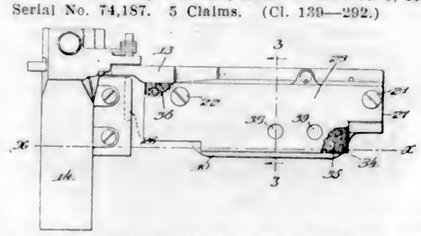
2. In an internal combustion engine, two working cylinders, pistons therein, a crank shaft connected to said pistons, a compression cylinder located between said working cylinders, a piston therein, and an auxiliary crank shaft connected to said last-named piston, the auxiliary shaft mounted in bearings and lying wholly between the working pistons.

1,581,392. LIFTING AND LOADING DEVICE. JOHN W. CRIPPEN, Clarks Summit, Pa. Filed Mar. 26, 1923. Serial No. 627,651. 13 Claims. (Cl. 214—95.)



1. In a lifting and loading device the combination of a support, a drum revolubly mounted thereon, an electrically operated prime mover operatively connected to said drum, a flexible member depending from said drum and adapted to be wound up by rotation of said drum, a handled article-engaging tool suspended from the lower portion of said flexible member and means for controlling said prime mover including a manually-operable switch part on said tool handle and constituting a hand piece normally grasped by the operator in manually directing said tool.

1,581,393. ATTACHMENT FOR LOOM TEMPLES. EDWARD A. CUNNIFF, Waltham, Mass. Filed Dec. 8, 1925. Serial No. 74,187. 5 Claims. (Cl. 139—292.)

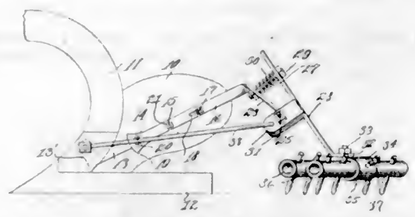


1. As an article of manufacture, a guard member arranged to be attached to existing loom temples, and arranged to hold a quantity of fibrous material whereby lubricant spattered by a loom temple will be caught and held by said fibrous material.

1,581,394. COMPOSITE ELEMENT AND METHOD OF MAKING THE SAME. ERNEST G. DANN, Cleveland, Ohio, assignor to The Dann Products Company, a Corporation of Ohio. Filed Jan. 11, 1918. Serial No. 211,324. 30 Claims. (Cl. 308—239.)

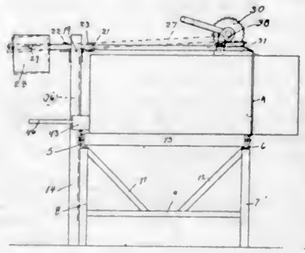
29. A method of producing bearings which consists in pressing a plurality of recesses in one surface of a strip of rolled sheet metal, thereby simultaneously hardening the adjacent metal, and then forming said strip into a cylindrical bearing.

1,581,395. HARROW ATTACHMENT FOR PLOWS. RALPH A. DANSKIN, Beaver Crossing, Nebr. Filed July 11, 1925. Serial No. 42,963. 1 Claim. (Cl. 97—5.)



A harrow attachment for a plow comprising a bar adapted for slidable and pivotal adjustment on the moldboard of a plow and arranged to extend laterally therefrom, the outer end of the bar being rearwardly and downwardly directed, and having a terminal eye carrying a pivot member, a lever extending longitudinally of the rearwardly directed portion of the bar and having a pair of depending ears straddling said eye and receiving said pivot member for vertical movement, a harrow carried by the rear end of the lever, a terminally headed bolt disposed through the forward end of said lever and the forward end of said rearwardly directed portion of the bar, and a spring on said bolt for rocking the lever to yieldably maintain the harrow in ground engaging position.

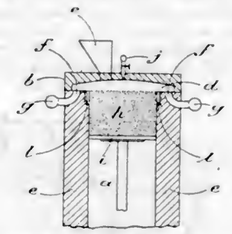
1,581,396. BOX-STRAPPING TABLE. HUGH DE HAVEN, San Francisco, Calif., assignor to Ti-It Machine Company, San Francisco, Calif. Filed Nov. 6, 1923. Serial No. 673,094. 3 Claims. (Cl. 100—57.)



1. In a box strapping table, the combination with a work support, of supporting means positioned above the work support, a plate pivoted to said supporting means, an arm adjustably secured to said plate, a counter-weight positioned on said arm at a point outside the plane of said work support, a wire-tying machine positioned on the opposite end of said arm from said counter-weight, whereby movement of said machine out of operative position will cause a tipping of said arm away from said work support.

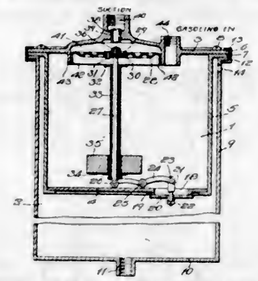
1,581,397. PROCESS AND ATTACHMENT FOR THE COMBUSTION, THE REDUCTION, OR THE TREATMENT OF SOLID MATERIAL OR OF PULVERIZED MINERALS. XAVIER DE SPIRLET, Brussels, Belgium. Filed Oct. 2, 1924. Serial No. 741,296. 3 Claims. (Cl. 263—21.)

1. A process for burning, oxidizing, reducing, roasting or like treatment of materials such as fuel and ores in pulverulent state, consisting in exposing the surface of material in a thin layer to the action of a gaseous agent, to cause certain elements of the said gaseous agent to react on certain elements of the thin layer of material, renewing such material while thus exposed and also removing the solid pulverulent material which is left after the reaction is finished to ensure continuous working, complete and uniform combustion of the carbon of a fuel



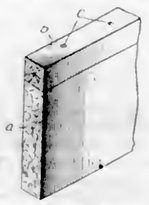
or complete combustion of the sulphur of a sulphide ore to be roasted etc., without formation of slag or agglomerations and without having to employ labour for cleaning the combustion or roasting furnace.

1,581,398. VACUUM-FEED TANK. JOHN A. DIENNER, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,281. 15 Claims. (Cl. 103—236.)



1. In a device of the class described, a chamber having a liquid inlet, a combined liquid outlet and air inlet, a suction connection and a motor operated by suction from said connection upon high level in the chamber for the combined liquid outlet and air inlet.

1,581,399. EXPANSION-JOINT-INSTALLING DEVICE. ALBERT C. FISCHER, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,364. 2 Claims. (Cl. 94—51.)

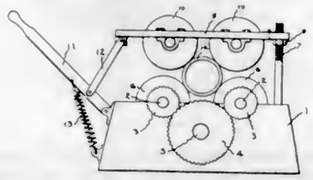


1. A joint crown installing device, comprising a strip providing a temporary crown for the expansion joint, said strip having impaling means on its underside adapted to be embedded in the material of the joint for detachably securing the strip to the joint.

1,581,400. PIPE-CLEANING MACHINE. WALTER J. GARNER, Lone Star, Petrolia, Tex. Filed June 22, 1923. Serial No. 647,053. 1 Claim. (Cl. 29—81.)

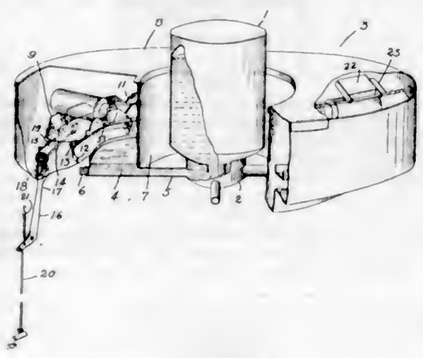
A pipe cleaning machine comprising in combination a plurality of main supports, a pair of parallel driven shafts mounted thereon, a pair of spaced discs having

screw threaded peripheries carried by each shaft for advancing longitudinally of the machine the pipe to be cleaned, a threaded standard mounted at one side of one of said main supports, a supporting element adjustably engaged with the standard, a secondary sectional support having one section engaged about the threaded standard and resting on the element, and the other section hinged to the first section for vertical swinging movement, abra-



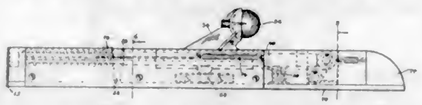
sive discs rotatably mounted on the swinging section of the secondary support and positioned above and intermediate the discs on the main supports, a lever pivoted to the main support opposite the standard and in limited connection with the outer end of the swinging section of the secondary support, and a spring arranged between the lever and the main support for insuring of an equalized pressure being applied on the pipe by the abrasive discs.

1,581,401. METHOD OF AND MEANS FOR HERMETICALLY SEALING CONTAINERS. MAX MUELLER, Newark, N. J., assignor to Cello Products Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1922. Serial No. 567,911. 10 Claims. (Cl. 226—80.)



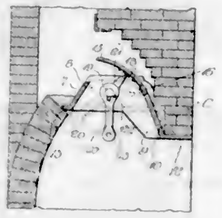
1. The method of hermetically sealing a container which consists in applying to the closure of the container a substance in liquid form and effecting the setting of said substance in the vapor of the solvent thereof.

1,581,402. GOLFER'S INDOOR PRACTICE TEE. EDWARD L. PENFRASE, Chicago, Ill. Filed Sept. 1, 1921. Serial No. 497,569. 20 Claims. (Cl. 265—20.)



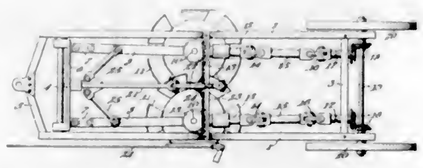
1. In combination, a yieldably mounted guide rod; a rider slidable thereon and having an upstanding bracket carrying a golf ball; a yieldably mounted impact member at the forward end of the rod adapted to be struck by said rider; means for recording the amount of impact movement of said member, and means for resetting the recording means.

1,581,403. FIREPLACE DAMPER. MATHIAS J. SKUBE, Seattle, Wash. Filed Oct. 19, 1925. Serial No. 63,416. 1 Claim. (Cl. 126—288.)



In a fireplace damper; a frame, a gravity-closed damper plate pivotally mounted to close the upper portion of said frame, the lower side of said damper plate having at one end a plurality of parallel ribs which extend longitudinally of said plate, and a lever fulcrumed at the inner side of said frame for swinging movement in a vertical plane transverse to said plate, said lever acting to raise said plate and having an upper end for engagement with said ribs to prop said plate in different open positions.

1,581,404. COTTON CHOPPER. CHARLES H. SMITH, Mart, Tex. Filed Dec. 20, 1924. Serial No. 757,179. 4 Claims. (Cl. 97—17.)

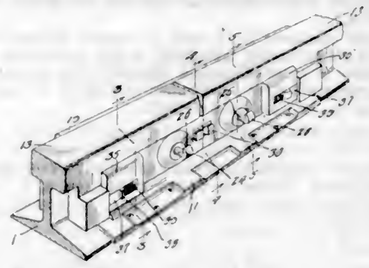


1. A cotton chopper, comprising a main frame and a wheeled support therefor, cutter supporting frames suspended at their front ends in the main frame, cutters mounted to rotate in said cutter supporting frames, articulated means geared to the wheeled support and the cutters for transmitting rotary motion to the cutters, and means for adjusting the cutter supporting frames and the cutters simultaneously away from and toward the longitudinal center of the machine.

1,581,405. RAILWAY-RAIL JOINT. LUTHER SMITH, Norristown, Pa., assignor of one-tenth per cent to William Green, two-tenths per cent to Hampton Stewart, two-tenths per cent to Wilson Scott, two-tenths per cent to Montgomery Wilson, and two-tenths per cent to Smith Darby, all of Norristown, Pa. Filed Nov. 6, 1925. Serial No. 67,440. 5 Claims. (Cl. 238—177.)

1. The combination with a railway chair, the side walls of which are apertured and the base of which is provided on either side of the center with an apertured seat, and railway rails, the confronting ends of which are slotted and adapted to lie within the chair, of a lug

depending from each rail and fitting within the apertured seats in the base of the chair, and a locking bar passing



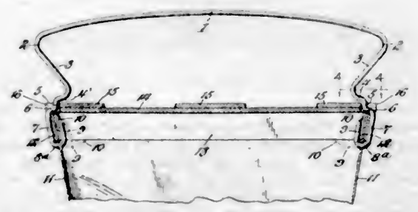
through the apertured side walls thereof and through the slotted ends of the rails to secure the chair and rails firmly together.

1,581,406. APPARATUS FOR BURNING WEEDS, ETC. HENRY S. STEBBINS, Jamestown, N. Dak. Filed Aug. 9, 1924. Serial No. 731,065. 12 Claims. (Cl. 126—271.2.)

1. In a surface heater, the combination with a vehicle, of a housing supported thereby, a plurality of burners arranged to direct flames within said housing, and adjustable means within the housing for dividing the interior of the latter into compartments.

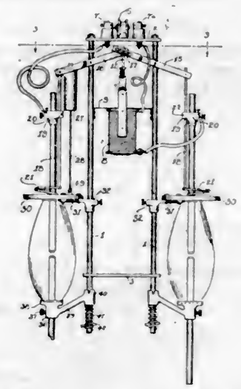
2. In a surface heater, the combination with a vehicle having a running gear frame, of a rearward extension from said frame supported solely thereby and overhanging surface to be heated, a burner mechanism carried by said extension above said surface, and a safety roller carried by said extension clear of said surface and disposed in a lower plane than the burner mechanism to prevent the latter from contacting with said surface.

1,581,407. COMBINED BASKET HANDLE AND COVER FASTENER. FRANK BOGART TOWNSEND, Penn Yan, N. Y., assignor of one-half to John E. McMath, Penn Yan, N. Y. Filed May 14, 1925. Serial No. 30,390. 3 Claims. (Cl. 217—125.)



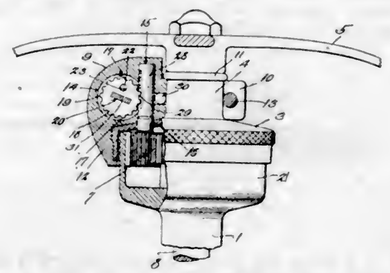
3. A combined basket handle and cover fastener formed of wire and comprising a grip portion arranged transversely of the basket and having terminal hanger arms joined thereto, said arms downwardly converging toward each other, and provided with outwardly curved terminals constituting upper shoulders to traverse notches in the sides of said cover and to overlie and hold the same, said shoulders terminating at their outer ends in vertically disposed arms to fit the inner ends of said notches, said arms being joined to lower shoulders which rest upon the top edges of the basket and the inner and outer bands thereof, and terminate at their outer ends in downwardly directed arms to lie against the outer face of the said outer band, said arms being bent inwardly at substantially right angles to provide clinching arms having terminal points and adapted to be forced endwise through the sides of the basket below the bands and thence bent upwardly against the inner face of the inner band to rigidly hold the device in place on the basket.

1,581,408. ARC LAMP. JAMES H. WAGENHORST, Jackson, Mich. Filed Oct. 6, 1919. Serial No. 328,791. 20 Claims. (Cl. 176—59.)



20. In an arc lamp, the combination of a frame, lever mechanism pivoted on the frame and including oppositely extending arms, a solenoid, a core for said solenoid connected to one of said arms, upper and lower electrodes connected in an electric circuit with said solenoid, and means suspending said upper electrode from the opposite arm of said lever mechanism, said upper electrode being maintained in axial alinement with the lower electrode by said suspending means.

1,581,409. SAFETY LOCKING DEVICE. JOSEPH L. WALKER and GEORGE D. ALEXIS, Baton Rouge, La. Filed Jan. 19, 1924. Serial No. 687,352. 5 Claims. (Cl. 70—46.)

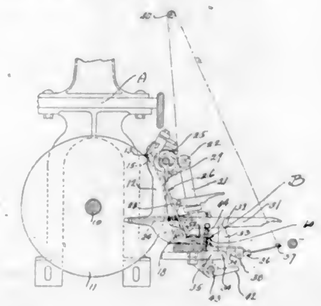


1. A lock of the class described including a member having intersecting recesses, a locking bolt slidable in one of the recesses and having teeth thereon, separate toothed tumbler disks loosely mounted within the other recess, certain of said disks being constantly in mesh with the teeth on the bolt, means within the recessed member for engagement by the disks to hold them against rotation, and a key insertible into the disks to aline and rotate them and support the disks out of engagement with the holding means.

1,581,410. INSECT OR VERMIN TRAP OR DESTROYER. CHARLES R. WELSH, Honolulu, Territory of Hawaii. Filed July 1, 1925. Serial No. 40,810. 4 Claims. (Cl. 43—109.)

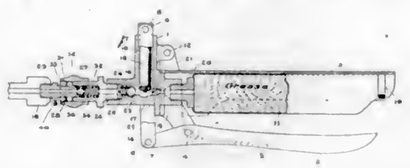
1. An insect trap which comprises spaced supporting discs, and an insecticide carrier centrally supported and projecting radially from the central support.

1,581,411. STOP-MOTION MECHANISM FOR WINDING MACHINES. WILLIAM OTIS WILSON, Clover, S. C. Filed Nov. 24, 1924. Serial No. 752,013. 12 Claims. (Cl. 247—36.)



1. In a winding machine the combination of a pivoted cop supporting member, a pivoted brake member adapted to act with a brake action on a cop being formed, means including a latch to releasably hold the brake member out of braking relation to the cop, and means carried by said cop supporting member and latch whereby to trip the latter when the cop has reached a predetermined size.

1,581,412. GREASING DEVICE. FRANK A. WISHART, Oakland, Calif., assignor of one-half to Lewis N. Devincy, Oakland, Calif. Filed Feb. 12, 1923. Serial No. 618,566. 4 Claims. (Cl. 221—47.3.)

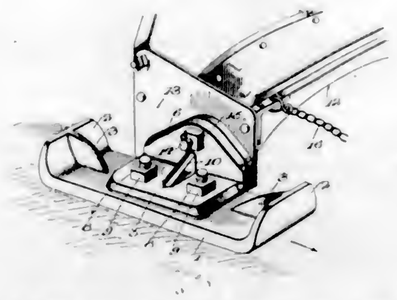


1. In a grease gun of the character described, a body having a pump cylinder formed therein with an inlet and an outlet passage, a plunger in the cylinder projecting at one end therefrom, a pair of operating handles projecting from the body, one of said handles being pivoted to the body at a point remote from the projecting plunger, a pair of links passing entirely across the body at opposite sides thereof pivoted at one end each to the pivoted handle at a point beyond one side of the body, and at the other ends each to opposite sides respectively of the projecting plunger at a point beyond the other side of the body.

1,581,413. PAINT AND VARNISH REMOVING COMPOSITION. RAYMOND M. YOAKAM, Lima, Ohio. Filed Apr. 5, 1924. Serial No. 704,491. 1 Claim. (Cl. 87—5.)

A dry compound for a paint or varnish remover, comprising the following ingredients in the proportions substantially as specified, sodium hydroxide 11¼ oz., sodium mono-carbonate ¼ oz., ammonium chloride ¼ oz., calcium carbide ⅛ oz., and starch 2 oz.

1,581,414. SLIDE-SHOE ATTACHMENT FOR ROAD GRADERS. HENRY T. YOUNG, Darlington, S. C. Filed Sept. 16, 1925. Serial No. 56,691. 4 Claims. (Cl. 37—148.)



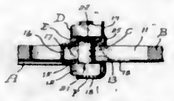
1. A slide shoe comprising a substantially flat body having identical upturned end portions, said body having a pair of vertical openings formed therethrough along the longitudinal median line of the body at opposite sides of the transverse median line of the body, and equidistant from the transverse median line of said body, and a bracket having a member adapted to be superimposed on said body and having openings adapted to be placed in register with the openings in said body, fastening devices including members extending through said aligned openings of the bracket member and the body, and means whereby said bracket can be secured to an end portion of a cross member of a road grader.

1,581,415. LANDING APPARATUS OF AIRCRAFT. MICHAEL ADAMCZIK, Kowno, Lithuania. Filed Dec. 13, 1923. Serial No. 680,554. 7 Claims. (Cl. 244—2.)

1. A land apparatus for air-craft comprising in combination a ski-runner, pendulous arms to which the ski-runner is attached, wheels slightly projecting through the ski-runner, means for resiliently supporting the wheels on the ski-runner, said means being such as to allow a relative movement between the wheels and the ski-runner, and means on the pendulous arms enabling the whole of the landing apparatus to be pivoted to the axle journal of the aeroplane.

1,581,416. LICENSE-PLATE CLIP. LEMAN J. ALPAUGH, Fenton, Mich. Filed Jan. 12, 1925. Serial No. 1,994. 5 Claims. (Cl. 151—2.)

1. As an article of manufacture, a locking means for bolts and nuts, comprising a strip like member formed with a flat main body portion having a right angularly disposed flange formed at one end thereof, said main body portion comprising a plurality of washer like portions formed in contiguous longitudinal alignment, and said

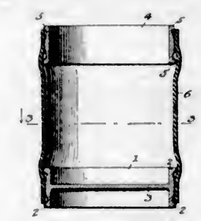


flange having an offset adjacent its juncture with the main body portion, substantially as and for the purpose set forth.

1,581,417. METHOD AND MEANS OF UNITING COPPER TO STEEL. ROBERT R. APPLEGATE and JOHN B. AUSTIN, Cleveland, Ohio, assignors to Rail Welding and Bonding Company, Cleveland, Ohio, a Corporation of Delaware. Filed Mar. 13, 1922. Serial No. 543,486. 8 Claims. (Cl. 219—8.)

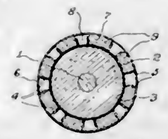
7. As a new article of manufacture, an alloy welding rod consisting predominantly of copper and having silicon distributed substantially uniformly therein in a substantial amount and up to about .35%.

1,581,418. DRINKING CUP. WALTER S. BAKER, Normal, Nebr. Filed Aug. 4, 1924. Serial No. 729,987. 2 Claims. (Cl. 150—3.)



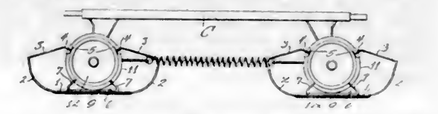
1. In a drinking cup of the class described, upper and lower annular members provided on their upper and lower peripheral edges with beads, the aforesaid lower member having a bottom formed midway of its outer peripheral edges, a tubular elastic rubber body member removably applied to the outer peripheries of said annular members and having its upper and lower peripheral edges abutting respectively the upper and lower beaded edges of said upper and lower members, the lower beaded edge of the aforesaid lower member adapted to form a rigid base.

1,581,419. BATTERY. PABLO A. BARBOSA, Buga, Valle, Columbia, assignor of thirty per cent to Alegandro-Velasquez, B., New York, N. Y. Filed Oct. 31, 1924. Serial No. 747,002. Renewed Mar. 16, 1926. 3 Claims. (Cl. 136—107.)



1. A dry cell comprising a metal container serving as an electrode, a carbon electrode therein, a depolarizing mass comprising carbon, graphite, and manganese dioxide, partitions between the depolarizing mass and the metal container, spaced bodies of electrolyte between said partitions, a space between said partitions and the metal container, said space providing room for the expansion of said electrolyte.

1,581,420. SLED RUNNER FOR COASTERS. ESTEN BURLEIGH BEELER, Chicago, Ill., assignor to Simon J. Harbaugh, Chicago, Ill. Filed Mar. 30, 1925. Serial No. 19,348. 1 Claim. (Cl. 280—13.)



A runner for vehicle wheels comprising a substantially flat body portion, an auxiliary strip secured to the upper face of the central portion of said body portion and having ends bent upwardly and inwardly, said ends being recessed, the body portion having integral upwardly curved ends and portions bent back toward one another, said bent-back portions being provided with arc-shaped shoes arranged to engage the wheel above the center thereof, said upwardly curved and backwardly bent portions being of spring material and being adapted to be sprung apart to receive the wheel and to grip the wheel when released, said auxiliary strip being arranged to support the botttom of the wheel at the center of the strip, and the recessed ends of the auxiliary strip being arranged to engage the wheel on opposite sides of and below the center of the wheel.

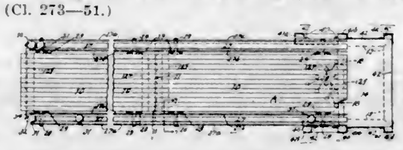
1,581,421. CLEANER AND PAINT REMOVER. ANTON N. BEEBE, Seattle, Wash., assignor to Jay Todd and Verne J. Todd, both of Seattle, Wash. Filed Dec. 1, 1924. Serial No. 753,355. 3 Claims. (Cl. 87—5.)

1. A cleaner and paint remover formed by mixing eight ounces of potash, one and a half ounces of glycerin, one ounce of clorox, two ounces of aqua ammonia, three and a half ounces of corn starch, sixteen ounces of grain alcohol, ten drops of anise oil, two and half ounces of sodium silicate, and five pounds of distilled water.

1,581,422. PIN HOLDER. WILLIAM V. BERGEN, Hillsboro, Oreg. Filed Feb. 9, 1925. Serial No. 8,033. 2 Claims. (Cl. 223—60.)

1. A pin holder comprising a substantially triangular casing formed of a single piece of resilient material arranged to provide a base, a substantially vertical rear wall, and an inclined front wall, the adjacent edges of said front and rear walls being spaced from each other to form a slot for the reception of pins.

1,581,423. COLLAPSIBLE BOWLING ALLEY. OWEN W. BLANCHARD, St. Paul, Minn., assignor to Blanchard Collapsible Bowling Alley Co., Inc., St. Paul, Minn. Filed Aug. 3, 1925. Serial No. 47,986. 5 Claims. (Cl. 273—51.)



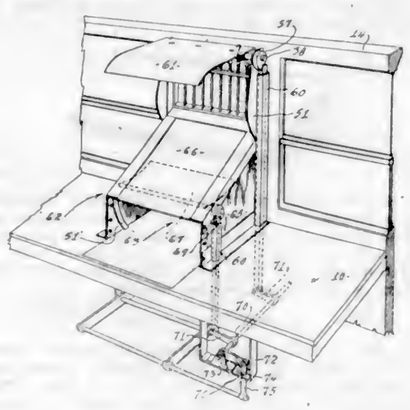
1. In a bowling alley comprising a plurality of detachable track sections, a pit frame adapted to support the rear end of the rear track section, extensible legs

supporting the front end of each track section and pivotally secured thereto, ball gutters detachably secured to the track sections and arranged in forwardly and downwardly sloping alinement to the front end of the alley, a stop member in each front gutter, a removable flexible guard for said pit frame and arranged in a U-shaped formation opening toward the front of the alley; and means for securing the abutting ends of the alley sections firmly together.

1,581,424. WASHABLE GARTER. EDWARD CHARLES BLOMEYER, Kansas City, Mo. Filed Apr. 27, 1925. Serial No. 26,268. 3 Claims. (Cl. 241—6.)

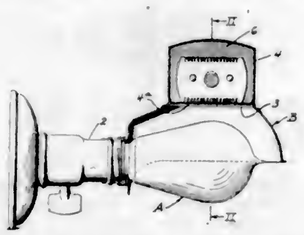
1. A washable garter comprising a resilient fabric body portion having reenforced ends, a clasp member secured to one of said reenforced ends, a pair of slots carried by the other reenforced end and extending transversely of the longitudinal axis of the garter, said last named slots being arranged to receive the body portion whereby a loop is formed, a slidable stop member for determining the size of the loop, the end of the garter bearing the clasp being adapted to pass through said loop.

1,581,425. PROTECTIVE DEVICE FOR BANK TELLERS. THOMAS M. BRINTNALL and GUSTAVE G. UTH, Los Angeles, Calif. Filed Aug. 12, 1924. Serial No. 731,604. 6 Claims. (Cl. 20—1.01.)



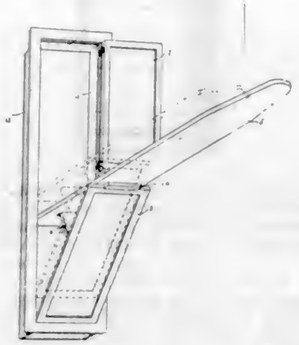
1. In combination, a counter, a vertical wall forwardly thereof provided with an aperture extending upwardly from the counter, an open end hood arched over the counter with its forward end immediately adjacent said aperture and the rear end remote from said aperture, and a closure adjacent the rear end of the hood, movable to open position to permit passage of money and the like through said hood; said closure also movable to effectually close said opening.

1,581,426. DEVICE FOR DRYING SAFETY RAZORS. JAMES W. COONS, Woodland, Calif. Filed Sept. 8, 1925. Serial No. 54,889. 8 Claims. (Cl. 34—26.)



8. The combination with an electric lighting bulb and a shade therefor of a housing attached to the shade, said housing forming a receptacle for an article to be dried and means whereby the heat from the bulb may be directed into the housing to cause a heating and drying action.

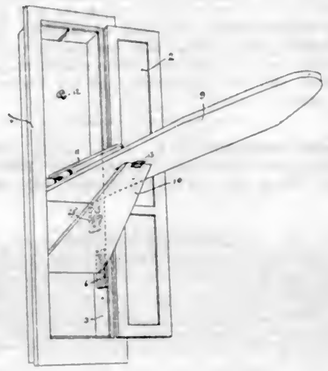
1,581,427. ADJUSTABLE AND COLLAPSIBLE WALL FIXTURE. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Nov. 4, 1924. Serial No. 747,819. 1 Claim. (Cl. 68—10.)



The combination of a vertically collapsible and horizontally extendible service board with an angularly disposed strut and spacing bar therefor pivoted at its ends respectively to said board and strut intermediate their ends all arranged to form when extended an assemblage for vertical movement as a unit, and mounted between the vertical walls of a recess having vertically spaced notches opening into channels, projections from the strut and board engaging the channels and adapted for positioning selectively into various of the notches upon bodily moving the assemblage to various points of elevation.

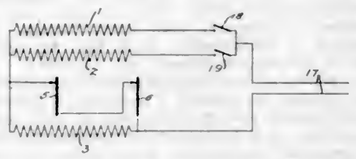
1,581,428. CABINET FURNITURE. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Dec. 18, 1924. Serial No. 756,641. 2 Claims. (Cl. 68—10.)

1. The combination of a wall cabinet and service board pivotally collapsible therein and extendible therefrom, pivotal projections from the cabinet end of the board engaging vertically arranged slots in the sides of the cabinet, a strut hinged at one end to the under side of the board and having pivotal projections at the other end engaging vertically arranged slots in the sides of the cabinet, the slots for the strut projections being open at their upper ends for free removal of the strut



projections from the slots and cabinet, and the strut being hinged to the board at a point so as to withdraw the strut projections from their open slots upon raising the board to an elevated position on its pivotal mounting.

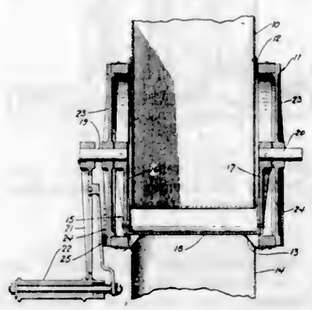
1,581,429. HEATER PAD. HAROLD P. DONLE, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed July 16, 1925. Serial No. 43,915. 3 Claims. (Cl. 219—46.)



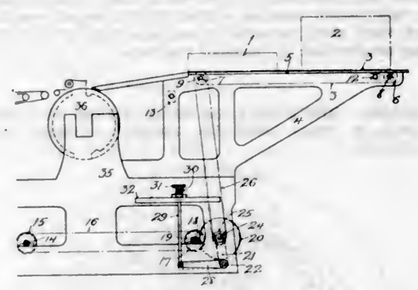
1. In a heating device, a plurality of resistance heating elements connected in parallel, circuit closing means for said heating elements, a thermostat in series with said heating elements, another resistance element in parallel with said thermostat and in series with said heating resistance elements, whereby when the thermostat opens the circuit, the current flow will be through said resistance element which is in parallel with said thermostat and the current through all the resistance elements reduced.

1,581,430. CONTROL GATE. LOUIS L. EDMUNDS and JOHN C. ANDERSEN, Crockett, Calif. Filed May 18, 1925. Serial No. 31,247. 1 Claim. (Cl. 251—96.)

A control gate comprising a vertically disposed feed chute having a squared end in a plane at right angles to the longitudinal axis of the chute, a cylindrical housing mounted on the end of said feed chute, the axis of the housing extending transversely of the longitudinal axis of the chute and intersecting the same, said chute extending within the housing and substantially across the diameter of the housing, said housing having an outlet opening opposite the end of the chute, head members at opposite ends of said housing, horizontally disposed trunnions journaled at the center of said head members and projecting within the housing, a pair of end segments disposed one at each end of the housing interiorly thereof, said end segments secured to said trunnions whereby they will swing in concentric relation to said housing, an arcuate valve plate extending between the ends of said segmental end members and normally positioned over the open end of said feed chute, said valve plate having a chord slightly longer than the diameter of the feed chute, the mounting of said end members permitting said valve plate to be swung in concentric relation to the housing over the end of said feed chute, a serrated segment secured exteriorly of one of said head members, a crank arm secured on one of said trunnions exteriorly of the housing and said serrated segment, a spring-pressed catch carried by said crank arm engageable with said serrated segment whereby said valve structure may be placed and retained in a selected position relative to the open end of said chute.



1,581,431. FEEDING DEVICE FOR PRESSES. FRED S. ENGLISH, New London, Conn. Filed June 30, 1923. Serial No. 648,846. 2 Claims. (Cl. 271—8.)

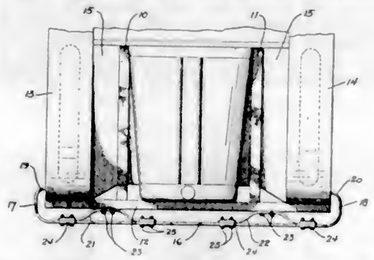


1. The combination with a press of a feed table, movable means on which a stack of sheets is adapted to rest and to be advanced into feeding position, including endless flexible members, a gear, and means for operating it from a shaft of the press, a second gear adapted to be thrown into and out of mesh with said first gear, and means operated by said second gear for operating said endless flexible members, and manually operated means for throwing said gears into and out of mesh.

1,581,432. AUTOMOBILE END FENDER. ROLLIE B. FAGEOL, Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Feb. 18, 1925. Serial No. 9,981. 3 Claims. (Cl. 293—55.)

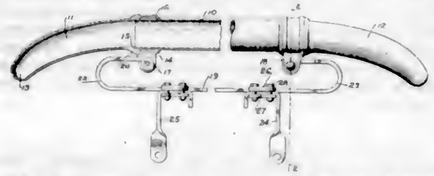
1. In combination with an automobile frame and its side fenders, an end fender construction comprising a

horizontally disposed bumper bar extending transversely of the automobile frame and terminating in ends which curve around and hook over the edge of the automobile



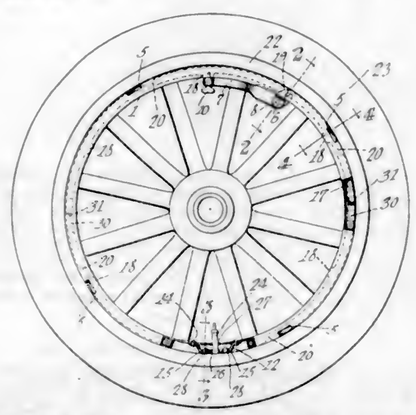
fenders, and in spaced relation thereto and resilient means for holding said bumper in its transverse position relative to the automobile frame.

1,581,433. SEMIRESILIENT BUMPER. ROLLIE B. FAGEOL, Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed June 3, 1925. Serial No. 34,537. 4 Claims. (Cl. 293—55.)



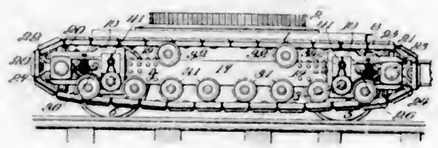
2. An automobile bumper comprising a resilient mounting structure disposed horizontally of an automobile frame and terminating in forwardly bent resilient loops a rigid impact member carried by the looped portions and rigid horns mounted at opposite ends of said impact member and overhanging the loops.

1,581,434. RIM LOCK. LEO FEHR, Norfolk, Va. Filed Sept. 8, 1924. Serial No. 736,575. 1 Claim. (Cl. 301—26.)



In a device of the class described, a felly comprising a base and side flanges, a ring rotatable on the base, the ring and one flange having openings adapted to be brought into registration when the ring is rotated, a rim having lugs adapted to enter the openings when they are in registration and when the rim is moved transversely of the felly, mechanism carried by the felly for rotating the ring, a single bracket mounted on the base of the felly and located about opposite to said mechanism, the bracket and said mechanism forming the sole projections on the outer surface of the base of the felly, and means for connecting the bracket with the base of the felly, the ring being held for rotation between said flange on the one hand, and said mechanism and the bracket on the other hand.

1,581,435. CONVERTIBLE CAR AND TRACTOR. HENRY FOAT FLOWERS, Findlay, Ohio. Filed Apr. 2, 1924. Serial No. 703,735. 6 Claims. (Cl. 105—215.)

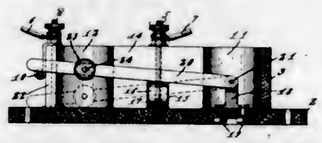


1. A convertible car and tractor including in combination, a body portion, wheels carried by said body portion for movably supporting it, an endless tractor apron at each side of the car, shiftable bodily vertically from effective position for supporting the car with the wheels raised from the track to ineffective position wherein the car may be supported on said wheels, and removable devices for supporting the tractor apron in raised position on the car and for supporting the car on the tractor apron in lowered position.

1,581,436. PROCESS OF PRODUCING COMMERCIAL HYDROCHLORIC ACID. HUGH A. GALT, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Mar. 23, 1923. Serial No. 627,091. 3 Claims. (Cl. 23—154.)

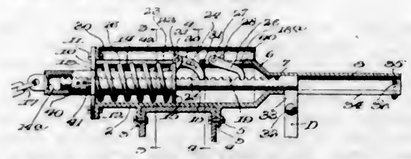
1. A process of producing commercial hydrochloric acid which consists in treating a solution of concentrated calcium chloride with sulphuric acid of such degree of concentration as to produce precipitated calcium sulphate and commercial concentrated hydrochloric acid, allowing the mixture to stand and react, and filtering off the acid.

1,581,437. FIRE ALARM. JAMES E. GOODWIN, Cedar Bluff, Va. Filed Mar. 8, 1924. Serial No. 697,793. 1 Claim. (Cl. 200—142.)



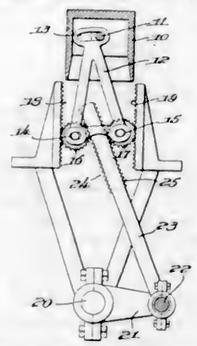
In a device of the class described, a base and a body on the base, the body having recesses and a reduced slot connecting the recesses, the body being provided with lateral chambers communicating with the intermediate portion of the slot, the recesses and the slot extending from the base entirely through the body, the chambers extending from the base partway through the body, a switch lever disposed in the recesses and in the slot, a fulcrum for the lever, mounted on the base within one recess and accessible through said recess, a weight adjustable along the lever and located in the other recess, means accessible through said other recess for holding the weight in adjusted postions, terminals in the chambers and cooperating with the lever, securing devices connecting the body with the base and retaining the terminals, the securing devices embodying means external to the body for bringing the terminals into a circuit, and means for holding the lever releasably out of engagement with the terminals.

1,581,438. SLACK ADJUSTER. DAVID GRATTAN, Los Angeles, Calif. Filed Sept. 26, 1925. Serial No. 58,840. 6 Claims. (Cl. 188—200.)



1. An automatic slack adjuster for use with conventional railway brakes having the usual live lever and dead lever and comprising a casing having an elongated guide at one end, an adjusting bar slidably fitted in the guide and having a plurality of notches, a sleeve slidably fitted on the bar, spring means between the casing and the sleeve urging the sleeve inwardly of the casing, a pawl connected to the sleeve and engageable with the notches of the bar, an abutment on the casing engageable with the pawl for holding it in one of the notches of the bar when the pawl and abutment are engaged, an anchoring pawl pivoted on the casing and engageable with the notches of the bar, and a chain between the sleeve and the live lever.

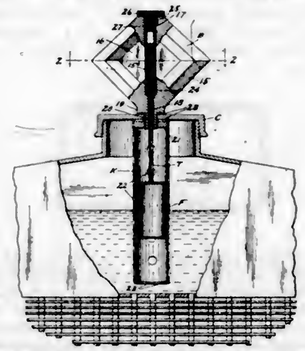
1,581,439. POWER-TRANSMISSION MEANS. THADDEUS J. E. GRAY, Evansville, Ind. Filed May 21, 1925. Serial No. 31,940. 2 Claims. (Cl. 74—14.)



1. Power transmitting means for reciprocating engines comprising a piston; a thrust member carried by said piston; a pitman; a crank shaft; a crank thereon in engagement with said pitman; stationary racks; gears carried by said thrust member and arranged to engage and roll on said racks; said pitman having racks thereon arranged to engage said gears; and means forming part of said thrust member whereby said gears will remain in engagement with said racks regardless of the position of said pitman.

1,581,440. WATER GAUGE FOR RADIATORS FOR MOTOR VEHICLES. HENRY H. HAMMERSTROM, Monrovia, Calif., assignor, by direct and mesne assignments, to H. & H. Watameter Co., Los Angeles, Calif., a Corporation of California. Filed Dec. 22, 1921. Serial No. 524,143. 1 Claim. (Cl. 73—82.)

A float indicator for radiators comprising a body adapted to be mounted upon the top of the radiator cap, said body having a comparatively thin center portion which is vertically slotted, there being a marginal bead formed on said body, ducts formed through the bead at the top and bottom thereof in alignment with said slotted portion, a transparent tube disposed in the slot and having its ends extending into said ducts, a removable plug closing the upper duct and the upper end of said tube, there being a threaded extension formed at the

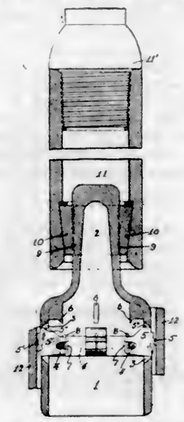


bottom of said body extending through the radiator cap, the bottom duct extending through said extension, a perforated protective casing mounted upon said extension upon the under side of the radiator cap, a hollow float freely movable within said casing, and a hollow stem mounted upon the float and communicating with the interior thereof, said stem and float being imperforate and the stem extending slidably into said tube.

1,581,441. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio, assignor of one-half to James R. Rose, Edgeworth, Pa. Filed June 2, 1923. Serial No. 642,908. 1 Claim. (Cl. 48—3.)

A gas especially useful for welding and cutting purposes consisting of a mixture of acetylene and ordinary coal gas in proportions of from not materially less than 10 parts to not materially more than 50 parts by volume of acetylene, to from not materially greater than 90 parts to not materially less than 50 parts by volume of such coal gas.

1,581,442. HEAVING PLUG FOR WELL CASINGS. JESSE LOUIS HAWKINS, Bakersfield, Calif. Filed Jan. 20, 1925. Serial No. 3,633. 4 Claims. (Cl. 166—13.)



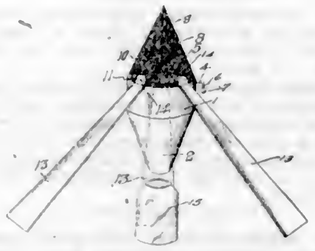
1. A heaving plug for well-casings comprising a hollow shell having openings in its side walls; casing-engaging slips functioning through said openings; and pivotal

mountings carried by and within the shell, one for each slip, said mountings being disruptable under jarring stress imposed upon said shell.

1,581,443. HEAT-RESISTING ARTICLE. JOHN CLIFTON HENDERSON, New York, N. Y., assignor to Driver-Harris Company, Harrison, N. J., a Corporation of New Jersey. Filed Apr. 9, 1925. Serial No. 21,749. 4 Claims. (Cl. 263—49.)

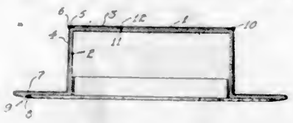
1. A container subjected when in use to high external temperatures, having a body portion comprising a cast mass of high heat resisting alloy and a wrought reenforcing and strain resisting member of similar alloy embedded in said mass, there being a weld between said cast mass and said wrought member, the exterior wall of said container having an angle and said wrought member being angular and extending around said angle within said wall.

1,581,444. RAT AND MOUSE TRAP. CHARLES S. HOLROYD, Carlton, Oreg. Filed May 3, 1923. Serial No. 636,303. 1 Claim. (Cl. 43—69.)



A trap comprising a substantially cone shape body having its end of large diameter upwardly disposed, a trap door pivotally mounted at the upper end of the body, a hood disposed over the upper end of the body and provided at its side with openings, runways connected at their upper ends with the body at the openings in the hood, said runways being arranged in the form of a tripod, the runways being greater in length than the vertical height of the cone shaped body and whereby the lower smaller end of the body is elevated above the surface of the support upon which the runways may rest.

1,581,445. HAT PROTECTOR. JOHN E. HOOVER, Washington, D. C. Filed Apr. 8, 1922, Serial No. 550,777. Renewed Mar. 15, 1926. 1 Claim. (Cl. 2—187.)



A hat protector including a top crown piece, a side crown piece having its upper edge connected to the outer edge of the top crown piece, an annular tubular casing arranged at the place of connection of said pieces and provided with a mouth, a resilient split ring arranged in said casing and adapted to be removed from the casing through said mouth, said ring having knobs at its ends to prevent puncturing of the casing while threading the ring into or removing the same from said casing, a brim piece connected to the lower edge of the side crown piece and provided at its edge with an elastic band.

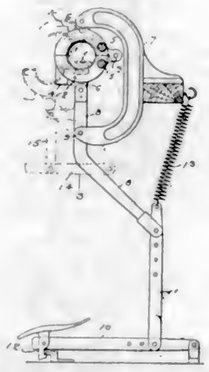
1,581,446. FLUX. WILLIAM HOXIE, White Pigeon, Mich., assignor to Henry S. Geery, Stamford, Conn. Filed May 26, 1924, Serial No. 715,922. Renewed Dec. 3, 1925. 8 Claims. (Cl. 148—26.)

4. As a composition of matter, a welding and brazing compound consisting of the following ingredients pulverized and intimately mixed in the following proportions: borax, 80%; oxide of iron, 10%; bicarbonate of soda, 5%; and sal ammoniac, 5%.

1,581,447. FLUX. WILLIAM HOXIE, Shellman, Ga., assignor to Henry S. Geery, Stamford, Conn. Filed Mar. 19, 1925. Serial No. 16,605. 16 Claims. (Cl. 148—26.)

5. A flux comprising borax, oxide of iron, a carbonate of soda, sal ammoniac, and calcium sulphate.

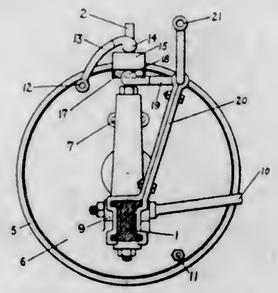
1,581,448. TUBE-SPLICING DEVICE. ANDREW HUETTER, Detroit, Mich., assignor of forty-nine one-hundredths to Kurt Roehll, Dayton, Ohio, and twenty-five one-hundredths to Elfriede Betty Huetter, Detroit, Mich. Filed July 21, 1924. Serial No. 727,387. 27 Claims. (Cl. 18—18.)



26. A tube splicing device or the like, a matrix comprising a pair of semi-annular jaws and an expansible mandrel within said jaws, the expansion of which exerts pressure against the ends of the tube to be spliced, and means for introducing fluid under pressure between the mandrel and the spliced tube to free the tube from the mandrel.

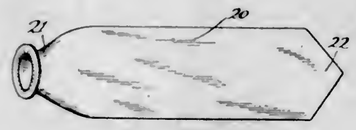
1,581,449. BRAKING DEVICE FOR FRONT WHEELS OF MOTOR CARS. VENANCIO IZQUIERDO, Buenos Aires, Argentina. Filed May 29, 1924. Serial No. 716,763. 10 Claims. (Cl. 188—194.)

5. Steering wheel braking mechanism for motor cars comprising a brake plate for each wheel; a lever mounted on each brake plate and adapted to operate the brake shoes, said lever being forked at its free end; a bolt secured to the axle of each wheel; a disc slidably mounted on each bolt and having a groove therein; and a double bent lever for each brake plate for actuating said discs whereby upon actuation of the brakes the



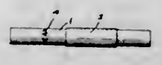
forks of the first-named lever will cooperate with the groove of its disc to prevent application of the brake of the outside wheel when the car is rounding a curve.

1,581,450. INNER DUST BAG FOR VACUUM CLEANERS. MABEL J. KAMPF, Hollywood, Calif. Filed Oct. 20, 1924. Serial No. 744,809. 1 Claim. (Cl. 183—44.)



In combination with the dust bag of a vacuum cleaner, a paper lining bag removably positioned in said dust bag, said lining bag having a tapered neck, and a ring formed of relatively stiff material through which the neck on the bag extends, the edges of the neck on the bag being secured to the ring whereby the ring provides a relatively stiff flange on the neck of the bag adapted to be positioned between the companion flanges on the dust bag and on the cleaner.

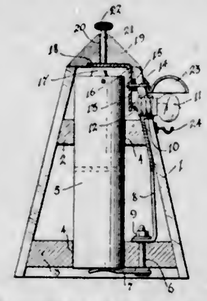
1,581,451. FIRE-SAFE CIGARETTE. JOHN F. KNAPP, San Jose, Calif., assignor of one-half to Frank C. Hewitt, Davis, Calif. Filed Oct. 6, 1925. Serial No. 60,828. 1 Claim. (Cl. 131—52.)



A cigarette with a single tubular band of paper slidably fitting over and upon the paper wrapping thereof, said band being of relatively heavy paper adapted to resist burning when projected over the fire of the lighted cigarette.

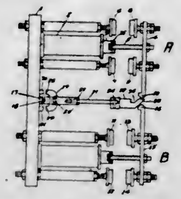
1,581,452. WATCH STAND. EDWARD H. KREHBIEL, Ottawa, Ill. Filed Feb. 28, 1923. Serial No. 621,897. 1 Claim. (Cl. 240—6.4.)

A device of the character described comprising a substantially pyramidal casing, means for supporting a watch upon one side wall of said casing, and electrically operated means, including a switch, for illuminating said



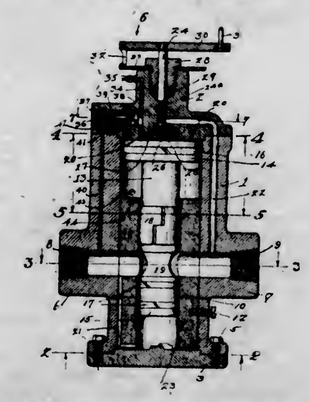
watch upon the operation of said switch, said switch being provided with a hand grip extending upwardly from the apex of said pyramidal casing.

1,581,453. SWITCH-INTERLOCKING MECHANISM. DAVID C. LARSON, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 16, 1924. Serial No. 686,557. 4 Claims. (Cl. 200—50.)



1. Interlock mechanism for electromagnetic switches comprising in combination a pair of switch arms, and a locking cam interposed in the operating path of one of said arms but movable thereby into the operating path of the other arm to lock said other arm in position.

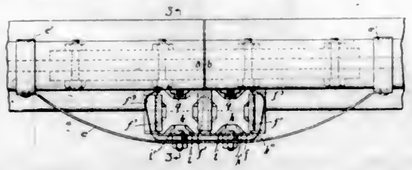
1,581,454. FLUID-PRESSURE REGULATOR. J SIGFRID LARSON, Portland, Oreg. Filed Oct. 17, 1922. Serial No. 595,181. 5 Claims. (Cl. 50—34.)



1. In a fluid pressure regulating valve of the character described, a valve chamber provided with alined inlet and outlet ports through its sides, for the actuating fluid, a main piston of uniform cross section reciprocating in said

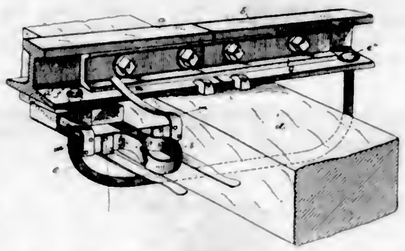
chamber, adapted to cut off said ports simultaneously, said piston provided with a peripheral recess adapted to permit the passage of the operating fluid through said ports, and ducts connecting said inlet port and said outlet port with the opposite ends of said valve chamber, one of said ducts being valve controlled and that end of said chamber also provided with a valve controlled outlet.

1,581,455. MOLD FOR CAST-WELDING RAIL BONDS. JOHN C. LINCOLN, Cleveland, Ohio, assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 20, 1916, Serial No. 98,827. Renewed Nov. 6, 1925. 11 Claims. (Cl. 22—116.)



1. A removable mold for cast-welding rail bonds, comprising a block having a plurality of carbon-faced recesses adapted to receive the terminals of an electric bond; each recess being formed to embrace the bond terminals upon three sides and position them adjacent to the rail ends respectively, and means for removably clamping the block and bond in position for cast-welding the bond terminals upon the rail ends, substantially as set forth.

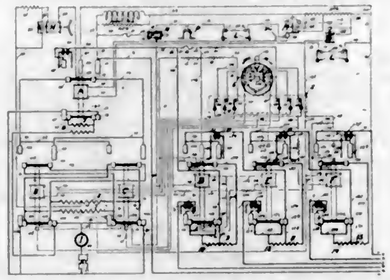
1,581,456. METHOD AND MEANS FOR BONDING RAILWAY RAILS. JOHN C. LINCOLN, Cleveland, Ohio, assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 18, 1918, Serial No. 245,501. Renewed Nov. 6, 1925. 17 Claims. (Cl. 219—8.)



1. The herein described method of electrically bonding rails, consisting in producing an aperture through each base flange of abutting rails by locally directing a heating flame against the flange, positioning the bond with its terminals respectively registering with said apertures, directing a heating flame against a terminal and an additional member of bonding material, and forming a fused connection between the bond terminal, the sides of the aperture and the bottom of the rail, substantially as set forth.

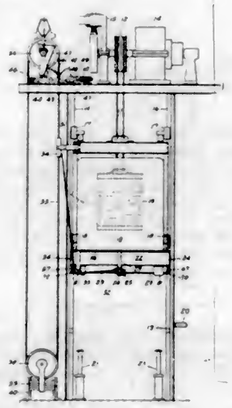
1,581,457. MOTOR-CONTROLLING APPARATUS. DAVID L. LINDQUIST, Hartsdale, and DAVID C. LARSON, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 27, 1920. Serial No. 399,379. 4 Claims. (Cl. 172—152.)

1. In an electric elevator, the combination with the car and an electric hoisting motor, of a plurality of current supply mains of unlike voltages, electro-magnetically operable reversing and speed switches adapted to pair the mains for unlike voltages and connect the motor to them, an operating switch for the car, the windings of the reversing switch being adapted for connection by the car switch to a pair of the supply mains and the windings of the speed switches being adapted for connection



by the car switch across the motor armature an additional electromagnetically operable switch for controlling the motor field strength, said last named switch having one end of its winding connected to the winding of the accelerating switches and the motor armature and the other end connected to one of the mains.

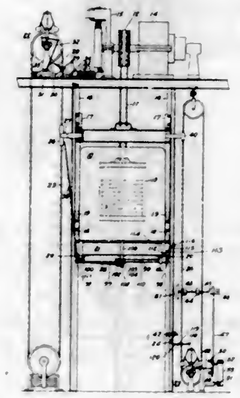
1,581,458. ELEVATOR SAFETY APPLIANCE. DAVID L. LINDQUIST, Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 11, 1924. Serial No. 725,428. 21 Claims. (Cl. 187—90.)



5. In an elevator system, the combination of an elevator car having a safety device thereon adapted to be actuated for gripping the elevator guide rail, a second safety device comprising a buffer in the elevator pit for stopping the car and means for preventing the simultaneous action of the two safety devices.

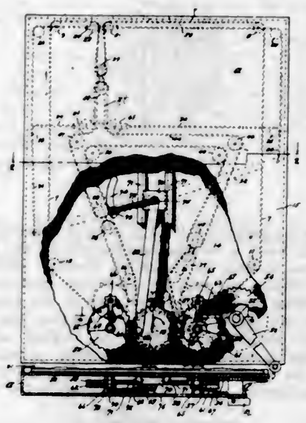
1,581,459. ELEVATOR SAFETY APPLIANCE. DAVID L. LINDQUIST, Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 11, 1924. Serial No. 725,429. 45 Claims. (Cl. 187—90.)

22. In an elevator system including a guide rail for the elevator car, the combination of an elevator car having a safety brake thereon adapted to be actuated to grip the elevator guide rail, governor means operative to actuate said safety brake into gripping engagement with the rail when the elevator car is traveling above a predetermined speed, a second governor means operative at a point adjacent to the lower limit of travel of the elevator car for applying and safety brake in the event that the elevator car is traveling above another



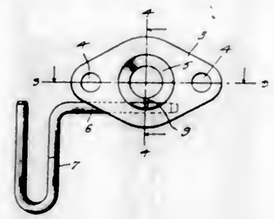
predetermined speed as it approaches said limit, means operative below said point for applying said safety brake in the event that the elevator travels below its normal lower limit of travel, and means in the upper portion of the elevator hatchway operative for applying the safety brake in the event that the elevator car travels above its normal upper limit of travel.

1,581,460. PICTURE EXHIBITOR. CLIFFORD H. MCCASLIN, Oakland, Calif. Filed July 1, 1925. Serial No. 40,837. 9 Claims. (Cl. 44—99.)



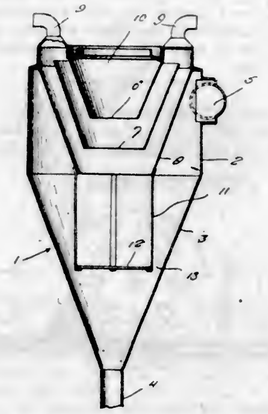
1. A picture exhibitor comprising an observation frame, a record sheet forming a support for a plurality of successively disposed pictures, means for operating the record sheet to move with a step by step motion, and means adapted for displaying picture supporting sections of the sheet one by another in the opening of the frame in the interval between the movements of the record sheet.

1,581,461. AUXILIARY AIR-INLET DEVICE. ELDRIDGE A. MCKEEVER, Catasauqua, Pa. Filed Nov. 13, 1924. Serial No. 749,758. 4 Claims. (Cl. 48—180.)



1. An auxiliary air mixing device comprising a gasket adapted to be interposed between a carburetor and intake manifold of an engine, and having a central tapered opening therein, an air pipe longitudinally extending through the thickness of said gasket and transversely intersecting the opening of the latter, said pipe being provided with a slot in the portion intersecting the opening, whereby to permit substantially a curtain of air to be drawn across the inner end of said opening, as and for the purposes described.

1,581,462. DUST COLLECTOR. GEORGE P. MCSWEENEY, Memphis, Tenn. Filed May 5, 1925. Serial No. 28,152. 1 Claim. (Cl. 183—109.)

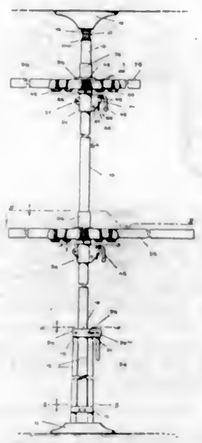


A dust collector comprising a casing having an upper cylindrical portion and a reduced and tapered lower portion terminating in a dust discharge, an air supply pipe connected with said cylindrical portion, a plurality of internal separating cones disposed in said casing, said cones having their apices truncated and being of varying lengths, legs connected to and depending from the outermost internal cone, and a disk supported on the lower ends of said legs and having its peripheral edge spaced from the adjacent wall of said casing.

1,581,463. CLOTHES-DRYING RACK. WALTER C. MOORS, Owensboro, Ky. Filed Feb. 14, 1924. Serial No. 692,816. 2 Claims. (Cl. 68—34.)

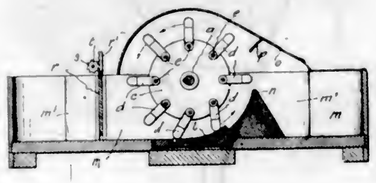
1. A rack comprising a base to bear on the floor of a room, a post supported by the base, a head loosely mounted on the upper terminal of the post and having a

rim surrounding the upper end of the post to bear upwardly against the ceiling of the room, a rack member supported by said post, a spring surrounding the post and confined between said head and post for yield-



ingly moving the head upwardly on the post to clamp the base and head against the floor and ceiling, respectively, and a member on the upper terminal of the post within said rim to limit the upward movement of said head on the post.

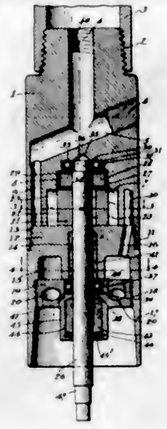
1,581,464. PAPER-PULP-BEATING ENGINE. CHARLES WHITNEY MORDEN, Portland, Oreg. Filed July 13, 1922. Serial No. 574,671. 4 Claims. (Cl. 92—22.)



1. In a paper pulp beating engine, a rotated member provided with a hinged beater element free to be extended radially by centrifugal force, and an anvil surface arranged to intersect a segment of the path described by the extremity of said beater element when radially extended, whereby during each revolution of said member the beater element first will deliver a blow on the material spread on said anvil surface tending to bruise said material and loosen its fibers, and the beater element will then drag over said anvil surface to brush out said loosened fibers.

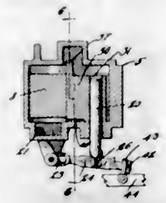
1,581,465. TURBINE. WILLIAM A. MORTON, Los Angeles, Calif. Filed Nov. 12, 1925. Serial No. 68,632. 10 Claims. (Cl. 253—2.)

1 A turbine comprising in combination a turbine housing having a turbine chamber in one end, a packing cap secured to the end of the turbine housing, a turbine rotor having a shaft mounted in the turbine chamber, a thrust bearing for the turbine shaft, mounted in a recess in the turbine housing, adjacent the turbine chamber, and inlet passages through the turbine housing to



the turbine chamber, and outlet passages through the turbine housing and the packing cap from the turbine chamber.

1,581,466. CAR COUPLING. ALBERT AUGUSTUS MOSS, Newark, N. J., assignor of one-fourth to Charles V. McCloud, West Orange, N. J. Filed May 25, 1922. Serial No. 563,468. 2 Claims. (Cl. 213—134.)

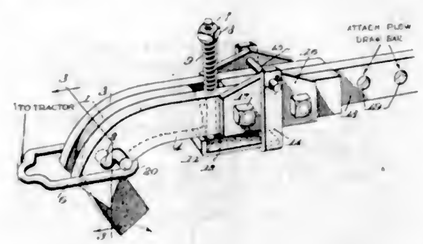


1. In a car coupler, a head, a pivoted knuckle mounted within the head, a locking member within the head for locking the knuckle in its closed position, said locking member having an opening extending therethrough, a flange closing a portion of one end of the opening, an operating bar mounted within the opening and adapted to engage the flange to raise the locking member to unlock the knuckle, said rod adapted to engage one edge of the flange, to hold the locking member against pivotal movement, and means for operating the bar.

1,581,467. AUTOMATIC RELEASE COUPLING. WILLIAM ANTON MUELLER, Aberdeen, S. Dak. Filed July 26, 1923. Serial No. 654,000. 11 Claims. (Cl. (280—33.16.)

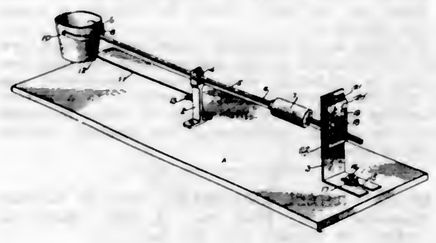
1. A coupling comprising spaced side arms, a dog pivoted upon the side arms, a latch located along one edge of the side arms having links extending toward the other edge of the side arms, a pivotal mounting for said

links at said edge, a bolt passing through the latch and the space between the side arms, and a spring carried by the bolt exerting pressure thereon and upon the ad-



jacent edge of the side arms to keep the latch in engagement with the under side of the side arms in position to sustain the dog.

1,581,468. EGG SCALE. JOHN J. O'LEARY, Sebastopol, Calif. Filed May 7, 1924. Serial No. 711,612. 3 Claims. (Cl. 265—49.)

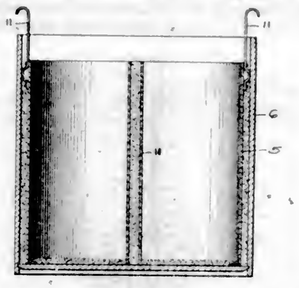


1. A device of the character described, comprising a base member, a bearing bracket mounted thereon, a scale beam pivotally supported in the bracket, a receptacle carried by one end of the beam for the reception of eggs to be weighed, a slotted bracket secured to the base through which the opposite end of the beam projects, and a plurality of weights supported thereby, said weights having slots formed therein through which the scale beam extends, and the slots of each weight being of increasing length to permit the scale beam to successively engage and elevate the weights.

1,581,469. SAFETY RAZOR. BENEDICT C. OSKIN, Chicago, Ill. Filed July 9, 1925. Serial No. 42,560. 8 Claims. (Cl. 30—12.)

1. A safety razor including two shafts geared together, and two blade-holding plates mounted on one of said shafts, one of said plates being rotatable with respect to said shaft.

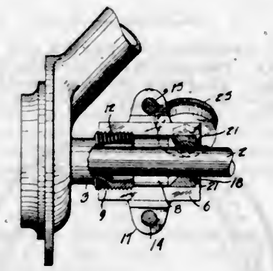
1,581,470. GRAPE-PACKING DEVICE. FLOYD A. PARK, Dinuba, Calif. Filed Sept. 8, 1925. Serial No. 54,992. 3 Claims. (Cl. 226—1.)



1. The herein described method of packing which consists of inserting a false drum within a drum to be packed, filling the space between the two drums with granular material, packing the space within the false drum with granular material and the articles to be packed and then withdrawing the false drum.

3. In combination a drum to be packed, a false drum having an open bottom and slightly smaller in diameter than the packing drum, and a tubular open bottom core.

1,581,471. COMBINED PACKING AND BEARING MEANS. DONALDSON D. PAXTON, Oakland, Calif. Filed Dec. 5, 1921. Serial No. 520,100. 2 Claims. (Cl. 286—7.)

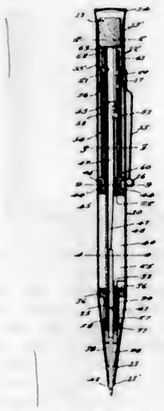


1. In a combined packing and bearing means for a rotatable shaft, a separable pair of segmental gland sections arranged to contain the packing for said shaft and provided with screw-threads for engagement with a hub through which said shaft is arranged to extend and against which one end of said packing is adapted to abut, means for securing said sections together, a bearing for said shaft presenting an uninterrupted annular surface therefor and adapted to be positioned within said sections at the other end of said bearing, means on each of said sections for retaining said bearing against longitudinal displacement, and means on one of said sections for preventing the rotative movement of said bearing with said shaft.

1,581,472. SELF-FEEDING PENCIL. RALPH S. PRYC and FRANK E. FRENCH, Lincoln, and WILBUR S BOSTDER, Chadron, Nebr. Filed Jan. 25, 1926. Serial No. 83,625. 9 Claims. (Cl. 120—18.)

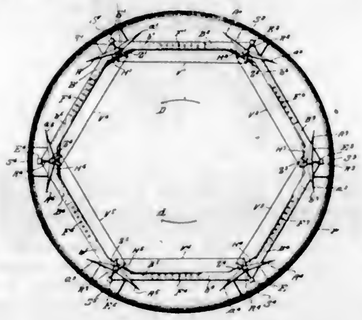
1. In a pencil, a barrel, a pencil point, projecting from one end of the barrel, a rotatable element projecting from the other end, a tubular slotted stem including a flange extending outwardly from the edge of the slotted portion and tangentially with reference to the exterior wall of the tubular stem, a plunger for advancing a lead

into the stem, said stem being spaced inwardly from the walls of the barrel to provide a magazine, and the plunger including a laterally projecting element, a tubular member having a spiral formed therein engaged by the projecting element of the plunger, the stem extending the full length of the tubular element and barrel and being



rotatable by the barrel, devices for mounting the tubular stem in fixed relation to the barrel, said spiral being rotatable by the rotatable element for advancing the plunger and imparting movement to a lead within the channel, and a point block rigid with the pencil point and stem and detachably connected with the barrel.

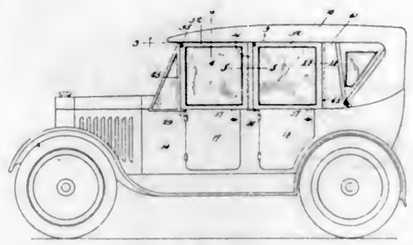
1,581,473. ANTISKIDDING DEVICE FOR MOTOR-CAR WHEELS. FERNANDO MARIO RIVAROLA, Buenos Aires, Argentina. Filed July 21, 1925. Serial No. 45,097. 8 Claims. (Cl. 301—46.)



1. An anti-skidding attachment, comprising a plurality of blades adapted to be attached laterally to a vehicle wheel; said blades being movable into operative position by the resistance offered to them by the ground when the wheel sinks into or skids on the ground, and being automatically moved into inoperative position when the wheel leaves the ground.

1,581,474. SIDE WINDOW ATTACHMENT FOR AUTOMOBILES. CHRISTOPHER STEWART ROBERTSON, Jacksonville, Fla. Filed Feb. 14, 1923. Serial No. 618,953. 4 Claims. (Cl. 296—45.)

1. The combination with an automobile body having a hinged door and a top, of a post detachably mounted between the top and the side of the body, there being a socket in the top of the door, a window frame hingedly connected to the post, a member depending from the frame and slidable within the socket when the door is

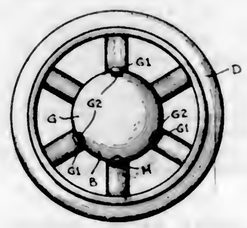


opened or closed, said door and frame being movable about individual non-alining axes, and means in the socket for exerting a constant pressure against said member.

1,581,475. PROCESS OF EXTRACTING ARSENIDE FROM ORES. JOHN F. SANDERS, Roseburg, Oreg. Filed Apr. 22, 1925. Serial No. 25,148. 1 Claim. (Cl. 83—67.)

The process of preparing arsenic-contaminated ores for the extraction of the desired metal contents, consisting in subjecting such arsenic contaminated ores in pulverulent condition, with agitation, to a solvent, consisting substantially and wholly of carbon bisulphide until the arsenic contaminants are dissolved, substantially as described.

1,581,476. WHEEL AND AXLE. HUGH W. SANFORD, Knoxville, Tenn. Filed Mar. 18, 1925. Serial No. 16,489. 15 Claims. (Cl. 295—44.)

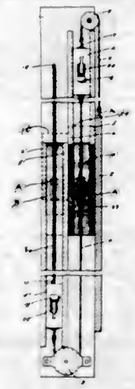


1. In a structure of the kind described, the combination with an axle and a hub surrounding the axle, of an axle cap surrounding the end of the axle, a key extending through the axle and engaging the axle cap, and a hub cap extending over the axle cap and secured to the hub, substantially as described.

1,581,477. AUTOMATIC ELEVATOR GATE. WILLIAM H. SHAFER, Sacramento, Calif. Filed June 30, 1924. Serial No. 723,317. 3 Claims. (Cl. 187—60.)

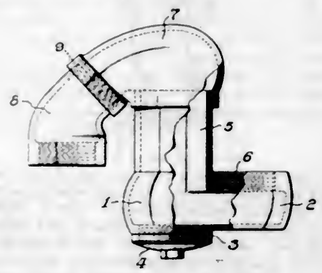
2. In an elevator, a slidable gate, a slidable block guided on a track arranged adjacent the elevator shaft, a flexible element extending from the block over a pulley to the gate whereby the gate is lifted upon sliding the block, and a movable device carried by the elevator adapted for engagement of the block upon travel of the

elevator and for movement out of engaging position for free passage over the block, said movable device comprising a plate supported and guided for movement in



and out from the elevator, linkage secured to the plate for movement thereof and an operating lever connected to the linkage.

1,581,478. PLUMBER'S TRAP. ALBERT E. THATCHER, Detroit, Mich. Filed Dec. 10, 1920. Serial No. 429,626. 2 Claims. (Cl. 182—7.)

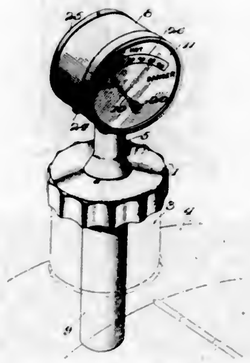


1. A trap for connection with a floor or wall pipe, comprising a main trap body provided at its upper end with a vertically disposed outlet and screw threads about the axis thereof, a cap having a retroverted way provided with screw threads about the axis of the inlet of said way for engagement with the threads of said trap body, whereby the cap may be swung about the axis of the outlet way of said trap body, and provided with screw threads about the axis of the outlet of said way, said way retroverting so as to dispose its inlet and outlet with their axes at an acute angle of 45°, and a fitting having a way and provided with screw threads about the inlet thereof adapted for cooperation with the threads of said cap about the axis of the outlet thereof, said fitting having its inlet and outlet of its way disposed with their axes at 135°, substantially as and for the purpose set forth.

1,581,479. RECOVERY OF VALUES. GEORGE D. VAN ARSDALE, Los Angeles, Calif., and HAROLD W. ALDRICH and WALTER G. SCOTT, Inspiration, Ariz., assignors to Inspiration Consolidated Copper Company, New York, N. Y., a Corporation of Maine. Filed Sept. 7, 1923. Serial No. 661,531. 2 Claims. (Cl. 75—18.)

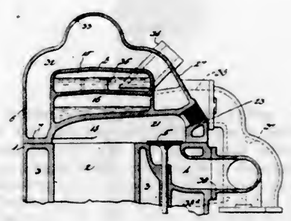
1. In the recovery of values, the steps which comprise washing residual subdivided solids by a counter-current method to obtain a solution suitable to be added to a rich liquor for a usual treatment, and thereafter removing residual values by circulating a body of liquid therethrough and precipitating values from said body of liquid during its circulation, in a form permitting of a substantially complete recovery.

1,581,480. RADIATOR INDICATOR. ANDRES PETER ANDERSEN and AUTHER LESTER TYRRELL, Detroit, Mich. Filed Oct. 30, 1923. Serial No. 671,816. 3 Claims. (Cl. 73—118.)



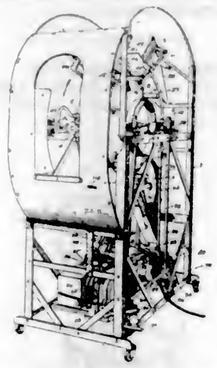
1. An indicator comprising a casing, an air tube entering the casing and being directed to one side, a head at the terminus of the tube having an opening, a diaphragm fitted upon the head over the opening thereby occupying one side of the casing, means carried by the tube, situated on the other side of the casing and manifesting a resistance toward the diaphragm, a lever carried by the tube interposed between said means and the diaphragm, and a hand carried by the lever and movable according to the predominating power of either said means or the diaphragm.

1,581,481. ENGINE HEAD. OLIVER E. BARTHEL, Detroit, Mich. Filed Aug. 9, 1922. Serial No. 580,595. 8 Claims. (Cl. 123—122.)



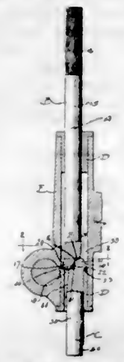
1. In an engine adapted to be supplied with fuel from a carburetor, a head adapted for mounting on a cylinder block of the engine, said head having intake passages adapted to receive fuel prior to the carburetor, said head comprising a housing serving as a water jacket, a casing within said housing heated by explosions, burned gases, and the contents of the water jacket and affording two stages of heat for fuel passing through said casing to the carburetor, and means in said casing to cause fuel to travel in directions to be subjected to two stages of heat.

1,581,482. PEACH-PITTING MACHINE. JOSEPH P. BEM, Fresno, Calif., assignor to Pacific Pitting Machine Company Inc., Fresno, Calif., a Corporation of California. Filed May 9, 1924. Serial No. 712,060. 53 Claims. (Cl. 146—28.)



1. In a peach pitting machine of the character described, an arched blade mounted for travel in an arcuate path on an axis substantially parallel to the plane of the arch and adapted to cut out the half pit of a half peach presented thereto, means for presenting a half peach thereto, means for swinging the blade on its mounting through the fruit, and means for continuously oscillating the blade circumferentially while cutting the fruit.

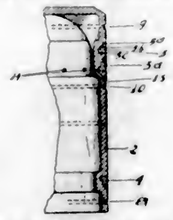
1,581,483. BUSHING REMOVER. ERNEST L. DAHLQUIST, Auburn, Iowa. Filed May 8, 1924. Serial No. 711,896. 12 Claims. (Cl. 29—88.2.)



1. As an article of manufacture a bushing removing tool including a straight shank portion and a reduced laterally offset portion at the end thereof providing a shoulder disposed in a plane at right angles to the axis of the shank, the outer surface of the reduced portion tapering in acute angled relation with respect to said shoulder to a juncture point with the circumference of the shank.

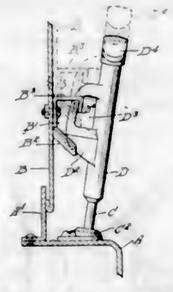
1,581,484. TRIPLE-SEAL PISTON RING. HORACE E. DEPUTY, Long Beach, Wash., assignor of one-tenth to Earl Davidson, Portland, Oreg., and one-fourth to Forrest I. Gill, Seattle, Wash. Filed Oct. 19, 1922, Serial No. 595,573. Renewed July 20, 1925. 1 Claim. (Cl. 74—109.)

The combination of a ring having a relatively thin section and stepped sections of progressively increasing width providing a plurality of intermediate annular walls in substantially parallel relation and a plurality of concentric walls joining the first mentioned walls, of a piston provided with a groove having walls complementary to the walls of the ring, the intermediately disposed walls



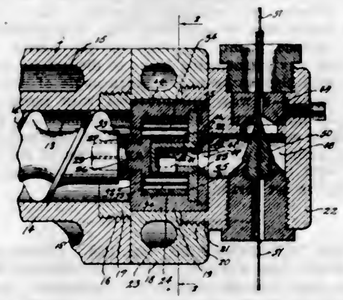
of the ring being adapted to coact with the complementary adjacent walls of the groove to eliminate communication between the opposite ends of the groove when fluid pressure is exerted at one end of the groove.

1,581,485. HOOD LATCH. CHARLES B. GILMORE, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1925. Serial No. 11,930. 21 Claims. (Cl. 292—67.)



1. In combination with a closure and a latch support, a latch for said closure, mounted upon said support, a hook element mounted on said closure, and a cam element mounted therebeneath on said closure, said latch including a member adapted to engage said hook, and a cam element in opposition to said cam upon said closure and means for yieldingly moving said latch downwardly along said support.

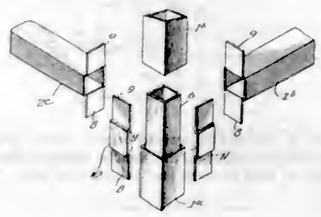
1,581,486. EXTRUDING MACHINE. EDGAR H. JOHNSON, Stamford, Conn. Filed Apr. 1, 1925. Serial No. 19,829. 7 Claims. (Cl. 18—12.)



1. In an extruding machine a feeding device for plastic material comprising a chambered casing, a rotor in said casing arranged eccentric thereto, said casing being provided with an inlet opening to the space between the

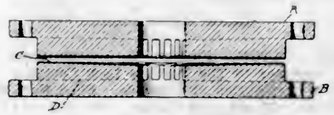
casing and the rotor, a feeding element pivoted to the rotor, means coacting with the casing to swing the free end of said element toward and from the rotor as said rotor is rotated, said rotor being provided with an outlet opening under said element, means for feeding plastic material through said inlet under pressure, an extruding die arranged to receive the plastic material from said outlet, and means for driving the rotor.

1,581,487. FRAME CONSTRUCTION FOR BUILDINGS, ETC. GUSTAVUS A. E. KOHLER, Chicago, Ill. Filed Sept. 25, 1919, Serial No. 326,180. Renewed July 1, 1921. Serial No. 481,931. 13 Claims. (Cl. 189—1.)



6. A frame construction comprising a plurality of substantially horizontal and vertical hollow metal supporting members, overlapping connecting pieces connecting the substantially vertical members together, and interlocking pieces connecting the substantially horizontal and substantially vertical members together, said interlocking pieces having portions which fit between the inner faces of the substantially vertical members and the outer faces of the overlapping connecting pieces connecting said substantially vertical members.

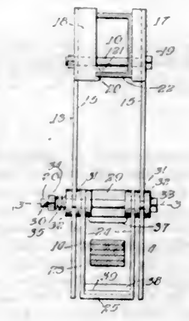
1,581,488. METHOD OF AND APPARATUS FOR FORMING RADIALLY-CORRUGATED DISKS. RALPH S. LEWIS, San Francisco, Calif., assignor to Standard Steel Wheel & Tire Armor Company, Oakland, Calif., a Corporation of Arizona. Filed Dec. 7, 1920. Serial No. 428,856. 5 Claims. (Cl. 153—76.)



1. The process of forming in a single operation a radially corrugated disk wheel for vehicles which consists in pressing a plane sheet metal disk between co-operating die members having radially extending ribs and channels whose opposed faces are inclined so as to cause the metal to be drawn inwardly towards the center simultaneously with the forming of the corrugations.

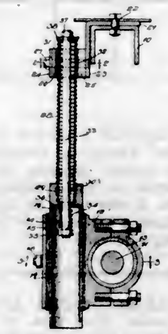
2. A die for forming in a single operation a radially corrugated disk wheel for vehicles comprising co-operating members, each formed with radially extending ribs and channels, the faces of the ribs being inclined so as to be of less height at their inner ends than at their outer ends and co-operating channels being oppositely inclined so that the ribs of one die member will bottom on channels of the other die member.

1,581,489. SHOCK ABSORBER. EDDY T. MCKAIG, Chicago, Ill. Filed Oct. 8, 1920, Serial No. 415,474. Renewed Sept. 11, 1925. 3 Claims. (Cl. 267—9.)



1. In a shock absorber for vehicles, two relatively movable parts, friction means resisting free relative movement of said parts, one part adapted to be rigidly secured to one of two relatively movable members of a vehicle which are connected by a load carrying spring, the other part adapted for engagement with the other relatively movable member of the vehicle, the second part having an opening for receiving said other movable member, which opening permits a limited free movement of the two members of the vehicle in both directions, the said second part being capable of being set by said other movable member to place said other member substantially in the middle of said opening in accordance with the load on the vehicle.

1,581,490. SHOCK ABSORBER. EDDY T. MCKAIG, Chicago, Ill. Filed June 21, 1924. Serial No. 721,510. 9 Claims. (Cl. 267—9.)

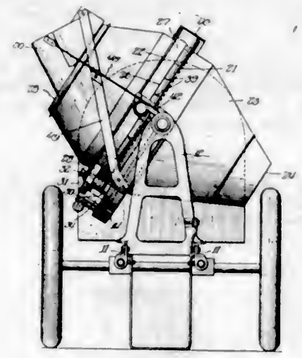


1. In a shock absorber for vehicles, adapted to connect two members of the vehicle which are also connected by a load carrying spring, said absorber having a longitudinally movable part at one end, means carried by one of the vehicle members for frictionally resisting said longitudinal movement, and a laterally yielding part ridgidly connected at one end to said longitudinally movable part and at the other end to the other of said vehicle members.

1,581,491. REFLECTING MEANS. TAYLOR CALHOUN RHODES, St. Paul, Minn. Filed July 26, 1922. Serial No. 577,659. 7 Claims. (Cl. 240—41.)

1. A reflector substantially of egg-shell shape having a single focal point and adapted to have a source of light positioned substantially at said focal point, the reflector having an opening at one end adjacent said focal point, said opening to be of a dimension sufficiently large to permit free passage of all light rays emanating from said source of light and tending to fall upon the desired field of light, and said dimension being sufficiently limited to cause the reflector to intercept all light rays so emanating except those tending to fall upon said field.

1,581,492. CONCRETE MIXER. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 16, 1923. Serial No. 632,301. 13 Claims. (Cl. 83—73.)

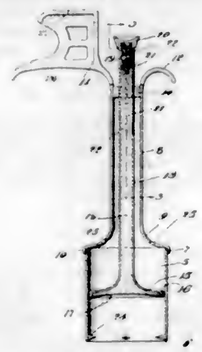


1. In a mixing machine, a mixing drum, a member encircling the drum having a circumferential recess therein, supporting rollers engaging the base of said recess, a single series of guide rollers fitting within and bearing against a side wall of said recess, a circumferential rack formed exteriorly of the recess, and a drive pinion engaging said rack.

1,581,493. ICE CREAM DISHER AND MEASURER. JOHANNES SCHLOEMER, New York, N. Y. Filed Jan. 24, 1925. Serial No. 4,361. 6 Claims. (Cl. 107—48.)

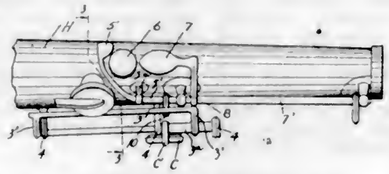
3. An ice cream disher comprising a tubular handle member and an ice cream receiving shell connected thereto, a hollow plunger rod movable through said handle member and having a closed head on one end reciprocating within said shell, said plunger rod and head adapted to receive a liquid, and a closure member for the other end of said plunger rod for maintaining the liquid therein.

5. An ice cream disher comprising a tubular handle and an ice cream receiving shell connected thereto, a plunger rod movable through said handle member and having a head on one side reciprocating within said shell, said plunger rod having a plurality of grooves extending longitudinally thereof and each groove provided



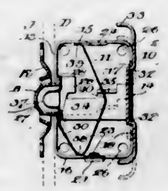
with a set of differently spaced seats, and a projecting member extending through the handle member adapted to engage one of said grooves and within the seats thereof.

1,581,494. SAXOPHONE. MURRAY A. STOVER, Rialto, Calif. Filed Sept. 29, 1922. Serial No. 591,320. 3 Claims. (Cl. 84—385.)



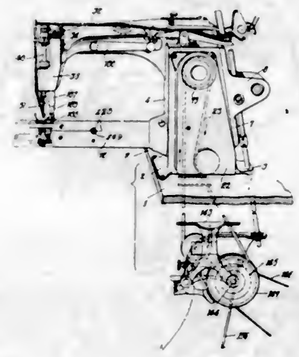
2. In combination with a saxophone having a normally open pad producing C-sharp, third space, when open and producing C-natural, third, space, when closed; an auxiliary lever operatively associated with the said pad to actuate the latter without fingering of any other key, said lever being on the side of the horn tube opposite the position of the said pad, and being operable by a motion of the thumb, of the left hand, resting on the usual thumb button.

1,581,495. LATCH. FRANCIS M. VANDERVOORT, Pueblo, Colo., assignor to The Positive Lock Company, Pueblo, Colo., a Corporation of Colorado. Filed Nov. 20, 1923. Serial No. 675,921. 18 Claims. (Cl. 292—74.)



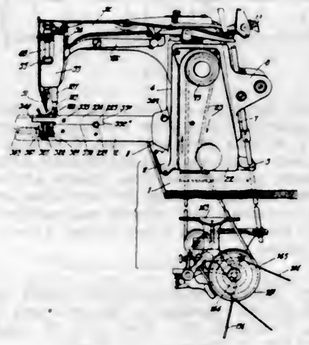
1. A latch comprising latching means, means operable to retain said latching means in projected position, such retaining means movable to release said latching means, and means for projecting said latching means and for holding such retaining means in either retaining or releasing position.

1,581,496. FEEDING MECHANISM FOR SEWING MACHINES. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Original application filed June 28, 1921, Serial No. 481,032. Divided and this application filed Oct. 9, 1923. Serial No. 667,453. 40 Claims. (Cl. 112—210.)



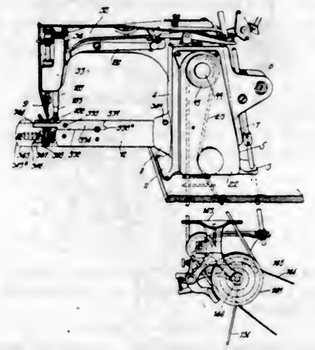
1. In a sewing machine, the combination of a four-motion feed bar, a feed dog pivoted to said feed bar, and a pair of vertical adjusting screws extending thru said feed dog at opposite sides of said pivot and cooperating with the feed bar for swinging said feed dog relatively to said feed bar.

1,581,497. LOOPER MECHANISM FOR SEWING MACHINES. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Filed Oct. 9, 1923. Serial No. 667,454. 49 Claims. (Cl. 112—200.)



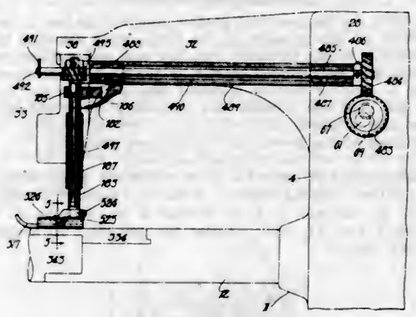
1. In a sewing machine, the combination of a looper shaft, a looper carried by said shaft, means for moving the looper in an elliptical path during its curvilinear movement, and means for imparting to the looper a different elliptical path of movement at an angle to the other to cause the looper to move a greater distance forwardly and a greater distance rearwardly at the opposite ends of its transverse movement into and out of the needle loops.

1,581,498. SEWING MACHINE. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Original application filed June 28, 1921, Serial No. 481,032. Divided and this application filed Oct. 31, 1923. Serial No. 671,874. 14 Claims. (Cl. 112—258.)



2. In a sewing machine, the combination with a machine frame of a forwardly extending work arm of steel tubing.

1,581,499. SEWING MACHINE. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Original application filed June 28, 1921, Serial No. 481,032. Divided and this application filed Dec. 4, 1923. Serial No. 678,399. 31 Claims. (Cl. 112—100.)

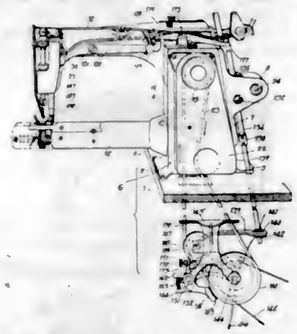


1. In a sewing machine the combination of an overhanging machine arm, a drive shaft, stitch forming mechanism, a presser foot, cross stitching mechanism supported thereby, a horizontal tubular member carried by said machine arm, and a shaft mounted in said member for operating said cross stitch mechanism from said drive shaft.

1,581,500. TRANSMISSION MECHANISM FOR SEWING MACHINES. JOHN P. WEIS, Nyack, N. Y., assignor of one-half to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Original application filed June 28, 1921, Serial No. 481,032. Divided and this application filed Dec. 7, 1923. Serial No. 679,063. 42 Claims. (Cl. 192—144.)

1. The combination of a rotary shaft, means for transmitting power thereto and including clutch mechanism for stopping and starting said shaft, said clutch mechanism including a driven clutch member, a movable stop cooperating with said clutch member to engage and dis-

engage the clutch mechanism, means for controlling the operative movement of said stop, said shaft having at

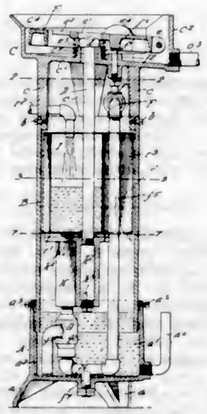


its end a detachable section connected thereto for rotation, and a detachable bearing for said section to permit removal thereof.

1,581,501. TOOTH CLEANER. ALBERT E. WRIGHT, San Francisco, Calif. Filed Mar. 11, 1925. Serial No. 14,838. 6 Claims. (Cl. 132—93.)

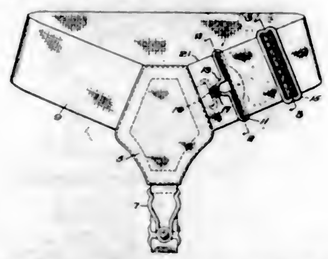
5. A tooth cleaner comprising a base of relatively rigid material having one end portion adapted to bear transversely on one or more of the teeth, tooth cleaning and polishing means arranged over the said end portion and adapted to be rendered plastic by the heat of the mouth and a strip of fibrous material disposed over one face of the said end portion and extending coincident with the edge thereof and adapted to be softened by the moisture of the mouth for the purpose described.

1,581,502. APPARATUS FOR RINSING AND STERILIZING CONTAINERS. KIRK K. WRIGHT, Buffalo, N. Y., assignor to R. G. Wright & Co., Buffalo, N. Y. Filed Nov. 14, 1922. Serial No. 600,908. 10 Claims. (Cl. 141—7.)



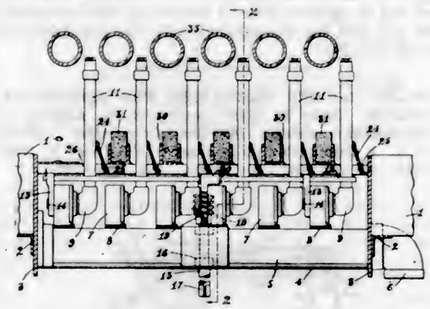
1. In apparatus for rinsing and sterilizing containers, the combination of a support for a container, a spray pipe for discharging rinsing and sterilizing media to said container, an ejector connected with said spray pipe, means for admitting steam to said ejector, and means for admitting a limited quantity of rinsing liquid to said ejector during the operation thereof whereby first rinsing liquid and then steam are discharged to the container.

1,581,503. GARTER. ALFRED MAY ZIEGLER, Newton, Mass. Filed Dec. 21, 1923. Serial No. 681,980. 4 Claims. (Cl. 241—6.)



1. A garter comprising a leg encircling band having an adjusting buckle and a clasp each curved throughout its length to provide a convex inner surface which is toward the leg when the garter is in use.

1,581,504. SOOT REMOVER FOR WATER-TUBE BOILERS. BRADFORD L. AMES, Boston, Mass. Filed Aug. 19, 1921. Serial No. 493,567. 9 Claims. (Cl. 122—392.)

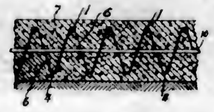


1. A soot blower for a boiler comprising a steam supply pipe, a plurality of nozzles parallel with each other projecting laterally from said pipe, a swivel connection between each nozzle and said supply pipe, guides having an elongated space between them through which said nozzles loosely pass, and means for oscillating said guides bodily in an arcuate path whereby said guides cause said nozzles to simultaneously sweep through arcuate paths in parallel planes.

1,581,505. REENFORCING FABRIC FOR CEMENTITIOUS SLABS. EDWARD L. BENEDICT and ROBERT L. GLOSE, Pittsburgh, Pa. Filed May 29, 1924. Serial No. 716,693. 6 Claims. (Cl. 94—8.)

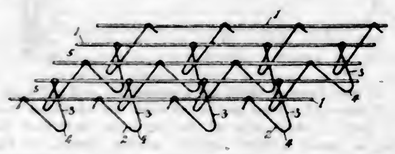
1. A reenforcing fabric for use with cementitious materials comprising a plurality of strand elements disposed in the same horizontal plane, and transverse stay elements interconnecting said strand elements; each of the stay elements having loops offset at an angle to the horizontal plane of the strand elements, and alternate loops of each stay element being offset at opposite angles, to provide distributed supporting means for the entire fabric during the pouring of a concrete slab and to secure a maximum distribution of metal throughout the body of such slab.

1,581,506. REENFORCEMENT FOR PAVEMENTS AND THE LIKE. EDWARD L. BENEDICT and ROBERT L. GLOSE, Pittsburgh, Pa. Original application filed May 29, 1924, Serial No. 716,693. Divided and this application filed May 20, 1925. Serial No. 31,469. 4 Claims. (Cl. 94—8.)



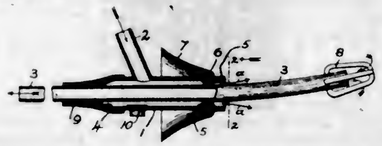
1. A reenforcing fabric for use with cementitious materials comprising a plurality of strand elements disposed in the same horizontal plane, and stay elements interconnecting said strand elements; said stay elements being formed with loops offset from the horizontal plane of the strand elements and extending angularly from the horizontal plane of the strand elements, such loops being so arranged that the projection of one leg of each loop crosses similar legs of adjacent loops of the same stay element.

1,581,507. REENFORCED ROADWAY. EDWARD L. BENEDICT and ROBERT L. GLOSE, Pittsburgh, Pa. Original application filed May 29, 1924, Serial No. 716,693. Divided and this application filed May 20, 1925. Serial No. 31,470. 3 Claims. (Cl. 94—8.)



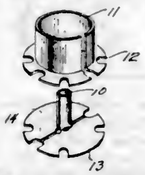
1. A concrete roadway having a reenforcing fabric embedded therein; said fabric comprising strand elements extending transversely of the roadway, and stay elements secured to the strand elements and extending transversely of the strand elements and longitudinally of the roadway; the stay elements having loops offset at an angle to the surface of the roadway, and the angle formed with the surface of the roadway by the loops of successive stay elements being progressively decreased to progressively decrease the vertical extent of the loops without varying their length or varying the mutual spacing of the strand elements.

1,581,508. VAGINAL SYRINGE. KARL BOMHARD, Munich, Germany, assignor, by mesne assignments, to Frederick Pfeiffer & Co. Inc., New York, N. Y. Filed May 8, 1922. Serial No. 559,295. 2 Claims. (Cl. 128—241.)



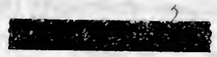
1. In a device of the character set forth, in combination, a relatively short inflow member open at the front end and presenting a constricted rear portion, an occluder mounted on the front end of said inflow member, interspaced centering projections extending from the inner wall of said inflow member near its open end but rearwardly therefrom, means for holding the occluder in operative position, a relatively extended outflow member concentrically spacedly supported within said inflow member by said inflow member construction and said inflow member projections, and a connecting elastic sleeve embracing both said inflow member construction and said outflow member.

1,581,509. TELEPHONE RECEIVER. KARL BUNGERZ, Hempstead, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,805. 9 Claims. (Cl. 179—119.)



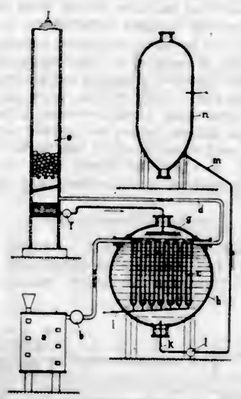
1. In a telephone receiver, a unitary magnet structure comprising an outer pole in the form of a split cylindrical shell, and an inner pole consisting of a plurality of longitudinal cylindrical segments.

1,581,510. TYPEWRITER RIBBON. CHARLES CAMPBELL, New York, N. Y. Filed Dec. 16, 1924. Serial No. 756,363. 8 Claims. (Cl. 197—172.)



1. A typewriter ribbon comprising felted plant fibres and ink, and a material to increase the ink feeding or "recovery" properties thereof.

1,581,511. METHOD OF UTILIZING WASTE HEAT FROM GAS. HANS CLEMM, Mannheim-Waldhof, and ADOLF SCHNEIDER, Kehlheim, Germany, assignors to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany, a Corporation of Germany. Filed Apr. 3, 1922. Serial No. 549,190. 1 Claim. (Cl. 92—11.)



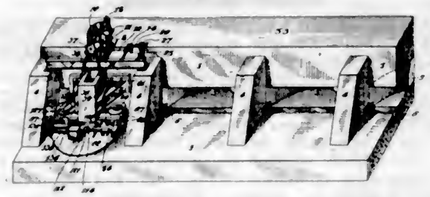
The herein-described method of regenerating the waste heat of the gases coming out of sulphur-kilns, pyrite-kilns or other furnaces, which consists in transmitting the heat from the said gases to fresh sulfit lye in a heat-exchanging device through which the lye is forced under pressure,

and then conveying said lye into an apparatus for boiling cellulose, all the system containing fresh lye heated or not being completely closed, thus retaining a certain pressure therein for avoiding any loss of SO_2 and any noxious change of the lye by heating it.

1,581,512. METHOD OF MAKING ARTICLES FROM STEEL INGOTS. RAY G. COATES, Pasadena, Calif., assignor, by mesne assignments, of one-half to the estate of H. G. Hamilton, deceased, late of Youngstown, Ohio. Filed Aug. 25, 1920. Serial No. 405,976. 7 Claims (Cl. 29—160.4.)

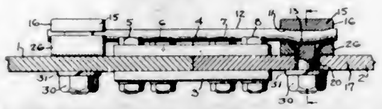
6. The method of making articles of steel from an ingot having deleterious material on one side thereof, which method comprises working the metal into an intermediate shape and maintaining the deleterious material in an extended marginal portion of the intermediate shape; cutting away the deleterious mass; and finishing the remaining mass into a finished shape.

1,581,513. METHOD AND APPARATUS FOR CUTTING OFF INGOT MOLDS AND THE LIKE. RAY G. COATES, Pasadena, Calif., assignor, by mesne assignments, of one-half to the estate of H. G. Hamilton, deceased, late of Youngstown, Ohio. Filed Aug. 17, 1922. Serial No. 582,345. 64 Claims. (Cl. 29—70.)



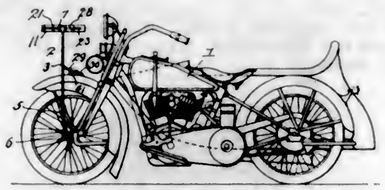
7. A metal working machine of the class specified comprising a supporting member adapted to vertically suspend the article to be operated upon, clamps adapted to secure the article in position on said suspending member, a plurality of horizontally disposed saws arranged around the longitudinal axis of the article to be operated upon, whereby the saws may simultaneously attack said article in different places, means to operate said saws, and means to feed said saws whereby the paths of said saws are so aligned so that the kerfs of a preceding saw blends into the kerf of a succeeding saw when the cut is complete.

1,581,514. ELECTRICAL BOND. GEORGE W. CONRAD, St. Benedict, Pa., assignor to Rembrandt Peale, New York, N. Y. Filed Apr. 16, 1920. Serial No. 374,434. 13 Claims. (Cl. 173—277.)



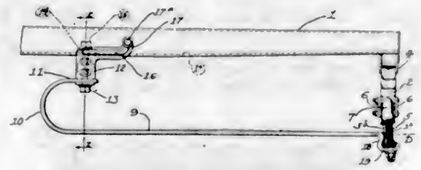
1. In combination with abutting rail ends having bolt holes therein, an electric track bond comprising bolts apertured just beneath their heads and a rail connecting electrically conductive rod passing through the apertures in the bolt heads and bushings surrounding the bolts within the rails and having flared protruding ends partly encircling said rod.

1,581,515. TOWING DEVICE. OSCAR COOLICAN, Washington, D. C. Filed July 18, 1925. Serial No. 44,587. 15 Claims. (Cl. 208—27.)



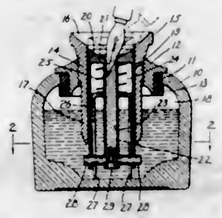
1. In combination with a motorcycle of the side car type, a towing device permanently mounted upon the motorcycle, means for connecting the towing device to a motor vehicle for towing the motorcycle, and means for holding the towing device when not in use in upright position on the motorcycle.

1,581,516. STRUT ROD FOR MOTOR VEHICLES. HERMANN F. CUNTZ, Hartford, Conn. Filed Sept. 29, 1921. Serial No. 504,210. 4 Claims. (Cl. 267—67.)



1. In combination with an automobile, a front axle, a main frame and a load-spring between the axle and frame end, a pair of strut rods of the character described each having a curve integral spring section, means of rigid attachment to the main frame and a substantially straight strut section merging into said spring section, a claw end rigidly associated with the front end of each strut flange formed for insertion over a flange on the front axle when the strut is in abnormal position and to rigidly engage said flange of the front axle when the opposite end of the strut is in normal position rigidly secured to the main frame.

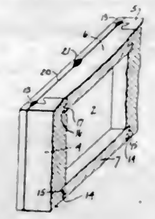
1,581,517. AUTOMATIC INKWELL. EMRY DAVIS, New York, N. Y. Filed July 13, 1925. Serial No. 43,144. 10 Claims. (Cl. 120—61.)



1. An automatic inkwell of the class described comprising a well body, a closure for said body, a tubular member detachably mounted in connection with said closure and frictionally retained in position, the upper

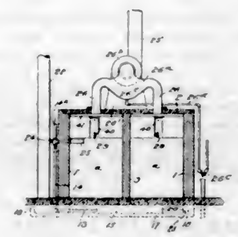
end of said tubular member being provided with a recess, an ink feeding plunger movably disposed in said tubular member and the upper end portion of which normally projects into said recess at a point slightly below the top of said tubular member, means detachably mounted in connection with the lower end portion of said ink feeding plunger for controlling the feed of ink thereinto and therethrough, said means being in fixed position, tensional means for normally holding the plunger in a raised position, and means independent of said first named means for controlling the passage of ink from the chamber of the well to said first named means and said plunger.

1,581,518. SHIPPING AND DISPLAY BOX. WILLIAM H. MOUNT, Summit, N. J. Filed Oct. 10, 1922. Serial No. 593,593. 15 Claims. (Cl. 217—65.)



10. A box comprising in combination side and end members formed to interengage with one another, and also provided with slots adapted to register to form a slot for a key peg, a key peg, and sealing means for indicating the removal of a key peg.

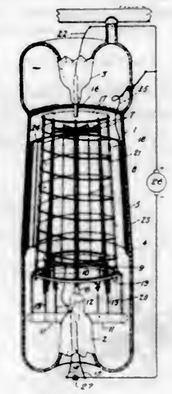
1,581,519. APPARATUS FOR AND PROCESS OF TREATING FOOD PRODUCTS. HARRY M. ROBERTSON, Lakewood, Ohio. Filed Sept. 25, 1923. Serial No. 664,711. 24 Claims. (Cl. 99—2.)



1. In apparatus of the class described, the combination of a tunnel having closable receiving and discharge openenings, means for establishing at one and the same time separate heat and smoke zones in the said tunnel, a carrier for food products adapted to enter and pass through the tunnel, and means for intermittently moving the said carrier through the tunnel where its load is subjected successively to the action of heat and of smoke in the said separate zones.

1,581,520. VACUUM TUBE. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1921. Serial No. 453,101. 9 Claims. (Cl. 250—27.)

1. A vacuum tube comprising a glass enclosing vessel having a tapered portion, and a tapered metal electrode coaxial therewith and slidably mounted in said vessel, the movement of said electrode in one direction being

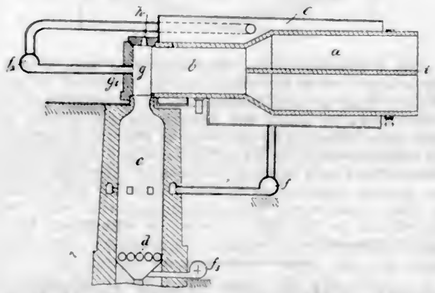


limited by the contact of its exterior surface with the interior surface of said tapered portion.

1,581,521. SKY WRITING. ORVAL H. SNYDER and WENDELL H. BROOKLEY, Dayton, Ohio. Filed Sept. 20, 1924. Serial No. 738,895. 6 Claims. (Cl. 244—1.)

1. Means for producing aerial pyrotechnic signs, comprising, in combination with an aircraft, a plurality of spherical shells, means attaching said shells to the aircraft, a flare and a parachute attached thereto within each shell, electrical means for simultaneously releasing a number of said shells from the aircraft to outline the desired sign horizontally in the sky, and means for releasing the flares and parachutes from said shells after a predetermined time interval from said release.

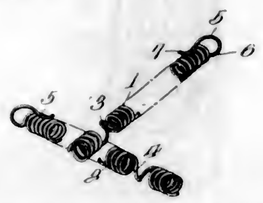
1,581,522. DEVICE FOR BURNING CEMENT, MAGNESITE, LIME, ETC. HARRY STEHMANN, Berlin-Hohenschonhausen, Germany. Filed Aug. 30, 1921. Serial No. 497,025. 4 Claims. (Cl. 222—7.)



1. In the art of burning cement, magnesite, lime, etc., in a rotary kiln connected substantially air tight at its discharge end to a cooling chamber into which the hot product of the kiln is discharged; the method which comprises forcing air for supporting combustion through

the chamber and the hot product therein; maintaining the relative quantities of air passing through the chamber and of said hot product in said chamber, adequate to heat the air to the ignition temperature of the fuel used for heating the kiln as the air leaves said chamber.

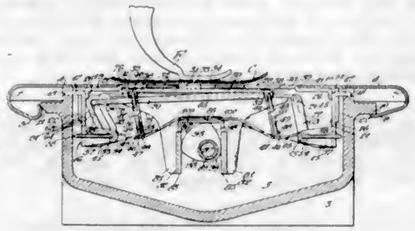
1,581,523. DUPLEX SPRING. CHARLES P. TRIMBLE, Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 24, 1924. Serial No. 751,976. 6 Claims. (Cl. 5—269.)



1. A duplex spring comprising two coiled members each having close convolutions at its ends and a spaced convolution intermediate its ends, the two members being interlocked at the points of the spaced convolutions and the two ends of each member being in substantial alignment.

6. In bed spring construction a coiled spring connector having its ends reversely bent to contact with the outer surface of said connector, and then bent outwardly to provide an engaging and guiding means for facilitating attachment of the connector to a bed spring.

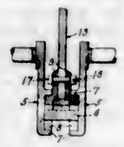
1,581,524. FEED MECHANISM. SIMON W. WARDWELL, Providence, R. I.; Carl V. J. Christensen, Edwin C. Smith, Arthur A. Armington, and Willard W. Bardsley executors of said Simon W. Wardwell, deceased. Filed Dec. 29, 1920. Serial No. 433,795. 14 Claims. (Cl. 112—215.)



1. In a feed-mechanism, the combination with a feeding element, or rocker-arms pivotally connected to the opposite ends of said feeding-element, a second set of hinged arms to which the rocker-arms are pivoted, a cam, means engaging the periphery of the cam to oscillate the feeding-element on its rocker-arms, and means reciprocated from said cam to periodically raise and lower the opposite hinged arms to bodily move the rocker-arms to effect engagement of the feeding-element with the material to be fed and to cause its withdrawal from contact therewith.

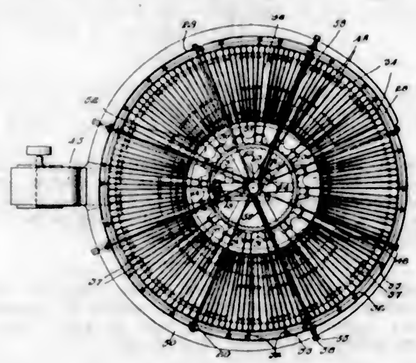
1,581,525. CRANK AND PITMAN CONNECTION. GROVER C. WILLIAMS, Baltimore, Md. Filed July 2, 1924. Serial No. 723,716. 4 Claims. (Cl. 74—17.)

1. A crank and a pitman connection which includes a crank, and two pitman sections, said crank including a crank journal and two crank arms and two inwardly facing guiding channels on said crank arms and surrounding said crank journal and in spaced relation to one another, said pitman sections being of proper shape to be inserted through the space between said guiding



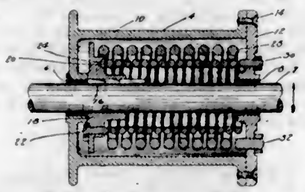
channels and movable respectively into sliding engagement with said guiding channels, and means to hold these pitman sections in such sliding engagement and in normally fixed relation to one another.

1,581,526. SHEET-CONDITIONING APPARATUS. LOUIS P. WILLSEA, Rochester, N. Y. Filed Aug. 8, 1924. Serial No. 730,888. 15 Claims. (Cl. 34—26.)



13. A sheet conditioning apparatus comprising a central post, posts arranged in annular series about the post, a trackway supported by the annular series of posts, an endless carrier supported by the posts and the trackway, and distributing means for conditioned air vertically adjustable on the annular series of posts, said distributing means embodying three distributors one of which lies beneath the sheets on the endless carrier and the other two lie on opposite sides of the sheets on the endless carrier.

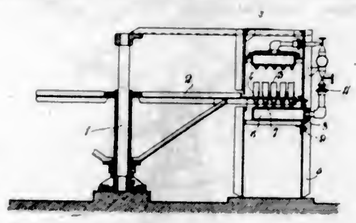
1,581,527. CABLE DRUM AND AUTOMATIC TENSION CONTROL. JOHN C. YINGLING, Dayton, Ohio. Filed Oct. 26, 1922. Serial No. 597,005. 4 Claims. (Cl. 254—172.)



1. In a device of the character described, a power shaft, a drum reel revolubly mounted on said shaft, means mounted on said shaft fixed against rotation relative thereto but permitting of relative motion longitudinally

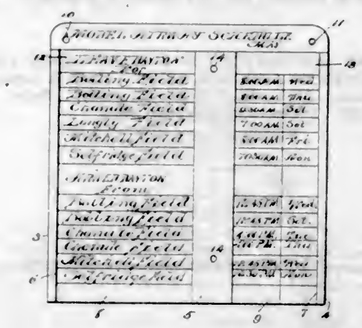
thereof, and a plurality of resilient means of successively greater resistance to distortion and interiorly of said drum operatively connecting said drum and said first named means.

1,581,528. BOTTLE-WASHING MACHINE. AXEL ANDERSSON, Lund, Sweden. Filed Feb. 13, 1925. Serial No. 8,973. 2 Claims. (Cl. 141—7.)



1. In a bottle washing-machine, the combination of a stationary vertical housing having an aperture; a stationary fluid conduit-box removably supported in horizontal position within the housing in register at one end with said aperture and having a flange which is disposed in contact with the outer face of the housing in position to cover the aperture and which is provided with apertured lugs; and bolts detachably inserted through the apertures in the lugs and engaged with the housing.

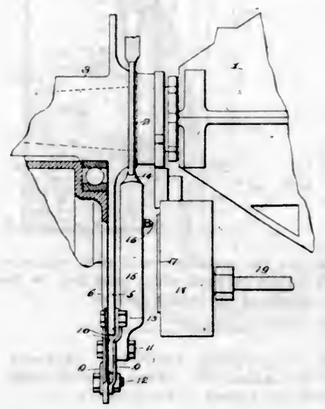
1,581,529. FILING DEVICE. CLAUDE S. BUCHANAN, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,052. 3 Claims. (Cl. 40—64.)



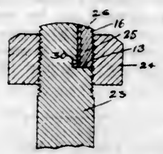
1. A filing device comprising in combination; a back plate of sheet metal material, the lateral portion of whose edges are crimped to form retaining flanges and a center portion of whose surface is substantially raised in a spaced inverted U-shape, said flanges and said raised portion being adapted to form longitudinal guideways; and a front plate centrally and longitudinally mounted upon the raised portion of the back plate, said front plate being greater in width than said raised portion of the back plate.

1,581,530. TRANSMISSION DYNAMOMETER. FRANK W. CALDWELL, Dayton, Ohio. Filed Jan. 26, 1923. Serial No. 615,142. 7 Claims. (Cl. 265—4.)

1. In a transmission dynamometer for indicating the torque coefficient between two rotary elements, a driving member actuated by one of said elements, a driven member for actuating the other of said elements, a deformable centrifugally influenced connector between said driving member and driven member, means for dampening the oscillations of said deformable member, and means controlled by said deformable member for indicating the torque coefficient in accordance with speed of rotation of the rotary elements.



1,581,531. NUT-LOCKING DEVICE. ROBERT R. CHILDS, Roanoke, Va., and GUSTAV H. JAKOBSSON, Takoma Park, Md.; said Jakobsson assignor to said Childs. Filed Feb. 12, 1926. Serial No. 87,971. 3 Claims. (Cl. 151—14.)

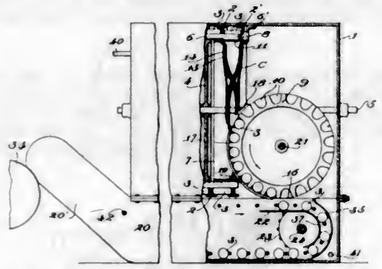


1. In a nut locking device, the combination with a threaded bolt and nut, of a locking member correspondingly threaded, a recess being formed on one side of the bolt for housing the locking member, interengaging means in said recess and member adapted to limit the axial displacement of said member, said means comprising interengaging abutment elements placed at an acute angle to the direction of the threads.

1,581,532. COMBINED COOKER AND COOLER. NELSON H. FOOKS, Preston, Md. Filed Mar. 3, 1925. Serial No. 12,963. 12 Claims. (Cl. 126—272.)

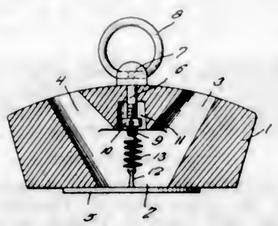
1. In combination with a longitudinally extending helical can path having a point of discharge for cans in its upper side, means for moving the cans along said path, a rotary member having can-receiving pockets in its periphery and arranged to rotate in a vertical

plane, means for conducting cans from the point of discharge in said can path to the pockets in said rotary member, and a shell within which said can path and



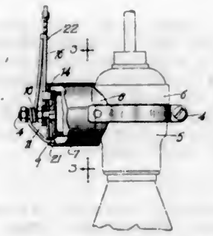
rotary member are contained, said shell having an opening in its bottom through which cans may be discharged from the pockets of the rotary member.

1,581,533. LAVATORY STOPPER. WINSTON HENRY FREER, St. Albans, Vt. Filed Feb. 5, 1925. Serial No. 7,073. 3 Claims. (Cl. 4—287.)



1. In a stopper for a lavatory, said stopper being provided with a water outlet opening, a closure plate for said outlet opening, means for normally holding the closure plate against the bottom of the stopper for preventing the flow of water through the outlet opening, said closure plate adapted to be moved into an inoperative position whereby the outlet opening is uncovered when the water in the lavatory reaches a predetermined level to permit the flow of the excess water through said outlet.

1,581,534. SOCKET ATTACHMENT. ROBERT GANS, Bronx, N. Y. Filed June 30, 1924. Serial No. 723,414. 4 Claims. (Cl. 240—123.)

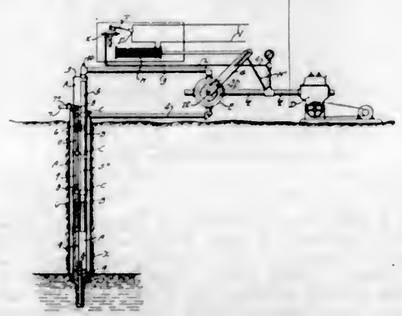


1. An attachment for electric lamp sockets comprising a cup-shaped member open at one end and shaped to conform to the curvature of a socket, means for clamping said member to the side of the socket, a serrated, faced key operating member within the cup-shaped member, a pin, extending through the closed end of the cup-shaped member, a resiliently controlled lever pivoted on said pin and means carried by the lever and engaging with the serrated face of the key operating member to partially rotate the same.

1,581,535. RUG BAG. GERTRUDE VAN GIESEN GRANGER, Savannah, Ga. Filed July 17, 1925. Serial No. 44,327. 1 Claim. (Cl. 150—52.)

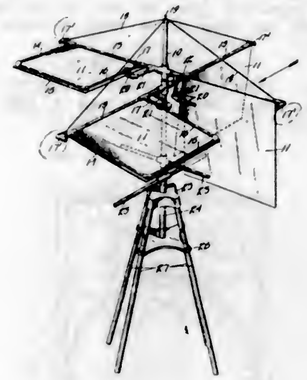
In a tubular bag, a top, the top attached to the bag by means of a section of the bag, said section acting as a hinge, a closure means, the closure means having a triangular clasp between the edges of the closure means in order to keep the bag in a semi-open position.

1,581,536. APPARATUS FOR RAISING LIQUID FROM A LOWER TO A HIGHER LEVEL. MARK E. GREGORY, Ferguson, Mo. Filed Sept. 21, 1922. Serial No. 589,629. 3 Claims. (Cl. 103—236.)



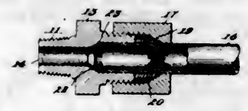
1. An apparatus for raising liquid, comprising the combination of a plurality of superimposed chambers of equal diameter, open-ended pipes putting alternate chambers in constant communication, other pipes leading from one chamber into the next one above, check-valves in said other pipes, a vacuum pump, and connections to each of said groups of chambers, and a valve device to control said connections so that each group is first subjected to suction and then to atmospheric pressure, alternately.

1,581,537. WINDMILL. HENRY K. HENNIGH, Newcastle, Ind. Filed Feb. 11, 1924. Serial No. 692,121. 6 Claims. (Cl. 170—27.)



1. A wind mill comprising radially arranged horizontal vanes, a sleeve between them said sleeve being journaled coaxially with the vanes, and oppositely projecting fingers on the sleeve contacting with said vanes, said fingers extending at an angle of approximately 90° to each other, substantially as set forth.

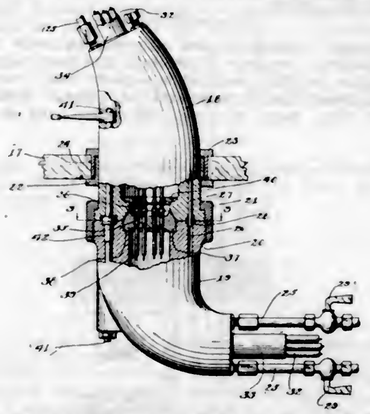
1,581,538. COMPRESSION COUPLING. CHARLES A. HILL, Port Huron, Mich., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Feb. 6, 1922. Serial No. 534,579. 1 Claim. (Cl. 285—166.)



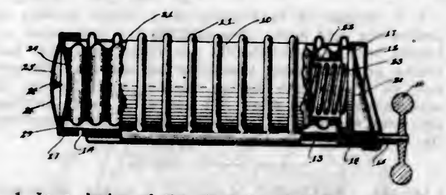
In a coupling of the class described, the combination of a union having a bore of unequal diameters connected by a tapered wall, a coupling nut threaded to one end of said union and having a bore with a tapered wall inclined in an opposite direction to the tapered wall of the union, a pipe adapted to engage the tapered wall in said union, and a compression member surrounding said pipe and abutting the end of said union, the opposite end of the compression member engaging the tapered wall in said nut, whereby when said union and nut are drawn together the end of the pipe and the opposite end of the compression member will be compressed and tapered by the oppositely tapering walls of said union and nut.

1,581,539. QUICKLY-DETACHABLE CONNECTION FOR THE POWER PLANT OR POWER-PLANT UNIT OF AN AIRPLANE. ROBERT KAUCH and CHARLES L. PAULUS, Dayton, Ohio. Filed Oct. 9, 1923. Serial No. 667,557. 5 Claims. (Cl. 244—31.)

". The combination of a frame, a motor removably mounted therein, leads for the gasoline and oil supply for said motor on said frame having connection with said motor, said leads being parted intermediate their ends whereby the ends connected to said motor are removed therewith from said frame, a split terminal block, one half of which stays with said frame and cooperates with the other half staying with said motor to join together the respective parted ends of said leads, and means to insure connecting said halves together in only one position.

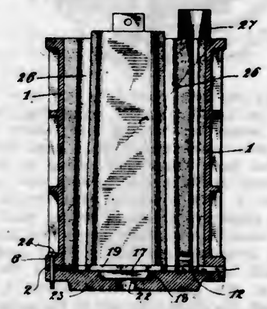


1,581,540. FIRE EXTINGUISHER. CHARLES L. PAULUS and ROBERT KAUCH, Dayton, Ohio. Filed Mar. 31, 1924. Serial No. 703,220. 3 Claims. (Cl. 169—30.)



1. In a device of the class described in combination, a barrel, a single threaded rod held against movement endwise in said barrel and disposed eccentric with relation to said barrel, an operating handle on one end of said rod outside said barrel, and a plunger reciprocable in said barrel having an elongated boss with said rod threaded therethrough, said plunger having a reinforced rib supporting the outer end of said boss.

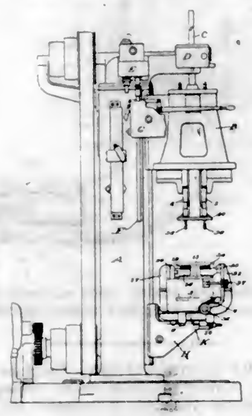
1,581,541. METHOD AND APPARATUS FOR CASTING INGOT MOLDS. JOHN E. PERRY, Sharon, Pa. Filed Mar. 27, 1923. Serial No. 627,943. 29 Claims. (Cl. 22—133.)



1. The method of preparing a sand mold for casting an ingot mold, said method comprising, positively centering a mold pattern within a flask, ramming mold sand

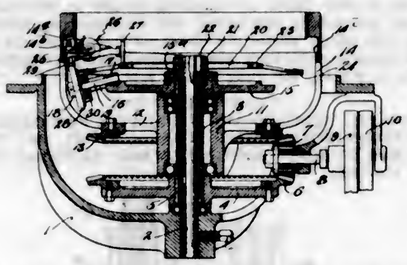
between the pattern and the flask, and directly supporting the rammed sand wall when the flask is being stripped from the pattern.

1,581,542. METHOD AND APPARATUS FOR BACK FACING. FREBERT J. PETERS, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a Corporation of Indiana. Filed Jan. 20, 1925. Serial No. 3,630. 23 Claims. (Cl. 90—18.)



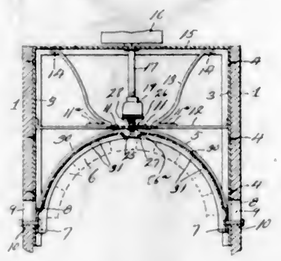
1. A method of back-facing work which consists in perforating said work; then aligning the perforation coaxially with a non-yieldable but rotatable facing tool having an axial bore; then inserting through said perforation a stub into driving relation with the bore of said facing-tool to rotate it; and then bodily shifting the work against the facing-tool until it has completed its back-facing operation.

1,581,543. BRAIDING MACHINE. ANKER PETERSEN, Winthrop, Mass. Filed Sept. 29, 1923. Serial No. 665,705. 1 Claim. (Cl. 96—7.)



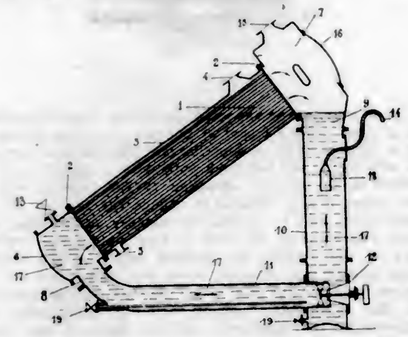
A braiding machine comprising an outer frame provided with an annular carrier supporting track, an inner frame, means for turning said frames in opposite directions about a common axis, a fixed disc-like table overlying the inner frame and having an annular carrier supporting track concentric with the track of the other frame, a carrier having anti-friction means engaging the respective tracks, a rotary shaft below the table, said shaft being supported by the inner rotating frame and extending radially outward and downward with its axis intersecting the plane of the table substantially at the center of the latter, a pusher-roll mounted upon the shaft adjacent to the outer end of the latter and engageable with an element of the carrier to propel it along its supporting tracks, a pinion co-axial with the pusher-roll and disposed closely adjacent to the inner side of the latter and connected to the pusher-roll, the pinion being less in diameter than the roll and underlying the peripheral edge portion of the table, and an annular gear secured to the under side of the table and meshing with the pinion whereby to rotate the latter and the pusher-roll about the axis of the pusher-roll shaft when the inner frame turns relatively to the table.

1,581,544. ANIMAL-SCRATCHING DEVICE. EMIL PELAUM, Omaha, Nebr. Filed Sept. 3, 1925. Serial No. 54,199. 2 Claims. (Cl. 119—157.)



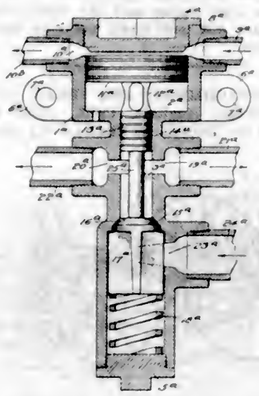
1. The combination with an animal scratching device comprising a frame, a vertically movable brush carrying member arcuately shaped and slidable in the frame, spring means for normally forcing said brush carrying member downwardly, of an oil supply tank above the brush carrying member, a valve carried by said tank, of a valve stem extending downwardly from said valve into a recess in the upper side of the brush carrying member and into which oil is discharged to oil grooves in the upper side of the brush carrying member, the bottoms of said oil carrying grooves being perforated.

1,581,545. PROCESS OF PREVENTING INCRUSTATION OF PIPES. CHARLES PRACHE, Paris, France. Filed Oct. 24, 1919. Serial No. 332,903. 1 Claim. (Cl. 159—17.)



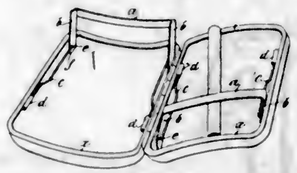
The process of preventing incrustation of pipes through which a liquid, containing solids in solution, to be evaporated circulates which consists in introducing into the liquid an abrasive in comminuted form, said abrasive being insoluble and chemically neutral with respect to the liquid, in maintaining the abrasive in suspension in the liquid so as to circulate with it through the pipes by rapidly propelling the liquid and abrasive mechanically under the influence of heat, and in replenishing the liquid to compensate for evaporation of same and to expel concentrated solution from the circulating system while retaining the abrasive therein.

1,581,546. LOCOMOTIVE SANDER VALVE. WILLIAM L. RANSON, Roanoke, Va., assignor, by mesne assignments, to Graham-White Sander Corporation, Roanoke, Va., a Corporation of Virginia. Filed May 8, 1923. Serial No. 637,555. 6 Claims. (Cl. 291—16.)



1. In a locomotive sander valve, the combination with a casing having a plurality of chambers therein, one of said chambers having a plurality of outlets therefrom, pipes connecting said outlets to the sanding device, of a plurality of valves positioned within said last named chamber, a piston mounted within said other chamber, and fluid pressure means associated with said piston for operating said valves in unison.

1,581,547. CASE FOR CIGARETTES AND OTHER ARTICLES. ARTHUR FRANCIS ROWE, Leatherhead, England. Filed Nov. 17, 1924. Serial No. 750,405. 2 Claims. (Cl. 206—41.)

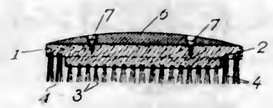


1. In a case for cigarettes and other articles, a spring supported and controlled clip consisting of a transverse retaining bar of relatively thin metal, side pieces bent downwardly at right angles to the bar and parallel with the sides of the case and a pair of springs one for each side piece and each consisting of a blade spring held at one end to the side of the case, the other end engaging the free end of one of the side pieces of the retaining bar, as set forth.

1,581,548. FISH BAIT. HARRY I. RUDDELL, Winnipeg, Manitoba, Canada. Filed Dec. 4, 1924. Serial No. 753,934. 4 Claims. (Cl. 43—36.)

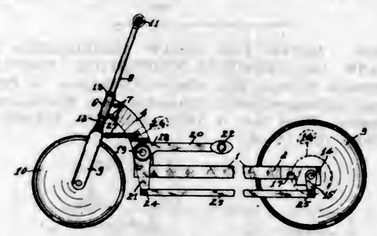
1. In a fish bait, a central shaft, a plurality of fish hooks grouped around the shaft and having their forward ends pivoted to permit of the radial outswinging of the hooks, a member slidably mounted on the shaft and adapted when shifted in one direction to move the free ends of the fish hooks outwardly, a spring actuated, normally locked trigger mechanism retaining the sliding member in a position such that the fish hooks are grouped adjacent the shaft, a plurality of resilient pressure plates encasing the former parts and adapted to be impressed by the biting pressure of a fish and means actuated by the inward movement of any of the said plates to release the trigger mechanism to effect a simultaneous outward movement of the hooks through suitable openings provided in the pressure plates.

1,581,549. BRUSH. GEORG KARL WILHELM SCHMIDT, Feuchtwangen, Germany. Filed Apr. 30, 1925. Serial No. 27,074. 2 Claims. (Cl. 15—167.)



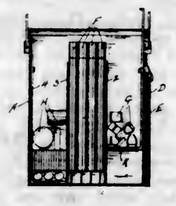
1. A brush for brushing the hands and the nails comprising a brush back provided in its centre with a row of stiff bristles, the bristle ends of said row terminating in a channeled working surface said brush back being provided on either side of said central row of bristles with a group of more flexible bristles the working surface of said more flexible bristles being coterminous with the peripheral bristles of said central group.

1,581,550. VEHICLE TOY. AUGUST SCHOLER, Pittsburgh, Pa. Filed Jan. 10, 1925. Serial No. 1,606. 3 Claims. (Cl. 208—33.)



1. A vehicle toy comprising a flat elongated body portion having a bifurcated rear end, a shaft journaled in said rear end, a wheel fixed on said shaft, a supporting bracket fixed to the forward end of said body portion, a steering stem shiftably mounted in said bracket, a steering wheel rotatably carried at the lower end of said stem, a crank arm fixed to one end of said shaft, a treadle member pivotally carried by said bracket, and a connecting bar pivotally connected with said crank arm and with said treadle member.

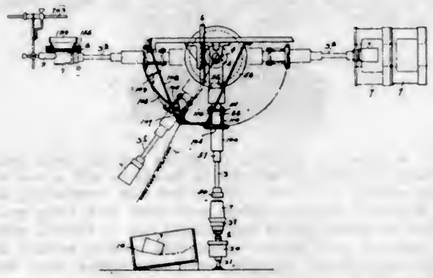
1,581,551. FLAGMAN'S CASE. GEORGE B. SHARP, Salt Lake City, Utah. Filed June 2, 1925. Serial No. 34,342. 2 Claims. (Cl. 246—488.)



1. A signal man's case comprising a container divided into a plurality of compartments; means to suspend said case from the shoulder of a flagman; a signal detach-

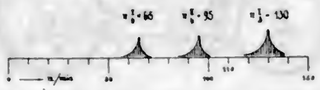
ably fastened on the side of said case; an adjustable handle for said signal; a plate conforming in size and shape with said compartments; a handlle on said plate to move said plate in its respective compartment, whereby the contents of said compartment may be made accessible; and a lighter case on one end of said case.

1,581,552. MACHINE FOR FINISHING GLASSWARE. NOAH THOMAS EDGAR SKINNER and ANDREW J. SANFORD, Newark, Ohio, assignors to A. H. Heisey & Co., Newark, Ohio, a Copartnership. Filed May 6, 1922. Serial No. 559,024. 36 Claims. (Cl. 49—7.)



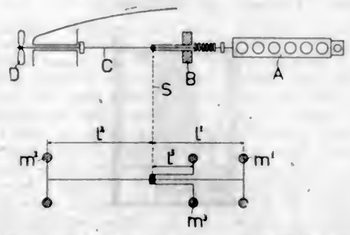
1. Apparatus for fire polishing and finishing glassware comprising a ware-holder fluid-pressure means for moving said ware-holder successively to a ware-receiving position, a fire-polishing position, a finishing position, and a ware-detaching position, and means for attaching ware to said holder.

1,581,553. DRIVE FOR SHIPS' PROPELLERS BY MEANS OF INTERNAL-COMBUSTION ENGINES. FRIEDRICH SOLTAU, Kiel, Germany, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Nov. 8, 1921. Serial No. 513,800. 7 Claims. (Cl. 74—6.)



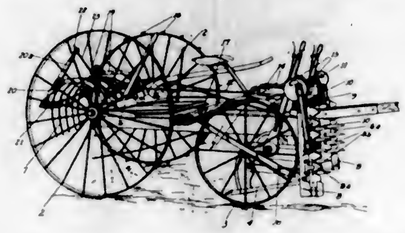
1. A method of eliminating critical speeds substantially without stiffening the shaft of the driven system consisting in arranging a flywheel on the said shaft at such a distance from the driving motor that the critical speeds substantially disappear.

1,581,554. METHOD OF ELIMINATING DANGEROUS VIBRATION PERIODS IN SHIPS' PROPELLER SHAFTS. FRIEDRICH SOLTAU, Kiel, Germany, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Mar. 13, 1923. Serial No. 624,875. 2 Claims. (Cl. 74—6).



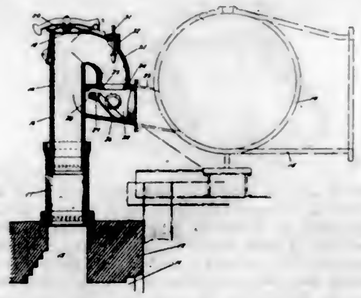
1. In a ship propelling system comprising an internal combustion engine, a propeller and a drive shaft connecting said engine and propeller, the combination of a fly-wheel elastically connected to the the natural nodal point of said said shaft, the product of the mass of said fly-wheel and the elastic length between said fly-wheel and said nodal point being equal to the product of the mass of said propeller and the elastic length between said propeller and said nodal point, and to the product of the mass of said engine and the elastic length between said engine and said nodal point as and for the purpose described.

1,581,555. ATTACHMENT FOR BEAN CUTTERS. JOHN C. TOWLER, Hughson, Calif. Filed Sept. 29, 1924. Serial No. 740,485. 6 Claims. (Cl. 56—192.)



1. In a bean vine cutter, a rake, means for alternately lowering and raising the rake, whereby to engage and form spaced piles of the vines, and means arranged in direct connection with the rake and operating automatically for causing the vines as they are initially engaged by the rake to be severed from those to the rear of the rake.

1,581,556. STANDPIPE APPARATUS. JOSEPH VAN ACKEREN, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1923. Serial No. 680,532. 13 Claims. (Cl. 202—9.)

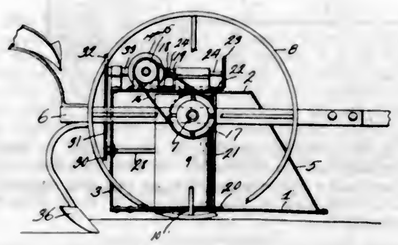


1. A standpipe apparatus for conveying distillation gases from a carbonization chamber to a collecting main, comprising: a riser pipe receiving at its lower end the gases, an upper discharge pipe curving downwardly from the top of said riser pipe, a lower discharge pipe inclining laterally from the riser pipe and connected laterally with the collecting main below the longitudinal axis of the latter, said upper discharge pipe projecting within said lower discharge pipe to form a valve seat, a drop valve body located within the lower discharge pipe and movable upwardly against said seat to shut off the riser pipe from the collecting main, and a spray nozzle mounted in the top of the upper discharge pipe above the valve body for spraying downwardly through the connected pair of discharge pipes and also on to the movable valve body.

1,581,557. HAIRPIN. HAZEL H. WALTZ, Oakland, Calif. Filed June 24, 1925. Serial No. 39,219. 2 Claims. (Cl. 132—50.)

1. A hair pin made of spring material having greater width than thickness, consisting of two opposed legs, each leg of said pin having parallel side edges and a connecting bend, the said legs being of the same width and in contact with each other at their free ends and for the major length of the pin.

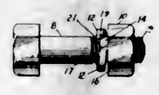
1,581,558. CORNSTALK-CUTTING MACHINE. TRAVIS O. WIGGINS, Georgetown, Tex. Filed Nov. 5, 1925. Serial No. 67,117. 2 Claims. (Cl. 55—118.)



1. A corn stalk severing machine comprising a frame, ground engaging wheels supporting said frame, vertically disposed gripping rollers rotatably mounted within the frame, a cutter knife rotatably mounted adjacent the lower ends of the rollers forwardly thereof, a vertically disposed shaft carried by said cutter knife, a transversely disposed operating shaft carried by the frame, driving connections between the transversely disposed shaft and the upwardly extending shaft of the cutter knife, a cutter knife disposed rearwardly of the rollers in a transverse vertical plane, driving connections between the transverse shaft and the last named cutter knife, driving connections between the transverse shaft and the rollers and driving connections between the transverse shaft and one of the ground engaging wheels.

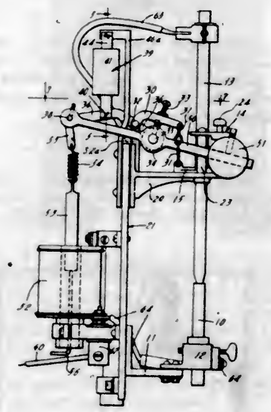
1,581,559. NUT. DAVID E. WILLIAMS, Oakland, Calif., assignor of one-third to Eirven E. Williams, Tranquillity, Calif., and one-third to Billy Mo, Oakland, Calif. Filed Jan. 26, 1925. Serial No. 4,766. 1 Claim. (Cl. 151—37.)

A nut having a lock washer formed on its face, said lock washer comprising a plurality of resilient, spirally formed tongues, each tongue projecting axially from a root integral with the nut, each root being provided with a face side parallel with the face of the nut and at right angles to the axis of the nut, the face sides of the roots being in the same plane; each tongue being separated from the nut by one kerf, and the root of



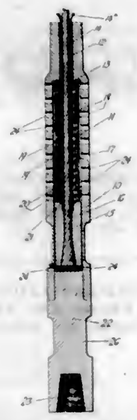
each tongue being separated from the end of the adjacent tongue by another kerf and the edge of each tongue first engaging the work being rounded to facilitate removal of the nut.

1,581,560. MULTIPLE-ARC LAMP. EDWARD F. WINFIELD and OTTO KERNER, Los Angeles, Calif. Filed Aug. 18, 1919. Serial No. 318,117. 1 Claim. (Cl. 176—59.)



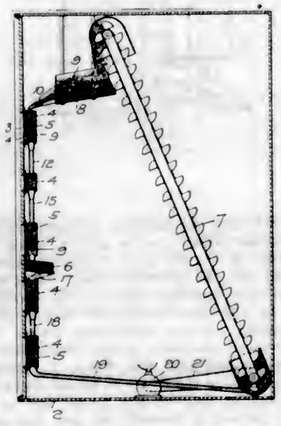
In an arc lamp mechanism, a frame with means for carrying a stationary carbon and a guide for a movable carbon, a clutch plate adapted when lifted to engage and lift the movable carbon and when lowered to release the movable carbon, an oscillating frame mounted on the first mentioned frame, an adjustable weight carried by the oscillating frame at one side of its pivot, a solenoid, spring connective means between the solenoid and the frame, a motion retarding means connected to the frame to retard upward movement of the weighted side of the frame and to allow free downward movement thereof, an arm connected to and oscillating with the oscillating frame and having an end projecting past the oscillating center on the weighted side of the frame, a free arm pivoted on the oscillation center of the frame, adjustable means on said free arm resting on the end of the oscillating arm so that the position of the free arm may be adjusted with reference to the oscillating arm and frame and so that upward movement of the weighted side of the frame raises the free arm and downward movement of that side of the frame leaves said arm free to fall, and a loose link connection between the free arm and the carbon clutch.

1,581,561. ROPE SOCKET. ALTON F. YEATON and LEWIS W. BREYFOGLE, Akron, Ohio, assignors to The Star Drilling Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 2, 1925. Serial No. 79. 18 Claims. (Cl. 24—123.)



1. In a rope socket, the combination of a casing adapted to be connected to a drilling tool, a block within the casing, connected to a cable and means for yieldingly supporting the casing on the block, said means including a cushioning element of rubber.

1,581,562. DISPLAY APPARATUS. WARREN F. BLEECKER and ELLSWORTH A. CLARK, Boulder, Colo. Filed May 24, 1922. Serial No. 563,445. 8 Claims. (Cl. 46—37.)

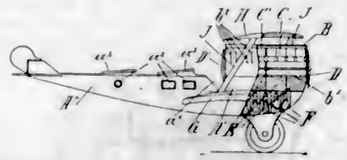


1. In display apparatus, the combination with an element having a system of intercommunicating channels between separated points of feed and discharge, the channels being exposed at a surface of the element, of a quantity of granules of different sizes and correspondingly differing colors adapted to move through the channels, means in the system for dividing the granules according to their sizes, and a conveyor for returning the granules from the point of discharge of the system to the feed point of the same.

1,581,563. RESERVOIR PAD AND THE LIKE. JOHN HENRY BROWN, Ilford, England. Filed Nov. 20, 1922. Serial No. 602,302. 2 Claims. (Cl. 15—135.)

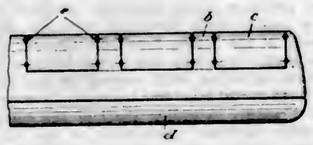
1. A reservoir pad comprising in combination, a container, having a cylindrical exit tube, a pad having an aperture in which said exit tube is fitted, the said tube having an outwardly flared portion extending around said aperture and overlying and bearing upon the pad to secure it to the container.

1,581,564. TWIN-MOTOR FLYING MACHINE. CLAUDE DORNIER, Friedrichshafen-on-the-Bodensee, Germany. Filed June 28, 1920. Serial No. 392,565. 7 Claims. (Cl. 244—14.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a flying machine in combination, a hull, accommodation for the driver in said hull and a power plant and a pressure propeller on said hull substantially on a level and in line with and in front of said accommodation.

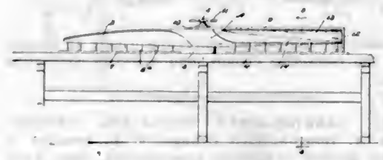
1,581,565. WING OF FLYING MACHINES. CLAUDIUS DORNIER, Friedrichshafen-on-the-Bodensee, Germany. Filed May 15, 1924. Serial No. 713,503. 6 Claims. (Cl. 244—12.)



1. A wing or supporting surface for flying machines comprising a middle web, ribs extending from said middle web substantially at right angles thereto, a self-contained sectional member filling the gap between said middle web and said ribs and means for fixing said member in place between said ribs in an easily disengageable manner.

1,581,566. PROPELLER PITCHOMETER. RONALD C. DUNBAR, Chicago, Ill. Filed June 16, 1920. Serial No. 389,457. 1 Claim. (Cl. 33—174.)

A propeller pitchometer comprising a base, a center post for the propeller hub carried by the base, and a propeller surface checking arm journaled on the center post, the outer end of which has a leg for bearing against the base and for checking the length of the propeller

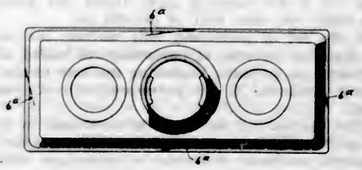


blade, and the intermediate portion of which has an edge contoured to the correct shape for bearing the surface of the propeller to be gaged substantially from hub to tip thereof.

1,581,567. SLIDE RULE. JESSE E. ESHBAUGH, Dayton, Ohio. Filed June 9, 1923. Serial No. 644,475. 1 Claim. (Cl. 235—70.)

A slide rule having a slide and a base, bearing two sets of logarithmic scales one set of two different scales upon each side of its longitudinal center, a scale "a" of one set being on the slide, a scale "b" of the same set being upon the base, all of said scales having different origins, and scales "c" and "d" of the other set being upon the slide and base respectively, three of said scales reading in the same direction and the fourth reading oppositely; said scales being so related that $\frac{b}{a}=\frac{k}{cd}$ at any single position of the slide.

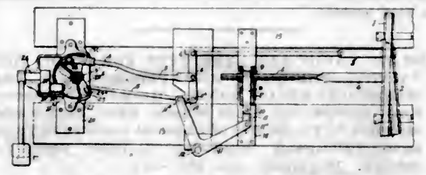
1,581,568. STORAGE-BATTERY-CELL COVER. BRUCE FORD, Philadelphia, Pa. Filed June 30, 1925. Serial No. 40,491. 3 Claims. (Cl. 136—170.)



1. A concave cell cover of hard rubber or like material having an offset marginal wall provided with a flange and having slits through said flange and through a part of said wall.

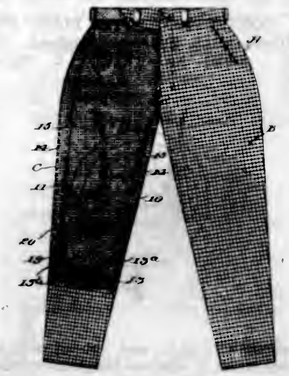
1,581,569. SWITCH STAND. MICHAEL P. FOX, Washington, Pa. Filed Dec. 12, 1924. Serial No. 755,362. 19 Claims. (Cl. 246—401.)

4. In a switch stand the combination of a signal staff, switch operating mechanism, switch throwing connections, a signal staff, and switch throwing connections and signal staff operating connections both operated from the switch throwing mechanism in such manner that the signal staff is rotated prior to effective movement of the switch



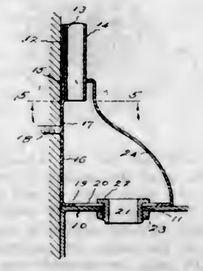
operating means in opening the switch and subsequent to effective movement of the switch throwing connections in closing the switch.

1,581,570. CONVERTIBLE TROUSERS. IRVING I. FRANKEL, Cincinnati, Ohio. Filed Dec. 30, 1925. Serial No. 78,443. 6 Claims. (Cl. 2—227.)



1. A pair of trousers composed of sections of material joined together, the sections of the leg portions being cut on a pattern to allow considerable fullness therein, said leg sections being joined together longitudinally by a line of stitching outlining said fullness, and a second line of stitching along said seams and spaced from said first line of stitching to provide a trouser of less fullness, whereby upon removal of the second lines of stitching greater fullness may be obtained.

1,581,571. CONDUIT COUPLING. OTTO A. FREDERICKSON, Hartford, Conn., assignor to The American Wiremold Co., Hartford, Conn., a Corporation of Connecticut. Filed Apr. 14, 1925. Serial No. 23,110. 5 Claims. (Cl. 247—25.)



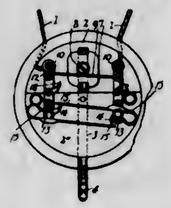
4. Means for coupling the end of a conduit with a casing comprising a bracket having a back section for attachment to a wall and a tongue at the end of said sec-

tion for connection with a conduit, and having a forwardly extending section with an elongated slot, a bushing adjustably mounted in said slot, and a nut threaded on said bushing.

1,581,572. ACID AZO DYESTUFFS FOR WOOL CONTAINING CHROMIUM AND PROCESS FOR THE MANUFACTURE OF SAME. HERMANN FRITZSCHE, HANS GUBLER, and FRITZ STRAUB, Basel, Switzerland, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 15, 1923. Serial No. 668,764. 12 Claims. (Cl. 260—12.)

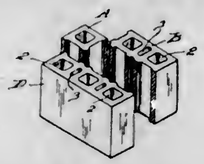
1. As a new process the herein described manufacture of new acid azo dyestuffs for wool containing chromium, which consists in coupling the diazo-compounds of aromatic ortho-hydroxy-amino-compounds which contain no nitro-groups, with amino-compounds of the naphthalene series which are capable of being coupled in ortho-position to the amino-group, and then treating the dyestuffs thus obtained with trivalent compounds of chromium.

1,581,573. CONNECTION WITH PLUG SWITCHES. SIDNEY MOSES HALE, Ruardean, England. Filed Mar. 21, 1925. Serial No. 17,407. 2 Claims. (Cl. 179—29.)



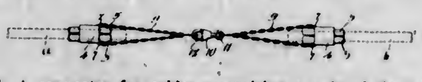
1. An automatic plug-in and cut-out telephone hook for series connection in wireless telephone circuits characterized by a base member, a pair of terminals mounted on said base, a telephone hook slidable in a recess in such base, means connected with such hook for depressing a blade spring when the receiver is applied to the hook, to close the circuit between the terminals, plug-in terminals connected with the aforesaid terminals and plug-in leads on a receiver for engaging the plug-in terminals and a cover, as described.

1,581,574. HOLLOW WALL CONSTRUCTION AND BUILDING BLOCK. FREDERICK HEATH, Tacoma, and FREDERICK T. HEATH, Seattle, Wash. Filed Aug. 15, 1921. Serial No. 492,383. 6 Claims. (Cl. 72—41.)



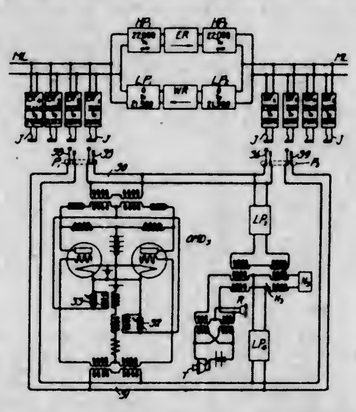
1. A hollow building tile of rectangular horizontal cross section, the said tile having a plurality of large voids defined by the outer walls of said tile on two sides thereof and on the other sides by webs having smaller voids therein, said webs uniting at a common point and having a void at the point of junction of said webs whereby said tile may be divided into a plurality of smaller tiles each having two of its sides formed of portions of said webs, said void acting to prevent fracture of the tile in any other manner than that desired.

1,581,575. CABLE CONNECTER. ORTON H. HENDERSON, Long Beach, Calif. Filed June 15, 1925. Serial No. 37,231. 2 Claims. (Cl. 24—126.)



1. A connecter for cables comprising a pair of clamps, bails for the respective clamps, and a swivel connecting the bails.

1,581,576. CARRIER-WAVE SIGNALING SYSTEM. JOSEPH W. HORTON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1922. Serial No. 544,709. 17 Claims. (Cl. 179—15.)



1. A combined oscillator-modulator comprising a self-oscillating vacuum tube modulator comprising a pair of space discharge paths connected in balanced relation with respect to the incoming and outgoing circuits having a pair of feed-back circuits differently tuned to enable it to oscillate at two different carrier wave frequencies.

1,581,577. COMPOSITION OF MATTER. LEON INGRASSIA, Brooklyn, N. Y. Filed Mar. 25, 1922. Serial No. 546,869. 11 Claims. (Cl. 167—9.)

3. A composition for use in treating hair in the art of permanent hair-waving, comprising a sodium salt and mineral oil of the class of light liquid oils having a boiling point less than that of paraffin oil.

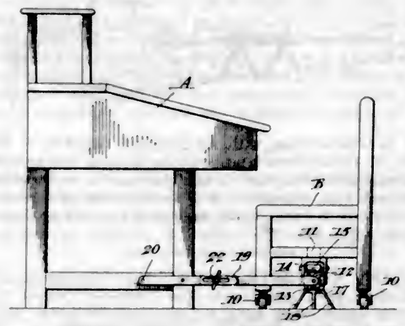
9. In the art of permanent hair waving, the method which includes the step of protecting the coiled strand of hair with an oil while subjecting the hair to the heat treatment incidental to the permanent hair waving operation.

11. The method of waving hair consisting in giving the hair the desired form, then treating the hair with an aqueous solution of borate of soda and with an oil, and finally heating it.

1,581,578. TEA BALL. OTTO LEON KIESELBACH, New York, N. Y. Filed Oct. 8, 1923. Serial No. 667,239. 7 Claims. (Cl. 53—3.)

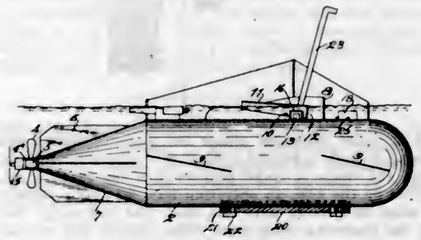
1. A receptacle-blank comprising a single piece of material in the form of an oblong plane quadrilateral, the same being scored in zigzag lines extending lengthwise of the blank and obliquely of the sides thereof, the ends of said lines being spaced from the sides of said blank.

1,581,579. COMBINATION DESK AND CHAIR. MONTAGUE WILLIAM KYNCH, Regina, Saskatchewan, Canada. Filed Apr. 2, 1924. Serial No. 703,730. 1 Claim. (Cl. 155—122.)



The combination with a work element such as a desk or the like, of a guide rail movably supported above the ground and parallel therewith, and adjustable extensible means connecting the work element with the rail, a chair having legs provided with casters to engage with the ground and also having intermediate the seat and said casters a guideway adapted to slidably engage with said guide rail, and shock absorbing roller means carried by said guideway and engaging said guide rail.

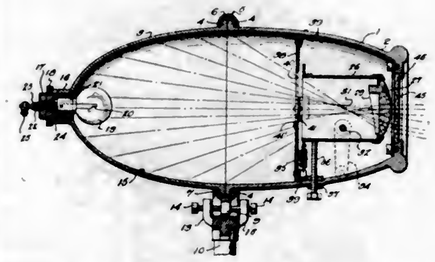
1,581,580. SUBMARINE VESSEL. FRANK LASKI, Lomita, Calif. Filed Oct. 30, 1924. Serial No. 746,818. 5 Claims. (Cl. 46—37.)



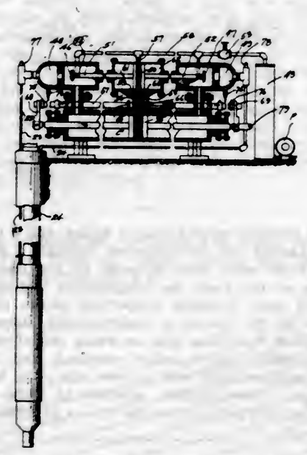
1. An automatic submarine toy including a body having an air-tight chamber, a variable valve for discharging air from the chamber, an inverted air pan pivotally mounted on the body in an overbalanced position and arranged to collect the released air, and an upright buoyant member attached to the lighter end of the tilting pan to reverse its position when afloat to release entrapped air and operative to firmly hold the pan in entrapping position while the said member is submerged.

1,581,581. HEADLIGHT. JOHN MINOR BOTTS LEWIS, Lynchburg, Va. Filed Feb. 12, 1924. Serial No. 692,411. 2 Claims. (Cl. 240—41.)

1. A device of the character described comprising a light converging reflector having principal and conjugate foci, a light source arranged at the principal focus of said reflector and an astigmatic lens arranged near the conjugate focus of said reflector, and in the path of light from said light source and said reflector, said lens having its shortest radius of curvature arranged vertically, a screen arranged in the path of rays normally forming the upper portion of the light beam, said screen being arranged a substantial distance from the conjugate focus of said reflector, and means for partially absorbing aberration color at the upper limit of the light beam defined by said screen.



1,581,582. HYDRAULIC PUMP AND SYSTEM. CHARLES E. H. LLOYD, Los Angeles, Calif. Filed June 30, 1924. Serial No. 723,199. 8 Claims. (Cl. 103—46.)

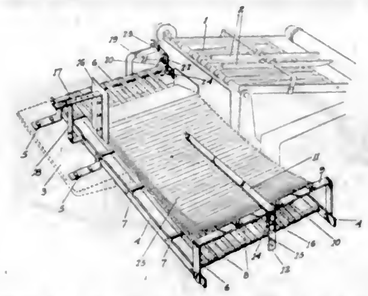


1. In a pumping system, the combination of: an hydraulic pump comprising a plunger carrying a piston; a pressure supply tank adapted to contain an operating liquid; pipes extending from said tank and to said pump; and an interposed operating head comprising means for varying the alternations of pressure through said pipes on opposite sides of said plunger, said means comprising a cylinder, a second piston adapted to reciprocate in said cylinder, a rod extending from each side of said second piston, and valves on the free ends of said rod, said valves being adapted to open and close passages in said pipes.

1,581,583. ENVELOPE-STACKING ATTACHMENT FOR PRINTING PRESSES. CHARLES L. LOW, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed Feb. 16, 1924. Serial No. 693,242. 6 Claims. (Cl. 271—87.)

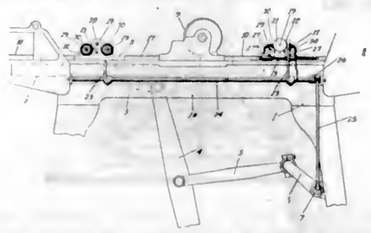
1. An envelope stacker for printing presses including an intermittently driven conveyor positioned to receive

the envelopes from the press-conveyor in single file, and fixed fingers sloping upwardly and forwardly from the



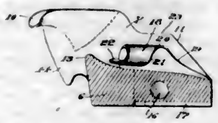
conveyor adjacent the head end thereof, and a vertically adjustable and horizontal bar projecting over and above the stacker conveyor longitudinally thereof.

1,581,584. FORM-ROLLER STRUCTURE FOR PRINTING PRESSES. CHARLES L. LOW, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed July 1, 1924. Serial No. 723,515. 5 Claims. (Cl. 101—186.)



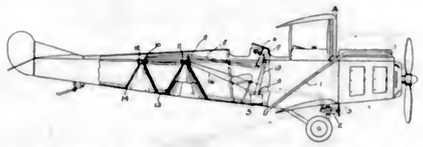
1. In a printing press having a frame, and a type-form mounted therein for reciprocation through a fixed distance, a form roller unit mounted on the frame above the plane of the form for longitudinal sliding adjustment, said unit including supporting blocks above the side rails of the frame, a longitudinally disposed rod suported from the frame and on which one of the blocks is both slidably and turnably mounted, and clamping means disengageable at will between the other block and the adjacent frame member, whereby to allow the unit to be swung upwardly about the rod as an axis.

1,581,585. AUTOMATICALLY-THREADING SHUTTLE. HENRY LUSSIER, Salem, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 11, 1925. Serial No. 74,828. 5 Claims. (Cl. 139—223.)



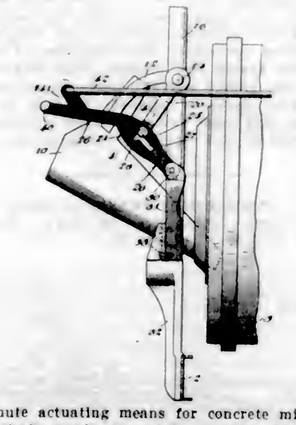
1. In an automatically threading loom shuttle, the combination of the shuttle body having a longitudinally extending thread passage, a thread casting device in the longitudinally extending thread passage to cast the thread therefrom on the occurrence of a loop or overthrow, and a guard for protecting the thread casting device constituted by the side walls of the longitudinally extending thread passage which extends in an upwardly inclined direction from the bobbin chamber above the thread casting device.

1,581,586. AIRPLANE SOUND AMPLIFIER. GEORGE W. MCCAULEY and RICHARD W. MACKIE, Houston, Tex. Filed Dec. 4, 1924. Serial No. 754,000. 2 Claims. (Cl. 179—1.)



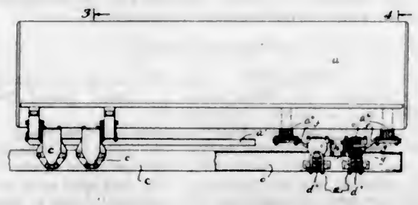
2. In combination with an airplane fuselage, a plurality of funnel-shaped megaphones directed downwardly and connected integrally to said fuselage, a loud speaker with each said megaphone, a power amplifier and electrical connections between the same and a sound producing means.

1,581,587. CONCRETE MIXER. OBERT GISERD MANDT, Keokuk, Iowa, assignor to The American Cement Machine Co., Keokuk, Iowa, a Corporation of Iowa. Filed Oct. 8, 1925. Serial No. 61,303. 6 Claims. (Cl. 193—10.)



2. A chute actuating means for concrete mixers comprising a shaft, a pair of arms fixed to the shaft and carrying the chute, a crank arm fixed to the shaft, a stud carried by the arm, an operating lever having a plurality of slots co-operable with the stud, and means for moving the operating lever from either side of the machine.

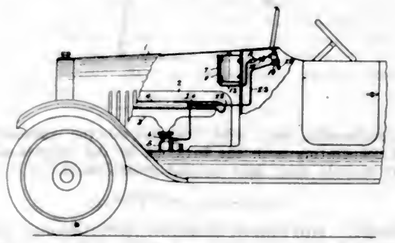
1,581,588. CUSHIONED SUPPORT FOR VEHICLE BODIES. ALFRED F. MASURY, New York, GEORGE O. HANSHEW, Brooklyn, and WILLIAM B. JUPP, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,321. 7 Claims. (Cl. 280—106.5.)



1. In combination with a vehicle frame and the body of the vehicle, a three point yielding suspension for the body comprising transverse arms disposed upon opposite

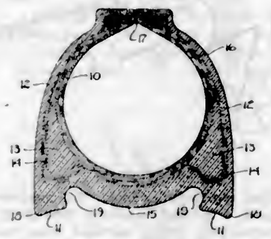
sides of the body near one end thereof, housings carried upon opposite sides of the frame and having an open side respectively into which an arm extends, and blocks of yielding non-metallic material disposed within the housings and engaging the ends of the arms, pairs of arms carried near the other end of the body substantially centrally thereof the arms of each pair extending in opposite directions and in parallel relation to the other pair, housings carried with the vehicle frame and having open sides respectively into which the second named arms extend, and blocks of yielding non-metallic material disposed within the housings and engaging the ends of the arms.

1,581,589. ATTACHMENT FOR INTERNAL-COMBUSTION MOTORS. KARL L. MAYERS and MALCOLM A. NEWMAN, San Antonio, Tex. Filed Oct. 21, 1922. Serial No. 596,127. 2 Claims. (Cl. 123—25.)



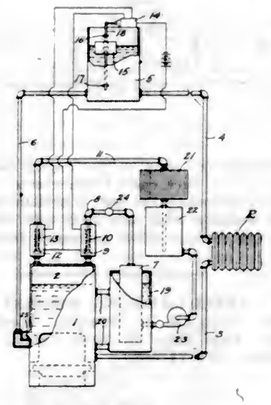
1. The combination with an internal combustion motor, of two liquid containers, a conduit leading from each container and uniting in a common conduit which enters the carburetor of the motor and is formed therein into a discharge nozzle, a section of said conduit being located in the exhaust manifold of the motor, said section being formed of an outside thimble closed at one end and an inside tubular stem, one end of which is spaced from the closed end of the thimble and is open.

1,581,590. PNEUMATIC TIRE. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed July 30, 1921. Serial No. 488,558. 1 Claim. (Cl. 152—13.)



In a pneumatic tire, a carcass, rings of rubber outside said carcass on each side of the tire about 120° from the center of the tire base, reenforcing material about said rings, rugged, substantial flanges forming extensions of said rings and normally projecting beyond the tread portion of the tire and adapted to be compressed when weight is put on the tire, whereby said flanges carry a substantial portion of the load and serve as a means of preventing side slippage.

1,581,591. WATER-HEATING SYSTEM. HENRI MOREAU, Paris, France. Filed July 23, 1924. Serial No. 727,797. 3 Claims. (Cl. 237—64.)

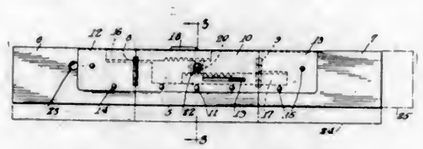


1. In a hot-water heating system, a water chamber, means for heating the water in said chamber, heat exchange means in communication with said chamber, a closed container in communication with said chamber, said container adapted to contain a liquid which will vaporize at a temperature substantially below the boiling temperature of water, a jacket surrounding said container, and conduit means connecting said jacket with said chamber, whereby when heat is applied to the water chamber said liquid will be vaporized and exert a pressure in said water chamber to force the water through said heat exchange means.

1,581,592. CREEPER. FRANK RAY NEAL, Woodfords, Me. Filed June 16, 1925. Serial No. 37,562. 2 Claims. (Cl. 280—61.5.)

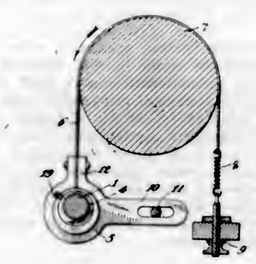
2. A creeper comprising spaced slats, cross bars connecting the slats, casters mounted upon the cross bars, a head rest, inclined side arms carrying the head rest extending through the spaces between certain slats and having pivotal connection with one of the cross bars, a keeper affixed to the under side of one of the slats and having a plurality of recesses directed rearwardly, and a head rest brace inclined in the direction of the side arms, extending through other slat spaces and including a bridge to engage any one of the recesses by entering from the rear, said inclination of the brace permitting disengagement of the bridge by manual rotation of the brace toward the side arms accompanied by a raising motion of the head rest preparatory to making a new adjustment in said recesses.

1,581,593. FOLDING TOOL. AARON S. NEWMARK, New York, N. Y. Filed Jan. 4, 1926. Serial No. 79,130. 3 Claims. (Cl. 287—99.)



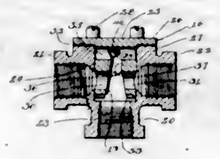
1. A folding tool comprising a central section, an end section hinged to each end of said central section, a rotatable gear carried by the central section, and bolts having teeth meshing with said gear and adapted to engage the end sections when protruded from the central section.

1,581,594. SPEED-CHANGING METHOD AND APPARATUS. WILLIAM J. O'LEARY, Montreal, Quebec, Canada. Filed June 26, 1924. Serial No. 722,465. 10 Claims. (Cl. 74—53.)



7. Apparatus of the character described comprising a pair of rotatable members, a belt contacting with the first rotatable member, and means to whip said belt transversely in response to rotation of the second rotatable member.

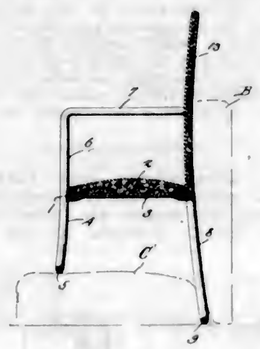
1,581,595. VALVE. HERBERT C. OSBORNE, Baltimore, Md. Filed July 12, 1924. Serial No. 725,602. 11 Claims. (Cl. 244—31.)



1. A valve to control the flow of a fluid through a pipe on a vehicle, comprising a casing having an inlet and an outlet opening, and a valve member therein pivoted to swing normally by pendulum action to a central dependent position when the vehicle tilts, whereby to control one of said openings.

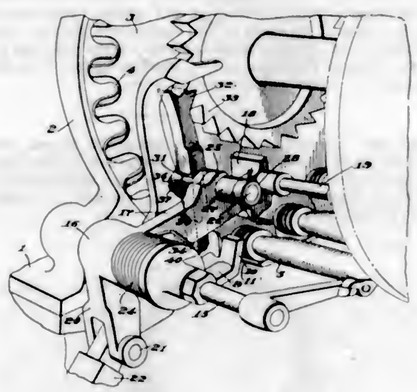
1,581,596. SUPPLEMENTAL SEAT FOR AUTOMOBILES AND THE LIKE. CHARLES W. PETTIGREW, Parkersburg, W. Va. Filed Oct. 3, 1925. Serial No. 60,276. 3 Claims. (Cl. 155—11.)

1. The combination with the seat and back cushions of an automobile seat, of a supplemental chair including a seat, a back leg extending back of the seat cushion of the automobile seat and in front of the back cushion thereof, and a front leg resting upon the seat cushion of



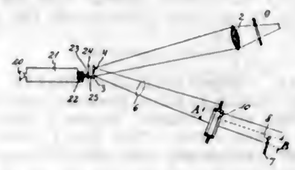
the automobile seat, said cushions of the automobile seat cooperating with the back leg of the supplemental chair to hold said chair against displacement.

1,581,597. HOPPER-ACTUATING MECHANISM FOR FILLING-REPLENISHING LOOMS. GEORGE POIRIER, Grosvenor Dale, Conn., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 27, 1925. Serial No. 71,546. 6 Claims. (Cl. 139—250.)



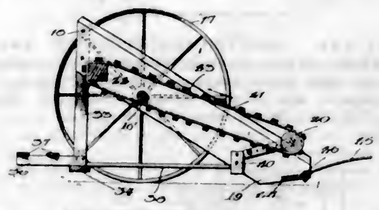
1. In a filling replenishing loom, the combination of a rotatable hopper, a ratchet rotatable therewith, a transferrer for discharging filling carriers from the hopper, a rocker mounted for rocking movement on the transferrer and having an opening extending tansversely of the axis of the rocker, a feed pawl having a shank extending through said opening with relation to which it may slide lengthwise, means between the rocker and feed pawl to prevent turning movement of the feed pawl in the opening of the rocker, a spring action upon the rocker and normally tending to turn the rocker to maintain the feed pawl in engagement with the ratchet, and means for imparting feed movement to the pawl by upward movement of the transferrer.

1,581,598. RECORDING MEANS. ARNOLD POULSEN and AXEL CARL GEORG PETERSEN, Copenhagen, Denmark. Filed Mar. 31, 1924. Serial No. 703,122. 1 Claim. (Cl. 274—46.)



A system of recording graphic representations of sound waves on a moving sensitized film, comprising a linear, filamentary source of light of constant intensity, a concentrating lens in the path of a beam of light emitted by said filament, a mirror for reflecting said beam, means for oscillating said mirror by the sound waves to be recorded, and a cylindrical lens arranged in the path of the reflected beam with its axis substantially parallel with the line of motion of said beam, whereby said mirror and cylindrical lens will conjointly act to produce a linear image of the lighting filament directly on the film.

1,581,599. POTATO GATHERER. WILLIAM C. ROTH, Le Roy, N. Y. Filed July 20, 1923. Serial No. 652,825. 1 Claim. (Cl. 55—51.)



A potato gathering attachment for potato diggers, comprising a pair of wheels, a frame including a pair of side boards supported between the wheels with the greater portion of the side boards extending forwardly of the wheels and the forward ends thereof beveled to engage and slide upon soil over which the same may be drawn, a brace between the forward ends of said side boards, and a strap secured at one end to the longitudinal center of the brace and its other end adapted to be secured to a potato digger.

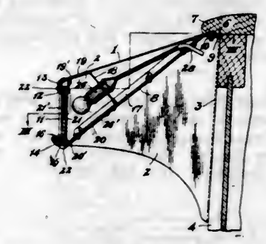
1,581,600. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 11, 1925. Serial No. 74,737. 7 Claims. (Cl. 139—223.)

1. In an automatically threading loom shuttle, the combination of a threading block having a longitudinally extending thread passage, a thread casting device in the longitudinally extending thread passage for casting the thread upwardly from the thread passage on the occurrence of a loop or overthrow, and a catch carried by the thread casting device to take control of the thread on the pick following replenishment in case the shuttle fails to be partially threaded on that pick.

1,581,601. SANITARY CLOSET PAN. PAUL SPECK, Karlsruhe, Germany. Filed Feb. 12, 1925. Serial No. 8,719½. 2 Claims. (Cl. 4—98.)

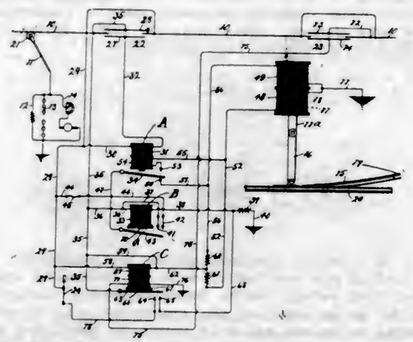
1. A sanitary closet pan, comprising a bowl having one lateral wall higher than the other, and a forwardly extending overhung seat portion on said higher wall.

1,581,602. COMBINED VISOR AND SIGN HOLDER FOR AUTOMOTIVE VEHICLES. HARRY C. SPONDER, Cleveland, Ohio, assignor to The Lang Body Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 4, 1924. Serial No. 735,772. 3 Claims. (Cl. 40—131.)



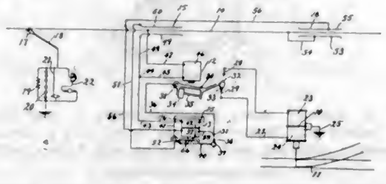
1. The combination with a vehicle having an upper body, of a combined visor and sign-holder consisting of a sheet metal plate forming a top member and bent downwardly to form end members, a bottom member having its rear edge portion joined with the rear edge portion of said top member and diverging from said top member forwardly to form a front space adapted to receive a suitable sign, illuminating means intermediate of said top and bottom members and means for securing such visor to the vehicle front.

1,581,603. CIRCUIT CHANGER. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 1, 1922. Serial No. 585,689. 38 Claims. (Cl. 240—227.)



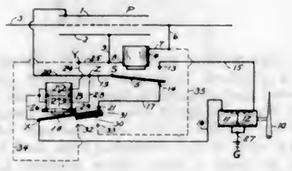
22. In combination, a double wound solenoid, means selectively supplying an operating current to the different windings of the solenoid and means constantly supplying current at relatively low amperage to both of the solenoid windings.

1,581,604. ELECTRICAL SYSTEM. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 8, 1923. Serial No. 623,703. 30 Claims. (Cl. 246—227.)



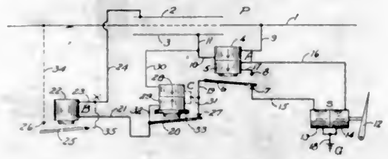
21. In a system of the class described, the combination of a track solenoid, a trolley contactor, a current collector for cooperation with the trolley contactor to energize the track sleuoid, a switch between the trolley contactor and the track solenoid, electrically operated means for normally retaining said switch closed and time limit means made effective by the flow of energizing current to the track solenoid to render said electrically operated means ineffective.

1,581,605. ELECTRICALLY-OPERATED SWITCH SYSTEM. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 5, 1923. Serial No. 672,745. 19 Claims. (Cl. 246—227.)



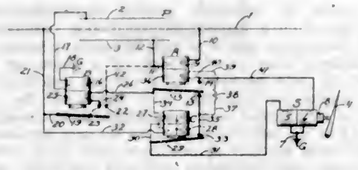
19. In an electrical switch operating system, the combination of a divided switch operating circuit leading to said switch and means operating after a predetermined time to open one branch circuit and prevent the closing of the other to render the switch inoperable.

1,581,606. ELECTRICALLY-OPERATED SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 15, 1923. Serial No. 674,870. 22 Claims. (Cl. 246—229.)



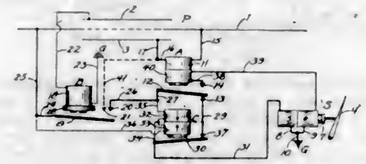
1. In a switch operating system, the combination of a contact pan and trolley wire, an electrically operated track switch, control means electrically connected to the trolley wire and pan and having other circuits leading to the pan and track switch for positioning the track switch in either of two directions when the pan is engaged by a current collector with "power on" or "power off," a normally closed switch to control the current to the track switch and interposed in one of the circuits leading to the control means, and means to open the normally closed switch to interrupt the current to the track switch after a predetermined lapse of time after the collector has engaged the pan and regardless of whether the collector continues to engage the pan or not and means operating automatically upon engagement of the current collector with the pan to insure current to the track switch for the said predetermined time.

1,581,607. ELECTRICALLY-OPERATED TRACK SWITCH. GEORGE A. MEAD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 7, 1923. Serial No. 679,099. 21 Claims. (Cl. 246—227.)



20. A switch operating system comprising an electrically operated track switch, a branched operating circuit therefor, a controlling switch for positioning said branched circuits and having an operating coil and connections to said coil, means to control the branches respectively of said branched circuit after a predetermined time.

1,581,608. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 12, 1923. Serial No. 680,150. 29 Claims. (Cl. 246—227.)

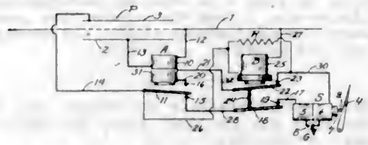


4. A switch operating system comprising in combination, a trolley pan having two contact members to be engaged by a current collector, a track switch and electrically controlled operating means therefor, a power circuit to supply current to the track switch operating means and having branch circuits leading to the operating means, a selector switch automatically connecting the power circuit to one or the other of the branch circuits to energize the track switch operating means to move the track switch in one direction or the other, elecrically controlled operating means to control the said switch, a normally open switch in the power circuit, electrically controlled means to close the normally open switch when and to remain closed while and regardless of the time the pan is engaged by a collector, and means to delay the opening of the normally open switch after the collector leaves the pan.

1,581,609. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 12, 1923. Serial No. 680,151. 13 Claims. (Cl. 246—227.)

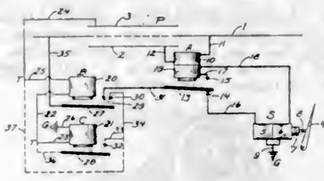
S. In a switch operating system the combination of, a trolley conductor, a pan to be engaged by a current collector, an electrically operated track switch, a branched circuit leading to the track switch, a selector switch to control the branched circuit, switches in the branches

to open and close same, an operating coil to control the switches, one coil terminal deriving current from the conductor and the other terminal having a circuit leading to the ground and opened by one of the switches



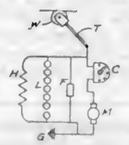
in the branch circuits when the collector engages the pan and means connected to the last said coil terminal and to the ground to cooperate with the coil to close said opened switch.

1,581,610. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 12, 1923. Serial No. 680,152 9 Claims. (Cl. 246—227.)



2. In a switch operating system, the combination of an electrically operated track switch, a switch operating circuit, a circuit changer to direct current into the track switch to automatically control its direction of operation, an electrically operated switch provided with an operating coil to control the circuit and electrically operated means provided with an operating coil in series with the other coil to shunt out the control switch.

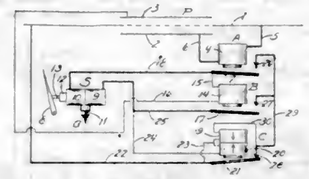
1,581,611. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 15, 1923. Serial No. 680,967. 29 Claims. (Cl. 246—228.)



2. A switch operating system comprising in combination, an electrically operated track switch, a contact pan to be engaged by a current collector, a normally open branche circuit to conduct current to the track switch to operate the track switch in the desired direction, a control switch to control the closing and opening of one of the branch circuits and provided with a closing coil operable when the system is working "power on" and a coil preventing the closing of the control switch if the system is initially working "power off."

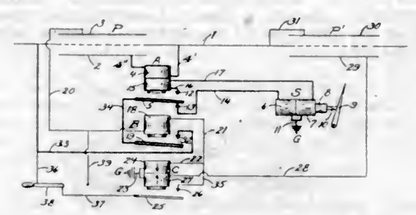
1,581,612. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 19, 1923. Serial No. 681,591. 12 Claims. (Cl. 246—227.)

12. A track switch operating system comprising in combination, a trolley conductor, means to operate the track switch electrically, a contact pan to be engaged by a current collector, a normally closed switch connected to the conductor, a branched circuit connecting the normally closed switch with the track switch operating means, an electrically operated and normally open



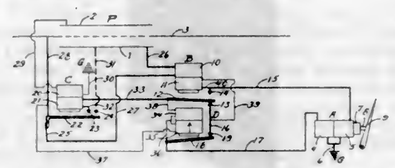
switch in each branch and arranged to control each branch circuit separately and means to open the normally closed switch after the collector has engaged the pan for a predetermined time.

1,581,613. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 20, 1923. Serial No. 681,678. 5 Claims. (Cl. 246—227.)



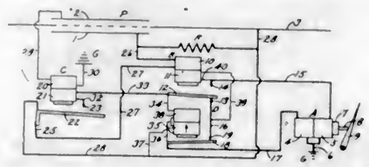
1. A switch operating system comprising in combination, an electrically operated track switch, circuits and electrically operated means therefor to operate the track switch to the position desired, a control switch for first closing and then opening one of said circuits after a predetermined time when the device is in use so that a current collector will first close said circuit and later open the same whereby the track switch is rendered operative during the time the said control switch is closed and means provided with an operating coil directly controlled by the current collector to short circuit the electrically operated means to cause said control switch to open after a predetermined time and to prevent its being closed while a cooperating car is passing over a desired distance.

1,581,614. ELECTRICALLY-OPERATED TRACK SWITCH. GEORGE A. MEAD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 3, 1924. Serial No. 684,250. 9 Claims. (Cl. 246—227.)



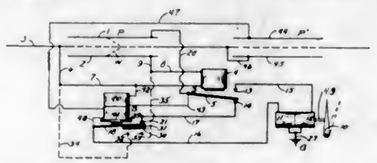
9. A switch operating system comprising an electrically operated track switch, a branched operating circuit therefor, a controlling switch for said branched circuit and having an operating coil and connections to said coil, means to open the circuit to said coil and automatically controlled means to open the branches of said branch circuit after a predetermined time.

1,581,615. ELECTRICALLY-OPERATED TRACK SWITCH. GEORGE A. MEAD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Original application filed Jan. 3, 1924, Serial No. 684,250. Divided and this application filed July 30, 1925. Serial No. 47,077. 9 Claims. (Cl. 246—227.)



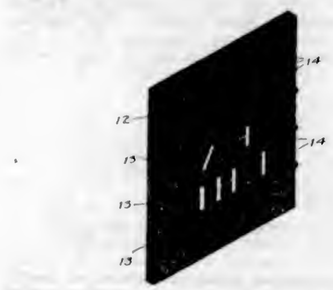
6. A switch operating system comprising in combination, an electrically operated track switch, operating circuits leading thereto, a selector switch controlling the operating circuits to direct the movement of the track switch, an operating coil for said selector switch, and a resistance across the terminals of said coil as described.

1,581,616. ELECTRICALLY-OPERATED TRACK SWITCH. SAMUEL S. STOLP, Louisville, Ky. Filed Sept. 23, 1925. Serial No. 58,036. 5 Claims. (Cl. 246—227.)



5. A track switch operating mechanism comprising means controlled by the operator of a moving vehicle to move the switch to a desired position, shunting means beyond the control of the operator to shunt the first said means to render the system inoperative either by the operator of the vehicle or the operator of a following car and means operated by the first vehicle to remove the shunt and return the system to normal after it has passed a predetermined point.

1,581,617. PROCESS FOR MAKING ENGRAVED PLATES. PRESTON STURGES, Brooklyn, N. Y. Filed Mar. 24, 1924. Serial No. 701,603. 1 Claim. (Cl. 95—5.7.)



A process for making engraved plates comprising photographing a series of master blocks having thereon the letters of the alphabet and numerals, the letters and numerals being white and the background of the blocks black, from the negatives thus produced preparing a number of prints on thin flat sensitized material, the letters and numerals on the prints being white and the background black, setting up on a black background a sufficient number of these prints to form the subject-matter for the plate to be engraved, photographing the same, transferring it from the negative thus produced to a sensitized plate of suitable material, and treating the plate with acid to etch it.

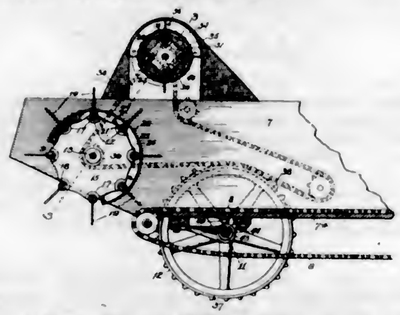
1,581,618. PAPER. NATHAN SULZBERGER, New York, N. Y. Filed Apr. 30, 1921. Serial No. 465,700. 5 Claims. (Cl. 92—3.)

3. Asbestos paper containing colloidal aluminum silicate and an oxidizing agent.

1,581,619. ASBESTOS PAPER, ETC. NATHAN SULZBERGER, New York, N. Y. Filed Aug. 18, 1921. Serial No. 493,421. 5 Claims. (Cl. 92—21.)

1. Tissue-like flexible paper made of asbestos substantially free from organic matter and containing an inorganic colloid.

1,581,620. MANURE SPREADER. HENRY SYNCK, Coldwater, Ohio, assignor, by mesne assignments, to The New Idea Spreader Company, Coldwater, Ohio, a Corporation of Ohio. Filed June 9, 1919. Serial No. 302,654. 2 Claims. (Cl. 275—3.)



1. In a fertilizer distributer, the combination of a receptacle for the fertilizer, a cylinder comprising tooth-carrying bars, and a metallic band fixedly secured on the inside of the receptacle and provided with a member between the ends of the bars and the receptacle sides disposed to prevent the bars from engaging said sides and a flange extending inwardly to longitudinally lap the outer faces of the bars.

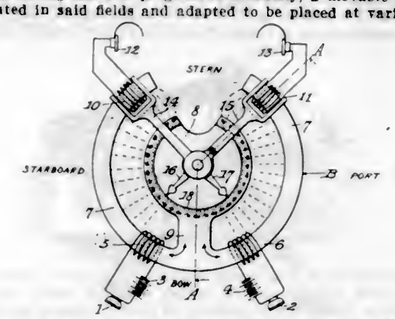
1,581,621. PRODUCTION OF AMIDE ACID SULPHATES FROM NITRILES. RALF B. TRUSLER, Pittsburgh, Pa., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed July 22, 1925. Serial No. 45,384. 13 Claims. (Cl. 260—124.)

1. The addition product of a nitrile and sulphuric acid monohydrate.

1,581,622. APPARATUS FOR FINDING DIRECTION. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal & Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 12, 1922. Serial No. 552,024. 21 Claims. (Cl. 177—386.)

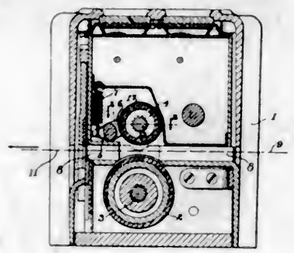
1. Apparatus for determining the direction and distance of sources of vibratory energy comprising, electrical receiving devices located at spaced points and adapted to produce variable electrical currents in accordance with the intensity of the received waves, coils connected therewith for producing magnetic fields whose intensities vary in proportion to said currents, spaced cores of magnetic material therein adapted to form air

gaps having fields of progressive intensity, a movable coil located in said fields and adapted to be placed at various



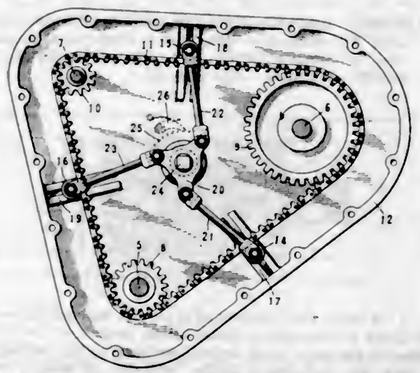
points therein where the intensities thereof are equal and means for comparing the strengths of the currents in said movable coil at said points in said field.

1,581,623. PRESSER ROLLER. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Sept. 20, 1920. Serial No. 411,501. 3 Claims. (Cl. 33—133.)



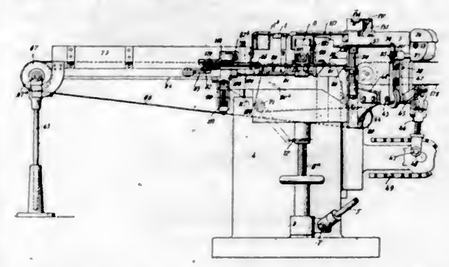
1. In a fabric measuring machine, the combination of a measuring roller, and a presser roller for pressing the fabric against the face of the measuring roller, consisting of a plurality of independently rotatable sections of equal diameter and supported to rotate on a common axis.

1,581,624. SYNCHRONIZED REGULATOR. PAUL WUNDERLICH, Tarrytown, and LAWRENCE D. CHELLIS, New York, N. Y. Filed Mar. 18, 1925. Serial No. 16,316. 6 Claims. (Cl. 64—5.)



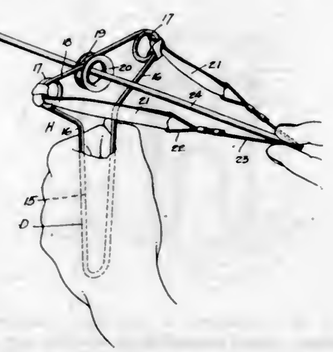
1. A motor drive combination comprising, a main power shaft, a valve cam shaft, sprockets on said shafts, a drive chain connecting said sprockets, an idle roller engaging said chain on both sides of said valve cam shaft sprocket midway of the contacting reach of the chain and means for simultaneously and proportionately adjusting said rollers.

1,581,625. CAN-HEADING MACHINE. CHARLES J. AULBACH, Passaic, N. J., assignor to Passaic Metal Ware Company, Passaic, N. J., a Corporation of New Jersey. Filed May 17, 1924. Serial No. 714,014. 7 Claims. (Cl. 113—27.)



1. The combination of seaming mechanism, a rotative turret provided with receivers for can bodies and having means to support can ends over the bodies, and means to feed said bodies to said receivers, with means for feeding can ends to said supporting means, comprising means to guide ends successively, a feeder provided with means to push said ends, and means to operate said feeder step-by-step in consonance with the operation of the seaming mechanism.

1,581,626. CATAPULT. WILLIAM L. BARTH, Venice, Calif. Filed May 13, 1925. Serial No. 30,035. 7 Claims. (Cl. 124—2.)

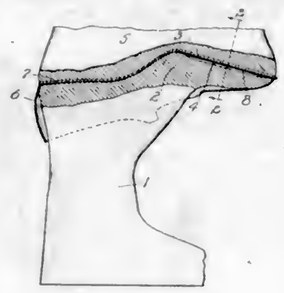


1. A catapult comprising a supporting frame constructed of a single length wire bent to provide a head and a handle depending therefrom, the head being formed with a pair of end rings and a centrally disposed ring extending in horizontal alinement with the other of said rings, and impelling members secured to the first two rings at their ends and connected to each other at the other end, the central ring being adapted to slidably receive a projectile for the purpose described.

1,581,627. LAST FOR USE IN FORMING AND LEVELING SOLES. JOHN C. BOYD, St. Louis, Mo. Filed May 5, 1924. Serial No. 710,995. 3 Claims. (Cl. 12—133.)

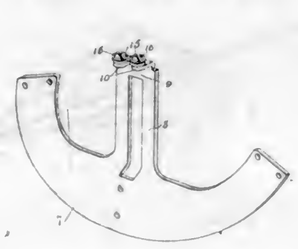
1. A last for use in leveling and shaping the soles of shoes, having its outer surface or thread provided with a flat marginal portion in the toe and ball portion of the

last only, and a shallow depression surrounded by said flat portion, the wall of which depression being gradually inclined downwardly in all directions from the inner boundary of said marginal portion, the entire work



ing surface of the tread of said toe and ball portion of the last being smooth and devoid of an abrupt edge or shoulder, and the instep and heel portion of said last providing a convexly curved surface.

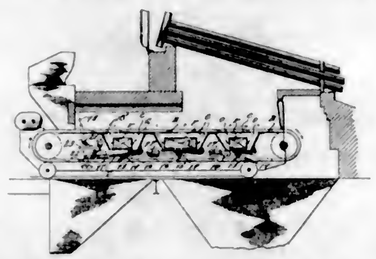
1,581,628. TYPE-BAR GUIDE FOR TYPEWRITERS. RUDOLPH F. BRANDT, Dayton, Ohio, assignor to Dayton Portable Typewriter Company Incorporated, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 4, 1924. Serial No. 690,365. 2 Claims. (Cl. 197—43.)



1. In a typewriter, a type guide comprising in combination, a plate adapted to be attached to a segment supporting the type bar, said plate having upwardly extending spaced arms integral therewith, a pair of spaced fingers carried on the end of the arms, said fingers being bendable toward and from each other for adjustment purposes, and rollers mounted on said fingers adapted to rotate whereby the ends of the type bars when arriving in the vicinity of said rollers between the centers thereof will be guided to a predetermined location irrespective of the point of pivoting of the type bar and the rollers may be adjusted to bring the type bars to any desired adjustments.

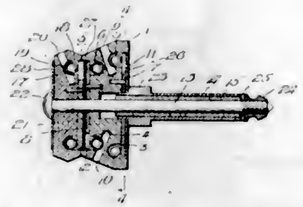
1,581,629. CHAIN GRATE. RENÉ BRENOT, Paris, France, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Mar. 21, 1921. Serial No. 453,869. 1 Claim. (Cl. 110—40.)

In combination, a chain grate stoker, a plurality of compartments between the upper and lower runs of the grate and extending substantially across the entire grate, means for supplying air to said compartments, said compartments being provided with downwardly movable valves



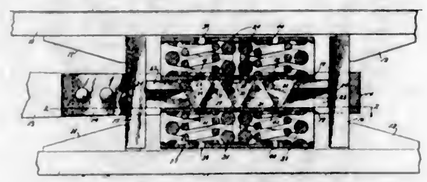
covering substantially the entire bottoms of said compartments for the discharge of dust and the like, and means for operating said valves.

1,581,630. DEVICE FOR CONNECTING TOGETHER TELEPHONE RECEIVERS IN SERIES OR IN PARALLEL. FREDERICK G. BROCKETT and CLIFTON C. WRIGHT, Chicago, Ill.; said Brockett assignor to said Wright. Filed June 8, 1922. Serial No. 566,693. 7 Claims. (Cl. 173—334.)



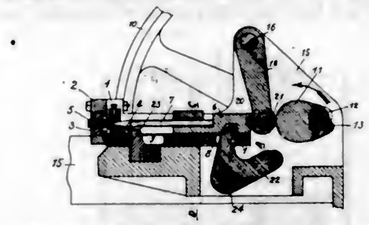
3. A device of the character described, comprising a block of insulating material provided with three annular grooves spaced apart from each other lengthwise of the block, a resilient ring lying in each of said grooves, said block having in the sides thereof three sets of holes adapted to receive detachable contact pieces, each set of holes being so disposed that the contact pieces therein engage with one of said rings, and terminals connected to two of said rings.

1,581,631. DRAFT GEAR. WALTER H. COTTON, Chicago, Ill., assignor to Union Draft Gear Co., a Corporation of Illinois. Filed May 25, 1925. Serial No. 32,592. 9 Claims. (Cl. 213—38.)



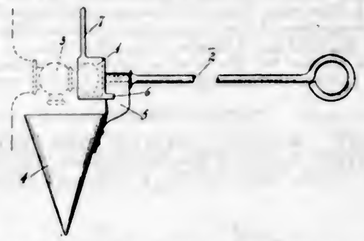
1. A draft gear comprising a pair of opposed followers, a group of cooperating wedge blocks located on the center line of the gear, their mutual wedging action tending to force the individual blocks laterally outward, wedge means interposed between each follower and the adjacent end block of the group, and spring means for resisting the wedge action.

1,581,632. HOT-NUT PRESS. ALFRED DE FRIES, Cassel, Germany. Filed June 6, 1924. Serial No. 718,350. 1 Claim. (Cl. 10—78.)



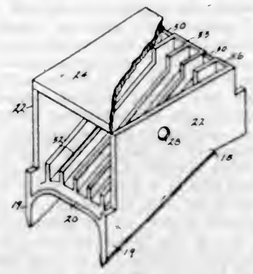
A hot nut press including a frame, tool slides mounted on the frame, a punch carried by one of said slides, a piercing element carried by another of said slides, a shaft journalled in the frame in line with the slides, cams on the shaft, a bearing mounted on said frame, intermediate elements movably mounted on said bearing, each having a portion extending between the slides and said cams and operable under influence of the cams to obtain a direct action from the cams through the intermediate elements to the slides in a line substantially parallel to the slides.

1,581,633. COMBINATION KEY, PET-COCK CLEANER, AND OIL CONTAINER FOR AUTOMOBILES. FRANCIS D. GOETTER, Oakland, Calif. Filed May 21, 1924. Serial No. 714,884. 1 Claim. (Cl. 137—139.)



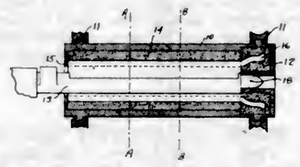
A drain cock and oil retainer comprising in combination a rod, a socket on the end of the rod, a bracket journaled on the end of the rod, a cup secured to the bracket, a lug on the rear part of the socket to engage the bracket to dump the cup and a finger projecting upward from the socket to form a cleanout.

1,581,634. AIR-COOLED DEFLECTING PLATE. DALLAS F. GRAHAME, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1924. Serial No. 709,054. 2 Claims. (Cl. 110—44.)



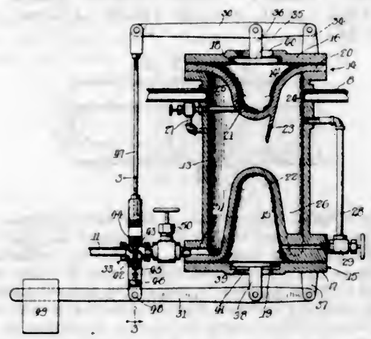
1. A unitary device for use in an underfeed stoker as a gas deflecting and cooling wall defining a portion of the throat through which fuel is fed into the furnace, comprising an upwardly inclined concave wall which forms a substantial portion of the exposed area of said throat and the bottom of an air chamber, parallel side plates integrally connected with said wall and forming therewith the side walls of the air chamber, said plates having substantially horizontal tops arranged to support a furnace wall thereon, and ribs on the bottom wall of the air chamber to aid in transferring heat from the concave wall of the throat to the air above.

1,581,635. ROTARY CASTING METHOD AND APPARATUS. AUGUSTUS M. HENRY, Brooklyn, N. Y., and CHARLES HORTON, Ridgefield Park, N. J., assignors to William W. Weitling, trustee, College Point, N. Y. Filed July 22, 1924. Serial No. 727,419. 12 Claims. (Cl. 22—65.)



1. In the art of rotary casting, the method of casting metals which involves utilizing centrifugal force to form a mold lining bounded by a surface forming at least part of the molding cavity, such subdivision being impermanent except during rotation of the mold.

1,581,636. AUTOMATIC VALVE-OPERATING MEANS FOR REFRIGERATION SYSTEMS. GEORGE HILGER, Chicago, Ill. Filed July 26, 1924. Serial No. 728,338. 28 Claims. (Cl. 183—39.)

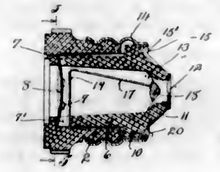


1. A trap for removing foreign matter from a gaseous system comprising, in combination, a casing having an inlet for gaseous mixture and outlets for gas and foreign matter, a valve controlling the outlet for foreign matter, means for separating said gas and foreign matter within said casing, said casing being adapted to collect the foreign matter, and an element exposed to the foreign matter collecting in said casing and responsive to the temperature thereof for controlling said valve.

1,581,637. FUSE PLUG. OSCAR H. JUNO, Milwaukee, Wis. Filed May 14, 1925. Serial No. 30,236. 4 Claims. (Cl. 200—130.)

1. A fuse plug comprising a body having a rearwardly extending cylindrical portion provided with mutilated threads on its outer side, a thimble having a cylindrical portion positioned with said body portion and spaced therefrom, a center electrical contact carried by said

thimble, a threaded metal ferrule screwed upon the mutilated threads of said body portion, and holding said thimble in place, said thimble having notches at the end of its cylindrical portion, and a fusible element extending from said center electrical contact, through

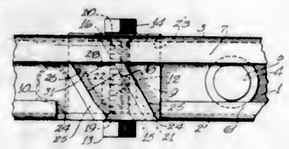


said thimble, and between said thimble and body portion to said metal ferrule, whereby the gases incident to the blowing of the fuse will follow a tortuous passage between said body and thimble and between said mutilated threads and ferrule.

1,581,638. BLACK VAT DYESTUFF COMPOSITION. RICHARD JUST, Ludwigshafen-on-the-Rhine, KARL WILKE, Hochst-on-the-Main, and PAUL NAWIASKY, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Jan. 26, 1925. Serial No. 4,956. 1 Claim. (Cl. 8—6.)

As a new composition of matter a black vat dyestuff comprising dibenzanthrone and nitro-dibenzanthrone in a proportion proper to directly produce from a vat, black dyeings on cotton.

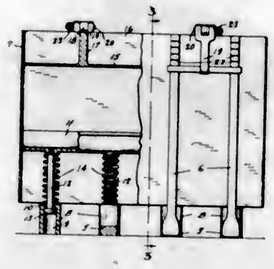
1,581,639. WHEEL. SAMUEL KAPLAN, Monroe, La. Filed Dec. 1, 1924. Serial No. 753,282. 2 Claims. (Cl. 301—14.)



1. In a wheel construction, a felly having recesses at right angles to one side at its periphery and inclined surfaces adjacent thereto, a rim having projections adapted to freely enter said recesses and provided with inclined surfaces adapted to engage the inclined surfaces on the felly, an inclined member mounted in the felly and adapted to be engaged by another projection on the rim when the rim is swung against the felly to carry the first named projections into said recesses, the engagement of said last named projection with the inclined member on the felly after the first named projections have entered their recesses causing the rim to turn an initial distance on the felly, and means to move said inclined member transversely of the face of the felly to cause further turning of the rim on the felly and operative engagement of the first mentioned projections with the adjacent inclined surfaces on the felly to force the rim into final position on the felly.

1,581,640. MEAT MOLD. JOSEPH KIPPER, Seattle, Wash. Filed May 24, 1923. Serial No. 641,115. 2 Claims. (Cl. 100—57.)

1. A meat mold embodying spaced apart U-shaped frame members, a centrally arranged tubular boss projecting upwardly from the base of each of said frame members, a rectangular meat receptacle mounted in said frame members, a concave bottom movably disposed in said meat receptacle, bolts secured to said bottom and guided for vertical movement in said bosses, compression springs on said bolts for urging said concave bottom up-

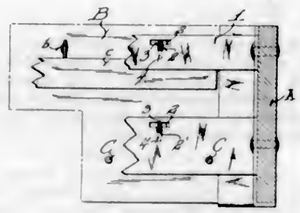


wardly, a press member arranged to be inserted into the top of said meat receptacle and readily releasable means operative on the exterior of said meat receptacle for holding said press member in said meat receptacle.

1,581,641. OXIDATION OF ETHYL ALCOHOL TO ACETALDEHYDE. ERICH KRAUSE, Constance, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed June 4, 1924. Serial No. 717,893. 6 Claims. (Cl. 260—138.)

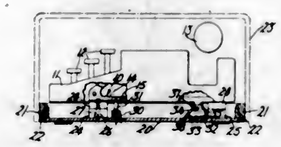
5. A process for producing acetaldehyde which comprises passing ethyl alcohol and air over a silver catalyst.

1,581,642. METALLIC GRATING FOR BOTTLE CRATES. WILLIAM C. KRAUSE, Milwaukee, Wis. Filed Jan. 2, 1925. Serial No. 158. 1 Claim. (Cl. 217—22.)



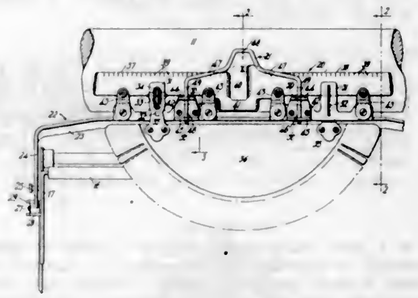
A crate having side walls, a series of female bars positioned edgewise with relation to the side walls and provided with T-shaped slots with the crossed portion of the slot relatively long and the laterally extending portion relatively short and of rectangular contour, means for securing the female bars to the side walls, a series of thin flat male bars having notched portions therein leaving a connecting web at the notched portion of rectangular contour adapted to fit the laterally extending rectangular portions of the slots in the female bars, the said male bars being adapted to be threaded through the slots of the female bars in a flatwise position and turned about their longitudinal axis to position the connecting web at their notches within the rectangular transverse portions of the slots in the female member, the width of the web at each notch holding the web portions in intimate engagement with the transverse portion of the slot to provide a bearing on opposite sides of the web portion throughout a material distance, and means for securing the end walls to the side walls and to the male members.

1,581,643. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 19, 1922. Serial No. 569,422. 2 Claims. (Cl. 45—52.)



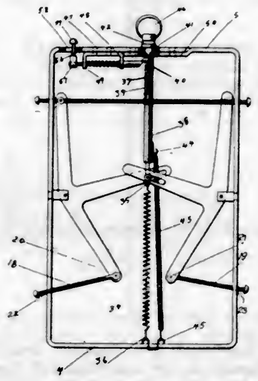
1. The combination of a typewriting machine, a frame therefor having side flanges, compressed resilient feet for the machine, pins in said side flanges, a detachable baseplate on which the feet are placed and under compression between the machine and base-plate, hooks on said base-plate and hooked on said pins and in tight engagement therewith, said tight engagement between the pins and hooks retaining said compression of the feet, and said compression maintaining said tight engagement between the pins and hooks and therefore preserving the tight engagement between the machine and base-plate, and means for anchoring the machine to the base-plate in the above-stated tight engagement condition between the pins and hooks and machine and base-plate.

1,581,644. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 5, 1924. Serial No. 696,923. 5 Claims. (Cl. 197—135.)



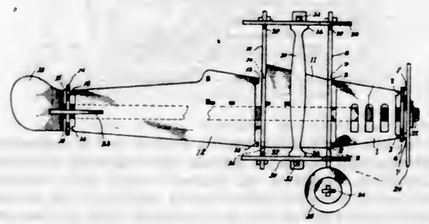
1. In a typewriting machine, the combination of a platen, a carriage for supporting the same, a wing-scale frame in front of the platen, and means for holding a card to the platen, said means comprising a scale connected to said frame, vertical flanges on said frame, runways in said flanges, bearing rolls to fit said runways, thereby securing the frame against lateral displacement, combined with means for pressing said rolls against said vertical flanges, horizontal flanges secured to said frame in pairs, one above the other with spaces therebetween, sockets in said horizontal flanges, and a card-guide having legs extending each into a pair of said sockets, thereby being secured to said frame.

1,581,645. PURSE RETAINER. FRANK LAPORTE, Oakland, Calif., assignor of one-half to Max Jeffries, Oakland, Calif. Filed Nov. 28, 1924. Serial No. 752,692. 19 Claims. (Cl. 150—47.)



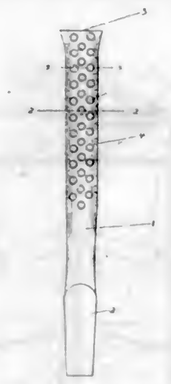
3. A purse retainer comprising in combination a purse, a plurality of pairs of locking bolts slidable in substantially a rectilinear line in and out of the purse and a spring actuated mechanism in the purse to thrust the bolts outward.

1,581,646. STRUCTURAL TOY. CARL CHRISTIAN LARSEN, Walkerton, Ontario, Canada. Filed Apr. 14, 1924. Serial No. 706,456. 2 Claims. (Cl. 244—12.)



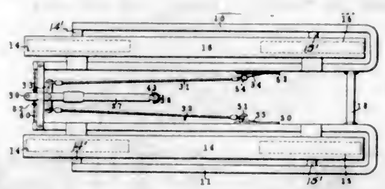
1. In a toy aeroplane, a body having a series of aligned sections, each composed of flat members, projections extending from the frontal and rear edges thereof, apertured transverse members positioned at the head and tail of the body and between the adjacent ends of said sections so as to receive the respective projections of the said flat members, a bar extending lengthwise of the body with its extremities entering further apertures provided in the transverse members located at the head and tail of the body, a rudder integral with the said bar forming a shoulder to the rear of the tail-end transverse member, and a wedge-pin positioned in an aperture provided in the portion of the bar protruding from the transverse member at the head-end of the body so as to cooperate with the rudder in locking the component parts of the body in their assembled positions.

1,581,647. HAMMER HANDLE. WILLIAM D. LAYTON, Sebastopol, Calif. Filed Dec. 10, 1924. Serial No. 754,959. 2 Claims. (Cl. 145—61.)



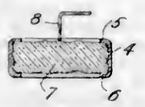
1. A tool handle of the character described having depressions formed in the operating end thereof flaring and merging into the surface of the handle so as to allow a gently rising knoll of tissue of a gripping hand to project thereinto with central recesses formed in the depressions allowing the top of each knoll to remain clear of the material of the handle.

1,581,648. TRACTOR. THOMAS C. LEAKE, New York, N. Y., assignor to Bear Tractor Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,638. 17 Claims. (Cl. 280—33.44.)



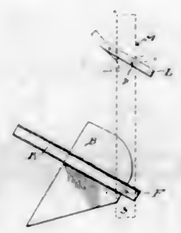
1. The combination with a tractor having rearwardly pivoted side frames at opposite sides thereof, of a draft element anchored to the tractor, tension draft members connected to said draft element and said side frames, said draft element having a yielding member connected thereto for maintaining said tension members constantly under tension.

1,581,649. DOUBLE-FACED RADIO DETECTOR ELEMENT. ALBERT LOPPACKER, Bloomfield, N. J., assignor of one-half to himself and one-half to Frank J. Kent, New York, N. Y. Filed Feb. 6, 1922. Serial No. 534,431. 5 Claims. (Cl. 250—31.)



3. A detector element comprising a supporting body of fusible metal having opposite faces provided with exposed rectifying surfaces.

1,581,650. HOISTING-SKIP. CHARLES E. MCCARTNEY, Red Bluff, Calif. Filed Sept. 26, 1923. Serial No. 664,841. 1 Claim. (Cl. 214—120.)



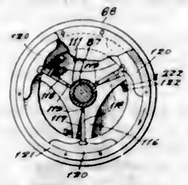
In a structure of the character described the combination with side frame members constituting a vertical track, of a rectangular open hoisting frame slidably mounted thereon, a bucket having an inclined front wall and having its center of gravity so disposed as to cause it to tip forwardly when released, a pair of vertical bars secured to the sides of said bucket, said bars and bucket being trunnioned in the rectangular frame, a transverse element extending between said bars above the bucket, a rectangular yoke secured to and carried by the hoisting frame and comprising side members pivoted to said hoisting frame and transverse members extending across said hoisting frame, latches carried by the said side members and adapted to engage the transverse member that extends between said bars and a stop member extending between the frame members of the vertical track and adapted to engage said yoke and rock the same to release the transverse element from said latches.

1,581,651. HEAT EXCHANGER. JOHN MCGREGOR and FRANK C. SEEHUSEN, New York, N. Y., assignors to The Foundation Company, a Corporation of New York. Filed July 30, 1921. Serial No. 488,527. 3 Claims. (Cl. 257—256.)

2. A floor construction including a series of tanks arranged in separate rows alongside one another, the tanks in each row being separate metallic units communicating with and detachably secured to one another and containing a non-circulating heat absorption medium, circulating pipes immersed in the absorption medium in each row of tanks, means for supplying a temperature controlling fluid to said circulating pipes, air vents and drains for each row of tanks and wear-resisting material for covering the top of said tanks adapted to form a substantially smooth floor surface.

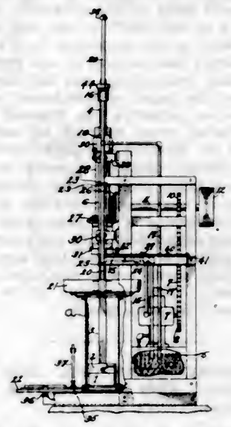
1,581,652. CLUTCH. GEORGE CUSHING MARTIN, Los Angeles, Calif. Original application filed Aug. 5, 1916, Serial No. 113,360. Divided and this application filed Apr. 13, 1922. Serial No. 552,387. 2 Claims. (Cl. 192—74.)

1. The clutch comprising a central member having outwardly tapered recesses; shoes external to said recesses; a ring external to said shoes and adapted to be engaged thereby; toggles normally inclined in said recesses; and means to move said toggles to force the



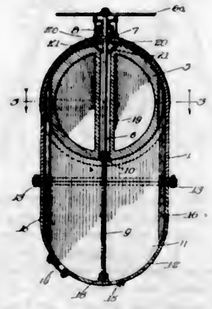
shoes against the ring so that relative rotation of ring and central member will sway the toggles from inclined toward radial positions and vice versa.

1,581,653. HYDRAULIC CONCRETE-PIPE MACHINE. GEORGE CUSHING MARTIN and CHARLES M. CRONKHITE, Los Angeles, Calif. Filed Oct. 11, 1923. Serial No. 668,022. 20 Claims. (Cl. 25—36.)



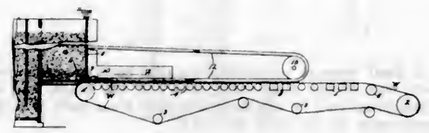
1. A pipe machine having a packer shaft and a hydraulic current applicable as lifting means for raising the packer shaft, and also operable at high speed to return the shaft to neutral position.

1,581,654. GATE VALVE. MARTIN I. MIX, Chicago, Ill. Filed June 8, 1925. Serial No. 35,521. 2 Claims. (Cl. 251—62.)



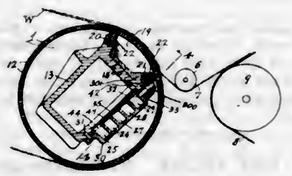
1. A gate valve having, in combination, a casing with a channel therethrough, a seat surrounding said channel, a valve member operable to engage said seat to close said channel, said casing having a recess on one side of said channel into which said valve member may be completely withdrawn from the channel, a valve stem adapted to operate said valve member, said valve stem being supported in said casing at a point opposite said recess for rotational movement and means to lubricate said stem comprising a reservoir formed in said valve member and surrounding said stem and a duct formed in said casing adapted to connect with said reservoir.

1,581,655. PAPER-MAKING MACHINE. FRANK W. MONAGHAN, Watertown, N. Y., assignor to The Bagley and Sewall Company, a Corporation of New York. Filed Jan. 14, 1921. Serial No. 437,150. 7 Claims. (Cl. 92—44.)



1. In a Fourdrinier paper making machine, the combination of a breast roll and a making wire passing around the roll, a slice over the wire, means for delivering the water and stock past the slice under pressure, and a resistance surface below the slice and extending forwardly over the roll and wire on to which the water and stock flow and form a pool or reservoir after the slice from which the wire takes the water and stock to form the web.

1,581,656. PAPER-MAKING MACHINE. FRANK W. MONAGHAN, Watertown, N. Y., assignor to The Bagley and Sewall Company, a Corporation of New York. Filed Jan. 20, 1921. Serial No. 438,602. 13 Claims. (Cl. 92—47.)

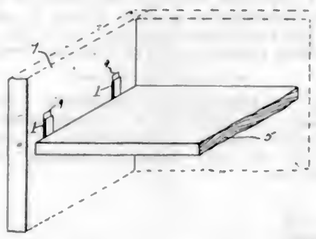


1. In a paper making machine, the combination with a couch roll and the wire, of means for producing a fluid pressure under the web throughout its width to remove the web from the wire and to yieldingly support it, means for controlling the fluid pressure at various points throughout the width of the web, and web taking devices for drawing away the web thus suppported.

1,581,657. ABRASIVE ARTICLE. FRANCIS GURNEY OKIE, St. Paul, Minn., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Original application filed Mar. 4, 1922, Serial No. 541,248. Divided and this application filed Dec. 29, 1923. Serial No. 683,522. 30 Claims. (Cl. 51—279.)

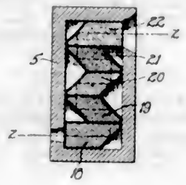
1. The new article of manufacture in the nature of sandpaper comprising a flexible sheet of fabric, a grit or layer of abrasive particles, a waterproof stable penetrative adhesive bond interposed between said grit and said sheet, and a compensatory auxiliary bonding coat applied to the article, said bond and auxiliary coat being of a nature to maintain the bonding effect throughout the effective abrading life of the abrasive article when employed in a water abrading operation and not deleteriously affecting the flexibility of said sheet when dry.

1,581,658. SHELF SUPPORT. HORACE L. OWENS, Philadelphia, Pa. Filed Apr. 5, 1924. Serial No. 704,305. 1 Claim. (Cl. 248—18.)



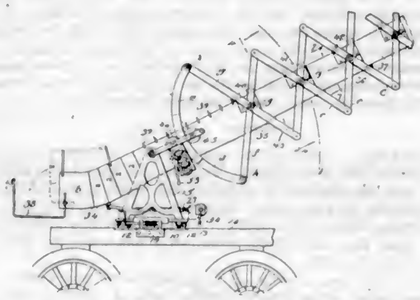
A shelf support comprising parallel body portions the lower end of one terminating short of the other, and a prong projecting in the same direction from each of said lower ends of the body portions.

1,581,659. ANAMORPHOUS TOTAL-REFLECTING PRISM. HARRY F. ROACH, St. Louis, Mo. Filed June 27, 1924. Serial No. 722,744. 6 Claims. (Cl. 88—1.)



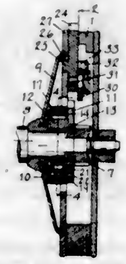
3. An optical instrument, comprising a plurality of pairs of curved reflecting surfaces, having such angular disposition of their axes and length of radii as to maintain a constant subtended angle of any two parallel symmetrical rays of origin successively reflected by the surfaces.

1,581,660. FIRE ESCAPE. MARIUS ROSGAARD, Brooklyn, N. Y. Filed Sept. 30, 1921. Serial No. 504,419. 4 Claims. (Cl. 227—7.)



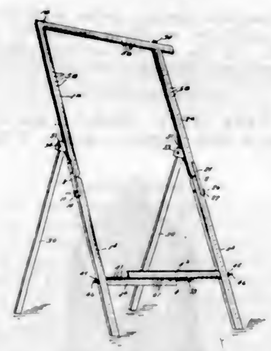
1. In a fire-escape apparatus, the combination of a wagon body, a turntable upon said body, upright brackets on said turntable, extensible chute members mounted on said brackets, adjusting means connecting said chute and turntable for varying the inclination of the chute and lazy-tong members for extending and retracting said chute members.

1,581,661. FISHING REEL. SAMUEL G. RUSSELL and EARLE T. CLICKNER, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich. Filed Nov. 21, 1924. Serial No. 751,304. 8 Claims. (Cl. 242—84.5.)



1. In a fishing reel, the combination of a frame, a spool shaft, a spool on said shaft, a brake drum mounted at one end of said spool to face outwardly, a ratchet rotatably mounted on said shaft at the side of said drum and provided with a hub projecting into said drum, a curved spring brake shoe secured at one end to said hub to coact with said brake drum, said hub having a recess therein adjacent the point of attachment of the brake member thereto, an adjusting pin disposed in said hub recess, an adjusting screw disposed on said ratchet to coact with said pin whereby said brake shoe may be adjusted, a pawl carrier pivotally mounted on said frame and adapted as a finger piece, a pawl pivotally mounted on said carrier in an eccentric relation to the carrier pivot whereby the rocking of the pawl carrier swings the pawl to and from engagement with the ratchet, a spring for said pawl, said pawl being provided with a stop arm coacting with said pawl carrier for limiting the movement of the pawl under the action of its said spring, and driving means for said spool.

1,581,662. CURTAIN STRETCHER. JOHN C. SANGERS, Cleveland, Ohio. Filed June 24, 1922. Serial No. 570,674. 4 Claims. (Cl. 45—24.)

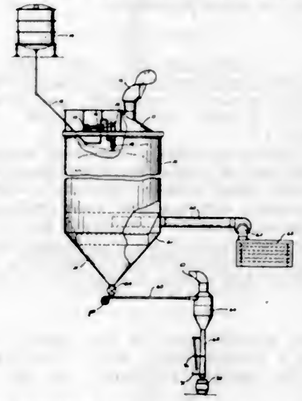


2. In a curtain stretcher, the combination of a pair of longitudinal frame members comprising hinged sections, adapted to be folded one upon the other, lateral frame members adapted to be adjustably connected with said longitudinal frame members, one of said lateral frame members comprising two relatively movable sections and a pin and slot connection between said relatively movable sections, means for adjusting the relative position of said two sections, one end of each section being beveled and having a clamping plate secured thereto having an overturned flange and thumb screws threaded therethrough for clamping said sections to said longitudinal frame members, and a complementary bevel on said longitudinal frame members, whereby said sections may be rigidly secured in place.

1,581,663. PROCESS FOR THE MANUFACTURE OF SUGAR. HERMAN SCHREIBER, Lansing, Mich. Filed May 23, 1925. Serial No. 32,484. 5 Claims. (Cl. 127—35.)

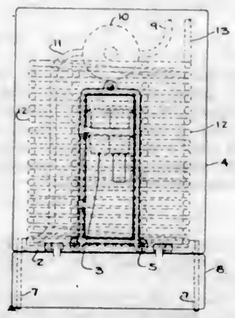
1. In the manufacture of sugar from beets, the treatment of the diffusion juice with pepsin in the presence of acid reactive with pepsin until reaction has occurred, then adding milk of lime to the treated juice, then carbonating with carbon dioxide gas until the alkalinity is reduced to such point as to obtain a break, then filtering, and continuing the treatment of the filtered juice in the usual way.

1,581,664. APPARATUS FOR SHREDDING AND DRYING SOAP. JULIUS A. SCHWANTES, Milwaukee, Wis., assignor to The Palmolive Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 17, 1924. Serial No. 750,506. 15 Claims. (Cl. 83—91.)



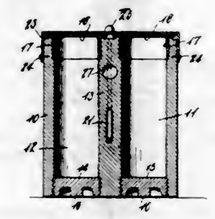
1. A soap shredding and drying apparatus, compriaing a main tank, a soap supply tank, means for conveying soap from said supply tank to the main tank, a mechanical shredding member within the main tank and connected to said conveying means, and means for discharging soap shreds from said main tank.

1,581,665. REFRIGERATING UNIT. LEWIS L. SCOTT, St. Louis, Mo. Filed June 8, 1922. Serial No. 566,803. 8 Claims. (Cl. 62—95.)



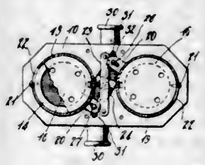
1. In a refrigerating system, a hollow metal casting affording a cooling chamber the walls whereof present a thick mass and afford the sole medium for storing cold, said casting having an opening for the entrance into said cooling chamber of articles to be refrigerated, and an expansion coil formed around three sides of said casting and adapted to absorb heat directly therefrom.

1,581,666. COMBINATION SALT AND PEPPER SHAKER. HERBERT BALDWIN, Mountain, Wis.; Florence Baldwin executrix of said Herbert Baldwin, deceased. Filed Dec. 6, 1922. Serial No. 605,226. 1 Claim. (Cl. 65—45.)



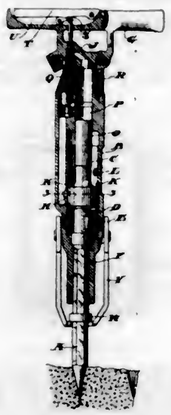
A condiment holder comprising a casing having a transverse partition dividing the same into separate compartments, said partition being hollowed vertically of its opposite ends and transversely of its bottom to provide a U-shaped slot, U-shaped spring engaged in the said slot with its arms extended above the partition and adapted for movement in a direction laterally of the inner walls of the respective compartments, a cover having perforated portions arranged over the respective compartments and presenting raised guide-channels engaged over the extended ends of the said spring, rotary shutters seated in the upper ends of the respective compartments and below the perforated portions of the said cover, said shutters being connected to the arms of the said spring for actuation thereby, and push buttons slidably engaged in openings communicating with the U-slot through opposite ends of the said partition, said bush buttons having their inner ends operatively connected with the respective arms of the said U-shaped spring.

1,581,667. COMBINATION SALT AND PEPPER SHAKER. HERBERT BALDWIN, Mountain, Wis.; Florence Baldwin executrix of said Herbert Baldwin, deceased. Filed Dec. 6, 1922. Serial No. 605,227. 1 Claim. (Cl. 65—45.)



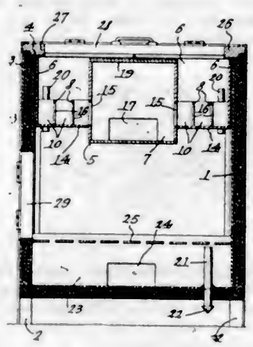
A condiment holder comprising a casing having a partition dividing the same into separate compartments, said partition being formed with an open pocket extending diagonally between the respective compartments, each side of the pocket extending in an outward curve between opposite terminals of the pocket to provide guide surfaces, a fixed perforated plate arranged over the respective compartments, a perforated rotary cap arranged over each perforated plate, a U-shaped spring seated in the said pocket with its upper terminals operatively engaged with the said rotary caps, the arms of the said spring being positioned for movement along opposite guide surfaces of the pocket, and push buttons on opposite sides of the casing and extending through openings communicating with opposite ends of the pocket for engagement with the respective arms of the spring.

1,581,668. ROCK DRILL. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 9, 1924. Serial No. 742,615. 2 Claims. (Cl. 121—11.)



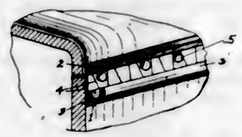
1. A rock drill comprising a cylinder having inlet and exhaust ports, an anvil block normally adapted to extend a substantial distance into said cylinder, a hammer piston in the cylinder for delivering blows to the anvil block and adapted to close the inlet port when the anvil block is moved forwardly from its normal position, said cylinder being provided with grooves to bypass leakage air from the front end of the cylinder to atmosphere when the inlet port is closed by the piston in order to prevent the piston from rebounding upon the completion of its forward stroke due to an air cushion built up in the forward end of the cylinder.

1,581,669. ICE-COLD ICE BOX. WESLEY EMIL BOHN, Corsicana, Tex. Filed Nov. 2, 1925. Serial No. 66,337. 1 Claim. (Cl. 62—34.)



In a device of the class described, a body, a tray in the body, an ice container in the tray, longitudinal partitions in the tray at the sides of the container, transverse partitions in the tray at the ends of the container, the partitions defining side compartments and end compartments, the bottoms of the side and end compartments being disposed at different elevations, and the container having openings communicating with the compartments.

1,581,670. MOLDING FOR AUTOMOBILE TOPS. JOEL D. BOLENDER and EDGAR R. CREAMER, Connersville, Ind., assignors to The George R. Carter Company, Connersville, Ind., a Corporation of Indiana. Filed Feb. 11, 1924. Serial No. 691,914. 1 Claim. (Cl. 296—137.)

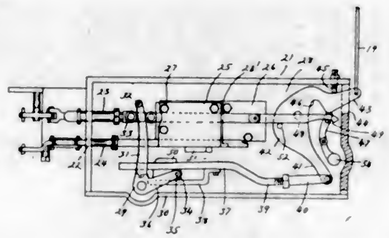


A molding of the character described, comprising a strip of flexible material, a folding bead of flexible material encased by the upper longitudinal portion of said strip to fold down upon the central portion thereof and conceal fastening devices, a flexible gutter or trough encased by the lower longitudinal portion of said strip and projecting outwardly beyond the said bead with its rear wall lying directly below the lower edge of the bead when the latter is folded.

1,581,671. PRODUCTION OF PULP AND OTHER PRODUCTS FROM WOOD. LINN BRADLEY, Montclair, N. J., and EDWARD P. MCKEEFE, New York, N. Y. Filed Nov. 3, 1921. Serial No. 512,633. 8 Claims. (Cl. 92—11.)

1. The method of treating wood which comprises subjecting the wood to a preliminary treatment with a hot aqueous acid liquor to break down and convert a part of the normally water-insoluble wood constituents into fermentable sugars without cooking the wood or injuring the pulping properties of the wood, separating the fermentable sugars, and subsequently subjecting the wood to a chemical pulp-making operation.

1,581,672. SAFETY DEVICE FOR PUNCH PRESSES. WILLIS A. BROWER, Adrian, Mich. Filed Aug. 7, 1923. Serial No. 656,228. 16 Claims. (Cl. 192—131.)

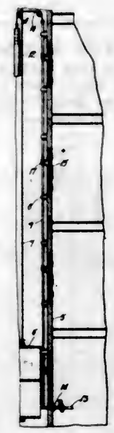


15. The combination with an operating member, of a machine, of a safety device for controlling the operation of said member comprising a control member for moving the operating member, said control member being being provided with a pair of complementary clutch elements normally disengaged and a second control rod for engaging said clutch elements.

1,581,673. DOORLOCK. LOUIS BROWN, Brooklyn, N. Y. Filed Nov. 20, 1924. Serial No. 751,056. 2 Claims. (Cl. 292—161.)

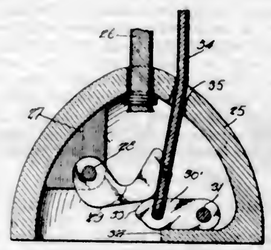
1. A door lock of the class described in combination with a series of dumb waiter doors arranged one above the other for independent swinging movement within a room, an elongated rod positioned within a shaft, guides

for said rod, a plurality of laterally extending latch bars adjustably keyed on the said rod, catches located on the doors for cooperation with the latch bars, a



shifting lever connected to the lower end of the rod to simultaneously lock and unlock the said latch bars, and a weighted element connected to the upper end of the rod.

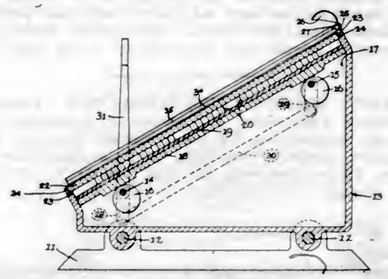
1,581,674. POUCH-TRANSFERRING DEVICE. TUDOR F. BROWN, Newark, Ohio. Filed Oct. 16, 1925. Serial No. 62,815. 2 Claims. (Cl. 258—1.)



1. In a pouch transfer, a head having a suspending means extending therefrom near its transverse center only, a pouch supporting and releasing means therein, and means extending to the releasing means whereby it is manually operated, the said releasing means projecting from the head at a location near its transverse center, the outer surface of the head around the releasing means and the head supporting means being unobstructed and capable of receiving and supporting a pouch engaging element.

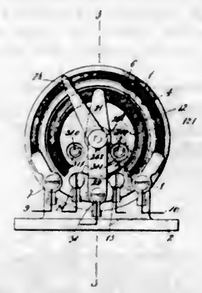
1,581,675. WASHER SETTING. JAMES W. BRUNDAGE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 24, 1924. Serial No. 701,297. 7 Claims. (Cl. 18—1.)

2. In a washer setting device, a transfer plate having a plurality of apertures, each adapted to receive a washer and each provided with resilient washer engaging means having spaced ribs to receive the edges of a



washer therebetween, and releasably hold said washer against movement in any direction.

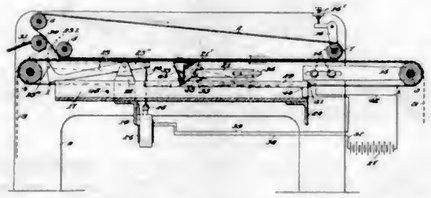
1,581,676. COMBINED RHEOSTAT AND POTENTIOMETER. CLAUDE F. CAIRNS, Cambridge, Mass., assignor to Acme Apparatus Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,130. 3 Claims. (Cl. 201—65.)



1. A combined rheostat and potentiometer comprising in combination, an insulating frame having a circular flange projecting laterally therefrom, a potentiometer resistance element mounted on said frame on one side of said flange, a rheostat resistance element mounted on said frame on the other side of said flange, said elements being arranged concentrically and one surrounding the other, terminal members connected respectively to the end of the potentiometer resistance element, a terminal member connected to one end of said rheostat resistance element, the other end thereof being free or dead-ended, a tubular sleeve rotatably mounted in said frame and projecting from either side thereof, a rheostat contact member mechanically and electrically connected to said sleeve and having its free end in cooperation with said rheostat resistance element, means for electrically connecting said tubular sleeve and the said terminal member connected to one end of said rheostat resistance element to a circuit containing a source of electromotive force, whereby the current intensity in said circuit may be varied by the rotation of said tubular sleeve and the rheostat contact member connected thereto, a rod rotatably mounted in but insulated from said tubular sleeve, a potentiometer contact member mechanically and electrically connected to said rod and having its free end in co-operation with said potentiometer resistance element, a terminal member electrically connected to said rod, the said terminal members connected respectively to the ends of said potentiometer resistance element being arranged for connection to a source of electromotive force whereby the potential difference between one of said terminal members connected respectively to the ends of said potentiometer resistance element and the

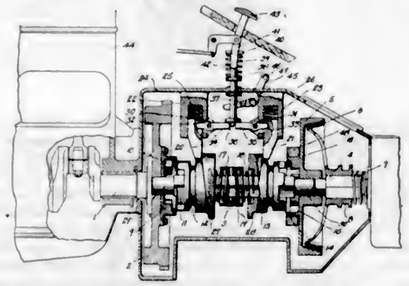
terminal member connected to said rod may be varied by the rotation of said rod and the potentiometer contact member connected thereto, and knobs secured to said tubular sleeve and rod, respectively, one projecting beyond the other, whereby said tubular sleeve and rod may be rotated each independently of the other.

1,581,677. SHEET-FOLDING MECHANISM. CHARLES VERNON CARNOVSKY, St. Albans, Vt., assignor, by mesne assignments, to Great Eastern Laundry Machinery Company, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1924. Serial No. 737,330. 11 Claims. (Cl. 270—80.)



1. A sheet folding mechanism comprising a sheet conveyor, folding mechanism at the delivery end thereof and a traveling fold controller and measurer, and means carried by said fold controller and actuated by the forward and rear ends of the sheet to be folded to cause the fold controls to be moved forward and backward by said conveyor.

1,581,678. AUTOMATIC SHAFT DISCONNECTER. WILLIS F. CHESLEY, Kansas City, Mo. Filed Apr. 20, 1925. Serial No. 24,429. 8 Claims. (Cl. 74—107.)

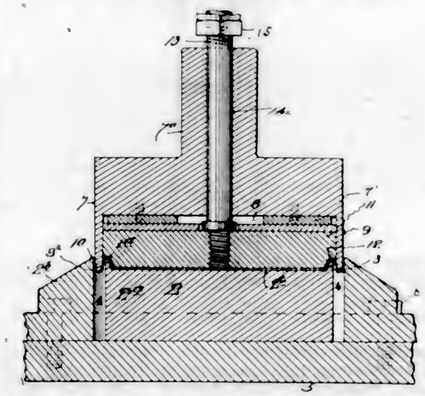


1. In combination with the driving and driven shafts of an internal combustion engine, a yieldingly urged clutch interposed between the shafts, means for restraining the clutch, means including a reciprocatory rod for controlling supply of fuel to the engine, and means mechanically operable by said rod to release the clutch restraining means.

1,581,679. DEMOUNTABLE RIM. HERBERT L. COOK, South LaGrange, Me. Filed Dec. 4, 1924. Serial No. 753,956. 1 Claim. (Cl. 301—17.)

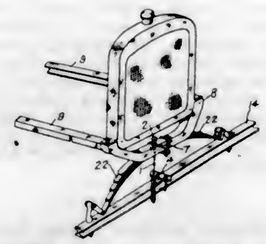
In a wheel having interlocking connecting means between its felly and rim controlled by relative turning of said felly and rim; circumferentially spaced closely related teeth on the inner side of the rim at one edge of the latter, a lug contacting with the adjacent side of the felly and having a thickened outer end provided with teeth meshing with the aforesaid teeth, said felly having a recess receiving a portion of said thickened outer end of said lug, and a bolt detachably securing said lug to the felly.

1,581,680. MEANS FOR MAKING CLOSURES FOR CONTAINERS. CHARLES GUERITEY, Passaic, N. J., assignor to Passaic Metal Ware Co., Passaic, N. J., a Corporation of New Jersey. Filed Nov. 27, 1922. Serial No. 603,609. 2 Claims. (Cl. 153—21.)



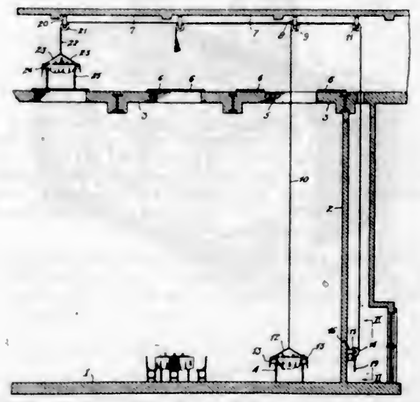
1. Means for reducing the marginal portions of blanks for closures having marginal grooves, comprising a block to receive a portion of the blank within its marginal groove, a movable member around said block to oppose the grooved portion of the blank, a blank reducing member comprising a block having a recess and provided with a pressing member to cooperate with the first named block to reduce a portion of the blank projecting therebeyond, a member outside of the pressing member having a curved recess at its inner edge to cooperate with the outer edge of the blank for turning such edge inwardly, a head or plunger within the recess of the second named block adapted to oppose the mid-portion of the blank, and means movably connecting said head or plunger with the second named block, a guide movably supported outside of the first named movable member, and resilient means supporting said guide.

1,581,681. SHOCK ABSORBER FOR MOTOR ROAD VEHICLES. WILLIAM JOSEPH JENKINS, Roseville, near Sydney, New South Wales, Australia. Filed Apr. 2, 1924. Serial No. 703,820. 2 Claims. (Cl. 267—28.)



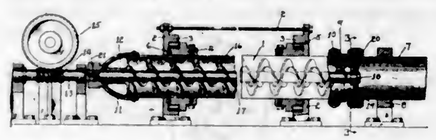
1. A snubber device for motor road vehicles provided with transverse bearing springs comprising a bolt with a projection on opposite ends thereof, a plate adapted to be secured to the chassis with which said bolt is connected, a coil spring associated with said bolt whose opposite ends abut respectively said plate and the projection at one end of said bolt, a plate adapted to be secured to the axle of the vehicle and slidably connected to said bolt, and a coil spring associated with said bolt and abutting at its opposite ends respectively with said latter plate and the projection at the other end of said bolt and being of greater tensile strength than the first spring, substantially as and for the purposes set forth.

1,581,682. TABLE-SHIFTING APPLIANCE. CURT B. MUELLER, West Park, Ohio. Filed Dec. 12, 1919. Serial No. 344,367. 9 Claims. (Cl. 20—1.)



1. The combination of a series of tables arranged in spaced relation on the floor of a room and mechanical means for simultaneously lifting said tables from the room.

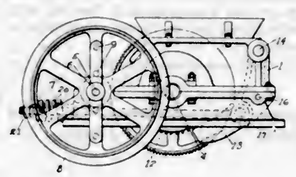
1,581,683. CENTRIFUGAL WATER MOTOR. WILLIAM T. NICHOLLS, Farber, Mo. Filed Nov. 7, 1924. Serial No. 748,359. 2 Claims. (Cl. 253—148.)



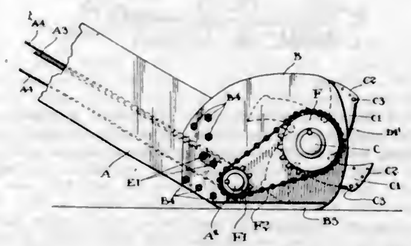
1. In a hydraulic motor, in combination a tubular rotor, a pair of spiral vanes movable relative to each other and located one within the other to direct the water from one to the other, one of the vanes connected to the rotor, means for supporting the other vane, a pipe communicating with the source of supply and having a cross sectional area larger than that of the cross sectional area of the annular region in which the spiral connected to the rotor is located.

1,581,684. SINGLE-ROLL CRUSHER. JOHN G. OGDEN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 19, 1921. Serial No. 462,487. 12 Claims. (Cl. 83—14.)

1. In an apparatus for crushing coal, the combination with a frame, of a crushing roll rotatably mounted in the frame, a breaker plate mounted in the frame at one side of said roll and forming therewith opposite downwardly converging walls between which the coal passes downwardly to the final crushing points, relatively small crushing teeth formed upon the surface of the roll and uniformly spaced to crush the coal to the desired degree of fineness, a plurality of transversely disposed feeding teeth projecting radially of the crushing roll and adapted to engage the material to be crushed to draw it downwardly into the tapering passage, teeth supporting bars lying within the roll and positively acting means to withdraw said bars and feeding teeth into said roll to avoid their contact with the breaker plate at the final crushing points.

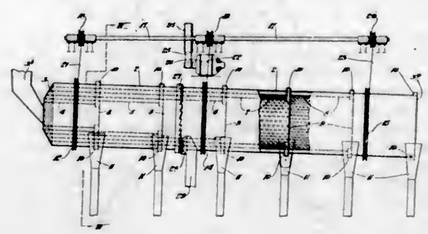


1,581,685. LOADING MACHINE. FRED OLDROYD, Cincinnati, Ohio. Filed Aug. 15, 1923. Serial No. 657,600. 17 Claims. (Cl. 198—9.)



1. In a conveyor structure for machines, of the nature described, the combination of means on said structure for conducting material rearward lengthwise on said structure, a rotary structure located on the forward end of the conveyor structure and including wings having an outer working edge and floating plates, one floating plate being hinged at the outer part of each wing and within the orbital path traversed by said edge and occupying the space between said wing and an adjacent wing and adapted to be turned on its hinge in said space, and means for turning the floating plates, substantially as described.

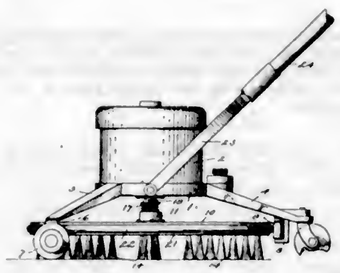
1,581,686. SCREEN. EDWARD O'TOOLE, Gary, W. Va. Filed July 30, 1923. Serial No. 654,658. 3 Claims. (Cl. 209—287.)



1. In a screening device for coal, ore and the like, having a tubular body portion enclosing a plurality of screening members, a plurality of sheaves on said body portion, a plurality of power sheaves mounted for ro-

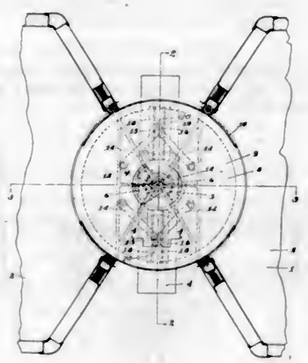
tation above said body, endless flexible driving and supporting members trained under the sheaves on said body portion and around the corresponding power sheaves, means for driving said power sheaves, a toothed ring secured around the outer periphery of said body, and a toothed segment mounted on a fixed support separate from said body and engaging said toothed ring, whereby said body will be caused to jig or reciprocate during the rotation thereof.

1,581,687. MACHINE FOR POLISHING FLOORS. LOUIS ROBERT PAPE, Columbus, Ohio. Filed May 19, 1924. Serial No. 714,242. 2 Claims. (Cl. 15—49.)



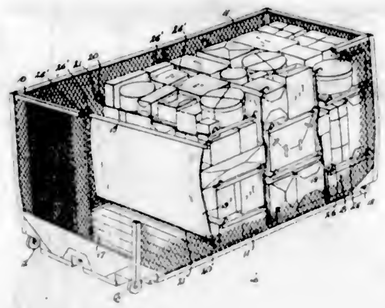
1. A floor polishing machine comprising a frame, a motor supported by the frame and having its shaft depending below the frame, radially disposed legs carried by said frame, surface engaging wheels carried by the legs, rollers supported by brackets connected with the legs, a brush head connected with the motor shaft, a ring secured to and confining the brush head, and a rubber band carried by the ring and engaged with said rollers as and for the purpose set forth.

1,581,688. ARTICULATED CAR. ALFRED K. PEHRSON, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 13, 1925. Serial No. 68,802. 28 Claims. (Cl. 105—4.)



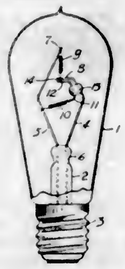
1. In an articulated car, a plurality of bodies, a vestibule member loosely mounted between the adjacent ends of two of said bodies, and means operable by said ends for maintaining the relationship between said bodies and vestibule member that the transverse center line of the vestibule member will bisect any angle formed by the longitudinal center line of said bodies.

1,581,689. PARCEL DELIVERY. DONALD W. PERIN, Brookline, Mass., assignor, by mesne assignments, to Perin-Walsh Company, Boston, Mass., a Corporation of Massachusetts. Filed July 6, 1923. Serial No. 649,843. 18 Claims. (Cl. 214—38.)



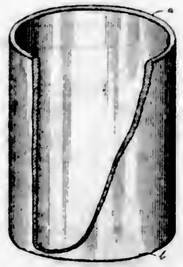
10. The combination with a parcel container, of a plurality of flexible partitions adjustably mounted therein.

1,581,690. TWO-FILAMENT STREET-SERIES LAMP. ARTHUR LESTER POWELL, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1921. Serial No. 523,263. 5 Claims. (Cl. 176—24.)



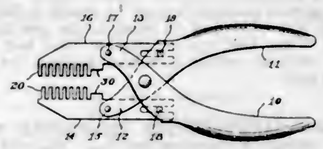
1. An electric lamp comprising a filament, leading-in wires connected to opposite ends of said filament, a supplemental conductor supported by and insulated from one of said leading-in wires, conducting means between said supplemental conductor and the other one of said leading-in wires, one end of said conductor being positioned in near relation to an end of the supporting leading-in wire, whereby an arc produced by a break in said filament fuses said leading-in wire and said conductor to provide a closed circuit.

1,581,691. TABLE GLASSWARE. RICHARD I. RATNER, New York, N. Y., assignor to Libbey Glass Manufacturing Co., Toledo, Ohio, a Corporation of Ohio. Filed July 18, 1924. Serial No. 726,878. 1 Claim. (Cl. 65—13.)



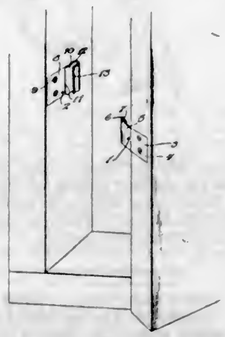
In tableware glassware, a glass having its greatest thickness immediately below its rim, the said rim being rounded so that the extreme top of the rim will not come into contact with a plane surface meeting the side wall of the glass the glass being of gradually decreasing thickness toward its base.

1,581,692. TIPPING MACHINE. JOHN H. ROYALL, Philadelphia, Pa., assignor to Perry E. Beam, St. Davids, Pa. Filed May 3, 1924. Serial No. 710,917. 3 Claims. (Cl. 81—15.)



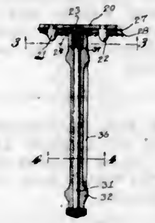
1. A tipping device comprising a pair of jaws, teeth arranged thereon, the teeth of one jaw being staggered with relation to the teeth of the other jaw, a short broad tooth on each jaw adjacent to the innermost first named tooth, said short broad teeth provided with tapered ways in their facing surfaces for tapering the end of a tip.

1,581,693. DOOR LATCH. JOHN A. SEEHOLZER, Detroit, Mich. Filed Nov. 8, 1923. Serial No. 673,566. 1 Claim. (Cl. 292—76.)



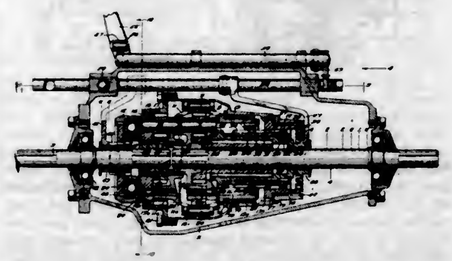
A closure fastener comprising a latch member and a keeper member, said latch member being adapted to be secured to a closure and extend from the inner face thereof and having its free end provided with a head rounded longitudinally of the latch, and said keeper being formed from a strip of resilient material bent intermediate its length to provide an attaching portion and an offset portion, said offset portion being bent back upon itself intermediate its length to provide a U-shaped socket having converging inner and outer gripping arms terminating in flaring end portions, said flaring end portions serving to guide the head of said latch member into said socket when the closure is shut and said arms being adapted to frictionally grip the head and yieldably retain the head in the socket.

1,581,694. SAFETY RAZOR. IRVING SMITH, Winsted, Conn. Filed Mar. 31, 1925. Serial No. 19,583. 21 Claims. (Cl. 30—12.)



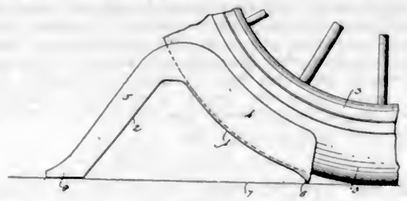
1. In a safety razor, a clamping plate, a razor blade seated on said clamping plate, a guard member covering said blade, and a flat handle for holding said guard member against said blade, said clamping plate and handle having interengaging means to hold said handle obliquely to the edge of said blade, whereby the correct diagonal shaving stroke may be easily obtained by the user.

1,581,695. TRANSMISSION GEARING. CHARLES E. STARR, Oakland, Calif., assignor to Perfecto Gear Differential Co., Oakland, Calif., a Corporation of Washington. Filed Mar. 1, 1923. Serial No. 622,019. 18 Claims. (Cl. 74—34.)



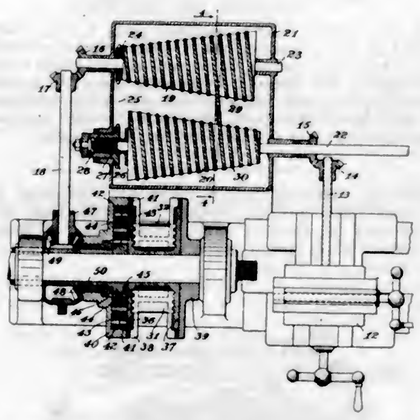
1. A transmission gearing comprising a pair of alined shafts, a center gear tight on one of said shafts, a center gear loose on the other shaft, a planet gear (I) journaled on an axis fixed in respect of said other shafts and in mesh with said loose center gear, a ring gear (I) in mesh with said planet gear (I), a planet gear (II) journaled on an axis fixed in respect of said ring gear (I) and in mesh with said tight center gear, a ring gear (II) in mesh with said planet gear (II), and means for optionally locking the parts as follows: (*a*) the loose center gear and both ring gears together, (*b*) the loose center gear against rotation, and the two ring gears together, (*c*) the loose center gear to said ring gear (I) and said ring gear (II) against rotation, (*d*) the loose center gear and said ring gear (II) against rotation, (*e*) the loose center gear to said ring gear (II) and ring gear (I) against rotation.

1,581,696. WHEEL CHOCK. REUBEN B. STIPES, Flint, Mich. Filed Dec. 23, 1922. Serial No. 608,646. 3 Claims. (Cl. 188—32.)



1. As a new article of manufacture, a wheel chock pressed from a single piece of channel material bent to a substantial inverted V-shape with the material expanded adjacent the apex of the chock to prevent buckling, cracking or distortion of the material during the formation of the chock.

1,581,697. DEVICE FOR PRODUCING A CONSTANT CUTTING SPEED OF LATHES AND OTHER MACHINE TOOLS. ERNST STÖCKEMANN, Berlin-Tempelhof, Germany. Filed Sept. 5, 1922. Serial No. 586,120. 8 Claims. (Cl. 82—21.)

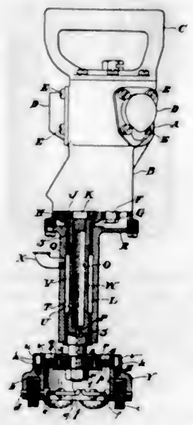


1. In a device for producing a constant cutting speed for machine tools especially for lathes, a change speed gear for altering mechanically the number of revolutions of the working spindle, a second change speed gear connected to and controlling said first change speed gear and having means for altering constantly and automatically the ratio of transmission of the first change speed gear, and a gear connecting said second gear to the feeding spindle for the tool.

1,581,698. PROCESS FOR MAKING METALLIC CHROMIUM. WILLIAM E. S. STRONG and CHARLES E. PARSONS, New York, N. Y., and SAMUEL PEACOCK, Wheeling, W. Va., assignors to Metal Research Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 19, 1925. Serial No. 10,428. 3 Claims. (Cl. 75—17.)

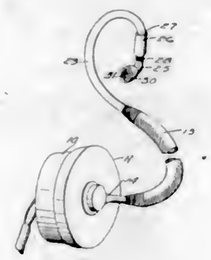
1. The process of making metallic chromium in a blast furnace, which consists in smelting a mixture containing chromic oxide, an oxygen bearing sodium compound and carbon causing the sodium to be liberated, volatilized and to react with the chromic oxide present to produce the desired metallic chromium.

1,581,699. SURFACING MACHINE. JAMES STURROCK, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,066. 4 Claims. (Cl. 125—5.)



1. In a pneumatic tool, the combination of a rotatable spindle, a head adapted to carry an abrading device, and a flexible disk secured at its center to the spindle and at its edge to the head for rotating the head and for permitting relative rocking movement between the spindle and the head.

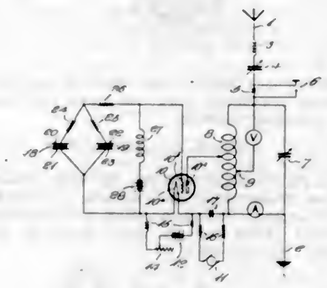
1,581,700. EAR-SUPPORTED TELEPHONE RECEIVER. PHILIP V. SUMMER, London, England. Filed May 29, 1923. Serial No. 642,204. 5 Claims. (Cl. 181—23.)



1. In an ear tube an eduction part adapted to communicate with the auditory meatus of the ear, and means for hanging same from the helix portion of the ear, said eduction portion and supporting portion being adjustably connected with one another.

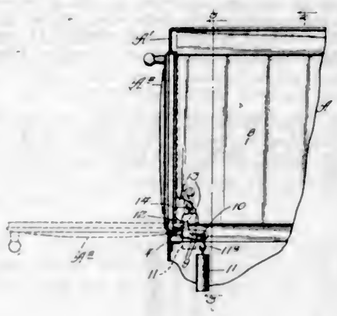
1,581,701. PIEZO-ELECTRIC CRYSTAL CONTROL SYSTEM. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 24, 1925. Serial No. 64,660. 14 Claims. (Cl. 250—17.)

1. A radio transmission system comprising in combination an electron tube oscillator having grid, filament and plate electrodes, input and output circuits interconnecting said electrodes, and a multiplicity of piezo



electric crystals electrically synchronized for parallel operation connected in said input circuit for controlling the frequency of said electron tube oscillator.

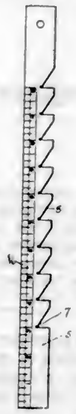
1,581,702. OVEN DOOR. JOHN J. TOOMEY, Chicago, Ill. Filed Nov. 19, 1924. Serial No. 750,810. 2 Claims. (Cl. 126—191.)



1. In combination, an oven provided at its sides with air flues and having a front frame, an oven-door, arms rigidly secured to the lower corners of the oven-door and extending inwardly through the door opening, and having their inner end portions offset laterally and disposed in said air flues, pintles connecting said front frame with said arms adjacent their points of attachment to the door, and a weight carried by a link suspended from the offset portion of one of said arms.

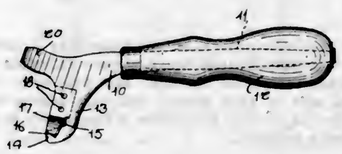
1,581,703. SKIRT MARKER. DIONYSIUS W. TREMBATH, New York, N. Y. Filed June 28, 1923. Serial No. 648,289. 1 Claim. (Cl. 33—9.)

A skirt marker or gauge comprising a graduated ruler, said graduations being disposed along one edge thereof and beginning at the bottom of the ruler, the opposite edge being provided with a series of deep triangular notches, the bottoms of which are cut in a horizontal plane, and extend substantially to the center of the ruler



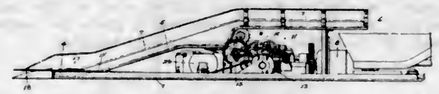
whereby a piece of material placed in one of said notches will be supported on said horizontal portion thereof to facilitate marking.

1,581,704. SHOEMAKER'S TOOL. JOHN WASHCO, Wilkes-Barre, Pa. Filed Oct. 13, 1924. Serial No. 743,377. 2 Claims. (Cl. 12—106.)



2. In a sole cutting tool, a plate-like head having a flat plate-like lateral extension with a recess in its edge, the said extension beyond the recess constituting a guide, a plate lying against the head and secured thereto, a blade integral with the plate and extending diagonally with respect to the plate, the said blade projecting through the recess of the guide and terminating beyond the side surface of the guide, and means for securing the plate to the head.

1,581,705. LOADING MACHINE. CHARLES E. WAXBOM, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed June 24, 1924. Serial No. 722,079. 29 Claims. (Cl. 198—10.)



1. In a loading machine of the class described, the combination with a shovel-like member adapted to be brought into working relation to a pile of loose material, means tending to advance said member, and impact devices independent of said advancing means tending to drive said member forwardly.

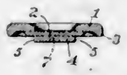
1,581,706. TWO-HOLE BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 16, 1925. Serial No. 69,318. 2 Claims. (Cl. 24—90.)

1. A two hole button comprising a body portion and a circular hub, a groove extending across the center of the hub and between said holes and at right angles to a line drawn through the center of said holes, the said groove adapted to guide and control the button when placed in a button sewing machine.

1,581,707. FOUR-HOLE BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 16, 1925. Serial No. 69,319. 4 Claims. (Cl. 24—90.)

1. A four hole sew-on button comprising a body portion, a centrally located hub, a groove extending across the under surface of the hub and two holes located on each side of said groove, and said groove adapted to guide and control the button when placed in a button sewing machine.

1,581,708. TWO-HOLE SEW-ON BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 16, 1925. Serial No. 69,320. 4 Claims. (Cl. 24—90.)



1. A two-hole sew-on button comprising a body portion, a hub, said hub having parallel side walls and rounded ends, the said hub provided with two holes each located equidistant from the central point on the hub surface, and the side walls adapted to guide the movement of the button in a button sewing machine.

1,581,709. FOUR-HOLE SEW-ON BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 16, 1925. Serial No. 69,321. 3 Claims. (Cl. 24—90.)

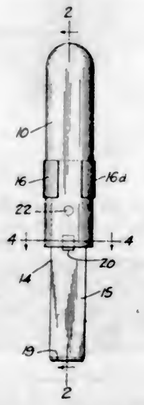
1. A four-hole sew-on button comprising a body portion, a depending hub, said depending hub having at least two parallel faces opposite each other, the said hub provided with four holes, all arranged equidistant from the central point on the end of the hub and two

holes adjacent each parallel side, and the said parallel sides adapted to properly guide and locate the button in a button attaching machine.

1,581,710. FOUR-HOLE SEW-ON BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 16, 1925. Serial No. 69,322. 3 Claims. (Cl. 24—90.)

1. A four-hole sew-on button comprising a body portion, a centrally located hub, said hub having at least two parallel faces arranged opposite to each other at the outer end of the hub, the said hub provided with four holes all arranged equi-distant from a central point on the end of the hub and further arranged so that two lines drawn perpendicular to each other through the central point and perpendicular to the sides of the hub will each intersect the centers of two of the said holes, and the said parallel sides adapted to properly guide and position the button in a button attaching machine.

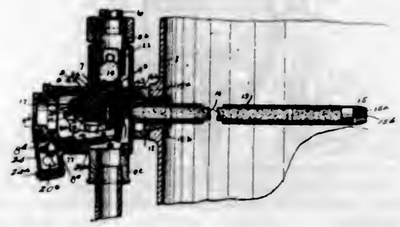
1,581,711. TOOTHBRUSH HOLDER. ROMAN WINOGRAD and SAMUEL SHAKIN, New York, N. Y. Filed Mar. 31, 1925. Serial No. 19,669. 1 Claim. (Cl. 248—63.)



A tooth brush holder, comprising a tubular housing of uniform diameter, closed at its top and open at its bottom, and a bracket stamped from a single piece of metal, consisting of a vertically disposed standard having arms at its upper end snugly embracing the said housing and slidably holding it in a position parallel

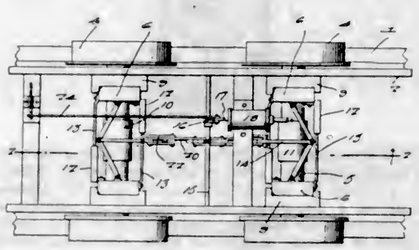
to that of the said standard and in spaced relation thereto, the said housing being adapted to be removed from between the said arms by sliding upwardly only through the tops thereof, the lower end of the said standard being bent at substantially right angles and being cup-shaped to form a support for the lower end of the handle of a tooth brush, the said standard having a rigid prong projecting therefrom engaging the bottom of the said housing adjacent the said bracket and limiting the downward movement of the said housing without obstructing its opening, the said prong being cut out of the said standard and integral therewith at one end.

1,581,712. OPERATING MECHANISM. CARL M. YODER, Cleveland, Ohio, assignor, by mesne assignments, to Bastian-Morley Co., La Porte, Ind., a Corporation of Indiana. Filed June 6, 1922. Serial No. 566,345. 13 Claims. (Cl. 236—102.)



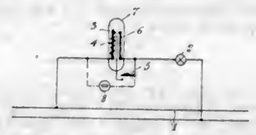
1. In a mechanism of the class described, the combination with a casing having a valve opening through which fluid passes, and a valve element for said valve opening, of means for operating said valve element, said operating means comprising a plurality of connected multiplying levers, a thermostat element engaging one of said levers and thrust means carried by another lever, said thrust means having a coiled spring extending in a direction axially of said valve opening and mounted to swing relative to said last mentioned lever, whereby said spring remains in said axial position and moves axially into engagement with and operates said valve element during swinging movement of said lever.

1,581,713. LOCOMOTIVE SAFETY APPLIANCE. JAMES ADAMS, Fort Madison, Iowa. Filed Sept. 9, 1925. Serial No. 55,320. 4 Claims. (Cl. 104—246.)



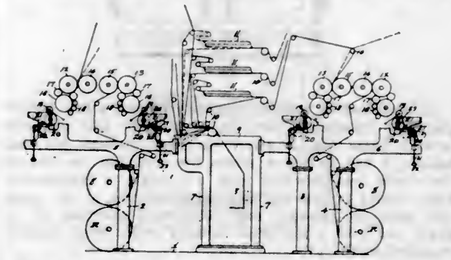
1. In a safety appliance of the class described, a wheel supported frame, an axle beneath said frame, wheels on the ends of said axle, a pair of arms mounted for oscillation and sliding on said axle, outstanding rollers carried by the lower ends of said arms, and means mounted on said frame for successively oscillating and sliding said arms.

1,581,714. THERMOSTATIC TIME SWITCH. AXEL OSVALD APPELBERG, Stockholm, Sweden, assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden. Filed Sept. 23, 1922. Serial No. 590,116. 7 Claims. (Cl. 200—122.)



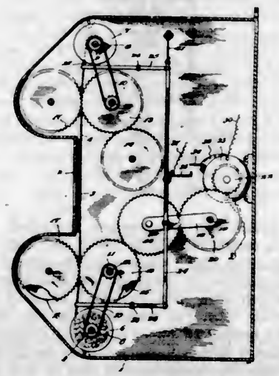
1. In time switching devices the combination with a lamp circuit of a thermostatic switch included in said circuit and consisting of a thermostat and a heating resistance both enclosed in an evacuated receptacle, a heating circuit for said resistance and a push-button switch in said circuit adapted, upon being operated, to close said heating circuit so as to cause the amount of heat required to be stored up momentarily in said heating resistance.

1,581,715. PRINTING MACHINE. HARRY V. BALL, Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 25, 1925. Serial No. 45,971. 11 Claims. (Cl. 270—5.)



3. In a printing press arrangement, the combination of framing, printing mechanism located above the framing, a folder located below the framing, inking mechanism above the framing, said inking mechanism including a fountain and a fountain roll, and means for adjusting the ink supply from the roll at a plurality of points widthwise thereof, said adjusting mechanism extending below the framing and being adjustable from the folder level.

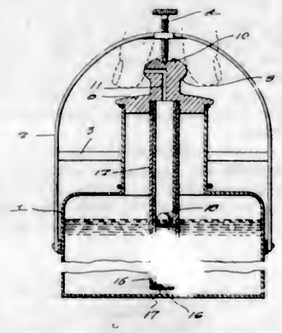
1,581,716. STATION INDICATOR. DAVID K. BARNES, McNary, Ariz. Filed Apr. 1, 1925. Serial No. 19,968. 1 Claim. (Cl. 40—57.)



A station indicator comprising a web having names of stations displayed thereon, an electric motor, means at

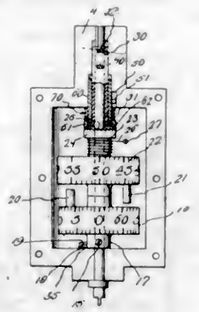
the stations for closing the circuit through said motor, a contact mounted upon the casing of the motor, trains of gearing connected with the opposite ends of the web and including a gear common to both trains and shiftable between the trains, a shifting bar connected with said gear, a circuit closing member on said bar, levers connected with said bar, and tappets upon the web adapted to actuate the respective levers.

1,581,717. FILLER CAP AND LIQUID-DEPTH GAUGE. ROY BOWEN, Hooperston, Ill. Filed Dec. 3, 1924. Serial No. 753,707. 1 Claim. (Cl. 220—24.)



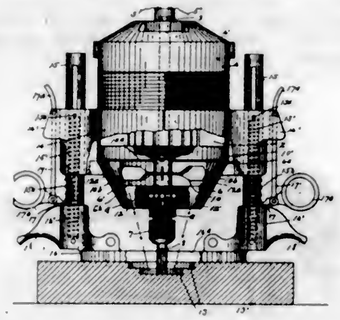
In combination with a receptacle having a bail handle pivotally associated with the receptacle and provided with a cross bar, a screw threaded through the bail handle, a cap having a recess for receiving the end of the screw and provided with a conduit, a transparent tube carried by the cap and communicating at its upper end with the conduit, said tube being provided at its lower end with a restricted opening and a float movably mounted in the tube.

1,581,718. AUTOMATIC SPEED-RECORDING DEVICE. PERRY O. BROWN, St. Vincent, Minn., assignor of one-half to Gustaf V. Backstrom, St. Vincent, Minn. Filed Nov. 10, 1925. Serial No. 68,123. 6 Claims. (Cl. 116—57.)



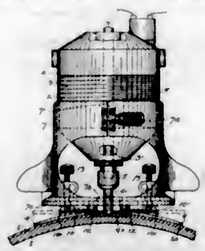
3. In a device for the purpose described, the combination of a casing body with lower and upper pointers, a speed indicating disk rotatable in the casing body and having a projection, a speed record disk superposed on the first named disk and having a pendent projection for cooperation with the projection of the first named disk and also having an upper extension terminating in a clutch member, a spring connected with the record disk in the casing body for returning said disk to zero position, a gravitational clutch member opposed to that of the record disk, a shaft through which motion is transmitted to the speed indicating disk, said shaft having a circumferential groove and a longitudinal groove in communication therewith, and a sleeve for lifting the gravitational clutch member, said sleeve receiving said shaft and having a finger piece for its convenient manipulation and also having a pin positioned during operation of the speed indicating disk in the circumferential groove of the shaft and adapted when the gravitational clutch member is to be raised to move upwardly in the longitudinal groove of the shaft.

1,581,719. BLOWER FOR ROUTING MACHINES. RAY L. CARTER, Syracuse, N. Y. Filed Feb. 7, 1925. Serial No. 7,728. 5 Claims. (Cl. 90—12.)



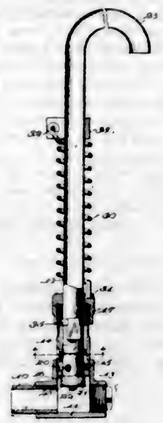
1. The combination with a driven tool-carrying shaft, of a hollow conical head surrounding the shaft, said head being formed interiorly with openings arranged to direct streams of air that converge near the free end of the tool, a fan mounted upon and driven by said shaft, said fan being located within the hollow head adapted to force air continuously through the said openings and into the sockets wrought by said tool, for blowing dust and chips from the said sockets, the interior of the head being arranged with oppositely facing spiral recesses which communicate with the openings.

1,581,720. FLEXIBLE SHOE FOR ROUTING MACHINES. RAY L. CARTER, Syracuse, N. Y. Filed Feb. 16, 1925. Serial No. 9,618. 7 Claims. (Cl. 90—12.)



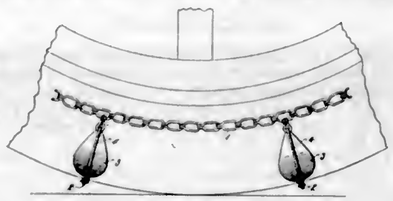
1. In a machine for routing plane and curved surfaces, the combination with a motor and a tool driven thereby, and a holder in which said motor may be adjusted axially, of a disc-shaped shoe composed of celluloid or like non-abrading material mounted below said holder adapted to directly engage the work, means for rigidly securing the shoe at substantially diametrically opposite points to the bottom face of the holder, and means freely slidably engaging the shoe for correspondingly flexing the opposite margins of said shoe away from the holder for shaping the shoe to the curvature of cylinders of different diameters, the said shoe adapted to be restored to its normal flat state when the said flexing pressure is relaxed.

1,581,721. HYDRANT. PERLEY C. CLARK, Montrose, Colo. Filed Nov. 24, 1924. Serial No. 752,053. 3 Claims. (Cl. 137—13.)



1. In a hydrant, a water supply pipe, a connection coupled to the water supply pipe, a valve casing screwed into the connection, a delivery pipe having a portion within the valve casing, and interengaging means between the delivery pipe and valve casing whereby the valve casing may be assembled with the connection or disassembled therefrom by manipulation of the delivery pipe and whereby the valve may be releasably and positively held in open position.

1,581,722. ANTISKID DEVICE. PEDRO A. DEL VALLE, Annapolis, Md. Filed Feb. 4, 1925. Serial No. 6,749. 2 Claims. (Cl. 152—14.)

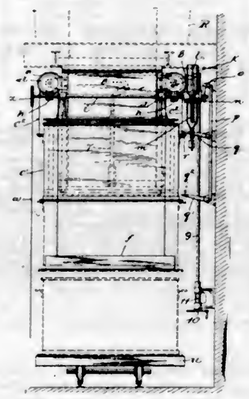


1. A combined anti-skid and traction increasing link formed of a single piece of metal of substantially triangular shape and curved longitudinally to conform to the sides of a vehicle tire and having an outwardly projecting longitudinal traction increasing fin whose height gradually decreases from the base to the apex of the link, the apex of the link being adapted to lie adjacent the side chains.

1,581,723. IRRIGATION VALVE AND FITTING. ROBERT W. DORN, Larkins, Fla. Filed July 20, 1922. Serial No. 576,253. 1 Claim. (Cl. 137—13.)

For use as cooperating elements of a low-pressure irrigation system, a metallic outlet collar adapted to be fixedly mounted in one of the outlet openings of said system and having wedging flanges, in combination with a cap adapted to fit on the open upper end of said collar and having fingers engaging against the under faces, respectively, of said flanges, to draw said cap tightly against the upper end of said collar as the cap is partially rotated in the direction of closing, said flanges having their lower faces undercut so as to have only an edge for contact, and said fingers having their engaging faces formed in an abrupt curve to give only a fine point contact with the edge of the respective flanges.

1,581,724. METHOD AND APPARATUS FOR THE EXTRACTION OF COKE FROM VERTICAL RETORTS. ARTHUR MCDOUGALL DUCKHAM, London, England, assignor to IsBell-Porter Company, Newark, N. J., a Corporation of New York. Filed Nov. 7, 1924. Serial No. 748,365. 9 Claims. (Cl. 214—18.)



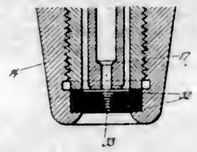
1. The method of operating and governing the discharge of a vertical retort coke oven in connection with a separate and transportable container, which consists in sealing the space between the lower section of the retort and the container, simultaneously gravitating the coke from the interior and lower section of the retort into the container while maintaining the sealed relation between the retort and container and as the container gravitates, cutting off the feed of coke into the container at the breaking of the seal between said retort and container; and removing the charged container from the end of said retort.

2. The combination with a vertical coke retort having an open bottom, of a separate and transportable container having an imperforate bottom and its sides adapted to surround the bottom section of the vertical retort substantially the full depth of the container and its imperforate bottom placed in juxtaposition to the open bottom of the retort, means at the bottom of the retort for supporting and releasing a body of coke within and at the bottom section of the retort, and means for raising said container to surround the bottom of the retort to deposit the coke into the container and lower said container to remove the charged container with its coke from the bottom of the retort.

1,581,725. APPARATUS FOR ATOMIZING LIQUID FUEL. FRITZ EGERSDÖRFER, Charlottenburg, Germany. Filed May 13, 1925. Serial No. 30,116. 3 Claims. (Cl. 158—76.)

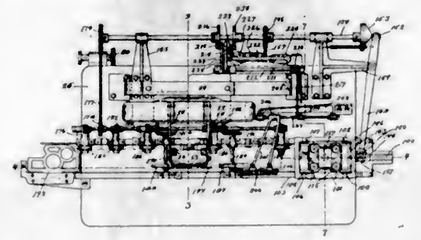
3. An apparatus for atomizing liquid fuel, comprising a nozzle provided with a passage for delivering a jet of air, a plurality of superposed disks in front of the delivery end of said passage and formed with holes in

alignment with said passage and having areas not larger than that of said passage and decreasing from the hole of the disk adjacent to said passage to the



hole of the outer disk, the holes through the disks being flared outwardly, and a passage for conducting liquid fuel to the space intermediate the delivery end of said passage and the adjacent disk.

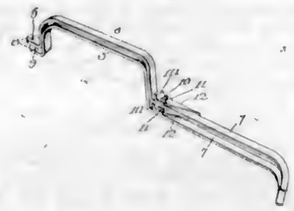
1,581,726. PRINTING MACHINE. HARMON P. ELLIOTT, Watertown, Mass. Filed Sept. 11, 1922. Serial No. 587,594. 38 Claims. (Cl. 101—48.)



2. In a printing machine adapted to operate from a series of stencils, a table, a holder for a stack of stencils disposed above said table, a suction device arranged to engage and remove the lowermost stencil of the stack downwardly and deliver it onto said table, a stencil track, and a reciprocatory pusher slidable on said table arranged to move beneath and engage the edge of a stencil thereon and move it onto said stencil track.

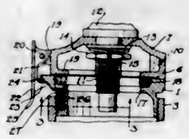
20. In a printing machine adapted to operate on a series of stencils, a holder adapted to contain a stack of stencils, a stencil track, selector mechanism disposed above said track arranged to operate on the stencils therein, and means to move stencils from said holder along said track including means arranged intermittently to move stencils to a position beneath said selector apparatus, means positively to hold said stencils intermittently in such position, and means to release said holding means.

1,581,727. ANIMAL POKE. JEREMIAH C. FITZGERALD, Kilbourn, Wis. Filed Apr. 18, 1925. Serial No. 24,061. 1 Claim. (Cl. 119—138.)



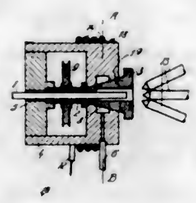
An animal poke comprising two pieces of flat metal overlapping each other longitudinally part way of their lengths and each provided in its overlapping portion with an outward bend to receive the neck of an animal, and also to permit of said bars being nested when in knocked-down condition, each end of each of said bends being at substantially a right angle to the adjacent portions of said pieces, a bolt detachably and transversely securing said pieces together at the juncture of the ends of said bent portions, said pieces each having an opposed fence engaging arm extended from one end of its bent portion, and a rearwardly extended prod mounted on each of said bolts between said pieces, each prod having on its front end a transverse flat faced flange to engage the edge of one of said pieces for preventing the pivotal movement of said prod, when in its operative position, and also for co-action with a part of the bent portion of one of said pieces to prevent lateral pivotal movement of the prod when the same is located longitudinally on one of the fence engaging arms for the purpose of shipment.

1,581,728. RADIATOR CAP. RICHARD A. FRIEDLANDER and GEORGE E. GRAVENSTINE, Dayton, Ohio, assignors to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 21, 1925. Serial No. 10,955. 3 Claims. (Cl. 220—24.)



1. The combination with a threaded radiator neck, of a threaded radiator cap adapted to be screwed thereon, and a locking member bearing an external thread running oppositely to the thread of the radiator neck for vertical insertion between the latter and the radiator cap, for the purpose specified.

1,581,729. ARC LAMP. HANS GERDIEN and ALBERT LOTZ, Berlin-Grunewald, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin and elsewhere, a Corporation of Germany. Filed Nov. 21, 1924. Serial No. 751,268. 5 Claims. (Cl 176—41.)

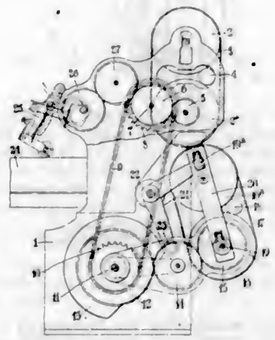


1. In an electric arc lamp, in combination, a pair of electrodes, means for forming an electric arc between said electrodes, a rotatable tube surrounding said arc, means for imparting rotary motion to said tube and means for maintaining a film of liquid on the inner wall of said tube.

1,581,730. DUPLICATING MACHINE. DAVID GESTETNER, London, England, assignor to D. Gestetner, Limited, London, England. Filed Oct. 18, 1924. Serial No. 744,380. 3 Claims. (Cl. 101—116.)

1. A stencil duplicator for use in the reproduction of facsimiles of typewritten, manuscript, printed matter,

drawings and the like, comprising a main frame, a plurality of inking cylinders rotatably mounted in said frame, an endless flexible stencil carrier located about said plurality of inking cylinders, means for rotating the cylinders and thereby causing the flexible stencil carrier to travel over the surfaces thereof, a second frame associated with the main frame of the machine, a



plurality of inking cylinders rotatably mounted in the second frame, an endless flexible stencil carrier associated with said plurality of cylinders, means for rotating the cylinders and means for moving periodically the second frame to bring one of the cylinders mounted therein toward one of the cylinders mounted in the main frame, whereby pressure may be exerted upon a sheet of material introduced between the stencil carriers.

1,581,731. COLD EXHAUSTION OF INCANDESCENT ELECTRIC LAMPS AND THE LIKE. DANIEL SNYDER GUSTIN, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Sept. 25, 1923. Serial No. 664,777. 3 Claims. (Cl. 176—2.)

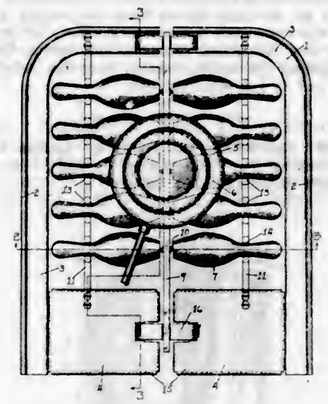
1. The method of manufacturing incandescent electric lamps of the vacuum type comprising applying a getter consisting of a mixture of phosphorus and graphite to a filament, sealing said filament into a bulb, exhausting said bulb without the aid of heat, flushing with oxygen, cold exhausting again and flashing said filament to effect a gas and moisture clean-up therein.

1,581,732. PAINT AND PROCESS OF APPLYING THE SAME. AARON M. HAGEMAN, Bloomfield, and EDWARD R. SCHMID, Verona, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 18, 1920. Serial No. 431,587. 12 Claims. (Cl. 134—45.)

1. A binding material for a light diffusing coating consisting essentially of a solution of a mixture of commercial sodium silicate and a substance capable of reducing the alkali content of said sodium silicate when said mixture is heated to render said coating resistant to atmospheric conditions.

1,581,733. ALLEY-PIN-CLEANER HOLDER. JACK HAGERTY, Toledo, Ohio. Filed Sept. 15, 1924. Serial No. 737,693. 6 Claims. (Cl. 15—268.)

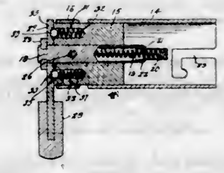
1. A holder for alley pins having a plurality of pins for receiving the bottoms of the alley pins, and a plurality of curved supports to receive and rotatably support the necks of the alley pins, said supports and first mentioned pins being so positioned that the alley pins may be supported in approximately a horizontal plane.



1,581,734. SOUND-CONDUCTING TUBE. WALTER HAHNEMANN, Kitzeberg, near Kiel, and HUGO LICHTE, Kiel, Germany, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed Aug. 25, 1921. Serial No. 495,232. 2 Claims. (Cl. 181—25.)

1. A sound conduit for conducting sound of a substantially definite frequency, comprising several portions, each of uniform cross-sectional area but of widely different cross-section relatively to the other portion, in combination with means disposed between said portions and dimensioned in accordance with the particular wave length of the sound transmitted and adapted to transfer substantially the entire sound energy from one of said portions to the other.

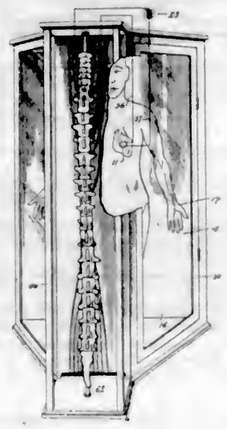
1,581,735. SOCKET SWITCH. FRANKLIN H. HART, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Oct. 21, 1922. Serial No. 595,937. 5 Claims. (Cl. 173—346.)



1. In a device of the character described, a lamp socket, an insulating plug mounted in said socket and projecting from one end thereof, a conducting rod extending longitudinally in said plug and provided with a

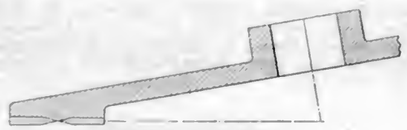
lamp contact within the socket, a switch member mounted to turn about said rod as a pivot at the outer end of the plug in a plane extending transversely of the axis of the rod and provided with a shoulder, a contact mounted on the plug spaced from said socket and provided with a shoulder located in the path of movement of said first mentioned shoulder, and means for yieldingly holding the switch member with the shoulders in contact and in separated relation.

1,581,736. ILLUSTRATING DEVICE. LESTER E. HASSLER, Boyers, Pa. Filed Aug. 6, 1924. Serial No. 730,519. 6 Claims. (Cl. 35—16.)



1. A device of the character described embodying an anatomical chart, electric signal devices mounted upon the chart and indicating certain portions of the anatomy, a spinal column and contact elements carried by the vertebræ and included in circuit with a source of current and with the signal devices, whereby the signal devices may be selectively controlled by manipulating the vertebræ.

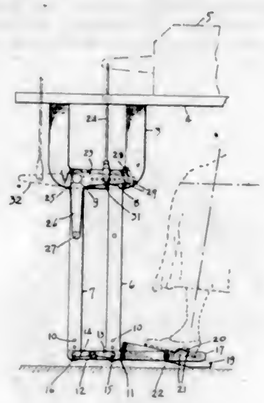
1,581,737. HERRINGBONE GEAR. ERNEST C. HEAD, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Jan. 23, 1922. Serial No. 531,105. 19 Claims. (Cl. 74—41.)



1. A herringbone gear, each tooth of which includes a body portion of uniform depth and an effective end portion of reduced depth located adjacent to the center of the gear face.

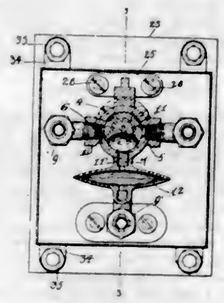
1,581,738. UNIVERSAL FOOT TREADLE. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 6, 1921. Serial No. 475,330. 17 Claims. (Cl. 74—81.)

1. A foot-treadle comprising a foot-rest, pendent link members positioned intermediate the sides of said foot-rest, a forked member for associating said foot-rest with said link members for movement through a given path



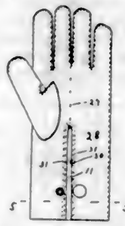
and means for maintaining the foot-rest in a constant given relative position with respect to said path.

1,581,739. AUDIBLE SIGNAL AND FUEL CONTROL. ALBERT R. HOLLER, Erie, Pa. Filed Feb. 20, 1923. Serial No. 620,311. 2 Claims. (Cl. 158—46.5.)



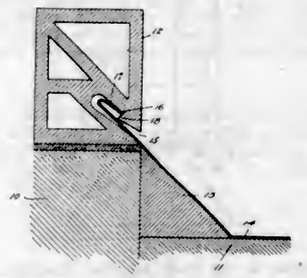
1. In a structure of the character described, a three way valve comprising a cylindrical casing having inlet ports formed in its periphery in spaced relation to each other circumferentially of the casing and an outlet port in its lower portion between the inlet ports, a valve block rotatably mounted in said casing and having a peripheral pocket for selectively connecting the outlet port with either of the inlet ports when the valve block is rotated, a tube leading from the outlet port, a convex disc carried by said tube, a mounting member, an arm extending from the upper portion of said valve casing and connected with said mounting member, a bracket element connected with the mounting member and having a tubular outer end portion adapted for connection with an outlet pipe, an upstanding tubular arm carried by said bracket element in spaced relation to its free end and communicating with the tubular outer end portion of the bracket member, and a disc carried by said upstanding arm and having its peripheral portion joined to the peripheral portion of the other wise, said discs having concave confronting faces.

1,581,740. FUR LINING FOR GLOVES. MARY HORWITZ, Gloversville, N. Y., assignor to Harris Lazarus, Gloversville, N. Y. Filed Mar. 29, 1924. Serial No. 702,945. 2 Claims. (Cl. 2—164.)



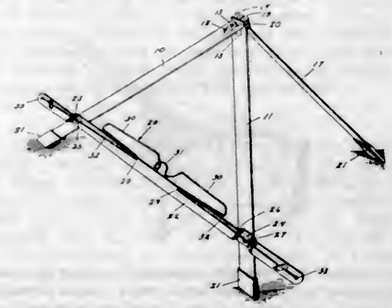
1. In a fur lined glove the combination of an outer shell formed from a blank having its longitudinal edges brought together at the outside of the little finger and up the glove in line therewith and a fur lining composed of a fur-bearing skin with its stomach edges located lengthwise of the glove on a line through the center of the palm.

1,581,741. ROOF FLASHING. CICERO HOSKINS, Quincy, Ill. Filed June 15, 1925. Serial No. 37,308. 5 Claims. (Cl. 108—26.)



1. A raggle block for roof flashing adapted to be laid in a wall with its exterior face flush with the surface of said wall, said block having a slot therein to receive the flashing and said slot having a reentrant portion extending into the body of the block to receive a projection on said flashing.

1,581,742. BOOK SUPPORT. GLENN ANDREW JOHNSON, McPherson, Kans. Filed Nov. 16, 1923. Serial No. 675,172. 5 Claims. (Cl. 45—80.)

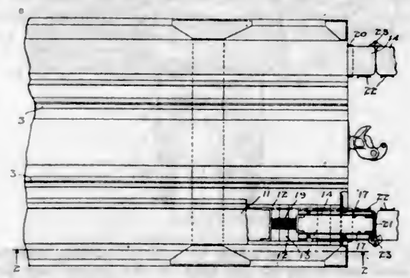


2. A device of the character described comprising supporting legs pivotally connected in upwardly converging relation, a brace pivotally connected with said legs, means for limiting swinging movement of the brace with respect to the legs, a bar pivotally connected with the legs, and leaf holding means on the bar, one of said legs being detachable from the other and from said brace whereby to be swingable to lie against the bar, and the other leg and brace being swingable to lie together in registration with the bar and first named leg, said leaf holding means being engageable with the folded bar, legs and brace for holding the same in registering position.

1,581,743. PNEUMATIC TIRE AND METHOD OF BUILDING THE SAME. JOHN KEARNS and EZRA GRAY WEBBER, Conshohocken, Pa., assignors of one-half to Lee Tire & Rubber Company, Conshohocken, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1923. Serial No. 675,591. 3 Claims. (Cl. 154—14.)

1. A pneumatic tire comprising in part several plies of fabric, bead strips, said plies folded back over said bead strips and some of the plies having overlapping edges and other of the plies having abutting edges circumferentially and centrally of the tire, and a gum strip interposed between the abutting edges and underlying the overlapping edges for sealing the several edges.

1,581,744. RAILWAY CAR. WILLIAM PLATTS KELLETT, Brantford, Ontario, Canada. Filed Dec. 26, 1924. Serial No. 758,153. 8 Claims. (Cl. 105—159.)



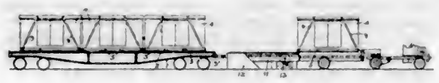
1. A railway car having longitudinal guides arranged on its deck above the truck wheels, said guides being adapted to receive vehicles with wheels of standard gauge and extending from end to end of the car, and members forming extensions from said guides at the ends of the car supported exclusively from the car and forming with the extension members from the adjacent car a flexible continuous trackway.

1,581,745. TRANSPORTATION SYSTEM. WILLIAM PLATTS KELLETT, Brantford, Ontario, Canada. Filed Dec. 26, 1924. Serial No. 758,154. 2 Claims. (Cl. 214—38.)

1. A transportation system, comprising the use of standard roadway transfer vehicles for collecting and delivering goods and providing railway trains to receive

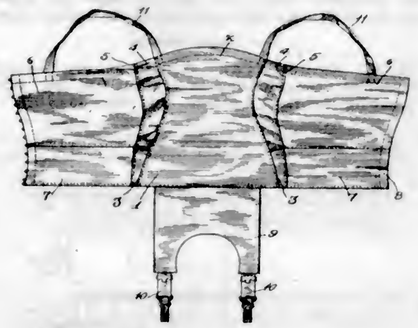
and trans-ship said vehicles over long distance hauls from point to point, said railway trains having permanently continuous trackways and being provided with means for anchoring the vehicles in place thereon.

1,581,746. TRANSPORTATION MEANS. WILLIAM PLATTS KELLETT, Brantford, Ontario, Canada. Filed Jan. 26, 1925. Serial No. 4,852. 3 Claims. (Cl. 105—159.)



1. A transportation means comprising the combination with standard railway flat cars provided with longitudinal track-ways on the decks thereof, demountable car-bodies having wheels engaging said track-ways so arranged in relation to the body structure that either end of the body may be projected beyond the flat car without support, a distance sufficient to bring the outer support into supporting contact with the next adjacent coupled car, without disturbing the horizontal equilibrium of the body, whether loaded or unloaded.

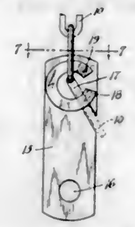
1,581,747. BRASSIÈRE. NORA MAYE LANDON, Richmond, Va. Filed Sept. 20, 1923. Serial No. 663,894. 2 Claims. (Cl. 2—42.)



1. A brassière consisting of a front section adapted to cover the front of the body of the wearer and provided with hose supporting means, two back sections adapted to cover the back of the wearer, all of said sections being cut straight of the material, two underarm sections of tapered form cut bias of the material, the front sections having inwardly curved edges to fit over the bust of the wearer, the back sections having outwardly curved edges, the underarm sections being joined directly to the front and back sections and having curved edges whereby the superfluous flesh under the arms is confined, and a straight waist confining section attached to the lower edges of the back and underarm section, all of the sections being formed of inelastic material.

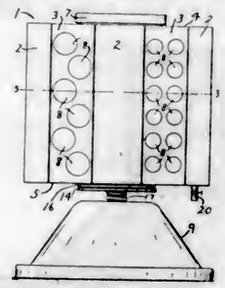
1,581,748. CHAIN FASTENER AND LOCK. JOHN AXEL LUND, Minneapolis, Minn., assignor to Twin City Scenic Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 14, 1925. Serial No. 9,148. 4 Claims. (Cl. 24—241.)

1. A chain fastener and lock comprising a plate provided with a diagonal channel communicating with one edge of said plate, and an arcuate keeper pivoted adjacent one of its ends to said plate at a point adjacent



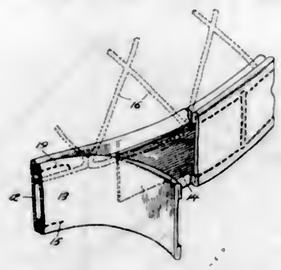
the inner end of said channel, and adapted to normally traverse an intermediate portion of said channel and extend at either side of the inner end thereof.

1,581,749. REFRIGERATED BOTTLE DISPLAY CABINET. WILLIAM MAHONY, Hamilton, Ontario, Canada. Filed May 23, 1925. Serial No. 32,438. 3 Claims. (Cl. 211—20.)



1. A device of the class described comprising a tank supported to rotate about a vertical axis, and formed with a plurality of separate, spaced apart, bottle holding receptacles extending thereinto from the wall thereof, said receptacles so disposed within the tank that a fluid contained within the tank will surround said receptacles.

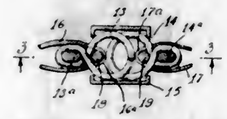
1,581,750. HEADWEAR. GERARDO MANTILLA, Los Angeles, Calif. Filed July 15, 1924. Serial No. 726,154. 1 Claim. (Cl. 2—176.)



In a cap of the character described, a head encircling band having its upper and lower edges turned outwardly and toward each other, a reinforcing strip located outwardly of said band at the joint between the ends thereof, an outer band disposed against said inner band and having the joint between its end located opposite said reinforcing strip, said outer band having its upper and

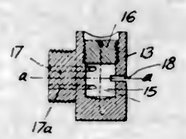
lower edges turned inwardly and toward each other in engagement with said first named turned edges, and a crown portion formed as a central ring and a plurality of flexible members radiating therefrom and arranged in intersecting relation, said flexible members having portions of appreciable length lying between said inner and outer bands and occupying the space between the turned edges thereof, said turned edges being secured together for holding the flexible members in position.

1,581,751. FASTENING DEVICE. DAVIS MARINSKY, Bronx, N. Y. Filed Mar. 23, 1925. Serial No. 17,588. 12 Claims. (Cl. 24—205.)



1. A device of the class described comprising a plurality of link members having loop portions arranged in alinement, a flexible mounting strand on which said link members are mounted in abutting relation, a supplemental strand extending through the loop portions of said link members for reinforcing the same, and attaching means positioned between the loop portions of said link members and engaging the second named strand.

1,581,752. NEBULIZER OF LIQUIDS. FRANK MARTINDELL, Baldwin, N. Y., assignor to The Anthony Company, Long Island City, N. Y., a Corporation of New York. Filed May 3, 1921. Serial No. 466,558. 6 Claims. (Cl. 299—114.)



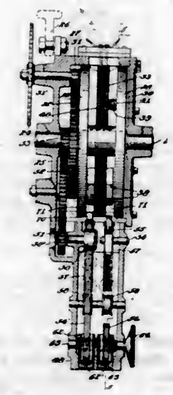
1. A liquid nebulizer comprising a swirl chamber of cylindrical smooth bore closed at its ends, a tangential inlet through the curved wall of said chamber adjacent one end, and a discharge through the curved wall at a point farther removed from said end.

4. A neubulizer of liquids comprising a structure having in combination a centrifugal chamber having two inlet openings tangential to the side wall thereof, an outlet opening through the side wall of the said centrifugal chamber, the said outlet opening being located in a plane between those of the two inlet orifices.

1,581,753. AUTOMATIC SELECTIVE TIMING MECHANISM. WALDEMAR F. MAYER, Yonkers, N. Y., assignor, by mesne assignments, to Great Eastern Laundry Machinery Company, New York, N. Y., a Corporation of New York. Filed July 1, 1924, Serial No. 723,603. Renewed Mar. 11, 1926. 20 Claims. (Cl. 270—80.)

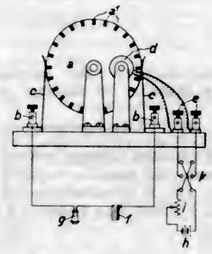
1. The combination of timing mechanism; of a rotary contact carrier and a contact button held on the face of the carrier and shiftable in any direction on the face of said carrier.

4. The combination in a timing mechanism with a rotary contact carrier and a support adjacent to one face of said carrier provided with fixed contacts, of a plurality of contact buttons between which and said rotary carrier magnetic relation exists to cause the contact buttons to adhere movably to the face of the rotary carrier in any adjusted position, means for releasing one contact button at a time to the action of the rotary



carrier, means for shifting the button movably along the face of the rotary carrier to a predetermined position in proper relation to any one of said fixed contacts, and means for returning the contact button to its original position.

1,581,754. ELECTRIC-CURRENT INTERRUPTER. ROBERT MECHAU, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,134. 1 Claim. (Cl. 171—212.) (Granted under the provisions of the act of Mar. 3. 1921, 41 Stat. L., 1313.)



In an electric direct current interrupter a base plate, a round metallic body rotatably disposed on the base plate, a plurality of pieces of insulating material disposed around the said body at about equal distance apart, a plurality of brushes fitted on the base plate and sliding on the said insulating pieces, and a magnet system so disposed in the vicinity of the metallic body that its lines of force intersect it.

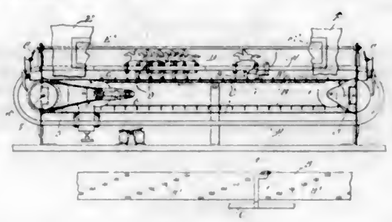
1,581,755. INSERTABLE JOINT PIPE SUPPORT. JOHN J. MEYER, New York, N. Y. Filed Sept. 28, 1925. Serial No. 59,211. 6 Claims. (Cl. 285—116.)

1. The combination with an insertable pipe joint formed with a hub and a superimposed pipe section

terminating with a spigot telescoped in said hub, of a support for said superimposed pipe section comprising

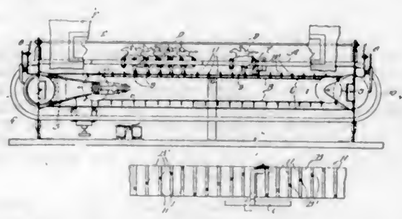
an encircling member independent of said pipe section removably secured thereto and resting by gravity on the exterior of said hub.

1,581,756. TOY RACE-COURSE DEVICE. FRED L. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 7, 1925. Serial No. 73,655. 8 Claims. (Cl. 273—86.)



6. A permutation-belt for the purpose set forth, equipped with a plurality of foldably mounted racer-actuators.

1,581,757. TOY RACE-COURSE DEVICE. FRED L. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1925. Serial No. 75,347. 5 Claims. (Cl. 273—86.)

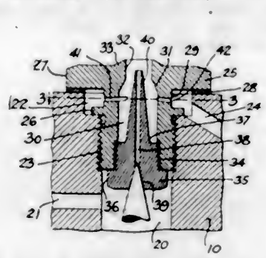


3. A permutation-belt for the purpose set forth equipped with a plurality of transversely disposed bars, and catch-members mounted on said bars and adjustable thereon transversely of the belt.

1,581,758. MECHANISM FOR CONTROLLING THE DISCHARGE OF LIQUID FROM RECEPTACLES. HOWARD I. MORRIS, Cleveland, Ohio, assignor to The Yoder Morris Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 16, 1921. Serial No. 462,072. 13 Claims. (Cl. 126—344.)

1. In mechanism of the class described, the combination with a liquid receptacle and means for heating the liquid therein, of a discharge conduit from said receptacle, a discharge valve in the said conduit, automatic means actuated by pressure of vapor generated in the receptacle, arranged to open the valve to permit flow through the discharge conduit, and manually controlled means for governing the discharge flow irrespective of the operation of the said automatically actuated means.

1,581,759. NEBULIZER. ALBERT W. MORSE, Long Island City, N. Y. Filed Sept. 13, 1924. Serial No. 737,584. 3 Claims. (Cl. 158—78.)

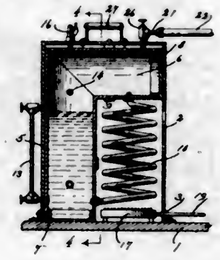


3. In a liquid fuel burner, the combination of a body casing having a fuel connection and an air connection, a valve for the fuel, a nebulizer comprising a structure having a cylindrical chamber in its center with a nebulizing outlet at one end and transverse air inlet orifices through its walls, and a nozzle for the fuel at the other end of the said chamber and extending into its nebulizing outlet, the said nozzle having a seat for the said valve, and an annular recess in the body casing at its discharge side, surrounding the outer terminals of the said air inlet orifices, the said body casing having a passage connecting the said recess and the said air connection, the said nebulizer having a relatively small flange making a tight joint with the bottom of the said recess and a relatively large flange making a tight joint with the casing, the outer terminals of the said air inlet orifices being located between the said small and large flanges of the nebulizer.

1,581,760. PORTABLE STEAM GENERATOR. BERRY C. MOXLEY, Hoquiam, Wash. Filed Mar. 25, 1924. Serial No. 701,797. 1 Claim. (Cl. 122—250.)

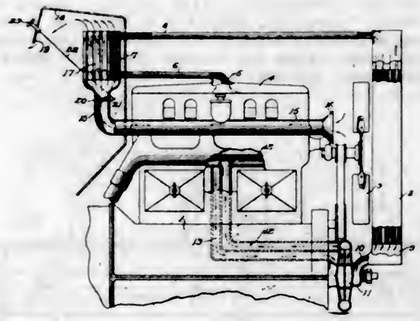
A steam generator comprising a casing, a water receptacle having angularly disposed end portions one

end portion being vertically disposed in the casing and the other end portion horizontally disposed in the casing, one vertical wall of the vertically disposed end portion engaging one side of the casing and the end wall of the horizontally disposed end portion engaging the opposite side of the casing, the surface of the casing being spaced from the remaining side portion of the water receptacle to form a combustion and heating chamber, a coil located in the combustion chamber and connected at



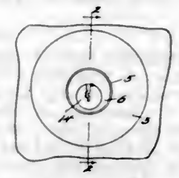
one end with the lower portion of the vertically disposed end portion of the water receptacle and connected at its other end with the end portion of the horizontally disposed end of the water receptacle, a heater located in the combustion chamber below the coil, a water inlet pipe connected with the lower portion of the vertically disposed end of the water receptacle and a steam outlet pipe connected with the upper portion of the horizontally disposed end portion of the water receptacle.

1,581,761. HOT-AIR HEATER FOR AUTOMOBILES. WELLINGTON W. MUIR, Lockport, N. Y. Filed Feb. 15, 1922. Serial No. 536,826. 3 Claims. (Cl. 237—12.3.)



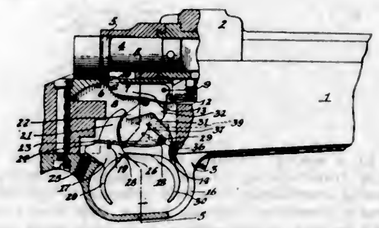
1. In a hot air heater for automobiles the combination of an engine jacket adapted to develop a hot fluid; a radiator; means for passing air through said radiator to cool said fluid and incidentally to heat the said air; a second radiator located within the automobile; connections between the said radiators and the said jacket to convey the hot fluid from the jacket to and through the said radiators, said second radiator adapted to further heat a portion of said air from said first named radiator; means for conveying said portion of said heated air to the second radiator; and means for controlling the flow of heated air to the interior of the automobile.

1,581,762. LOCK FOR FILLER CAPS. HUGH R. MURCHISON, Columbia, S. C. Filed Aug. 12, 1925. Serial No. 49,808. 4 Claims. (Cl. 70—90.)



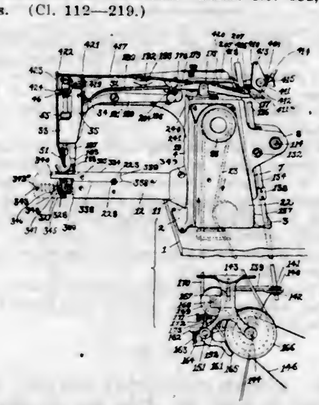
1. A lock for filler caps comprising a locking cam mounted within the cap and adapted to engage and bind against the inner surface of the filler nipple, and a key operated lever within said cap in constant engagement with said cam to move the cam into and out of contact with the inner face of the filler nipple.

1,581,763. FIRING-TRIGGER MECHANISM FOR FIREARMS. CHARLES NEWTON, Buffalo, N. Y. Filed June 27, 1924. Serial No. 722,727. 10 Claims. (Cl. 42—69.)



2. A firing mechanism for firearms comprising a firing head having a bent, a sear engaging said bent, a firing trigger, and a firing hammer located in front of said firing trigger and being operatively associated with said sear for releasing the same from said bent.

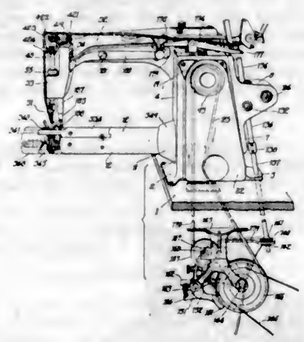
1,581,764. SEWING MACHINE. JOHN P. WEIS, Nyack, N. Y. Filed June 28, 1921. Serial No. 481,032. 42 Claims. (Cl. 112—219.)



1. In a sewing machine, the combination of a rotary shaft, stitch forming mechanism operated thereby, stop clutch mechanism for starting and stopping said shaft and including a shiftable stop lever, a presser foot, a presser foot lifting lever, a power transmitter for transmitting power to said shaft and including clutch means,

treadle means for operating said clutch means and said lifting lever, and having a lost motion connection with said stop lever for operating the latter subsequent to the operation of said clutch means and said lifting lever.

1,581,765. LUBRICATING MECHANISM FOR SEWING MACHINES. JOHN P. WEIS, Nyack, N. Y., assignor of one-half to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Original application filed June 28, 1921, Serial No. 481,032. Divided and this application filed Dec. 4, 1923. Serial No. 678,398. 34 Claims. (Cl. 112—256.)



1. In a sewing machine, the combination of a supporting trunk having at the top thereof a forwardly extending overhanging arm and adjacent to the bottom thereof a forwardly extending hollow work arm, a shaft carried by each of said arms, a main drive shaft located in the trunk in a horizontal plane and spaced below one and above the other of said shafts, said trunk forming a single chamber for carrying oil and enclosed against leakage, an oil reservoir above said main drive shaft, a plurality of condnits for supplying oil from the reservoir to different parts of the main drive shaft, a pump extending into said trunk adjacent to the bottom thereof, a conduit from said pump to said reservoir, and means for operating the pump.

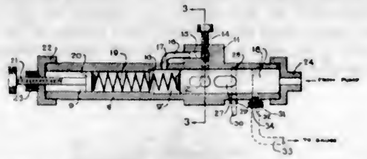
1,581,766. PROCESS OF COATING INCANDESCENT LAMP BULBS. JAMES BRYANT WHITMORE and JOHN EBLING FERGUSON, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 19, 1921. Serial No. 453,734. 4 Claims. (Cl. 91—70.)

1. The process of providing a glass bulb of an incandescent electric lamp with a translucent coating which consists in spraying thereon a coating comprising a water solution of commercial sodium silicate, and a filler, and in heating the coating to a temperature approximately between 125° and 250° centigrade to unite the coating to the bulb and render it resistant to atmospheric conditions.

3. An incandescent lamp bulb having a coating thereon comprising sodium silicate and a filler united to the bulb by a heat treatment.

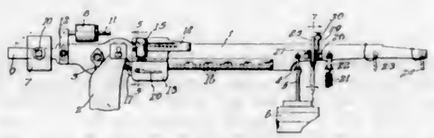
1,581,767. ENGINE PROTECTIVE DEVICE. DAVID E. WHITSON, St. Louis, Mo. Filed Mar. 28, 1924. Serial No. 702,707. 1 Claim. (Cl. 123—146.5.)

In combination with an internal combustion engine provided with a fuel supply pipe and a pressure lubrication system, a housing connected in the fuel supply pipe, said housing having a fuel intake and a fuel discharge port, a ported plunger operative in said housing across said ports to normally close same, means for conducting the pressure in the lubrication system to the plunger to actuate the same, means for resisting said pressure to a certain amount, said plunger being adapted to move



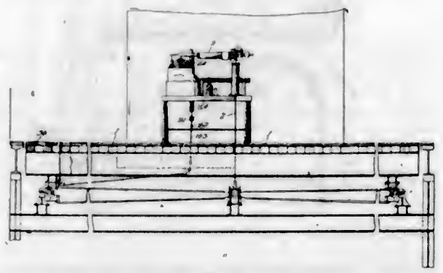
to a position for bringing into register its port and the aforesaid fuel intake and discharge ports at an applied pressure in excess of said certain amount, and means for draining from the housing any lubricant that may escape past the plunger.

1,581,768. SCALE BEAM. GEORGE G. WILEY, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1923. Serial No. 681,536. 6 Claims. (Cl. 265—49.)



1. In a weighing scale a beam pivotally supported intermediate its ends and formed on one side rearwardly of its pivot with a vertical groove, an adjustable, vertically disposed slotted post mounted in said groove, extending above and slidably connected to the beam, a shank carried by and disposed at right angles to the upper portion of the post and capable of extending towards and from the pivot of the beam on the adjusting of the post, and a counter-poise carried by the stem.

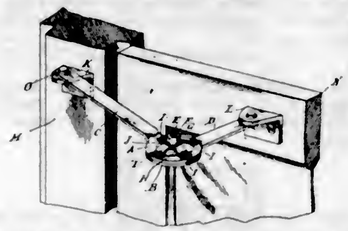
1,581,769. RECORDING TRACK SCALE. GEORGE G. WILEY, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1924. Serial No. 692,647. 30 Claims. (Cl. 265—9.)



1. A track-scale including a scale beam a printing element associated with the scale-beam for positioning thereby, a printing plunger associated with said element, springs associated with said plunger for projecting the same against said element and partially retracting the same, respectively, trip mechanism associated with said plunger for holding the same in position relatively to the projecting spring to maintain the latter under tension, a track-lever operatively associated with said trip-mechanism for alternately releasing and resetting said plunger, a record-receiving tape adapted for intermittent

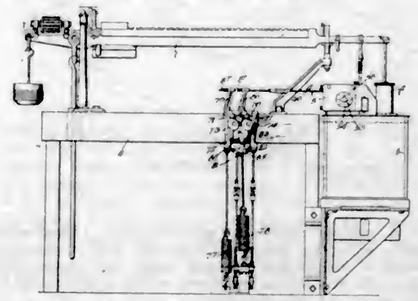
travel between said printing element and said plunger and mechanism operatively associated with said track-lever and said tape and intermittently released by said trip mechanism for effecting predetermined travel of said tape following each printing stroke of said plunger.

1,581,770. FRICTIONAL SWING-SASH LOCKING FIXTURE. GEORGE G. WILEY, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 15, 1924. Serial No. 732,162. 1 Claim. (Cl. 292—263.)



A swing-sash fixture comprising two circular disks having oppositely dished central portions and central openings, a pivot bolt passing through said openings, a plural-armed flat spring having a central opening for the passage of the threaded shank of said bolt and bearing at the ends of its arms upon the peripheral portion of one of said disks, a nut on said bolt for adjusting the pressure exerted by said spring and retaining the same in position a radial arm integral with and extending from the circumferential edge of each of said disks and slightly offset from the plane of the contacting faces of said disks to permit said arms to overlap without coming into contact with each other, one of said arms being about twice the length of the other thereof, a bracket adapted to be mounted on a window casing, and a bracket adapted to be mounted on a sash, the longer arm pivotally connected with the first named bracket and the shorter arm with the other bracket, the latter adapted to be mounted on the sash to occupy a position between the disks and the bracket mounted on the casing.

1,581,771. AUTOMATIC RECORDING TRACK SCALE. GEORGE G. WILEY, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1925. Serial No. 14,845. 14 Claims. (Cl. 265—9.)

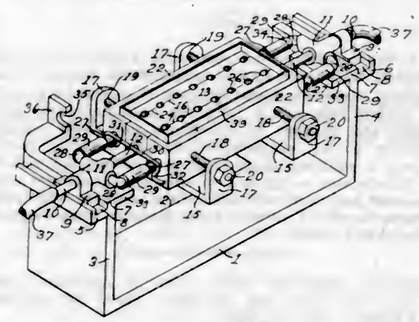


1. In a weighing scale of the kind specified, weight recording control means including two independently operable mechanisms, each having a main shaft, the said shaft of one thereof being hollow and the shaft of the other thereof projecting at one end through said hollow shaft, weight printing means associated with one of said mechanisms for actuation thereby, means included in the other of said mechanisms for preventing actuation of said printing means, and manually operable devices associated with said shaft for indicating the relative positions of said respective mechanisms and setting or actuating the same.

1,581,772. PUZZLE. FRANK E. WILLIAMS, St. Louis, Mo. Filed Feb. 6, 1924. Serial No. 690,928. 10 Claims. (Cl. 273—115.)

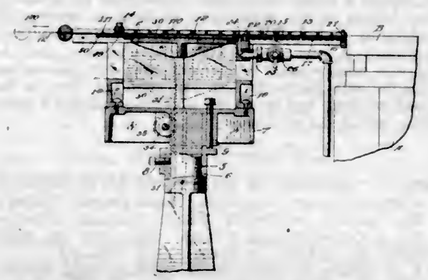
1. As a new article of manufacture, a puzzle comprising a block of palatable material provided with a recess thereon, and a confection movable in the said recess.

1,581,773. APPARATUS FOR MOLDING. FRANK E. WILLIAMS, St. Louis, Mo. Filed Apr. 26, 1924. Serial No. 709,295. 12 Claims. (Cl. 18—42.)



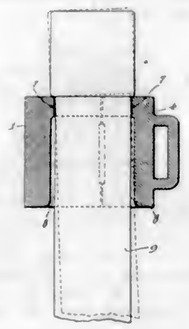
2. In a molding apparatus, the combination of a support, a member mounted thereon for back and forth movement, a mold pivoted to the said member, means to lock said mold against turning when said member is in its extreme forward position, means to lock said mold against turning when said member is in its extreme rear position, a floor arranged to be under the said mold, when said member is in its forward position, and a container arranged to be under the said mold when said member is in its rear position.

1,581,774. TILE CLEANING AND STACKING MACHINE AND METHOD. EDMUND W. ZEH, Newark, N. J. Filed Sept. 24, 1924. Serial No. 739,541. 15 Claims. (Cl. 25—1.)



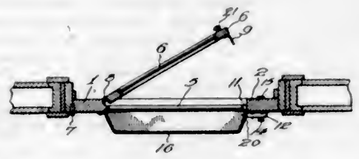
1. The method of removing surplus dust from unfired tile, consisting in successively shaking the tile to loosen the surplus dust thereon and pneumatically removing said dust.

1,581,775. CASING ELEVATOR. LEWIS E. ZEANE, Moneta, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Mar. 20, 1922. Serial No. 545,102. 1 Claim. (Cl. 294—90.)



A well casing elevator comprising a body and a gate hingedly united and having complemental concave inner surfaces operative, when the gate is closed, to provide a vertical bore, and a latch for maintaining the gate closed and operable to release the gate, said concave surfaces having complemental flanges extending downwardly a relatively short distance from the top surface of the elevator to define a smooth-surfaced interior bore diameter and to provide diametrical clearance below said flanges to permit tilting of the elevator while engaged with a well casing.

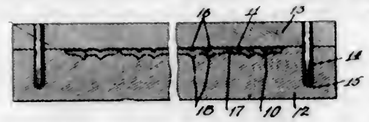
1,581,776. SERVICE DOOR. OTTO A. ALTSCHUL, Chicago, Ill. Filed Aug. 16, 1924. Serial No. 732,388. 4 Claims. (Cl. 20—16.)



2. In combination, a main door having a large central stationary panel displaced out of the plane of the door to produce a recess in one side of the door, an auxiliary door hinged to the main door to form a closure for said recess, a keeper secured to the auxiliary door and positioned in the recess when the auxiliary door is closed, a latch secured to the main door and cooperating with the said keeper to lock the auxiliary door in its closed position, and means for operating said latch from either side of the main door.

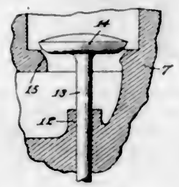
1,581,777. METHOD OF MANUFACTURE OF RUBBER WINDOW-GLASS CHANNEL. REES BEYNON, Chicago, Ill., assignor to Dryden Rubber Company, Chicago, Ill., a Corporation of Illinois. Filed July 20, 1923. Serial No. 652,786. 6 Claims. (Cl. 154—2.)

1. A method of making rubber window glass channel including compressing together and partially vulcanizing a sheet of rubber and a sheet of fabric between two molds, one of said molds having ridges adapted to subdivide the sheet into strips and the other having ridges adapted to produce lines of fold in such strips, the first mold also having grooves opposite to the ridges on the second mold, then cutting the sheet along the lines of



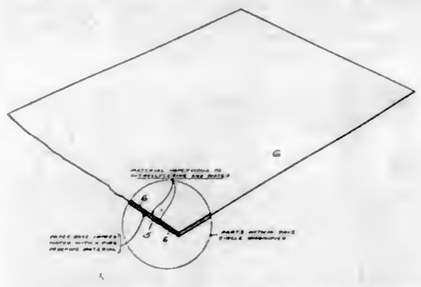
subdivision and finally bending the strip along such lines of fold into channel form and completing the vulcanization.

1,581,778. VALVE DEVICE. HENRY E. BLOMGREN, Brooklyn, N. Y. Filed Aug. 26, 1920. Serial No. 406,189. Renewed Dec. 12, 1924. 2 Claims. (Cl. 251—144.)



2. In an internal combustion engine, the combination with a valve seat having a curved conformation, of a valve adapted to seat within said valve seat and having a curved conformation, said valve and seat having contact substantially only along a line, whereby said valve and seat may accommodate each other for wear, for improper alignment and for distortion due to temperature changes.

1,581,779. WATERPROOFED, FIREPROOFED PAPER AND METHOD OF MAKING THE SAME. MILLARD BRANDT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 22, 1925. Serial No. 4,123. 4 Claims. (Cl. 91—68.)

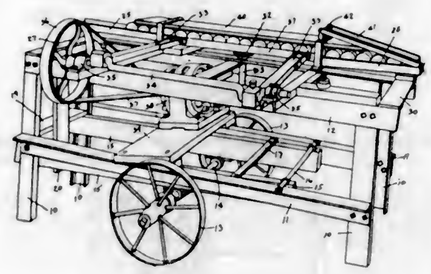


2. A water-proofed, nitroglycerin-proof, fire-proofed flexible wrapping paper, impregnated with a material capable of fire-proofing the said paper, and coated with a thin film of a flexible substance which is impervious to both water and nitroglycerin.

1,581,780. SHAKER FOR CANNED PRODUCTS. EDWARD E. BRASS, Petersburg, Ill. Filed Mar. 13, 1925. Serial No. 15,299. 4 Claims. (Cl. 259—59.)

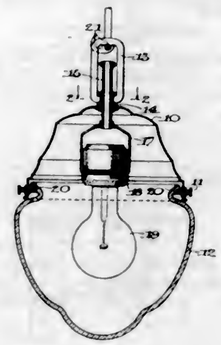
1. A shaking machine for canned goods, comprising a frame, a shaking member for receiving canned goods movably mounted on said frame, power driven means

connected with said member for causing the same to be agitated and reciprocated thereon, a trough pivoted at one end and having its free end connected with said shaking member for feeding the canned goods thereto,



and a discharge trough pivoted at one end to said frame and having its free end connected with the discharge end of said shaking member for receiving the canned goods therefrom.

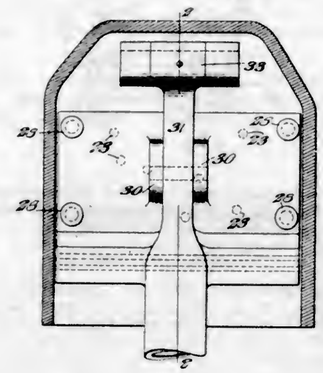
1,581,781. LIGHTING-UNIT HOLDER. CHARLES A. BRIDGES and ALEXANDER K. SUTHERLAND, Milwaukee, Wis., assignors to Moe-Bridges Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 26, 1923. Serial No. 653,920. 1 Claim. (Cl. 240—78.)



A lighting unit holder comprising a metal shell, a bushing swiveled therein, a chain having its end link split with its ends pivotally mounted in diametrically opposite openings of the bushing, a tubular stem slidably passing through the bushing, a set-screw threaded in the bushing for clamping the tubular stem in its adjustments, a yoke threaded on the stem and provided with inturned ends, a sign receptacle clamped on the inturned ends of the yoke, a lamp contained in the sign receptacle, and a globe secured to the shelf.

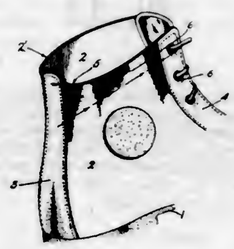
1,581,782. CARD-PUNCH MECHANISM. JAN BÜCHTER, Berlin, Germany, assignor to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 14, 1925. Serial No. 75,383. 2 Claims. (Cl. 164—91.)

1. Identification means for movable carrier, comprising a casing to be attached to a carrier, a card receiving die therein and accessible only by cards inserted through an opening in a wall of the casing, a manually operable punch within said casing for perforating a card in said die, and an operating handle on said punch extending



through a wall of the casing, said wall being formed to permit free movement of the handle without exposing the interior of the casing save for the card receiving opening.

1,581,783. SHOE. HUGH BULLOCK, Andover, Mass., assignor to Converse Rubber Shoe Co., a Corporation of Massachusetts. Filed Nov. 25, 1924. Serial No. 752,215. 1 Claim. (Cl. 36—45.)

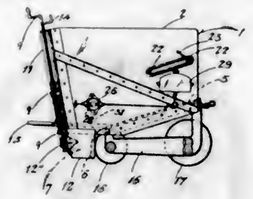


An ankle height shoe having an upper of woven material with substantially vertical and horizontal threads, a back-stay, front stays each provided with a series of fastening means, the top of the upper adjacent the front stays being in substantially the same horizontal plane as the top of the upper adjacent the rear stay, opposite sides of said upper being provided with cut-out portions which have their greatest depth extending below the horizontal threads of the woven material opposite the upper fastening means of the series, whereby a bias pull is applied upon a portion of the back-stay below the upper edge thereof.

1,581,784. DEVICE FOR SPREADING ASPHALTIC CONCRETE. MARK M. BUTLER, Los Angeles, Calif. Filed Feb. 10, 1925. Serial No. 8,207. 20 Claims. (Cl. 94—46.)

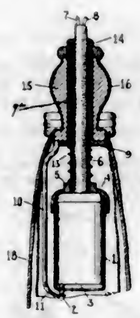
1. An apparatus for spreading hot materials comprising a receiver for the materials, having a rearwardly inclining bottom and a rear wall at an angle to the vertical,

the bottom of said rear wall spaced from the bottom of said receiver to provide a discharge throat, means



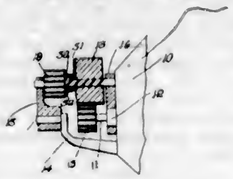
movable on said rear wall to control the transverse area of said throat, and rollers arranged in pairs supporting said receiver above the surface operated over.

1,581,785. ELECTRIC SWITCH. GEORGE W. CASSIDY, New York, N. Y. Filed Mar. 7, 1924. Serial No. 697,459. 7 Claims. (Cl. 200—172.)



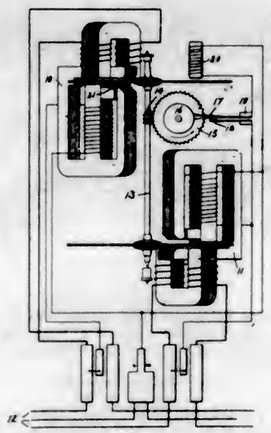
1. The combination with a pull switch of a conduit mounted on said switch, a disc slidably mounted on said conduit, a downwardly depending arm secured to said disc, said arm being connected to the chain of said switch, a spring intermediate the switch and the disc, a detent on said conduit to prevent the movement of said disc beyond a predetermined point.

1,581,786. STARTING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. RALPH H. CHILTON, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Nov. 16, 1920. Serial No. 424,572. 7 Claims. (Cl. 74—7.)



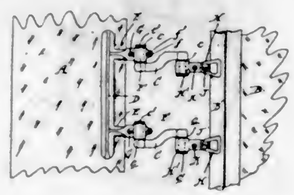
5. In a drive mechanism, the combination of a motor having a shaft; a pinion fixed to the shaft; a stub shaft rotatably mounted relative to said pinion; a plurality of gears mounted on said stub shaft having a yielding driving connection therein between; said pinion and one of said gears being enmeshed with each other.

1,581,787. REVERSIBLE INTEGRATING INSTRUMENT. ZALMANN CIFFRINOWITSCH, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed July 27, 1923. Serial No. 654,251. 5 Claims. (Cl. 171—34.)



4. In an electrical measuring instrument of the integrating type, means for producing a substantially constant torque and means dependent upon the direction of rotation of said instrument for energizing said torque producing means.

1,581,788. SIDE-SCREEN ATTACHMENT FOR THE WEATHER SHIELDS OF MOTOR VEHICLES. CLAUDE VINCENT CORNFORTH, Wellington, New Zealand. Filed Oct. 2, 1924. Serial No. 741,177. 1 Claim. (Cl. 296—89.)

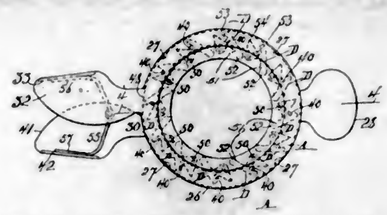


In side screen attachments to the weather shields of motor vehicles, a pair of clamping bars arranged to extend one up each face of the screen, near its inner edge and in a coincident position with the other bar, and each formed with lateral extensions near the respective upper and lower ends that project coincidently with those of the other bar beyond the screen edge and form between their ends a vertically extending journal bearing, and a clamping screw passing laterally through both extensions to cause the bars to grip the screen between them, in combination with pivoting means engaging in such journal bearings and pivotally attached to the shield edge, substantially as specified.

1,581,789. EGG OPENER. ARTURO CRISCI, New York, N. Y. Filed Sept. 15, 1923. Serial No. 662,878. 3 Claims. (Cl. 146—2.)

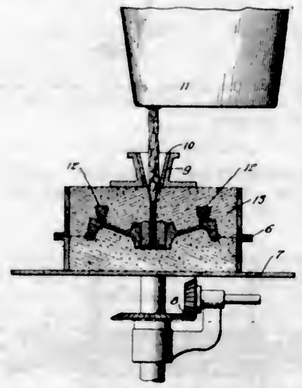
1. In an egg-opener the combination of an annular disc adapted to have an egg located in its opening, a plurality

of knives each with a tooth hinged to said disc, a movable member in the egg opener having projecting lugs,



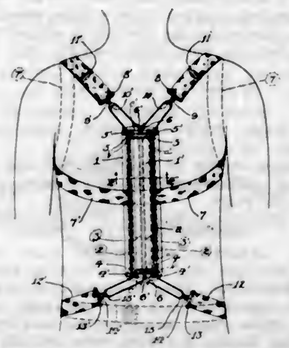
said lugs adapted to contact with the knives, and thereby simultaneously swing said knives with their teeth.

1,581,790. CASTING AND METHOD OF PRODUCING THE SAME. JAMES CAREY DAVIS, Hinsdale, Ill. Filed Nov. 13, 1922. Serial No. 600,656. 34 Claims. (Cl. 22—65.)



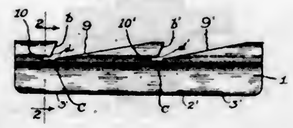
1. The method of casting car wheels which includes introducing molten metal into a mold and then rotating the mold after pouring so as to impart centrifugal motion to the molten metal to force it outwardly to the confines of the mold to an extent sufficient to densify the metal of the periphery of the casting.

1,581,791. BODY AND SHOULDER BRACE. ELWIN T. DAVISON, Athenia, N. J. Filed Feb. 5, 1925. Serial No. 6,998. 3 Claims. (Cl. 2—44.)



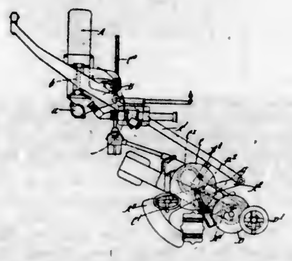
1. In a brace of the character described, the combination comprising a pad support, flexible means for stiffening the same longitudinally, means for positioning the said support on the back of a wearer including a plurality of shoulder straps, each of said straps being anchored by one of its ends directly to said pad support, and the other end of each strap being secured to said support and being capable of automatic adjustment with respect thereto, an abdominal band and equalizer means interconnecting the free ends of said shoulder straps and the abdominal band with said support, whereby the said brace automatically accommodates itself to body movements.

1,581,792. CUTLERY SHARPENER. ELWIN T. DAVISON, Athenia, N. J. Filed Mar. 19, 1925. Serial No. 16,660. 2 Claims. (Cl. 76—82.)



1. In a sharpener for cutlery, the combination comprising a body member having a chamber therein for receiving an abrasive implement, a superstructure above said chamber, said superstructure being rigidly secured to said body member and being slotted to form a recess which has an inner rear wall and sloping entrance walls, one of which entrance walls projects substantially less than 45° with respect to the upper face of an abrasive implement when mounted in said body member and at a proper angularity to guide a knife blade against such abrasive implement in order to most effectively sharpen the same and another wall of said recess extending at an angle to the aforesaid wall and serving as a guide for the blade of a pair of scissors during the sharpening operation so as to maintain such blade at a predetermined angularity in respect to said abrasive implement and the lower edge of said wall being adapted to engage the side of a knife blade when the latter is being sharpened in said sharpener and to thereby prevent the cutting edge of said knife blade engaging a wall of said recess during the sharpening thereof.

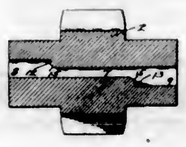
1,581,793. SIGHTING APPARATUS FOR ANTIAIRCRAFT ORDNANCE. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, assignors to Vickers Limited, Westminster, London, England. Filed May 15, 1922. Serial No. 561,042. 11 Claims. (Cl. 33—48.)



1. In sighting apparatus for anti-aircraft ordnance, the combination of a sight mounted to move laterally at all angles of elevation in a plane containing the sight line, lateral deflection gear for moving the sight in the said plane, vertical deflection gear for effecting relative movement between the gun and the sight in the vertical plane, an adjustable element appertaining to the vertical deflection gear and means whereby the adjustment of the

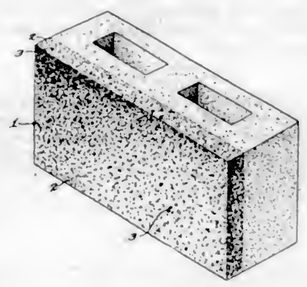
sight by said lateral deflection gear operates to move said element in accordance with the correction to be given to the vertical deflection setting to compensate for the complementary error in the said setting.

1,581,794. PROCESS OF AND APPARATUS FOR FORMING WIRE TIES. HUGH DE HAVEN, Jr., San Francisco, Calif., assignor to Ti-It Machine Company, San Francisco, Calif., a Corporation of California. Filed June 15, 1921. Serial No. 477,645. 4 Claims. (Cl. 140—115.)



1. The method of securing wires together, which comprises disposing said wires in overlapping relation, holding said overlapping wires at spaced points, rotating the two wires bodily intermediate said held portions whereby two twists are produced and forming said twists so that one twist is disposed wholly below the upper surface of the wire at the intermediate untwisted portion and the other twist is disposed wholly above the lower surface of the wire at the intermediate untwisted portion.

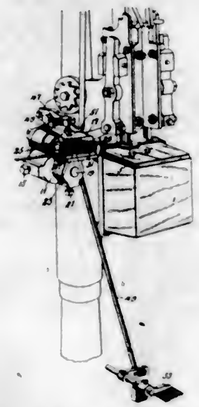
1,581,795. ACOUSTIC FINISH FOR INTERIORS OF BUILDINGS AND METHOD OF MAKING THE SAME. JOHN HENRY DELANEY, Los Angeles, Calif. Filed Dec. 24, 1925. Serial No. 77,631. 7 Claims. (Cl. 18—60.)



2. A sound absorbing finish consisting of a coating consisting of material having a gypsum base; lumps of coarsely porous mineral material; water; and lumps of material adapted to produce effervescence in the mixture when applied to the surface.

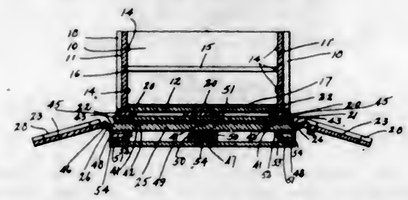
1,581,796. HOOP GUIDE. JOHN EKLUND, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a Corporation of Michigan. Filed June 29, 1923. Serial No. 648,561. 14 Claims. (Cl. 1—13.6.)

8. A hoop guide for basket stapling machines, comprising a casting secured to the frame of the machine, a rock shaft revoluble in the casting, a hoop guide finger turning on the rock shaft, a guiding flange for the hoop on the casting, a lug on the guide finger normally extending below the guiding flange, an extension on the guide finger which bears against the hoop, a spring for holding the guide finger with said lug down and the extension in engagement with the hoop, and means for raising the said extension above the form and swinging



the lug away from the guiding flange, thereby permitting the operator to remove a finished basket and insert a new hoop into the guide.

1,581,797. CONCRETE-BLOCK MAKING. GEORGE FEY, Tamaqua, Pa. Filed Oct. 6, 1925. Serial No. 60,714. 11 Claims. (Cl. 25—121.)



1. In mechanism for moulding concrete blocks, the combination of a mould having movable walls, and supporting means for the mould comprising abutment members for holding the walls of the mould from movement and to cause the mould to retain the concrete placed therein, and catches for locking adjacent abutments to each other at the corners of the mould, said catches including movable spring actuated members which are arranged to actuate said abutments toward each other, said catches being opened when a force superior to said springs is exerted on the abutments against which the members bear to move said members out of locking position.

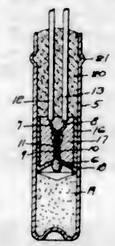
1,581,798. TOPICAL REMEDY. SUSIE E. FRASIER, Seattle, Wash. Filed Oct. 20, 1923. Serial No. 669,711. 2 Claims. (Cl. 167—9.)

2. A topical remedy of the class described consisting of a ten per cent solution of phenol one part, and tincture of myrrh two parts.

1,581,799. ELECTRIC BLASTING CAP. HARRY L. GRANT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed July 22, 1925. Serial No. 45,327. Divided and this application filed Dec. 7, 1925. Serial No. 73,637. 4 Claims. (Cl. 102—10.)

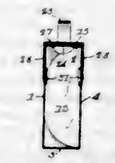
1. An electric detonator comprising a shell, a charge of explosive material therein, an electrical fuse head assembly, a tube of insulating material having an open upper

end and a closed lower end, in which the fuse head assembly is disposed, a body of sealing material filling said tube and binding the fuse head assembly therein, the lower end of the fuse head projecting through the bottom



of the tube and a water-proof sealing material within the shell above said tube, the exposed lower end of the fuse head being coated with a highly dielectric material to electrically insulate it from the charge.

1,581,800. COLLAPSIBLE BOX. HENRY HELLWEG, Milwaukee, Wis. Filed Apr. 18, 1921. Serial No. 462,119. 5 Claims. (Cl. 229—45.)

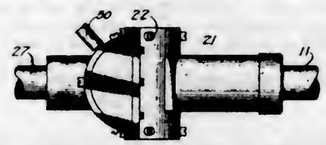


1. A collapsible box comprising bottom, side and cover members formed integrally and hinged together, the cover member formed with a side flap adapted to fold over the side member opposite that to which the cover member is attached, and a fastening and reinforcing member adapted to extend across the side cover flap and to fold over and interlock with the bottom and cover members.

1,581,801. CLEANING COMPOSITION. CHARLES T. HENSHALL and LESLIE I. COGGINS, San Francisco, Calif. Filed Aug. 8, 1923. Serial No. 656,459. 1 Claim. (Cl. 87—5.)

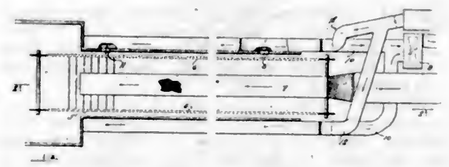
A composition of the character described, comprising a finely ground tobernite ore, (fifty per cent. by weight). twenty per cent, sodium perborate, twenty per cent. aluminum sulphate, ten per cent. powdered borax; the above being mixed with soap in the proportion of one-third to two-thirds by measure of soap.

1,581,802. UNIVERSAL JOINT. FRANK E. HOLMES and RUSSELL C. BLOOMFIELD, Pasadena, Calif., assignors to Frank E. Holmes and Russell C. Bloomfield, a Copartnership consisting of said Holmes and said Bloomfield. Filed Nov. 5, 1923. Serial No. 672,812. 7 Claims. (Cl. 64—91.)



1. A universal joint comprising: a housing having two hemi-cylindrical cavities therein, the axes of these two cavities being in planes at right angles to each other; two blocks, one fitting in one of said cavities and the other in the other of said cavities, said blocks having the same length as said cavities but being less than semi-cylinders; four semi-cylindrical projections, two extending into one of said cavities concentric with its axis and at each side thereof, and two extending into the other of said cavities concentric with its axis and at each side thereof, each pair fitting into a groove in one of said blocks; means for attaching a driving member to one of said blocks; and means for attaching a driven member to the other of said blocks.

1,581,803. METHOD OF CONTROLLING THE MOISTURE CONTENT OF LEATHER. EDWIN F. HULBERT, Milwaukee, Wis., assignor to Pfister & Vogel Leather Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 15, 1921. Serial No. 477,846. 9 Claims. (Cl. 34—24.)

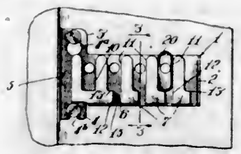


9. In the conditioning of heavy leathers to bring them to a definite moisture content, the process which comprises subjecting both sides of the hide to a flow of drying air at a temperature of 80 to 90 degrees F. with a relative humidity of 30 to 35 per cent for twelve to fourteen hours and then gradually raising the relative humidity of the drying air to 93 to 97 per cent and lowering the temperature of this drying air to 80 to 85 degrees F. and continuing to subject the hide to air in the last-named state for six to ten hours to insure uniform distribution of the moisture in the leather.

1,581,804. LUBRICANT. JESS D. KIMMEL and RALPH J. MCMAHON, Dayton, Ohio. Filed Aug. 8, 1923. Serial No. 656,458. 2 Claims. (Cl. 87—9.)

1. A lubricating compound consisting of a heavy lubricant as a base mixed with coarse cut wood fibre in average proportions of ten pounds of lubricant to one pound of fibre to effect a plastic compound.

1,581,805. CURTAIN-ROD AND WINDOW-SHADE-ROLLER BRACKET. CHARLES W. KIRSCH, Sturgis, Mich. Filed Aug. 6, 1925. Serial No. 48,482. 9 Claims. (Cl. 156—24.)

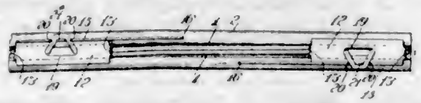


1. A bracket of the kind specified including a flange provided with a plurality of slots open at the top and varying in width, the upper end portion of each thereof being of greater width than the lower end portion and adapted to receive and support a drapery or curtain rod, the lower end portions of said slots adapted to receive and engage a terminal element of a conventional window-shade roller.

1,581,806. MASTER DRAPERY CARRIER FOR CURTAIN RODS. CHARLES W. KIRSCH, Sturgis, Mich. Filed Aug. 6, 1925. Serial No. 48,485. 3 Claims. (Cl. 156—20.)

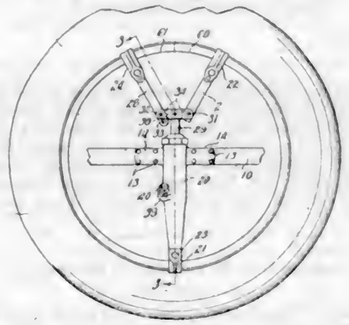
1. Drapery carriers for curtain rods adapted to be secured to the meeting edge portions of a pair of curtains or draperies and movable longitudinally of the rod, said carriers each having a projecting end portion to the

extreme of which a corner of the curtain or drapery is adapted to be secured, the said projecting end portions of a pair of said carriers being disposed in op-



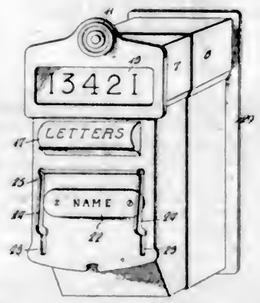
posed relation to each other for overlapping each other when the carriers are brought together to thereby effect an overlap of the meeting edges of the curtains or drapes.

1,581,807. COMBINED TIRE CARRIER AND RIM-EXPANDING TOOL. RALPH KOLARIK, JOHN C. WENDLING, EMIL M. BAHNIK, and DAVID A. DAVIES, Cleveland, Ohio. Filed Oct. 16, 1922. Serial No. 594,724. 15 Claims. (Cl. 224—29.)



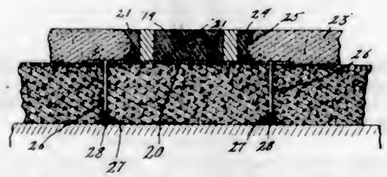
1. A tool of the character described, comprising in combination three arms adapted to engage a rim, each of the arms having rim engaging clamps carried thereby, two of the arms being movable relatively to the third, and mechanism adapted by one continuous movement to move one of the movable arms alone to break the joint, and thereafter to move that movable arm and the other movable arm simultaneously to collapse the rim.

1,581,808. LETTER BOX. THOMAS C. MCKEE, Sr., East Cleveland, Ohio. Filed Oct. 20, 1923. Serial No. 669,765. 1 Claim. (Cl. 232—33.)



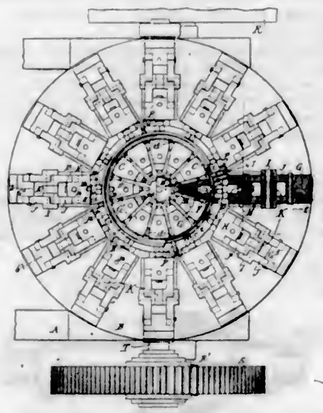
The combination, of a letter box adapted for positioning in a wall and opening through each side of said wall, of front and back closure plates carried by the box, a door carried by the back plate, said front plate having a pair of horizontally spaced vertically extending slots near its lower end, a substantially inverted U-shaped bracket, arms formed upon the lower ends of the sides of said bracket and extending through the slots, said arms being pivotally mounted upon the inner side of the front plate, spring means for snugly engaging the upper end of the bracket with the front plate and fingers carried by the said arms, and adapted to normally close said slots and to move outwardly from the plate to serve as a signal when the bracket is supporting an article.

1,581,809. ROAD MARKER. JAMES RAYMOND O'BRIEN, Chicago, Ill. Filed Sept. 10, 1925. Serial No. 55,455. 4 Claims. (Cl. 94—1.5.)



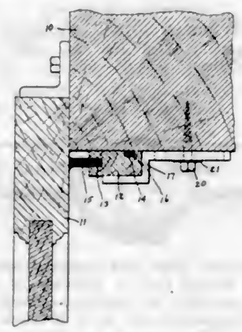
1. A road marker embodying a block like body portion, the upper surface thereof being substantially flat, and an anchor plate upon which the block rests, the lower face of the block and the said plate being secured together, the said plate projecting beyond the block to form flanges continuous throughout the length of the respective adjacent upright surfaces of the block, said block being adapted to be embedded in the pavement so that the pavement will rest upon the said flanges and thereby anchor the block for yielding movement with the pavement, the top of the said block being normally flush with the upper surface of the adjacent portion of the pavement.

1,581,810. MACHINE FOR PUNCHING OR SWAGING RIMS OR THE LIKE. ISAAC PATRICK, New York, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed July 2, 1924. Serial No. 723,727. 23 Claims. (Cl. 164—90.)



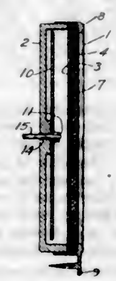
1. In a machine for punching rims or the like, a plurality of radially-acting floating punches arranged radially around the rim, each comprising two opposed punch elements, and means for operating these punch elements in dynamic balance so that each reacts upon the other to punch the rim with equal stress on opposite sides.

1,581,811. SEALING CONSTRUCTION. FREDERICK W. RUBIN, Indianapolis, Ind. Filed Feb. 2, 1925. Serial No. 6,353. 4 Claims. (Cl. 20—69.)



1. The combination with a wall member and an adjacent closure member, of a sealing construction for the same including a plurality of articulated supporting bases, a joint between adjacent ends of a pair of said supporting bases, sealing means carried by said supporting bases, said joint having co-operating portions intermediate the ends of said supporting bases for engaging the end projecting portions of the sealing means and maintaining the same in sealing position.

1,581,812. TEMPERATURE INDICATOR. MICHAEL W. RYAN and MICHAEL UTTENDORFER, Seattle, Wash. Filed Aug. 3, 1922. Serial No. 579,339. 1 Claim. (Cl. 73—52.)

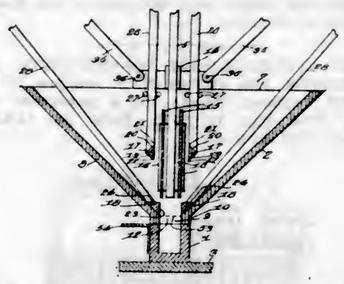


In a temperature indicator, a casing having a plate with openings in it, a disc with graduations and words thereon to indicate different stages of temperature, said gradnations and words being arranged so that they may be read through the openings in the said plate and said disc having a slot in its center, a thermostatic element, a suitable casing for said thermostatic element, a rod attached to said thermostatic element and extending through said casing, said rod having its opposite end flattened and extending into the slot in the center of the disc.

1,581,813. DECORATIVE FINISH AND PROCESS OF OBTAINING SAME. WALTER M. SCHMITT, Evansville, Ind. Filed Apr. 11, 1924. Serial No. 705,932. 6 Claims. (Cl. 91—68.)

1. The process of forming a decorative finish for wood including coating the article to be finished by dyeing and mordanting the same, and applying thereto a mellowing coat including gallic and benzoic acids.

1,581,814. MACHINE FOR MAKING CONCRETE PRODUCTS. EDWARD J. SCHUH, Spokane, Wash. Filed Feb. 28, 1923. Serial No. 621,813. 15 Claims. (Cl. 20—103.)

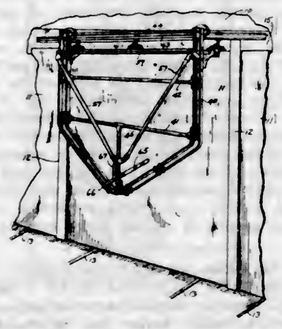


1. A device for rapidly feeding concrete mud into a mold, comprising in combination, a mold, a hopper in delivering relation to said mold, a tamper movable through said hopper into said mold to tamp the mud therein, and sets alternately movable of feeders on opposite sides of said tamper for substantially continuously advancing the mud toward the latter.

1,581,815. MECHANICAL TOE-MOVEMENT DEVICE FOR ARTIFICIAL LIMBS. ALEXANDER D. SCULLY, New York, N. Y. Filed July 8, 1925. Serial No. 42,198. 3 Claims. (Cl. 3—6.)

1. In a mechanical toe movement device, the combination with a flexible metal plate, a wire spring attached to said plate, a plurality of loops formed on said wire, wear resisting plates attached to said metal plate, and means to attach said plates to the bottom surface of an artificial foot.

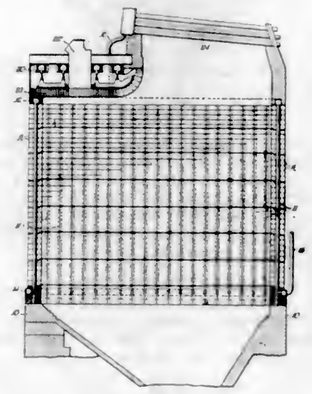
1,581,816. DOOR CARRIER. ORVILLE F. SHATTUCK, Indianapolis, Ind. Filed Oct. 17, 1925. Serial No. 63,106. 13 Claims. (Cl. 212—4.)



1. The combination with a structure having a door opening, a removable door, a track extending horizontally above the door opening, and a detachable carriage travelling on said track and adapted to pick up the door and

support it while open and return it to closing position, of relatively wide hanger bars secured to the top of the door, and relatively narrow upwardly and outwardly extending hanger hooks secured to the structure in position to receive the hanger bars and support the door, substantially as set forth.

1,581,817. FURNACE-WALL CONSTRUCTION. FRANK I. SHEAHAN, East Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1925. Serial No. 14,848. 12 Claims. (Cl. 122—6.)



1. A furnace wall structure comprising tubular column members, wall sections independently supported thereon in collateral and superimposed relationship, and connections for circulating water through the column members.

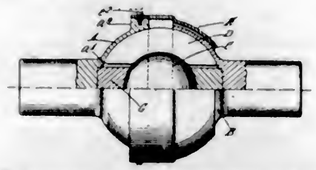
1,581,818. COVER RETAINER. WASHINGTON KYLE SHEFFIELD and ALBERT J. HORTON, New London, Conn.; said Horton assignor to said Sheffield. Filed Jan. 23, 1923. Serial No. 614,426. 4 Claims. (Cl. 221—60.)

1. The combination with the neck of a container and a removable closing cap for the neck, of spring clips each having arms connected at their inner ends by a loop portion of the clip and spaced apart at their outer ends, the arms of one clip being claspingly engageable around the neck of the container and the arms of the other clip being claspingly engageable around the cap of the container, and a series of members flexibly connected to form a chain, adjacent flexibly connected members of said chain at one end of the chain being removably engageable with the loop portion of the clip which engages said neck and adjacent flexibly connected members of said chain at the opposite end of the chain being removably engageable with the loop portion of the clip which engages said cap.

1,581,819. PROCESS OF MANUFACTURING SODIUM FLUORIDE FROM SILICOFLUORINE COMPOUNDS. WILHELM SIEGEL, Berlin-Charlottenburg, Germany. Filed May 9, 1925. Serial No. 29,223. 6 Claims. (Cl. 23—88.)

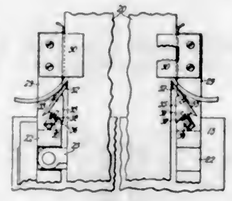
1. The process of obtaining sodium-fluoride, which consists in treating potassium silico-fluoride with an alkaline potassium compound, separating the potassium-fluoride obtained from the silicic acid formed, treating the potassium-fluoride with a sodium compound, thereby changing the potassium-fluoride into sodium-fluoride, and separating the latter from the potassium compounds.

1,581,820. UNIVERSAL JOINT. NICHOLAS STAUSSLER, London, England. Filed Jan. 24, 1924. Serial No. 688,165. 9 Claims. (Cl. 64—96.)



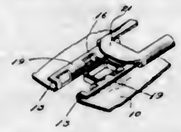
1. In a universal joint, two opposing relatively movable members having each a plurality of radial slots therein and a plurality of resilient segments registering in said slots to transmit the drive, the said radial slots being arcuate at those parts of their boundaries which are remote from the joint center.

1,581,821. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 26, 1921, Serial No. 448,047. Divided and this application filed Oct. 16, 1924. Serial No. 743,894. 8 Claims. (Cl. 197—126.)



1. In a typewriting machine having a carriage, and a platen over which a fanfold web may be fed, the combination with a reciprocating carbon-carrier controlling carbon inlays between the plies of the web, of a circular cutter traveling with the carrier and effective to trim off the side edges of the web, said cutter being adjustable about a fixed axis, whereby new cutting edges may be presented to the web, and means to clamp said cutter stationary on the carrier, in adjusted position.

1,581,822. BELT BUCKLE. CHARLES F. WARDEN, West Boylston, Mass., assignor to C. A. Marsh & Co., a Copartnership comprising George L. Shepardson and Frank C. Rounseville, Attleboro, Mass. Filed Apr. 11, 1925. Serial No. 22,269. 6 Claims. (Cl. 40—140.)

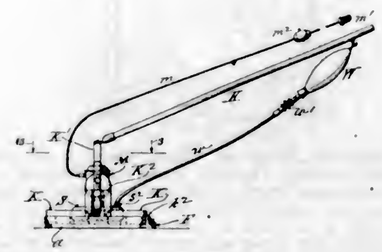


6. A buckle having a body portion, a clamping gripper pivotally mounted in said body, said body having an opening therein, opposite-turned notched marginal flanges about said opening, a removable insert having parts extending into said notches, a locking member slidable over said flanges to retain said insert in set position therein, said member having a lip against which the gripper binds the belt in the buckle and having an abutment for limiting its entering movement on said flanges

1,581,823. PROCESS OF UNITING RUBBER AND METAL. ROBERT MORSE WITHYCOMBE, Sydney, New South Wales, Australia. Filed Nov. 3, 1924, Serial No. 747,686. Renewed Sept. 25, 1925. 5 Claims. (Cl. 18—59.)

2. The process of uniting rubber to metal which consists in applying to the surface of the metal a gas eliminating agent, and a flux, placing vulcanizable rubber against the surface to which said agent has been applied, and subjecting the whole to vulcanizing temperature until the rubber is vulcanized.

1,581,824. APPARATUS FOR SCRUBBING, MOPPING, AND POLISHING FLOORS. HENRY AMSEL and BARNETT M. WARREN, New York, N. Y. Filed Dec. 7, 1925. Serial No. 73,602. 4 Claims. (Cl. 15—50.)



1. In a floor scrubbing, mopping and polishing apparatus, a carriage frame, a motor mounted thereon for freedom of movement in a vertical direction relative to the frame within fixed limits, and a brush carried by the rotatable shaft of the motor.

1,581,825. GERMICIDAL COMPOSITION. FRED ANDERSON, Vallejo, Calif., assignor to Frank H. Goulette, Manila, P. I. Filed Feb. 2, 1925. Serial No. 6,467. 3 Claims. (Cl. 167—9.)

1. A germicidal composition of powdered form consisting of a powdered mass of talc, a water solution of creolin, an alcoholic solution of salicylic acid, an alcoholic solution of menthol and camphor, and a mixed body of talc and sulphur and with the talc of said body materially less in volume than the volume of the mass of talc.

1,581,826. ARSENICAL ALBUMEN COMPOUND AND METHOD OF MAKING THE SAME. OSCAR BALLY, Basel, Switzerland, assignor to the firm: Haco-Gesellschaft A.-G. Bern, Bern, Switzerland. Filed Nov. 23, 1923. Serial No. 676,564. 7 Claims. (Cl. 260—15.)

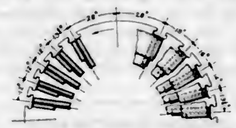
1. As a new composition of matter, the combination of an organic arsenic compound of the aromatic series with yeast, such combination forming a compound insoluble in water and possessing high bactericidal properties.

1,581,827. BRACE FOR BICYCLE MUD GUARDS. ROBERT F. BECK, Jr., Newnan, Ga. Filed Nov. 10, 1925. Serial No. 68,150. 3 Claims. (Cl. 208—141.)

1. A brace for bicycle mud guards comprising a substantially U-shaped member, the crown portion thereof being secured to the mud guard, the arms of the U-shaped member extending on opposite sides of the wheel of the bicycle, an additional pair of arms, apertured lugs formed on the outer ends of said last mentioned arms for supporting said arms on the respective ends of the wheel supporting spindle, and means for

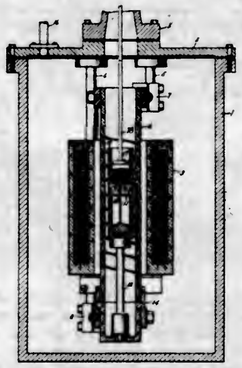
adjustably securing the free ends of the arms of the U-shaped member, and the inner ends of the additional arms.

1,581,828. ALTERNATOR FIELD. SVEN R. BERGMAN, Nahant, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,775. 6 Claims. (Cl. 171—209.)



1. A rotor field element for synchronous alternating current machines comprising a slotted core member and a direct current winding thereon arranged to produce alternate north and south poles, said slots being nonsymmetrically distributed on opposite sides of the poles.

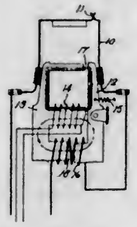
1,581,829. QUARTZ WORKING. EDWARD R. BERRY, Malden, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 29, 1921. Serial No. 456,577. 7 Claims. (Cl. 49—78.1.)



3. The method of producing clear vitreous quartz which consists in melting crystalline quartz in an attenuated atmosphere, removing bubbles therefrom by passing the quartz while heated to a temperature of about 1750° C. through a restricted opening, and causing the extruded silica to recoalesce.

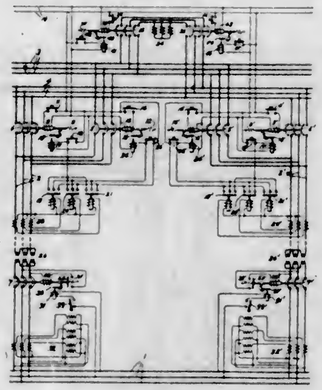
4. An apparatus for freeing silica from entrapped air which consists of the combination of two containers communicating with each other by a narrow slit, heating means for causing quartz in one container to become sufficiently plastic to pass through said slit into the other container, and means for maintaining a vacuum about said container.

1,581,830. CIRCUIT INTERRUPTER. ALBERT BESCHNITT, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 14, 1923. Serial No. 638,759. 8 Claims. (Cl. 200—94.)



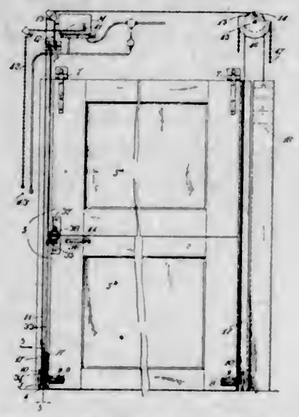
1. A circuit interrupter comprising a switch member biased to the open position, an electromagnet having a centrally pivoted armature and a shunt winding acting on one end of the armature for holding the switch member in the closed position, and means responding to the current in the controlled circuit acting on the other end of the armature for shifting the magnetic flux of the shunt winding to the said other end of the armature, to permit the switch member to open the controlled circuit.

1,581,831. ALTERNATING-CURRENT SECONDARY NETWORKS. DAVID K. BLAKE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1924. Serial No. 693,168. 4 Claims. (Cl. 171—97.)



4. An electric system wherein a source of current is arranged to be interconnected with a network through a plurality of feeders each equipped at one end with a switch operable in response to actuation of a directional power relay and each provided with a switch for controlling its connection at the other end, comprising a current limiting means normally disconnected from said feeders, and switching means for interconnecting any one of said feeders with said current limiting means to complete a circuit for actuating its power directional relay.

1,581,832. DOOR-OPERATING MECHANISM. PETER H. BLOCKHAN, Chicago, Ill., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1925. Serial No. 39,505. 12 Claims. (Cl. 268—1.)



1. Operating means for folding doors of the kind specified, including a motor, a mechanism associated with the hinged edges of the connected door-sections for forcibly imparting relative pivotal movement thereto to throw them out of and into a common plane as the doors are opened and closed respectively, connection between said motor and said mechanism for actuating the latter, a traveling member associated with one of said door-sections and the door-frame for movement longitudinally of one wall of the latter on the opening and closing of the door, connection between said traveling member and said mechanism for permitting limited relative movement between the same at predetermined intervals and for automatically locking the same against relative movement during travel of said traveling member as said mechanism attains a predetermined position, and means associated with said traveling member and said mechanism for automatically releasing the same from locked position as said traveling member attains a predetermined position.

1,581,833. ARTIFICIAL BAIT FOR FISHING. CLARENCE ELMORE BONNETT, New Orleans, La. Filed Aug. 2, 1922. Serial No. 579,304. 2 Claims. (Cl. 43—46.)

1. An artificial bait consisting of a forward section, a retarder consisting of two lobed-shaped projecting parts cupped on the forward side and projecting forward at an acute angle to the longitudinal axis of the bait, extending out on each side and partly beneath the said forward section, said forward section having a wedge-shaped rear end, a rear section hinged to the wedge-shaped rear end of the forward section, retarding surfaces being formed on the forward end of the rear section and adapted to produce side to side vibrations when the bait is moved forward through the water, and hooks attached to both sections.

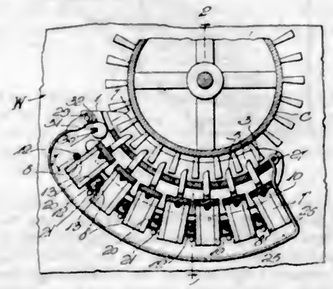
1,581,834. CINEMATOGRAPHIC PICTURE WITH STEREOSCOPIC AND COLOR VALUES. CHARLES BOUIN, Boston, Mass. Filed Jan. 26, 1922. Serial No. 531,936. 2 Claims. (Cl. 88—164.)

1. A motion picture film comprising a body portion having photographed thereon stereoscopically images of

scenes and the like contained within the standard space area, each stereoscopic pair of left and right angle images having respective distinguishing natural color

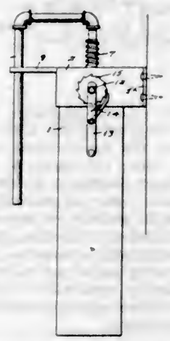
values and being spaced apart a distance greater than the normal binocular distance and having stereoscopic differences laterally greater than normal.

1,581,835. ADJUSTABLE CONCAVE. CECIL BROWN, Pattonsburg, Mo. Filed Oct. 1, 1925. Serial No. 59,949. 5 Claims. (Cl. 130—27.)



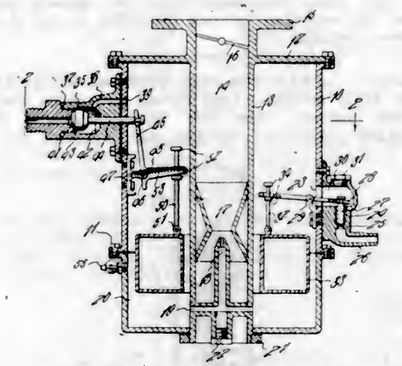
1. An adjustable concave comprising a plate of concavo-convex form in transverse section and having openings, parallel bars at the convex side of said plate having teeth passing slidably through said openings, arms on the ends of said bars projecting away from said plate, stationarily mounted shafts parallel with said bars and extending between said arms, gears carried by said shafts, rack teeth on the edges of the arms which face in one direction, said rack teeth meshing with said gears, guards for said gears contacting with the edges of the arms which face in the other direction, with the exception of said edges of the two arms at one extreme of the concave, and abutments engaging said edges of said two arms.

1,581,836. SOAP DISPENSER. FRED BROWN, Sturgis, S. Dak. Filed Apr. 9, 1925. Serial No. 21,942. 1 Claim. (Cl. 221—79.)



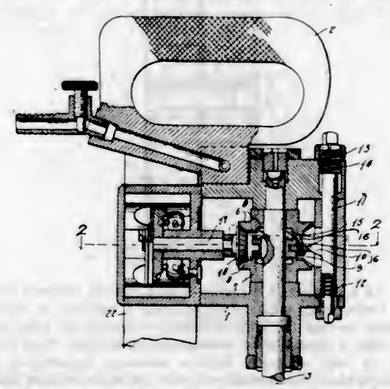
A soap dispenser comprising a container, a plunger therein, an externally threaded tubular stem carrying the plunger and extending beyond the container and terminating in a delivery nozzle, a gear wheel threaded upon the plunger stem, a shaft, a gear element fast to the shaft and in mesh with said gear wheel, a handle loose on the shaft, and a rachet mechanism between the handle and shaft.

1,581,837. CARBURETOR. CHRISTOPHER G. BROWNE and JAMES E. KNIGHT, St. Georges, Grenada, British West Indies, assignors of one-half to Kenneth A. McIntyre, St. Johns, Grenada, British West Indies. Filed Apr. 30, 1924. Serial No. 710,071. 1 Claim. (Cl. 158—36.2.)



A carburetor of the character described comprising a reservoir, a hollow cylindrical mixing chamber extending vertically and centrally therein, a float member encircling the mixing chamber within the reservoir, a fuel inlet port arranged upon one side of the reservoir, a valve mounted for reciprocation within the inlet port, an arm pivoted within the reservoir and having one end connected with the upper end of the valve, a rod having its lower end pivoted to the upper side of the float and extending within the opposite end of the pivoted rod and including spaced stops upon the opposite sides thereof, an auxiliary port arranged upon the opposite side of the reservoir and having a valve arranged therein and its stem extending an appreciable distance within the reservoir, a bell crank lever pivoted to the inner side of the reservoir and having its upper free end associated with the inner portion of the valve stem, a rod having its lower end pivoted to the upper side of the float and having its upper end received within the remaining end of the bell crank lever and including spaced stops upon the opposite sides thereof, and springs connecting the lower end of the bell crank lever and corresponding side of the reservoir whereby rocking of the bell crank lever will cause the bell crank lever to snap over its center.

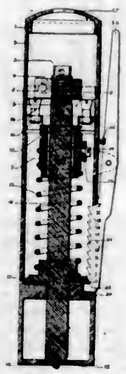
1,581,838. PORTABLE DRILL AND VALVE GRINDER. WILLIAM A. CLAASSEN, Waupaca, Wis. Filed Feb. 14, 1924. Serial No. 692,875. 4 Claims. (Cl. 74—50.)



1. In a tool of the character specified, a spindle, reversely driven gear wheels loose on the spindle, one of the gear wheels being provided with a cam, a movable

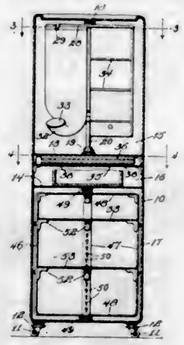
clutch member splined to the spindle and disposed between the gear wheels and adapted to be thrown into clutch engagement with each, a shifter in engagement with the movable clutch member, a spring normally urging the shifter towards the gear wheel provided with the cam, the latter operating to move the clutch member into clutch engagement with the opposite gear wheel, and means for securing the shifter in one of its extreme positions.

1,581,839. APPARATUS FOR TESTING HARDNESS OF FIRM BODIES. CARL EDVARD DAHLQVIST, Stockholm, Sweden. Filed Feb. 26, 1923. Serial No. 621,388. 14 Claims. (Cl. 265—13.)



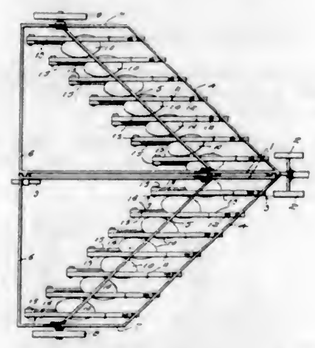
1. A resistance-testing implement, comprising a case having one end adapted to be positioned directly against the surface of the material being tested; an impact element housed within the case and movable axially outward through said end to strike against said material; an operating spring for said element; and releasable means for holding said element in any selected one of a a series of different, definite retracted positions in said case with its operating spring cocked.

1,581,840. KITCHEN CABINET. MAY DE GARMO, South Glens Falls, N. Y. Filed Feb. 2, 1924. Serial No. 690,253. 3 Claims. (Cl. 45—16.)



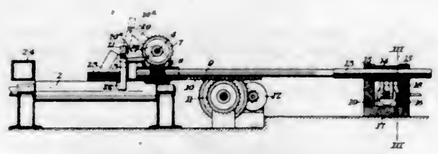
1. In a cabinet, a circular casing having opposed upper and lower walls each provided with a bearing, a vertical support having its ends rotatably engaged in said bearings and a plurality of containers pivoted at their lower ends to said support, flexible elements connecting the upper ends of the containers with the support, and means carried by said support for locking the upper ends of the containers in position against the support.

1,581,841. COMBINED WEEDER AND CULTIVATOR. CHARLES C. DILLON, Valier, Mont. Filed June 7, 1924. Serial No. 718,541. 1 Claim. (Cl. 97—144.1.)



A cultivator and weeder comprising a longitudinally disposed beam, bars projecting laterally from the beam and pivoted at their inner ends thereto, longitudinal bars connecting the outer ends of the lateral bars, supporting wheels at the ends of the longitudinal beam and at the outer ends of the lateral bars, a plurality of beams coupled to the lateral bars, a rotary colter and a furrow-opening and weed-turning disk attached to each of the several beams, the disks being disposed in the rear of the colters and having an approximate horizontal arrangement and inclining laterally and upwardly and rearwardly.

1,581,842. MANIPULATOR. LORENZ IVERSEN, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 1, 1921. Serial No. 489,139. 16 Claims. (Cl. 80—48.)

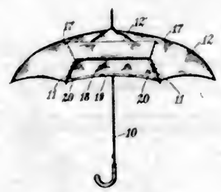


12. In a device of the character described, a roll table, a guard movable across the table above the rolls, a shaft journaled on the guard whose axis is normal to the axes of the rolls, manipulators connected to the shaft, a second shaft journaled on the guard, the axis of the second shaft being substantially normal to the axis of the first shaft, gearing for directly connecting the two shafts to each other, a fixed bearing, a rocker journaled in said bearing, and surrounding the second shaft, the arrangement being such that the shaft is oscillated with the rocker but is permitted to move longitudinally therethrough, and power means for oscillating the rocker, substantially as described.

1,581,843. WINDOWED UMBRELLA. THOMAS FRANCIS LITTLE, Sr., Laurel Hill, N. Y. Filed Aug. 22, 1924. Serial No. 733,485. 1 Claim. (Cl. 135—35.)

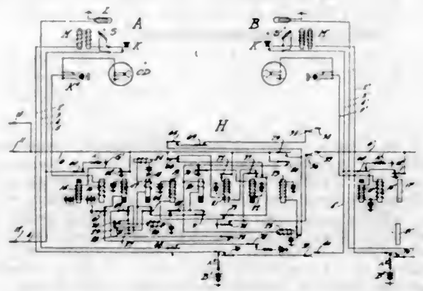
In an umbrella, a movable cover section part having substantially the shape of a truncated cone, means for normally holding said movable section in place between

two adjacent ribs allowing a folding back of said movable section to any desired extent, means for locking said movable section in its folded back position, said



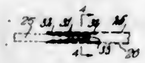
first named means adapted to allow the securing of a transparent sheet to replace the folded back part of said movable section to allow a clear view.

1,581,844. TELEGRAPH SWITCHING SYSTEM. CLARENCE E. LOMAX, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 1, 1922. Serial No. 533,362. 12 Claims. (Cl. 178—2.)



1. In a telegraph switching system, a plurality of closed local circuit telegraph stations, there being three or more of said stations, automatic switches for connecting any two stations in series, and relay means in said switches for establishing a series circuit between any two connected stations before opening the local circuits of said stations.

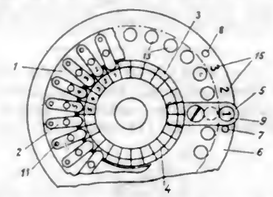
1,581,845. NECKTIE. STEPHEN LOTH, Trenton, N. J. Filed Oct. 11, 1923. Serial No. 667,864. 3 Claims. (Cl. 2—155.)



1. A tie comprising a display portion, a permanent end element of durable material, a tubular member of rectangular cross section inserted in the end of the said permanent element, said member having integral tongues on opposite sides extending longitudinally with respect to the tie and inclining inwardly toward one another from their roots to their tips, the end of the display portion being gripped between said tongues.

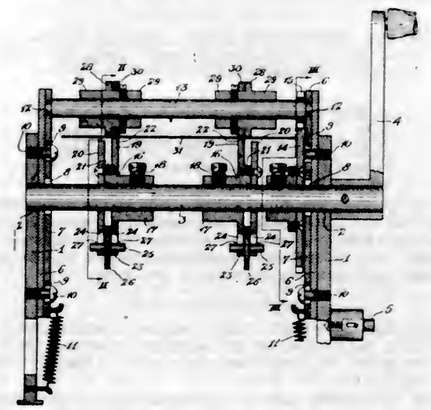
1,581,846. COMMUTATOR MOTOR WITH SWITCHING ARRANGEMENT FOR THE ROTOR WINDINGS. CARL LOTT, Zurich, Switzerland. Filed Mar. 11, 1926. Serial No. 94,030. 5 Claims. (Cl. 171—230.)

1. A commutator motor, comprising, in combination, a commutator with a projecting margin, a rotatable ring surrounding the margin, a number of contacts, equal to the number of the commutator segments, secured to the ring and bearing on the margin, each of these contacts



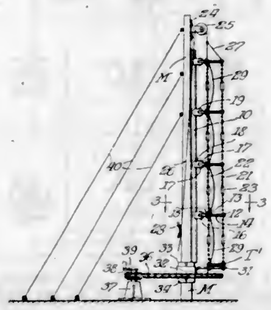
being electrically connected to one end of a rotor coil, the other end of which is electrically connected to a commutator segment.

1,581,847. FEEDING MECHANISM FOR AUTOGRAPHIC REGISTERS. MURDOCK MACDONALD, Cleveland, Ohio. Filed Mar. 31, 1924. Serial No. 703,021. 9 Claims. (Cl. 282—16.)



1. In a device of the character described, two pairs of oppositely disposed feed-rolls; each set consisting of a positively driven and an idle feed-roll; the rolls of one pair being arranged to be intermittently inoperative and the rolls of the other pair being arranged to become operative during said period of inoperation, and inoperative during the period of operation of the other pair.

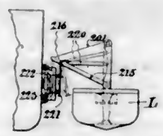
1,581,848. SAIL STRUCTURE. RODERICK MACRAE, Chicago, Ill. Filed July 15, 1924. Serial No. 726,120. 11 Claims. (Cl. 114—103.)



1. In sail structures of the class described, the combination of a mast, a traveler beam secured thereto, supporting fittings anchored to but adapted to slide

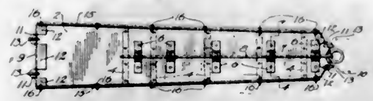
longitudinally along said traveler beam, yards pivoted to said fittings to swing in horizontal planes, sail units secured to and between said yards to form sail surface, and means for raising and lowering said yards.

1,581,849. HULL-CLEANING MACHINE FOR SHIPS AFLOAT. NILS MADSEN, Los Angeles, Calif. Filed July 15, 1921, Serial No. 485,080. Renewed Feb. 27, 1926. 29 Claims. (Cl. 114—222.)



1. A cleaning machine comprising an endless belt of vacuum shoes adapted to make vacuum contact with the surface to be cleaned, and an endless trackway for said belt.

1,581,850. FENCEPOST MOLD. WILLIAM C. MARTINS, Dieterich, Ill. Filed Oct. 19, 1925. Serial No. 63,551. 4 Claims. (Cl. 25—121.)

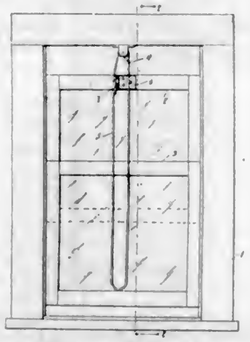


1. A side plate for a concrete post matrix comprising a sheet of metal having staple-receiving openings, and a loop of strip metal extending across each of said openings, each of the loops terminating in flat feet at its ends, said feet being anchored to the plate.

1,581,851. BATTERY CELL. MARTIN L. MARTUS, Woodbury, and EDMUND H. BECKER, Waterbury, Conn. Filed Feb. 13, 1925. Serial No. 9,031. 5 Claims. (Cl. 136—116.)

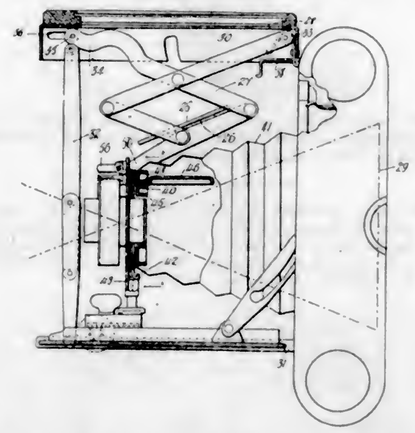
1. An electric cell of the copper oxid type having positive electrode and negative electrodes and a liquid caustic alkali electrolyte, said cell also containing zeolite material in contact with said liquid.

1,581,852. WINDOW-SASH CONTROL. ELIHU E. MASSIE, Portsmouth, Ohio. Filed Nov. 22, 1924. Serial No. 751,665. 1 Claim. (Cl. 268—4.)



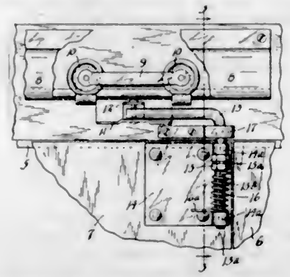
Means for positively raising and lowering an upper sash, the same comprising a guide on the window frame, a sash cord trained over said guide, a leaf pivoted to the sash to fold thereagainst to enable maximum movement of the upper sash relatively to the lower sash or to occupy a position at an angle with respect to the upper sash, said leaf having an opening, a lateral projection on said leaf extending into said opening, said cord being detachably applicable into said opening and adapted for disposition across said projection to connect the cord to the leaf.

1,581,853. REFLEX CAMERA. RICHARD GEORGE MATHEWS, London, England. Filed Dec. 6, 1923. Serial No. 678,943. 26 Claims. (Cl. 95—42.)



1. In a reflex camera of the class described, comprising collapsible bellows, a lens front, a shutter, a focussing screen, and a small reflector, a pivot joint connecting said bellows nose and said lens front so that the front and the bellows nose are capable of a relative swinging movement to or away from each other to line the lens and bellows for exposure or to relate a small reflector close up to the lens for focussing and a coupling between the two parts is always maintained, substantially as described.

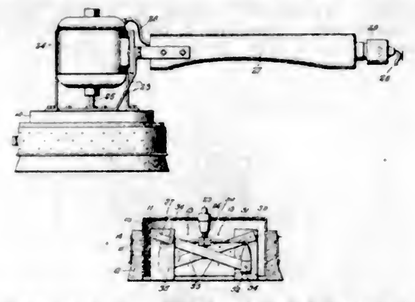
1,581,854. SLIDING HANGER FOR FOLDING DOORS. ELLWOOD H. MAY, Minneapolis, Minn. Filed Dec. 18, 1924. Serial No. 756,705. 11 Claims. (Cl. 20—20.)



1. A slidable hanger for doors comprising a member slidable across a doorway, a door supporting arm pivoted to said slidable member and swingable outwardly away from said doorway and means adapted to normally impel said arm inwardly towards said doorway in proper operative position for the opening or closing of said door.

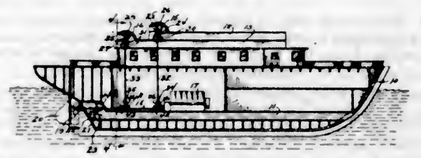
1,581,855. SURFACE-RUBBING MACHINE. ERNEST MAY, East St. Louis, Ill. Filed May 21, 1925. Serial No. 31,912. 3 Claims. (Cl. 51—177.)

2. A surface rubbing machine comprising a casing, a motor on the casing having a shaft projecting into the same, a head strip in the casing connected to said shaft at an intermediate point and having its ends bent outwardly and twisted at right angles to the strip, said bent and twisted ends of the strip having their extremities overturned to provide sockets closed at their outer ends, an arm pivotally mounted at one end in each of



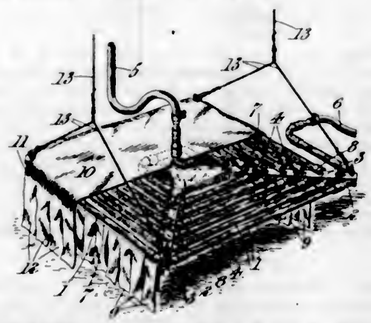
said sockets and extending lengthwise of the strip into a position adjacent to the opposite socket, said arms being adapted to engage the closed ends of the sockets when the arms are swung outwardly to limit the outward swinging of the arms, and rubbing pads secured to the free ends of said arms and extending outwardly therefrom.

1,581,856. BOAT-PROPELLING MECHANISM. PAUL MEDIATE, Cleveland, Ohio. Filed Jan. 16, 1926. Serial No. 81,844. 3 Claims. (Cl. 115—14.)



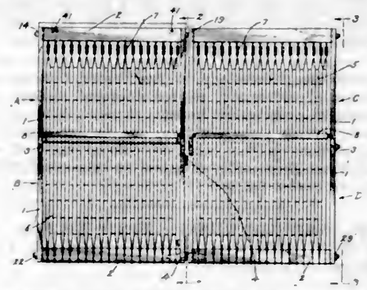
1. In a boat propelling mechanism, a hull provided below the water line with a longitudinally extending water conduit and above the water line with a plurality of longitudinally extending air passages, shafts journaled transversely of the air passages and the water conduit and carrying propeller wheels, and means for selectively driving said propeller wheels.

1,581,857. CHICK BROODER. HECTOR MITCHEL MORISON, Newbury, England. Filed Mar. 13, 1924. Serial No. 698,979. 1 Claim. (Cl. 119—31.)



A brooder for poultry, comprising in combination a coil of pipes constituting a heating element, flexible supply and exit pipes to and from said heating element, a framework adapted to engage said heating element, dependent curtains of flexible material mounted on rods carried by said framework, said curtains being slit to form loose tongues, a coverlet for the brooder of flexible porous material said coverlet having dependent sides also slit to form loose tongues and means for suspending the brooder at an adjustable height, substantially as described.

1,581,858. CAMPING OUTFIT. CLAUDE E. MUSGRAVE, Lewistown, Mont., assignor to W. C. Blackburn, Lewistown, Mont. Filed Aug. 16, 1922. Serial No. 582,234. 1 Claim. (Cl. 5—111.)



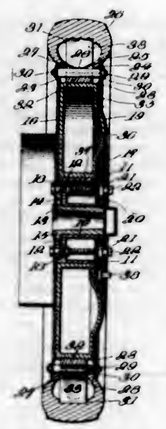
A camping outfit of the class described comprising a bed structure consisting of a pair of sections, means for hingedly connecting adjacent end portions of the sections to permit the same to be folded one upon the other, a bed fabric common to the sections, a plate carried by a side portion of one of the sections adjacent to its hinged connection and extending beyond the fabric, a swinging hook carried by the opposite side portion of said section adjacent its hinged connection, a bar adapted to be disposed across the fabric adjacent the hinged connection between the sections, the extremities of the bar being provided with outstanding trunnions, the plate being provided with an opening to receive one of said trunnions and the swinging hook being engageable over the second trunnion, said bar serving to hold the fabric under tension when the sections are in folded relation and also providing a retaining means for bed clothes when the sections are folded.

1,581,859. GAME. CATHERINE MCLAEN NEW, Indianapolis, Ind. Filed June 2, 1925. Serial No. 643,072. 1 Claim. (Cl. 273—152.)

In a card game adapted to be played by a number of persons to whom are assigned definite playing positions, special indicator cards for assigning such playing positions consisting of a special card for each position, a plurality of distinct sequentially numbered groups of

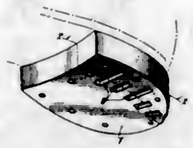
cards, the cards of each group forming a continuous series and having means thereon for indicating the position of each card in the series and group, said means comprising Arabic numerals from one to nine and suite indicia in opposite diagonals and readable from either end, the suite indicia of each group being of a different color, and having Chinese phraseology in the central portions thereof, said phraseology being a translation of the English indicia thereon, two groups of non-numbered cards, each group being unrelated to the other, the non-numbered cards of one group having differently colored English suite indicia in attention-attracting spots in diagonally opposite corners some of these cards having a Chinese translation thereof in the center thereof, the cards of the other non-numbered group having English suite indicia in opposite corners, the cards of the latter group having Chinese phraseology in the center thereof, and two groups of differently colored "season" cards, each group having progressive indicia thereon, said indicia comprising Arabic numerals from one to four placed in opposite corners of the cards of this group, and also having Chinese phraseology in attention-attracting colored spots in the center thereof.

1,581,860. VEHICLE WHEEL. HENRY NICHOLS, New York, N. Y. Filed Jan. 26, 1925. Serial No. 4,870. 15 Claims. (Cl. 152—29.)



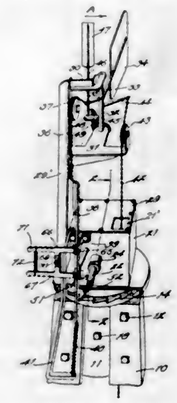
4. A wheel of the character described comprising a hub member, a pneumatic cushion encircling the hub member, a tire shoe, means interposed between the pneumatic cushion and the tire shoe for holding said shoe in distended condition, internal abutment means interposed between the edges of the tire shoe, and side plates secured to said hub member, and cooperating with said abutment means to retain the tire shoe in position, whereby the distending means is unhampered in its operation.

1,581,861. SOLE AND HEEL. DONALD OBERDORFER, Atlanta, Ga. Filed Dec. 17, 1924. Serial No. 756,568. 1 Claim. (Cl. 36—59.)



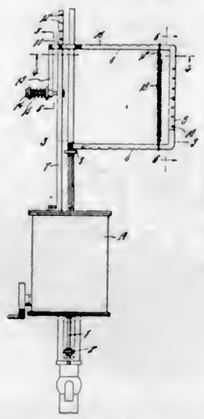
As a new article of manufacture, a ground-contacting member for footwear, having its ground-contacting surface formed of material of uniform hardness throughout substantially normal and unimpaired in its area of greatest normal wear, and in the area opposite to that first-mentioned being provided with a multiplicity of small recesses of substantially uniform depth throughout and disposed in relatively close relation.

1,581,862. WINDMILL. FRANK R. OWENS, Beaver Crossing, Nebr. Filed Feb. 7, 1925, Serial No. 7,651. Renewed Mar. 2, 1926. 10 Claims. (Cl. 170—48.)



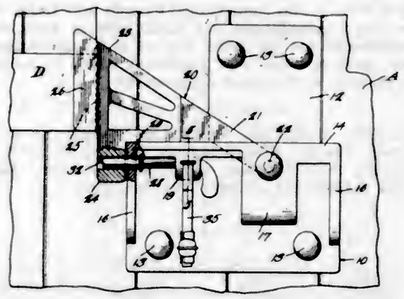
1. In a wind mill, a support, a horizontally rotatable head including a wind wheel, a horizontally disposed vane extending from the head for holding the wheel in the wind, a vertically disposed vane, means operatively associating the vanes whereby the vertically disposed vane may be actuated to move the horizontal vanes, ratchet mechanism connecting the support and head for holding the head against movement in one direction, means controlled by the vanes for releasing the head holding means and means for automatically returning the vanes to normal position.

1,581,863. PUMP JACK. FRANK R. OWENS, Beaver Crossing, Nebr. Filed Apr. 29, 1925, Serial No. 26,736. Renewed Mar. 2, 1926. 2 Claims. (Cl. 74—71.)



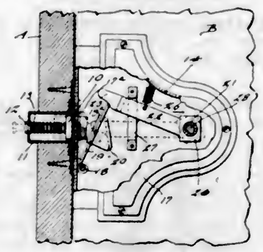
2. An equalizing device for a pump operating apparatus, comprising a support, a supporting bar of angle shape having one limb pivoted to the support, an angle bar having one limb adjustably pivoted to the other limb of the supporting bar and its other limb connected with a reciprocating part of the apparatus, a spring connecting the parallel portions of the two bars together.

1,581,864. CAR-DOOR LOCK. OTIS D. PARKER, Portsmouth, Va. Filed July 13, 1925. Serial No. 43,334. 4 Claims. (Cl. 292—208.)



1. A locking device for a sliding freight car door, comprising a supporting member mounted upon the side of the car at the lower portion thereof, an arm member pivoted upon said support and adapted to abuttingly and overhangingly engage a portion of the door, and a bolt slidably mounted in said supporting member and engaging said arm for holding the same against movement, said arm being swingable away from the door to be disposed out of the path of movement thereof, said supporting member being slotted to accommodate the release position of the arm.

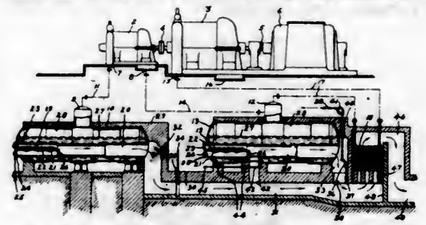
1,581,865. DOOR LATCH AND LOCK. WADE SLIFER PETTIT, Hammond, Ind. Filed May 24, 1924. Serial No. 715,679. 3 Claims. (Cl. 70—91.)



1. In a door lock and latch device, an outwardly spring-pressed latch bolt mounted in the door jamb, a casing mounted in the door and having a keeper opening, a pivoted plate within the casing adapted to be engaged against the latch bolt for forcing the latter out of said opening, a spindle extending through the door and casing, a hollow shaft rotatable on the spindle, an arm on the hollow shaft adapted to engage and swing the keeper into operative position, handles stationarily mounted on the hollow shaft, and key operated means within the handles for locking the hollow shaft against rotation.

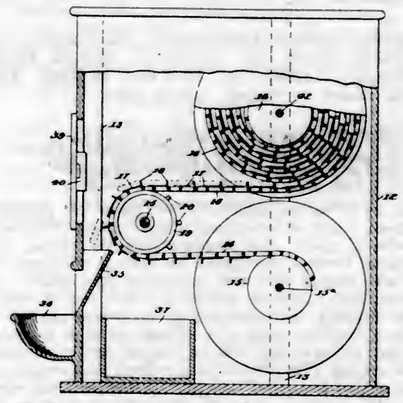
1,581,866. POWER-PLANT INSTALLATION. OTTO T. POST, Charlottenburg, Germany, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Filed July 7, 1924. Serial No. 724,735. 4 Claims. (Cl. 60—43.)

1. In a power plant installation, the combination with a high pressure and a low pressure prime mover, of separate elastic fluid generators for said prime movers, means for conducting the exhaust elastic fluid from the high pressure prime mover to the elastic fluid generator of the low pressure prime mover, said generator having a relatively large elastic fluid storage capacity, and a



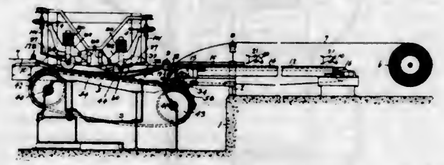
superheater which lies in the path of combustion gases from the generators connected between the said low pressure generator and the low pressure prime mover.

1,581,867. VENDING MACHINE. JOHN A. RAY, Kissimmee, Fla. Filed May 15, 1924. Serial No. 713,552. 4 Claims. (Cl. 211—8.)



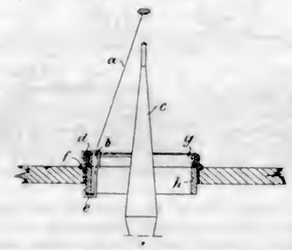
1. In a vending machine, the combination with a pair of spaced drums, of a flexible carrier connected at its opposite ends to said drums and being of a length to permit coiling of the same respectively about said drums, cross pieces connecting said carrier, and means comprising outwardly projecting plates carried by said carrier adapted when said carrier is coiled on said drums to form side walls of compartments in which the goods to be dispensed are housed.

1,581,868. ELECTRIC WELDING MACHINE. WILLIAM EDGAR REED, Pittsburgh, Pa. Filed Dec. 28, 1923. Serial No. 683,184. 22 Claims. (Cl. 219—4.)



4. Electric welding apparatus comprising means for supplying a plurality of transversely spaced wires, means for supplying stay wires to be welded to said first-named wires, and means for welding alternate strands of said first-named wires at one portion of the path of movement of said wires, and means for welding the other strands of said first-named wires to said stay wires at another portion of the said path of movement.

1,581,869. TRAVELER RING FOR SPINNING AND TWISTING MACHINES. GEORG REINHOLD, Selbitz, Germany. Filed Sept. 17, 1925. Serial No. 56,965. 2 Claims. (Cl. 118—59.)

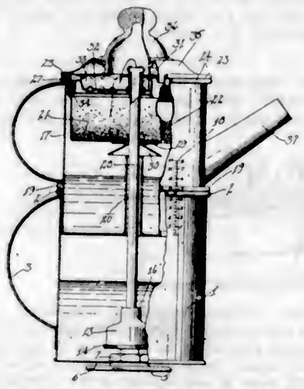


1. In ring and traveler spinning and twisting machines for wet yarn, a ring composed of steel and non-corrosive material, the parts which are in frictional contact with the traveler being made of steel and the other parts of non-corrosive material, substantially as and for the purpose set forth.

1,581,870. SPRING STRUCTURE. GRADY GORDON RICKERSON, Augusta, Ga., assignor to Augusta Bedding Company, Augusta, Ga. Filed Sept. 28, 1925. Serial No. 59,082. 3 Claims. (Cl. 5—269.)

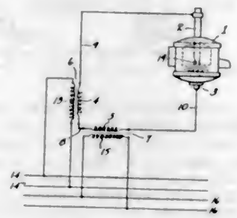
1. In a spring structure, two pairs of cushioning springs, a pair of interengaging and oppositely extending combined spacer and coupling elements having their terminal portions overlapping the coils at the upper ends of said springs and each consisting of a small coiled spring, and a locking member for each end of each of said elements and consisting of an arcuate portion engaging the inner side of an upper coil of a cushioning spring, an upwardly inclined locking portion extending into one end of the element and a lower hook-shaped locking portion positioned exteriorly of such end and having its bill extending into the element and towards said upper locking portion.

1,581,871. FRENCH DRIP PERCOLATOR. LLOYD S. ROBERTS, Hamilton, Mont. Filed Feb. 18, 1924. Serial No. 693,694. 1 Claim. (Cl. 53—3.)



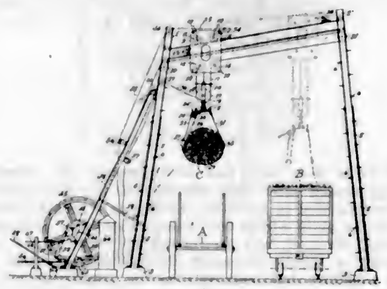
In a beverage making device, a lower metal compartment, a removable transparent upper compartment carried by said lower compartment, a perforated basket carried by said upper compartment for containing solid matter, said upper compartment being provided with a sleeve projecting upwardly from its bottom and terminating short of the basket, a tube secured to said basket and arranged to pass freely through the sleeve into the lower compartment, the upper end of the tube projecting above the top of the basket, and a deflector carried by the bottom portion of the basket and arranged to extend over the upper end of said sleeve for preventing the liquid from flowing downwardly through said sleeve into the lower compartment, the upper part of said lower compartment and the lower part of said upper compartment being provided with registering scales to indicate the contents of the upper compartment.

1,581,872. ELECTRIC FURNACE. ROBERT L. ROCKWELL, Seattle, Wash., assignor of one-half to F. R. Faller, Everett, Wash. Filed May 26, 1924. Serial No. 715,854. 11 Claims. (Cl. 204—64.)



1. The combination of an electric furnace, a plurality of transformers energized by polyphase alternating current and having substantially a quadrature time phase relation between their respective secondary electromotive forces, and means for connecting the secondaries of said transformers in series circuit combination with the electrodes of said furnace.

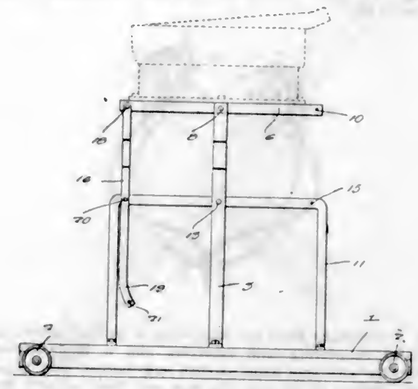
1,581,873. SUGAR-CANE HOISTING AND WEIGHING APPARATUS. GIL A. ROMERO, Habana, Cuba. Filed Sept. 6, 1924. Serial No. 736,379. 3 Claims. (Cl. 265—52.)



1. Means for weighing a cable suspended load, comprising, a coiling drum for the cable suspending a load to be weighed, a scales, and a releasable operable connection between the drum and the scales.

1,581,874. ENGINE-REPAIR STAND. JAMES C. RUMFELT, Manes, Mo. Filed Dec. 15, 1924. Serial No. 756,073. 3 Claims. (Cl. 29—89.)

1. An engine repair stand comprising a base, a pair of opposed standards supported at the lower ends thereon, a pair of brackets secured on said base and attached to the respective standards, a pair of angle iron engine supporting means pivotally secured intermediate their ends on the upper ends of the respective standards, and



levers pivotally secured at their upper ends to the respective angle iron members and adapted for cooperation with said brackets for supporting the angle iron members in various positions.

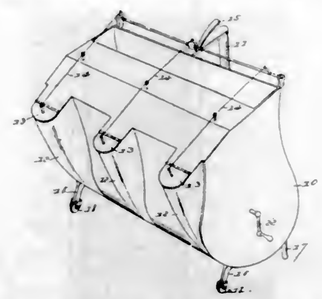
1,581,875. LOCKING HOOK FOR ANTISKID CHAINS. NELS O. SALVOO, Knox, N. Dak. Filed Nov. 7, 1925. Serial No. 67,634. 1 Claim. (Cl. 24—236.)

A hook for use in connecting the longitudinal chains of anti-skidding devices, the hook having the form of a link formed with a gap in one side, a flat leaf spring attached to the inside face of the link and extending beyond the gap, a filling piece mounted upon the spring and yieldingly held in position in said gap when the spring is in normal position, the filling piece and the adjacent walls of the gap having tongue and groove engagement, the inside face of the link being cut away to receive the end of said spring.

1,581,876. DYNAMO-ELECTRIC MACHINE. HARRY W. SAMSON, Niskayuna, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 12, 1922. Serial No. 581,338. 5 Claims. (Cl. 171—252.)

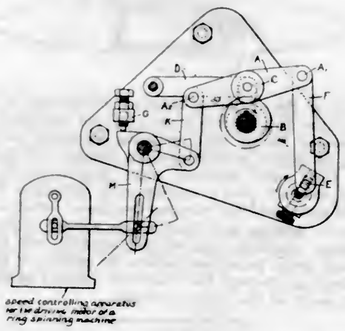
1. In a dynamo-electric machine having a laminated member, segments having supporting means located unsymmetrically thereon and assembled to give an iron cross-section across the joints between said segments of more than one-half the total cross-section of said laminated member, said joints being equally spaced around the said laminated member.

1,581,877. BATTER PITCHER. ADOLF L. SCHULTZ, Kansas City, Mo. Filed Apr. 12, 1923. Serial No. 631,649. 1 Claim. (Cl. 107—52.)



A batter pitcher provided with a plurality of forwardly directed spaced outlet nozzles arranged in a common series for simultaneously discharging equal quantities of the fluid contents of the receptacle, a grip carried by the rear wall of said receptacle, and front and rear supporting legs of which the former only are provided with rollers to facilitate tilting and movement of the device over a griddle.

1,581,878. SPEED-CONTROLLING MEANS FOR RING-SPINNING MACHINES AND THE LIKE. JOHN SHAW, St. Annes-on-Sea, England, assignor to General Electric Company, a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,076. 8 Claims. (Cl. 118—32.)



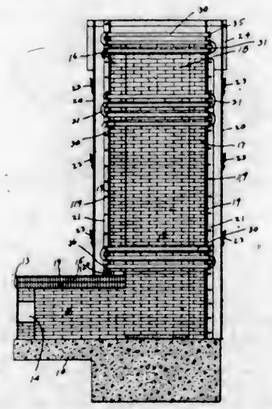
speed controlling apparatus for the driving motor of a ring spinning machine

1. Apparatus for varying the speed of ring spinning machines and of like machines, said apparatus comprising a movable member, means acting on said member to move one portion thereof slowly to and fro, means acting on said member to cause another portion thereof to oscillate rapidly about the first mentioned portion of said member, the path of the first mentioned portion having a substantial component which is at right angles to a straight line connecting the first mentioned portion with the second mentioned portion, and means connected to a third portion of said member for determining the speed of the spinning machine in accordance with the position of said third portion in the course of the motion of the member.

1,581,879. BOLTED STEEL TUBE STILL FOR DISTILLING OIL. JAMES M. SIMS and OLPHA M. BROOKS, Shreveport, La. Filed Oct. 24, 1924. Serial No. 745,668. 6 Claims. (Cl. 196—110.)

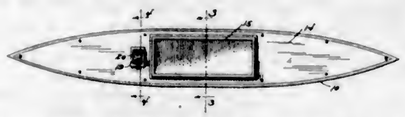
1. A still for distilling oil having a coil heating chamber formed of bolted steel tubes lined with clay material,

and a continuous coil for the oil formed of a series of short tubes mounted in the wall and extending transversely of the heating chamber, and return bends remov-



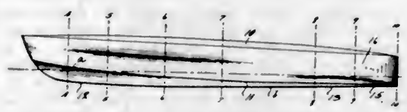
ably connecting the ends of the adjacent tubes and located outside of the walls of the heating chamber, substantially as set forth.

1,581,880. BOAT. EDWARD A. SKIDMORE, Unionville, N. Y. Filed Aug. 21, 1925. Serial No. 51,636. 1 Claim. (Cl. 9—5.)



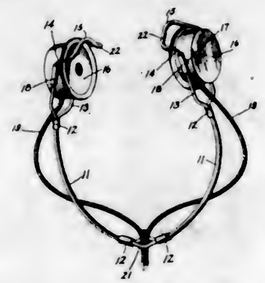
A boat of the character described comprising a hull, a deck for the hull having a cock pit and elongated opening provided therein and including auxiliary plates extending in spaced parallel relation beneath the deck and having their outer marginal edges secured to the inner sides of the hull, and a spacing strip extending between the deck and plates for insuring the spaced relation therebetween in defining and insuring the spaced relation and in defining a ballast chamber therebetween, and an inlet valve and pump positioned within the bottom of the hull and extending through the elongated opening within convenient reach of the boat's occupant.

1,581,881. SPEED-BOAT HULL. CLARENCE R. SMITH, Miami, Fla. Filed May 9, 1925. Serial No. 29,221. 3 Claims. (Cl. 114—66.5.)



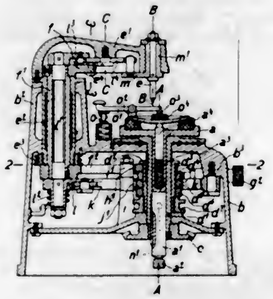
1. A boat of the character described having a hull, the chines of which extend downwardly and rearwardly from the bow of the boat to the stern thereof and the keel of which extends upwardly and rearwardly from the bow of the boat to the stern thereof, the keel at the stern nearly intersecting the plane of the chines, the stern portion of the hull above the plane of the chines being rearwardly tapered, the lower portion of the hull from a point approximately amidships to the stern being laterally extended to form two laterally projecting sponsons on each side of the stern, the lower faces of the sponsons intersecting the chines and keel.

1,581,882. HEAD TELEPHONE SET. AUSTIN THOMAS STACE, Coventry, England, assignor to General Electric Company, a Corporation of New York. Filed Sept. 11, 1924. Serial No. 737,134. 4 Claims. (Cl. 179—156.)



3. A telephone head set comprising a pair of receivers, a band connecting said receivers and a loop formed integrally with said band at each end thereof, said loops being adapted to fit over the ears and thus support the receivers.

1,581,883. MACHINE FOR CUTTING NONCIRCULAR GLASSES. ADOLF STEINLE, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 7, 1923. Serial No. 656,258. 2 Claims. (Cl. 33—28.)

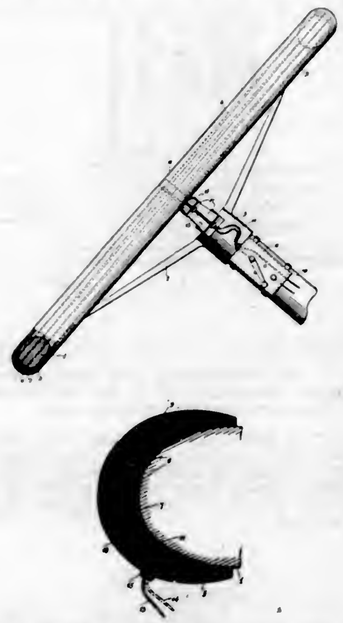


1. In a machine for cutting non-circular glasses, especially spectacle glasses, a work-table, means for rotating the table, a cutting tool, a member adapted to guide this tool in a plane perpendicular to the axis of rotation of the table, the tool being disposed on this member rotatably about an axis parallel to the first-named axis, two levers, two cams operatively connected with the said means for rotating the table, each cam being adapted to guide one of the said levers, of which levers the first one is adapted to move the cutting tool to and from the axis of rotation of the table and the second one is adapted, while cutting is carried out, to rotate the cutting tool about an axis parallel to this axis, and mechanism to simultaneously vary the amount of movement transmitted between the cam of the first-named lever and the cutting tool and between the cam of the second lever and the cutting tool.

1,581,884. STEERING-WHEEL HEATER. RICHARD C. STEUART, Towson, and BENNETT B. COCKEY, Cockeysville, Md. Filed Jan. 8, 1925. Serial No. 1,217. 5 Claims. (Cl. 219—19.)

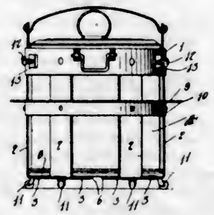
4. A steering wheel heater comprising a rim receiving endless annular casing of elastic material open on its inner side, the circular space surrounded by the annulus formed by said casing being of smaller diameter than that of the rim of the steering wheel which the casing is

designed to embrace, necessitating the circumferential stretching of said casing to apply it to said rim, a rheostat forming a part of said casing, a heat and



electrical insulating sheath surrounding said rheostat within said casing, said rheostat and sheath being constructed to circumferentially elongate with said casing when the latter is stretched.

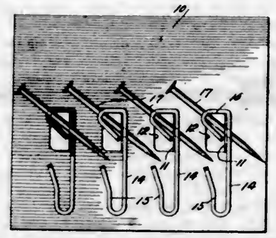
1,581,885. PROTECTOR FOR CONTAINERS. JOHN STEWART, Los Angeles, Calif. Filed Sept. 22, 1925. Serial No. 57,880. 2 Claims. (Cl. 220—12.)



1. A protector for containers comprising a cage like receptacle adapted to enclose the sides and bottom of a container, and threaded members carried by said receptacle and adapted to secure the container therein.

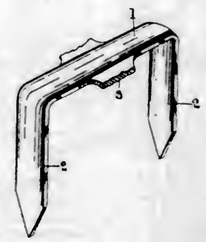
1,581,886. SALES AND DISPLAY CARD. JACOB STRAND, New York, N. Y., assignor to Stransky Products Corp., New York, N. Y., a Corporation of New York. Filed Oct. 17, 1925. Serial No. 63,057. 2 Claims. (Cl. 211—34.)

1. In combination with a picture hook and a fastening nail therefor, a sales and display card having a body portion on which the picture hook is placed in edge engagement, and a forwardly deflected portion adapted to stand parallel with the back of the picture hook, said deflected portion being pierced by the fastening nail to hold it in assembled position with the picture hook upon



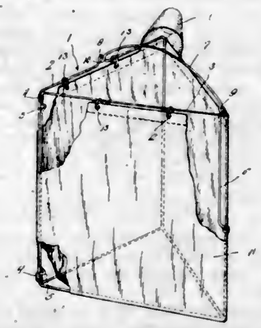
the card, the back of the picture hook supporting and reinforcing the deflected portion of the card during the piercing operation.

1,581,887. STAPLE FOR USE WITH HAND STAPLING MACHINES. HAROLD JOHN TAPLIN, London, England, assignor to Gerrard Wire Tying Machines Company Limited, London, England. Filed Mar. 6, 1925. Serial No. 13,587. 1 Claim. (Cl. 85—17.)



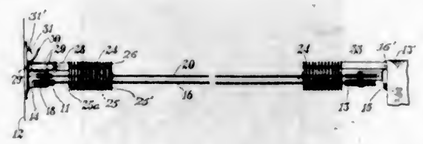
A staple including a top bar and legs at the respective ends thereof, the top bar and legs being of concavo-convex form in cross section with the curvature extending to and including the margins of the top bar and legs, the free terminals of the legs having a flat formation in cross section.

1,581,888. COLLAPSIBLE RECEPTACLE. ARTHUR THOMAS, Ada, Mich. Filed May 27, 1925. Serial No. 33,190. 6 Claims. (Cl. 150—49.)



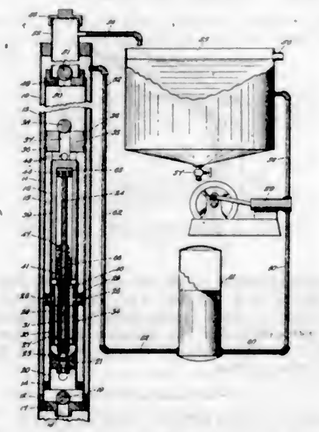
1. A collapsible receptacle comprising a pair of rectangular frames hinged at their adjacent side edges, means for holding such frames in such a manner as to provide a substantially triangular shaped frame, a fabric covering for the same, said aforementioned means adapted to provide a handle for the receptacle.

1,581,889. CLOTHESLINE COVERING. HELEN TIEDE, Hoboken, N. J. Filed Aug. 15, 1924. Serial No. 732,160. 4 Claims. (Cl. 68—3.)



1. In combination with a clothes line, a rope extending along said line above the latter, and a collapsible cover element for the clothesline connected to the said rope to be moved by the latter between collapsed and extended positions.

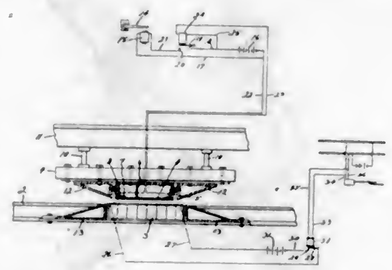
1,581,890. DEEP-WELL PUMP. ARTHUR C. TUNISON, Los Angeles, Calif. Filed Apr. 9, 1924. Serial No. 705,379. 9 Claims. (Cl. 103—46.)



1. In a deep well pumping apparatus the combination with a well casing of a pump barrel positioned within said casing and spaced from the walls thereof; a pump cylinder within said barrel, spaced from the walls thereof; a piston slidably mounted in said barrel and provided with a trunk extending into said cylinder; fluid conducting connections between said cylinder and the space between said casing and said barrel; means for continuously supplying fluid under pressure to said last mentioned space; and means for conducting fluid from said barrel.

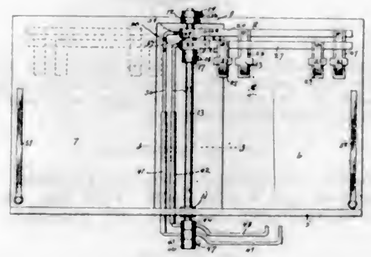
1,581,891. AUTOMATIC TRAIN STOP OR SIGNAL. BENJAMIN G. VAN DYKE, Jr., Jackson, Ohio. Filed Feb. 19, 1925. Serial No. 10,211. 2 Claims. (Cl. 246—63.)

1. An automatic train stop or signal comprising an electrical circuit controlled by the operation of a track circuit, another electrical circuit including an electromagnet, means in said electrical circuit whereby the opening of the first circuit will close the second circuit, a railway vehicle, an electrical circuit in said vehicle, said last mentioned circuit including means actuated by the electromagnet in the second named circuit to open said vehicle circuit, an operating circuit including parts of the vehicle circuit, means in the last two circuits whereby the operating circuit will be closed upon the



opening of the vehicle circuit, a movable member and means in the operating circuit to actuate said movable member when said operating circuit is closed.

1,581,892. COMBINED MUSIC RACK, HOLDER, AND TURNER. GERALD MASON VAN DYKE, Tientsin, China. Filed Aug. 20, 1924. Serial No. 733,201. 1 Claim. (Cl. 84—502.)

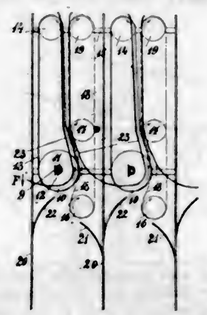


In a device of the character described, the combination with a base, of spaced back portions secured to said base, a shaft positioned between said back portions and secured to said base, a pair of sliders adjustably mounted on said shaft, a hinged arm secured to each of said sliders, downwardly extending clips secured to said arms, said clips having an orifice formed therein, springs mounted on said arms and adapted to have their free ends extending through the orifice in said clips, a pair of collars disposed on said shaft at a point below said base, hand levers secured to said collars, tubular extensions secured to said collars and extending upwardly, and rods extending from said sliders and having their free ends telescopically received in said tubular extensions, for the purpose specified.

1,581,893. GRUBBING UP OF SUCH PLANTS AS FLAX AND THE LIKE. ADRIEN VERSNAEYEN, Pont de Nieppe, France. Filed Feb. 17, 1925. Serial No. 9,848. 3 Claims. (Cl. 55—66.)

1. A grubbing device, including a wheel frame and a grubbing mechanism carried thereby, including longitudinally aligned rollers, a belt travelling thereover, a

second series of longitudinally aligned rollers, and a belt travelling over said latter rollers, said latter belt having a bearing contact on the first mentioned belt

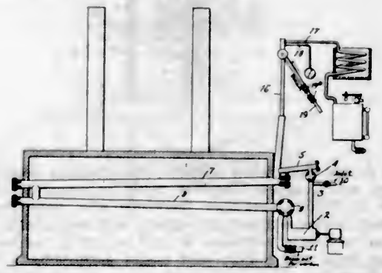


at a point coincident with one of the first mentioned set of rollers, said belts being spaced apart in advance of and in rear of said point of contact.

1,581,894. DIAL FOR THE TRANSFER IMPLEMENTS IN MACHINES FOR KNITTING WELTED AND OTHER FABRICS. JEAN BAPTISTE VICO, Colombes, France. Filed May 12, 1925. Serial No. 29,761. 1 Claim. (Cl. 66—95.)

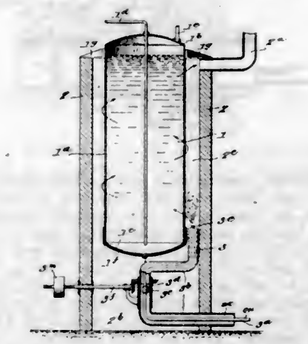
A dial for transfer implements for knitting machines for knitting welted and other fabrics, the dial comprising, two separate disc members fittable one into the other, there being an outer and an inner one, integral radial vertical fins projecting from the upper face and at the peripbery of the outer disc member, radial grooves provided in the upper face of the inner disc member, and means for securing the disc members together for the purpose described.

1,581,895. APPARATUS FOR CRACKING HYDROCARBONS. FRANK E. WELLMAN, Kansas City, Kans., assignor to The Kansas City Gasoline Company, Kansas City, Kans., a Corporation of Kansas. Filed Apr. 21, 1920, Serial No. 375,514. Renewed Feb. 12, 1926. 1 Claim. (Cl. 196—110.)



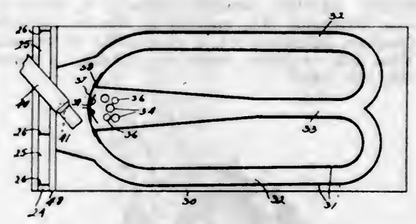
In a system of the type described the combination of cracking tubes, connected with a circulating pump having a discharge pipe, leading to a feed manifold from which distributing pipes are led to the cracking tubes, the pump having a capacity of greater than the capacity of said distributing pipes, together with a blow-out for carbon from a low point in the system on the intake side of the pump, and an inlet feed connection for fresh oil on the delivery side of the pump, said distributing pipes and cracking tubes being arranged with a downward inclination in the direction of forced circulation and connected to pass the entire mobile contents of the tubes directly to the pump or blowout.

1,581,896. METHOD OF HEATING OIL. FRANK E. WELLMAN, Kansas City, Kans., assignor to The Kansas City Gasoline Company, Kansas City, Kans., a Corporation of Kansas. Original application filed Dec. 15, 1921, Serial No. 523,062. Divided and this application filed Jan. 30, 1922, Serial No. 532,873. Renewed Feb. 12, 1926. 8 Claims. (Cl. 196—47.)



1. The method of cracking oil without liability to burning on the container of precipitated constituents, which consists in maintaining the bottom of the body of oil at a temperature below that at which burning can occur, and applying heat in rotary progression at constantly changing points to said body above the bottom thereof.

1,581,897. GAME APPARATUS. DIEDRICH WENDELKEN, Roebling, and FRANK WEBER, Burlington, N. J. Filed Aug. 7, 1925. Serial No. 48,694. 6 Claims. (Cl. 273—136.)

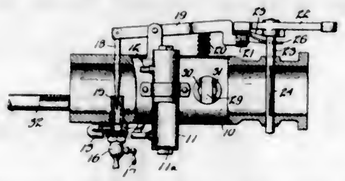


1. A game apparatus comprising a base board inclined in one direction, a platform board supported on the base board and inclined in the opposite direction, tracks on the platform board for guiding rollable game pieces to holes through the platform board, chutes disposed beneath said holes, a steep incline having separated spaces positioned beneath the chutes, spaced longitudinal walls on the base board providing channels leading from the spaces on the steep incline and producing an enclosure at the outer end in which are spots to receive game pieces, other walls on the base board producing an alley in communication with said enclosure, and removable means acting as a bar to one of the tracks adjacent the holes through the platform.

1,581,898. PROCESS FOR PRODUCING IRON COKE. HERBERT E. WETHERBEE, Cleveland Heights, Ohio, assignor of one-third to Richard F. Grant and one-third to Howard M. Hanna, both of Cleveland, Ohio. Filed June 13, 1924. Serial No. 719,873. 7 Claims. (Cl. 75—77.)

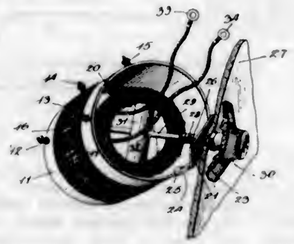
1. The herein described process for producing iron coke, which consists in intimately mixing iron hydroxides in moistened condition with suitable carbonaceous material and thereafter heating them in a reducing atmosphere sufficiently to produce sponge iron.

1,581,899. FLOATLESS CARBURETOR. LAWRENCE WHITEMAN, Shinnston, W. Va. Filed Aug. 18, 1922. Serial No. 582,710. 1 Claim. (Cl. 261—51.)



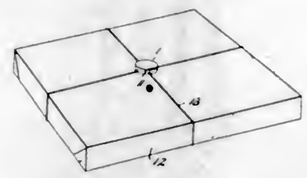
A carburetor comprising a body, a fuel nozzle in said body, a fuel inlet and fuel reservoir communicating therewith, an inlet for air into the body adjacent said nozzle, a throttle valve in said body, a needle valve for closing the fuel nozzle, a lever on said body pivotally supported intermediate its ends and having one end connected to said needle valve for operating the same, spring means associated with said lever normally forcing the needle valve against its seat, said lever having its free end provided with an offset portion, a roller on said offset portion, an operating arm for said throttle valve having an extension normally overlying the roller on said lever for pressing said roller toward said body against the action of said spring means for raising the needle valve from its seat, an adjustable cam plate carried on the underside of said extension for varying the angle of the inclined surface of the operating extension, and a set screw extending through said operating extension into engagement with said cam plate to vary the opening movement of the needle valve relative to the opening movement of the throttle valve, substantially as set forth.

1,581,900. TUNING DEVICE. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 28, 1924. Serial No. 734,670. 8 Claims. (Cl. 171—242.)



5. A tuning device, comprising an inductance formed by a conductor wound in successive turns about an axis, a second inductance formed by a conductor having a portion twisted about said first conductor as it extends about said axis, and a third inductance, said primary and third inductances being relatively adjustable to a position in which their central planes and axes coincide.

1,581,901. SEAL FOR BOXES, BOTTLES, AND THE LIKE. MARY F. F. WILSON, New Rochelle, N. Y. Filed Aug. 10, 1925. Serial No. 49,259. 2 Claims. (Cl. 292—325.)

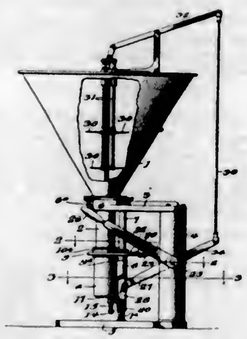


1. A package seal comprising a bottom provided with spaced tubular sections and a top provided with spaced tubular sections adapted to fit in the spaces between the first tubular sections and a wire passing through the said tubular sections to secure them together.

1,581,902. POLYHYDRIC ALCOHOL-ORGANIC ACID RESINOUS CONDENSATION PRODUCTS. JAMES G. E. WRIGHT, Alplaus, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 5, 1924. Serial No. 724,296. 5 Claims. (Cl. 260—8.)

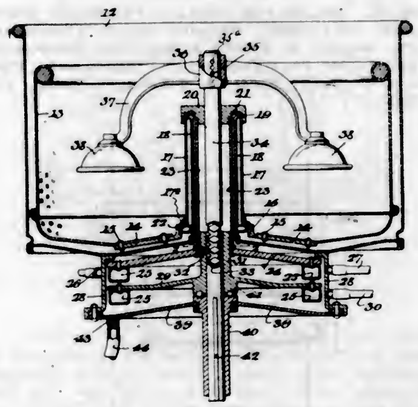
1. The method of accelerating the conversion to the infusible state of a polyhydric alcohol-organic acid initial condensation product which consists in heating said product while admixed with a small quantity of a finely divided material comprising a metal as an elementary constituent.

1,581,903. ICE-CREAM-CONTAINER-FILLING MACHINE. WILBUR L. WRIGHT, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed May 7, 1923. Serial No. 637,345. 7 Claims. (Cl. 226—95.)



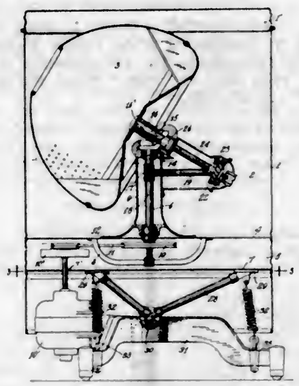
1. A container filling machine, comprising a depending filling nozzle, and a container turret to cooperate therewith in filling containers therefrom and embodying a member having a mouth to register with said nozzle, and means to hold a container to said mouth to receive ice cream from said nozzle, said means comprising a fixed rod depending from said member, an expansion spring on said rod, a sleeve slidable vertically on said rod and normally seated on said spring, and having a handle and a container upholding shelf having a supporting clamp normally fixed on said sleeve but adjustable longitudinally thereof.

1,581,904. WASHING AND DRYING MACHINE. CHARLES A. XARDELL, Utica, N. Y., assignor to The Xardell Corporation, Utica, N. Y., a Corporation of New York. Filed Mar. 13, 1924. Serial No. 698,975. 6 Claims. (Cl. 68—19.)



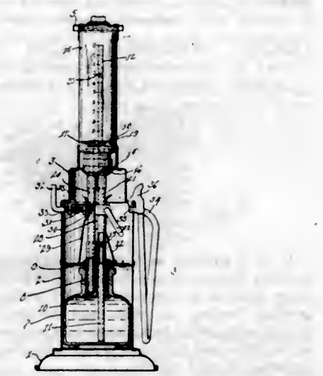
1. In a washing and drying machine, the combination with a foraminous receptacle, of a water wheel connected therewith, and means for rotating said receptacle at a low speed for a washing operation and at a high speed for a drying operation, a vertically reciprocating shaft provided with a cross-groove screw part, vertically reciprocating, non-rotating pounder devices carried by said shaft, and a second water wheel the hub of which is provided with a follower device engaging said cross-groove screw part of said shaft.

1,581,905. WASHING MACHINE. CHARLES A. XARDELL and MORRIS F. JONES, Utica, N. Y., assignors to The Xardell Corporation, Utica, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 751,768. 11 Claims. (Cl. 68—18.)



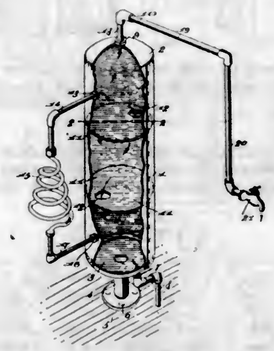
1. The combination of a casing adapted to hold cleansing liquid, means within said casing for repeatedly lifting the materials to be cleansed out of and allowing the same to drop into the cleansing liquid, and a shock absorbing support for said casing including a base having a connection with the casing allowing universal tilting movement of the casing with respect to said base.

1,581,906. TOY GAS-FILLING PUMP. CLARENCE GIFFORD AUSTIN, Woodstock, Ill., assignor of one-half to Benjamin W. Lance, Geneva, Ill. Filed July 11, 1925. Serial No. 43,032. 2 Claims. (Cl. 46—37.)



1. A toy gas filling station of the character described comprising a concealed reservoir for containing fluid, a visible reservoir of transparent material, means for pumping the fluid from the concealed reservoir into the visible reservoir, manual means for controlling the flow of fluid from said visible reservoir back into the concealed reservoir, said last named means consisting of a flexible tube having its opposite ends communicating with the interior of said concealed reservoir and with the interior of the visible reservoir, a spring having a portion thereof adjacent to the tube, and a manually actuated screw for moving said resilient member into engagement with the tube to constrict the tube.

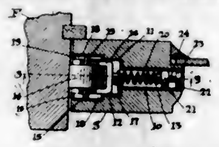
1,581,907. HOT-WATER TANK. EDWARD T. BARRON, Superior, Wis. Filed Jan. 7, 1924. Serial No. 684,919. 1 Claim. (Cl. 299—13.)



A tank of the character described comprising a vertically disposed shell closed at its upper and lower ends, a plurality of vertically spaced transverse partitions disposed within said shell, each of said partitions having a relatively small opening formed therethrough, said openings being out of vertical alignment with one another, means whereby a liquid may be supplied to the space within said tank below the lowermost of said partitions, a delivery pipe communicating with the tank at the highest part thereof, a heating coil, means whereby communication may be established between the space within said tank below the lowermost of said partitions and one end of said heating coil, and means whereby the space within said tank above the uppermost of said partitions may

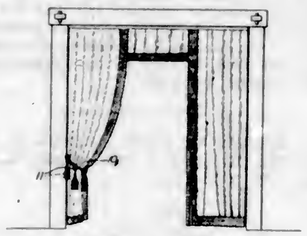
be connected with the opposite end of said heating coil, said heating coil and the connections between the heating coil and said tank being completely disposed between the levels of the upper and lower ends of said tank.

1,581,908. WEIGHTLESS SASH CONSTRUCTION. BERT E. BARTHOLOMEW, Pasadena, Calif. Filed July 25, 1924. Serial No. 728,131. 3 Claims. (Cl. 292—75.)



1. In a window sash frame, a housing, a roller having spindles journaled in a fork in said housing, said spindles being slidable in grooves in said housing, a spring in said housing having one end fixed to said fork, the other end of said spring being fixed to a nut, and a screw adapted to slide said nut in said housing, thereby varying compression in said spring.

1,581,909. ADJUSTABLE ORNAMENT FOR DRAPERY TIE BACKS. MORRIS BERNHARD, New York, N. Y., assignor to Morris Bernhard Co., New York, N. Y., a Corporation of New York. Filed Nov. 18, 1924. Serial No. 750,685. 3 Claims. (Cl. 156—33.)

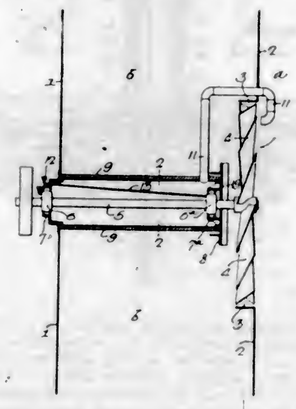


1. A drapery tie-back comprising a tie-back cord, and an ornament mounted on the cord for longitudinal adjustments.

1,581,910. MERIDIAN WATCH OR CLOCK. ROLAND FABIAN BERRILL, London, England. Filed Apr. 24, 1925. Serial No. 25,650. 3 Claims. (Cl. 58—43.)

1. In a time-piece for indicating the meridian of longitude at which it is a given time, a movable device bearing a succession of numerals and adapted to bring each of the said numerals into view in succession, a mechanism adapted to be rotated continuously, and spring-operated means cooperating with the said rotating mechanism and said device to retain the said device for a period of four minutes in a position in which one of the said numerals is in view and to move in at the end of each period of four minutes to bring the next succeeding numeral into view.

1,581,911. MEANS FOR COOLING FAN-SHAFT BEARINGS OF DRIERS. HERMANN BOGATY, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1922. Serial No. 552,808. 1 Claim. (Cl. 230—11.)

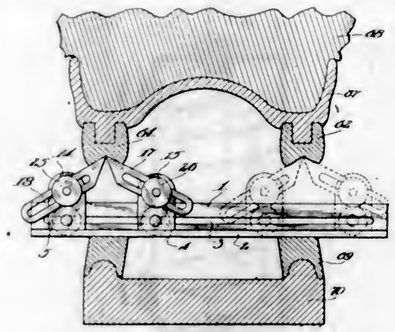


The combination in a drier, of a main casing enclosing a chamber in which heated air is in circulation; a shaft extending into the chamber; a circulating fan at the inner end of said shaft; an inner bearing and an outer bearing for the shaft; an enclosing casing for the bearings and the shaft between the bearings, the space within said enclosing casing being open at the outer end to admit fresh air and closed at the inner end; and a pipe connected to the inner end of the last mentioned enclosing casing and extending to the suction side of the circulating fan to cause a circulation of fresh, cool air past the bearings.

1,581,912. CARD MOUNT. HARRY J. BORN, Merchantville, N. J., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1925. Serial No. 30,065. 2 Claims. (Cl. 40—159.)

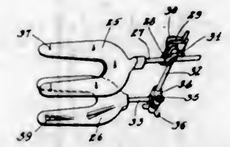
1. The combination in a card mount, of a base section; an intermediate section having openings therein; and a slotted face section, the slots in the face section being over the openings in the intermediate section.

1,581,913. ACTO-PASSIVE PLANE ANGLER. HARRY A. BONOFF, Los Angeles, Calif. Filed Jan. 24, 1924. Serial No. 688,244. 3 Claims. (Cl. 33—174.)



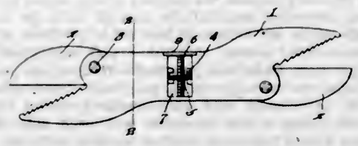
1. A device for measuring and indicating the angles of inclination of the active and passive planes of teeth comprising a base member, movable means adjustable upon said base member, and tapered fingers adjustably mounted upon said movable means adapted to have their ends engage whereby the angles of inclination of the active and passive planes may be determined from the edges of said fingers.

1,581,914. PROTRUSION-BITE RECORDER. HARRY A. BONOFF, Los Angeles, Calif. Filed Dec. 12, 1924. Serial No. 755,436. 7 Claims. (Cl. 32—1.)



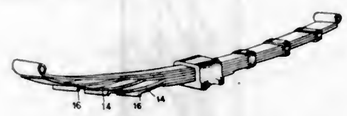
1. A protrusion bite recorder comprising a pair of U-shaped plates, an arm carried by one of said plates, a clamping collar rotatable upon said arm, means for clamping said collar upon said arm, a pin carried by said clamping collar, a second clamping collar rotatable upon and adapted to be clamped upon said pin, a second arm carried by the other plate, a third clamping collar pivoted to said second clamping collar and rotatable upon said second arm, and means for clamping said third clamping collar against rotation with respect to said second clamping collar and said second arm.

1,581,915. WRENCH. JOHN BRADLEY, Anglesea, N. J. Filed July 5, 1922. Serial No. 572,933. 1 Claim. (Cl. 81—77.)



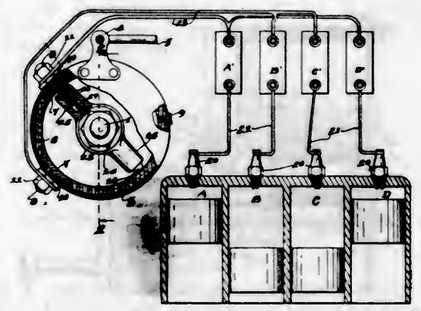
A wrench of the class described, comprising a handle having a stationary jaw at each end thereof and a socket at each end arranged adjacent the jaw and said handle having a transverse opening therein in communication with the inner ends of said sockets, a plate closing the outer end of said opening, a threaded shaft having one end supported by said plate and its other end carried by the bottom wall of the opening, a nut threaded on said shaft, and movable thereon and movable jaws pivoted in the sockets and each of said movable jaws having a notch in its inner end for receiving a portion of said nut.

1,581,916. METHOD OF DAMPING OSCILLATIONS IN LEAF SPRINGS FOR VEHICLE SUSPENSION AND OTHER PURPOSES. FERNAND LOUIS BROUSSOUSE, Paris, France. Filed Oct. 11, 1924. Serial No. 743,032. 3 Claims. (Cl. 267—53.)



1. A spring of the character described comprising a plurality of spring leaves of varying lengths, each leaf including a concave body portion for supporting the load, and concave end portions of suitable radius and length, and means for obtaining static tension in said leaves independent of the load, said means consisting of tightening straps confining said concave end portions.

1,581,917. TIMER FOR INTERNAL-COMBUSTION ENGINES. CARL O. BRUNO, Los Angeles, Calif., assignor, by direct and mesne assignments, to Bigelow-Bruno Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1920. Serial No. 393,547. 5 Claims. (Cl. 200—26.)

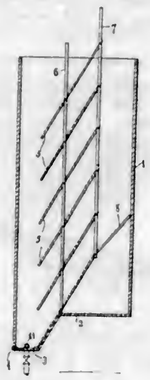


2. A timer for internal combustion engines having a plurality of cylinders, comprising a rotatable contact maker having diametrically opposed contacts, a casing disposed about said contact maker, stationary contacts arranged circumferentially in said casing and engageable with the contacts of said contact maker, said stationary contacts being less in number than the number of cylinders of the engine to which said timer is applied.

1,581,918. PRODUCTION OF FERMENTABLE WORTS. WILLIAM HASTINGS CAMPBELL, Monasterevan, Ireland. Filed July 18, 1925. Serial No. 44,611. 3 Claims. (Cl. 195—32.)

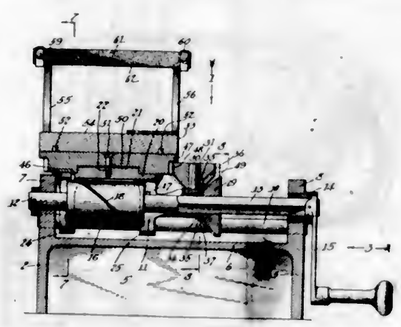
3. The process of producing fermentable liquid worts by extracting fermentable bodies from solid materials containing the same by a solvent liquid adapted to constitute the solvent liquid component of the wort, and in which said bodies are soluble, which comprises forming a suspension of the solid material in said solvent liquid,

allowing the solid material in said suspension to settle in a plurality of layers, withdrawing a part of the liquid portion of the same, circulating a portion of said with-



drawn liquid through said plurality of layers to cause extraction of the same, withdrawing the residual portion from said layers after the extraction has occurred, and then withdrawing the solid material from said layers.

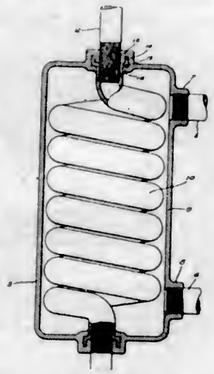
1,581,919. TOOL-SHARPENING DEVICE. LEON G. CASE, Eagle Rock, Calif. Filed Apr. 10, 1924. Serial No. 705,540. 5 Claims. (Cl. 51—56.)



1. A tool sharpening device comprising a grinder mounted to rotate and having a grinding face crosswise of its axis of rotation and mounted to reciprocate in a line cross wise of its axis of rotation and having a non-rotating grinder reciprocating with the rotating grinder for removing the bur from the back of the ground edge on a tool, and an adjustable tool holder adapted to hold the edge of a tool yieldingly against the rotating reciprocating grinder and adapted to swing the back of the ground edge against the reciprocating grinder.

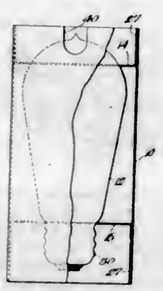
1,581,920. WATER HEATER. CHARLES DARGENT, Brooklyn, N. Y. Filed Nov. 19, 1924. Serial No. 750,872. 4 Claims. (Cl. 257—229.)

1. A water heater, comprising a metallic casing formed with hollow internally threaded bosses at each end, a lead-in-pipe near one end of the casing, a lead-out-pipe near the opposite end of the casing, a heating coil mounted in the casing and formed with integral flared ends, said casing being cast around said flared ends whereby said ends are embedded in the casing, said flared ends being internally threaded and arranged in line with the



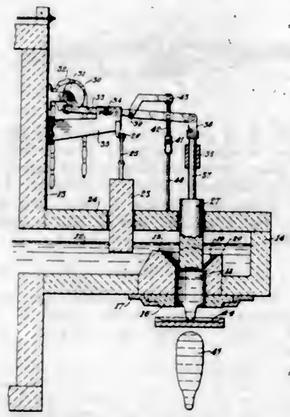
threaded portions of the bosses for receiving connecting pipes whereby part of the threads of the connecting pipes will engage the threads of the bosses and part will engage the threads in the ends of the coil.

1,581,921. CONTAINER FOR ELECTRIC LAMPS. RALPH N. DOBLE, Bayside, N. Y., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1924. Serial No. 705,759. 2 Claims. (Cl. 206—62.)



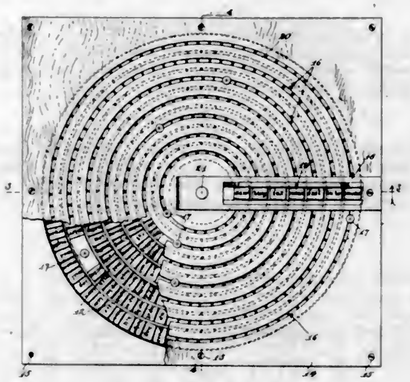
1. The combination with an electric lamp, of an individual shipping carton therefor of cardboard of like fibrous material having a body portion comprising a rectangular hollow sleeve, lamp engaging means secured to the sleeve adapted to engage portions of the lamp near the opposite ends thereof at points within the sleeve and spaced from each end thereof, the lamp engaging member for engaging the plug end of the lamp comprising a flap secured to each wall of the sleeve and folded inwardly toward the interior of the sleeve to form portions extending substantially parallel with the respective side walls of the sleeve and other portions extending transversely across the sleeve and superposed one upon the other, which are provided with openings adapted to register and through which plug end of the lamp extends to be exposed, and lamp engaging means for the bulb comprising a flap intergral with each side of the wall and folded first to a position parallel with the sides of the wall and thence transversely and provided with openings for receiving the bulb at a substantial distance from the end thereof, whereby the filament is exposed to view from the end thereof, when the plug is attached to the testing mechanism, substantially as described.

1,581,922. GLASS FEEDER. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 23, 1924. Serial No. 689,021. 17 Claims. (Cl. 49—55.)



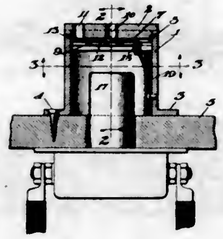
1. The combination of a container for molten glass, an annular member projecting upward from the floor of the container and providing an open bottomed well through which glass is discharged from the container, means for maintaining a supply of molten glass within the container with the level of the glass above the upper surface of said member, a plunger projecting downward into the well, and means to periodically reciprocate the plunger up and down.

1,581,923. EDUCATIONAL APPLIANCE. JOHN HENRY FROME, Rushland, Pa. Filed July 17, 1925. Serial No. 44,261. 3 Claims. (Cl. 35—9.)



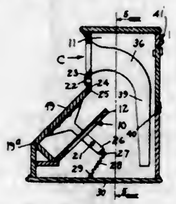
1. An educational apparatus comprising a plurality of concentrically arranged annular word-bearing elements disposed in the same plane and spaced apart radially, a housing within which said elements are mounted for rotatory movement, a covering wall constituting part of said housing having a radial window opening through which the words of each word-bearing element are selectively exposed, said covering wall having a plurality of substantially annular concentric slots disposed intermediate the width of each word-bearing element and a manipulating knob for each word-bearing element having a shank extending through the respective slot and anchored in the work-bearing element, said covering wall having a radial window opening intersecting all of said word-bearing elements for singly and selectively exposing the words of said word-bearing element through said window opening and means within the housing disposed between the adjacent periphery of each word-bearing element for guiding the same in its rotatory movement, said means comprising a plurality of annular series of guide pins.

1,581,924. PROTECTOR FOR AUTOMOBILE STARTING-SWITCH BUTTONS. ELI M. GREENLEE, Newport, Ky. Filed July 30, 1925. Serial No. 47,143. 5 Claims. (Cl. 200—42.)



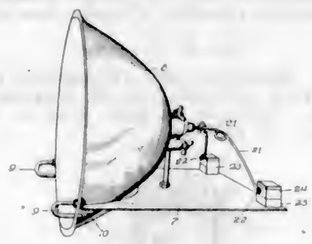
1. A closure for a motor starter switch button, comprising a casing having apertures through a wall thereof for key insertion, a latch member horizontally slidably mounted within said casing as a closure for said apertures, and a key engageable through said casing apertures arranged to actuate said latch member and engage a starter button enclosed by said casing.

1,581,925. CABINET. HERMAN C. HANSON, Eagle Rock, Calif. Filed May 8, 1925. Serial No. 28,840. 2 Claims. (Cl. 45—52.)



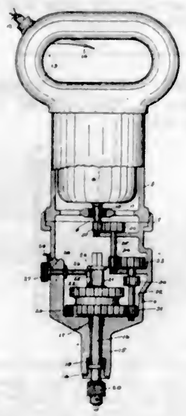
1. A cabinet comprising in combination a bottom, a back and a front wall, the back wall being much higher than the front wall, an inclined closure member having its lower edge resting on the upper edge of the front wall, a front panel parallel to the back and positioned considerably behind the front wall, a pair of end walls and a top for the cabinet, a pair of brackets pivotally mounted on the inside of the end walls, forming a swivel mounting for the inclined closure member, a radio panel positioned within the cabinet, substantially parallel to the inclined closure member when in closed position, said brackets being pivotally mounted in such position whereby when the inclined closure member is swivelled from a closure position substantially parallel to the radio panel, to a position substantially at right angles to the upper edge thereof, the lower edge of the closure member engages the lower end of the front panel when in its open position and forms an interior closure for the upper part of the cabinet, a brace secured to the front wall, an inclined board extending from the inner end of the brace to the upper edge of the front wall, the said brace and inclined board forming a support for the lower edge of the radio panel.

1,581,926. HEADLIGHT. LEE B. JONES, EARL W. JONES, and EDWARD H. WERZNER, Evansville, Ind., assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind., a Corporation of Indiana. Filed Aug. 5, 1920. Serial No. 401,536. 16 Claims. (Cl. 240—41.)



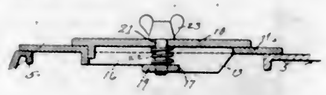
13. In a headlight, a casing, a reflector, a supporting platform for said reflector positioned between the axis and the lower edge of the latter and directly secured thereto at the edges thereof, a post mounted on said platform and supporting said reflector near the middle thereof, and a brace attached to said platform and said reflector.

1,581,927. ELECTRIC DRILL. GEORGE L. KOLLOCK, Seattle, Wash. Filed July 11, 1923. Serial No. 650,864. Renewed Jan. 20, 1926. 1 Claim. (Cl. 74—58.)



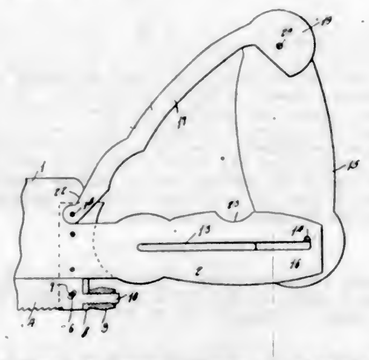
A portable electric drill embodying a housing, a drill shaft rotatably mounted in said housing, a motor mounted in said housing, a shaft connected with said motor, a pinion on said motor shaft, an idler shaft, a gear on the upper end of said idler shaft in mesh with the pinion on said motor shaft, a pinion on the lower end of said idler shaft, a jack shaft, a gear on the upper end of said jack shaft in mesh with the pinion on the lower end of said idler shaft, a larger pinion on said jack shaft, a smaller pinion on said jack shaft, a sleeve slidably mounted on said drill shaft, a larger gear on said sleeve arranged to be moved into mesh with the smaller pinion on said jack shaft, a smaller gear on said sleeve arranged to be moved into mesh with the larger pinion on said jack shaft, and means operable from the exterior of said housing for moving said sleeve to selectively mesh with either gear thereon with its respective pinion on the jack shaft and to unmesh the other gear.

1,581,928. TRANSMISSION COVER FOR MOTOR VEHICLES. CHARLES A. KRAUSE, Santa Rosa, Calif. Filed May 4, 1925. Serial No. 27,918. 3 Claims. (Cl. 74—56.)



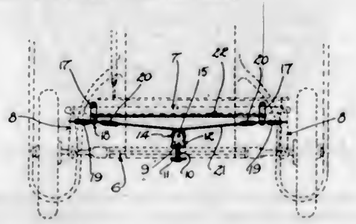
1. In a device of the character described the combination with an automobile having a transmission housing, of a cover plate positioned thereon and having an opening formed in said cover plate, an auxiliary cover plate adapted to close the opening of said first mentioned cover plate, and a pivoted locking bar secured to said auxiliary plate, for the purpose specified.

1,581,929. HANDLE FOR CUTLERY. ADREAN LAFAVE and ADOLPHUS LAFAVE, Tupper Lake, N. Y. Filed June 16, 1925. Serial No. 37,471. 2 Claims. (Cl. 147—77.)



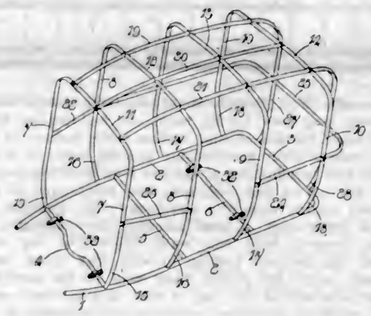
1. A handle for cutlery comprising a blade provided with a shank having an elongated slot therein, a handle mounted to slide on said shank, and a pin on said handle engaging in the slot in the shank.

1,581,930. STEERING CONTROL. FRANK WILLIAM LAMBERT, Darlinghurst, near Sydney, New South Wales, Australia. Filed Oct. 13, 1925. Serial No. 62,272. 3 Claims. (Cl. 280—89.)



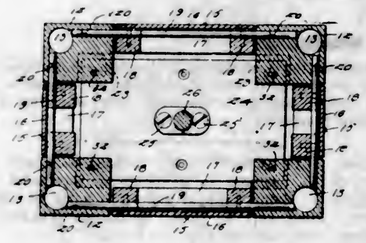
1. Improved steer control for motor cars and trucks, comprising a rotatable member attached about midway to the front axle member, a flexible connection adapted to pass around or on said rotatable member, the opposite ends of said flexible connection having each a tension spring interposed between it and the corresponding end of the track rod and a compression spring secured to the steering arm on the same side and about the point of attachment of said tension spring.

1,581,931. CONSTRUCTION OF VEHICLE BODIES. HENRY ARTHUR LAMPLUGH, Olton, England. Filed Nov. 13, 1923. Serial No. 674,572. 1 Claim. (Cl. 296—28.)



In a vehicle body, a frame comprising a plurality of longitudinal tubular members of D section and a plurality of transverse tubular members of D section, all of said members having their flat sides disposed inwardly, said members being arranged in intersecting relationship and connected together at their points of intersection, one member of each intersecting pair being trapped to provide a recess of a depth to allow the other member of the pair to lie therein whereby the flat sides of all the tubes lie flush.

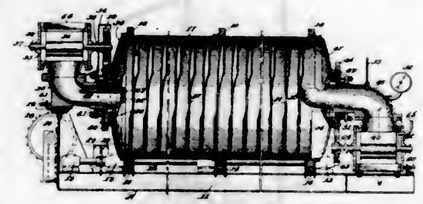
1,581,932. ADJUSTABLE BOX FORM FOR WRAPPING MACHINES. JOHN W. LANDRUM, Lynchburg, Va., assignor of one-third to Samuel C. Whitlow and one-third to Edward T. Dance, both of Lynchburg, Va. Filed May 2, 1925, Serial No. 27,478. Renewed Feb. 25, 1926. 5 Claims. (Cl. 93—59.)



1. A device of the class described comprising a panel, corner blocks disposed thereon, intermediate blocks between the corner blocks, bars connecting the corner blocks, a bar in saddled relation to the first mentioned bars, and a fastening element for the panel extending through the last mentioned bar.

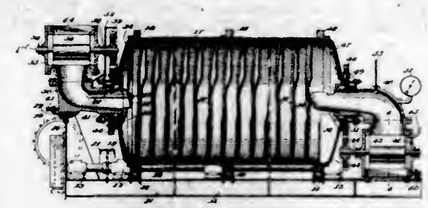
1,581,933. VEGETABLE-BLANCHING MACHINE. WILLIAM LARSEN, Green Bay, Wis.; Austin C. Larsen, Milton W. Larsen, and Joseph H. Tayler, executors of said William Larsen, deceased. Filed Nov. 15, 1921. Serial No. 515,288. 3 Claims. (Cl. 99—2.)

3. An apparatus of the character described, comprising a rotatable cylindrical container closed at its ends, inlet and outlet nozzles extending through the ends of the container, valved casings connected with said nozzles for admitting and discharging water and vegetables to and from the container, means for introducing live stem into the container, means interiorly of the container for feeding the vegetables from one end to the other, buckets at the discharge end of the container for delivering



vegetables and water to the outlet nozzle, and connections between the container and the valves in the valve casings to operate said valves on rotation of the container.

1,581,934. PROCESS FOR BLANCHING VEGETABLES. WILLIAM LARSEN, deceased, late of Green Bay, Wis., by Austin C. Larsen, Milton W. Larsen, and Joseph H. Tayler, executors, all of Green Bay, Wis. Filed Aug. 24, 1922. Serial No. 584,014. 2 Claims. (Cl. 99—11.)

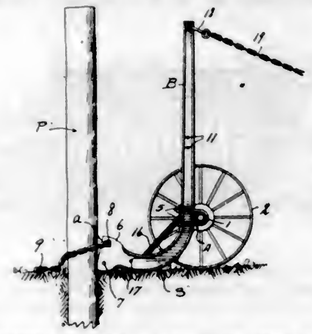


1. The process of cooking vegetables or the like for canning, which consists in causing a body of hot water to move progressively through a substantially fluid tight casing so that the entire extent of said water will pass from one end thereof to the other end in a predetermined time, introducing hot water at one end and discharging it from the other end of said body of water to maintain the same constant, introducing steam under pressure above said body of water to uniformly contact the entire surface thereof and maintaining said encased steam at a pressure and the boiling point of said water above normal, introducing vegetables into said body at or near the point where the hot water is introduced in amount proportional to the amount of hot water so introduced, and moving said vegetables with the body of hot water and discharging the vegetables with the hot water, said period of time from the introduction of vegetables and hot water to the discharge thereof being just sufficient to properly cook the vegetables.

1,581,935. POST PULLER. HANS CHRISTIAN FRIEDERICH LASE, Bancroft, Nebr., assignor of one-half to Karl J. Kolmorgan, Bancroft, Nebr. Filed Jan. 22, 1925. Serial No. 4,075. 1 Claim. (Cl. 254—132.)

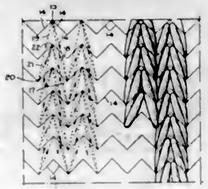
A post puller comprising, in combination, an axle, ground engaging means supporting said axle, a beam provided at one end with an upstanding arcuate extension, means for operatively connecting said beam with the axle to permit said beam to have swinging movement in a vertical direction, such connection between the beam and axle being at a point in close proximity to the arcuate extension, said arcuate portion being disposed on a radius to contact with the ground when the beam is vertically disposed to maintain the beam in such position, the outer end portion of the beam being flattened

to provide a plate coplanar with the beam, the outer edge of said plate being straight and arranged on a slight



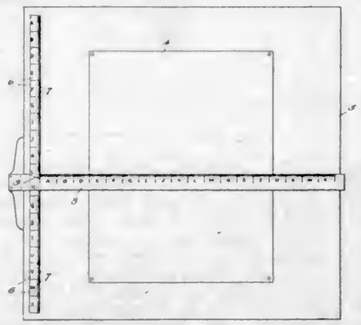
incline converging inwardly toward the beam, and work engaging means secured to the plate adjacent to the inner or lower end of the inclined edge of the plate.

1,581,936. EMBROIDERY PATTERN AND METHOD OF MAKING THE SAME. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1926. Serial No. 80,925. 8 Claims. (Cl. 2—278.)



1. In an embroidery pattern, a single thread forming a series of groups of stitches positioned to form an exactly one angle wide series of longitudinally nested angles, the separated ends of the sides of each angle being partially but substantially overlapped by portions of the sides of the next adjacent enclosed angle.

1,581,937. SYSTEM FOR TRANSMITTING GRAPHIC ILLUSTRATIONS. LE ROY J. LEISHMAN, Ogden, Utah. Filed Mar. 27, 1919. Serial No. 285,570. 6 Claims. (Cl. 178—5.)

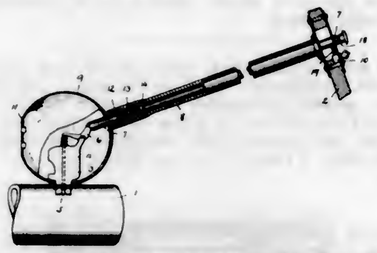


1. The method of transmitting a picture which consists in dividing the pictures into irregular areas of uniform shade, determining code words to denote the boundaries of such areas and the shade enclosed by each of such boundaries and in sending such code words.

1,581,938. RECEPTACLE FOR USE BY CAP MAKERS. HARRY LIBSHITZ, Atlantic City, N. J. Filed July 24, 1925. Serial No. 45,920. 1 Claim. (Cl. 211—6.)

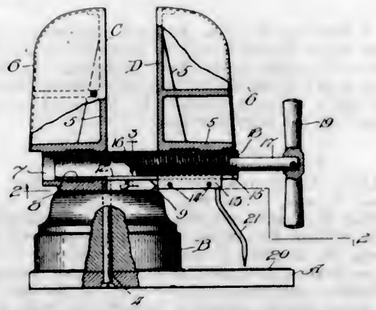
A receptacle of the character set forth comprising, a relatively long body having back, end and bottom walls, the forward portion of said bottom being formed to provide a substantially semicircular upward curve to set up a front wall terminating at the top a substantial distance below the top of the receptacle, the front edge of each end wall sloping upwardly and backwardly from the top of said front wall, a longitudinally extending tray arranged between said end walls below the top edges thereof, the forward portion of said tray being curved upwardly above the curved front wall of the receptacle and terminating at the top of said sloping front edges, and a series of partitions extending transversely of said tray to set up a longitudinally extending series of transversely arranged compartments in the upper portion of said receptacle.

1,581,939. SIGNALING DEVICE. DANIEL E. MCIVER, Duluth, Minn., assignor of one-third to John S. McIver and one-third to A. Selmer Olson, both of Duluth, Minn. Filed Sept. 12, 1925. Serial No. 56,064. 1 Claim. (Cl. 116—33.)



A housing for a signaling device for automobiles comprising two hingedly united semi-spherical members, having a cooperative screw-threaded tube engaging nipple extending therefrom.

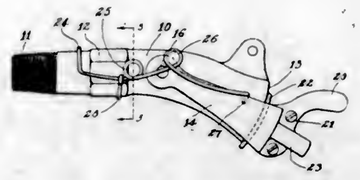
1,581,940. HAT STRETCHER. GEORGE MARGOLIN, New York, N. Y., assignor to Benjamin J. Garfunkel, New York, N. Y., doing business under the name or style of Garvé. Filed July 9, 1924. Serial No. 724,926. 10 Claims. (Cl. 223—33.)



10. A hat stretcher in which is combined a pair of relatively movable blocks, tubular means fixedly secured to one block and extended therefrom through the other

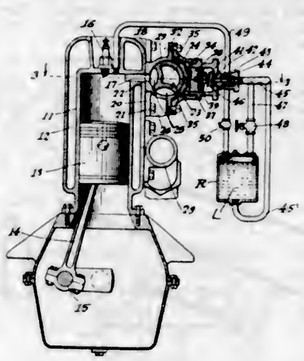
to provide a slidable support therefor, and a screw-threaded device longitudinally confined within said tubular means having a screw-threaded engagement with said last named block whereby to move the same relative to the other block, substantially as described.

1,581,941. SPRING CLOSURE FOR MOLASSES GATES. WILLIS H. MARTIN, Los Angeles, Calif. Filed Dec. 23, 1924. Serial No. 757,642. 3 Claims. (Cl. 251—125.)



1. In combination with a molasses gate having a spout and a closure having a pair of arms pivoted to the sides of the spout, spring means for closing the closure comprising a section of spring wire bent over the top of the spout, each end of the section extending forwardly and being bent to form a plurality of coils, the extremities of the ends being bent inwardly so as to bear upon the arms of the closure, and a second section of wire extending beneath the spout and having its ends secured to the ends of the first section behind said coils.

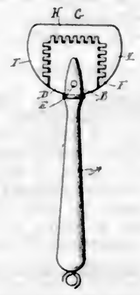
1,581,942. ROTARY-VALVE-TIGHTENING MECHANISM. EVERT RICH, Los Angeles, Calif. Filed Jan. 23, 1925. Serial No. 4,189. 2 Claims. (Cl. 123—190.)



1. In an internal combustion engine, a rotary valve, intake and exhaust ports adapted to be opened and closed by said valve and arranged upon one side thereof, a conduit communicating with a cylinder of said engine, a liquid reservoir into which said conduit discharges, a member engageable upon said valve upon the opposite side of said ports, a piston associated with said member, and means for applying pressure developed within said reservoir to said piston as and for the purpose described.

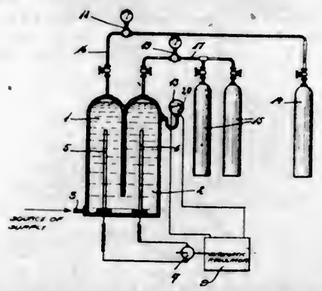
1,581,943. DISH CLEANER. SAMUEL F. BUNKER, Chicago, Ill. Filed June 3, 1925. Serial No. 34,593. 3 Claims. (Cl. 15—245.)

1. In a dish cleaner, the combination of a handle having on its end an enlarged holding portion provided around three of its edges with a channel and a rubber-like edging section comprising a cross strip and rearwardly extending side strips entered within the cross and



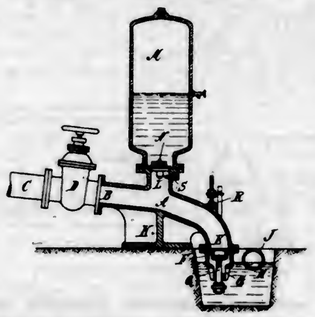
side portions of the channel, the edging strip having its edges outwardly protruding from the several portions of the channel, substantially as described.

1,581,944. PRODUCTION OF COMPRESSED GASES BY ELECTROLYSIS. PAUL HAUSMEISTER, Goppingen, Germany. Filed Nov. 17, 1923. Serial No. 675,410. 1 Claim. (Cl. 204—1.)



The process of maintaining the purity of gases generated from an electrolyte in a closed container, which consists in maintaining a constant pressure in said container to thereby prevent the release of a mixture of gases due to variations in pressure encountered during the production of said gases.

1,581,945. HYDRAULIC RAM. CHRISTOF HEERLEIN, Nuremberg, Germany, assignor to Pfister & Langhauss Akt.-Ges., Nuremberg, Germany. Filed July 1, 1925. Serial No. 40,792. 1 Claim. (Cl. 103—77.)



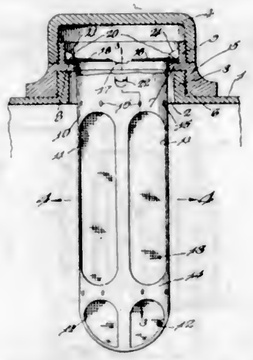
A hydraulic ram comprising a curved pipe secured at one end to a power conduit and having a pipe stud intermediate its ends; a percussion valve secured at the other

end of said pipe; a vertically disposed air tank secured to said pipe stud; a valve in said pipe stud which is adapted to admit water into the tank; and a double circular spring secured to the outside of said pipe and being adapted to force said percussion valve in its open position, said spring being adjustably mounted at the pipe connection.

1,581,946. COMPOSITION TO ASSIST IN DYEING AND FINISHING OPERATIONS. SEYMOUR M. HERMANN, New York, N. Y. Filed Sept. 19, 1925. Serial No. 57,468. 5 Claims. (Cl. 8—6.)

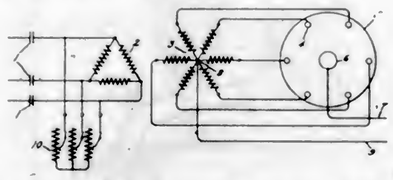
1. A composition to assist in dyeing operations, that is composed of a solution prepared by extracting hops with alcohol, to which is added a solution prepared from gall by boiling in water, said components being mixed about equal proportions of said two ingredients.

1,581,947. GASOLINE FILTER. KERMIT HOBBS, San Antonio, Tex. Filed Apr. 17, 1925. Serial No. 23,948. 3 Claims. (Cl. 210—169.)



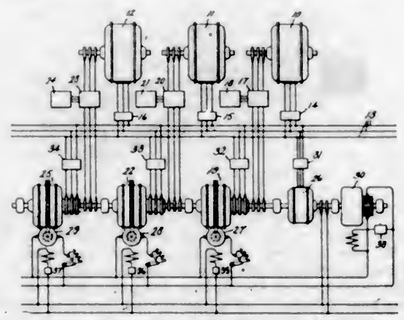
1. In combination with the sleeve having an inwardly extending shoulder and oppositely disposed lugs upon the interior of the sleeve and above the shoulder, a filter having an angular flange at its upper end resting upon said shoulder, said flange having notches at diametrically opposite points to permit the passing therethru of said lugs, pivoted locking members carried by the flange and normally resting thereon, recessed portions intermediate the ends of said locking members for receiving therein said lugs, to retain the flange against movement relative to the shoulder.

1,581,948. DIRECT-CURRENT VOLTAGE CONTROL OF CONVERTER SYSTEMS. HENRY M. HOBART, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 4, 1922. Serial No. 549,626. 4 Claims. (Cl. 171—119.)



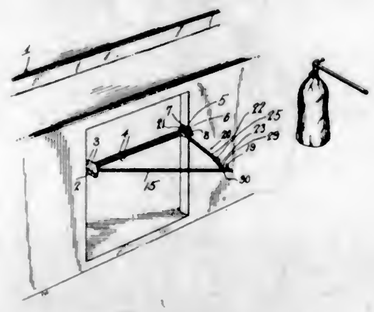
1. A system for converting alternating current to direct current comprising a converter of a type wherein the direct current and alternating current voltages are interdependent, condenser apparatus in the alternating current supply circuit of said converter, and means associated with said supply circuit for varying the wattless current flowing through said condenser apparatus for the purpose of varying the direct current voltage of said converter.

1,581,949. SEGREGATED DRIVE FOR PAPER-MAKING MACHINES AND THE LIKE. EDWARD H. HORSTKOTTE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 9, 1925. Serial No. 61,607. 4 Claims. (Cl. 172—293.)



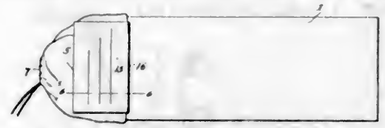
1. In a segregated drive for a paper machine or the like, a separate slip ring type alternating current motor for driving each of separate units of the machine, a common source of alternating current for the primary windings of said motors, a plurality of frequency converters having rotating elements driven with a fixed speed relation between the said elements, each of said converters being interposed between the said source of supply and the secondary windings of an associated driving motor, and means for adjusting the relation of the frequency conversion effected by said converters.

1,581,950. MAIL-BAG CATCHER FOR MAIL CARS. MEDERICK HOULE, Swainsboro, N. H. Filed Oct. 10, 1924. Serial No. 742,837. 2 Claims. (Cl. 258—22.)



1. A mail bag setting device comprising a pair of parallel arms provided at opposite ends with means for pivotally mounting them on the opposite sides of a mail car door frame, a housing carried at one end of said arms, a mail bag catcher arm having a pivotal mounting in said housing and provided with means for yieldingly impelling it toward said parallel arms, and a toggle joint tripping arm having one of its elements pivotally mounted at its extremity at the ends of the parallel arms remote from the housing and the other element having a terminal engaging a seat in the catcher arm, said elements having abutting ends normally holding the elements in approximate alignment, and the parallel arms normally holding the tripping arm in a position for impact with a mail sack at or adjacent the point of connection between its elements.

1,581,951. MAILING DEVICE AND METHOD OF MAKING THE SAME. IRWIN F. HUEBNER, Allentown, Pa. Filed June 18, 1923. Serial No. 646,097. 8 Claims. (Cl. 229—72.)

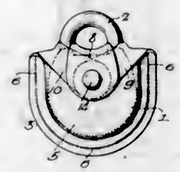


2. A mailing device comprising, in combination, a paper envelope; an open-ended, fabric tube into one end of which projects an end of said envelope, said ends of the envelope and the tube being folded together to form an interlock between the envelope and the tube and close said end of the fabric tube; securing means passing through said folded portions; and means for closing the open end of the fabric tube.

1,581,952. CHAIN TIGHTENER AND FASTENER. JAMES L. IRWIN, Fairport, Iowa. Filed June 23, 1925. Serial No. 39,086. 3 Claims. (Cl. 24—68.)

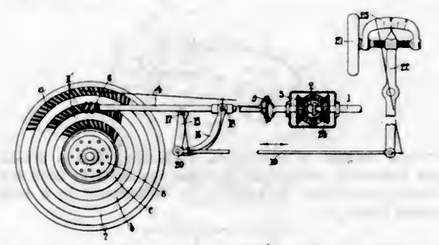
1. A chain tightener and fastener comprising a pair of elongated members, each having an end portion continued by a return arm, means for pivotally connecting the free end portions of said arms, about which said arms are swingable from a position where the members substantially aline and are uncrossed to a position where the members substantially aline and have their end portions crossed, the end portions of the members and the return arms thereof combining in the last named position to produce an eye and means for holding said members against relative swinging movement when in the last named position.

1,581,953. PROTECTING COVER FOR PADLOCKS. ARTHUR C. JACKSON, Philadelphia, Pa., assignor to The Yale and Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut. Filed Oct. 8, 1923. Serial No. 667,285. 2 Claims. (Cl. 150—52.)



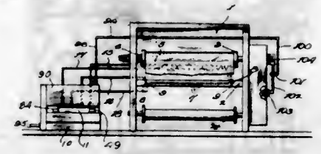
1. A cover for a padlock having a pocket for the body of the lock and three tongues spaced apart, the central tongue being arranged to pass through the space formed by the shackle, the other two tongues being arranged to close the opening in the pocket outside of the shackle; and a fastening device by which the tongues are secured to the casing.

1,581,954. CHANGE-SPEED GEAR FOR MOTOR CARS. THOMAS SPENCER JAMES, Leigh-on-Sea, England. Filed May 18, 1925. Serial No. 31,224. 2 Claims. (Cl. 74—58.)



1. Change speed gearing, comprising opposing members, concentrically arranged worm rings mounted in grooves formed in the members to provide pairs of opposing worm wheels, a shaft arranged between the members and carrying a worm for simultaneous cooperation with any pair of worm wheels, means for operating the shaft for cooperation with a selected pair of worm wheels, and means for permitting a limited movement of each of the worm wheels independent of the members.

1,581,955. PNEUMATIC MUSIC-SHEET CONTROL FOR PLAYER PIANOS. JOHN H. KARSTETTER, Altoona, Pa. Filed Jan. 5, 1923. Serial No. 610,834. 9 Claims. (Cl. 84—140.)

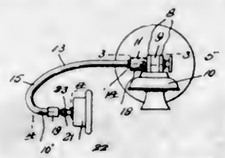


1. In automatic music sheet controlling means for player pianos and like instruments, in combination, a tracker bar having the usual series of openings, a set of openings located one at each end of the said series, means for effecting lateral shifting movement of a music sheet passing over the tracker bar embodying a prime mover comprising a two-chambered pneumatic, a pneumatic chest having a negative-pressure chamber and air passages in communication with the atmosphere and also establishing communication between the chamber and respective ones of the chambers of the pneumatic, valves controlling said passages and arranged in a lowered position to close communication between the respective chambers of the pneumatic and the atmosphere and open communication between said respective chambers of the pneumatic and the chamber of the pneumatic chest and in an elevated position to open communication between the respective chambers of the pneumatic and the atmosphere and close communication between said respective chambers and the chamber of the pneumatic chest, the said pneumatic chest having air chambers, diaphragms extending over said chambers and located each beneath a respective one of the said valves, and means actuated through admission of air through respective ones of the openings of the first-mentioned set for admitting air under atmospheric pressure into respective ones of the last-mentioned air chambers beneath the respective diaphragms to elevate the respective valves.

1,581,956. TELEPHONE STAND. WILLIAM H. KEEFER, Union Bridge, Md. Filed Dec. 4, 1923. Serial No. 678,457. 2 Claims. (Cl. 179—149.)

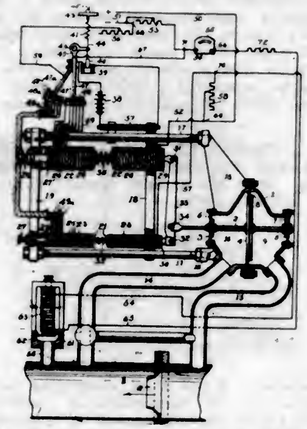
1. A telephone construction comprising a conduit having its outer end provided with a return bend, a sleeve provided with a bolt by means of which it is adapted

to be adjustably connected to the standard of the telephone, the inner end of said conduit being adjustably mounted in the sleeve, a socket into which the outer end



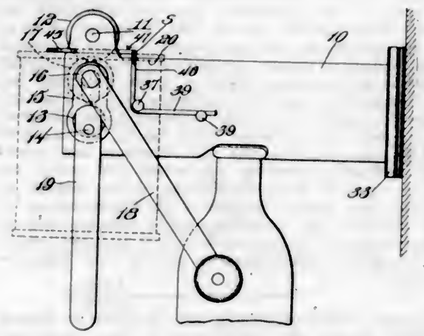
of said conduit is adjustable, a receiver, and a pivotal and adjusting connection between the receiver and said socket permitting the receiver to be adjusted in a horizontal plane.

1,581,957. FLOW METER. JOHN DONALD KELLER, Pittsburgh, Pa. Filed Aug. 25, 1922. Serial No. 579,228. 23 Claims. (Cl. 177—351.)



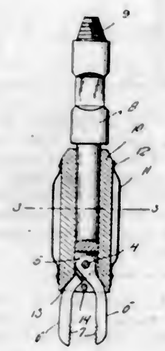
4. In an apparatus for measuring the flow of fluids, an electric circuit, and pressure difference responsive means controlled by the fluid flow to vary the current in the circuit at each instant substantially in proportion to the rate of fluid flow at that instant.

1,581,958. CAN OPENER. THOMAS A. KILLMAN, Nashville, Tenn. Filed July 2, 1925. Serial No. 41,117. 8 Claims. (Cl. 30—3.)



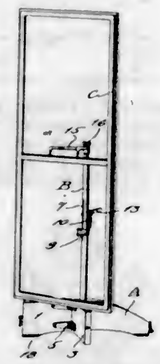
1. The combination with a can opener including a support, feeding and cutting rollers carried by the support adapted to engage a can at opposite sides of the rim thereof, the axes of said rollers being disposed in a plane at right angles to the longitudinal axis of the support, means for moving one of said rollers toward and away from the other of the rollers and means for rotating the feeding roller, of an attaching bracket for said support to which the support may be selectively secured in either of two positions rotatably spaced ninety degrees about the axis of the support to thereby arrange the rollers in vertical or horizontal planes.

1,581,959. OIL-WELL FISHING TOOL. JOHN A. KINCH, Taft, Calif. Filed Oct. 22, 1925. Serial No. 64,146. 1 Claim. (Cl. 294—116.)



An oil well fishing tool comprising a rod like member having an enlarged upper portion, jaws pivotally connected to the lower portion of said member, a sleeve loosely arranged on the rod like member and interposed and movable between said enlargement thereof and the jaws, exterior resilient friction-creating means on the sleeve, and jaw opening means carried by the sleeve and spaced below the connection between the rod like member and the jaws.

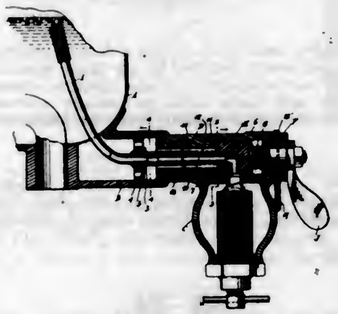
1,581,960. HOLDER. JOHN H. KING, Norwood, Mo. Filed Oct. 5, 1925. Serial No. 60,546. 2 Claims. (Cl. 144—288.5.)



1. A holder of the class described, comprising a base having projections thereon for engaging the bottom of an article to be held, a telescopic post of tubular construction held by the base, a forked member attached to the upper part of the post and having depending projections for engaging a part of the article, an adjustable collar on the lower part of the post, a spring connected with the collar and with the lower end of the upper part

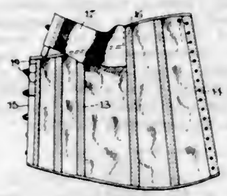
of the post, a bracket carried by the collar and a hand lever pivoted to the bracket and engaging the lower end of the top part of the post for raising the same against the action of the spring.

1,581,961. GASOLINE RESERVE AND CONTROL DEVICE FOR AUTOMOBILES. ORAL A. KING, South Norfolk, Va. Filed Feb. 6, 1926. Serial No. 86,583. 5 Claims. (Cl. 158—46.5.)



1. A gasoline reserve control device for insertion in a gasoline supply tank having a longitudinally extending discharge conduit provided with a carbureter connection, said device comprising a pipe of smaller external diameter than the diameter of said conduit and adapted to be arranged longitudinally within said conduit, said pipe having an extensible portion, a valve for insertion in said conduit and having ports for alternatively placing said pipe and said conduit into communication with said carbureter connection, and a spring normally pressing said extensible portion into valve-sealing contact with one of the ports of said valve.

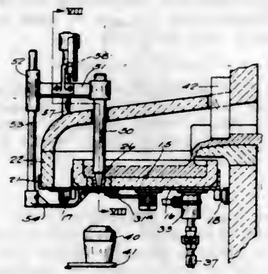
1,581,962. CORSET. JOSEPH J. KISPERT, Branford, Conn., assignor to I. Newman & Sons, New Haven, Conn., a Corporation of Connecticut. Filed June 25, 1924, Serial No. 722,313. Renewed June 12, 1925. 6 Claims. (Cl. 2—26.)



2. A corset comprising a body portion, a web of elastic material attached at one end to the body portion and provided with a stay member in the free end projecting beyond the web, and a plurality of pockets in the body open at the top only to consecutively receive the projection of the stay member.

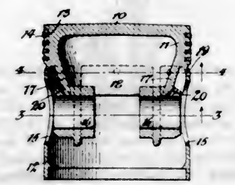
1,581,963. MEANS FOR DELIVERING CHARGES OF MOLTEN GLASS. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 11, 1920. Serial No. 402,814. 6 Claims. (Cl. 49—55.)

3. The combination of a receptacle to contain molten glass, having a discharge outlet, means to reciprocate said receptacle horizontally, an implement extending into the glass over said outlet, means to reciprocate said implement vertically in synchronism with the horizontal movements of the receptacle and thereby control the



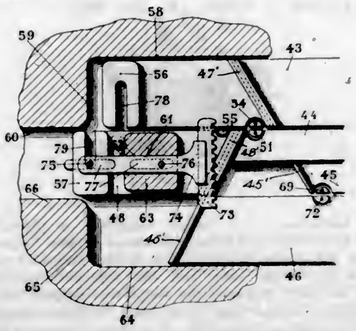
discharge of glass, and a cutter beneath said outlet operating in synchronism with the movements of said implement to sever individual masses or charges of glass.

1,581,964. PISTON. ELWOOD T. LARKIN, Buffalo, N. Y., assignor to Charles A. Criqui, Buffalo, N. Y. Filed July 12, 1924. Serial No. 725,718. 1 Claim. (Cl. 74—108.)



A piston comprising a head, a cylindrical body having a comparatively thick upper rim which is connected at its upper end with the edge of the head and provided on its periphery with a ring zone and a comparatively thin lower skirt connected at its upper end with the lower end of said rim, supporting arms arranged within the body and connected at their upper ends with the lower end of said ring zone rim, wrist pin bearings arranged at the lower ends of said arms, and downwardly converging flanges connecting the lower end of said rim with said arms.

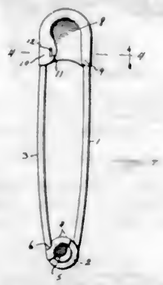
1,581,965. MACHINE FOR MAKING WIRE FABRIC. ALBERT FRANÇOIS LEBOSSÉ, Ste.-Adresse, and YVES GUYON and RENÉ HENRI CHARLES MARTY, Paris, France. Filed Mar. 15, 1926. Serial No. 94,934. 5 Claims. (Cl. 140—6.)



1. In a machine of the class described, a pair of slides provided on their adjacent faces with a plurality of cooperating semi-cylindrical spindles for netting a

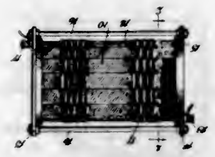
web of fabric, a second pair of slides provided on their adjacent faces with a plurality of cooperating semicylindrical spindles for netting a second web of fabric, and means for alternately transferring one of said semicylindrical spindles from one pair of slides to the other pair of slides to unite said webs.

1,581,966. LAUNDRY-MARKING PIN. DAVID LEGGOTT, Battle Creek, Mich., assignor to The Keyes-Davis Company, Inc., Battle Creek, Mich., a Corporation of Michigan. Filed June 16, 1923. Serial No. 645,765. 1 Claim. (Cl. 24—156.)



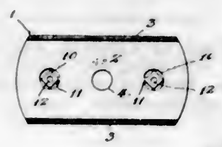
A laundry marking device of the class described comprising a strand of material having an elongated pin proper operatively engaged therewith, a pin point shield carried by the strand and provided with a barrel having its outer end portion opening inwardly of the shield, said open portion having an extension extending inwardly of the shield proper the pointed end portion of the pin extending a material distance inwardly of the barrel when the pin is in closed position, said extension of the shield adjacent to the outer end being provided with an inwardly disposed elongated protuberance operating to normally hold the point end of the pin proper against movement toward the strand, said extension springing slightly back and forth as the pin proper is forced is foered over the protuberance, the major axis of said protuberance being substantially in parallelism with the end portion of the pin proper received within the barrel, said protuberance being spaced from the outer closed side wall of the open end portion of the barrel a distance slightly in excess of the diameter of the portion of the pin received within the barrel.

1,581,967. RADIO INDUCTANCE COIL. OLOV GUSTOV LISSEN, Jersey City, N. J. Filed Sept. 8, 1924. Serial No. 736,595. 1 Claim. (Cl. 175—359.)



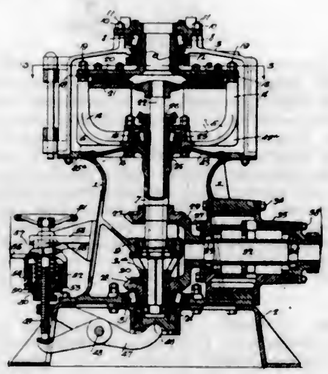
An inductance coil which comprises a plurality of strips of fabric, a plurality of turns of wire interwoven side by side with the strips of fabric, one wire passing over a particular strip and the adjacent wire-passing under said strip whereby the strips will support the wires and insulate them from each other, a frame comprising a pair of ringlike heads having tapered apertures against which the ends of the fabric are disposed, tapered rings adapted to fit in said apertures to clamp the ends of the fabric, and means for spacing the heads.

1,581,968. SAFETY-RAZOR BLADE. JUAN LLOBET, Habana, Cuba. Filed June 23, 1925. Serial No. 39,107. 6 Claims. (Cl. 30—12.)



1. A safety razor blade having a defined structure and also having means embodied in the blade structure and separable and independent of the operative elements of the blade, said means being permanently altered when the blade is used to indicate that the blade has been used.

1,581,969. ATTRITION MILL. ALBERT A. LONGAKER, Chambersburg, Pa., assignor to The Wolf Company, Chambersburg, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1925. Serial No. 23,305. 13 Claims. (Cl. 83—7.)

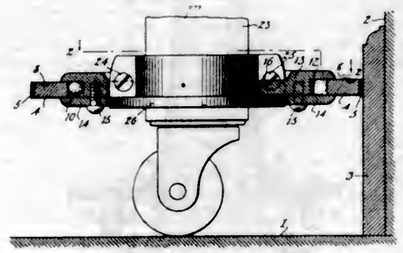


1. An attrition mill comprising in combination, two opposed attrition plates, a rotatable spider carrying one of the plates and having two hollow axial trunnions on opposite sides of the plates, one of the trunnions serving for the supply of raw material to the plates, bearings for the trunnions, a supporting member for the other plate extending through the other trunnion, and means engaging the last said trunnion for rotating the spider separately from the supporting member.

1,581,970. RUG. ALFRED F. MCCOLLUM, Bloomsburg, Pa., assignor to The Magee Carpet Company, Bloomsburg, Pa., a Corporation of Pennsylvania. Filed May 17, 1924. Serial No. 714,000. 3 Claims. (Cl. 154—49.)

1. The combination in a rug body, of short sections of flexible, reinforcing strips at the corners thereof; and a binder for the raw edges of the rug, said binder enclosing the flexible reinforcing strips.

1,581,971. WALL PROTECTOR. FRANK X. MANTSION, Philadelphia, Pa. Filed Sept. 26, 1925. Serial No. 58,881. 3 Claims. (Cl. 45—137.)

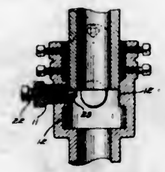


1. A wall protector for beds, comprising an annular body adapted to surround one of the legs of a bed, a clamping member adapted to be clamped to said leg, said clamping member being formed with means for supporting the body, and a ring rotatably mounted in the periphery of said body and extending beyond the same.

1,581,972. MEGAPHONE. THOMAS S. MASON, Hartford, Conn. Filed Mar. 10, 1925. Serial No. 14,524. 3 Claims. (Cl. 181—27.)

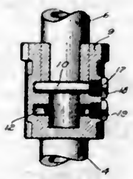
1. A megaphone including a flaring body and a mouthpiece at the small end of the body, and a musical device placed at the mouthpiece and occupying only a portion of the transverse extent thereof so that the mouthpiece may be used to sound the musical instrument or to employ the megaphone in the ordinary way.

1,581,973. INSERTABLE JOINT. JOHN J. MEYER, New York, N. Y. Filed Apr. 24, 1924. Serial No. 708,811. 15 Claims. (Cl. 285—116.)



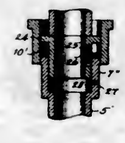
3. An insertable joint for soil pipes and the like, comprising a pipe section having a body and a hub at one end of said body, said hub being formed with a pair of upwardly extending lugs at the upper end, a set screw extending through one of said lugs acting to force a superimposed pipe section toward the opposite lug, and a screw between the top of said lugs and the bottom of said hub acting as a support.

1,581,974. INSERTABLE JOINT. JOHN J. MEYER, New York, N. Y. Filed Sept. 27, 1924. Serial No. 740,333. 12 Claims. (Cl. 285—116.)



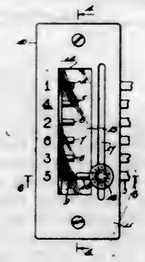
3. In an insertable joint for soil pipes and the like, a pipe section formed with a body, and an elongated hub, said hub being provided with a plurality of sockets or openings positioned at different heights for receiving an abutment bar, the course of said sockets and abutment bar being tangential to the bore, and means for making said sockets watertight.

1,581,975. INSERTABLE JOINT. JOHN J. MEYER, New York, N. Y. Filed Oct. 16, 1924. Serial No. 744,017. 12 Claims. (Cl. 285—116.)



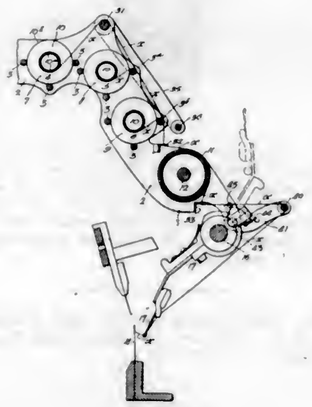
2. An insertable joint for soil pipes, comprising a pipe section having an enlargement at one end, a hub connected to said enlargement, a sleeve slidingly mounted in said enlargement, said sleeve having a plurality of openings therein, and a supporting member carried by said enlargement adapted to engage the sleeve in one of the openings so as to support the sleeve in the enlargement, said sleeve acting as a support for a superimposed pipe in said hub.

1,581,976. IGNITION TESTER. WILLIAM V. MOORE, New York, N. Y., assignor of one-half to John J. Hartigan, New York, N. Y. Filed Oct. 23, 1924. Serial No. 745,475. 4 Claims. (Cl. 175—183.)



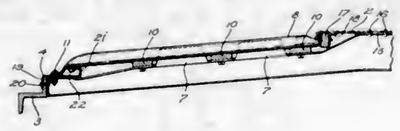
1. In an ignition tester of the character described, a body, a plurality of contacts arranged in a row carried by said body, a grounded plate mounted on said body and provided with a slot parallel with said contacts, and an auxiliary contact slidingly mounted in said slot, said auxiliary contact engaging said plate and projecting toward the other contacts so that as it is moved along the slot it may be brought successively into proximity to the other contacts.

1,581,977. THREAD-CONTROLLING MECHANISM FOR KNITTING MACHINES. KARL NEBEL, Philadelphia, Pa., assignor to Merrill Hosiery Company, Hornell, N. Y., a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,144. 3 Claims. (Cl. 66—135.)



1. The combination in thread controlling mechanism for knitting machines, of a rack; troughs formed in said rack; bobbins in said troughs with the peripheries thereof frictionally engaging the interior surfaces of said troughs; needles in the knitting machine; striping fingers for placing threads around certain of said needles; means for guiding the threads from the said bobbins to the said striping fingers; and a friction roll rotatable in a counter direction to the yarn feeding direction for drawing the said threads taut around the needles.

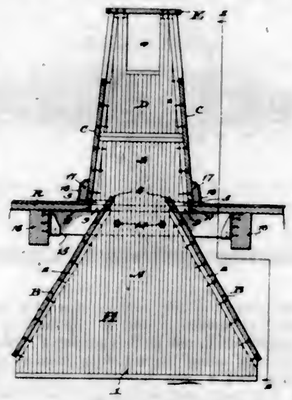
1,581,978. ROOF CONSTRUCTION. ALFRED H. OELKERS, Springfield, Mo. Filed Feb. 25, 1925. Serial No. 11,598. 6 Claims. (Cl. 108—5.4.)



1. A roof structure including a series of parallel carlines having vertically enlarged intermediate portions, a metal running board secured directly to the enlarged intermediate portions of the carlines, eave plates secured to the outer ends of the carlines, roof plates secured at their outer ends to the eave plates, and depending flanges at the sides of the running board covering the inner ends of the roof plates and so associated therewith as to permit relative movement of said plates.

1,581,979. VENTILATING SECTIONAL SMOKE JACK. JOHN WILSON ORROCK, Montreal, Quebec, Canada. Filed Aug. 27, 1925. Serial No. 52,949. 10 Claims. (Cl. 104—52.)

1. In a ventilating smoke jack, the combination with a roof having an opening, of a pair of main sections having intermediate shoulder portions adapted to rest upon the side edges of the opening in the roof, end sections carried by the main sections and arranged to provide vent ports between the end members and the



roof, and an exhaust flue cooperating with the main sections and communicating with the interior of the structure through said vent ports.

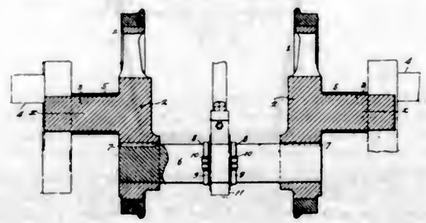
1,581,980. TOY AIRPLANE. FREDERICK PEARSON, Fort Omaha, Nebr. Filed Apr. 10, 1925. Serial No. 22,162. 3 Claims. (Cl. 244—14.)

1. An airplane comprising an appropriately bendable blank representing a fuselage which integrally includes a top, sides, a radiator and elevators, a lower wing fitted upon the fuselage, upper wing struts affixed between the wings supporting the latter in spaced relationship to the fuselage, a propeller attached to the radiator, and a combined rudder and tail skid attached between the elevators respectively above and below.

1,581,981. EMERGENCY-CALL DEVICE. WENDELL H. PHELPS, New York, N. Y. Filed Mar. 10, 1924. Serial No. 698,210. 1 Claim. (Cl. 40—10.)

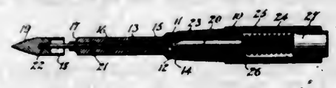
A device of the class described comprising a base member capable of being permanently secured to a support and having marginal flanges, one of said flanges having a depending retaining portion, a card carrier having marginal flanges and instruck card retaining portions and a finger piece, said card carrier being of a size to fit within the confines of the flanges of said base member with the flanges of said carrier in retaining engagement with the flanges of said base member and with a portion of said card carrier in engagement with said depending retaining portion to hold said card carrier removably associated with said base member, said finger piece extending beyond the adjacent portion of said base member when said card carrier and base member are associated to provide a means for the removal of said card carrier.

1,581,982. LOCOMOTIVE CRANK AXLE. JOHN W. POLLOCK, Ridley Park, Pa., and LAWRENCE L. NEEBE, Woodbury, N. J., assignors to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1926. Serial No. 84,682. 3 Claims. (Cl. 295—2.)



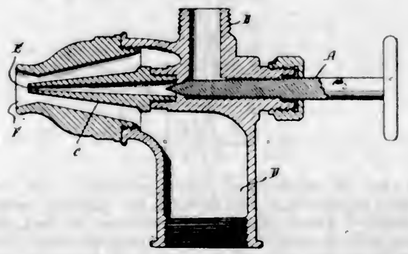
2. The combination of two wheels spaced apart and having axle sections on the outside only, said sections being integral with the wheel-centers; a crank-axle driven into openings in the wheel-centers, said axle being grooved; and collars mounted in the grooves and acting to center the middle main-rod journal mounted on the axle between the collars.

1,581,983. TURNING TOOL. WILLIAM B. ROOD, Ware, Mass. Filed Nov. 5, 1925. Serial No. 67,081. 5 Claims. (Cl. 223—20.)



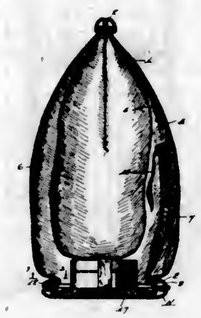
1. A portable, manually operable tool of the class described, including a hollow handle, and a hollow spindle secured to one end of the handle, a hollow shank on the spindle, a plunger working through the handle, spindle and shank, a head carried by the plunger and normally seating on the end of the shank, and a spring acting on the plunger to urge the head into engagement with the shank.

1,581,984. OIL BURNER. PEDRO VENANCIO ROSSATTI, Montevideo, Uruguay. Filed Aug. 13, 1923. Serial No. 657,064. 1 Claim. (Cl. 158—76.)



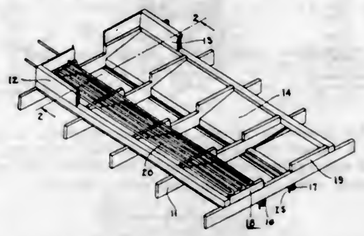
An oil burner including a hollow body portion provided with coaxial upwardly and downwardly extending oil and air inlets, the oil inlet being of much smaller diameter than the air inlet, a tubular partition arranged in the body portion and having a frusto-conical valve seat arranged at an angle to the axis of said inlet, an oil nozzle detachably connected to said partition and having its interior communicating with the oil inlet, said nozzle having a frusto-conical outer surface and bore both tapered toward the outlet end of the nozzle, a mixing nozzle detachably connected to the body portion, surrounding the first mentioned nozzle and having a venturi-shaped bore, the outlet end of the first mentioned nozzle terminating adjacent to the throat of the venturi bore of the mixing nozzle, and a valve co-axial with said nozzles, adjustably mounted in the body portion and having a conical end to engage said valve seat.

1,581,985. HAND BAG. MAX SACHS, New York, N. Y. Filed June 17, 1925. Serial No. 37,740. 3 Claims. (Cl. 150—36.)



2. A lady's hand bag, comprising a body formed with the usual frame and fastening means therefor and with a bag acting as a lining, a second frame connected to the bottom of said body, said second frame having a hinged portion so that access may be had from the bottom of the body to the interior of the body but exteriorly of said lining, and a flexible container connected to said body near the frame and normally extending into the space exteriorly of said lining.

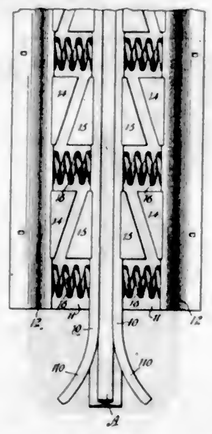
1,581,986. REFRIGERATOR CONSTRUCTION. JAMES G. SHECKELS, Cincinnati, Ohio, assignor of one-half to Edward Albiez, Cincinnati, Ohio. Filed Sept. 10, 1924. Serial No. 736,918. 1 Claim. (Cl. 62—46.)



A refrigerator construction comprising a casing, a series of beams below the top of the casing, extending in spaced relation from front to back, the ends of the beams being supported by the sides of the casing, a series of independent removable baffle platforms supported by and between the beams and inclining downwardly from the sides of the casing toward the center and spaced apart so as to leave a central air passage, gutters beneath the lower edges of the baffle platforms, supports located in spaced relation on each of the beams and projecting above the baffle platforms on a horizontal line with the top plane of the water shed, a removable water shed

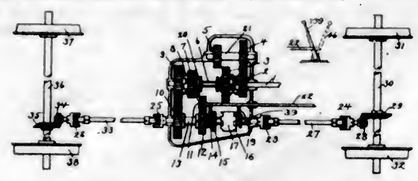
supported by the beams in the spaces between the supports and located between the opposite sets of baffle platforms to act as a bridge over the central air passage, adapted to drain unto the platforms and spaced therefrom, said water-shed, supports, and baffle platforms being adapted to receive refrigerating elements thereon.

1,581,987. CAR-STOPPING DEVICE. HENRY HUDSON SHEPARD, Scranton, Pa. Filed Apr. 23, 1925. Serial No. 25,322. 9 Claims. (Cl. 188—62.)



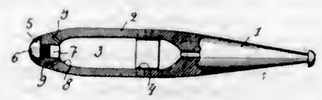
1. A car stopping device including spring-pressed shoes adapted to be positioned at opposite sides of a track rail and yieldable laterally to afford clearance for a car wheel to travel between said shoes, fixed wedge elements laterally outward of said shoes and opposed wedge elements on the shoes adapted to contact with the fixed wedge elements upon a spreading of the shoes.

1,581,988. MOTOR-CAR DRIVE. JAMES SHEPARD SMALLEY, Muscatine, Iowa. Filed Mar. 21, 1921. Serial No. 454,069. 6 Claims. (Cl. 74—57.)



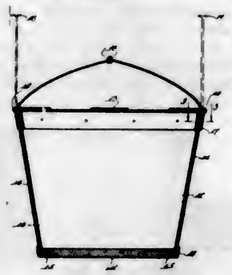
1. In apparatus of the character specified, a driven axle; a second axle; means for driving one axle; and means whereby when the speed of the driven axle exceeds the speed of the other axle that also is driven.

1,581,989. PIPE. DAVID TABENAU, Paris, France. Filed Mar. 23, 1923. Serial No. 627,140. 3 Claims. (Cl. 131—22.)



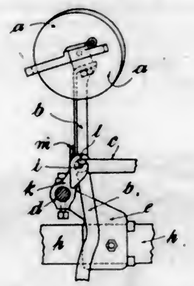
1. In a pipe having the form of a cigar, the combination of a hollow bowl having at its inner end an aperture of larger diameter and at the outer end a draft conduit, and a mouth piece upon which the said bowl is fitted by means of its large diameter aperture, the said draft conduit communicating with a chamber formed in the outer end of said bowl and whose diameter is intermediate between that of the hollow part of the bowl and that of the said draft conduit.

1,581,990. BASKET HANDLE AND COVER CLAMP. MAJOR TUCKER, Brocton, N. Y. Filed Aug. 13, 1925. Serial No. 50,113. 3 Claims. (Cl. 217—125.)



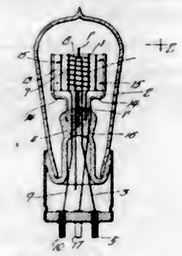
3. The combination with a basket having a bottom and sides, of handle forming members each having a portion impaled in said bottom portions of the basket overlying portions of said members to prevent the portions of the members impaling the bottom from being detached, said members each having a flexible portion extending above its related side of the basket and capable of being flexed or bent, there being a hook at the extremity of each flexible portion, the hook of one flexible portion being capable of a hooking engagement of the other flexible portion and the hook of the latter flexible portion capable of a hooking engagement of the former flexible portion, and portions of the hook engaging each other when the hooking relationship between the flexible portions is set up to prevent relative separation of the flexible portions when the weight of the basket and its contents is on said handle forming members.

1,581,991. MOUNTING OF PULLEYS EMPLOYED IN THE TAPE DRIVING OF SPINDLES IN RING SPINNING AND DOUBLING FRAMES. WILLIAM ARTHUR WALSH, Accrington, England, assignor to H. & B. American Machine Company, Pawtucket, R. I. Filed Dec. 16, 1925. Serial No. 75,802. 3 Claims. (Cl. 118—48.)



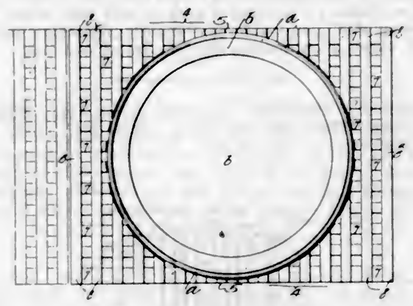
1. For the mounting of pulleys employed in the tape driving of spindles in ring spinning and doubling frames, a weighted pulley-carrier freely supported at each side upon inclined mounts forming part of said support, one of said mounts situated in advance of the other, and said support adapted for fixation parallel or thereabouts to the axis of the tin roller of the frame, adjacent to a like provided support of opposite hand, for the purpose and substantially as herein set forth.

1,581,992. RADIO DETECTOR OR AMPLIFICATION VACUUM BULB. RONALD WEBSTER, Evanston, Ill., assignor to Fansteel Products Company, Inc., North Chicago, Ill., a Corporation of New York. Filed June 23, 1923. Serial No. 647,344. 4 Claims. (Cl. 250—27.)



1. The method of eliminating end fractions of the gaseous contents of a vacuum tube which comprises constructing the plate element of tantalum and of a form affording a closed electrical circuit, and placing the tube in an alternating current magnetic field which induces a current flow in said plate element sufficient to heat the latter for absorbing gases within the tube.

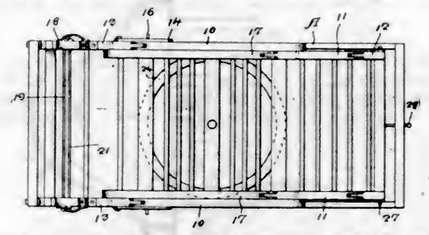
1,581,993. SECTIONAL PALLET. EARL WHITE and HOMER B. EDWARDS, Rossford, Ohio, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 28, 1924. Serial No. 716,462. 3 Claims. (Cl. 34—17.)



3. The combination of a truck; a detachable pallet mounted thereon; said pallet being made in three sections, the central section being circular and substantially the size of the pot which has been previously formed thereon; and end sections recessed to conform to the curve of the central section and extending at the end of the truck so that when a series of trucks are located end to end the several pallets will form a continuous foraminous support.

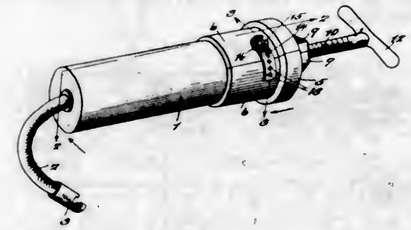
1,581,994. CONVERTIBLE BED AND CHAIR. JAMES H. DUNCAN, Monticello, Ky. Filed June 12, 1925. Serial No. 36,699. 1 Claim. (Cl. 5—60.)

In a convertible bed and chair, a bedstead, a circular track supported thereon, a bed spring including an intermediate section and end sections pivotally connected with the intermediate section and normally arranged in end to end relation therewith, rollers depending from the intermediate section and mounted on said track, whereby said bed spring can be arranged parallel with the bedstead or transversely thereof, said end sections being capable of being arranged to form a chair, means for holding the end sections fixed with relation to the intermediate section in any given position, a transverse rod arranged adjacent the foot of the bed, lugs rising from the ends of said rod and adapted to normally lie



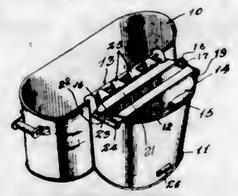
at the opposite sides of the bed spring to hold the latter against rotation, a handle bar projecting from said rod and slidable through the adjacent end of the bedstead, whereby said lugs can be moved to an out of the way position to permit turning of the bed spring.

1,581,995. GREASE GUN. JOSEPH ETTEMA, Lester, Iowa. Filed Nov. 27, 1923. Serial No. 677,300. 3 Claims. (Cl. 221—47.3.)



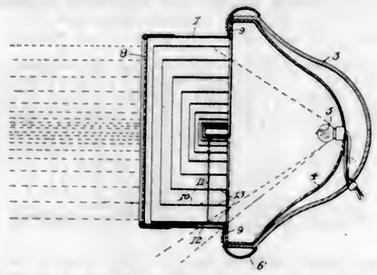
1. A grease gun comprising a casing provided with discharge means at one end and being opened at the other end, the margin of said open end having a lateral annular flange, a plunger operable within the casing and having a threaded shank, a cover comprising two half-sections hingedly united, the adjacent faces of the two half-sections having semi-circular recesses with threads to engage the threads of the shank, the interior surface of the cover having an annular groove to receive said annular rib to prevent the cover from backing off, and a clasp carried on the exterior of one section with disengageable means with the other section to clamp the two sections together.

1,581,996. CLOTHES-BOILER ATTACHMENT. GEORGE F. FINZER, Hicksville, Ohio. Filed Mar. 10, 1924. Serial No. 698,174. 3 Claims. (Cl. 68—30.)



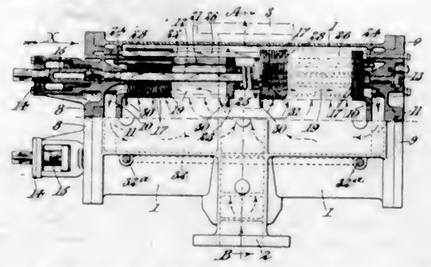
1. A transfer device for the purpose described comprising a transfer receptacle adapted for extensive abutting contact with other receptacles, means to hold the transfer receptacle in such relation to another receptacle removably, a grid pivoted on one side of the receptacle, movable to and from operative relation across the top of the transfer receptacle, and means to releasably hold the grid in operative position.

1,581,997. AUTOMOBILE HEAD LAMP. MELVIN A. FLAUTT, Waynesboro, Pa. Filed Mar. 27, 1924. Serial No. 702,391. 3 Claims. (Cl. 240—48.4.)



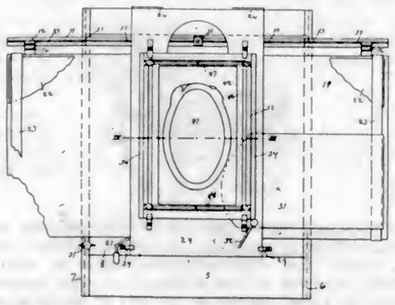
1. A light-shield for head lamps and the like comprising a housing open at its ends to the passage of light, and a light-controlling strip in the form of a continuous open coil located within the housing, said strip increasing in width from its inner to its outer end.

1,581,998. STRAINING OR FILTERING APPARATUS. FRANK CHRISTIAN FULCHER, London, England. Filed Nov. 26, 1923. Serial No. 677,000. 20 Claims. (Cl. 210—177.)



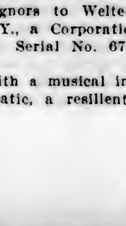
1. A strainer for fluid comprising a straining wall consisting of a plurality of plane discs mounted side by side on a carrier and each having a hole therethrough, separators between adjacent discs to space them apart and form endless peripheral slots through which straining takes place and scraper blades separate from the discs, extending inwardly through said slots and each permanently engaging a slot, said discs and scraper blades being relatively movable.

1,581,999. ENLARGEMENT PRINTER. FRANK Q. GATES, San Francisco, Calif. Filed Mar. 23, 1925. Serial No. 17,792. 2 Claims. (Cl. 88—24.)



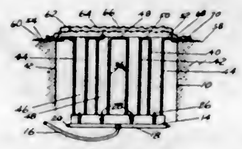
1. In a photographing apparatus, a base, a carrier slidable on said base, means for locking said carrier in adjusted position, a slotted track positioned on said carrier, a platen pivotally mounted on said track and adapted to be moved laterally with respect to said carrier, means for locking said platen in adjusted position, a frame carrier pivoted to said base and adapted to be brought into parallel relation with said platen, a printing frame removably positioned within said frame carrier, and means for holding a negative in said frame flush with the bottom thereof.

1,582,000. INSTRUMENT FOR THE USE OF DENTAL FLOSS. JOSEPH GESELL, Washington, D. C. Filed Aug. 7, 1925. Serial No. 48,821. 4 Claims. (Cl. 132—92.)



1. A dental floss holding instrument of the character set forth, comprising a hollow handle body designed to receive a spool of dental floss, said body having an aperture therethrough for leading one end of said floss to the exterior thereof, a relatively flat body extending transversely of one end of said handle in edge opposed relation thereto, an arm member extending at right angles to the surface of and from each side of said portion, means for securing a strip of said floss across between said arms, and non-revoluble removable means for securing and holding the free end of said floss.

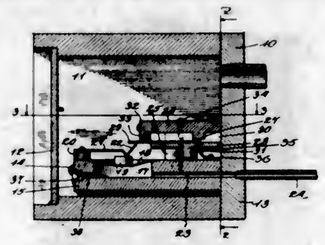
1,582,001. HEATER. CHARLES GIAMMATTEO, Bristol, Conn. Filed Feb. 24, 1925. Serial No. 11,122. 8 Claims. (Cl. 158—88.)



7. In apparatus of the character described, in combination, a fire box, an oil burner set in said fire box and having an air passage from top to bottom, a frame fitting the sides of said burner and closing the space between the burner and the sides of the fire box, a screen-like member supported by said frame and covering the top of said burner and passage, and a second screen-like member of finer mesh arranged over the first member; substantially as described.

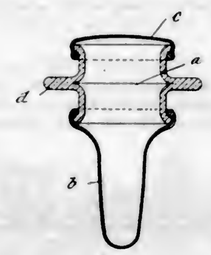
1,582,002. PNEUMATO-ELECTRIC DEVICE. JOHN GEORGE GOLL, New Rochelle, and PAUL JOHN SOWADA, Yonkers, N. Y., assignors to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1923. Serial No. 679,820. 5 Claims. (Cl. 84—88.)

1. In combination, with a musical instrument, a support, a primary pneumatic, a resilient electric contact member adjacent the pneumatic, and a circuit controlling device connected to the support independently of the



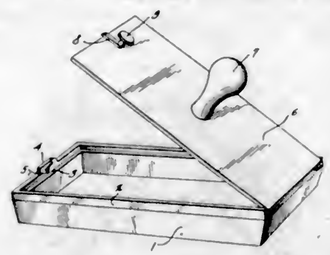
pneumatic and in position to be moved to control the closing of the circuit through the contact member when the pneumatic is operated.

1,582,003. BABY SOOTHER. WILLIAM HARRY GRIFFITHS, Hereford, England. Filed Oct. 12, 1922. Serial No. 594,421. 1 Claim. (Cl. 128—360.)



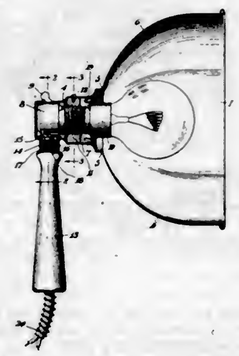
A baby soother comprising a safety disc provided with a large central opening and marginal flanges outstanding from the opposite sides of the disc about the opening therethrough and forming with the disc an open ended receptacle, a perforated teat mounted on one of said flanges at one side of the disc, and a removable closure mounted on the other flange at the opposite side of the disc.

1,582,004. STAMP. CARL D. GRIGGS, Weston, W. Va. Filed Aug. 21, 1925. Serial No. 51,651. 2 Claims. (Cl. 101—125.)



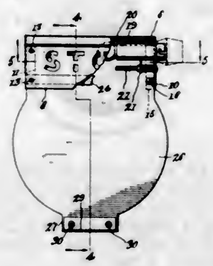
1. A stamp of the class described, including a frame having a continuous shoulder in the upper portion thereof, a hinged cover plate for closing said top of the frame, latching means for the closure movable to force said closure inwardly of the frame, an ink carrying pad in the frame and projecting through the open end thereof, a closely woven fabric cloth arranged around the pad, a stenciled sheet arranged around the pad, a yieldable plate resting on the shoulder of the frame directly below and in contact with the closure, disposed over, in contacting engagement with the pad and around whose outer surfaces the ends of the stencil sheet are received.

1,582,005. THERAPEUTIC LAMP. CARL GEORGE GROSS, Mount Vernon, N. Y., assignor to Eastern Laboratories, Inc., New York, N. Y. Filed Mar. 15, 1924. Serial No. 699,465. 2 Claims. (Cl. 240—1.)



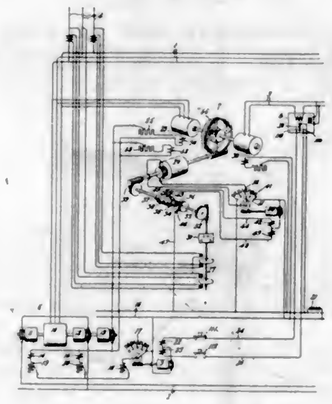
1. A lamp including a reflecting member and a base member formed in one piece, a switch member in the base, the actuating element of which projects through an opening in said base, a bulb holding member in the base, and a positioning member in said base in threaded relation with said bulb holding member.

1,582,006. ILLUMINATED ADVERTISING DEVICE. JOHN WIMBISH GUINN, Lagrange, and LAWRENCE HILL STEELE, Vaughn, Ga. Filed June 15, 1925. Serial No. 37,283. 2 Claims. (Cl. 40—130.)



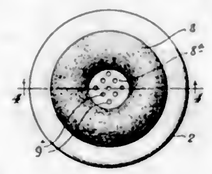
1. A combined signal light and advertising device comprising a lamp casing having front and rear walls and an open bottom, said rear wall having signal perforations, flanged end walls secured to said front and rear walls, a lamp in the casing, an advertising board having its upper end fitted close to the front wall and against flanges of said end walls, means to secure the flanges and board to said front wall, the edges of the board fitting against said side walls, and means at the lower portion of the board to attach same to the vehicle.

1,582,007. POWER LIMITING AND INDICATING SYSTEM. WILLIAM S. H. HAMILTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 24, 1924. Serial No. 708,809. 15 Claims. (Cl. 171—312.)



1. In a system for limiting the amount of power transmitted between an electric power system and a plurality of sources, the combination of a pilot circuit, an alternating current source for supplying power to said pilot circuit, means associated with said sources for changing the frequency at which power is supplied through said pilot circuit by an amount proportional to the magnitude of the power transmitted between said sources and said system, means responsive to a predetermined load on said system for reversing the flow of power in said pilot circuit, and means responsive to said reversal for limiting the load on said system.

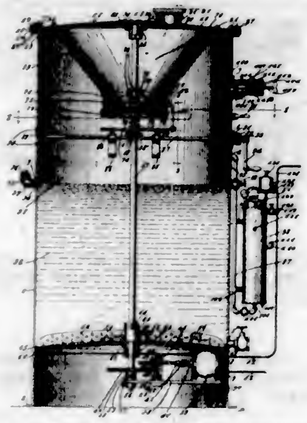
1,582,008. VANITY MANICURE BOX. JUDD E. HAMMOND, Munday, Tex. Filed Mar. 21, 1925. Serial No. 17,156. 3 Claims. (Cl. 132—73.)



1. A vanity kit for manicuring the finger nails, comprising a box with a hinged lid and a flange and an opening in the lid to receive a buffer, a perforated disk beneath the buffer, a powder compartment between the disk and the bottom of the box and a movable file for the nails on the bottom of the box.

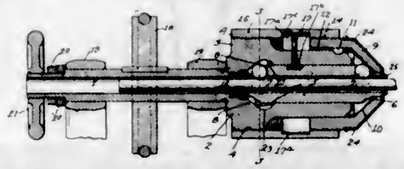
1,582,009. ACETYLENE-GAS GENERATOR. HOWARD H. HAND and JOSIAH L. RIDDLE, Merkel, Tex.; said Riddle assignor of one per cent of his share to said Hand. Filed June 6, 1925. Serial No. 35,347. 8 Claims. (Cl. 48—52.)

1. An acetylene gas generator comprising a generating chamber adapted to contain a body of water, a calcium carbide feed mechanism, a combined gas washer and storage element communicating with said chamber, a mixer device operating in said chamber, said device and mechanism having coacting means to provide for the synchronous operation of said mechanism with said device, an electrical drive mechanism for said device, and



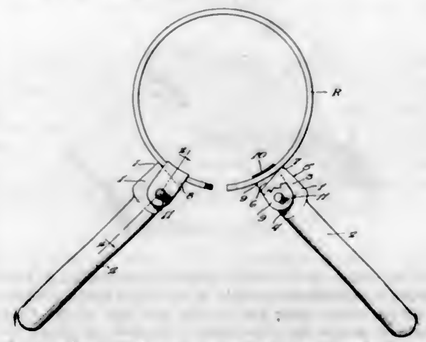
a pressure operated switching means communicating with said element for controlling the operation of said drive mechanism.

1,582,010. VALVE-GRINDING CHUCK. HANS A. HANSON, Cedar Rapids, Iowa. Filed Apr. 21, 1925. Serial No. 24,815. 3 Claims. (Cl. 279—75.)



1. A device for the purpose indicated comprising a head, an arbor axially movable in said head, spherical jaw members carried by said arbor, a thimble telescoping the head, the thimble and head having cam surfaces engaging said spherical jaw members, means for imparting relative axial movement to said thimble and head to effect radial inward movement of said spherical jaw members.

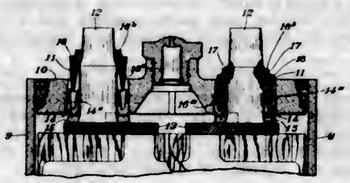
1,582,011. PISTON-RING TOOL. WILLIAM E. HART, Woodstock, Ill. Filed Sept. 8, 1925. Serial No. 55,137. 6 Claims. (Cl. 29—86.4.)



1. A piston ring tool comprising an elongated body constituting a handle and having a head at one end formed with edge faces and an end face disposed at an

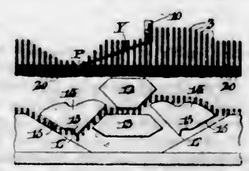
incline and at its intersection with one of the edge faces forming a tooth, and a U-shaped yoke straddling said head with its arms pivotally mounted at opposite sides thereof and its bridge portion spaced from the inclined end face of the head.

1,582,012. ELECTRIC BATTERY. FRANK A. HUGO, Edgewood Borough, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1921. Serial No. 522,247. 5 Claims. (Cl. 136—168.)



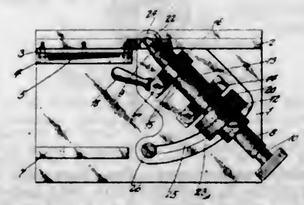
1. The method of locking a retaining sleeve in place on the terminal post of an electric battery, which consists in providing one end of said sleeve with a comparatively thin flange, and forcing a portion of said flange into the post.

1,582,013. KNITTING MACHINE. JESSE C. KANE, Easton, Pa., assignor to Chipman Knitting Mills, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,656. 3 Claims. (Cl. 66—57.)



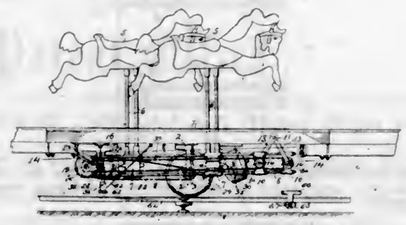
1. In a knitting machine, the combination of needles, web holders co-operating with the needles, and means whereby the needles are released and the web holders simultaneously retracted immediately after formation of a fabric loop to facilitate drawing of a loop by the next succeeding needle.

1,582,014. DEVICE FOR HOLDING DRILLS FOR SHARPENING. JAMES W. KENDALL, St. Louis, Mo., assignor of one-half to James L. Barngrove, St. Louis, Mo. Filed Sept. 24, 1924. Serial No. 739,539. 21 Claims. (Cl. 51—219.)



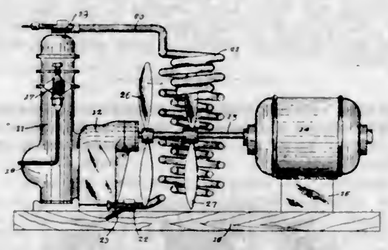
1. A device of the character described comprising a drill holder, a support holding said drill holder rigidly in each of two adjusted positions, and means for engaging and holding a drill in said holder when said holder is turned to a position in which the sides of the drill point extend beyond the drill holder in a definite predetermined relationship thereto.

1,582,015. CARROUSEL. CHARLES E. MORRIS, Leavenworth, Kans., assignor of one-half to Charles W. Parker, Leavenworth, Kans. Filed Mar. 17, 1921. Serial No. 453,097. 23 Claims. (Cl. 272—48.)



4. In an apparatus of the kind described, a seat support, carrying means therefor, supporting means for said seat support reciprocative on said carrying means, means for imparting orbital movement to one end of the carrying means, means by which the other end of said carrying means is oscillated during the orbital movement, and means for reciprocating said supporting means on and relatively to the carrying means, substantially as set forth.

1,582,016. COMPRESSOR UNIT. HAROLD ELNO SMITH, Cleveland Heights, Ohio, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 1, 1923. Serial No. 672,092. 1 Claim. (Cl. 62—115.)

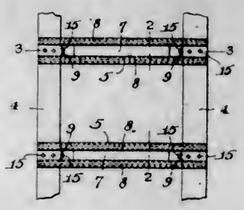


In combination, a motor, a compressor, a shaft connecting said motor and said compressor whereby said motor may operate said compressor, a vertical axis condenser coil interposed between said motor and said compressor and about said shaft, a first fan mounted upon said shaft exteriorly of said coil in position to blow upon said coil, and a second fan mounted upon said shaft within said coil in position to blow in the same general direction as said first fan.

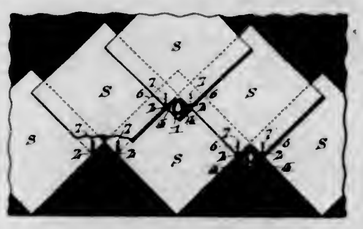
1,582,017. LADDER. HENRY M. VETTERLEIN, Philadelphia, Pa., assignor of one-half to Henry Penn Burke, Philadelphia, Pa. Filed July 29, 1924. Serial No. 728,840. 2 Claims. (Cl. 228—58.)

1. In a ladder, an upright rail, a step bar extending transversely thereof and comprising an elongated body portion formed of sheet metal and seated against the forward surface of the rail, and having a forwardly extending stiffening flange formed on one of its longi-

tudinal edge portions and having a projection bent to extend rearwardly from the body portion and engaging one of the lateral surfaces of the rail, and fastening devices penetrating the body portion of the bar and the projection and entering the rail and securing them together.

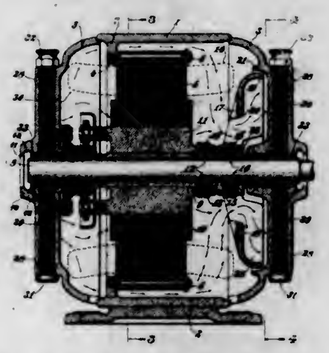


1,582,018. DEVICE FOR FASTENING ROOFING SHINGLES. JOHN C. BERGNER, Lansdowne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Mar. 5, 1925. Serial No. 13,212. 6 Claims. (Cl. 108—33.)



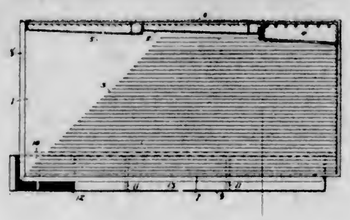
1. A shingle fastening device formed of a single length of wire to afford an elongated loop having lateral flanks, said loops and flanks being adapted to grip the exposed butt end of a diagonally placed shingle, and incorporated securing means capable of being concealed beneath the shingle.

1,582,019. MOTOR-DYNAMO ELECTRICAL MACHINERY. ALLEN M. HARRELSON, St. Louis, Mo. Filed Apr. 1, 1921. Serial No. 457,643. 3 Claims. (Cl. 171—252.)



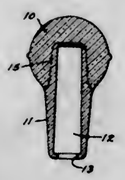
1. In an electric machine, a housing having a pair of opposite end walls, a flange within the housing between the end walls having openings for the passage of air therethrough between the field magnet elements and the housing, field magnet elements supported by said flange spaced from said housing, an armature supported for rotation within the field magnet elements, longitudinal air passages along the inner side of said armature, air inlet passages through one end wall of the housing between the plane of the openings in said flange and the plane of said first-named passages, air outlet passages through the opposite end of the housing between the plane of the openings through said flange and said first-named passages, a fan within the housing for drawing the air through the space between said field magnet elements and said housing and through said first-named passages and discharging air through said outlet passages, and an inwardly convexed ring in connection with said fan between said outlet passages and said space between the field magnet elements and the housing.

1,582,020. DEWATERING ATTACHMENT FOR CONCENTRATING TABLES. EDWARD J. O'CONNELL, Fort Wayne, Ind.; Elwin M. Hulse, administrator of said Edward J. O'Connell, deceased. Filed Apr. 20, 1921. Serial No. 462,974. 1 Claim. (Cl. 209—44.)



In combination with a concentrating table having longitudinal reciprocating movement, a launder in fixed relation with the table and movable longitudinally therewith located under the tailings discharge side thereof, there being a screen forming the bottom of the discharge end portion of the launder, said screen extending in contiguous longitudinal planes, the innermost portion of said screen extending in the general plane of the bottom of the launder and the other portion extending therefrom with less declivity than the former portion.

1,582,021. MOLDED RUBBER HAND KNOB. HARVEY D GREYER, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 11, 1925. Serial No. 55,738. 4 Claims. (Cl. 74—33.)



1. A molded rubber composition hand knob having a projecting portion integral therewith, said projecting portion having a recess therein and adapted to be slipped over the end of a supporting shank, the outer surface of said hand knob being of such rubber composition that it vulcanizes harder than the rubber composition lying adjacent said recess.

Patents Nos. 1,582,022 to 1,582,885.

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Total	1,533	

Attorneys—Disbarment.

(ORDER NO. 2,945.)

U. S. PATENT OFFICE, *Washington, Feb. 12, 1926.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Charles Oscar Erbaugh, of Denver, Colo., whose registration number is 2266, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1926.*

Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The F. W. Fitch Company, of Fifteenth and Walnut Streets, Des Moines, Iowa, to effect the cancellation of the trade-mark registration of Isidor Jacob Selkowitz, of 851 Tinton Avenue, New York, N. Y., No. 172,695, dated September 11, 1923. The records of this Office show that Rose Lieberman, doing business as Mirose Laboratories, is the assignee of said Selkowitz. The notice of such proceeding sent by registered mail to the assignee, Rose Lieberman, doing business as Mirose Laboratories, at her address of record, New York, The Bronx, New York, having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Changes in Classification.

Order No. 2,955, April 12, 1926, provides for the transfer of the following classes:

Class 279, Chucks or Sockets, and class 306, Tool-Handle Fastenings, from Division 29 to Division 52.

Order No. 2,956, April 13, 1926, provides:

In *class 83, Mills* (Division 25), establish the following subclasses, the patents contained therein having been taken from various subclasses in class 83, Mills:

93 Miscellaneous
94 Processes.

In *class 133, Coin Handling* (Division 23), abolish the following subclass, with its definition, the patents formerly contained therein having been placed for the most part in class 232, Deposit and Collection Receptacles, subclass 4, Savings boxes:

7 Tubes.

In *class 177, Electric Signaling* (Division 42), establish the following subclass, the patents contained therein having been taken from various subclasses in class 177:

8 Whistles.

In *class 221, Dispensing* (Division 44), establish the following subclass, the patents contained therein having been taken for the most part from class 211, Store Furniture, subclass 8, Cabinets, Delivering, and other subclasses in class 211, and class 45, Furniture, subclass 16, Kitchen cabinets:

146 Bulk-dispensing cabinets.

In *class 303, Fluid-Pressure Brake and Analogous Systems* (Division 47), establish the following subclass and definition, the patents contained in this subclass having been taken from class 303, subclass 6, Multiple fluid-receiving points, Multiple motors:

Multiple fluid-receiving points
Multiple motors
6.1 Brake and door.

6.1. MULTIPLE FLUID-RECEIVING POINTS, MULTIPLE MOTORS, BRAKE AND DOOR. Includes patents in which one of the motors operates a door.

Note.—See class 105, RAILWAY ROLLING STOCK, the subclasses indented under subclass 238, Special car bodies, for door operation and door actuators.

Note.—See class 121, MOTORS, EXPANSIBLE-CHAMBER TYPE, subclass 44, Servo-motor type, For closures, for the structure of motors used in operating doors and other closures.

Note.—See class 180, MOTOR VEHICLES, subclass 82, Safety devices, for safety devices involving the operation of a door.

Note.—See class 268, CLOSURE OPERATORS, for closure operators per se.

Condition of Applications Under Examination at Close of Business April 16, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,941; Trade-Mark Division, 1,959. Oldest new case, Oct. 12, 1925; oldest amended, Oct. 30, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Jan. 30	Feb. 1	589
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Dec. 29	†Nov. 30	590
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 2	Jan. 12	1,113
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Jan. 23	Jan. 5	551
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Nov. 17	†Nov. 21	925
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 23	Jan. 2	1,164
106	7. JARROE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 22	Jan. 22	804
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 4	Feb. 4	1,009
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	†Dec. 17	545
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 9	Jan. 14	964
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 1	Feb. 1	727
380	12. PIERCE, P. P., Machine Elements	Jan. 15	Jan. 22	609
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 26	Feb. 11	598
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 4	Jan. 2	952
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 2	Feb. 10	596
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 8	Jan. 7	909
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 11	Jan. 5	412
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 7	†Dec. 15	817
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Jan. 5	Feb. 4	512
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 21	Jan. 23	743
212	21. THURHER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 3	Jan. 22	479
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 15	Jan. 24	606
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 19	Jan. 2	270
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 16	Feb. 9	478
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Jan. 15	Jan. 21	832
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Oct. 12	†Nov. 2	799
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 17	Feb. 17	481
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 16	Feb. 9	828
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 2	†Nov. 2	1,039
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 21	Feb. 1	746
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 10	Feb. 9	830
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Jan. 21	Jan. 23	563
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 18	Feb. 18	754
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Nov. 3	†Nov. 2	718
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Jan. 30	Feb. 9	492
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 20	Jan. 26	1,025
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Jan. 4	Jan. 15	963
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 7	†Dec. 5	855
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 8	Feb. 2	455
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 21	Jan. 20	1,082
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Jan. 26	Jan. 22	448
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 23	Jan. 16	984
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 5	Jan. 6	790
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Oct. 30	†Oct. 30	985
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Jan. 16	Jan. 25	493
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 4	Jan. 2	717
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 6	Jan. 2	1,039
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 9	†Nov. 9	1,660
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 5	Feb. 6	550
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Dec. 22	†Dec. 24	1,255
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 16	†Dec. 16	1,737
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 1	Feb. 1	799
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 3	Feb.	716
102	DESIGNS: C. O. MARKHAM (Acting)	Mar. 22	Mar. 31	344
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks	Mar. 17	Apr. 3	1,828
	{Labels and Prints	Apr. 2	Apr. 5	128

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

HENDERSON *v.* TANNER AND THOMPSON.

Decided January 21, 1925.

1. SPECIFICATION—EXPLANATION OF BY TESTIMONY OR DEPOSITION.

Persons outside the Office should not be permitted to explain, by way of testimony or deposition, whether an application comes within the provisions of the statute as to clearness of disclosure.

2. BRITISH PROVISIONAL SPECIFICATION—MOTION TO TAKE TESTIMONY AS TO ITS MEANING.

H's motion to take testimony as to what was meant by a canceled statement in a British provisional specification was properly denied by the Examiner of Interferences where it was brought many years after the provisional specification was filed and after a very considerable additional knowledge upon the subject and the art had been obtained.

PATENT Interference No. 46,701.

APPEAL on motion.

GYROSCOPIC COMPASSES.

Application of James Blacklock Henderson filed June 2, 1921, Serial No. 474,360½.

Patent granted to Harry L. Tanner and Herbert H. Thompson, July 8, 1919, No. 1,309,592, on application filed May 27, 1915.

Mr. Henry Moakley and *Messrs. Moakley & Gill* for Henderson.

Mr. Herbert H. Thompson for Tanner and Thompson.

KINNAN, *First Assistant Commissioner:*

The party Henderson has appealed or petitioned from the decision of the Examiner of Interferences denying Henderson's motion to take testimony to show that his British provisional specification filed in that country in 1913 discloses the invention of the issue.

Tanner and Thompson filed their application for patent for the invention of the issue on May 27, 1915, and the patent was issued July 8, 1919. Henderson filed his application June 2, 1921, almost two years after the grant of the Tanner and Thompson patent. On July 8, 1921, just two years after the grant of the Tanner and Thompson patent, Henderson filed an amendment containing claims copied from the above-noted patent and requested an interference therewith. Henderson, in order to avail himself of the benefit of the filing date, November 13, 1913, of his British application, relied upon the provisions of the so-called Nolan Act, approved March 3, 1921. After the declaration of the interference and before any testimony was taken Henderson moved for judgment on the record. On the same date Tanner and Thompson moved for judgment and to dissolve. After final disposition of the motion to dissolve the Examiner of Interferences denied Henderson's motion for judgment on the ground that his British specification did not disclose the invention. A certain paragraph in such British specification was relied upon, and this paragraph, it satisfactorily appeared, had been canceled and was not included thereafter as part of the application for patent. The complete specification was filed May 28, 1921. The Examiner held that even this canceled paragraph did not disclose the invention of the issue.

The motion of Tanner and Thompson for an order to show cause against Henderson why judgment should not be rendered against him was granted; but the judgment of priority against Henderson was suspended until the expiration of the appeal from the denial by the Examiner of Interferences of Henderson's motion to take testimony.

[1, 2] While each party at the hearing before me and in the briefs filed by counsel considered the construction involved in the counts of the issue and the disclosure in Henderson's provisional British specification, yet it is believed, for the determination of the instant appeal, a review of these features will not be necessary. Section 4888, Revised Statutes, provides that before any inventor or discoverer shall receive a patent for his invention or discovery he must file a written description of the same, and—

> of the manner and process of making, constructing, compounding, and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same.

If Henderson can properly rely upon the disclosure in his British provisional specification for a constructive date of invention and reduction to practice, that disclosure must conform to the terms of this section of the statutes. It is believed the officials of the Patent Office who are required by law to determine whether an application conforms to the provisions of the section above quoted are sufficiently expert in the art to which an application relates to determine whether a certain invention or structure is or is not disclosed. It is not believed a wise or safe proceeding to permit others outside of the Office to explain, by way of testimony or deposition, whether an application comes within the provisions of the statute as to clearness of disclosure. It is not thought proper, many years after the British provisional specification was filed and after a very considerable additional knowledge upon this subject and the art has been obtained, to, at this late date, submit testimony as to what was meant by the canceled statement in that provisional specification. Counsel for Henderson has not submitted any precedent in support of his motion, and I am unaware of any. The holding of the Court of Appeals of the

District of Columbia, in the case of *Cooper* v. *Downing*, 230 O. G. 909; 45 App. D. C. 345, cited by counsel for Tanner and Thompson, is persuasive that Henderson's motion should not be granted. In that case the court held that the Commissioner of Patents properly refused to hear evidence as to what was intended by Downing's original application and disclosure, holding that it is the duty of the tribunals of the Patent Office, composed of men presumed to be sufficiently expert in understanding technical terms and the state of the art, to determine what an application discloses.

I have not investigated nor determined whether the Examiner of Interferences was right in holding Henderson's British provisional specification does not disclose the invention of the issue. If Henderson deems the Examiner of Interferences in error as to this, appeal may be taken in the regular manner from a judgment on priority.

The decision of the Examiner of Interferences denying Henderson's motion to take testimony is affirmed.

ANDREWS RADIO COMPANY *v.* TIMMONS RADIO PRODUCTS CORPORATION.

Decided December 10, 1925.

1. TRADE-MARKS—OPPOSITION—DESCRIPTIVE NOTATION—NO ALLEGATION OF USE IN NOTICE.
   Opposition to registration of descriptive notation dismissed because of lack of allegation, in the notice of opposition, of use of a descriptive phrase or notation with which the applicant's notation could conflict.
2. SAME—SAME—MATTERS NOT PLEADED.
   Matters not pleaded cannot ordinarily be considered in a notice of opposition.
3. SAME—SAME—DESCRIPTIVE MARK—OPPOSER MUST SHOW USE.
   Opposer must show use of the notation sought to be registered or one substantially the same in a descriptive sense upon its goods, even where opposition is made to a descriptive mark.
4. SAME—DESCRIPTIVE MARK—"B-LIMINATOR".
   The notation "B-Liminator" applied to a device for eliminating or taking the place of the B battery used with radio receiving sets is descriptive.

APPEAL from Examiner of Interferences.

Opposition No. 6261 to registration of Timmons Radio Products Corporation for radio apparatus, application filed November 24, 1924, Serial No. 205,798, published March 3, 1925.

Messrs. Wolfe & Littlehales for Andrews Radio Company.

Messrs. Howson and Howson for Timmons Radio Products Corporation.

KINNAN, *First Assistant Commissioner:*

This case comes on for a review, on appeal of the opposer, Andrews Radio Company, of the decision of the Examiner of Trade-Mark Interferences dismissing the opposition and adjudging the applicant, Timmons Radio Products Corporation, entitled to registration of the notation "B-Liminator" applied to electrical rectifying and filtering apparatus for use on the house lighting circuit for radio apparatus.

The opposition is based upon the ground of probable damage to opposer, because the notation sought to be registered by the applicant is descriptive of goods which the opposer has been, since prior to the applicant's alleged date of adoption and use of the notation, placing upon the market. The particular goods in which opposer has dealt are admittedly of the same character as those upon which the applicant placed the notation—devices for eliminating or taking the place of the B battery used with radio receiving sets.

[1] The opposition was dismissed for the reason that opposer had not alleged, in its opposition, use of any descriptive notation which is similar to that sought to be registered as a trade-mark. Opposer was given an opportunity to submit some evidence that it had in trade used a notation similar to that used by the applicant and has submitted photographic copies of some invoices which display the use of the terms "B-Eliminator" and "B-Battery Eliminator", applied in substantially the same sense to describe a device for eliminating the B battery of the usual radio receiving set. Notwithstanding these copies of invoices, the Examiner of Interferences adhered to his decision dismissing the opposition because of lack of allegation, in the notice, of use of a descriptive phrase or notation with which the applicant's notation could conflict.

[2] It must be fairly established that matters not pleaded can not ordinarily be considered in a notice of opposition. This is the general and accepted rule of equity pleading. So long ago as the decision in the case of *Harrison* v. *Nixon*, 9 Peters 503, Mr. Justice Story, speaking for the United States Supreme Court, said:

> Every bill must contain in itself sufficient matters of fact, per se, to maintain the case of the plaintiff; so that the same may be put in issue by the answer, and established by the proofs. The proofs must be according to the allegations of the parties; and if the proofs go to matters not within the allegations, the Court cannot judicially act upon them as a ground for its decision; for the pleadings do not put them in contestation.

In the case of *McIlhenny's Son* v. *New Iberia Extract of Tabasco Pepper Co., Ltd.*, 133 O. G. 995; 30 App. D. C. 337, the court stated:

> The right of the petitioner to intervene was dependant upon a showing of interest. The statute does not contemplate that any one may petition the Commissioner to cancel a trade-mark regularly registered, but it does provide that any one who "shall deem himself injured" may do so. The petition, therefore, must contain a statement of fact on this jurisdictional question sufficiently full to show that the petitioner has been injured by the registry of the mark he seeks to have canceled.

In the case of *Battle Creek Sanitarium Co., Ltd.* v. *Fuller*, 134 O. G. 1299; 30 App. D. C. 411, the court, after noting that it was insufficient for the opponent to say he believes he would be damaged, said:

> He must allege some fact showing an interest in the subject-matter from which damage might be inferred. If he has not used the mark as a trade-mark upon goods of a like description he can suffer no damage from its registration by another.

This doctrine was repeated in the case of *Underwood Typewriter Co.* v. *A. B. Dick Co.*, 163 O. G. 730; App. D. C. 175. In this last mentioned case the court found the opposition fatally defective because the opposer had not shown use of the mark. The same court in the case of *The Hump Hairpin Co.* v. *The De Long Hook and Eye Co.*, 190 O. G 1032; 39 App. D. C. 484, stated upon this same point:

> This is a question which the opponent cannot raise, having shown no interest that is not common to the general public.

[3] The doctrine of these adjudicated cases is not disputed by opposer, appellant here, since they refer to oppositions or cancellations of what would otherwise be valid trade-marks. It is, however, contended on the part of opposer that where opposition is made to registration of a descriptive mark it is not necessary for opposer to show use of the notation sought to be registered or one substantially the same in a descriptive sense upon its goods. It is not believed this contention is supported by the adjudicated cases or by the fundamental rules of equity pleading. While the court, in the case of *Elishewitz* v. *Leyser, Green Co.*, 247 O. G. 479; 47 App. D. C. 193, used broad language to the effect that injury will be presumed to follow the improper registration of any descriptive word, yet the opposer in that case had been using a word similar to that sought to be registered upon its goods.

In the *Arkell Safety Bag Co.* v. *Safepack Mills*, 314 O. G. 3; 53 App. D. C. 218, the court noted that the brief of the appellant "devotes much time to the contention that 'Safepack' is merely descriptive, and hence not registrable", and then added:

> But the opposer has no right to raise that question in this case unless the fact that it is descriptive would be likely to damage it. Probable damage is the basis upon which an opposition proceeding must rest.

This decision is subsequent to the cases cited by opposer, which were decided by an Assistant Commisioner, even if said later cases supported appellant's contentions. However, a review of those cases was made by the Examiner of Trade-Mark Interferences and they were distinguished from the case at bar. It is believed they were correctly interpreted in that decision. Upon a review of the entire proceedings it is believed the conclusions of the Examiner of Trade-Mark Interferences are sound and that the opposition must be dismissed.

[4] It is thought the notation sought to be registered is descriptive. Judicial notice may be taken of the fact that radio receiving sets employing one or more tubes, as widely in use in this country, employ two or sometimes three batteries. The first battery which supplies the energy for the tube filament or filaments is known in the trade as the A battery, and the battery which supplies the tube electrodes is known as the B battery. There have been efforts made to devise devices which can be substituted for this B battery, and they have been on the market for some time and are known in the trade as B-battery eliminators and are often simply styled B eliminators. They are on sale and are readily ordered by the last-noted term. These facts may readily be verified upon inquiry at radio supply stores in this city. There is so small a distinction between the notation sought to be registered, which merely omits the "e" of the word "eliminator", and the frequently-used trade name for devices of this character that it would seem appellant had not sufficiently changed such trade name to escape the holding that it is descriptive. In pronouncing the trade name "B eliminator", the "e" is scarcely sounded or heard, and in pronouncing, its absence from the trade name would not be likely to be noticed.

It is held, in consequence, that the notation is descriptive and that applicant is not entitled to the registration.

The decision of the Examiner of Trade-Mark Interferences dismissing the opposition is affirmed.

ADJUDICATED PATENTS.

(C. C. A. Ohio.) The Pickett patent, No. 824,809, for lubricator, claims 1, 2, and 4, *Held* not infringed. *Pickett* v. *F. B. Stearns Co.*, 10 F. (2d) 414.

(D. C. Calif.) The Ameling patent, No. 997,358, for double-barrel-type rotary core drill, *Held* valid, but not infringed. *Spengler Core Drilling Co.* v. *Spencer*, 10 F. (2d) 579.

(C. C. A. Ill.) The Goldberg patent, No. 1,128,773, for carburetor, claims 1 to 6, 11, 17 to 22, and 25 to 27, *Held* invalid. *Stromberg Motor Devices Co.* v. *Benecke & Kropf Mfg. Co.*, 10 F. (2d) 405.

(C. C. A. Ill.) The Anderson patent, No. 1,166,734, for carburetor, claim 15, *Held* invalid. *Stromberg Motor Devices Co.* v. *Benecke & Kropf Mfg. Co.*, 10 F. (2d) 405.

(D. C. N. Y.) The Belknap patent, No. 1,256,509, for addressing machine, claims 3–6, *Held* valid and infringed. *Belknap* v. *Wallace Addressing Mach. Co.*, 10 F. (2d) 602.

(C. C. A. Calif.) The Soule patent, No. 1,256,839, for mounting and control of casement windows, claims 1 and 8, *Held* not infringed. *Hauser* v. *Simplex Window Co.*, 10 F. (2d) 457.

(C. C. A. Ill.) The Rayfield patent, No. 1,335,389, for carburetor, *Held* not infringed. *Stromberg Motor Devices Co.* v. *Benecke & Kropf Mfg. Co.*, 10 F. (2d) 405.

(D. C. N. Y.) The Drake and Vanderveer patent, No. 1,362,856, for rear-view mirror within automobile windshield, *Held* invalid. *Benzer Corporation* v. *Dresner*, 10 F. (2d) 620.

(D. C. Pa.) The Dann patent, No. 1,374,553, for transformer tank, claims 7, 10, 11, 12, 14, and 15, *Held* invalid. *Westinghouse Electric & Mfg. Co.* v. *Pittsburgh Transformer Co.*, 10 F. (2d) 593.

(D. C. N. Y.) The Benzer patent, No. 1,401,942, for mirror on side wind deflector for automobiles, claims 1 and 2, *Held* invalid. *Benzer Corporation* v. *Dresner*, 10 F. (2d) 619.

(D. C. Pa.) The Weiss patent, No. 1,411,231, for vulcanization accelerator, claims 8 and 12, *Held* invalid. *Dovan Chemical Corporation* v. *Corona Cord Tire Co.*, 10 F. (2d) 598.

(D. C. Ill.) The Rose reissue patent, No. 15,671, for improved automatic bearing bolt and attachments for internal-combustion engines, *Held* invalid. *Kil-Nock Co.* v. *Chicago Plating Co.*, 10 F. (2d) 536.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

735,414, Scherzer & Kandeler, Bascule bridge, decree of district court affirmed Feb. 19, 1926, C. C. A. (7th Cir.), Doc. 3606, *The Scherzer Rolling Lift Bridge Co.* v. *City of Chicago et al.*

809,582, 942,932, H. Robinson, Machine for peeling vegetables, decree of district court reversed Mar. 5, 1926, C. C. A. (7th Cir.), Doc. 3645, *D. Dangler et al.* v. *Imperial Machine Co.*

855,160, 1,101,783, A. L. Bush, Railroad train shed, decree of district court affirmed Mar. 4, 1926, C. C. A. (7th Cir.), Doc. 3514, *A. L. Bush.* v. *Indianapolis Union Railway Co. et al.*

914,678, F. Skelton, Handle for shovels, spades, and other tools; 1,240,503, same, Reenforced D handle, suit filed Mar. 5, 1926, D. C., N. D. W. Va., Doc. 946, *W. E. Skelton et al* v. *Baldwin Tool Works.*

942,932. (See 809,582.)

973,696, E. F. Ponath, Motor-driven hair clipper, appeal filed Feb. 17, 1926, C. C. A. (7th Cir.), Doc. 3718, *Moore Electric Corp.* v. *E. F. Ponath.*

1,079,158, R. C. Beatty, Display device for bottles and analogous articles, suit filed Mar. 10, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1775, *R. C. Beatty* v. *The Pompeian Co.*

1,101,783. (See 855,160.)

1,156,122, J. C. Woodley, Fibrous composition and manufacture, suit filed Feb. 27, 1926, D. C., W. D. N. Y., Doc. E 947, *The Richardson Co. et al.* v. *The Gould Storage Battery Co.*

1,177,079, R. Agrillo, Chain, appeal filed Feb. 24, 1925, C. C. A. (7th Cir.), Doc. 3723, *Mandel Bros.* v. *Victory Belt Co.*

1,240,503. (See 914,678.)

1,252,469, 1,331,272, 1,433,901, S. Marcus, Artificial eyes for dolls, display figures and the like, filed consent and order of discontinuance (notice dated Mar. 5, 1926), D. C., S. D. N. Y., Doc. E 33/269, *F. & M. Novelty Co., Inc.*, v. *Uneeda Doll Co., Inc.* Same, consent decree sustaining patents and granting injunction Mar. 4, 1926, D. C., S. D. N. Y., Doc. E 30/126, *F. & M. Novelty Co., Inc.*, v. *Overland Metal Novelty Co., Inc.*

1,271,527, M. C. Hopkins, Sound regenerating; 1,271,529, same, Acoustic device, decree for plaintiff Mar. 5, 1926, D. C., E. D. N. Y., Doc. 2075, *Lektophone Corp.* v. *Sylo Lighting Fixture Co.*

1,271,529. (See 1,271,527.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Feb. 15, 1926, D. C. Minn. (4th Div.), Doc. E 503, *The Bassick Mfg. Co.* v. *Plant Co.*

1,307,734. (See 1,307,733.)

1,331,272. (See 1,252,469.)

1,366,768, S. J. Clulee, Construction for eyeglasses; 1,384,862, Schumacher & Boutelle, Ophthalmic mounting, decree for plaintiff, patents infringed (notice dated Feb. 27, 1926), D. C., W. D. N. Y., Doc. 415, *American Optical Co. et al.* v. *Kirstein Optical Co., Inc.*

1,384,862. (See 1,366,768.)

1,421,763. (See Re. 15,217.)

1,433,901. (See 1,252,469.)

1,522,344, 1,554,928, A. B. Thompson, Automatic windshield cleaner, suits filed Mar. 2, 1926, D. C., W. D. N. Y., Doc. E 950, *Trico Products Corp.* v. *S. Taubman et al;* and Doc. E 951, *Trico Products Corp.* v. *Smith Auto Supply Co., Inc.*

1,553,002, C. O. Nelson, Livestock remedy, suit filed Mar. 9, 1926, D. C. Nebr. (Omaha), Doc. E 788, *United Fly Salt Co.* v. *J. & R. Stock Salt Co.*

1,554,928. (See 1,522,344.)

1,563,064, C. A. Beardmore, Screw driver, suit filed Feb. 26, 1926, D. C. Md., Doc. E 1097, *C. A. Beardmore* v. *Trimble & Fink et al.*

1,568,216, P. Fritz, Ice-cream cabinet, suit filed Mar. 9, 1926, D. C., W. D. Mich. (S. Div.), Doc. 1955, *P. Fritz* v. *Consolidated Cabinet Corp.*

Re. 15,217, W. A. Caldwell, Ventilated-grain-crib stave; 1,421,763, same, Grain crib, decree of district court reversed Mar. 5, 1926, C. C. A. (7th Cir.), Doc. 3665, *Mrs. Mat Weiser* v. *Portable Elevator Mfg. Co.*

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 14, 1926.*

Israel Shapiro, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 1,508,726, granted September 16, 1924, to Israel Shapiro, 2410 East Colfax Street, Denver, Colo., and the applications for patent filed by John Bailey Browning, 546 Hadden Avenue, Camden, N. J.; Daniel E. Jones, 4463 Pershing Avenue, St. Louis, Mo.; Walter Lytton, 1824 Lytton Building, Chicago, Ill.; Frederick K. Vreeland, 228 Orange Road, Montclair, N. J.; Alfred N. Goldsmith, 477 Gramatan Avenue, Mount Vernon, N. Y.; Louis P. Horning, jr., 27 South Broad Street, Elizabeth, N. J.; Raymond E. Schafer, 4264 South Western Avenue, Los Angeles, Calif.; Edwin S. Pridham and Peter L. Jensen, 2725 East Fourteenth Street, Oakland, Calif.; Edward B. Jordan, jr., 162 Hilton Avenue, Hempstead, N. Y.; Robert Gordon French, 517 South Wesley Avenue, Oak Park, Ill.; George L. Israel, 2045 Wendover Street, Pittsburgh, Pa.; William Harrison Cole, 9 Central Avenue, Newark, N. J.; Elmer H. Wilkinson, 948 Penobscot Building, Detroit, Mich.; Grover G. Rehfield, 6218 Vernon Avenue, Chicago, Ill.; John H. Newman and Herman P. Pullwitt, Chicago Beach Hotel, Chicago, Ill., and 1004 South Highland Avenue, Oak Park, Ill., respectively. The notice of such declaration sent by registered mail to said Israel Shapiro at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Israel Shapiro, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner

U. S. PATENT OFFICE, *Washington, Apr. 1, 1926.*

Spoehr's, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stephen F. Whitman & Son, Inc., Fourth, Race, and Lawrence Streets, Philadelphia, Pa., for registration of a trade-mark and trade-mark registered December 6, 1921, No. 149,242, to Spoehr's, 179 North Michigan Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Spoehr's at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Spoehr's, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Disclaimer.

1,518,759.—*Albert J. Sayers*, Chicago, Ill. LOADING BOOM. Patent dated December 9, 1924. Disclaimer filed April 9, 1926, by the patentee.

Hereby enters this disclaimer to that claim in said Letters Patent which is in the following words, to wit:

"4. In a coaling assembly comprising in part a track along which the cars to be loaded are propelled coal delivery means adapted to deliver coal to a point at one side of said track, a loading boom pivoted at one end about a vertical axis adjacent said delivery means, means for supporting the other end of the boom, an endless conveyor extending from end to end of said boom and motive means therefor, and a picking platform mounted upon said boom."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 27, 1926.

[VOL. 345. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 177,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 20, 1923.

INTERNATIONAL

Particular description of goods.—Wheat Flour.
Claims use since Feb. 10, 1923.

Ser. No. 189,288. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ADVANCE PATTERN & FOUNDRY COMPANY, Chicago, Ill. Filed Dec. 6, 1923.

ADVANCE
CAST
<ALUMINUM>
PRODUCTS

No claim is made to the exclusive right to the words "Cast Aluminum Products" separate and apart from the mark shown on the drawing.

Particular description of goods.—Cast-Aluminum Cooking Utensils.
Claims use since January, 1921.

Ser. No. 192,143. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN W. NEWBERRY, doing business as Duplex Manufacturing Company, New York, N. Y. Filed Feb. 11, 1924.

KOALESS

Particular description of goods.—Oil Burners.
Claims use since July, 1923.

Ser. No. 192,200. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) TINGUE, BROWN & CO., New York, N. Y. Filed Feb. 12, 1924.

ECONOMY

Particular description of goods.—Printers' Press Blankets.
Claims use since 1916.

Ser. No. 192,459. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WALTHAM WATCH AND CLOCK COMPANY, now, by change of name, Waltham Watch Company, Waltham, Mass. Filed Feb. 16, 1924. Under section 5b of the act of 1905 as amended in 1920.

WALTHAM

Particular description of goods.—Speed and Distance Indicators.
Claims use since on or about Nov. 12, 1915.

Ser. No. 192,876. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"First-Aid"

Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since May, 1910.

Ser. No. 194,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYLES SALT CO., LTD., New Orleans, La. Filed Mar. 31, 1924.

The use of the word features appearing on the drawing is disclaimed apart from the mark shown. The mark consists of a figured and colored panel, as shown, comprising a white intermediate band having upper and lower red borders, the white band having a central yellow circle inclosing a blue circle.

Particular description of goods.—Salt.

Claims use since on or about Jan. 1, 1924.

Ser. No. 196,736. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed May 8, 1924.

SELSYN

Particular description of goods.—Electrical Apparatus for Transmitting and Receiving Motion.

Claims use since April, 1921.

Ser. No. 198,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER G. LENNON, doing business as Peter G. Lennon & Company, Joliet, Ill. Filed June 9, 1924.

DELLWOOD

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Fish, Wheat Flour, Vinegar, Canned Sauerkraut, Cottonseed Salad Oil; and Canned Pork and Beans.

Claims use since Dec. 1, 1923.

Ser. No. 198,543. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed June 13, 1924.

The words "Heavy Duty Hardware" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Automobile Body Hardware Comprising Window Regulators and Parts Thereof, Window-Regulator Handles, Piano Hinges, Door Handles, Door Bumpers, Door Hinges, Doorchecks, Curtain Rolls, Pull-To Handles, Kick Plates, and Foot Rests.

Claims use since Feb. 1, 1924.

Ser. No. 198,544. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed June 13, 1924.

The words "Heavy Duty Hardware" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Automobile Body Hardware Comprising Die Castings, Metal Shapes, Lead-Filled Molding, Running-Board Molding, Shroud Beading, Floor-Board Molding, Sash Channels, Header Channels, Trunk Back Molding, Cushion Retainers.

Claims use since Feb. 1, 1924.

Ser. No. 200,972. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) IRVIN E. VAN DORN, St. Paul, Minn. Filed Aug. 4, 1924.

Silvermoon

Particular description of goods.—Hair Nets.

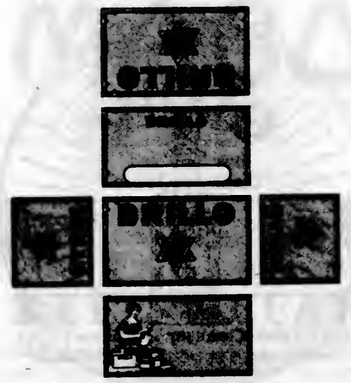
Claims use since Mar. 28, 1924.

Ser. No. 201,395. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DE VORE MFG. CO., Columbus, Ohio. Filed Aug. 14, 1924.

Particular description of goods.—Medicated Throat Disks; Face, Skin, and Massage Creams and Pastes; Perfumes and Toilet Waters of all Kinds, Hair Tonic, Hair Oil, Hairdressing, Hair Pomade, Shampoo Oil, Glycerin and Rose Water, Witch-Hazel, Face Powder, Bath and Talcum Powder, Foot Powder, Tooth Powder, Tooth Paste, Liquid Rouge, Depilatory Powder, Bay Rum, Bandoline, Styptic Pencils, Tooth Wash, General Tonics, Laxative Tonic Tablets, Laxative Iron Tablets, Special Kidney Treatment, Special Rheumatic Preparation, Kidney Tablets, Cold Tablets, Headache Tablets, Gland Tablets, Hinkle Tablets, Nerve Tablets, Soda-Mint Tablets, Worm Sirup, Cough Sirup; Beef, Iron, and Wine; Natural Herbs, Emulsion of Cod-Liver Oil, Sirup Hypophosphites, Diabetes Treatment, Asthma Treatment, Tero-Bene Compound, Special Bromides Compound, Mineral Salts, Diarrhea and Cramp Cordial, Toothache Drops, Catarrh Oil, Catarrh Jelly, Candy Laxative, Cream-of-Tartar Lozenges; Liniments, Ointments, and Salves for General Uses; Pile Ointment, Pneumonia and Croup Salve, Stearate Zinc, a Preparation for Soothing Painful and Swollen Tonsils, a Preparation Containing Menthol and Tar, Aspirin Tablets, Dyspepsia Tablets, Rheumatic Tablets, Tablets for Use in Easing Foot Pains, Spirits of Camphor, Camphorated Oil and Corn Remedy; Beauty Cream, Blaud's Mass Tablets, Calomel Tablets, Sanguinaria Tincture, Potassium Chlorate Tablets, Buchu Fluid Extract, Bloodroot Fluid Extract, Acid Acetylsalicylic Tablets, Iodized Lime Tablets, Cascara and Aloes Compound Tablets, Aphrodisiac With Orchic Substance, Iron Chloride Tincture, Nux Vomica Fluid Extract, Arnica Tincture, Acetylsalicylic Acid Tablets, Acetylsalicylic Acid and Acetphenetidin Tablets, Green-Soap Tincture, Capsicum Fluid Extract, Acetanilide Compound Tablets, Aloin, Podophyllin and Phenolphthalein Tablets; Iron, Quinine, and Strychnine; Vaginal Wafers Tablets, Acetyl Salicylic Acid and Caffeine Tablets, Cascara Compound Tablets, Aphrodisiac Tablets, Lactated Pepsin, Bismuth and Strychnine, Migraine Compound Tablets, White-Pine Compound, Hexamethylamine Tablets, Cascara and Aloes Compound Tablets, Cantharides Tincture, Antipain Tablets, Elixir Damiana, Phosphorus and Nux Vomica, Buchu Compound, Antiacid Tablets, Mustard Ointment, Haarlem Oil Capsules.

Claims use since Apr. 1, 1922.

Ser. No. 204,082. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Oct. 18, 1924.



No claim is made to the representation of the carton in the drawing apart from the mark shown. The drawing is lined for the following colors: red and green.

Particular description of goods.—Cleaning, Scouring, and Polishing Wads, Pads, Rolls, and Cloths of Abradant Nature and for Removing Foreign Matter from Metal and Other Surfaces.

Claims use since Aug. 15, 1924.

Ser. No. 205,315. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BUCYRUS COMPANY, South Milwaukee, Wis. Filed Nov. 15, 1924. Under ten-year proviso.

BUCYRUS

Particular description of goods.—Electric-Lighting Plants; Motor Generators, Cables for Carrying Electric Current, Lifting Magnets, and Repair, Spare, and Replacement Parts for the Goods Specified.

Claims use since 1894.

Ser. No. 205,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYNSON, WESTCOTT & DUNNING, Baltimore, Md. Filed Nov. 15, 1924.

MERCUROCHROME-220 SOLUBLE

Reserving all common-law rights, no claim is made to the right of exclusive use of the word "Soluble" apart from the mark as shown.

Particular description of goods.—Antiseptics, Germicides, and Bactericides.

Claims use since about February, 1920.

Ser. No. 205,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINIFRED P. PRESTON, doing business as Glow Manufacturing Co., Salt Lake City, Utah. Filed Nov. 28, 1924.

Applicant disclaims the exclusive right to the use of the words "Hair Cleanser and Tonic" except as shown in connection with the balance of the mark shown in the drawing.

Particular description of goods.—Hairdressing, a Liquid Preparation Used as a Tonic and Cleanser for the Hair.
Claims use since Jan. 30, 1923.

Ser. No. 207,241. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed Dec. 26, 1924.

Peter Pan

Particular description of goods.—Strings of Pearls and Reproduction of Pearls, or Imitations thereof.
Claims use since about Sept. 1, 1924.

Ser. No. 207,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924.

WINNER

Particular description of goods.—Oleomargarine.
Claims use since Feb. 1, 1910.

Ser. No. 208,579. (CLASS 11. INKS AND INKING MATERIALS.) THE EAGLE PICHER LEAD COMPANY, New York, N. Y.; Philadelphia, Pa.; Newark, N. J.; Cincinnati, Ohio; St. Louis and Joplin, Mo.; Chicago, Ill. Filed Jan. 24, 1925.

AAA

Particular description of goods.—Orange Mineral, a Pigment Used as an Ink Constituent.
Claims use since July 3, 1916.

Ser. No. 208,685. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE SPADRA COAL COMPANY, Clarksville, Ark. Filed Jan. 26, 1925.

The exclusive use of the expression "Heart of Spadra Anthracite" is disclaimed, also "Blue Flame," except in connection with the trade-mark as shown.

Particular description of goods.—Anthracite Coal.
Claims use since Dec. 1, 1921.

Ser. No. 208,937. (CLASS 12. CONSTRUCTION MATERIALS.) HOWARD E. BUSHNELL, Basking Ridge, N. J. Filed Feb. 2, 1925.

The word "Kennel" and the representation of the same are hereby disclaimed except as the same are used in combination with other features of the mark.

Particular description of goods.—Dog Kennels.
Claims use since Aug. 1, 1924.

Ser. No. 209,254. (CLASS 12. CONSTRUCTION MATERIALS.) TILO PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 7, 1925.

PRO-TEX-ALL

Particular description of goods.—Roofing Materials—Namely, Shingles, Cement, Roofing Papers, and Roofing Compounds.
Claims use since November, 1924.

Ser. No. 209,310. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) MONTGOMERY WARD & CO., INC., Chicago, Ill. Filed Feb. 9, 1925.

Progress

Particular description of goods.—Clothes or Laundry Washing Machines.
Claims use since Jan. 2, 1924.

Ser. No. 210,363. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COAST DRY BATTERY CO., Seattle, Wash. Filed Mar. 2, 1925.

WHIZ

Particular description of goods.—Batteries, Flash-Light Casings.
Claims use since Dec. 30, 1924.

Ser. No. 210,456. (CLASS 37. PAPER AND STATIONERY.) HOOPER PAPER & TWINE CO., INC., Philadelphia, Pa. Filed Mar. 3, 1925.

PREMIER BRAND

No claim is made to the exclusive use of the word "Brand" except in association with the other features of the mark.

Particular description of goods.—Wrapping Papers, Tissue Papers, Toilet Papers, Paper Towels, Sealing Paper Tape, Blotters, Correspondence Envelopes, Adding-Machine Paper, Paper Napkins, Wax Paper, and Pattern Paper.
Claims use since about June 15, 1921.

Ser. No. 210,568. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 5, 1925.

MACO

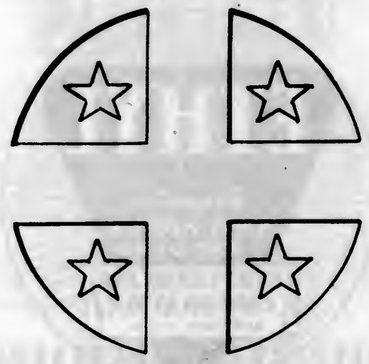
Particular description of goods.—Coffee Urns.
Claims use since Dec. 20, 1924.

Ser. No. 210,581. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN A. SOLMES, doing business as J. A. & R. E. Solmes, St. Paul, Minn. Filed Mar. 5, 1925.

KEEP-KLEAN

Particular description of goods.—White Cloth for Uniforms, Composed of Cotton, Wool, or Mixtures of the Same.
Claims use since on or about Aug. 15, 1924.

Ser. No. 210,640. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa. Filed Mar. 7, 1925.



Particular description of goods.—Aluminum and Aluminum Alloys.
Claims use since 1894.

Ser. No. 210,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORIN C. STOUT, doing business as Cilia-Derma Products Co., Columbus, Ohio. Filed Mar. 13, 1925.

CILIA-DERMA

Particular description of goods.—Toilet Preparations—Namely, Liquid Shampoo.
Claims use since about Oct. 1, 1924.

Ser. No. 211,262. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARGARET FREDERICK, Louisville, Ky. Filed Mar. 19, 1925.

The words "Stores" and "Furniture" are disclaimed apart from the mark as shown.

Particular description of goods.—Beds, Chiffoniers, Chifforobes, Toilet Tables, Bedroom Chairs, Bureaus, Dressers, Bedroom Stools, Washstands, Dining Tables, Sideboards, Buffets, China Closets and Cabinets, Dining-Room Chairs, Sewing Tables, Tea Carts, Rockers for Domestic Use; Chairs for Library, Parlors, Living Rooms, and Halls; Kitchen Cabinets, Kitchen Chairs, Kitchen Tables; Other Tables for Libraries, Parlors, Living Rooms, Bedrooms, and Halls; and Cedar Chests.

Claims use since Oct. 1, 1924.

Ser. No. 211,995. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 1, 1925.

No claim is made to the following words appearing upon the drawing: "Brand of Anti-Knock Compound, New York, U. S. A."

Particular description of goods.—Antiknock Compound.

Claims use since Feb. 27, 1925.

Ser. No. 212,002. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES E. HERATY, La Crosse, Wis. Filed Apr. 1, 1925.

Particular description of goods.—Rouge.

Claims use since Jan. 15, 1925.

Ser. No. 212,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHN B. CANEPA COMPANY, Chicago, Ill. Filed Apr. 15, 1925.

Particular description of goods.—Macaroni, Spaghetti, Vermicelli, and Noodles and Varieties Thereof Called Alimentary Paste Goods.

Claims use since April, 1872.

Ser. No. 212,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. A. CHEATHAM, Lodi, Calif. Filed Apr. 15, 1925.

Royal Quest

Particular description of goods.—Fresh Grapes.

Claims use since Jan. 31, 1925.

Ser. No. 213,011. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TOBE C. DEUTSCHMANN, Boston, Mass. Filed Apr. 20, 1925.

Particular description of goods.—Wires, Cables, Jacks, Plugs, Condensers, Fixed Condensers, Variable Condensers, By-Pass Condensers, Transformers, Grid Leaks, Loop Antennæ, Loud Speakers, Loud-Speaker Units, Head Phones, Batteries, Battery Cords, Loop Cords, Switches, Battery-Charging Rectifiers, X-Ray Tubes, Electron Tubes, Radio Receiving Sets, Porcelain Insulators, Couplers, Variometers, Microphones, Crystal Detectors, Rheostats, Dials, Phone Cords, Motors, Dynamos, and Insulators.

Claims use since Aug. 1, 1921.

Ser. No. 213,810. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed Apr. 25, 1925.

DMELCOS

Particular description of goods.—Vaccine for the Treatment of Chancre.

Claims use since Feb. 17, 1925.

Ser. No. 213,658. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CLAYTON MARK & COMPANY, Chicago, Ill. Filed May 1, 1925.

EXCEL

Particular description of goods.—Cup Leathers for Well Valves.

Claims use since Feb. 5, 1925.

Ser. No. 213,814. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TOWNLEY METAL AND HARDWARE COMPANY, Kansas City, Mo. Filed May 4, 1925.

AZTEC SILVOR

No claim is made to the word "Silvor" apart from the mark as shown in the drawing.

Particular description of goods.—Knives, Forks, and Spoons for Tableware, Made of Base Metal.

Claims use since Jan. 1, 1915.

Ser. No. 214,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 14, 1925.

niptal

Particular description of goods.—Hyposulfite of Soda.

Claims use since Jan. 8, 1925.

Ser. No. 214,330. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 14, 1925.

STOXAL

Particular description of goods.—Larvicide Powder With a Base of Trioxymethylene.

Claims use since Jan. 8, 1925.

Ser. No. 214,331. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 14, 1925.

SULTOL

Particular description of goods.—Chemically-Pure Hyposulfite of Soda.

Claims use since Jan. 8, 1925.

Ser. No. 214,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ST. PAUL MILLING CO., St. Paul, Minn. Filed May 20, 1925.

The words "Saint Paul Milling Co." and "Patent Flour" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour.

Claims use since Mar. 1, 1917.

Ser. No. 215,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN GEORGE WINCHELL, Chicago, Ill. Filed May 29, 1925.

No claim is made to the following words: "Winchell's 25¢ Package Luncheonette" or "Quality Food" apart from the mark as shown.

Particular description of goods.—Prepared Luncheons Comprising Meat, Vegetables, and Cheese Sandwiches, Cakes and Pastries, and Fruits and Vegetables.

Claims use since May 1, 1925.

Ser. No. 216,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. EDWIN GHEENS, doing business as Bradas & Gheens, Louisville, Ky. Filed June 22, 1925.

MOTHER'S

STICK CANDY

No claim is made to the words "Stick Candy" apart from the mark as shown.

Particular description of goods.—Stick Candy.

Claims use since 1900.

Ser. No. 216,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD MEDAL CREAMERY CO., Long Beach, Calif. Filed June 22, 1925.

CALIFORNIA SUNSHINE

The geographical word "California" is disclaimed apart from the mark as shown.

Particular description of goods.—Salad Dressing—Namely, Thousand Island Salad Dressing and Mayonnaise Salad Dressing.

Claims use since Mar. 2, 1925.

Ser. No. 216,209. (CLASS 39. CLOTHING.) OREGON CITY MANUFACTURING COMPANY, Oregon City, Oreg. Filed June 22, 1925.

Land o'wool

No claim is made to the exclusive use of the descriptive term "wool" apart from the mark as shown.

Particular description of goods.—Men's Dress and Work Shirts, Overcoats, Mackinaws, and Suits.

Claims use since Apr. 3, 1925.

Ser. No. 216,518. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed June 27, 1925.

Butterfly Dresses

The word "Dresses" does not form a part of the registration sought apart from the mark shown on the drawing.

Particular description of goods.—Misses' Dresses.

Claims use since May 15, 1922.

Ser. No. 217,588. (CLASS 39. CLOTHING.) S. A. SHERWIN CO. INC., New York, N. Y. Filed July 18, 1925.

Blossom

Particular description of goods.—Negligee Shirts.

Claims use since Apr. 1, 1924.

Ser. No. 217,661. (CLASS 12. CONSTRUCTION MATERIALS.) CRESCENT REFRACTORIES COMPANY, Curwensville, Pa. Filed July 21, 1925.

MOULDING
3-33
HIGH REFRACTORY MORTAR
HOT SET

No claim is made to the words "Moulding High Refractory Mortar Hot Set" apart from the mark shown.

Particular description of goods.—High-Temperature Cement.

Claims use since February, 1924.

Ser. No. 217,662. (CLASS 12. CONSTRUCTION MATERIALS.) CRESCENT REFRACTORIES COMPANY, Curwensville, Pa. Filed July 21, 1925.

MOULDING
4-44
HIGH TEMPERATURE CEMENT
COLD SET

No claim is made to the words "Moulding High Temperature Cement Cold Set" apart from the mark shown.

Particular description of goods.—High-Temperature Cement.

Claims use since February, 1924.

Ser. No. 217,663. (CLASS 12. CONSTRUCTION MATERIALS.) CRESCENT REFRACTORIES COMPANY, Curwensville, Pa. Filed July 21, 1925.

MOULDING
7-11
FURNACE REPAIR

No claim is made to the words "Moulding Furnace Repair" apart from the mark shown.

Particular description of goods.—Plastic Fire-Brick Material.

Claims use since February, 1924.

Ser. No. 217,666. (CLASS 12. CONSTRUCTION MATERIALS.) CRESCENT REFRACTORIES COMPANY, Curwensville, Pa. Filed July 21, 1925.

HIGH TEMPERATURE CEMENT
"HOT SET"
№ 102

No claim is made to the words "High Temperature Cement Hot Set" apart from the mark shown.

Particular description of goods.—High-Temperature Cement.

Claims use since February, 1924.

Ser. No. 217,667. (CLASS 12. CONSTRUCTION MATERIALS.) CRESCENT REFRACTORIES COMPANY, Curwensville, Pa. Filed July 21, 1925.

HIGH TEMPERATURE CEMENT
"COLD SET"
№ 103

No claim is made to the words "High Temperature Cement Cold Set" apart from the mark shown.

Particular description of goods.—High-Temperature Cement.

Claims use since February, 1924.

Ser. No. 218,135. (CLASS 15. OILS AND GREASES.) THE OKLAHOMA OIL MARKETERS, INC., Enid, Okla. Filed July 30, 1925.

Exclusive use of the words "Good the World Over" and "Climatic" is not claimed in this registration except in association with the other features of the mark.

Particular description of goods.—Lubricating Oils and Greases and Gasoline.

Claims use since Apr. 1, 1925.

Ser. No. 218,605. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CATERPILLAR TRACTOR CO., Stockton and San Leandro, Calif. Filed Aug. 10, 1925.

LA CHENILLE

Particular description of goods.—Tractors.

Claims use since Dec. 1, 1921.

Ser. No. 218,785. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ASSOCIATED MANUFACTURERS AUTO FABRIC EQUIPMENT, Muncie, Ind. Filed Aug. 13, 1925.

DIAMOND A

Particular description of goods.—Automobile Artificial-Leather Fabrics Used in Upholstered Top and Other Coverings.

Claims use since June, 1925.

Ser. No. 219,331. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Aug. 25, 1925.

SILVERLAINE

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about Mar. 1, 1925.

Ser. No. 219,425. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HAHNE & COMPANY, Newark, N. J. Filed Aug. 27, 1925.

DYNEX

Particular description of goods.—Radio Receiving Sets, Radio Vacuum Tubes, Radio A Batteries, Radio B Batteries.
Claims use since July 22, 1925.

Ser. No. 219,686. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y. Filed Sept. 2, 1925.

POLLY PORTABLE

The word "Portable" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Musical Instruments and Supplies, Specifically Phonographs and Parts Thereof.
Claims use since Aug. 12, 1925.

Ser. No. 219,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL L. WEINSTOCK, Philadelphia, Pa. Filed Sept. 2, 1925.

S. L. W.

Particular description of goods.—Cough and Cold Mixtures.
Claims use since Aug. 1, 1925.

Ser. No. 219,910. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE QUEEN CITY BOTTLING COMPANY, Cincinnati, Ohio. Filed Sept. 5, 1925.

vim

Particular description of goods.—Ginger Ale.
Claims use since Jan. 15, 1910.

Ser. No. 219,997. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SO-ME-ON CORPORATION, New York, N. Y. Filed Sept. 8, 1925.

No registration rights are claimed for the word "Hollander's," and applicant waives none of its common-law rights in said mark or any feature thereof. No registration rights are claimed for the words "So-Me-Ons" and "Glu-Me-Ons," and applicant waives none of its common-law rights in said mark or any feature thereof.
Particular description of goods.—Motifs or Medallions.
Claims use since Aug. 12, 1925.

Ser. No. 220,089. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) T. J. RONAN CO. INC., Brooklyn, N. Y. Filed Sept. 10, 1925.

RONAN

No claim is made to the name "Ronan" apart from the other features of the mark.
Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since Jan. 13, 1920.

Ser. No. 220,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL ARENT HEILMANN, Skelskør, Denmark. Filed Sept. 14, 1925.

Emulite

Particular description of goods.—Fluid for Spraying or Washing Over Plants of Any Kind for Exterminating Insects, Larvæ, Eggs, Pupæ, Fungi, and Mosses.
Claims use since May 16, 1925.

Ser. No. 220,331. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN ROAD MACHINERY COMPANY, INC., Kennett Square, Pa. Filed Sept. 17, 1925.

CLIMAX

Particular description of goods.—Road-Grading Machines, Rock Crushers, Elevators, Conveyers, Screens, and Stone Bins.
Claims use since on or about Jan. 1, 1888.

Ser. No. 220,408. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM A. JACKSON, Baltimore, Md. Filed Sept. 18, 1925.

KLEAR SITE

Particular description of goods.—Liquid Compound for Use in Cleaning and to Prevent Fogging of Glass Surfaces.
Claims use since July 1, 1925.

Ser. No. 220,421. (CLASS 37. PAPER AND STATIONERY.) RELIANCE PAPER & TWINE MILLS, New York, N. Y. Filed Sept. 18, 1925.

RELPAK KRAFT
A REAL WRAPPER

The words "Kraft" and "A Real Wrapper" are disclaimed apart from the mark shown.
Particular description of goods.—Wrapping Paper.
Claims use since Jan. 1, 1923.

Ser. No. 220,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. O. W. PIERCE COMPANY, Lafayette, Ind. Filed Sept. 25, 1925.

PECO

Particular description of goods.—Coffee.
Claims use since 1918.

Ser. No. 222,119. (CLASS 46. FOODS AND INGREDICINES, AND PHARMACEUTICAL PREPARATIONS.) OR-BLOS COMPANY, Jacksonville, Fla. Filed Oct. 9, 1925.

Flower of Youth

Particular description of goods.—Toilet water, Perfume, Face Powder, and Talcum Powder.
Claims use since Mar. 1, 1925.

Ser. No. 221,757. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Oct. 15, 1925. Under ten-year proviso.

SCOTCH

Particular description of goods.—Wool Oils.
Claims use since about Sept. 6, 1876.

Ser. No. 221,964. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., Louisville, Ky. Filed Oct. 19, 1925.

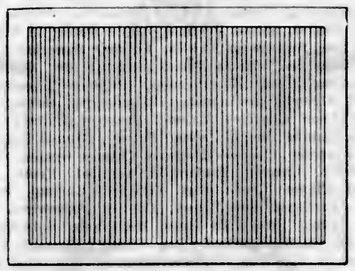
The representation of a golf club is disclaimed apart from the mark.
Particular description of goods.—Sporting Goods—Namely, Golf Clubs, Both Wooden and Iron, and Golf Balls.
Claims use since August, 1925.

Ser. No. 221,965. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., Louisville, Ky. Filed Oct. 19, 1925.

LO-SKORE

Particular description of goods.—Sporting Goods—Namely, Golf Clubs, Both Wooden and Iron, and Golf Balls.
Claims use since August, 1925.

Ser. No. 222,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEIT MILLER LAU CO., Fort Wayne, Ind. Filed Oct. 22, 1925.



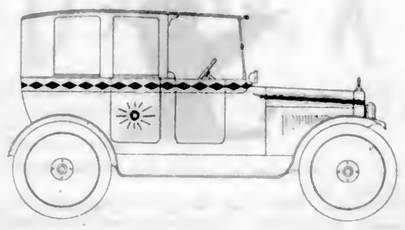
The mark consists of a lavender rectangle having a white border. The drawing is lined for lavender.
Particular description of goods.—Candy.
Claims use since Sept. 8, 1925.

Ser. No. 222,403. (CLASS 11. INKS AND INKING MATERIALS.) RAPID ADDRESSING MACHINE COMPANY, New York, N. Y. Filed Oct. 27, 1925. Under ten-year proviso.

BELKNAP

Particular description of goods.—Ink for Stencil Addressing Machines.
Claims use since 1885.

Ser. No. 222,459. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ILLINOIS DIAMOND CAB COMPANY, Chicago, Ill. Filed Oct. 28, 1925.



No claim is made to the representation of the automobile apart from the mark as shown.
Particular description of goods.—Automobiles, Including Taxicabs.
Claims use since Oct. 9, 1925.

Ser. No. 222,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WADHAMS & KERR BROTHERS, Portland, Oreg. Filed Oct. 30, 1925.

MONOPOLE

Particular description of goods.—Coffee, Tea, Spices, Food-Flavoring Extracts, Fruit Preserves, Jellies, Jams, Peanut Butter, Salted Peanuts, Apple Butter in Tins and Pails, Honey, Olives, Pickles, Canned Sauerkraut, Prepared Mustard, Table Sirup, Marmalade, Garnishing Cherries, Canned Blackberries, Canned Loganberries, Canned Strawberries, Canned Raspberries, Canned Apricots, Canned Cherries, Canned Peaches, Canned Gooseberries, Canned Plums, Canned Prunes, Canned Pears, and Canned Apples, Canned Rhubarb, Canned Grapes, Canned Grapefruit, Canned Pineapple, Canned Fruit Salad, Canned Clams, Crab Meat, Oysters, Shrimp, Salmon, Tunny, Sardines, and Soups; Canned Asparagus, Beets, Beans, Peas, Sweet Potatoes, Tomatoes, Spinach, and Vegetable Salad; Canned Okra, Canned Hominy, Canned Mushrooms, Catchup, Vinegar, Tinned Pimientos, Chocolate, Cocoa, Mincemeat, Evaporated or Dried Fruits, Raisins, Breakfast Cereals, Rice, Dried Pop Corn, Pearl Barley, Tapioca, Dried Lentils and Dried Peas and Beans, Macaroni, Birdseed, and Candied Fruit Peel and Citron.
Claims use since Oct. 1, 1898.

Ser. No. 222,785. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DE GRAUW, AYMAR & COMPANY, New York, N. Y. Filed Nov. 4, 1925.

Star ★

Particular description of goods.—Flags and Banners.
Claims use since July, 1924.

Ser. No. 222,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY CITY MILLING COMPANY, Bay City, Mich. Filed Nov. 5, 1925.

·AIRLINE·

Particular description of goods.—Coffee.
Claims use since Feb. 1, 1924.

Ser. No. 222,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WISHNICK-TUMPEER CHEMICAL CO., INC., Chicago, Ill. Filed Nov. 6, 1925.

WITCO

Particular description of goods.—Chemicals—Namely, Acetone; Alcohol, Denatured and Wood; Alums, Antimony, Arsenic, Astrolith, Barium Compounds, Benzole, Bleaches, Blanc Fixe, Borax, Carbon Tetrachloride, Copperas, Dithenylguanidine, Ferric Oxide, Formaldehyde, Gilsonite, Glauber Salts, Iron Chloride, Iron Oxide, Kaolin, Lead Oleate, Lead Red, Magnesia Carbonate, Magnesia Chloride, Magnesite, Manganese Oxide, Nickel Salts, Nitrobenzol, Caustic Potash and Carbonate of Potash, Pyridine, Sienna, Soapbark, Sodium Carbonate, Soda Acetate, Soda Bicarbonate, Soda Bichromate, Soda Chlorate, Soda Flouride, Soda Sulphide, Sulphur, Soda Nitrate, Soda Nitrite, Soda Silicate, Triphenguanidine, Zinc Oxides.
Claims use since May 13, 1925.

Ser. No. 223,016. (CLASS 37. PAPER AND STATIONERY.) ALFRED GEORGE BLUNDEN, London, England. Filed Nov. 9, 1925.

ALL-IN-ONE

Particular description of goods.—Account Books.
Claims use since July 13, 1920.

Ser. No. 223,060. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HARRY DUNDONALD THURGAR, London, England. Filed Nov. 9, 1925.

DUCHESSE

Particular description of goods.—Hair Combs and Hair Slides Not Made of Precious Metal and Hair Curlers and Wavers (not Electrical).
Claims use since Oct. 27, 1924.

Ser. No. 223,089. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. T. GRANT COMPANY, New York, N. Y. Filed Nov. 10, 1925.

King Cotton

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 223,389. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KAY BEE MFG. CO., Los Angeles, Calif. Filed Nov. 16, 1925.

COMET

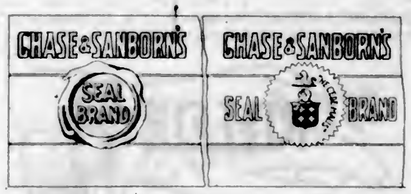
Particular description of goods.—Electrically-Illuminated Automobile Lamps.
Claims use since November, 1922.

Ser. No. 223,448. (CLASS 37. PAPER AND STATIONERY.) MORRIS PILTZER, doing business as Quality Pad and Novelty Company, Los Angeles, Calif. Filed Nov. 17, 1925.

QUALITON

Particular description of goods.—Paper and Stationery, Desk Pads, Desk Files, and Flat Desk Memorandum Files, and Combined Desk Pads and Files.
Claims use since Nov. 10, 1925.

Ser. No. 223,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE & SANBORN, Boston, Mass. Filed Nov. 18, 1925. Under 10-year proviso.



The representation of the seals are printed in red, the ribbon printed in blue on an olive-green background. None of the lines on the drawing indicate color.
Particular description of goods.—Coffee and Tea.
Claims use since Feb. 1, 1888, on coffee; since March, 1892, on tea.

Ser. No. 223,570. (CLASS 38. PRINTS AND PUBLICATIONS.) BABSON'S STATISTICAL ORGANIZATION, INCORPORATED, Wellesley, Mass. Filed Nov. 20, 1925.

BABSONCHART

No claim is made to the words "Babson" or "Chart" independently as a trade-mark.
Particular description of goods.—Financial and Business Service Bulletins and Supplements Published From Time to Time.
Claims use since on or about Aug. 15, 1925.

Ser. No. 223,696. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Nov. 23, 1925.

All printed words shown on the drawing are disclaimed apart from the mark appearing on the drawing. The signature "Egon Braun's" is a facsimile of the signature of Mr. Egon Braun, one of the original members of the corporation.
Particular description of goods.—Brandies, Liquors, Punches, Alcoholic Essences, and Extracts for Making Alcoholic Beverages.
Claims use since 1917.

Ser. No. 223,745. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ROSICRUCIAN FELLOWSHIP, Oceanside, Calif. Filed Nov. 23, 1925.

Particular description of goods.—Monthly Magazine and Printed Books.
Claims use since October, 1909.

Ser. No. 223,843. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Nov. 25, 1925.

No claim is made to the exclusive right to the use of the words "Product of General Motors" independent of and apart from the mark shown in the drawing, the ground of the panel upon which the word "Oakland" appears being lined to indicate the color blue, as that part of the mark is colored blue in the trade-mark as actually used.

Particular description of goods.—Automobiles.

Claims use since July 1, 1925.

Ser. No. 223,913. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GRIFFITHS & FREESE, Paris, Tex. Filed Nov. 27, 1925.

Bee Bee

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.

Claims use since Jan. 1, 1902.

Ser. No. 223,969. (CLASS 32. FURNITURE AND UPHOLSTERY.) MONTAUCK METALLIC BED CO., INC., Brooklyn, N. Y. Filed Nov. 28, 1925.

All wording appearing in the mark are disclaimed. The drawing is lined with colored lining indicating the colors red and blue.

Particular description of goods.—Bedsteads.

Claims use since about Aug. 15, 1922.

Ser. No. 224,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. GRACE, Los Angeles, Calif. Filed Dec. 9, 1925.

RAPHU

Particular description of goods.—Medicines for External and Internal Use in the Form of Liquids, Tablets, and Ointments for the Treatment of Cancer and Other Malignant Growths of the Body.

Claims use since Jan. 2, 1910.

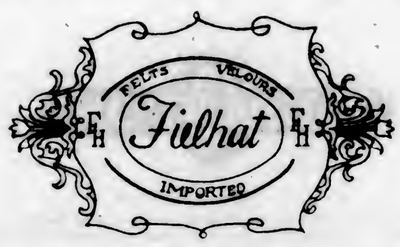
Ser. No. 224,697. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DURANT MOTOR COMPANY OF NEW JERSEY, Elizabeth, N. J. Filed Dec. 15, 1925.

No claim is made to the words "Durant Motors" apart from the mark as shown in the drawing.

Particular description of goods.—Automobiles and Constructive Parts Thereof.

Claims use since Oct. 10, 1925.

Ser. No. 224,699. (CLASS 39. CLOTHING.) FIELDSTON TRADING CORPORATION, New York, N. Y. Filed Dec. 15, 1925.



No claim is made to the exclusive use of the words "Hat", "Felts", "Velours", and "Imported" apart from the mark shown on the drawing.

Particular description of goods.—Ladies' Hats.

Claims use since about Nov. 1, 1925.

Ser. No. 224,771. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. & B. LEDERER CO., Providence, R. I. Filed Dec. 16, 1925.

The representation of the goods is disclaimed apart from the mark as shown.

Particular description of goods.—Complete Watch Bracelets.

Claims use since January, 1920.

Ser. No. 224,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVIS-JOHNSON CO., Chicago, Ill. Filed Dec. 18, 1925.

Sulcitacium

Particular description of goods.—Medicinal Compound, Particularly a Remineralized Nontoxic Product for Treatment of the Blood.

Claims use since June 18, 1925.

Ser. No. 224,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. W. HAMPSHIRE & CO. LTD., Derby, England. Filed Dec. 19, 1925.

SNOWFIRE

Particular description of goods.—Talcum Powder, Face Powder, Face Cream, Ointments for Use on the Skin, and Skin Lotions.

Claims use since Jan. 9, 1920.

Ser. No. 224,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERTRUDE M. TRASK, Dorchester, Mass. Filed Dec. 19, 1925.

TRASK'S GOLD T

No claim is made to the word "Trask's" apart from the mark as shown in the drawing.

Particular description of goods.—Russian Relish Which is Composed of Mayonnaise and Chopped Vegetables.

Claims use since Dec. 9, 1925.

Ser. No. 224,992. (CLASS 39. CLOTHING.) SCHMUCKLER, SON & DAVIDSON, Philadelphia, Pa. Filed Dec. 21, 1925.

London

No claim is made to the word "London" apart from the mark shown on the drawing.

Particular description of goods.—Dress, Negligee, and Work Shirts.

Claims use since February, 1915.

Ser. No. 225,015. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INDEX-WERKE HAHN & KOLB, Esslingen-on-the-Neckar, Germany. Filed Dec. 22, 1925.

Particular description of goods.—Machines, Particularly Tool-Making Machines, Automatic Revolving Lathes, Automatic Revolving Screw Lathes, Grinding Machines, and Straightening Machines.

Claims use since Mar. 1, 1925.

Ser. No. 225,120. (CLASS 12. CONSTRUCTION MATERIALS.) KASPAR WINKLER & CO., Altstetten, near Zurich, Switzerland. Filed Dec. 24, 1925.

Sika

Particular description of goods.—Waterproofing and Hardening Composition and Means for Mortar and Beton and Concrete.

Claims use since 1910.

Ser. No. 225,140. (CLASS 39. CLOTHING.) SANDERS, TESSERS, & LIEBERMAN, New York, N. Y. Filed Dec. 24, 1925.

Particular description of goods.—Men's Suits, Including Outer Coats, Vests, Trousers, Topcoats, and Overcoats.

Claims use since Jan. 2, 1925.

Ser. No. 225,143. (CLASS 37. PAPER AND STATIONERY.) SEAMAN PAPER COMPANY, Chicago, Ill. Filed Dec. 24, 1925.

No claim is made as to exclusive right to the words "Flexible Enamel" or either of them, or to the words "Seaman Paper Company" forming part of said mark except as in association with the mark as shown.

Particular description of goods.—Enamel Book Paper.

Claims use since about Nov. 1, 1924.

Ser. No. 225,144. (CLASS 37. PAPER AND STATIONERY.) SEAMAN PAPER COMPANY, Chicago, Ill. Filed Dec. 24, 1925.

No claim is made as to the exclusive right to the words "Better Printing Papers" or either of them or to the words "Seaman Paper Company" forming part of said trade-mark except as in association with the mark as shown.

Particular description of goods.—Printing Paper.

Claims use since about Nov. 1, 1924.

Ser. No. 225,224. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany. Filed Dec. 28, 1925.

The word "Trade-Mark" appearing on the drawing is disclaimed apart from the other features of the mark as shown.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, Essences for Making the Same, and Mineral Water.

Claims use since 1885.

Ser. No. 225,241. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 28, 1925

PENSAL CLEANS ALL

No claim is made for the words "Cleans All" apart from the mark shown.

Particular description of goods.—General Cleansing Preparation with Water-Softening Properties.

Claims use since Oct. 7, 1924.

Ser. No. 225,309. (CLASS 39. CLOTHING.) LOUIS STRAUSS & SON, New York, N. Y. Filed Dec. 30, 1925.

No claim is made to the exclusive use of the words "Strauss Service" apart from the mark shown on the drawing.

Particular description of goods.—Misses' and Ladies' Hats.

Claims use since about July, 1925.

Ser. No. 225,407. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FORT DODGE BOTTLING WORKS, Fort Dodge, Iowa. Filed Jan. 2, 1926.

The words "Has That Sour Wine Flavor" is disclaimed apart from the other features of the mark.

Particular description of goods.—Nonalcohol, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.

Claims use since Feb. 5, 1920.

Ser. No. 225,486. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) F. E. OLDS & SON, INC., Los Angeles, Calif. Filed Jan. 4, 1926.

Particular description of goods.—Musical Instruments—Namely, Trombones.

Claims use since 1920.

Ser. No. 225,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMER CANDY CO., Sioux City, Iowa. Filed Jan. 5, 1926.

Aunt Ellen's

Particular description of goods.—Candy.

Claims use since Oct. 15, 1925.

Ser. No. 225,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. ANNA KYETT, Cambridge, Mass. Filed Jan. 8, 1926.

No claim is made to the words "For the Hair" apart from the mark shown.

Particular description of goods.—Hair Restorer.

Claims use since Dec. 29, 1923.

Ser. No. 225,698. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LIVE LONG TOYS, Chicago, Ill. Filed Jan. 9, 1926.

"RED" GRANGE

Consent given.

Particular description of goods.—Dolls and Footballs.

Claims use since Dec. 5, 1925.

Ser. No. 225,764. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BRISTOL SEAMLESS RING COMPANY, New York, N. Y. Filed Jan. 11, 1926.

Applicant disclaims the use of the phrase 18k apart from the mark shown.

Particular description of goods.—Finger Rings.

Claims use since March, 1923.

Ser. No. 225,797. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed Jan. 11, 1926.

Applicant disclaims the word "Line" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Folding Ironing Tables and Washboards.

Claims use since Sept. 1, 1925.

Ser. No. 225,831. (CLASS 47. WINES.) PEDRO GERARDO MARISTANY, Barcelona, Spain. Filed Jan. 12, 1926. Under ten-year proviso.

Particular description of goods.—Wines.

Claims use since January, 1891.

Ser. No. 225,888. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POSTER & CO., INC., New York, N. Y. Filed Jan. 13, 1926.

POSTER'S PERFECT PRODUCTS

PPP

New York

No claim is made to the wording "Poster's Perfect Products" and "New York" apart from the mark as shown on the accompanying drawing.

Particular description of goods.—Radiopanels.

Claims use since 1922.

Ser. No. 225,890. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) I. F. SCHNIER, doing business as I. F. Schnier Co., San Francisco, Calif. Filed Jan. 13, 1926.

HANDIPAK

Particular description of goods.—Corks.

Claims use since Dec. 16, 1925.

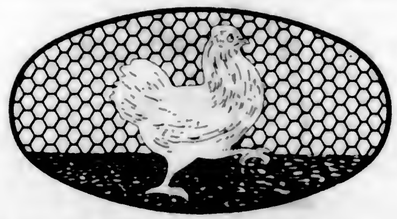
Ser. No. 225,923. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HYNES & COX ELECTRIC CORPORATION, Albany, N. Y. Filed Jan. 14, 1926.

RED CROWN

Particular description of goods.—Gluepots.

Claims use since June 1, 1925.

Ser. No. 225,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y. Filed Jan. 14, 1926.



Particular description of goods.—Poultry Food.

Claims use since October, 1924.

Ser. No. 225,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEF MAYER, Karlsbad, Czechoslovakia. Filed Jan. 14, 1926.

„ Mayco "

Particular description of goods.—Hair Wash.

Claims use since Dec. 1, 1924.

Ser. No. 225,933. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEF MAYER, Karlsbad, Czechoslovakia. Filed Jan. 14, 1926.

„ Realistic "

Particular description of goods.—Hair Wash.

Claims use since Dec. 1, 1924.

Ser. No. 226,006. (CLASS 12. CONSTRUCTION MATERIALS.) KERLOW STEEL FLOORING COMPANY, Jersey City, N. J. Filed Jan. 16, 1926.

RAPID-TRANSIT

Particular description of goods.—Steel Flooring, Ventilator Gratings, Grids, and Grilles.

Claims use since Dec. 9, 1925.

Ser. No. 226,032. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed Jan. 6, 1926.

Williams

Particular description of goods.—Shaving Soap, Toilet Soap, Shaving Cream in the Nature of Soap for Shaving Purposes, Shaving Powder in the Nature of Soap for Shaving Purposes, and Shaving Stick.

Claims use since 1840 as to shaving soap; May, 1892, as to toilet soap; since early part of December, 1887, as to shaving cream; about July, 1910, as to shaving powder; about August, 1885, as to shaving stick.

Ser. No. 226,085. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SUPERIOR ENGINEERING COMPANY, Chicago, Ill. Filed Jan. 18, 1926.

THE SUPERIOR OIL BURNER

Exclusive use to the words "The" and "Oil Burner" and "Superior" is disclaimed except as such words appear in association with the rest of the mark.

Particular description of goods.—Oil Burners and Parts Thereof.

Claims use since on or about Jan. 1, 1924.

Ser. No. 226,137. (CLASS 2. RECEPTACLES.) PERCY GRAY, Jefferson, Iowa. Filed Jan. 20, 1926.

THERMOGRAY

Particular description of goods.—Hot-Water-Supply Tanks for Attaching to Heating Systems for Household Use.

Claims use since Jan. 9, 1926.

Ser. No. 226,154. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PERCY W. MOODY, doing business as P. W. Moody Co., Boston, Mass. Filed Jan. 20, 1926.

Lin-N-down

Particular description of goods.—Linen Batting.

Claims use since Jan. 14, 1926.

Ser. No. 226,215. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TARENTUM PAPER MILLS COMPANY, Tarentum, Pa. Filed Jan. 21, 1926.

TARENTUM PAPERMILLS

INSCELLA PAPER

INSULATES

The words "Paper" and "Insulates" and the representation of a cross section of a cable are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Insulating Paper for Use in Insulating Electric Conductors.

Claims use since Dec. 24, 1925.

Ser. No. 226,224. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BIRMINGHAM STOVE & RANGE CO., Birmingham, Ala. Filed Jan. 22, 1926.

Red Mountain

Particular description of goods.—Wood, Coal, Oil or Gas Stoves and Ranges.

Claims use since Jan. 1, 1922.

Ser. No. 226,257. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROCHESTER LABORATORIES, INC., Rochester, Minn. Filed Jan. 22, 1926.

Particular description of goods.—Lemon Cleansing Cream, Beauty Cream, Tissue Cream, Massage Cream, Bleach Cream, Cold Cream, Vanishing Cream, Radium

Beautifier Cream, Almond Rose Lotion, Skin-Toning Lotion, Astringent Lotion, Liquid Face-Cleansing Lotion, Cream of Fresh Lemon Lotion, Toilet Waters, Perfume, Clay Packs, Scalp-Toning Tonic, Coconut-Oil Shampoo, Brilliantines, Deodorants, Face Powder, Body Powder, Talcum Powder, Bath Powder, Bath Crystals, Powder Packs, Rouge Packs, Cream Rouge, Liquid Rouge, Lip Sticks, and Bath Salts.

Claims use since August, 1925.

Ser. No. 226,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHELBY GUM COMPANY, Shelby, Ohio. Filed Jan. 22, 1926.

Particular description of goods.—Chewing Gum.
Claims use since Aug. 25, 1924.

Ser. No. 226,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH OLIVER, Detroit, Mich. Filed Jan. 23, 1926.

The words "For the Treatment of Acne, Boils, Carbuncles, Styes, etc." appearing on the drawing are disclaimed.

Particular description of goods.—Pharmaceutical Product for Treatment of Staphylococcus.
Claims use since Dec. 1, 1925.

Ser. No. 226,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE E. EARL, Fairmount, Mo. Filed Jan. 25, 1926.

The words "Nome" and "Water" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Antifreezing Solution for Automobile Radiators.
Claims use since Jan. 2, 1926.

Ser. No. 226,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SHERMAN & SONS CO., New York, N. Y. Filed Jan. 26, 1926.

IMPERIAL

Particular description of goods.—Long Cloth and Nainsook in the Piece.
Claims use since 1892.

Ser. No. 226,479. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Jan. 27, 1926.

WHIZ

Particular description of goods.—Leather and Rubber Boots and Shoes.
Claims use since about Jan. 2, 1926.

Ser. No. 226,493. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LOUIS LIPPI, Bell, Calif. Filed Jan. 27, 1926.

Padre de Jerome
P. J.
The Silent Healer

Particular description of goods.—Salves for Abscesses, Burns, Boils, Bed Sores, Bites, Barbers' Itch, Blood Clots, Blood Poison, Chilblains, Carbuncles, Felons, Hives, Itch, Nose Bleeding, Poison Oak, Ulcers, and Ointment for Asthma, Bronchitis, Catarrh, Piles, Eczema, Corns and Calli, Goiter, Sunburn, Cancer, and Pimples.
Claims use since 1905 to 1918, then since Jan. 1, 1926.

Ser. No. 226,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. LYNCH, Los Angeles, Calif. Filed Jan. 27, 1926.

POLAR EGG

Particular description of goods.—Confections Comprising Ice Cream Inclosed in a Casing.
Claims use since May 1, 1925.

Ser. No. 226,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY PRODUCE CORPORATION, Los Angeles, Calif. Filed Jan. 27, 1926.

BARBARA

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish.
Claims use since July 1, 1925.

Ser. No. 226,512. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) E. RICHWINE COMPANY, Chicago, Ill. Filed Jan. 27, 1926.

CORODITE

Particular description of goods.—Semiprecious Stones.
Claims use since October, 1920.

Ser. No. 226,637. (CLASS 39. CLOTHING.) COLUMBIA KNITTING MILLS, Portland, Oreg. Filed Jan. 30, 1926.

Jaunties

Particular description of goods.—Woolen Spats.
Claims use since Jan. 14, 1926.

Ser. No. 226,638. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. J. CROWLEY, doing business as Ben-Glo Mfg. Company, Pittsburgh, Pa. Filed Jan. 30, 1926.

BEN-GLO

Particular description of goods.—Skin Lotion.
Claims use since July 1, 1920.

Ser. No. 226,642. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FISKE SEED COMPANY, also doing business as Fottler, Fiske, Rawson Co., Boston, Mass. Filed Jan. 30, 1926.

FRANKLIN PARK

Particular description of goods.—Lawn-Grass Seed.
Claims use since Feb. 9, 1895.

Ser. No. 226,680. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POWEROLA RADIO CORPORATION, New York, N. Y. Filed Jan. 30, 1926.

POWEROLA

Particular description of goods.—Radio Receiving Sets and Parts Thereof and Battery-Eliminating Devices for Use in Radio, Telephone, Telegraph, and Power Transmission.
Claims use since Apr. 10, 1925.

Ser. No. 226,706. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AUTOPIANO COMPANY, New York, N. Y. Filed Feb. 1, 1926.

Artistone.

Particular description of goods.—Pianos, Player Pianos, Player Actions, and Parts Thereof.
Claims use since 1910.

Ser. No. 226,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITY MILLS COMPANY, Columbus, Ga. Filed Feb. 1, 1926.

Particular description of goods.—Wheat Flour.
Claims use since Jan. 1, 1925.

Ser. No. 226,752. (CLASS 37. PAPER AND STATIONERY.) WALLACE PENCIL COMPANY, St. Louis, Mo. Filed Feb. 1, 1926.

Motif

Particular description of goods.—Pencils, Penholders, Erasers, and Crayons.
Claims use since Dec. 15, 1925.

Ser. No. 226,753. (CLASS 37. PAPER AND STATIONERY.) WALLACE PENCIL CO., St. Louis County, Mo. Filed Feb. 1, 1926.

Particular description of goods.—Pencils, Penholders, Erasers, and Crayons.
Claims use since Dec. 15, 1925.

Ser. No. 226,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Feb. 1, 1926.

The corporate name "Washburn Crosby Company" and the word "Flour" are disclaimed apart from the mark shown.
Particular description of goods.—Wheat Flour.
Claims use since Jan. 9, 1926.

Ser. No. 226,875. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. BARON & CO., INC., New York, N. Y. Filed Feb. 5, 1926.

VIM

"Vim."
Particular description of goods.—Fountain Sirups for Still or Carbonated Water Beverages.
Claims use since Jan. 6, 1920.

Ser. No. 226,941. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS BULLAS, Minneapolis, Minn. Filed Feb. 6, 1926.

BOB WHITE

Particular description of goods.—Liquid Cleaner for Shoes, Gloves, Belts, and Hats.
Claims use since Apr. 1, 1921.

Ser. No. 226,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHN C. GROUB COMPANY, Seymour, Connersville, and Mitchell, Ind. Filed Feb. 6, 1926.

GROUB'S BELLE

"Groub's Belle."
Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Shellfish, Mincemeat, Table Sirups, Canned Soups, Catchup, Evaporated Milk, Coffee, Spices, Breakfast Cereals, and Alimentary Pastes.
Claims use since Oct. 1, 1898.

Ser. No. 226,993. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) YOKELSON-COOPER, INC., New York, N. Y. Filed Feb. 6, 1926.

Eureka

The lining in the drawing does not denote color.
Particular description of goods.—Imitation Emeralds.
Claims use since Jan. 29, 1926.

Ser. No. 227,003. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CONSOLIDATED PUMP CO., Toledo, Ohio. Filed Feb. 8, 1926.

Exclusive right to the use of the word "Ladder" is disclaimed.
Particular description of goods.—Ladders.
Claims use since Dec. 15, 1919.

Ser. No. 227,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOKALON CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 8, 1926.

MEHL'S MURIFIED

Exclusive right to the use of the word "Mehl's" alone is disclaimed.
Particular description of goods.—Witch-Hazel Water for the Eyes.
Claims use since Feb. 1, 1926.

Ser. No. 227,058. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Feb. 9, 1926.

FORTY-FOUR HUNDRED

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since July, 1908.

Ser. No. 227,069. (CLASS 17. TOBACCO PRODUCTS.) GOLDLEAF TOBACCO IMPORTING CO. INC., New York, N. Y. Filed Feb. 9, 1926.

DILBEAR

Particular description of goods.—Cigarettes.
Claims use since Jan. 4, 1926.

Ser. No. 227,078. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN R. B. MARTIN, Gap, Pa. Filed Feb. 9, 1926.

KAUFFMAN'S EGG DYES

No claim is made for the exclusive use of the words "Kauffman's Egg Dyes" apart from the other features of the trade-mark.
Particular description of goods.—Egg Dyes.
Claims use since January, 1895.

Ser. No. 227,084. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PHILADELPHIAN, INC., Philadelphia, Pa. Filed Feb. 9, 1926.

The Philadelphian

Particular description of goods.—Monthly Magazine
Claims use since Jan. 1, 1926.

Ser. No. 227,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPILLERS VICTORIA FOODS, LIMITED, London, England. Filed Feb. 9, 1926.

OSOKO

Particular description of goods.—Food for Dogs.
Claims use since January, 1905.

Ser. No. 227,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPILLERS VICTORIA FOODS, LIMITED, London, England. Filed Feb. 9, 1926.

SAVAL

Particular description of goods.—Food for Dogs.
Claims use since January, 1923.

Ser. No. 227,102. (CLASS 39. CLOTHING.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Feb. 10, 1926.

DURA-BILT

Particular description of goods.—Canvas Shoes, Leather Shoes, Felt Shoes, and Rubber Shoes.
Claims use since Jan. 15, 1925.

Ser. No. 227,104. (CLASS 2. RECEPTACLES.) BELL WIRE & METAL GOODS CO., Boston, Mass. Filed Feb. 10, 1926.

VEGETABLE BINET

No claim is made to the word "Vegetable" apart from the mark shown.
Particular description of goods.—Containers made of Metal for Storing Fruit and the Like.
Claims use since May, 1923.

Ser. No. 227,113. (CLASS 38. PRINTS AND PUBLICATIONS.) CURTIS-MARTIN NEWSPAPERS, INC., Philadelphia, Pa. Filed Feb. 10, 1926.

EVENING PUBLIC LEDGER

Particular description of goods.—Title for a Daily Newspaper Publication.
Claims use since Jan. 1, 1926.

Ser. No. 227,153. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LOUIS ABSECK, doing business as The Sealastic Co., Brooklyn, N. Y. Filed Feb. 11, 1926.

No claim is made to the words "Circulation Promotes Health" apart from the other features of the mark.
Particular description of goods.—Bristle Massage Brushes.
Claims use since Feb. 6, 1926.

Ser. No. 227,187. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PURIGO COMPANY, Madison, Wis. Filed Feb. 11, 1926.

PURIGO

Particular description of goods.—Stain Remover in the form of a Vegetable Compound for Removing Ink, Grease, Paint, or Other Stains from Cloth, Wood, Metal, Enamel, Brass, or the Human Skin.
Claims use since about Nov. 16, 1925.

Ser. No. 227,202. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE TABLET & TICKET CO., Chicago, Ill. Filed Feb. 11, 1926.

REALART LETTERS

No claim is made to the word "Letters" apart from the association shown.
Particular description of goods.—Sign Letters.
Claims use since Mar. 16, 1922.

Ser. No. 227,221. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BENJAMIN COHEN, doing business as The Roseben Company, Detroit, Mich. Filed Feb. 12, 1926.

Particular description of goods.—Fur-Cleaning Compound with Incidental Glazing Properties.
Claims use since Jan. 10, 1926.

Ser. No. 227,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FÄKALTORF-STUDIEN G. M. B. H., Dresden, Germany. Filed Feb. 12, 1926.

Sperkit

Particular description of goods.—Mixed Cultures of Cellulose-Decomposing Microbes for the Use of Decomposing Cellulose Matter in Organic Substances Under Treatment of Rotting, Thereby Producing Compost.
Claims use since July, 1924.

Ser. No. 227,263. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Filed Feb. 13, 1926.

SPEE-DEE

Particular description of goods.—Metal Pipe Fittings.
Claims use since Jan. 16, 1926.

Ser. No. 227,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER HAUPT, doing business as White Dove Mills, New Athens, Ill. Filed Feb. 15, 1926.

SILKY SNOW

Particular description of goods.—Wheat Flour.
Claims use since October, 1921.

Ser. No. 227,311. (CLASS 12. CONSTRUCTION MATERIALS.) KOLAMBUGAN LUMBER & DEVELOPMENT CO., Manila, P. I. Filed Feb. 15, 1926.

K.L.D

Particular description of goods.—Lumber, Dressed and Rough.
Claims use since Sept. 1, 1922.

Ser. No. 227,358. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KEL-RICH PRODUCTS COMPANY, INC., Salem, Mass. Filed Feb. 16, 1926.

Sta-Charge

BATTERY COMPOUND

No claim is made to the words "Battery Compound" apart from the mark shown on the drawing.
Particular description of goods.—Battery Compound.
Claims use since Oct. 1, 1925.

Ser. No. 227,377. (CLASS 37. PAPER AND STATIONERY.) WESLEY & WINTER, INC., Newark, N. J. Filed Feb. 16, 1926.

No registration rights are claimed for the word "Vellum" apart from the mark shown.
Particular description of goods.—Writing Paper and Mailing Envelopes.
Claims use since June 10, 1924.

Ser. No. 227,380. (CLASS 37. PAPER AND STATIONERY.) THE WESTERN MERCHANDISE CO., Abilene, Kans. Filed Feb. 16, 1926.

WESCO

Particular description of goods.—Notebooks, Writing Paper of All Kinds, Wrapping Paper for Various Articles of Merchandise, Pens, Pencils, and Erasers.
Claims use since September, 1918.

Ser. No. 227,386. (CLASS 38. PRINTS AND PUBLICATIONS.) AMOS PARRISH & COMPANY, Cleveland, Ohio. Filed Feb. 17, 1926.

SELLOGRAM

Particular description of goods.—Leaflets.
Claims use since Feb. 1, 1925.

Ser. No. 227,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC COAST PRESERVING CORPORATION, Brooklyn, N. Y. Filed Feb. 17, 1926.

KEW GARDEN

Particular description of goods.—Fruit Preserves—Namely, Apricots, Grape, Blackberry, Cherry, Peach, Pineapple, Raspberry, Strawberry Preserves, Crab-Apple and Grape Jelly, and Orange Marmalade.
Claims use since on or about July 15, 1925.

Ser. No. 227,430. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. Filed Feb. 17, 1926.

WISSCO BRONZE

Exclusive use of the word "Bronze" is disclaimed apart from the mark as shown.
Particular description of goods.—Bronze Grilles Used Mainly for Ventilating Purposes.
Claims use since Jan. 26, 1926.

Ser. No. 227,433. (CLASS 38. PRINTS AND PUBLICATIONS.) AMOS PARRISH & COMPANY, Cleveland, Ohio. Filed Feb. 18, 1926.

STORE SELLERS

Particular description of goods.—Booklets.
Claims use since Nov. 1, 1924.

Ser. No. 227,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA AVOCADO GROWERS EXCHANGE, Los Angeles, Calif. Filed Feb. 18, 1926.

BUTTER-FRUIT

Particular description of goods.—Avocados (Fresh Fruit).
Claims use since Jan. 15, 1926.

Ser. No. 227,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MELVIN CANDY CO., Chicago, Ill. Filed Feb. 18, 1926.

No claim is made to the word "Melvin's" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since Jan. 1, 1923.

Ser. No. 227,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALPHONSE R. NORMANDIA, Elmhurst, N. Y. Filed Feb. 18, 1926.

ARN's CHAP-OFF

The word "Arn's" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Lotion for Use on Chapped Hands and Face.
Claims use since Oct. 1, 1924.

Ser. No. 227,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Filed Feb. 19, 1926.

NUT-CHUNK

The word "Nut" does not form a part of the registration sought apart from the mark shown.
Particular description of goods.—Candy and Candy Bars.
Claims use since about September, 1919.

Ser. No. 227,517. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HENKEL-CLAUSS COMPANY, Fremont, Ohio. Filed Feb. 19, 1926.

FINE-CUT

Particular description of goods.—Meat, Vegetable, and Food Choppers; Pruners; Tinner, Jeweler, Rubber, and Automobile Snips; Scissors, Shears, Razors, and Hand Knives.
Claims use since Jan. 2, 1926.

Ser. No. 227,537. (CLASS 39. CLOTHING.) RAUSER, LEAVENS & KISSINGER CO., Milwaukee, Wis. Filed Feb. 19, 1926.

KENWOOD

Particular description of goods.—Hosiery.
Claims use since Sept. 17, 1925.

Ser. No. 227,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE D. E. WOOD BUTTER COMPANY, Evansville, Wis., and Chicago, Ill. Filed Feb. 19, 1926.

Particular description of goods.—Oleomargarine and Nut Margarine.
Claims use since Sept. 25, 1918.

Ser. No. 227,549. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 20, 1926.

SUNSET

Particular description of goods.—Brick.
Claims use since January, 1925.

Ser. No. 227,560. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AUTOMOBILES CORRE LA LICORNE, Seine, France. Filed Feb. 20, 1926.

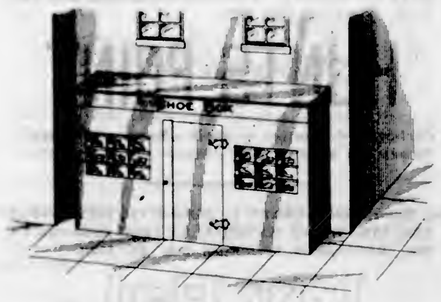
Particular description of goods.—Automobiles.
Claims use since Dec. 17, 1910.

Ser. No. 227,620. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE AMERICAN BRASS COMPANY, Waterbury, Conn. Filed Feb. 23, 1926.

"T. B."

Particular description of goods.—Rods, Sheets, Wire, Plates, Ingots, Castings, and Welding Rods Formed of Metallic Alloys.
Claims use since July, 1923.

Ser. No. 227,628. (CLASS 39. CLOTHING.) ABRAHAM BRESLAU, Baltimore, Md. Filed Feb. 23, 1926.



Applicant makes no claim to the exclusive use of the pictorial representation of the goods except in the particular arrangement and association in which they appear in the mark.
Particular description of goods.—Shoes of Leather, Rubber, Fabric, and Combinations of Said Materials.
Claims use since Sept. 26, 1925.

Ser. No. 227,632. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DONNA LEE COLLINS, doing business as The Donna Lee Co., Chicago, Ill. Filed Feb. 23, 1926.

Drawing consists of the silhouette of the head and bust of Donna Lee Collins.
Particular description of goods.—Perfume, Toilet Water, Face Lotions, Rouge, Talcum and Face Powders, Lip Sticks, Facial Astringents, Nail Polish, Cold Cream, Facial Creams, Depilatories, and Deodorants.
Claims use since Oct. 7, 1924.

Ser. No. 227,641. (CLASS 39. CLOTHING.) THE FIFTH AVENUE CORSET COMPANY, INC., Allentown, Pa. Filed Feb. 23, 1926.

Particular description of goods.—Combination Corset Brassières and Brassières.
Claims use since Jan. 14, 1926.

Ser. No. 227,642. (CLASS 39. CLOTHING.) THE FIFTH AVENUE CORSET COMPANY, INC., Allentown, Pa. Filed Feb. 23, 1926.

CHARIS

Particular description of goods.—Combination Corset Brassières and Brassières.
Claims use since Jan. 14, 1926.

Ser. No. 227,724. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

The Surprise

Particular description of goods.—Yearly Publication.
Claims use since 1882.

Ser. No. 227,725. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

Vägledaren

Particular description of goods.—Yearly Publication.
Claims use since about 1887.

Ser. No. 227,727. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

Veilederen

Particular description of goods.—Yearly Publication.
Claims use since about 1887.

Ser. No. 227,728. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

LA LUCE

Particular description of goods.—Yearly Publication.
Claims use since about 1893.

Ser. No. 227,730. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

Kranken-Bote

Particular description of goods.—Yearly Publication.
Claims use since about 1887.

Ser. No. 227,731. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

La Lumière

Particular description of goods.—Yearly Publication.
Claims use since about 1893.

Ser. No. 227,732. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

SVĚTLO

Particular description of goods.—Yearly Publication.
Claims use since about 1893.

Ser. No. 227,733. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

De Huisvriend

Particular description of goods.—Yearly Publication.
Claims use since about 1893.

Ser. No. 227,734. (CLASS 38. PRINTS AND PUBLICATIONS.) Dr. PETER FAHRNEY & SONS Co., Chicago, Ill. Filed Feb. 24, 1926.

ŚWIATŁO

Particular description of goods.—Yearly Publication.
Claims use since about 1893.

Ser. No. 227,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNTS POINT BAKERY, New York, N. Y. Filed Feb. 24, 1926.

HUNTS POINT

Particular description of goods.—Bread and Cakes.
Claims use since Aug. 1, 1924.

Ser. No. 227,749. CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PAL PRODUCTS CO., INC., Brooklyn, N. Y. Filed Feb. 24, 1926.

My Pal

"My Pal."
Particular description of goods.—Polishing Powder for Finishing Surfaces.
Claims use since Jan. 15, 1925.

Ser. No. 227,777. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EDWARD COULSON, doing business as Coulson's Manufacturing Co., Chicago, Ill. Filed Feb. 25, 1926.

COULSON'S SISCO SISCO PAD

No claim is made to the exclusive use of the words "Coulson's" and "Pad" apart from the mark shown in the drawing.
Particular description of goods.—Steam Pads Used in Connection With the Waving of Hair.
Claims use since on or about Feb. 1, 1926.

Ser. No. 227,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 25, 1926.

PARADOW

Particular description of goods.—Insecticidal Compositions.
Claims use since June 1, 1924.

Ser. No. 227,845. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE NAPIER CO., Meriden, Conn. Filed Feb. 26, 1926.

Evolution

Particular description of goods—Vanity Boxes Made of or Plated With Precious Metal.
Claims use since Aug. 6, 1925.

Ser. No. 227,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROBEN PRODUCTS, INC., New York, N. Y. Filed Feb. 26, 1926.

Progest-a-mint

The word "Mint" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Medicated Chewing Gum.
Claims use since Dec. 15, 1925.

Ser. No. 227,856. (CLASS 39. CLOTHING.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Feb. 26, 1926.

Particular description of goods.—Boots, Shoes, and Slippers Made of Leather, Rubber, and Fabric and of Combinations Thereof..
Claims use since January, 1920.

Ser. No. 227,859. (CLASS 12. CONSTRUCTION MATERIALS.) THE STERLING PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 26, 1926.

STERIASTIC

Particular description of goods.—Calking, Pointing, and Glazing Compounds.
Claims use since about Jan. 1, 1926.

Ser. No. 227,865. (CLASS 39. CLOTHING.) THE TIEDEMAN GLOVE CO., Toledo, Ohio. Filed Feb. 26, 1926.

JUMBO

Particular description of goods.—Gloves Made of Canvas and Knit Goods and Combinations Thereof.
Claims use since May 23, 1921.

Ser. No. 227,896. (CLASS 32. FURNITURE AND UPHOLSTERY.) KANAWHA SPECIALTY CO., Parkersburg, W. Va. Filed Feb. 27, 1926.

BYE BABY

Particular description of goods.—Children's Chairs for Use in Automobiles.
Claims use since Jan. 30, 1926.

Ser. No. 227,923. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ANNA E. THOMPSON, Philadelphia, Pa. Filed Feb. 27, 1926.

Particular description of goods.—Hot-Water Generators and Tanks Connected Therewith.
Claims use since May 24, 1902.

Ser. No. 227,931. (CLASS 39. CLOTHING.) CHARLES F. BERG, Portland, Oreg. Filed Mar. 1, 1926.

CHUMLEY

Particular description of goods.—Wearing Apparel—Namely, Dresses; Men's, Women's, and Children's Coats; Men's, Women's, and Children's Suits; Hosiery, Underwear of Knitted and Textile Fabrics, Sweaters, Blouses, Gloves of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since January, 1922.

Ser. No. 227,935. (CLASS 38. PRINTS AND PUBLICATIONS.) GIBSON CATLETT, doing business as Gibson Catlett's Studios, Chicago, Ill. Filed Mar. 1, 1926.

Gibson Catlett

The name "Gibson Catlett" is a facsimile signature of the applicant.
Particular description of goods.—Paintings.
Claims use since Jan. 1, 1915.

Ser. No. 227,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 1, 1926.

CRYSTALOL

Particular description of goods.—Tooth Pastes and Antiseptic Liquid Washes.
Claims use since Sept. 5, 1912.

Ser. No. 227,964. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE READING TOWEL MANUFACTURING CO., Reading, Pa. Filed Mar. 1, 1926.

Reading
MOTIF D'ART

No claim is made to the geographical term "Reading" apart from the mark as shown in the drawing.
Particular description of goods.—Towels, Wash Cloths, and Bath Mats of Knitted and Textile Fabric.
Claims use since Sept. 30, 1925.

Ser. No. 227,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM TUCKER, Brooklyn, N. Y. Filed Mar. 1, 1926.

Ma-Tuk

Particular description of goods.—Hair Tonic.
Claims use since about Nov. 1, 1925.

Ser. No. 227,984. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEO. BORGFELDT & CO., New York, N. Y. Filed Mar. 2, 1926.

MOLLY

Particular description of goods.—Stuffed Toy Animals.
Claims use since Nov. 15, 1925.

Ser. No. 227,985. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEO. BORGFELDT & CO., New York, N. Y. Filed Mar. 2, 1926.

CENTURY

Particular description of goods.—Toy Trains, Toy Automobiles, and Other Toy Vehicles Made of Tin and Other Suitable Materials.
Claims use since Feb. 15, 1926.

Ser. No. 227,987. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Mar. 2, 1926.

The
HOUR-GLASS
of FASHION

Particular description of goods.—Monthly Publication.
Claims use since Feb. 15, 1926.

Ser. No. 227,994. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RICHARD L. GILLES, doing business as The Evapometer Co., Fargo, N. Dak. Filed Mar. 2, 1926.

EVAPOMETER

Particular description of goods.—Device for Indicating the Daily Evaporation of Eggs in an Incubator.
Claims use since Jan. 10, 1925.

Ser. No. 228,050. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LESLIE MANN, Springfield, Mass. Filed Mar. 3, 1926.

SPORTOLOGY

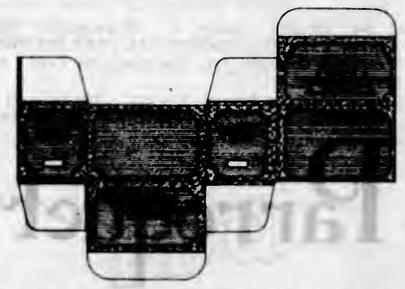
Particular description of goods.—Physical Educational Films.
Claims use since Dec. 1, 1925.

Ser. No. 228,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. P. ROSE, Jr., Nashville, Tenn. Filed Mar. 3, 1926.

ROSE'S

Particular description of goods.—Animal Feed, More Particularly Dog Feed.
Claims use since Jan. 4, 1926.

Ser. No. 228,073. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VEBY RADIO CO., Newark, N. J. Filed Mar. 3, 1926.



No claim is made to the representation of the carton.
Particular description of goods.—Resistance Couplers, Resistors, Resistance-Coupled Amplifier, and Radio Power Tubes.
Claims use since June 15, 1924.

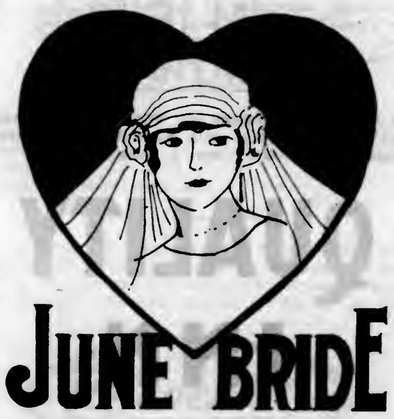
Ser. No. 228,082. (CLASS 39. CLOTHING.) NATHAN E. BERRIMAN, New York, N. Y. Filed Mar. 4, 1926.

SHRINK-PROOF

BERYLTEX
BROADCLOTH

No claim is made to the words "Shrink-Proof Broadcloth" apart from the mark as shown. However, the applicant reserves all common-law right thereto.
Particular description of goods.—Boys' Blouses and Men's Dress, Negligee, and Work Shirts.
Claims use since Feb. 18, 1926.

Ser. No. 228,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DUNLOP MILLING COMPANY, Clarksville, Tenn. Filed Mar. 4, 1926.



JUNE BRIDE

Particular description of goods.—Self-Rising Flour.
Claims use since Jan. 1, 1926.

Ser. No. 228,103. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LOUIS GOLDSTEIN, doing business as Windsor Ale Co., Chicago, Ill. Filed Mar. 4, 1926.

OLD TOWN
CLUB

Particular description of goods.—Nonalcoholic, Malt-less Beverages and Sirups and Extracts for Making the Same.
Claims use since Jan. 1, 1926.

Ser. No. 228,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. H. HACKER, doing business as E. H. Hacker and Company, Milwaukee, Wis. Filed Mar. 4, 1926.

No claim is made to the word "Chocolates" apart from the mark shown.

Particular description of goods.—Candy.

Claims use since Nov. 1, 1921.

Ser. No. 228,114. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KIRK MILLING COMPANY, Findlay, Ohio. Filed Mar. 4, 1926. Under ten-year proviso.

KIRK'S

Particular description of goods.—Wheat Flour, Pancake Flour, Corn Meal, Cereal (Wheat Grits), and Cake Flour.

Claims use since about Oct. 10, 1879.

Ser. No. 228,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KIRK MILLING COMPANY, Findlay, Ohio. Filed Mar. 4, 1926.

QUALITY INN

Particular description of goods.—Pancake Flour Consisting of Buckwheat, Whole Wheat, Corn, and Mixtures Thereof with Wheat Flour.

Claims use since Oct. 1, 1922.

Ser. No. 228,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Mar. 4, 1926.

CAKEWICH

Particular description of goods.—Cakes.

Claims use since Jan. 19, 1926.

Ser. No. 228,129. (CLASS 37. PAPER AND STATIONERY.) THE NORTHWEST PAPER COMPANY, Cloquet, Minn. Filed Mar. 4, 1926.

NORTHWEST

Particular description of goods.—Book Paper, Writing Paper, and Printing Paper.

Claims use since Sept. 5, 1925.

Ser. No. 228,133. (CLASS 37. PAPER AND STATIONERY.) E. C. PALMER & CO., LTD., New Orleans, La. Filed Mar. 4, 1926.

WAVELAND BOND

The word "Bond" is disclaimed apart from the mark shown.

Particular description of goods.—Bond Paper.

Claims use since Apr. 17, 1924.

Ser. No. 228,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. H. STORTS, Milwaukee, Wis. Filed Mar. 4, 1926.

KING OF CATARRH

"T. H. Storts"

No claim is made to the words "T. H. Storts" apart from the mark shown on the drawing.

Particular description of goods.—Vapor Remedy for Catarrh, Lung Troubles, Asthma, Hay Fever, and the Like.

Claims use since Feb. 13, 1926.

Ser. No. 228,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VANITETTE COMPANY, INC., San Francisco, Calif. Filed Mar. 4, 1926.

Parroquet

Particular description of goods.—Face Powder.

Claims use since Jan. 15, 1926.

Ser. No. 228,179. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE J. W. CROWDUS DRUG COMPANY, Dallas, Tex. Filed Mar. 5, 1926.

Personality

Particular description of goods.—Combs Not Including Those Made of Precious Metal.

Claims use since Nov. 17, 1925.

Ser. No. 228,193. (CLASS 37. PAPER AND STATIONERY.) KALAMAZOO VEGETABLE PARCHMENT CO., Kalamazoo, Mich. Filed Mar. 5, 1926.

WHALEHIDE

Particular description of goods.—Wrapping Paper.

Claims use since Feb. 23, 1926.

Ser. No. 228,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LLOYD BROTHERS, PHARMACISTS INC., Cincinnati, Ohio. Filed Mar. 5, 1926.

FERROPHOSPHINE

Particular description of goods.—Medicinal Preparation for Internal Use for Treating Inflammation of Any Tissue of the Body, Especially in Pneumonia, Bronchitis, Pleuritis, Laryngitis, Rhinitis, Inflammatory Rheumatism, and Kindred Ailments.

Claims use since Jan. 15, 1926.

Ser. No. 228,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRISON GRAVES, doing business as Harrison Products Co., Kingston, N. Y. Filed Mar. 6, 1926.

PDQ

Particular description of goods.—Laxative Coated Chewing Gum.

Claims use since Jan. 22, 1926.

Ser. No. 228,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMPSON'S DAIRY, Washington, D. C. Filed Mar. 6, 1926.

Particular description of goods.—Pasteurized Milk, Butter, and Cheese.

Claims use since Jan. 1, 1915.

Ser. No. 228,285. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) EDGAR B. WALTERS ORGANIZATION, INC., New York, N. Y. Filed Mar. 6, 1926.

BEST BPM MAKE
MADE IN ENGLAND

No claim is made to the words "Best Make" and "Made in England."

Particular description of goods.—Smokers' Articles—viz. Pipes.

Claims use since about Mar. 1, 1926.

Ser. No. 228,286. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany. Filed Mar. 6, 1926.

Particular description of goods.—Adding Machines, Calculating Machines in Combination with Typewriters, Tabulators, Word Counters, Instruments for Measuring the Hardness of the Roller, Instruments for Measuring the Pressure of the Keys, Counting Machines, Calculator Slides, Postage Registers, Cash Registers, and Parts of Any and all of the Above Devices and Machines, Particularly Free-Running Rollers, Keys, and Protecting Caps and Plates for Adding and Calculating Machines.

Claims use since May, 1924.

Ser. No. 228,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILBUR C. GORDON, doing business as Taygo Laboratories, Los Angeles, Calif. Filed Mar. 8, 1926.

TAYGO

Particular description of goods.—Face Cream, Cleansing Cream, Tissue Builders, Face and Hand Lotions, Astringent Lotion, Liquid Powder, Bleaching Cream, Face Powder, Hair Tonic, Complexion Beautifier, and Cleansing Cream.
Claims use since Oct. 1, 1925.

Ser. No. 228,338. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y. Filed Mar. 8, 1926.

STEELCANE

Particular description of goods.—Metal Strips Woven or Interlaced, Suitable for Chair Seats and Backs; Ventilating Grilles; and Ventilating Screens.
Claims use since Feb. 17, 1926.

Ser. No. 228,376. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Mar. 9, 1926.

HEUREUSE SURPRISE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Lotion for the Skin and Hair, Rouge, Lip Sticks, Sachet, Face Cream, Dusting Powder, Vegetal, Rouge and Powder Compacts, and Bandoline.
Claims use since Feb. 27, 1926.

Ser. No. 228,388. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS). THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Mar. 9, 1926.

Letter "B" circumscribed by the letter "O".
Particular description of goods.—Metal Castings, Such as Copper, Brass, and Bronze Castings, Malleableized Cast Iron and Steel Castings.
Claims use since Feb. 1, 1907.

Ser. No. 228,410. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Filed Mar. 10, 1926.

CELLUWIPES

Particular description of goods.—Absorbent Pads or Sheets for Hospital Use.
Claims use since Feb. 19, 1923.

Ser. No. 228,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENGLISH CHINA CLAYS LIMITED, St. Austell, England. Filed Mar. 10, 1926.

STOCKALITE

Particular description of goods.—Colloidal Clays, Being Chemical Substances Used in Manufactures, Photography, or Philosophical Research.
Claims use since about Aug. 19, 1925.

Ser. No. 228,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENGLISH CHINA CLAYS LIMITED, St. Austell, England. Filed Mar. 10, 1926.

DEVOLITE

Particular description of goods.—Colloidal Clays, Being Chemical Substances Used in Manufactures, Photography, or Philosophical Research and Anticarrasines.
Claims use since about Aug. 11, 1925.

Ser. No. 228,427. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KEYSTONE BOTTLING & SUPPLY COMPANY, Pittsburgh, Pa. Filed Mar. 10, 1926.

CHAMPAGNEO

Particular description of goods.—Nonalcoholic, Non-Cereal, Maltless Beverages Sold as a Soft Drink and Sirup for Making the Same.
Claims use since May 5, 1925.

Ser No. 228,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVELL PHARMACAL CO., INC., New York, N. Y. Filed Mar. 11, 1926.

LAR-IO-BEN

Lar-Io-Ben.
Particular description of goods.—Antiseptic and Astringent Remedy in Solution in an Aqueous or Oily Menstruum, the Result of the Interaction of Iodine, Phenol, and Gallotannic Acid for Local Use as a Spray for Nose and Throat and Also as a Gargle and Mouth Wash.
Claims use since Jan. 2, 1926.

Ser. No. 228,480. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE POST & LESTER COMPANY, doing business as Hartford Metal Products Company, Hartford, Conn. Filed Mar. 11, 1926.

ARION

Particular description of goods.—Loud Speakers for Radio Receiving Sets.
Claims use since Oct. 8, 1925.

Ser. No. 228,482. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE POST & LESTER COMPANY, doing business as Hartford Metal Products Company, Hartford, Conn. Filed Mar. 11, 1926.

VOX

Particular description of goods.—Phones for Radio Receiving Sets.
Claims use since Oct. 28, 1925.

Ser. No. 228,508. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) UNITED STATES METALS REFINING COMPANY, Carteret, N. J. Filed Mar. 11, 1926.

DRW

Particular description of goods.—Wire Bars, Bars, Ingot Bars, Ingots, and Cakes of Gold, Silver, and Copper.
Claims use since about 1904.

Ser. No. 228,517. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM D. WARNER, Columbus, Ohio. Filed Mar. 11, 1926.

AMPLIFONE

Particular description of goods.—Sound Amplifiers and Reflectors for Radio Loud Speakers.
Claims use since about Feb. 15, 1926.

Ser. No. 228,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORESITE MANUFACTURING CO., Minneapolis, Minn. Filed Mar. 12, 1926.

Foresite

Particular description of goods.—Dentifrice in Powder Form.
Claims use since Oct. 1, 1925.

Ser. No. 228,541. (CLASS 39. CLOTHING.) JACOB B. HIRSHFELD, doing business as The Kawana Mills, New York, N. Y. Filed Mar. 12, 1926.

KAWANA

Particular description of goods.—Knitted and Textile Nainsook Underwear and Athletic Underwear of Textile Fabric, Knitted Sweaters, Knitted and Textile Fabric Bathing Suits, and Hosiery of Silk, Cotton, and Woolen and Combinations Thereof, all for Men, Women, and Children.
Claims use since Dec. 31, 1912.

Ser. No. 228,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER L. MAVRELIS, doing business as The Mavreline Company, Waterloo, Iowa. Filed Mar. 12, 1926.

MAVRELINE

Particular description of goods.—Preparation for the Treatment of Piles, Constipation, Eczema, Pimples on the Face, Stomach Trouble, Diabetes, Gallstones, and Disorders of the Digestive System.
Claims use since on or about Jan. 15, 1926.

Ser. No. 228,560. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PROGRESSIVE KNITTING WORKS, INC., Brooklyn, N. Y. Filed Mar. 12, 1926.

RAYCRAFT GLOVETTE

Particular description of goods.—Silk Fabrics and Artificial Silk Knitted in the Piece.
Claims use since January, 1926.

Ser. No. 228,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROUNDUP GROCERY COMPANY, Spokane, Wash. Filed Mar. 12, 1926.

ROUNDUP

Particular description of goods.—Bluing and Ammonia.
Claims use since Jan. 2, 1918.

Ser. No. 228,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREA ULLUCCI, Sess A Arunca, Italy. Filed Mar. 12, 1926.

Gastrovital

"Gastrovital."
Particular description of goods.—Medicine for Stomach Ailment and Blood Rejuvenator.
Claims use since Aug. 3, 1907.

Ser. No. 228,583. (CLASS 39. CLOTHING.) VOGUE KNITTING COMPANY, Womelsdorf, Pa. Filed Mar. 12, 1926.

MER-TEX

Particular description of goods.—Men's, Women's, and Children's Underwear of Knitted and Textile Fabric and Hosiery of Silk, Woolen, Cotton, and Combination Fabric.
Claims use since Jan. 11, 1926.

Ser. No. 228,604. (CLASS 39. CLOTHING.) A. B. FRANK COMPANY, San Antonio, Tex. Filed Mar. 13, 1926.

ROY-ED

Particular description of goods.—Knit Underwear, Sweaters.
Claims use since Feb. 27, 1926.

Ser. No. 228,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX KRITT, doing business as K. K. Medicine Company, Detroit, Mich. Filed Mar. 13, 1926.

Particular description of goods.—Cough Medicines, Laxatives, and Medicines for Treatment of Colds.
Claims use since Jan. 22, 1926.

Ser. No. 228,658. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) O. B. McCLINTOCK COMPANY, Minneapolis, Minn. Filed Mar. 15, 1926.

DETEKT-ATTAK

Particular description of goods.—Electric Burglar Alarms and Alarms for Vault-Protecting Systems.
Claims use since Dec. 29, 1925.

Ser. No. 228,666. (CLASS 11. INKS AND INKING MATERIALS.) ROYAL TYPEWRITER COMPANY, INC., New York, N. Y. Filed Mar. 15, 1926.

ROYTYPE

Particular description of goods.—Inking Ribbons and Carbon Paper.
Claims use since Jan. 5, 1926, on inking ribbons; since Mar. 2, 1926, on carbon paper.

Ser. No. 228,667. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed Mar. 15, 1926.

Particular description of goods.—Compounding Ingredient and Rubber Softener.
Claims use since Jan. 16, 1926.

Ser. No. 228,703. (CLASS 39. CLOTHING.) JOSEPH AND MILTON, Toronto, Canada. Filed Mar. 16, 1926.

JOMIL

Particular description of goods.—Ladies' Coats, Ladies' Hats, and Ladies' Dresses.
Claims use since Mar. 1, 1926.

Ser. No. 228,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE REYNOLDS PRESERVING COMPANY, Sturgeon Bay, Wis. Filed Mar. 16, 1926.

CHERRYLAND

Particular description of goods.—Canned Fruits.
Claims use since Aug. 11, 1925.

Ser. No. 228,726. (CLASS 39. CLOTHING.) RUBENS & MEYER, New York, N. Y. Filed Mar. 16, 1926.

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1911.

Ser. No. 228,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT AMERICAN TEA CO., Brooklyn, N. Y. Filed Mar. 17, 1926.

AMERT

"Amert."
Particular description of goods.—Coffee.
Claims use since Jan. 12, 1926.

Ser. No. 228,763. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVEL COMPANY, West Haven, Conn. Filed Mar. 17, 1926.

GYNEEN

"Gyneen."
Particular description of goods.—Antiseptic Solution.
Claims use since Feb. 2, 1926.

Ser. No. 228,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NU-IDEA AIR PURIFIER CO. INC., Jamaica, N. Y. Filed Mar. 17, 1926.

MOTH-CAK

Particular description of goods.—Naphtha in Block Form Used as an Air-Purifier Agent and Vermin Exterminator.
Claims use since Feb. 15, 1926.

Ser. No. 228,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PYRAMID PACKING COMPANY, Sitka, Alaska. Filed Mar. 17, 1926.

CARAVAN

Particular description of goods.—Canned Fish.
Claims use since July 23, 1918.

Ser. No. 228,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PYRAMID PACKING COMPANY, Sitka, Alaska. Filed Mar. 17, 1926.

CLEOPATRA

Particular description of goods.—Canned Fish.
Claims use since Oct. 5, 1918.

Ser. No. 228,789. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Mar. 17, 1926.

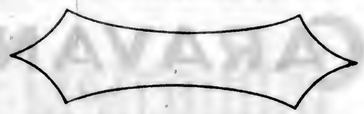
Tropical Bouquet

Particular description of goods.—Face Powders, Complexion Powders, Talcum Powders, Tooth Powders, Cold Creams, Face Creams, Face Packs, Vanishing Creams, Cosmetic Lotion, Rouges, Lip Sticks, Perfumes, Toilet Waters, Scalp Tonics, Shampoo, Hair Tonics, Hair Oils, Mouth Washes, Tooth Pastes, Nail Polishes, Eyebrow Pencils, Sachets, Liquid Face Powders, Deodorizing Preparations, Bath Salts, Smelling Salts, and Dentifrices.
Claims use since Mar. 3, 1926.

Ser. No. 228,803. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Filed Mar. 18, 1926.

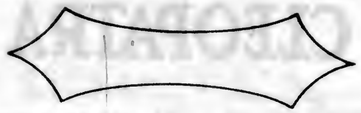
No claim is made to the exclusive use of the words "Sanitary Cold Cream Remover" apart from the mark shown.
Particular description of goods.—Absorbent Pads or Sheets for Removing Cold Cream.
Claims use since June 16, 1925.

Ser. No. 228,805. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN CHATILLON & SONS, New York, N. Y. Filed Mar. 18, 1926.



Particular description of goods.—Dynamometers, Thermometers, Beam Scales, Even-Balance Scales, and Spring Scales.
Claims use since Apr. 27, 1923.

Ser. No. 228,806. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN CHATILLON & SONS, New York, N. Y. Filed Mar. 18, 1926.



Particular description of goods.—Cooks' Forks, Ice Picks, Ice Cutters, Aluminum Butter Spades, Butter Trowels, Butchers' Saws and Blades, Pork-Packers' Saws, Kitchen Saws and Spades, Butchers' Block Scrapers, Hog Scrapers, Grocers' Scoops, Confectioners' Scoops, Ice Scoops, Coffee Scoops, Hand Scoops, Ham Stringers, Fish Shears, Meat-Tag Fasteners, Roast-Beef Tiers, Candy Hatchets, Fish Scalers, Bag Fillers, Barrel Hooks, Cleavers, Butchers' Block Pins, Sharpening Steels, Butchers' Pouches, Butter Triers, Carving Sets, Food Choppers, Coffee Mills, Lard Presses, Lard Paddles, Lard Skimmers, Lard Dippers, Larding Needles, Ham Triers, Ice Shavers, Ice Tongs, Meat Masticators, Sausage Stuffers, Spatulas, Banana Knives, Boning Knives, Bread Knives, Brisket Knives, Butchers' Knives, Butter Knives, Candy Knives, Cheese Knives, Cigarmakers' Knives, Clam Knives, Kitchen Knives, Fish Knives, Grapefruit Knives, Oyster Knives, Palette Knives, Paper-Hangers' Knives, Paring Knives, Pork Knives, Putty Knives, Ribbing Knives, Shoe Knives, Skinning Knives, Vegetable Knives, and Steak Knives.
Claims use since Sept. 29, 1922, on aluminum spades and trowels; since Apr. 27, 1923, on the rest of goods named.

Ser. No. 228,809. (CLASS 39. CLOTHING.) DONNELLY GARMENT COMPANY, Kansas City, Mo. Filed Mar. 18, 1926.

HANDY DANDY

Particular description of goods.—Aprons.
Claims use since July, 1924.

Ser No. 228,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LILAH M. HARVEY, Los Angeles, Calif. Filed Mar. 18, 1926.

Particular description of goods.—Seasick Remedies.
Claims use since Mar. 3, 1926.

Ser. No. 228,827. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OETTINGER PRODUCTS, Boston, Mass. Filed Mar. 18, 1916.

CHATTERBOX

Particular description of goods.—Radio Receiving Sets.
Claims use since Mar. 8, 1926.

Ser. No. 228,964. (CLASS 46. FOODS AND INGREDICINES, AND PHARMACEUTICAL PREPARATIONS.) STELLA RILEY, Carbondale, Ill. Filed Mar. 18, 1926.

RILEYE

Particular description of goods.—Eye Water and an Eye Salve.
Claims use since Mar. 1, 1926.

Ser. No. 228,870. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Mar. 19, 1926.

TRI-PLY

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, and Overcoats for Men, Youths, and Boys.
Claims use since June 1, 1925.

Ser. No. 228,874. (CLASS 44, DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed Mar. 19, 1926.

MEDICAL

Particular description of goods.—Arch Supports and Similar Foot Corrective Appliances.
Claims use since January, 1912.

Ser. No. 228,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS WENGER, doing business as The House of Wenger, Philadelphia, Pa. Filed Mar. 19, 1926.

CHOU-CHOU

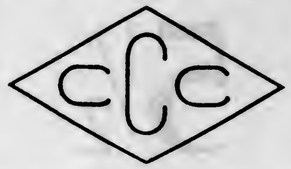
Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Nov. 5, 1925.

Ser. No. 228,883. (CLASS 44, DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) A. S. ALOE CO., St. Louis, Mo. Filed Mar. 20, 1926.

SUPER DIATHERM

Particular description of goods.—Physiotherapy Apparatus.
Claims use since Apr. 1, 1925.

Ser. No. 228,892. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CHILE EXPLORATION COMPANY, New York, N. Y. Filed Mar. 20, 1926.



Particular description of goods.—Copper Ingots, Ingot Bars, Wire Bars, Wedge Bars, Billets, Slabs, and Cakes.
Claims use since May 31, 1915.

Ser. No. 228,899. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. B. GOFF & SONS, CO., Camden, N. J. Filed Mar. 20, 1926.

HERA

Particular description of goods.—Tonic, Regulator, and Invigorator to the Female Organs.
Claims use since Feb. 27, 1926.

Ser. No. 228,901. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Mar. 20, 1926.

EVEREADY

Particular description of goods.—Weighing Scales.
Claims use since Mar. 12, 1926.

Ser. No. 228,906. (CLASS 39. CLOTHING.) S. JOSEPH & SONS, New York, N. Y. Filed Mar. 20, 1926.

VELVETEX

Particular description of goods.—Men's Outer Suits, Coats, Trousers, Vests, and Overcoats.
Claims use since Dec. 1, 1925.

Ser. No. 228,927. (CLASS 39. CLOTHING.) THE OCEAN BATHING SUIT CO., INC., New York, N. Y. Filed Mar. 20, 1926.

OCEAN *Champion*

Particular description of goods.—Bathing Suits.
Claims use since Mar. 12, 1926.

Ser. No. 228,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OWL DRUG CO., San Francisco, Calif. Filed Mar. 20, 1926.

SHADY GLEN

Particular description of goods.—Cream for the Skin.
Claims use since Feb. 1, 1923.

Ser. No. 228,931. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Mar. 20, 1926.

VANCRAFT

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Feb. 23, 1922.

Ser. No. 228,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROUNDUP GROCERY COMPANY, Spokane, Wash. Filed Mar. 20, 1926.

Falls

Particular description of goods.—Canned Goods—Namely, Pumpkin, Rhubarb, Tomatoes, Sauerkraut, Beans, Peas, Spinach, Apples, Huckleberries, Loganberries, Blackberries, Raspberries, Strawberries, Cherries, Prunes, Pears, Gooseberries, Apricots, Peaches, Pineapples, and Clams.
Claims use since July 1, 1924.

Ser. No. 228,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME JEAN PATOU, Paris, France. Filed Mar. 20, 1926.

ADIEU SAGESSE

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Rouges, Sachet, Brilliantine, Bath Salts, Eau de Cologne, Lotion for the Skin and Hair, Face Cream.
Claims use since June 15, 1925.

Ser. No. 228,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME JEAN PATOU, Paris, France. Filed Mar. 20, 1926.

QUE SAIS-JE

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Rouges, Sachet, Brilliantine, Bath Salts, Eau de Cologne, Lotion for the Skin and Hair, Face Cream.
Claims use since Apr. 10, 1925.

Ser. No. 228,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL J. BARNARD, doing business as Hasty-Tasty Company, Los Angeles, Calif. Filed Mar. 22, 1926.

Hasty-Tasty

Particular description of goods.—Sliced Walnuts, Sliced Almonds, and Other Nuts.
Claims use since Mar. 4, 1926.

Ser. No. 228,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. N. COLLINS COMPANY, Minneapolis, Minn. Filed Mar. 22, 1926.

CHUBBIES

Particular description of goods.—Candy.
Claims use since Feb. 1, 1926.

Ser. No. 228,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JUNIOR COFFEE CO., Amarillo, Tex. Filed Mar. 22, 1926.

GOLDEN LIGHT

Particular description of goods.—Coffee.
Claims use since Feb. 24, 1926.

Ser. No. 229,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Mar. 23, 1926.

1½

Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 229,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Mar. 23, 1926.

4½

Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 229,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Mar. 23, 1926.

5½

Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 229,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Mar. 23, 1926.

6½

Particular description of goods.—Hair Dye.
Claims use since September, 1919.

Ser. No. 229,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO, INC., New York, N. Y. Filed Mar. 23, 1926.

8½

Particular description of goods.—Hair Dye.
Claims use since September, 1919.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 27, 1926.

212,024. BUTTER. BEATRICE CREAMERY COMPANY, Chicago, Ill., and Topeka, Kans.
Filed November 4, 1925. Serial No. 222,777. PUBLISHED FEBRUARY 9, 1926.

212,025. BLOWTORCHES. APEX STAMPING COMPANY, Riverdale, Ill.
Filed November 2, 1925. Serial No. 222,655. PUBLISHED FEBRUARY 2, 1926.

212,026. CIGAR LIGHTERS. MAX E. BERNHARDT. New York, N. Y.
Filed October 31, 1925. Serial No. 222,594. PUBLISHED JANUARY 26, 1926.

212,027. CARD OR RIBBON BINDING. HORACE M. EATON, trustee, Lynn, Mass.
Filed October 28, 1925. Serial No. 222,446. PUBLISHED FEBRUARY 9, 1926.

212,028. FUEL-OIL BURNERS AND STOOLS. FRANKLIN SCHROYER, Hutchinson, Kans.
Filed October 26, 1925. Serial No. 222,344. PUBLISHED JANUARY 19, 1926.

212,029. FILMS CONSISTING OF A MOISTURE AND AIR PROOF COMPOSITION AND INTENDED FOR TRANSFER, UNDER APPLICATION OF HEAT AND PRESSURE TO THE SURFACE OF COTTON TEXTILE FABRICS, SILK TEXTILE FABRICS, PAPER SHEETS, AND SIMILAR PURPOSES. HERMETITE CORPORATION, New York, N. Y.
Filed October 24, 1925. Serial No. 222,241. PUBLISHED JANUARY 26, 1926.

212,030. COTTON TEXTILE FABRICS AND SILK TEXTILE FABRICS RENDERED MOISTURE AND AIR PROOF AND INTENDED VARIOUSLY FOR USE IN RAINCOATS, WATERPROOF HATS, MILLINERY TRIMMING, DRAPERIES AND UPHOLSTERY, SANITARY WEAR (SUCH AS BABY PANTS, CRIB SHEETS, DIAPERS, WOMEN'S APRONS, HOSPITAL SHEETING, OR THE LIKE), WINDOW SHADES, TENTS, AND AWNINGS, TYMPAN SHEETS FOR PRINTING PRESSES, WRAPPINGS FOR INSULATED ELECTRIC WIRES, AND SIMILAR PURPOSES. HERMETITE CORPORATION, New York, N. Y.
Filed October 24, 1925. Serial No. 222,238. PUBLISHED JANUARY 26, 1926.

212,031. TOY ANIMALS. BERTHA LINCOLN HEUSTIS, Harvard, Ill.
Filed October 16, 1925. Serial No. 221,831. PUBLISHED FEBRUARY 16, 1926.

212,032. SILK AND WOOL PIECE GOODS. SUSQUEHANNA SILK MILLS, New York, N. Y.
Filed July 25, 1925. Serial No. 217,905. PUBLISHED FEBRUARY 9, 1926.

212,033. FRESH CITROUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH BERRIES, FRESH GRAPES, WATERMELONS, CANTALOUPES, CASABA MELONS, HONEY DEW MELONS, PINEAPPLES, CANNED FRUITS, FRESH FIGS AND DATES, AND FRESH VEGETABLES. AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa.
Filed July 9, 1925. Serial No. 217,060. PUBLISHED FEBRUARY 9, 1926.

212,034. UNDERHOSE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,523. PUBLISHED FEBRUARY 9, 1926.

212,035. FRESH CITROUS FRUITS. SUNLAND PACKING HOUSE COMPANY, Porterville and Sunland, Calif.
Filed June 2, 1925. Serial No. 215,223. PUBLISHED FEBRUARY 16, 1926.

212,036. LIQUID HYDROCARBON MORE VOLATILE THAN GASOLINE FOR USE AS DOMESTIC AND INDUSTRIAL FUEL AND AS FUEL FOR A METALLURGICAL TORCH FOR CUTTING STEEL. ROCKGAS PRODUCTS COMPANY, Wilmington, Del., Coraopolis, Pa.
Filed May 28, 1925. Serial No. 215,024. PUBLISHED FEBRUARY 2, 1926.

212,037. LUBRICATING GREASE PUT UP IN BULK FORM. CHRISTIAN-ABLE COMPANY, Houston, Tex.
Filed May 16, 1925. Serial No. 214,399. PUBLISHED FEBRUARY 16, 1926.

212,038. DEVICE HAVING THE PROPERTIES OF REPELLING AND EXTERMINATING MOTHS, OTHER INSECTS, AND RODENTS, AND OF DEODORIZING, FUMIGATING, SCENTING, OR PERFUMING, AND FOR GENERAL SANITARY, ANTISEPTIC, THERAPEUTIC, AND GERMICIDAL PURPOSES. NUODEX PRODUCTS CO., INC., New York, N. Y.
Filed December 7, 1925. Serial No. 224,346. PUBLISHED FEBRUARY 9, 1926.

212,039. BOYS' HATS. FINE & LEVY INC., New York, N. Y.
Filed December 5, 1925. Serial No. 224,281. PUBLISHED FEBRUARY 9, 1926.

212,040. CONCRETE AND CEMENT FLOOR HARDENER. LARS JACKSON, doing business as The Lars Jackson Co., Brooklyn, N. Y.
Filed December 2, 1925. Serial No. 224,094. PUBLISHED FEBRUARY 2, 1926.

212,041. SHEET-RUBBER COVERINGS FOR SURFACES OF RECEPTACLES, CONDUITS, MACHINERY PARTS, AND OTHER ARTICLES. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed November 30, 1925. Serial No. 224,017. PUBLISHED JANUARY 26, 1926.

212,042. BATH SALTS. JAMES BEACH & SONS, Dubuque, Iowa.
Filed November 30, 1925. Serial No. 223,993. PUBLISHED FEBRUARY 9, 1926.

212,043. RUBBER MATS AND RUBBER MATTING. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass.
Filed November 27, 1925. Serial No. 223,894. PUBLISHED JANUARY 26, 1926.

212,044. UMBRELLA TENTS, WALL TENTS, LEANTOS, CAMP STAKES, TENT POLES, GUY ROPES. JNO. KENNETH PORTER, doing business as U-Auto Camp Co., Scranton, Pa.
Filed November 23, 1925. Serial No. 223,743. PUBLISHED JANUARY 19, 1926.

212,045. ROPE AND CORDAGE. WALL ROPE WORKS, INC., New York, N. Y.
Filed November 19, 1925. Serial No. 223,565. PUBLISHED JANUARY 12, 1926.

212,046. VENTILATORS. WALTER R. POETSCH, Chicago, Ill.
Filed November 18, 1925. Serial No. 223,486. PUBLISHED JANUARY 19, 1926.

212,047. LIQUID INSULATING COMPOUND. THE FEDERAL RUBBER COMPANY OF ILLINOIS, Chicago, Ill., and Cudahy, Wis.
Filed November 13, 1925. Serial No. 223,226. PUBLISHED FEBRUARY 2, 1926.

212,048. AUTOMOBILE HEATERS. FREDERICK W. MUSSEHL, Toledo, Ohio.
Filed November 9, 1925. Serial No. 223,048. PUBLISHED JANUARY 12, 1926.

212,049. COAL. PARDEE BROTHERS & COMPANY, INCORPORATED, Philadelphia, Pa.
Filed November 4, 1925. Serial No. 222,791. PUBLISHED FEBRUARY 2, 1926.

212,050. TYPEWRITING AND OTHER MACHINES. WANDERER-WERKE VORM. WINKLHOFER & JAENICKE AKTIENGESELLSCHAFT, Schonau, near Chemnitz, Germany.
Filed November 8, 1924. Serial No. 205,042. PUBLISHED FEBRUARY 9, 1926.

212,051. LADIES', MISSES', AND CHILDREN'S DRESSES AND BLOUSES. SELLMORE DRESS COMPANY, INC., New York, N. Y.
Filed August 15, 1924. Serial No. 201,470. PUBLISHED NOVEMBER 25, 1924.

212,052. SILK UNDERWEAR AND GLOVES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. GLOVSILK UNDERGARMENT CO. INC., New York, N. Y.
Filed August 7, 1924. Serial No. 201,084. PUBLISHED FEBRUARY 9, 1926.

212,053. ROLLER COMPOSITION FOR PRINTING PRESS. GEORGE RUSSELL REED COMPANY, San Francisco, Calif.
Filed June 3, 1924. Serial No. 198,030. PUBLISHED DECEMBER 15, 1925.

212,054. MOTOR FUEL COMPOSED OF A BLEND OF BENZOL AND GASOLINE. GENERAL OIL CORPORATION, Birmingham, Ala.
Filed May 12, 1924. Serial No. 196,913. PUBLISHED FEBRUARY 9, 1926.

212,055. TOY WAGONS. M. PRESSNER & COMPANY, New York, N. Y.
Filed April 29, 1924. Serial No. 196,316. PUBLISHED MARCH 24, 1925.

212,056. GASOLINE. WESTERN REFINING AND OIL COMPANY, Davenport, Iowa.
Filed January 23, 1924. Serial No. 191,211. PUBLISHED FEBRUARY 2, 1926.

212,057. COFFEE. JOHN H. WILKINS CO., Washington, D. C.
Filed May 13, 1925. Serial No. 214,303. PUBLISHED FEBRUARY 9, 1926.

212,058. CANNED ASPARAGUS. GOLDEN STATE ASPARAGUS COMPANY, San Francisco, Calif.
Filed May 11, 1925. Serial No. 214,151. PUBLISHED FEBRUARY 9, 1926.

212,059. CHINAWARE BOWLS. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed March 23, 1925. Serial No. 211,491. PUBLISHED FEBRUARY 9, 1926.

212,060. CASHMERE AND WOOL CLOTH IN THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed March 20, 1925. Serial No. 211,391. PUBLISHED FEBRUARY 9, 1926.

212,061. AUTOMOBILE LUGGAGE CARRIERS. TOURIST SUPPLY CO., Dover, Del., and Los Angeles, Calif.
Filed January 19, 1925. Serial No. 208,322. PUBLISHED JULY 28, 1925.

212,062. CHOCOLATE AND PEANUT CANDY. GEORGE-ADAMS COMPANY, Chillicothe, Mo.
Filed January 15, 1925. Serial No. 208,136. PUBLISHED FEBRUARY 9, 1926.

212,063. LUBRICATING OILS AND GREASES. CORNING OIL COMPANY, INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,044. PUBLISHED NOVEMBER 17, 1925.

212,064. ROLLED ROOFING AND ASPHALT AND SLATE SURFACED SHINGLES. PIONEER PAPER COMPANY, Los Angeles, Calif.
Filed December 7, 1925. Serial No. 224,353. PUBLISHED FEBRUARY 2, 1926.

212,065. LUMBER OF ALL KINDS USED FOR PANELS AND DOORS. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif.
Filed October 30, 1925. Serial No. 222,559. PUBLISHED FEBRUARY 2, 1926.

212,066. BUTTONS AND BUCKLES MADE OF CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE FOR PERSONAL WEAR. BAKELITE CORPORATION, New York, N. Y.
Filed October 23, 1925. Serial No. 222,157. PUBLISHED FEBRUARY 16, 1926.

212,067. ARTIFICIAL FLOWERS FOR WEARING APPAREL MADE OF VELVET, LINEN, CRÊPE SILK, AND SILK; FANS MADE OF FEATHERS, GAUZE, (COTTON OR SILK), LACE, SPANGLED TISSUES, AND PAPER, WITH PLAIN AND FANCY SHELL, IMITATION SHELL, CELLULOID, BONE, IVORY, OR WOOD HANDLES; BARRETTES, COMBS, AND HAIRPINS MADE OF PLAIN AND MOUNTED IMITATION SHELL, AND SHOEHORNS MADE OF IMITATION SHELL, AMBER, PEARL, AND IVORY. WOODWARD & LOTHROP, Washington, D. C.
Filed November 13, 1925. Serial No. 223,268. PUBLISHED FEBRUARY 16, 1926.

212,068. BRICKS. STREATOR BRICK COMPANY, Streator, Ill.
Filed November 13, 1925. Serial No. 223,262. PUBLISHED JANUARY 19, 1926.

212,069. LUMBER AND FLOORING. W. M. RITTER LUMBER COMPANY, Columbus, Ohio.
Filed November 12, 1925. Serial No. 223,193. PUBLISHED FEBRUARY 2, 1926.

212,070. LUMBER AND FLOORING. W. M. RITTER LUMBER COMPANY, Columbus, Ohio.
Filed November 12, 1925. Serial No. 223,192. PUBLISHED FEBRUARY 2, 1926.

212,071. QUICK-SETTING PLASTER. CHARLES WARNER COMPANY, Wilmington, Del.
Filed November 10, 1925. Serial No. 223,108. PUBLISHED JANUARY 12, 1926.

212,072. PORTABLE HOUSES, KNOCKDOWN SHEDS AND GARAGES. CONRAD M. CHANEY, Washington, D. C.
Filed November 10, 1925. Serial No. 223,080. PUBLISHED FEBRUARY 2, 1926.

212,073. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. PACKARD MOTOR CAR COMPANY, Detroit, Mich.
Filed November 9, 1925. Serial No. 223,049. PUBLISHED FEBRUARY 2, 1926.

212,074. COAL. ALEXANDER MCINTYRE, Jasper, Ala.
Filed November 9, 1925. Serial No. 223,046. PUBLISHED JANUARY 12, 1926.

212,075. CONSTRUCTION MATERIALS. THE MARBLEOID COMPANY, New York, N. Y.
Filed November 6, 1925. Serial No. 222,933. PUBLISHED FEBRUARY 2, 1926.

212,076. COAL. THE LORAIN COAL AND DOCK COMPANY, Columbus, Ohio.
Filed November 5, 1925. Serial No. 222,855. PUBLISHED JANUARY 12, 1926.

212,077. ORNAMENTAL ARCHITECTURAL FIGURES AND ORNAMENTS MADE OF STONE OR STONE COMPOSITION OR OF PLASTER OR PLASTER COMPOSITION. KRAUS KASTONE PRODUCTS CORPORATION, New York, N. Y.
Filed November 3, 1925. Serial No. 222,749. PUBLISHED JANUARY 26, 1926.

212,078. POWDERED GLASS, BEADS WITHOUT HOLES, AND CRYSTALLINE BEADS. DRITZ-TRAUM CO., New York, N. Y.
Filed October 30, 1925. Serial No. 222,564. PUBLISHED FEBRUARY 2, 1926.

212,079. LUMBER OF ALL KINDS USED FOR PANELS AND DOORS. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif.
Filed October 30, 1925. Serial No. 222,561. PUBLISHED FEBRUARY 2, 1926.

212,080. LUMBER OF ALL KINDS USED FOR PANELS AND DOORS. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif.
Filed October 30, 1925. Serial No. 222,560. PUBLISHED FEBRUARY 2, 1926.

212,081. COTTON, SILK, AND ARTIFICIAL-SILK FABRICS. EDWIN WASSER, INC., New York, N. Y.
Filed October 22, 1925. Serial No. 222,149. PUBLISHED FEBRUARY 2, 1926.

212,082. ARTIFICIAL SLATES, SLABS, PLAIN OR WAVED. LÉON SCHEERDERS VAN KERCHOVE, St. Nicolas, Belgium.
Filed October 20, 1925. Serial No. 222,053. PUBLISHED JANUARY 12, 1926.

212,083. FIRE-RESISTING POWDERED MATERIAL FOR USE AS A LINING FOR FURNACES, CUPOLAS, CONVERTERS, STEEL PANS, AND THE LIKE. THE ALPHA-LUX COMPANY, INC., New York, N. Y.
Filed October 20, 1925. Serial No. 221,996. PUBLISHED JANUARY 12, 1926.

212,084. COMBINED AIR HEATING AND CIRCULATING DEVICE. AMERICAN BLOWER COMPANY, Detroit, Mich.
Filed June 12, 1925. Serial No. 215,674. PUBLISHED JANUARY 12, 1926.

212,085. ORNAMENTAL PLANTS, TREES, AND FLOWERS. REASONER BROTHERS' ROYAL PALM NURSERIES, Oneco, Fla.
Filed May 28, 1925. Serial No. 215,023. PUBLISHED JANUARY 19, 1926.

212,086. WOVEN COTTON PADDING FOR LAUNDRY-MACHINERY ROLLS. TINGUE, BROWN & CO., New York, N. Y.
Filed April 3, 1925. Serial No. 212,161. PUBLISHED FEBRUARY 16, 1926.

212,087. WOOL CLOTH IN THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed March 20, 1925. Serial No. 211,390. PUBLISHED FEBRUARY 16, 1926.

212,088. BARLEY. KEEN, ROBINSON & COMPANY LIMITED, London, England.
Filed February 25, 1925. Serial No. 210,125. PUBLISHED FEBRUARY 9, 1926.

212,089. DISINFECTANT OR DEODORANT COMPOUND. JANITORS' SUPPLY HOUSE, INC., Baltimore, Md.
Filed February 18, 1925. Serial No. 209,793. PUBLISHED FEBRUARY 9, 1926.

212,090. SEEDS, BULBS, AND PLANTS. H. W. BUCKBEE ROCKFORD SEED FARMS FOREST CITY GREENHOUSES, Rockford, Ill.
Filed January 28, 1925. Serial No. 208,742. PUBLISHED FEBRUARY 2, 1926.

212,091. PAPER STRAWS. THE STONE STRAW COMPANY, Washington, D. C.
Filed September 14, 1921. Serial No. 152,937. PUBLISHED JANUARY 26, 1926.

212,092. MIXING ARM AND COMBUSTION NOZZLE FOR GAS STOVES AND FURNACES. LOUIS H. GEURINK, East Cleveland, Ohio.
Filed October 31, 1923. Serial No. 187,738. PUBLISHED JANUARY 19, 1926.

212,093. MISSES' AND LADIES' ONE-PIECE DRESSES. CHIC-KNIT DISTRIBUTING CO., Leesport, Pa.
Filed November 13, 1924. Serial No. 205,196. PUBLISHED FEBRUARY 9, 1926.

212,094. LEAD, SOLDER, AND BABBITT, AND METALS, AND METAL ALLOYS IN INGOTS, BARS, PIGS, FORGINGS, AND CASTINGS IN THE ROUGH. AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif.
Filed January 6, 1926. Serial No. 225,542. PUBLISHED FEBRUARY 16, 1926.

212,095. MILD STEEL, IRON, AND HIGH-CARBON WELDING RODS. STOODY COMPANY, Whittier, Calif.
Filed January 5, 1926. Serial No. 225,530. PUBLISHED FEBRUARY 16, 1926.

212,096. IRON. KLOSTER STEEL CORPORATION, Chicago, Ill.
Filed October 26, 1925. Serial No. 222,326. PUBLISHED FEBRUARY 9, 1926.

212,097. COAL, CARBONIZED FUEL, AND COKE. THE J. P. BURTON COAL COMPANY, Cleveland, Ohio.
Filed October 21, 1925. Serial No. 222,062. PUBLISHED JANUARY 19, 1926.

212,098. CRACKERS. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed October 20, 1925. Serial No. 222,043. PUBLISHED FEBRUARY 9, 1926.

212,099. AUTOMOBILE VENTILATORS. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill.
Filed October 15, 1925. Serial No. 221,733. PUBLISHED FEBRUARY 2, 1926.

212,100. DEFLECTOR SHIELD FOR AUTOMOBILE HEADLIGHTS. THE NOFLAT COMPANY, INC., New York, N. Y.
Filed October 10, 1925. Serial No. 221,560. PUBLISHED JANUARY 19, 1926.

212,101. RECEPTACLES USED IN SHIPPING GOODS, WARES, AND MERCHANDISE AND PROVIDED WITH CASTERS, WHEELS, OR ROLLERS. PERIN-WALSH COMPANY, Roxbury, Boston, Mass.
Filed September 22, 1925. Serial No. 220,617. PUBLISHED DECEMBER 29, 1925.

212,102. FRINGES, BRAIDS, GALLOONS, CORDS, TASSELS, EDGINGS, NARROW WEBBING, AND ROSETTES. E. L. MANSURE COMPANY, Chicago, Ill.
Filed September 8, 1925. Serial No. 219,974. PUBLISHED FEBRUARY 9, 1926.

212,103. CORRUGATED METAL SHEETS AND PLAIN METAL SHEETS. NEWPORT ROLLING MILL CO., Newport, Ky.
Filed August 25, 1925. Serial No. 219,344. PUBLISHED FEBRUARY 9, 1926.

212,104. MASSAGE DEVICE. THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y.
Filed August 15, 1925. Serial No. 218,936. PUBLISHED FEBRUARY 9, 1926.

212,105. CERTAIN NAMED FABRICS. COHN-HALL-MARX CO., New York, N. Y.
Filed July 21, 1925. Serial No. 217,660. PUBLISHED FEBRUARY 16, 1926.

212,106. TABLETS OF FERTILIZING MATERIAL. INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y.
Filed December 21, 1925. Serial No. 224,972. PUBLISHED FEBRUARY 2, 1926.

212,107. ALLOY OF METALS. THE DUNHAM COMPANY, Berea, Ohio.
Filed December 21, 1925. Serial No. 224,961. PUBLISHED FEBRUARY 16, 1926.

212,108. ARTIFICIAL TEETH. IDEAL TOOTH INCORPORATED, Cambridge, Mass.
Filed December 19, 1925. Serial No. 224,914. PUBLISHED FEBRUARY 2, 1926.

212,109. SHORT LENGTHS OF COTTON, SILK, WOOLEN, OR MIXED MATERIALS. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed December 8, 1925. Serial No. 224,374. PUBLISHED FEBRUARY 9, 1926.

212,110. VARICOSE STOCKINGS. ERNEST RAT, Lyon, France.
Filed November 30, 1925. Serial No. 224,049. PUBLISHED FEBRUARY 2, 1926.

212,111. CRACKERS. THE FELDER BISCUIT COMPANY, Columbus, Ohio.
Filed November 30, 1925. Serial No. 224,005. PUBLISHED FEBRUARY 9, 1926.

212,112. HAIRDRESSINGS. GARRY & COMPANY, INC., New York, N. Y.
Filed November 28, 1925. Serial No. 223,959. PUBLISHED FEBRUARY 9, 1926.

212,113. BUTTER. GEORGE SOMMER, Doylestown, Pa.
Filed November 21, 1925. Serial No. 223,665. PUBLISHED FEBRUARY 9, 1926.

212,114. ELECTROTHERAPEUTIC OUTFITS AND CABINETS. A. S. ALOE CO., St. Louis, Mo.
Filed November 16, 1925. Serial No. 223,358. PUBLISHED FEBRUARY 9, 1926.

212,115. ART PLAQUES AND STATUARY. THE MARBLEOID COMPANY, New York, N. Y.
Filed November 6, 1925. Serial No. 222,932. PUBLISHED FEBRUARY 2, 1926.

212,116. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed October 27, 1925. Serial No. 222,415. PUBLISHED FEBRUARY 2, 1926.

212,117. POTATO FLAKES. EDWARD J. METZ, Reading, Pa.
Filed October 27, 1925. Serial No. 222,389. PUBLISHED FEBRUARY 16, 1926.

212,118. KEYHOLE LOCKS. SENTRY KEYHOLE LOCK COMPANY, San Francisco, Calif.
Filed October 26, 1925. Serial No. 222,345. PUBLISHED FEBRUARY 2, 1926.

212,119. SELF-HARDENING ALLOY-STEEL WELDING RODS. STOODY COMPANY, Whittier, Calif.
Filed January 5, 1926. Serial No. 225,529. PUBLISHED FEBRUARY 16, 1926.

212,120. ARCH SUPPORTS. THE ANKLARCH COMPANY, INC., Lexington, Ky.
Filed January 2, 1926. Serial No. 225,393. PUBLISHED FEBRUARY 16, 1926.

212,121. BEDPANS, URINALS, BASINS, AND IRRIGATORS. REED MANUFACTURING CO., Newark, N. Y.
Filed December 29, 1925. Serial No. 225,283. PUBLISHED FEBRUARY 16, 1926.

212,122. CASTINGS, ALSO ROLLED AND HAMMERED BARS AND FORGINGS OF CARBON AND ALLOY STEELS. JOHN C. MCGUIRE, Detroit, Mich.
Filed December 24, 1925. Serial No. 225,128. PUBLISHED FEBRUARY 16, 1926.

212,123. LEAD, SOLDER, AND BABBITT, AND METALS AND METAL ALLOYS IN INGOTS, BARS, PIGS, FORGINGS, AND CASTINGS IN THE ROUGH. AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif.
Filed January 6, 1926. Serial No. 225,544. PUBLISHED FEBRUARY 16, 1926.

212,124. RUBBER SOLES AND BOTTOMS FOR SHOES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed December 23, 1925. Serial No. 225,084. PUBLISHED FEBRUARY 9, 1926.

212,125. BOOTS AND SHOES MADE OF LEATHER, FABRICS, OR COMBINATIONS THEREOF. J. W. CARTER COMPANY, doing business as Service Shoe Co., Nashville, Tenn.
Filed December 24, 1925. Serial No. 225,110. PUBLISHED FEBRUARY 9, 1926.

212,126. AMMONIA. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,402. PUBLISHED FEBRUARY 9, 1926.

212,127. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC SHOES. HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo.
Filed December 26, 1925. Serial No. 225,185. PUBLISHED FEBRUARY 9, 1926.

212,128. LUBRICATING OIL AND SLAB OIL FOR CONFECTIONERS' USE. UNDERHAY OIL CO., Boston, Mass.
Filed December 17, 1925. Serial No. 224,847. PUBLISHED FEBRUARY 16, 1926.

212,129. MOTOR-LUBRICATING OILS. DEARBORN CHEMICAL COMPANY, Chicago, Ill.
Filed December 19, 1925. Serial No. 224,906. PUBLISHED FEBRUARY 16, 1926.

212,130. CIGARETTE PAPERS. GEORGE KAZES, Sioux City, Iowa.
Filed December 28, 1925. Serial No. 225,228. PUBLISHED FEBRUARY 16, 1926.

212,131. SILK FABRIC. SAMUEL N. MAGILL, INC., Philadelphia, Pa.
Filed December 31, 1925. Serial No. 225,367. PUBLISHED FEBRUARY 9, 1926.

212,132. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed June 30, 1924. Serial No. 199,374. PUBLISHED FEBRUARY 9, 1926.

212,133. CONDENSERS USED IN ELECTRICAL APPARATUS, AND PARTICULARLY RADIO OUTFITS. HAIG & HAIG MFG. CO. INC., Rochester, N. Y.
Filed October 21, 1924. Serial No. 204,231. PUBLISHED FEBRUARY 2, 1926.

212,134. GENERATORS, PRODUCERS, AND FURNACES FOR MAKING GAS. COMBUSTION UTILITIES CORPORATION, New York, N. Y.
Filed November 12, 1924. Serial No. 205,151. PUBLISHED JANUARY 12, 1926.

212,135. GENERATORS, PRODUCERS, AND FURNACES FOR MAKING GAS. COMBUSTION UTILITIES CORPORATION, New York, N. Y.
Filed November 12, 1924. Serial No. 205,152. PUBLISHED JANUARY 12, 1926.

212,136. TARTAR SAUCE, MAYONNAISE DRESSING, AND THOUSAND ISLAND DRESSING. THE MAY DEPARTMENT STORES COMPANY, doing business as Famous-Barr Co., St. Louis, Mo.
Filed November 19, 1924. Serial No. 205,540. PUBLISHED FEBRUARY 9, 1926.

212,137. HAIRDRESSING. CERTIFIED PRODUCTS COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,653. PUBLISHED FEBRUARY 9, 1926.

212,138. PERFUME. HOUBIGANT, INC., New York, N. Y.
Filed March 5, 1925. Serial No. 210,556. PUBLISHED FEBRUARY 9, 1926.

212,139. ARTIFICIAL CANDLES AND LIGHTING FIXTURES OTHER THAN ELECTRICAL. MATTHEW R. BIRK, New York, N. Y.
Filed July 29, 1925. Serial No. 218,040. PUBLISHED JANUARY 26, 1926.

212,140. MANICURE PREPARATIONS—NAMELY, LIQUID NAIL POLISH, CUTICLE REMOVER, NAIL POLISH IN POWDER FORM, NAIL POMADE, NAIL POLISH IN CAKE FORM, NAIL POLISH IN PASTE FORM, POWDER FOR CLEANING NAILS, AND NAIL POLISH. DR. M. ALBERSHEIM, Frankfort-on-the-Main, Germany.
Filed August 15, 1925. Serial No. 218,889. PUBLISHED FEBRUARY 9, 1926.

212,141. WOODEN BEEKEEPERS' SUPPLIES—NAMELY, HIVE COVERS, HIVES, BOTTOMS, BODIES, SUPERS, AND FRAMES. G. B. LEWIS COMPANY, Watertown, Wis.
Filed August 15, 1925. Serial No. 218,924. PUBLISHED FEBRUARY 9, 1926.

212,142. STATION HEATERS, FURNACES, BURNERS, BOILERS, AND WATER HEATERS FOR THE CONSUMPTION OF COAL OR LIQUID HYDROCARBONS, OR BOTH. BREESE ENGINEERING CORPORATION, Chicago, Ill.
Filed August 21, 1925. Serial No. 219,166. PUBLISHED JANUARY 12, 1926.

212,143. HATS FOR WOMEN AND CHILDREN. THE MABLEY AND CAREW CO., Cincinnati, Ohio.
Filed September 3, 1925. Serial No. 219,750. PUBLISHED FEBRUARY 9, 1926.

212,144. ROOFING CEMENT. G. W. KEENAN, INC., Brooklyn, N. Y.
Filed September 22, 1925. Serial No. 220,610. PUBLISHED JANUARY 12, 1926.

212,145. INCUBATORS AND BROODERS. CHARTERS MANUFACTURING CO., Santa Cruz, Calif.
Filed September 24, 1925. Serial No. 220,701. PUBLISHED JANUARY 26, 1926.

212,146. AUTOMOBILE AND FURNITURE POLISH. D. E. BENJAMIN, doing business as Deb Products Co., Chicago, Ill.
Filed June 22, 1925. Serial No. 216,137. PUBLISHED JANUARY 12, 1926.

212,147. ASBESTOS FIBER FOR LAGGING, ASBESTOS COVERING FOR BOILERS, PIPES, AND THE LIKE. THE BELDAM PACKING & RUBBER COMPANY LIMITED, London, England.
Filed June 18, 1925. Serial No. 215,963. PUBLISHED JANUARY 19, 1926.

212,148. RAW AND DRESSED SKINS AND PELTS TREATED TO RESEMBLE BEAVER. ATTILIO PIRAINI, doing business as Great Northern Fur Dyeing and Dressing Company, Springfield Gardens, N. Y.
Filed April 20, 1925. Serial No. 213,042. PUBLISHED NOVEMBER 17, 1925.

212,149. GOLF BALLS. DAVEGA, INC., New York, N. Y.
Filed February 25, 1925. Serial No. 210,116. PUBLISHED FEBRUARY 16, 1926.

212,150. FISH BAIT. KINGFISHER JOHNSON, Fairbury, Nebr.
Filed December 8, 1924. Serial No. 206,410. PUBLISHED FEBRUARY 16, 1926.

212,151. LUMBER. S. E. LYONS LUMBER COMPANY, Shreveport, La.
Filed December 4, 1924. Serial No. 206,246. PUBLISHED JANUARY 26, 1926.

212,152. PLASTER. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y.
Filed November 24, 1924. Serial No. 205,731. PUBLISHED FEBRUARY 2, 1926.

212,153. MEN'S OVERCOATS AND SACK COATS. THE STEIN-BLOCH CO., Rochester, N. Y.
Filed November 19, 1924. Serial No. 205,566. PUBLISHED JANUARY 26, 1926.

212,154. HEAT-INSULATING MATERIALS FOR BUILDINGS, COMPOSED MAINLY OF HAIR FELT. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed November 18, 1924. Serial No. 205,483. PUBLISHED JANUARY 19, 1926.

212,155. AUTOMOBILE AND FURNITURE POLISH. GEO. H. IRVINE, doing business as Sno-Flake Products Company, Detroit, Mich.
Filed October 13, 1924. Serial No. 203,821. PUBLISHED JANUARY 19, 1926.

212,156. AUTO AND FURNITURE POLISH. BELA WEISS, doing business as B. Weiss, Laboratories, Detroit, Mich.,
Filed December 28, 1923. Serial No. 190,221. PUBLISHED JANUARY 12, 1926.

212,157. CARBURIZING COMPOUND. SECURITY MANUFACTURING COMPANY, Los Angeles, Calif.
Filed December 8, 1925. Serial No. 224,426. PUBLISHED FEBRUARY 9, 1926.

212,158. COMPOUND FOR TREATING PYORRHEA. BEDWELL & HAMILTON, Wenatchee, Wash.
Filed December 9, 1925. Serial No. 224,448. PUBLISHED FEBRUARY 9, 1926.

212,159. LAXATIVE COMPOUND. MAGDA LABORATORIES, Memphis, Tenn.
Filed December 9, 1925. Serial No. 224,466. PUBLISHED FEBRUARY 9, 1926.

212,160. LIQUID ROUGE FOR FACE AND LIPS. CLARENCE D. REYNOLDS, Whittier, Calif.
Filed December 9, 1925. Serial No. 224,473. PUBLISHED FEBRUARY 9, 1926.

212,161. PHARMACEUTICAL PREPARATION IN THE FORM OF A TABLET FOR RELIEF OF PAIN. THE BARBASOL COMPANY, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind.
Filed December 10, 1925. Serial No. 224,494. PUBLISHED FEBRUARY 9, 1926.

212,162. MEDICINAL PREPARATION FOR USE AS A GARGLE, ALSO FOR EXTERNAL APPLICATION FOR THE RELIEF OF PNEUMONIA, BRONCHITIS, NEURITIS, PAINS, CERTAIN FORMS OF EXHAUSTION, AND INFLAMMATION, AND ALSO A SPECIFIC FOR WHOOPING COUGH. WILLIAM A. PURINGTON, doing business as W. A. Purington & Co., Dover-Foxcroft, Me.
Filed December 10, 1925. Serial No. 224,531. PUBLISHED FEBRUARY 9, 1926.

212,163. BODY DEODORANT. ARNOLD J. SCHELE, Cle Elum, Wash.
Filed December 10, 1925. Serial No. 224,534. PUBLISHED FEBRUARY 9, 1926.

212,164. FACE POWDERS, FACE PACKS, FACE CREAMS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, LIP STICKS, EYEBROW PENCILS, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. OTTO J. COHEN, New York, N. Y.
Filed December 12, 1925. Serial No. 224,595. PUBLISHED FEBRUARY 9, 1926.

212,165. MEN'S HATS. CARADINE HAT COMPANY, St. Louis, Mo.
Filed December 19, 1925. Serial No. 224,902. PUBLISHED FEBRUARY 9, 1926.

212,166. LEATHER, FELT, AND CANVAS AND COMBINATIONS OF LEATHER, FELT, AND CANVAS SHOES. KALB SHOE MFG. CO., INC., Rochester, N. Y.
Filed December 19, 1925. Serial No. 224,916. PUBLISHED FEBRUARY 9, 1926.

212,167. BICYCLES. SHELBY CYCLE COMPANY, Shelby, Ohio.
Filed December 19, 1925. Serial No. 224,934. PUBLISHED FEBRUARY 2, 1926.

212,168. POTATOES (RAW, TABLE, AND SEED). COLORADO POTATO GROWER'S EXCHANGE, Denver, Colo.
Filed October 8, 1925. Serial No. 221,409. PUBLISHED FEBRUARY 9, 1926.

212,169. FRESH AND CURED FISH. NATIONAL FISH CO. LTD., Halifax, Nova Scotia, Canada.
Filed August 17, 1925. Serial No. 218,988. PUBLISHED FEBRUARY 16, 1926.

212,170. CANNED FRUITS AND VEGETABLES, CANNED FISH; PACKAGE CEREALS—NAMELY, BUCKWHEAT GROATS AND BARLEY AND WHEAT CEREALS; COFFEE AND TEA, WHEAT AND PASTRY FLOUR, SPICES, EDIBLE VEGETABLE OILS AND SALAD OILS, AND MATZO MEAL. M. WINER & CO., Boston, Mass.
Filed August 18, 1925. Serial No. 219,051. PUBLISHED FEBRUARY 9, 1926.

212,171. LENS USED IN CONNECTION WITH AUTOMOBILE LAMPS. INDIANA LAMP CORPORATION, Connersville, Ind.
Filed August 24, 1925. Serial No. 219,280. PUBLISHED FEBRUARY 16, 1926.

212,172. PRINCESS AND COSTUME SLIPS, BOUDOIR CAPS, BRASSIÈRES AND GARTERS FOR WOMEN AND CHILDREN. WURDEMAN TEXTILE MILLS, INC., Fort Plain, N. Y.
Filed August 26, 1925. Serial No. 219,416. PUBLISHED FEBRUARY 16, 1926.

212,173. CHOCOLATE CONFECTIONERY FOR EATING, DRINKING, AND COOKING. W. J. BOON & COMPANY, Wormerveer, Netherlands.
Filed August 29, 1925. Serial No. 219,525. PUBLISHED FEBRUARY 9, 1926.

212,174. CANDY. WILLIAM ALBERT FOSTER, Jr., doing business as University Candy Co., Milwaukee, Wis.
Filed August 31, 1925. Serial No. 219,584. PUBLISHED FEBRUARY 9, 1926.

212,175. DEVICES FOR DETERMINING THE ELASTIC AND OTHER PROPERTIES OF DOUGH AND OTHER MATERIALS. SOCIETE D'EXPLOITATION DE BREVETS ET D'APPLICATIONS INDUSTRIELLES, Nancy, France.
Filed October 8, 1925. Serial No. 221,458. PUBLISHED FEBRUARY 9, 1926.

212,176. POWER CULTIVATOR. THE FRANK HELD TRACTOR CO., Columbus, Ohio.
Filed October 19, 1925. Serial No. 221,960. PUBLISHED FEBRUARY 9, 1926.

212,177. CANDIES. FLORENCE M. KRANZ, doing business as John Kranz, Chicago, Ill.
Filed October 21, 1925. Serial No. 222,076. PUBLISHED FEBRUARY 9, 1926.

212,178. FOLDING RULES. LUFKIN RULE CO., Saginaw, Mich.
Filed October 24, 1925. Serial No. 222,262. PUBLISHED FEBRUARY 9, 1926.

212,179. ALUMINOUS CRYSTALLIZED ABRASIVE IN THE RAW STATE. SOCIÉTÉ DES FORCES MOTRICES DE LA VALLEE D'ASPE, Paris, France.
Filed October 26, 1925. Serial No. 222,348. PUBLISHED JANUARY 12, 1926.

212,180. CERTAIN NAMED PIECE GOODS. LESHER, WHITMAN & CO., INC., New York, N. Y.
Filed October 28, 1925. Serial No. 222,467. PUBLISHED FEBRUARY 9, 1926.

212,181. LADIES' AND CHILDREN'S BLOOMERS, PRINCESS SLIPS, NIGHTGOWNS, STEP-INS, PYJAMAS, PANTELETS, AND CHEMISES. AMERICAN MAID COMPANY, Chicago, Ill.
Filed October 29, 1925. Serial No. 222,491. PUBLISHED FEBRUARY 9, 1926.

212,182. PRIMER, SURFACER, GLAZING PUTTY, LACQUER ENAMEL, LACQUER GROUND, LACQUER-ENAMEL THINNER, LACQUER POLISH, CLEAR LACQUER, LACQUER THINNER, BRONZING LIQUID, AND PYROXYLIN OR NITROCELLULOSE COATINGS. PRATT & LAMBERT, INC., Buffalo, N. Y.
Filed October 31, 1925. Serial No. 222,632. PUBLISHED FEBRUARY 2, 1926.

212,183. FLOOR TILES, WALL TILES, DECORATIVE CONSTRUCTION TILES, TILES FOR INDUSTRIAL CONSTRUCTION, TILE DOOR FRAMES, AND TILE KNOWN AS CERAMICS. THE C. PARDEE WORKS, Perth Amboy, N. J., and Philadelphia, Pa.
Filed November 4, 1925. Serial No. 222,793. PUBLISHED JANUARY 19, 1926.

212,184. PLASTERERS' HAWKS. SAND'S LEVEL & TOOL CO., Detroit, Mich.
Filed November 6, 1925. Serial No. 222,946. PUBLISHED FEBRUARY 9, 1926.

212,185. FILTER-MEDIA OILS. SPRAY ENGINEERING COMPANY, Boston, Mass.
Filed November 6, 1925. Serial No. 222,963. PUBLISHED JANUARY 19, 1926.

212,186. TALC, A DRY PAINT. THIS IS A PECULIAR QUALITY OF TALC PARTICULARLY SUITABLE FOR THE PAINT TRADE AS AN EXTENDER OR INERT MATERIAL. GENERAL TRADING CORPORATION, San Francisco, Calif.
Filed November 7, 1925. Serial No. 222,981. PUBLISHED JANUARY 26, 1926.

212,187. GASOLINE, KEROSENE, LUBRICATING OIL, AND GREASES. THE CONTINENTAL OIL COMPANY, Denver, Colo.
Filed November 10, 1925. Serial No. 223,083. PUBLISHED JANUARY 12, 1926.

212,188. TRUNKS, BAGS, AND SUITCASES. INDEPENDENT TRUNK & BAG CO., Petersburg, Va.
Filed November 10, 1925. Serial No. 223,092. PUBLISHED FEBRUARY 9, 1926.

212,189. FOOD-FLAVORING EXTRACTS AND EMULSIONS, FRUIT AND SWEETENING SIRUPS FOR FOOD-FLAVORING PURPOSES, PIE FILLINGS, CAKE ICINGS, PASTRY PASTES, FOOD-FLAVORING OILS, CRUSHED FRUITS, COCOA, CHOCOLATE POWDER, AND FOOD GELATINS. HARTUNG BROTHERS, New York, N. Y.
Filed November 12, 1925. Serial No. 223,170. PUBLISHED FEBRUARY 9, 1926.

212,190. LUBRICATING OILS. RIGO MANUFACTURING COMPANY, doing business as Rigo Chemical Co., Nashville, Tenn.
Filed November 12, 1925. Serial No. 223,190. PUBLISHED JANUARY 19, 1926.

212,191. LARD, SHORTENING COMPOSED OF VEGETABLE OILS AND ANIMAL FATS, AND SAUSAGE. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed November 13, 1925. Serial No. 223,251. PUBLISHED FEBRUARY 9, 1926.

212,192. GARMENTS—NAMELY, MEN'S AND CHILDREN'S OVERALLS, COMBINATION SUITS, COATS, AND PANTS. PHILIP A. LEAF, doing business as Leaf & Company, Chicago, Ill.
Filed November 16, 1925. Serial No. 223,392. PUBLISHED FEBRUARY 9, 1926.

212,193. WAX AND LIQUID POLISH FOR FLOORS, FURNITURE, AND WOODWORK AND AUTOMOBILES. PEERLESS PRODUCTS CO., Los Angeles, Calif.
Filed November 16, 1925. Serial No. 223,403. PUBLISHED JANUARY 26, 1926.

212,194. PAINT ENAMEL. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed September 8, 1925. Serial No. 219,963. PUBLISHED JANUARY 26, 1926.

212,195. MATCHES. ELOF HANSSON, Gottenborg, Sweden.
Filed September 14, 1925. Serial No. 220,229. PUBLISHED FEBRUARY 9, 1926.

212,196. WORK CLOTHING—NAMELY, WORK SHIRTS, WORK PANTS, OVERALLS, ONE-PIECE WORK SUITS; PLAY SUITS, AND KHAKI PANTS, JACKETS, AND COATS. WYMAN, PARTRIDGE & CO., Minneapolis, Minn.
Filed September 17, 1925. Serial No. 220,383. PUBLISHED FEBRUARY 2, 1926.

212,197. PASTRY AND CONFECTION DESIGNERS. WILLIAM J. RYAN, Chicago, Ill.
Filed September 19, 1925. Serial No. 220,474. PUBLISHED FEBRUARY 9, 1926.

212,198. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed September 21, 1925. Serial No. 220,545. PUBLISHED FEBRUARY 9, 1926.

212,199. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed September 21, 1925. Serial No. 220,546. PUBLISHED FEBRUARY 9, 1926.

212,200. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, FRESH VEGETABLES; MELONS—NAMELY, FRESH CANTALOUPES. EARL FRUIT COMPANY, San Francisco, Calif.
Filed September 23, 1925. Serial No. 220,647. PUBLISHED FEBRUARY 9, 1926.

212,201. VARNISH AND PAINT ENAMEL PRODUCTS. KREUTER-FAASEN CO., Grand Rapids, Mich.
Filed September 24, 1925. Serial No. 220,730. PUBLISHED JANUARY 26, 1926.

212,202. RICE. ROBERT E. PUTNAM, New Iberia, La.
Filed September 26, 1925. Serial No. 220,867. PUBLISHED FEBRUARY 9, 1926.

212,203. CERTAIN NAMED PIECE GOODS. GOODALL WORSTED CO., Sanford, Me., and New York, N. Y.
Filed September 28, 1925. Serial No. 220,896. PUBLISHED FEBRUARY 9, 1926.

212,204. CERTAIN KNITTED FABRIC. ALCONE KNITTING MILLS, San Francisco, Calif.
Filed October 6, 1925. Serial No. 221,299. PUBLISHED FEBRUARY 9, 1926.

212,205. TEA, COCOA, RICE, TAPIOCA; CANNED CORN, PEAS, AND TOMATOES; SIRUP CONSISTING OF A MIXTURE OF CORN SIRUP AND REFINERS' SIRUP, CANNED BEANS AND PORK, PEANUT BUTTER, CATCHUP, MAYONNAISE, ROLLED OATS, AND CORN FLAKES. DAVIES-STRAUSS-STAUFFER COMPANY, Easton, Pa.
Filed October 7, 1925. Serial No. 221,354. PUBLISHED FEBRUARY 9, 1926.

212,206. POTATOES (RAW, TABLE, AND SEED). COLORADO POTATO GROWER'S EXCHANGE, Denver, Colo.
Filed October 8, 1925. Serial No. 221,408. PUBLISHED FEBRUARY 9, 1926.

212,207. MACARONI AND COTTONSEED OIL. B. FILIPPONE & CO., Passaic, N. J.
Filed December 15, 1925. Serial No. 224,701. PUBLISHED FEBRUARY 9, 1926.

212,208. READY-CUT MACARONI. KANSAS CITY MACARONI & IMPORTING CO., doing business as American Beauty Macaroni Co., Kansas City, Mo.
Filed December 15, 1925. Serial No. 224,711. PUBLISHED FEBRUARY 9, 1926.

212,209. COTTON GOODS IN THE PIECE. STANDARD CLOTH COMPANY, INC., New York, N. Y.
Filed December 15, 1925. Serial No. 224,732. PUBLISHED FEBRUARY 9, 1926.

212,210. LUBRICATING OILS AND GREASES, GASOLINE, AND KEROSENE. STATES OIL COMPANY, Louisville, Ky.
Filed December 15, 1925. Serial No. 224,733. PUBLISHED FEBRUARY 9, 1926.

212,211. AMMUNITION. UNITED STATES CARTRIDGE COMPANY, New York, N. Y.
Filed December 16, 1925. Serial No. 224,791. PUBLISHED FEBRUARY 9, 1926.

212,212. BALL BEARINGS, ROLLER BEARINGS, RINGS, RETAINERS, WASHERS, CAGES, SEPARATORS, HOUSINGS, BOXES, SUPPORTS, CASINGS, CLOSURES, FASTENING DEVICES FOR BALL AND ROLLER BEARINGS, BALLS AND ROLLERS FOR BEARINGS, CLUTCHES, PULLEYS, AND TEXTILE SPINDLES. THE SKAYEF BALL BEARING COMPANY, Hartford, Conn.
Filed December 17, 1925. Serial No. 224,833. PUBLISHED FEBRUARY 9, 1926.

212,213. MALT EXTRACTS AND LIQUORS—NAMELY, OLD GERMAN LAGER BEER. HARRY D. STRATTON, San Francisco, Calif.
Filed November 17, 1925. Serial No. 223,451. PUBLISHED FEBRUARY 16, 1926.

212,214. HOSIERY. DEERDEN HOSIERY MILLS, INC., Philadelphia, Pa.
Filed December 12, 1925. Serial No. 224,600. PUBLISHED FEBRUARY 9, 1926.

212,215. BABIES' RUBBER PANTS OR BLOOMERS. PARKER, STEARNS & COMPANY, Brooklyn, N. Y.
Filed December 12, 1925. Serial No. 224,616. PUBLISHED FEBRUARY 9, 1926.

212,216. PRECUT BREAD. ADOLPH REISMAN, New York, N. Y.
Filed December 12, 1925. Serial No. 224,625. PUBLISHED FEBRUARY 9, 1926.

212,217. WHEAT FLOUR. SPERRY FLOUR COMPANY, San Francisco, Calif.
Filed December 12, 1925. Serial No. 224,628. PUBLISHED FEBRUARY 9, 1926.

212,218. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.
Filed January 9, 1926. Serial No. 225,693. PUBLISHED FEBRUARY 16, 1926.

212,219. COFFEE INFUSERS. TRICOLATOR COMPANY, INC., New York, N. Y.
Filed January 4, 1926. Serial No. 225,496. PUBLISHED FEBRUARY 16, 1926.

212,220. CULINARY, HOUSEHOLD, AND DAIRY UTENSILS MADE OF ENAMELED STEEL AND OTHER METAL. REED MANUFACTURING CO., Newark, N. Y.
Filed December 29, 1925. Serial No. 225,281. PUBLISHED FEBRUARY 16, 1926.

212,221. METAL CULINARY, HOUSEHOLD, AND DAIRY UTENSILS. REED MANUFACTURING CO., Newark, N. Y.
Filed December 29, 1925. Serial No. 225,279. PUBLISHED FEBRUARY 16, 1926.

212,222. BIAS-FOLD TAPES AND TRIMMINGS. WILLIAM E. WRIGHT AND SONS COMPANY, Orange, N. J.
Filed December 12, 1925. Serial No. 224,638. PUBLISHED FEBRUARY 16, 1926.

212,223. WHEAT FLOUR. NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as Ravenna Mills, Omaha, Nebr.
Filed December 12, 1925. Serial No. 224,614. PUBLISHED FEBRUARY 9, 1926.

212,224. MEN'S SUITS AND COATS. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed December 11, 1925. Serial No. 224,560. PUBLISHED FEBRUARY 9, 1926.

212,225. ROCK-SURFACED ASPHALT SHINGLES. PIONEER PAPER COMPANY, Los Angeles, Calif.
Filed December 7, 1925. Serial No. 224,357. PUBLISHED FEBRUARY 2, 1926.

212,226. COTTON AND COTTON AND SILK MIXTURE PIECE GOODS. H. R. KURTZ & CO. INC., New York, N. Y.
Filed December 7, 1925. Serial No. 224,339. PUBLISHED FEBRUARY 2, 1926.

212,227. SLEDS. VICTOR E. PEARSON, Chicago, Ill.
Filed December 5, 1925. Serial No. 224,291. PUBLISHED FEBRUARY 16, 1926.

212,228. FACE CREAM. FRANK RUSSO, Chicago, Ill.
Filed December 3, 1925. Serial No. 224,207. PUBLISHED FEBRUARY 16, 1926.

212,229. FLUID INK ERADICATOR. THE INK-OUT MANUFACTURING CO., INC., Montclair, N. J.
Filed December 2, 1925. Serial No. 224,092. PUBLISHED FEBRUARY 9, 1926.

212,230. SILK WASTE AND ARTIFICIAL-SILK WASTE. MARTIN NATHAN CO., INC., New York, N. Y.
Filed November 27, 1925. Serial No. 223,932. PUBLISHED FEBRUARY 2, 1926.

212,231. WOMEN'S UNDERGARMENTS OF TEXTILE FABRIC. ROSE HANSKAT, doing business as Rosehan Company, Chicago, Ill.
Filed November 27, 1925. Serial No. 223,916. PUBLISHED FEBRUARY 9, 1926.

212,232. PIPELESS FURNACES. BABSON BROTHERS, Chicago, Ill.
Filed November 27, 1925. Serial No. 223,885. PUBLISHED JANUARY 26, 1926.

212,233. SEEDS. JOHN F. O'KEEFE, doing business as Lowe Ranch, Cupertino, Calif.
Filed November 24, 1925. Serial No. 223,800. PUBLISHED JANUARY 19, 1926.

212,234. SAND AND GRAVEL. UNION SAND & GRAVEL CO., Huntington, W. Va.
Filed November 23, 1925. Serial No. 223,753. PUBLISHED JANUARY 19, 1926.

212,235. HAT-SIZE REDUCERS FOR LADIES' HATS. DE LEON BANDEAU CO., St. Louis, Mo.
Filed November 23, 1925. Serial No. 223,692. PUBLISHED FEBRUARY 2, 1926.

212,236. VEHICLE HUB CAPS. CHRYSLER SALES CORPORATION, Detroit, Mich.
Filed November 23, 1925. Serial No. 223,686. PUBLISHED JANUARY 19, 1926.

212,237. FRINGES AND ART NEEDLEWORK CONSISTING OF STAMPED LINENS AND COTTONS. POWERS, FRIEND & LICHTMAN, New York, N. Y.
Filed November 20, 1925. Serial No. 223,602. PUBLISHED FEBRUARY 2, 1926.

212,238. FRINGES AND ART NEEDLEWORK CONSISTING OF STAMPED LINENS AND COTTONS. POWERS, FRIEND & LICHTMAN, New York, N. Y.
Filed November 20, 1925. Serial No. 223,601. PUBLISHED FEBRUARY 2, 1926.

212,239. ROSIN. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed November 14, 1925. Serial No. 223,328. PUBLISHED JANUARY 19, 1926.

212,240. REFRACTORY CEMENTS. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed November 14, 1925. Serial No. 223,284. PUBLISHED JANUARY 19, 1926.

212,241. PLASTIC COMPOSITION FOR USE IN MAKING AND REPAIRING DENTAL PLATES AND THE LIKE. HICK, HICK & BANNATYNE, Brentwood, England.
Filed October 17, 1925. Serial No. 221,896. PUBLISHED JANUARY 12, 1926.

212,242. FERTILIZER. NITRATE AGENCIES COMPANY, New York, N. Y.
Filed October 24, 1925. Serial No. 222,273. PUBLISHED FEBRUARY 9, 1926.

212,243. CONFECTION MADE FROM POP CORN, COCONUT, AND SIRUP. EDGAR W. HUNT, doing business as E. W. Hunt Candy Co., Framingham, Mass.
Filed October 30, 1925. Serial No. 222,568. PUBLISHED FEBRUARY 16, 1926.

212,244. BITUMINOUS COAL. THE M. A. HANNA COAL & DOCK COMPANY, St. Paul, Minn.
Filed October 7, 1925. Serial No. 221,367. PUBLISHED JANUARY 19, 1926.

212,245. GRASS SEEDS. THE ALBERT DICKINSON COMPANY, Chicago, Ill.
Filed October 5, 1925. Serial No. 221,243. PUBLISHED JANUARY 19, 1926.

212,246. PURE GUM TURPENTINE, STEAM-DISTILLED TURPENTINE, DESTRUCTIVELY-DISTILLED WOOD TURPENTINE, AND GUM SPIRITS OF TURPENTINE. L. YANCEY CLARK, doing business as Georgia Pine Turpentine Company, New York, N. Y.
Filed August 19, 1925. Serial No. 219,059. PUBLISHED FEBRUARY 16, 1926.

212,247. BATHING SUITS, TRUNKS, AND SHIRTS, AND SWEATER COATS AND VESTS. FRANKLIN SWEATER MILLS, Philadelphia, Pa.
Filed August 26, 1925. Serial No. 219,388. PUBLISHED JANUARY 26, 1926.

212,248. READY-MIXED PAINTS, PAINT ENAMELS, THINNER, LACQUER, PRIMER, FILLER, AND POLISH. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio.
Filed December 7, 1925. Serial No. 224,336. PUBLISHED FEBRUARY 2, 1926.

212,249. HOSIERY. DURHAM HOSIERY MILLS, Durham, N. C.
Filed December 10, 1925. Serial No. 224,504. PUBLISHED FEBRUARY 9, 1926.

212,250. MEN'S SUITS. FOREMAN'S INC., Chicago, Ill.
Filed December 11, 1925. Serial No. 224,556. PUBLISHED FEBRUARY 9, 1926.

212,251. FUEL OILS AND LUBRICATING OILS. ALFRED T. LOCKE, Chicago, Ill.
Filed December 11, 1925. Serial No. 224,567. PUBLISHED FEBRUARY 9, 1926.

212,252. LOCKS AND PARCEL LOCKERS. PARLOC SERVICE CORPORATION, New York, N. Y.
Filed October 27, 1925. Serial No. 222,393. PUBLISHED FEBRUARY 9, 1926.

212,253. BATHING SUITS, TRUNKS, AND SHIRTS, AND SWEATER COATS AND VESTS. FRANKLIN SWEATER MILLS, Philadelphia, Pa.
Filed August 14, 1925. Serial No. 218,848. PUBLISHED JANUARY 26, 1926.

212,254. COUNTERS FOR SHOES. ROGERS FIBRE COMPANY, Boston, Mass.
Filed August 6, 1925. Serial No. 218,500. PUBLISHED OCTOBER 6, 1925.

212,255. WOMEN'S WEARING APPAREL—NAMELY, WOMEN'S COATS, SUITS, DRESSES, OUTER SKIRTS, AND KNICKERBOCKERS. TED EDELMAN, INC., New York, N. Y.
Filed July 3, 1925. Serial No. 216,827. PUBLISHED FEBRUARY 9, 1926.

212,256. HOSIERY. PURITEST SILK HOSIERY CORPORATION, Buffalo, N. Y.
Filed December 12, 1925. Serial No. 224,620. PUBLISHED FEBRUARY 9, 1926.

212,257. LADIES' AND CHILDREN'S SILK UNDERWEAR—NAMELY, BLOOMERS, VESTS, STEP-INS, CHEMISES, SLIPS, AND PETTICOATS. ARMIN MANHEIM, doing business as A. Manheim & Co., New York, N. Y.
Filed December 11, 1925. Serial No. 224,568. PUBLISHED FEBRUARY 9, 1926.

212,258. MEN'S SUITS AND COATS. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed December 11, 1925. Serial No. 224,559. PUBLISHED FEBRUARY 16, 1926.

212,259. CERTAIN NAMED CANNED GOODS. JOHN F. LALLA COMPANY, Chicago, Ill.
Filed December 10, 1925. Serial No. 224,519. PUBLISHED FEBRUARY 16, 1926.

212,260. DENTAL INSTRUMENTS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed December 8, 1925. Serial No. 224,440. PUBLISHED FEBRUARY 9, 1926.

212,261. DENTAL CEMENT. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed December 8, 1925. Serial No. 224,439. PUBLISHED FEBRUARY 9, 1926.

212,262. HANDKERCHIEFS. STERLING HANDKERCHIEF MANUFACTURING CO., INC., New York, N. Y.
Filed December 8, 1925. Serial No. 224,434. PUBLISHED FEBRUARY 16, 1926.

212,263. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed December 8, 1925. Serial No. 224,377. PUBLISHED FEBRUARY 16, 1926.

212,264. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. THE VAN LANDINGHAM CO., Los Angeles, Calif.
Filed December 4, 1925. Serial No. 224,268. PUBLISHED FEBRUARY 16, 1926.

212,265. POTATOES IN THEIR NATURAL STATE. JOHN WENDELL BARRETT, doing business as Barrett Produce Company, Stockton, Calif.
Filed December 2, 1925. Serial No. 224,072. PUBLISHED FEBRUARY 16, 1926.

212,266. GASOLINE, BENZINE, PETROLEUM DISTILLATE, KEROSENE, REFINED ILLUMINATING OIL, POWER OIL, LUBRICATING OILS, LUBRICATING GREASES, AND BENZOLATE. ATKINS, KROLL & CO., San Francisco, Calif.
Filed December 2, 1925. Serial No. 224,069. PUBLISHED FEBRUARY 2, 1926.

212,267. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,814. PUBLISHED FEBRUARY 16, 1926.

212,268. A NOVELTY TOY OPERATED BY BLOWING THROUGH A TUBE, CAUSING A TOY FIGURE TO RISE AND FALL. JOHN H. BLANCHARD, doing business as Air Novelty Works, St. Louis, Mo.
Filed November 23, 1925. Serial No. 223,682. PUBLISHED FEBRUARY 16, 1926.

212,269. DRAPERY FABRICS OF COTTON, WOOL, SILK, AND MIXTURES THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed November 21, 1925. Serial No. 223,621. PUBLISHED FEBRUARY 16, 1926.

212,270. SILK PIECE GOODS. STEHLI SILKS CORPORATION, New York, N. Y.
Filed November 11, 1925. Serial No. 223,146. PUBLISHED FEBRUARY 16, 1926.

212,271. PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, FUEL OIL, PETROLEUM DISTILLATE. W. H. BARBER COMPANY, Minneapolis, Minn.
Filed November 4, 1925. Serial No. 222,775. PUBLISHED JANUARY 12, 1926.

212,272. CANNED SALMON. SEBASTIAN-STUART FISH CO., Seattle, Wash.
Filed May 9, 1925. Serial No. 214,097. PUBLISHED FEBRUARY 16, 1926.

212,273. JAMS, JELLIES, AND FRUIT PRESERVES. THE BEST-CLYMER CO., St. Louis, Mo.
Filed February 21, 1925. Serial No. 209,968. PUBLISHED FEBRUARY 16, 1926.

212,274. JELLIES, JAMS, FRUIT BUTTERS, FRUIT PRESERVES, AND PRESERVED FRUITS. BLANKE BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo.
Filed February 6, 1925. Serial No. 209,154. PUBLISHED FEBRUARY 16, 1926.

212,275. COFFEE AND TEA. CLARE E. HALLADAY COFFEE COMPANY, Battle Creek, Mich.
Filed November 18, 1924. Serial No. 205,478. PUBLISHED FEBRUARY 16, 1926.

212,276. CANNED BERRIES. THE BERRY GROWERS PACKING CO., Gresham, Oreg.
Filed July 7, 1924. Serial No. 199,668. PUBLISHED FEBRUARY 16, 1926.

212,277. PISTON AND PACKING RINGS. PENNSYLVANIA PISTON RING COMPANY, Cleveland, Ohio.
Filed April 25, 1921. Serial No. 146,732. PUBLISHED SEPTEMBER 12, 1922.

212,278. TEXTILE BLANKETS. PENDLETON WOOLEN MILLS, Portland, Oreg.
Filed November 23, 1925. Serial No. 223,742. PUBLISHED FEBRUARY 9, 1926.

212,279. BOYS' AND MEN'S SWEATERS. THE PERRY KNITTING COMPANY, Perry, N. Y.
Filed November 24, 1925. Serial No. 223,801. PUBLISHED FEBRUARY 9, 1926.

212,280. LEATHER POCKETBOOKS. MCCABE & SCHOENHOLZ, INC., New York, N. Y.
Filed November 25, 1925. Serial No. 223,856. PUBLISHED FEBRUARY 9, 1926.

212,281. DRESS-SUIT CASES BAGS, TRUNKS, AND DRESSING CASES. E. N. KENNEDY, INCORPORATED, New York, N. Y.
Filed November 27, 1925. Serial No. 223,921. PUBLISHED FEBRUARY 9, 1926.

212,282. KEY POUCHES, CASES, OR CONTAINERS. CHARLES LORBER, Louisville, Ky.
Filed November 30, 1925. Serial No. 224,029. PUBLISHED FEBRUARY 9, 1926.

212,283. A CARD GAME. SEYMOUR AND MUIR PRINTING COMPANY, doing business as Grand Rapids Label Co., Grand Rapids, Mich.
Filed November 30, 1925. Serial No. 224,058. PUBLISHED FEBRUARY 16, 1926.

212,284. DARBIES. SAND'S LEVEL & TOOL CO., Detroit, Mich.
Filed December 1, 1925. Serial No. 224,154. PUBLISHED FEBRUARY 9, 1926.

212,285. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, SARSAPARILLA, ROOT BEER, BIRCH BEER, CHOCOLATE, AND FRUIT FLAVORS. JOHN NOCERA, doing business as Novelty Bottling Works, Waltham, Mass.
Filed December 4, 1925. Serial No. 224,259. PUBLISHED FEBRUARY 16, 1926.

212,286. APRONS AND DRESSES. OARAS APRONS, INC., Chicago, Ill.
Filed December 5, 1925. Serial No. 224,290. PUBLISHED FEBRUARY 9, 1926.

212,287. ARTISTS' RELIEF PAINTS. CONRAD & HOEHNE, INC., New York, N. Y.
Filed December 7, 1925. Serial No. 224,322. PUBLISHED FEBRUARY 2, 1926.

212,288. MISSES' AND GIRLS' HATS. THE HECHT CO., Washington, D. C., and also doing business as The Hub, Baltimore, Md., and Hecht Brothers, Baltimore, Md., and New York, N. Y.
Filed August 3, 1925. Serial No. 218,304. PUBLISHED SEPTEMBER 29, 1925.

212,289. READY-MIXED PAINTS. STANDARD VARNISH WORKS, New York, N. Y.
Filed July 27, 1925. Serial No. 217,968. PUBLISHED NOVEMBER 10, 1925.

212,290. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO., INC., Philadelphia, Pa.
Filed January 8, 1926. Serial No. 225,642. PUBLISHED FEBRUARY 16, 1926.

212,291. CERTAIN NAMED CANNED FRUITS, VEGETABLES, AND FISH, AND DRIED FRUITS. JOSEPH J. FLATLEY, San Francisco, Calif.
Filed January 8, 1926. Serial No. 225,654. PUBLISHED FEBRUARY 16, 1926.

212,292. VEGETABLE SHORTENING. THE VAN CAMP PACKING COMPANY, Indianapolis, Ind.
Filed January 8, 1926. Serial No. 225,688. PUBLISHED FEBRUARY 16, 1926.

212,293. CANDY ARTICLE. NORMA CHOCOLATE CO. INC., Brooklyn, N. Y.
Filed January 9, 1926. Serial No. 225,727. PUBLISHED FEBRUARY 16, 1926.

212,294. COFFEE. PAGE COFFEE COMPANY, St. Joseph, Mo.
Filed January 9, 1926. Serial No. 225,728. PUBLISHED FEBRUARY 16, 1926.

212,295. COFFEE. PAGE COFFEE COMPANY, St. Joseph, Mo.
Filed January 9, 1926. Serial No. 225,729. PUBLISHED FEBRUARY 16, 1926.

212,296. TEA. SEEMAN BROTHERS, INC., New York, N. Y.
Filed January 9, 1926. Serial No. 225,742. PUBLISHED FEBRUARY 16, 1926.

212,297. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed January 9, 1926. Serial No. 225,748. PUBLISHED FEBRUARY 16, 1926.

212,298. HANDKERCHIEFS. STERLING HANDKERCHIEF MANUFACTURING CO., INC., New York, N. Y.
Filed January 11, 1926. Serial No. 225,814. PUBLISHED FEBRUARY 16, 1926.

212,299. TEXTILE BLANKETS AND BLANKET MATERIAL IN THE PIECE. THE ESMOND MILLS, Esmond, Smithfield, R. I.
Filed January 13, 1926. Serial No. 225,876. PUBLISHED FEBRUARY 16, 1926.

212,300. CERTAIN WOVEN, KNITTED, AND NETTED TEXTILE FABRICS IN THE PIECE. A. HOENIGSBERGER, Chicago, Ill.
Filed October 15, 1925. Serial No. 221,745. PUBLISHED FEBRUARY 16, 1926.

212,301. WATERPROOF AND RAINPROOF CLOTHING—NAMELY, MEN'S, YOUTHS', AND BOYS' SUITS AND OVERCOATS. J. WEINBERG AND SONS, Cheetham, Manchester, England.
Filed October 13, 1925. Serial No. 221,678. PUBLISHED FEBRUARY 16, 1926.

212,302. COFFEE. CHRISTIAN P. AURINGER, doing business as Auringer Coffee Company, Kingston, N. Y.
Filed October 8, 1925. Serial No. 221,401. PUBLISHED FEBRUARY 16, 1926.

212,303. FRESH CITROUS FRUITS. GRAND VIEW HEIGHTS CITRUS ASSN., Ultra, and Terra Bella, Calif.
Filed October 7, 1925. Serial No. 221,363. PUBLISHED FEBRUARY 16, 1926.

212,304. CANDY. SALVO & BERDON CANDY CO., Natchez, Miss.
Filed October 5, 1925. Serial No. 221,282. PUBLISHED FEBRUARY 16, 1926.

212,305. WROUGHT AND ROLLED IRON AND STEEL, RAW BARS, AND BLOOMS. STORA KOPPARBERGS BERGSLAGS AKTIEBOLAG, Falun, Sweden.
Filed September 9, 1925. Serial No. 220,042. PUBLISHED FEBRUARY 9, 1926.

212,306. WROUGHT AND ROLLED IRON AND STEEL, RAW BARS, AND BLOOMS. STORA KOPPARBERGS BERGSLAGS AKTIEBOLAG, Falun, Sweden.
Filed September 9, 1925. Serial No. 220,043. PUBLISHED FEBRUARY 9, 1926.

212,307. FERTILIZER AND FERTILIZER MATERIAL. AMOS ENY & COMPANY, Lancaster, Pa.
Filed September 5, 1925. Serial No. 219,867. PUBLISHED FEBRUARY 2, 1926.

212,308. FRESH GRAPES. WALTER BROTHERS, Exeter, Calif.
Filed September 4, 1925. Serial No. 219,865. PUBLISHED FEBRUARY 16, 1926.

212,309. FRESH CITROUS FRUITS. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex.
Filed September 4, 1925. Serial No. 219,863. PUBLISHED FEBRUARY 16, 1926.

212,310. CARAMELS. FAIR PLAY CARAMELS, INC., Johnson City, N. Y.
Filed July 29, 1925. Serial No. 218,050. PUBLISHED FEBRUARY 16, 1926.

212,311. GASOLINE, ROAD OIL, NAPHTHA, AND LUBRICATING OIL. WARNER-QUINLAN COMPANY, New York, N. Y.
Filed July 18, 1925. Serial No. 217,592. PUBLISHED OCTOBER 13, 1925.

212,312. ANTISEPTIC DISINFECTANT AND DEODORANT COMPOUND. GEORGE E. HALSEY, INC., Chicago, Ill.
Filed September 26, 1925. Serial No. 220,852. PUBLISHED FEBRUARY 9, 1926.

212,313. SHOCK ABSORBERS. THE HAWDOS CORPORATION, Corning, N. Y.
Filed September 29, 1925. Serial No. 220,950. PUBLISHED JANUARY 12, 1926.

212,314. OIL BURNERS. NATIONAL SURFO BURNER CORPORATION, Buffalo, N. Y.
Filed October 15, 1925. Serial No. 221,765. PUBLISHED JANUARY 19, 1926.

212,315. GASOLINE, BLENDED GASOLINE, AND HYDROCARBON MOTOR FUEL. SHRIVER OIL COMPANY, Baltimore, Md.
Filed October 16, 1925. Serial No. 221,854. PUBLISHED FEBRUARY 2, 1926.

212,316. GASOLINE, BLENDED GASOLINE, AND HYDROCARBON MOTOR FUELS. SHRIVER OIL COMPANY, Baltimore, Md.
Filed October 16, 1925. Serial No. 221,855. PUBLISHED FEBRUARY 2, 1926.

212,317. ARTIFICIAL LEATHER OR COATED COTTON FABRIC. C. R. WHITING CO., Newark, N. J.
Filed October 16, 1925. Serial No. 221,863. PUBLISHED JANUARY 19, 1926.

212,318. BINOCULARS, INCLUDING TELESCOPES, OPERA, FIELD, AND MARINE GLASSES. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed November 19, 1925. Serial No. 223,557. PUBLISHED FEBRUARY 9, 1926.

212,319. TINTERS FOR MORTAR OR PLASTER COMPOUNDS. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed November 19, 1925. Serial No. 223,559. PUBLISHED FEBRUARY 2, 1926.

212,320. WATER AND STAIN PROOFING LIQUID. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed November 19, 1925. Serial No. 223,560. PUBLISHED FEBRUARY 2, 1926.

212,321. CHOCOLATE. WEST-INDISCHE IMPORT COMPAGNIE, Amsterdam, Netherlands.
Filed November 19, 1925. Serial No. 223,567. PUBLISHED FEBRUARY 9, 1926.

212,322. THREADING MACHINES. WILLIAMS TOOL CORPORATION, Erie, Pa.
Filed November 21, 1925. Serial No. 223,674. PUBLISHED FEBRUARY 9, 1926.

212,323. PAINT ENAMELS. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed November 23, 1925. Serial No. 223,707. PUBLISHED JANUARY 26, 1926.

212,324. CANNED FRUITS. SUTTER CO-OPERATIVE GROWERS, San Francisco, Calif.
Filed June 6, 1925. Serial No. 215,425. PUBLISHED FEBRUARY 16, 1926.

212,325. LUBRICATING AND RUST-PROTECTING OILS AND GREASES, ILLUMINATING OILS, GASOLINE, AND PARAFFIN. GEORG SCHICHT A. G., Aussig-on-the-Elbe, Czechoslovakia.
Filed May 20, 1925. Serial No. 214,623. PUBLISHED JANUARY 26, 1926.

212,326. CANNED FRUITS AND CANNED VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed December 14, 1925. Serial No. 224,651. PUBLISHED FEBRUARY 16, 1926.

212,327. MEN'S HALF HOSE MADE OF WOOL, SILK, ARTIFICIAL SILK, AND COTTON MIXTURES. CLIMAX HOSIERY MILLS, Athens, Ga.
Filed December 16, 1925. Serial No. 224,745. PUBLISHED FEBRUARY 16, 1926.

212,328. CHEMICAL HEATING BAGS. JOHN M. DENNISON, New York, N. Y.
Filed December 16, 1925. Serial No. 224,750. PUBLISHED FEBRUARY 16, 1926.

212,329. CRAVATS. LEVINE & JAFFE, New York, N. Y.
Filed December 18, 1925. Serial No. 224,873. PUBLISHED FEBRUARY 16, 1926.

212,330. CANNED GRAPEFRUIT. FRUIT PRODUCTS CO., OF FLORIDA, Eagle Lake, Fla.
Filed December 23, 1925. Serial No. 225,088. PUBLISHED FEBRUARY 16, 1926.

212,331. FRESH ORANGES AND LEMONS. RIALTO HEIGHTS ASSOCIATION, Rialto, Calif.
Filed January 5, 1926. Serial No. 225,523. PUBLISHED FEBRUARY 16, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

212,332. (CLASS 37. PAPER AND STATIONERY.) READING PAPER MILLS, Reading, Pa. Filed Mar. 6, 1926. Serial No. 228,269.

Bodleian

Particular description of goods.—Book Papers.
Claims use since Dec. 10, 1923.

212,333. (CLASS 37. PAPER AND STATIONERY.) READING PAPER MILLS, Reading, Pa. Filed Mar. 6, 1926. Serial No. 228,268.

Louvain

Particular description of goods.—Book Papers.
Claims use since Dec. 10, 1923.

212,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SULPHUR PRODUCTS COMPANY, GREENSBURG, Pa. Filed Mar. 5, 1926. Serial No. 228,210.

"Liquid Sulphur"

Particular description of goods.—Concentrated Compound for Oxidizing Metals and a Compound for Use In Giving Sulphur Baths.
Claims use since June 7, 1917.

212,335. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) G. E. HOFMEISTER, doing business as Hygrade Seed Co., Tuckahoe, N. Y. Filed Feb. 16, 1926. Serial No. 227,351.

HYGRADE SEED CO.

Particular description of goods.—Flower, Vegetable, Lawn, and Field Seeds.
Claims use since August, 1921.

212,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KLINKER MANUFACTURING CO., doing business as Peggy Page Laboratories, Cleveland, Ohio. Filed Dec. 22, 1925. Serial No. 225,020.

Peggy Page

Particular description of goods.—Perfume, Toilet Water, Hair Tonic, Talcum Powder, Astringent, Liquid Face Powder, Brilliantine, Cleansing Cream, Manicure Preparations, Cold Cream, Face Powder, Sbampoo, Muscle Oil, Pore Cream, Vanishing Cream, Hand and Face Lotions, Paste Rouge, Compact Rouge, Compact Face Powder, Lip Sticks, and Eyebrow Pencils.
Claims use since Oct. 21, 1924.

212,337. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed Aug. 3, 1925. Serial No. 218,303.

GOOD TASTE

Particular description of goods.—Flavoring Extracts for Food Purposes.
Claims use since 1909.

212,338. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOOLWORTH CHEMICAL COMPANY, Lititz, Pa. Filed June 23, 1925. Serial No. 216,310.

Stop-Tarnish

Particular description of goods.—Chemical Compound Adapted to Remove Tarnishing Impurities, Such as Sulphides, from the Air.
Claims use since Sept. 1, 1924.

212,339. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925. Serial No. 212,803.

WORTH OF PARIS

Particular description of goods.—Soaps.
Claims use since Mar. 14, 1924.

212,340. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Mar. 30, 1925. Serial No. 211,821.

KINGWOOD

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 10, 1925.

212,341. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DOMENIC DANTE, Chicago, Ill. Filed Mar. 20, 1925. Serial No. 211,335.

Dante's

Particular description of goods.—Solution of Soap in Paste Form.
Claims use since Feb. 28, 1925.

212,342. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH F. BURNHAM COMPANY, Auburn, Me. Filed Mar. 16, 1925. Serial No. 211,079.

BURNHAM'S
Glyco-Tonic

Particular description of goods.—A Tonic and Reconstructive.
Claims use since 1908.

212,343. (CLASS 20. LINOLEUM AND OILED CLOTH.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,143.

KAUFMANN'S
"THE BIG STORE"

Particular description of goods.—Inlaid Linoleum, Printed Linoleum, Felt-Base Linoleum, Rug-Border Imitation-Hardwood Linoleum, Inlaid-Linoleum Rugs, Printed Linoleum Rugs, Felt-Base-Linoleum Rugs.
Claims use since about July 1, 1913.

212,344. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,141.

KAUFMANN'S
THE BIG STORE

Particular description of goods.—Children's Toy Vehicles, Toy Guns and Pistols, Dolls and Doll Accessories, Rubber Toys and Toy Novelties; Games Including Card Games, Checker Boards, Dominoes, Chinese Games Played With Domino-Shaped Blocks, Chess, Game Boards With Spinners, Game Boards Having Game Characters Moved By Throwing Dice, Jackstraws, Blocks, Construction Toys of Wood and Metal, Deck Quoits and Quoits, Imitation-Horseshoe Games Using Rubber Horseshoes, Marbles; Toy Clocks and Toy Watches, Wood and Metal Mechanical Toys, Wood and Metal Automatic Toys, Wood and Metal Electrical Toys, Musical Toys; Wood, Metal, and Fabric Animals; Miniature Household Furniture and Utensils, Artificial Christmas Trees and Ornaments; Playroom Equipment, Including Doll Beds and Tables, Hobbyhorses, Seesaws; and Baseballs, Footballs, Soccer Balls, Tennis Balls, Golf Balls, Croquet Balls, Baseball Bats, Baseball Face Masks, Baseball Chest Protectors, Baseball Gloves, Shin Guards, Baseball Bases, Golf Clubs, Bags for Golf Clubs, Tennis Rackets, Tennis Nets, Fishing Tackle, Rowing Machines, Canoe Paddles, Boxing Gloves, Ice Skates, Roller Skates, Indian Clubs, Dumbbells, Rope Pulley and Spring Devices Used As Exercisers.
Claims use since about July 1, 1913.

212,345. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,140.

Kaufmann's
"The Big Store"

Particular description of goods.—Brown Earthenware Bowls for Egg-Beater Combinations, Porcelain Bowls for Mayonnaise-Mixer Combinations; Earthen Dinner Ware, English; Earthen Dinner Ware, American; Earthen Teapots, English and American; Earthen Tea Sets, English and American; Earthen Toilet Ware, Crockery Jars and Jugs, Crockery Mixing Bowls, Crockery Teapots, Crockery Cuspidors, Crockery Combinets, Imported Earthen Tableware, and Imported Earthen Kitchen Ware.
Claims use since about July 1, 1913.

212,346. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,137.

KAUFMANN'S
"THE BIG STORE"

Particular description of goods.—Goods in the Piece, Including Cretonnes, Sateens; Silkaline, Poplins, Printed Sateens, Terry Cloth, Burlap, Awning Cloth, Linen,

Damasks, Velvets, Mohairs, Tapestry, Denims, Plisse Cloth, Rep, and Armures; Men's Ladies', and Children's Handkerchiefs; Wilton Carpets, Chenille Carpets (Domestic and Foreign), Axminster Carpets, Velvet Carpets, Brussels Carpets, Tapestry Brussels Carpets, Linen Carpets, Ingrain Carpets, Rag Carpets, Wilton Rugs, Axminster Rugs, Velvet Rugs, Brussels Rugs, Chenille Rugs, Linen Rugs, Fiber Rugs, Grass Rugs; Persian, Chinese, and Caucassian Rugs (Oriental); China Matting, Japan Matting, Cocoa Matting, and Grass Matting.
Claims use since about July 1, 1913.

212,347. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALEXANDER INDUSTRIES, INC., Englewood, Colo. Filed Feb. 19, 1926. Serial No. 227,493.

ALEXANDER FILM CO.

Particular description of goods.—Advertising and Publicity Motion-Picture Films.
Claims use since Jan. 5, 1919.

212,348. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LAZARUS ROSENTHAL, Pittsburgh, Pa. Filed Feb. 1, 1926. Serial No. 226,739.

DR. LEE'S PRODUCTS
MANUFACTURERS
Dr. Lee's Foot and Arch Supports

Particular description of goods.—Foot and Arch Supports.
Claims use since about Aug. 1, 1924.

212,349. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) QUAKER PRODUCTS COMPANY, Philadelphia, Pa. Filed Jan. 30, 1926. Serial No. 226,682.

KANSAS

Particular description of goods.—Water-Soluble Cleansing Powder.
Claims use since on or about Apr. 1, 1924.

212,350. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) A. D. COOK, INCORPORATED, Lawrenceburg, Ind. Filed Jan. 6, 1926. Serial No. 225,554.

GENUINE
COOK
WELL SUPPLIES

Particular description of goods.—Cup Leathers and Leather-Packed Plungers.
Claims use since Feb. 1, 1924.

212,351. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. D. COOK, INCORPORATED, Lawrenceburg, Ind. Filed Jan. 6, 1926. Serial No. 225,553.

GENUINE
COOK
WELL SUPPLIES

Particular description of goods.—Deep-well Foot Valves, Deep-Well Strainers, Tubular Well Points, Covered Perforated Pipe Strainers, Drive-well Points, Strainer Valves, Spool Valves, Valve Hooks, Combined Air Chamber and Discharge Check Valves, Gate Valves, Wood-Pipe Clamps, Fire Hydrants, Bronze Ball Valves, Gum Valves, Steel Swivels, Strainer Hooks; Cast-Iron Fittings—Namely, Elbows, T's, Couplings, Nipples, Bushings, and Unions; and Combined Air Chambers and Manifold Discharge Valves.
Claims use since Feb. 1, 1924.

212,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCES SINAGNAN & CIE., New York, N. Y. Filed Mar. 11, 1926. Serial No. 228,500.

Francey Sinagnan & Cie.

Particular description of goods.—Chocolate and Candy.
Claims use since October, 1924.

212,353. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRANITE STATE MOWING MACHINE CO., Hinsdale, N. H. Filed Dec. 29, 1925. Serial No. 225,261.

GRANITE STATE

Particular description of goods.—Lawn Mowers and Lawn Trimmers.
Claims use since Oct. 13, 1924.

212,354. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Oct. 31, 1925. Serial No. 222,598.

RUFFLEDGE

Particular description of goods.—Cotton, Cotton and Silk, and Silk Piece Goods and Curtains Made from the Same.
Claims use since Sept. 10, 1924

212,355. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE YORKSHIRE COPPER WORKS, LIMITED, Stourton, Leeds, England. Filed July 25, 1925. Serial No. 217,911.

BENEDICT

Particular description of goods.—Metal Tubes.
Claims use since July, 1924.

212,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHN W. GRUBBS CO., Richmond, Ind. Filed Dec. 23, 1925. Serial No. 225,091.

GLEN MILLER

Particular description of goods.—Certain Named Foods.
Claims use since Aug. 1, 1924.

212,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIEDMONT VIRGINIA FRUIT GROWERS ASSOCIATION, INCORPORATED, Charlottesville, Va. Filed Aug. 20, 1924. Serial No. 201,678.

PIEDMONT VIRGINIA BRAND

Particular description of goods.—Apples and Peaches in Their Natural State.
Claims use since 1920.

212,358. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Jan. 10, 1925. Serial No. 207,932.

RATL-CLIP
CLIPS OF SILENCE

Particular description of goods.—Hardware—Namely, a Spring Clip to Stop Rattling of Windows.
Claims use since Nov. 14, 1924.

212,359. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE FORGING COMPANY, Northumberland, Pa. Filed Jan. 22, 1925. Serial No. 208,468.

GUARANTEED
Forge-steel Casters
UNBREAKABLE

Particular description of goods.—Casters.
Claims use since July, 1924.

212,360. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES M. WILSON, doing business as Cardettes Company, Des Moines, Iowa. Filed Jan. 20, 1925. Serial No. 208,837.

CARDETTES

Particular description of goods.—Calling Cards.
Claims use since Jan. 22, 1925.

212,361. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VIRGINIA DARE EXTRACT CO. INC., Brooklyn, N. Y. Filed Feb. 3, 1925. Serial No. 209,070.

WINE-CUP

Particular description of goods.—Nonalcoholic, Maltless, Soft-Drink Beverages and Sirups, Emulsions, Concentrates, and Extracts Used in the Preparation of the Same.
Claims use since Jan. 22, 1925.

212,362. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Feb. 25, 1925. Serial No. 210,151.

SHREDSOPE

Particular description of goods.—Laundry and Toilet Soaps, Soap Jelly, Soap Powder, Soap Flakes, and Soap Creams Used Before Shaving.
Claims use since Feb. 4, 1925.

212,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 212,253.

KIRBY

Particular description of goods.—Canned Vegetables and Fresh Vegetables.
Claims use since Mar. 10, 1925.

212,364. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FREYDBERG BROS., INC., New York, N. Y. Filed June 6, 1925. Serial No. 215,407.

LINE-A-FUR

Particular description of goods.—Backings for Furs and Fur Pieces.
Claims use since Feb. 26, 1925.

212,365. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) PROGRESS PAINT MFG. CO., Louisville, Ky. Filed Apr. 9, 1925. Serial No. 212,458.

SALT CLIMATE

Particular description of goods.—Ready-Mixed Paints, Wagon Paint, Roof Paint, Barn Paint, Floor Paint, Varnish Stains, Stair Finish, Flat Wall Finish, Semipaste Paint, Automobile Paint, Cement Paints, Porch Paint, Paint Enamels and Colors, House Paints.
Claims use since Sept. 17, 1924.

212,366. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PEACH & FIG GROWERS ASSOCIATION, Fresno, Calif. Filed Mar. 15, 1926. Serial No. 228,642.

PRESSED PACK

Particular description of goods.—Dried Figs.
Claims use since Oct. 30, 1925.

TRADE-MARK REGISTRATIONS RENEWED

48,005. CHEWING GUM. Registered December 5, 1905. FRANK H. FLEER AND COMPANY, Philadelphia, Pa. Renewed December 5, 1925, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

48,487. PAPERBOARD AND ENVELOPES OR RECEPTACLES MADE THEREFROM. Registered January 2, 1906, to THE THOMPSON & NORRIS CO., Brooklyn and New York, N. Y. Renewed January 2, 1926, to The Thompson & Norris Company, Brooklyn, N. Y., a Corporation of New Jersey.

49,136. RUBBER FOR DENTAL PURPOSES. Registered January 23, 1906, to TRAUN RUBBER CO. Renewed January 23, 1926, to Atlantic Rubber Manufacturing Corporation, New York, N. Y., a Corporation of New York, assignee.

49,531. WHEAT FLOUR. Registered February 6, 1906. MAPLETON MILLING COMPANY, town of Mapleton, Blue Earth, Minn. Renewed February 6, 1926, to Commander Mill Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

49,567. ALTERATIVES. Registered February 13, 1906. INLAND CHEMICAL CO. Renewed February 13, 1926, to Inland Chemical Company, Indianapolis, Ind., a Corporation of Indiana.

49,993. LINIMENT. Registered February 27, 1906, FREDC. G. BOYNTON. Renewed February 27, 1926, to I. S. Johnson & Co. Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

49,994. A PURGATIVE MEDICINE. Registered February 27, 1906. FREDC. G. BOYNTON. Renewed February 27, 1926, to I. S. Johnson & Co. Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

50,073. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,078. PLAYING CARDS. Registered March 6, 1906. THE UNITED STATES PLAYING CARD CO. Renewed March 6, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,079. PLAYING CARDS. Registered March 6, 1906. THE UNITED STATES PLAYING CARD CO. Renewed March 6, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,106. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed March 6, 1926, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

50,107. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed March 6, 1926, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

50,108. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed March 6, 1926, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

50,110. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed March 6, 1926, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

50,112. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Renewed March 6, 1926, to The New York Consolidated Card Company, Long Island City, N. Y., a Corporation of New York.

50,116. PLAYING CARDS. Registered March 6, 1906. THE UNITED STATES PLAYING CARD CO. Renewed March 6, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,117. PLAYING CARDS. Registered March 6, 1906. THE UNITED STATES PLAYING CARD CO., Cincinnati, Ohio. Renewed March 6, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,139. RUBBER INSULATING COMPOUND. Registered March 6, 1906. THE OKONITE COMPANY, LIMITED, New York, N. Y. Renewed March 6, 1926, to The Okonite Company, Passaic, N. J., a Corporation of New Jersey, assignee.

50,144. MANUFACTURED FURS FOR WEARING APPAREL. Registered March 6, 1906. C. G. GUNTHER'S SONS, New York, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,291. CANNED VEGETABLES AND FRUITS. Registered March 6, 1906. STEPHEN J. SENECA. Renewed March 6, 1926, to Charles B. Silver, Havre de Grace, Md., assignee.

50,295. LARD. Registered March 6, 1906. THE CUDAHY PACKING CO. Renewed March 6, 1926, to The Cudahy Packing Company, Chicago, Ill., a Corporation of Maine, assignee.

50,343. LEATHER BOOTS AND SHOES. Registered March 13, 1906. JNO. J. SCHULTEN AND CO., Louisville, Ky. Renewed March 13, 1926.

50,350. PLAYING CARDS. Registered March 13, 1906. THE UNITED STATES PLAYING CARD CO. Renewed March 13, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,352. PLAYING CARDS. Registered March 13, 1906. THE UNITED STATES PLAYING CARD CO. Renewed March 13, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

50,395. CIGARS. Registered March 13, 1906. THE BANNER CIGAR MFG. CO. Renewed March 13, 1926, to Theodore R. Peterson, doing business as The Peterson Cigar Co., Detroit, Mich., successor.

50,438. CENTRIFUGAL CREAM SEPARATORS. Registered March 20, 1906. AMERICAN SEPARATOR COMPANY, Bainbridge, N. Y., a Corporation of New York. Renewed March 20, 1926.

50,439. COFFEE. Registered March 20, 1906. ARBUCKLE BROS. Renewed March 20, 1926, to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill., successor.

50,447. STOCK FOOD. Registered March 20, 1906. MARION W. SAVAGE. Renewed March 20, 1926, to International Stock Food Company, Minneapolis, Minn., a Corporation of Maine, successor.

50,490. PAINTS. Registered March 20, 1906. TOCH BROTHERS. Renewed March 20, 1926, to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York, assignee.

50,535. MEDICINAL SOAP. Registered March 20, 1906. BARCLAY & BARCLAY. Renewed March 20, 1926, to Barclay & Co., New York, N. Y., a Corporation of Delaware, assignee.

50,560. ANTISEPTIC REFRIGERANTS FOR WOUNDS. Registered March 20, 1906. G. H. TICHENOR, M. D. Renewed March 20, 1926, to Dr. G. H. Tichenor Co. Ltd., New Orleans, La., a Corporation of Louisiana, assignee.

50,697. SOAP POWDER COMBINED WITH MINERAL INGREDIENTS. Registered March 27, 1906. THE CUDAHY PACKING CO. Renewed March 27, 1926, to The Cudahy Packing Company, Chicago, Ill., a Corporation of Maine, assignee.

50,752. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF KIDNEY DISEASES. Registered March 27, 1906. MCKESSON & ROBBINS, New York, N. Y. Renewed March 27, 1926, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., a Corporation of New York, successor.

50,775. CONDITION POWDERS. Registered March 27, 1906. FREDERIC G. BOYNTON. Renewed March 27, 1926, to I. S. Johnson & Co. Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

50,840. SHIP LOGS AND SOUNDING MACHINES. Registered April 3, 1906. THOMAS WALKER & SON, LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed April 3, 1926.

50,946. HEALING PINE OIL. Registered April 3, 1906. MARION W. SAVAGE. Renewed April 3, 1926, to International Stock Food Company, Minneapolis, Minn., a Corporation of Maine, successor.

50,983. CHEMICAL PREPARATION. Registered April 3, 1906. MCKESSON & ROBBINS, New York, N. Y. Renewed April 3, 1926, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., a Corporation of New York, successor.

51,202. PLAYING CARDS. Registered April 10, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 10, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,267. CHEWING GUM. Registered April 10, 1906. FRANK H. FLEER & COMPANY, Philadelphia, Pa. Renewed April 10, 1926, to American Chicle Company, Long Island City, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

51,326. CERTAIN NAMED TOILET PREPARATIONS. Registered April 10, 1906. THE KNY-SCHEERER COMPANY, Brooklyn, N. Y. Renewed April 10, 1926, to The Kny-Scheerer Corporation of America, New York, N. Y., a Corporation of New York, assignee.

51,378. PLAYING CARDS. Registered April 17, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 17, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,379. PLAYING CARDS. Registered April 17, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 17, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,380. PLAYING CARDS. Registered April 17, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 17, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,388. POULTRY FOOD. Registered April 17, 1906. MARION W. SAVAGE. Renewed April 17, 1926, to International Stock Food Company, Minneapolis, Minn., a Corporation of Maine, successor.

51,391. CIGARS. Registered April 17, 1906. A. SANTAELLA & CO., Chicago, Ill. Renewed April 17, 1926, to A. Santaella & Co. Inc., New York, N. Y., and Tampa and Key West, Fla., a Corporation of Florida, assignee by mesne assignments.

51,392. CIGARS. Registered April 17, 1906. A. SANTAELLA & CO., Chicago, Ill. Renewed April 17, 1926, to A. Santaella & Co. Inc., New York, N. Y., and Tampa and Key West, Fla., a Corporation of Florida, assignee by mesne assignments.

51,393. CIGARS. Registered April 17, 1906. A. SANTAELLA & CO., Chicago, Ill. Renewed April 17, 1926, to A. Santaella & Co. Inc., New York, N. Y., and Tampa and Key West, Fla., a Corporation of Florida, assignee by mesne assignments.

51,414. LEAD PENCILS. Registered April 17, 1906. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,416. TURKEY-RED OIL AND SOLUBLE GREASE. Registered April 17, 1906. THE ARABOL MANUFACTURING CO., New York, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,574. SHIPS' LOGS. Registered April 17, 1906. THOMAS WALKER & SON LTD. Renewed April 17, 1926, to Thomas Walker & Son, Limited, Birmingham, England, a Corporation of Great Britain.

51,630. HORSE COVERS, SADDLE HOUSINGS, LAP ROBES, AND DUSTERS. Registered April 17, 1906. WILLIAM AYRES & SONS. Renewed April 17, 1926, to William Ayres & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

51,677. LUBRICATING OILS. Registered April 24, 1906. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed April 24, 1926, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

51,749. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,751. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,752. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,753. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,755. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,940. AN OINTMENT. Registered April 24, 1906. L. C. NICKERSON, Denver, Colo. Renewed April 24, 1926, to Harriet E. Nickerson, Glendale, Calif., successor.

51,976. A METAL AND WOOD PRESERVATIVE PAINT. Registered May 1, 1906. TOCH BROTHERS. Renewed May 1, 1926, to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York, assignee.

51,988. OIL AND VARNISH PAINTS, ENAMELS, VARNISHES, AND WOOD STAINS. Registered May 1, 1906. GERSTENDORFER BROS. Renewed May 1, 1926, to Sapolin Co. Inc., New York, N. Y., a Corporation of New York, assignee.

52,014. PLAYING CARDS. Registered May 1, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,015. PLAYING CARDS. Registered May 1, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,016. PLAYING CARDS. Registered May 1, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,017. PLAYING CARDS. Registered May 1, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,018. PLAYING CARDS. Registered May 1, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,025. PLAYING CARDS. Registered May 1, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 1, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

52,026. PLAYING CARDS. Registered May 1, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 1, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

52,027. PLAYING CARDS. Registered May 1, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 1, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

52,028. PLAYING CARDS. Registered May 1, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 1, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

52,055. WATERPROOF STRUCTURAL AND ROOF PAINT. Registered May 1, 1906. THE ATLANTIC REFINING COMPANY. Renewed May 1, 1926, to The Arco Company, Cleveland, Ohio, a Corporation of Ohio, successor.

52,105. REFRIGERATORS. Registered May 1, 1906. MCCRAY REFRIGERATOR CO. Renewed May 1, 1926, to McCray Refrigerator Company, Kendallville, Ind., a Corporation of Indiana.

52,112. FLAVORING EXTRACTS. Registered May 1, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,165. LEAD PENCILS. Registered May 1, 1906. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., a Corporation of New York. Renewed May 1, 1926.

52,185. BAKING POWDER. Registered May 1, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,186. SPICES. Registered May 1, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,187. SIRUP. Registered May 1, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,211. BACON AND HAMS. Registered May 1, 1906. JOHN MORRELL & COMPANY, LIMITED. Renewed May 1, 1926, to John Morrell & Co., Ottumwa, Iowa, a Corporation of Maine, assignee.

52,382. SHIPS' LOGS AND SOUNDING MACHINES. Registered May 8, 1906. THOMAS WALKER & SON, LTD. Renewed May 8, 1926, to Thomas Walker & Son, Limited, Birmingham, England, a Corporation of Great Britain.

52,441. METALLIC WATER COLORS. Registered May 8, 1906. GERSTENDORFER BROS. Renewed May 8, 1926, to Sapolin Co. Inc., New York, N. Y., a Corporation of New York, assignee.

52,491. PLAYING CARDS. Registered May 8, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 8, 1926.

52,507. LAGER BEER. Registered May 8, 1906. CHRISTIAN FEIGENSPAN, a Corporation, Newark, N. J., a Corporation of New Jersey. Renewed May 8, 1926.

52,552. PLAYING CARDS. Registered May 15, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,554. PLAYING CARDS. Registered May 15, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,556. PLAYING CARDS. Registered May 15, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,558. PLAYING CARDS. Registered May 15, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,559. PLAYING CARDS. Registered May 15, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,629. SHOT. Registered May 15, 1906. SELBY SMELTING & LEAD COMPANY, San Francisco, Calif. Renewed May 15, 1926, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

52,630. SOLDER, BABBITT, OR OTHER ANTIFRICTION METAL. Registered May 15, 1906. SELBY SMELTING & LEAD COMPANY, San Francisco, Calif. Renewed May 15, 1926, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

52,631. LEAD TRAPS AND BENDS. Registered May 15, 1906. SELBY SMELTING & LEAD COMPANY, San Francisco, Calif. Renewed May 15, 1926, to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey, successor.

52,651. CANNED FRUITS AND VEGETABLES. Registered May 15, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 15, 1926.

52,661. SILVER POLISH IN LIQUID, POWDER, OR PASTE FORM. Registered May 15, 1906. GORHAM MFG. CO. Renewed May 15, 1926, to Gorham Mfg. Company, Providence, R. I., a Corporation of Rhode Island.

52,703. SHIP LOGS AND SOUNDING MACHINES. Registered May 15, 1906. THOMAS WALKER & SON, LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed May 15, 1926.

52,704. SHIP LOGS. Registered May 15, 1906. THOMAS WALKER & SON LTD. Renewed May 15, 1926, to Thomas Walker & Son, Limited, Birmingham, England, a Corporation of Great Britain.

52,705. SHIP LOGS AND SOUNDING MACHINES. Registered May 15, 1906. THOMAS WALKER & SON, LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed May 15, 1926.

52,729. CERTAIN NAMED CHEMICAL PREPARATIONS. Registered May 15, 1906. MCKESSON & ROBBINS, New York, N. Y. Renewed May 15, 1926, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., a Corporation of New York, successor.

52,739. COFFEE. Registered May 15, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 15, 1926.

52,740. TEA. Registered May 15, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 15, 1926.

52,821. RUBBER HOSE. Registered May 15, 1906. SPECK, MARSHALL & Co. Renewed May 15, 1926, to Speck-Marshall Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

52,830. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,831. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,832. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,833. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,834. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,835. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,836. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,837. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,838. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,851. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,852. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,864. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,865. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,866. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,867. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,868. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,869. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,870. BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON Co. Renewed May 22, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

52,925. SEWING MACHINES AND SEWING-MACHINE PARTS AND ATTACHMENTS. Registered May 22, 1906. WILLCOX & GIBBS SEWING MACHINE CO., New York, N. Y., a Corporation of New York. Renewed May 22, 1926.

52,926. SEWING MACHINES AND SEWING-MACHINE PARTS AND ATTACHMENTS. Registered May 22, 1906. WILLCOX & GIBBS SEWING MACHINE CO., New York, N. Y., a Corporation of New York. Renewed May 22, 1926.

53,013. BAKING POWDER. Registered May 22, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 22, 1926.

53,014. EXTRACTS. Registered May 22, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 22, 1926.

53,018. CERTAIN NAMED FABRICS. Registered May 22, 1906. UNION FIBRE CO. Renewed May 22, 1926, to Union Fibre Co., Incorporated, Winona, Minn., a Corporation of Minnesota, successor.

53,063. PLAYING CARDS. Registered May 22, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 22, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

53,089. PLAYING CARDS. Registered May 22, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 22, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

53,131. PLAYING CARDS. Registered May 29, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed May 29, 1926.

53,145. BRUSHES OF ALL KINDS. Registered May 29, 1906. JOHN L. WHITING & SON Co. Renewed May 29, 1926, to John L. Whiting-J. J. Adams Company, Boston, Mass., a Corporation of Massachusetts, assignee.

53,252. LINEN THREAD. Registered May 29, 1906. L. LICHTENSTEIN'S SONS, Richmond, Va. Renewed May 29, 1926.

53,406. PLAYING CARDS. Registered June 5, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,422. CHECKING CRAYONS, SCHOOL CRAYONS, AND MARKING CRAYONS. Registered June 5, 1906. JOSEPH M. HOYT. Renewed June 5, 1926, to Standard Crayon Manufacturing Co., Danvers, Mass., a Corporation of Massachusetts, successors.

53,427. PLAYING CARDS. Registered June 5, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,484. AROMATIC FOOD PREPARATIONS FOR ANIMALS. Registered June 5, 1906. HORATIO M. GRIFFIN, Galt, Canada. Renewed June 5, 1926.

53,552. UNDERWAISTS. Registered June 5, 1906. EDWARD H. HORWOOD, New York, N. Y. Renewed June 5, 1926, to E. H. Horwood Co., Hoboken, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,659. RAZORS. Registered June 12, 1906. HERMANN HESSENBRUCH. Renewed June 12, 1926, to H. Hessenbruch Company, Philadelphia, Pa., successor.

53,685. PLANERS AND PLANE IRONS. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,727. LUBRICATING OILS AND GREASE. Registered June 12, 1906. CHARLES F. KELLOM, Philadelphia, Pa. Renewed June 12, 1926.

53,892. BLEACHED, GRAY, PRINTED, AND FANCY DAMASKS. Registered June 12, 1906. NEUSS, HESSLEIN & Co. Renewed June 12, 1926, to Neuss, Hesslein & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,930. A LAXATIVE REMEDY. Registered June 12, 1906. MCKESSON & ROBBINS, New York, N. Y. Renewed June 12, 1926, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., a Corporation of New York, successor.

53,931. A CERTAIN NAMED MEDICINE. Registered June 12, 1906. EDMOND R. MORAS, Chicago, Ill. Renewed June 12, 1926, to Edmond R. Moras, Highland Park, Ill.

53,961. PRESERVATIVE PAINT FOR THE BOTTOMS OF SHIPS AND BOATS. Registered June 19, 1906. TARR & WONSON LIMITED, Gloucester, Mass., a Corporation of Massachusetts. Renewed June 19, 1926.

53,962. PRESERVATIVE PAINT FOR THE BOTTOMS OF VESSELS AND BOATS. Registered June 19, 1906. TARR & WONSON, LIMITED, Gloucester, Mass., a Corporation of Massachusetts. Renewed June 19, 1926.

54,036. LEATHER PURSES AND HAND BAGS. Registered June 19, 1906. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed June 19, 1926.

54,077. UMBRELLAS AND PARASOLS. Registered June 19, 1906. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed June 19, 1926.

54,116. MALT WINE. Registered June 19, 1906. NEW ENGLAND BREWING CO., Boston, Mass., a Corporation of Massachusetts. Renewed June 19, 1926.

54,274. AN ANALGESIC AND SEDATIVE. Registered June 26, 1906. THE DR. MILES MEDICAL CO. Renewed June 26, 1926, to The Dr. Miles Medical Co., Elkhart, Ind., a Copartnership, assignee.

54,331. PLATED SILVERWARE. Registered June 26, 1906. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed June 26, 1926.

54,356. RAZORS AND KNIVES. Registered June 26, 1906. ADOLPH KASTOR & BROS., New York, N. Y. Renewed June 26, 1926.

54,399. CANNED FRUITS AND VEGETABLES. Registered June 26, 1906. WAYNE COUNTY PRESERVING CO. Renewed June 26, 1926, to Edgett-Burnham Company, Newark, N. Y., a Corporation of New York, successor.

54,451. PLAYING CARDS. Registered June 26, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 26, 1926.

54,452. PLAYING CARDS. Registered June 26, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 26, 1926.

54,476. PORTLAND CEMENT. Registered June 26, 1906. PACIFIC PORTLAND CEMENT CO. Renewed June 26, 1926, to Pacific Portland Cement Company, Consolidated, San Francisco, Calif., a Corporation of California, assignee.

54,597. LEATHER WRITING SETS AND WRITING PADS AND LEATHER-BOUND BLOTTING PADS. Registered June 26, 1906. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed June 26, 1926.

54,687. SHIP LOGS AND SOUNDING MACHINES. Registered June 26, 1906. THOMAS WALKER & SON, LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed June 26, 1926.

54,692. SILVER HOLLOW WARE, FLATWARE, AND TABLEWARE. Registered June 26, 1906. WILCOX & WAGONER COMPANY, New York, N. Y. Renewed June 26, 1926, to The Watson Company, Attleboro, Mass., a Corporation of Massachusetts, assignee.

54,741. SAWS OF ALL KINDS. Registered June 26, 1906. E. C. ATKINS & COMPANY, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada. Renewed June 26, 1926, to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana.

54,763. STERLING AND SOLID SILVER HOLLOW WARE, FLATWARE, AND TABLEWARE. Registered June 26, 1906. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed June 26, 1926.

54,785. PORTLAND CEMENT. Registered July 31, 1906. I. C. JOHNSON & CO., LIMITED. Renewed July 31, 1926, to The British Portland Cement Manufacturers Limited, London, England, a Corporation of Great Britain, assignee.

54,795. WASHING POWDER. Registered July 31, 1906. RUSCHHAUPT BROS., Fresno, Calif. Renewed July 31, 1926, to Western Soap and Chemical Co., Los Angeles, Calif., a Corporation of California, assignee.

54,806. SOLUBLE OIL AND GREASE. Registered July 31, 1906. THE ARABOL MANUFACTURING CO., New York, N. Y., a Corporation of New York. Renewed July 31, 1926.

54,856. SERIAL PUBLICATIONS. Registered July 31, 1906. THE RAILWAY EQUIPMENT & PUBLICATION CO., New York, N. Y., a Corporation of New Jersey. Renewed July 31, 1926.

54,971. CERTAIN NAMED TOILET PREPARATIONS. Registered August 7, 1906. DR. J. PARKER PRAY COMPANY, LIMITED. Renewed August 7, 1926, to J. Parker Pray, Inc., New York, N. Y., a Corporation of New York, assignee.

54,986. A LIQUID HEADACHE MEDICINE. Registered August 7, 1906. TREADWELL & MOORE. Renewed August 7, 1926, to Melvin M. Hinton, doing business as The Hed-Lyte Company, Dallas, Tex., assignee.

55,001. PAINT OILS. Registered August 7, 1906. THE KAY AND ESS CO., Dayton, Ohio, a Corporation of Ohio. Renewed August 7, 1926.

55,002. MIXED PAINTS. Registered August 7, 1906. THE KAY AND ESS CO., Dayon, Ohio, a Corporation of Ohio. Renewed August 7, 1926.

55,032. HAIR AND WOOL CLIPPERS AND THEIR PARTS. Registered August 7, 1906. AMERICAN SHEARER MFG. CO., Nashua, N. H., a Corporation of New Hampshire. Renewed August 7, 1926.

55,063. HAIR, CLOTHES, AND HAT BRUSHES. Registered August 7, 1906. FLORENCE MANUFACTURING COMPANY. Renewed August 7, 1926, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a Corporation of Massachusetts, assignee.

55,064. TOOTHBRUSHES. Registered August 7, 1906. FLORENCE MANUFACTURING COMPANY. Renewed August 7, 1926, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a Corporation of Massachusetts, assignee.

55,071. LEATHER BOOTS AND SHOES. Registered August 7, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed August 7, 1926.

55,077. SLEDS. Registered August 7, 1906. S. L. ALLEN & CO. Renewed August 7, 1926, to S. L. Allen & Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,183. ROASTED COFFEE. Registered August 7, 1906. MERCHANTS COFFEE CO. Renewed August 7, 1926, to The Merchants Coffee Company, Baltimore, Md., a Corporation of Maryland, assignee.

55,184. TEAS. Registered August 7, 1906. NEW ORLEANS IMPORT CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed August 7, 1926.

55,233. MILK, CREAM, AND BUTTERMILK. Registered August 7, 1906. BORDEN'S CONDENSED MILK CO., Jersey City, N. J., and New York, N. Y. Renewed August 7, 1926, to The Borden Company, New York, N. Y., a Corporation of New Jersey, assignee.

55,309. LEATHER SHOES. Registered August 14, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed Aug. 14, 1926.

55,310. LEATHER BOOTS AND SHOES. Registered August 14, 1906. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed August 14, 1926.

55,340. ORGANS. Registered August 14, 1906. W. W. KIMBALL COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 14, 1926.

55,341. HORSE BLANKETS. Registered August 14, 1906. WILLIAM AYRES & SONS. Renewed August 14, 1926, to William Ayres & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,343. CERTAIN NAMED PAPERS. Registered August 14, 1906. DILL & COLLINS CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,344. WRAPPING PAPER. Registered August 14, 1906. DILL & COLLINS CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,459. A GAME. Registered August 14, 1906. MILTON BRADLEY COMPANY, Springfield, Mass., a Corporation of Massachusetts. Renewed August 14, 1926.

55,496. BELT FASTENERS. Registered August 14, 1906. CLARA S. EATON, New York, N. Y. Renewed August 14, 1926.

55,508. PLAYING CARDS. Registered August 14, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed August 14, 1926.

55,509. PLAYING CARDS. Registered August 14, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed August 14, 1926.

55,583. DOLLS. Registered August 14, 1906. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Renewed August 14, 1926, to Strawbridge & Clothier, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,590. COTTON PIECE GOODS. Registered August 21, 1906. AMORY, BROWNE & CO., Boston, Mass. Renewed August 21, 1926.

55,593. CONDITION POWDERS. Registered August 21, 1906. FREDC. G. BOYNTON, Boston, Mass. Renewed August 21, 1926, to I. S. Johnson & Co. Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

55,607. A VERMIFUGE. Registered August 21, 1906. GILPIN, LANGDON & COMPANY, INCORPORATED, Baltimore, Md. Renewed August 21, 1926, to Gilpin, Langdon & Company, Incorporated, Baltimore, Md., a Corporation of Maryland, assignee.

55,666. HAIR RESTORATIVES AND HAIR TONICS. Registered August 21, 1906. THE CITIZENS' WHOLESALE SUPPLY COMPANY, Columbus, Ohio, a Corporation of Ohio. Renewed August 21, 1926.

55,688. PATENT LEATHER. Registered August 21, 1906. KEYSTONE LEATHER CO. Renewed August 21, 1926, to Bristol Patent Leather Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,708. PILLS. Registered August 21, 1906. POTTER DRUG & CHEMICAL CORPORATION, Portland, Me., and Boston, Mass., a Corporation of Maine. Renewed August 21, 1926.

55,721. A TONIC RECONSTRUCTIVE HISTOGENETIC. Registered August 21, 1906. THEODORE W. STEMMLER, New York, N. Y. Renewed August 21, 1926.

55,725. DYES FOR TREATING FABRICS. Registered August 21, 1906. WILLIAM EDGE & SONS LIMITED, Bolton, England, a Corporation of Great Britain. Renewed August 21, 1926.

55,809. CERTAIN NAMED TOILET PREPARATIONS. Registered August 21, 1906. THE CITIZENS' WHOLESALE SUPPLY CO. Renewed August 21, 1926, to The Citizens' Wholesale Supply Company, Columbus, Ohio, a Corporation of Ohio.

55,857. MOPS, MOP HEADS, AND MOP PARTS. Registered August 21, 1906. MASSACHUSETTS ASSOCIATION FOR PROMOTING THE INTERESTS OF THE ADULT BLIND, Boston, Mass. Renewed August 21, 1926, to Grace T. Nixon, administratrix of Frederick W. Pendergast, deceased, Cambridge, Mass., assignee by mesne assignments.

55,875. LAGER BEER. Registered August 21, 1906. IROQUOIS BREWING CO., Buffalo, N. Y. Renewed August 21, 1926, to Iroquois Beverage Corporation, Buffalo, N. Y., a Corporation of New York, assignee.

55,950. COTTON SHEETINGS AND DRILLINGS. Registered August 21, 1906. PIEDMONT MFG. CO., Piedmont, S. C., a Corporation of South Carolina. Renewed August 21, 1926.

55,962. ROPE, CORD, LINES, AND TWINE, MANUFACTURED FROM VEGETABLE FIBRE. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

55,963. BAGGING. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

55,964. BAGGING. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

55,965. BAGGING. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

56,005. ATOMIZERS AND POWDER BLOWERS. Registered August 21, 1906. THE DE VILBISS MANUFACTURING COMPANY, Toledo, Ohio. Renewed August 21, 1926, to The De Vilbiss Manufacturing Co., Toledo, Ohio, a Corporation of Ohio.

56,028. BAGGING. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

56,029. BAGGING. Registered August 21, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 21, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

56,030. BAGGING. Registered August 27, 1906. THE AMERICAN MANUFACTURING COMPANY, New York, N. Y. Renewed August 27, 1926, to American Manufacturing Company, Brooklyn, N. Y., a Corporation of Massachusetts, assignee.

56,083. SELF-RAISING PREPARED FLOUR. Registered August 21, 1906. RELIABLE FLOUR COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed August 21, 1926.

56,097. HOSIERY. Registered August 21, 1906. WAYNE KNITTING MILLS, Fort Wayne, Ind., a Corporation of Indiana. Renewed August 21, 1926.

56,098. HOSIERY. Registered August 21, 1906. WAYNE KNITTING MILLS, Fort Wayne, Ind., a Corporation of Indiana. Renewed August 21, 1926.

56,105. WATCHES AND CLOCKS. Registered August 21, 1906. TIFFANY & COMPANY, New York, N. Y., a Corporation of New York. Renewed August 21, 1926.

56,142. HOSIERY. Registered August 28, 1906. PARAMOUNT KNITTING CO. Renewed August 28, 1926, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

56,144. HOSIERY. Registered August 28, 1906. PARAMOUNT KNITTING CO. Renewed August 28, 1926, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

56,145. HOSIERY. Registered August 28, 1906. PARAMOUNT KNITTING CO. Renewed August 28, 1926, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

56,172. COIN-OPERATED VENDING MACHINES. Registered August 28, 1906. MILLS NOVELTY CO., Chicago, Ill., a Corporation of Illinois. Renewed August 28, 1926.

56,278. SAFES. Registered September 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Renewed September 4, 1926, to Herring-Hall-Marvin Safe Company, New York, N. Y., a Corporation of New York.

56,279. SAFES. Registered September 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Renewed September 4, 1926, to Herring-Hall-Marvin Safe Company, New York, N. Y., a Corporation of New York.

56,282. KNIVES FOR MOWERS AND REAPERS. Registered September 4, 1906. THE WHITMAN & BARNES MANUFACTURING CO., Akron, Ohio, a Corporation of Ohio. Renewed September 4, 1926.

56,287. SAFES. Registered September 4, 1906. HERRING-HALL-MARVIN SAFE COMPANY, Hamilton, Ohio, and New York, N. Y. Renewed September 4, 1926, to Herring-Hall-Marvin Safe Company, New York, N. Y., a Corporation of New York.

56,298. CANNED CORN. Registered September 4, 1906. PORTLAND PACKING CO., Portland, Me. Renewed September 4, 1926.

56,310. LOCKS, PADLOCKS, AND KEYS. Registered September 11, 1906. MILLER LOCK COMPANY, Philadelphia, Pa. Renewed September 11, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

56,311. LOCKS, PADLOCKS, AND KEYS. Registered September 11, 1906. MILLER LOCK COMPANY, Philadelphia, Pa. Renewed September 11, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

56,312. LOCKS, PADLOCKS, AND KEYS. Registered September 11, 1906. MILLER LOCK COMPANY, Philadelphia, Pa. Renewed September 11, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

LABELS

REGISTERED APRIL 27, 1926.

30,248.—*Title:* ALVA-WAVOLENE. For Hairdressing. ALFONSO DEVALDEZ ALVAREZ, doing business as Dr. Alvarez, Middletown, N. Y. Published October 15, 1925.

30,249.—*Title:* SPRING GARDEN. For Whisky. BALTIMORE DISTILLING COMPANY OF BALTIMORE, MD., Baltimore, Md. Published January 5, 1924.

30,250.—*Title:* MYS-TIX. For a Wood-Block-Assembly Puzzle. MORTON S. BROCKMAN, doing business as Morton Novelty Co., Cleveland, Ohio. Published March 2, 1926.

30,251.—*Title:* PEKOE, BUDS, AND ORANGE PEKOE TEA. For Pekoe, Buds, and Orange Pekoe Tea. DELANO, POTTER & CO., INC., Boston, Mass. Published March 20, 1926.

30,252.—*Title:* LA BODA. For Cigars. DON NIETO CIGAR FACTORY, Chicago, Ill. Published July 1, 1924.

30,253.—*Title:* MONTE CUBA. For Cigars. FAMO CIGAR CO., Milwaukee, Wis. Published January 4, 1926.

30,254.—*Title:* MAGNESIO. For a Laxative Solution. MAURICE E. FRISHMAN, doing business as National Drug Co., Paterson, N. J. Published December 1, 1925.

30,255.—*Title:* PEPTICATED CHEWING GUM. For Chewing Gum. GREENE CIRCLE PRODUCTS CO., doing business as Greene Circle, Chicago, Ill. Published March 20, 1926.

30,256.—*Title:* ROMAN HAND REJUVENANT. For Skin Food. MARY GREENE, New York, N. Y. Published March 15, 1926.

30,257.—*Title:* GALACITE. For a Puncture Seal for Tires. CHARLES F. JOHNSON, doing business as C. F. Johnson & Co., Chicago, Ill. Published January 26, 1926.

30,258.—*Title:* LEE'S LOVE SECRET. For a Facial Pack. ARTHUR R. LEE, doing business as Art Lee, Hollywood, Calif. Published November 26, 1925.

30,259.—*Title:* DERBY BRAND RED HOT PEPPER SAUCE MANUFACTURED BY LEWIS & BAILEY NEW YORK. For a Pepper Sauce, a Food Preparation. LEWIS AND BAILEY, New York, N. Y. Published February 10, 1926.

30,260.—*Title:* VALLEY LILY. For Evaporated Milk. HERBERT W. LOW, doing business as The H. W. Low Co., Oakland, Calif. Published March 12, 1926.

30,261.—*Title:* DAIRY MAID. For Evaporated Milk. HERBERT W. LOW, doing business as The H. W. Low Co., Oakland, Calif. Published March 12, 1926.

30,262.—*Title:* BLAU TUCH CLEANSING CLOTH. For Cleansing Cloths. BENJAMIN MACKLEY, Pittsburgh, Pa. Published February 27, 1926.

30,263.—*Title:* STEEL CUT. For Coffee. THE MCATEE NEWELL COFFEE CO., INC., Bloomington, Ill. Published March 23, 1926.

30,264.—*Title:* COFFEE. For Coffee. THE MCATEE NEWELL COFFEE CO., INC., Bloomington, Ill. Published March 23, 1926.

30,265.—*Title:* WORLD BEATER. For Candy. MELVIN CANDY CO., Chicago, Ill. Published January 28, 1926.

30,266.—*Title:* ALL AMERICAN. For Candy. MELVIN CANDY CO., Chicago, Ill. Published January 28, 1926.

30,267.—*Title:* MOREAU AUTO CLEANER. For Auto Cleaner. OTTO LEOPOLD MOREAU, Richmond, Va. Published September 28, 1925.

30,268.—*Title:* "ACTS BY SUCTION" "NICHOLS NASAL SYPHON". For Nasal Siphons. HELEN E. NICHOLS, New York, N. Y. Published March 1, 1926.

30,269.—*Title:* PERRYMAN AMPLIFIER AND DETECTOR. For Vacuum Tubes. PERRYMAN ELECTRIC COMPANY, INC., New York, N. Y. Published October 1, 1925.

30,270.—*Title:* CHEX. For Soap. THE PIONEER PRODUCTS COMPANY, Dayton, Ohio. Published March 27, 1926.

30,271.—*Title:* CHEX. For Soap. THE PIONEER PRODUCTS COMPANY, Dayton, Ohio. Published March 27, 1926.

30,272.—*Title:* PAL. For Pile Ointment and Salve. ALBERT L. PROVENCHER, doing business as The Pal Co., Salem, Mass. Published March 24, 1926.

30,273.—*Title:* IVORI-CRAFT MEANS WHAT STERLING MEANS TO SILVER. For Flush Plates. REEVES ENGINEERING CORPORATION, Newark, N. J. Published October 30, 1925.

30,274.—*Title:* FLUSH PLATES. For Flush Plates. REEVES ENGINEERING CORPORATION, Newark, N. J. Published November 30, 1925.

30,275.—*Title:* CRINKLE CREPE SHELF PAPER. For Crinkle Shelf Paper. THE RICHARDSON COMPANY, Lockland, Ohio, assignor to The Tuttle Press Company, Appleton, Wis. Published August 8, 1925.

30,276.—*Title:* FLY-FOIL. For Fly Spray and Insecticide. J. B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Published December 11, 1925.

30,277.—*Title:* THE GIANT ALL STEEL HAME NO. 1225. For Hames. U. S. HAME COMPANY, Buffalo, N. Y. Published January 26, 1926.

PRINTS

REGISTERED APRIL 27, 1926.

8,738.—*Title:* BETTER SERVICE STORES. For Groceries. BETTER SERVICE STORES, Brockton, Mass. Published September 14, 1925.

8,739.—*Title:* PEPSODENT. THE NEW-DAY TOOTH PASTE—BEAUTY DEMANDS TEETH LIKE PEARLS. For Tooth Paste. THE PEPSODENT CO., Chicago, Ill. Published January 5, 1926.

8,740.—*Title:* FASHIONABLE FROCKS. For Dresses. STERN-IMBERT CO., New York, N. Y. Published January 14, 1926.

8,741.—*Title:* WATERMAN'S IDEAL FOUNTAIN PEN TREASURE CHEST. For Fountain Pens. L. E. WATERMAN COMPANY, doing business as Waterman's, New York, N. Y. Published November 1, 1925.

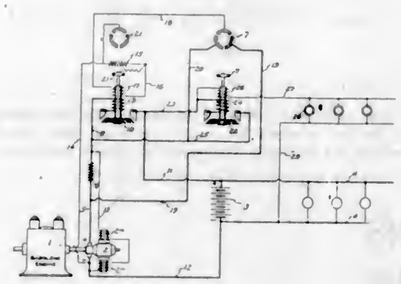
8,742.—*Title:* TREASURE CHEST OF TODAY. For Fountain Pens. L. E. WATERMAN COMPANY, doing business as Waterman's, New York, N. Y. Published November 1, 1925.

8,743.—*Title:* IN THE TREASURE CHEST OF TODAY. For Fountain Pens. L. E. WATERMAN COMPANY, doing business as Waterman's New York, N. Y. Published November 1, 1925.

REISSUES

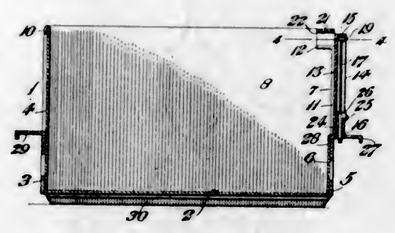
APRIL 27, 1926.

16,334. LIGHTING EQUIPMENT AND STARTING ARRANGEMENT FOR GASOLINE ENGINES OR GASOLINE MOTOR CARS. WILLIAM L. BLISS, Niagara Falls, N. Y., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Mar. 25, 1921. Serial No. 455,590. Original No. 1,359,022, dated Nov. 16, 1920, Serial No. 568,909, filed June 25, 1910. 12 Claims. (Cl. 290—31.)



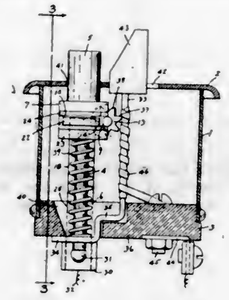
9. The combination of an engine, an electric machine connected thereto, a secondary battery, an automatic switch for controlling the charge of the battery by the electric machine, and a switch for cutting out the automatic switch and connecting the battery to the electric machine, whereby the same may be operated as a motor for starting the engine.

16,335. TOTE BOX. ALBERT H. LEVENE, Newark, N. J. Filed May 22, 1922. Serial No. 562,841. Original No. 1,336,972, dated Apr. 13, 1920, Serial No. 325,922, filed Sept. 24, 1919. 12 Claims. (Cl. 220—97.)



1. A tote box having sides, a bottom, ends, and an open and unobstructed top, stacking means operatively connected with said box, one of said ends having a cutaway portion to form a front replenishing and delivery opening when the box is stacked, the remaining fixed portion of such end preventing articles falling out of the box when it is being carried around, and a reinforcing member at the upper front end of said box and connected to its sides.

16,336. THERMALLY-OPERABLE SELF-SOLDERING CIRCUIT BREAKER. ROY H. MAPLE, Indianapolis, Ind., assignor to R. H. Maple Co., Indianapolis, Ind., a Corporation. Filed Dec. 21, 1925. Serial No. 76,939. Original application filed Apr. 26, 1918, Serial No. 230,882. Renewed Oct. 24, 1923. Original No. 1,478,481, dated Dec. 25, 1923. 52 Claims. (Cl. 200—124.)

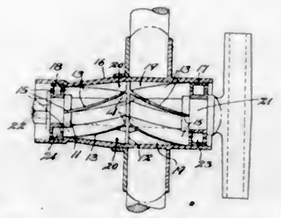


1. A self-soldering circuit breaker, including a locking pinion, a support formed of one strip of metal and having angularly extending ends to which said pinion is soldered, and means in which said angular ends of the pinion support are removably supported for passing an electric current longitudinally through said support.

16,337. BEARING LUBRICATOR. CLARENCE G. EDWARDS, Los Angeles, Calif. Filed Sept. 16, 1925. Serial No. 56,775. Original No. 1,551,649, dated Sept. 1, 1925, Serial No. 9,485, filed Feb. 16, 1925. 11 Claims. (Cl. 308—118.)

8. In combination with a rotative device and stationary end bearing devices therefor and which form a lubricant containing chamber, a lubricator having blades extending longitudinally in the chamber and extending to the concave surface of the chamber so as to gather the centrifugally thrown oil and said blades pitching helically on the axis of the rotating part so as to carry and force the oil toward the end-bearing devices, all of the blades being rigidly connected with and pitching rearward, as to

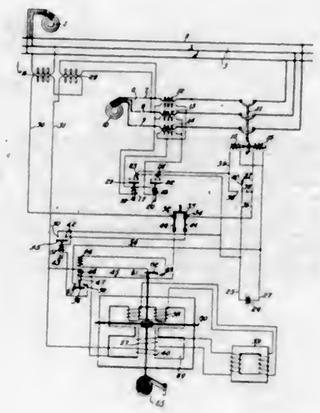
direction of rotation, from a transverse web intermediate the length of the chamber, and said web providing a



hollow center for entry of an inserted part, and said blades extending in symmetrical sets from each side of the intermediate connecting web.

16,338. ARC EXTINGUISHER. FORREST E. RICKETTS, Catonsville, Md. Filed May 5, 1920. Serial No. 379,146. Original No. 1,308,257, dated July 1, 1919, Serial No. 83,786, filed Mar. 13, 1916. 11 Claims. (Cl. 175—294.)

4. In a system of distribution, the combination with a circuit interrupter and means for tripping it when an arc obtains on the system, of a relay for reclosing the interrupter, transformers differentially connected to the terminals of the interrupter to energize the relay to reclose the interrupter, a definite time-limit relay adapted to prevent the automatic reclosure of the circuit interrupter when the arc persists for a predetermined time period, and means for normally reclosing the circuit interrupter.



DESIGNS

APRIL 27, 1926.

69,978. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y. Filed Apr. 19, 1923. Serial No. 5,858. Term of patent 14 years.

The ornmental design for a spoon or similar article substantially as shown and described.

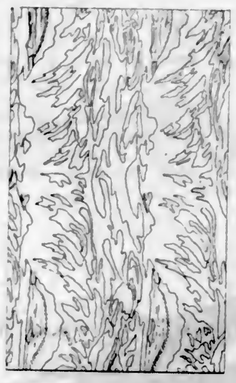
69,979. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y. Filed Apr. 19, 1923. Serial No. 5,859. Term of patent 14 years.

The ornamental design for a spoon or similar article substantially as shown and described.

69,980. COFFEEPOT OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y., a Corporation of New York. Filed Aug. 24, 1925. Serial No. 14,578. Term of patent 14 years.

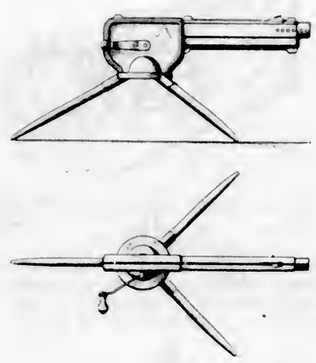
The ornamental design for a coffeepot or similar article as shown.

69,981. TEXTILE FABRIC. FRANCIS ANDERSON, Portadown, Ireland. Filed Jan. 23, 1926. Serial No. 16,247. Term of patent 14 years.



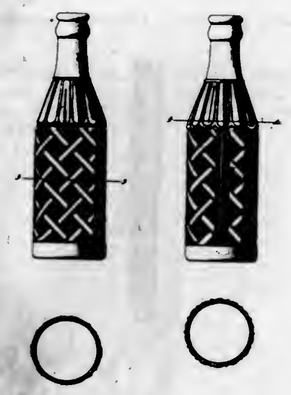
The ornamental design for textile fabric substantially as shown.

69,982. TOY. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 11, 1926. Serial No. 16,487. Term of patent 7 years.



The ornamental design for a toy, as shown.

69,983. BOTTLE. JESSE L. BRAMBLE, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,536. Term of patent 14 years.



The ornamental design for a bottle as shown.

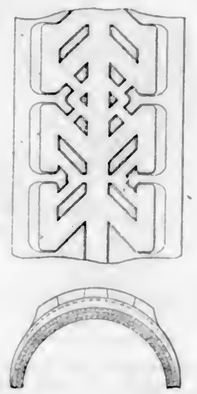
69,984. WATCHCASE APPENDAGE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 6, 1926. Serial No. 15,976. Term of patent 14 years.

The ornamental design for a watchcase appendage, substantially as shown.

69,985. FOUNTAIN PEN OR SIMILAR ARTICLE. NEIL CROWTHER, New York, N. Y. Filed Mar. 5, 1926. Serial No. 16,792. Term of patent 3½ years.

The ornamental design for a fountain pen or similar article, as shown.

69,986. TIRE. JULIEN F. CULLEN, Portland, Oreg., assignor to Columbia Tire Corporation, Portland, Oreg., a Corporation of Oregon. Filed Mar. 5, 1924. Serial No. 8,843. Term of patent 3½ years.

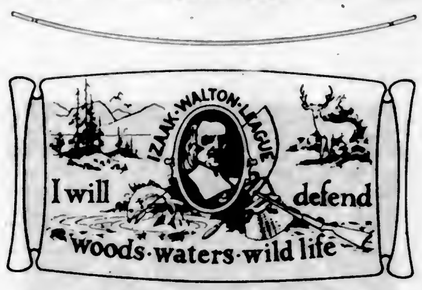


The ornamental design for a tire as shown.

69,987. ARTICLE OF FOOTWEAR. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 12, 1926. Serial No. 16,031. Term of patent 3½ years.

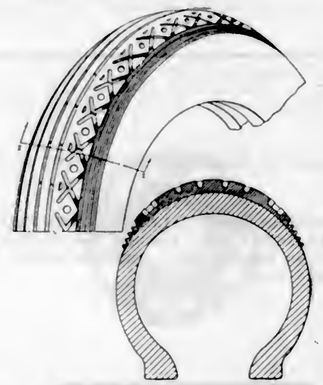
The ornamental design for an article of footwear, as shown.

69,988. EMBLEM OR SIMILAR ARTICLE. AUGUST C. DITTRICH, Chicago, Ill. Filed Apr. 8, 1925. Serial No. 13,058. Term of patent 7 years.



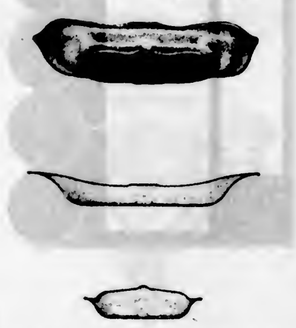
The ornamental design for an emblem or similar article substantially as shown.

69,989. AUTOMOBILE TIRE. GEORGE F. ENGLERT, Pittsburgh, Pa. Filed Sept. 23, 1925. Serial No. 14,877. Term of patent 14 years.



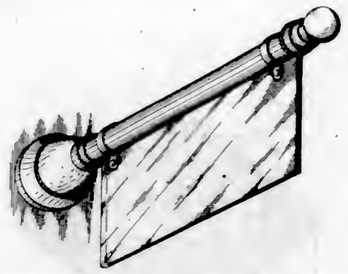
The ornamental design for an automobile tire, as shown.

69,990. METAL DISH OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y. Filed Feb. 25, 1925. Serial No. 12,485. Term of patent 7 years.



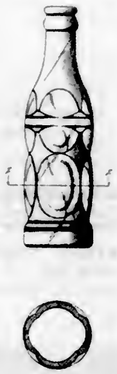
The ornamental design for a metal dish or similar article substantially as shown.

69,991. DISPLAY SIGN. CLARENCE A. FULLERTON, New York, N. Y. Filed Mar. 27, 1925. Serial No. 12,914. Term of patent 7 years.



The ornamental design for a display sign, substantially as shown.

69,992. BOTTLE. WILLIAM D. GRANNAN, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,535. Term of patent 14 years.



The ornamental design for a bottle, as shown.

69,993. BOTTLE. HOWARD C. HERGER, Port Allegany, Pa., assignor to The Pierce Glass Company, Port Allegany, Pa. Filed Feb. 10, 1926. Serial No. 16,473. Term of patent 7 years.

The ornamental design for a bottle, as shown.

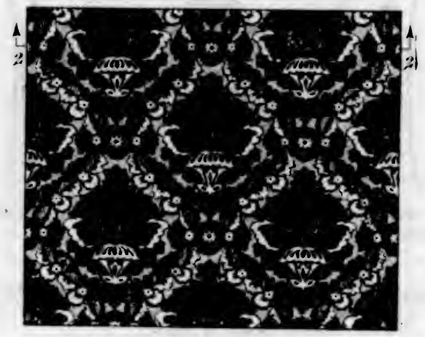
69,994. ROAD SIGN. JAMES W. JOHNSON, San Francisco, Calif. Filed Apr. 29, 1925. Serial No. 13,251. Term of patent 3½ years.

The ornamental design for a road sign, as shown.

69,995. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Nov. 26, 1924. Serial No. 11,494. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

69,996. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Mar. 8, 1926. Serial No. 16,822. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

69,997. COMBINATION CALENDAR AND KITCHEN-MEMORANDUM CARD. LEWIS R. KELLER, New York, N. Y. Filed Dec. 19, 1925. Serial No. 15,789. Term of patent 7 years.

The ornamental design for a combination calendar and kitchen memorandum card as shown.

69,998. LAMP MOUNTING. AUGUST JOSEPH KOLLMAN, New York, N. Y. Filed Jan. 30, 1926. Serial No. 16,330. Term of patent 7 years.

The ornamental design for a lamp mounting, substantially as shown.

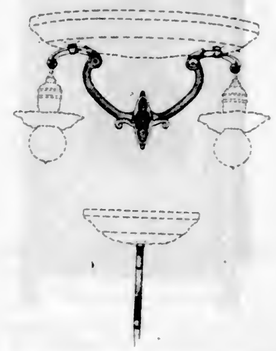
69,999. PLATE FOR ELECTRIC-LIGHTING FIXTURES. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,604. Term of patent 7 years.

The ornamental design for a plate for electric lighting fixtures, as shown.

70,000. LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,611. Term of patent 3½ years.

The ornamental design for a lighting fixture, as shown.

70,001. BRACKET FOR ELECTRIC-LIGHTING FIXTURES. ISIDORE KRANZ, New York, N. Y. Filed Feb. 24, 1926. Serial No. 16,649. Term of patent 3½ years.

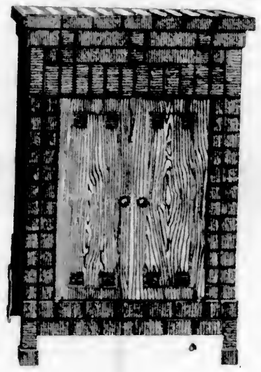


The ornamental design for a bracket for electric-lighting fixtures as shown.

70,002. RING. MAX KRONSTADT, Brooklyn, N. Y., assignor to Bristol Seamless Ring Company, New York, N. Y. Filed Feb. 2, 1926. Serial No. 16,370. Term of patent 14 years.

The ornamental design for a ring, substantially as shown.

70,003. HEATING-STOVE CASING. HENRY LANGE, Quincy, Ill. Filed Feb. 17, 1926. Serial No. 16,551. Term of patent 7 years.



The ornamental design for a heating-stove casing, as shown.

70,004. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,565. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,005. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,566. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,006. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,567. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,007. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,568. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,008. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,569. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,009. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1926. Serial No. 16,570. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,010. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1926. Serial No. 16,613. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,011. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1926. Serial No. 16,615. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,012. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1926. Serial No. 16,616. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,013. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1926. Serial No. 16,617. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,014. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,672. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,015. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,674. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

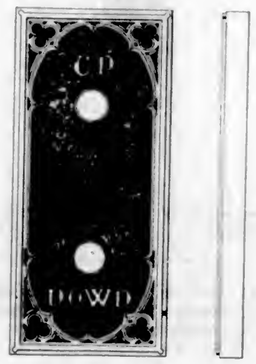
70,016. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,676. Term of patent 3½ years.

The ornamental design for an appliqué motif, substantially as shown.

70,017. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,677. Term of patent 3½ years.

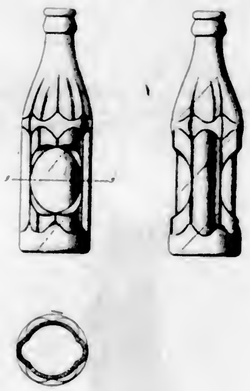
The ornamental design for an appliqué motif substantially as shown.

70,018. ELEVATOR-SIGNALING BOX. KENNETH D. LIGHTHIPE, East Orange, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Mar. 12, 1926. Serial No. 16,894. Term of patent 7 years.



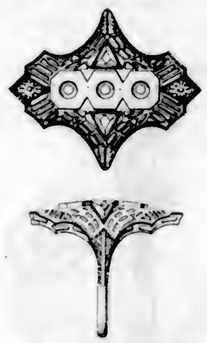
The ornamental design for an elevator signaling box as shown.

70,019. BOTTLE. JAMES T. LIVERS, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,534. Term of patent 14 years.



The ornamental design for a bottle, as shown.

70,020. RING. MAX F. MADIER and NATHAN MILENKO, New York, N. Y. Filed Nov. 30, 1925. Serial No. 15,591. Term of patent 7 years.



The ornamental design for a ring, as shown.

70,021. CANDLESTICK. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Feb. 25, 1926. Serial No. 16,661. Term of patent 14 years.

The ornamental design for a candlestick, as shown.

70,022. VANITY CASE. CHARLES LIONEL MARCUS, New York, N. Y. Filed Jan. 12, 1924. Serial No. 8,300. Term of patent 14 years.

The ornamental design for a vanity case as shown and described.

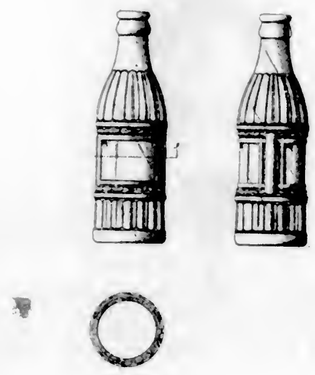
70,023. FINGER RING. JACOB H. MEYER, Newark, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed Feb. 20, 1926. Serial No. 16,621. Term of patent 7 years.

The ornamental design for a finger ring, as shown.

70,024. COMBINED CASING AND SUPPORT FOR HAIR DRIER. WILLIAM MEYER, Chicago, Ill. Filed Dec. 26, 1925. Serial No. 15,853. Term of patent 14 years.

The ornamental design for a combined casing and support for hair drier, as shown.

70,025. BOTTLE. FRANK ROBERT MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,538. Term of patent 14 years.



The ornamental design for a bottle, as shown.

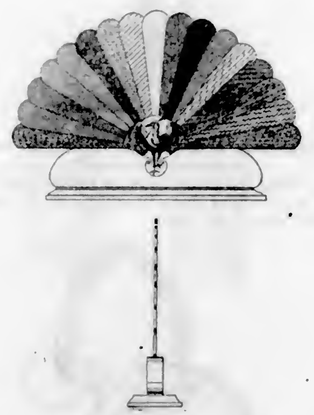
70,026. BELT BUCKLE. WILLIAM J. MORSE, Attleboro, Mass. Filed Dec. 29, 1924. Serial No. 11,820. Term of patent 3½ years.

The ornamental design for a belt buckle, as shown.

70,027. STREET-LIGHTING POST. JUSTUS F. NE PAGE, Seattle, Wash. Filed Dec. 23, 1925. Serial No. 15,834. Term of patent 3½ years.

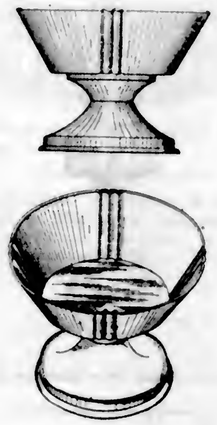
The ornamental design for a street lighting post, as shown.

70,028. COLOR-DISPLAY PANEL. HOMER B. PAYNE, Winnetka, Ill. Filed Mar. 1, 1926. Serial No. 16,708. Term of patent 14 years.



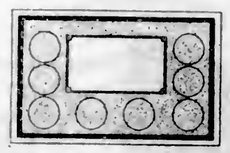
The ornamental design for a color display panel, as shown.

70,029. DISH HOLDER. PETER T. POTTS, Chicago, Ill., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 6, 1924. Serial No. 10,691. Term of patent 3½ years.



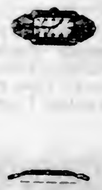
The ornamental design for a dish holder as shown.

70,030. COUPON. HENRY F. SCHWARZ, New York, N. Y., assignor to National Economic Plans, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,046. Term of patent 7 years.



The ornamental design for a coupon, as shown.

70,031. WRIST WATCH OR ARTICLE OF SIMILAR NATURE. LAZAR SELIBER, New York, N. Y. Filed Feb. 12, 1926. Serial No. 16,501. Term of patent 7 years.

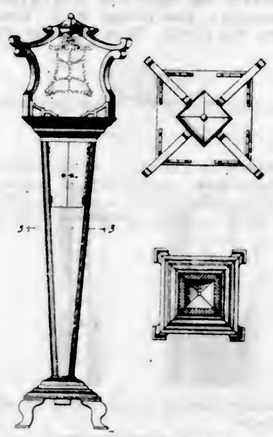


The ornamental design for a wrist watch or article of similar nature, as shown.

70,032. DECK OF CARDS. WILLIAM TAKUMA SETO, New York, N. Y. Filed Dec. 29, 1925. Serial No. 15,896. Term of patent 7 years.

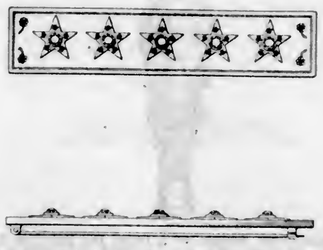
The ornamental design for a deck of cards, as shown.

70,033. LOUD-SPEAKER LAMP. EARL A. SHANKWEILER, Allentown, Pa. Filed Jan. 11, 1926. Serial No. 16,025. Term of patent 3½ years.



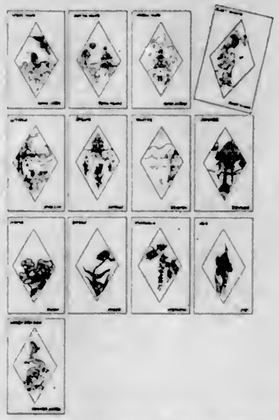
The ornamental design for a loud speaker lamp, as shown.

70,034. BREASTPIN. ERNEST J. SIPES, Falkner, Miss. Filed Feb. 26, 1926. Serial No. 16,688. Term of patent 7 years.



The ornamental design for a breast pin as shown.

70,035. SET OF PLAYING CARDS. ERNEST G. SLOMAN, San Francisco, Calif. Filed Mar. 8, 1923. Serial No. 5,411. Term of patent 14 years.



The ornamental design for a set of playing cards as shown.

70,036. BOTTLE OR SIMILAR CONTAINER. WILLIAM E. SWINDELL, East Orange, N. J. Filed Feb. 25, 1926. Serial No. 16,670. Term of patent 3½ years.

The ornamental design for a bottle or similar container, as shown.

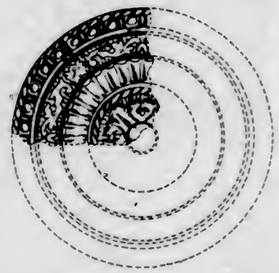
70,037. FINIAL FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to William R. Noe & Sons, a Copartnership, New York, N. Y. Filed Feb. 19, 1926. Serial No. 16,590. Term of patent 7 years.

The ornamental design for a finial for lighting fixtures, as shown.

70,038. KNOB FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 20, 1926. Serial No. 16,620. Term of patent 3½ years.

The ornamental design for a knob for lighting fixtures, as shown.

70,039. PLATE FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 17, 1926. Serial No. 16,553. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

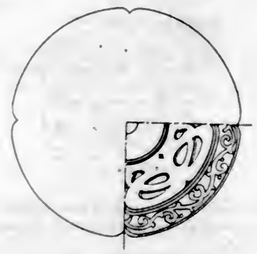
70,040. BANDING FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 17, 1926. Serial No. 16,554. Term of patent 7 years.

The ornamental design for a banding for lighting fixtures, as shown.

70,041. BANDING FOR LIGHTING FIXTURES. CHARLES DE QUETTEVILLE WHITTLE, Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 17, 1926. Serial No. 16,555. Term of patent 7 years.

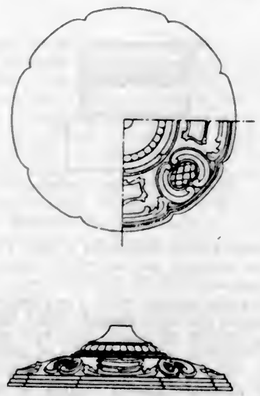
The ornamental design for a banding for lighting fixtures, as shown.

70,042. LAMP BASE. HERBERT A. WILLIAMS, Chicago, Ill., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1926. Serial No. 16,054. Term of patent 3½ years.



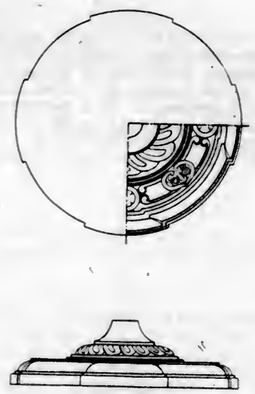
The ornamental design for a lamp base as shown.

70,043. LAMP BASE. HERBERT A. WILLIAMS, Chicago, Ill., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1926. Serial No. 16,055. Term of patent 3½ years.



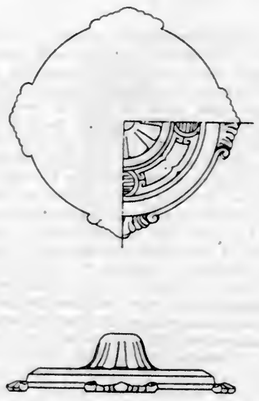
The ornamental design for a lamp base as shown.

70,044. LAMP BASE. HERBERT A. WILLIAMS, Chicago, Ill., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1926. Serial No. 16,056. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

70,045. LAMP BASE. HERBERT A. WILLIAMS, Chicago, Ill., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1926. Serial No. 16,057. Term of patent 3½ years.

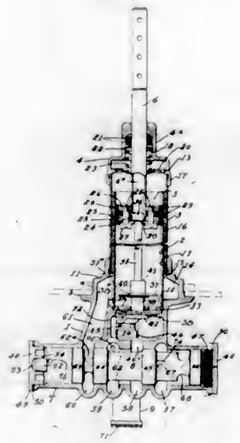


The ornamental design for a lamp base as shown.

PATENTS

GRANTED APRIL 27, 1926.

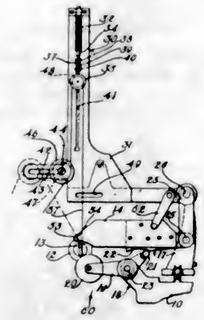
1,582,022. EXPANSIBLE-CHAMBER MOTOR. FRANK A. ADAMS, deceased, late of Rochester, N. Y., by Teresa Catherine Adams, administratrix, Rochester, N. Y., assignor, by mesne assignments, to Wash-All Machine Corporation, Rochester, N. Y., a Corporation of Delaware. Filed Mar. 3, 1923. Serial No. 622,609. 8 Claims. (Cl. 121—157.)



1. In an expansible chamber motor, a combined motor support and valve casing provided with inner and outer seats having a common axis and separated in the direction of said axis by an annular chamber within the casing, the outer seat being of greater diameter than the inner; a cylinder having one end secured to the inner seat, a cylindrical housing having one end secured to the outer seat and its outer end extending beyond the outer end of the cylinder, thereby forming between the cylinder and housing an annular passage way in communication with said annular chamber and with the interior of the cylinder at the outer end of the latter; a cap secured to the outer end of the cylindrical housing; a piston operating in the cylinder; a piston rod slidable through the cap; said combined support and casing having a valve chamber provided with inlet and exhaust ports and suitable ports and passageways of communication with said annular chamber and the inner end of the cylinder; and a valve for controlling said ports.

1,582,023. STRAND-WORKING MECHANISM. ARTHUR HERMAN ADAMS, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,107. 14 Claims. (Cl. 242—45.)

1. In a tension regulating device for strand working mechanism including means for advancing a strand, a pair of elements co-operating to regulate the tension in

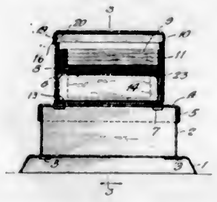


the strand and responsive in different degrees to a force tending to compress one of them and to expand the other.

1,582,024. PROCESS FOR UNITING METALS. GLEN D. BAGLEY, Great Neck, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed May 29, 1924. Serial No. 716,826. 7 Claims. (Cl. 22—205.)

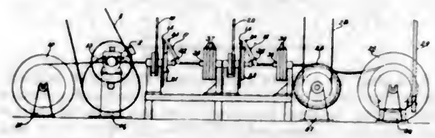
1. Process of uniting a metal of the chromium group with copper or a copper alloy which comprises causing nickel to alloy with the first metal, at least at its surface, and then causing the cupriferous metal to alloy with the material so formed.

1,582,025. SMOKER'S ARTICLE. EDWIN CALDWELL, New York, N. Y. Filed Feb. 14, 1924. Serial No. 692,664. 9 Claims. (Cl. 206—31.)



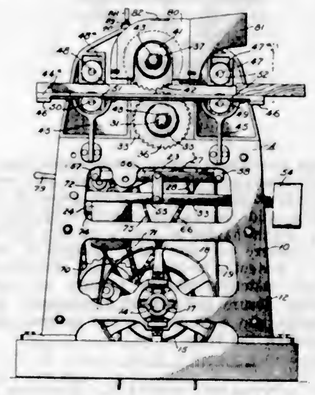
5. A smoker's article comprising a base, a vertical wall on said base forming an enclosure thereon in which cigars or cigarettes may be stored, a cover for said inclosure fitting the vertical wall, a vertical wall on said cover forming an enclosure thereon, and a horizontal wall dividing the second enclosure into two compartments, one for the reception of the contents of a match box and the other for the reception of the outer shell of said box, said second enclosure having therein an open window exposing the striking face of the box shell for the striking of matches.

1,582,026. METHOD OF AND APPARATUS FOR PRODUCING PLASTIC ARTICLES. AENEAS JOSEPH NORBERT DUCLOS, River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1923. Serial No. 636,070. 6 Claims. (Cl. 117—41.)



1. The method of serving a core, which consists in simultaneously serving a core with strand from a plurality of sources containing different amounts of serving material.

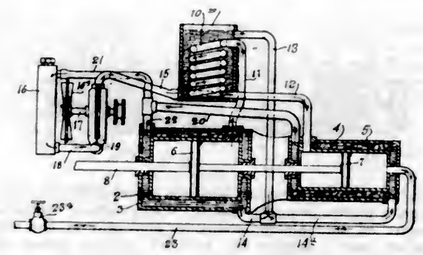
1,582,027. LATH-CUTTING MACHINE. HENRY AGUSTA DUNBAR, Woodstock, New Brunswick, Canada. Filed Aug. 21, 1924. Serial No. 733,379. 3 Claims. (Cl. 143—56.)



1. In a machine of the character described and in combination, a suitable frame, a saw table, saws arranged above and below said table, arbors for the saws, a detachable U-shaped head and a detachable, inverted U-shaped head having integral therewith bearing boxes for said arbors, means for slidably mounting the head members on the frame including a flanged portion on the frame having orifices therein adapted to slidably engage with the head members and elongated bolt receiving means through the head members adapted to register with the orifices in said flanges whereby the head members are raised or lowered and retained in adpusted position when raised or lowered.

1,582,028. PORTABLE AIR COMPRESSOR. IRWIN L. DUNN, Tulsa, Okla., assignor to Tidal-Dunn Company, Tulsa, Okla., a Corporation of Oklahoma. Original application filed Oct. 20, 1924, Serial No. 744,675. Divided and this application filed July 6, 1925. Serial No. 41,491. 7 Claims. (Cl. 230—6.)

1. In an air compressor, the combination with low pressure and high pressure cylinders each having water jackets, and means for conveying compressed air from the low pressure to the high pressure cylinders, of circulating and cooling means adapted to act on water within



the water jackets to cool the same, the means for conveying the compressed air passing through the circulating water.

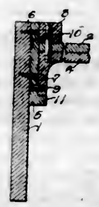
1,582,029. AZODYESTUFFS AND PROCESS OF MAKING SAME. GUILLAUME DE MONTMOLLIN and GÉRALD BONHÔTE, Basel, Switzerland, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Filed Mar. 23, 1925. Serial No. 17,834. 8 Claims. (Cl. 260—72.)

1. As new products the herein described new azodyestuffs of the general formula,

$$R_3—N=N—R_1—N=N—R_2—N=N—R_4$$

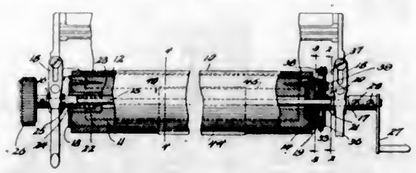
wherein R_1 and R_2 stand for aryl-residues and R_3 and R_4 for a 4-hydroxynaphthalene-1-arylketone residues, which dyestuffs form dark powders insoluble in water, dissolving in acetic acid and alcohol from red to brown and blue, in concentrated sulfuric acid to green solutions, which dyestuffs may be employed for the production of lakes; prepared on the fibre they yield bright bordeaux to blue and black shades.

1,582,030. PIANOFORTE. HENRI FOCKÉ, Villemonble, and FRÉDÉRIC MARIN, Pantin, France. Filed Apr. 19, 1923. Serial No. 633,258. 2 Claims. (Cl. 84—186.)



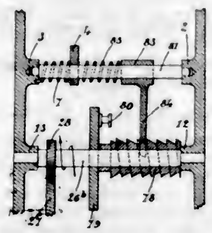
1. In a piano, a sounding-board, a wooden frame placed on one side of the sounding-board, a cast-iron frame having a ledge and placed on the other side of the sounding-board, screws passing through the wooden frame and the sounding-board and screwing in the cast-iron frame, a wooden member having an L-shaped cross-section, an inner face of which covers the joints of the wooden frame, sounding-board and cast-iron frame and the other inner face of which covers the ledge of the cast-iron frame, means connecting the wooden member having an L-shaped cross-section to the wooden frame and cast-iron frame, and means for securing a side of the piano to the wooden member having an L-shaped cross-section.

1,582,031. TYPEWRITER PLATEN FOR INDEX CARDS. CARL GABRIELSON, Syracuse, N. Y., assignor to L. C. Smith and Bros. Typewriter Inc., Syracuse, N. Y., a Corporation of New York. Filed May 8, 1924. Serial No. 711,893. 12 Claims. (Cl. 197—136.)



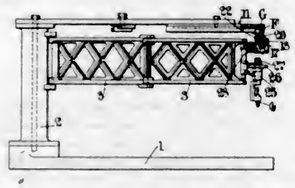
1. In a typewriting machine, the combination of a carriage, a platen mounted therein, a longitudinal depressed surface on said platen having an abutment at one side thereof, and a flexible flap attached to said platen adjacent said abutment and extending over said depression for the purpose described.

1,582,032. MOTION-PICTURE APPARATUS. PIERRE SYLVAIN GAURIAT, Paris, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Mar. 15, 1923. Serial No. 625,237. 3 Claims. (Cl. 88—18.)



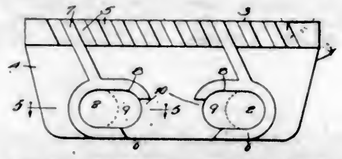
1. A motion picture apparatus comprising a driving shaft, a feeding member adapted to impart to the film an intermittent feeding movement, means operatively connecting said feeding member to said driving shaft, a contact member in constant contact with the film, means controlled by said contact member for temporarily disengaging the feeding member from the film, and means operated by said driving shaft for reengaging automatically said feeding member with the film after a determined number of revolutions of said driving shaft.

1,582,033. CUTTING BY MEANS OF THE OXYACETYLENE OR OTHER SUITABLE JET PROCESS. ALFRED GODFREY, Wood Green, London, England. Filed Mar. 28, 1925. Serial No. 19,100. 16 Claims. (Cl. 266—23.)



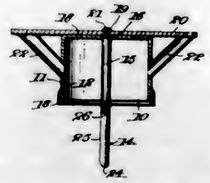
3. In apparatus for feeding and guiding a cutting blowpipe along a template, a guiding surface and a feeding surface, a guiding member setting the path followed by the blowpipe, an elastic roller serving both to feed the guiding member along its path and by means of its elasticity to press the guiding member against its path and means to expand the said roller.

1,582,034. MECHANICAL STOKER. LOUIS GRUNDIN, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 431,935. 2 Claims. (Cl. 110—40.)



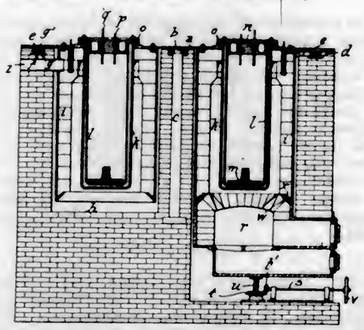
1. A link for a chain grate, comprising a fuel supporting portion and a supporting web; said web being formed with oblong openings surrounded by the material thereof and extending transversely therethrough, with their long axes substantially parallel with the long axis of the link; the web being further provided with laterally extending flanges which partially surround the respective openings, the ends of each flange being spaced apart to form a discharge passage leading obliquely downward from the end of the openings.

1,582,035. POURING-SPOUT CAN ATTACHMENT. FRED GRUNDY, Conimicut, and WINFIELD E. GRAY, Pawtucket, R. I. Filed Feb. 13, 1924. Serial No. 692,477. 1 Claim. (Cl. 221—23.)



A pouring attachment having a bell-shaped body, tubes extending outward and upward from its side wall and terminating in substantially the same plane as the top of the body, said top having a square opening therethrough, a shank having a square portion fitting said opening, a closure for said tubes frictionally engaging said top, a fastening having a head overlapping the closure, said fastening passing through and pivotally mounting the closure and extending removably into the square portion, and a puncturing and securing blade on the shank below the body.

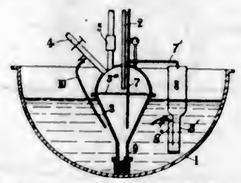
1,582,036. ANNEALING FURNACE. HEINRICH GRÜNWALD, Hilchenbach, Germany. Filed Feb. 7, 1925. Serial No. 7,626. 7 Claims. (Cl. 266—5.)



1. In an annealing furnace, in combination, an annealing chamber, a masonry lining in said chamber, a cover for the chamber and the lining, a flanged retort arranged through the cover and supported thereby and positioned

in spaced relation to the lining of the chamber and snugly engaged only adjacent its top by the lining to avoid unnecessary heating, and an adjustable gas tight cover for the retort positioned above the cover for the chamber.

1,582,037. METHOD OF TREATING IMPURE MOLTEN METALS. HENRY HARRIS, London, England. Filed Apr. 26, 1924. Serial No. 709,088. 22 Claims. (Cl. 75—15.)

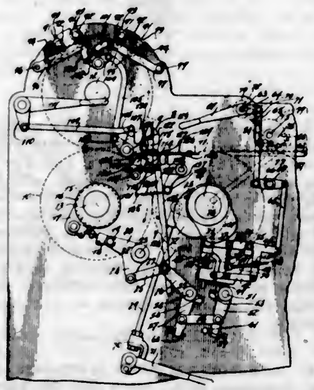


1. Process of treating molten metal with a reagent for removal of one or more impurities, which comprises using the reagent in solution form, heating the same to bring the reagent into a physical state suited to the desired reaction and to generate an impelling pressure and intermingling said heated reagent and molten metal utilizing said pressure to effect or assist in effecting said intermingling.

1,582,038. APPARATUS FOR TREATING IMPURE MOLTEN METALS. HENRY HARRIS, London, England. Filed Apr. 26, 1924. Serial No. 709,089. 17 Claims. (Cl. 266—34.)

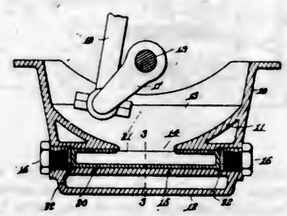
1. In apparatus for the treatment of molten metal, the combination of a heated container for the molten metal, a vaporizing chamber so located in the container as to be immersed in the molten metal so as to be heated thereby, and means for supplying a solution of a reagent to said vaporizing chamber.

1,582,039. PRINTING PRESS. CHARLES W. HARROLD, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 1, 1922. Serial No. 548,712. 53 Claims. (Cl. 101—218.)



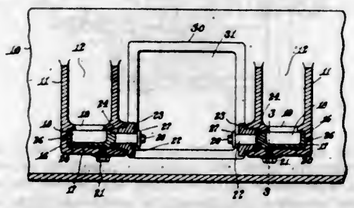
1. In a printing-press having two members constituting a printing couple, an inking mechanism therefor with means for throwing off same normally held inoperative by a latch, means for throwing off the impression, and means carried by said impression throw-off means to directly disengage the latch and simultaneously bring the inker throw-off means into position for operation after the impression is thrown off.

1,582,040. SEDIMENT COLLECTOR FOR SPLASH TROUGHS. PARKER B. HASKELL, Lynn, Mass., assignor of one-third to Walter B. Pohle, Lynn, Mass., and one-third to Susan V. Russell, Chelsea, Mass. Filed Feb. 6, 1925. Serial No. 7,334. 8 Claims. (Cl. 184—11.)



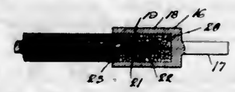
1. A crank casing provided with a splash trough having a chamber extending lengthwise thereof from side to side of said casing and communicating by a passage with the oil-containing compartment of said trough; a removable barrel in said chamber closed at both ends and provided with an opening normally registering with said passage; and closures for the opposite ends of said chamber.

1,582,041. OIL TROUGH FOR INTERNAL-COMBUSTION ENGINES. PARKER B. HASKELL, Lynn, Mass., assignor of one-third to Walter B. Pohle, Lynn, Mass., and one-third to Susan V. Russell, Chelsea, Mass. Filed Feb. 6, 1925. Serial No. 7,335. 8 Claims. (Cl. 184—11.)



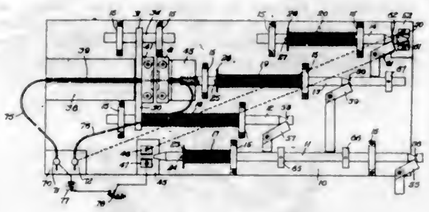
6. A crank casing provided with a plurality of splash troughs each having an oil-containing compartment and a transverse chamber beneath and communicating with said compartment, said chamber being closed at one end; a member in said chamber having a sediment pocket and a slot extending lengthwise thereof; a pin extending into said slot and preventing rotation of said member; and a closure for the open end of said chamber adapted to retain said member in said chamber.

1,582,042. RADIO APPARATUS. FRANCIS W. HENNESSY, Providence, R. I. Filed Mar. 3, 1924. Serial No. 696,481. 2 Claims. (Cl. 250—31.)



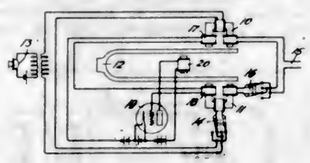
1. An audibility unit for a radio apparatus including a pair of wires leading therefrom for connecting the unit in a radio circuit, a cup-shaped terminal on one of said wires, and a rectifier housed in said terminal and interposed between said terminal and the wire connected thereto.

1,582,043. METHOD OF AND APPARATUS FOR ELECTRIC WELDING. NORMAN HILBERRY, Steubenville, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 621,784. 9 Claims. (Cl. 219—10.)



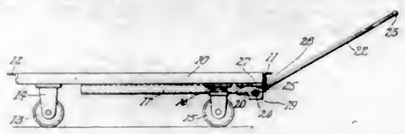
1. A method of electrically welding parts which comprise passing a constant current through contacting surfaces of the parts, moving one of the parts thereby disengaging the surfaces to produce an arc therebetween for vaporizing the surfaces and moving the other part to reengage the surfaces while vaporized.

1,582,044. WAVE-MODULATION SYSTEM. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1923. Serial No. 683,098. 10 Claims. (Cl. 179—171.)



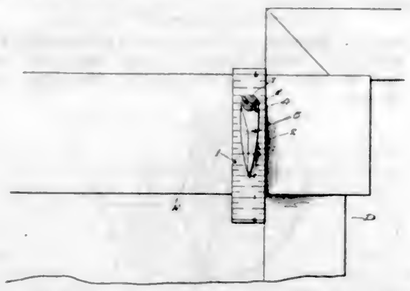
1. The method of modulation comprising varying the magnetomotive force of a magnetic circuit in accordance with a modulating wave, varying the reluctance of the magnetic circuit at the frequency of a wave to be modulated, and utilizing the resultant flux to neutralize certain components and to transmit certain other components of the modulated wave to the outgoing circuit.

1,582,045. VEHICLE. ALONZO HJORTH DON HOWE, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 12, 1924. Serial No. 725,611. 5 Claims. (Cl. 280—49.)



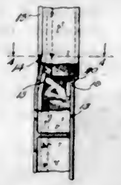
1. In a vehicle, a platform, a pair of channels secured to said platform, pockets formed in said channels, and a handle having a rear cross bar movable in said channels and designed to engage said pockets when the handle is in an operative position.

1,582,046. COMBINATION TOOL. JOHN L. HUGHES, Tulsa, Okla., assignor of one-half to Elbert N. Wycoff, Tulsa, Okla. Filed July 23, 1921. Serial No. 487,160. 1 Claim. (Cl. 33—82.)



A tool of the character described comprising a gage member formed from an elongated strip of flat metal of an even width throughout its length to provide straight parallel side edges, side strips being bent transversely in spaced relation to its ends and having its bent end portions extending from one face of the intermediate portion of the strip at right angles thereto, the outer face of the intermediate portion of said strip being provided with gage markings, said gage markings being disposed transversely thereon and in measuring relation to the inner face of one of the bent end portions, a threaded stud extending from the outer face of said strip intermediate the width thereof and adjacent one end of the intermediate portion, a pair of sharp pointed compass legs pivoted on said stud for swinging movement from an inoperative position within the confines of the outer face of the intermediate portion of said strip to an extended operative position, and a nut upon said stud adapted to clamp said legs in adjusted positions.

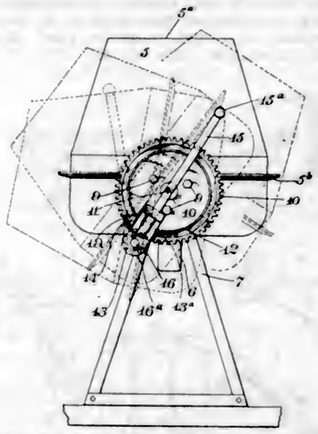
1,582,047. METAL WINDOW. FRED HUMPHRIES, Waukesha, Wis., assignor to Federal Steel Sash Company, Waukesha, Wis., a Corporation of Wisconsin. Filed May 24, 1923. Serial No. 641,153. 4 Claims. (Cl. 189—60.)



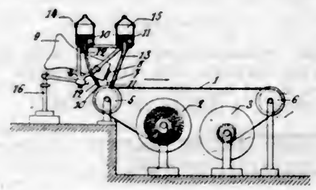
1. In a window construction, a frame comprising opposed parallel members, each provided with a flange extending only a portion of its length, and with a flange extending substantially its entire length, said last mentioned flanges being cut away intermediate their ends; and a sash having opposed parallel members positioned adjacent said frame members, said sash members having inwardly and downwardly extending shouldered webs engaging and pivoting on the ends of said first mentioned frame member flanges, and additional webs passing through the cut-away portions of said second mentioned flanges.

1,582,048. CONCRETE-MIXING MACHINE. GERHARD JAEGER, Columbus, Ohio. Filed May 31, 1924. Serial No. 716,992. 7 Claims. (Cl. 74—7.)

1. A swinging member substantially as described and means for oscillating the same comprising a gear connected with said member, a driving means for said gear, a crank arm connected with the driving means, means operated by the crank arm to engage said gear to lock it from rotation, and yielding means distinct from the crank arm for holding that arm in gear locking position.



1,582,049. SOUND-RECORDING PROCESS. FRANCIS MORTON JOHNSON and ADELAIDE FAUCON, Paris, France. Filed Dec. 14, 1923. Serial No. 680,786. 1 Claim. (Cl. 274—46.)



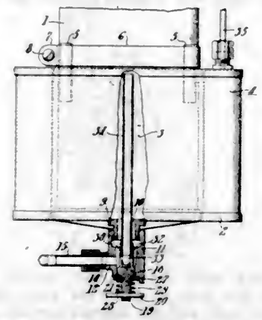
A process for recording sounds upon a continuously moving surface consisting in the engraving of said surface by means of a heated stylus connected with a vibrating diaphragm and maintained in contact with said surface in order to trace thereon a sinuous line or groove, the step of applying upon the said surface a very narrow layer of a suitable liquid solvent at a point in close proximity to said stylus and forwardly of the same, and then applying a second very narrow layer of a suitable liquid solvent at a point in close proximity to said stylus and rearwardly of the same.

1,582,050. PHOTOGRAPHIC PRINT-OUT PAPER AND PRINTS MADE THEREFROM. JAMES ADDISON JOHNSON, Buffalo, N. Y. Filed Apr. 25, 1921. Serial No. 464,388. 21 Claims. (Cl. 95—5.)

1. The method of producing a light-sensitive photographic emulsion, which comprises treating an emulsion of a silver compound other than silver iodide with a water-soluble iodide to form a silver iodide emulsion, and treating the resulting emulsion with a sensitizer to render the silver iodide light sensitive.

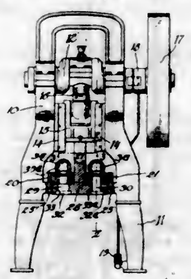
1,582,051. FUEL RESERVE DEVICE FOR MOTOR VEHICLES. JOHN D. KARLE, Roselle Park, N. J. Filed May 21, 1925. Serial No. 31,854. 8 Claims. (Cl. 158—46.5.)

1. The combination with a fuel tank of a motor vehicle, of a reserve tank, and fuel conducting connections for supplying fuel from one of said tanks to the other including a fuel-controlling valve having a carbureter-connection, said valve including a member having rotatable ports adjustable into position to permit a normal flow of fuel from the fuel tank through one of said rotatable



ports to the reserve tank and from said reserve tank through another of said rotatable ports to said carbureter-connection, said valve-ports in said position being disposed with respect to said tanks to automatically insure a reserve fuel supply in both of said tanks.

1,582,052. MEANS FOR AND METHOD OF FORMING SLOTS IN METALLIC MEMBERS. REYNOLD E. KLAGES, Columbus, Ohio. Filed Aug. 4, 1922. Serial No. 579,729. 6 Claims. (Cl. 164—108.)



1. A method of forming an elongated opening in a hollow metallic member, which consists in first forming an opening through the wall of said hollow member and then nibbling portions outwardly away from the wall about said opening.

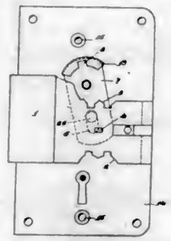
1,582,053. PROCESS FOR TREATING VEGETABLE SUBSTANCES AND EXTRACTING THEREFROM FIBROUS SUBSTANCES. PAUL KÖPPEL, Karlsruhe, Germany. Filed May 14, 1923. Serial No. 639,023. 4 Claims. (Cl. 92—10.)

1. A process of manufacturing fibrous material which is suitable for spinning, and of paper from raw vegetable substances consisting in using a non-alkaline insoluble indifferent matter, in a finely divided state, mixing this matter with a liquid to form a suspension, boiling in this suspension the vegetable substance, drying the latter and combing out the fibrous material.

1,582,054. LOCK. JULIUS KÖNIG, Budweis, Czechoslovakia. Filed Nov. 3, 1925. Serial No. 66,569. 3 Claims. (Cl. 70—14.)

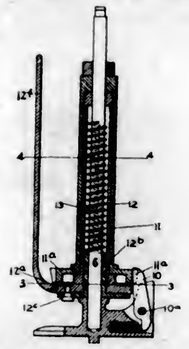
3. A lock, as claimed in claim 1, and comprising a lock casing, bent over edges on the said casing, a cut away part in one bent-over edge for the passage of the bolt end, a key hole in the casing capable of registering with the key hole in the front plate of the lock, holes

in the said casing, holes in the front plate capable of registering with the holes in the casing and screws for inserting in the holes for fixing the casing to the lock and a flange on the door-knob key, the casing being capable of being slid laterally on the lock, such that,



on the casing being slid one way, the key hole in the casing, the key hole in the front plate and the holes in the front plate and the casing come into register and the said screws are covered by the said flange, as and for the purpose set forth.

1,582,055. THREAD-TENSIONING BRAIDING CARRIER. MAX KRISSIEP, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a Corporation of Pennsylvania. Filed June 16, 1925. Serial No. 37,439. 5 Claims. (Cl. 96—15.)

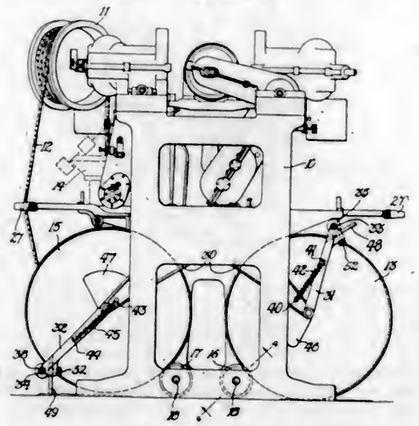


1. In combination with a carrier frame having a fixed bobbin spindle and threading standard, and a movable pawl; a swingable thread tensioner comprising a spring tensioned sleeve on said spindle having a pawl-operating base portion, and a spaced thread-spreading riser from the latter; and a bobbin-holder rotatable upon said sleeve portion of the tensioner and having a pawl-engaging base portion.

1,582,056. PROCESS FOR THE MANUFACTURE OF RESINOUS PRODUCTS OF CONDENSATION FROM PHENOL AND FORMALDEHYDE. CARL KULAS, Leipsic, and CURT PAULING, Leipsic-Lindenau, Germany, assignors to Carl Kulas, Leipsic, Germany. Filed Aug. 13, 1921. Serial No. 492,177. 6 Claims. (Cl. 106—22.)

5. A process for making resinous products of condensation from phenol and formaldehyde of ivory like appearance, consisting in heating phenol and formaldehyde in the presence of an acid condensing agent, adding to the mass phenol and formaldehyde and an alkaline condensing agent in excess, then adding a liquid capable of increasing the elasticity of the mass, namely amyl alcohol plus camphor oil, boiling the mass until all the water is driven out, adding glacial acetic acid and finally hardening it by heating at atmospheric pressure, substantially as described.

1,582,057. MECHANISM FOR SUPPORTING AND MOVING CIRCULAR OBJECTS. EINER WILLIAM LARSEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 16, 1924. Serial No. 738,112. 12 Claims. (Cl. 242—1.)

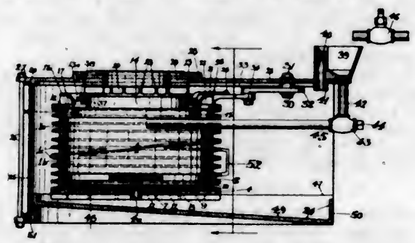


1. In a mechanism for moving and supporting a circular object, rollers for engaging the object, arms movable in an arcuate path with respect to the center of the object and idlers associated with the arms for cooperating with the rollers in moving and supporting the object.

1,582,058. PASSENGER-HANDLING AND FARE-COLLECTION SYSTEM FOR STREET CARS. JOHN F. LAYNG, Round Bay, Md. Filed July 29, 1924. Serial No. 728,841. 5 Claims. (Cl. 105—341.)

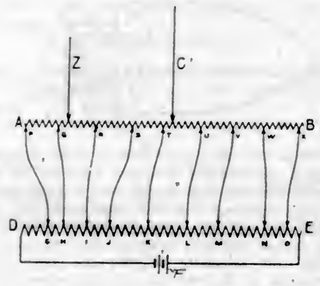
1. In an articulated multi-section train having entrance and exit passages spaced apart, a pay station between said passages, said pay station removed from said entrance passage, whereby passengers are admitted to a section of said train and are permitted to pay the car fare upon entering the second section of said multi-section train.

1,582,059. LIQUID-FUEL BURNER. HARRY C. LITTLE, Larkspur, Calif., assignor to Rotair Burner Corporation, a Corporation of Nevada. Filed June 2, 1925. Serial No. 34,343. 7 Claims. (Cl. 158—91.)



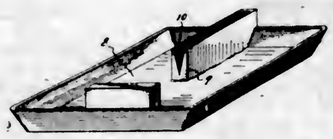
7. A liquid fuel burner comprising a combustion cylinder divided into an upper section and a lower section, a housing for the burner, means supporting the upper section on the housing, means providing a large central draft passageway upwardly through the upper section and housing, means providing air passages into the burner and passageway, tracks carried by the housing and movably carrying the lower section in a manner adapting the lower section to be slid thereon into and out of cooperating relation with the upper section, and oil receiving and vaporizing means within the lower section.

1,582,060. MEANS FOR CONTROLLING THE POTENTIAL GRADIENT IN A CONDUCTOR. DIMMITT ROSS LOVEJOY, New York, N. Y., assignor to Lovejoy Development Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1925. Serial No. 68,247. 4 Claims. (Cl. 171—229.)



1. Means of controlling the potentiol gradient in a conductor, comprising, a resistance connected to a source of current, a resistance connected to an output circuit and a series of adjustable cross connections between the two resistances.

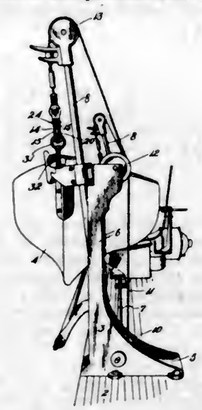
1,582,061. SMOKER'S ARTICLE. OSCAR A. C. LUND, New York, N. Y. Filed Oct. 10, 1921. Serial No. 506,610. 2 Claims. (Cl. 131—51.)



2. The combination with an ash-tray body of a cigarette snuffing device comprising an elongated member connected with said ash-tray body so as to rise from the bottom thereof, said elongated member being provided in its top side with a V-shaped channel extending longitudinally therethrough, and at least one end of said channel being open toward the interior of said ash-tray body to permit endwise ejection of refuse from said channel into the interior of said ash-tray body.

1,582,062. RELEASABLE HOOK FOR LIFEBOATS. ARTHUR W. LYDA, North Canton, Ohio, assignor to The American Safety Navigation Company, Canton, Ohio, a Corporation of Ohio. Original application filed July 12, 1922, Serial No. 574,430. Divided and this application filed Aug. 10, 1925. Serial No. 49,290. 2 Claims. (Cl. 9—23.)

1. A life boat and davits for a ship including cables, a hook upon the end of each cable and an eye upon the boat engaged by the hook, each hook comprising a curved hook member located through the eye, a lever normally holding the hook member in locked position, a plunger connected to the lever and provided with a foot arranged

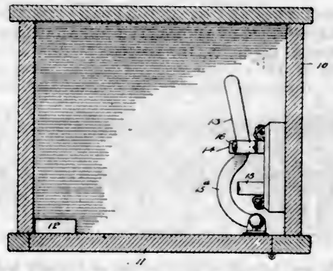


to be engaged by the eye to hold the lever in the locked position, and means for moving the lever out of engagement with the hook member when the pull upon the eye is released.

1,582,063. SIGHTING RIB FOR FIREARMS. BRADLEY S. MCINTOSH, Barneveld, N. Y. Filed Aug. 22, 1922. Serial No. 583,638. 2 Claims. (Cl. 33—47.)

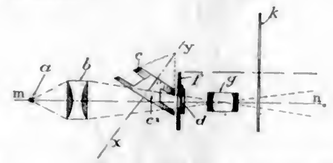
1. In a detachable sighting rib for firearms, an elongated rib member, means secured at spaced intervals to and along said rib for engaging and supporting said rib on a gun barrel, said rib having at least one depending flange with a transverse opening therethrough, and means for securing said rib to the barrel comprising a split ring adapted to encircle the same and having spaced lugs on its periphery, and screw means passing thru said opening and engaging said lugs whereby the ring may be clamped to the barrel.

1,582,064. ELECTRIC SWITCH. WILLIAM J. MADDOX, Jamestown, N. Y. Filed June 19, 1925. Serial No. 38,266. 4 Claims. (Cl. 200—54.)



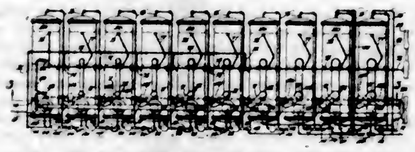
1. In a switch for boxes and the like, a pair of contacts mounted on the interior of the box, and a conductor connected to the box closure having a portion for bridging the space between the contacts when said closure is opened, said conductor having a portion slidably secured in one contact and another portion of the conductor being offset and adapted to be spaced from the other contact when the closure is closed.

1,582,065. MOTION-PICTURE APPARATUS. JACQUES MARETTE, Vincennes, France, assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Filed Sept. 28, 1921. Serial No. 503,930. 1 Claim. (Cl. 88—16.4.)



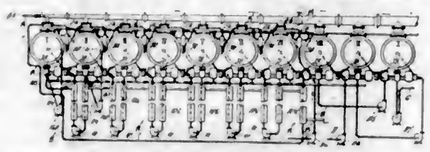
In a motion picture apparatus for motion pictures in colors permitting of taking views or projecting images the combination of a gate provided with an aperture, a cinematographic film adapted to travel in an intermittent manner in said gate so as to expose successively before said aperture each part of the film corresponding to an image, a revoluble disc carrying a number of color screens and adapted to rotate through a fraction of a revolution corresponding to a color screen at each movement of the film corresponding to the feeding of an image and a truncated cone shaped shutter adapted to rotate during a complete revolution of said disc through a number of revolutions equal to the number of screens in said disc, said shutter being provided with a single wing corresponding to the height of an image and coming close to the aperture in the gate of the apparatus.

1,582,066. PROCESS OF AND APPARATUS FOR MULTIPLE-EFFECT EVAPORATIVE SEPARATION. HUGH K. MOORE, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Oct. 16, 1922. Serial No. 595,017. 62 Claims. (Cl. 159—48.)



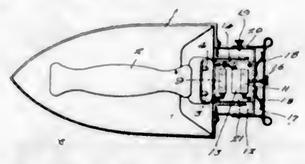
1. A process of multiple-effect evaporation, which comprises causing the liquor to flow from an intermediate effect in sequence through a group of progressively hotter effects, and thence in sequence through a group of effects which are progressively colder.

1,582,067. PROCESS OF AND APPARATUS FOR MULTIPLE-EFFECT EVAPORATIVE SEPARATION. HUGH K. MOORE, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Nov. 30, 1923. Serial No. 677,857. 10 Claims. (Cl. 159—20.)



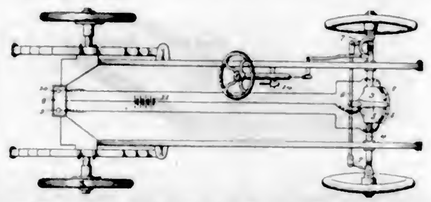
10. In multiple-effect evaporation of initially hot liquors which become relatively viscous when concentrated at the temperatures of the colder effects, the process of conserving heat which comprises introducing the supplied liquor into an intermediate effect of a series of effects, such that upon passing to the successive colder effects of such series, the liquor will have a relatively low viscosity in the coldest effect, preliminarily cooling said supplied liquor to the approximate temperature of said intermediate effect prior to its admission thereinto, passing the liquor from the coldest effect to that intermediate effect of the series which is next hotter than the first said intermediate effect, utilizing heat from the supplied liquor to raise the temperature of the liquor from the coldest effect to approximately the temperature of the intermediate effect to which it is then passed, further concentrating said liquor by passing it through successively hotter effects of said series of effects, and warming the liquor passing to each successive hotter effect with heat from the concentrated liquor from the hottest effect.

1,582,068. SWITCH. MICHAEL MORRISSEY, Kansas City, Mo. Filed Sept. 17, 1923. Serial No. 663,227. 2 Claims. (Cl. 200—16.)



1. A switch for use upon electric irons comprising a substantially rectangular chamber adapted to be positioned upon the rear end of the iron, a substantially U-shaped cap receiving the side walls of the chamber therein and adapted for sliding movement thereon, spring tensioned means included between the chamber and U-shaped cap for normally holding the cap outwardly, means included on the cap and chamber whereby the cap may be held in adjusted positions thereon, a pair of switch contact members arranged within the chamber, a contact positioned within the chamber and connected in circuit with the iron, and an auxiliary slidable contact member arranged between the contact members and engaged by the contact and adapted for simultaneous sliding movement with the substantially U-shaped cap.

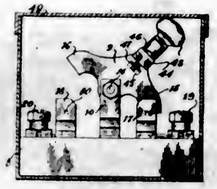
1,582,069. CIRCUIT-CLOSING MECHANISM FOR DIRECTION SIGNALS. SOLINO F. NANNA, Chicago, Ill. Filed Oct. 12, 1923. Serial No. 668,057. 1 Claim. (Cl. 200—59.)



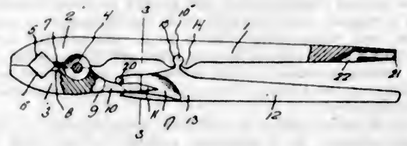
In a circuit closing mechanism for the direction signals of motor vehicles, the combination of a base plate having on its under surface a pair of spaced ribs adapted to straddle and fixedly engage the front axle of a vehicle and provided with a forward and rear extension, a pair of contact plates of a segmental form adjustably secured in spaced relation to said forward extension, and a movable contact lever pivoted to the aforesaid rear extension with one end arranged for operative contact with said contact plates and the other end provided with means for pivotal connection with the transverse connection rod of the steering knuckles of a vehicle.

1,582,070. RVAH-METER-TESTING SWITCH. THOMAS J. NEWMAN, Canton, Ohio, assignor to The Superior Switchboard & Devices Company, Canton, Ohio, a Corporation of Ohio. Filed July 26, 1924. Serial No. 728,503. 4 Claims. (Cl. 200—50.)

4. A switch adapted to be covered by a removable cover and comprising a spaced pair of contacts, a switch blade pivoted intermediate its ends, between said contacts, each end of the blade being arranged to engage one of the contacts, and a handle upon the blade, said handle being located at such an angle that the removable cover cannot be replaced when the blade is engaged with one of the contacts.

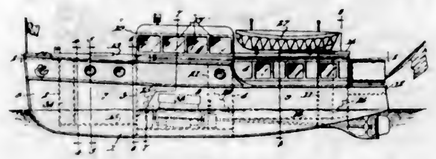


1,582,071. PLIERS. KNUTE E. NORDIN, Bergland, Ontario, Canada. Filed Oct. 12, 1925. Serial No. 62,093. 1 Claim. (Cl. 294—36.)



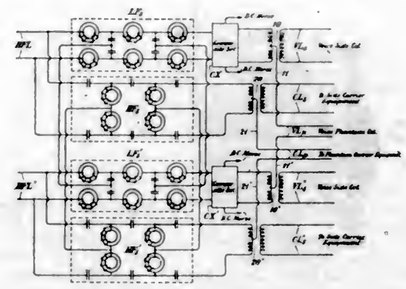
A tool of the class described comprising an elongated handle, a stationary jaw formed on the forward end thereof, a coacting jaw pivotally associated with the stationary jaw, a tail piece formed on the rear end of the pivoted jaw, said tail piece being bifurcated, a lever, means for pivotally connecting the forward portion of said lever to the intermediate portion of said handle, the forward end of said lever being reduced, said reduced portion being disposed within said bifurcation formed in the tail piece of the pivoted jaw, shoulders formed on the reduced portion of the lever adjacent the outer side thereof for cooperation with the outer side faces of the furcations of said tail piece for effecting the inward swinging movement of the tail piece when the lever is swung outwardly, and lateral projections formed on the reduced portion of the lever adjacent the inner side thereof and adapted for engagement with the inner side faces of the furcations to effect the outward swinging movement of the tail piece and the simultaneous inward swinging movement of the pivoted jaw into coacting relation with the stationary jaw when the lever is swung inwardly.

1,582,072. SEDAN CRUISER. HAROLD F. NORTON, Newport News, Va. Filed Oct. 13, 1924. Serial No. 743,407. 6 Claims. (Cl. 114—78.)



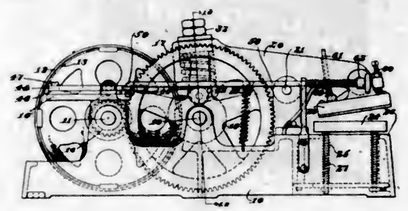
1. In a cruiser, the combination of an engine room amidship, a stateroom and a dining room forwardly and rearwardly thereof, respectively, an observation room above the engine room, substantially co-extensive therewith, and a toilet room comprising part of the engine room and part of the observation room, said toilet being disposed in a corner and accessible from the stateroom.

1,582,073. PHANTOM CARRIER CIRCUITS. JOSEPH T. O'LEARY, Elizabeth, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1925. Serial No. 49,617. 3 Claims. (Cl. 179—15.)



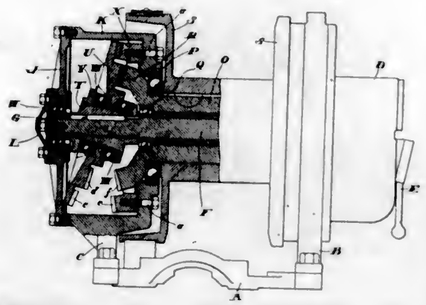
1. In a transmission system, a pair of transmission lines adapted to transmit either ordinary voice frequency currents or carrier frequency currents, a pair of branches for each line, one branch extending to a voice frequency terminal and the other branch extending to carrier equipment, a phantom conductor connected to the first mentioned branch of each line to form a phantom circuit for the transmission of voice frequency currents, a phantom conductor connected to the second mentioned branch of each line to form a phantom circuit for the transmission of carrier frequency currents, a high pass filter in the first mentioned branch of each line including a plurality of sections, each comprising a series impedance and a shunt impedance, connections from the midpoints of the shunt impedances of one of said low pass filters to the midpoints of the corresponding shunt impedances of the other low pass filter, a high pass filter in the second mentioned branches of each line, each high pass filter including a plurality of sections, each comprising a series impedance and a shunt impedance, and connections from the midpoints of the shunt impedances of one of said high pass filters to the midpoints of the corresponding shunt impedances of the other high pass filter.

1,582,074. PROCESS AND INTERMEDIARY PRODUCT IN MANUFACTURE OF BOX TOES. JOSEPH H. ORDWAY, Brookline, Mass., assignor to Yawdro Manufacturing Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Jan. 25, 1923. Serial No. 615,446. 6 Claims. (Cl. 12—146.)



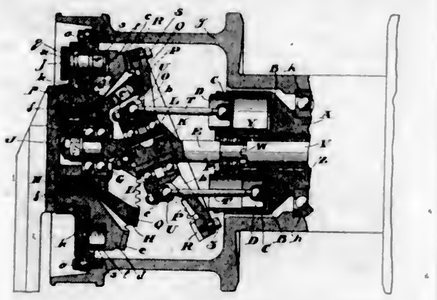
1. The method of impregnating articles with a composition softened by heat, which comprises subjecting sheets of the article and said composition to moderate heat and pressure together, temporarily maintaining the said condition until the composition is softened and the article is warmed; and then subjecting them to heavy pressure, thereby forcing the substance into the article.

1,582,075. HOIST DRIVING GEAR. ROBERT F. PAGE, deceased, late of Athens, Pa., by John M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 16, 1925. Serial No. 56,726. 1 Claim. (Cl. 254—186.)



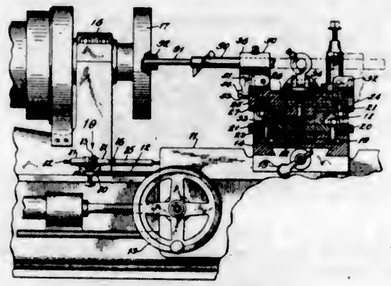
In a hoist, the combination of a base, a pair of end frames supported by the base, a fluid actuated motor on one of said frames, a casing on the other end frame and integral therewith, a removable cover for said casing, a motor shaft extending from said motor and journalled in the cover, a hollow drum shaft surrounding the motor shaft journalled at its outer end in said casing and terminating in a driven gear, a winding drum keyed to said drum shaft, a hub keyed to and at an angle to the axis of said motor shaft, a gyratory driving gear rotatably mounted upon said hub, a stationary crown gear secured within the casing, and concentric sets of teeth provided on said gyratory gear, the outer set of said teeth meshing with said crown gear, and the inner set of teeth meshing with said driven gear.

1,582,076. HOIST. ROBERT F. PAGE, deceased, late of Athens, Pa., by John M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 11, 1925. Serial No. 68,257. 4 Claims. (Cl. 254—186.)



1. In a hoist, the combination of a plurality of stationary cylinders, pistons within the cylinders and connecting rods attached thereto, a rolling gear member, means to prevent rotation of said gear members, means for attaching said piston rods to said gear to effect the rolling motion of said gear, and a rope drum inclosing said cylinders and gear, and provided with a gear actuated by said rolling gear member.

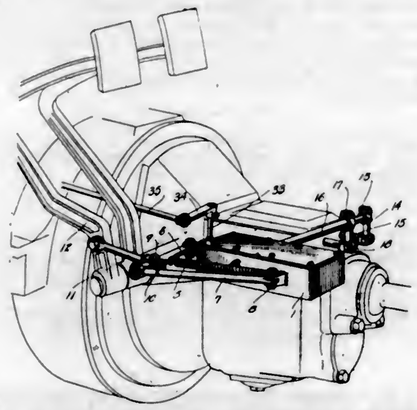
1,582,077. TOOL HOLDER FOR LATHES. JOHN M. PALMER, New York, N. Y. Filed Nov. 10, 1921. Serial No. 514,147. 11 Claims. (Cl. 29—39.)



1. A lathe having a rotatable work support, a carriage movable in a direction parallel to the axis of rotation of the work, a slide mounted on the carriage and movable in a direction at right angles to said axis, a table having a plurality of tool holders mounted thereon, and a support carrying said table and mounted on said slide, said table being slidable in a substantially horizontal plane in respect to said slide and independent of the sliding movement of the latter, and said support permitting of the tilting of the plane of sliding movement of said table.

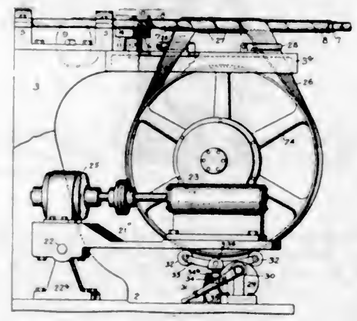
11. A lathe having a rotatable work support, a carriage movable in a direction parallel to the axis of rotation of the work, a slide mounted on the carriage and movable in a direction at right angles to said axis, a table having an annular row of tool holders mounted thereon, connections between said table and said slide and permitting the sliding movement of the table in respect to said slide and the rotation of said table about a substantially vertical axis, and locking means for normally preventing rotation of said table, said locking means including an annular row of apertures spaced in accordance with the spacing of the tool holders on the table.

1,582,078. GEAR-SHIFTING MECHANISM. JAMES W. PARKER, Windsor, Mo. Filed June 25, 1923. Serial No. 647,554. 14 Claims. (Cl. 74—58.)



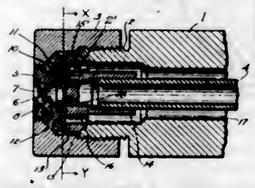
1. In a gear shift for motor vehicles, a plurality of rock shafts, means on the rock shafts for actuating the shift rods for the transmission gear set of the motor vehicle, arms on the rock shafts, a slidable cam carrier having cams to independently engage the arms to rock the rock shafts, the cams being arranged across the cam carrier, and means for sliding the arms longitudinally of the rock shafts to bring them into and out of alignment with the cams.

1,582,079. CARDBOARD-TUBE-MAKING MACHINE. PHILIP D. PARSONS and PATRICK J. MULLIGAN, Philadelphia, Pa., assignors to Scott Paper Company, a Corporation of Pennsylvania. Filed Oct. 6, 1924. Serial No. 741,804. 11 Claims. (Cl. 93—80.)



11. In a machine for making spiral tubes of cardboard, the combination of a mandrel about which the cardboard strips are wrapped one upon the other in spiral form, a belt wheel greatly larger in diameter than the diameter of the mandrel and arranged below the mandrel and rotating in a plane having general alinement with the mandrel, said belt wheel adjustable toward and from the mandrel, an endless belt driven by the belt wheel and having a portion of its length spirally wrapped about the mandrel to act upon the cardboard strips and feed them spirally about said mandrel, said belt wheel feeding the belt to the mandrel and withdrawing it therefrom simultaneously at opposite ends of the spiral portion, means for feeding cardboard strips to the mandrel and spiral portion of the belt, and means for driving the belt wheel

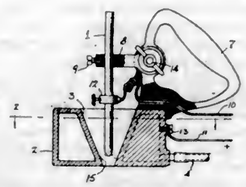
1,582,080. MECHANICAL ATOMIZER. ERNEST H. PEABODY, Pelham Manor, N. Y. Filed July 24, 1922. Serial No. 577,215. 10 Claims. (Cl. 299—120.)



3. An atomizer comprising a tip having a chamber in its rear portion, a discharge orifice leading therefrom, and tangential passages in its rear face communicating with said chamber, and a closure plug having a front portion with passages therethrough near its periphery which communicate with the outer ends of the tangential passages, said plug also having return passages leading directly from said chamber.

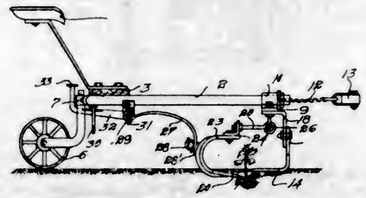
7. An atomizer comprising a supply pipe having a beveled front end, a closure plug having a beveled annular face matching and fitting into the bevel in the front end of the pipe and a plane front end, a tip having a plane rear face matching the front end of the closure plug and a beveled front portion, and means engaging said beveled front portion for holding the parts assembled.

1,582,081. ARC WELDING. CECIL C. PECK, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1922. Serial No. 565,340. 10 Claims. (Cl. 219—14.)



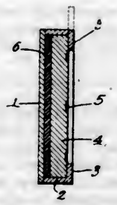
4. In arc-welding mechanism, the combination of an electrode of relatively high electrical conductivity in the form of an annulus, the opening in said electrode being of symmetrical, inwardly flaring form in axial cross section, and an electrode of relatively high electrical resistance in the form of a rod projecting co-axially within said first electrode and terminating adjacent the smaller end of the opening therein, a freely open space being left between such end of the second electrode and the inner wall of the first, whereby a circular arc is formed, substantially as described.

1,582,082. CULTIVATOR. PETER J. RASMUSSEN, Spokane, Wash. Filed July 20, 1925. Serial No. 44,699. 3 Claims. (Cl. 97—144.1.)



1. The combination with a U-shaped main frame and a pair of transversely arranged draw bars rigid therewith, of a plurality of adjustable drag shoes carried at the front of the main frame and a rear steering wheel for said implement, a pair of transversely arranged cutting bars, flexible suspending means at the front of the main frame for said cutting bars, and resilient supports for said cutting bars connected at the rear of the main frame.

1,582,083. NAME PLATE. HENRY W. PETERS, Boston, Mass. Filed Aug. 31, 1925. Serial No. 53,640. 6 Claims. (Cl. 40—2.)



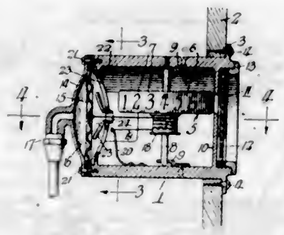
1. A name plate for attachment to automobile radiators and the like, including a box having an open face, a plate supported within the box including enamel, and an insulating material interposed between the plate and the back of the box.

1,582,084. WATER-RESISTANT FIBER CONDUIT AND METHOD OF MAKING THE SAME. GEORGE A. RICHTER, WALLACE B. VAN ARSDEL, and ALBERT W. CHASE, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Jan. 18, 1924. Serial No. 687,145. 6 Claims. (Cl. 91—68.)

3. A fiber conduit comprising a rigid homogeneous fibrous tubular body saturated or impregnated with a bituminous material and having a coating comprising a homogeneous mixture of a finely divided solid material and a hard bituminous material.

6. A process of making a water-proof conduit, which comprises impregnating a tubular fibrous body with a molten thermoplastic water-proofing material by immersing the body therein, then removing the body and permitting the surplus material to drain therefrom, then coating the body with a paint comprising a bituminous material, a solvent therefor and a finely divided solid material which on cooling forms a dull surface and then removing the solvent.

1,582,085. LIQUID-LEVEL INDICATOR. ELMER RYDER, Berwyn, Ill. Filed Jan. 24, 1924. Serial No. 688,255. 2 Claims. (Cl. 73—110.)



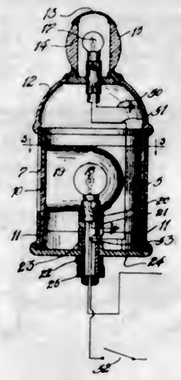
1. In a gage device of the character described, the combination of oppositely arranged concave guard and wall members, a diaphragm therebetween and forming with the wall member a vacuum or pressure chamber having a pipe fitting, said guard and wall members limiting the flexing of the diaphragm in either direction and having their contact areas substantially equal to that of the diaphragm to fully support the same when in contact therewith, a movable indicator, and means for operating the indicator by the diaphragm through the guard member.

1,582,086. ANTISEPTIC AND DISINFECTANT COMPOUND AND METHOD OF PRESERVING FRUIT WITH SAME. HANS SCHLOSSTEIN, Chicago, Ill. Filed Mar. 1, 1926. Serial No. 91,617. 3 Claims. (Cl. 99—1.)

2. The method of preserving fruit which consists in dipping it into an emulsified mixture containing a material having antiseptic and disinfecting qualities and a colloidal earth.

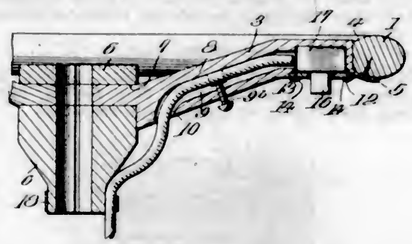
1,582,087. DIRECTION INDICATOR. HENRY R. SCHULER, Spokane, Wash. Filed Apr. 13, 1925. Serial No. 22,523. 1 Claim. (Cl. 116—46.)

In a direction indicator, the combination with a cylindrical lantern casing having a plurality of peripherally spaced window apertures in the walls thereof and formed with a closed bottom provided with a vertical bushing extending upwardly therefrom within the casing and integral therewith, of a rotatable supporting post extending upwardly within said bushing and journaled therethrough, said post having an annular head resting on the top of said bushing, a reflector hood formed integral with the upper end of said post and extending within the casing to the walls thereof for registry over a single window aperture, illuminating means carried



by the said post within said hood, and a distant control member operatively connected with said post for selectively rotating said post to dispose said hood in selective alinement with any of said window apertures.

1,582,088. STEERING WHEEL AND SWITCH ASSEMBLY. WILLIAM H. SHANKS, Frankfort, Ky. Filed Sept. 29, 1924. Serial No. 740,597. 3 Claims. (Cl. 200—59.)

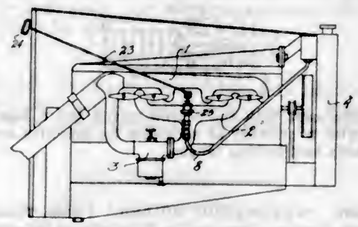


1. In a steering wheel, a rim, a hub, spider arms connecting said rim and said hub, one of said arms being hollow and having adjacent its outer end a chamber open downwardly, a switch block in said chamber, means to hold said block in said chamber and substantially seal said chamber against the entrance of water, and electrical conductors leading from said switch block and located within said hollow arm.

1,582,089. CHARGE-FORMING DEVICE. JAMES C. SIDERS, Kellogg, Idaho. Filed May 11, 1925. Serial No. 29,358. 1 Claim. (Cl. 123—25.)

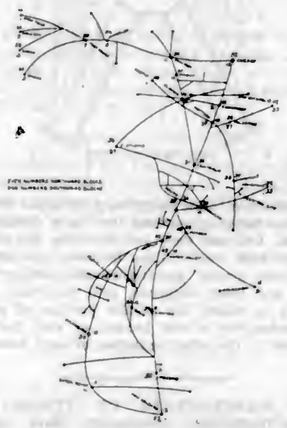
In a humidifying device for internal combustion engines consisting of a valve casing having an attaching nipple, a valve seat in said casing, a needle valve for said seat, a bushing alined with said nipple at the opposite side

of said seat and provided with an air port, a plug in said bushing having a V-shaped air port co-acting with said first air port, a water supply pipe connecting with



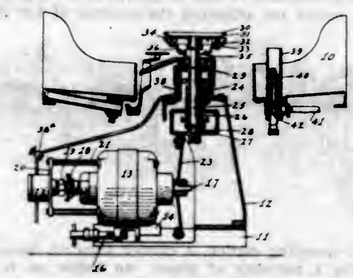
the cooling system of the engine and a spring pressed valve for controlling admission of water from said pipe to said valve seat.

1,582,090. METHOD AND APPARATUS FOR MAKING UP AND FORWARDING FREIGHT TRAINS. WILLIAM HARRY SMITH, Clinton, Ill. Filed Nov. 22, 1923. Serial No. 676,459. 5 Claims. (Cl. 104—1.)



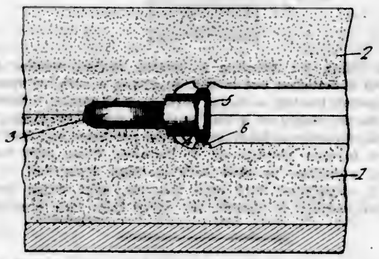
1. The method of making up and forwarding freight trains on a railway system having the stopping places each allotted two different designations, comprising the starting of any mixed trains with the cars thereof in groups, with the groups each bearing one of the two designations of its destination in trains moving in one direction in the system, and with the groups bearing the other designation of said destination in trains moving in the opposite direction, so that one set of designations is used by trains in one direction and another set by trains in the opposite direction, whereby each group is a block representing a certain destination, picking up cars of like destination at intermediate points, absorbing these additional cars into their respective blocks, dividing any mixed train when it becomes too large, and thus reducing each block to a solid train of cars for one destination only, so that each block when segregated into a separate train may proceed intact and finally arrive as a single train and without further switching until the destination of the train is reached, and whereby cars are started in mixed trains which are gradually converted at intermediate points into solid trains that proceed unbroken to their respective destinations.

1,582,091. OIL BURNER. JOHN SQUIRES, Detroit, Mich., assignor to Economies Research Company, Havana, Ill., a Corporation of Illinois. Filed June 10, 1924. Serial No. 719,046. 4 Claims. (Cl. 158—77.)



1. In a device of the class described, the combination of a combustion chamber, means for spraying a fuel mixture thereinto, including a rotary atomizing cup, an ignition member, power means, including an electric motor or driving said atomizing cup, a fuel pump, connected to said electric motor, for supplying said atomizing cup in proportion to the speed of the motor, and means for controlling fuel atomization, including an adjustable mechanism for varying the speed of the atomizing cup relative to the speed of the motor.

1,582,092. MOLD STRUCTURE. EUGENE C. STACY, Tiffin, Ohio. Original application filed July 2, 1924, Serial No. 723,778. Divided and this application filed Jan. 2, 1925. Serial No. 191. 3 Claims. (Cl. 22—116.)

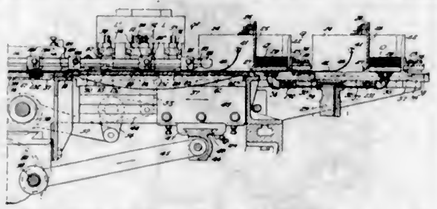


1. A mold for use in the production of swivel links which includes opposed mold members having bodies of sand therein for receiving an eye member therebetween, there being opposed sand nodes extending from the bodies for contacting with opposed portions of the engaged eye member.

1,582,093. AUTOMATIC CAN-BODY-MAKING MACHINE. SYDNEY STUART, Leichhardt, near Sydney, New South Wales, Australia, assignor to John Heine & Son Limited, Leichhardt, near Sydney, Australia, a Company of New South Wales. Filed Oct. 11, 1924. Serial No. 743,002. 4 Claims. (Cl. 113—8.)

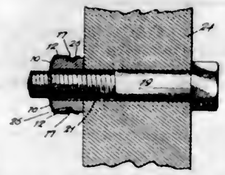
1. A can body making machine comprising a plurality of open bottom stack casings disposed in serial order over the machine bed, each of said stack casings being adapted for carrying a tier of sheet metal blanks, means disposed below said stack casings for simultaneously detaching the bottom sheet of each tier in successive operations, corner notching dies adapted for simultaneously notching a plurality of adjacent sheets, edge folding devices adapted for simultaneously folding the sides of adjacent sheets, body forming devices, a closing hammer, an anvil mandrel

and supporting abutment adapted for forming and closing a plurality of can bodies simultaneously, a reciprocating pusher feeder adapted for advancing the sheets step by step in train order along the machine bed and bringing them to a condition of rest in groups at each operating station, means for adjusting the position of the sheets



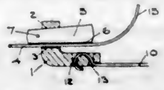
at each operating station, a carrier mandrel, means for delivering a plurality of closed can bodies on to said carrier mandrel and means for imparting timed movements to the sheet detaching means, the feeder, the notching dies, the edge folding devices, the forming devices, the anvil abutment, the closing hammer, and the closed can delivery means.

1,582,094. BOLT AND NUT LOCK AND PROCESS OF MAKING THE SAME. WILLIAM R. SWEET, Massillon, Ohio. Filed June 26, 1925. Serial No. 39,782. 2 Claims. (Cl. 151—8.)



1. A blank for forming a locking spring washer for use with a bolt and nut lock, comprising a strip of spring sheet metal having a body portion conforming substantially to the shape of a nut, spring tongues extending in opposite directions from said body portions and having grooves formed therein at a distance from said body portion, openings in said body portion separated by a strip in alignment with said tongues, said strips being cut transversely to divide the strip into two portions.

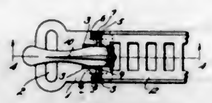
1,582,095. MEANS FOR SECURING OR COUPLING THE ENDS OF FENCING WIRES AND THE LIKE. HENRY ALBERT SYMES and VINCENT GABRIEL SYMES, Fairlie, New Zealand. Filed Mar. 27, 1925. Serial No. 18,781. 4 Claims. (Cl. 24—126.)



1. A coupling for the ends of strained fencing wires, comprising a member having arms disposed at right angles to one another, one of said arms having a hole to receive one of said ends slidably therethrough, and means for wedging said end in said hole.

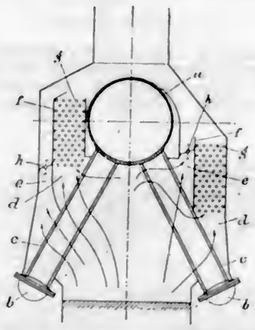
1,582,096. BUCKLE. ARVINE N. THOMAS, Canton, Ohio. Filed May 15, 1925. Serial No. 30,503. 2 Claims. (Cl. 24—206.)

1. A buckle including a body-plate slit longitudinally at one end forming a central spring and side-arms, each arm being longitudinally slit near its end and the metal on each side of said slit being curved in opposite directions forming bearings, and a locking tongue having pintles extending into said bearings, and an end portion



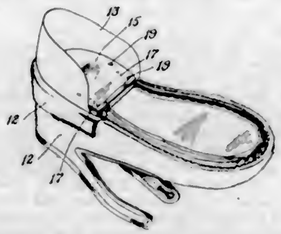
for engagement with the central spring and a loop provided with a plurality of apertures for selective engagement with said locking tongue.

1,582,097. WATER-TUBE BOILER. PETER THOMSEN, Cassel, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed Jan. 2, 1923. Serial No. 610,227. 4 Claims. (Cl. 122—480.)



1. A water tube boiler comprising an upper drum, lower drums, water tubes connecting the lower drums with the upper drum, hot gas flues for directing the combustion gases across said water tubes between the upper drum and the lower drums, partitions sub-dividing said flues into outer and inner branches, said partitions extending downwardly to about the middle portion of said water tubes, superheaters in one branch of each hot gas flue and dampers in the other branches of said flues.

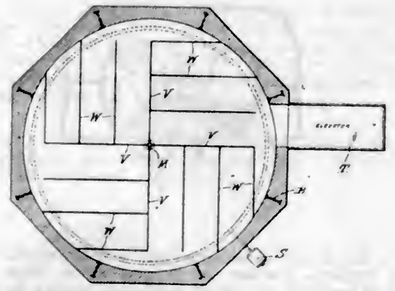
1,582,098. MANUFACTURE OF TURNED SHOES. FRED E. TOOTHAKER, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,446. 8 Claims. (Cl. 12—142.)



1. The method of making a turned shoe which comprises permanently attaching to a molded and channeled sole an underwedge provided with a recess to register with one end of the channel, the remaining upper surface of the underwedge being flat and unbroken, placing wrong

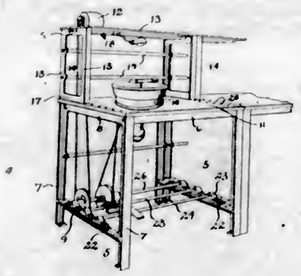
side out upon a last the assembled sole and underwedge together with an upper, sewing th forepart of the upper to the sole, lasting the heel portion of the upper over upon the flat surface of the underwedge and nailing it to the underwedge, and thereafter completing the manufacture of the shoe.

1,582,099. STORAGE BUILDING FOR MOTOR VEHICLES. RAY H. TRASK, Boise, Idaho. Filed Sept. 8, 1925. Serial No. 54,218. 10 Claims. (Cl. 214—16.)



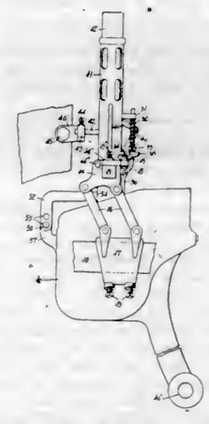
10. A storage floor for motor vehicles comprising a series of groups of parallel parking sections, each of said sections being arranged at an angle to the adjacent group, and means for moving said storage floor to permit the movement of said vehicles.

1,582,100. BENCH FOR LENS-GRINDING MACHINES. CHARLES J. TROPPMAN, Chicago, Ill., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Original application filed Apr. 7, 1923, Serial No. 630,471. Divided and this application filed Nov. 25, 1924. Serial No. 752,167. 3 Claims. (Cl. 144—286.)



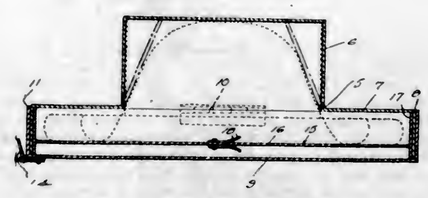
1. A machine bench comprising a structural metal strip frame work having upright leg members, table cover supports at the top of the legs and cross braces on the ends adjacent the bottom of the legs, the end table cover supports and the cross braces having a series of holes arranged along their length, a table cover having a series of holes adjacent its ends matching the holes in the table cover supports, separable locking members through the holes in the table cover supports locking the cover to the supports, shaft blocks having a shaft opening and retaining holes arranged to match the holes in the cross braces, separable locking members through the retaining holes in the shaft blocks and the cross braces locking the shaft blocks to the cross braces and a shaft extending through the shaft openings in the shaft block from one cross brace to the other, said retaining holes in the shaft blocks being adapted to match any desired holes in the cross braces to locate the shaft blocks in any desired location between the legs.

1,582,101. AUTOMATIC METAL FEEDER. BENJAMIN R. TURNER and ROBERT L. HIGGINBOTHAM, Norfolk, Va., assignors of three-eighths to said Turner, three-eighths to said Higginbotham, and two-eighths to C. S. Abell, Norfolk, Va. Filed June 9, 1925. Serial No. 36,014. 6 Claims. (Cl. 22—80.)



3. The combination with a fixed support and a movable melting pot, of a guide for delivering solid material downwardly into the pot, means controlling the downward movement of the solid material into the top and controlled by the level of the molten material in the pot, means for mounting said guide on the support for the movement of said guide with the pot, and a link connecting said guide and pot for moving the guide with the pot.

1,582,102. HAT RECEPTACLE AND PRESS. WILLIAM T. TUTEN, Orlando, Fla. Filed June 22, 1925. Serial No. 38,747. 3 Claims. (Cl. 206—8.)

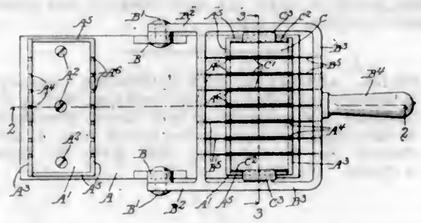


1. A receptacle of the class described including a body, a hinged lid on the body, and a rim press receivable in the body and held in place by the lid and comprising a plate body having a rim of continuous formation disposed about the edge thereof.

1,582,103. ICE-CREAM CUTTER. VITO VITULLO, Chicago, Ill. Filed June 15, 1925. Serial No. 37,158. 7 Claims. (Cl. 107—21.)

1. In an ice cream slicing machine a base, a multiple blade knife pivoted on said base, an ice cream block sup-

port, side walls therefor, slotted from top to bottom to permit the penetration of said knife, a removable ice

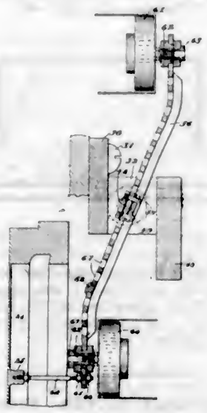


cream block carrier adapted to be positioned on said support, comprising a bottom member, end members, and handles associated with the end members.

1,582,104. GAME DEVICE. ALFRED T. VOELKER, Glassboro, N. J. Filed July 23, 1925. Serial No. 45,589. 1 Claim. (Cl. 273—95.)

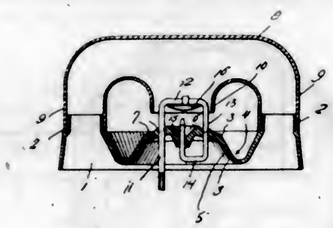
A paddle having an opening therein, and a handle on the paddle having a dished part, the opening and dished part being adapted for catching a ball.

1,582,105. SUBMARINE SIGNALING APPARATUS. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal and Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed May 11, 1921. Serial No. 468,611. 28 Claims. (Cl. 181—0.5.)



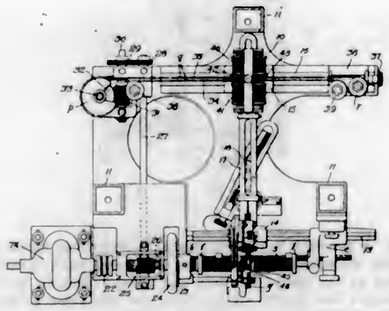
2. A sound receiving device comprising a water-tight housing having a diaphragm constituting a portion of its wall, a microphone within the housing spaced from the diaphragm and supported independently of the latter, and means for transmitting vibrations of the diaphragm to the microphone comprising an elongate rigid rod perpendicular to the plane of the diaphragm.

1,582,106. OIL GAS BURNER. ULYSSES S. WEDDINGTON, Childress, Tex. Filed Mar. 25, 1925. Serial No. 18,118. 2 Claims. (Cl. 158—64.)



1. An oil gas burner comprising a base provided with air discharge openings and provided at its center with an oil receiving cup, an air supply and heating duct disposed over said base and having downturned ends connected with said discharge openings, said duct being formed with an air discharge opening located over said cup, a breaker plate disposed in said discharge opening and having its periphery spaced therefrom to provide an annular passage for discharging air, and a fuel feed pipe extending upwardly through said base, cross wise of said discharge opening and downwardly, and having its extremity extending upwardly through and into said cup to provide a discharge nozzle, said discharge nozzle being located beneath said plate, and said plate being carried by a portion of said pipe.

1,582,107. CONVEYER. VICTOR WHITESIDE, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1922. Serial No. 609,611. 17 Claims. (Cl. 242—158.)

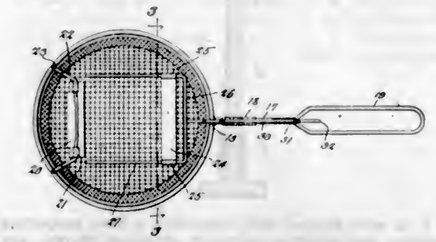


1. In a conveyer, an element, a carriage, a plurality of electro-magnets, an armature therefor, and circuit connections for said electro-magnets to cause said armature to be attracted by one of said electro-magnets to attach said carriage to said element and to produce opposing magnetic fluxes for maintaining said armature nearer said one of said magnets.

1,582,108. HOLDER. OSCAR DELLMONT WILLIS and EDWIN WOOD FELIX, Huntington, W. Va. Filed June 20, 1924. Serial No. 721,248. 3 Claims. (Cl. 206—41.)

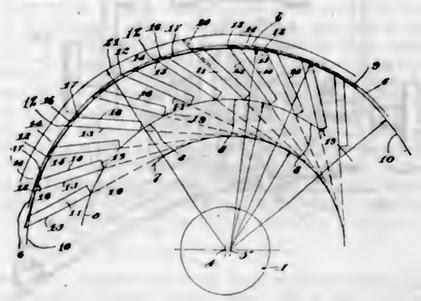
1. A holder comprising a U-shaped element consisting of two sides and a base; and a resilient tongue having teeth at the free extremity thereof on each of said sides, the tongues coacting to cause the teeth thereof to engage the opposite sides of a package to hold the package between the sides.

1,582,109. FRYING BASKET. WALTER BRUCE WILLS, Baltimore, Md. Filed Feb. 12, 1926. Serial No. 87,930. 3 Claims. (Cl. 53—7.)



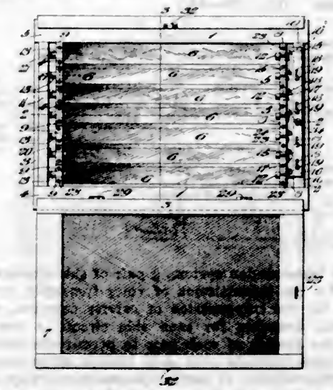
1. In combination with a frying basket having a body provided with a bottom and a handle projecting from one side of said body; of a support slidably mounted on the under side of said bottom and movable into housed position beneath the bottom and into protruded position to extend partly from beneath the bottom, said support comprising a single length of wire having a central portion and legs extending at right angles thereto, guides carried by said bottom engaging said legs, and means connected to said central portion and terminating adjacent said handle for moving the support between housed and protruded position.

1,582,110. HALF LAP. DONALD B. WINTER, Fall River, Mass. Filed May 12, 1924. Serial No. 712,843. 21 Claims. (Cl. 19—116.)



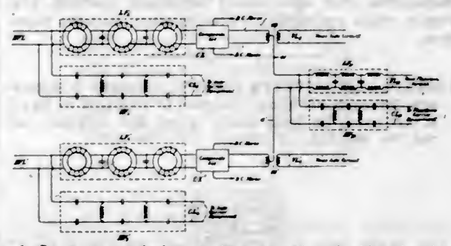
1. A comb-stock mountable upon a shaft, and having a longitudinal axis eccentric to that of the shaft; a multiplicity of matrix slots therein; a matrix for each of said slots, having a brush-surface tangent to an arc struck from said axis as a centre giving the desired pitch to each of said matrix brush-surfaces.

1,582,111. COMBINED SCREEN AND ADJUSTABLE TRANSPARENT VENTILATOR. MICHAEL WOGAN, Philadelphia, Pa. Filed Feb. 27, 1924. Serial No. 695,407. 2 Claims. (Cl. 20—62.)



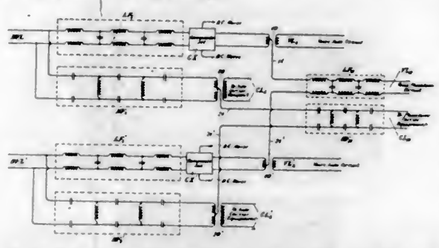
1. In a combined screen and transparent ventilator, a frame, a plurality of vertically aligned glass panels pivotally supported within said frame; a fixed bearing block on the one side of said frame and a plurality of vertically aligned bearing blocks removably attached to the other side thereof; trunnions rigidly fixed to the respective ends of said panels, and coacting with said bearing blocks to support said glass panels; and thrust members, parallel to the bearing blocks on the two sides of the frame respectively, contacting with the ends of the respective trunnions adapted to prevent lateral displacement thereof.

1,582,112. PHANTOM CARRIER CIRCUITS. HERMAN A. APPEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1925. Serial No. 49,607. 3 Claims. (Cl. 179—15.)



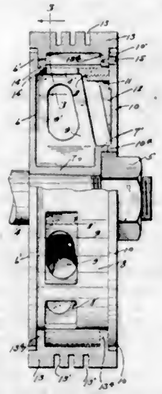
1. In a transmission system, a pair of side circuits each adapted for the transmission of voice frequency currents and also for the transmission of carrier currents, a pair of terminal branches for each side circuit, a low pass filter in one branch of each pair to permit the transmission of voice currents over said branch while suppressing the transmission of carrier frequency currents transmitted over the conductors of the side circuits in series, a high pass filter in the other branch of each pair to readily transmit carrier currents from terminal carrier equipment to and from the side circuit while preventing voice frequency currents from entering said branch, means to establish a phantom connection adjacent one end of the low pass filter associated with each side circuit to form a phantom circuit, branches for said phantom circuit, a low pass filter in one of said branches to permit voice frequency currents to be transmitted over the phantom to and from said branch while suppressing carrier frequency currents from said branch, and a high pass filter in the other branch to permit the transmission of carrier frequency currents over the phantom to and from said branch while suppressing the transmission of voice frequency currents.

1,582,113. PHANTOM CARRIER CIRCUITS. HERMAN A. AFFEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 11, 1925. Serial No. 49,608. 3 Claims. (Cl. 179—15.)



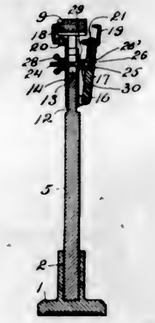
1. In a transmission system, a pair of side circuits each adapted for the transmission of voice frequency currents and also for the transmission of carrier currents, a pair of terminal branches for each side circuit, a low pass filter in one branch of each pair to permit the transmission of voice currents over said branch while suppressing the transmission of carrier frequency currents transmitted over the conductors of the side circuits in series, a high pass filter in the other branch of each pair adapted to transmit carrier currents from carrier terminal equipment to and from the side circuit while preventing voice frequency currents from entering said branch, means to establish a phantom connection adjacent one end of said low pass filter associated with each side circuit to form a phantom circuit for the transmission of voice frequencies, means to establish a phantom connection adjacent one end of said high pass filter associated with each side circuit to form a phantom connection for the transmission of carrier frequencies, a low pass filter in said first mentioned phantom connection to permit the voice frequency currents to be transmitted thereover while suppressing carrier frequency currents, and a high pass filter in said second mentioned phantom connection to permit carrier frequency currents to be transmitted over said second mentioned phantom connection while suppressing voice frequency currents therefrom.

1,582,114. LOCOMOTIVE PISTON. CHARLES S. ANDERSON, Minneapolis, Minn., assignor of one-third to David E. Anderson, St. Paul, Minn. Filed Mar. 5, 1924. Serial No. 697,112. 2 Claims. (Cl. 74—108.)



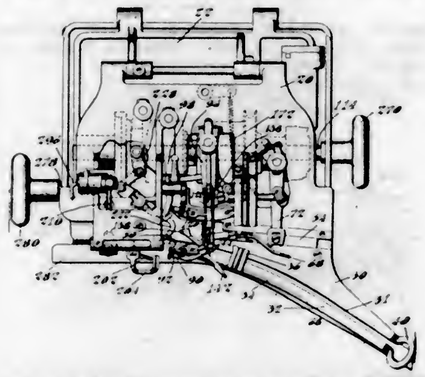
1. A piston comprising a spider having an axial sleeve-like hub and a cylindrical flange located inward of its periphery and concentrically surrounding said hub, an annular follower having a cylindrical flange located inward of its periphery and having threaded engagement with the interior of the cylindrical flange of said spider, a bull ring surrounding the cylindrical flange of said spider and clamped between those portions of the spider and follower that project radially outward of their respective cylindrical flanges, said hub having an enlarged opening adapted to clear the exterior of a nut, and said follower having an axial opening that registers with the enlarged opening of said hub and is also adapted to clear the exterior of a nut, said follower being clamped directly against the adjacent flat surfaces of the hub and cylindrical flange of said spider.

1,582,115. SHOE-SHINING FOOT REST. ROY W. ANSELM, Kansas City, Mo. Filed Feb. 26, 1925. Serial No. 11,679. 3 Claims. (Cl. 15—265.)



1. A shoe shining rest comprising a shoe supporting member, two members vertically adjustable thereon and toward and from each other, two sole holding members respectively pivoted on substantially vertical axes on said members respectively, and means for releasably holding said vertically adjustable members in the position to which they are adjusted.

1,582,116. BUTTONING MACHINE. LEWIS JAMES BAZZONI, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 9, 1924. Serial No. 712,002. 33 Claims. (Cl. 12—69.3.)

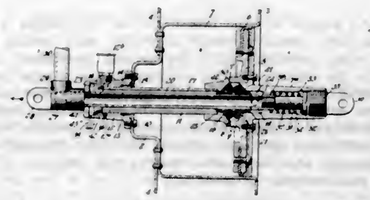


1. In a machine for operating on shoe uppers, a frame, an arm mounted for swinging movement, operating means for the arm positively actuated to and fro, and means for connecting said operating means to the arm to allow movement of the arm to be retarded in one direction comprising a bell crank lever pivotally mounted on the arm, means for connecting said lever to said operating means, guiding means pivotally mounted on said frame for controlling the movement of another point on said bell crank lever, means resiliently urging said guiding means in one direction, and means positively controlling the movement of the guiding means in another direction.

1,582,117. MANUFACTURE OF AGGLUTINANT, SURFACE FINISHING AND SIZING COMPOSITION. GEORGE FREDERICK BLOMBERY, Sydney, New South Wales, Australia. Filed Feb. 13, 1922. Serial No. 536,354. 4 Claims. (Cl. 134—23.)

1. The herein described method of making a composition product usable for the purpose specified, consisting in incorporating a solution of sodium silicate (38-40° Bé. about) with an aqueous mixture of kaolin, calcium carbonate and formalin in the approximate proportions of 70:14:14 and 2 by weight respectively.

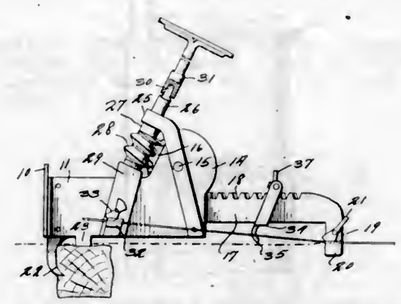
1,582,118. POWER ACTUATOR FOR THE BRAKE MECHANISM OF AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Apr. 3, 1925. Serial No. 20,332. 9 Claims. (Cl. 121—41.)



3. In a power actuator, the combination with a cylinder closed at one end and open at the other, a single acting piston in said cylinder, a hollow piston rod connected therewith and provided with means for connecting it with the part to be actuated, a valve chamber within the piston, communicating with the cylinder, connections from said valve chamber to a source of suction and to the atmosphere, oppositely disposed valves controlling said connections, yielding means for holding said valves seated, a valve actuating sleeve extending through said piston rod, piston, valve chamber and valves, and provided with means for opening one of said valves when said sleeve is moved in either direction, means for limiting the movement of the piston in a direction away from the closed end of the cylinder, a stop for said sleeve, for holding it in position to permit both of said valves to seat, connections between said valve sleeve and said piston permitting sufficient relative movement of the said sleeve to effect the actuation of said valves, and an operator operated part connected with said sleeve, whereby the physical power of the operator can be applied to the piston when said lost motion is taken up.

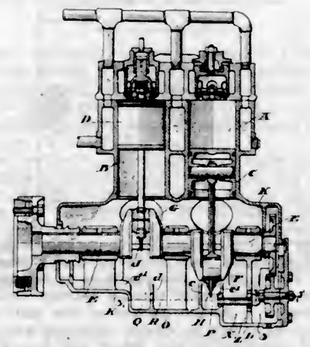
1,582,119. COMBINED JACK AND WIRE STRETCHER. JOHN W. CHERRY, Cumro, Nebr. Filed Dec. 1, 1925. Serial No. 72,534. 5 Claims. (Cl. 254—66.)

1. A jack and wire stretcher of the character described including a casing open at opposite ends, the casing being provided at one end with an outwardly projecting portion, a standard operating longitudinally through the casing and having a rack in one edge, one end of the standard having wire clamping means, means for longitudinally shifting the standard comprising a gear wheel having toothed engagement with the rack



teeth of the standard, and a worm carried by the casing and engaging said gear wheel and having means whereby it may be manually operated.

1,582,120. OILING DEVICE. ALLAN O. CARPENTER, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 20, 1925. Serial No. 44,717. 2 Claims. (Cl. 184—13.)

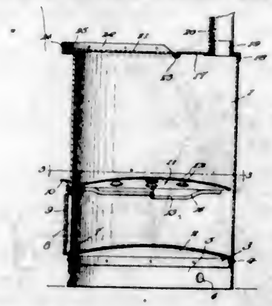


1. An oiling device for duplex compressors, pumps and the like comprising in combination, a crank shaft, and cranks, a crank case, splash troughs, and an overflow chamber, a sump chamber at a lower level containing oil elevating gears, oil receiving pockets, conduits leading from the oil receiving pockets through the walls of and into the splash troughs respectively, and a return flow chamber at a lower level than the overflow chamber and communicating therewith and with the sump chamber.

1,582,121. HEATING STOVE. CLIFFORD T. CHUMLEY, Nashville, Tenn. Filed Dec. 29, 1924. Serial No. 758,764. 1 Claim. (Cl. 126—63.)

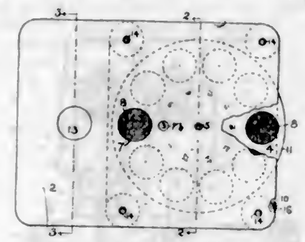
A heating stove comprising a vertically disposed body, and a closure for the upper end of said body, said closure including a stationary section and a movable section, the movable section being of greater dimensions than the portion of the body to be closed thereby and having its marginal portion projecting outwardly from the body and provided with an upstanding flange constituting a guard flange to retain articles upon the upper face of the movable section, and a reinforcing strip secured

against the outer face of said guard flange, the reinforcing strip being of greater depth than said guard flange and projecting downwardly therefrom below the plane of



the movable section into overlapping relation to the walls of said body and providing a depending flange adapted to be engaged when the movable section is swung upwardly to an open position.

1,582,122. METHOD AND MEANS FOR DETERMINING COLOR CHARACTERISTICS. GEORGE WOOD CLAPP, New Rochelle, N. Y., assignor to The Dentists' Supply Company, a Corporation of New York. Filed Mar. 3, 1924. Serial No. 696,432. 6 Claims. (Cl. 88—14.)



1. Means for determining the color characteristics of a surface of an object, such as the skin of a person, comprising a shield having two apertures in relatively close association, one of which extends entirely through the shield whereby a limited portion of the skin or other part of a person may be viewed, combined wtih a rotatable sheet journaled to the shield and having thereon a plurality of colored surfaces of a dominant color but respectively of different shades thereof, said colored surfaces so disposed upon the sheet as to permit them to be successively brought under the other of the apertures in the shield for comparison with the skin or other part of the object viewed through the other of the two apertures, and said colored surfaces each being associated with indicia by which its color constituents may be determined.

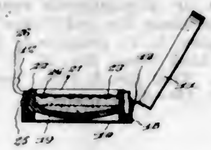
1,582,123. DISTILLATION OF CRUDE PETROLEUM. EDGAR MILTON CLARK, New York, N. Y., assignor to Standard Development Company, a Corporation of Delaware. Filed July 3, 1919. Serial No. 308,645. 6 Claims. (Cl. 196—85.)

1. The method of distilling crude petroleum for obtaining a maximum yield of substantially uncracked distillate therefrom which consists in carrying on the distillation of a body of said crude petroleum with the aid of injected steam and below cracking temperature until there is produced a residual fuel pitch in quantity substantially the same as the quantity of coke which may be produced by distilling the same oil to dryness by fire alone, and removing said fuel pitch from the still while it is in liquid condition.

1,582,124. RAZOR BLADE AND HOLDER. ELIZABETH H. CLARK, Mangum, Okla. Filed June 27, 1922. Serial No. 571,320. 2 Claims. (Cl. 30—12.)

1. A razor comprising a holder adapted to support a blade, said holder having tines or legs disposed in parallel spaced relation, said legs having oppositely disposed threaded openings having their axes at an obtuse angle to each other whereby the handle may be secured in position at different angles to the plane of the blade.

1,582,125. TOILET KIT. FREDERICK D. CLARKE, New York, N. Y. Filed Sept. 29, 1925. Serial No. 59,337. 3 Claims. (Cl. 132—83.)

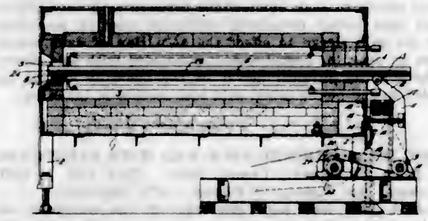


1. An article of the class described comprising a casing, a disk rotatably mounted within said casing, said disk being provided with depressions presenting openings in the direction of its rotation and a powder holder seating within said casing and having a resilient bottom portion spaced from the bottom of said casing, said resilient bottom constantly maintaining the powder in contact with said disk and forcing the same through said openings in said depressions during the rotation of said disk, substantially as described.

1,582,126. PRODUCTION OF ZIRCONIUM OXIDE. HUGH S. COOPER and LE RUE P. BENSING, Cleveland, Ohio, assignors to Kemet Laboratories Company, Inc., Cleveland, Ohio, a Corporation of New York. Filed Mar. 1, 1920. Serial No. 362,179. 10 Claims. (Cl. 23—21.)

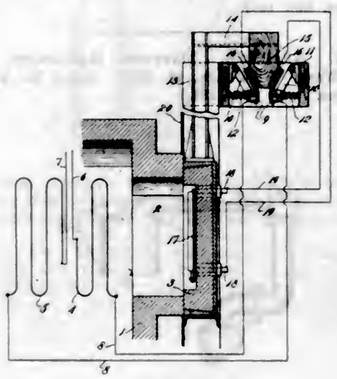
9. In a process of preparing commercially pure zirconium oxide, the step which consists in subjecting anhydrous zirconium chlorid, substantially free from iron, to the hydrolyzing action of moisture and heating at progressively increasing temperatures, thereby producing zirconium oxide.

1,582,127. HEATING FURNACE. FRANK T. COPE, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Nov. 20, 1924. Serial No. 751,028. 6 Claims. (Cl. 214—18.)



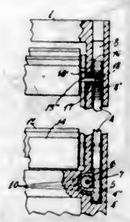
1. A heating furnace including a heating chamber, a hearth located therein, antifriction means supporting the forward end of the hearth, a bell crank pivotally connected to the rear of the hearth, a bumper adjacent to the bell crank, a spring urging the bell crank toward the bumper, and a cam for moving the bell crank away from the bumper and releasing the same.

1,582,128. FURNACE-DOOR-HEATING MECHANISM. FRANK T. COPE, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Mar. 5, 1925. Serial No. 13,134. 5 Claims. (Cl. 204—64.)



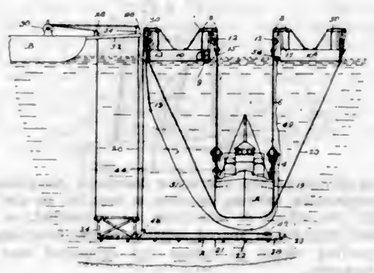
1. An electric furnace including a resistor within the furnace, a movable door upon the furnace, a resistor carried upon the door, an electric circuit in which said resistors are normally located and means whereby the circuit to the door resistor is broken as the door is opened and is closed as the door is closed without interrupting the circuit to the resistor within the furnace.

1,582,129. WINDOW BLIND. MANUEL QUESADA CORNIDE, Habana, Cuba. Filed Feb. 3, 1923. Serial No. 616,776. 2 Claims. (Cl. 20—62.)



1. A blind for closing an opening, comprising, a plurality of slats, a vertical recess adjacent the opening, a bar in the recess, friction rollers on the bar, a toothed edge on the bar, a toothed lower end on the bar, a shaft at the lower end of the recess, a gear on the shaft in mesh with the toothed lower end of the bar, a handle on the shaft, stop means on the handle, a trunnion on one end of each slat mounted rotatably at one side of the opening, a squared trunnion on the other end of each slat, a lath at one edge of the recess, semicircular grooves in the lath, a corresponding separate sectional lath with matching semicircular grooves positioned on the lath, the squared trunnions being rotatably mounted between the lath and the sectional lath whereby slats can be separately removed without disturbing the remaining slats, and gears on the squared trunnions in mesh with the toothed edge of the bar.

1,582,130. APPARATUS FOR PLACING HOISTING CABLES BENEATH SHIPS. JAMES G. CUBBEY, Lenvenworth, Kans. Filed Nov. 18, 1924. Serial No. 750,608. 8 Claims. (Cl. 114—51.)



1. In an apparatus of the character described, an arm consisting of transverse and longitudinal members, means for lowering and raising said arm, a float associated with said arm and having a line attached thereto, and means for releasing said float.

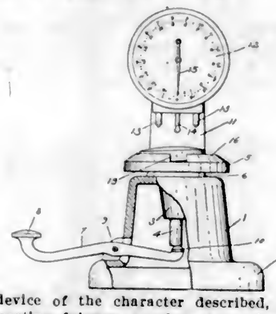
1,582,131. METHOD OF RECOVERING A METALLIC HALIDE FROM HYDROCARBON SLUDGES. PHILIP S. DANNER, Point Richmond, Calif., assignor to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed May 19, 1925. Serial No. 31,334. 3 Claims. (Cl. 23—96.)

1. The method of reclaiming a metallic halide from the sludges produced during its use in the conversion of hydrocarbons, which consists in the simultaneous cracking and hydrogenation of the highly unsaturated heavier hyrocarbons in these sludges, whereby lighter saturated hydrocarbons are produced, and the metallic halide is set free for further use in the treatment of new supplies of petroleum hydrocarbons.

1,582,132. METHOD OF CONTROLLING THE TEMPERATURE OF CAST GLASS IN THE MANUFACTURE OF SHEET GLASS BY VERTICAL DRAWING. ERNEST DELACUVELLERIE, Dampremy, Belgium, assignor to The Société Anonyme "Brevets Fourcault," Dampremy, Belgium, a Corporation of Belgium. Filed Apr. 16, 1923. Serial No. 632,497. 3 Claims. (Cl. 49—17.)

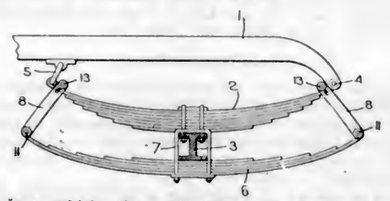
1. The method of controlling the temperature of molten glass in the manufacture of sheet glass in glass drawing furnaces consisting in applying heat locally to the portions of the body of molten glass lying contiguous to the walls of the furnace before the glass reaches the drawing chamber of the furnace whereby to maintain the entire mass of molten glass at a uniform temperature during drawing operation.

1,582,133. LENS MEASURE. ARTHUR EDWARD DEMERS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 18, 1922. Serial No. 554,923. 6 Claims. (Cl. 33—172.)



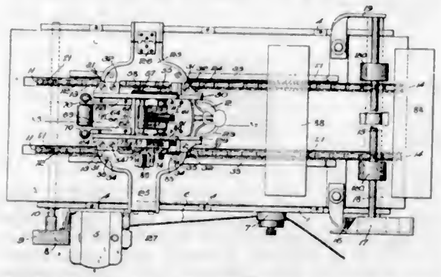
4. A device of the character described, compriaing a lens supporting fulcrum member, a member on the lens support on which a lens may be supported, a lens measure mounted in spaced relation to the lens support, and moving means to engage the supported lens and lens measure.

1,582,134. VEHICLE SPRING. RAYMOND I. FERNSTROM, Sharon, Mass. Filed Oct. 12, 1922. Serial No. 594,053. 2 Claims. (Cl. 267—45.)



1. In a vehicle, the combination with a vehicle frame and axle, of a main load-supporting spring secured to the axle and having its ends secured to the frame, an auxiliary stabilizing spring secured centrally to the axle, shackles connecting the ends of the stabilizing spring with the main spring, each shackle comprising two straps connected to the stabilizing spring, a roll carried by each pair of straps and resting against the upper side of the main spring, each strap having ears struck up therefrom which engage the under side of the main spring thereby to hold the roll in engagement with said spring.

1,582,135. MACHINE FOR SEALING CIRCULARS. ARTHUR H. GUSTAFSON, Jersey City, N. J., assignor to Henry E. Holbrook, Boston, Mass. Filed June 9, 1920. Serial No. 387,573. 14 Claims. (Cl. 216—57.)

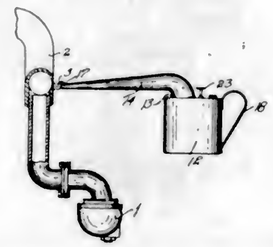


1. In a machine of the class described, folder accelerating means for quickly feeding a folder to folder feeding means, means for feeding a folder, article controlled step by step wafer transferring means for carrying a wafer to the path of the folder, wafer holding means, wafer smoothing means, and wafer pressing means.

1,582,136. COMPOSITION FOR REPRODUCING DESIGNS, PRINTS, PICTURES, ETC. GRACE GUSTIN and WILLIAM J. GUSTIN, Los Angeles, Calif. Filed Jan. 25, 1926. Serial No. 83,771. 11 Claims. (Cl. 41—33.)

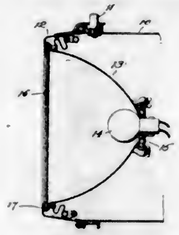
1. A composition for use in the transfer of pictures, prints, and the like comprising sugar, carbolic acid, turpentine, and soap.

1,582,137. STARTER. MATTHEW HARRINGTON, Spokane, Wash. Filed Apr. 18, 1925. Serial No. 24,109. 2 Claims. (Cl. 123—180.)



1. The combination with the intake manifold of an internal combustion engine, a coupling fixed thereto, a normally closed valve in said coupling, and means on the coupling for receiving a supply nozzle, of a tank and means therein for generating gas, and a supply nozzle on the tank for coaction with the coupling for opening said valve.

1,582,138. HEADLIGHT. ARTHUR Q. HEINES, Evansville, Ind., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind., a Corporation of Indiana. Filed Apr. 28, 1922. Serial No. 557,066. 5 Claims. (Cl. 240—41.)

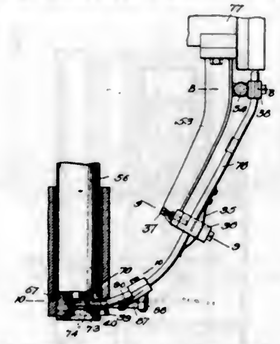


1. In a headlight, a reflector, a glass or the like extending over said reflector, a frame, and means for quickly detachably securing said glass, a reflector and frame together comprising resiliently mounted and pivotally movable links, and spring securing elements so mounted on said links that said spring elements can be freely rotated to secure said reflector in said frame.

1,582,139. BOTTLE-CAPPING MACHINE. JOHN EMANUEL JOHNSON and CHARLES H. OSLUND, Worcester, Mass. Filed Oct. 31, 1919, Serial No. 334,083. Renewed Sept. 28, 1925. 8 Claims. (Cl. 226—88.1.)

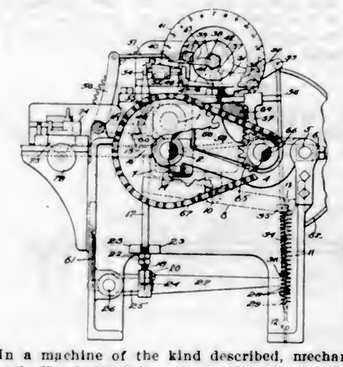
1. In a bottle capping machine the combination, with a reciprocating capping head having in its side an opening for the admission of a cap and a rotatable carrier

for said head, of a chute for delivering a series of caps to said head movable toward and from the same, and means for giving the delivery end of said chute a quick motion



toward and from the head while the head is in raised position and is being moved to carry the above mentioned opening circumferentially past the said delivery end.

1,582,140. MACHINE FOR GRADING LEATHER STRIPS AND DIED-OUT PIECES. ELMER P. NICHOLS, Manchester, N. H., assignor to Lacene Manufacturing Company, Manchester, N. H., a Corporation of Maine. Filed Aug. 12, 1915. Serial No. 45,198. 29 Claims. (Cl. 33—147.)



1. In a machine of the kind described, mechanism for automatically determining the grade of a leather piece with reference to the thinnest spot among a plurality of spots felt of by continuous act, including means for visually indicating said grade to the operator, and means for automatically restoring said indicating means for the next piece, the aforesaid mechanism including means for controlling such restoring so constructed as to leave the time of said restoration to the independent control of the operator.

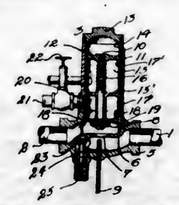
18. A machine of the kind described comprising grade detecting mechanism for detecting the grade of successive blanks of stock according to thickness, mechanism responsive to said grade detecting mechanism for utilizing the grade detection, a member adapted to rest against the blank in advance of the grade detecting mechanism, and a lock actuated by the member when it ceases to contact with the blank to maintain the grade utilizing mechanism in accordance with the grade detection, said member being normally in the path of the blank but adapted to be moved out of such path to release the lock to admit another blank to the detecting mechanism before the preceding blank has left the machine.

20. A machine of the kind described comprising feeding and stock detecting devices for detecting the grade of successive blanks of stock according to their thickness, grading mechanism to utilize said detection, connections for automatically adjusting said grading mechanism in accordance with the detection of said detecting devices, and means for locking said grading mechanism as adjusted, said last named means comprising a member normally in the path of the stock entering the machine but adapted to be moved out of said path by said stock to unlock the grading means, the aforesaid mechanisms being so constructed and arranged as to permit the detecting devices to receive and feed in a succeeding blank before the preceding blank has left the machine.

1,582,141. ELECTRICAL RESISTANCE MATERIAL. JOHN S. NOWOTNY, Cincinnati, Ohio. Filed June 13, 1921. Serial No. 477,265. 4 Claims. (Cl. 201—76.)

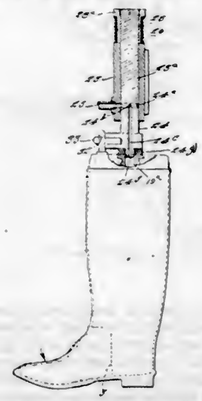
2. The herein described process of forming an electrical apparatus element product, which consists in first forming by heat treatments a slag-like body containing selected materials of variable electrical resistance, second, reducing the body by attrition, grinding or crushing, and mixing it with predetermined proportions of like materials of variable electrical properties, and third, forming it into a unitary body.

1,582,142. TRAIN-CONTROL APPARATUS. CHARLES A. PARKER, Haugan, Mont., assignor to Western Automatic Company, Spokane, Wash. Filed Mar. 6, 1923. Serial No. 623,289. 3 Claims. (Cl. 246—181.)



3. The combination with a valve casing having a normally open seat, of a cylinder having a head in said casing, an exhaust chamber and ports between said casing and chamber, a valve normally closing said ports, a piston connected with the valve forming a closed expansion chamber and a reduction chamber having normally equalized pressure and a spring engaging said piston to hold the valve normally closed, and means for reducing pressure in the reduction chamber whereby the piston is pressure actuated to close said valve.

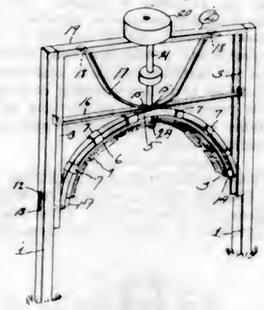
1,582,143. BOOT TREE OR LAST. JOSEPH E. PERRAULT and LOUIS J. SCHROEDER, Watertown, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed May 14, 1925. Serial No. 30,275. 21 Claims. (Cl. 18—46.)



16. In combination, a last having a body section and a toe section, with a detachable connection between them releasable by fluid pressure, means for supplying fluid

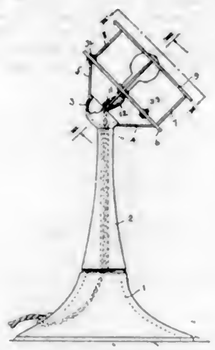
pressure, including a valve, a support for the last on which it may swing, said last when swung on said support first seating against the fluid pressure supply means, and by a further movement operating the valve to supply the fluid pressure, substantially as described.

1,582,144. ANIMAL-SCRATCHING DEVICE. EMIL PFLAUM, Omaha, Nebr. Filed Feb. 28, 1925. Serial No. 12,304. 4 Claims. (Cl. 119—157.)



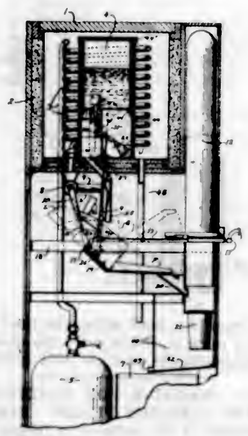
4. The combination with a yieldably supported arcuate scratching device vertically guidable in an inverted U-shaped frame, of a tank supported by said frame, a discharge pipe carried by said tank and extending through an aperture in the arcuate scratching device, a valve carried by said discharge pipe a valve stem extending through said discharge pipe and carried by said valve and an animal engaging member carried by the valve stem and disposed beneath the arcuate scratching device.

1,582,145. LIGHTER. MILTON H. SHOENBERG and LESTER SCHON, San Francisco, Calif.; said Schon assignor to said Shoenberg. Filed July 17, 1924. Serial No. 726,477. 7 Claims. (Cl. 219—32.)



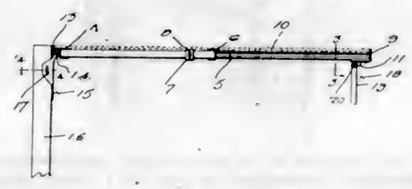
1. A lighter comprising a standard, a base and a ring supported by arms from the said standard, a backing plate within and spaced from said ring, upstanding supports on said plate, a refractory tube between said supports spaced in front of said plate, a resistance element within said tube and connections passing through the standard and base and plate adapted to energize said resistance.

1,582,146. DRINK-VENDING MACHINE. STEWART F. SPROUL, Eldorado, Kans. Filed Oct. 31, 1924. Serial No. 747,068. 5 Claims. (Cl. 225—21.)



1. In a vending machine, a pivoted tipping mixing chamber and means controlled by the tipping of the chamber in one direction to supply a plurality of fluids thereto, the mixture being dispensed on tipping in the other direction and the supply cut off.

1,582,147. WALL-BOARD SUPPORT. JOHN C. STANLEY, Denver, Colo. Filed July 23, 1925. Serial No. 45,669. 4 Claims. (Cl. 304—10.)

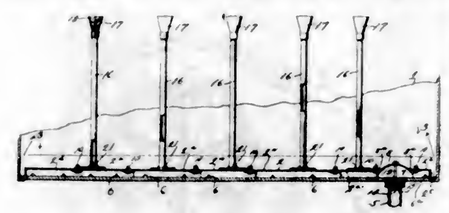


1. In an apparatus of the class described, a hanger rod, means for supporting the same, a frame provided at one end with hooks adapted to fit over the rod, angle brackets at the opposite end of the frame, said angle brackets embodying extensions adapted to serve as stops for an adjacent end of a wall board, lugs carried by said brackets, and a prop including a cross head adapted for engagement with said lugs.

1,582,148. BOILER CLEANER. JOHN H. STOCKHOLDER, New Orleans, La., assignor to Automatic Boiler Cleaner Company. Filed June 30, 1921. Serial No. 481,520. 1 Claim. (Cl. 122—381.)

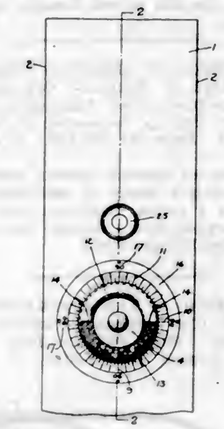
The combination with a boiler, of a cleaning device therefor, said device comprising a horizontally disposed conduit disposed on the bottom of said boiler, said conduit being segmentally shaped in transverse cross section, the opposite edges of said conduit being notched, said conduit being formed from a plurality of sections, the adjacent ends of said sections overlapping and being secured together, said boiler bottom being provided with

a blow off pipe, a hood forming one section of said conduit and entirely housing the blow off pipe, a vertically disposed pin extending through the hood, said pin



having its lower end disposed within the blow off pipe and a plurality of ribs carried by the end of the pin within the blow off pipe.

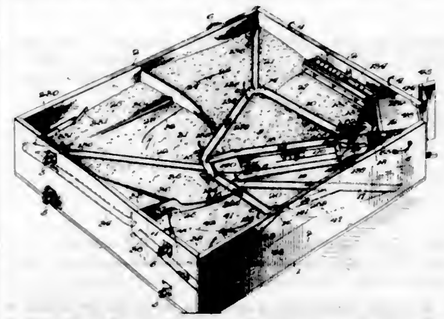
1,582,149. LEVEL. JONATHAN ROBERT STOWELL, Vancouver, British Columbia, Canada. Filed July 14, 1924. Serial No. 726,006. 1 Claim. (Cl. 33—206.)



A level comprising a straight edge member provided with a circular aperture extending therethrough, said aperture being widened at each end to form an internal outwardly facing annular ledge, a pair of conical annular members arranged within the opening with the inner smaller edges of said members approaching one another at approximately the longitudinal center of the opening, the outer edges of said members being shaped to provide portions flatly engaging the aforesaid ledges and terminating in oppositely directed annular flanges extending longitudinally of the opening and engaging the circumferential wall of the opening outwardly of said ledges said flanges being internally threaded, an annular leveling tube containing a suitable fluid and supported by and between the inner ends of said conical members, transparent closure members applied to the ledge engaging portions of said conical members, and retaining rings threadedly engaged with the aforesaid flanges of the conical members and serving to hold the transparent covers in place.

1,582,150. GAME APPARATUS. JOHN WILLIS WEAVER, Raleigh, N. C. Filed Mar. 5, 1925. Serial No. 13,259. 32 Claims. (Cl. 273—89.)

2. In a game apparatus, a game board formed to provide an infield, an outerfield, and a runway dividing the infield from the outerfield, a spring impelled batting mechanism at the head of the infield, said outerfield having means for guiding a batted ball toward said run-

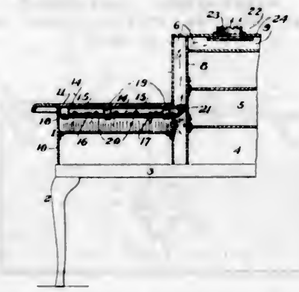


way, and a pitching mechanism slidably supported on the infield and operable to throw a ball toward said batting mechanism.

1,582,151. IRONING COMB. ISAAC L. WOLKOW, San Carlos, Calif. Filed Dec. 18, 1924. Serial No. 756,650. 2 Claims. (Cl. 132—14.)

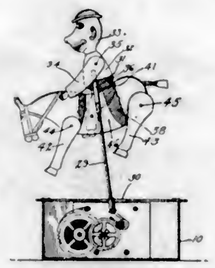
1. An ironing comb comprising a metallic body having smooth ironing portions and a row of teeth upstanding therefrom and a second row relatively shorter teeth on said body and upstanding at right angles from said first named teeth.

1,582,152. COOKING RANGE. WILLIAM WESLEY WOODS, Springfield, Mo. Filed Sept. 6, 1924. Serial No. 736,328. 3 Claims. (Cl. 126—39.)



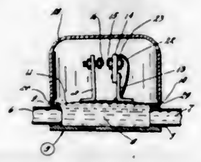
1. The combination with a cooking range including burners, a top plate overlying said burners, and a double walled oven, of an apertured flue arranged beneath said plate in rear of the front burners, with the apertures in said flue facing said burners so as to conduct the heat therefrom, the inner open end of said flue discharging into the space between the walls of said oven, the other end of the flue being closed.

1,582,153. MECHANICALLY-OPERATED FIGURE TOY. LENLY S. YOUNG, Dorchester, Mass. Filed Aug. 27, 1925. Serial No. 52,890. 5 Claims. (Cl. 46—40.)



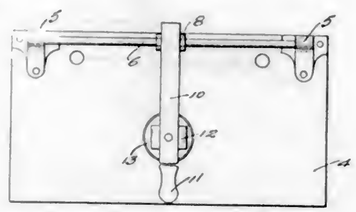
1. A toy comprising a casing, a motor in the casing, a rocker shaft mounted in the casing operated by the motor, a stem on the shaft and extending upwardly through the casing, a rider body mounted on the stem, an animal body pivotally mounted on the rider body, arms pivotally carried by said rider body, and legs pivotally mounted on said animal body and adapted for free swinging movement therewith.

1,582,154. PRESSURE-CONTROLLED INDICATOR FOR MOTORS. ALBERT ZEIHER and JOHN E. ZEIHER, Seattle, Wash. Filed Jan. 7, 1925. Serial No. 984. 7 Claims. (Cl. 200—83.)



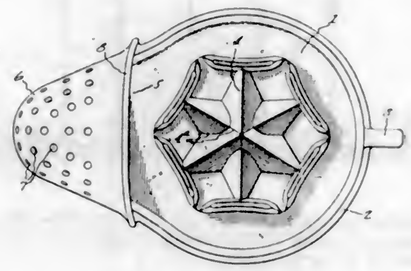
1. In combination, a flexible diaphragm and means for actuating the same, a pair of contacts having support entirely upon the diaphragm for movement therewith, said contacts being positioned for engagement with each other on the movement of the diaphragm in one direction, substantially as described.

1,582,155. VALVE-SPRING COMPRESSOR. ARTHUR B. BAILEY, Norton, Va. Filed Oct. 4, 1923. Serial No. 666,512. 1 Claim. (Cl. 29—86.3.)



A valve spring compressor comprising a platform, a rod supported thereon, a link slidably mounted upon the rod, a lever pivoted at a point between its ends to the link, a U-shaped member secured at its intermediate portion to the side of the lever at a point between the ends thereof and disposed transversely thereof, said U-shaped member having inwardly disposed end extremities spaced from each other.

1,582,156. FRUIT-JUICE EXTRACTOR AND STRAINER. HENRY BAUM, East Cleveland, Ohio. Filed Sept. 21, 1925. Serial No. 57,698. 1 Claim. (Cl. 146—3.)

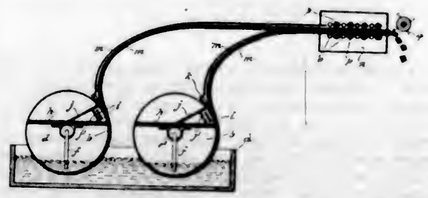


A combined juice extractor and strainer of the type described, comprising a dish having a strainer formed integral with the side wall thereof, said strainer being substantially conical in shape and having an outwardly flared edge on the side thereof opposite the bottom of the dish.

1,582,157. METHOD OF REDUCING METALLIC SULPHIDES. JOHN W. BECKMAN, Oakland, Calif., assignor to Beckman-Linden Engineering Corporation, San Francisco, Calif., a Corporation of Nevada. Filed May 22, 1922. Serial No. 562,820. 12 Claims. (Cl. 204—63.)

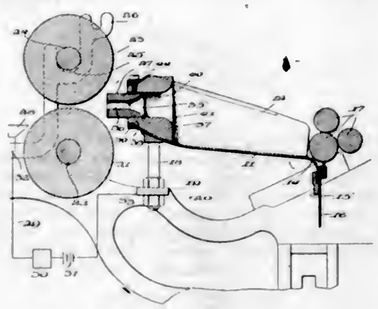
4. The process of reducing metallic sulphides which consists of forming a charge of said sulphides with a basic oxide and a carbon constituent and a flux, then heating the charge to form a sulphide with the base and to reduce the metallic constituent.

1,582,158. METHOD OF AND APPARATUS FOR MAKING SHEET ICE. GEORGE L. BENNETT, Cleveland Heights, Ohio. Filed Feb. 12, 1924. Serial No. 692,221. 17 Claims. (Cl. 62—172.)



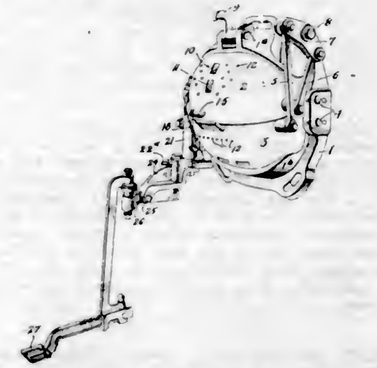
6. The herein described method of making sheet ice consisting in simultaneously and continuously forming a plurality of layers of ice in curved form by immersing and slowly rotating cylindrical bodies in water while circulating a refrigerating medium in each of said bodies, subjecting each layer of ice while upon the body upon which it is formed, to a temperature which will break the bond between the ice and the body upon which it is formed, to facilitate the separation of the ice therefrom, stripping each layer of ice thus formed from said body in a continuous sheet, thereafter passing said sheets in surface contact one with the other through a refrigerating chamber to complete the congealing operation and bond said sheets together, and applying pressure to the sheets of ice while in said refrigerating chamber to secure the desired intimate contact of the contacting surfaces thereof.

1,582,159. TRUMPET FOR COTTON MACHINES. ARTHUR JEFFERSON BLACKWOOD, Carrboro, N. C. Filed May 16, 1925. Serial No. 30,861. 2 Claims. (Cl. 19—165.)



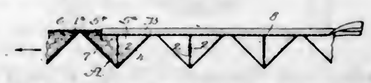
1. A sliver stop motion mechanism comprising a trumpet device including a support, said support having a longitudinal passage flared at its inner end, a trumpet slidably mounted in the longitudinal passage and provided with a circular passage, the inner end of the circular passage being flared, a groove provided in the outer wall of the trumpet and terminating short of the inner end of said trumpet, a set screw mounted in the support and having its inner end projecting into the groove for adjustably positioning the trumpet in its support to compensate for various lengths of staples employed in the sliver.

1,582,160. FIRE-BOX DOOR. EINAR JOHAN BRING, Franklin, Pa. Filed Apr. 17, 1920. Serial No. 374,657. 16 Claims. (Cl. 110—177.)



2. A clam shell door for a fire box opening including segments having their ends pivoted adjacent the box so that the segments rotate toward the box in door opening movement.

1,582,161. GARMENT-TRIMMING MATERIAL. PERCY E. BROWN, Three Oaks, Mich., assignor to The Warren Featherbone Company, Three Oaks, Mich., a Corporation of Michigan. Filed Mar. 8, 1923. Serial No. 623,665. 2 Claims. (Cl. 2—278.)



1. A garment trimming material as a new article of manufacture, comprising ribbon or like narrow textile material cut at equal intervals along parallel lines extending at right angles to one edge, the severed edges being folded back along diagonal fold lines to coincide with the unsevered edge of the material and a binding strip stitched along said unsevered edge.

1,582,162. TELEPHONE RECEIVER. SIDNEY GEORGE BROWN, North Acton, England. Filed May 3, 1923. Serial No. 636,413. 6 Claims. (Cl. 179—117.)

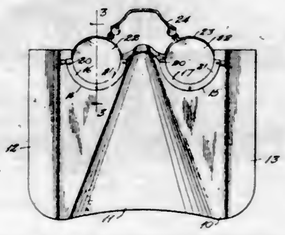
1. A magnet for telephone receivers comprising a sheet metal stamping having pole pieces integral therewith and bent up substantially at right angles to the plane of said stamping, as set forth.

6. In a telephone receiver, a screwed outer cap and a case having a number of shallow bosses in its rim, which bosses are screw threaded to receive the said cap.

1,582,163. SPRING OILER. WILLIAM H. BROWN, Cleveland, Ohio. Filed Nov. 23, 1923. Serial No. 676,638. 4 Claims. (Cl. 184—1.)

4. A spring oiler embodying a clip, a receptacle attached thereto and having vertical channels in its end walls, and a cover for said receptacle having a flange extending to the bottom of said channels to thus entirely close the channels except at their lower, delivery ends.

1,582,164. FACE PROTECTOR OR SHIELD. SAMUEL L. BURSTYN, Austin, Tex. Filed Sept. 8, 1923. Serial No. 661,603. 2 Claims. (Cl. 128—139.)

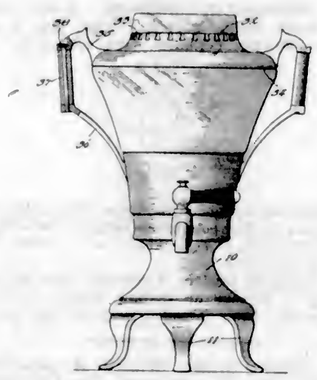


1. In a sanitary face shield, a body having a configuration to provide a nasal clearance and recesses in its upper edge, one on each side of the nasal clearance, and a frame fitted to each recess and having seats, one back of the other for the reception of lenses, the said frame and seats being open at the top to permit the insertion and removal of the lenses from above.

1,582,165. ELECTRIC COFFEE URN. JACOB CANTOR, Brooklyn, N. Y. Filed June 23, 1925. Serial No. 38,973. 8 Claims. (Cl. 53—3.)

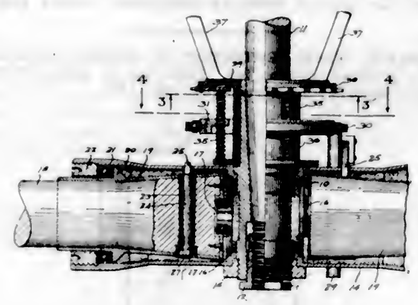
1. In a device of the class described, the combination of an open top metallic base, a receptacle shell fitted on said open top and provided with an opening in the bottom, a glass receptacle fitted in said receptacle

shell and having an opening in the bottom thereof, a heating tube having a closed bottom and an open top intruded through the openings in the receptacle shell and receptacle, clamping means for securing the heating



tube to the receptacle and to the receptacle shell, a faucet extending through the base and opening from the heating tube and a heating unit centered in the heating tube and projecting above the same into the glass receptacle.

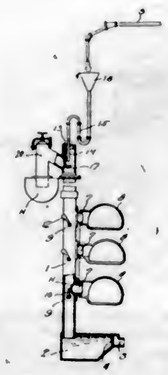
1,582,166. VARIABLE-PITCH PROPELLER. NILS HERMAN CEDERQUIST, Alhambra, Calif. Filed Aug. 21, 1922, Serial No. 583,221. Renewed Sept. 22, 1925. 11 Claims. (Cl. 170—163.)



1. In a propeller, the combination of a hub having blade sockets, propeller blades rotatably mounted in said sockets, adjustment arms mounted on said blades at the hub extending laterally of said blades, means to independently adjust the lateral extension of each of said arms, an adjustment carriage movable axially of the hub, said carriage being connected to said arms so as to swing the latter in unison and vary the pitch.

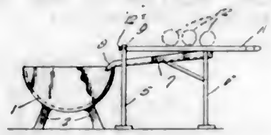
1,582,167. CONVERTIBLE SCRUBBER STANDPIPE AND RETORT MOUTHPIECE. FRANK S. COOK, Hancock, Mich. Filed Apr. 24, 1924. Serial No. 708,822. 1 Claim. (Cl. 48—171.)

In apparatus for the manufacture of gas, the combination of a plurality of retorts, a stand pipe, means for establishing and disestablishing communication between the retort and the standpipe, a trough receiving the lower end of the standpipe, a cap applied to the upper end of the stand pipe, a pipe passing through said



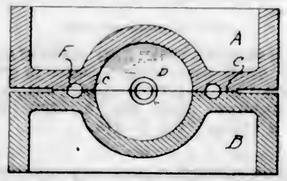
cap, and a spreader carried by the last mentioned pipe and having an end portion disposed below and spaced from the lower discharge end thereof.

1,582,168. FENCEPOST-PRESERVING DEVICE. ALFRED POLK DAVIS, San Augustine, Tex. Filed Feb. 12, 1925. Serial No. 8,733. 1 Claim. (Cl. 99—12.)



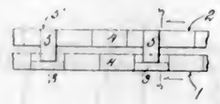
A device of the class described comprising an open top kettle provided with supporting legs for spacing its bottom above the supporting surface, inner and outer pairs of vertical standards disposed on one side of the kettle, a drip pan supported from said standards and inclined toward the kettle for draining fluid into the latter, horizontal supporting beams attachably connected at their inner ends to the inner standards and having their opposite ends resting upon an upper edge of said pan, said beams being adapted to support the wood to be treated.

1,582,169. METAL MOLD. JOSEPH L. DOSTAL, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Aug. 3, 1925. Serial No. 47,725. 1 Claim. (Cl. 22—153.)



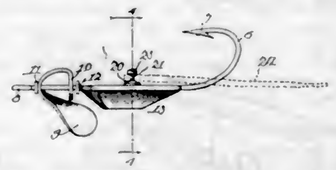
A metal mold, comprising a cavity, a facing rib surrounding said cavity, a groove dividing said facing rib into two relatively narrow strips separated by said groove.

1,582,170. HOLLOW-MASONRY WALL CONSTRUCTION. THOMAS FELLOWS, Los Angeles, Calif. Filed May 13, 1925. Serial No. 29,979. 5 Claims. (Cl. 72—102.)



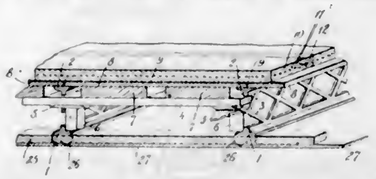
1. A hollow unit construction consisting of spaced walls of brick, and transverse brick headers bonding together the spaced walls, the headers extending wholly through one of said walls and part-way through the other of said walls, and brick units in the space unfilled by said headers, said units co-operating with other units to present an entire stretcher face of brick and wholly concealing the headers.

1,582,171. ARTIFICIAL BAIT. WILLIAM A. FORS, Cleveland, Ohio. Filed June 22, 1923. Serial No. 647,079. 7 Claims. (Cl. 43—42.)



7. In artificial bait, the combination of a fish-hook comprising a shank and a hook proper, a spinner on the front end of the shank, the shank being provided with an offset, a weight provided with an open groove in its upper face and an offset to receive the shank of the hook with its offset, and a stud extending into the weight and provided with a shoulder to clamp the shank in the groove and an extension above the shoulder for connection to a flexible strip.

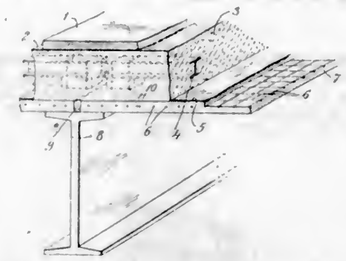
1,582,172. FLOOR CONSTRUCTION. THOMAS J. FOSTER, Ridgewood, N. J. Filed Aug. 14, 1922. Serial No. 581,753. 19 Claims. Cl. 72—66.)



15. The heat and sound proof floor construction comprising spaced flanged beams, heat and sound insulating sheets spanning the spaces between said beams and covering their top flanges, nailing strips bridging said beams and spaces and supported out of contact with the tops of said beams, and a layer of concrete supported on said sheets and embedding said nailing strips.

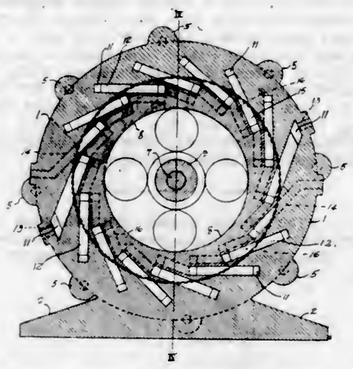
1,582,173. FIREPROOF FLOOR CONSTRUCTION. THOMAS J. FOSTER, Ridgewood, N. J. Filed Sept. 21, 1923. Serial No. 663,948. 6 Claims. (Cl. 72—66.)

1. The fireproof floor construction comprising steel beams spaced at substantially uniform distances apart, strip fireproof plaster board floor supports extending between and supported directly on said beams and adapted to form the ceiling surface, wire mesh reenforcement in said floor supports, transverse metallic stiffening strips, united to the upper surface of the floor supports and woven wire reenforcements extending above



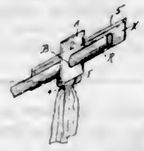
said stiffening strips and united thereto, a concrete floor formed upon said floor supports and having said stiffening rods and upper reenforcement embedded therein and a cushioning floor covering above said concrete floor.

1,582,174. TURBINE. EDWARD B. GALLAHER, Pontiac, Mich., assignor of one-half to John L. Smith, Windsor, Ontario, Canada. Filed July 21, 1924. Serial No. 727,160. 4 Claims. (Cl. 253—54.)



1. A power generator comprising a cylinder having opposed intake ports and opposed exhaust ports, said cylinder having transverse chambers therein communicating with said intake ports, said cylinder having a plurality of tangentially disposed passages communicating with each chamber, and a rotor in said cylinder provided with tangentially disposed pockets adapted to communicate with the passages in said cylinder.

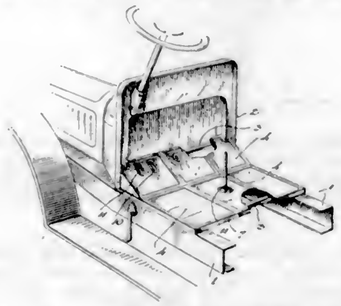
1,582,175. LAUNDRY PIN. AUSTIN GUDMUNDSEN and FRANK E. DOLE, Salt Lake City, Utah. Filed Apr. 21, 1924. Serial No. 707,793. 3 Claims. (Cl. 40—26.)



1. A laundry pin comprising a plate portion with a hole centrally therein and adapted to be placed on a supporting rod; a guide case on one edge of said plate having two spaced apart recesses opening to its interior; a

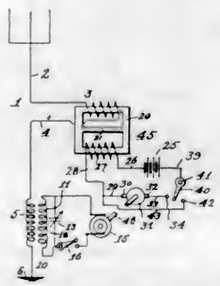
hook having a slotted shank adapted to slide longitudinally in said guide case; a catch formed on one leg of the slotted portion of said shank; a hook point case formed by other portions of said plate and adapted to receive the point of said hook.

1,582,176. AUTOMOBILE FLOOR BOARD. JOHN C. HAGGART, Jr., Alma, Mich., assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 26, 1923. Serial No. 664,877. 1 Claim. (Cl. 296—1.)



A floor structure for a vehicle chassis composed of sections arranged edge to edge, each section comprising a thin rigid metal plate, a relatively thick piece of material on said plate, and a sheet metal frame at the edges of said piece of material and said plate, said frame having inturned upper flanges extending onto the upper face of the piece of material and inturned lower flanges extending onto the lower face of said metal plate with said flanges cooperating in binding the edges of said metal plate and piece of material together.

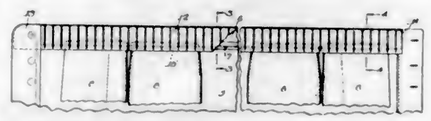
1,582,177. SYSTEM OF RADIO TELEGRAPHY AND TELEPHONY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Sept. 25, 1917. Serial No. 193,139. 28 Claims. (Cl. 250—12.)



1. In a system for the transmission of energy, the combination with means for producing a series of electric oscillations, of means operative during a predetermined portion of each half cycle of each oscillation only to vary the amplitude of each of said oscillations in a uniform manner.

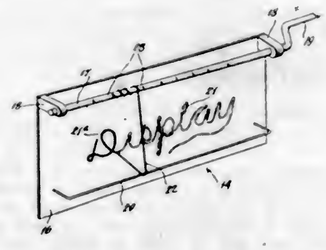
1,582,178. TROUSERS. EDWARD A. KAUMEYER, Chicago, Ill. Filed Nov. 19, 1924. Serial No. 750,772. 2 Claims. (Cl. 2—236.)

1. Trousers, having leg pieces, pockets sewed thereto, a waist band portion, and a combined waist band stiffening element and lining, in the form of a single thickness of material, comprising a relatively stiff, inelastic, ornate, fabric strip, wider than said waist band portion and of unbroken continuity, extending from end to end of the waist band portion and covering the upper ends of said pockets, the upper edge of said fabric strip being sewed



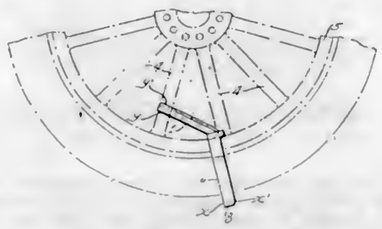
to the upper edge of said trousers and said strip being sewed intermediate its top and bottom edges to the trousers below the upper edges of the pockets and acting to stiffen and prevent stretching of the waist band portion.

1,582,179. PICTURE-PROJECTION PROCESS AND APPARATUS. JOSEPH LEVY, New York, N. Y., assignor to Display Stage Lighting Co. Inc., a Corporation of New York. Filed July 9, 1924. Serial No. 724,929. 16 Claims. (Cl. 88—26.)



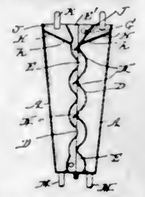
1. In a projection apparatus, a projection slide comprising a plate having a symbol cut therethrough, a thread occupying the cutout portions of said plate, and means for progressively withdrawing said thread.

1,582,180. MUD LUG FOR AUTOMOTIVE VEHICLES. EDWARD J. MCDERMOTT, St. Louis, Mo. Filed Apr. 20, 1925. Serial No. 24,416. 1 Claim. (Cl. 152—14.)



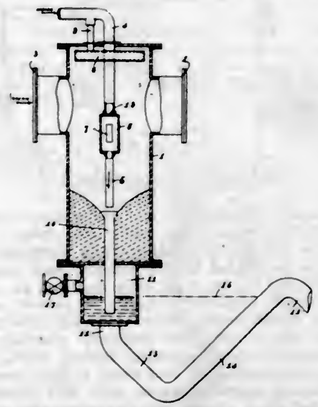
1. A mud lug for automotive vehicles, comprising a body portion having semi-circular grooved ends adapted to fit the opposite sides of two spokes of a wheel when inserted between the spokes, in such a manner that the adjacent and opposite angles formed will be greater and less, respectively, than a right-angle, and having two branches integral with said body, adapted to straddle the felly and tire of an automobile wheel and extend beyond the periphery of said tire a suitable distance to contact with the ground, said branches being disposed relatively to said body portion at an angle greater than a right-angle and less than a straight angle.

1,582,181. COOLER FOR LIQUIDS. JAMES MCKERCHAR MCDONALD, Te Puke, New Zealand. Filed Mar. 31, 1924. Serial No. 703,153. 1 Claim. (Cl. 257—178.)



A cooler for liquids, comprising two hollow casings positioned side by side and having longitudinally-corrugated inner walls which are spaced slightly apart so as to conjointly form a narrow serpentine passage between them, the end and bottom walls of said casings being provided with abutting marginal flanges; clamps engaging said abutting flanges to secure the two casings together; a trough extending along the upper end of each casing and inclined laterally and downwardly toward the respective corrugated wall thereof, each trough having perforations adjacent its inner longitudinal edge; a supply pipe for delivering liquid to be cooled to each trough to flow across the same and discharge through the perforations therein onto the inner surface of the adjacent corrugated wall; and means for conveying a cooling medium to the serpentine passage to travel therethrough.

1,582,182. VACUUM MAKING AND CONDENSING APPARATUS. ALBERT MANYERS, Cricklewood, London, England. Filed Feb. 11, 1920, Serial No. 357,883. Renewed Mar. 20, 1926. 3 Claims. (Cl. 261—118.)

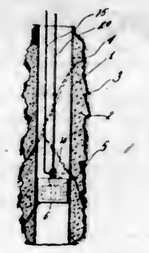


1. As a new article of manufacture, a condenser formed of a chamber 1 having a rose over practically its entire area at top, whereby the main volume of steam is condensed and a small ejector in the center of the jet type whereby the air and residual vapor is extracted.

1,582,183. PUTTING GREEN. HENRY E. MAUSER, Long Beach, Calif. Filed Oct. 28, 1924. Serial No. 746,340. 10 Claims. (Cl. 273—35.)

1. A putting green comprising an elongate floor having ball-receiving means near one end, and means to hold the floor portion adjacent to the ball-receiving means at different angles to the horizon transversely of the floor.

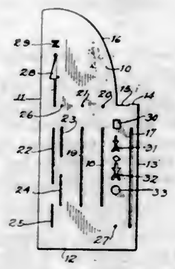
1,582,184. METHOD AND MEANS FOR PERFORATING WELL CASINGS. SIDNEY W. MIMS, Los Angeles, Calif. Filed Mar. 3, 1924. Serial No. 696,454. 6 Claims. (Cl. 81—188.)



2. A method of perforating a well casing in place in a well hole, which comprises lowering an explosive charge down the well casing, exploding the charge, and directing the force of the charge in the direction of the well casing and thereby perforating the same.

3. A device for perforating a well casing in place within a well hole, which device comprises a body, an explosive charge within the body, said body having means for directing the force of the explosive against a well casing, and being of sufficient strength to resist the destructive force of said charge, and means for detonating the charge when lowered down in a well hole.

1,582,185. DRAWING GUIDE. HARTMANN J. MOECKEL, St. Louis, Mo. Filed Sept. 29, 1925. Serial No. 59,402. 3 Claims. (Cl. 33—174.)

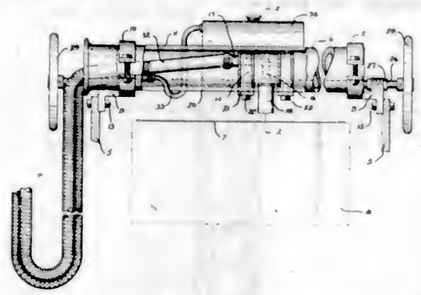


1. A drawing guide comprising a plate having a plurality of spaced apart parallel slots therein, said plate being of substantially rectangular form at one end and having a curved edge at its other end, there also being a plurality of symbolic perforations in the plate in definite relation to said slots and to an edge portion of the plate for locating the symbols with respect to blocks formed by said slots.

1,582,186. FOURDRINIER WIRE AND FELT CLEANER. GEORGE MORNS, Joliet, Ill. Filed Aug. 13, 1924. Serial No. 731,842. 8 Claims. (Cl. 92—50.)

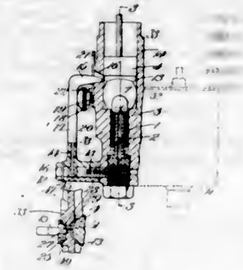
1. A cleaning device for paper machine Fourdrinier screens, comprising a frame portion attachable to a paper machine over the Fourdrinier wire, an elongated

tubular housing carried by the frame portion, a carriage adjacent said housing, a discharge nozzle connected thereto, a fluid conducting tubing connected to the nozzle,



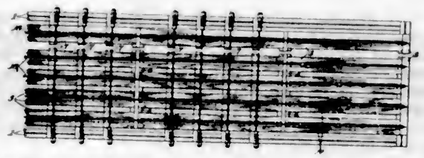
and means for manually moving the carriage along said housing and transversely with respect to the Fourdrinier wire.

1,582,187. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. MAX CYRIL MORRIS, Westminster, London, England. Filed Oct. 14, 1925. Serial No. 62,415. 11 Claims. (Cl. 261—41.)



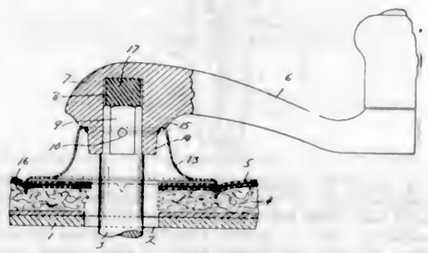
1. In a carburetor, the combination of an air inlet, a main fuel supply, a mixture outlet, a throttle plunger provided with an inclined face, and an auxiliary fuel nozzle, said auxiliary fuel nozzle being covered by the throttle plunger when the throttle is in closed position, but adapted to be uncovered by the inclined face of the throttle when the throttle has been opened a predetermined amount.

1,582,188. LANDING AND LAUNCHING APPARATUS FOR VEHICLES. HARVEY C. MUMMERT, New York, N. Y., assignor to Mary A. Kenney, Brooklyn, N. Y. Filed July 26, 1924. Serial No. 728,304. 8 Claims. (Cl. 244—2.)



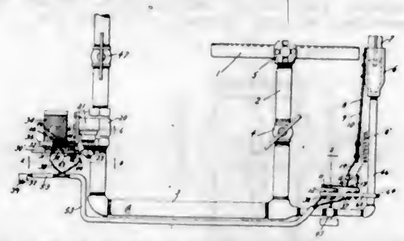
3. In an apparatus for landing or launching vehicles, a runway, transverse stop members, pivoted arms normally supporting said stop members in position above said runway, springs connected to said arms and urging said stop members toward elevated position, and a common adjustable device for simultaneously adjusting the tension of a plurality of said springs.

1,582,189. HANDLE ASSEMBLY. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed May 19, 1924. Serial No. 714,450. 12 Claims. (Cl. 292—356.)



1. The combination with a support and a handle shaft upon said support and normally held from longitudinal movement relative thereto, of a handle upon said shaft, means for securing said handle to said shaft and an escutcheon yieldingly held in position to retain said means from accidental disengagement.

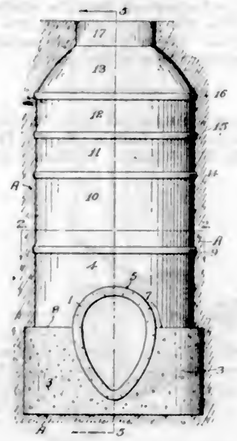
1,582,190. SAFETY PILOT AND CUT-OFF DEVICE FOR GAS BURNERS. HARRY V. PAYNE, Los Angeles, Calif., assignor to Payne Furnace and Supply Company, Los Angeles, Calif., a Corporation of California. Filed July 8, 1924. Serial No. 724,771. 3 Claims. (Cl. 67—116.)



1. A safety cut-off device for gas burners comprising in combination with a gas burner and means for supplying gas to said burner, thermally controlled means adapted to be heated by the flame at said burner and to be operated by the heat thus received, an electrical control circuit including a source of current and also including circuit-closing means normally interposing a break in said circuit, said thermally controlled means being adapted, upon movement thereof during cooling due to extinguishment of said flame, to first operate said circuit-closing means so as to close said break in the circuit and then release said circuit-closing means so as to reopen said break in the circuit, and said circuit-closing means being adapted to be operated by said thermally controlled means so as to close said break in the circuit only during movement of said thermally controlled means upon cooling thereof, electro-magnetic means also included in said control circuit, and valve means in said gas supply means and adapted to be operated under control of said electro-magnetic means so as to cut off the supply of gas to the burner when said break in the circuit is closed.

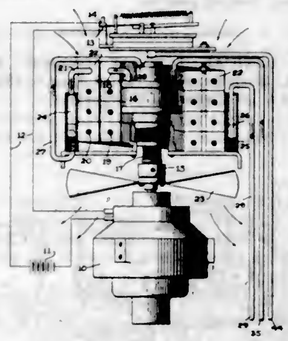
1,582,191. MANHOLE, SEWER-WELL, AND CATCH-BASIN STRUCTURE. ELEAZER S. SNOOKE, Bridgeport, Conn. Filed Sept. 4, 1925. Serial No. 54,434. 1 Claim. (Cl. 182—2.)

A man hole structure for sewers, composed of spaced sewer conduits, a foundation in the sewer trench enclosing the inner ends of the conduits and having its upper portion formed with depressions to receive said conduits, which depressions are of such depth to cause the upper portion of the foundation to be disposed substantially midway of the heights of the conduits, said upper portion of the foundation having trough-like portions



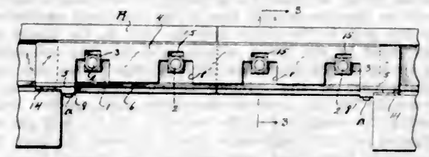
which form continuations of the conduits, and a man hole casing seated at its lower end on the foundation and being formed with portions receiving the parts of the conduits which project above the said upper portion of the foundation.

1,582,192. COOLING APPARATUS. JOHN D. STROBELL, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Jan. 25, 1922. Serial No. 531,578. 4 Claims. (Cl. 62—115.)



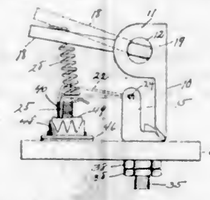
1. In apparatus of the nature of that herein described, in combination, a compressor, a condenser adapted to receive compressed fluid and lubricant from said compressor a receiver of substantially annular shape having a connection to receive condensed fluid and lubricant from said condenser and adapted to permit the condensed fluid and lubricant to separate by gravity into two layers, an expansion device, a connection for discharging lubricant from said receiver and for conducting it to said compressor, and a connection for discharging condensed fluid from said receiver and for conducting it to said expansion device, the said connection of the condenser to the receiver and the said connection of the expansion device to the receiver being made at substantially diametrically opposite points in said annular receiver.

1,582,193. NUT LOCK. WALTER THOMPSON, Airdrie, Alberta, Canada. Filed Aug. 29, 1925. Serial No. 53,322. 2 Claims. (Cl. 238—262.)



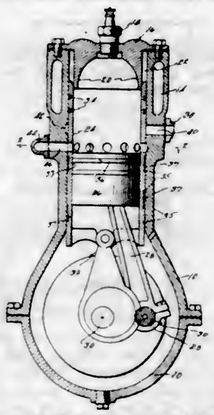
2. A nut lock for rail joints comprising an elongated plate provided with open slots to receive the nuts when the plate is in applied position, arms carried by the plate and extending below the rails when the plate is in applied position, and a U-shaped member engageable with the outer end portion of each of said arms and the adjacent portion of a rail.

1,582,194. DETECTOR. BENJAMIN TRIVUS, Providence, R. I. Filed Aug. 12, 1925. Serial No. 49,832. 2 Claims. (Cl. 250—31.)



1. In a device of the character set forth, a base of insulating material, a crystalline mass on the base, a metallic standard on the base, a supporting arm of insulating material pivotally attached to the standard and provided with a hole, a metal arm pivotally carried at one end by the standard provided wtih a hole, a pointer upon the other end of the arm disposed at an angle to the second arm adapted to engage the mass, and a helical spring having its ends engaging the two arms through the two holes.

1,582,195. INTERNAL-COMBUSTION ENGINE. WILFRED F. VALLIER, Pontiac, Mich. Filed Sept. 15, 1924. Serial No. 737,697. 6 Claims. (Cl. 123—65.)



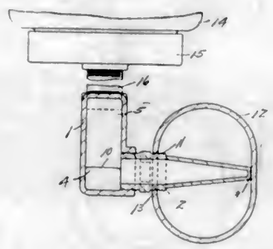
3. In a two cycle internal combustion engine, a cylinder, a working sleeve in the cylinder, a working piston in the sleeve, said cylinder provided at a point inter

mediate the path of travel of the piston with exhaust and intake ports, said sleeve provided with a port adapted to be brought into registration with said exhaust and intake ports, said sleeve and piston co-ordinated in movement so that the exhaust port in the cylinder is uncovered by the port in the sleeve and the port in the sleeve is uncovered by the piston at approximately the mid-point of travel of the piston on the explosion stroke and the intake port of the cylinder is uncovered immediately thereafter by the port in the sleeve and remains open during the completion of the explosion stroke, said piston adapted on the compression stroke to close the port in the sleeve before said port uncovers the exhaust opening into the cylinder.

1,582,196. FISHING-POLE ATTACHMENT. GLEN W. VAN BLARCOM, Lansing, Mich. Filed Mar. 12, 1923. Serial No. 624,519. Renewed Nov. 25, 1925. 2 Claims. (Cl. 43—33.)

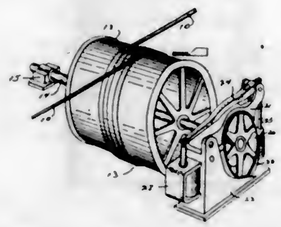
2. In combination with a fishing pole and fishing line, a plate upon which said line is adapted to be wound, means for attaching said plate to said pole, a clip carried by said plate for engagement with said line, a shank carried by said plate, and a member upon the outer end of said shank for receiving a hook carried by said line.

1,582,197. HUMIDIFIER. PHILIP VIVIANO, St. Louis, Mo. Filed May 22, 1924. Serial No. 715,244. 2 Claims. (Cl. 123—25.)



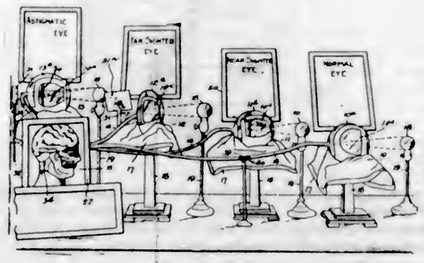
1. In combination with the exhaust manifold and carburetor of an explosive engine, a device of the kind described, comprising a hollow casing embodying a wedge shaped boiler portion adapted for seating horizontally into the manifold, with the plane medially separating the wedge faces of the said boiler portion disposed horizontally, a water chamber leading into the boiler, a steam chamber over the water chamber and communicating therewith, and an upwardly turned connecting elbow back of and separated from the steam chamber; a tube leading from the steam chamber into the air port of the carburetor; and a water jar mounted over and upon the connecting elbow of the casing.

1,582,198. CABLE BRAKING AND BRACING DEVICE. NEWMAN WALDRIDGE, Buffalo, N. Y. Filed Mar. 28, 1924. Serial No. 702,683. 1 Claim. (Cl. 188—65.)



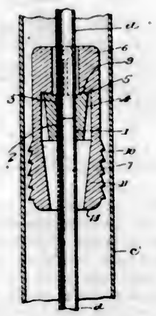
The combination with a movable unloading or conveying apparatus mounted upon tracks, of a cable braking and bracing device comprising a cable arranged some distance above the tracks of the apparatus and having one of its ends suitably secured at each end of the travel of such apparatus, a drum carried by the apparatus and engageable with the cable, and braking means controlling the revolution of the drum, whereby the drum may be locked in any desired position.

1,582,199. OPTICAL DISPLAY DEVICE. FRANK P. WALTERS, Brooklyn, N. Y. Filed June 8, 1925. Serial No. 35,512. 8 Claims. (Cl. 35—16.)



1. An optical display device comprising the representation of a human eye, means for illuminating the same the representation of a human brain, a connection between the eye and the brain, and means for indicating on the brain representation the effect of illumination of the eye.

1,582,200. TUBING CATCHER. GEORGE D. WATSON, Torrance, Calif. Filed Aug. 29, 1925. Serial No. 58,321. 6 Claims. (Cl. 103—219.)



1. Improvements in tubing catchers adapted to be associated with well tubing, including jaw actuating means for coupling together lengths of said well tubing, and a pair of hingedly connected jaws directly supported by said jaw actuating means.

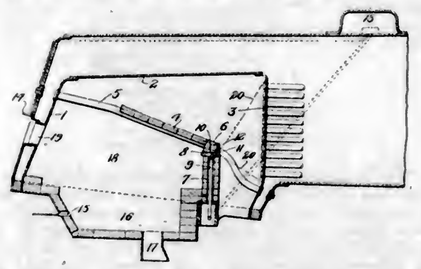
1,582,201. TAMPON. NEIL MCL. WHITTAKER, Hackensack, N. J. Filed Sept. 6, 1924. Serial No. 736,235. 5 Claims. (Cl. 128—270.)

1. A tampon consisting of a plurality of closely compressed layers of fibrous material closely compressed together into the form of a normally rigid thimble, an inner gelatine capsule fitted into the hollow of said thimble and containing a medicament, an outer gelatine capsule enclosing said thimble and inner capsule, and a cord projecting from one end of said thimble and outer capsule.

1,582,202. METHOD OF FOLDING PARACHUTES. SAMUEL WILEY, Metuchen, N. J. Filed June 30, 1924. Serial No. 723,369. 3 Claims. (Cl. 244—21.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

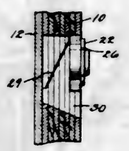
1. The method of folding a parachute including suspension cords consisting of depressing the apical portion, folding the apical portion upon itself, drawing the circumferential portion about the apical portion, and tucking the suspension cords under a fold of the circumferential portion.

1,582,203. FLUE-SANDING APPARATUS FOR LOCOMOTIVE FIRE BOXES. ALFRED H. WILLETT, West New York, N. J., assignor to American Arch Company, a Corporation of Delaware. Filed Sept. 2, 1919. Serial No. 321,272. 2 Claims. (Cl. 122—395.)



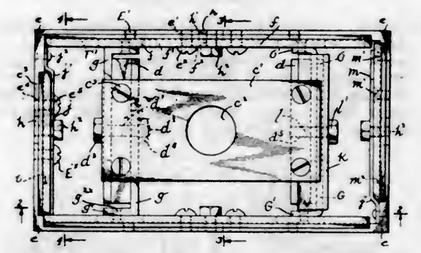
1. The combination with a locomotive fire box and a refractory structure obstructing the same behind the flue sheet and flues, of sanding means for them protected in said refractory structure and discharging forward therefrom.

1,582,204. DIE. HERBERT J. WOODALL, Grosse Pointe Shores, and WALTER B. RICHARDS, Detroit, Mich. Filed Oct. 31, 1924. Serial No. 746,944. 16 Claims. (Cl. 164—29.)



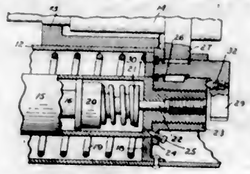
1. In combination, a press plate, a die board seated thereon, a hollow die mounted in the board seated upon the plate, said die board provided with a discharge for cuttings of the die, which discharge leads from the rear of the die opening through the board.

1,582,205. PAPER-BOX-MAKING MACHINERY. DANIEL WRIGLEY, Brooklyn, N. Y. Filed July 24, 1924. Serial No. 727,850. 5 Claims. (Cl. 93—59.)



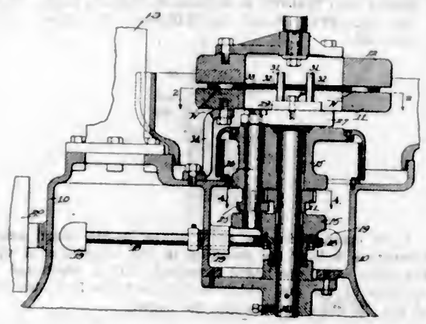
1. In combination a supporting plate, an interior frame comprising a pair of spaced transverse members secured to the plate, a pair of side members and pairs of relatively movable members secured respectively at their ends to the side members and secured in sliding relation to the spaced transverse members respectively, corner pieces, means to adjust the relative positions of the corner pieces with respect to the side frame members, transverse means to retain said corner pieces in predetermined positions, filling-in pieces, and means to secure said filling-in pieces to the side members.

1,582,206. COUPLING. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 11, 1924. Serial No. 737,177. 1 Claim. (Cl. 89—43.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



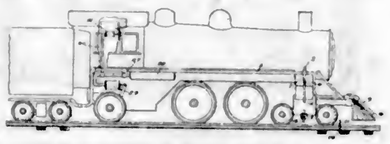
The combination with a reciprocating member of a retaining ring on one end thereof, said ring formed with a transverse slot and an intersecting passage, a bolt in said passage having a narrow portion disposed in the transverse slot, means for holding the bolt in locked or unlocked position, and a lug having a key hole slot centrally in its underface for receiving the narrow portion of the bolt.

1,582,207. LAPPING MACHINE. JOSEPH N. BETHEL, Worcester, Mass., assignor to Bethel-Player Co., Westboro, Mass., a Copartnership consisting of Joseph N. Bethel and Sidney Player. Filed July 2, 1923. Serial No. 648,919. 11 Claims. (Cl. 51—101.)



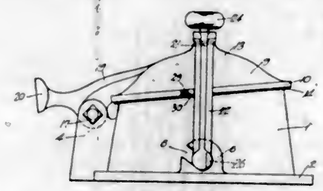
1. A lapping machine having, in combination, upper and lower laps, a work holding plate positioned between said laps, and means to give said work holding plate a combined rotary and irregular transverse movement.

1,582,208. AUTOMATIC TRAIN-STOPPING DEVICE. GEORGE W. EDWARDS, Toledo, Ohio, assignor of one-tenth to James P. Gilligan, one-tenth to Christena Gilligan, one-tenth to Charles C. Monahan, one-tenth to Herman F. Widman, and one-tenth to Frank C. Garbe, all of Toledo, Ohio. Filed June 27, 1921. Serial No. 480,590. 5 Claims. (Cl. 246—188.)



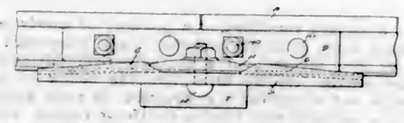
3. In a detent operated valve for train control systems; a valve casing connected in the air line of said system, a hollow valve plug in said casing adapted when in a certain position to vent the system by passage of the air through said plug, the said plug being extended beyond the casing to provide a frangible handle and hollow throughout its length, and the said plug having an opening therein at all times in communication with said system.

1,582,209. CLOSURE FOR THIEF HOLES FOR TANKS AND OTHER RECEPTACLES. CONRAD EHRET, Oklahoma City, Okla. Filed Aug. 25, 1924. Serial No. 734,113. 3 Claims. (Cl. 220—57.)



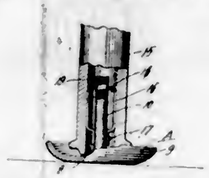
3. A tank closure, as described, comprising a member surrounding a tank opening, means for securing same to the tank, a raised frusto-conical smooth rimmed pipe thereover, two outwardly extending perforated shoulders, two opposite external lugs near its bottom, a C-shaped partial perforation in each; a crown cap adapted to conjugately fit said smooth rim, having a depression in its external upper center, three outwardly extending perforated arms therefrom, one having a foot-hold thereon, a bolt and nut adapted to fit said perforations and hinge together said cap and pipe members, a small lug outwardly extending from the periphery of said cap member at right angles to said arms; a bail member with a threaded perforation in its upper center and inwardly extending D-shaped lug on end of same adapted to be inserted and withdrawn from said C-shaped partial perforations of said pipe member at a certain angle and to be securely held therein at all other angles; a threaded thumb-screw adapted to removably fit said central perforation in said bail, and into said depression in said cap member.

1,582,210. RAIL JOINT. PETER PHILLIP FARRELLY, deceased, late of Portland, Oreg., by Anna A. Farrelly, administratrix, Portland, Oreg. Filed Nov. 30, 1925. Serial No. 72,373. 3 Claims. (Cl. 238—210.)



2. A rail joint of the class described including a bridge plate having its intermediate portion thicker than its ends so as to provide an intermediate flat plane surface and downwardly inclined end surfaces merging therefrom, and bars adapted to be attached to the bridge plate to extend longitudinally thereof.

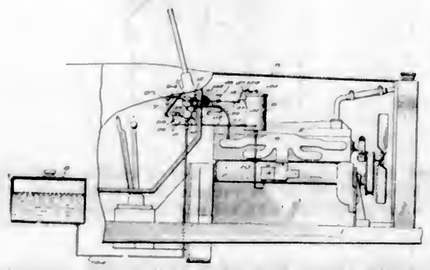
1,582,211. CASTER. LOTTIE FLEMING, Clarion, Pa. Filed June 19, 1924. Serial No. 721,088. 1 Claim. (Cl. 16—42.)



A caster comprising a shank adapted to be received loosely within the bore of the leg of an article of furniture and having a transverse opening adjacent its upper end, a caster element carried by the lower end of the shank, and a plurality of substantially

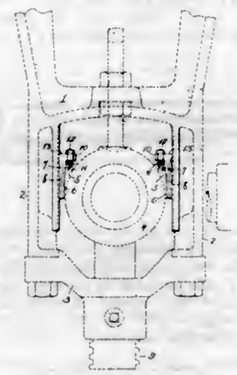
U-shaped springs each having one end fixed to the shank and their opposite ends projecting into the opening, such springs being adapted to contact with the walls of the leg bores substantially their entire lengths.

1,582,212. FUEL-FEEDING SYSTEM. FREDERICK G. FOLBERTH and WILLIAM M. FOLBERTH, Cleveland, Ohio. Filed May 1, 1922. Serial No. 557,614. 1 Claim. (Cl. 158—36.4.)



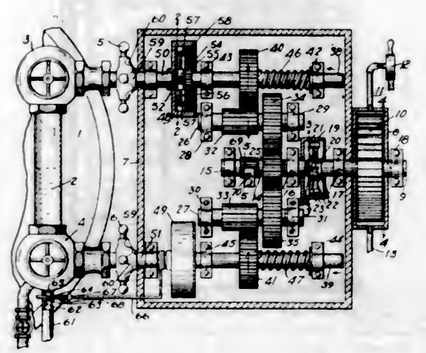
A fuel feeding system for motor vehicles, comprising a main tank, an auxiliary tank, a suction motor connected to the intake manifold of the engine to be operated thereby, means actuated by said motor to deliver fuel to the auxiliary tank, a reciprocating cut off valve arranged in said motor, said valve being provided with a valve stem, a float in said auxiliary tank, connections between said valve and said float to open and close said valve as the float lowers and rises, and springs engaging said valve stem to positively move said valve to open and closed position.

1,582,213. SHAFT MOUNTING. JOHN P. GOLDEN, Columbus, Ga., assignor to Goldens' Foundry & Machine Co., Columbus, Ga. Filed Mar. 19, 1924. Serial No. 700,297. 5 Claims. (Cl. 308—66.)



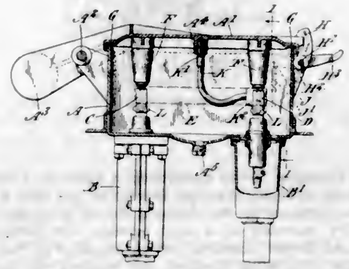
1. In a shaft mounting, the combination with a stationary frame having diametrically opposite transversely curved vertical faces, and a bearing box within said frame and provided with diametrically opposite integral external taper faces, of wedges disposed between the taper faces of the bearing box and the transversely curved faces of the frame, each wedge being free and independent of the other wedge.

1,582,214. AUTOMATIC GLOBE-VALVE-CLOSING DEVICE. GORDON DUNCAN GRAY, Stoughton, Saskatchewan, Canada. Filed Sept. 8, 1925. Serial No. 55,106. 5 Claims. (Cl. 137—139.)



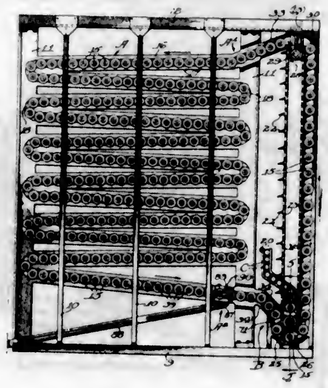
1. The combination with a pair of the valve handles, of a pair of valve handle operating shafts, means carried thereby for engaging each valve handle, a pair of longitudinally movable shafts, a driving connection between the longitudinally movable shafts and the valve operating shafts permitting the free manually operated reverse movement of the valve operating shafts, spring means for forcing the longitudinal shafts inward to follow up the inward movement of the valve handles as they are rotated, a main driving shaft, means for rotating such driving shaft and a gear connection between the main driving and the longitudinally movable shafts.

1,582,215. ELECTRIC SWITCH FUSE. RICHARD WALTER GREGORY, Hexham-on-Tyne, England, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Filed Mar. 6, 1923. Serial No. 623,267. 2 Claims. (Cl. 200—133.)



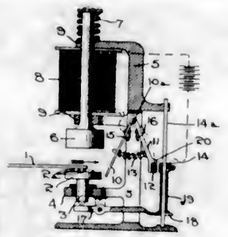
1. In a switch-fuse the combination of a box, a lid to said box, a fuse removably carried on the inside of said lid, contacts in the box so disposed that the fuse normally makes connection with them when the lid is closed, and an earthing connection adapted to be so disposed on the inside of the lid when it is open that when the lid is closed a selected contact in the box is earthed.

1,582,216. CAN-TESTING MACHINE. GUSTAV W. HEDSTROM, Chicago, Ill., assignor of one-half to Peter W. Fulford, Chicago, Ill.; Olga N. D. Hedstrom, administratrix of said Gustav W. Hedstrom, deceased. Filed Mar. 28, 1925. Serial No. 18,947. 29 Claims. (Cl. 73—51.)



1. A machine for testing can bodies comprising a to-and-fro track-way for can body carriers, with adjacent stretches disposed at an angle relatively to each other in the direction of travel of the carriers thereupon, said stretches being united at their ends to constitute a continuous track-way.

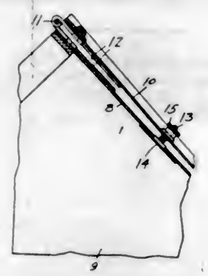
1,582,217. MEANS FOR ELECTRICALLY OPERATING STAMPING, EMBOSSING, AND THE LIKE MACHINES. THOMAS HENRY, Auckland, New Zealand. Filed Nov. 5, 1925. Serial No. 67,092. 10 Claims. (Cl. 101—3.)



1. A stamping device comprising, a solenoid, a movable core in the solenoid, a striker carried by the core, a table, movable contacts in the solenoid circuit arranged to be closed by insertion of a card between the striker and table, and circuit breaking means, actuated by the table upon the card being stamped, for opening the solenoid circuit.

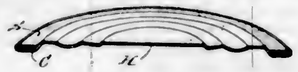
1,582,218. SAFETY CLOSURE FOR RECEPTACLES. HARRY T. HIPWELL and HARRY H. HIPWELL, Pittsburgh, Pa. Filed Dec. 5, 1925. Serial No. 73,414. 7 Claims. (Cl. 220—8).)

1. The combination with a receptacle provided with a cover member forming a portion of one side thereof, of a closure therefor comprising a lid hinged to the inner edge of said cover member, a tension device for moving



said lid to closed position, and a fusible device for holding said lid in its extreme open position, in substantial parallelism with the said cover member.

1,582,219. SEAL FOR CANS AND OTHER CONTAINERS. ERNEST HOPKINSON, New York, N. Y., and BRADLEY DEWEY, Cambridge, Mass., assignors of one-half to Dewey and Almy Chemical Company, Cambridge, Mass., a Corporation of Massachusetts, and one-half to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 28, 1922. Serial No. 557,173. 6 Claims. (Cl. 220—81.)



1. A container closure provided with a sealing material deposited thereon comprising as its basis rubber characterized by substantial conservation after drying of the integrity of rubber particles dispersed in water-emulsion.

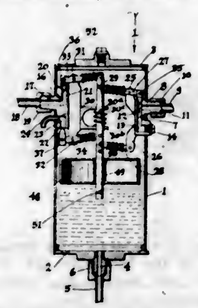
1,582,220. HAIR-WAVING DEVICE. HARRY JACOBS, New York, N. Y. Filed June 30, 1923. Serial No. 648,822. 4 Claims. (Cl. 132—36.)

1. A permanent waving device comprising a tube composed of telescoping sections, the inner section having a chamber at the end lying adjacent the head, said inner tube having a side opening to receive therein a curler having a lock of hair wound thereon, and said outer tube section being adapted to slide over said side opening of said inner tube section.

1,582,221. VACUUM TANK. THOMAS J. MCCARTHY, Los Angeles, Calif. Filed Aug. 11, 1924. Serial No. 731,445. 3 Claims. (Cl. 103—236.)

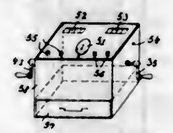
1. A vacuum tank having inlet valve mechanism, suction valve mechanism and feed valve mechanism, each of the valves being mounted upon expansion levers in parallel planes, a stem to which the levers are connected, and

a float having unrestricted lost motion connection with the stem, the expansion levers each comprising two ends, telescopic means for connecting the ends, and an expan-



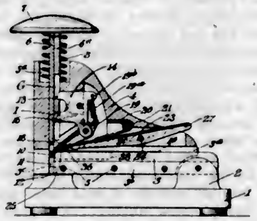
sion spring tending to force the ends apart, so that when the float operates the stem to move the levers either way past the dead center the valves will snap closed or open.

1,582,222. DEVICE FOR MEASURING VALUES OF RESISTANCE OF CABLES AND CONDUCTORS. VICTOR PLANER, Berlin-Lankwitz, Germany. Filed Nov. 27, 1922. Serial No. 603,705. 5 Claims. (Cl. 175—183.)



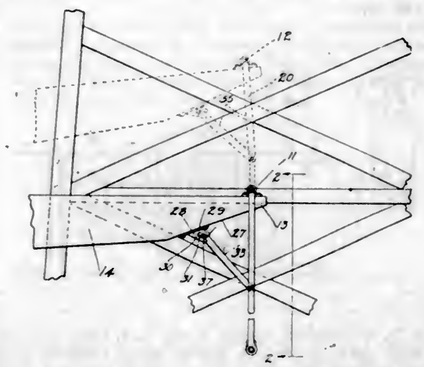
2. A device for measuring values of cables and conductors, said device operating on the Wheatstone bridge principle and comprising a resistance, a movable contact slidable on said resistance continuously thereon and connected with one end of the bridge, several series of movable numerals, said series being side by side and a single means for sliding said contact along said resistance and for simultaneously presenting a member on a numeral indicator, whereby the desired value is directly indicated.

1,582,223. STAPLING MACHINE. FRIDOLIN POLZER, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Sept. 11, 1920. Serial No. 409,616. 8 Claims. (Cl. 1—23.)



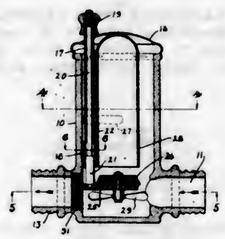
7. In a stapling machine, a main casting, a cutter bar adapted to carry a strip of staples, means for advancing such a strip therethrough, a bipartite plunger moving substantially at right angles to said cutter bar, one element of said plunger being adapted to cooperate with said cutter bar to sever and to drive staples carried thereby and the other element of said plunger being adapted to operate said means for advancing the strip of staples.

1,582,224. SUCKER-ROD HANGER. GEORGE H. PROUT, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 692,484. 6 Claims. (Cl. 74—5.)



1. In a sucker rod hanger arranged to maintain substantial alignment of the polish rod, the combination of: a shaft hanging means extending vertically downwardly from the end of a walking beam pivotally connected at the lower end to said shaft; and a rigid diagonal strut pivotally connected to said shaft and extending therefrom to an interior point on said walking beam; and means permitting a limited movement of said strut.

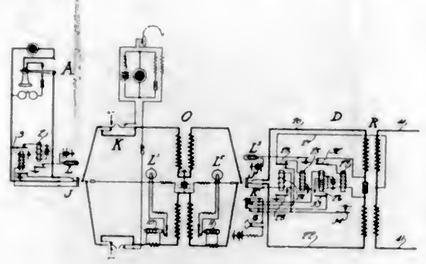
1,582,225. DEVICE FOR IMPREGNATING FLOWING WATER. WILLIAM ROSS PULKINGHORN, Los Angeles, Calif. Filed July 13, 1925. Serial No. 43,414. 5 Claims. (Cl. 299—84.)



1. A device of the class described comprising a casing having an open upper end and provided in its lower portion with water inlet and outlet openings, a closure for the upper end of said casing, a container having an open lower end removably supported by said casing closure, and a valve secured to said casing closure for closing the open end of said container and operating means therefor.

3. A device of the class described comprising a vertically disposed cylindrical casing provided at the bottom thereof with fluid inlet and outlet openings, a container having a discharge port for confining a water impregnating material, means for supporting said container within said casing above the fluid inlet and outlet openings, a valve for controlling the port of said container, an impeller wheel mounted on said valve and adapted to be actuated by the fluid passing through said casing, and means to operate the valve to open or close the port in said container.

1,582,226. AUTOMATIC TELEPHONE SYSTEM. ARTHUR J. RAY, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 15, 1920, Serial No. 417,146. Renewed Oct. 1, 1925. 26 Claims. (Cl. 179—27.)

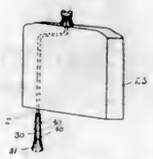


6. In a telephone system, a two way trunk line and a lamp signal at one end thereof, means including automatic switches for setting up connections over said trunk line in both directions, and means whereby said lamp is operated as a call signal when connections are extended in one direction and as a release signal when connections are extended in the other direction.

1,582,227. PREPARING CASTOR MACHINE OILS. LELAND L. REBBER, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed May 9, 1922. Serial No. 559,613. 12 Claims. (Cl. 87—9.)

1. The process of preparing a mineral castor machine oil which comprises saponifying naphthenic acids, to produce a compound insoluble in water, then dissolving the naphthenic soaps in a mineral oil.

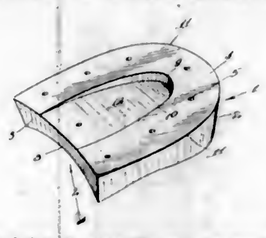
1,582,228. ATTACHMENT FOR OVERFLOW PIPES. MICHAEL F. ROBISCHON, Utica, N. Y., assignor of one-half to Edward E. Robischon, Utica, N. Y. Filed Apr. 2, 1925. Serial No. 20,264. 4 Claims. (Cl. 137—111.)



4. In an attachment for overflow pipes, a removable flexible member adapted to be attached to said pipe, an enlarged tapering part made on said member, a diaphragm formed in said enlarged part, a slit made in said diaphragm, whereby to permit a discharge of the overflow, and ribs formed on the exterior of said flexible member to aid in mounting the same upon an overflow pipe.

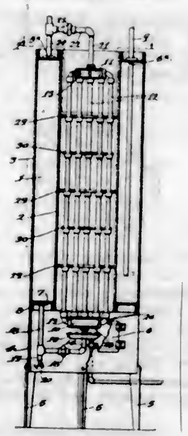
1,582,229. RUBBER HEEL. DAVID D. SMITH, Hollywood, Calif. Filed Aug. 28, 1924. Serial No. 734,643. 2 Claims. (Cl. 36—35.)

1. A rubber heel comprising a heel-shaped body, the upper surface of which is dished providing a rim along the sides and along the back of the heel, the bottom surface of the body being flat and being adapted to rest flatly against a walking surface, there being a recess formed in the bottom surface which is equi-distant from the sides and rear of of the body, the top surface



of the recess being downwardly and forwardly inclined toward the front of the heel with the forward end of the top surface of the recess being substantially flush with the bottom surface of the heel.

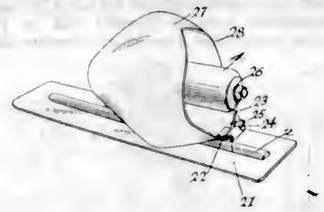
1,582,230. GAS WATER HEATER. GEORGE O. THOMPSON, Glendale, Calif. Filed May 31, 1923. Serial No. 642,712. 1 Claim. (Cl. 122—16.)



A water heater comprising an outer shell, an inner shell disposed within the outer shell, means providing end closures between the shells, headers disposed adjacent the top and bottom of the inner shell, a plurality of straight, parallel tubes disposed within said inner shell connecting said headers, a conduit having a union therein connecting the upper header to the space between the shells adjacent the top thereof, a conduit having a union therein connecting the lower header to the space between the shells adjacent the bottom thereof, said unions providing for removal of the headers and pipes, means for supplying and withdrawing water from the space between the shells, a heating element disposed beneath the lower header, there being shoulders provided upon said pipes, and baffle plates resting upon said shoulders, alternate baffle plates having their peripheral edges in spaced relation to the interior surface of said inner shell, and the intermediate baffle plates having their peripheral edges engaging the inner shell and having apertures therethrough.

1,582,231. PLASTERER'S HAND GUARD. JOSEPH I. VINZANT, Inglewood, Calif., assignor of one-half to Raymond Muse, Inglewood, Calif. Filed Aug. 24, 1925. Serial No. 52,090. 8 Claims. (Cl. 2—17.)

1. A plasterer's hand guard comprising in combination a trowel having a stem and a handle, the hand guard formed of flexible material having an aperture through the base adapted to fit over the stem and means

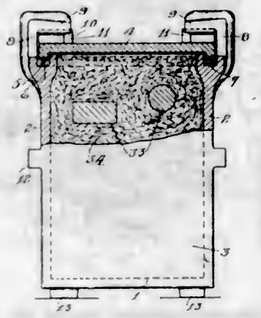


to secure the rear end of the hand guard to the rear end of the handle, the guard extending partly over the said handle.

1,582,232. INDUSTRIAL SHOE GUARD. JOSEPH I. VINZANT, Inglewood, Calif., assignor of one-fourth to Raymond Muse, Inglewood, Calif., and one-fourth to Bert Malin, Inglewood, Calif. Filed Oct. 16, 1925. Serial No. 62,772. 2 Claims. (Cl. 36—72.)

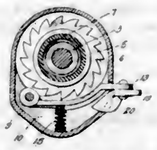
1. A shoe guard comprising a cover of rubber shaped to fit over the toe, instep and part of the sides of a shoe, a wire secured to the lower edge of the cover shaped to engage the shoe between the sole and the vamp, and hooks attached to the wire adapted to pass over the edge of the sole.

1,582,233. CARBURIZING BOX. EUGENE DIX AIKEN, Rochester, N. Y., assignor to The Carbox Corporation, Rochester, N. Y. Filed Jan. 14, 1924. Serial No. 686,018. 12 Claims. (Cl. 263—49.)



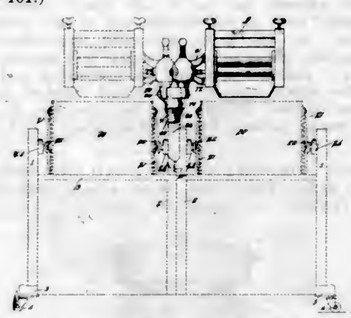
10. In a device of the character described, a cylindrical box formed with a tubular core, the outer and inner walls of the box having annular channels therein at the open side of the box, a packing medium in said channels, a cover formed with outer and inner flanges adapted to rest upon said packing and be received in said channels, upstanding lugs on a wall of the box, lateral projections on said lugs, and wedges engaging between the cover and said projections for drawing the box and cover together and holding the cover in place.

1,582,234. WRINGER-POSITION-CONTROLLING MEANS. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Apr. 30, 1923. Serial No. 635,509. 3 Claims. (Cl. 68—32.)



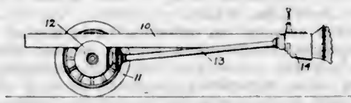
1. In a power operated swinging wringer, means to automatically lock the wringer frame against movement in one direction while permitting a free swinging movement in the other direction; said locking means being arranged to be released by a free manual manipulation in any position of the frame without the use of tools, to permit swinging movement in either direction, and means pivoted on said locking means for locking said frame, when adjusted, against movement in either direction.

1,582,235. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Original application filed May 4, 1922, Serial No. 558,410. Divided and this application filed Dec. 24, 1923. Serial No. 682,443. 2 Claims. (Cl. 74—101.)



1. In a wringer mechanism, a tubular standard, a casting having a bearing portion axial to said standard and removably attached thereto to be swung thereabout and having an offset bearing portion, a wringer mechanism on said casting, an operating shaft in said standard, a short driven shaft journaled in said off-set bearing portion of the casting, a counter-shaft journaled in said axial portion of said casting, gearing connecting said counter and driven shafts, clutch means to connect said operating and counter shafts, and reversing gearing connecting said driven shaft and said wringer.

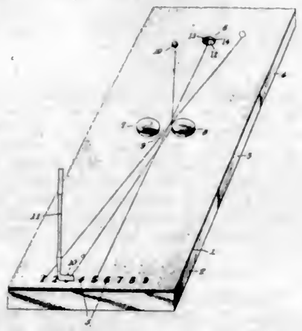
1,582,236. MOTOR-VEHICLE LOCK. OLAF A. ANDERSON, Hamilton, Ohio. Filed June 2, 1921. Serial No. 474,510. 2 Claims. (Cl. 70—90.)



2. In a motor vehicle, the combination of a propeller shaft, a non-rotatable shaft, a reversing gear on said shaft rotatable by the vehicle motor in but one direc-

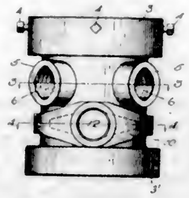
tion, a shiftable gear for operatively connecting said reversing gear with said propeller shaft, means for shifting said shiftable gear, means for rendering said shifting means inoperable when said shiftable gear is in mesh with said reversing gear, and means operable to lock said reversing gear to said non-rotatable shaft to automatically prevent backward rotation of said reversing gear when operatively connected with said propeller shaft.

1,582,237. GOLF GAME. EMMETT D. ANGELL, Califon, N. J. Filed Aug. 19, 1925. Serial No. 51,247. 4 Claims. (Cl. 273—35.)



1. A golf game comprising an artificial indoor putting "green" capable of supporting the players, having a surface approximating the surface of a real golf green, a "hole" adjacent one end of said "green", successively designated "tees" at the opposite end of said green and "hazards" on said green interposed intermediate the tees and hole spaced to provide a clear way between them for a golf ball and requiring the putting of golf balls from the several tees in a variety of different angular relations to pass through said way and into the hole in the fewest possible number of strokes.

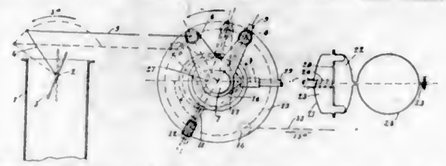
1,582,238. COMBINED CASING HEAD AND SNUFFER. PAUL ARBON, Tulsa, Okla. Filed June 4, 1924. Serial No. 717,743. 8 Claims. (Cl. 169—4.)



1. A casing head including an annular body formed with a series of spaced discharge passages, snuffer chambers arranged adjacent to and in advance of said discharge passages and intake and discharge passages for said snuffer chambers.

1,582,239. CONTROL OF CARBURETORS FOR INTERNAL-COMBUSTION ENGINES. MARIUS JEAN-BAPTISTE BARBAROU, Paris, France. Filed Feb. 23, 1924. Serial No. 694,805. 1 Claim. (Cl. 123—75.)

A control gear for the carburetor of an internal combustion engine comprising a control member operated by the operator, a rod and link gear embodying two swinging arms respectively connected to said control member and to the carburetor throttle, an intermediate member upon which said arms are jointed, a shaft on which said two swinging arms and said intermediate member are mounted and whereon said intermediate member is adapted to slide transversely with respect to said shaft, an elastic membrane subjected on one face to a predetermined constant pressure and on the other face to the surrounding atmospheric pressure and means

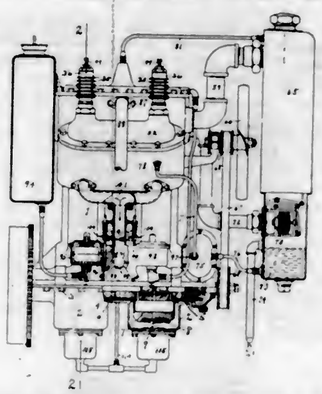


operatively connecting said elastic membrane to said intermediate member and adapted to transversely displace said intermediate member and whereby the angular position of said arm connected to the carburetor throttle is varied in accordance with the altitude at which the engine is working.

1,582,240. WINDSHIELD OR DEFLECTOR. FRANK R. BENNETT, Keene, N. H., assignor to Wilcox Comb Company, Inc., Keene, N. H., a Corporation of Massachusetts. Filed May 13, 1925. Serial No. 29,910. 3 Claims. (Cl. 296—84.)

1. A wind deflector or side shield for vehicles comprising a vertically elongate panel of transparent non-vitreous stiffly flexible sheet material, said panel having two longitudinally spaced pairs of openings therethrough, one opening of each pair being near the forward edge of said panel, a pair of brackets, each bracket comprising relatively movable clamping jaws for attachment to a part of a vehicle, and each bracket having a pair of openings corresponding to the openings in the panel, and bolts passing through the openings in the brackets and the transparent panel and firmly clamping the brackets directly against the surface of the panel.

1,582,241. INTERNAL-COMBUSTION ENGINE. MELL ALLISON BOLTON, Detroit, Mich. Filed June 10, 1918. Serial No. 239,138. 19 Claims. (Cl. 123—25.)

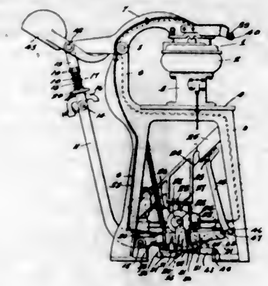


1. In an internal combustion engine, the combination of a working cylinder, and means for forcing inert gases carrying the fuel into said cylinder and independent means for forcing air into the working cylinder just before the piston reaches the end of its compression stroke.

1,582,242. ARTICLE OF MANUFACTURE. PHILIP C. P. BOOTY, Chicago, Ill., assignor, by mesne assignments, to Leslie W. Frick, Oak Park, Ill. Filed Dec. 20, 1923. Serial No. 681,737. 3 Claims. (Cl. 206—56.)

1. A container formed of a series of convolutions of cord arranged in contact with each other in a single layer and held together by a cementitious agent.

1,582,243. GARMENT AND LAUNDRY PRESS. PHILIP N. BRAUN, Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Filed Dec. 4, 1922. Serial No. 604,715. 5 Claims. (Cl. 68—9.)

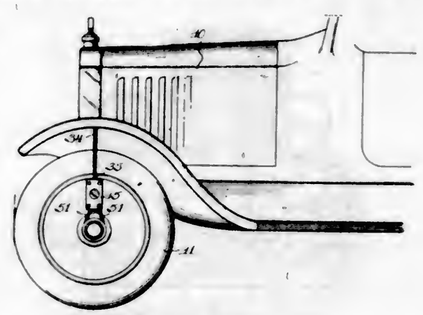


1. The combination with a pressing machine comprising upper and lower pressing elements having relative movement one toward and from the other, and actuating mechanism for the movable element comprising an intermittently movable motion transmitting member connected to the movable element, of a constantly rotating driving member and means for rotating the driving member, a connector carried by the motion transmitting member and movable into and out of connection with the driving member, operator-controlled electro-magnetic means independent of the former means for shifting the connector and means for holding the motion transmitting member in the position to which it is moved by the driving member, substantially as and for the purpose described.

1,582,244. HAIR-WAVING DEVICE. JEAN N. BRENNER, Kansas City, Mo., assignor to Ready-Set Marceller Company, a Corporation. Filed July 28, 1925. Serial No. 46,552. 2 Claims. (Cl. 132—31.)

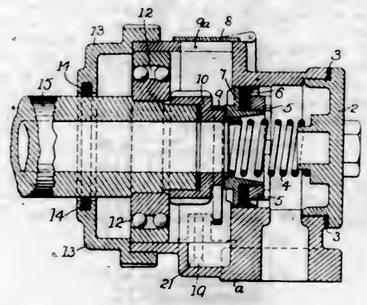
1. In a hair waving device, lazy bars, combs, and means connecting pivotally the lazy bars and the combs by which the lazy bars can swing so as to fold and the combs can swing on axes at angles to the axes of the lazy bars to and from positions in which they will overlap each other and lie flatwise under the lazy bars.

1,582,245. DIRIGIBLE LIGHT FOR VEHICLES. EDMUND BRUDER, Chicago, Ill., assignor to Albert H. Glos, Chicago, Ill. Filed Feb. 7, 1925. Serial No. 7,500. 9 Claims. (Cl. 240—8.12.)



3. In combination, a vehicle, a steering traction wheel, a lamp, means supporting the lamp upon the vehicle, and means connecting the lamp directly with the hub of said wheel and on the outside of the wheel, the said lamp being adapted to be deflected with respect to its support and by the said wheel when the latter is deflected with respect to the vehicle.

1,582,246. BEARING FOR DRYING CYLINDERS AND THE LIKE. ALBERT BUCHANAN, Reddish Vale, near Stockport, England. Filed Nov. 23, 1923. Serial No. 676,540. 4 Claims. (Cl. 285—1.)

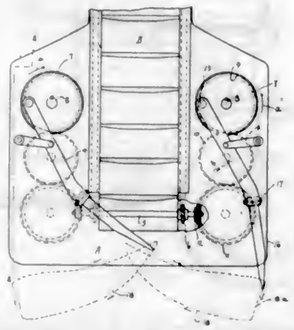


1. In a bearing for drying cylinders, a combination comprising a trunnion with a faced end, a bearing casing, a spring pressed universally accommodating nonrotary metal block having a faced part contacting with said trunnion end, and a ring of flexible material mounted on said block and making steam-tight contact with the bearing casing.

1,582,247. GATHERING MECHANISM. JOSEPH STANLEY BUACH, Franklin, Pa., assignor to Joy Machine Company, Pittsburgh, Pa. Filed June 16, 1924. Serial No. 720,326. 1 Claim. (Cl. 198—10.)

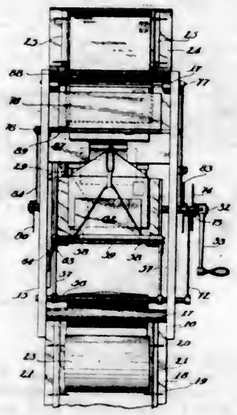
In a loading machine which comprises among its elements a conveyor organization and a supporting structure for said organization having an apron at the forward, receiving end thereof over which the material passes upon its entry to said conveyor; the combination with the foregoing of a gathering mechanism comprising a disc revolubly carried by said apron with its upper face disposed parallel with and adjacent the upper face of said apron, an upwardly-projecting, eccentrically-

positioned pin carried by said disc, a gathering arm engaging said pin at the rearward end and having its forward end free and adapted to engage and to sweep material over said apron and upon said conveyor, a link



having one of its ends pivotally attached to said arm intermediate its ends and its other end pivotally connected to said apron, and means whereby revoluble motion is transmitted from said conveyor to said disc to actuate said arm.

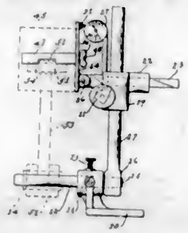
1,582,248. ENVELOPE-SEALING MACHINE. JOSIAH H. BYERLEY, Riverside, Calif. Filed July 18, 1923. Serial No. 652,231. 13 Claims. (Cl. 120—6.)



1. An envelope sealing machine comprising in combination a feeding magazine adapted to feed the envelopes on their lower edge with their flaps extending forwardly, a platform above the magazine, means to elevate the envelopes to said platform, a dampening device, means to bring the dampening device and the envelope flap into engagement, means to discharge the envelope from the platform and sealing means below the platform to press the flap against the envelope.

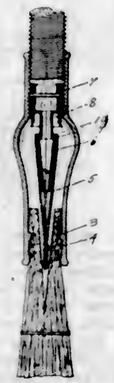
1,582,249. CONNECTING-ROD TRUING GAUGE. EDWARD F. CUMISKEY, Milwaukee, Wis. Filed Apr. 26, 1922. Serial No. 556,733. 10 Claims. (Cl. 33—180.)

1. A tool for testing the alignment of connecting rods and pistons, said tool including a pin adapted to receive and support the main bearing of a connecting rod, a standard having its greatest length disposed transversely to the axis of said pin, and a gauge device longitudinally adjustable upon said standard and including a pivoted



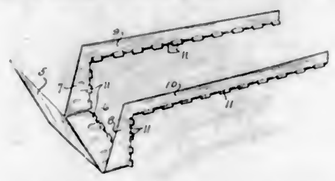
straight edge and an instrument adapted to measure the deviation of said straight edge from a line normal to the axis of said pin.

1,582,250. BROOM. WATSON CUTHBERT, Cleveland, Ohio, assignor, by mesne assignments, to The Re Fil Broom Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 31, 1921. Serial No. 526,243. 7 Claims. (Cl. 15—173.)



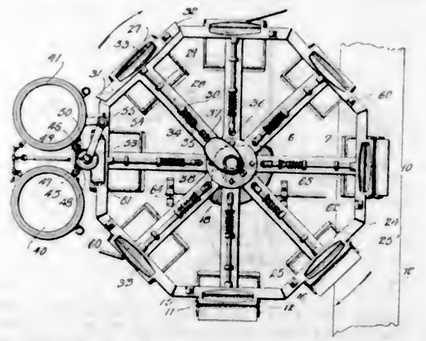
1. In a broom, the combination of a straw portion, a holder for the straw portion, a spring wedge, the spring wedge consisting of plates fixed together at one edge and means for spreading the plate of the spring wedge to cause it to secure the straw portion in said holder, substantially as described.

1,582,251. OIL-WASTE RETAINER. OLIVER B. DEATLEY, Indianapolis, Ind. Filed Oct. 17, 1925. Serial No. 63,135. 2 Claims. (Cl. 308—89.)



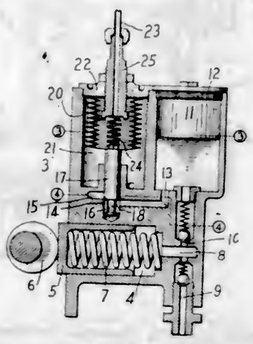
1. In a journal box having a journal extending therein, an oil-waste retainer having an attaching plate, an upright member extending from the plate on each side of the journal, a finger extending rearwardly from the upper end of each upright member on each side of the journal, and waste retaining prongs on the fingers.

1,582,252. STORAGE-BATTERY-PLATE-MOLDING MACHINE. CARROLL E. DODSON, Kansas City, Mo. Filed Jan. 2, 1925. Serial No. 259. 9 Claims. (Cl. 22—77.)



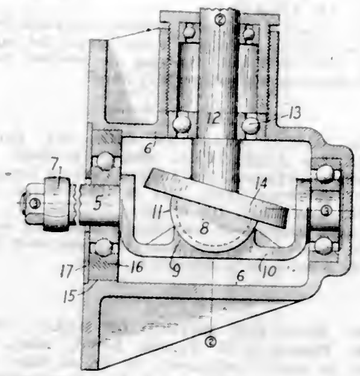
1. In a storage battery plate molding machine, a source of molten metal supply, a nozzle for delivering the molten metal from the source of supply, an intermittent operating means for communicating the nozzle with the source of supply, a plurality of molds, means for advancing the molds past the nozzle whereby molten metal may be delivered from the nozzle to the molds and transversely movable slotted bars over the molds normally in line with the molds but having movement across the top of the molds to break away the gates formed by the molten metal entering the molds.

1,582,253. LUBRICATING SYSTEM. PAUL C. ELLIOTT, Dayton, Ohio. Filed Sept. 15, 1921. Serial No. 500,910. 6 Claims. (Cl. 123—196.)



1. The combination with an internal combustion engine comprising a crank case, adapted to contain oil, and an intake manifold, and a pump connected with said crank case, of a controlling device comprising a distributing chamber having an inlet and outlets arranged on the respective sides of said inlet, said inlet being connected with said pump, one of said outlets being connected with the bearings to be oiled and the other of said outlets being connected with a by-pass, a valve mounted in said distributing chamber, held normally in a position to connect said inlet with one of said outlets, and a suction operated device connected with the intake manifold of said engine and acing on said valve to interrupt the communication between said inlet and the one outlet and establish communication between said inlet and the other outlet, said controlling device further comprising an equalizing chamber interposed between said pump and said distributing chamber.

1,582,254. STEERING MECHANISM. PAUL C. ELLIOTT, Dayton, Ohio. Filed Sept. 15, 1921. Serial No. 500,963. 3 Claims. (Cl. 74—79.)



1. In a steering mechanism, a housing formed in a single piece and having a relatively large opening in one end thereof, a removable closure for said opening comprising a bearing, a bearing at that end of said housing opposite said opening, a shaft journaled in said bearings and adapted to be connected with the wheels to be steered, a member mounted on said shaft for rocking movement transversely to the axis thereof and held against movement relatively to said shaft about an axis parallel therewith, a steering rod journaled in said housing on an axis transverse to the axis of said shaft, and an actuating plate arranged within said housing and secured to said steering rod in a plane oblique to the axis thereof and having a bearing surface engaging said member, the opening in the end of said housing being of sufficient size to permit the insertion therethrough of said shaft, and said plate.

1,582,255. PROCESS FOR VULCANIZING AUTO TIRES. WALTER L. FAIRCHILD, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,706. 7 Claims. (Cl. 18—53.)

1. A process of the class described which consists in applying a strip of raw rubber to the beads of a shoe thereby closing the space between the beads and sealing the interior of the shoe, confining the shoe and the strip in a detachable mold, vulcanizing the shoe and strip by introducing steam interiorly, removing the mold and cutting away the strip between the beads.

1,582,256. PROPELLANT POWDER. CHARLES R. FRANKLIN, Dover, N. J. Filed Oct. 8, 1923. Serial No. 667,859. 12 Claims. (Cl. 52—13.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. As a new propellant, nitrocellulose powder containing nitroguanidine, and an oxidizing agent, and having its surfaces impregnated with a deterrent material.

1,582,257. PREPARING SOLUBLE OILS. DE RALPH FRIZELL, Los Angeles, and BERT ALLEN STAGNER, Berkeley, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed Apr. 1, 1922. Serial No. 548,847. 13 Claims. (Cl. 87—9.)

1. The process of preparing soluble oils which consists in saponifying naphthenic acids, mixing the naphthenates with cresol and dissolving the resulting compound of naphthenates and cresol in an oil.

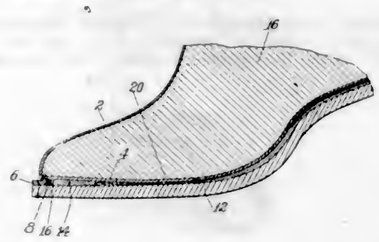
1,582,258. CASTOR MACHINE OILS. DE RALPH FRIZELL, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a Corporation of California. Filed May 9, 1922. Serial No. 559,614. 14 Claims. (Cl. 87—9.)

1. A castor machine oil comprising a naphthenic soap, an alkali metal naphthenate other than said soap and an oil, the product being insoluble in water.

1,582,259. SHOE AND METHOD OF MAKING THE SAME. FREDERICK M. FURBER, Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 24, 1917. Serial No. 203,802. 38 Claims. (Cl. 12—142.)

37. A filler for shoe bottoms consisting of sheet material cut to fit the contour of the forepart and shank of a welt shoe bottom within the insole rib and having a shank stiffener embedded in it.

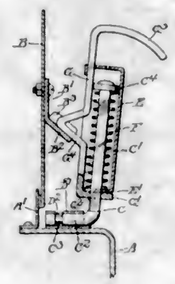
1,582,260. SHOE. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 6, 1918, Serial No. 252,868. Renewed Jan. 13, 1923. 5 Claims. (Cl. 36—30.)



1. A sheet-stock shoe-bottom filler of nonplastic material shaped approximately to fill the recess at the forepart within the inseam and between the insole and the outsole of a welt shoe and having a thickness gradually decreasing longitudinally and transversely to a minimum at the portion which comes under the ball of the foot in the shoe.

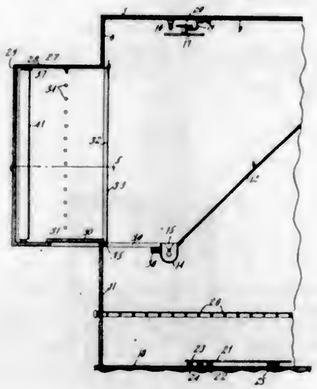
1,582,261. HOOD LATCH. CHARLES B. GILMORE, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 24, 1925. Serial No. 4,368. 12 Claims. (Cl. 292—67.)

1. In combination with a closure and a latch support, a latch for said closure mounted upon said support, and adapted to be moved laterally past said closure and held against movement away from said closure, said latch including a hook member provided with an inclined cam face, and a hook receiving member on said closure, said



cam face adapted to be seated upon said receiving member to hold the closure closed and to force the same inward.

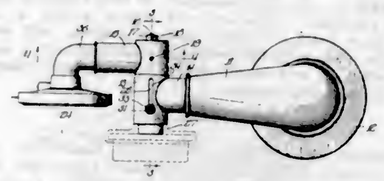
1,582,262. AERIAL-PICTURE APPARATUS. HARRY M. GOODHUE, Sr., Boston, Mass. Filed Feb. 15, 1923. Serial No. 619,221. 6 Claims. (Cl. 272—13.)



1. An apparatus of the character described having, in combination, a cabinet provided with an opening in its front, the inner surfaces of the cabinet being dark, a transparent member in said cabinet in alignment with said opening and inclined at an angle thereto, an auxiliary cabinet located behind said cabinet and opening thereinto, means to illuminate said auxiliary cabinet, a vertical member of sheet material at the back of said auxiliary cabinet and means to impart motion to said vertical member longitudinally thereof and across said auxiliary cabinet.

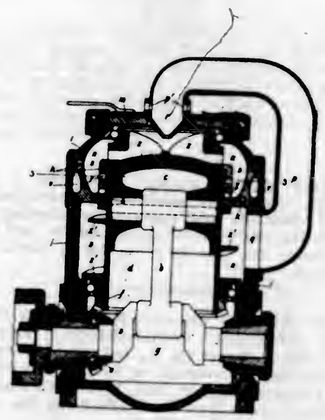
1,582,263. SOUND-CONTROL CONSTRUCTION. OTTO R. GRASS, Chicago, Ill., assignor to The Oro-Tone Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 29, 1924. Serial No. 695,882. 3 Claims. (Cl. 179—100.1.)

1. A sound control construction comprising a tone arm, a T connected to said tone arm, means for connecting a sound box to one end of said T, the other end of the T being adapted for connection to a loud speaking unit,



and a sliding shutter fitted into the T and adapted to selectively cut off connection from either end of the T to the tone arm.

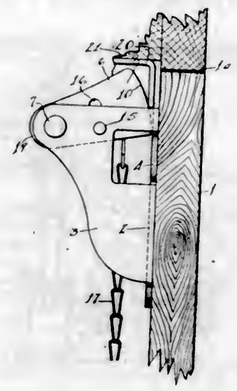
1,582,264. AIR COMPRESSOR. NICOLAI GRIBOJEDOFF, Rastatt, Germany. Filed Oct. 20, 1925. Serial No. 63,689. 7 Claims. (Cl. 230—34.)



1. In an air compressor in combination, a cylinder rotating about its own axis, a piston reciprocating in said cylinder, a cylinder head provided on said cylinder, a stationary annular valve enclosing said cylinder head, ports in said valve and ports in said cylinder head cooperating with each other to control the admission and the exhaust to and from said cylinder, a cover plate mounted upon said valve, an admission chamber enclosed by said cylinder head, said valve and said cover plate, further admission chambers provided in said valve and communicating with the first said admission chamber, exhaust chambers also provided in said valve, and means for feeding air into the first said admission chamber.

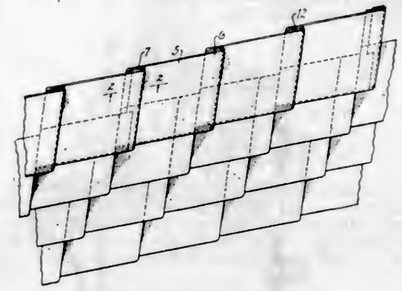
1,582,265. DOOR CATCH. JAMES C. GRIFFIN, Erie, Pa. Filed Nov. 19, 1923. Serial No. 675,554. 6 Claims. (Cl. 292—225.)

1. In a door catch, the combination of a frame comprising a base and side walls extending outwardly from the base, the base having securing ears formed intermediate the ends of the sides and from metal entirely



within and spaced from the margins of the side walls and extending outwardly beyond the side walls; and a latch pivoted between the side walls.

1,582,266. ROOFING MATERIAL. NORMAN P. HARSHBERGER, Chicago, Ill. Filed Dec. 21, 1921. Serial No. 523,838. 5 Claims. (Cl. 108—8.)

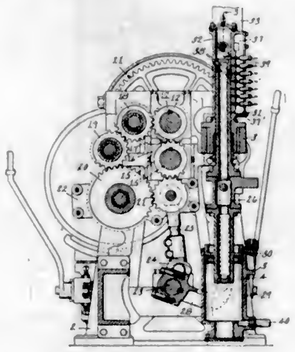


1. In a roof covering two strips of sheeting, each of the strips having transverse folds therein, one of the strips being aligned with and being a continuation of the other strip, the adjacent ends of the said two strips abutting together and forming the central portion of a fold, each of said adjacent ends having an offset portion with a shoulder thereon, the shoulders of the offset portions abutting together, thereby preventing relative transverse movement in one direction of said two ends.

1,582,267. ROLLING MACHINE. EUGENE HIGGINS, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Apr. 23, 1924. Serial No. 708,459. 8 Claims. (Cl. 80—5.)

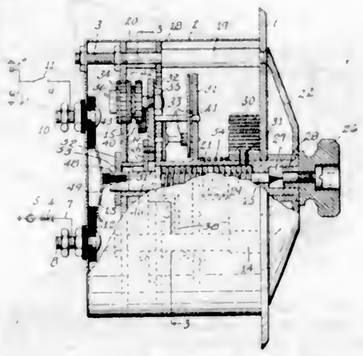
1. In a rolling machine, the combination of a frame, a roll upon a fixed shaft, a movable roll upon a shaft supported in a slide, a driving means and a gear train between the said rolls for driving the same in unison, a rock shaft with rock arms and connections for actuating the said slide, an engine with cross head and link connections therefrom to actuate the said rock shaft, a dash pot comprising a plunger secured to the said cross

head and a cylinder with an oil reservoir therefor having an auxiliary extension to one side of the said cylinder, a series of exhaust ports in the dash pot cylinder leading to the oil reservoir and adjustable valves for controlling



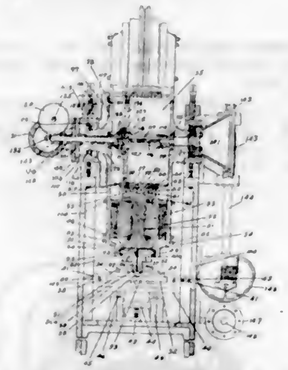
the said ports to regulate the same, and a spring seated yielding intake valve between the oil reservoir and the dash pot cylinder to permit the quick return of the machine and the filling of the said dash pot cylinder with oil, coacting as specified.

1,582,268. SWITCH-CONTROL MEANS. PAUL HUSTED, OTTO HUSTED, and FOSTER K. SOLLIDAY, Grand Rapids, Mich. Filed May 24, 1924. Serial No. 715,751. 16 Claims. (Cl. 200—35.)



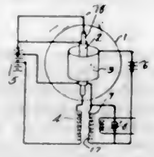
1. In a structure of the class described, the combination of a casing provided with a face plate, a cross plate disposed transversely within said casing and having a segmental slot toothed at one end to provide a rock, a barrel rotatably mounted on said plates, a driving spring connected to said barrel, a longitudinally slotted manually adjustable spindle rotatable with and mounted for longitudinal movement in said barrel, said barrel and spindle having registering transverse slots, a spring for actuating said spindle arranged within said barrel, a stop plate mounted on said cross plate and having a stop lug adapted to enter said longitudinal groove in said spindle when aligned therewith, a normally open switch adapted to be engaged by said spindle when the spindle is actuated by said spring, a timing means comprising a frame mounted on said barrel for axial movement thereon and having a driving lug engaging said slots in said barrel and spindle, said lug and slot in said spindle providing a lost motion connection for said spindle and frame, an escapement mechanism carried by said frame, a driving pinion coacting with said rack and supported against axial movement thereby, a shaft on said frame slidable in said driving pinion, a driven pinion on said shaft, said pinions being provided with coacting clutch members adapted to be engaged and disengaged by the axial movement of said frame, a spring for yieldingly supporting said driven pinion, a train of gears carried by said frame connecting said driven pinion with said escapement mechanism, and a spring mounted on said barrel acting to return said frame to clutch engaging position.

1,582,269. ELECTRICAL WELDING MACHINE. AXEL Z. JOHNSON and NELS A. JOHNSON, Jamestown, N. Y. Filed Jan. 23, 1924. Serial No. 687,928. 10 Claims. (Cl. 219—6.)



1. A tube welding machine comprising a rotary electrode, a transformer mounted upon and rotatable with said electrode, said transformer including means for regulating the ratio of transformation and means for supporting the tube to be welded in contact with said electrode.

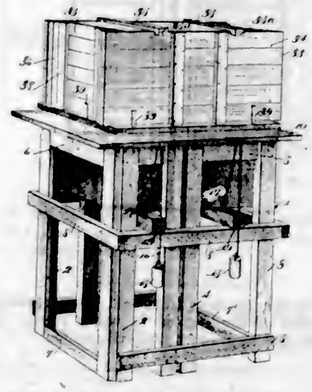
1,582,270. METHOD OF AND MEANS FOR GENERATING ELECTRIC OSCILLATIONS. HOMER C. SNOOK, South Orange, N. J., and JOHN B. JOHNSON, Elmhurst, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1922. Serial No. 544,927. 16 Claims. (Cl. 250—36.)



1. The method of operating a space discharge device having electron-emitting and receiving electrodes and an additional electrode which comprises producing within the device, by current flowing through the additional electrode, a charge for controlling the flow of electronic current.

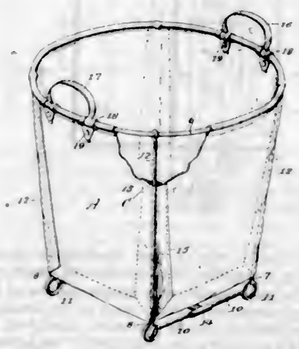
1,582,271. MEANS FOR FORMING SEPTIC TANKS. JOHN JOHNSON, Tampa, Fla. Filed Mar. 19, 1925. Serial No. 16,770. 3 Claims. (Cl. 25—41.)

1. An apparatus adapted for use in forming a vessel of a plastic material, comprising a platform having an opening therein, a base resting upon the platform and having an opening in register with the opening in the platform, a core adapted to move vertically through the registered openings in the platform and base to protrude above the level of the base, said core being of slightly less area in cross section than the opening in the base, said core having a re-entrant portion at one end there-



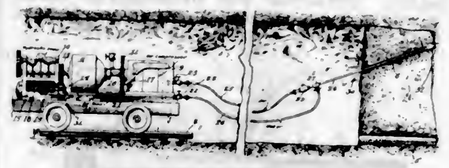
of, an additional core received in the space within said re-entrant portion of the first core in spaced relation to the walls of said re-entrant portion, an outer form open at its upper end and disposed on the base in spaced relation to the core, and a guide frame beneath said base for preventing lateral movement of said core during the vertical movement thereof.

1,582,272. CANVAS BASKET. HARRY JOSEPHSON, Bridgeport, Conn. Filed Jan. 25, 1924. Serial No. 688,411. 4 Claims. (Cl. 150—51.)



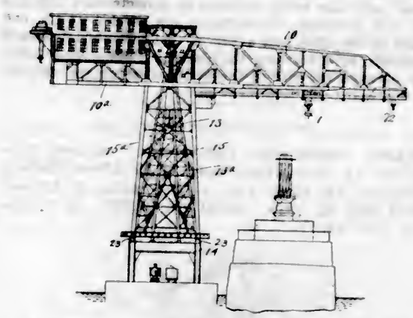
1. A basket of the class described, comprising side frame members each including central horizontally disposed bottom supporting portions, edge portions, T-shaped reinforcing means embracing portions of the bottom supporting portions and edge portions and binding the bottom supporting portions together, integral yieldable feet, extended below the before mentioned supporting portions of the frame and integral posts rising from the said feet, and a ring member forming to top part of the frame to which the posts are secured, and a flexible receptacle enclosing the said ring and posts of the frame and supported above the bottom portions of the frame.

1,582,273. METHOD OF BLASTING AND APPARATUS THEREFOR. JOSEPH F. JOY, Pittsburgh, Pa., assignor to Joy Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,185. 7 Claims. (Cl. 262—1.)



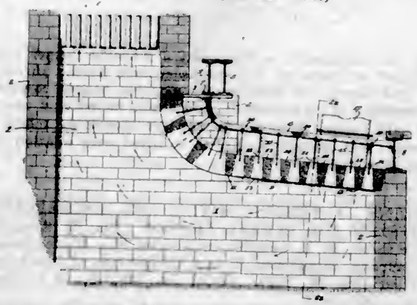
1. In an apparatus for blasting material in which a hole is drilled, means including a pump to build up a hydraulic pressure in the hole sufficiently to cause an initial rent or fracture in the material, and means including a second pump to supply air under pressure into the rent upon occurrence of the latter.

1,582,274. CRANE. ROBERT W. KALTENBACH, Cleveland Heights, Ohio, assignor to The McMyler Interstate Company, Bedford, Ohio, a Corporation of Ohio. Filed Oct. 6, 1921. Serial No. 505,730. 18 Claims. (Cl. 212,28.)



1. A crane comprising a load supporting boom or arm provided with a depending skirt, a tower extending upwardly through the skirt, and at its upper end rotatably supporting the arm and skirt, the arm and skirt being also mounted for rocking movement about the axis of the tower.

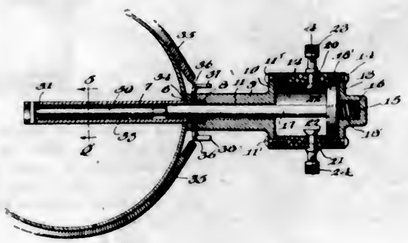
1,582,275. HANGING ARCH FOR FURNACES. GEORGE A. KELLNER, Detroit, Mich. Filed Aug. 6, 1924. Serial No. 730,363. 7 Claims. (Cl. 110—99.)



1. In a hanging arch, supports extending over and across the fire box, a series of key-stone bricks arranged in courses in inverted relation to each other, and de-

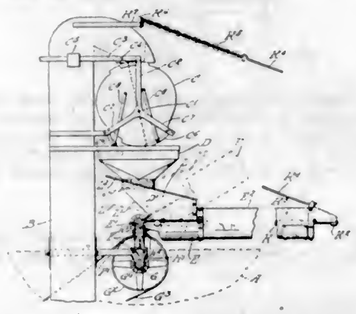
pending means connected to the supports and to a plurality of the bricks for suspending the arch from and beneath said supports.

1,582,276. DETECTOR FOR OVERHEATED PIPES. HAROLD G. KITTO, Kewanee, Ill. Filed Mar. 14, 1924. Serial No. 699,369. 1 Claim. (Cl. 200—142.)



A heat detector comprising a circuit closer having an active element, hooks provided at opposite sides of the circuit closer, a coil spring adapted to be connected at its ends with the hooks, a tube attached to the circuit closer and receiving the end portion of the active element thereof, said tube being provided at diametrically opposite sides with openings, an abutment pin carried at the end portion of the tube and a bar of fusible material housed within the tube between the opening thereof and interposed between the end of the active element and the circuit closer and the abutment pin.

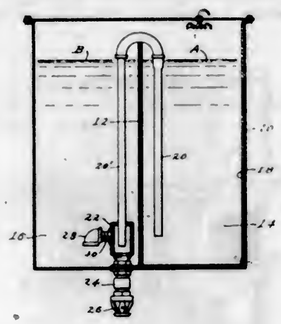
1,582,277. ELEVATING CONVEYER. AMADEE JOHN KNAPP, La Porte, Ind., assignor to Advance-Rumely Company, La Porte, Ind., a Corporation of Indiana. Filed May 11, 1925. Serial No. 29,326. 16 Claims. (Cl. 198—44.)



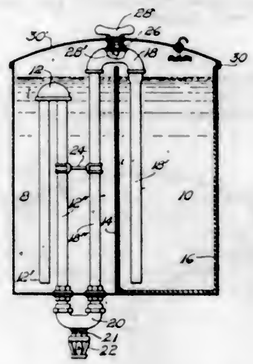
1. In combination a fixed and a movable hopper one mounted to discharge into the other each having an outlet and means for keeping the movable hopper covered irrespective of its movement, said means including a cover for said hopper mounted thereon for movement relative thereto, said movable hopper to be tilted with relation to said first hopper.

1,582,278. AUTOMATIC MIXING AND DISCHARGING SYSTEM FOR PLURAL LIQUIDS. IRA W. KNIGHT, Cranston, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed July 28, 1924. Serial No. 728,579. 2 Claims. (Cl. 169—26.)

1. An automatic mixing and discharging system for plural liquids comprising the combination with containers for said liquids, of a siphon rising from one of the containers and descending through the other of them and having its discharge leg primed with the liquid of the said other container; and an ejector in said other container, arranged for flow from said other container into the discharge of the system, in which ejector the said flow is arranged to draw through the siphon.



1,582,279. AUTOMATIC MIXING AND DISCHARGING SYSTEM FOR PLURAL LIQUIDS. IRA W. KNIGHT, Cranston, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Nov. 5, 1924. Serial No. 747,980. 4 Claims. Cl. 169—26.)

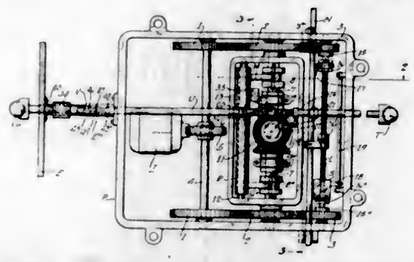


1. An automatic mixing and discharging system for plural liquids comprising the combination, with separate containers for said liquids, of a siphon for one of the containers rising above the normal level of its liquid, having a crest vent and a closure therefor; a siphon for the second container having its crest below the normal level of its liquid; means connecting the discharge legs of said siphons, whereby the two discharge legs are primed by the filling of the second container to normal level; and a common valved outlet whose opening effects simultaneous discharge of both siphons.

1,582,280. BARBER'S CHAIR. WALTER F. KOKEN, Webster Groves, Mo. Filed Jan. 21, 1924. Serial No. 687,539. 15 Claims. (Cl. 155—27.)

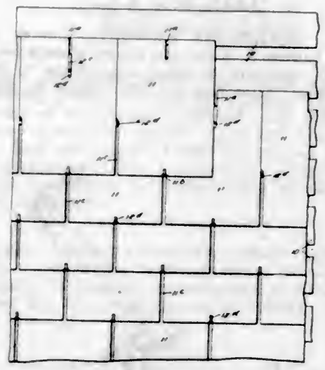
1. A chair provided with a seat, a back, a mechanical means for moving the back relatively to the seat comprising two cooperating threaded devices arranged so

that movement imparted to one device causes the other device to actuate the back, a primary driving means, a motor for operating said driving means, and means under



control of the operator in charge of the chair for connecting and disconnecting said mechanical means to and from said driving means.

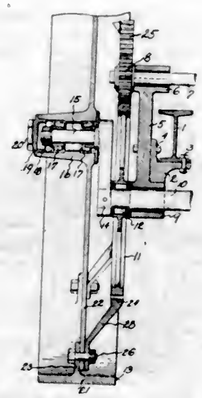
1,582,281. SHINGLE ROOF CONSTRUCTION. BERNIE C. KRIDLER and JAMES C. BOYLE, Flint, Mich., assignors to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Aug. 23, 1923. Serial No. 658,978. 1 Claim. (Cl. 108—9.)



In a shingle roof construction, a series of equidistantly spaced parallel furring strips, shingles for disposition on said strips, each of said shingles having a longitudinally central elongated slotway extending inwardly from its upper end edge and a lower end edge recess in alignment with the slotway, the lower portion of each shingle having one side edge cut away to form with an adjacent shingle a slotway, said shingles being disposed on said furring strips with the lower end edge recesses of one row superposed over the inner end of the side edge slotways of the next previous row and over the slotways extending from the upper end edges of the third succeeding row whereby to form on a portion of each furring strip three layers of shingles, and clip members disposed through said end edge recesses, side edge slotways and end slotways for binding the shingles on said furring strips.

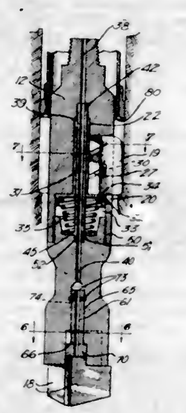
1,582,282. DRIVE FOR SELF-PROPELLED VEHICLES. DANIEL P. KURTZ, Elkhart, Ind. Filed Aug. 5, 1925. Serial No. 48,191. 7 Claims. (Cl. 74—7.)

1. In a device of the character described, the combination of a vehicle frame, a bearing structure rigidly fixed to said frame and comprising bearing elements at the top and bottom thereof, a drive shaft extending through one of said bearings, a pinion mounted on said drive shaft, an axle mounted in the other bearing, an intermediary gear in engagement with said pinion and



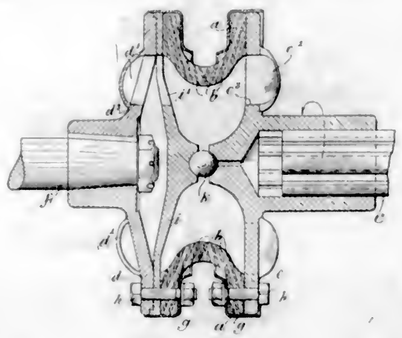
rotatably supported on said axle, a running wheel, and an internal gear fixedly secured to said running wheel and in engagement with said intermediary gear.

1,582,283. WELL-DRILLING TOOL. EDWARD K. LANE, Ventura, Calif. Filed Sept. 19, 1922. Serial No. 589,215. 6 Claims. (Cl. 255—75.)



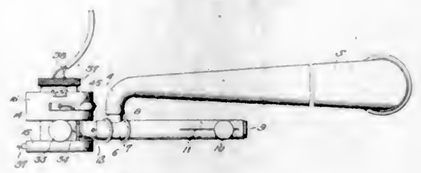
1. In a well drilling and reaming tool, the combination of: a body adapted to be attached to a rotatable member; reaming blades having vertically disposed cutting edges radially and axially movably supported by said body; means in said body for extending said blades when they are moved in one axial direction and for retracting said blades when they are moved in the opposite axial direction; and means for resiliently forcing said blades in the axial direction in which said blades are extended, said forcing means being disposed around an axially extending tubular member which has the function of conveying liquid through said body.

1,582,284. UNIVERSAL JOINT. AUGUST H. LEIPERT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 18, 1923. Serial No. 663,375. 5 Claims. (Cl. 64—96.)



1. In a universal joint driving and driven flanges, means to connect said flanges to transmit driving forces therebetween and afford capacity for universal movement and vanes carried with one of said flanges to induce a cooling current of air in and about the connecting means for said flanges.

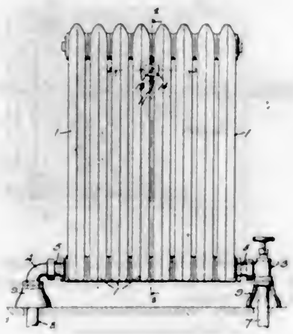
1,582,285. ACOUSTICAL APPARATUS. FRANK D. LEWIS, West Orange, N. J., assignor to Pathe Phonograph and Radio Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 14, 1924. Serial No. 749,926. 8 Claims. (Cl. 179—100.1.)



1. A combined phonograph and electromagnetic sound reproducing unit, comprising a pivotally mounted tubular arm, an electro-magnetic operating mechanism and a phonograph sound box carried on one extremity of said arm, and means whereby sound generated by said electromagnetic operating mechanism may be conveyed either directly to said phonograph sound box or to said tubular arm to the exclusion of said sound box.

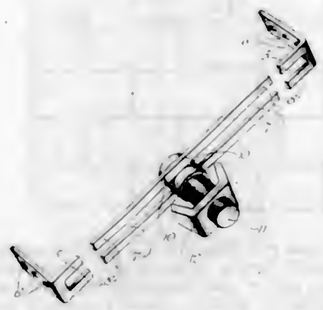
1,582,286. RADIATOR SUPPORT. ORTON C. LITTLE, Menasha, Wis., assignor of one-half to Frank O. Heckrodt, Menasha, Wis. Filed Sept. 29, 1922. Serial No. 591,346. 2 Claims. (Cl. 257—163.)

2. In combination, a radiator, fittings extending outwardly from the ends thereof, vertical pipes connected to said fittings and providing inlet and outlet connections for said radiator, and tubular members having a loose fit with respect to said pipes and arranged thereon between the supporting floor and the adjacent



ends of said fittings, the upper ends of said members providing seats for said fittings whereby said pipes are relieved of the weight of said radiator.

1,582,287. OUTLET-BOX SUPPORT. DANIEL LUCKWALDT, SAMUEL L. KATZ, and FRANK GROSSMANN, Chicago, Ill., assignors, by mesne assignments, to Charles Weicensang. Filed June 21, 1922. Serial No. 569,946. 5 Claims. (Cl. 247—22.)

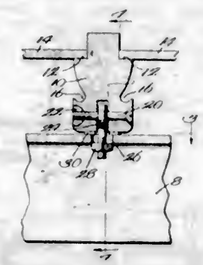


1. In an outlet box support, the combination of a supporting bar comprising a pair of longitudinally extending side members with a space therebetween, a head extending through the space and having notches in its sides to receive the members of the bar respectively and slidably connect the head and bar, the head being secured against separation from the bar while said members are in said notches, the head being of greater width than said space and insertable into said space, and means on the lower end of the head for securing an outlet box to the bar.

1,582,288. ROOF STRUCTURE. PHILIP L. MCKEE, Chicago, Ill. Filed Sept. 17, 1925. Serial No. 56,887. 5 Claims. (Cl. 108—16.)

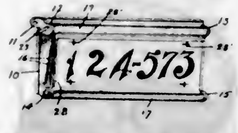
1. In a roof structure for greenhouses and the like, a purlin, a sash bar having a chamber in the under

side, a pin passing transversely through the chamber and supported in the sash bar, and a fastening element



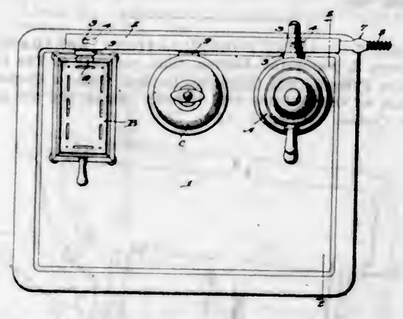
extending into said chamber and supported by the pin and engaging the purlin for holding the parts together.

1,582,289. AUTOMOBILE LICENSE-PLATE SUPPORT. DOUGLAS MACPHAIL, Millburn, N. J. Filed May 27, 1924. Serial No. 716,092. 5 Claims. (Cl. 40—125.)



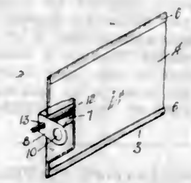
1. An automobile license plate holder comprising a supporting member, a plurality of license plate-carriers, bearings on said supporting-member, said carriers being adapted to lap one upon the other, said bearings being offset from said support a sufficient distance to position the outermost carrier substantially parallel to said support and means for holding said carriers in tensional engagement.

1,582,290. ELECTRICALLY-HEATED BREAKFAST SET. JOSEPH ROI MARCHENSEAULT, Cranston, R. I., assignor to Gorham Mfg. Company, Providence, R. I. Filed Apr. 27, 1925. Serial No. 26,017. 7 Claims. (Cl. 219—19.)



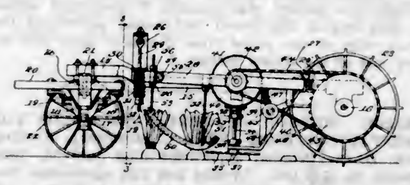
1. In an electrically heated breakfast set or the like, a portable tray, a tubular housing extending along a side of the tray, means to connect the housing to the tray to permit of instantaneous removal and connection thereof, a socket in one end of the housing for receiving a plug that is connected to a service outlet, feed wires in the housing connected to the socket, a series of lateral plugs, means to flexibly connect the plugs to the housing, said plugs having contacts, a series of utensils having electric heating means therein formed to be carried by the tray and having contact devices for removable engagement with said plug contacts, and means to connect each of the lateral plugs to the feed wires.

1,582,291. CARD OR MIRROR HOLDER AND LIGHTING DEVICE. JAMES S. MASSEY, Toledo, Ohio. Filed Dec. 28, 1925. Serial No. 77,964. 4 Claims. (Cl. 240—2.)



1. A mirror plate holder comprising a single piece of sheet metal having angled upper and lower edge portions for engaging and holding a mirror plate, a rearwardly pressed portion to form a lengthwise extending wire receiving channel, and an integral tongue at each end of the channel forwardly angled to close the adjacent channel end and form a lamp support in advance of the holder.

1,582,292. BEET-TOPPING MACHINE. JAMES MAZZOCCO, Gallup, N. Mex., assignor of one-half to Fred Mutto, Gallup, N. Mex. Filed Jan. 3, 1923. Serial No. 610,512. 15 Claims. (Cl. 55—107.)



3. A beet-topping machine, embodying a main frame, a vertically movable supplemental floating frame carried thereby, a device depending from and carried by the supplemental frame, a shaft vertically disposed and mounted for rotation in said device, means for rotating said shaft, a cutting element horizontally disposed on said shaft and means for yieldingly and adjustably supporting the supplemental frame to regulate the altitudinal position of the cutting element.

6. A beet-topping machine embodying a main frame, a vertically movable supplemental floating frame carried thereby, a supporting device depending from and carried by the supplemental frame, a shaft vertically disposed and vertically adjustable in said device, means for rotating said shaft, a cutting element horizontally disposed on said shaft beneath said device, means for yieldingly and adjustably supporting the supplemental frame auxiliary to its primary support on the main frame, a substantially rectangular frame curved longitudinally and disposed beneath the supplemental frame, hangers adjustably and flexibly connecting the forward end of said rectangular frame to said supplemental frame, means for flexibly connecting the rear portion of the rectangular frame to the supplemental frame, the latter means serving as a fulcrum for the rectangular frame, and spaced bars in and carried rigidly by said rectangular frame, said spaced bars being curved longitudinally.

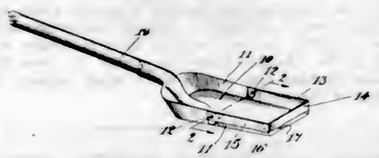
7. A beet-topping machine embodying a frame, wheels supporting the frame, a vertically movable topping element and combined means composed of a curved frame

pivotally and flexibly supported at its rear end adjacent to the topping element and adjustably supported at its forward end and, located in advance of the topping element together with curved spaced bars in and rigidly carried by said curved frame for combing through the tops of the beets, engaging the crowns thereof and thereby regulating the altitudinal adjustment of the topping element.

11. In a beet-topping machine a cutting element mounted for rotary travel on a horizontal plane, a top-scavenging element mounted for rotation with said cutting element, and means for driving said elements conjunctively at substantially 800 R. P. M.

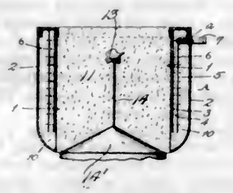
14. In a beet-topping machine, a knife mounted for rotary travel around an axis, said knife being formed with a cutting edge eccentric to said axis and means for driving said knife at relatively high-speed simulating hand work.

1,582,293. ASH-SEPARATING SHOVEL. CHARLES J. MILLER, Summit, N. J. Filed Jan. 27, 1926. Serial No. 84,016. 4 Claims. (Cl. 209—419.)



1. In an ash separating shovel, in combination, a shovel having a non-foraminous bottom, a guard having a continuous bottom edge capable of placement across the open end of the shovel and means preventing the bottom edge of the guard from abutment upon the delivery end of the shovel bottom.

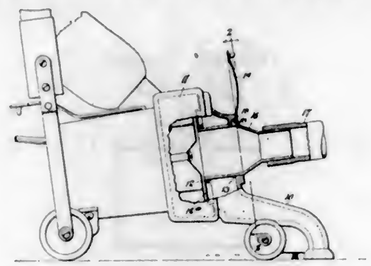
1,582,294. METHOD OF PREPARING MOLDS FOR DENTAL CASTINGS. FELIX C. MONTUORI, Washington, D. C. Original application filed July 30, 1924, Serial No. 729,186. Divided and this application filed Apr. 21, 1925. Serial No. 24,760. 1 Claim. (Cl. 22—193.)



The method of preparing molds for dental castings which consists in pouring the investment material around a fusible pattern and a sprue former placed within a surrounding electric heating element electrically insulated from the said investment material, and then passing an electric current through said heating element, thereby fusing and dissipating the pattern, thus preparing the mold cavity and also gradually drying the investment material for the casting operation.

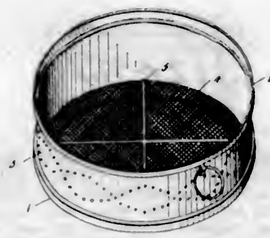
1,582,295. VACUUM CLEANER. LEO JAMES MUENZEN, Mount Vernon, N. Y. Filed May 7, 1924. Serial No. 711,553. 6 Claims. (Cl. 137—76.)

1. In combination a wall having an opening therein to receive a hose coupling, and having a notch in its outer face at one side of said opening to receive a lug fixed on said coupling, and a pivoted cover for said



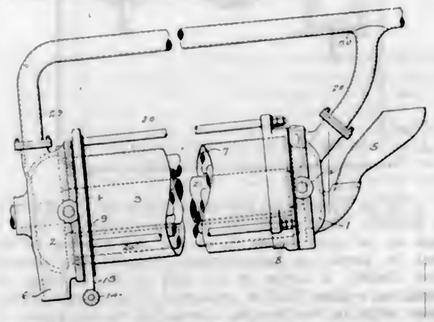
opening swingable into position to partially cover said notch and prevent retraction of said lug therefrom.

1,582,296. FOOD COVER. MARY NEIGHBAUER, Carrizozo, N. Mex. Filed Aug. 29, 1922. Serial No. 584,976. 1 Claim. (Cl. 65—16.)



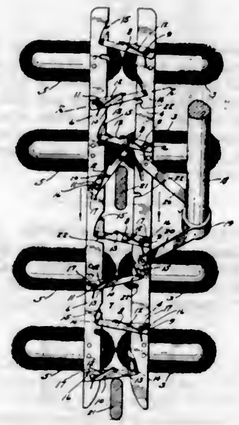
An article of the class described comprising a rim, a screen, the rim at one edge having a bead securing said screen in place and extending outwardly of the main outer wall of the rim, and said bead having a flat extension disposed over and in contact with the screen and projecting inwardly beyond the inner surface of the rim a considerable distance to support the article when inverted in covering relation on a receptacle, to thereby relieve the screen of strain incidental to the last mentioned use.

1,582,297. LIGNITE-DISTILLATION APPARATUS. JOHN E. NEUMAIER, Dayton, Ohio, assignor to The Lignite Pressed Coal Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 1, 1922. Serial No. 533,438. 4 Claims. (Cl. 202—15.)



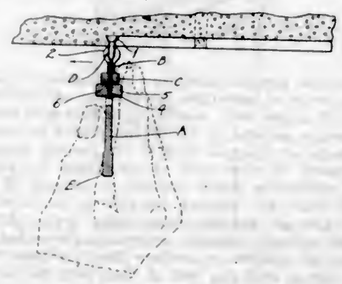
1. In a distillation retort for lignite of the like, oppositely disposed spaced heads having inlet and outlet orifices, an inclined revoluble cylinder having bearings in said heads, independent passages thru the cylinder and communicating with the heads for the material to be distilled, means for subjecting the material to heat during its passage, and oppositely disposed horizontal trunnions upon the heads about which the opposite ends of the structure is capable of vertical swinging adjustment to vary the inclination of the inclined cylinder.

1,582,298. SEPARABLE FRAME. THOMAS NYGAARD, Minneapolis, Minn. Filed Mar. 28, 1924. Serial No. 702,614. 10 Claims. (Cl. 15—159.)



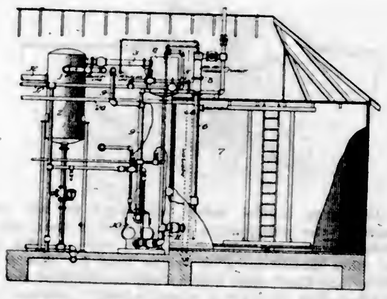
1. The combination with spaced body members, of a multiplicity of yielding body-coupling elements normally connecting said body members but displaceable, one or several at a time, to permit an object to pass between said members, the said coupling elements being automatically restored to coupling positions when relieve from pressure from the object passing between the said members.

1,582,299. BRICK-MASON'S TOOL. OTTO C. OEHLER, St. Louis, Mo. Filed Oct. 22, 1925. Serial No. 64,151. 5 Claims. (Cl. 72—138.)



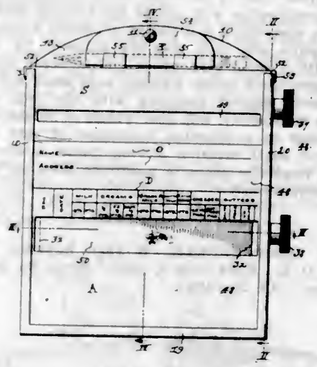
1. A brick mason's tool, comprising a handle provided with arms whose ends are adapted to be arranged in engagement with a brick structure at opposite sides of a mortar joint in said structure, and an adjustable raking device positioned between said arms and projecting forwardly beyond the ends of same for removing some of the mortar from said joint when the tool is moved lengthwise of the joint.

1,582,300. PROCESS AND APPARATUS FOR PURIFYING BLOWN-OFF BOILER WATER. SPENCER OTIS, Barrington, Ill. Filed Oct. 12, 1922. Serial No. 593,943. 5 Claims. (Cl. 210—14.)



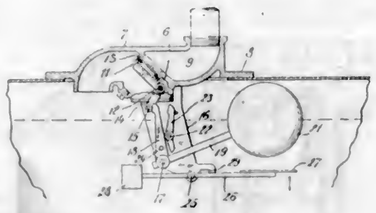
1. The process of purifying water blown off from boilers, which consists in taking blown off water while at high temperature, adding a reagent thereto, adding an increment of fresh water to temper the water being treated, subjecting the combined volume of water and reagent to settlement in a precipitation chamber, and then subjecting the resultant treated water to filtration.

1,582,301. RECORDER. FRANK PANKAU, Milwaukee, Wis. Filed Mar. 28, 1925. Serial No. 19,039. 8 Claims. (Cl. 281—6.)



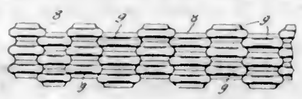
1. A recorder of the character described comprising a casing having a sight opening, a roller-carrying frame within said casing, said roller-carrying frame provided with a magazine roller adapted to carry a roll of material, and two pairs of alined fixed and movable rollers whose axes are in the same plane, said fixed rollers being separated and between the movable rollers and said movable rollers yieldingly forced towards said fixed rollers, each of said pairs of fixed and movable rollers adapted to receive between them and frictionally engage the material passing from the magazine roller in the path of the sight opening of the casing, and means for rotating said movable rollers.

1,582,302. AUTOMATIC OUTLET CHECK VALVE FOR HYDRAULIC OIL-DISPENSING SYSTEMS. WILLIAM J. PETER, New York, N. Y. Filed Apr. 23, 1925. Serial No. 25,361. 3 Claims. (Cl. 221—67.)



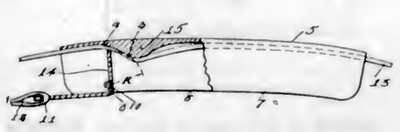
1. Discharge control valve mechanism for oil tanks comprising the combination of a valve, a float, means operated by the float for closing the valve as the float rises, other means operated by the float for closing the valve as the float sinks and a balanced support for the float preventing its sinking during normal operation.

1,582,303. ROLLER-GRATE STOKER. JAMES WILLIAM PETTERD, Caulfield, Victoria, Australia, assignor of one-half to Lancelot James Watson, Melbourne, Australia. Filed May 5, 1923. Serial No. 637,015. 1 Claim. (Cl. 110—35.)



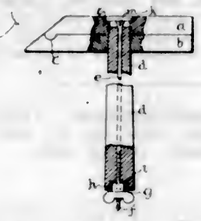
A roller grate stoker comprising a plurality of grate rolls relatively fixedly mounted with relation to each other, in combination with means for rotating said rolls, said means comprising a plurality of shafts arranged in a single plane and each provided adjacent its central portion with a small gear wheel, and adjacent each end with a larger drive wheel, whereby each shaft will carry driving means equally engaging with the ends of the grate rolls respectively, said gear wheels of all said shafts being aligned in a direction transverse of said shafts, and a drive shaft carrying driving means intermeshing with said respective gears to positively drive all of said shafts simultaneously.

1,582,304. BELT BUCKLE. B JEAN RALEIGH, Washington, D. C. Filed June 8, 1922. Serial No. 566,788. 4 Claims. (Cl. 24—191.)



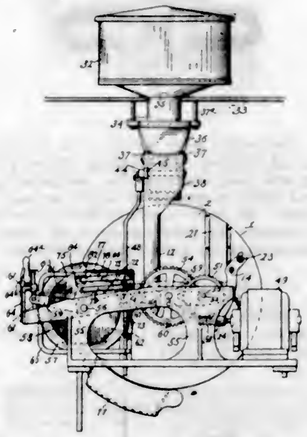
1. A belt buckle comprising a plate member and a clamping element adapted to frictionally grip a belt therebetween, said plate member having depending side flanges, said clamping element being pivotally mounted in said flanges, said plate member having on its underface an inclined wedging portion, one belt extremity being joined to said clamping element, the clamping element being adapted to swing towards and continue to approach said inclined wedging portion as tension is exerted on the belt, thereby to more tightly grip the other end of the belt therebetween.

1,582,305. HAND HAMMER. ALOIS REICHLING, Kaaden-on-the-Eger, Czechoslovakia. Filed June 11, 1925. Serial No. 36,536. 1 Claim. (Cl. 145—1.)



A hand hammer comprising a hammer head and a shaft, and detachable means for fastening said head to said shaft, said hammer head consisting of an upper and a lower member fitting one another and held together by said fastening means, and a hingelike transverse bulb-and-groove engagement between said upper and lower member at one end of said hammer head, substantially as and for the purpose set forth.

1,582,306. CORN-POPPING MACHINE. WILLIAM D. ROOT, Cleveland, Ohio, assignor to The Machinery Improvement Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 13, 1923. Serial No. 645,064. 22 Claims. (Cl. 53—3.)

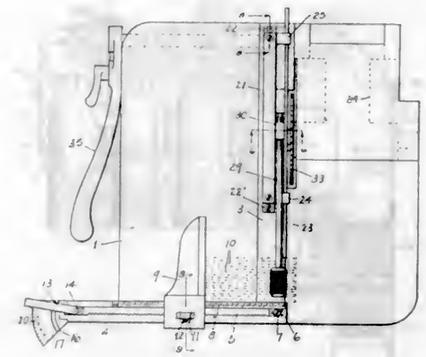


1. In a corn popping machine, a popping device having a definite cycle of operations for popping and delivering a charge of popped corn, means for driving said popping device, means operated by the driving means for delivering a charge of unpopped corn to the popping device at the beginning of each cycle of operations, a manually operable controlling device movable to on and off positions to cause the popping machine to be driven or stopped, and an auxiliary controlling device operable when said manually operated controlling device has been moved to off position to continue the operation of the popping device until the end of the cycle and to then render said driving means inoperative.

1,582,307. SAWING AND TRIMMING MACHINE. WALTER S. RUNNELS, Kalamazoo, Mich. Filed Nov. 8, 1923. Serial No. 673,624. 10 Claims. (Cl. 29—69.)

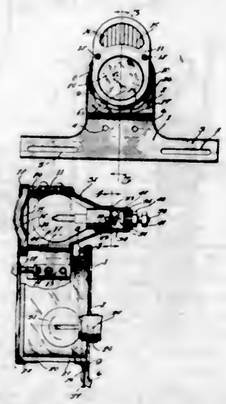
10. In a structure of the class described, the combination of a gauge comprising a rack bar mounted for longitudinal adjustment, an adjustable gauge member

provided with a dog coacting with said rack bar, said adjustable gauge member having gauge indicia operatively associated therewith, and means for longitudinally ad-



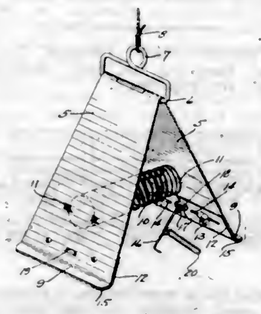
justing said rack bar comprising a cam and a lever operatively associated therewith and pivotally connected to said rack bar, said rack bar adjusting means having gauge indicia operatively associated therewith.

1,582,308. SIGNAL LAMP. CHARLES D. RYDER, Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 22, 1925. Serial No. 4,071. 1 Claim. (Cl. 177—329.)



A mounting plate, means securing said plate to an automobile, a substantially circular socket on said mounting plate, a casing provided with a circular flange adapted to be engaged in said socket, a spring split ring adapted to fit between said flange and said socket and hold said flange securely in said socket, a partition within said casing dividing it into two separate chambers, an electric light bulb mounted in said casing in one chamber, an electric light bulb mounted in said mounting plate in the other chamber, a lens secured in said first mentioned chamber, said lens supported by said partition and a glass cup surrounding the bulb in the other chamber said cup held between the casing and the mounting plate.

1,582,309. CHIMNEY CLEANER. AXEL V. SATTERBERG, Minneapolis, Minn. Filed Mar. 16, 1925. Serial No. 15,874. 3 Claims. (Cl. 15—243.)



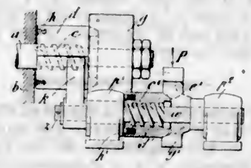
1. A chimney cleaner comprising a pair of scraper blades under spring tension to separate, and a hook attached to one of the scraper blades and adapted to be interlocked with a part on the other of said blades for holding said blades drawn together, said hook having an intermediate releasing finger that extends below the scraper blades when said blades are held drawn together by the hook.

1,582,310. HYDROGENATION OF NAPHTHALENE. GEORG SCHROETER, Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,639. 8 Claims. (Cl. 260—168.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

4. A process of hydrogenating naphthalene which comprises treating a naphthalene of commercial grade, but free from all those impurities which are capable of producing a red coloration on treatment of said naphthalene with strong sulfuric acid, with hydrogen in the presence of a hydrogenation catalyst.

7. A process of hydrogenating naphthalene which comprises the steps of removing from naphthalene, while in fluid condition, constituents capable of acting as catalyzer poisons and then subjecting the purified naphthalene, while still in fluid condition, to the action of hydrogen in the presence of a hydrogenation catalyst.

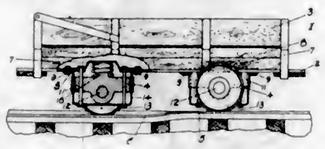
1,582,311. PINCHING CLUTCH FOR ECCENTRIC PRESSES AND SHEARS. LEOPOLD SCHULL, Vienna, Austria. Filed Dec. 11, 1920. Serial No. 430,072. 2 Claims. (Cl. 192—24.)



1. In a drive for an eccentric press or the like, the combination of a revoluble drive shaft, a driving pulley adapted to be revolved independently of said drive shaft and to be also revolved in unison with said drive shaft, said drive shaft having a portion thereof externally threaded, an internally threaded coupling box mounted on the externally threaded portion of said drive shaft, said coupling box having a portion thereof adapted to frictionally engage said driving pulley, spring means adapted to actuate said coupling box so that it normally is in frictional engagement with said driving pulley, a pawl movable toward and away from said coupling box

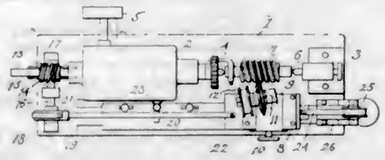
and adapted to engage said coupling box and hinder the revolution thereof, and independent braking means adapted to be set into operation by the actuation of said pawl when it is engaged with said coupling box.

1,582,312. MINING CAR. CHESTER D. SENSENICH, Irwin, Pa. Filed Aug. 19, 1925. Serial No. 51,114. 16 Claims. (Cl. 105—364.)



1. In a mine car, a metal bottom, a plurality of wheels, connecting axles, journals for the axles normally in direct contact with the car bottom, a supporting track and means for pressing each of the wheels again t the track regardless of unevenness therein.

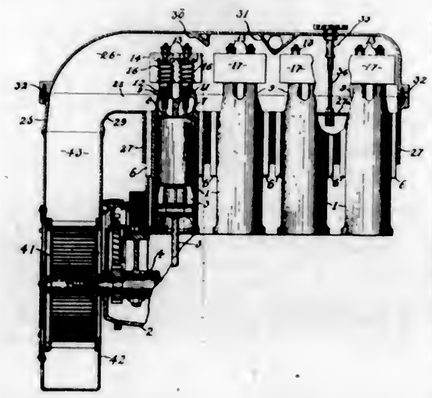
1,582,313. METHOD AND MEANS FOR CAUSING ACCURATELY PREDETERMINED RELATIVE MOVEMENTS OF A TOOL WITH RESPECT TO THE WORK. OLIVER G. SIMMONS, Cleveland, Ohio, assignor to Simmons Method Hob Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1923. Serial No. 668,275. 8 Claims. (Cl. 51—74.)



1. The method of accurately predetermining the relative linear movement of a tool carrying member with respect to a work carrying member which comprises imparting linear movement to one of the members through a flexible inextensible pull member attached to the movable member and extending therefrom in the direction of movement by causing endwise movement in a straight line of the portion of the pull member extending from the movable member by progressively bending the opposite end of the pull member at a predetermined rate into the form of a segment of a cylinder which has a fixed axis and is tangential to the straight portion of the pull member.

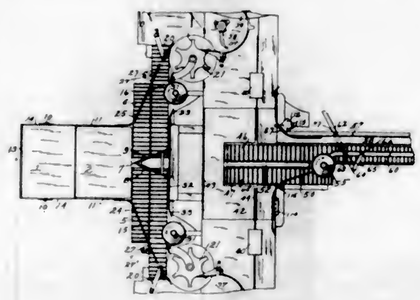
1,582,314. AIR-COOLED INTERNAL-COMBUSTION ENGINE. LOUIS M. STELLMANN and RALPH MURPHY, Syracuse, N. Y., assignors to H. H. Franklin Mfg. Company, Syracuse, N. Y., a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,470. 6 Claims. (Cl. 123—171.)

1. In an air cooled internal combustion engine, the combination of a plurality of cylinders, a centrifugal fan mounted on the front end of the crank shaft, a fan casing having a vertical outlet, and a spiral circumferential wall extending from near the periphery of the fan at one side of the outlet and diverging away from the periphery of the fan to the opposite side of the outlet, passages around the cylinders and individual thereto, an air conduit extending over the heads of the cylinders and being common to all of said passages, said passages at their tops being of greater diameter than the cylinders and opening directly through the bottom of the conduit and being open at their lower ends and the conduit being of as great width as the diameters of



the passages and communicating at its front end with the outlet of the fan, and being of the same extent in cross section as the outlet of the fan, substantially as and for the purpose described.

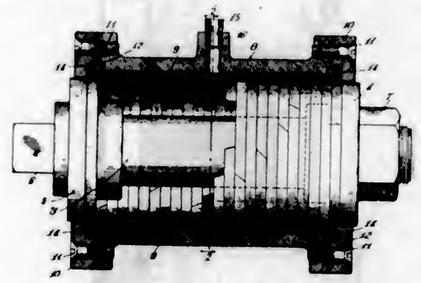
1,582,315. BOTTLE-HANDLING MACHINE. GUSTAV STRANDT, Milwaukee, Wis., assignor to Milwaukee Dairy Supply Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 12, 1920. Serial No. 423,685. 12 Claims. (Cl. 198—22.)



1. In a bottle handling machine, the combination with a bottle conveyor having a bottle passage contracted in one portion to allow but one bottle to pass at a time, and means for axially rotating the bottles as they approach said contracted portion to prevent a plurality of bottles from jamming and interfering with their movement in regular sequence through said passage.

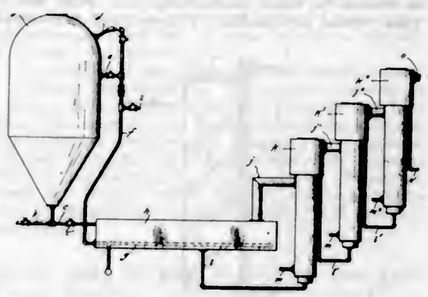
1,582,316. TOOL FOR COMPRESSING PISTON RINGS. RALPH R. TEETOR, Hagerstown, Ind., assignor to Indiana Piston Ring Company, Hagerstown, Ind., a Corporation of Indiana. Filed Apr. 12, 1924. Serial No. 706,045. 5 Claims. (Cl. 29—89.)

1. In a tool for exerting closing pressure upon piston rings, the combination with mounting means for clamping the piston rings in assembly, and a rigid cylinder, a flexible single-walled tube within the cylinder forming



an expansion chamber with the cylinder, and means for clamping the ends of the tube to the ends of the cylinder.

1,582,317. METHOD FOR ECONOMIC DISPOSAL OF WASTE SULPHITE LIQUOR IN THE MANUFACTURE OF SULPHITE PULP. ALFRED M. THOMSEN, Floriston, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a Corporation of Maine. Filed May 13, 1924. Serial No. 713,013. 3 Claims. (Cl. 44—1.)



1. In the process of manufacturing sulphite pulp, the method of effecting the economical disposal of the waste sulphite liquor, consisting in concentrating the liquor by evaporation to a syrupy consistency, and then mixing the resultant syrupy liquor with a porous readily combustible material heated to a higher degree than the liquor thereby to cause first the expansion and partial expulsion of the gas in the pores of said combustible material, and then causing a partial vacuum in said pores by bringing said liquor in contact with said material, thus inducing the saturation of said pores with said syrupy liquor.

1,582,318. COLORED GRANULATED SLAG AND METHOD OF MAKING SAME. WALTER VAN DE MARK, North Chicago, Ill., assignor to Vulcan Louisville Smelting Company, a Corporation of Illinois. Filed May 23, 1924, Serial No. 715,463. Renewed Feb. 25, 1926. 5 Claims. (Cl. 75—76.)

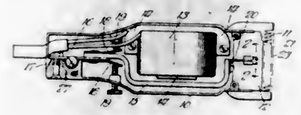
1. The process of producing a granulated material suitable for covering roofing felt, which consists in smelting the residue of brass or copper smelting furnaces mixed with a compound of calcium to reduce the iron content, and pouring the molten mass into water.

1,582,319. ARTIFICIAL PARCHMENT AND METHOD OF MAKING THE SAME. JOSEPH T. VAN DER GRACHT, Campbell, Calif. Filed Mar. 15, 1922. Serial No. 544,020. 3 Claims. (Cl. 91—68.)

1. A process of producing an artificial parchment which comprises soaking a paper in water and distributing resinous material over the surface of said paper while said paper is still wet.

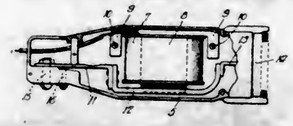
2. An artificial parchment consisting of vellum paper having its fibres imbedded in, and protected by, oil-free varnish material irregularly distributed therethrough, said artificial parchment resembling natural parchment in appearance.

1,582,320. MOVABLE-BLADE MOUNTING FOR CLIPPERS. LEO J. WAHL, Sterling, Ill. Filed Feb. 20, 1925. Serial No. 10,532. 11 Claims. (Cl. 30—1.)



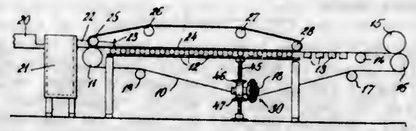
1. In a clipper, a stationary blade, a movable blade, a vibratory member, means connecting said movable blade and said vibratory member comprising a single socket and a single projection entering said socket and resilient means for holding said projection in engagement with the opposite walls of said socket, to permit said blade to tilt about an axis substantially parallel to the length of said vibratory member, said projection and socket being shaped to prevent rotation of said projection in said socket.

1,582,321. CLIPPER CONSTRUCTION. LEO J. WAHL, Sterling, Ill., assignor to Wahl Clipper Corporation, Sterling, Ill., a Corporation of Illinois. Filed Oct. 16, 1925. Serial No. 62,807. 9 Claims. (Cl. 30—1.)



1. In a clipper; a stationary toothed blade, a movable toothed blade, a vibratory member, and an electro-magnet for vibrating said member, the teeth on one of said blades being formed so as to draw said vibratory member toward said electro-magnet during vibration thereof when increased resistance to cutting action is encountered.

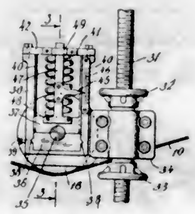
1,582,322. CONTROL OF BELT TENSION IN PAPER MACHINES. FRANCIS W. WARREN, Paris, France. Filed Apr. 30, 1925. Serial No. 26,867. 9 Claims. (Cl. 92—44.)



1. In a paper machine, an extensible and contractible belt, a roll supported thereon for applying tension thereto, journal bearings for the roll having vertical guides which allow the roll to float freely under the support

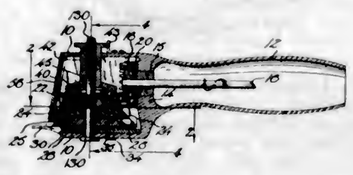
of the belt, and means associated with said guides for increasingly opposing the movement of the roll above or below this floating position in proportion to the amount of this movement.

1,582,323. TENSION-ROLL BEARING. FRANCIS WILLIAM WARREN, Paris, France. Filed Sept. 27, 1923. Serial No. 665,103. 7 Claims. (Cl. 92—44.)



1. In a paper machine, a paper-forming wire, a roll extending throughout the width of the wire and supported thereon for applying tension thereto, a journal bearing for each end of the roll, a vertical guide for each of these bearings, means associated with said guides for increasingly opposing the movement of the roll under the pressure of the wire, means for indicating the relative position of the bearings in their respective guides, and means for independently adjusting the position of said opposing means with respect to said bearings so as to equalize the tension throughout the width of the wire.

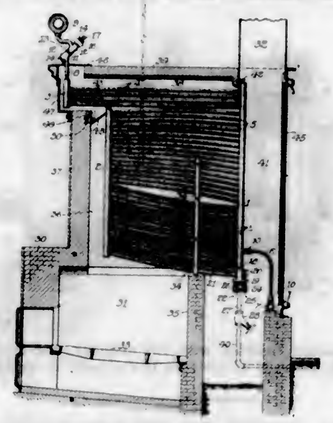
1,582,324. SHEEP-SHEARING MACHINE. WINFRED S. WHITCOMB, Laramie, Wyo. Filed Sept. 3, 1921. Serial No. 498,382. 6 Claims. (Cl. 30—1.)



1. A shearing machine comprising a comb, a rotary cutter having projecting cutting fingers to cooperate with the comb, and a block engaging the cutter and having an overhanging portion to engage the base portions of the cutting fingers.

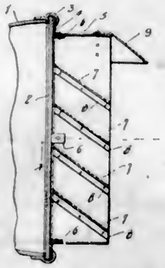
1,582,325. BOILER. WILLIAM H. WINSLOW, Chicago, Ill., assignor to Winslow Safety High-Pressure Boiler Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1914, Serial No. 859,157. Renewed Nov. 7, 1917. Serial No. 200,846. 20 Claims. (Cl. 122—295.)

1. In a boiler, a plurality of closed unitary sections adapted to be exposed on all sides to high temperature gases and each including a rear header having a continuous unobstructed passage therethrough, a front header, a plurality of tubes connecting said headers, the lowermost of said tubes for containing water and the uppermost tubes for containing steam, a third header and a plurality of substantially horizontal tubes con-



necting said first and third headers, a common mud drum connected to said first header and a common steam drum connected to said third header.

1,582,326. ANTIGLARE ATTACHMENT FOR HEADLIGHTS. JAMES F. WOOD, Kansas City, Mo., assignor to Charles K. Wood, Kansas City, Mo. Filed Feb. 7, 1924. Serial No. 691,252. 1 Claim. (Cl. 240—48.4.)

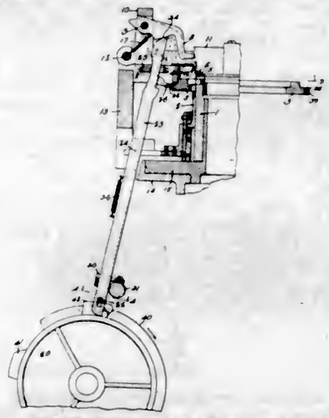


In combination, a headlight having a lens and a retaining ring therefor, a vertically disposed ring positioned against the front side of the lens with its outer edge within the retaining ring and provided at its inner edge with forwardly extending ears, a band smaller in diameter than said ring and embracing said ears and contacting with the same and with the front side of said ring, fastening elements engaging the band and ears, a plurality of downwardly inclined slats located within the band and terminally provided with flanges secured to said band, and a downwardly inclined hood attached to the top of the band and extending beyond the front thereof.

1,582,327. KNITTING MACHINE. JOSEPH H. ZENS, Milwaukee, Wis. Filed Oct. 9, 1922. Serial No. 593,231. 5 Claims. (Cl. 66—133.)

1. In a knitting machine the combination with a rotary needle cylinder provided with needles, a yarn guide movable into and out of operative position to direct splicing yarn to the needles, and a pattern drum, of a laterally swinging bar movable towards and from the needle cylinder and adapted when swung outwardly to shift the yarn guide out of operative position, an abutment mounted on and movable lengthwise of said bar, cams

of different lengths connected and rotatable with the needle cylinder in different horizontal planes and adapted by engagement with said abutment to swing and hold

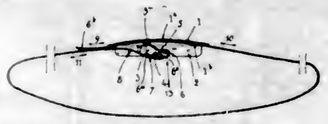


said bar outward during parts of successive revolutions of the needle cylinder, and a cam on the pattern drum adapted to shift said abutment from one of its operative positions.

1,582,328. RECOVERY OF ANTIMONY IN THE MANUFACTURE OF FLAVANTHRONE. WILLIAM A. ADAMSON, Wilmington, Del., and PAUL W. CARLETON, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 29, 1924. Serial No. 696,069. 4 Claims. (Cl. 260—42.)

1. The process of recovering from the filtrate containing antimony trichloride and nitrobenzene occurring in the manufacture of flavanthrone, the antimony in a form suitable for reuse in said manufacture of flavanthrone, which comprises distilling said filtrate so as to produce a distillate containing the major portions of the antimony trichloride and nitrobenzene as well as some chloronitrobenzene, and adding to said distillate sufficient chlorine to convert the antimony trichloride present into antimony pentachloride.

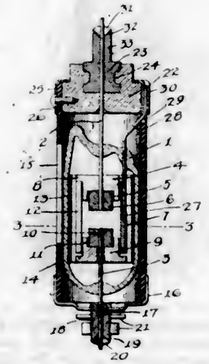
1,582,329. BELT BUCKLE. ERNEST RENÉ BAER, Paris, France. Filed Apr. 18, 1924. Serial No. 707,478. 1 Claim. (Cl. 24—19.)



A belt-buckle, comprising a plate, flanges at opposite sides of said plate, a pin extending between said flanges, a pallet pivotally mounted upon said pin, a second pin extending between said flanges, one end of said pallet projecting towards said plate, and a cross-bar at the opposite end of said pallet, one extremity of the belt being attached to said pallet by passing between said pins and around said cross-bar.

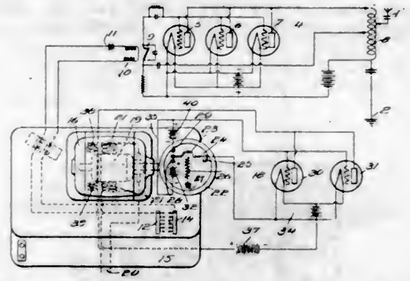
1,582,330. LIGHTNING-ARRESTER CONSTRUCTION. LEON S. BRACH, East Orange, N. J. Filed May 17, 1919. Serial No. 297,746. 8 Claims. (Cl. 175—30.)

1. In a device of the class described, the combination with an evacuated container of a plurality of electrodes mounted therein, leading-in wires extending through the walls of said container and connected with said electrodes, an insulating casing surrounding said container and provided with a head of insulating material located in one end thereof, a terminal member mounted in said head, one of the leading-in wires extending through said head and connected with said terminal member, a metallic member mounted on the end of the casing adjacent the head, one of the leading-in wires being connected with said member, and a metallic cap provided with a terminal member positioned upon the other end of said container, another of said leading-in wires being connected with said terminal member.



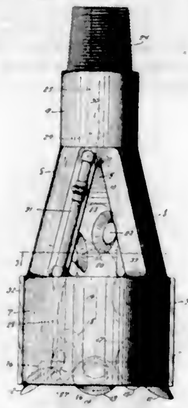
8. A lightning arrester having a vacuous container and an open-ended tubular envelop about the electrodes.

1,582,331. RADIO TELEGRAPH SYSTEM. JOHN B. BRADY, Somerset, Md., assignor to Morkrum Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 24, 1925. Serial No. 11,268. 12 Claims. (Cl. 250—8.)



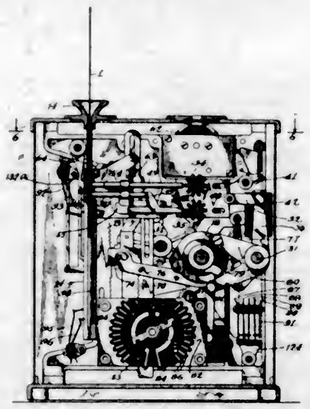
8. A system of radio communication comprising in combination means for automatically transmitting radio frequency energy in groups of impulses of energy, an electron tube circuit for maintaining the radiation of said impulses of energy at predetermined speed, a receiving apparatus having means automatically responding to said impulses of energy for printing a character represented by each particular group of impulses, rotary mechanism for driving said automatic means at both said transmitter and receiver, centrifugal means connected with said rotary mechanism, a pair of contacts, a switch arm arranged to contact with one of said contacts when said rotary mechanism is operated at required speed and make connection with said other contact when said centrifugal means is actuated, an electron tube apparatus having an input and output circuit, sources of energy of opposite polarity connected with said contacts and a circuit arrangement whereby said switch arm in making and breaking said contacts varies the polarity of said input circuit and means in said output circuit for correspondingly controlling the speed of said rotary mechanism at said transmitter and receiver.

1,582,332. ROLLER-BITS DRILLING TOOL. CARL RUSSELL BRUTUS, Denver, Colo., assignor to William V. Seifert, Denver, Colo. Filed Dec. 8, 1923. Serial No. 679,457. 27 Claims. (Cl. 255—71.)



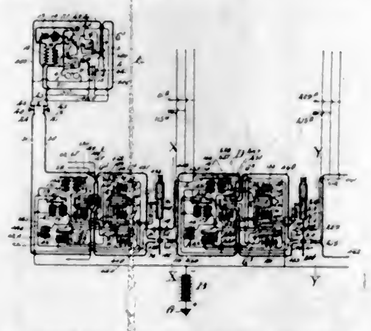
1. A drilling tool embodying means, in combination, coacting to concurrently make a constant set of annular spirally advancing spawling cuts that successively decrense in diameter, relatively to the direction of advance of said tool, the said cuts being so recedingly stepped that the peripheral portion of the core formed by an immediately preceding severance is itself annularly severed by the next immediately succeeding cut.

1,582,333. MULTIPLE TIME RECORDER. JAMES W. BAYCE, Binghamton, N. Y., assignor to The International Time Recording Company of New York, a Corporation of New York. Filed June 23, 1921. Serial No. 479,753. 11 Claims. (Cl. 234—43.)



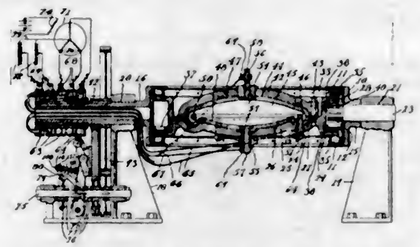
8. In a recording mechanism of the kind described, the combination of time controlled card punching mechanism, time printing wheels, an operating handle for operating the punching mechanism and setting the time type wheels, time controlled circuit controllers, circuit selectors operated by the movement of the handle, contact pins adapted to pass through registering holes in the card, circuit connectors between the circuit controllers, the pins, and the circuit selectors and electromagnets therein for determining the extent of movement of the type wheels, whereby they are set to print the elapsed time between successive punchings.

1,582,334. AUTOMATIC SWITCHING AND TELEPHONE SYSTEM. WILSON L. CAMPBELL, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 19, 1905. Serial No. 265,955. 169 Claims. (Cl. 179—18.)



1. An automatic telephone system comprising a calling subscriber's line and a called subscriber's line connected through the medium of means including a plurality of electrically-propelled and step-by-step switching machines, one of said machines having a "release-magnet" and suitable mechanism whereby said magnet is operative to effect a restoration of the machine to its normal condition, another of said machines having a similiar "release-magnet" controlled by a "release-relay", and the first mentioned "release-magnet" having an energizing circuit which is open during conversation between the subscribers, and which includes a winding of said relay, the resistance of the said "release-magnet" thus included in series with the "release-relay" being greater than that of the latter.

1,582,335. APPARATUS FOR MOLDING AND ANNEALING GLASS. WALTER G. CLARK, New York, N. Y. Filed May 11, 1920. Serial No. 380,466. 16 Claims. (Cl. 49—1.)

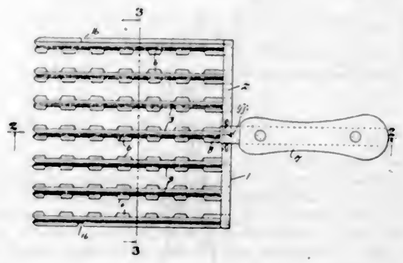


1. In combination, an annular frame rotatable on its own diameter and provided with inwardly pointing edge flanges forming an interior channel way around the frame; a combined mold and furnace body portion disposed within said frame and provided with a pair of peripheral supporting flanges together forming an outwardly opening channel; supporting rings disposed between said supporting flanges respectively and the adjacent edge flanges of the frame; rollers rotatably mounted on said rings radial thereto and engaging said flanges for rotatably supporting the body portion against movement in the direction of its axis; a series of rollers mounted on one supporting flange and engaging the frame to hold the body portion rotatably mounted coaxial with the frame; a lid portion forming with said body portion a disk shaped chamber; and means for rotating the body portion as the frame is rotated.

1,582,336. PROCESS OF PRODUCING PAPER PULP. EDDIE LAMBERT and WALTER E. MATTHEWS, Baltic, Conn. Filed Aug. 26, 1922. Serial No. 584,571. 1 Claim. (Cl. 92—13.)

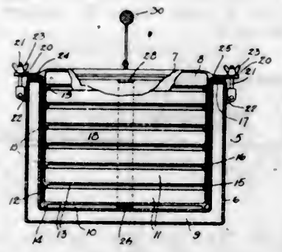
The process of treating wood stock for the preparation of paper pulp which comprises comminuting the stock, boiling the same for a period of approximately one hour in a solution of one pound of caustic potash in sufficient water to cover approximately one hundred pounds of the stock, washing the stock to remove the dirt, and regrinding the cleansed stock.

1,582,337. COMBINATION FORK AND TRAY. ANDREW E. LINDSTROM, San Francisco, Calif., assignor to Kasser Egg Process Company, San Francisco, Calif., a Corporation of California. Filed Apr. 8, 1925. Serial No. 21,644. 3 Claims. (Cl. 65—36.)



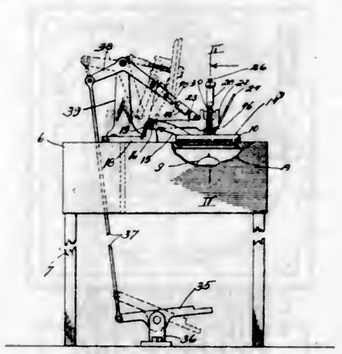
1. A combination fork and tray for handling eggs or the like comprising a transverse bar having parallel prongs extending therefrom, the prongs being formed with lateral projections made to allow the fork to be slipped under a plurality of pre-arranged eggs and to form individual seats for the eggs when the device is lifted.

1,582,338. DINNER PAIL. JULIUS PEREZ LÓPEZ and WILLIAM L. WARD, Los Angeles, Calif. Filed Sept. 8, 1924. Serial No. 736,541. 2 Claims. (Cl. 206—4.)



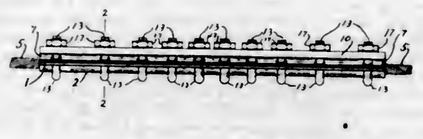
1. A dinner pail comprising mating sections, a yieldable gasket interposed between the sections, means for drawing the sections together to cause their impingement with the gasket, and identical trays interposed between the sections and arranged one above another and coacting with said sections so that, in drawing the sections together the spaces between the respective trays will be hermetically sealed, the gasket serving to permit the trays to compensate themselves to adjustments of the sections.

1,582,339. AUTOMATIC PHOTOPRINTING AND NUMBERING DEVICE. BENJAMIN F. MIKESELL and HARRY F. GILLIAM, Kansas City, Mo. Filed Apr. 4, 1921. Serial No. 458,179. 4 Claims. (Cl. 95—73.)



2. A photo printing apparatus comprising a framework having a light chamber provided with a transparent printing surface, a cover member movable into and out of cooperative relation to said printing surface, said cover member having a central opening, and an independently supported numbering device operating through said opening to mark a number on the photo print, means for actuating said numbering device into engagement with the photo print, and means actuated by said means for simultaneously moving said cover member into photo printing position.

1,582,340. CABLE CLAMP. WINFORD GLADSTONE MILNE, Hamilton, Ontario, Canada, assignor to The N. Slater Company, Limited, Hamilton, Canada. Filed Dec. 16, 1925. Serial No. 75,866. 8 Claims. (Cl. 24—135.)

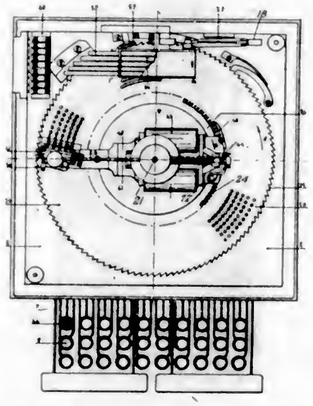


1. In a cable clamp of the class described, the combination with a cable, of a clamp therefor comprising, a bottom plate the central portion which is depressed to form a longitudinal cable receiving depression, a keeper plate above the bottom plate and cable, opposed side plates interposed between the bottom plate and keeper plate and each formed with an arcuate portion engaging a portion of the cable periphery, and means coacting between the bottom plate and keeper plate for forcing the side plates towards the bottom plate to grip the cable between the bottom plate and the arcuate portions of the side plates.

1,582,341. BALL-TRANSMITTING APPARATUS. GIOVANNI MINIOTTI, Turin, Italy. Filed July 6, 1922. Serial No. 573,107. 18 Claims. (Cl. 178—17.5.)

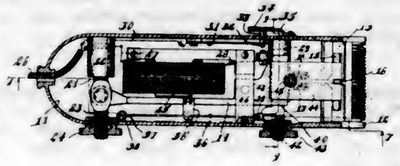
1. In apparatus for transmitting signals, a plurality of balls, means to feed in a sequence a number of said balls corresponding to the elements of the signalling code in a combination zone, means operated by the

key levers to expel from said zone the balls not pertaining to the signal corresponding to the operated key lever, electric signal transmitting means, and means



to move the balls not expelled and representing the selected signal in to operative relation to signal transmitting means.

1,582,342. HAIR CLIPPER. GEORGE W. MOORE, Chicago, Ill. Filed June 15, 1925. Serial No. 37,007. 9 Claims. (Cl. 30—1.)



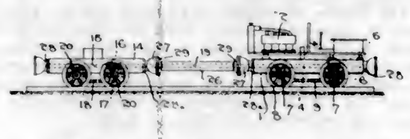
1. A hair clipper comprising a stationary and a reciprocating blade; an electro-magnet and circuit for operating the same; an armature pivotally mounted adjacent said magnet and operatively connected with said reciprocating blade; means for adjusting the pivotal mounting of said armature relatively to said magnet; a flat leaf spring secured at both ends adjacent said armature and connected centrally therewith; and means for adjusting one end of said spring toward and away from said armature, substantially as described.

1,582,343. METHOD OF MANUFACTURING MOLD POWDER. KONRAD MÜLLER, Luneburg, Germany, assignor to the Firm B. Roos & Co., Berlin, Germany. Filed Nov. 21, 1924. Serial No. 751,413. 10 Claims. (Cl. 22—189.)

1. The method of producing a mold-powder, consisting in grinding unglazed fire clay muffle-pieces and mixing the powder obtained with wax at a temperature which is only a little higher than the fusing temperature of the wax, substantially as set forth.

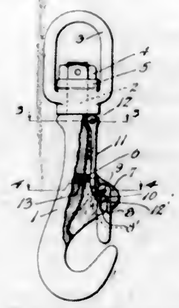
1,582,344. COUPLING FOR USE BETWEEN TRUCKS AND THE LIKE. HOWARD NATTRASS, Wellington, New Zealand. Filed Nov. 19, 1925. Serial No. 70,151. 3 Claims. (Cl. 105—3.)

2. A coupling for the purpose set forth, comprising a section of shaft and universal joints, drivably connecting two shafts of separate vehicles; a tubular distance member enclosing said section of shaft, hollow fittings on said vehicles for receiving the ends of the vehicle shafts, and inter engaging parts spherical portions on said tubular



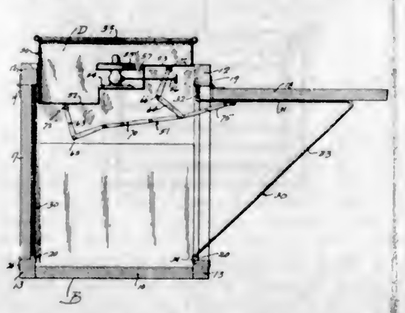
member, and said hollow fittings adapted to be secured together, to provide housings for said universal joints, substantially as described.

1,582,345. SAFETY HOOK. WALTER A. O'BANNON, Tulsa, Okla. Filed Dec. 12, 1925. Serial No. 75,051. 10 Claims. (Cl. 24—233.)



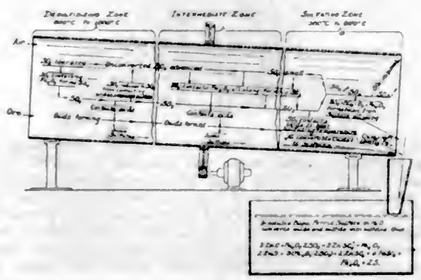
1. A safety device of the class described comprising a hook body, a latch member suspended across the entrance of the hook, and actuating means pivotally mounted at one end above the latch in the shank portion of the hook and operatively engaging the latch at its other end, said actuating means being operable in the direction of and as an incident to the application of pressure to the hook for hooking off movement of the same.

1,582,346. COMBINATION STOVE, TABLE, AND SUPPLY CABINET. MATTHEW C. OSTER, Roy, Mont. Filed June 25, 1923. Serial No. 647,686. 6 Claims. (Cl. 126—37.)



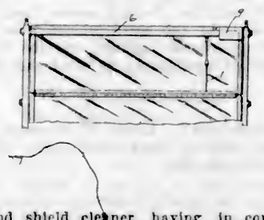
1. A cabinet of the class described comprising a body portion, straps carried by the body portion, and legs having a plurality of brackets supported thereon for detachable connection with the straps of the body portion, whereby the body portion may be supported at various elevations by said legs.

1,582,347. SULPHATING PROCESS FOR ORES AND CONCENTRATES. JOHN BURNS READ, St. Louis, Mo., and MELVILLE F. COOLBAUGH, Golden, Colo., assignors to The Complex Ores Recoveries Company, Denver, Colo., a Corporation of Colorado. Filed Nov. 26, 1919. Serial No. 340,888. 25 Claims. (Cl. 75—18.)



1. A process of sulphating the non-ferrous metal content of sulphide ores, which comprises treating the ores continuously, by continuously advancing the ores, roasting the ores while carrying the temperature of the ores at least as high as the decomposition temperature of copper sulphate to convert the sulphides of the ores principally into oxids, moving the liberated gases in contact with the ores, in the same direction as the ores being treated throughout the process, and subjecting the oxidized material during movement and in the presence of the gases produced in the roasting to a temperature sufficient to form sulphates from the non-ferrous metal content of the ore.

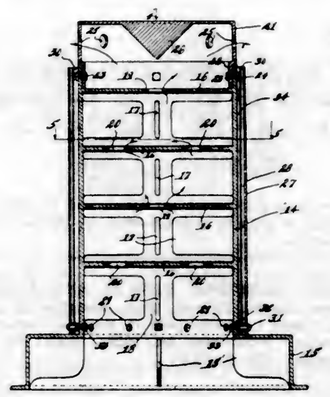
1,582,348. WINDSHIELD CLEANER. FRANK A. REINHARD, Wakefield, Mass., assignor to Utility Manufacturing and Sales Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1924. Serial No. 707,729. 12 Claims. (Cl. 15—253.)



1. A wind shield cleaner, having, in combination, a wiper, means for reciprocating the wiper comprising a rotary screw shaft, and means for supporting the shaft substantially throughout its length.

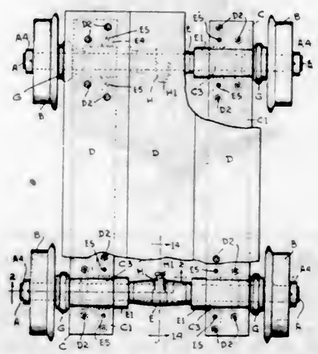
1,582,349. FUEL-SAVING DEVICE. NELSON J. RUSSELL, Chicago, Ill. Filed Mar. 19, 1925. Serial No. 16,590. 7 Claims. (Cl. 110—75.)

1. A fuel saving device for a furnace, comprising means for mounting the device on the furnace grate and including a conduit and a casing of greater heat resisting material than said conduit mounted about said conduit and providing space therearound adapted to receive a non condnuctor of heat, said conduit having openings adjacent its lower end for admitting air to said space,



and said casing providing an outlet opening at its top and acting as a protection for said conduit and said non conductor.

1,582,350. MINE CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Sept. 11, 1924. Serial No. 737,155. 22 Claims. (Cl. 295—42.)

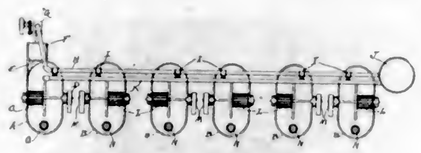


2. In a railway car, the combination with an axle and a wheel and an axle box surrounding the axle, of a pedestal flange having a notch through which the axle extends, a collar surrounding the axle and having a neck in said notch and said collar being enlarged at each side of said flange whereby said collar is held against endwise movement on the axle, and said neck being shaped to engage the pedestal flange to prevent turning of the collar on the axle, substantially as described.

1,582,351. PROCESS FOR PRODUCING PAPER PULP FROM RAW STOCK. CHARLES W. SHARTLE, Middletown, Ohio. Filed July 12, 1920. Serial No. 395,530. 3 Claims. (Cl. 92—20.)

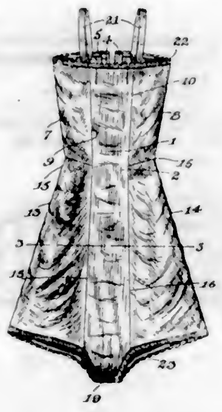
1. The herein described process of making paper pulp consisting in reducing raw stock to a partial state of re-

duction, in conveying the stock so reduced through a course having a return of excess stock to the source of first reduction, in withdrawing portions of the stock so



conveyed into a series of quantities, and in reducing said quantities of pulp to finished state by further processes of reduction.

1,582,352. COMBINED STEP-IN AND BRASSIÈRE. JOSEPH SIEGEL, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed May 18, 1925. Serial No. 31,001. 3 Claims. (Cl. 2—73.)

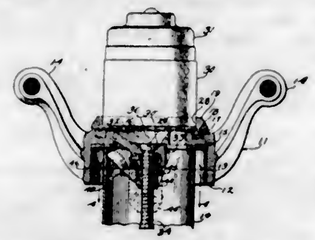


1. A combination "step-in" and brassière comprising a front and rear panel, both of these panels tapering slightly to the waist line and then presenting straight line edges throughout their length, the brassière portion comprising two folded pieces having their edges secured respectively to the front and rear panels, and the lower portion of the garment comprising two pieces of material which are folded and also have their edges respectively secured to the front and rear panels, these lower pieces tapering at the waist where they are attached to the brassière top, and the "step-in" portion adapted to flare at its sides, the rear panel being divided in its upper portion and fastening means being secured to the adjacent edges of the divided portion.

1,582,353. MAGNETIC ALLOY. WILLOUGHBY STATHAM SMITH, Benchams, and NEWTON POPPLEFORD and HENRY JOSEPH GARNETT, Seven Oaks, England. Original application filed Jan. 10, 1924, Serial No. 685,432. Divided and this application filed May 2, 1925. Serial No. 27,593. 7 Claims. (Cl. 75—1.)

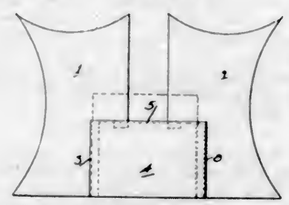
1. An alloy comprising nickel to the amount of at least 71%, iron to the amount of between 19% and 21% and copper to the amount of between 5% and 6%.

1,582,354. RADIATOR-LOCKING CAP. ALFRED L. SOHM, Chicago, Ill. Filed May 18, 1925. Serial No. 31,153. 6 Claims. (Cl. 220—24.)



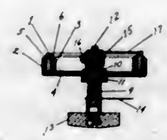
1. A device of the character described comprising a cap having an open lower end adapted to receive the upper end of the filling spout of an automobile radiator, a sleeve arranged in said cap and movable parallel to the axis thereof, a plurality of gripping members pivotally connected at their inner ends to said sleeve, means for turning the free ends of said members outwardly into engagement with the filling spout when said sleeve is moved, an axial screw engaging said sleeve and rotatable in one direction to effect movement of said sleeve, and means for preventing reverse rotation of said screw.

1,582,355. PACKAGE-DISPLAY EASEL. ALEXANDER BROOKS STEVENS, Oakland, Calif., assignor to Schmidt Lithograph Company, San Francisco, Calif., a Corporation of California. Filed May 27, 1924. Serial No. 716,218. 1 Claim. (Cl. 211—24.)



A display easel comprising a paper stock blank cut and scored to produce a plurality of panels and tabs, two of said panels lying in substantially the same plane at the back of the object shelf, when the easel is set up for use, the shelf having slots to receive tabs on the display panels and the display panels having slots to receive the edges of the shelf, whereby the shelf and panels are firmly secured together, and the shelf is supported by vertical members at its front and at its opposite ends.

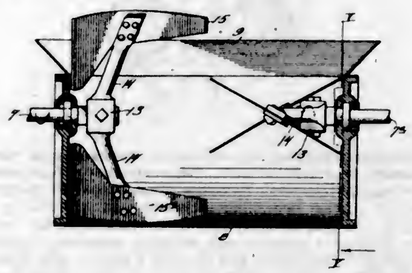
1,582,356. RHEOSTAT. ERWIN R. STOEKLE, Milwaukee, Wis. Filed May 5, 1924. Serial No. 711,178. 10 Claims. (Cl. 201—55.)



3. An electrical resistance device comprising a cylindrical cup shaped member; a resistor circularly disposed about the inner circumference of said member; suitable terminals for said resistor; a second cylindrical member adapted to fit tightly within said resistor; means for insulating said resistor from said members said means

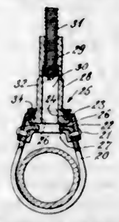
comprising insulating surfaces of slightly yielding character adjacent said resistor; means for drawing and holding said inner member tightly within said resistor whereby a radial compression is exerted upon said resistor and the wire elements thereof are partially embedded in and firmly held by said insulating surfaces.

1,582,357. MORTAR-MIXING MACHINE. OLIVER C. TALBOT and ANDREW FLOOD, Kansas City, Mo. Filed Nov. 17, 1924. Serial No. 750,403. 2 Claims. (Cl. 83—73.)



1. A mixing machine, comprising a cylindrical container having an opening at the top, a pair of alined shafts projecting slightly through the end walls of the container axially of the cylindrical body thereof, means for simultaneously rotating said shafts in opposite directions, and blades carried by the shafts and extending longitudinally from a point midway the length of the body portion to the end walls respectively and rounded at their peripheral edges to scrape the interior of the body portion, and provided with inward projections at their outer ends for scraping the inner sides of the end walls, the said blades standing at angles to respectively force material in the container, toward the center thereof, and one set of blades being disposed opposite the spaces between the blades of the other set.

1,582,358. PIPE HANGER. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed Oct. 20, 1922. Serial No. 595,730. 11 Claims. (Cl. 248—31.)



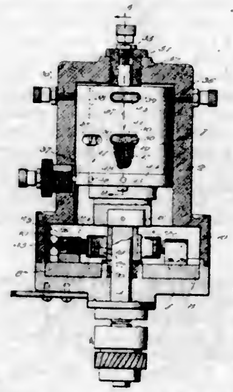
10. A pipe hanger comprising a carrier, a saddle member secured thereto, a sleeve swiveled in said saddle member and having a portion of non-circular section above said member and means having an opening of corresponding section mounted on said sleeve and having portions engageable with the saddle member to secure the sleeve against rotation relative to said saddle member, said means being movable to a position in which the portions thereof are out of engagement with the saddle member, thereby permitting rotation of the sleeve.

1,582,359. TRIMMING DEVICE. WILLIAM H. TROWBRIDGE, Passaic, N. J. Filed Oct. 4, 1921. Serial No. 505,229. 3 Claims. (Cl. 30—11.)

1. A trimming device comprising a substantially flat casing made of two plates of arcuate form, the casing having an open end, a shaft passing into the casing, a knife secured at its centre on the shaft and fitting between the plates so as to clear the space between them when inside the casing and to perform its cutting operation when it swings free of the casing, the blade being

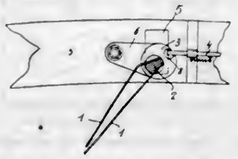
of rhomboid form with its ends sharpened to form cutting edges parallel to lines tangential to the shaft and to the open end of the casing, a motor on the casing, and a handle projecting from the casing opposite its open end.

1,582,360. CONVERTIBLE SINGLE AND DOUBLE IGNITION DEVICE. WILLIAM F. WAGNER, Ambridge, Pa. Filed Oct. 16, 1924. Serial No. 744,089. 8 Claims. (Cl. 200—21.)



7. A distributor convertible for single ignition on a multiple cylinder motor or for dual ignition on a motor having half as many cylinders, said distributor comprising a shell, at least two circumferential series of current outlet contacts carried by said shell, a rotor within the shell having brushes cooperable with said series of said contacts respectively, and means permitting relative adjustment of said brushes for contact engagement either simultaneously or successively.

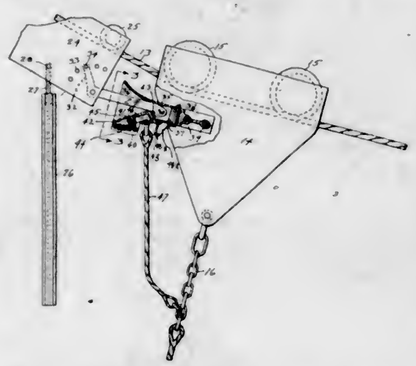
1,582,361. BEARING FOR THE BLADES OF WIND OR WATER WHEELS. KARL HERMANN PAUL WELSCH, Hamburg, Germany. Filed June 22, 1925. Serial No. 38,873. 3 Claims. (Cl. 170—16.)



1. A bearing for the shafts of the blades of a wind or a water wheel having its blades parallel to the axis of the wheel, comprising, a wheel rim, an arm pivoted

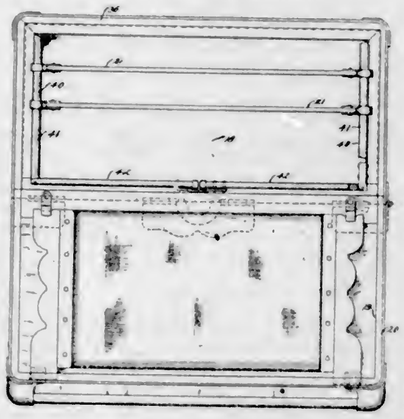
to the rim, a blade shaft journalled in the free end of the arm, a locking member on the shaft, a latch for cooperating with the locking member, the arm and locking member being movable as a toggle joint when the locking member is engaged by the latch.

1,582,362. CARRIAGE HOLDER AND RELEASING MECHANISM. MAXWELL A. WEST, Portland, Oreg., assignor of one-half to Ada M. Quenin, Portland, Oreg. Filed Feb. 25, 1925. Serial No. 11,470. 9 Claims. (Cl. 212—98.)



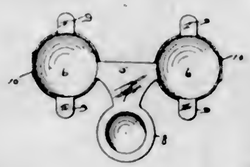
1. The combination of a holding carriage; a latch adjustably mounted on said carriage; yielding means for holding said carriage in an upright position; a lock-holding member having a funnel-shaped mouth adapted to guide said latch to said lock, said lock-holder forming a part of a logging carriage; and means for withdrawing said lock by the first portion of a pull on the haulback line after the load has been removed from said carriage.

1,582,363. WARDROBE TRUNK. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a Corporation of Wisconsin. Original application filed July 19, 1919, Serial No. 311,925. Divided and this application filed Jan. 18, 1924. Serial No. 687,057. 2 Claims. (Cl. 211—15.)



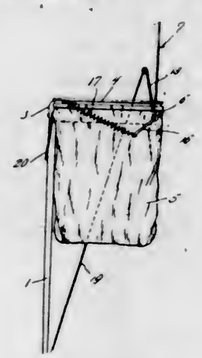
1. A garment hanger bracket for trunks comprising a channelled supporting element adapted to be mounted in embracing relation about the marginal edge-portions of the open end of the body-section of a trunk, and means extending from said supporting element for the suspension therefrom of garment hangers.

1,582,364. EYES FOR DOLLS AND THE LIKE. WALTER J. WISCH, Baltimore, Md. Filed Aug. 30, 1924. Serial No. 735,088. 1 Claim. (Cl. 46—40.)



An eye structure for doll heads, comprising a blank stamped to provide a pair of spaced connected members forming spherical eye members, the terminal of the connecting portion depending therefrom and constituting a weight carrying member, stop lugs struck from the blank and forming a part of said spherical members, bearings struck from said blank and forming a part of said spherical members, and a shaft mounted in said bearing members of the blank whereby the latter may be secured in a doll head.

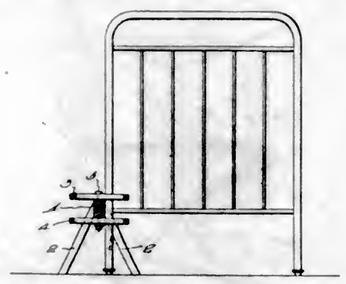
1,582,365. FRUIT GATHERER. ALVIN C. WOLKEN, Le Grand, Iowa. Filed Nov. 20, 1924. Serial No. 751,037. 1 Claim. (Cl. 56—333.)



In a fruit gatherer, a four sided frame, a pole fixed to one side of the frame, a U-shaped member having its ends disposed outwardly and journaled through the sides of the frame extending from the side to which is attached the pole, a crank formed on one end of the U-shaped member, a spring attached to the crank and to the frame for normally holding the U-shaped member in a raised position, a crank formed on the other end of the U-shaped member, and a cable attached to the end of the last mentioned crank so that said cable may be pulled to swing the crank and the U-shaped member down into the frame toward the side thereof fixed to the pole.

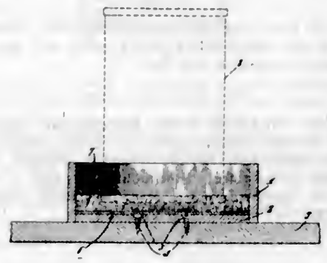
1,582,366. BEDSTEAD-DISPLAY RACK. SAMUEL W. WOMACK, Wichita Falls, Tex. Filed Jan. 8, 1925. Serial No. 1,227. 3 Claims. (Cl. 211—14.)

1. A bedstead exhibitor comprising a main bar having means for supporting it in a horizontal position, a plurality of short transverse horizontal bars spaced apart longitudinally of said main bar and each projecting laterally in opposite directions therefrom to engage said sections at opposite sides of said main bar, said transverse bars being disposed in two vertically spaced sets on the upper and lower faces of the main bar, the bars of one



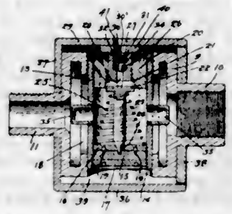
set being in vertical alinement with those of the other set, and a common means connecting each vertically alined pair of transverse bars to said main bar.

1,582,367. CLEANER. RALPH JOHN ARMSTRONG, Monett, Mo. Filed June 24, 1925. Serial No. 39,295. 1 Claim. (Cl. 15—104.)



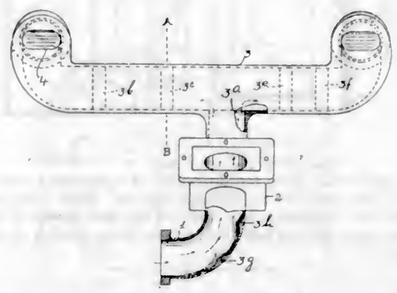
A cleaner for the purpose set forth comprising a shallow open top receptacle, and a cleaning element mounted on the upper face of the bottom of said receptacle and of less height than the height of the latter, said receptacle being polygonal in contour and said element conforming in contour to the shape of the receptacle.

1,582,368. LUBRICATOR FOR FLUID-ACTUATED APPARATUS. JOHN W. ARNOLD, San Francisco, Calif. Filed Oct. 12, 1925. Serial No. 62,168. 5 Claims. (Cl. 184—55.)



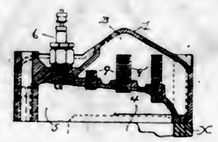
1. A lubricator comprising a casing, a fluid connection leading into the casing, a container having a chamber communicating therewith for delivering oil in position to be entrained by fluid supplied by the connection and an inlet passage through which lubricant is supplied to the container, a valve member disposed within the container having opposite end portions adapted for controlling communication between the container and chamber and passage through the inlet opening, said valve member being bodily movable in one direction to cut off communication between the container and chamber and to open the inlet passage.

1,582,369. FUEL-VAPOR CONDUCTOR FOR INTERNAL-EXPLOSION ENGINES. IRVING E. ASKE, Duluth, Minn. Filed Aug. 26, 1922. Serial No. 584,449. 1 Claim. (Cl. 48—180.)



A conductor for fuel vapor comprising a tube having a segmental transversely directed rib formed upon the inner face of the tube wall, said rib being reduced in depth from its center toward both ends, said rib being thicker at its attached edge than at its free edge and extending only part of the distance around said tube.

1,582,370. CYLINDER FOR INTERNAL-COMBUSTION ENGINES. IRVING E. ASKE, Duluth, Minn. Filed Nov. 10, 1924. Serial No. 748,996. 1 Claim. (Cl. 123—173.)

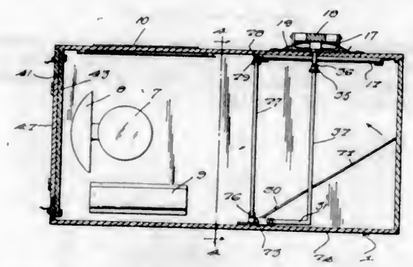


A cylinder containing a combustion chamber, a fuel intake and valve chamber communicating with said combustion chamber, a piston for compressing the fuel in said combustion chamber, a cooling fluid chamber separated from said combustion chamber, and plugs extending at one end into said combustion chamber and at the other end into said cooling fluid chamber.

1,582,371. PHOTOPRINTING MACHINE. RICHARD BASRALIAN, West Hoboken, N. J. Filed June 6, 1925. Serial No. 35,487. 3 Claims. (Cl. 95—73.)

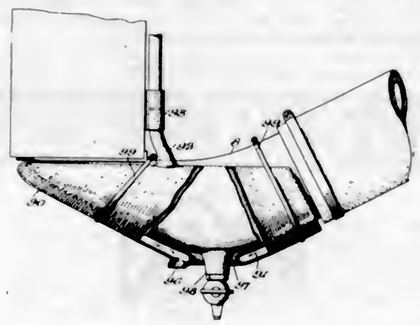
1. A device of the class described comprising a housing having an open upper end, a cover hingedly connected to said housing and adapted to close the open end thereof, one end portion of said cover being provided with an opening, a glass plate mounted on the under face of the cover over said opening, adapted to form a print holder, backing plate hingedly connected to the cover and adapted to fit in said opening therein, a hand lever pivotally connected to the cover, having resilient means thereon for engaging said backing plate in the movement thereof toward the cover, for holding said plate in said opening, a rack member for locking the hand lever in one position adjacent the cover for retaining the backing plate to the opening, a partition wall pivotally mounted in the central portion of the casing normally retained in a transverse

position within the housing to divide the same into a pair of compartments, a lamp mounted in the casing and projecting into one of said compartments for providing a source of light within the housing, and means operable



by said hand lever for operating said partition wall to move the same to an inclined position under said glass plate for reflecting the light from said lamp toward said glass plate when the hand lever is latched to said cover.

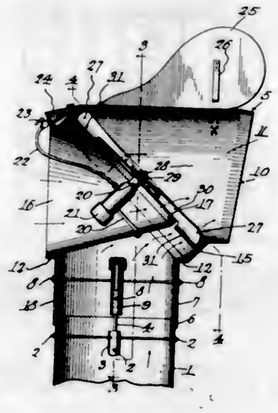
1,582,372. THAWING DEVICE FOR AUTOMOBILES. RICHARD BATTLE, Okmulgee, Okla. Filed Dec. 13, 1924. Serial No. 755,805. 3 Claims. (Cl. 137—72.)



1. A thawing device for use on automobile radiator outlet pipes comprising an elongated nest shaped body having a pocket to snugly receive the outlet pipe of the radiator whereby the body may be applied to an automobile radiator outlet pipe without disconnecting the pipe, said body consisting of inner and outer spaced walls defining a steam chamber extending about the sides and bottom of the outlet pipe, and an inlet connected to the upper portion of said body and adapted for connection with the overflow pipe of the radiator, the lowest point in said body being provided with a steam outlet.

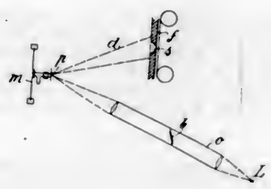
1,582,373. FAN SUCTION VENTILATOR. DANIEL BECK, Okmulgee, Okla. Filed Aug. 18, 1924. Serial No. 732,860. 3 Claims. (Cl. 98—7.)

1. In a device of the class described, a flue, a cowl comprising a head located about at right angles to the axis of the flue, the head including axially offset parts and a drum joining said parts, the axis of the drum being located at an acute angle to the axis of the head and to the axis of the flue, and a sleeve connected to one of said parts of the head and cooperating with the flue; means for supporting the cowl for rotation with respect to the flue; a conical inlet member in one end of the head; and a wind wheel supported for rotation in the drum, the wheel comprising blades including shanks extended across the inner end of the inlet member, and circumferentially inclined arms located outward-



ly of the inner end of the inlet member, whereby air entering the inlet member will actuate the wind wheel to produce suction in the flue.

1,582,374. SYSTEM FOR RECORDING ACOUSTIC AND OTHER OSCILLATIONS. SVEN OSCAR FREDRIK A. SON BERGLUND, Berlin, Germany, assignor to Aktiebolaget Filmfotofon, Stockholm, Sweden, a Corporation of Sweden. Filed Nov. 15, 1923. Serial No. 674,932. 5 Claims. (Cl. 274—5.)

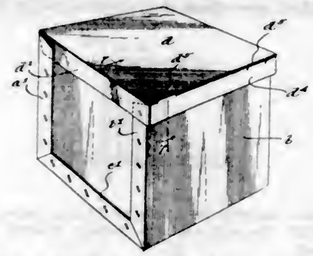


1. A system for recording acoustic and other oscillations, comprising a mirror adapted to be vibrated in accordance with the oscillations, a partition having an opening for the passage of rays of light therethrough, means to move a sensitized surface across said opening at the side away from said mirror, a shutter, and means to throw an image of said shutter over the mirror on said partition at the part of the opening thereof, the configuration of said shutter being such that the effect of its image on the sensitized surface is reduced in case of oscillations of large amplitudes as compared to the effect produced in case of oscillations of small amplitudes.

1,582,375. CRACKER CADDY. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Feb. 21, 1925. Serial No. 10,780. 5 Claims. (Cl. 229—45.)

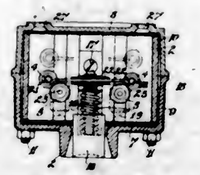
1. A caddy or other box, comprising a body member of paper board having at its top a flap which is arranged to turn back and provided with a slit, and a lid of

paper board having a double foldable flap provided with a tab, the said lid arranged to be fastened to the body



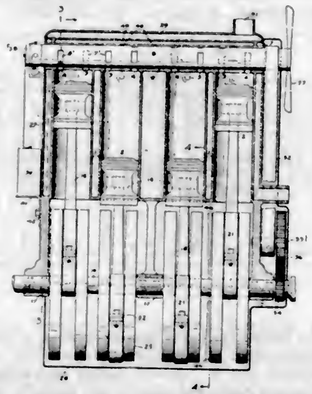
of the box by folding the double flap over the turned back top flap and passing the tab through the tab slit in such body member flap.

1,582,376. SWITCH FOR ELECTRIC CIRCUITS. VICTOR BREEZE, Brighton, England. Filed June 1, 1922. Serial No. 565,177. 6 Claims. (Cl. 200—159.)



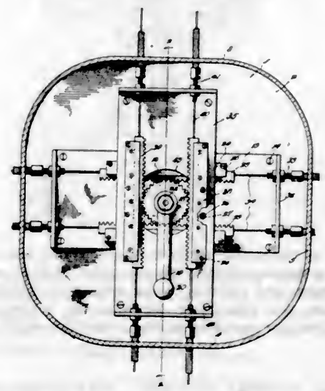
3. An electric circuit switch having in combination, a laterally divided casing consisting of two tubular portions each open at one end and closed at the other and both detachably connected together with their open end in contact, movable contacts operatively mounted on the sides of an open ended section of a tube of insulating material, associated circuit terminals leading to the contacts, loose plates of insulating material fitting against the open ends of the section and detachably held thereon in the casing by the two portions.

1,582,377. INTERNAL-COMBUSTION ENGINE. MARTIN A. BROADBERE and JOHN W. COSTELLO, Crescent City, Calif., assignors, by direct and mesne assignments, of one-fourth to F. H. Matthew, Sacramento, Calif., and one-fourth to Jennie V. Matthew, Venice, Calif. Filed Oct. 2, 1923. Serial No. 666,168. 3 Claims. (Cl. 123—190.)



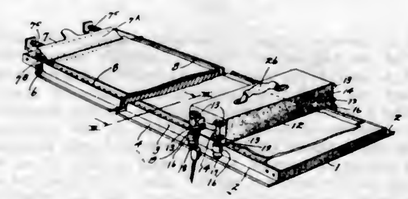
1. In an internal combustion engine, a cylinder having a piston reciprocating therein, a straight drive shaft, an operative connection between the piston and the shaft for transmitting rotary motion to the latter, an overhead rotary valve for the engine and means for lubricating the valve comprising an oil receptacle under the drive shaft, a dipper rotating with the shaft feeding the oil into an internal portion of the shaft and means for conveying the oil to the valve.

1,582,378. MANUALLY-OPERABLE CONTROL UNIT. ADOLPH C. BRUECKMANN, Baltimore, Md. Filed July 22, 1925. Serial No. 45,361. 2 Claims. (Cl. 74—89.)



1. In a control mechanism, a casing, a support therein, a gear mounted on said support to rotate about a fixed axis, pairs of rack bars in different planes and meshing with the said gear, the rack bars of each pair being in the same plane, and upon opposite sides of the said gear, guides on the support for the several rack bars, flexible connections extending from opposite ends of the rack bars and passing loosely through the support and casing, and guide means between the support and casing for the flexible connections.

1,582,379. ROLLER IRON. ELLIOTT D. CAMPBELL, San Francisco, Calif. Filed Sept. 24, 1924. Serial No. 739,635. 5 Claims. (Cl. 68—9.)

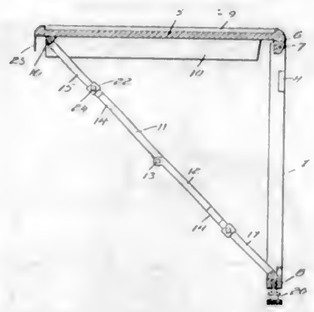


1. In combination, an ironing board having flanges extending from the lower lateral edges thereof, an iron substantially coextensive in length with the width of the board having vertical pins slidably associated with the ends thereof adapted to ride on the flange and yielding means associated with the pins tending to lift the iron off the board.

1,582,380. FOLDING TABLE. HERBERT W. CARPENTER and RONALD V. LIGON, Byers, Tex. Filed June 18, 1925. Serial No. 38,010. 2 Claims. (Cl. 45—51.)

1. A folding table for automobiles comprising a substantially U-shaped frame adapted to be secured to the back of the front seat of an automobile, a table top hinged at its upper edge to the upper ends of the arms of the U-shaped frame, said table top adapted to fit against the frame when in its downward inoperative

position, and bracing means for supporting the table top in its raised level position, the same comprising a pair of flat bar members hingedly secured together at their inner adjacent ends, a pair of slotted arms secured at their outer ends to the free portion of the table top and



the base of the substantially U-shaped frame respectively, reduced extensions formed on the outer ends of said flat bar members and slidable in the respective slotted arms, and means for adjustably securing the reduced extensions of the bar members in the respective slotted arms.

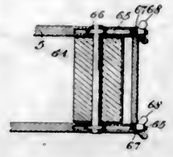
1,582,381. CAMERA SUPPORT. MIKE CITERO, Chicago, Ill. Filed June 30, 1924. Serial No. 723,332. 2 Claims. (Cl. 248—30.)

1. A camera support comprising an attaching stem having one end portion extended angularly and provided with a shoulder, a nut threaded on said angularly extended end portion adjacent said shoulder, a bracket having a lower horizontal bifurcated portion straddling the angularly extending end portion of said attaching stem and confined between said nut and said shoulder, said nut being adapted to hold said bracket in an adjusted position about a vertical axis, a disk mounted on the upper portion of said bracket, and an attaching device extending through the upper portion of said bracket and said disk and adapted for engaging a camera at a point spaced from one end thereof, the camera being adjustable in its connection with said disk and said bracket.

1,582,382. HALF-MOON-ROLL-MAKING MACHINE. MEYER COLLIS, Charleston, S. C. Filed Apr. 19, 1924. Serial No. 707,718. 13 Claims. (Cl. 107—9.)

2. A machine for the purpose described comprising a dough hopper, an adjoining flour bin, a perforated tube situated in the bin, an air pump in connection with said tube, a plurality of rollers through which the dough passes to be flattened, and means for both driving the rollers and operating the pump to produce blasts of air at said tube to discharge quantities of flour for dusting the rollers.

13. A machine for the purpose described including means for forming a dough blank into a roll, a slightly inclined tray upon which the completed roll is discharged,

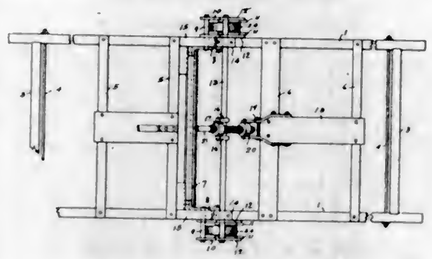


and blocks mounted on the tray having curved portions with which the roll contacts thereby shaping it into a half moon.

1,582,383. SAFETY GUARD FOR EARRINGS. KATHRYN M. CONNALLY, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 620,044. 1 Claim. (Cl. 63—14.)

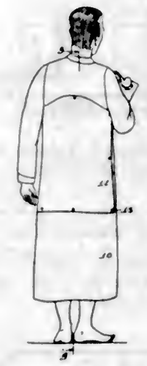
A device of the type described comprising a U-shaped body portion, an ornament carried by one arm of said U-shaped member, a manually-actuated screw carried by the other arm, an ear-engaging member disposed at the inner end of said screw, a pendant slidably disposed on said U-shaped arm and carrying an ornament, and means removably and slidably secured to said U-shaped member for connecting the device to the ear, said means comprising a hook-shaped member for removably engaging with the ear, an eyelet clasp removably disposed upon said U-shaped member and being adapted to slide therealong, and a chain connecting said clasp to said hook-shaped member.

1,582,384. LAND LEVELER AND ROAD MAINTAINER. JAMES H. CORBITT, Houston, Tex. Filed Aug. 28, 1925. Serial No. 53,088. 6 Claims. (Cl. 37—150.)



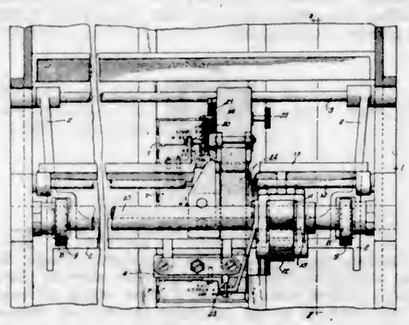
1. A land leveler including spaced runners, a transverse scraper blade mounted to rotate between the runners, ground wheels, and a common means operatively connected with said blade and wheels and operable to simultaneously rotate the blade and shift said wheels relative to the runners to bring said blade and wheels alternately into and out of contact with the ground surface.

1,582,385. GARMENT. HENRY CLEMENT DAUPHINAIS, Fargo, N. Dak. Filed Mar. 7, 1921, Serial No. 450,135. Renewed Oct. 12, 1925. 3 Claims. (Cl. 2—114.)



2. A sleeping garment comprising a front and a back and adapted to cover the body portion of the wearer, the back provided with a permanent yoke portion covering the shoulder blades of the wearer, said back having a cut out portion extending from said yoke from approximately the line of the armpits of the wearer to appreciably below the waist line of the wearer, and a flap permanently secured to the back along one side of the opening and adapted for detachable connection with the back along the other sides of the opening, whereby to temporarily cover and uncover the cut out portion.

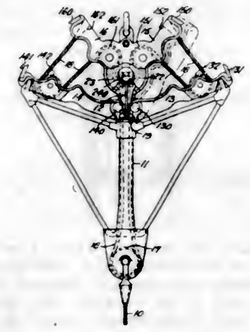
1,582,386. ADDRESSING MACHINE. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1924. Serial No. 707,860. 12 Claims. (Cl. 101—47.)



1. In a device of the character described, a platen, a ribbon carried thereby, a common means to operate said platen and to feed said ribbon, and an additional means for feeding said ribbon.

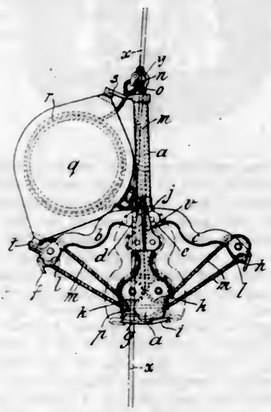
2. In a device of the character described, a printing device having type thereon, means to print said type on a sheet, a designating character on said device, and additional means to print said character upon said sheet.

1,582,387. SUBMARINE WEAPON FOR USE AGAINST VESSELS EQUIPPED WITH PARAVANES OR THE LIKE. GIOVANNI EMANUELE ELIA, Rome, Italy, assignor of one-half to Dallyn Lucas, London, England. Filed Sept. 30, 1925. Serial No. 59,680. 3 Claims. (Cl. 102—3.)



1. A submarine mine having a mooring rope, a gripping and cutting device secured thereto and comprising means for engaging a paravane tow line, means thereafter moved to grip the tow line, and means to cut the tow line to free the same from the paravane.

1,582,388. MINE-SWEEPING APPARATUS. GIOVANNI EMANUELE ELIA, Rome, Italy, assignor of one-half to Dallyn Lucas, London, England. Filed Sept. 30, 1925. Serial No. 59,681. 4 Claims. (Cl. 114—235.)

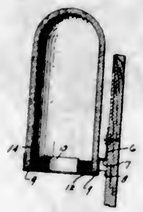


1. A device for use in mine sweeping, comprising a central member, a float associated therewith, a hook adapted to engage the mooring rope of a mine, means for gripping said rope, and means for cutting said rope.

1,582,389. ANTISEPTIC TOOTHBRUSH HOLDER. ARTHUR E. ENGLAND, Rockaway Beach, N. Y. Filed Dec. 3, 1924. Serial No. 753,566. 1 Claim. (Cl. 248—63.)

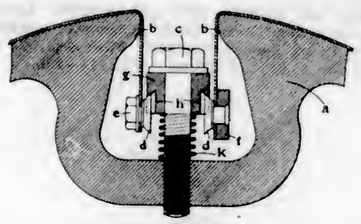
In a receptacle for a tooth brush, a tubular container open at one end and closed at the other, a bracket having a shelf provided with an annular stepped flange adapted to grip about the container at the open end and having a ledge to engage underneath the wall thereof to support the container, the wall of said container pro-

vided with slots and the flange provided with lugs engaged therein to lock the container in place, an independent annular carrier for an antiseptic ring removably supported within said stepped flange having a portion received underneath the end of the container to be held in place thereby and extending inwardly from the wall



of the container and provided with an upright axial annular ledge for the insertion of a tooth brush, and an absorbent antiseptic ring removably disposed between said ledge and the wall of the container, said ledge adapted to support a tooth brush inserted within the container whereby the brush bristles will extend over and be supported above the absorbent ring about the ledge.

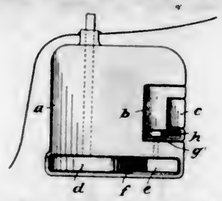
1,582,396. PRINTING MACHINE. ARTHUR BURROUGHES EVANS, Leeds, England. Filed Jan. 18, 1923. Serial No. 613,409. 3 Claims. (Cl. 101—415.1.)



1. In printing machines, means for mounting a flexible peripheral member such as a plate, upon a cylinder having a longitudinal gap, comprising in combination, elements within the said gap, carried at the respective inwardly diverted ends of the said flexible peripheral member, the said elements protruding respectively from the ends of the said flexible peripheral member at the inner face and in oppositely disposed positions within the said gap, and tensioning means for the said flexible peripheral member disposed between the said respective elements, and adjustable in a plane passing approximately through the axis of the cylinder, said tensioning means comprising studs carried upon the cylinder within the said gap in a radial position and an engaging member mounted upon the said studs, the said engaging member and the same elements being adapted to engage by contact only at a position above the said elements, without positive connection and being adapted also to disengage on the outward movement of the said engaging member, substantially as described.

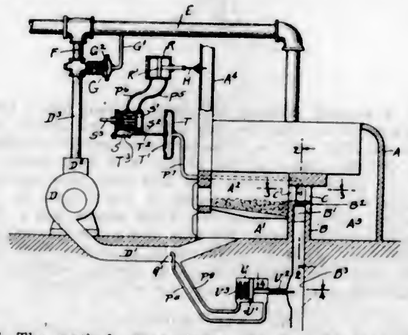
1,582,391. GOVERNING OF SURFACES MOVING WITHIN A NONRIGID MEDIUM. ANTON FLETTNER, Berlin, Germany. Filed Feb. 3, 1922. Serial No. 533,830. 6 Claims. (Cl. 114—163.)

1. A device of the kind described comprising in combination, a main surface adapted to be acted upon by the current-pressure of a non-rigid medium, a plurality of auxiliary surfaces connected in series with said main surface and a member coordinated to each surface (with the only exception of the last auxiliary surface, counting from the main surface) and capable



of being turned relatively thereto, said member being adapted to govern the direction of turning of its coordinated surface.

1,582,392. FURNACE REGULATION. GEORGE H. GIBSON, Upper Montclair, N. J. Original application filed May 25, 1918, Serial No. 236,450. Divided and this application filed June 20, 1925. Serial No. 38,446. 6 Claims. (Cl. 236—14.)



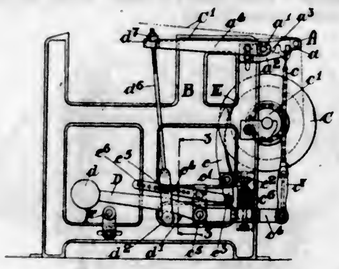
4. The method of regulating the flow of gas under pressure through a passageway which consists in controlling a constriction in the passageway for the gas and in maintaining a substantially constant differential in pressure at the point of constriction.

1,582,393. LOCK COMBINATION. LEE D. GIBSON, Dallas, Tex. Filed Dec. 21, 1925. Serial No. 76,764. 6 Claims. (Cl. 70—46.)

1. A lock including a casing; a slotted cylinder disposed within the casing, a longitudinally movable plunger having spaced slots therein; a minor casing surrounding said plunger having apertures therein and disposed adjacent said cylinder; a spiral key having fingers, the latter arranged to successively enter said apertures in the minor casing to engage successively within the spaced slots to actuate the plunger, when the key is rotated.

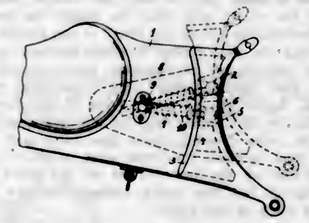
1,582,394. WEIGHTING MOTION. WILLIAM GLEDHILL, Barkisland, near Halifax, England. Filed Nov. 8, 1924. Serial No. 748,688. 3 Claims. (Cl. 139—107.)

1. In a loom weighting motion, the combination with a warp beam, of flexible connections wound on the necks of the warp beam, pivoted arms connected to the upper ends of the flexible connections, a whip roller carried by pivoted arms, an arm arranged in rigid connection with such arms, a pivotally mounted weighted



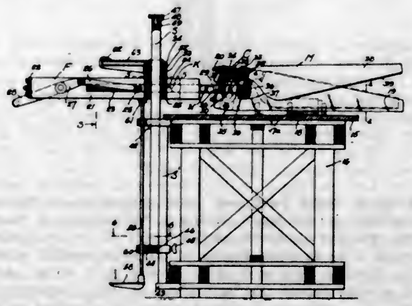
arm, a connection between the weighted arm and the arm last mentioned, and means for automatically moving said connection to decrease the leverage exerted by the weighted arm on the whip roller as the beam decreases in diameter.

1,582,395. BUTT CAP FOR GUNS, ESPECIALLY FOR SHORT RIFLES. RUDOLF HAEMMERLI, Lenzburg, Switzerland. Filed Sept. 29, 1923. Serial No. 665,691. 3 Claims. (Cl 42—71.)



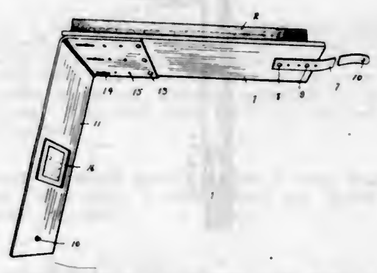
1. A butt cap for guns, especially for short rifles comprising in combination a butt having a cavity forwardly extending from its rear end, a cross bolt rotatably mounted in said cavity and forming a nut, a screw bolt screwed into said cross bolt and connected with said butt cap so that said screw bolt oscillates when said cap is displaced with regards to the butt.

1,582,306. MITERING MACHINE. FRANK HANEMANN, Los Angeles, Calif. Filed Apr. 5, 1924. Serial No. 704,481. 8 Claims. (Cl. 143—7.)



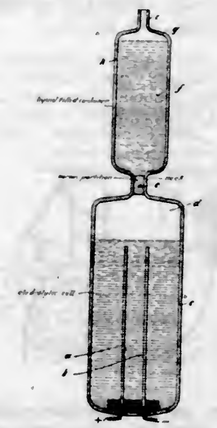
1. A mitering machine comprising a vertically adjustable standard, a cross arm rotatable on the standard, a frame mounted for vertical adjustment on the standard and rotatable thereon irrespective of its vertical adjustment, contractile springs connecting the cross arm to the frame for urging the latter upwardly to a definite position on the standard, means for moving the frame downwardly on the standard against the action of said springs, a saw carriage mounted for reciprocating movement on the frame and adjustable therewith, and mechanism on the frame for reciprocating the saw carriage.

1,582,397. MANUSCRIPT CASE. RUTH M. HANSEN, Duluth, Minn. Filed Aug. 24, 1925. Serial No. 51,942. 2 Claims. (Cl. 129—25.)



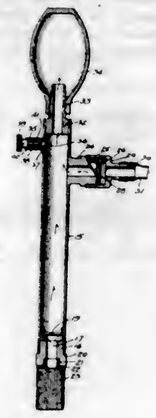
1. The combination with a manuscript case of the character described composed of a rigid body member and a flexible cover member overlapping one end of the body member there being a plurality of holes in the overlapped ends of the members registrable with each other, manuscript leaves having holes therein registrable with holes in the cover and body members, a row of removable fastening means in registering holes for uniting the members together with the manuscript leaves, and a second series of removable fasteners in other registering holes to hold in place against the rigid member the overlapping end of the flexible member.

1,582,398. SAFETY DEVICE FOR GAS-FILLED SPACES. PAUL HAUSMEISTER, Goppingen, Germany. Filed July 27, 1925. Serial No. 46,301. 3 Claims. (Cl. 204—5.)



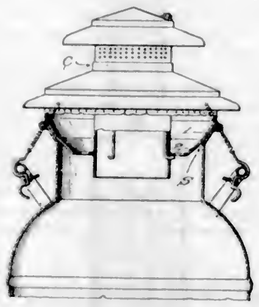
1. Safety device for gas filled spaces comprising a porous partition arranged in the path of the flowing gas, and a liquid column above said partition.

1,582,399. SIPHON PUMP. VICTOR W. HELANDER, San Pedro, Calif. Filed Nov. 2, 1925. Serial No. 66,407. 2 Claims. (Cl. 137—20.)



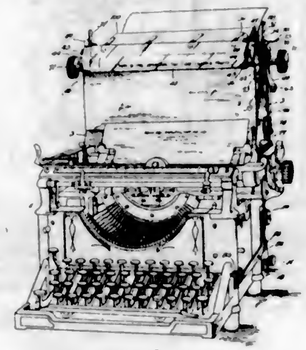
2. A siphon pump comprising a barrel, a plug in the lower end of the barrel having a bore constituting a liquid inlet for the barrel, a flap valve normally closing the inlet and opening inwardly, a cage secured to the plug for defining the open position of the valve, an outlet nozzle extending laterally from the barrel and having an inclined seat, a flap valve normally engaging the nozzle seat normally closing the outlet nozzle and opening outwardly, a cage secured to the nozzle for defining the open position of the said valve, a tubular extension on the barrel provided with an air inlet port, a plunger valve disposed in the extension for controlling said port and normally urged to closed position, a plug in the upper end of the barrel having a bore communicating therewith, an extension on the plug, and a manually operable element connected to the plug extension for creating a negative pressure in the barrel.

1,582,400. VENTILATED CAN COVER. JULIUS HEUSSER, Clear Lake, Wis. Filed Apr. 23, 1925. Serial No. 25,407. 1 Claim. (Cl. 220—1.)



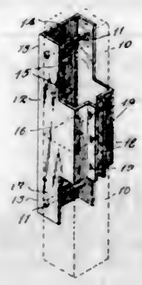
A ventilated cover having a continuous external seat, said seat having upper and lower bevels at two distinct angles, one bevel being adapted to rest tightly on a widely flared milk or cream can neck, the other bevel being adapted for similar engagement with a less widely flared neck.

1,582,401. COPYHOLDER FOR TYPEWRITERS. GEORGE C. HOHEIN, Clarendon, Va., assignor, by direct and mesne assignments, to The Phoenix Manufacturing Company, Inc., Alexandria, Va., a Corporation of Virginia. Filed June 27, 1925. Serial No. 40,054. 13 Claims. (Cl. 120—30.)



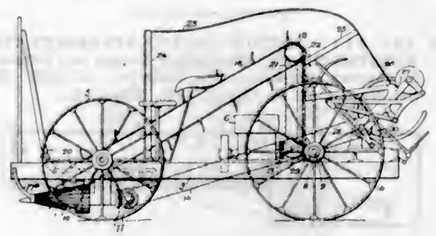
1. In a copyholder, the combination of a housing, a feed roller mounted in the upper end of said housing, means for holding copy to said feed roller whereby rotation of the roller will feed the copy, the copy being visible immediately above the front of the housing, means for rotating the feed roller, brackets secured to the upper front corners of the housing, rests carried by said brackets and having stop lugs projecting forwardly therefrom, hooks at the lower ends of the rests, yieldable hooks at the upper ends of the rests, and a lens having its ends bearing upon the rests and abutting the stop lugs thereon, the lower edge of the lens resting in the hooks at the lower ends of the rests and the upper edge of the lens being engaged by the hooks at the upper ends of the rests.

1,582,402. SCAFFOLD CONSTRUCTION. MARTIN F. HONAN, Bayonne, N. J. Filed Apr. 29, 1924. Serial No. 709,834. 1 Claim. (Cl. 304—40.)



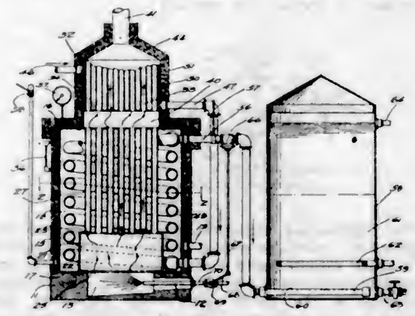
A sheet metal joint and cross connection anchorage comprising a back plate having a multiplicity of transverse slots therein spaced longitudinally of the anchorage, integral sides at right angles to the back, medial extensions integral with said sides having their outer parts bent inward before the back plate to form therewith a sleeve, the extremities of said extensions stopping short of each other, clamping means coengaged between said extremities, and cross members having tongues insertable alternatively in said slots.

1,582,403. COTTON-STALK PULLER AND BINDER. JAMES A. HUNTER, Memphis, Tenn. Filed Sept. 24, 1923. Serial No. 664,430. 1 Claim. (Cl. 56—66.)



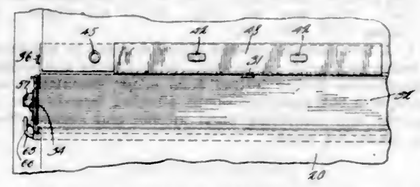
In a cotton stalk harvester the combination with a vehicle having rollers for pulling the cotton stalks and means for bundling the same; of a conveyor for carrying the stalks from said rollers to the bundling means, compressing means for the stalks cooperable with the conveyor, and gearing for operating the conveyor, said compressing means comprising a curved sheet metal plate located over the conveyor and arranged to provide a large mouth at the receiving end of the conveyor and a gradually narrowing throat towards the delivery end thereof, and supporting brackets for the sheet metal plate at said mouth and said throat, substantially as set forth.

1,582,404. DEHYDRATOR FOR PETROLEUM EMULSIONS. EDWIN F. HUBST, Bren, Calif. Filed Sept. 27, 1924. Serial No. 740,229. 3 Claims. (Cl. 196—5.)



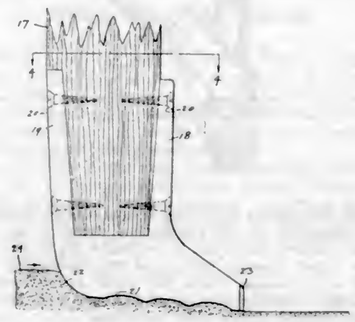
2. In an apparatus of the class described, the combination of: walls forming a treating chamber; walls forming a preheating chamber, said preheating chamber being situated above said treating chamber; a fire box situated in the lower portion of said treating chamber; fire tubes within said treating chamber, said fire tubes extending from the top of said fire box to the top of said treating chamber; tubes extending through said preheating chamber, said tubes being in communication with said fire tubes; a burner for producing heat, the products of combustion of said burner passing through said fire box, said fire tubes and said tubes, heating said treating chamber and said preheating chamber; a liquid in said treating chamber, said liquid being heated by said products of combustion; piping for introducing emulsion into said preheating chamber where it is preheated; a treating coil located in said treating chamber; and piping for conducting said emulsion from said preheating chamber to said treating coil.

1,582,405. LOOSE-LEAF BINDER. HENRY B. JENNINGS, Jr., Long Island, Va. Filed July 14, 1924. Serial No. 726,015. 9 Claims. (Cl. 129—23.)



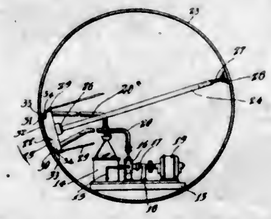
1. In a loose leaf binder, the combination with a main binder, of an auxiliary binder, said auxiliary binder including leaf engaging hooks, slidable means carried by the main binder for supporting the hooks, a cover for the hooks, means for hingedly connecting the cover to the main binder and means for locking the cover in closed position.

1,582,406. TAMPER FOOT. GEORGE F. KEIL, Eugene, Oreg. Filed Sept. 8, 1925. Serial No. 54,900. 5 Claims. (Cl. 25—37.)



1. A tamper foot for concrete pipe machines having means for attaching same to a tamper stick; an undercut front heel member; and a downwardly sloping rearwardly projecting toe member.

1,582,407. APPARATUS FOR HYDROCARBON-OIL-CRACKING OPERATIONS. KENNETH V. KING, Berkeley, Calif., assignor to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed May 6, 1925. Serial No. 28,359. 3 Claims. (Cl. 206—2.)

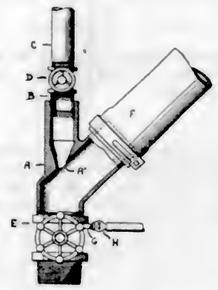


1. A container, receptacle, or the like for a hydrocarbon oil cracking operation having a hydrocarbon contacting surface electrolytically plated with chromium to render the container, receptacle, or the like resistant to the action of corrosive agents produced by the cracking operation.

1,582,408. PROCESS FOR THE PRODUCTION OF BUTYL ALCOHOL AND ACETONE. DAVID A. LEGG, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Mar. 30, 1925. Serial No. 19,498. 13 Claims. (Cl. 260—135.)

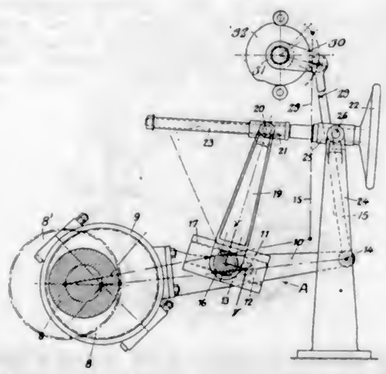
1. A fermentation process which consists in preparing a mash containing protein-free carbohydrates and soluble nitrogeneous matter derived from maize, inoculating the mash with butyl-acetonic bacilli, allowing fermentation to proceed, and recovering butyl alcohol and acetone from the fermented mash.

1,582,409. INOCULATING DEVICE. DAVID A. LEGG, Terre Haute, Ind., and CLARENCE W. HANCOCK, Peoria, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed July 6, 1925. Serial No. 41,672. 2 Claims. (Cl. 23—252.)



1. An inoculating device comprising a main inoculating valve subjacent to an inoculating chamber, an orifice in said chamber positioned to impinge a jet of live steam on the upper internal surface of the inoculating valve, a side neck through which the steam escapes and into which the inoculant fluid is poured, and a drain to remove condensed steam from the device.

1,582,410. TWIN COMPOUND MARINE STEAM ENGINE. HUGO LENTZ, Mauer, near Vienna, Austria. Filed Sept. 29, 1920. Serial No. 413,656. 3 Claims. (Cl. 121—169.)

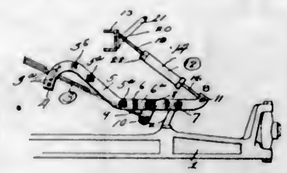


1. In a marine-steam-engine comprising in combination two units each of one compound engine, a lay shaft for each unit, a reversing gear for both units situated at the middle of the two units, one eccentric at each side of the reversing gear, rods for connecting said eccentrics with the lay shaft of each unit adapted to operate said lay shaft, and cams on each lay shaft for operating the valves in each of the compound engines.

1,582,411. METHOD OF AND APPARATUS FOR WORKING MINES. WILLIAM H. LESSER and RUSSELL L. SUENDER, Frackville, Pa. Filed Feb. 18, 1925. Serial No. 10,108. 2 Claims. (Cl. 198—218.)

1. A coal mining device comprising an extensible trough including a plurality of detachably connected sections and a pivoted forward section arranged to extend the length of a coal seam face, a base plate arranged exteriorly of the room containing the seam face, adjustable posts carried by the base plate engaging the roof of the mine, means carried by certain of the posts for adjustably supporting the forward end of the pivoted section of the conveyor, guide rollers carried by said means, a drum carried upon the base plate, means for rotating the drum, a conveyor comprising a belt consisting solely of a single run arranged in the trough and trained over the guide rollers and adapted to be wound upon said drum, for moving the belt over the guide rollers in one direction and means for returning the belt to its normal position.

1,582,412. SHOCK ABSORBER. JOHN B. LYONS, Norphlet, Ark. Filed Feb. 27, 1925. Serial No. 11,994. 1 Claim. (Cl. 267—17.)

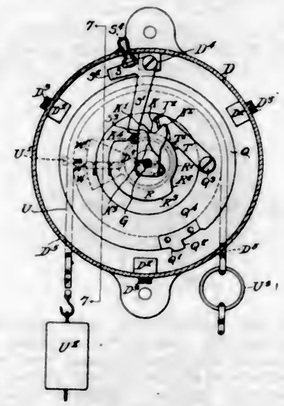


The combination with a spring perch, a spring arm adjacent the inner side of said perch, an automobile body, of a shock absorber, said shock absorber comprising substantially horizontally disposed registering arms pivotally connected to the perch, downwardly extending links pivoted to the registering arms and pivotally connected to the spring end, the inner ends of the registering arms terminating in upwardly, inwardly and downwardly registering members at opposite sides of the spring end, a plurality of spaced bolts connecting said members together and adapted to engage successively the upper side of the spring end, said registering arms extending outwardly beyond the perch, and a spring device connecting the outer ends of the arms and the automobile body.

1,582,413. DAMPER-ACTUATING MECHANISM FOR FURNACES. BERT MCCLELLAND, Sellersville, Pa. Filed June 26, 1922. Serial No. 570,818. 3 Claims. (Cl. 110—55.)

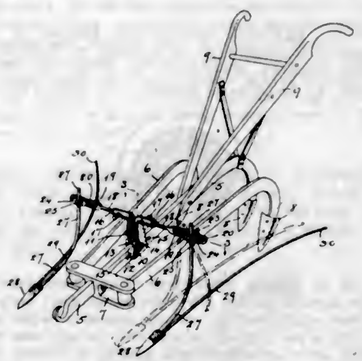
1. Mechanism for shifting the dampers of a furnace which regulate the draft of air through the fuel bed comprising a sheave to which connection to the dampers can be secured, a time escapement having a main shaft and driving spring, a latch mechanism engaged when the sheave is in normal position of rest whereby the

rotation of the sheave rotates the main shaft and winds the spring of the time escapement, a cam for disconnecting the latch mechanism when the sheave has moved through a determined arc, a latch for holding the



sheave in fixed position after it has moved through a determined arc and a latch releasing finger actuated by the time escapement whereby the sheave is released after a determined time.

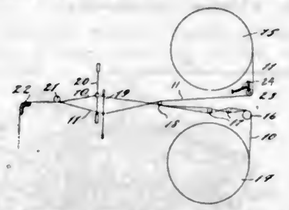
1,582,414. VINE-TURNER ATTACHMENT FOR CULTIVATORS. JOHN B. MCCREADY, Parksley, Va. Filed Apr. 7, 1925. Serial No. 21,266. 2 Claims. (Cl. 97—192.)



1. The combination with a cultivator having a bar, of bracket-plates secured to opposite sides of said bar and each bracket having a laterally-projecting tubular arm, a horizontal rod carried by each tubular arm and each rod being provided with a slotted outer end, an eye-bolt clamp device carried in the slot of each rod and vine-turned rods sustained from the eye bolts.

1,582,415. METHOD OF WEAVING. FRED B. MANLEY, Paterson, N. J., assignor, by mesne assignments, to Textiles Development Corporation, New York, N. Y., a Corporation of Delaware. Filed June 30, 1922. Serial No. 571,850. 7 Claims. (Cl. 139—415.)

4. The method of weaving a fabric of the class described comprising the formation of a shed between the main warp threads and the supplemental warp threads, inserting a filling thread in the shed and beating it up, reversing the warp threads in the shed and simultaneously relieveing the tension on the supplemental warp



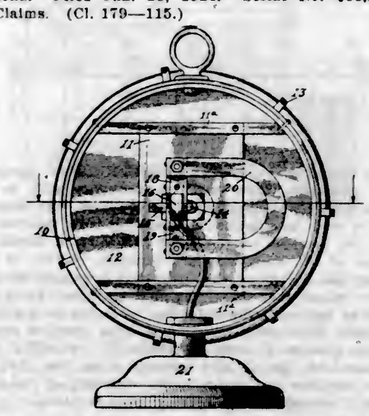
threads, inserting a second filling thread in the shed, beating it up and taking up the cloth the space of two picks.

1,582,416. COATED FABRIC AND METHOD OF MAKING SAME. JESSE H. MASON, Roselle, N. J., assignor to Duratex Corporation, Newark, N. J., a Corporation of New Jersey. Filed Apr. 14, 1920, Serial No. 373,956. Renewed Oct. 6, 1925. 22 Claims. (Cl. 91—70.)

1. The process of making coated fabrics comprising applying a base coat of rubber composition to a suitable backing, forming elevations and depressions in the base coat, and depositing a coating carrying coloring matter in the depressions of the base coat while leaving the elevations substantially uncoated.

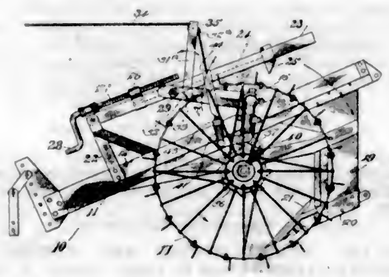
13. A coated fabric comprising a suitable backing, a base coat of rubber composition carried thereby and having depressions formed therein, a coating carrying suitable coloring matter deposited in said depressions only, and a transparent top coat, all of said coatings being vulcanized.

1,582,417. LOUD-SPEAKING RECEIVER. HERBERT E. METCALF, San Leandro, Calif., assignor to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Jan. 28, 1924. Serial No. 688,907. 2 Claims. (Cl. 179—115.)



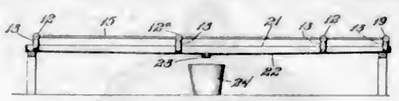
1. A loud-speaking receiver comprising a base, a drum of relatively large diameter fixed thereon on a horizontal axis, a diaphragm of fibrous material stretched across one head of the drum, supporting bars extending across the interior of the drum, and a receiver of the vibrating armature type supported on said bars within the drum, said receiver having its armature connected with said diaphragm so as to vibrate the latter.

1,582,418. SUBSOIL PLOW. ADEN LESTER MONTGOMERY, San Jose, Calif., assignor to Horace G. Knapp, San Jose, Calif. Filed Feb. 20, 1923. Serial No. 620,230. 3 Claims. (Cl. 97—73.)



2. In combination with a plow frame, a crank axle having its transverse portions journalled on the frame, said axle carrying ground wheels at its ends whereby turning movement imparted thereto will raise or lower the frame relative to the wheels, an arm secured to the axle, a latch bar pivoted at its front end to the plow frame and extending longitudinally of the plow, cooperating latch means on said latch bar and said swinging arm for latching said arm in a position maintaining the frame in a raised or inoperative position, operable means for disengaging said latch means to permit the axle to turn and lower the frame, and adjustable means carried by said latch bar for engaging said swinging arm to limit the turning movement of the axle, said means being movable longitudinally of the plow and adapted to be manually operated to swing said arm and act therethrough to return the axle and frame to an inoperative or raised position.

1,582,419. MORTUARY TABLE, SURGEON'S OPERATING TABLE, AND THE LIKE. JOHN L. MURPHY, Canton, Ill. Filed Dec. 8, 1925. Serial No. 74,133. 2 Claims. (Cl. 45—50.)

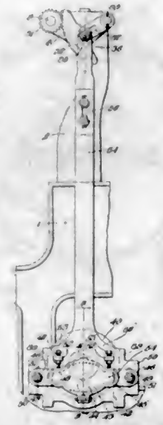


2. A corpse supporting grid for mortuary or surgeons' tables comprising cross bars longitudinally split to provide two sections one of which is provided with supporting feet and longitudinally extending bars inserted between the sections of the cross bars and to which the sections of the cross bars are clamped, certain of said bars at the center of the grid thus provided being of greater length than the remaining bars and being connected at their ends by a further cross bar to provide a head rest, the cross bar sections having coacting grooves for the passage of said longitudinally extending bars, the combined size of said grooves being less than the size of the bars to thereby permit clamping of the longitudinally extending bars between such sections.

1,582,420. MOTOR FUEL. YASUJURO NIKAIDO, Rossford, Ohio. Filed July 9, 1925. Serial No. 42,587. 10 Claims. (Cl. 14—9.)

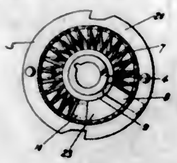
1. A motor fuel containing a hydrocarbon and a small proportion of a dialkyl ether having a boiling point below 104° C. adapted to accelerate ignition.

1,582,421. HARNESS MOTION FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed June 3, 1924. Serial No. 717,539. 3 Claims. (Cl. 139—55.)



1. A harness motion for looms having, in combination, harnesses, an upper harness shaft, a lower harness shaft, connections between the harnesses and harness shafts, a pinion on the upper harness shaft, a segment gear engaging the pinion, a link for actuating the segment gear, a yoke on the lower end of the link provided with a slot having two arcuate dwell surfaces, a crank pin engaging the slot for actuating the link and thereby actuating the harnesses with dwells in their movements.

1,582,422. IMPULSE COUPLING. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Apr. 18, 1923. Serial No. 632,964. 2 Claims. (Cl. 123—149.)

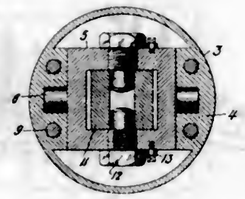


1. In an ignition attachment of the class described, a driven member having a hub for attachment purposes to a driven shaft, and an annular groove between the hub and rim, a pin passing through the rim and into the hub portion and intersecting the groove, a driving member held in operative position on the driven member by means on the driven shaft, and having an operating stud, means for restraining the driven member through a predetermined angle of rotation of the driving member and then releasing it, a spring within said groove having one end abutting against said pin and the other against said stud, said spring acting to cause the driven member to rapidly overtake the driving member after its release as and for the purpose described.

1,582,423. PROCESS OF ELECTRODEPOSITING IRON FROM IRON-CONTAINING MINERALS. MASATOSI OKOCHI and MOTOKITI HANAOKA, Tokyo, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Filed Apr. 2, 1924. Serial No. 703,819. 1 Claim. (Cl. 204—15.)

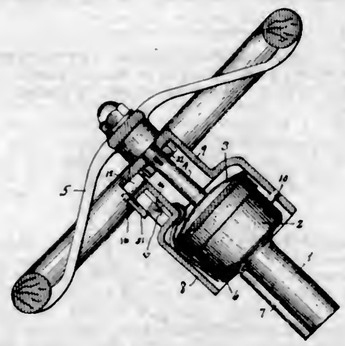
A process of treating magnetic iron sands, yellow ochre, bog iron ore and the like, which are granular and easily crushable, which comprises reducing such ore at a temperature below 1000° C., incorporating the reduced iron with an iron sulfid material, and subjecting the mixture to electrolysis in an acid aqueous bath, the said mixture of spongy iron and sulfid forming the anode.

1,582,424. UNIVERSAL JOINT. RODOLPH STUART O'NEIL, Horton, England. Filed Oct. 20, 1924. Serial No. 744,621. 2 Claims. (Cl. 64—91.)



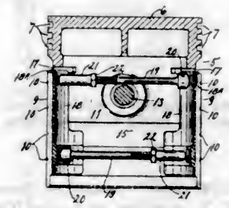
1. A universal joint for connecting two shafts, comprising a hollow body secured to the end of the first shaft, said body having an open end distant from said shaft and having two internal diametrically-opposed inwardly-directed projections directly connected to each other by the completely surrounding support of said hollow body to prevent said projections from spreading, said projections having spaced opposed parallel bearing faces, an open rectangular frame located between and in sliding contact with said two opposed bearing faces of said projections of said hollow body, said rectangular frame having oppositely disposed inwardly-directed bearing faces within its hollow, a rectangular block secured to the second shaft to enter said rectangular frame with its bearing faces in sliding engagement with the inwardly-directed bearing faces of said rectangular frame, each of said bearing faces being relatively large, whereby substantially all of the torque is transmitted through said bearing faces, and pivot means securing said projections of said hollow body to said rectangular frame and said rectangular frame to said rectangular block on said second shaft, said pivot means arranged perpendicular with respect to each other and operating merely to hold said pairs with their large bearing faces in proper relation to each other.

1,582,425. WHEEL LOCK. EDWARD N. PAGELSEN, Detroit, Mich., assignor to Sewell Cushion Wheel Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 25, 1924. Serial No. 733,991. 3 Claims. (Cl. 70—127.)



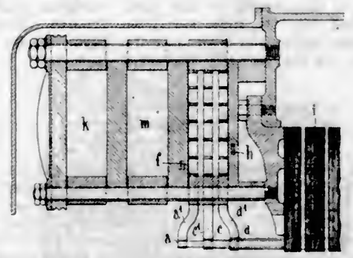
1. In a device of the kind described, the combination with a steering wheel, a lock to control the operation of said wheel and a key for said lock, an ignition switch, and a handle to operate the switch, said handle being so positioned relative to the lock to swing across the key hole thereof so that the switch cannot be operated while the key is in the lock.

1,582,426. PISTON. RALPH V. PALMER, St. Paul, Minn. Filed Dec. 5, 1925. Serial No. 73,369. 3 Claims. (Cl. 74—108.)



1. A piston of the class described comprising a tubular body with a solid web at one end and open at the other end, wrist-pin retaining means intermediate said ends, said piston having two diametrically opposite horizontal slots and slitted longitudinally from the center of each slot to the open end of the piston and means for spreading the parts of the piston between said horizontal slots and the open end, said expanding means comprising mainly two segmental plates each with an upper outwardly directed flange adapted to engage in one of the horizontal slots and the main body of each plate of a curvature to fit the inner surface of the tubular piston and extending approximately to the lower end of the piston.

1,582,427. DYNAMO-ELECTRIC MACHINERY. CHARLES ALGERNON PARSONS and JESSEL ROSEN, Newcastle-upon-Tyne, England; said Rosen assignor to said Parsons. Filed Dec. 19, 1923. Serial No. 681,554. 5 Claims. (Cl. 171—206.)

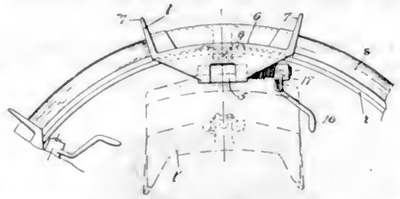


3. Windings for a three-phase dynamo-electric alternator, the winding for each phase comprising in combination a plurality of conductors nested one within the other carrying voltages stepped down from within outwards, layers of insulating material between and around said conductors, means for connecting said conductors in series and means connecting one end of the outermost conductor to a neutral point, as set forth.

1,582,428. VEHICLE WHEEL AND TRACTION DEVICE THEREFOR. UGO PAVESI, Milan, Italy. Filed Mar. 11, 1924. Serial No. 698,544. 7 Claims. (Cl. 301—50.)

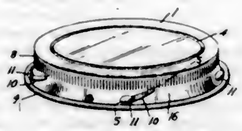
7. A wheel structure as claimed in claim 4 characterized by the provision of means for locking the traction

device in either of its two positions, said means including a rotatable shaft, and a pair of hooks carried by the



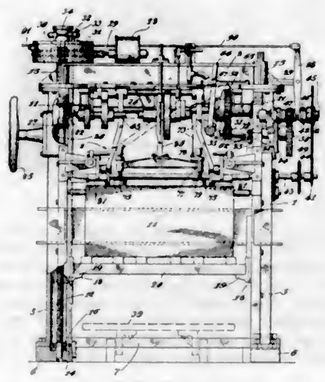
shaft respectively engageable with portions of the traction device when the latter is moved from one position to the other.

1,582,429. SCREW CAP. ABRAHAM PODEL, Long Island City, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Dec. 17, 1924. Serial No. 756,415. 10 Claims. (Cl. 215—44.)



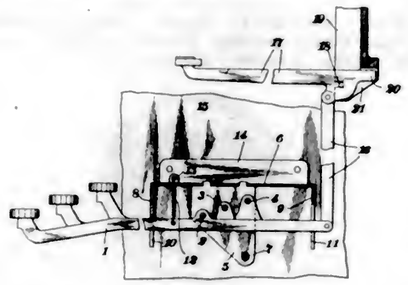
1. A closure cap comprising a cover portion, a skirt depending from said cover portion, inclined locking grooves pressed in said skirt portion, an enlargement in a portion of each of said grooves, said grooves and said enlargements being adapted to cooperate simultaneously with projections formed upon the finish of a suitable container to hold the cap in place thereon.

1,582,430. TABLE-ELEVATING MECHANISM. ABRAHAM PODEL, Long Island City, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed July 30, 1924, Serial No. 729,043. Divided and this application filed July 14, 1925. Serial No. 43,542. 24 Claims. (Cl. 271—62.)



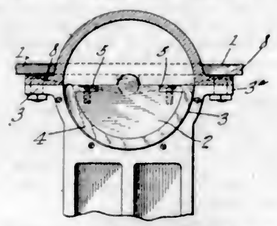
5. In a machine of the class described, the combination of sheet elevating devices, a source of power connected to said devices, a clutch adapted to connect a second source of power to said devices, a clutch intermediate said first mentioned source of power and said devices, and means to prevent simultaneous operation of both of said clutches.

1,582,431. KEY MECHANISM FOR TYPEWRITING MACHINES. LUDWIG REISCHL, Nuremberg, Germany, assignor to Bing-Werke, vorm. Gebr. Bing A.-G., Nuremberg, Germany. Filed Apr. 20, 1923. Serial No. 633,499. 1 Claim. (Cl. 197—186.)



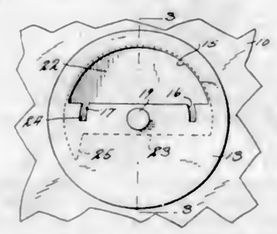
A key lever support for typewriting machines comprising only one single sheet metal member of U-shaped cross section, the two arms of which are spaced widely and have longitudinal slits for guiding the key levers, and bearing cheeks for the axle of the key levers on the web plate of said U-shaped member, said bearing cheeks fixed at convenient distances apart between the arms of the U-shaped member.

1,582,432. OILER FOR DERRICKS. NATHANIEL A. RIGGIN, Oilfields, Calif. Filed Dec. 16, 1924. Serial No. 756,316. 2 Claims. (Cl. 308—21.)



1. The combination of a supporting structure having combined oil reservoirs and bearings mounted therein, said reservoirs being semi-cylindrical in cross section, a beam having semi-circular journals to rock in said bearings and removable shoes mounted on said journals to rock therewith and conforming to the configuration thereof.

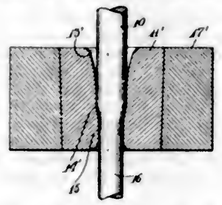
1,582,433. REFUSE-DISCHARGING ATTACHMENT FOR MOTOR CARS. THOMAS F. ROACH, Pueblo, Colo. Filed July 3, 1925. Serial No. 41,403. 5 Claims. (Cl. 296—44.)



1. A refuse discharging attachment for a car window pane comprising two plates adapted to be disposed respectively on opposite sides of the pane and adapted to overlap the margin of an aperture cut through the pane,

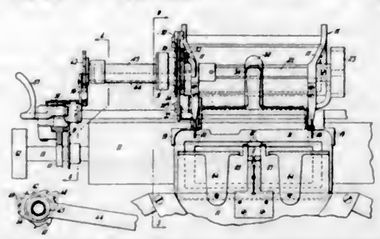
said plates having coinciding openings, and an intermediate shutter oscillatably mounted between the plates for movement in a plane parallel to the plates and adapted, when turned into one position, to close said openings, and when turned into the other position, to disclose the openings.

1,582,434. APPARATUS FOR DRAWING WIRE. ABRAHAM SIMONS, New York, N. Y. Filed Feb. 8, 1926. Serial No. 86,855. 5 Claims. (Cl. 205—29.)



4. A one-piece drawing member having an inner drawing surface at a portion thereof spaced from the inlet end thereof, said member having a surface in advance of said drawing surface which has a smaller inclination to the axis of the die than said drawing surface.

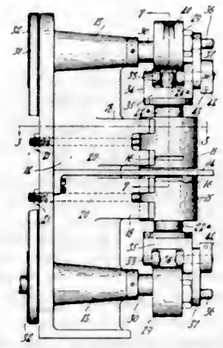
1,582,435. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 16, 1924. Serial No. 693,166. 20 Claims. (Cl. 197—135.)



1. In a machine for impressing characters on stencils, the combination with a platen, a carriage and a set of types, of stencil-holding means borne by the carriage and vertically movable adjacent the platen, a line-space lever, a line-space ratchet arranged for operation by the line-space lever having sets of teeth differently spaced to provide different numbers of writing lines on the stencil, a detent-ratchet having sets of teeth corresponding to the sets of teeth on the line-space ratchet, said detent-ratchet fast to the line-space ratchet, the two ratchets being adjustable in unison to bring the different sets of teeth into use, and operating connections between the detent-ratchet and the stencil-holding means, including a cam moving with said ratchets step by step to lift the stencil-holding means, the extent of movement of the cam being controlled by the spacing of the effective teeth on the ratchets.

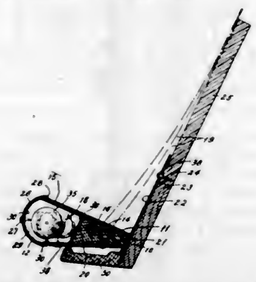
1,582,436. TAG-PATCHING MACHINE. EDMUND S. SPINNEY, Abington, Mass., assignor to Whitman Patching Machine Company, Incorporated, Whitman, Mass., a Corporation of Massachusetts. Filed Aug. 13, 1925. Serial No. 50,041. 4 Claims. (Cl. 93—92.)

1. A tag patching machine comprising a frame, aligned tubular guides fixed to the frame and adapted to guide gummed patch strips, male and female patch-cutting dies adapted to cut patches from said strips and press the patches against opposite sides of a tag inserted between the guides, the female cutting dies being fixed in the guides and the male dies movable therein, a male perforating die movable in one of the male cutting dies and adapted to perforate the tag and the patches, and operating mechanism for reciprocating the male cutting and perforating dies, the machine being characterized by fixed recessed positioning abutments on the frame,



and clamping means associated with the frame and the guides and adapted to reasonably confine the guides against the abutments and permit the removal of the guides from the frame, the arrangement being such that the abutments align the guides when the latter are confined.

1,582,437. ILLUMINATING DEVICE. JAMES STANLEY, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,072. 9 Claims. (Cl. 240—4.)

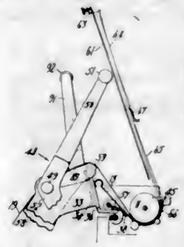


1. An illuminating device comprising a body having a transparent upper portion and a music supporting portion and a lamp disposed below the transparent portion and adapted to throw its rays upwardly therethrough, said transparent portion having irregular surfaces formed to direct light rays upwardly and rearwardly away from the observer.

1,582,438. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 25, 1923. Serial No. 647,501. 42 Claims. (Cl. 197—126.)

1. In a typewriting machine, a revoluble platen, means for holding work-webs, composed of a succession of forms, and carbons interleaved therewith, for line-space feed with the platen, a carrier to which the carbons are anchored at their rear, said carrier being pivoted, means for supporting the composite web in such wise as to provide a slack in the untyped part thereof when the web is in position for commencement of typing of one of its form-lengths, such slack being in front of the carbon-carrier and sufficient to permit of line-feed of the com-

posite web in the typing of a form-section without pull on the carbon-carrier, means for releasing the carbons for shift of the same to an untyped form-section of the work-webs, next succeeding a form-section thereof



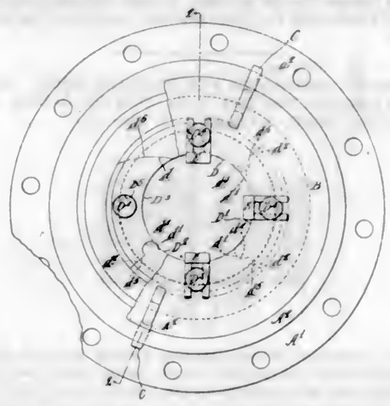
previously typed, means for drawing upon the web in a crosswise direction, between the platen and the carbon-carrier, to take up the aforesaid slack, and means for moving the carbon-carrier to effect the aforesaid shift of the carbons after such elimination of slack in the web.

1,582,439. AUTOMOBILE WHEEL RIM. HARRISON E. STRATFORD, Philadelphia, Pa. Original application filed Feb. 8, 1922, Serial No. 534,870. Divided and this application filed Oct. 14, 1922. Serial No. 594,442. 3 Claims. (Cl. 152—21.)

1. In a wheel, a rim member mounted thereon for the purpose of attaching a tire and having at one side a flange for supporting one side of the tire and at the other side an annular grooved portion whose outer edge forms an annular contact surface and the inner wall at the bottom of the grooved portion provided with an annular shoulder which extends radially outward around the rim combined with a detachable clamping ring split radially into a plurality of curved parts each of which has a toe portion fitting down into the circumferential groove between the annular shoulder and annular contact surface formed as part of said annular grooved portion of the rim, said curved ring parts receiving the outward pressure of the tire and by reason of which pressure they retain their locking engagement with the annular shoulder and contact surface.

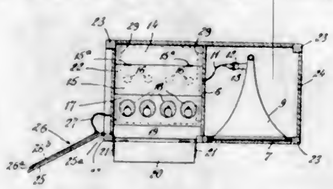
1,582,440. SOCKET CORE FOR PIPE MOLDS. JOHN H. UHRIG, Beverly, N. J., assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Aug. 19, 1924. Serial No. 732,916. 2 Claims. (Cl. 22—170.)

1. A socket core for pipe molds comprising a multiple series of segments adapted when assembled to form an annular socket core, said segments having abutting ends which interengage and properly align the segments in assembled position and two of the segments having a



non-interengaging lap joint at their abutting ends in combination with a socket ring and detachable means for securing the separate segments to the socket ring.

1,582,441. MEANS FOR HOUSING THE RECEIVING LOOPS IN RADIO-SET CABINETS. CHARLES H. VOTEY, Hartsdale, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Sept. 14, 1923. Serial No. 662,697. 1 Claim. (Cl. 250—14.)

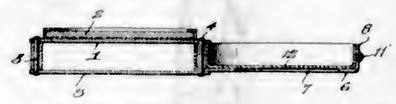


The combination with a cabinet of a loop radio-receiving set comprising an outside end-panel of said cabinet supported to swing about a vertical axis and operatively supporting on its inner face the loop of said radio-receiving set so that when said end-panel is closed it conceals said loop; and an inside panel enclosing the same end of said cabinet located to provide a space between itself and the aforesaid outside panel to house the loop when the outside panel is in its closed position.

1,582,442. JAR-CAP OPENER. WILLIAM P. WHITE, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 6, 1921, Serial No. 435,316. Renewed Feb. 25, 1926. 4 Claims. (Cl. 81—31.)

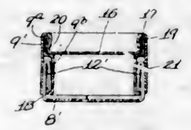
2. A cap opener comprising a semi-cylindrical handle, arched arms comprising extensions of the side walls of the handle, an cap engaging jaw offset below the bottom wall of the said handle, and fulcrum means joining the arched arms, said fulcrum means being substantially in line with the bottom wall of the handle.

1,582,443. ROUGE HOLDER. RALPH W. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Filed Feb. 14, 1925. Serial No. 9,122. 5 Claims. (Cl. 132—83.)



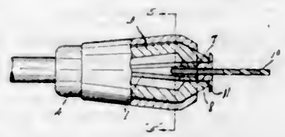
1. In a rouge holder, a body consisting of spaced plates, a rouge container having a bottom with an opening therein and a rim receivable between the plates, a stud connecting the plates at one end thereof, a stud engaged with the container bottom and connected to the plates at their opposite ends to hold the plates spaced and to provide a pivotal mounting for one end of the container, a latch on the opposite end of the container engageable with the first named stud, and a cup removably and frictionally held in the container.

1,582,444. PACKAGE SEAL. CHARLES BART, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,100. 3 Claims. (Cl. 292—325.)



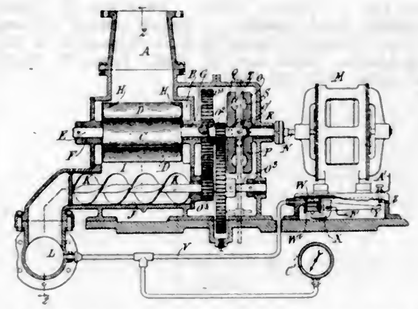
1. A package seal of the class described comprising two cup-shaped parts, one of said parts being of less diameter than the other, the upstanding wall of which is provided with a plurality of spaced apertures opening through the free edge of said wall and forming of said wall, a plurality of spring members the free portions of which are bent upon the remainder thereof in spaced and substantially parallel relation therewith to form hook-shaped spring members and the other of said parts being adapted to pass over the first named part and provided with a flange adapted to pass over and interlock with the spring members of the first named part, and the apertures in the first named part extending beyond the second named part when said parts are coupled together, whereby tie cords may extend into the chamber within said parts.

1,582,445. AUXILIARY DRILL CHUCK FOR BRACES. WILLIAM R. BORDER, Redford, Pa. Filed Oct. 30, 1924. Serial No. 746,755. 1 Claim. (Cl. 279—46.)



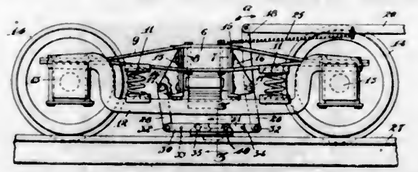
In combination with the regular chuck and chuck jaws of a mechanic's standard brace; a device of the kind described, comprising a spring angular in cross section and bent upon itself and so adapted for insertion between the said chuck jaws; drill chuck jaws at the outer ends of the said spring adapted to engage the shank of a relatively small drill; and lips at the ends of the drill chuck jaws engaging the ends of the regular chuck jaws to prevent the device from slipping too far into the brace.

1,582,446. FEEDING APPARATUS FOR PULVERIZED FUEL. HARRY D. BOWMAN, East Orange, N. J., assignor of one-half to Eugene V. Myers, East Orange, N. J. Filed Dec. 22, 1922. Serial No. 608,437. 5 Claims. (Cl. 302—351.)



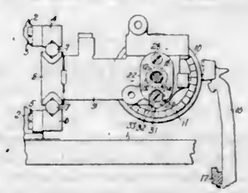
1. A fuel feeding apparatus having a fuel feeder, a conduit into which the fuel is fed, an air supply for conveying the fuel through said conduit after it is fed, and means governed by the pressure of the air supply within said conduit for stopping the feeder upon a decrease of the air supply.

1,582,447. BRAKE. RALPH M. BRANDON and ARTHUR V. CANFIELD, Pasadena, Calif. Filed Jan. 29, 1923. Serial No. 615,532. 1 Claim. (Cl. 188—41.)



In a rail brake construction, a truck bolster, a pair of levers pivotally carried by said bolster and having depending lower end portions, a pair of links connecting the lower ends of said levers, and a brake shoe formed with upstanding lugs fixedly engaged between said links, said shoe being arranged to extend longitudinally of a rail in close proximity thereto, said levers and links being operable to move said shoe in an arcuate path of travel in and out of engagement with a rail and with the shoe maintained at all times in parallel relation to the rail.

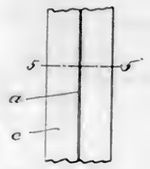
1,582,448. TYPEWRITING MACHINE. HERBERT E. BRIDGWATER, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 21, 1924. Serial No. 727,165. 5 Claims. (Cl. 197—149.)



1. In a typewriting machine, the combination of a rotary platen, a carriage on which said platen is mounted, platen bearings pivotally suspended from pivots on the carriage disposed directly above the axis of

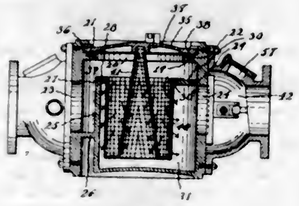
the platen, and eccentric devices co-operative with said bearings to swing them on their pivots, said devices being arranged directly underneath the axis of the platen.

1,582,449. GUMMED STRIP. BENJAMIN G. BUNDY, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed Nov. 23, 1925. Serial No. 70,887. 1 Claim. (Cl. 229—49.)



A stay strip having a dry gum coating, said coating having a narow line at its midwidth characterized by the presence of fractured particles of gum effected by a scratching operation, the body layer of the strip being of unform tensile strength throught its area.

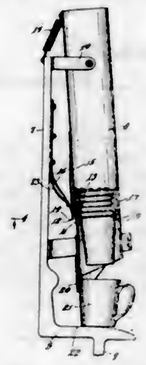
1,582,450. DUPLEX STRAINER. D HUBERT CHESTER, Buffalo, N. Y. Filed July 28, 1922. Serial No. 578,256. 5 Claims. (Cl. 210—168.)



1. In a filtering or straining device, a housing having an interior provided with a fluid inlet and a fluid outlet, a wall adjacent said inlet and forming an inlet chamber adjacent said inlet and a filter or strainer chamber separated therefrom, a ledge formed above said outlet, a filter member extending into said filter or strainer chamber and having its upper end supported on said wall and ledge, and a cover for said housing engaging the upper end of said filter member when the cover is in closed position and cooperating with said filter member effectively to interrupt the passage of fluid from the fluid inlet to the fluid outlet.

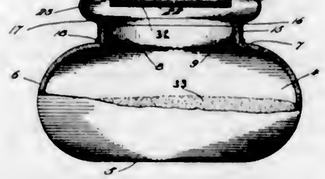
1,582,451. SANITARY DISPENSING APPARATUS. HENRY B. COOLEY, Kensington, Conn., assignor to The American Paper Goods Company, Kensington, Conn., a Corporation of Connecticut. Filed May 21, 1923. Serial No. 640,345. 8 Claims. (Cl. 211—8.)

1. A dispensing apparatus comprising a base, a magazine member and a detent member supported in cooperative relation by said base, each of which is independently movably mounted and in constant operative engagement, means for supporting a stack of articles in said magazine, means for moving one of said members toward the other, means influenced by said movement to effect relative movement between the magazine and detent instantly at the beginning of such movement and longitudinally of the magazine to positively disengage



an article from within said magazine, and means for thereafter starting and completing a return movement of the parts to their normal position.

1,582,452. VANITY CONTAINER. WILLIAM DE GOEY, Providence, R. I. Filed Mar. 19, 1925. Serial No. 16,643. 2 Claims. (Cl. 132—82.)

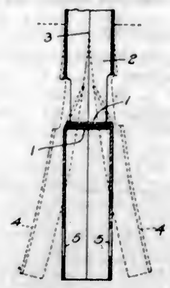


1. In a vanity container, a transversely elliptical vessel provided with a central opening, a vertical rim upon the vessel around the opening, a cover comprising a hollow body provided with an opening in its top, a pocket fast to the top around the second opening and depending into the body, said pocket being provided in its top with an internal annular shoulder, a detached closure disk seated on the shoulder and flush with the top of the body, and a flange on the cover slidably engaging the rim.

1,582,453. PRINT ROLLER. FREDERICK P. DUSTAN, Buffalo, N. Y., assignor to John Walrath, Salamanca, N. Y. Filed Oct. 7, 1924. Serial No. 742,228. 1 Claim. (Cl. 101—375.)

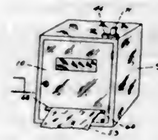
A print roller or the like, having a printing surface composed of an alloy containing about eighty-four pounds of aluminum, ten pounds of tin and six pounds of zinc.

1,582,454. SELF-ANCHORING POST. MARTIN E. EVANS, Kankakee, Ill. Filed Jan. 5, 1921, Serial No. 435,107. Renewed Mar. 5, 1926. 8 Claims. (Cl. 189—31.)



1. A self-anchoring post having a lug as a part thereof extending inwardly from its outer wall and against which earth presses when the post is driven, and having a bottom anchoring portion spreadable laterally in consequence of said pressure of earth upon said lug.

1,582,455. VENDING MACHINE. CHARLES FABRIZIO and ERNEST FORMICHELLA, Rome, N. Y. Filed July 25, 1924. Serial No. 728,174. 4 Claims. (Cl. 194—57.)



3. In a coin operating device, the combination with a casing arranged to receive a coin and guide the same through gravitation to rest at a certain fixed point, of a slidable bar carried by said casing the end thereof supporting said coin at said certain fixed point, a second slidable bar carried by said casing above said coin when at rest, a spring normally pulling both of said bars together, and a second spring which normally holds the second said bar in its uppermost position.

1,582,456. INJECTABLE SOLUTIONS OF DRUGS INSOLUBLE IN WATER. EDWIN STANTON FAUST, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed June 15, 1923. Serial No. 645,687. 6 Claims. (Cl. 167—7.)

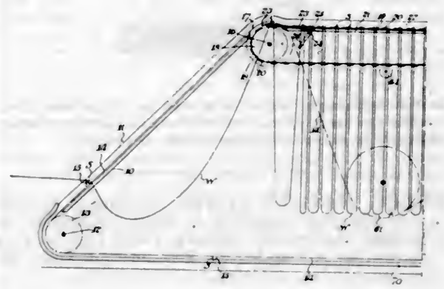
1. As an article of manufacture for use in therapeutics, a mixture of acetonchloroform-urethane being and remaining liquid at ordinary room-temperature.

4. As articles of manufacture for use in therapeutics the injectable solutions obtained by dissolving in a liquid mixture of acetonchloroform-urethane such water-insoluble cyclic compounds containing nitrogen which act as torpents on the central nervous system.

6. As articles of manufacture for use in therapeutics, the injectable solutions of diallylbarbituric acid in a mixture of equal parts by weight of acetonchloroform-urethane, the latter being and remaining liquid at ordinary room-temperature.

1,582,457. FESTOONING MACHINE. STUART M. FORD, Bridgeport, Conn. Filed Mar. 9, 1920. Serial No. 364,596. 18 Claims. (Cl. 34—20.)

15. A machine of the class described, comprising the combination of stick receiving and conveying mechanism, stick elevating mechanism, mechanism for removing the sticks from the drawing-off end of the conveying mechanism, a receptacle in which said removing mechanism deposits the sticks, and a rotating feed cam on said shaft



having a peripheral notch adapted, at each revolution of the shaft, to receive a stick from said receptacle and feed it to said elevating mechanism.

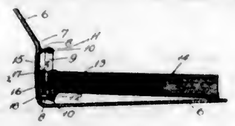
1,582,458. BOOK. FRANK D. FORTNEY, Brooklyn, N. Y. Filed Jan. 8, 1925. Serial No. 1,195. 1 Claim. (Cl. 281—16.)

A book comprising a back member, a pair of covers flexibly connected to said back, a set of leaves secured to said back, the top of said set of leaves terminating short of the upper longitudinal edge of said back member, a filler member (10) located against the inner surface of said back member and extending a short distance outwardly thereof and filling the space adjacent said back member between the upper longitudinal edge of the latter and the top of said set of leaves, a fabric member for anchoring said filler member in place, said fabric member being secured to the front of said filler member and having its inner free end passed around against and secured to said back member with its extremity doubled back and secured within said set of leaves, the other end of said fabric member extending across the top cover, doubled upon itself a substantial distance and secured at its edges to define an inwardly opening pocket, and a supplemental book, comprising a cover member and having a body of leaves substantially equal in length and breadth to said set of leaves associated with said back member and substantially filling the space between the top of said set of leaves and said top cover, one end of said cover member being insertable within said pocket on said top cover for the purpose specified.

1,582,459. TEMPORARY LOOSE-LEAF BINDER. PETER FRANK, New York, N. Y., assignor to Knickerbocker Bindery, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 8, 1924. Serial No. 742,452. 7 Claims. (Cl. 129—6.)

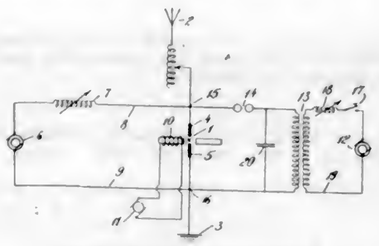
1. A temporary loose-leaf binder, comprising a back or cover, hollow transverse binding posts pivotally and detachably mounted on said cover, a compressor plate

mounted on said binding posts at one side of the pack of inserted sheets, and resilient means carried within the



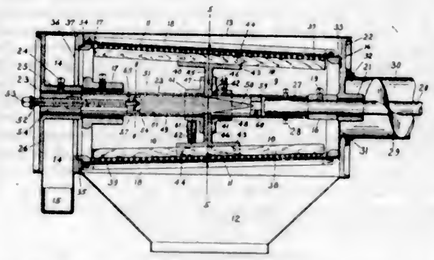
said hollow binding posts for forcing the compressor plate against the pack of inserted sheets to normally maintain the pack in clamped position within the binder.

1,582,460. SIGNALING SYSTEM. LEONARD F. FULLER, Palo Alto, Calif., assignor, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 13, 1922. Serial No. 568,074. 2 Claims. (Cl. 250—19.)



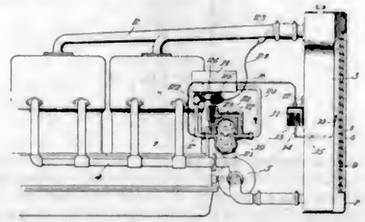
1. The method of signaling with an arc transmitter which comprises igniting and extinguishing the arc by intermittently producing an auxiliary ionizing discharge in or about the arc space, maintaining the auxiliary ionizing discharge throughout the duration of each signal impulse thereby maintaining the arc throughout the duration of each of said impulses and interrupting the arc by interrupting the ionizing discharge at the end of each signal impulse.

1,582,461. BRUSH SIFTER. EUGENE GASE and LOUIS CHARLES REESE, Saginaw, Mich., assignors to Baker-Perkins Company, Inc., White Plains, N. Y. Filed Feb. 8, 1923. Serial No. 617,878. 9 Claims. (Cl. 209—296.)



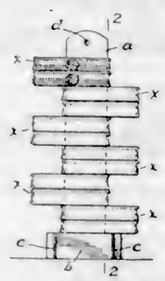
1. In a machine of the kind described, a sifting reel in the form of a truncated cone with open ends, means for feeding material to be sifted to the smaller end of said cone, means for removing the waste residue from the said cone at the larger end thereof, means for rotating the said reel on a horizontal axis, a stationary brush supported within the said reel and extending substantially the length of the inner surface of the said reel on one side of said axis, a second stationary brush extending substantially the length of the inner surface of the said reel on the other side of said axis, and means for maintaining said brushes in proximity to the inner surface of said reel during the rotation thereof.

1,582,462. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Feb. 8, 1917. Serial No. 147,454. 35 Claims. (Cl. 123—174.)



1. In combination with an internal combustion engine and its cooling system, means for governing the cooling effect of said system, a separate, self-contained circulating system associated with said engine, and means controlled by the pressure in said circulating system for operating said governing means.

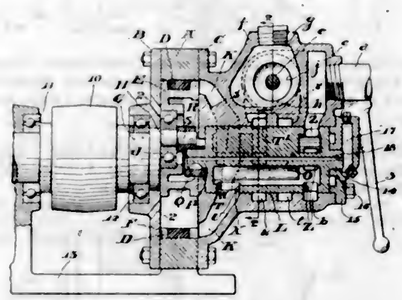
1,582,463. GARTER-DISPLAY MEANS. HENRY F. GOLDSMITH, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1925. Serial No. 76,387. 1 Claim. (Cl. 211—24.)



A garter display device comprising a plurality of separate spreaders each composed of a flat strip over which a garter is adapted to be slipped and on which the garter is adapted to be held, and a standard composed of a flat strip which the several spreaders and the garters carried thereby are adapted to slidably engage, the length of the standard being multiple times the width of a spreader, and the spreaders being of a length substantially greater than the width of the standard so as to permit the spreaders and garters to project laterally beyond the standard.

1,582,464. VALVE FOR SQUARE-PISTON ENGINES. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 27, 1925. Serial No. 18,689. 3 Claims. (Cl. 121—52.)

3. A fluid actuated engine comprising a square cylinder, a frame piston adapted to reciprocate in said cylinder, an inner piston within the frame piston adapted to reciprocate at an angle to the direction of motion of the frame piston, a drive shaft having a crank pin operatively associated with the frame piston and the inner piston, a cylinder head having four ports leading to the four sides of the square cylinder, a throttle valve, a valve chest formed integrally with the cylinder head and provided with an inlet port and passages adapted to be associated with the inlet passage in alternative positions of the throttle valve, and a distributing valve

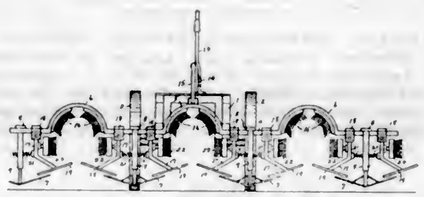


in the cylinder head arranged to be rotated by the drive shaft divided into a plurality of chambers two of said chambers corresponding to the passages leading to the valve chest and always in communication therewith and adapted to register successively to the four ports leading to the sides of the cylinder, a third chamber being in constant communication with atmosphere and adapted to be associated successively with the ports leading to the ends of the cylinder.

1,582,465. WALKING-BEAM AND SUCKER-ROD CONNECTION FOR DEEP-WELL PUMPS. GLENN A. HART, Bell, Calif., assignor to Clayton A. Musselwhite, Los Angeles, Calif. Filed July 13, 1925. Serial No. 43,242. 6 Claims. (Cl. 74—5.)

6. The walking beam and sucker rod connection for a deep well pump including an inner and outer rocking saddle adapted to be mounted in seats on a walking beam and arranged to be rocked and reciprocated in an arc above a jointed sucker rod that is adapted to reciprocate vertically; upper and lower cross bars loosely mounted on the sucker rod and arranged to engage their respective clamps secured to the rod; a pair of short cables interposed between said inner saddle and upper cross bar; means for detachably and pivotally connecting the ends of said cables to said inner saddle and upper cross bar; a pair of longer cables interposed between said outer saddle and lower cross bar; and means for detachably and pivotally connecting the ends of said longer cables to said outer saddle and lower cross bar, said parts arranged so the weight of the sucker rod is alternately shifted from saddle to saddle and said cables are adapted to be slightly twisted so that when free from strain they normally hold their respective bars at acute angles to the longitudinal axis of said saddles so that when first under strain the cables frictionally engage their cross bars with their respective clamps so that when taking the full weight of the sucker rod the heavy strain will overcome the twist in the cables and turn the bars from acute angles to positions parallel to the longitudinal axes of the saddles so that the frictional engagement and turning of the bars with their respective clamps will cause a slight intermittent rotation of the sucker rod to keep its joints screwed tightly together.

1,582,466. INSECT DESTROYER. WILLIAM W. HARWOOD, Grannis, Ark., and GEORGE HARWOOD, Dickinson, Tex. Filed Oct. 2, 1923. Serial No. 666,090. 3 Claims. (Cl. 43—133.)



3. A device of the character described including a support formed with a plurality of arch-like agitating members, hangers pivoted to said support and arranged on opposite sides of said agitating members, deflectors arranged beneath said agitating members and spaced apart and anchored to said respective hangers, yieldable members normally holding said deflectors in a fixed relation to each other but yielding to permit said deflectors to spread apart, agitating brushes carried by the hangers, receiving pans depending from said support and disposed to receive from said deflectors, a carrier to which said support is hinged and means for elevating and lowering said support and the appendants thereof, relative to the carrier.

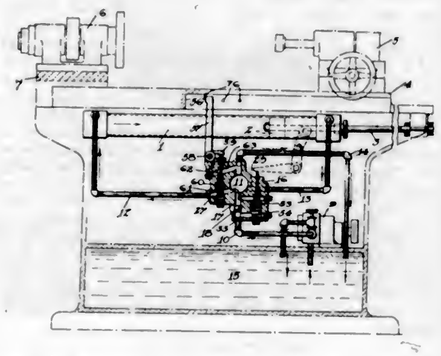
1,582,467. BITUMINOUS EMULSION. GEORGE SAMUEL HAY, Westminster, London, England, assignor to Asphalt Cold Mix (1925) Limited, Westminster, London, England. Filed Aug. 18, 1925. Serial No. 51,040. 4 Claims. (Cl. 134—1.)

1. A process for producing an aqueous bituminous emulsion which consists in separately mixing with bitumen in molten form, a dilute aqueous solution of alkali, and a proportion less than 10%, reckoned by weight of the bitumen, of an emulsifying agent comprising a substance of the starch-dextrin type.

1,582,468. FLUID-PRESSURE CONTROLLING AND REVERSING MECHANISM FOR GRINDING MACHINES AND THE LIKE. JAMES N. HEALD and WALDO J. GUILD, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 4, 1923. Serial No. 629,882. 12 Claims. (Cl. 51—233.)

1. Apparatus of the class described, comprising a table reciprocable by fluid under pressure, a reversing valve for

the pressure fluid and adjustable stops on said table for operating said valve, in combination with means inter-



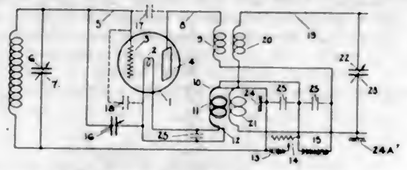
posable in the path of one of said stops to render said stop inoperative to allow said table to move beyond said stop when desired.

1,582,469. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Dec. 29, 1922, Serial No. 609,560. Divided and this application filed Nov. 17, 1925. Serial No. 69,585. 6 Claims. (Cl. 197—126.)

1. The combination of a typewriting machine comprising a carriage, a stand to support said machine, a table extending rearwardly behind said carriage, a supporting bracket for said table, and means comprising a pivot on said stand about which said bracket may be swung to a position, under said stand.

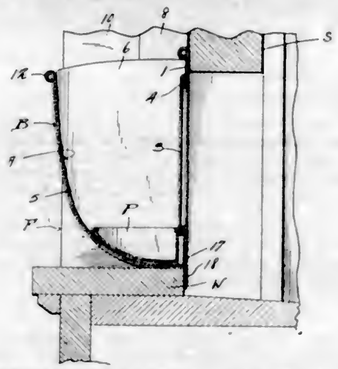
1,582,470. NEUTRALIZED AMPLIFIER SYSTEM. LAWRENCE C. F. HORLE, Newark, N. J., assignor to Federal Telephone Manufacturing Corporation, Buffalo, N. Y., a Corporation of New York. Filed Apr. 24, 1925. Serial No. 25,490. 7 Claims. (Cl. 179—171.)

1. In an electrical system comprising a thermionic device having a control electrode, an anode and a cathode, an input circuit including the control electrode and the cathode, a circuit including the anode and the cathode, a frame element for said system, said electrical system being arranged as a bridge for the controlling of feed-back action from the anode-cathode circuit to the input circuit, said bridge comprising two



inductive arms included in said anode-cathode circuit, and means for grounding said bridge to said frame element at a point intermediate said inductive bridge arms.

1,582,471. WINDOW-SCREEN VENTILATOR. IRVING HUDSON, Wilkes-Barre, Pa. Filed Dec. 5, 1925. Serial No. 73,498. 2 Claims. (Cl. 98—31.)



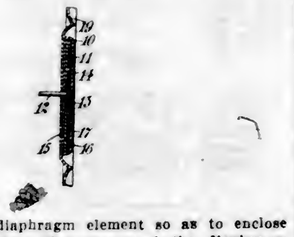
1. A window screen ventilator comprising two members one adapted to telescope within the other, each of said members comprising an outer wall having a relatively large opening, a screen fabric carried by said wall and disposed over the opening, an inner wall extending upwardly from the lower margin of the outer wall on a predetermined curvature, a plate connecting the outer ends of said outer and inner walls, the outer wall extending beyond said plate for contact with the parting strip of a window frame when the device is in applied position, the upper marginal portions of the outer and inner walls of each of the sections being provided therealong with inwardly disposed barrels, the barrels of one section sliding within the barrels of the second section, a barrel of each of the sections being slotted to permit requisite relative sliding movement of the sections.

1,582,472. MANUFACTURE OF GLUTAMIC ACID AND SALTS THEREOF. KIKUNAE IKEDA, Tokyo, Japan. Filed Jan. 5, 1925. Serial No. 680. 7 Claims. (Cl. 260—112.)

1. The process of manufacture of glutamic acid and salts thereof from schlempe, characterized by hydrolyzing the schlempe and converting the glutamic acid into the sparingly soluble calcium salt.

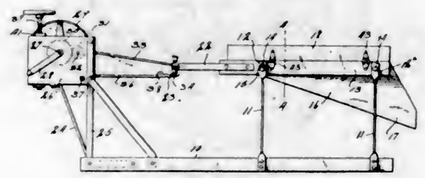
1,582,473. SOUND-RECORDING AND SOUND-REPRODUCING INSTRUMENT. FRED KAY, Peckham, London, and WILLIAM ERNEST CLIFTON, London, England, assignors to Cliftophone Limited, London, England, a British Company. Filed May 24, 1924. Serial No. 715,605. 15 Claims. (Cl. 181—32.)

1. A diaphragm of the type described comprising in combination a main diaphragm element, a metal part secured thereon, a pin projecting from said metal part, and a cover which overlies said metal part, which extends marginally beyond it, and which is secured at



its margin to the diaphragm element so as to enclose the metal part between the cover and the diaphragm element.

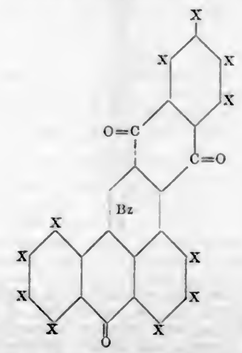
1,582,474. AUTOMATIC SAND SIFTER. GUSS M. KING, Flat Rock, N. C. Filed Feb. 14, 1925. Serial No. 9,173. 5 Claims. (Cl. 74—14.)



1. A device of the character described comprising a base, a plurality of springs mounted upon the base and extending upward therefrom, a frame mounted upon the upper ends of said springs and having limited vertical movement with relation to the upper ends of the springs, a yoke attached to the forward end of the frame, means connected to said yoke whereby the frame may be reciprocated, and means adjustable into or out of the path of movement of the yoke for giving a vertical vibration to the yoke and the frame.

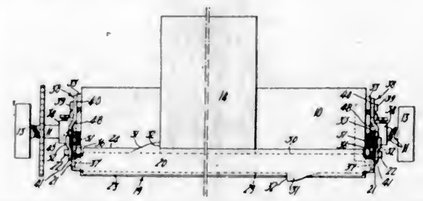
1,582,475. VAT DYESTUFF AND PROCESS OF MAKING SAME. GEORG KRÄNZLEIN, HEINRICH GREUNE, ROBERT SEDLMAYR, and HEINRICH VOLLMANN, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 27, 1925. Serial No. 71,709. 6 Claims. (Cl. 260—61.)

5. As new products the dyestuffs of the following formula:



X being hydrogen or any substituent.

1,582,476. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 20, 1924. Serial No. 733,065. 9 Claims. (Cl. 197—136.)



1. In a typewriting machine, the combination with a revoluble platen, of a card-holding attachment therefor, including a card-gripping body extending along the platen, the ends of said body terminating adjacent the ends of the platen, means adjacent the platen-ends and co-operating with the ends of said body for guiding the same to card-gripping position against the platen, and releasable detents carried by the platen and automatically engaging the ends of said body as the latter is brought to card-gripping position, whereby to secure said attachment to the platen.

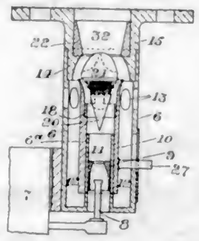
1,582,477. STEERING ARRANGEMENT FOR LIGHT MOTOR VEHICLES. THÉODORE LAFITTE, Paris, France. Filed Sept. 15, 1924. Serial No. 737,927. 1 Claim. (Cl. 74—79.)

In a steering arrangement for motor vehicles, the combination of a shaft with a hand wheel, a speed reduction gear controlled by said steering shaft, and transmission means between the said speed reduction gear and the steering wheels of the vehicle, this speed reduction gear comprising a small disc keyed to the steering shaft, tapered nibs arranged upon the said disc and spaced at regular intervals about a circumference, a large disc adapted to be connected with the said transmission means, this large disc being movable axially and occupying an eccentric position relative to the first one and being provided with radial slots of a trapezoidal section corresponding in number to that of the tapered nibs, the latter being adapted to enter and slide in these slots, and means adapted to press the said discs the one against the other.

1,582,478. CARBURETOR. ARCHIBALD JARVIE LAIRD, Glasgow, Scotland. Filed Sept. 19, 1922. Serial No. 589,189. 5 Claims. (Cl. 261—45.)

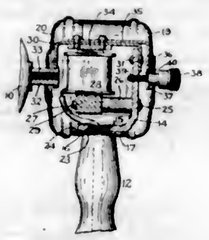
1. A carburetor comprising a casing; means for the supply of liquid fuel opening into the said casing; an open ended tubular member slidable in the said casing over the said fuel supply means to provide an inner passage for primary gaseous mixture and an outer space

for the passage of a separate supply of air; a member within the said tubular member to serve as a throttle valve, and as an impinging and spreading surface for



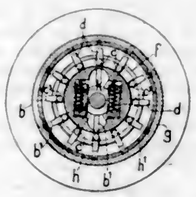
the said gaseous mixture passage through the said tubular member; and valve seats in the said casing for both the slidable tubular member and throttle valve.

1,582,479. MASSAGE VIBRATOR. JOHN LANZ, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn. Filed Dec. 16, 1920. Serial No. 431,185. 9 Claims. (Cl. 128—49.)



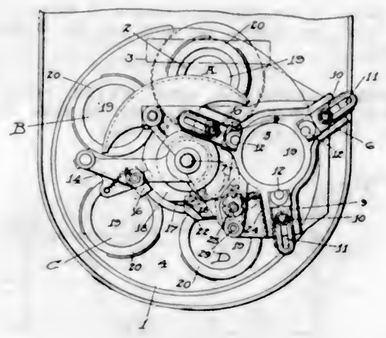
1. A vibrator comprising a casing, a frame within said casing, a flat resilient member connected at one end to the frame, and carrying an applicator at its free end, a second flat resilient member connected at one end to said first member and having its other end adjustably connected to the frame, and actuating mechanism for the applicator carried by the frame.

1,582,480. CHANGE-SPEED GEAR. ADOLF LAUB, Basel, Switzerland, assignor to the Firm Progression Société Anonyme, La Chaux-de-Fonds, Switzerland. Filed Apr. 3, 1925. Serial No. 20,498. 2 Claims. (Cl. 74—53.)



1. A change speed gear, comprising a rotary driving element, a rotary driven element, interconnecting pieces between them, radial guidings for said pieces, an annular set of conical friction clutch teeth in rotational relation with said interconnecting pieces, an annular friction groove on one of said rotary elements adapted to receive successively said friction clutch teeth, a controlling guide ring to guide the latter so as to allow the same to progressively enter said friction groove to produce an operative frictional connection thereon, and adjusting means for said guide ring to adjust the clutch teeth to a freely running position with respect to said friction groove.

1,582,481. GRINDING MACHINE. WILLIAM LAW, Westboro, Mass., assignor to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 17, 1923. Serial No. 681,163. 8 Claims. (Cl. 51—215.)

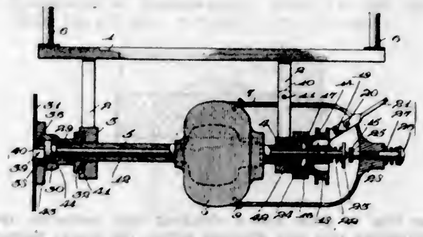


1. In a grinding machine, a carrier for the articles to be ground, means for imparting step-by-step forward movements to said carrier, a latch engageable with said carrier to limit the extent of said forward movements, and separate means for preventing backward movement of said carrier in the intervals between said forward movements.

1,582,482. FLYING MACHINE. ANDREW MRAULA, Camas, Wash. Filed June 2, 1925. Serial No. 34,324. 6 Claims. (Cl. 244—19.)

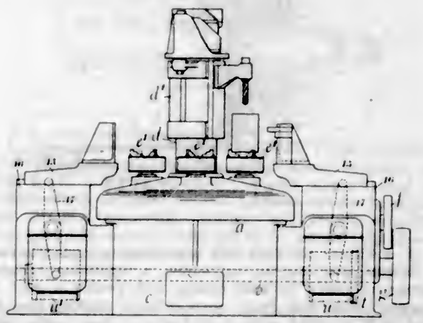
1. A flying machine comprising an upright frame, a propeller mounted at the upper end of said frame, gearing for driving said propeller, a sprocket wheel for driving said gearing, and pedals slidably mounted on said frame for operating said sprocket wheel.

1,582,483. MEAT CUTTER. GENIAH B. RUNYAN, Kusa, Okla. Filed Jan. 13, 1925. Serial No. 2,190. 10 Claims. (Cl. 146—77.)



1. A device of the character described comprising a circular saw having a slot, a knife for cutting meat occupying said slot, and means in positive connection with the knife and operable with a crank motion for projecting said knife until the end extends beyond the periphery of the saw to permit the cutting of meat.

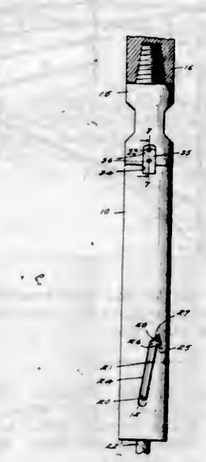
1,582,484. VERTICAL AUTOMATIC TURNING AND LIKE MACHINE TOOL. FRANK EATOCK RYDER, Bolton, England. Filed Nov. 3, 1924. Serial No. 747,639. 5 Claims. (Cl. 29—38.)



1. In vertical automatic machine tools, the combination comprising a bed, a base on which said bed is rotatably mounted, a plurality of rotatable chucks attached to spindles rotatably mounted on the said bed, means comprising frictional and positive clutch members giving a positive drive to the spindles with shockless starting and stopping of the same, a column projecting from said base and passing centrally through the bed, a tool holder mounted on said column above the bed and the said chucks thereon, means for imparting intermittent rotary movements to the bed, a plurality of supplementary bases radially disposed beyond the periphery of the bed and with the said column at the central position between them, tool slides mounted on said supplementary bases and means for reciprocating the said slides, as set forth.

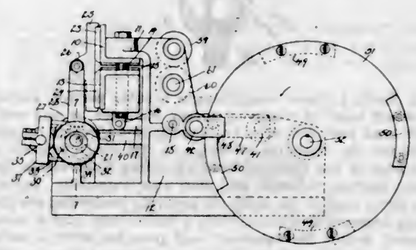
1,582,485. FISHING TOOL. JOHN M. SAULS, Wortham, Tex. Filed Jan. 28, 1926. Serial No. 84,392. 7 Claims. (Cl. 294—102.)

5. In a releasing slip socket, a barrel having slip seats, slips engaging said seats, a disk loosely slidable in the bore of the barrel in spaced relation to the upper end of said slips, links pivotally connected at their lower ends to the slips and at their upper ends to the disk, slots in the wall of the barrel within which the links operate and within which the links are capable of transverse movement, at least one of said slots having a cove normally in vertically spaced relation to the upper end of the link associated with the slot, the link of the slot having a bill, means at the upper end of the slot for directing said bill into the cove upon a predetermined elevation of the link, a sub in the upper end of the



slip barrel and a depending rigid member carried by said sub and projecting into the barrel and with which said disk is substantially in contact when said disks and slips are supported by the engagement of the bill of the link in said cove.

1,582,486. PAPER-FOLDING MACHINE. HARRISON A. SELFRIDGE, New Haven, Conn., assignor, by direct and mesne assignments, to The Duraform Company, Incorporated, New Haven, Conn., a Corporation of Connecticut. Filed June 5, 1923, Serial No. 643,599. Renewed Oct. 1 1925. 8 Claims. (Cl. 270—61.)

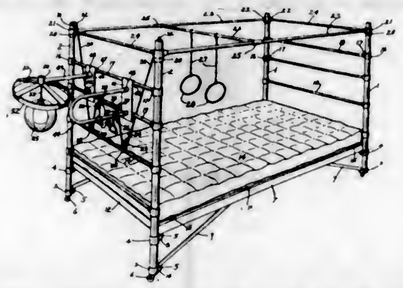


1. A folding machine comprising two clamping members between which the material to be folded is intermittently and automatically fed, folding means adjacent thereto consisting of two folding members adapted to be automatically moved in opposite directions across the path of the material to be folded, and connections between the said clamping members and folding means for timing their co-action.

1,582,487. GYMNASIUM BED. JOSEPH H. SHANK, Dayton, Ohio. Filed Apr. 28, 1924. Serial No. 709,409. 3 Claims. (Cl. 272—57.)

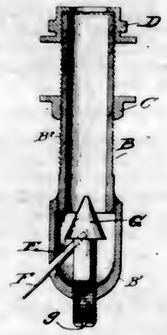
1. A gymnasium bed comprising head and foot corner posts, bottom side rails connecting said posts, stall bars

secured between the head corner posts and between the foot corner posts, outwardly projecting body suspending devices secured to the top stall bars and braced against



the lower stall bars, and bracing bars removably connected between the bottom ends of the corner posts and the end portions of the side rails.

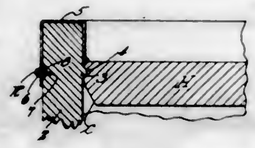
1,582,488. FLUSHING VALVE NOZZLE FOR URINALS. WILLIAM SHERWOOD, Detroit, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a Corporation of Michigan. Filed May 28, 1925. Serial No. 33,392. 1 Claim. (Cl. 299—121.)



A flushing nozzle comprising a tubular portion having a closed head of relatively larger diameter at one end; said head provided with an inclined slot through its side wall for the discharge of water; a flat blade secured to the wall of the enlarged head extending from within the body portion through the slot and outwardly beyond the outer wall of the head, its inwardly projecting portion being recessed to accommodate a valve stem, and a valve housed within the enlarged head provided with a screw threaded stem extending through a tapped hole in the closed end of the head for longitudinally adjusting said valve toward the contracted portion of the nozzle to control the discharge of water through the slot.

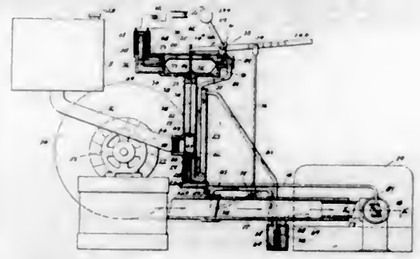
1,582,489. DRUM CONSTRUCTION. RALPH M. SNELL, North Agawam, Mass., assignor to Paper Makers Chemical Company, Willimansett, Mass., a Corporation of New Jersey. Filed Feb. 7, 1925. Serial No. 7,690. 4 Claims. (Cl. 229—5.5.)

1. The combination in a container of a shell having a groove around its outer wall and a rib on its inner wall, said groove and rib being substantially in the same plane, a head having a peripheral groove for engaging with said rib, a reinforcing ring embracing the walls at the end of the shell having a portion for abutting the outer side of said head to hold the head in place and being provided with a groove in the outer wall thereof to form a rib for engaging the groove of the drum to hold



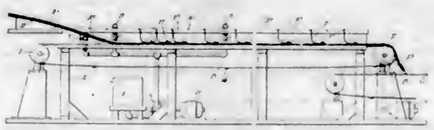
the ring in place and a clamping ring embracing the reinforcing ring and disposed within the groove thereof for holding the drum, head and reinforcing ring in interengaged relation.

1,582,490. OIL BURNER AND CONTROL MEANS. CECIL W. STANCLIFFE, New York, N. Y., assignor to Valveless Oil Burner Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,624. 6 Claims. (Cl. 158—28.)



1. A burner for fluid fuel comprising a casing having a lateral inlet and an end outlet, a regulating cylinder fitting rotatably in said casing, and having a port to register with said inlet, such cylinder having also an end wall provided with a guideway, a fuel nozzle pipe slidingly fitted in said guideway, and a Venturi tube slidingly fitted and suitably held in the outlet end of said regulating cylinder.

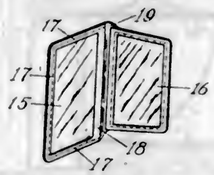
1,582,491. PROCESS AND APPARATUS FOR FORMING IMPREGNATED SHEETS. CHARLES B. STEVENS, New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,425. 16 Claims. (Cl. 91—30.)



1. In a process of forming impregnated sheets, subjecting a moving sheet, comprising a fibrous body and a binder, to intermittent trowelling.

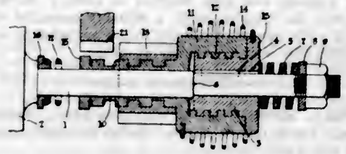
3. Apparatus for forming impregnated sheets, comprising in combination a carrier for the impregnated material and wiping means spaced along the line of movement of said material said wiping means being adjustable along said line of movement.

1,582,492. DETACHABLE CARDCASE FOR POCKET-BOOKS. GUY O. TANTLINGER, Chicago, Ill., assignor to Emil Weisbrod & Sons, Inc., Greenfield, Mass., a Corporation of Massachusetts. Filed Nov. 30, 1923. Serial No. 677,860. 6 Claims. (Cl. 150—39.)



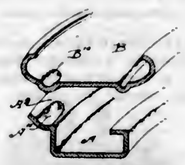
5. An article of manufacture comprising, an envelope having a transparent side open along one edge and a piece of relatively stiff material hingedly secured thereto adapted for insertion in a pocket of a pocket book.

1,582,493. ENGINE-STARTER DRIVE. HERBERT HORATIO TRAIL, Vancouver, British Columbia, Canada. Filed July 14, 1925. Serial No. 43,609. 11 Claims. (Cl. 74—7.)



1. An engine starter drive comprising a driving shaft, an externally screw threaded sleeve freely mounted on said shaft, a pinion mounted on said screw thread, a second sleeve mounted on and rotatable with the shaft, and a screw connection between said sleeves whereby rotation of the second mentioned sleeve causes axial movement of the first mentioned sleeve.

1,582,494. RIM AND FELLY. JAMES H. WAGENHORST, Jackson, Mich. Filed Apr. 2, 1921. Serial No. 458,006. 5 Claims. (Cl. 301—19.)

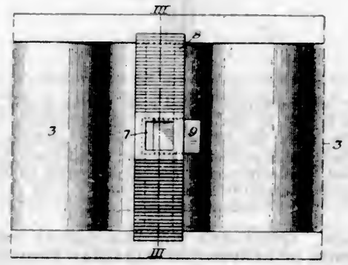


1. The combination with a fixed rim having legs, the front leg being sprung forwardly opposite the valve stem hole, of a tire carrying rim having an inwardly projecting bead, adapted to contact with the front leg of said fixed rim, the forwardly sprung portion of said leg engaging the demountable rim in front of the inwardly projecting bead.

1,582,495. MANUFACTURE AND TREATMENT OF LEATHER. OTTO WALTER, Hannover, Germany. Filed June 2, 1924. Serial No. 717,431. 7 Claims. (Cl. 149—6.)

7. A process for treating leather for rendering it highly resistant to tensile and compressive strains, consisting in impregnating the raw leather with a solution of a colloid, allowing the impregnated leather to drain, setting it aside to rest, stretching it in a stretching frame, heating the leather while in the said frame to a high temperature (about 25° to 40° C.), causing the leather to remain stretched in the said frame until it has set, removing the leather from the stretching frame and incorporating a filler consisting of a solution of resin with the leather.

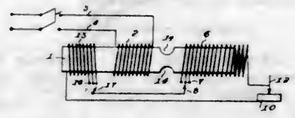
1,582,496. METHOD AND APPARATUS FOR ANNEALING AND COOLING SHEET GLASS. OTIS A. WELLS, Arnold, Pa., assignor to Window Glass Machine Company, Arnold, Pa., a Corporation of New Jersey. Filed Oct. 17, 1924. Serial No. 744,164. 5 Claims. (Cl. 49—47.)



1. In the method of annealing and cooling sheet glass, the steps consisting in supplying flat hot glass to a horizontally extending leer, passing hot gases through the leer in streams above and below the glass and withdrawing gases over substantially the entire width of the leer intermediate the ends of the leer.

2. Apparatus for annealing and cooling sheet glass, including a horizontally extending leer tunnel, means for passing sheet glass therethrough, means for introducing gaseous streams above and below the glass, and means intermediate the ends of the leer for withdrawing gases over substantially the entire width of the leer.

1,582,497. FORMS OF ALTERNATING-CURRENT ARC-WELDING APPARATUS. CHARLES B. WATERS, Montclair, N. J. Filed Feb. 4, 1924. Serial No. 690,490. 6 Claims. (Cl. 171—119.)

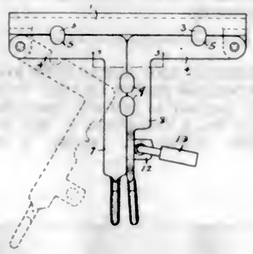


6. An arc welding transformer comprising a straight open magnetic core; a primary winding on said core; and a secondary winding comprising a main coil on said core closely associated with said primary winding and an auxiliary coil on said core so disposed with relation to said primary winding that a substantial flux leakage is induced between said auxiliary coil and said primary winding during welding operations.

1,582,498. PEDAL LOCK. ELDRED B. WILKERSON, Houston, Tex. Filed Jan. 9, 1922. Serial No. 528,034. 1 Claim. (Cl. 70—126.)

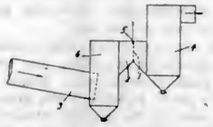
A pedal lock including a lock bar, end legs formed integrally with said bar and adapted to rest on the vehicle floor, and support said bar, one edge of said bar being formed with spaced notches, a lock arm hinged to

each end of said bar and adapted to lie alongside the bar, and formed with notches which register with the notches of the bar when in locking position, the free ends of said arms being outwardly turned and formed with registering notches said arms being movable toward and from each other in the common plane of the bar,



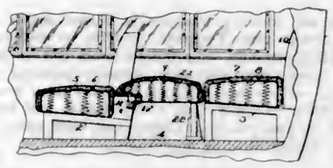
one of said outwardly turned ends having a slot, a projection carried by the other end which projects through said slot when the device is in locking position, means for locking said projection against withdrawal from the slot, and upwardly turned end grips carried by the free ends of said arms.

1,582,499. APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED MATERIAL FROM GASES. EMIL ZOPF, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 10, 1924. Serial No. 742,948. 3 Claims. (Cl. 183—7.)



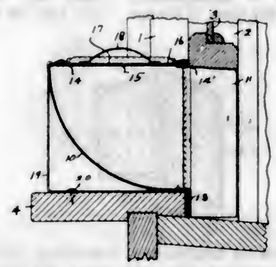
1. In combination with an apparatus adapted to produce a combustible or explosive mixture of gas and material suspended therein, an electrical precipitator, a flue connecting the aforesaid apparatus to the electrical precipitator to conduct said gases from said apparatus to said precipitator, and a screen interposed in said flue and adapted to prevent propagation of flame from said electrical precipitator to said apparatus.

1,582,500. AUTOMOBILE BED. THEODORE P. BAHR, San Francisco, Calif. Filed Apr. 29, 1925. Serial No. 26,681. 1 Claim. (Cl. 155—7.)



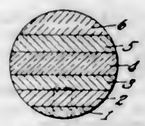
A hinged joint of the class described, comprising a hinged seat back, of sheet metal, upper and lower reinforcing strips fixed to the meeting edges of said joint, a cushion mounted on the upper portion of said seat back, a downwardly projecting member fixed to said upper reinforcing strip, and means for fastening the lower end of said cushion to said downwardly projecting member.

1,582,501. WINDOW GUARD. JESSE J. BAKER, Sr., Freeport, Tex. Filed Nov. 5, 1923. Serial No. 672,785. 1 Claim. (Cl. 98—31.)



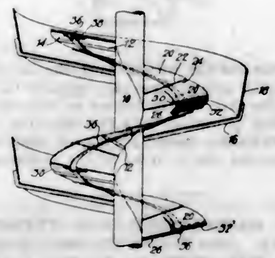
A guard for window openings including a transverse inwardly inclined deflector, a downwardly turned engaging flange carried by the lower margin of the deflector, supporting legs for the deflector, an end post hinged to each end of the deflector and projecting out beyond the corresponding ends of the deflector, a cover for the deflector provided with openings, a flange secured to the outer edge of the cover and projecting outwardly to form a sash support and also adapted to form a water tight joint with the window sash, a slidably mounted shutter provided with openings adapted to be moved into and out of registration with the cover openings.

1,582,502. KNOB. DAVID S. BARTLETT, Springfield, Mass. Filed Jan. 5, 1925. Serial No. 546. 1 Claim. (Cl. 16—121.)



In an article of manufacture, in combination, a knob comprising a plurality of sheets of pyroxylin of different color secured together in a superposed relation, the knob being formed so that the outer sheets are circumscribed by the marginal edges of the inner sheets.

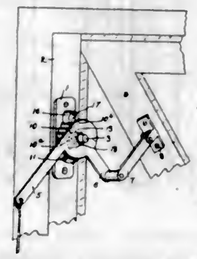
1,582,503. SPIRAL SEPARATOR. ADAM BENNER, Hazleton, Pa., assignor to Anthracite Separator Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed June 18, 1925. Serial No. 37,923. 4 Claims. (Cl. 209—117.)



1. A separator having a spiral runway over which the materials to be separated travel, said runway having an outer portion cut away on a line at an acute angle to a

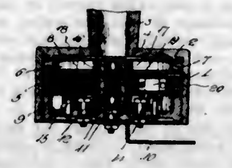
line passing through the central axis of the runway, and a plate movable over said cut away portion on an arc substantially concentric with said central axis.

1,582,504. MEANS FOR OPENING AND CLOSING WINDOWS. FRANK BIRD, Hamilton, New Zealand. Filed Aug. 27, 1924. Serial No. 734,468. 2 Claims. (Cl. 268—22.)



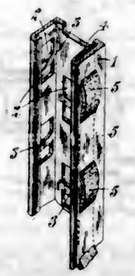
1. Casement window operating mechanism, comprising a bracket for attachment to the window casing and provided with a pivot pin; an operating element pivoted on said pin and embodying a cord arm and a crank arm integral with and disposed at an angle to each other; an arcuate rack fixed to the inner face of the operating element at the junction of its component arms and in concentric relation to the pivotal axis of said element; a bracket for attachment to the frame of the casement window; a connecting rod pivoted at one end to the last-named bracket and at the other end to the free end of said crank arm; a pawl pivoted to the first-named bracket in position for co-action with said rack; and means engageable by the end faces of the rack to limit the swinging movements of the window in either direction.

1,582,505. CIRCUITS FOR ELECTROMAGNETIC SOUND REPRODUCERS. CECIL E. BRIGHAM and CHARLES R. ROWE, East Orange, N. J., assignors to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 16, 1925. Serial No. 69,386. 9 Claims. (Cl. 179—117.)



1. In an electromagnetic sound reproducer, the combination of an electromagnetic driver, a diaphragm actuated by said driver, a plurality of windings carried by said electromagnetic driver, each of said windings being efficiently responsive to a particular range of audio frequency notes, said windings being positioned adjacent each other on said electromagnetic driver for combining their effects for operation of said diaphragm over the entire audible range of voice frequencies.

1,582,506. WINDOW GUIDE. WILLIAM DAWSON BRIDGWOOD, Aylesbury, England, assignor to Beckett, Laycock & Watkinson Limited, London, England, a British Company. Filed July 9, 1924. Serial No. 725,018. 4 Claims. (Cl. 296—44.5.)



1. In a window-channel for sliding windows, the combination of a rigid channel-sectional bar that is perforated at intervals along its length in its web and in its flanges, and a plurality of strips of cushioning material respectively associated with the said web and flanges, each strip being threaded through said perforations to provide a series of cushions spaced apart along the length of each side of each wall of the channel-sectioned bar.

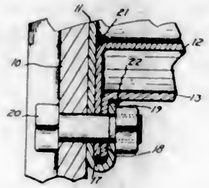
1,582,507. HOLLOW RUBBER ARTICLE. FERDINAND F. BRUCKER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed June 19, 1924, Serial No. 721,092. Divided and this application filed Jan. 6, 1925. Serial No. 914. 1 Claim. (Cl. 181—27.)

A horn or amplifier having a bell portion of cellular hard rubber and a neck portion of solid hard rubber integrally united thereto.

1,582,508. TEXTILE ROLL. HERMAN F. BUSCH, Millvale, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1925. Serial No. 1,799. 5 Claims. (Cl. 19—143.)

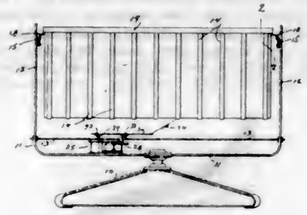
1. A textile roll having a sleeve formed from compressed artificial cork, the direction of compression of the cork being substantially parallel to the axis of the roll, and a leather covering thereon, substantially as described.

1,582,509. MARSHMALLOW-BEATING MACHINE. EARLE MERRITT CHASE, Springfield, Mass., assignor to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed July 13, 1923. Serial No. 651,275. 4 Claims. (Cl. 220—1.)



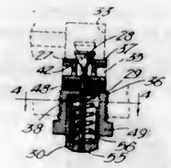
1. In a marshmallow beater, a casing having end members and inner and outer cylindrical walls of sheet metal firmly secured together, said walls being spaced apart and having out-turned flanges and said end members being folded about said out-turned flanges to prevent relative displacement of said parts.

1,582,510. CRADLE. SAMUEL CIPRESSO, Buffalo, N. Y. Filed May 4, 1925. Serial No. 27,755. 1 Claim. (Cl. 5—101.)



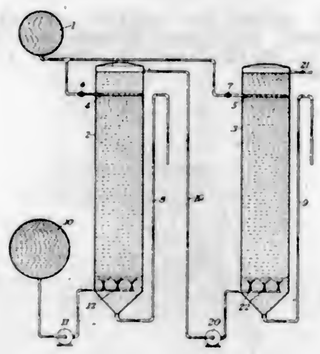
A motor driven cradle comprising a base, a cradle supporting yoke carried by the base and provided with pivot pins and stop pins, a cradle, an arm carried at each side of the cradle and formed with an aperture for engagement with the pivot pin at each side of the yoke, and each arm being also formed with a stop aperture engageable with the stop pin at each side of the yoke.

1,582,511. VALVE STRUCTURE FOR ACETYLENE TORCHES. CLARENCE J. COBERLY, Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed June 5, 1923. Serial No. 643,559. 2 Claims. (Cl. 251—134.)



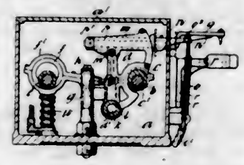
1. In a valve structure, the combination of: a cap; and a valve stem threadedly engaging said cap, an end of said stem being soft and riveted over said cap, said cap being hardened to cut the riveted portion of said stem when said stem and cap are being unscrewed.

1,582,512. RECOVERY OF PHENOLS AND CRESOLS. ROBERT M. CRAWFORD, Pittsburgh, Pa. Filed Apr. 16, 1925. Serial No. 23,711. 8 Claims. (Cl. 260—154.)



1. The process of selectively recovering phenol and cresols from their containing oils comprising continuously washing a stream of the oil with an alkaline solution containing approximately the amount of alkali requisite to recover the phenol only as an alkali metal phenolate, and thereafter washing the stream of oil with a second alkaline solution to recover the cresols as alkali metal cresylate.

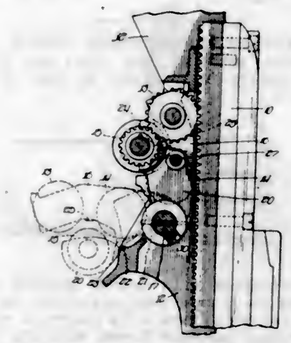
1,582,513. LENS-GRINDING MACHINERY. WILLIAM GEORGE DOLEY, Torrensville, South Australia, Australia. Filed Apr. 5, 1922. Serial No. 549,671. 1 Claim. (Cl. 51—160.)



In lens grinding machinery, the combination of a casing, a fixed guide shaft therein, a carriage rotatably and slidably mounted on the guide shaft, a bar hinged to said carriage, a lens holder carried by said bar, means for applying pressure to said lens holder, and means for imparting to said carriage two reciprocal movements perpendicular to each other, said last named means comprising two independently driven parallel driving shafts mounted in said casing, an eccentric block on each shaft, a strap carried by the carriage and in operative engagement with one of said blocks for rocking the carriage on said guide shaft, a strap in operative engagement with the other block, and a bell-crank articulated between said last named strap and the carriage for sliding said carriage on said guide shaft.

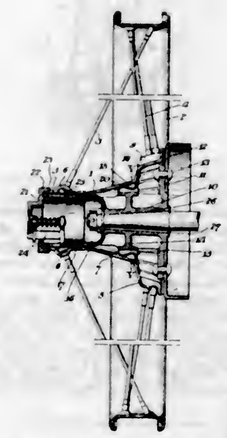
1,582,514. ROLLER MECHANISM. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,609. 8 Claims. (Cl. 101—354.)

1. In a printing press, the combination of an inking roller, a vibrating roller, bracket means in which said inking roller is mounted, bracket means in which said vibrating roller is mounted, and a shaft upon which both of said bracket means are mounted, one of said bracket



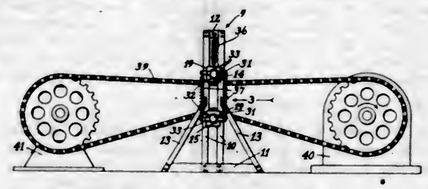
means having a lost motion connection with said shaft in a manner to permit said rollers to move out of engagement with each other.

1,582,515. DEMOUNTABLE WHEEL. LEWIS FINE, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 24, 1919. Serial No. 312,894. 3 Claims. (Cl. 301—9.)



1. In a demountable wheel, the combination of an inner hub, an outer hub removably mounted thereon, intermeshing means preventing the rotation of said outer hub relative to said inner hub, which means is of such slight variation in radius and so great axial taper that the hubs may occupy substantially correct relative axial positions without effective engagement of the intermeshing means, a hub cap mounted on one of said hubs and engaging the other to hold the two hubs in engagement, and projecting means other than said intermeshing means operating as a stop for preventing the attachment of said hub cap except when said intermeshing means are angularly in intermeshing relationship with respect to each other.

1,582,516. BELT TIGHTENER AND GUIDE. VICTOR L. GIBSON, Los Angeles, Calif. Filed May 25, 1925. Serial No. 32,732. 1 Claim. (Cl. 64—5.)



A belt tightener and guide for use with belt driven machinery, comprising a frame having two pairs of parallel guide bars, two pairs of bearing blocks slidably mounted between said guide bars, two transverse shafts journaled in said bearing blocks, an idler wheel mounted on each of said transverse shafts between its bearing blocks, loose bearings mounted on the ends of said transverse shafts adjacent said bearing blocks, laterally extending arms formed integral with said loose bearings and helical springs connected to said arms so as to extend between adjacent ends of said transverse shafts, whereby said idler wheels are resiliently held in contact with the two sides of a belt running between them.

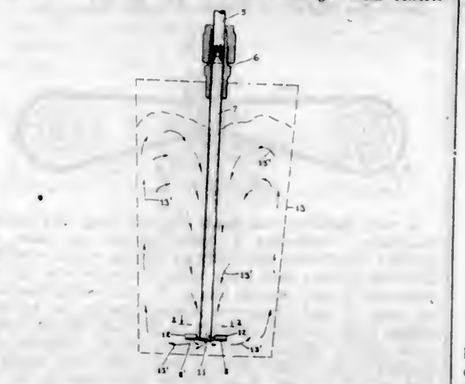
1,582,517. CONDUCTOR'S VEST. HARRY GURWITZ, Providence, R. I. Filed Aug. 26, 1925. Serial No. 52,483. 4 Claims. (Cl. 2—51.)

1. In a vest of the type set forth, a lining, pockets comprising back walls formed by the lining and front walls fixed to the lining, horizontal leather strips fixed to the lining above the pockets and extending behind the front walls, horizontal leather strips having their upper margins folded inwardly with inwardly folded margins of the front walls, stitches connecting the folded margins of the walls and strips, and a seam connecting the unfolded edges of the last mentioned strips with the backs of the front walls below the stitches.

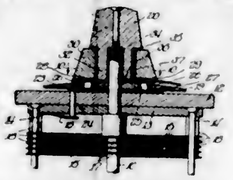
1,582,518. AGITATOR. MARTIN HORRELL, Racine, Wis., assignor to Hamilton Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Dec. 18, 1922. Serial No. 607,715. 2 Claims. (Cl. 259—134.)

1. An agitator, consisting of a plate of flat material having L-shaped cut away portions extending inwardly from the edge thereof to form upturned and forwardly extending radial flanges of approximately the same width throughout their length which exert a tendency to draw the ingredients being mixed downwardly through the

slots formed by the cut away portions towards the center portion of the plate and discharge them centrifugally therefrom, the rear edge portions of the plate formed by the cuts extending in a flat plane with the body portion.

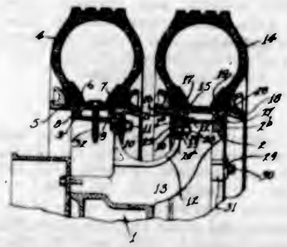


1,582,519. VARIABLE CONDENSER. CLINTON H. HULBERT and WILLIAM J. TIDEMAN, Menominee, Mich., assignors to Signal Electric Mfg. Co., Menominee, Mich., a Corporation of Michigan. Filed Jan. 10, 1923. Serial No. 611,691. 16 Claims. (Cl. 250—41.)



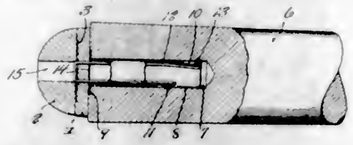
1. An adjustable condenser comprising relatively stationary plates and plates of the opposite polarity movable relative thereto, an operating shaft for said movable plates electrically connected thereto, operating mechanism for said shaft having a cylindrical portion, a fine adjustment condenser element carried by said cylindrical portion and a rotating member encircling said cylindrical portion carrying another fine adjustment condenser element, one of said fine adjustment condenser elements being electrically connected to said stationary plates, the other of said fine adjustment condenser elements being connected to said operating shaft.

1,582,520. DUAL-TIRED TRUCK WHEEL. LLOYD D. KAY, Los Angeles, Calif. Filed Mar. 5, 1925. Serial No. 13,109. 7 Claims. (Cl. 301—13.)



1. A truck-wheel having a felloe in combination with a rim to carry the tire and having a seat on its inner face disposed toward the inner edge of the rim, a key-ring seating on the felloe and having a face to receive the said seat, and bolts permanently carried by the key-ring extending from the same toward the plane of the outer edge of the rim for securing the key-ring in place on the wheel.

1,582,521. RUBBER-TIP-FASTENING DEVICE. STANISLAW KIELAR, Milwaukee, Wis. Filed Dec. 13, 1923, Serial No. 680,431. Renewed Nov. 23, 1925. 2 Claims. (Cl. 273—70.)



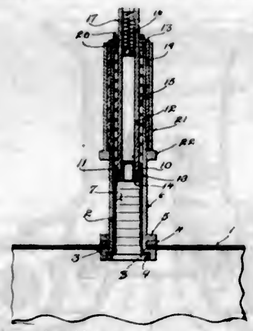
1. The combination of a member provided with a bored out portion, a tube positioned within said bored out portion and having slots in its inner end, said slots defining a tongue integrally formed with said tube, a rubber tip having an apertured disk embedded therein, and a U-shaped spring passing through the apertures in said disks and having a hooked end adapted to engage said tongue to lock said tip removably to said member.

1,582,522. COMBINATION UNDERGARMENT. THOMAS LA MAIDA, Cleveland, Ohio. Filed Aug. 8, 1925. Serial No. 49,037. 3 Claims. (Cl. 2—78.)

1. A combination undergarment for women comprising a brassière top portion, having a pair of downwardly extending pinning tabs centrally of the front and back thereof, a nether garment portion in the form of bloomers attached at their upper edge to the lower edge of said brassière top portion and receiving said pinning tabs within the same, said bloomer portion being provided with an opening extending from the hip line through the bottom edge of one leg portion, through which access will be readily afforded to said pinning tabs, and separable fasteners secured to the respective margins of said opening.

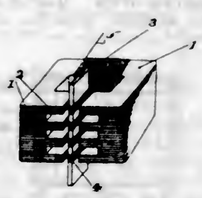
1,582,523. INFLATION VALVE AND GAUGE. ELMER L. LARSON and CHARLES A. BRAUNGER, Oconomowoc, Wis. Filed Oct. 31, 1924. Serial No. 747,016. 2 Claims. (Cl. 152—11.5.)

1. A combined filling tube and gauge comprising a main tube having an externally threaded lower portion and a smooth upper portion, and having an outwardly projecting shoulder at its lower end, a nut threaded upon said tube and adapted to clamp an inner tube against said shoulder, an expansible sack positioned within said main tube, a piston loosely fitting within said main tube and secured to the upper end of said sack and communicating therewith, the lower end of said sack being secured within said shoulder, said piston having an outwardly turned lower shoulder, said main tube having an inwardly turned upper shoulder, a compression spring positioned between the shoulder of said main tube and piston, a valve carried by the upper end of said main tube, a graduated sleeve secured adjacent the upper end of said piston and slidably fitting the



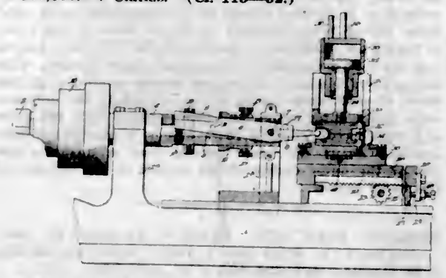
smooth portion of said main tube, an adjustable sleeve slidably fitting said first mentioned sleeve and having an inwardly turned threaded shoulder engaging the threaded lower portion of said main tube, whereby said last mentioned sleeve may be initially adjusted.

1,582,524. ELECTROMAGNETIC WAVE-SIGNALING SYSTEM. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed July 15, 1920. Serial No. 396,502. 11 Claims. (Cl. 171—242.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



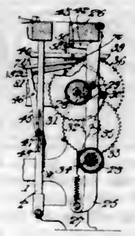
1. In a regulating inductance for high frequency currents, a U-shaped magnetic core, a winding on said core, and a movable armature adapted to be moved by means of an outside force, said armature being formed of alternately arranged electrically conducting and insulating parts.

1,582,525. MACHINE FOR SPINNING, TRIMMING, OR FLANGING THIN METAL TUBES. CLARENCE W. LUCAS, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Dec. 18, 1922. Serial No. 607,600. 7 Claims. (Cl. 113—52.)



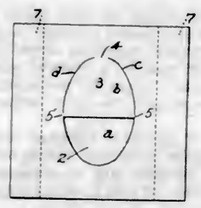
1. In a machine of the character described, the combination of a supporting frame, a rotary spindle mounted in relatively stationary bearings on the frame, a tool holder supported by the spindle, a support for a tube mounted on the frame, means for moving the tube support toward and from a position to be operated on by a tool in the tool holder, adjustable means for limiting the movement of the tube support toward the spindle, means for adjusting the tube transversely of said support, and adjustable means for limiting the reciprocation of the tube transversely of its support in either direction.

1,582,526. LOOM. WILLIAM J. LUTTON, Paterson, N. J., assignor of one-half to Maurice Franck, Paterson, N. J. Filed Dec. 17, 1924. Serial No. 756,441. 7 Claims. (Cl. 139—24.)



1. In a loom, the combination with the frame, the lay beam, the winding beam, the winding roll, the gears and their shafts carried by the frame, said gears connecting said winding beam and roll, and the pattern chain, of a ratchet wheel coacting with said gears to control the movement of the winding beam, an arm pivoted to the frame and actuated by the lay beam, a fixed pawl carried by said arm arranged to engage said ratchet wheel for controlling the movement of the gears for winding the beam and roll, mechanism controlled by the pattern chain for releasing said pawl from the ratchet wheel, and a device engaging the ratchet wheel and having a limited movement therewith for predetermining the rearward movement of the winding beam.

1,582,527. SAFETY TOILET-SEAT COVER. ALFRED MARKS, Lomita Park, Calif. Filed Feb. 3, 1922. Serial No. 533,988. 4 Claims. (Cl. 4—243.)

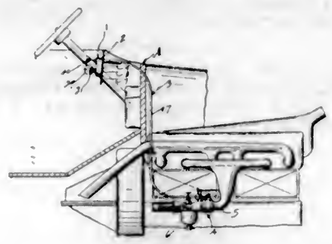


1. A toilet seat cover comprising a sheet having a centrally arranged incipient orifice and a tab outlined by slits and connected to the sheet at the front end of the orifice and lightly connected with the body of the sheet at the rear portion, the connections at the rear portion of said tab being breakable by pressure of a seated person.

1,582,528. FUEL AND IGNITION LOCK FOR MOTOR VEHICLES. ROBERT W. MICHAEL, San Francisco, Calif., assignor, by mesne assignments, to Auto-Matik-Auto Lock Co., Phoenix, Ariz., a Corporation of Arizona. Filed Aug. 23, 1924. Serial No. 733,720. 7 Claims. (Cl. 70—127.)

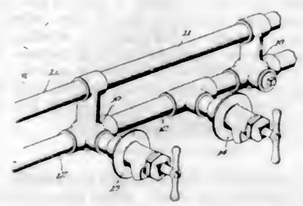
1. In a fuel and ignition lock for motor vehicles the combination with an ignition circuit having two sources of supply of electrical energy and a fuel feed line leading from the carburetor to the engine of the motor

vehicle, of a selective switch for connecting either source in said circuit which switch at all times maintains an electrical connection with one of the said sources, of an inclosed inaccessible circuit closer for controlling the ignition circuit, a means for shutting off the feed of



fuel in said fuel feed line and means of connection between the fuel shutting off means and the inclosed circuit closer causing the circuit closer to open and break the ignition circuit simultaneously with the operation of said fuel shutting off means to shut off the feed of fuel.

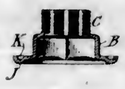
1,582,529. WASH-TRAY BIB. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Mar. 21, 1925. Serial No. 17,279. 16 Claims. (Cl. 137—75.)



4. An integral fitting of the class described comprising horizontally disposed conduits in parallelism with each other, a laterally projecting nipple intermediate the ends of the lower conduit, a vertical connection joining said conduits, and outwardly projecting leveling lugs diametrically arranged in the outer surface of said vertical connection.

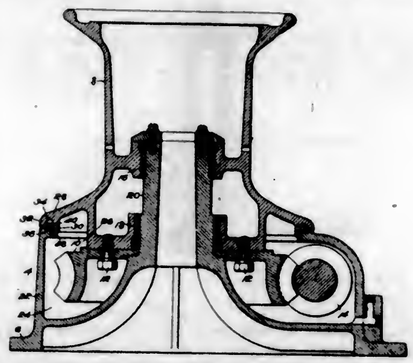
16. A fitting of the class described comprising spaced conduits, a laterally projecting nipple between the ends of one of said conduits, and a communicating passage connecting the other of said conduits with said nipple.

1,582,530. RIM NUT. CHARLES NOLL, Brooklyn, N. Y., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 17, 1925. Serial No. 16,099. 5 Claims. (Cl. 85—32.)



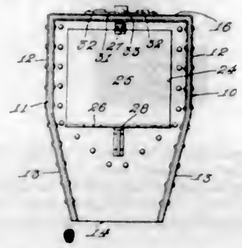
2. A sheet metal rim nut for tire valves or the like, having a tubular extension which is alternately indented inwardly and outwardly to provide parallel ridges, said ridges being screw-threaded to provide internal and external threads on the tubular extension.

1,582,531. WINCH. ALMON E. NORRIS, Brookline, Mass. Original application filed Mar. 31, 1921, Serial No. 457,271. Divided and this application filed Apr. 13, 1922. Serial No. 552,400. 5 Claims. (Cl. 254—150.)



1. In a cable winding apparatus, the combination of a cable winding spool and a base presenting a chamber, and driving means housed in said chamber, said spool and base being provided with means to prevent the escape of oil at the joint between them, the last-mentioned means including concentric annular parts one of which presents a beveled edge within said chamber.

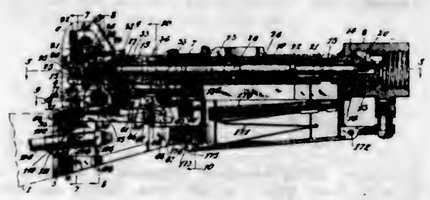
1,582,532. COOKING OVEN. MARTIN S. OWEN, Cairo, Ill. Filed May 23, 1925. Serial No. 32,477. 1 Claim. (Cl. 126—275.)



In a stove of the character described, an outer casing including a rectangular elongated upper portion and a substantially trapezoidal lower portion formed as a continuation thereof, both sides, both ends and the top of said casing being closed and the bottom being open, the closed top having an opening therein adapted to be covered to a selected extent by an adjustable plate, said outer casing being adapted to be set upon a gas stove or range, an inner casing located within the outer casing and having an elongated rectangular upper portion, with downwardly inclined converging bottom portions, all the walls of said inner casing being secured to the opposite ends of the outer casing and being spaced from the sides and top thereof whereby there will be a continuous heat chamber about the inner casing, and a door in one end of the outer casing giving access to the interior of the inner casing.

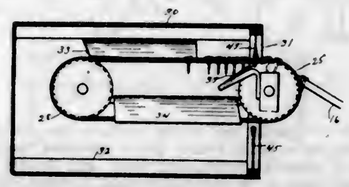
1,582,533. BOLT GUN. RALPH G. PACKARD, Jr., Morristown, N. J. Filed June 1, 1922. Serial No. 565,039. 34 Claims. (Cl. 42—16.)

17. A bolt gun including a receiver frame, an operating bolt having locking-lugs, a firing-pin carried by the bolt and a cocking-piece carried by the firing-pin including cocking lugs, said receiver being formed with longitudinal grooves open at the rear end and in which both said cocking-piece lugs and said locking lugs slide.



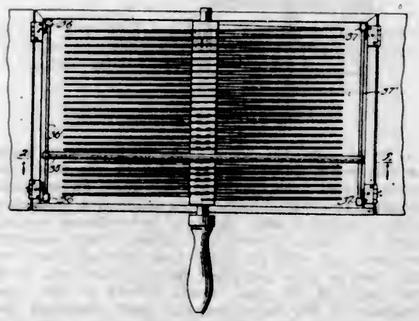
20. A gun including a receiver frame, a firing-plunger and firing-spring operating substantially in alinement with the barrel, in combination with a rear sight on the rear end of the firing-bolt and fixed guards extending upwardly from the frame substantially above the level of said sight and located so as to laterally cover the sight both in the cocked and uncocked positions of the firing-pin which carries it, in combination with a thumb trigger located between said guards below the level of said firing-bolt.

1,582,534. MACHINE FOR DISTRIBUTING AND DRIVING NAILS. GLEN PARKS, Seattle, Wash. Filed Feb. 21, 1924. Serial No. 694,328. 1 Claim. (Cl. 1—6.)



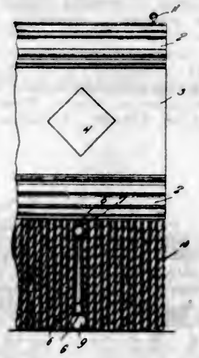
In combination, a rotatable drum, spaced belt members within said drum providing a slit through which the bodies of the nails may pass but not the heads thereof, means within said drum for elevating nails and depositing them on said belt members, and a radially disposed brush at the open end of said drum adapted to wipe over the belt members and to dislodge loose nails therefrom.

1,582,535. CARD INDEX. GEORGE H. PEGRAM, South Orange, N. J. Filed Sept. 15, 1923. Serial No. 662,839. 10 Claims. (Cl. 129—16.)



1. The combination, in a card index, of means to form a spiral card index system, means for bodily rotating said system, and means for exposing to view any selected card area in said system.

1,582,536. WINDOW VALANCE. FRANK N. POULALION, Westerville, Ohio. Filed Dec. 30, 1924. Serial No. 758,932. 2 Claims. (Cl. 41—10.)

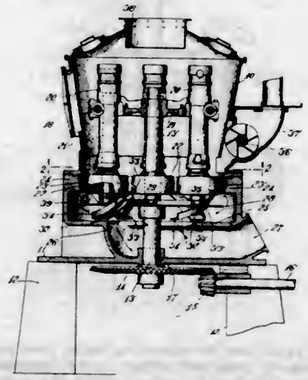


1. A valance for the purpose specified comprising a backing board, upper and lower strips of molding fastened to the front face of said backing board and providing a guideway, a removable ornamental panel fitting into said guideway, an ornate pendant suspended from the lower strip of molding, and a draped background for said pendent also suspended from said molding, said background being made up of bullion fringes.

1,582,537. PURIFICATION OF STARCH. MARTIN J. PAUCHA, Urbana, Ill., and JOHN MAX WIDMER, Cedar Rapids, Iowa, assignors to Penick & Ford Ltd. Incorporated, a Corporation of Delaware. Filed Dec. 10, 1920. Serial No. 429,760. 13 Claims. (Cl. 127—35.)

8. A method for removing residual protein impurities from starch which has been separated from its vegetable source, and from which the bulk of the protein has been removed, which consists in treating the starch with sulphur dioxide to destroy or inhibit bacterial life, then treating the same with pepsin to make soluble substantially all of the protein, and dissolving and removing the protein matter thus made soluble.

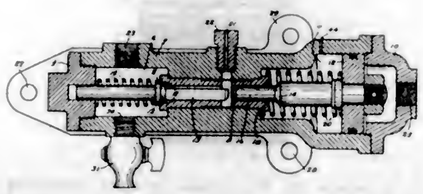
1,582,538. PULVERIZING MILL. FRED I. RAYMOND, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1923. Serial No. 647,582. 24 Claims. (Cl. 83—45.)



1. In a pulverizing mill, the combination with a circular grinding surface, grinding elements cooperating therewith, an air intake below said grinding surface, and

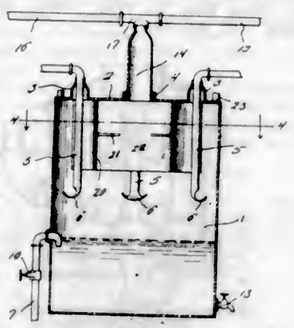
means for feeding the material into the mill; of means for directing the incoming air outwardly and then upwardly and inwardly beneath the grinding surface and through the stream of material falling from said grinding surface to produce a separation of the material as it falls.

1,582,539. BRAKE-RETAINER-VALVE MECHANISM. SABRET A. RICHARDSON, Seattle, Wash. Filed July 31, 1922. Serial No. 578,640. 3 Claims. (Cl. 303—76.)



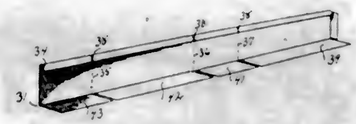
1. In combination with a railroad car compressed fluid brake mechanism, a retainer compressed air line in addition to the main air line; a brake retainer valve embodying a valve means in each end thereof, valve seats oppositely disposed to register with said means, a brake mechanism communicating port in one end of said valve, a retainer air line communicating port in the opposite end of said valve, and a resilient means operatively disposed with respect to said valve means in said retainer air line end of said valve, said resilient means being characterized by being only of such strength as to maintain the associated valve means in open position during the filling of the retainer air line with compressed fluid.

1,582,540. VACUUM FLOW TANK AND GAS SEPARATOR. OREN B. RIDDLE, Tulsa, Okla. Filed Feb. 13, 1925. Serial No. 8,979. 5 Claims. (Cl. 183—27.)



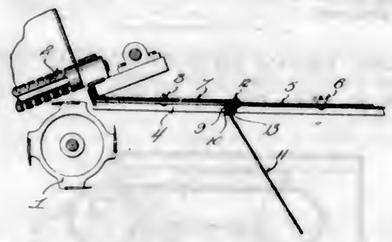
1. An apparatus for separating casing head gas from oil comprising a tank, oil supply pipes extending downwardly into the tank, and upwardly directed deflectors on the discharge end of the supply pipes for spraying the oil against the inner wall of the tank, whereby the gas is separated from the oil.

1,582,541. METAL RECEPTACLE AND METHOD OF MAKING SAME. SOREN RINGER, Cicero, Ill. Filed Feb. 21, 1924. Serial No. 694,225. 6 Claims. (Cl. 220—62.)



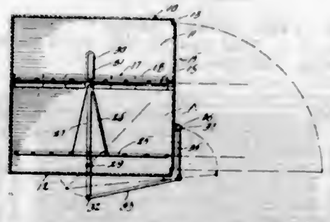
1. A sheet metal receptacle including a plurality of side walls made from a single blank having one edge curled to constitute a reinforcing bead, said bead being flattened at a point where the blank is bent to form a corner of the receptacle.

1,582,542. CORN HUSKER. AUGUST ROSENTHAL, West Allis, Wis., assignor to Rosenthal Manufacturing Co., West Allis, Wis. Filed Feb. 23, 1926. Serial No. 90,060. 4 Claims. (Cl. 130—5.)



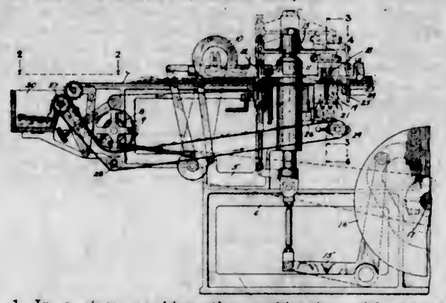
1. In a husking and cutting machine, the combination of husking rolls, a rotary cutter mounted below said rolls, a casing enclosing said cutter and through which the cut material is adapted to pass, a removable plate carried by said casing and affording access to said casing, and a guard located within said casing between the removable plate and the cutter.

1,582,543. OVEN-RACK SHIFTER. GEORGE W. ROWDEN, Ellenwood, Ga. Filed Apr. 28, 1925. Serial No. 26,496. 2 Claims. (Cl. 126—34.)



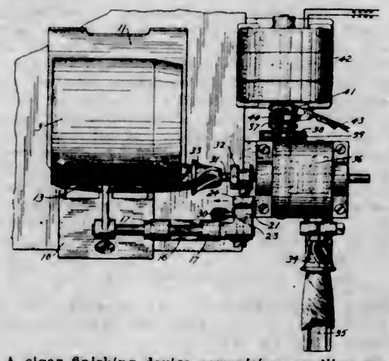
1. In an oven, the combination, an oven body including side walls, guide tracks carried by the side walls, and a pivoted oven door, an upper rack, an outwardly extending arm carried by the sides of the rack, slide plates rigidly connected with the arm and slidably mounted within the tracks, a lower rack, means rigidly connecting the lower rack with the upper rack, shifting levers rockably mounted at a point intermediate their ends to the side walls of the oven, heads formed on the upper terminals of the levers provided with elongated slots for receiving the arms, links disposed on each side of the oven having their outer terminals connected respectively to the lower ends of the levers and to the oven door, and means pivotally connecting the meeting terminals of the links together.

1,582,544. CIGAR-MACHINE RETURN-FEED MECHANISM. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Nov. 26, 1923. Serial No. 677,131. 8 Claims. (Cl. 131—39.)



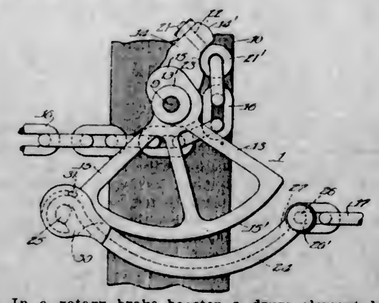
1. In a cigar machine, the combination with means for feeding filler to trimming position and there trimming it, of means coacting therewith to return filler trimmings to antero-feed position, said returning means being intermittently operative.

1,582,545. CIGAR-FINISHING DEVICE. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed May 3, 1924. Serial No. 710,786. 5 Claims. (Cl. 131—39.)



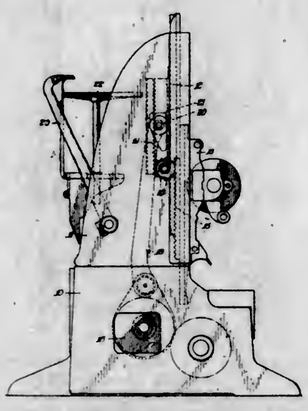
1. A cigar finishing device comprising rerolling means, and mechanism receiving a cigar therefrom and acting to knurl its head.

1,582,546. BRAKE BOOSTER. THOMAS N. RUSSELL, Chicago, Ill. Filed Oct. 17, 1924. Serial No. 744,145. 8 Claims. (Cl. 74—110.)



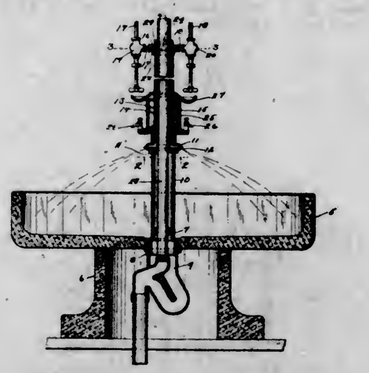
1. In a rotary brake booster a drum element having an eye-bolt set in the face thereof, a flexible tension member anchored to the eye end of said eye-bolt, said element being apertured to receive the eye part of the bolt nestingly therein, whereby shear and bending stresses in the bolt are minimized when tension is applied to said member.

1,582,547. PRINTING PRESS. WILLIAM SAXON, Oak Park, Ill., assignor to Miehle Printing Press & Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed June 15, 1922. Serial No. 568,486. 2 Claims. (Cl. 101—272.)



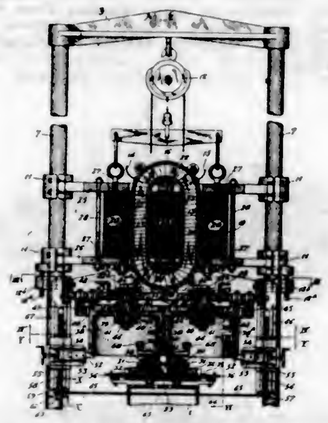
1. In a vertical type of printing press, the combination of a type bed, a pile delivery table to the rear of said bed, a driving member, and connecting rods operatively connecting said type bed and driving member and spaced apart for accommodating said pile delivery table as it is lowered between said connecting rods directly in the rear of said type bed.

1,582,548. OVERHEAD FEED AND VENT WASH FOUNTAIN. LOUIS SCHLESINGER and HERMAN E. HEINE, Milwaukee, Wis., assignors to Bradley Washfountain Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 25, 1925. Serial No. 32,750. 8 Claims. (Cl. 4—191.)



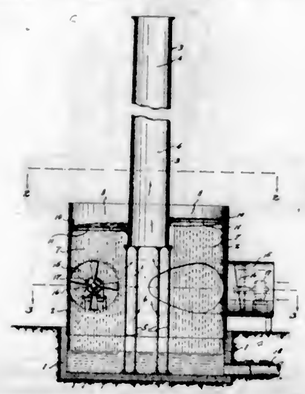
1. An overhead feed wash fountain, comprising a standard having a basin thereon, a supporting tube rising from the basin, a fountain mounted on the supporting tube, a vent pipe extending through the supporting tube and the fountain, and means for supplying water to the fountain.

1,582,549. ELECTRIC WELDING MACHINE. FRANK L. SESSIONS, Lakewood, Ohio, assignor to The Elyria Iron & Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 1, 1922. Serial No. 548,752. 50 Claims. (Cl. 219—6.)



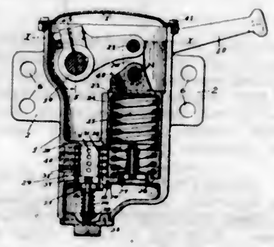
13. In an electric butt tube welding machine, an electric circuit, a pair of independent revoluble, cylindrical open-end wall containing electrodes electrically connected to the terminals thereof, one of said electrodes being in electrical connection with one terminal and the other of said electrodes being in electrical connection with the other terminal of said circuit, said electrodes being adapted to make end contact upon opposite sides of the tube seam cleft, and a pair of electrode-scraping tools located out of the plane of the seam cleft, one in contact with one and the other in contact with the other of said electrodes adapted to scrape the respective, work-contacting surfaces thereof, and means for feeding said tools in a direction parallel to the axes of the electrodes, each of said tools being supported by means in electrical connection with that terminal of said circuit to which the electrode with which said tool contacts is electrically connected.

1,582,550. COOLING TOWER. JAMES M. SEYMOUR, Newark, N. J. Filed Mar. 11, 1925. Serial No. 14,654. 6 Claims. (Cl. 261—79.)



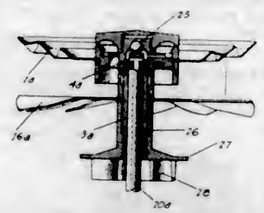
1. A substantially cylindrical cooling tower, the top of said tower having a central discharge opening to the atmosphere, an annular water trough at the upper end of said tower having a perforated bottom to deliver divided streams of water for descent through said tower, means for forcing a plurality of streams of atmospheric air tangentially into said tower for unimpeded rotative movement through the descending water streams, said tangential air streams being projected along the side walls of said tower until each stream reaches the stream in advance thereof which will crowd the former toward the center of the tower where it may pass out freely to the atmosphere through said discharge opening, and a catch basin at the bottom of said tower.

1,582,551. SHOCK ABSORBER. PHILIP W. SIMMONS, Portland, Me. Filed June 22, 1925. Serial No. 38,805. 5 Claims. (Cl. 267—8.)



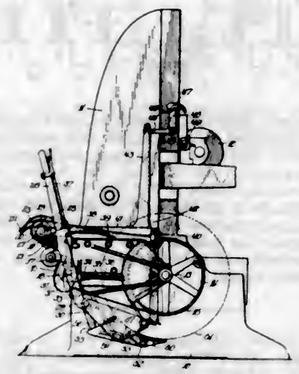
1. In a shock-absorber, comprising, in combination, a fluid holding vessel, a cylinder therein, having apertures through the wall thereof, a piston operable within said cylinder, means to actuate said piston, a sleeve located within said vessel and in contiguous relation to said cylinder and having a plurality of groups of apertures therethrough, said groups of apertures, therethrough, said groups of apertures, singly and alternately and at predetermined times, being adapted, in cooperation with said apertures in said cylinder, to provide restricted passages of dissimilar and predetermined sizes for the egress of fluid from said cylinder to said vessel, and yielding means supplementing said positive restrictive means to retard the movement, forwardly, of said piston in said cylinder.

1,582,552. OIL BURNER. IRA E. SMITH, Stockton, Calif. Filed Apr. 18, 1925. Serial No. 24,147. 10 Claims. (Cl. 158—77.)



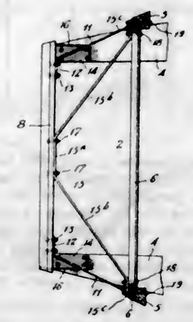
4. An oil burner comprising a horizontally disposed and rotatable burner plate, and a hollow hub structure mounted in unitary connection with the plate; said hub structure including a member having a tubular axial sleeve into which oil is initially fed, said member being formed with a continuous groove in its upper face between the sleeve and the outer periphery of the member, there being passage means from the sleeve to said groove, means covering the member to form an interior chamber of which the groove is a part and providing an outlet passage from said member above the groove, there being openings in said member leading down from said chamber inwardly of the groove to the atmosphere, said openings extending around said member in concentric relation therewith and the ends thereof being cut on a slant whereby to form fan like elements acting to create an upward current of air into the chamber with the rotation of the plate.

1,582,553. BRAKING MECHANISM. BURT D. STEVENS, Evanston, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1923. Serial No. 627,570. 9 Claims. (Cl. 192—11.)



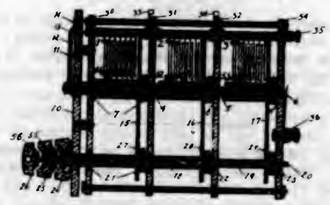
1. In a printing press, the combination of a press operating shaft, a driving shaft, a power transmitting belt therebetween, a plurality of idler pulleys for controlling the tautness of said belt, an operating lever carrying one of said pulleys and controlling the operation of the press, and press braking means controlled by said lever.

1,582,554. BODY CONSTRUCTION. FRANK C. STIER, Cleveland, Ohio, assignor to The Baker R & L Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 6, 1922. Serial No. 527,497. 2 Claims. (Cl. 296—28.)



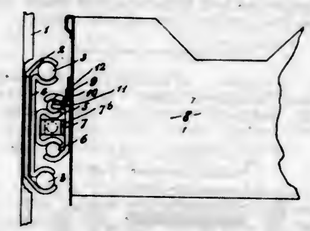
1. In a body construction for vehicles, the combination of a body having a pair of frame members, uprights connected to said frame members, respectively, a bar disposed above said frame members and connected at its opposite ends to said uprights, a cowl supporting member connected to said frame members in spaced relation to said bar, a combined connecting and bracing element of U-shape arranged in substantially horizontal position, the base portion of said element being connected to the central portion of the said cowl supporting member and its legs diverging therefrom toward the opposite sides of the body and overlapping the joints between said bar and said uprights, and means for connecting each said leg to said bar and the adjacent upright.

1,582,555. DEVICE FOR CONTROLLING AND INDICATING THE TUNING OF RADIO INSTRUMENTS AND THE LIKE. ERWIN R. STOEKLE, Milwaukee, Wis. Filed Mar. 27, 1925. Serial No. 18,712. 4 Claims. (Cl. 250—40.)



1. A radio tuning device comprising a plurality of tuning instruments, a plurality of independently rotatable telescoped shafts fastened to the movable elements of said instruments; suitable indicating means fastened to said shafts and adapted to show the positions of said movable elements; a second plurality of telescoped shafts; suitable operating members fastened to said second mentioned shafts, and means for transmitting a rotation of each of said second mentioned shafts to corresponding members of said first mentioned shafts; whereby independent control and indication of the sttings of the movable elements of said instruments may be accomplished.

1,582,556. DRAWER GUIDE. EVERETT STUCK, Romford, England, assignor to Roneo Limited, London, England, a Company of Great Britain. Filed Jan. 31, 1921. Serial No. 441,323. 4 Claims. (Cl. 45—77.)



2. In a cabinet, the combination with a drawer casing having attached to opposite sides thereof supports for slidable members, inner slidable members associated with the supports, said inner slidable members having adjacent to their inner ends upstanding portions with inclined edges and a vertical shoulder, said slidable members also having at their forward ends upstanding portions with vertical edges, spaced slide engaging members adapted to be attached to sides of a drawer for engagement with the upstanding portions of the aforsaid slidable members.

1,582,557. CURB. GODFREY H. SWANTON, Melbourne, and ARTHUR F. ECHBERG, Hawthorn, Melbourne, Australia. Filed Dec. 8, 1923. Serial No. 679,377. 2 Claims. (Cl. 94—31.)

1. A concrete roadway conduit comprising a combined gutter and curbing unit which comprises a curbing member, a flange on the curbing member adapted to extend into the roadway, and a bottom portion extending from the other side of said curbing member; a bottom and

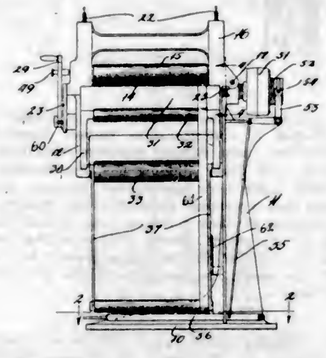
side wall unit having a side wall, and a bottom portion, said side wall and curbing member having insteps in the upper edges thereof; a distance unit inserted adjacent and between the bottom portions of said units, said bottom portions and said distance unit forming the bottom of the

conduit which is above the level of the flange in order to prevent accumulation of water in the conduit; and a removable covering slab for the units adapted to seat in said insteps and being flush with the upper surface of the curbing and the sidewalk.

1,582,558. NECK PIECE. HAZEL M. TAYLOR, New York, N. Y. Filed Dec. 23, 1925. Serial No. 77,172. 6 Claims. (Cl. 2—133.)

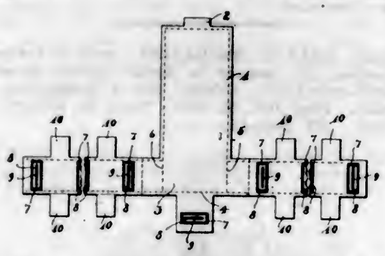
1. As a new article of manufacture a neck piece comprising a length of cloth, a sleeve transversely secured to said length at one end thereof, a shorter length of cloth secured at one end to said sleeve in front of said first-mentioned length, and a fastening device adapted to be hidden within the sleeve to secure the article about the neck of the wearer with the second mentioned length of cloth projecting outward from one edge of the sleeve and the free end of said first mentioned length projecting outward on the opposite side of said sleeve.

1,582,559. ROLLING APPARATUS. KENWORTHY J. THOMPSON, Mansfield, Ohio. Filed May 31, 1923. Serial No. 642,469. 8 Claims. (Cl. 154—9.)



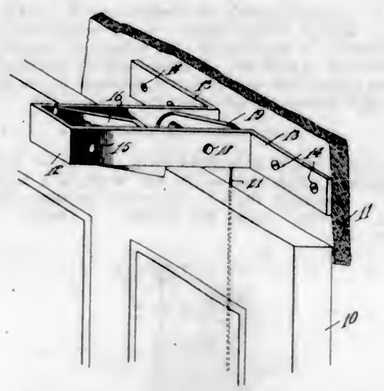
1. A machine of the kind described comprising a frame, a plurality of rolls supported thereby and adapted to carry an endless band in extended position, a support for said frame connected thereto adjacent one end of said rolls only, and a further roll movable as a whole relatively to the other rolls and adapted to press the band against one of such rolls.

1,582,560. PROCESS OF MANUFACTURING GLASS AND APPARATUS FOR CARRYING ON THIS PROCESS. FRANZ TRAPSCHUH, Torrance, Calif. Filed June 15, 1925. Serial No. 37,184. 5 Claims. (Cl. 49—17.)



1. The herein described process of drawing glass in flat sheets consisting in melting the raw material, passing the molten material in an even unchecked stream into drawing-tanks, and drawing the molten material from such drawing tanks in flat sheets, one transversely across the head-end of the melting tank and the other flat sheets parallel to the longitudinal axis and direction of movement of the melting body of glass up to points close to the outermost edges of the molten body of glass in the drawing tanks.

1,582,561. DOOR HOLDER. ADOLPH P. VANDREY, Mankato, Minn. Filed May 12, 1925. Serial No. 29,748. 2 Claims. (Cl. 292—235.)

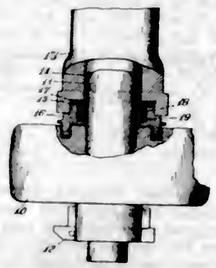


1. A door holder comprising a bracket having attaching feet, a yoke pivotally mounted in the bracket and normally gravitating below the bracket for engagement by a door, the yoke having an opening, a rockable member pivotally supported by the bracket and having a reduced end engaged operatively in the opening of said pivoted yoke, and operating means carried by the other end of the rockable member whereby to move the yoke out of engagement with a door.

1,582,562. PACKING. WILLIAM H. VOGEL, Highland Park, Ill., assignor to Raymond Bros. Impact Pulverizer Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1924. Serial No. 703,643. 8 Claims. (Cl. 288—1.)

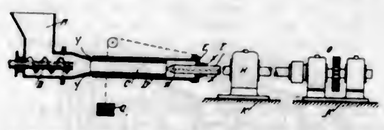
1. A packing for a shaft or analogous machine element comprising in combination, an annular flexible channeled packing member including concentric inner and outer side walls, the inner wall adapted to bear against the

shaft, and a spring member formed of a flat band of metal confined in the channeled member, and reversely looped so that its flat faces alternately engage the inner



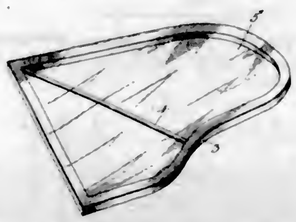
and outer walls of the channeled member, whereby the spring loops expand substantially parallel with one another and radially of the shaft to force the side walls of the channeled member apart.

1,582,563. METHOD OF COATING THE INNER SURFACES OF TUBES. THEODOR FREIHERR VON HAIMBERGER, Grunewald, near Berlin, and JOHANN KARL WIRTH, Charlottenburg, near Berlin, Germany. Filed July 20, 1922. Serial No. 576,376. 7 Claims. (Cl. 25—38.)



1. A method of coating tubes with resisting substances, comprising, first coating a tube with a layer of adhesive material, then putting the coated tube telescopically over a supply conduit and a mandrel, then pressing a fibrous covering material through the supply conduit and into the hollow space between tube and mandrel to thereby slide the tube longitudinally over the mandrel, and supplying a resistance to the sliding of the tube.

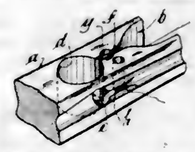
1,582,564. SOUNDING BOARD FOR MUSICAL INSTRUMENTS AND METHOD OF MAKING THE SAME. ARTHUR VREDENBURGH, Ormond, Fla. Filed Jan. 15, 1925. Serial No. 2,609. 5 Claims. (Cl. 18—59.)



1. A sounding board comprising a frame, and a diaphragm consisting of a previously formed celluloid-like sheet that has been stretched, and is permanently secured in stretched condition to the frame.

1,582,565. LOOM SHUTTLE. CHARLES HENRY WILKINSON, Leigh, England. Filed Nov. 16, 1925. Serial No. 69,520. 4 Claims. (Cl. 139—221.)

1. A loom shuttle having a large vertical depression extending downwards from the top face of the shuttle near to the usual thread eye position, a key-hole shaped slot in the side of the shuttle with the larger part of the slot opening into said depression, a groove in the top face of the shuttle and extending from the cop space to the said depression, a further vertical depression traversing the narrow part of the said key-hole shaped slot, in combination with a downwardly projecting forked stud in said further vertical depression, one limb of the forked part of the stud being shorter than the other limb and being bevelled and turned inwards at is lower



end, the bifurcation forming said forked stud being of key-hole shape and arranged to lie transversely of the shuttle, the shuttle having some of the material around the lower end of the said shorter limb, cut away to allow the weft thread to pass from the slot in the side of the shuttle below the shorter limb of the stud and into the slot thereof, so as to provide a trap as set forth.

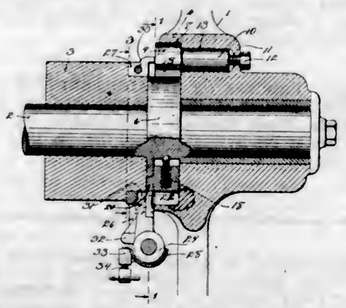
1,582,566. METHOD OF COATING METAL AND OTHER SURFACES. JOHANN KARL WIRTH, Berlin-Charlottenburg, Germany. Filed Oct. 26, 1921. Serial No. 510,641. 7 Claims. (Cl. 154—1.)

1. A method for producing a strong coating on solid surfaces by means of condensation products of phenol and formaldehyde, and of fibrous materials, comprising, applying a coating layer of the condensation product to the surface to be protected, then applying a layer of fiber to said coating layer, then completely hardening the coating layer, then thoroughly impregnating the said layer of fiber by means of the condensation product after the lowest layer has been completely hardened, and after the impregnation, completely hardening the said impregnating material.

1,582,567. ELECTRODE. VICTOR YNGVE, Long Branch, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y., a Corporation of Massachusetts. Filed July 30, 1923. Serial No. 654,788. 2 Claims. (Cl. 136—125.)

1. The method of protecting zinc container electrodes for dry cells against local corrosion, which consists in entirely covering the inside surface thereof with a thin film of zinc electrolytically deposited thereon.

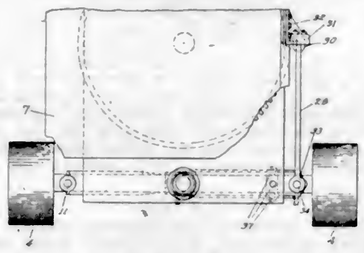
1,582,568. PRESS CLUTCH. THEODOR ZETTERLUND, Milwaukee, Wis., assignor to Milwaukee Press & Machine Company, Milwaukee, Wis. Filed Nov. 23, 1922. Serial No. 602,805. 3 Claims. (Cl. 192—28.)



1. A clutch comprising a driving element, a driven element, a socketed boss on one of the elements, a movable clutch dog carried by the other element and disposed

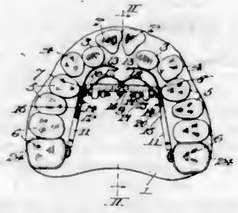
in the socket on said boss, a trip lug on the dog and projecting from said socket, a clutch dog engaging member carried by the boss and having a contact face within said socket, a trip selectively movable into and out of the path of movement of the trip lug and means directly engaging said trip for locking the trip in the path of movement of the trip lug.

1,582,569. VEHICLE STRUCTURE. HARRY J. BARNHART, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a Corporation of Ohio. Filed May 12, 1921. Serial No. 468,851. 7 Claims. (Cl. 180—81.)



1. A truck, a swiveled axle for said truck, wheels on said swiveled axle, a swiveled superstructure, an axle embracing member, a thrust and pull bar and means for moving said thrust and pull bar so as to couple or uncouple said axle embracing member and superstructure, said means being adapted to hold said thrust and pull bar in its uncoupled position during the uncoupled period.

1,582,570. ORTHODONTIC APPLIANCE. AUGUST C. BRUST, New York, N. Y. Filed Mar. 27, 1925. Serial No. 18,704. 15 Claims. (Cl. 32—19.)

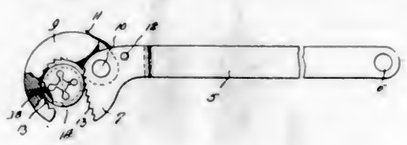


1. An orthodontic appliance comprising, a sleeve arranged to be positioned in the arch of the jaw, a member longitudinally slidable therein, and an exteriorly mounted spring actuated element carried by said sleeve in position to engage said member for moving the member outwardly toward the teeth.

1,582,571. PROCESS OF STRAIGHTENING TAPERED DISKS. EDWARD G. BUDD, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 29, 1921. Serial No. 511,520. 6 Claims. (Cl. 153—54.)

1. The process of straightening sheet metal articles of varying thickness without altering the thickness thereof which consists in applying to the article a complemental master matrix having such thicknesses as to render uniform the combined thickness of the article and the matrix and thereafter passing the article and the matrix together through a straightening machine.

1,582,572. DIE WRENCH. HARLEY BURKEYBILE, Hillyard, Wash. Filed July 3, 1923. Serial No. 649,201. 1 Claim. (Cl. 10—125.)

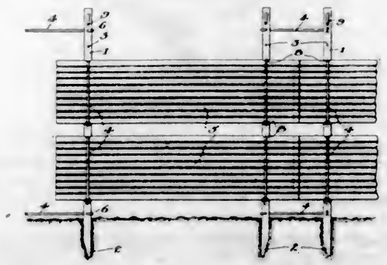


A tool of the class described comprising a shank, a pair of coacting jaws associated therewith, said coacting jaws adapted to engage and hold therebetween a screw threading die, the die being provided with an annular guide groove, one of said jaws having a threaded opening extending transversely therethrough, and a plug threaded in said opening and adapted to engage the annular guide groove provided in the die.

1,582,573. COMBINATION SCIENCE TABLE AND CLASSROOM DESK. OTIS W. CALDWELL and EARL R. GLENN, New York, N. Y., assignors to Kewaunee Mfg. Co., Kewaunee, Wis., a Corporation of Wisconsin. Filed May 26, 1924. Serial No. 715,936. 7 Claims. (Cl. 45—6.)

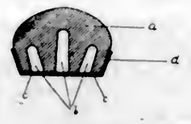
1. A laboratory table and class desk adapted for the use of a plurality of students, comprising separately formed sink and desk units, and means for securing certain units together to constitute a unitary structure of the whole having a line of sinks and oppositely extending desk portions extending laterally from said line of sinks and between adjacent pairs of sinks to provide spaces for students laterally of each sink and adjacent to the outer faces of the end desk portions and between the oppositely facing intermediate edge portions of the desks.

1,582,574. FENCE. JOHN H. CARLSON, Nashwauk, Minn. Filed May 29, 1924. Serial No. 716,719. 1 Claim. (Cl. 256—54.)



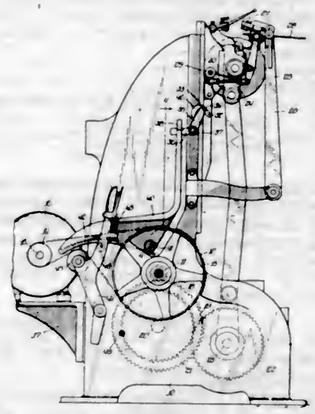
A fence construction comprising a plurality of angle iron fence posts, each of said posts being provided with a plurality of spaced openings throughout their lengths. U clips provided at their lower ends with hooked portions adapted to hook into said openings, the upper ends of said clips being adapted to extend through other openings, corrugated fence strips provided with oppositely disposed recesses adapted to be supported between said fence posts and clips, the arms of said clips being adapted to seat in said recesses and means extending through the upper ends of said clips for holding the same in operative position.

1,582,575. TIRE. JUAN GRACIANO CASTERAN, Buenos Aires, Argentina. Filed July 18, 1923. Serial No. 652,411. 1 Claim. (Cl. 152—1.)



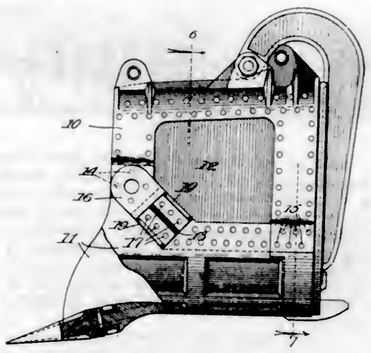
The combination of a rubber tire provided with a plurality of radial cells which open through its inner surface, and a spring-metal rim which is split transversely to allow its ends to initially overlap prior to mounting the tire on the rim and to permit it to thereafter be expanded until said ends abut against each other; said rim, when so expanded, exerting a radial outward pressure equally at all points against the inner surface of the tire so as to close the outer ends of said cell in an air-tight manner and permanently trap the air contained therein.

1,582,576. PRINTING-PRESS-CONTROL MECHANISM. EDWARD CHESHIRE, Berlin Township, Wis., assignor to Michle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1922. Serial No. 526,764. 8 Claims. (Cl. 192—126.)



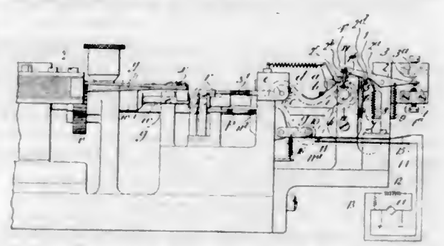
2. In a printing press, the combination of printing means, driving means for operating same, power transmitting means connecting said printing means and driving means and including a belt, means whereby said belt normally is maintained taut whereby power is transmitted from said driving means to said printing means, and means dependent upon certain predetermined sheet feeding conditions of the printing press whereby said belt may become slackened for stopping the transmission of power from said driving means to said printing means.

1,582,577. DIPPER BUCKET. ERNEST E. CRANE, Minneapolis, Minn., assignor to Pettibone Mulliken Company, Chicago, Ill., a Corporation of New York. Filed Aug. 24, 1925. Serial No. 51,993. 4 Claims. (Cl. 214—145.)



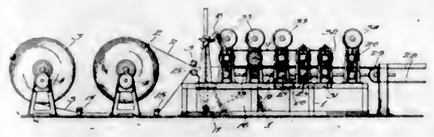
1. A dipper bucket comprising front and back castings having overlapping portions secured together at the sides near the top and bottom of the bucket, a cutaway central portion, and a metal plate covering said cutaway central portion and riveted to said front and rear castings.

1,582,578. TELEGRAPHIC APPARATUS FOR THE AUTOMATIC RECEIPTION AND RETRANSMISSION OF ELECTRIC SIGNALS. FREDERICK GEORGE CREED, Croydon, England. Filed Apr. 12, 1924. Serial No. 706,023. 17 Claims. (Cl. 178—71.)



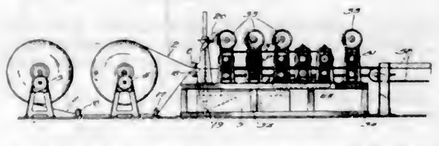
1. In apparatus for the automatic reception and retransmission of electric signals, a telegraphic receiver comprising a pin wheel, a driving shaft, means for rotating said shaft at a predetermined substantially constant speed, a yielding driving connection between said pin wheel and shaft, means for adjusting said pin wheel in a rotary sense when this may become necessary, an endless chain passing around and drive by said pin wheel, signal pins movable transversely in said chain, means for adjusting the relative endways position of said pins in said chain to correspond to received signals, means for returning displaced signal pins to normal position after being used, mechanism adapted to actuate the pin wheel adjusting means and the means used for adjusting the endways position of said signal pins and means under the control of electric signals to be received and retransmitted, adapted on receipt of a signal to bring said mechanism into operation at the required times to actuate the pin wheel adjusting means and the signal pin adjusting means, and a signal repeated comprising a wheel around which said chain passes, means for driving said wheel at the same speed as the aforesaid driving shaft and circuit controlling mechanism dependent for operation on the endways position of the signal pins in said chain.

1,582,579. APPARATUS FOR PRODUCING CORRUGATED BOARD. HARRY A. CUMFER, Chicago, Ill., assignor of one-half to Albert D. Stewart, Hutchinson, Kans. Filed Mar. 22, 1923. Serial No. 626,758. 13 Claims. (Cl. 154—1.)



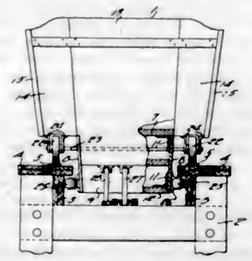
1. A machine for making corrugated board comprising corugating rolls for corrugating a sheet, means for making a series of spaced apart transversely extending incisions in the continuously moving corrugated sheet at predetermined longitudinal intervals, a continuous belt providing transversely extending bars insertable in said corrugations, means for coating a plain surface sheet with an adhesive, and means for fixedly uniting said coated sheet with the corrugated sheet to form a unitary structure.

1,582,580. PROCESS OF FORMING A CORRUGATED BOARD AND PRODUCT PRODUCED THEREBY. HARRY A. CUMFER, Chicago, Ill., assignor of one-half to Albert D. Stewart, Hutchinson, Kans. Filed Mar. 22, 1923. Serial No. 626,759. 7 Claims. (Cl. 154—2.)



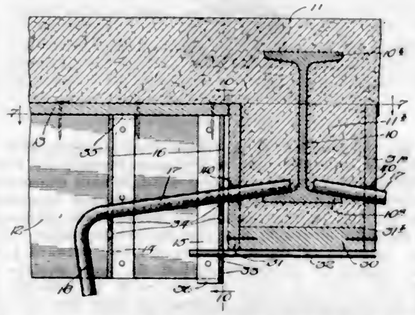
1. A process of making a corrugated board consisting in forming a sheet into corrugations, making transversely extending incisions through the sheet at predetermined longitudinal intervals on the crests of said corrugations, coating a second sheet with an adhesive substance, pressing the base of the corrugations into contact with the underlying sheet to cause an amalgamation thereof with the corrugated sheet.

1,582,581. COASTER CAR FOR PLEASURE COASTERS. FRANK W. DARLING, New York, N. Y., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y., a Corporation of New Jersey. Filed July 10, 1925. Serial No. 42,641. 10 Claims. (Cl. 104—247.)



1. A passenger conster car for pleasure coasters including a main base frame, one member of which forms the seat for the passenger compartment, a pair of traction wheels disposed underneath said seat member and journaled in brackets which are attached directly to the underside thereof with the peripheries of the wheels just clearing said seat member, a forward pair of traction wheels disposed underneath other members of the main base frame, a downward extension of the passenger compartment disposed intermediate the traction wheels and having the greater portion thereof disposed below the axis of traction of said wheels whereby the center of gravity of the loaded car is approximately opposite the traction axis, and an upwardly extending enclosing casing surrounding the rear and sides of said seat member.

1,582,582. CENTERING-FORM-APPARATUS FOR CONCRETE-FLOOR CONSTRUCTION. EDWARD E. DAVIS, Chicago, Ill. Filed Nov. 30, 1925. Serial No. 72,166. 18 Claims. (Cl. 25—131.5.)

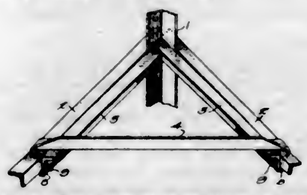


1. In apparatus of the character described; a joist; means for supporting the joist by its ends between parallel steel griders said supporting means comprising guiding members on the joint and a sliding bolt slidable in said guiding members in a plane substantially parallel with the upper surface of the lower flange of one of said girders and resting on said surface.

1,582,583. PAPER-MAKING MACHINE. JOHN ALEXANDER DEVINE, Thorold, Ontario, Canada. Filed June 15, 1925. Serial No. 37,309. 3 Claims. (Cl. 92—44.)

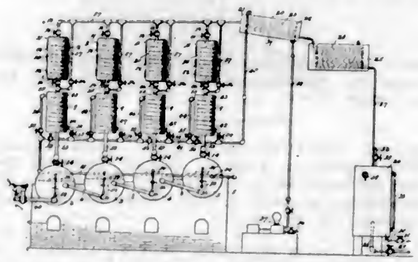
1. In a paper making machine, the combination with stationary suction boxes and an endless wire mesh, the upper ply of which travels over said boxes, of means driven by the lower ply to impart a continuous slow angular swinging movement to said lower ply, whereby said upper ply is caused to reciprocate laterally in its longitudinal travel over said boxes.

1,582,584. REENFORCING DEVICE. CHARLES DRAKE, Mannington, W. Va. Filed May 4, 1925. Serial No. 27,972. 2 Claims. (Cl. 189—19.)



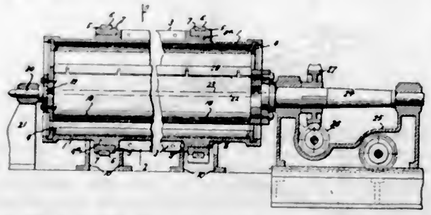
1. In a device of the character described, a brace for derricks or the like comprising a pair of arms having their outer ends secured to the derrick leg and extending substantially parallel to the adjacent horizontal struts of the derrick, and a base member extending across said arms adjacent their opposite ends and secured thereto, said base member being extended beyond said arms and having its end portions embracing said horizontal struts.

1,582,585. APPARATUS FOR TREATING HYDROCARBON OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Original application filed Apr. 16, 1917, Serial No. 162,234. Divided and this application filed Oct. 11, 1919. Serial No. 329,897. Renewed July 15, 1925. 4 Claims. (Cl. 196—106.)



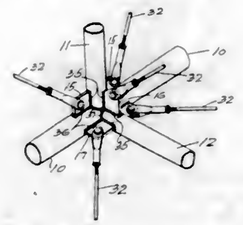
1. In an apparatus for distilling and condensing hydrocarbons under pressure of generated vapors, the combination with a plurality of stills, said stills being located at progressively different heights, means for heating said stills each to a given temperature, a plurality of reflux condensers disposed above said stills and in communication therewith, means for feeding oil through said reflux condensers, to preheat the same and then to the stills, comunications between all of said stills, valves for controlling the number of reflux condensers through which the oil must pass before entrance to the stills, auxiliary condensers disposed above said reflux condensers and in communication therewith, valves for controlling by-pass communications around such auxiliary condensers, outlets from said auxiliary condensers, additional condensers in communication with said outlets, a receiving tank communicating with said last mentioned condensers, and means for maintaining a pressure on oil during distillation and condensation in the apparatus.

1,582,586. MEANS FOR THE MANUFACTURE, CENTRIFUGALLY, OF PIPES, COLUMNS, AND OTHER HOLLOW ARTICLES. KENNETH DUNDAS, Glasgow, Scotland. Filed Oct. 4, 1924. Serial No. 741,694. 2 Claims. (Cl. 25—30.)



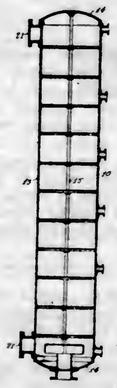
1. Means of the kind herein referred to, comprising a rotary member, a trough fitted with a scraper adapted to be introduced longitudinally into such member, a shaft to which the trough is rigidly connected and bearings for the shaft arranged so that the axis of rotation for the trough is stationary and situated below and to one side of the axis of rotation of the mound, rotation of the trough in one direction serving to empty the contents and rotation of the trough in the reverse direction advancing the scraper towards the inner wall of the rotary member, substantially as described.

1,582,587. FITTING FOR AIRPLANES. DAVID EARLE DUNLAP, Buffalo, N. Y., assignor to G. Elias & Bro., Inc., Buffalo, N. Y. Filed Dec. 26, 1925. Serial No. 77,724. 7 Claims. (Cl. 244—31.)



7. In an airplane fitting, the combination of a longitudinal tubular member, a pair of tubular strut members abutting against the sides of said longitudinal member and extending in different directions therefrom, and a gusset member including a pair of plates each having one edge thereof secured to said longitudinal member and each plate extending substantially parallel with a strut member, said strut members having slotted portions into which said plates extend, a transversely arranged gusset plate having its ends secured to said first mentioned plates and also extending through transverse slots in said strut members, the ends of said strut members being shaped to fit the periphery of said longitudinal member, shouldered portions on the parts of said plates extending out of said slots and adapted to abut against said strut members to hold said strut members in correct relation to said gusset member, and welded connections between the plates of said gusset member and between the junctures of said gusset member with the said longitudinal member and strut members, and tension members connected to the portions of said gusset member extending beyond said strut members.

1,582,588. DEPHLEGMATOR. GUSTAV EGLOFF and HARRY P. BENNER, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed May 2, 1921, Serial No. 466,173. Renewed Sept. 10, 1925. 6 Claims. (Cl. 196—139.)



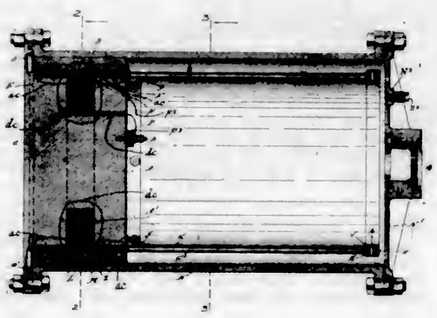
6. A dephlegmator, comprising a casing, having a vapor inlet and a vapor outlet, a plurality of vertically spaced perforated plates mounted within said casing to

obstruct the travel of vapors through the dephlegmator, manually adjustable means associated with each plate for maintaining the plates in any desired vertical positions of adjustment relative to one another.

1,582,589. IDENTIFYING DEVICE. MARCUS PAGE EXLINE, Dallas, Tex. Filed Dec. 28, 1925. Serial No. 78,022. 2 Claims. (Cl. 40—20.)

1. In combination, an article having a recess, a compressible stud having a resilient base adapted to engage the walls of the recess, and an identifying member conforming in shape and size to the recess and adapted to seat therein and having a base provided with an orifice slightly smaller in diameter than the stud.

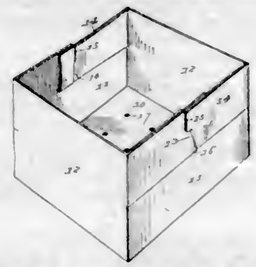
1,582,590. HIGH-FREQUENCY OSCILLATOR. RICHARD D. FAY, Nahant, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Mar. 22, 1921. Serial No. 454,393. 6 Claims. (Cl. 177—386.)



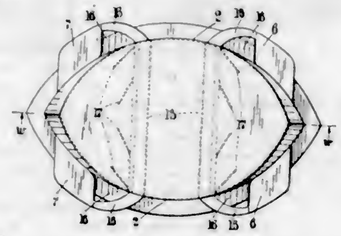
1. A sound producing device comprising an active member one surface of which is adapted to contact with the medium through which sound is to be sent and having an elastic flange, a stationary support, said flange being attached to said support, and means for moving said active member comprising a metallic cylinder of high electric conductivity having a tube of elastic metallic material rigidly connected thereto and to said active member whereby a large amplitude of motion given said metallic cylinder will cause a smaller amplitude of motion of said active member, and electric means for vibrating said metallic cylinder.

1,582,591. BERRY BOX. PETER FLANSBURG, Manistee, Mich., assignors, by mesne assignments, to A. J. McKay, Chicago, Ill. Filed Dec. 8, 1921. Serial No. 520,905. 3 Claims. (Cl. 229—35.)

1. A box of foldable material formed from a single blank and having a rectangular bottom fold and flaps extending respectively from the several edges of said fold, diametrically opposite flaps being provided at their outer edges with an inwardly directed slit and the other diametrically opposite flaps being provided with lateral tongues, the ends of these tongues extending above the top of the first mentioned opposite flaps, the tongues carried by each of said flaps being provided with slits intersecting and extending respectively from the outer and inner edges thereof.

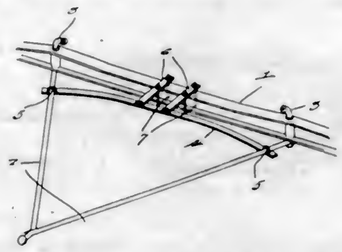


1,582,592. EXHAUST VENTILATOR. ERNEST LEONARD FORD, Darlington, England. Original application filed Oct. 25, 1924, Serial No. 745,915. Divided and this application filed May 9, 1925. Serial No. 29,341. 7 Claims. (Cl. 98—22.)



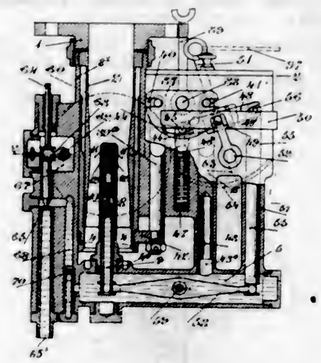
1. An exhaust ventilator comprising a chamber which consists of a base having a transversely arranged opening at the centre of its length, a top and a pair of converging side walls having openings located in opposed pairs near the ends of the chamber; plates forming exterior deflectors on the side walls of said chamber adjacent to said side openings; and a plurality of vertically arranged deflector plates located within said chamber on each side of the transverse aperture in the base.

1,582,593. RADIUS-ROD BRACE. RUSSELL L. GALLOP, Harbinger, N. C. Filed June 23, 1925. Serial No. 39,088. 2 Claims. (Cl. 267—66.)



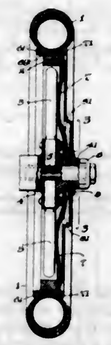
1. In combination, an axle, radius rods connected at their forward ends to the axle at longitudinally spaced points, and resilient means anchored at its center to the central portion of the axle and connected at its ends to the forward portions of the radius rods for exerting an upward thrust upon the latter.

1,582,594. CARBURETOR. ANTOINE GIRIN, Lyon, France. Filed June 10, 1920. Serial No. 388,005. 3 Claims. (Cl. 261—50.)



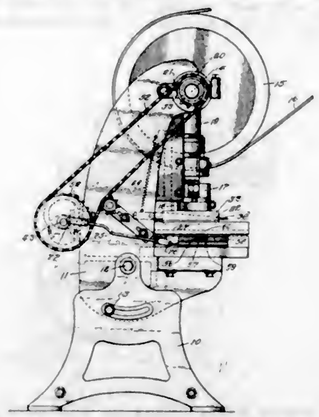
1. A carburetor for internal combustion engines, comprising a casing; a fuel chamber at the base of said casing; a constant-level tank adapted to supply fuel to said chamber; a cylindrical member; a fuel nozzle in communication with said chamber mounted concentrically within said cylindrical member; a tube provided with an air inlet at its lower end surrounding said nozzle; a vertically movable sleeve surrounding said tube and guided between it and the inner wall of said cylindrical member; a needle movable within said nozzle and adapted to progressively open or close the orifice thereof; and means for effecting simultaneous progressive movements of said sleeve and said needle.

1,582,595. VEHICLE WHEEL. GEORGE H. GOLDSMITH, Melrose, Mass. Filed Nov. 14, 1922. Serial No. 600,852. 3 Claims. (Cl. 152—21.)



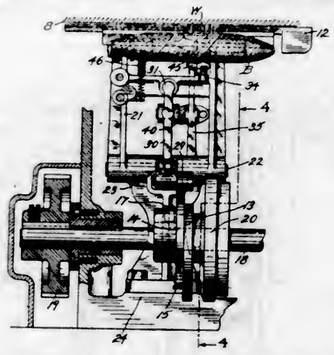
1. In a vehicle wheel, the combination with a wheel-hub, and a hub-cap removably attached thereto covering the outer end of the wheel-bearing, of a single-flanged tire-holding rim and a laterally-engaging tire-holding member, said rim and said member constituting tire-holding members forming in conjunction the required channel for clinching or holding a tire upon the wheel, and an annular member fastening removably to the said wheel-hub by manipulation, functioning in cooperation with said tire-holding member to hold the tire in working position on the wheel, and removable over the said hub-cap without removal of the latter, and means whereby said annular member is locked in place upon the wheel-hub.

1,582,596. PUNCHING MACHINE. ALFRED W. GRABO, Chicago, Ill., assignor to Gardner & Company, a Partnership composed of Everett J. Granger, Hattie G. Gardner, Veronica Fitzgerald, all of Chicago, Ill., and Stanley J. Steinau, Evansville, Ind. Filed Oct. 22, 1923. Serial No. 670,052. 19 Claims. (Cl. 164—111.)



1. In a punch-press, the combination of a plurality of punch elements, means for actuating said punch elements, and means, operating automatically, to render the first and last of said punch elements inoperative alternately in the successive actuations of said punch elements.

1,582,597. CIGAR-WRAPPING MECHANISM. JOHN F. HALSTEAD, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 15, 1924. Serial No. 699,482. 8 Claims. (Cl. 131—39.)

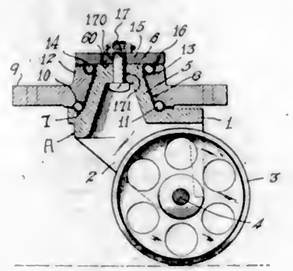


1. A cigar wrapping mechanism, comprising buncnh rolling means having a header, a movable tension plate, and actuating means for producing approaching and retreating movements of said plate with respect to said rolling means and provided with a single adjusting device for synchronously varying the timing of said retreating movement and of said beader.

1,582,598. ANTIFRICTION SWIVEL CASTER. SAMUEL L. HANCOCK, Rome, Ga., assignor to The Fairbanks Company, a Corporation of New Jersey. Filed Apr. 12, 1923. Serial No. 631,777. 3 Claims. (Cl. 16—21.)

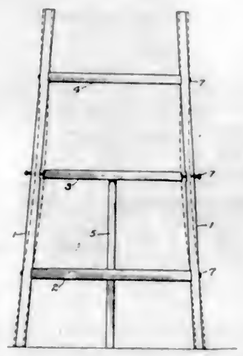
1. A caster comprising a wheel-carrying member having a wheel journaled therein and formed with a journal

and a ball race substantially co-axial with said journal, a load-bearing member adapted to be attached to an object to be supported and formed with an opening to loosely receive said journal of the wheel-carrying member, said load-bearing member being formed with two ball races spaced longitudinally of said opening and each co-axial with said opening, one of said ball races co-operating with said ball race of the wheel-carrying mem-



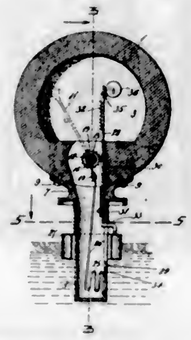
ber to receive balls therebetween, balls mounted in said ball races, and a bearing plate secured to said journal of the wheel-carrying member and formed with a flat surface substantially parallel to the plane of the other of said ball races in the load-bearing member and directly engaging the balls therein so that said plate is free for movement transversely of said ball race and also connects said load-bearing member and said wheel-carrying member.

1,582,599. EASEL. HANS PETER HANSON, Chicago, Ill. Filed Mar. 29, 1923. Serial No. 628,487. 2 Claims. (Cl. 45—129.)



2. A knock-down easel comprising a pair of side bars, an upper cross bar, a lower cross bar and a medial cross bar to connect said side bars, said side bars and cross bars being provided with horizontally disposed projections and depressions respectively formed to interfit by convergent movement of said side bars upon said cross bars in assembling the easel and mutually interfitting shoulder and hook means on said side bars and said medial cross bar respectively, whereby said medial bar is placed in tension to hold said side bars against spreading and so to secure the easel in its assembled condition.

1,582,600. MEANS FOR INDICATING CONDITIONS WITHIN THE RADIATOR OF A COMBUSTION ENGINE. JOHN E. R. HAYES, Melrose, Mass. Filed Jan. 19, 1924. Serial No. 687,338. 13 Claims. (Cl. 116—114.)

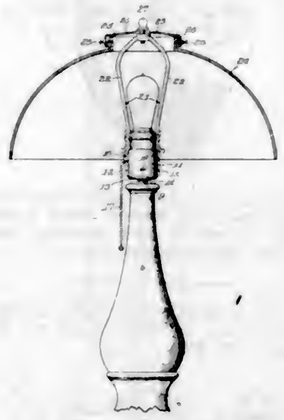


7. In a device of the type specified for indicating conditions within the radiator of a combustion engine, a temperature-indicating means adapted to be located outside the radiator, an element responsive to thermal changes adapted to be located within the radiator and operatively connected to said indicating means, a float adapted to be located in the radiator, means whereby said float will be operatively connected to said indicating means for operating the same depending upon a determinate change in the amount of water in the radiator in which the float may be contained, and other means controlled by said float for indicating outside the radiator in which the float may be contained a change in the position of said float.

1,582,601. CENTRIFUGAL CASTING. AUGUSTUS M. HENRY, Brooklyn, N. Y., assignor to William W. Weitling, trustee, College Point, N. Y. Filed Apr. 4, 1922. Serial No. 549,488. 7 Claims. (Cl. 22—65.)

1. In a rotary casting machine for making tubular articles having a length at least as great as the inside diameter thereof and of the type wherein the machine includes with the rotary mould a tilting-trough type of distributer having an elongated compartment disposed substantially concentric with the mould axis for holding initially without spill the entire predetermined charge of material for making the desired article and with such compartment having a spill edge in the main inclined relative to the axis of tilt of the distributer whereby on tilting the latter substantially all of said charge is transferred from the compartment to the mould in a sheet of a width equal at least to the inside diameter of the mould and which sheet is rapidly swept along said edge for a distance greater than said width of said sheet, the combination with said mould of a distributer of the type just defined wherein said distributer is provided with protuberant sections beyond the opposite ends of the mould, each of said sections containing sub-compartment constituting reservoirs in open communication with the adjacent ends of said elongated compartment.

1,582,602. ELECTRIC SOCKET STRUCTURE. MAX HERSKOVITZ, deceased, late of Chicago, Ill., by William Herskovitz, executor, Chicago, Ill. Filed Nov. 22, 1924. Serial No. 751,697. 8 Claims. (Cl. 240—148.)

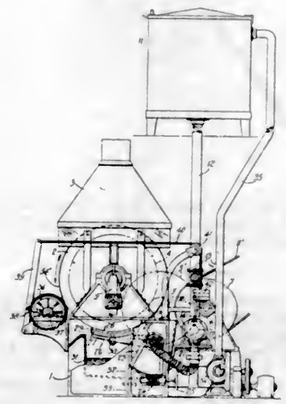


1. An electric socket structure comprising a hollow lamp-socket-housing member formed of separable sections with the joint therebetween extending lengthwise of said member, one of said sections having a portion extending crosswise of said housing member and forming the end wall of said member, and means for releasably securing said sections together.

1,582,603. SEPARATOR. WILLIAM J. HOOPER, Berkeley, Calif. Filed Aug. 13, 1924. Serial No. 731,752. 3 Claims. (Cl. 183—102.)

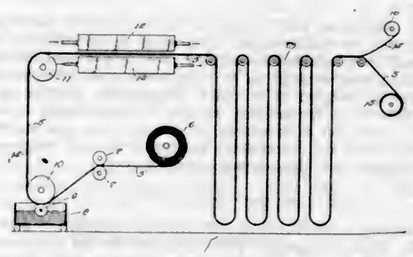
1. In a separator, a series of substantially spiral overlapping vanes forming a series of openings, and a substantially helicoidal strip surrounded by the vanes, said strip extending at its edges entirely to the inner surfaces of the vanes.

1,582,604. PROCESS AND APPARATUS FOR DRYING COAGULABLE LIQUIDS. ERNEST HOPKINSON and REED P. ROSE, New York, N. Y., assignors to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed July 18, 1923. Serial No. 652,311. 23 Claims. (Cl. 18—50.)



1. The process of drying latex comprising evaporating a layer of latex on a surface, and continuously removing the evaporated layer from the surface.

1,582,605. ART OF PREPARING SHEET GELATIN MATERIAL. WILLIAM HOSKINS, Chicago, Ill. Filed May 22, 1922. Serial No. 562,726. 3 Claims. (Cl. 18—57.)

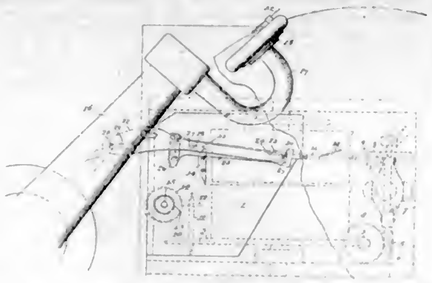


1. The method of forming a gelatin film which comprises continuously applying a coating of gelatin solution to the surface of a traveling cellulose-ester plastic base, supplying a hardening agent in said coating, drying the coating while adhering to the traveling base and stripping the dried coating therefrom as a continuous dense, coherent film.

1,582,606. AUTOMATIC STARTING AND STOPPING DEVICE FOR PHONOGRAPHS. ALDEN L. HOWARD, Ann Arbor, Mich. Filed Nov. 4, 1921, Serial No. 512,908. Renewed July 27, 1925. 9 Claims. (Cl. 192—118.)

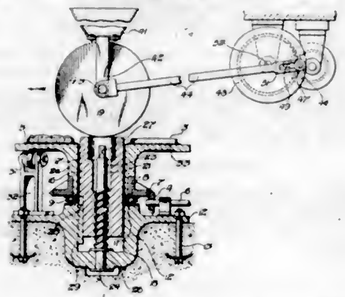
1. In an automatic starting and stopping device for phonographs, the combination with a rotating disk, a reproducing mechanism mounted on an arm adapted to

progress across said disk, of pivoted mechanism moving with the arm in timed relation with the rotation of the



disk whereby the movement of the reproducing mechanism across the disk functions to start and stop the disks rotation at predetermined times.

1,582,607. MANUFACTURE OF CONCRETE SLABS AND THE LIKE. WALTER REGINALD HUME, Melbourne, Victoria, Australia. Filed Aug. 2, 1924. Serial No. 729,838. 10 Claims. (Cl. 25—21.)

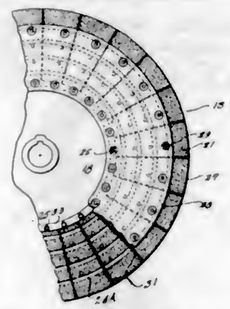


1. Apparatus for the manufacture of concrete slabs and the like by compression comprising in combination a rotary table adapted to support open topped moulds containing the material to be compressed and to be intermittently rotated or turned to successively position said moulds at a compressing station, a compression roller and means for reciprocating said roller over the moulds whilst they are successively positioned at said compressing station for the purpose specified.

1,582,608. SECTIONAL GRINDING WHEEL. ELWIN R. HYDE, Bridgeport, Conn., assignor to The Bridgeport Safety Emery Wheel Company, Incorporated, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 28, 1924. Serial No. 709,446. 12 Claims. (Cl. 51—206.)

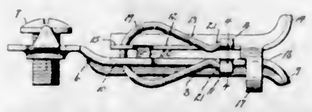
1. A grinding wheel comprising spaced side plates, a plurality of grinding blocks mounted between said plates and having convex outer ends forming the periphery of the wheel, coacting means carried by the plates and blocks for securing said blocks at different distances from the axis of rotation of the wheel, and means for clamping the plates against the sides of the block comprising a bolt for each block secured to the plates adjacent the peripheries thereof and extending through the block, each block having a plurality of transverse openings for said bolt spaced from each other radially of the block with the outer opening in a section of the block which is eventually worn off in use.

12. A grinding wheel comprising spaced side plates having circular flanges on the opposed walls thereof, a plurality of grinding blocks mounted between said plates and provided with spaced grooves on the side walls thereof to receive said flanges to determine the position of the blocks relative to the axis of rotation of the



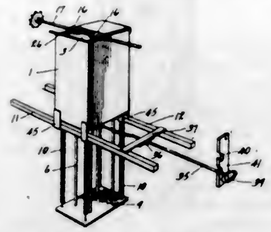
wheel, and means for clamping the plates against the sides of the blocks in different radial positions comprising bolts secured to and extending between the plates adjacent the peripheries thereof.

1,582,609. PLUG CONNECTER. LOUIS E. ISELE, Verona, N. J. Filed Mar. 23, 1923. Serial No. 627,070. 1 Claim. (Cl. 173—332.)



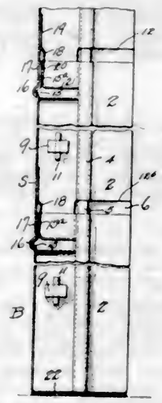
In an electrical attachment plug, the combination with a chambered plug-body, of two socket members located therein, each comprising two independently-formed, parallel plates shaped to receive a plug axially between them, and each formed near one end with a perforation and near its opposite end with an ear, and two bowed springs applied to the edges of the said plates by means of the said perforations and ears, located in planes at right angles to the planes of the plates, and coupling the same for their substantially parallel separation on the introduction of a plug between them.

1,582,610. CARD OR PAMPHLET HOLDING AND FEEDING DEVICE. OLAF W. JOHNSON, Seattle, Wash., assignor, by direct and mesne assignments, to Bakeries Service Corporation, Chicago, Ill. a Corporation. Filed Feb. 28, 1924. Serial No. 695,751. 3 Claims. (Cl. 271—39.)



1. The combination with a wrapping machine of a card or pamphlet holding and feeding device comprising a housing having a delivery opening at the top, supporting means for the housing whereby it is permitted a slight vertical travel, yieldable means within the housing whereon a card or pamphlet pack may be supported and maintained adjacent the delivery opening of the housing, rotatably driven feed rollers operable through the opening for engaging the cards or pamphlets to feed them, one at a time, from the housing, yieldable means normally retaining the housing at its upper limit of travel and means for moving it downwardly to disengage the card or pamphlet pack from the feed rollers.

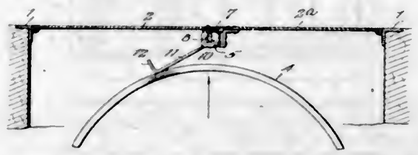
1,582,611. SECTIONAL BUILDING CONSTRUCTION. THOMAS H. KANE, Youngstown, Ohio, assignor to The Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Mar. 25, 1921. Serial No. 455,424. 13 Claims. (Cl. 189—34.)



1. A panel unit for building structures, comprising a plate having offset rearwardly extending flanges along its vertical edges and an outwardly bent bead, forming a channel in the rear face of its lower horizontal margin and extending longitudinally along the same.

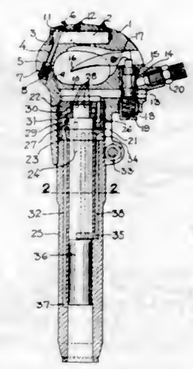
1,582,612. [WITHDRAWN.]

1,582,613. ELEVATOR-DOOR LOCK. HENRY T. KROG, Huntington Park, and ALBERT F. HARTEL, Los Angeles, Calif., assignors to A. J. Bayer Company, a Corporation of California. Filed Oct. 31, 1925. Serial No. 66,049. 3 Claims. (Cl. 187—62.)



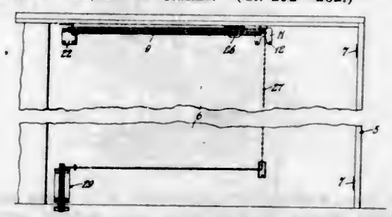
3. In a hatchway lock, the combination with a pair of hinged doors, one having thereon a keeper having a perforation opening upwardly through a restricted slot, a bolt axially pivoted on the other door and having a portion adapted in one angular position of the bolt to enter the slot but of greater length than the width of the slot, a gravitational member influencing the bolt and tending to maintain it in the position in which it will not pass through the slot, said member having an upturned portion adapted in the unlocking position of the bolt to contact with the last named door, and means for successively lifting the gravitational member into contact with the door and simultaneously rotating the bolt to its unlocked position and to then raise the last named door and to thereafter lift the first named door.

1,582,614. PNEUMATIC HAMMER. SHUSAKU KUSUNOKI, Prefecture of Hiroshima, and SEIJI YAMAMOTO, Kure, Japan. Filed Dec. 6, 1920. Serial No. 428,754. 1 Claim. (Cl. 121—26.)



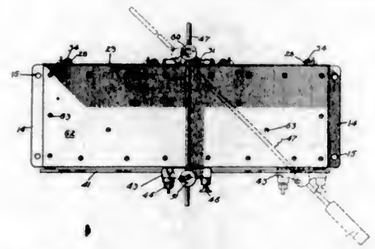
In a pneumatic hammer, a handle member provided with an air chamber and a bore communicating with said chamber, an annular valve chest fitted in the bore and having an internal shoulder near its upper end, upper ports leading from the upper end of the chest to the bore of the latter and placing the chamber in communication with the bore of the chest, lower ports leading from the lower end of the chest to the bore of the latter, an inverted cup-shaped valve slidable in the chest and having an external shoulder to engage the shoulder of the chest and limit the upward movement of the valve, said valve having an annular external groove adapted to place said ports in communication when the valve is lowered, an exhaust port in the chest for discharging air from the groove when the valve is raised, said valve when raised, projecting into said chamber, ports in the wall of the valve to admit air from the chamber directly into the valve when the latter is raised, a cylinder having its upper end fitted into the bore of the handle, a slidable hammer in the cylinder, the bore of the cylinder being of the same diameter as the lower portion of the inner surface of the valve to permit the upper end of the hammer to enter the valve, an exhaust conduit placing the intermediate portion of the bore of the cylinder in communication with the atmosphere, and a passageway placing the lower portion of the cylinder bore in communication with the lower ports of the valve chest.

1,582,615. DOOR HOLDER AND LATCH. DE WITT C. LAMBSON, Wallingford, Conn. Filed May 8, 1925. Serial No. 28,789. 9 Claims. (Cl. 292—262.)



1. A combined door-stop holder and latch comprising a locking element adapted for pivotal connection to a door, means arranged intermediate the ends of said locking element over which said locking element is adapted to move when opening and closing said door and into holding engagement with which said locking element is adapted to move upon opening said door, and a catch into locking engagement with which said locking element is adapted to be moved when closing said door.

1,582,616. MITER BOX. ANGUS MCMILLAN, Oakland, Calif. Filed Sept. 25, 1924. Serial No. 739,767. 14 Claims. (Cl. 143—86.)

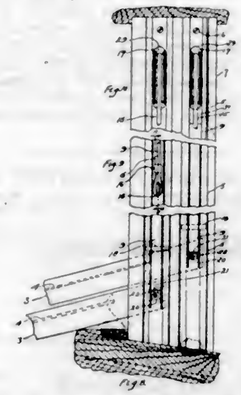


1. A folding miter box comprising a casing, a lid adapted in one position to close the casing and in another position to project beyond the plane of the bottom of the casing to form the vertical wall of the miter box, and means for mounting a saw on said box.

1,582,617. PROCESS OF ELECTROPLATING METALS. ARNOLD MOHN, Indianapolis, Ind., assignor of one-fourth to James A. Walsh, Indianapolis, Ind. Filed June 22, 1925. Serial No. 38,926. 5 Claims. (Cl. 204—1.)

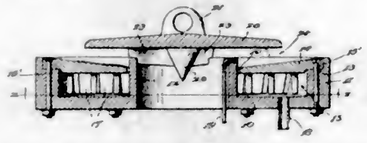
1. The process of electroplating, which consists in employing a metal in powdered or divided form, mixing therewith a metal salt of the metal to be deposited, and applying said mixture under moisture and friction to the metal to be plated, said combination acting as a galvanic cell which creates the electric current for the decomposition and deposition of the metal contained in the salt.

1,582,618. WINDOW. HENRY NEVISON, Lincoln Park, Mich. Filed June 25, 1925. Serial No. 39,489. 7 Claims. (Cl. 20—49.)



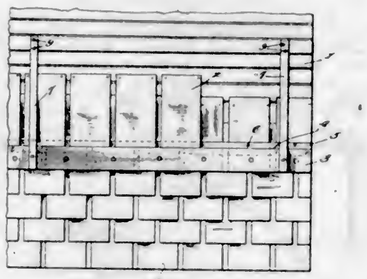
1. In a window, the combination of a casing having vertical grooves, a fixed metal shell suitably mounted within the said grooves, the said fixed metal shell being provided with a longitudinal opening in one of its walls, a metal plate slidably mounted against the said fixed metal shell and having a rectangular section adapted to receive and be fastened to a sash cord, and extending within the longitudinal opening in the said fixed metal shell, a trunnion block suitably mounted within the rectangular section of the said sliding metal plate at its lower end, a weather strip, suitably fastened to the inside edge of the said sliding metal plate, and being adapted to slide with it, a sash having a side stile adjacent the said weather strip and being adapted to slide with it, a locking plate slidably mounted at the top of the said sash, the said locking plate fitting within the rectangular section of the said sliding plate, and a trunnion bracket, suitably mounted at the bottom of the said sash, the said trunnion bracket having cam surfaces extending within the rectangular section of the said sliding metal plate and being further provided with an eccentric trunnion adjacent the cam surfaces, the eccentric trunnion being adapted to swivel in the trunnion block on the said sliding metal plate.

1,582,619. HYDROCARBON BURNER. MYRON E. OLSON and VICTOR C. OLSON, Grand Island, Nebr. Filed Feb. 12, 1925. Serial No. 8,756. 2 Claims. (Cl. 158—66.)



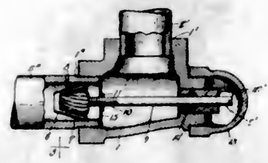
2. A burner of the character specified, comprising a bowl including a flat annular bottom, inner and outer circular walls rising from the inner and outer margins of the bottom to approximately the same height, an annular plate removably seated upon the outer wall and spaced at its inner edge from the inner wall and having its upper face outwardly flared and provided upon its lower face with depending projections terminating adjacent the said bottom, and a spreader having a cone and radial ribs upon its bottom side, overlying the inner wall and annular plate and spaced and centered by the said ribs, engaging over and within the said inner annular wall.

1,582,620. SHINGLE GAUGE. JOHN W. OSTRANDER, Madison, Wis. Filed June 20, 1923. Serial No. 646,610. 2 Claims. (Cl. 33—188.)



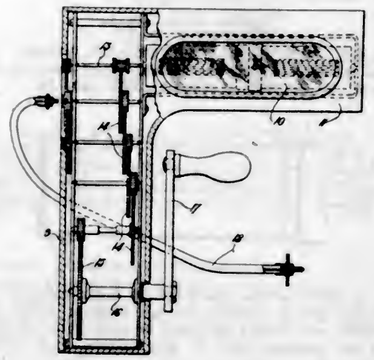
1. A shingle gauge comprising a bar having a flat underface and straight parallel upper and lower edge faces, a strip extending upwardly beyond the upper edge of said bar for fitting beneath lower ends of shingles to be gauged, studs rigid with said strip and extending upwardly therefrom intermediate its width and in spaced relation to each other longitudinally of the strip and adapted to engage side edges of the shingles to properly space the same, pins passing through said bar and having heads exposed at the upper face of the bar and pointed lower ends protruding from the lower face of the bar and adapted to bite into the upper faces of laid shingles, said pins being disposed in spaced relation to each other longitudinally of the bar for alignment with spaces between a row of shingles, straps extending upwardly from said bar, and fasteners adapted to releasably secure said straps to a roof structure above the shingles to be gauged.

1,582,621. FUEL ECONOMIZER. GEORGE B. ROBERTS, Chicago, Ill. Filed June 13, 1925. Serial No. 36,987. 3 Claims. (Cl. 158—118.)



1. A fuel economizer comprising a tubular member through which the fuel is conducted, said member having a turbine reaction rotor mounted therein adapted for actuation by the flow of fuel, and said member having a lateral aperture and sealing means therefor, with a screw member mounted therein for adjustment of said rotor to more or less restrict the fuel passageway, according to the setting of said screw member.

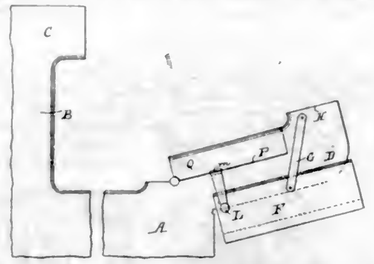
1,582,622. STROBOSCOPIC APPARATUS. ALBERT JASPER ASHDOWN, Letchworth, Hertfordshire, England. Filed Dec. 8, 1924. Serial No. 754,610. 3 Claims. (Cl. 88—14.)



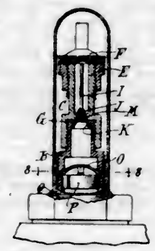
1. In a stroboscopic apparatus having shutter means adapted to be interposed between the observer and the objective, the shutter means comprising a plurality of spaced strips adapted to be simultaneously brought into a position in superimposed planes parallel with and in the path of the line of sight to the objective, means for effecting movement of such shutter means, the spaced strips being divided into two relatively movable sets whereby they can be adjusted to different planes.

1,582,623. HEAD FITTING FOR MOTOR VEHICLES. HERBERT AUSTIN, Bromsgrove, England. Filed June 26, 1925. Serial No. 39,723. 2 Claims. (Cl. 296—108.)

1. A head fitting for a vehicle body comprising a rigid vertical portion hinged at its lower end to the vehicle body, a rigid roof portion extending horizontally from the top of the vertical portion, a pair of links connecting the top of the vertical rigid portion with points along the side edges of the roof portion and intermediate the ends thereof, a stay to support the roof portion when folded down and a plate swivelled to the said vertical portion and hinged to the stay in such a way that the stay can be folded up against the said vertical portion when out of use.

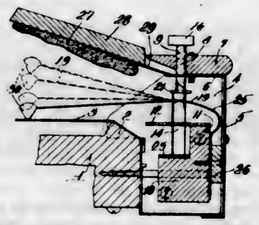


1,582,624. VALVES FOR PNEUMATIC TIRES OR THE LIKE. PRESTON BACON, Bronxville, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed May 9, 1924. Serial No. 711,947. 4 Claims. (Cl. 152—12.)



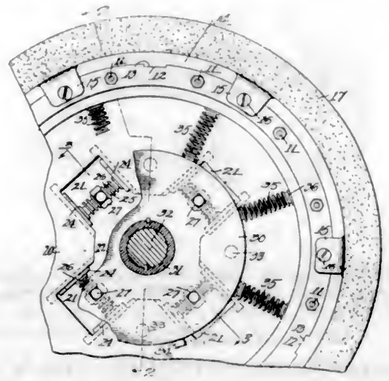
1. In a valve for pneumatic tires or the like, a valve casing having a tapered seat, a valve check adapted to be inserted through said seat, and means lying above said seat for preventing blowing out of said valve check, said means comprising a member having a part forming a continuation of said valve seat.

1,582,625. SPRING-SHANK-HAMMER MECHANISM. HARRIE A. BALLARD, Boston, Mass., assignor to The Phonoharp Company, East Boston, Mass., a Corporation of Maine. Filed July 28, 1922. Serial No. 578,084. 20 Claims. (Cl. 84—324.)



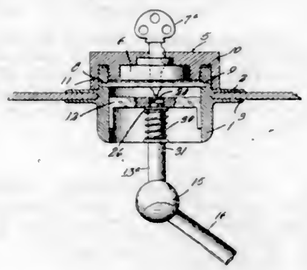
3. In a musical instrument, an axially slidable plunger having a sheet metal shank portion provided with a slot, a spring hammer having a leaf spring shank portion passed through said slot between its ends, the sides of said slot closely engaging said spring shank, and means for fixing one end of said spring shank leaving the head end of said spring hammer free.

1,582,626. SPRING WHEEL. PETER J. BENSON, Worcester, Mass. Filed Sept. 5, 1925. Serial No. 54,667. 10 Claims. (Cl. 152—28.)



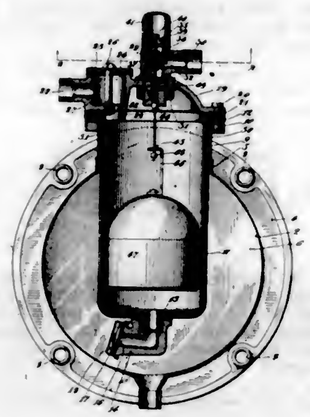
4. In a spring wheel, the combination with a rim and a plate secured thereto and extending inwardly part way to the hub of the wheel, of a series of levers extending axially springs on opposite sides of each lever for transmitting the pressure of the lever to the plate yieldingly, a pair of discs fixed with respect to the hub of the wheel located on opposite sides of said plate and overlapping the same and having perforations through which said levers pass, and means beyond said discs for anchoring the opposite ends of said levers.

1,582,627. GAS-TANK-LOCKING DEVICE. JACOB S. BIDDLE, Leavenworth, Kans. Filed Nov. 7, 1923. Serial No. 673,348. 2 Claims. (Cl. 251—7.)



2. In combination with a filling plug having means for fixing it in an aperture in a container, a cap to close the outer end of said plug, key controlled means for locking said cap on said plug, a cross bar mounted in said plug below said locking means and having a central aperture therein, a rod for connection with a valve to be controlled having a reduced end fitting in the aperture of said cross bar, said rod end having a groove in its reduced portion extending into the body portion thereof, a ring adapted to be mounted on said reduced end and having an inwardly offset arm to be located in said groove, a disk carried by said arm fitting over the end of said rod, said disk and end having registering apertures therein, a coiled spring mounted on said rod and normally forcing said disk away from said rod end, and a key for controlling the locking means of said cap and adapted to enter the apertures in said disk and rod end against the tension of the spring on said rod whereby the rod may be turned by said key.

1,582,628. VACUUM FEED SYSTEM. ENEA BOSSI, New York, N. Y., assignor, by mesne assignments, to Stewart Warner Speedometer Corporation, a Corporation of Virginia. Filed Nov. 23, 1920. Serial No. 425,950. 22 Claims. (Cl. 103—236.)



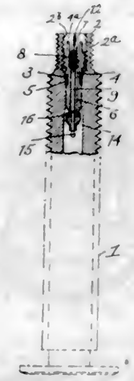
1. In a vacuum feed device the combination of a primary reservoir, a vacuum line, a control valve in the upper portion of said primary reservoir and adapted to control the vacuum line, said control valve comprising a plurality of valve members effective to be simultaneously operative upon said vacuum line.

1,582,629. PENCIL SHARPENER AND WIPER. WARREN R. BRIGGS, Stratford, Conn. Filed Jan. 26, 1926. Serial No. 83,788. 3 Claims. (Cl. 120—86.)

1. A device of the character set forth, comprising cylindrical spring members having resilient edges facing inwardly and having openings in their outer walls and slots on opposite sides of said openings, an abradant carrying plate positioned between said edges and having lugs extending through said openings and bent, clamps confined between said plate and edges and having diverging pinch levers extending through said slots, and wipers confined between said edges and clamps and projecting inwardly beyond said clamps.

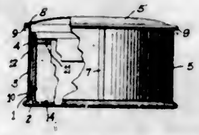
1,582,630. VALVE INSIDES. ADELBERT E. BRONSON, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 25, 1921. Serial No. 487,446. 3 Claims. (Cl. 152—12.)

3. In a valve insides, a body portion, a bore extending axially through said body portion, said bore being of enlarged diameter at its upper end, a spring in said enlarged bore, a valve stem extending through the bore and through the spring, a valve proper carried by the valve stem and engaging with the lower end of the valve casing, said valve stem being provided with a body which extends from the valve stem said body being provided with grooves or spaces through which air may pass, the diameter of said extension being slightly less than the diameter of the bore in which it is placed



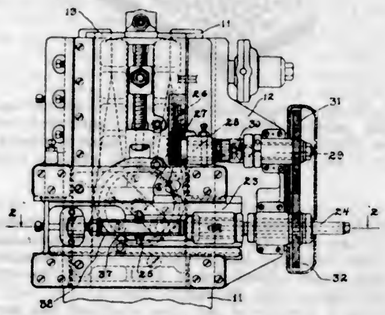
thereby forming a guide for the valve stem and said extension also serving as a seat against which one end of the aforesaid spring may bear.

1,582,631. BOX. ALFRED E. BRUNS, Huntington, N. Y., assignor to Metal Package Corporation of New York, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,694. 6 Claims. (Cl. 220—1.)



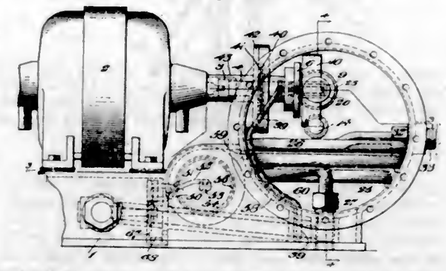
1. In a box, a body, a container fitting snugly therein, a collar fitting over a wall of said body and held thereto by tight frictional engagement, means on said collar for preventing removal of said container and a cover engaging said body and hiding said collar and container from view.

1,582,632. WORM-WHEEL-GENERATING MACHINE. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 5, 1924. Serial No. 697,042. 8 Claims. (Cl. 90—4.)



1. A worm wheel generating machine comprising in combination, a base, a column thereon, a blank supporting and operating table on said base, a cutter supported adjacent said blank and adapted to be simultaneously rotated and advanced axially, means to effect a rolling movement of the blank past the cutter, and means to return the blank to its original position without rolling after a plurality of operative movement of the cutter

1,582,633. REFRIGERATING APPARATUS. WILLIAM BURLINGHAM, Tenafly, RALPH L. LOVELL, Cranford, N. J., and ALBERT C. DENSLOW, New York, N. Y., assignors to Adams, Lovell, Burlingham, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 25, 1922. Serial No. 531,607. 2 Claims. (Cl. 62—115.)



2. In a device of the character stated, a casing constituting a condenser chamber, a supply chamber adjacent thereto, a cooling coil in said condenser chamber, said chambers having a common wall between them, ports at different levels in said wall, a compressor comprising a double ended compressor piston located within said chamber, compressor chambers in which said piston works, ports between said last named chambers and said condenser chamber, said ports opening to discharge directly against said cooling coil, a pipe leading from said supply chamber at a point below the lowest port in said wall to said compressor, and an evaporator having its suction end communicating with said compressor and being in valved controlled communication with said supply chamber.

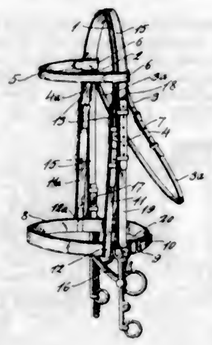
1,582,634. GAS BURNER. HENRY C. CALDWELL, Buffalo, N. Y. Filed May 19, 1924. Serial No. 714,313. 18 Claims. (Cl. 158—99.)

14. A gas burner comprising an off-take chamber, with a gas outlet at one side of the burner axis, a combustion chamber connected to said off-take chamber by ports distributed about said axis, and a multiplicity of gas supply channels opening to said combustion chamber at points distributed about said axis, said parts and elements forming paths so relatively proportioned that such of those paths which open to said off-take chamber at points remote from said outlet offer less resistance to gas flow therethrough than do the paths opening to said chamber nearer to said outlet.

1,582,635. POLO BRIDLE. CHARLES D. CAREY, Cheyenne, Wyo. Filed Oct. 6, 1925. Serial No. 60,778. 1 Claim. (Cl. 54—6.)

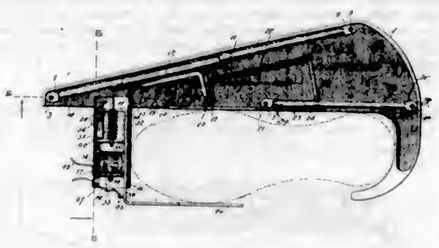
A polo bridle comprising, in combination a halter portion, and a bit supporting portion, the halter comprising a crown piece adapted to pass over the horse's head, a brow band having its ends formed into loops, a nose band, cheek straps secured to the nose band, means for securing the cheek straps to the crown piece, a throat

latch, a bit, a long cheek strap secured to one end of said bit, a short cheek strap secured to the other end of said bit, said long strap being adapted to pass through one of the loops in the ends of the brow band, thence over the crown piece and downwardly through the loop



on the other side, and means comprising a buckle for securing the free end of the long cheek strap to the free end of the short cheek strap whereby the bit supporting part may be removed and replaced without disturbing the halter portion.

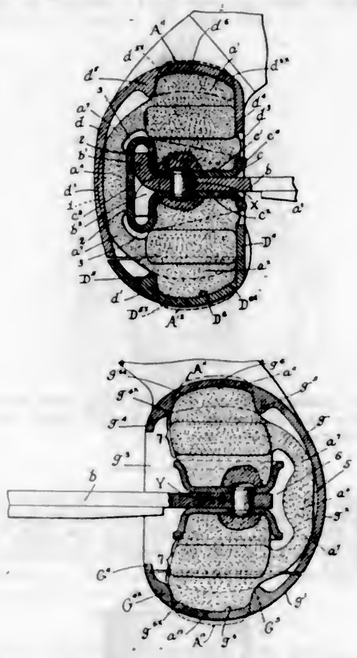
1,582,636. FOOT AND LAST MEASURING MACHINE. HAROLD E. CLARKE, Somerville, Mass. Filed Feb. 9, 1924. Serial No. 691,802. 4 Claims. (Cl. 33—3.)



1. In a device of the character specified the combination of a heel-plate, a toe-plate, a support provided with a scale of shoe length-sizes and a slantingly disposed guide-member, whereon said toe-plate is slidably mounted in a manner whereby it will, upon sliding, be moved laterally a distance equal to a shoe width-size for each unit of shoe length-size that it is slid along said guide member and support, a side-plate slidably mounted upon said toe-plate, a width-size indicating means and means whereby said width-size indicating means may be operated by the sliding movement of said side-plate.

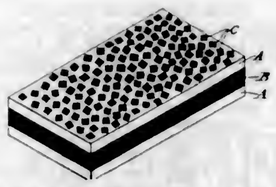
1,582,637. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. ROBERT FULTON COWELL, Bogota, N. J., and FRED L. LIPCOT, New York, N. Y., assignors to The Rubber Shock Insulator Company, Inc., New York, N. Y., a Corporation of Delaware. Filed June 27, 1925. Serial No. 39,932. 9 Claims. (Cl. 267—30.)

1. In a motor vehicle, a connection and support interposed between the spring and the frame comprising housings carried with the frame and into which the ends of the spring extend, respectively, substantially identical blocks of yielding non-metallic material disposed within the housings and engaging the ends of



the springs, means to confine one end of the spring yieldingly against relative movement, and means to afford free elongation of the spring.

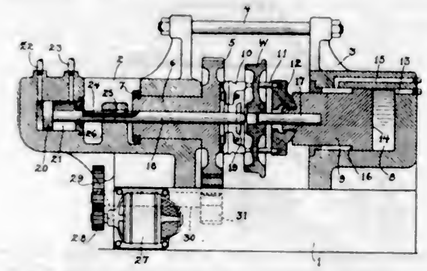
1,582,638. EXPANSION JOINT. ROSCOE B. CRABBS, Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company, a Corporation of Ohio. Filed Oct. 3, 1921. Serial No. 504,958. 2 Claims. (Cl. 94—18.)



1. In an expansion joint a mass of bituminous material, elastic flexible bituminous saturated surface layer thereon and openings in said layer to permit contact of the bituminous material with adjacent material.

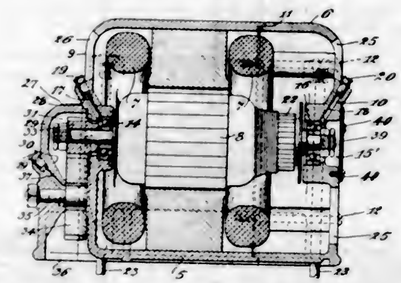
1,582,639. METAL-WORKING MACHINE. JAMES K. CULLEN, New York, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 5, 1923. Serial No. 617,153. 12 Claims. (Cl. 82—2.)

1. In a machine of the class described, the combination of a base, a headstock and a tailstock thereon, a face plate rotatably mounted on the headstock, work driving means on the face plate, opposed work engaging and centering means supported by the tailstock, the said work driving and engaging means being relatively angularly adjustable whereby to uniformly engage the work piece therebetween, a cutter bar extending axially of the face plate, means including fluid pressure operated



means for causing a relative approaching and work engaging movement between the work driving and engaging means and for feeding the bar axially toward the work piece, and means for rotating the face plate and the said work piece.

1,582,640. CASING FOR ELECTRIC MOTORS. HUBERT DALTON, Stamford, Conn. Filed Mar. 13, 1925. Serial No. 15,197. 3 Claims. (Cl. 112—36.)

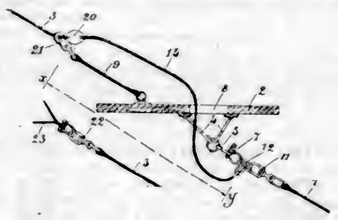


2. A two-part casing adapted to receive and enclose the parts of an electric motor, each of said casing parts having an end wall provided with a bearing for the motor shaft and also provided with ventilating openings, one end of the motor shaft extending exteriorly of the casing adapted to be connected with power transmission gearing, means for detachably connecting said casing parts in assembled relation with each other, a housing having an open side opposed to the end wall of one of the casing parts and said housing providing a chamber to enclose parts of the gearing and constituting a barrier between said chamber and the ventilating openings in the end wall of the casing part, and means for detachably securing said housing in fixed relation to the casing.

1,582,641. TRAWLING GEAR. RENÉ LOUIS MARIE DANIÉLOU and JACQUES JULES VERHOEVEN, Lorient, France, assignors to Vigneron, Dahl & Cie., La Rochelle, France. Original application filed Dec. 6, 1923, Serial No. 678,905. Divided and this application filed June 16, 1925. Serial No. 37,411. 3 Claims. (Cl. 43—9.)

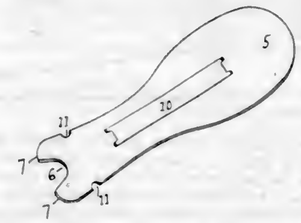
1. A towing device for trawl nets comprising a towing line adapted to be connected to one of the net wings, an otter board, a tow hawser adapted to be

connected to the boat, means for detachably connecting the tow hawser to the inner face of said board, a sliding member connected to the outer face of said



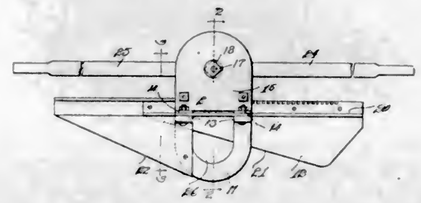
board and adapted to slide on the towing line, a stop-piece on said towing line adapted to engage with the sliding member and an intermediate cable connecting the stop piece to the hawser.

1,582,642. SHANK STIFFENER. ROBERT DAVIS, Brooklyn, N. Y., assignor to Brooklyn Box Toe Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 22, 1924. Serial No. 757,356. 2 Claims. (Cl. 36—76.)



1. A shank stiffener for shoes comprising a resilient leather member adapted to be positioned between the inner and outer soles, and notches located one opposite the other in the forward edges of the member to permit greater ease of transverse flexure adjacent the metatarsophalangeal joint.

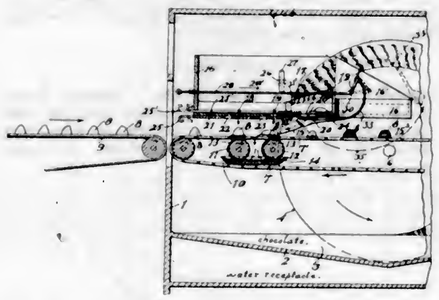
1,582,643. DEHORNING DEVICE. JOSEPH F. DRILLING, Stanton, Minn. Filed July 3, 1924. Serial No. 724,100. 1 Claim. (Cl. 128—308.)



A dehorning device including a frame comprising a pair of parallel spaced U-shaped members, an approximately triangular guard carried by one side of the frame and extending therefrom, a lever secured to the arms of one of the U-shaped members and extending thereacross and therebeyond, the upper ends of the other U-shaped member being extended at right angles away from the first U-shaped member, angle plates secured to and spaced from the said upper ends of the second U-shaped member, a cover plate secured to the first U-shaped member and disposed outwardly of the vertical portions of said angle plates, a pivot

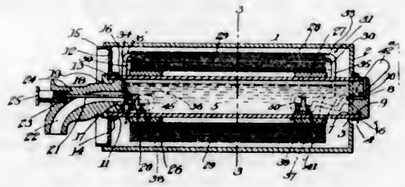
through the said cover plate and the said lever, a gear on the pivot between the plate and lever, an approximately triangular knife slidable between the U-shaped members and in said triangular guard, an angle plate carried by the knife and having one wing thereof slidable between the first-named angle plates and said outturned ends of the U-shaped member, the other wing of the last-named angle plate having teeth engaging said gear, and a lever secured to said gear.

1,582,644. CHOCOLATE-COATING MACHINERY. GEORGE A. DUMAS, Springfield, Mass., assignor of one-fourth to Herbert L. Handy, sr., one-fourth to Herbert L. Handy, jr., and one-fourth to Herman H. Handy, all of Springfield, Mass. Filed Nov. 12, 1924. Serial No. 749,425. 11 Claims. (Cl. 91—3.)



1. A confectionery coating machine having in combination with only a single endless carrier on which the articles to be coated are placed when the coating takes place, a receptacle below the said carrier for receiving the coating material, means including grooved rollers for conveying the coating material to only the under surface of the article.

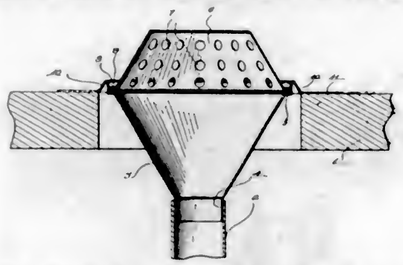
1,582,645. COMBINATION LIQUID-SOAP DISPENSER AND TOWEL RACK. WILLIAM F. FINDLEY, Los Angeles, Calif. Filed Jan. 29, 1923. Serial No. 615,513. 5 Claims. (Cl. 206—47.)



3. In combination, a towel container provided with a towel slot, a towel wound in a roll within said container and extending through said slot, and a spring gripper mounted within said container for gripping the towel against the inside of said container, and means for disengaging said gripper from the towel.

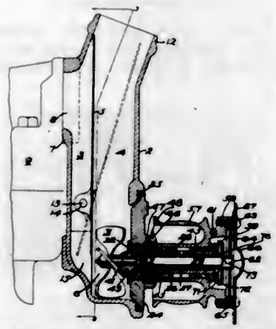
1,582,646. ROOF CONNECTION. CHARLES W. FLESCH and WILLIAM J. SCHMITT, Rochester, N. Y. Filed Feb. 15, 1926. Serial No. 88,429. 1 Claim. (Cl. 182—31.)

A roof connection comprising a down-spout connecting portion, an outwardly presented portion at the upper end of the down-spout connecting portion forming a seat for a strainer, an upwardly extending portion forming an abutment for a strainer, a downwardly and outwardly extending portion leading directly from the the upper edge of the abutment and forming an article obstructing surface and an outwardly extending portion



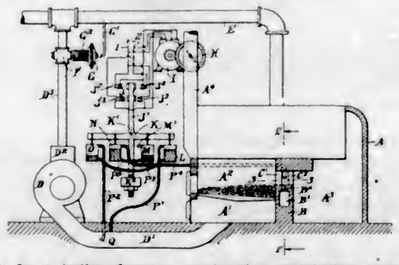
leading directly from said article obstructing surface and forming a support for the connection, and a strainer resting on the seat and having its edge in abutment with the upwardly extending abutment about the seat.

1,582,647. CIRCULATING PUMP. KNUD FREITAG, Oakland, Calif. Filed Mar. 4, 1924. Serial No. 696,780. 14 Claims. (Cl. 123—175.)



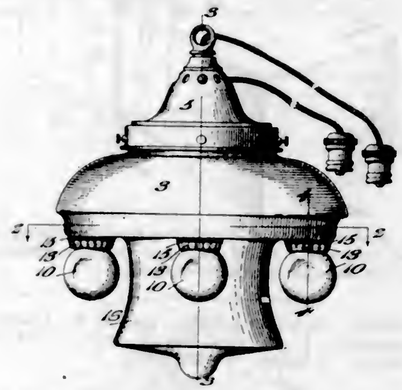
1. In a water cooling system for internal combustion engines consisting of a water jacket, a radiator and connections between the water jacket and radiator at the top and bottom to permit thermo-siphonic circulation, means operating coincidentally with the engine for forcing water through said system, and a valve in the system arranged to open in the direction of the thermo-siphonic flow, the pressure produced by the operation of the water forcing means serving to close said valve.

1,582,648. FURNACE REGULATION. GEORGE H. GIBSON, Montclair, N. J. Filed May 25, 1918. Serial No. 236,450. 17 Claims. (Cl. 236—14.)



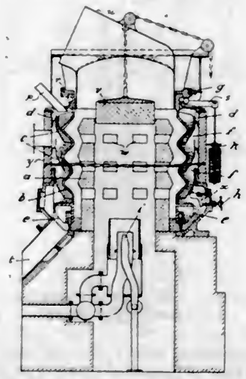
9. In a boiler furnace combustion regulating system, the combination of means for maintaining a control force which increases and decreases with the boiler load requirements, means for creating a second control force varying with the pressure in the boiler furnace combustion chamber, and a stack damper actuator jointly controlled by said forces.

1,582,649. ELECTRIC-LIGHTING FIXTURE. EDGAR A. GILLINDER, Philadelphia, Pa. Filed July 23, 1924. Serial No. 727,618. 2 Claims. (Cl. 240—78.)



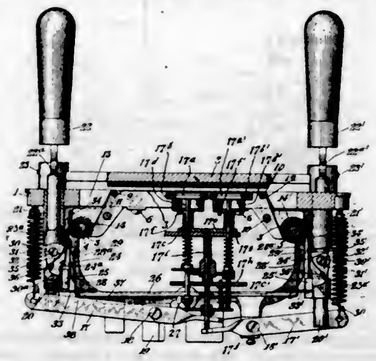
1. An illuminating device of the character stated, comprising an integral glass bowl closed at the bottom and open at the top, said bowl including an upper portion composed of curvilinear and plain walls and a lower pendant portion of lesser diameter, formed integral therewith, a through opening in the plain wall of the upper portion of said bowl, an electric socket extending through said opening and supported entirely by said wall, adapted to receive an electric globe from without, said electric socket comprising an inner and an outer member, one of said member extending through said opening while the other of said members is detachably secured to the former member.

1,582,650. DISTILLING OVEN. OSKAR LASCHE, deceased, late of Berlin-Charlottenburg, Germany, by Fritz Lasche, executor, Berlin-Charlottenburg, Germany, and Carl Geissen, Berlin-Schoneberg, Germany, assignors to Kohlenveredlung G. m. b. H., Berlin, Germany, a Firm. Filed Nov. 15, 1923. Serial No. 675,021. 3 Claims. (Cl. 202—9.)



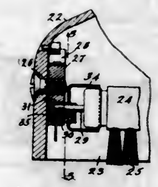
1. Oven for the distillation of solid fuel and similar material comprising a cylindrical transversely corrugated shell arranged with its axis in vertical position, means for heating such shell from within, means for forming on and in contact with the outer surface of said shell a layer of the material to be distilled and a non-heated jacket surrounding said layer forming means and spaced therefrom.

1,582,651. DEVICE FOR AUTOMATICALLY SHIFTING THE DIRECTION OF FEED OF AN INK RIBBON IN PRINTING MACHINES. HENRY ABBOTT, East Orange, N. J., assignor to The Calculagraph Company, a Corporation of New Jersey. Filed June 22, 1922. Serial No. 570,275. 30 Claims. (Cl. 101—336.)



1. In a printing machine, the combination of printing means, ribbon-feeding means comprising spools for the ends of the ribbon, means for actuating said spools, mechanism for permitting and restraining the operation of one of said actuating means comprising a part necessarily having a reciprocation to an operative point when a single printing operation is effected, and means influenced by the ribbon for putting said part into and out of operative relation with another part of said mechanism.

1,582,652. SPINDLE MOUNTING. ROBERT J. ALBRECHT, Racine, Wis., assignor to Hamilton-Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Feb. 21, 1922. Serial No. 538,213. 1 Claim. (Cl. 15—8.)

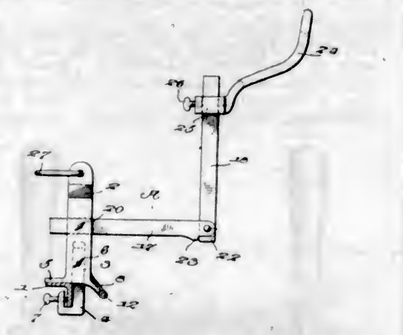


In a vacuum cleaner, in combination with a nozzle having a suction mouth, a brush spindle, a spindle mounting associated with the nozzle and having an open, downwardly facing pocket in which the spindle end is adapted to seat, and a plate associated with said spindle mounting, having an offset spring loop arranged to pass below the spindle for normally preventing the spindle from dropping out and displaceable to permit removal of the spindle.

1,582,653. OBSTETRICAL APPLIANCE. ERNEST FOSTER ALLEYNE, Nashville, Tenn. Filed June 8, 1925. Serial No. 35,667. 1 Claim. (Cl. 45—50.)

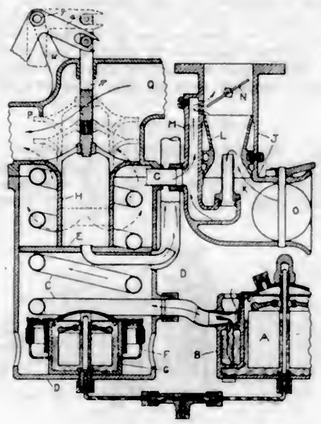
An obstetrical support comprising an upright post, clamping means on the bottom of the post for clamping the same to the side beam of a bed, and a hand-hold connected to the top of the post and arranged to be

folded down against the post, an off-set post comprising a horizontal member and a vertical member connected through a stop hinge arranged to permit the members to be folded in overlapping relation when not in use but limiting the degree of unfolding to approximately a



right angle, means for adjustably securing the horizontal member to the first mentioned post at different points along the horizontal member and a foot rest with means for adjustably securing the same at different points along the vertical member.

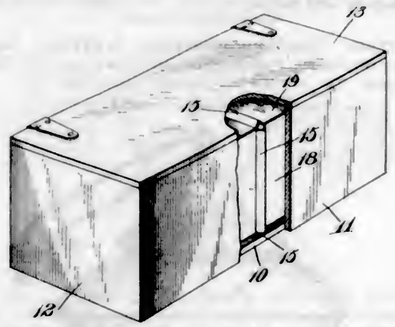
1,582,654. VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. RAYMOND M. ANDERSON, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed Sept. 1, 1920, Serial No. 407,509. Renewed Sept. 21, 1925. 4 Claims. (Cl. 123—133.)



1. In a vaporizer, a mixing chamber having an air entrance and a rich mixture entrance, a liquid fuel supply, a conduit conveyeing air and fuel from the fuel supply to said rich mixture entrance, one portion of said rich mixture conduit being heated by passing thru a chamber thru which pass the products of combustion from an independent heating burner and another portion of said conduit by the variable heat supplied from the exhaust of the engine to which the said vaporizer is attached.

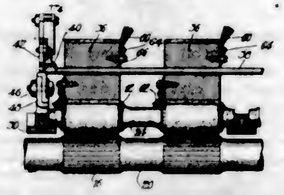
1,582,655. FISH-SHIPPING BOX. WILLIAM E. ANDREGG, Sturgeon Bay, Wis. Filed Apr. 11, 1925. Serial No. 22,413. 4 Claims. (Cl. 220—1.)

1. A fish shipping box comprising outer and inner containers, the inner container comprising a sheet metal longitudinally corrugated and transversely folded to produce the the top, bottom and sides of said inner container, the corrugations of the inner container forming upon



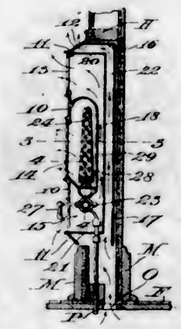
the outer face thereof outstanding ribs maintaining the inner container in spaced relation to the outer container, and end walls for said inner container.

1,582,656. ROLL CLEARER. GEORGE F. ANDREWS, Greenville, S. C. Filed May 9, 1925. Serial No. 29,034. 10 Claims. (Cl. 19—134.)



9. Apparatus of the type described which comprises, a series of lower rolls mounted in spaced relation on a lower axle, a series of upper rolls similarly spaced and rolling on said lower rolls, guides for said upper rolls, clearing rolls mounted to roll on and be supported on said upper rolls and means journaled on said clearing rolls and supporting said guides, and clearing brushes on said clearing rolls projecting between said upper rolls.

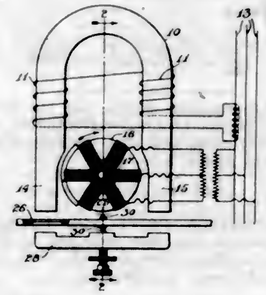
1,582,657. WALL FURNACE. JOHN S. ANDREWS, Los Angeles, Calif. Filed June 29, 1925. Serial No. 40,181. 4 Claims. (Cl. 126—92.)



1. The combination with a building wall in the lower portion of which is formed a pocket and there being an opening in the floor beneath said wall, which opening communicates with the lower portion of said pocket, of a heating appliance located in said pocket and compris-

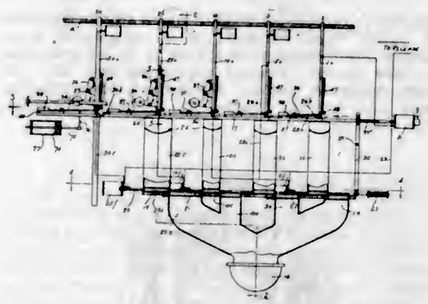
ing a face plate, a housing secured to the rear side of said face plate and occupying the rear portion of the space within said pocket the lower end of which housing is open, a second housing arranged on the rear side of the face plate and spaced apart from the first mentioned housing, the lower end of which second mentioned housing being closed, a gaseous fuel burner arranged within the chamber in the lower portion of said second mentioned housing, radiant heating elements disposed above said gaseous fuel burner and a reflecting housing arranged to the rear of said radiant heating elements.

1,582,658. SATURATION COMPENSATION FOR METERS. DONALD J. ANGUS, Indianapolis, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 26, 1922. Serial No. 563,914. 12 Claims. (Cl. 171—309.)



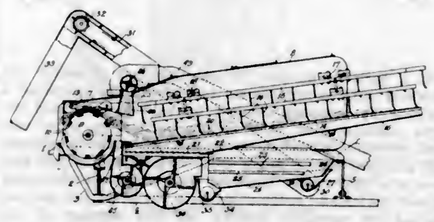
1. In a meter, a magnet having an exciting winding, a meter element arranged to be acted on by flux from said magnet, and an automatically movable magnetic shunt for said magnet for diverting part of the flux away from said meter element, said shunt being constituted so that it approaches saturation more rapidly than does the magnet proper.

1,582,659. AUTOMATIC CASHIER. BERTRAM F. BAKER, Tannersville, N. Y., assignor of one-half to Walter N. McClellan, Brooklyn, N. Y. Filed Jan. 4, 1924. Serial No. 684,292. 5 Claims. (Cl. 194—7.)



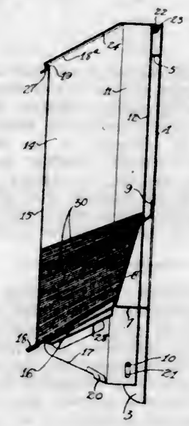
1. In coin mechanism as set forth, the combination of means having a slot for the insertion of a coin for the payment of a fee, guide means for conveying the coin from the slot, transfer mechanism to receive the coin so guided and check it on its path, power means for moving the transfer mechanism to cause the delivery therefrom of the coin so checked, and means to initiate the power from the power means as a result of the engagement of the coin therewith, the transfer mechanism aforesaid being a member slidably movable at an angle to the direction of movement of the coin and having a slit adjacent to that portion that receives and checks the coin for the passage therethrough of the coin after the member is moved.

1,582,660. AGRICULTURAL MACHINE. CURTIS C. BALDWIN, La Porte, Ind., assignor to Advance Rumely Company, La Porte, Ind., a Corporation of Indiana. Original application filed Oct. 18, 1920, Serial No. 417,644. Divided and this application filed Dec. 22, 1922. Serial No. 608,417. 14 Claims. (Cl. 130—29.)



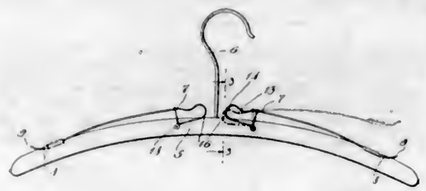
1. An agricultural machine comprising threshing means, means for receiving the threshed material, and means located adjacent the exit of the threshing means and at oposite sides of the path of movement of the threshed material issuing from the exit of the threshing means, said means causing the movement of a stream of air transversely through said issuing material for removing chaff, dust and similar substances therefrom before the material arrives at the receiving means.

1,582,661. COLLAPSED-CUP DISPENSER. CESARE BARBIERI, New York, N. Y., assignor to Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 3, 1923. Serial No. 678,120. 8 Claims. (Cl. 211—29.)



1. A paper cup dispenser comprising a mounting plate adapted to be rigidly secured to a wall, a cup container pivotally supported at its lower end to the lower portion of the mounting plate, a cover pivoted on the upper end of the container, and a cup tilting device on said mounting plate projecting through the rear wall of the container.

1,582,662. COAT HANGER. CHARLES BART, Kew Gardens, N. Y. Filed Feb. 24, 1925. Serial No. 11,057. 5 Claims. (Cl. 223—64.)



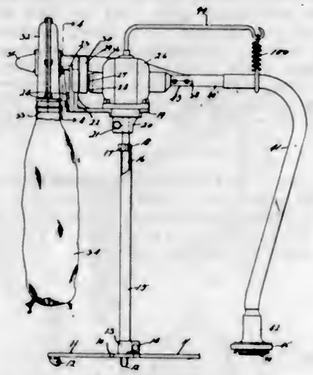
1. A garment hanger, the side portions of which are provided with clamp devices for frictionally retaining a garment against displacement on said hanger, said devices comprising an outer or jaw portion, an inner portion pivotally mounted in connection with the hanger and provided with a finger piece for moving the jaw portion into inoperative position, and means on the pivot of said device and cooperating with the pivot and portion thereof for normally holding the jaw member of the device in operative position under tension.

1,582,663. SWITCH GUARD. EDWARD W. BASTIAN, Houston, Tex. Filed Apr. 13, 1925. Serial No. 22,892. 7 Claims. (Cl. 70—54.)

1. A guard of the character described including a casing, a shutter hinged thereto, a lock mechanism carried by the shutter and including a plunger, the casing being provided with means adapted to interlock with the plunger when the shutter is in closed position, yieldable means normally holding the plunger in said interlocking position, a plunger actuating rod adapted to release the plunger from said interlocking means and a plunger locking disc adapted to engage behind the plunger to lock it against release.

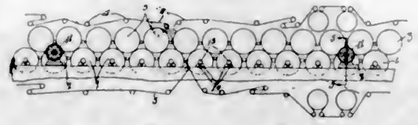
1,582,664. PORTABLE BLACKBOARD RENOVATOR. ALBERT P. BENNINGTON, Philadelphia, Pa. Filed Apr. 15, 1925. Serial No. 23,217. 2 Claims. (Cl. 51—180.)

1. In a portable adjustable blackboard renovator, a movable base, a clamp socket on the base, a tubular standard section removably mounted in the clamp socket, a second standard section rotatably and slidably mounted in the tubular section, a clamp on the second standard section and resting on the upper end of the tubular standard section whereby the second named section may be adjusted or rotated relative to the tubular section, a table removably connected with the second named standard section, a motor clamped on said table, a bracket adjustably connected with the table, a suction device supported by said bracket, means for driving the suction device from the motor, the tension of said means being varied by adjusting the bracket relative to the table, a cleaning head including a rotatable part and a surrounding stationary jacket, a flexible drive shaft con-



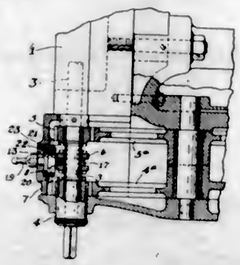
nected with the rotatable portion and the shaft of the motor, and a flexible conduit connecting the stationary portion of the cleaning head with the suction device and surrounding the flexible drive shaft.

1,582,665. FRICTION DRIVE FOR DRIERS. EARL ELWIN BERRY, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis. Filed Dec. 15, 1923. Serial No. 680,822. 7 Claims. (Cl. 34—48.)



3. In a paper drier unit the combination with a plurality of co-acting drier cylinders, of means connected to drive one of said cylinders, and friction flanges on said cylinders adapted to co-act one with the other to cause the drive transmitted to said one cylinder to be imparted to the remaining cylinders.

1,582,666. CLUTCH-SHIFTING MECHANISM. HAROLD L. BLOOD, North Plainfield, N. J., assignor to, Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Original application filed Mar. 29, 1921, Serial No. 456,545. Divided and this application filed Apr. 6, 1923. Serial No. 630,300. 9 Claims. (Cl. 192—82.)



1. A clutch shifting mechanism comprising the combination of a rotary body portion, a member slidably mounted therein, a spring normally forcing the member in one direction, and a clutch engaging element connected to the member and adapted when the body portion is rotated in one direction to yieldingly engage the clutch element with its driver.

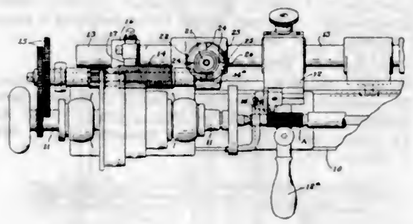
1,582,667. SHOE FASTENER. ELMER L. BRIGGS, Plymouth, Mass. Filed July 25, 1923. Serial No. 653,689. 2 Claims. (Cl. 24—205.)

1. An article of wearing apparel provided with an opening, the opposite edges of said opening being composed of elastic material, fastening members on said elastic material on opposite edges of said opening and a member slidable longitudinally of said opening and adapted to bring said fastening members into interlocking engagement with each other.

1,582,668. METHOD OF COATING VESSELS. MAX DREIFUSS, Baden-Baden, Germany. Filed Nov. 14, 1923. Serial No. 674,758. 1 Claim. (Cl. 91—70.2.)

A method of coating vessels containing iron which comprises applying a flux to the vessel to be coated, heating the vessel to a red heat in a reducing flame, applying an alloy comprising 10–11% of aluminum, 6–10% nickel, 2–5% of lead, .5% iron, and 81.5–73% copper to the heated surface and thereafter repeatedly heating the vessel and applying successive layers until the surface layer consists of the pure alloy.

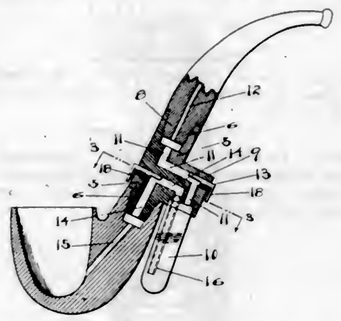
1,582,669. SCREW-THREAD-CUTTING MEANS FOR BENCH LATHES. HENRY E. DURKEE, Glastonbury, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 5, 1923. Serial No. 617,037. 8 Claims. (Cl. 82—5.5.)



1. A screw thread cutting attachment for lathes having a lead screw and an oscillating and axially movable tool controlled by a follower engaging said lead screw, comprising in combination, a rotatably mounted member disposed at right angles to said lead screw adapted to be driven therefrom, and spaced means about the periphery of said member to enable the follower to be mannally oscillated and engaged with the lead screw when the tool and work are in predetermined exact relative positions.

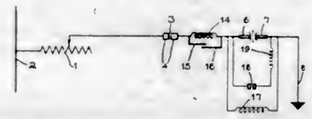
1,582,670. PIPE. FREDERICK A. ECKELMANS, Portland, Oreg. Filed Dec. 11, 1924. Serial No. 755,257. 1 Claim. (Cl. 131—12.)

In a smoking pipe, a block mountable between the bowl and the stem of said pipe, a liquid receptacle mounted upon said block, a port connecting the pipe bowl with said receptacle, a port connecting the pipe stem with said receptacle, a tube extending from said former port



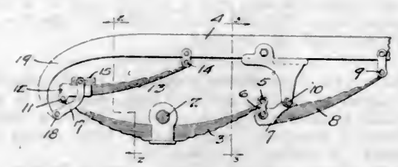
into said receptacle, and valve mechanism in said block adapted to control each of said ports independently and to open either of said ports to the atmosphere.

1,582,671. PROTECTED WELDING CIRCUITS. OTTO H. ESCHHOLZ, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,480. 10 Claims. (Cl. 219—8.)



1. In an arc welding system, the combination with the work to be welded and the movable arcing electrode, of means for grounding the work, a source of relatively high potential having one terminal grounded, an impedance device in series connection between said source and the movable electrode for reducing the potential at the latter, means including an electromagnetic, responsive to excessive arc voltages for providing a by-pass circuit around the arc for reducing the potential at the movable electrode, and means responsive to the current in said by-pass circuit for preventing the by-pass circuit from immediately reopening upon the reduction of said electrode potential.

1,582,672. VEHICLE SPRING SUPPORT. ROLLIE B. FAGEOL, Oakland, Calif. Filed Sept. 14, 1920. Serial No. 410,158. 15 Claims. (Cl. 267—19.)

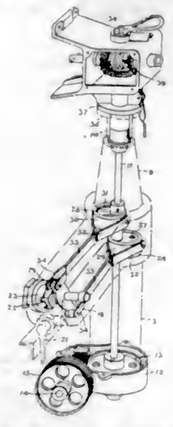


1. The combination with a semi-elliptic main spring and a vehicle frame, of a multiple leaf spring having a flexible portion and a rigid portion fulcrumed to the vehicle frame intermediate the ends of said spring, means connecting the flexible end of the spring to the vehicle frame and means connecting the rigid end of the spring to the end of the main spring.

1,582,673. RIFLE BULLET. FRANK A. FAHRENWALD, Cleveland Heights, Ohio. Filed May 21, 1924. Serial No. 714,814. 1 Claim. (Cl. 102—26.)

A one-piece bullet for high velocity rifles made of a single piece of substantially pure copper and annealed after fabrication.

1,582,674. WASHING MACHINE. FREDERICK MACDONALD FAIRGRIEVE and ARCHIBALD FAIRGRIEVE, Toronto, Ontario, Canada. Filed Jan. 24, 1924. Serial No. 688,278. 4 Claims. (Cl. 74—14.)



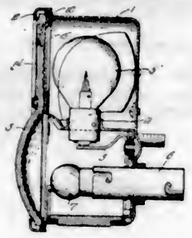
1. In a washing machine, the combination with a rigid frame and an oscillating tub, of a rocker member disengageably connected with the tub, means for moving said rocker member into and out of operating contact with said tub, a vertical drive shaft, a pair of sheaves rigidly arranged upon a connecting sleeve and placed in diametrically opposed relation the one to the other, the said sleeve being rigidly mounted on the drive shaft, rings rotatably mounted on said sheaves, forked connecting rods directly pivoted at one end to said rings and at the other end to the opposing ends of the rocker member.

1,582,675. PRODUCTION OF FORMAMID. REINHOLD FICK, Ludwigshafen-on-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-Rhine, Germany, a Corporation of Germany. Filed Apr. 3, 1925. Serial No. 20,548. 6 Claims. (Cl. 260—124.)

1. A process for the production of formamid which consists in passing ammonium formate in the vapor phase together with ammonia over a contact mass at a temperature below that at which substantial amounts of cyanhydric acid are formed.

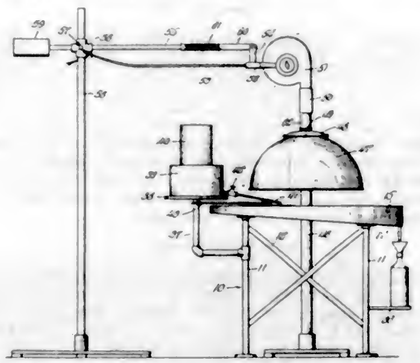
1,582,676. LEGEND-CHANGING LAMP FRONT. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed July 27, 1925. Serial No. 46,317. 3 Claims. (Cl. 40—132.)

1. In a lamp, a source of light, a casing housing the same and having an opening, a translucent member of uniform coloring disposed across the opening and having roughened onter face portions forming a legend visible by reflected light when the source of light is extinguished, the remainder of the outer face portion of the translucent member being smooth; a stencil behind the translucent member for displaying a second legend when the source of light is lighted; the parts of the translucent member which have the said roughened portions being of such a relatively smaller thickness than the smooth-faced parts of the said member as to compensate for the reduction in



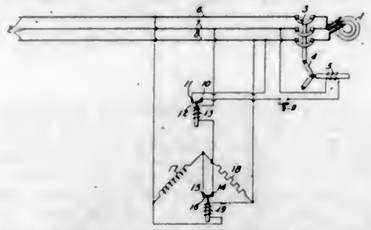
translucency by the roughening, thereby rendering the first named legend invisible when the source of light is lighted.

1,582,677. MACHINE FOR TREATING FOODS AND OTHER SUBSTANCES WITH RAYS. FRED E. GOODALL, Chicago, Ill. Filed Jan. 22, 1925. Serial No. 4,134. 7 Claims. (Cl. 99—2.)



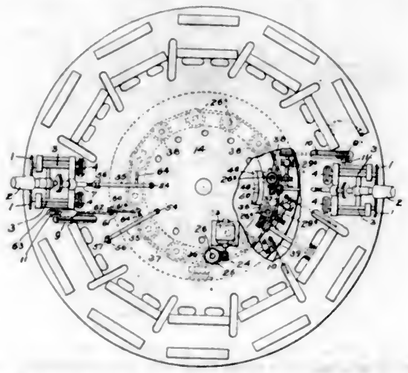
4. In a machine of the class described, a source of ultra-violet and actinic rays, a plane rotatable surface exposed to said rays, and means for introducing a stream of material to be treated onto said surface.

1,582,678. RELAY. WALTER C. GOODWIN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1919, Serial No. 337,127. Renewed Oct. 7, 1924. 4 Claims. (Cl. 175—294.)



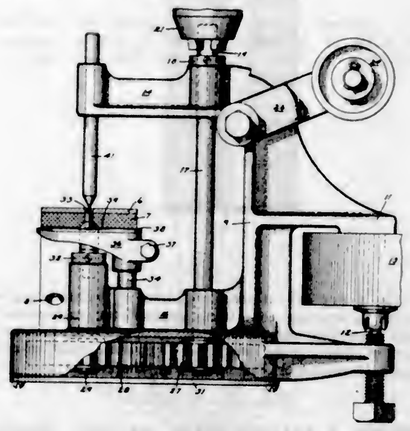
3. In a polyphase electric circuit, the combination with an electrical apparatus and connecting means between the apparatus and the circuit, of means for controlling the effectiveness of the connecting means comprising two devices having different impedance characteristics and a relay, means for connecting the two devices across one phase of the circuit and means responsive to the voltage of said phase for controlling the connection of the junction of said impedance devices in circuit with said relay to another phase conductor of said circuit.

1,582,679. GLASS-CUTTING MACHINE. JAMES BOYD GREER, Pittsburgh, Pa. Filed Dec. 22, 1921. Serial No. 524,235. 11 Claims. (Cl. 51—107.)



1. A glass cutting apparatus comprising a base, a table rotatably supported thereby, a plurality of grinding machines mounted on the table each being provided with a chuck for gripping the article to be cut and with a grinding element, means for rotating the table, gearing between said means and chucks to rotate the same, gearing between said means and the grinding elements to cause actuation thereof, means associated with each machine for disconnecting its chuck-driving means at a predetermined point in the revolution of the table, means for releasing the chuck of each machine at said predetermined point, and means for connecting the chuck-driving means of each machine upon the release of the chuck of an adjacent machine.

1,582,680. DRILL. ROBERT C. GRUBB, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 21,062. 4 Claims. (Cl. 77—5.)

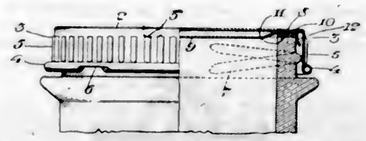


1. An attachment for a drill press comprising a frame, a drill spindle journalled in said frame, drilling means on the upper end of said spindle, a drive shaft journalled vertically in said frame and spaced transversely from said drill spindle, the upper end of the drive shaft extending above the frame to engage the chuck of said drill press, and means connecting the lower ends of the spindle and shaft.

1,582,681. GLASS CONTAINER. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Jan. 17, 1924. Serial No. 686,707. 2 Claims. (Cl. 215—1.)

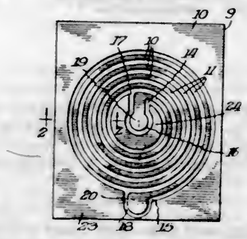
1. A glass container having multiple integral glass shoulders of different diameters, one below another, each shoulder of unthreaded form having an inwardly projecting smooth lower edge forming cap retaining means for the inwardly projecting holding portion of a cap thereby to permit the use of different kinds or depths or sizes of caps on the same container.

1,582,682. COMBINED LUG CAP AND LINER PLATE. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Aug. 22, 1925. Serial No. 51,728. 3 Claims. (Cl. 215—44.)



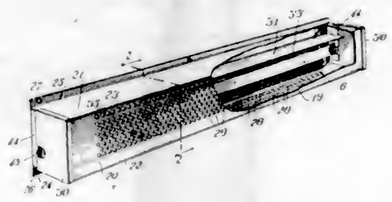
1. A combined cap and liner plate, each having a depending flange, the flange of the cap having inwardly extending lugs or projections for securing it on to a container, a gasket carried by said liner plate, the flange of the liner plate having a depth slightly in excess of the thickness of the gasket and flaring outwardly so that the diameter thereof at its lower edge is greater than that between the lugs of the cap.

1,582,683. RADIOCOIL AND PROCESS OF MAKING SAME. FRANCIS T. HARMON, Chicago, Ill. Filed Mar. 19, 1925. Serial No. 16,619. 9 Claims. (Cl. 175—359.)



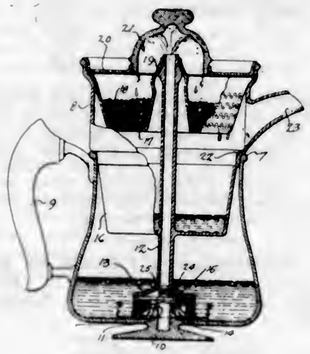
1. The method of making radio coils which consists in applying to a sheet of metal a coating of chemical resisting material, removing the coating material from portions of said sheet, and subjecting the sheet to etching fluid to remove the exposed portions thereof.

1,582,684. ELECTRIC HEATER FOR STREET CARS AND THE LIKE. WILLIAM G. HARTWIG, Chicago, Ill., assignor to Railway Utility Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 26, 1924. Serial No. 709,085. 6 Claims. (Cl. 219—34.)



1. An electric heater of the class described comprising a casing having a perforated front wall adapted to be secured to a vertical support, means within the casing for supporting an electric heater and a baffle plate mounted within the casing and between the heating element and the casing support and spaced from the latter, there being perforations in the lower part of the casing permitting the flow of air currents upward behind the baffle.

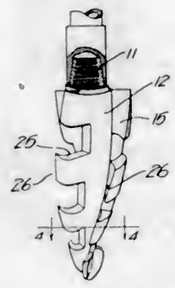
1,582,685. UTENSIL FOR MAKING DRIP COFFEE. LAFE V. PENCE, El Paso, Tex. Filed Dec. 15, 1924. Serial No. 755,853. 3 Claims. (Cl. 53—3.)



3. In combination with a coffee percolator, a thermostat controlled by the body of the liquid in the percolator and constructed to prevent the percolator action until the body of water attains a predetermined temperature.

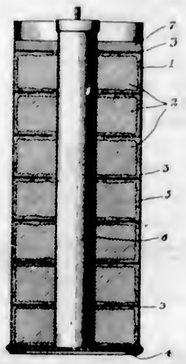
1,582,686. WELL-DRILLING BIT. GUY T. PRYOR, Long Beach, Calif. Filed Jan. 5, 1924. Serial No. 684,555. 6 Claims. (Cl. 255—69.)

1. A well drilling bit comprising: a central body having interrupted conoidal helical blades formed thereon and having a longitudinal central opening, said blades being widest at the top and there wider than the actuating shaft and being also spirally undercut to provide



circulation passages to which a circulating liquid may be fed through laterals from said longitudinal central opening.

1,582,687. DRY CELL. WILLIAM RAMSAY, Westfield, N. J., assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed Mar. 24, 1924. Serial No. 701,451. 7 Claims. (Cl. 136—131.)

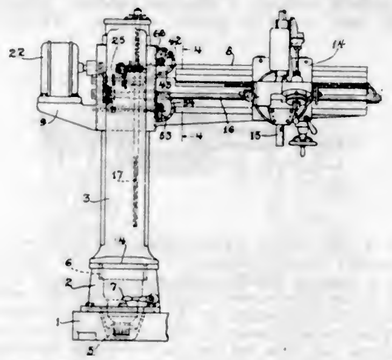


1. In a dry cell, a zinc container, a carbon electrode therein, a mixture containing depolarizing and carbonaceous materials surrounding the carbon electrode, and a layer of depolarizing material separating said mixture from said container and contacting therewith.

1,582,688. RADIAL DRILLING MACHINE. ROSWELL H. RAUSCH, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 8, 1924. Serial No. 691,411. 7 Claims. (Cl. 77—28.)

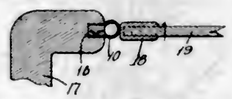
1. In a radial drilling machine, the combination of a base, a vertically divided column mounted thereon, a horizontal arm vertically adjustably mounted between the parts of the column, drill spindle supporting mechanism

slidably mounted on a portion of the arm at one side of the column, a spindle operating shaft extending along such portion of the arm and into the column, a power



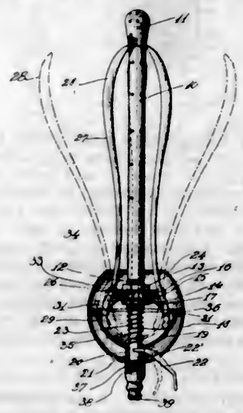
shaft, and means including change speed gearing on the arm within the column for operatively connecting the power shaft and arm shaft.

1,582,689. WINDSHIELD WEATHERPROOFING. GEORGE C. REEVES, Chicago, Ill., assignor to Dryden Rubber Company, Chicago, Ill., a Corporation of Illinois. Filed July 20, 1923. Serial No. 652,762. 3 Claims. (Cl. 296—93.)



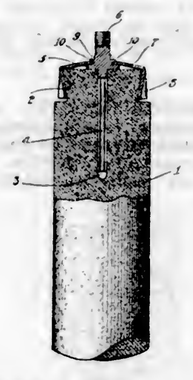
1. A weather-strip comprising a strip of rubber, fabric reinforcement secured to one face of said strip, the central portion of the rubber strip being thinner than the edge portions, and a ridge on one edge portion adapted to enter a groove on the other edge portion when the two edges are brought together.

1,582,690. SYRINGE. CHRISTY REGGIO, Brooklyn, N. Y., assignor to Mildred Reggio, Bellair, N. Y. Filed May 2, 1924. Serial No. 710,601. 5 Claims. (Cl. 128—244.)



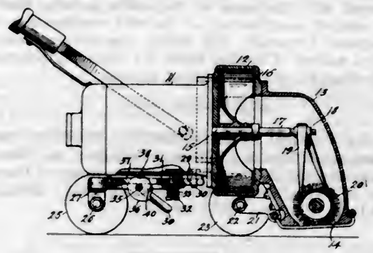
1. A syringe, comprising a partially perforated tubular member having a perforated detachable globular end, a dilator carrier adjustably associated with said tubular member, a plurality of dilators pivotally connected with said carrier, a resilient spreader engaging the shorter arms of the dilators for normally holding the longer arms of said dilators adjacent to said tubular member, cup-shaped dilator operating means adapted to engage the shorter arms of the dilators, actuating means engaging said operating means, a generally globular closure adapted to cover the lower portions of the dilators, the carrier, said operating means and portion of said actuating means and further adapted to be wholly without the organ to be irrigated.

1,582,691. TERMINAL CONNECTION FOR ELECTRODES. EDWIN J. REICH, Brooklyn, N. Y., assignor to The Manhattan Electrical Supply Company, New York, N. Y., a Corporation of Massachusetts. Filed July 30, 1923. Serial No. 654,624. 3 Claims. (Cl. 136—135.)



1. In combination, an electrode, a dowel forced into the end of said electrode, and a cap forced over the end of said electrode and holding the dowel from rotary and vertical displacements.

1,582,692. VACUUM CLEANER. FRED RIEBEL, Jr., Racine, Wis., assignor to Hamilton-Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Nov. 29, 1921. Serial No. 518,509. 3 Claims. (Cl. 15—8.)



3. In a vacuum cleaner, and in combination, a body element comprising a motor casing, a fan casing and a nozzle having a suction mouth, two sets of supporting wheels, a supporting element by which one set of wheels is carried and which is adjustably movable with respect to the body element, a rotary cam having a plurality of peripheral notches on one of said elements and a cooperating cam abutting element on the other of said elements for engaging the periphery of said cam, whereby upon rotation of the cam the relative position of the suction mouth with respect to the surface over which the wheels are to be run is varied and upon engagement of the abutment with one of said notches the body and supporting elements are held in adjusted position, and an operating member for the cam.

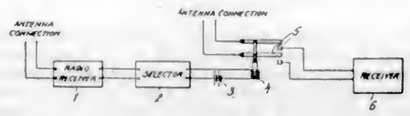
1,582,693. SPINDLE MOUNTING. FRED KIEBEL, Jr., Racine, Wis., assignor to Hamilton-Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Nov. 29, 1921. Serial No. 518,512. 6 Claims. (Cl. 15—8.)

1. In combination, a spindle having a journal, a journal box formed to provide an open-sided bearing for the journal and having a chamber for holding a lubricating element in contact with the journal, and means tending to draw the journal into the bearing portion of the journal box.

1,582,694. SUBMARINE SIGNALING APPARATUS. HANS RIEGGER, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed May 6, 1921. Serial No. 467,355. 2 Claims. (Cl. 177—386.)

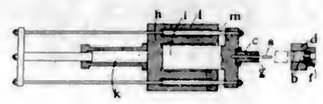
1. In a device of the character described the combination of two coupled oscillatory systems each system being tuned to the same frequency and one system carrying the other, the mass of one system being so small compared with the mass of the other system, that the total coupled combination of the two systems has only one natural frequency, and means, operatively connected with the system of smaller mass, for rendering perceptible the oscillations of the combined systems.

1,582,695. RADIO COMMUNICATION SYSTEM. BRUNO ROSENDAUM, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 498,182. 1 Claim. (Cl. 250—8.)



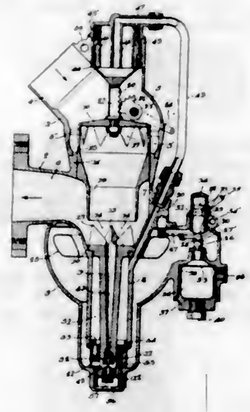
In a radio communication system, the method of remotely and selectively controlling a plurality of receiving stations which comprises transmitting a different series of signals of predetermined sequence for each of said receiving stations to be controlled, receiving said signals at each of said receiving stations, impressing said received signals on a selector operative only by means of one sequence of signals, and operating said selector to operatively connect a radio receiving set.

1,582,696. TUBE-MAKING MACHINE. OSWIG SCHLENSTEDT, Mulheim-Ruhr-Speldorf, Germany, assignor to Hydraulik Gesellschaft mit beschränkter Haftung, Duisburg, Germany, a Germany Company. Filed Apr. 25, 1925. Serial No. 25,863. 7 Claims. (Cl. 207—3.)



1. A tube press of the die and mandrel type comprising a pressing member composed of a piston and ram, a die, and a mandrel concentrically mounted in said member and having a lost-motion connection therewith permitting limited axial movement of the mandrel with respect to said member and preventing the separation of the mandrel from the ram when the latter is withdrawn from the die.

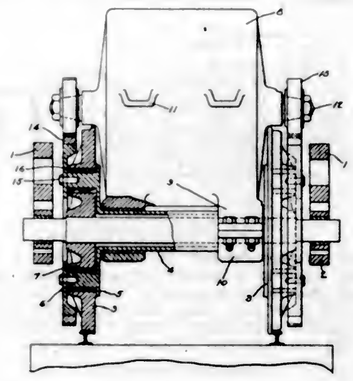
1,582,697. CARBURETOR. WILLIAM SCHOOP, Milwaukee, Wis. Filed Jan. 10, 1920. Serial No. 350,597. 16 Claims. (Cl. 261—52.)



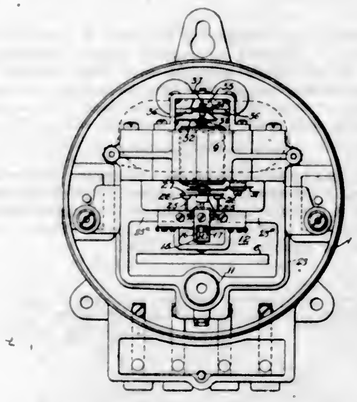
1. A carburetor having means defining inlet and outlet ports of adjustable area, said means being adjustable to vary simultaneously the areas of said ports in proportions adapted to maintain the degree of vacuum between said ports proportionate to air flow in any given setting of said means, a fuel inlet leading to said carburetor with its discharge end exposed to said vacuum and having a normally substantially constant co-efficient of efflux, and a source of fuel supply under substantially constant head and arranged for fuel delivery through said inlet, whereby fuel flow will be proportioned to the degree of vacuum aforesaid and to the rate of air flow.

1,582,698. FLEXIBLE DRIVE. ROBERT SIEGFRIED, Carrick, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 22, 1924. Serial No. 687,881. 4 Claims. (Cl. 105—131.)

1. A flexible drive mechanism comprising a driving motor, a wheeled axle, a quill disposed on said axle having a flanged end provided with projections extending into recessed portions of a wheel of said axle, cooperating gear-wheels respectively mounted on one end of the motor shaft and secured to the projections of said quill, and resilient means interposed between said quill and said wheel.



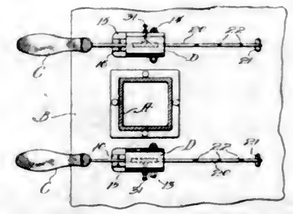
1,582,699. ELECTRICAL MEASURING INSTRUMENT. BENJAMIN H. SMITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,301. 10 Claims. (Cl. 171—265.)



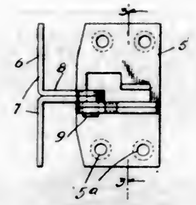
1. A watthour meter comprising an oscillating member, means for controlling the oscillating member, an integrating mechanism, a D'Arsonval meter element comprising a magnetizable member, energizing means therefor and a movable coil controlled by the oscillating member to be operatively connected to the integrating mechanism and means for causing direct current to alternately traverse different portions of the energizing means in opposite directions.

1,582,700. FOOTREST. CHARLES S. SMITH, Chicago, Ill. Filed Jan. 12, 1923. Serial No. 612,249. 7 Claims. (Cl. 15—265.)

1. In a device of the kind described, the combination of a frame, a bar slidably mounted within the frame and adapted to carry a foot rest, and means for exerting a lateral pressure on the bar, comprising a shoe in engagement therewith and an adjusting device having a screw-threaded connection with the frame adapted to vary the pressure of the shoe upon the bar, substantially as described.

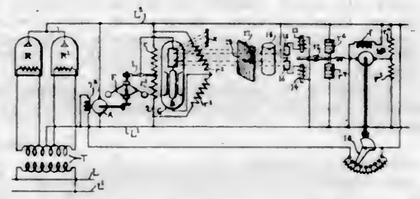


1,582,701. HINGE. JOSEPH SOSS, Brooklyn, N. Y. Filed Apr. 16, 1925. Serial No. 23,702. 2 Claims. (Cl. 16—135.)



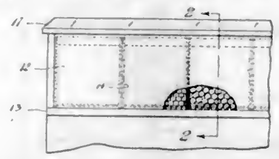
2. A hinge butt fashioned from two substantially similar sheet metal parts L-shaped in form in cross section, said parts comprising a pintle bearing portion and an attaching plate portion, the pintle bearing portion of the separate parts being adapted to be placed one upon the other and secured together and the attaching plate portion of said parts extending in opposite directions in the formation of a hinge butt, and said pintle bearing portions being apertured to receive the pintle pin of the other butt of the hinge.

1,582,702. APPARATUS FOR CONTROLLING ELECTRICAL AND OTHER OPERATING CONDITIONS OF ELECTRIC CIRCUITS. ERWIN R. STOEKLE and ARTHUR SIMON, Milwaukee, Wis., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 20, 1923. Serial No. 652,713. 8 Claims. (Cl. 171—312.)



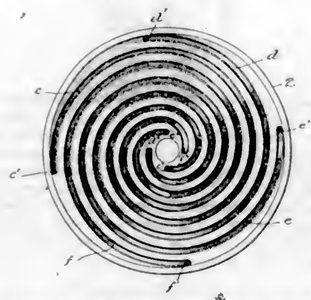
1. A device for controlling the operating condition of an electric circuit, comprising means for deflecting a beam of light to a degree corresponding to the deviation of the operating condition of the circuit from a standard condition, and means for subjecting the circuit to control in accordance with the value of such deflection.

1,582,703. CANDY CONTAINING AND DISPLAYING DEVICE. AURIOL M. STRYKER, Chicago, Ill., assignor to E. J. Brach & Sons, Chicago, Ill., a Corporation of Illinois. Filed Aug. 3, 1923. Serial No. 655,401. 4 Claims. (Cl. 211—25.)



1. A combination display device and container constructed of sheet metal having a pair of side walls and a bottom member fastened thereto and being provided with upwardly extending retaining means, and partition means, extending substantially parallel with and adjacent to the top and front of the side walls and forming a display chamber therewith, the rear end of said partition means being bent up to form a retaining flange positioned a distance forward of the rear of said device and of said bottom retaining means, in order to give the appearance of withdrawing the goods from the display chamber and from a full container.

1,582,704. DIE FOR PHONOGRAPH RECORDS. LOUIS G. SYLVESTER and CYRUS B. WELLS, Scranton, Pa., assignors to The Scranton Button Company, Scranton, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1923, Serial No. 661,700. Renewed Mar. 10, 1926. 11 Claims. (Cl. 18—5.3.)



1. A die for molding disks of plastic material, having a plurality of parallel spiral channels and having passageways for admitting fluid simultaneously to the inner and outer ends of different channels and for permitting the fluid to exhaust from the opposite ends of said channels.

1,582,705. FLOOR PUTTY HAVING A NITROCELLULOSE OIL BASE. ARNOLD M. TAYLOR and FRANK A. BUOTE, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 11, 1925. Serial No. 14,834. 3 Claims. (Cl. 106—8.)

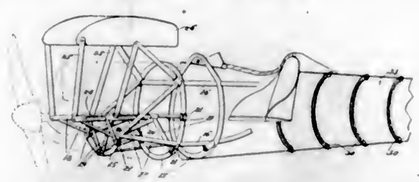
1. A putty of the character described comprising the following ingredients, combined in substantially the proportions stated:

	Parts.
A nitrocellulose solution	58
A vegetable oil	36
Clay	100

3. A putty of the character described comprising the following ingredients combined in substantially the proportions stated, viz:

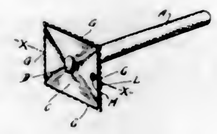
	Parts.
Butyl acetate	48
Vegetable oil	36
Nitrocellulose	10
Clay	100

1,582,706. AIRPLANE CONSTRUCTION. BENJAMIN DOUGLAS THOMAS, Ithaca, N. Y., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y., a Corporation of New York. Filed Mar. 8, 1923. Serial No. 623,612. 3 Claims. (Cl. 244—30.)



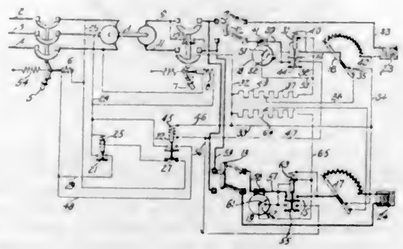
1. An airplane fuselage, the rear portion of which consists solely of a plurality of semi-circular tubular metallic ribs joined together at top and bottom and slotted on their inner sides, and a sheathing composed of corrugated metal sheets riveted together and to said ribs, said slots affording access to said rivets.

1,582,707. SAFETY RAZOR. DAVID H. TREVOR, Newark, N. J. Filed May 2, 1921, Serial No. 466,020. Renewed Sept. 28, 1925. 2 Claims. (Cl. 30—12.)



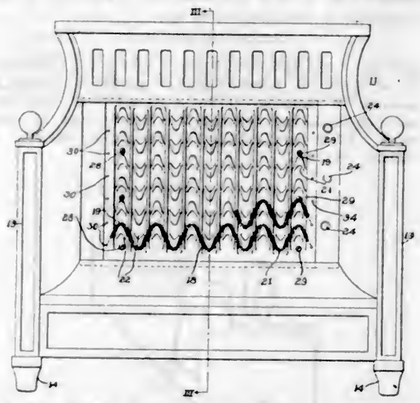
1. A safety razor comprising a handle, a blade member having a plurality of cutting edges, identifying numbers on the blade adjacent each edge thereof, a guard plate and a cap plate having an opening through which one of said numbers may be seen and means for clamping said blade member between said plates.

1,582,708. BATTERY-CHARGING SYSTEM. LEWIS C. VAUGHN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 456,878. 6 Claims. (Cl. 171—314.)



1. The combination with a source of energy and a plurality of similarly connected storage batteries, of circuit controlling means for each of said batteries, means for controlling said circuit controlling means and for limiting the initial current supply, automatic means for interrupting the source of energy when all of said batteries are charged, and means for automatically disconnecting said batteries if said source of energy fails and for preventing a discharge from one to another battery.

1,582,709. ELECTRIC RADIANT HEATER. VICTOR G. VAUGHAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 24, 1923, Serial No. 641,054. Renewed Aug. 11, 1925. 12 Claims. (Cl. 219—34.)

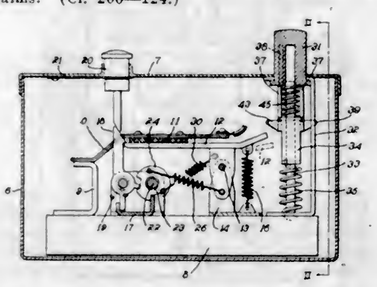


1. An electric heater comprising a refractory plate having a plurality of spaced, parallel and alternately oppositely extending, integral, projecting, overhung portions a resistor member extending in a zigzag path past said overhung portions and being supported thereby, and a spacing member adjacent to said overhung portions for maintaining said resistor member in spaced relation with said plate.

1,582,710. TRAWLING GEAR. JEAN-BAPTISTE-JOSEPH-ALPHONSE VIGNERON, Marseille, France. Filed Feb. 8, 1922. Serial No. 535,083. 5 Claims. (Cl. 43—9.)

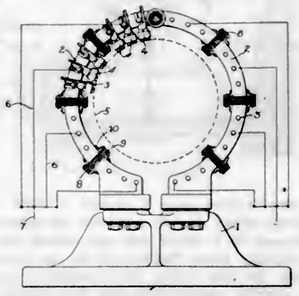
1. A trawling gear, comprising a net, tow-ropes secured respectively on either side of the net mouth, means unsymmetrically disposed on said tow-ropes for spreading the net mouth and oblige said net to travel outside the wake of the trawling boat.

1,582,711. ELECTRIC SWITCH. FRED G. VON HOORN, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 10, 1922. Serial No. 559,708. 12 Claims. (Cl. 200—124.)



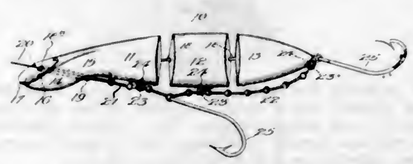
1. The combination with an electric switch normally biased to open position, of an actuating device therefor comprising a reciprocable actuating device, means for depressing the said device against a tension member, means for permitting the actuating device to pass the movable switch member while being compressed, and means for moving it into the path of the switch member after it has been placed under compression.

1,582,712. CURRENT-COLLECTING DEVICE. CHARLES F. WAGNER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1922. Serial No. 572,916. 9 Claims. (Cl. 171—323.)



3. A current-collecting device comprising a brush holder stand, a plurality of brush members carried thereby and electrically connected in groups for co-operation with a rotatable contact member, a conductor for each of the groups of brushes and means for equalizing the flow of current in said conductors.

1,582,713. FISH LURE. JACK T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed Dec. 8, 1924. Serial No. 754,497. 12 Claims. (Cl. 43—46.)

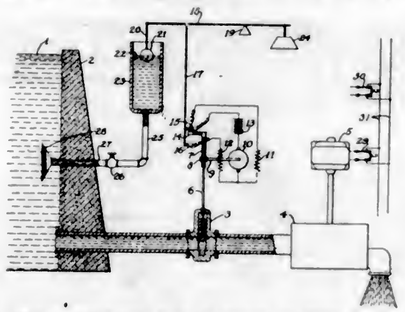


1. In a fish lure, the combination of a line terminating at its rear end in a chain section, a hook secured to the rear end of the chain section, a hook secured to an intermediate portion of the chain section, a bait body provided with an aperture through which the line in advance of the chain section is entered, and a frangible connection between the chain section and the body for temporarily holding the hooks in proximity to the body, substantially as described.

1,582,714. DIE FOR MOLDING PLASTIC MATERIAL. CYRUS B. WELLS, Scranton, Pa., assignor to The Scranton Button Company, Scranton, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1924, Serial No. 685,611. Renewed Mar. 10, 1926. 6 Claims. (Cl. 18—53.)

1. A die for molding plastic material comprising a die body, a channel-plate resting on said body and having channels and intermediate ribs on the side opposite said body, and a die-plate resting on said ribs and secured to the body.

1,582,715. AUTOMATIC HYDROELECTRIC STATION. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 20, 1923. Serial No. 681,741. 5 Claims. (Cl. 137—158.)

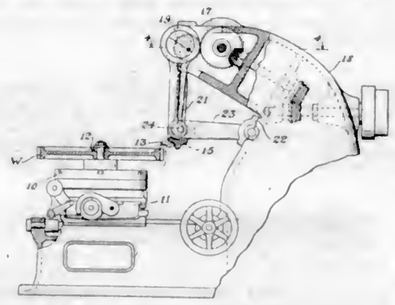


1. The combination with a source of fluid energy, a fluid-operated prime mover adapted to receive energy from said source, a valve for controlling the rate of supply of energy from the source to the prime mover, and a stem for the valve, of a plurality of movable electrical contact members, means for positioning said contact members in accordance with the amount of fluid energy available at the source, another movable electrical contact member actuated by the valve stem and adapted to engage the first-mentioned contact members selectively, and means governed by the selective engagement of the several contact members for controlling the degree of opening of the valve.

1,582,716. FISHING LURE. BENJAMIN F. WILDER, New York, N. Y. Filed Aug. 10, 1921. Serial No. 491,073. 3 Claims. (Cl. 43—48.)

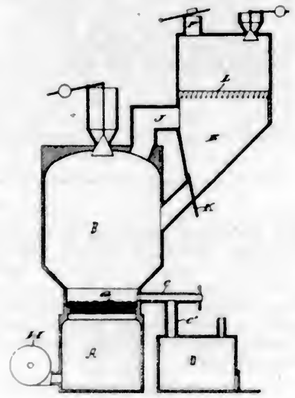
1. A fishing lure comprising a body portion, a buoyant head portion, and a hook, said hook having its shank bent to form offsets connected by a laterally flattened intermediate portion, said offsets and flattened portion being embedded in said buoyant head portion.

1,582,717. RAM-RECIPROCATING MECHANISM. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland, a Corporation of Switzerland. Filed Sept. 26, 1923. Serial No. 664,920. 3 Claims. (Cl. 74—14.)



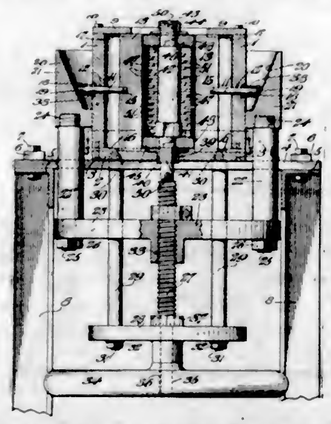
1. Actuating mechanism for a reciprocatory tool carrying ram comprising in combination, an oscillating arm, a connecting rod attached thereto, means to actuate said connecting rod to oscillate said arm, a tool carrying lever attached at an intermediate point to said oscillating arm and having a tool mounted at one end thereof, and crank means on the same axis with the actuating means attached to the upper end of said tool carrying lever to vary the oscillatory movement of the tool induced by said connecting rod.

1,582,718. MANUFACTURING ACTIVE CARBON. FRITZ WINKLER, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Sept. 29, 1923. Serial No. 665,627. 6 Claims. (Cl. 252—3.)



1. The process of manufacturing active carbon which consists in treating carbonaceous material in a shaft furnace with hot combustion gases which are blown through the said material with sufficient pressure to establish a strong agitation of the material.

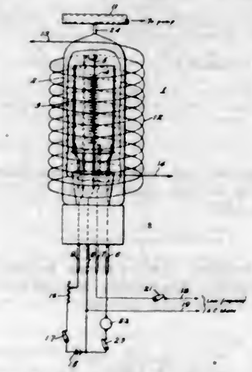
1,582,719. PISTON-RING-CONTRACTING APPARATUS. WILLIAM WUERFEL, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 25, 1925. Serial No. 52,367. 15 Claims. (Cl. 29—89.)



1. In a device of the character stated, a housing having a plurality of bearing openings, plungers slidably mounted in said bearing openings extending through

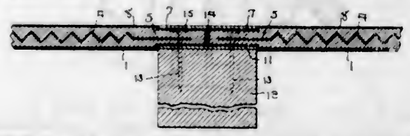
the wall of said housing, upright elongated jaw blades carried by said plungers within the housing and a cam ring surrounding said housing and adapted to engage the outer ends of said plungers thereby to force the same inwardly.

1,582,720. METHOD OF TREATING VACUUM TUBES. VLADIMIR K. ZWORYKIN, Kansas City, Mo., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 16, 1922. Serial No. 536,915. 5 Claims. (Cl. 250—27.)



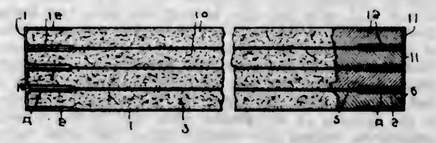
1. The method of evacuating a thermionic device having an electron-emitting element, a plate element and a controlling element which consists in substantially reducing the gaseous pressure in said device, subjecting said plate element to a high-frequency magnetic field of such intensity as to heat said plate to a red heat and subsequently energizing said electron-emitting element, causing an electron discharge between said electron-emitting element and said plate element and applying a periodically reversing potential to said controlling element.

1,582,721. PRECAST PLASTER-WALL SECTION. WILLIAM M. ADAMS, New York, N. Y. Filed June 4, 1925. Serial No. 34,995. 8 Claims. (Cl. 72—16.)



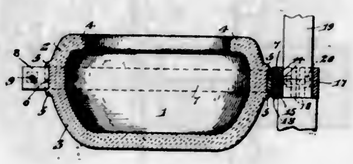
4. A precast plaster wall section comprising a plastic composition base having rabbets on both sides of each of its side edge portions.

1,582,722. PRECAST PLASTER-WALL SECTION AND MEANS FOR PACKING SAME. WILLIAM H. ADAMS, New York, N. Y. Original application filed July 4, 1925, Serial No. 34,995. Divided and this application filed Sept. 23, 1925. Serial No. 58,205. 1 Claim. (Cl. 206—61.)



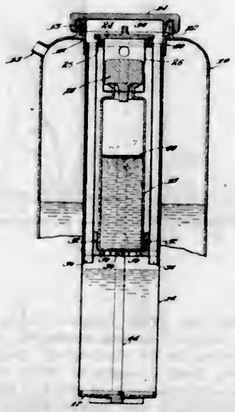
A package including a series of superposed pre-cast plaster wall sections, each provided with rabbets on each side of opposite edge portions of the same, of substantially U-shaped binding strips loosely arranged at the rabbeted edges of the sections and extending into the rabbets, the outer surface of the arms of each binding strip being in the same plane as the outer surfaces of the body of the wall section which it engages for preventing the rabbeted edge portions from vibrating and cracking during shipment.

1,582,723. CATTLE-SALT CONTAINER. FRANZ H. AHLMAN, Morristown, Minn. Filed Apr. 24, 1925. Serial No. 25,559. 4 Claims. (Cl. 119—61.)



1. A cattle salt container of the character set forth comprising, a bowl having a pair of spaced flanges formed about the waist thereof to set up a peripheral groove, a split supporting band secured about each bowl in said groove, said band being of greater thickness at the point diametrically opposite the split portion thereof and gradually decreasing in thickness to the ends thereof, means for drawing said ends together to tighten said band, and a securing clamp carried by the band at the point of greater thickness for attaching the band and bowl to a support.

1,582,724. FIRE EXTINGUISHER. RALPH W. AUSTIN, Quincy, Mass. Filed June 16, 1924. Serial No. 720,147. 5 Claims. (Cl. 23—244.)

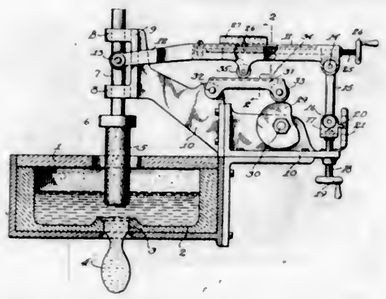


5. In a fire extinguisher, a container, said container having a body of acid and a layer of acetylene tetrachloride sealing the upper surface of the acid.

1,582,725. GLASS FEEDER. ALBERT R. BETHEL and JOSIAH H. WILLIAMS, Los Angeles, Calif. Filed Dec. 29, 1924. Serial No. 758,685. 17 Claims. (Cl. 49—55.)

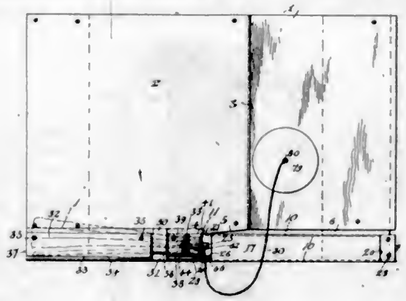
17. In a glass feeder, a glass discharge chamber having a discharge orifice, a reciprocatory plunger movable with relation to said orifice, a vibratory plunger actuating lever fulcrumed at one end and pivotally coupled to the

plunger at its opposite end, a cam, and motion transmitting mechanism between the cam and the lever acting on the latter between its ends, said mechanism comprising a member vibrated by the cam and a member for



transmitting vibratory motion from said vibratory member to the vibratory plunger actuating lever, said members being adjustable relatively to each other and to said lever for varying the vibratory motion of the latter and the stroke of the plunger.

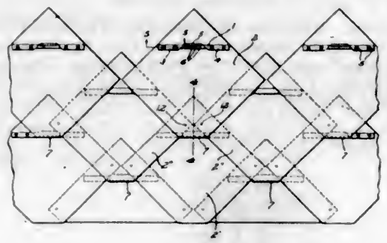
1,582,726. TYING MACHINE. JOHN W. BLEASDALE, Janesville, Wis. Filed Sept. 26, 1924. Serial No. 740,054. 18 Claims. (Cl. 289—1.)



17. A machine for tying tobacco hands with twine comprising a combined spring controlled twine tucker and cutting mechanism for successively tucking into one end of a tobacco hand a length of twine extended from a band of twine surrounding said end and for cutting the twine to free the band and tucked length of twine, a flanged holder for the hand of tobacco, and a clamping member coacting with the flange of the holder to clamp the hand during the tucking and cutting operation, a guide for the length of twine, guides for the tucking and cutting means of said mechanism, and said clamping members interposed between said guides and holder.

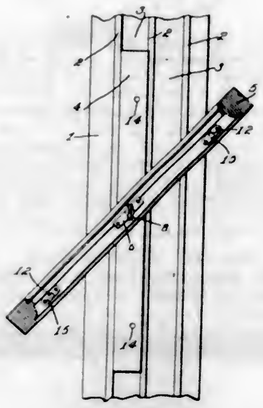
1,582,727. FASTENER AND GUIDE FOR ASPHALT SHINGLES. JOHN J. BRADFIELD, Jamaica, N. Y. Filed July 29, 1924. Serial No. 728,947. 3 Claims. (Cl. 108—8.)

1. An artificial shingle, comprising an asphalt shingle body and a fastener and guide positioned on said body near one corner thereof, said fastener and guide comprising a strip of metal having a central pressed out portion for receiving the end of a superimposed shingle



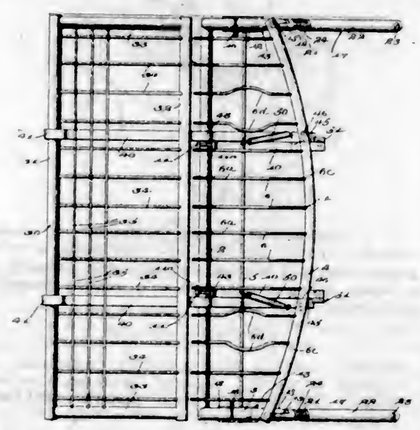
body, and spurs at each end adapted to extend through and be clinched on the opposite face of the first mentioned shingle body.

1,582,728. WINDOW. FOLKE ENGLE BRANDT, High Wycombe, England. Filed Sept. 28, 1921. Serial No. 503,965. 1 Claim. (Cl. 20—49.)



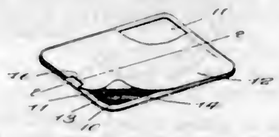
A device of the class described comprising a frame, slides mounted for reciprocation in the frame, a sash mounted pivotally intermediate its ends on the slides, the sash including a stile, one slide and the stile being provided with cooperating transverse bores, the bores being formed directly in said slide and said stile, each bore being of a common diameter from end to end, both bores being of the same diameter, and the bore of the stile extending entirely through the stile, a plate countersunk into the outer surface of said slide and interposed between said slide and the frame, the plate having an integral internally threaded cylindrical projection extended toward said stile into the bore of the slide and fitting closely therein, a washer plate secured to the outer edge of the stile and having an opening of less diameter than the bore of the stile, the washer plate constituting a closure for the bore of the stile, and a screw of less diameter than the bores, the screw being journaled in the opening of the washer plate and having a head adapted to engage the washer plate, the screw being threaded into the projection, and the washer plate serving to centralize the screw with respect to the bore of the stile.

1,582,729. CAR FENDER. JOHN CASPER BUCHENAU and EDWARD ROSENCRANS BISHOP, Syracuse, N. Y. Filed Mar. 18, 1925, Serial No. 15,460. Renewed Jan. 9, 1926. 9 Claims. (Cl. 293—45.)



2. In a fender, a main section including a frame made up of a horizontal lower bar, an upper bar rearwardly curved from its ends toward its center, side bars connecting the lower bar and upper bar, a plurality of rods between the upper and lower bars, and a scoop section associated with the main section and comprising a frame having front and rear bars and curved side bars and longitudinal rods having a curvature like the side bars and connected to the front and rear bars.

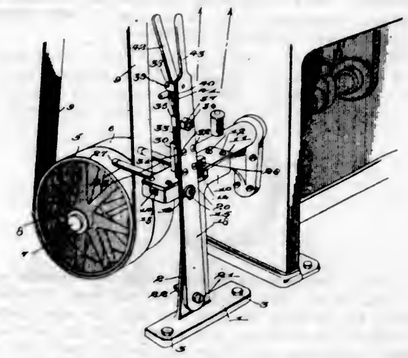
1,582,730. X-RAY-FILM PACKET. ARTHUR W. BUCK, St. Louis, Mo. Filed Mar. 19, 1923. Serial No. 626,090. 7 Claims. (Cl. 250—34.)



1. An X-ray film packet comprising a back of soft impressionable metal, a sheet of substance opaque to visible rays, a photographic film interposed between the back and sheet, the back being turned over around its margins onto the front sheet to hold the front sheet and back engaged, one portion of the turned-over margin being double in thickness whereby to form a portion which is more readily opened than any other portion of the turned over margin, a sheet of material opaque to visible rays attached to the face of the front sheet and extending over the turned-over margin of the back so as to thereby prevent the entrance of light to the photographic film when the packet is fixed, and means on the last named sheet for indicating that portion of the turned-over margin which is most easily opened.

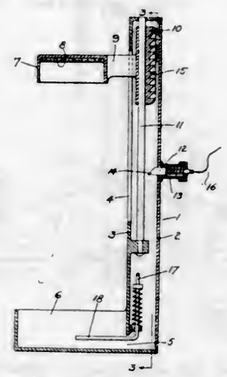
1,582,731. BELT SHIFTER. JAMES BROWNELL CHACE, Tiverton, R. I. Filed June 30, 1925. Serial No. 40,592. 5 Claims. (Cl. 64—4.)

1. A belt shifter comprising a supporting structure, a lever fulcrumed on said supporting structure, belt shifting means movable with said lever for engaging a belt to shift said belt from one pulley to an adjacent pulley, an abutment on said supporting structure, a spring pressed latch bolt carried by said lever for cooperating with said abutment to lock said lever to said supporting structure at opposite ends of the throw of said lever, and a latch bolt operating lever carried by



said first named lever in position to be gripped by the same hand that holds said first named lever and then actuated to shift said latch bolt to position to disengage said abutment to permit the throw of said first named lever.

1,582,732. HOLDER FOR MILK BOTTLES. GUIDO CHIARCOSSI, Powell River, British Columbia, Canada. Filed Sept. 10, 1924. Serial No. 736,884. 2 Claims. (Cl. 232—41.)



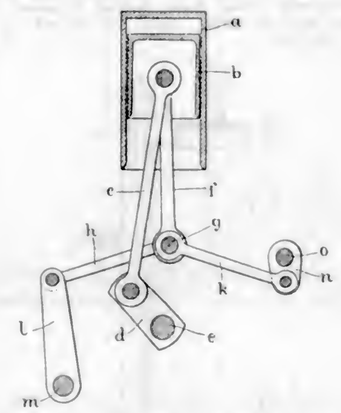
1. A bottle holder comprising a base member shaped to provide a pocket for receiving the bottom of a bottle, a hollow casing carried by the base member and extending perpendicular thereto, a vertical guide rod mounted within and extending longitudinally of said casing, a carriage slidable vertically on said rod and carrying a cap member adapted to fit over the upper end of the bottle, a spring pressed latch operating in an opening formed in a wall of the casing and adapted to engage teeth formed on the carriage when the latter is in a position opposite said latch member, a trigger engageable with the carriage to support the same in elevated position with respect to said latch member, a depressible element positioned in the base member and adapted to be depressed by the weight of a bottle placed thereon and a connection between the depressible member and the trigger operating to release the carriage for gravitational

movement when a bottle is placed in the base member, said latch serving to automatically engage the teeth of the carriage to secure the cap member upon the top of the bottle.

1,582,733. WATCH SHOCK ABSORBER. DANIEL M. CLARK, Jamesburg, N. J. Filed Apr. 4, 1924. Serial No. 704,245. 2 Claims. (Cl. 58—88.)

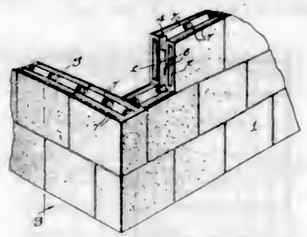
1. In a watch shock absorber, the combination with a case, of an outer ring within the case, detachable means for securing the said ring and the case together, a support for the works of a watch inside the said outer ring, a plurality of coil springs spaced apart, one end of each spring being connected with the said ring, and means for connecting the other ends of the said springs with the said works support.

1,582,734. POWER TRANSMISSION. GEORGE CONSTANTINESCO, Weybridge, England. Filed Jan. 26, 1924. Serial No. 688,788. 2 Claims. (Cl. 74—53.)



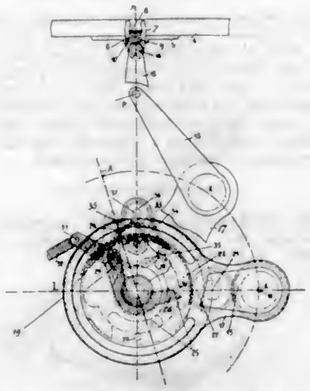
1. A power unit comprising in combination a reciprocating part, a steadily rotating flywheel shaft and a connecting rod operatively connecting the said reciprocating part and the said flywheel shaft, a toggle, a link independent of the said connecting rod and operatively connecting the said reciprocating part with the knuckle of the said toggle so as to cause the knuckle to oscillate about the position in which both links of the toggle are collinear, a countershaft oscillated by one link of the toggle and carrying a crank, a pivoted oscillating mass operatively connected to said crank, a second countershaft oscillated by the other link of the toggle and carrying a crank, a pair of oscillators operated in opposite phase by the said last mentioned crank through linkage, and a rotor shaft unidirectionally driven by the said oscillators, the motion of the prime mover being thus distributed between the oscillating mass and the rotor in proportions depending upon the torque on the rotor.

1,582,735. BUILDING BLOCK. CLARK W. COOPER, Orlando, Fla. Filed Feb. 16, 1925. Serial No. 9,571. 4 Claims. (Cl. 72—41.)



1. A building block having horizontal air passages arranged adjacent its front and rear walls, a vertical passage arranged between said horizontal passages, and a lateral passage connecting said vertical passage to said horizontal passages.

1,582,736. DEVICE FOR RAISING CARRIAGE AND OTHER WINDOWS. ALBERT COUSINARD, Courbevoie, France. Filed Sept. 25, 1923. Serial No. 664,760. 1 Claim. (Cl. 268—4.)

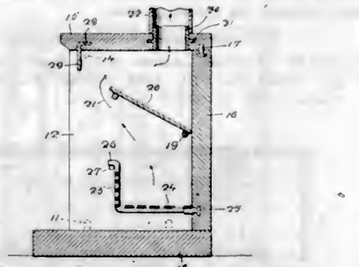


A device for raising carriage and other windows and allowing them to be held up at any given height, comprising a connecting rod or secondary arm jointed to the window pane arm and to the main arm; a main arm turning about the centre of the device carrying a star pinion mounted upon the connecting rod axis and gearing with a sprocket pinion which rolls over a central fixed wheel; a crown piece having inner teeth actuated by a controlling mechanism provided with a handle and a roller bearing upon a compensating lever; a central toothed wheel over which rolls the sprocket pinion aforesaid and which is furnished with a groove for the passage of the main arm roller; a spring compensating lever to contact wtih the main arm roller and prevent the sudden dropping of the window; and means for operating the main arm toothed wheel.

1,582,737. PORTABLE FIREPLACE. GUY E. CRAWFORD, Mount Carmel, Ill. Filed July 25, 1924. Serial No. 728,253. 1 Claim. (Cl. 126—120.)

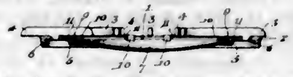
A portable fire place comprising a bottom, a top, side walls and a back wall, pins projecting from each of said walls, and adapted to be received by openings formed in the adjacent walls, whereby the structure can be entirely assembled or disassembled, a grate arranged within the fire place and including vertically disposed bar having

off-set extremities, pins projecting inwardly from the opposed side walls, at points immediately adjacent the back wall, and centrally of the side wall, spaced upper and lower pins projecting inwardly from the said side



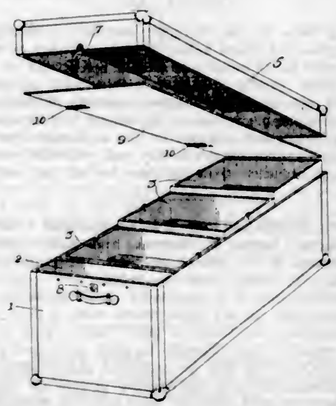
walls in advance of the last mentioned pins and arranged in triangular relation with the latter, said lower pins constituting a support for the offset extremities of the grate bars and an inclined bevelled plate arranged above the grate and supported by the other of said pins.

1,582,738. HEAT-DISTRIBUTING DEVICE. CORLIS W. DUGGER, Vidalia, Ga. Filed June 20, 1925. Serial No. 38,532. 2 Claims. (Cl. 126—214.)



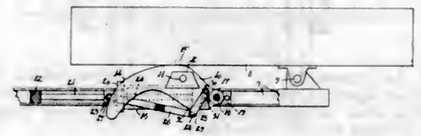
1. A heat distributing device comprising a concave heat distributing element of circular contour positioned, when active, to depend below a support therefor, and a series of spaced suspension members integral with and extending radially from said element, each of said suspension members including a vertically and a horizontally disposed arm, the vertical arm at its lower end merging into the edge of said element and extending slightly thereabove, the horizontal arm extending outwardly from the upper end of the vertical arm for mounting on a support for said element and of materially greater length than the height of the vertical arm, said element imperforate throughout.

1,582,739. TRUNK. JOHN B. DYE, Hardesty, Okla. Filed Jan. 17, 1923. Serial No. 613,225. 2 Claims. (Cl. 217—42.)



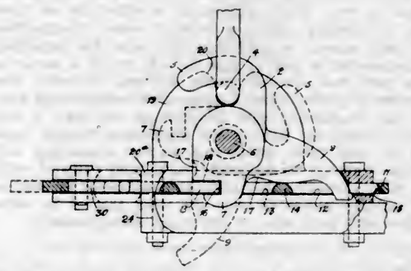
1. A trunk including a body portion having a storage space in the lower portion thereof and extending throughout a portion of the length of the body portion, a tray arranged within the upper part of the body portion above and forming a cover for the storage space, said body portion having an air space at an end thereof extending throughout the width and height of said body portion and having a plurality of air inlets thereinto, a display cover connected with the body portion and having a compartment therein, and a lid for closing said compartment.

1,582,740. DUMP-BODY LIFTER. ALBERT H. FAGER, Los Angeles, Calif., assignor of one-half to H. A. Fager, Los Angeles, Calif. Filed Dec. 8, 1925. Serial No. 74,019. 4 Claims. (Cl. 298—19.)



1. The combination with a frame and a dump body hingedly mounted thereon, a lever mounted on the frame and arranged to raise said body, a slidably mounted actuating member carried by the frame, and pivotally connected links pivoted to said member and lever, the lever having an abutment to contact with the corresponding link, when the lever is in normal position with the body lowered, to swing said link downwardly.

1,582,741. BOAT-RELEASING GEAR. HERBERT JAMES FERGUSON, Garelochhead, Scotland. Filed Mar. 20, 1924. Serial No. 700,692. 4 Claims. (Cl. 9—23.)

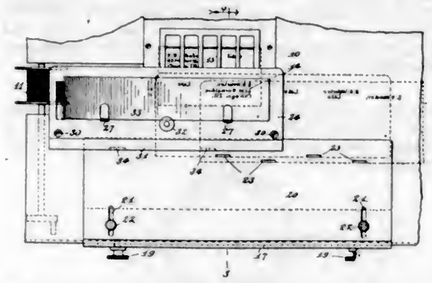


1. A pivoted releasing hook mechanism including a pivoted hook having a tail part and a latch, and an operating member cooperating with the latch and provided with independent operative portions to act upon two separate points of the tail part when the hook is closed.

1,582,742. READILY-SOLUBLE SILVER-PROTEIN TABLET AND THE LIKE. JOHN W. FORBING, Albany, N. Y., assignor to The Bayer Co. Inc., Rensselaer, N. Y., a Corporation of New York. Filed Nov. 9, 1925. Serial No. 68,005. 2 Claims. (Cl. 167—7.)

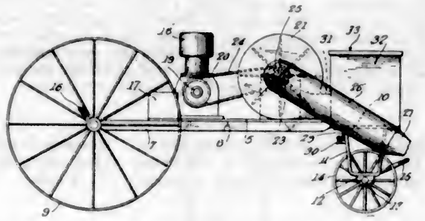
2. As a new article of manufacture, readily soluble compressed solid bodies comprising a mixture of a silver protein compound, an effervescent material and anhydrous sodium sulphate.

1,582,743. ATTACHMENT FOR ADDRESSING MACHINES. HARRY ALEXANDER FORSMAN, Tenafly, N. J. Filed Jan. 29, 1925. Serial No. 5,533. 6 Claims. (Cl. 101—57.)



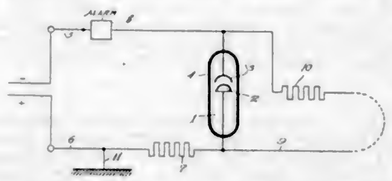
1. An attachment for addressing machines having a printing aperture, which comprises a slotted gauge plate having slots at successively increasing distances from the printing and the lateral edge.

1,582,744. POTATO-BEETLE EXTERMINATOR. GUSTAV FRATZKE, Merrill, Wis. Filed Apr. 24, 1923. Serial No. 634,212. 1 Claim. (Cl. 43—140.)



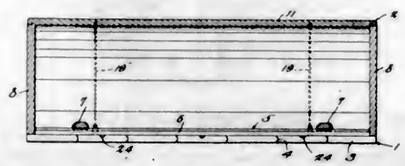
An insect catching apparatus comprising an axle having a pair of rear wheels spaced to straddle one or more rows of growing plants, a forward wheel intermediate said rear wheels, a handle on said axle for propelling the apparatus, a pair of fans on said truck, a motor to drive said fans, suction heads disposed to move over the rows of plants, tubular connections between said head and fans registering with the axis of the fans, a ventilated container for insects discharged therein from each of said fans, means for rigidly supporting said suction heads at an adjusted height, and pairs of whip like rods, vertically adjustable and connected to each of said suction heads on opposite sides thereof to make contact with both sides of the plants simultaneously.

1,582,745. ALARM DEVICE. RUDOLF HERMANN HEINRICH GEEFCKEN and RUDOLF HANS RICHTER, Leipzig-Gohlis, Germany. Filed Oct. 22, 1924. Serial No. 745,118. 3 Claims. (Cl. 177—311.)



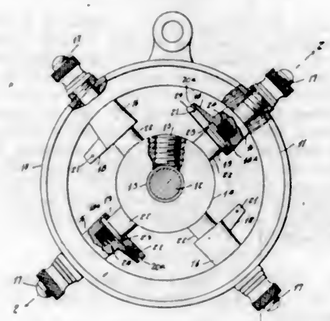
1. In a protective alarm system, a circuit extending through an area to be protected, means for supplying current at a substantially constant potential to said circuit, a discharge tube shunting said circuit, the potential of the source being above the tube discharge potential and the resistance of the circuit being such that the potential across the tube is normally maintained below such discharge potential, said system also including an alarm means set into operation on the passage of current through the discharge tube.

1,582,746. VAULT. JAMES SCOTT HAINLINE, Macomb, Ill. Filed Mar. 21, 1924. Serial No. 700,869. 1 Claim. (Cl. 27—35.)



A vault of the class described, comprising a base, an inverted box-like body resting on the base, and a coffin-rack supported on the base within the body, the base being provided in its upper surface with a drainage groove extended outwardly beneath the lower edge of the body.

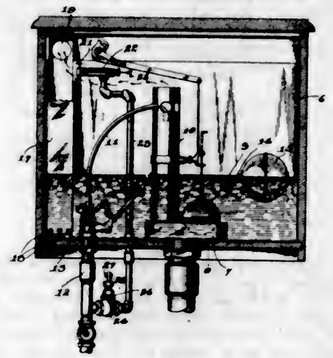
1,582,747. TIMER. HARRY F. HANKS, Mystic, Conn. Filed June 12, 1924. Serial No. 719,576. 3 Claims. (Cl. 200—26.)



1. In a timer of the character specified, a casing contact comprising a brush holder having a lateral extension and provided in its outer side with a recess and an opening, a brush carrier disposed within said recess and pivoted at one end to the lateral extension of the holder, a brush at the opposite end of the carrier having a lateral retaining flange, and a spring in line with said brush and within the opening of the holder and normally exerting an outward pressure upon the free end of the carrier.

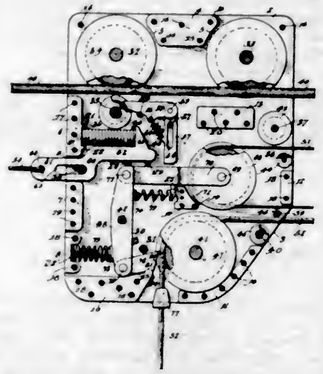
1,582,748. VENTILATING WATER-CLOSET. ULYSSES G. HARING, EDGAR E. SUTTER, and RALPH HARING, Washington, D. C. Filed May 20, 1924. Serial No. 714,606. 1 Claim. (Cl. 4—215.)

The combination of a ventilated water closet comprising substantially an air tight water tank, a bowl and a pipe connecting the same, a main supply pipe for the tank, a separate air chamber in said tank and having an opening near its top, an auxiliary pipe leading from the main supply pipe to the opening in said air chamber, a valve between said auxiliary pipe and said main pipe, a depressible seat connected with said valve, a cylinder in said tank having an extension registering with the pipe from said bowl, a valve seat in the upper part of the extension, a valve for closing the same so that normally the air may pass from said bowl into said extension through said cylinder up into said water tank, and said seat when depressed allowing the water to spray from said



auxiliary pipe into said air chamber to thereby create a vacuum in said water tank to continually exhaust the air from the bowl and said tank, while said seat is depressed.

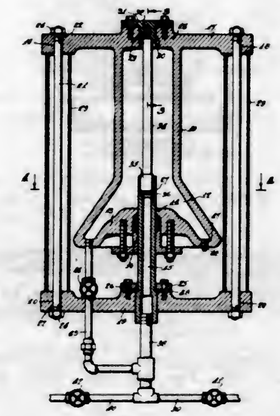
1,582,749. SKIDDER CARRIAGE. CHESTER LEE HAWKINS, Sunburst, N. C. Filed June 19, 1925. Serial No. 38,379. 11 Claims. (Cl. 212—108.)



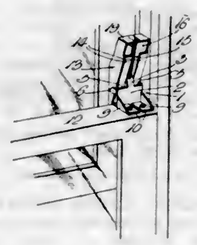
1. A skidder carriage comprising a housing provided with sheaves for travelling upon a suspension cable, a load stop adapted to be carried by a skidder cable, a spring controlled holding element within the housing and having one end thereof normally positioned in the path of and adapted to support said stop to remove the weight of the load from off the skidder cable, and a spring controlled slack line connecting mechanism arranged within the housing, above said element and having its lower end pivotally connected to the other end of said element and constituting a carrying, a releasing and a retaining device for said element.

1,582,750. STEAM TRAP. WILLIAM HENRY HODGKISS, New York, N. Y. Filed Apr. 30, 1924. Serial No. 710,016. 6 Claims. (Cl. 236—59.)

1. A steam trap comprising a closed cylindrical receptacle having a bell-shaped bottom end and provided with an inlet for receiving the condensate, a discharge pipe extending axially through said bottom end and having radial discharge ports at its upper end, an expansible and contractible rod depending from the upper end of said receptacle and having its lower end telescopically fitting within the upper ported end of the outlet pipe and operable by the temperature of the condensate to open or close the discharge ports said bell-shaped bottom end spreading the condensate in a thin layer to permit the condensate to be quickly cooled.



1,582,751. WINDOW LOCK. GRANT L. HOUSTEAU, Youngstown, Ohio. Filed June 18, 1925. Serial No. 38,043. 3 Claims. (Cl. 292—342.)

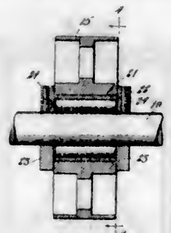


1. A sash fastener comprising a guide member adapted to be secured to the upper rail of a lower sash, said guide member having a ledge, and a spring-lowered wedge slidably engaged with said guide member, said wedge being adapted to be tilted and disposed on said ledge when not in use, whereby it is held against downward movement.

1,582,752. ROLLER-BEARING PRESSING ROLLER FOR DRAWING AND SPINNING FRAMES. JOHN SAWYER HOYLE, Ware, Mass. Filed Jan. 17, 1925. Serial No. 3,123. 1 Claim. (Cl. 19—141.)

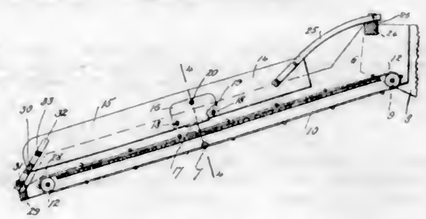
In a pressure roller assemblage for drawing and spinning frames, a pressure roller shaft, a plurality of separate pressure rollers mounted thereon, a drive shaft common to said pressure rollers, hardened bushings in each pressure roller, roller bearings in each pressure roller having direct rolling contact with the pressure roller shaft, said pressure rollers being adapted to turn independently of each other, and drive rollers on the drive shaft in frictional driving engagement with said pressure

rollers; together with flat collars on the pressure roller shaft at each side of the latter, and of larger diameter than the bushings, set screws in said collars to bind the same on said shaft, said collars preventing axial dis-



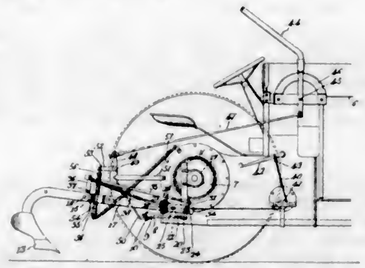
placement of said pressure rollers and serving to retain the bearing rollers against endwise movement, and a common tensioning means acting on the pressure roller shaft to apply pressure to all of said rollers.

1,582,753. DIVIDER BOARD. JOHN HUGHES, Clear Lake, Iowa. Filed Sept. 26, 1925. Serial No. 58,803. 3 Claims. (Cl. 130—1.)



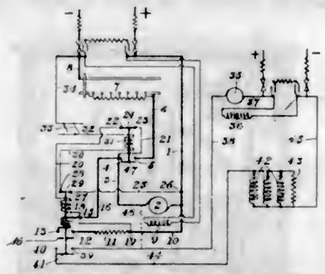
1. The combination, with a foldable feeder provided with a frame having a joint between its ends, of a divider board comprising two sections arranged end to end and connected by a hinge arranged over the said joint, means for securing the rear board section rigidly to the rear part of the feeder frame, thereby holding said section at a constant distance from the feeder, and means for supporting the front board section slidably from the front part of the feeder frame.

1,582,754. TRACTOR CLUTCH RELEASE. JOHN ING, El Paso, Tex. Filed June 19, 1925. Serial No. 38,269. 5 Claims. (Cl. 180—14.)



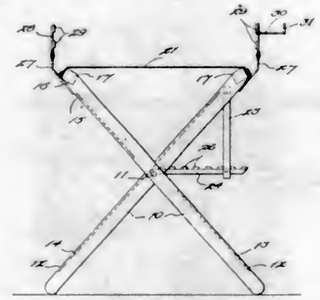
1. In combination with a tractor having a clutch and a fulcrum, a slotted plow assembly shiftable pivotally and longitudinally on said tractor fulcrum, means acting directly on said fulcrum for yieldably holding the plow assembly in a forward position against longitudinal motion, and a taut connection between said plow assembly and tractor clutch.

1,582,755. ELECTRIC BRAKING MECHANISM. HENRY VINCENT JAMES, Radlett, England. Filed Dec. 17, 1924. Serial No. 756,603. 8 Claims. (Cl. 188—160.)



1. A method for braking driven machines, consisting in providing brake energizing coils for controlling the brakes and fed from a line service, providing an electrodynamic machine mechanically coupled to the driven machine and utilizing the output of the electrodynamic machine to set up a counter E. M. F. to the current of the braking energizing coils, whereby in a reduction of speed in a driven machine the counter E. M. F. of the electrodynamic machine is gradually reduced to permit a braking effective E. M. F. across the brake energizing coils.

1,582,756. FOLDING TABLE. CYRUS F. JENNINGS, Winona, Minn. Filed May 29, 1925. Serial No. 33,759. 2 Claims. (Cl. 45—11.)

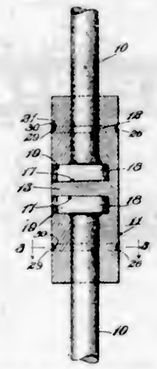


1. A folding table of the character described comprising pairs of cross supporting legs having a pivot bar extending through their intersections, the upper ends of the cross supporting legs including angular notches therein, a pair of rectangular top rails received within the angular slots and secured to the supporting legs, a plurality of substantially L-shaped hooks arranged at spaced intervals upon the upper sides of the top rails, a cross top having a plurality of eyelets arranged at corresponding distances along its outer edges and received upon their companion hooks, a pair of rods stitched within the outer edges of the cloth top, pairs of offset bars having their angular portions secured to the outer sides and adjacent the upper ends of the supporting legs, companion bars having their lower ends pivoted to the upper ends of the offset bars and including cross bars upon their inner sides, and a platform arranged between the inner sides of the supporting legs and beneath the cloth top.

1,582,757. SUCKER ROD. TILLMAN JINES, Artesia, Calif. Filed Nov. 15, 1924. Serial No. 750,125. 1 Claim. (Cl. 287—113.)

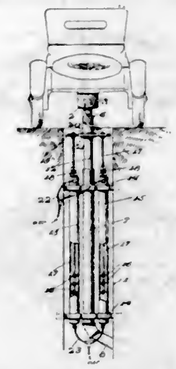
In a sucker rod and in combination, a coupling having a bore opening through one end thereof only and enlarged at its inner end, the wall of the coupling having

a slot formed therethrough co-extensive and communicating with the bore said slot being of the same width as the diameter of the bore throughout its length, a rod of the same diameter as the bore and having a head of the same diameter as the enlargement of the bore, said head being provided at one side thereof with an outstanding lug of the same width as the diameter of the head which, in the assembled relation of the cou-



pling and rod, has its outer face flush with the outer face of the coupling, and means insertible in that portion of the slot corresponding to the smaller portion of the bore for preventing transverse movement of the rod within the bore, comprising a block insertible in and fitting the smaller portion of the slot only and provided upon its side faces with ribs coacting with vertically extending grooves formed in the side walls of the slot.

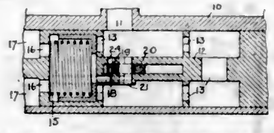
1,582,758. CRANK-CASE-DRAINING DEVICE. HENRY AUSTIN JONES, Phoenix, Ariz. Filed June 4, 1925. Serial No. 35,026. 6 Claims. (Cl. 221—69.)



1. In a device for draining crank cases or the like, a receiver, means for raising and lowering the receiver into engagement with the crank case, means for carrying off the oil from the receiver, and means mounted on the receiver and operable to remove and replace the drain plug.

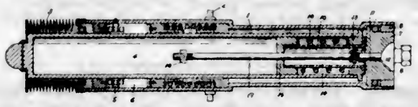
1,582,759. COUNTER-RECOIL-REGULATING MECHANISM. BRYAN P. JOYCE, Davenport, Iowa. Filed May 7, 1923. Serial No. 637,243. 5 Claims. (Cl. 89—43.)

3. The combination with a recuperator cylinder provided with a port, of a housing within the cylinder provided with ports for the entrance of fluid and with a duct and ports for the exit of fluid, a valve for closing the entrance ports against return flow and means



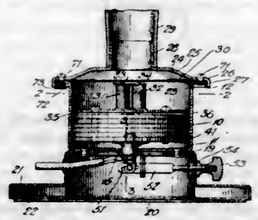
mounted in the housing for varying the amount of opening of the exit ports in proportion to the elevation of the gun.

1,582,760. COUNTERPOISE. BRYAN P. JOYCE, Davenport, Iowa. Filed Dec. 3, 1924. Serial No. 753,603. 6 Claims. (Cl. 89—37.)



3. A counterpoise for pivotally mounted bodies embodying a casing, a fluid pressure actuated plunger reciprocable within the casing, a resilient element associated with the plunger, and means carried by the casing and adjustable to compress said resilient element on the outward stroke of the plunger.

1,582,761. LOUD SPEAKER. THOMAS W. KIRKMAN, New York, N. Y. Filed Mar. 31, 1924. Serial No. 703,012. 13 Claims. (Cl. 179—114.)

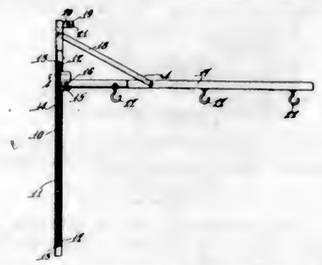


1. An instrument of the class described comprising a casing, a diaphragm, mechanism in said casing for effecting a magnetic pull on said diaphragm, in combination with means for effecting an adjustment of said mechanism towards and from said diaphragm comprising an adjusting member swiveled to said mechanism and provided with means to take up the play between said member and said mechanism, and resilient means on said mechanism cooperating with the walls of the casing to take up the play therebetween.

1,582,762. CLOTHES HANGER. JOHN A. KLOCK, Philadelphia, Pa. Filed Nov. 6, 1925. Serial No. 67,347. 1 Claim. (Cl. 45—13.)

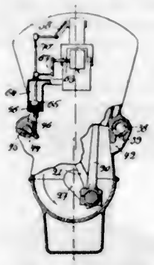
In a device of the class described, comprising a vertical channel member, a retaining bar secured on the inner face of said channel member, a normally arranged horizontal channel member, a hinged bracket pivotally connected to the inner end of said horizonal channel member, said hinged bracket adapted for limited slidable movement in the verical channel member and retained therein by said retaining bar, a pair of link members hingedly connected adjacent the upper end of said vertical channel member and mid-way the ends of the normally arranged horizontal channel member, a plurality of hooks depending from said horizontal channel member in parallelism, said link members and sliding hinged bracket adapted for effecting the folding of said horizontal member centrally against the nor-

mally vertical member, a spring clip for locking said horizontal member in a folded vertical position against the said vertical member, and said hooks disposed on



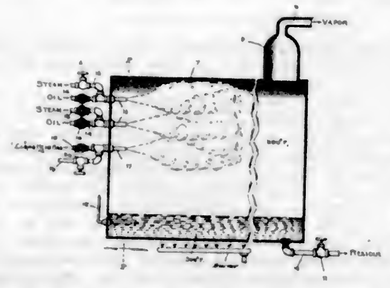
said horizontal member spaced to provide clearance for the garment hangers supported thereby when the device is in a folded position.

1,582,763. INTERNAL-COMBUSTION ENGINE. THÉODORE LAFITTE, Paris, France. Filed July 27, 1922. Serial No. 577,921. 4 Claims. (Cl. 123—55.)



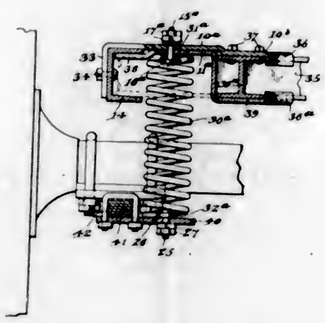
1. In an internal combustion engine with multiple cylinders wherein the crankcase is divided into various chambers, each chamber communicating with two cylinders whose respective pistons move in concordance but whose inlets are opened in an alternate manner, communicating means for connecting each chamber of the crankcase with the atmosphere and with another chamber of the crankcase, cocks regulating the fuel feed to the engine, and means for common control of said communicating means and said regulating cocks.

1,582,764. PROCESS FOR OBTAINING A LIGHT HYDROCARBON. WILLIAM LANDES, Long Beach, Calif. Filed May 19, 1924. Serial No. 714,345. 3 Claims. (Cl. 196—9.)



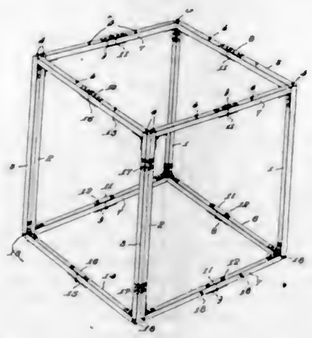
1. The process of obtaining a light hydrocarbon consisting in atomizing oil with steam into a chamber, and simultaneously atomizing hydrocarbon gas with steam into the chamber independently of and below the oil so that the gas intercepts particles of oil that drop from above.

1,582,765. SHOCK ABSORBER. JAMES OWEN LINDSEY, Comanche, Tex. Filed Mar. 21, 1925. Serial No. 17,353. 2 Claims. (Cl. 267—28.)



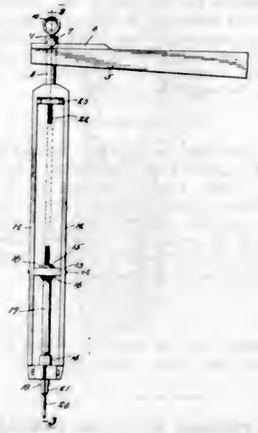
1. A shock absorber for vehicles including a chassis having side and connecting end cross beams and a supporting spring, comprising a clamp element arranged across the corner formed between the connected side and end beams, a spring connected to said element intermediate the ends and depending from the underside thereof, and a plate member secured to and extending inwardly from said supporting spring and having the lower end of said depending spring secured thereto.

1,582,766. BATH CABINET. THEODORE A. LONG, Mill Hall, Pa. Filed July 6, 1925. Serial No. 41,807. 1 Claim. (Cl. 4—164.)



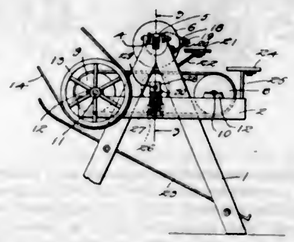
A frame for a vapor bath construction comprising corner posts, outer posts arranged adjacent two of the corner posts, one of which being hingedly secured to one of said corner posts, sectional rails connecting the outer posts, said rails being hingedly connected together, latching means for holding the rails in parallelism, hingedly connected sectional rails secured to the remaining posts at the top and bottom portions thereof, means for holding the last mentioned rails in longitudinal alignment, the first mentioned rails together with the posts therefor providing a door for the frame thereof, said rails adapted to be swung inwardly toward and against each other when the frame is collapsed.

1,582,767. POLISH-ROD SUPPORT. LEONARD LOOP, Tulsa, Okla. Filed Oct. 6, 1925. Serial No. 60,926. 2 Claims. (Cl. 287—60.)



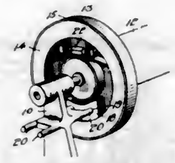
2. In a device of the character described, a body portion comprising spaced guided members, bearing blocks supported between the guide members and held against movement, a separable base on the guide members, said separable base embodying a support, a sleeve extending through the base and having a head adapted to rest on the base to support the sleeve, a tubular member threaded in the head, a feed sleeve at the upper end of the tubular member and engaging the bearing blocks, said feed sleeve having internal threads, a polish rod operating through the tubular member and having a threaded portion adapted to be adjusted through the bearing blocks, and means for raising and lowering the body portion.

1,582,768. PIN CUTTING AND SEPARATING MACHINE. WILLIAM B. LOUTHAN, East Liverpool, Ohio. Filed Jan. 7, 1926. Serial No. 79,889. 3 Claims. (Cl. 25—105.)



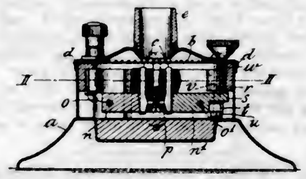
1. A machine of the character described comprising a frame, a knife shaft, a plurality of rotary disk knives upon the latter, front and rear rollers journaled in the frame, endless belts between said rollers and disposed beneath the knives to provide an endless carrier, deflectors or scrapers projecting between the knives, a support beneath and in front of said deflectors or scrapers, means for rotating the knife shaft and said rollers and means yieldably resisting separation of the endless belts from the knives.

1,582,769. TENSIONING DEVICE FOR SPOOLS AND THE LIKE. GUSTAVE H. LUNEBURG, Amsterdam, N. Y. Filed Apr. 3, 1925. Serial No. 20,560. 8 Claims. (Cl. 188—83.)



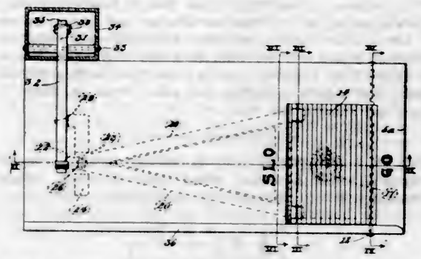
1. In a tension device for spools, the combination of a spool head, a brake member, a spring for maintaining said brake member in frictional engagement with the head, said brake member and spring being enclosed within the head, and means for holding said brake member stationary while the spool and head are rotated.

1,582,770. ADJUSTMENT FOR THE MAGNETS IN TELEPHONE RECEIVERS AND THE LIKE. ALBERT HENRY MIDGLEY, Uxbridge, England. Filed Aug. 25, 1925. Serial No. 52,432. 8 Claims. (Cl. 179—119.)



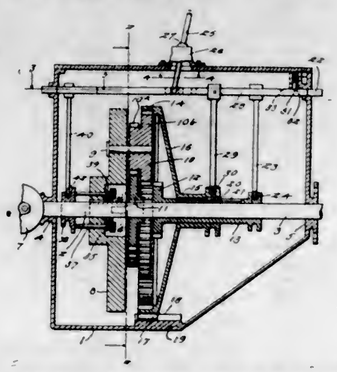
1. Telephonic receiver comprising an elongated magnet structure, a pivot axis for said structure at one end thereof; pole pieces secured in said structure at about the middle of its length and arranged one behind the other along a line perpendicular to the pivot axis, and adjusting means operative directly upon the free end of the structure to adjust the latter about said axis.

1,582,771. SAFETY DEVICE FOR RAILROAD CROSSINGS AND THE LIKE. HENRY MONOSKI, Baltimore, Md. Filed Aug. 13, 1925. Serial No. 50,046. 2 Claims. (Cl. 116—63.)



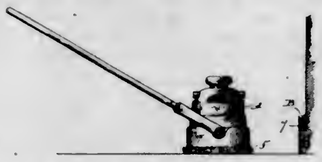
2. In a safety device of the type described, a platform embedded in a roadway, said platform having a pocket formed therein, a treadle pivoted in the pocket, means for normally holding the treadle elevated above the top plane of the platform, said treadle having its top surface corrugated to cause a vehicle traveling thereover to be jolted for indicating the presence of the treadle to the driver of the vehicle, a post positioned forwardly of the treadle, a gate arm pivoted to the post, and means connecting the treadle and the gate arm for causing the latter to be moved into a position to obstruct the forward end of the platform when a vehicle is traveling over the treadle.

1,582,772. PLANETARY TRANSMISSION. FRANCIS J. MOORE, Nicholls, Ga. Filed Nov. 12, 1925. Serial No. 68,615. 2 Claims. (Cl. 74—34.)



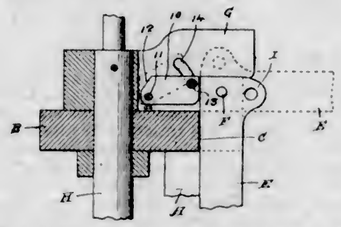
1. A planetary transmission comprising driving and driven shafts, a member keyed to the driving shaft, a plurality of duplex gear units rotatably carried by said member, a gear fixed to the driven shaft and meshing with certain of the gears of said units, a clutch connecting the shafts, non-rotatable gears of different size slidably mounted with respect to each other and said units, and means by which the clutch may be operated to release the shafts and one of said non-rotatable gears moved into engagement with the other gears of said units.

1,582,773. PROCESS OF REMOVING FINISH COATINGS FROM FLOORS. RAYMOND E. NASH, Washington, D. C. Filed Nov. 8, 1924. Serial No. 748,696. 1 Claim. (Cl. 87—5.)



The process of removing finish from a floor which comprises applying to the finish a varnish and paint remover to soften the finish, removing said softened finish by means of a pad of steel wool to which a rotating motion is imparted by a motor, treating the floor with a volatile agent, and again applying the steel wool as above to clean and smooth the floor.

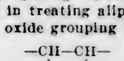
1,582,774. SWITCH-STAND-HANDLE LOCK. CLAUDE NELSON, Pueblo, Colo. Filed Aug. 7, 1925. Serial No. 48,851. 2 Claims. (Cl. 246—413.)



1. In a switchstand including a support and an operating shaft journaled therethrough and further including a bracket member secured to the shaft and carrying a pivotally mounted operating handle, the combination with the bracket and handle of locking means pivotally mounted upon the bracket and normally engaging against the handle for holding the latter against movement, said holding means comprising a block pivoted at one corner within the confines of the bracket and having its free end normally in the path of travel of the handle, means carried by the block for effecting movement thereof into released position, the sides of the bracket being formed with arcuate slots permitting operation of the operating member.

1,582,775. PROCESS FOR THE PREPARATION OF HYDROXY ALIPHATIC ARSONIC ACIDS. CARL OECHSLIN, Ablon, France, assignor to Etablissements Poulenc Frères, Paris, France. Filed Oct. 25, 1923. Serial No. 670,796. 1 Claim. (Cl. 260—14.)

The method of preparing hydroxy aliphatic arsonic acids which consists in treating aliphatic compounds containing the ethylene oxide grouping

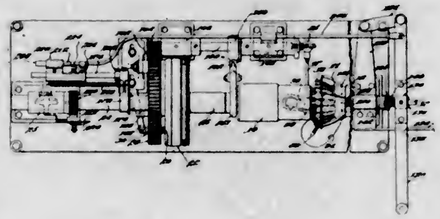


with a solution of an alkaline metal arsenite, and isolating the free acid substantially as hereinbefore described.

1,582,776. PROCESS FOR THE PREPARATION OF SUBSTITUTED ALIPHATIC ARSONIC ACIDS. CARL OECHSLIN, Ablon, France, assignor to Etablissements Poulenc Frères, Paris, France. Filed Oct. 25, 1923. Serial No. 670,797. 3 Claims. (Cl. 260—14.)

1. The method of preparing substituted aliphatic arsonic acids which consists in treating aliphatic compounds of the type R—CHX—R_1 (R being any monovalent substituent, X an atom of halogen, and R_1 any monovalent substituent excepting hydrogen) with an alkali metal arsenite substantially as hereinbefore described.

1,582,777. WINDING MACHINE. ISRAEL C. ORSWELL, Medford, Mass. Filed Mar. 26, 1923. Serial No. 627,602. 18 Claims. (Cl. 242—1.)



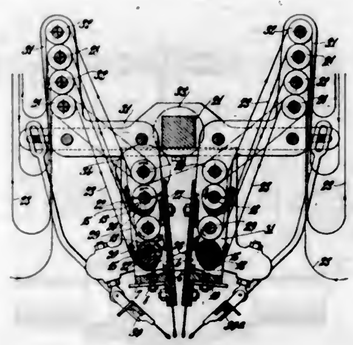
1. A machine for winding material on a skeleton form comprising a rotatable hemispherical forming head, means for holding the skeleton form in engagement with the forming head, and means including a guiding member oscillating synchronously with the rotation of the forming head for guiding the winding material on opposite sides of adjacent arms of the skeleton form.

1,582,778. DOLL. GEORGE HARRY PARSONS, New York, N. Y., assignor to Averill Mfg. Co., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1924. Serial No. 748,200. 3 Claims. (Cl. 46—40.)

1. The combination of a doll having movable eyes, a spring, means operatively connecting the spring and the eyes whereby the spring tends to move the eyes to open position, a movable member adapted to contract the spring and move the eyes to closed position, and a suction cup adapted to hold said member against movement

with the spring contracted for a period of time when said suction cup releases the member and the spring functions to cause the eyes to open.

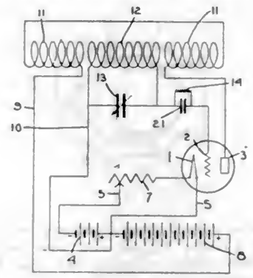
1,582,779. KNITTING MACHINE OF THE RASCHEL OR CHAINE TYPE. JAMES EUGÈNE PHILIPPE, Paris, France. Filed May 23, 1924. Serial No. 715,417. 5 Claims. (Cl. 66—84.)



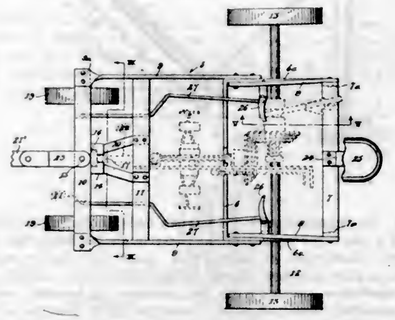
1. In a knitting machine of the class described, the combination of a needle row, heddles adapted to lay the threads upon the needles of said needle-row, and a rotary cylinder continuously rotated and having projections adapted to engage said heddles to move the threads out of reach of said needles.

1,582,780. RADIO WAVE METER. PAUL T. PLATT, Norfolk Downs, Mass. Filed Apr. 6, 1925. Serial No. 21,005. 1 Claim. (Cl. 250—39.)

A radio wavemeter, said wavemeter comprising a single oscillating vacuum tube with filament, grid and plate circuits therefor, a two-section winding in the plate circuit, said sections being connected at their outer ends, a tuned inductance in the grid circuit situated between the inner ends of the two sections of the winding in the plate circuit, a grid condenser in the grid circuit and a high resistance grid leak bridging said grid condenser, whereby a perodic grid-choking action is produced which causes the radio-frequency oscillations to be broken into groups occurring at audio frequency over a wave length band of at least 188 to 555 meters.



1,582,781. VEHICLE FRAME STRUCTURE. JOSEPH F. PRENOSIL, Georgetown, Minn. Original application filed Feb. 7, 1924, Serial No. 691,210. Divided and this application filed Nov. 13, 1924. Serial No. 749,735. 1 Claim. (Cl. 280—97.)

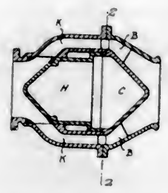


In a device of the class described, a vehicle frame including a rear axle having ground engaging wheels, a transversely extending brace bar at its forward end, and a perpendicular block rigid with respect to the frame and having axially alined pins extending perpendicularly from opposite ends thereof with the upper pin projecting through the said transverse brace bar; a front axle pivoted on the lower pin and having ground engaging wheels, an inverted U-shaped member having its transverse portion centrally pivoted on the upper pin of the block below the transverse brace bar and having its lower ends fastened to the front axle, and means for pivoting the front axle and its inverted U-shaped member in respect to the frame.

1,582,782. COMBINED HYDRAULIC VALVE AND DISPERSAL NOZZLE. OWEN ALFRED PRICE, Kilmarnock, Scotland. Original application filed Aug. 28, 1923, Serial No. 659,807. Divided and this application filed June 10, 1924. Serial No. 719,203. 1 Claim. (Cl. 299—118.)

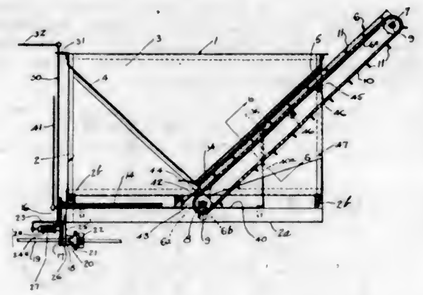
A jet dispersal nozzle comprising in combination, and coaxially arranged, an inlet portion, a blade element consisting of radiating blades whose pitch varies inversely with the radius, adapted to form a forced vortex that will rapidly consolidate to a free spiral vortex, and an outlet portion to accommodate the free spiral vortex, all

coacting in such manner that the central portion of the stream is revolved with a higher velocity than the peripheral portion, in combination with a central boss



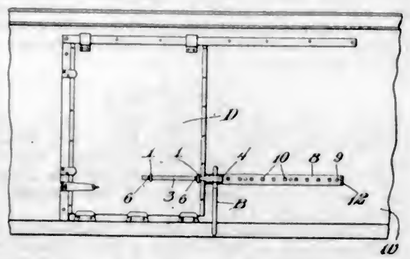
of conoidal stream-lined form associated with said blade element, and a valve within said boss movable longitudinally of the nozzle to open and close the passage through the latter.

1,582,783. CONVEYER TRUCK. NICHOLAS PSENKA, Canton, Ohio. Filed Apr. 30, 1925. Serial No. 27,083. 6 Claims. (Cl. 214—83.)



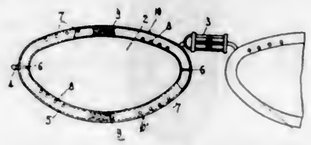
1. In combination with a truck body including a trough and a conveyer operating in the trough for removing material therefrom, of a movable cover for the conveyer, and a gate member fitting in an end of the trough and in operative contact with the conveyer to prevent escape of material admitted to the conveyer upon removal of the cover therefrom and having an upturned portion disposed beneath a wall of the body opposite the trough.

1,582,784. DOOR-OPERATING STRUCTURE. HUGH C. PUMPHREY, Lamesa, Tex., assignor of one-third to Andrew M. Conklin and one-third to Hugh L. Duke, both of Lamesa, Tex. Filed Mar. 19, 1925. Serial No. 16,855. 2 Claims. (Cl. 268—6.)



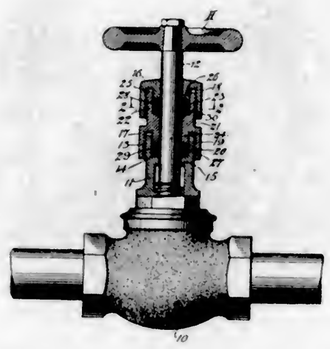
1. In combination with a wall provided with an opening and a sliding door therefor, a member rotatably supported by the door and extending beyond an edge thereof, said extended portion of the member being provided with a slot therethrough, a bar having a reduced portion disposed through the slot whereby the bar is supported by the member, said slot being greater in length than the width of the reduced portion to permit the bar having swinging movement in a direction lengthwise of the member, and a second member provided with spaced pockets carried by the wall to one side of the opening with which an end portion of the bar is adapted to engage to facilitate movement of the door.

1,582,785. GOGGLES. GIUSEPPE RATTI, Turin, Italy. Filed Mar. 26, 1925. Serial No. 18,567. 4 Claims. (Cl. 2—14.)



1. A goggle or eye protector, comprising, for each eye, a frame, a screen in the front portion of said frame, means for supporting said frames on the wearer's head, a ring made of a tube of soft material on the edge of said frame for contacting with the wearer's face, said tube having, in its wall, ports opening to atmosphere and ports opening to the space enclosed around the eye of the wearer and spaced from the ports opening to atmosphere.

1,582,786. TWIN PACKING NUT. WILLIAM A. RHODES, Brooklyn, N. Y. Filed July 2, 1925. Serial No. 41,153. 1 Claim. (Cl. 251—50.)

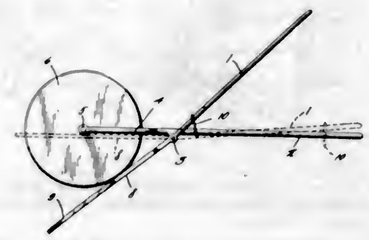


A packing unit having a screw threaded bore in one end and a plain bore in the opposite end thereof, the end of said unit having the plain bore therein being externally screw threaded, the externally screw threaded end being equal in diameter to the diameter of the screw threaded bore and having a similar thread, and a gland extending into the screw threaded bore and being of smaller diameter than said screw threaded bore.

1,582,787. CUTTER. LAWRENCE W. RICHARDSON, San Francisco, Calif. Filed June 21, 1924. Serial No. 721,555. 1 Claim. (Cl. 146—211.)

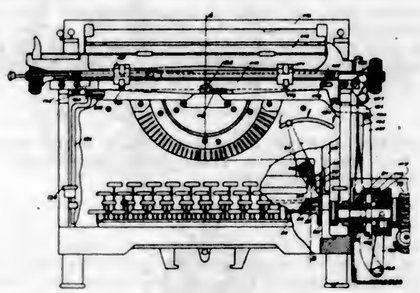
A cutter of the class described including a pair of pivotally connected handle members, one of said handle members being forked at one end to form spaced parallel

arms, a shaft journaled in the outer ends of said arms, a plurality of disks mounted on said shaft, sleeves on the shaft between the disks for spacing them a predetermined distance apart, a slotted plate on one end of the other handle on the same side of the pivot as the



forked end of the first mentioned handle, said slots being adapted to receive the cutting disks upon movement of the handles toward each other and adjustable means mounted on the ends of the handles opposite the disk and plate whereby to retain said handle in various adjustable positions.

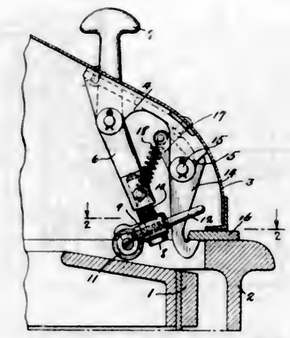
1,582,788. TYPEWRITING MACHINE WITH POWER DRIVE. CARL SCHILONS, Berlin-Steglitz, Germany, assignor to Mercedes-Büro Maschinen- und Waffen-Werke, Benshausen, Thuringia, Post Mehlis, Germany. Original application filed July 28, 1923, Serial No. 654,446. Divided and this application filed June 2, 1925. Serial No. 34,444. 4 Claims. (Cl. 197—65.)



1. In a motor driven typewriter, a constantly rotating shaft, type keys, a type key locking element, a paper carriage, means for returning said carriage, a clutch for coupling said carriage-returning means to said constantly rotating shaft, a horizontally and vertically movable bar, connections between said bar and said key-locking element for actuating said key-locking element upon vertical movement of said bar, connections between said bar and said clutch for actuating said clutch upon horizontal movement of said bar, and cooperating lugs on said carriage and said bar for moving said bar vertically and horizontally.

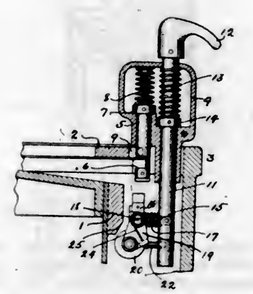
1,582,789. LOCK. JOHN F. SCHMAUK, Glenside, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1925. Serial No. 53,773. 6 Claims. (Cl. 210—63.)

1. A safety lock for centrifugals comprising in combination a keeper, a lock controlling rod, and keeper controlling means carried by said rod and adapted when said rod is actuated to move said keeper out of locking position when the centrifugal is at rest, said keeper



controlling means when the centrifugal is rotating being moved by the centrifugal upon operation of the rod to nonoperative position.

1,582,790. LOCK. FLETCHER SCHAUM, Philadelphia, and JOHN F. SCHMAUK, Glenside, Pa., assignors to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 3, 1925. Serial No. 54,189. 6 Claims. (Cl. 210—63.)

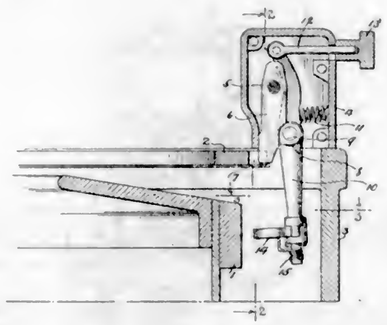


1. A safety lock for centrifugals comprising in combination, a keeper, a lock-controlling rod lying adjacent said keeper and parallel thereto, and a keeper-controlling member carried by said rod adapted when the centrifugal is at rest to be carried by movement of the said rod into engagement with said keeper to move the keeper out of locking position, said keeper-controlling member being moved by the centrifugal when the centrifugal is rotating into position to prevent its engagement with the keeper when said rod is actuated.

1,582,791. LOCK. AUGUST BODENSCHATZ, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 1, 1925. Serial No. 53,785. 5 Claims. (Cl. 210—63.)

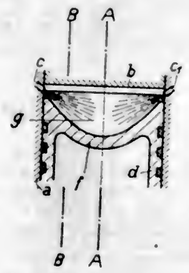
1. In a centrifugal comprising a centrifugal basket and a cover therefor, a lock for the cover comprising in combination a lock casing, a keeper pivoted to the interior of said casing and engageable with said cover, a lock

controlling lever pivoted to said keeper, means for operating said lever from the exterior of said lock casing, and means controlled by said lever and engageable with



said basket whereby when the basket is rotating said lock controlling lever may be moved independently of said keeper.

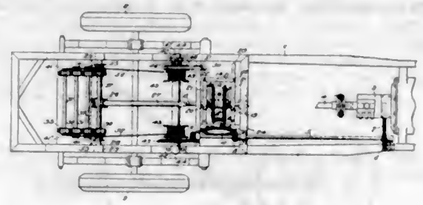
1,582,792. DIESEL ENGINE. FRANZ SCHÜLTZ, Cologne-Mulheim, Germany. Filed Aug. 18, 1924. Serial No. 732,857. 1 Claim. (Cl. 123—32.)



A Diesel engine without a compressor, comprising a cylinder, a piston movable in the cylinder, a flat cylinder head, a combustion chamber between the cylinder head and the piston, fuel injecting nozzles arranged opposite one another and inclined to the axis of the cylinder, the inner surface of the cylinder head being plain and the top surface of the piston formed with a comparatively deep hollow depression constituting the combustion chamber, the nozzles directing the fuel into the ends of said depression, with the depression increasing in width and depth from each nozzle in substantial correspondence with the spread of the fuel delivered by the nozzle, whereby said fuel is permitted a natural spreading and also permitted a substantially uninterrupted travel in the combustion chamber for a thorough mixing with air prior to contact.

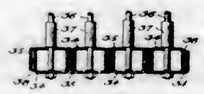
1,582,793. POWER-DRIVEN AND POWER-ACTUATED EXTENSION LADDER FOR FIRE TRUCKS. CHARLES W. SMITH and EARNEST L. THOMPSON, Bluffton, Ind. Filed Sept. 27, 1924. Serial No. 740,236. 6 Claims. (Cl. 228—8.)

1. In a power driven and power actuated fire truck, the combination with a pivotally supported main ladder section having a segmental elevating gear secured to the lower end thereof, of a driving shaft power actuated in one direction only, a driven shaft having a worm connection with said segmental gear, a clutch interposed between said driving and driven shafts for rotating the



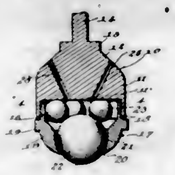
latter in each direction selectively, and a gear train for transmitting power from said main driving shaft to the clutch aforesaid.

1,582,794. TELESCOPING EXTENSION LADDER. CHARLES W. SMITH, Bluffton, and EARNEST L. THOMPSON, Fort Wayne, Ind. Original application filed Sept. 27, 1924, Serial No. 740,236. Divided and this application filed Mar. 8, 1926. Serial No. 93,162. 4 Claims. (Cl. 228—18.)



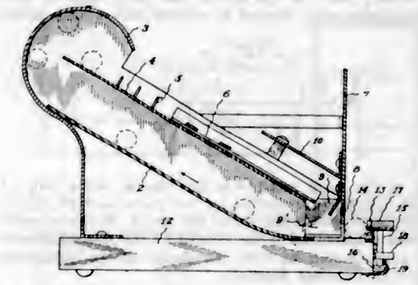
1. In an extension ladder, a series of ladder sections, each section consisting of side rails and connecting rungs, each side rail consisting of a pair of channel iron strips of different widths, the strips of each rail being reversely arranged with the wings of the strips spaced apart to form parallel grooves at the opposite edge portions of the rail, the wings of one of the strips of one rail extending into the grooves of two adjacent rails to provide a sliding connection between the rails.

1,582,795. CASTER. CLARENCE WILLARD SMITH, Mexia, Tex. Filed May 10, 1923. Serial No. 638,081. 1 Claim. (Cl. 16—26.)



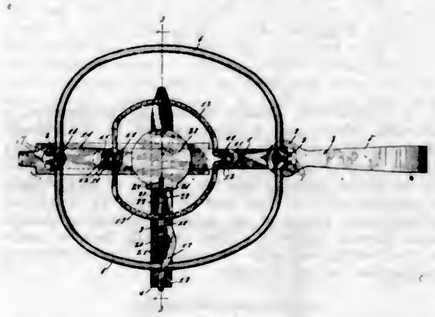
In a caster, a stock having a cylindrical body and being tapered toward its upper end and provided at its upper end with a polygonal shoulder having attaching means above said shoulder, said stock being also provided with a depending and internally threaded annular flange, a retaining cup having an upstanding externally threaded annular flange engageable with the stock and being provided with a concavo convex body portion having an opening therein and provided with a bearing surface around said opening, said cup also having a shoulder of polygonal formation intermediate its flange and its concavo-convex body portion, a floor engaging ball arranged in the retaining cup and having a portion thereof projecting through the opening in the cup and below the caster, and anti-friction balls engaging the supporting ball, the flange of the retaining cup and the adjacent face of the stock.

1,582,796. GAME. DANIEL ARTHUR SMITH, Wilmington, Del. Filed July 31, 1925. Serial No. 47,323. 4 Claims. (Cl. 273—122.)



1. In a game, the combination of projectors, a single run-way, a plurality of run-ways, a projectile adapted to be delivered to any one of the plurality of run-ways from said individual run-way hazards for rendering undeterminable the run-way to which the projectile is delivered from the single run-way, and a bell-like rib adapted to be struck by said projectile, upon leaving any one of the plurality of run-ways.

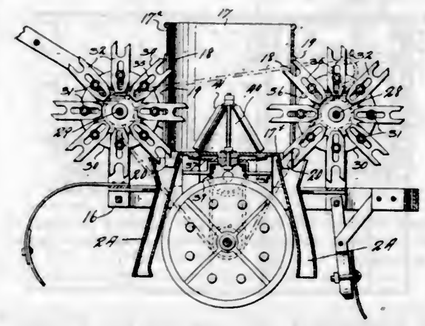
1,582,797. STEEL TRAP. HUGH M. STANFORD, Hayfield Township, Crawford County, Pa. Filed Apr. 27, 1925. Serial No. 26,195. 5 Claims. (Cl. 43—88.)



5. In a trap of the character set forth, a base comprising an elongated member and a transverse member secured to the central part thereof, the outer end of said transverse member being upturned, a plurality of pairs of jaws carried upon said base, a trigger member, a latch pivotally secured at one end to said upturned member to overlie one jaw of one of said pairs, and having its free end turned inwardly, a supporting stud upon said transverse member, an inner latch pivoted thereto and adapted to overlie one jaw of the other pair and engage said trigger, said first mentioned latch having its inturned end engageable under the inner latch, and spring actuating means normally controlling said jaws.

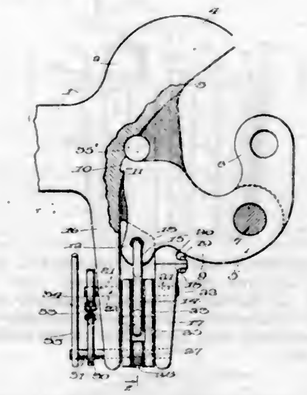
1,582,798. SEED AND FERTILIZER DISTRIBUTOR. JAMES FRANCIS STEPHENS, Newberry, S. C., assignor of one-half to Nathaniel Gist, Newberry, S. C. Filed Sept. 9, 1925. Serial No. 55,304. 2 Claims. (Cl. 221—133.)

1. In a cotton seed planter, a hopper having a vertically extending slot, a disk rotatable adjacent the hopper and substantially aligned with said slot, picker teeth carrying elements carried by the disk and adapted to engage in the slot and means for radially adjusting said picker teeth carrying elements upon the disks to thereby regulate the extent of projection of the picker teeth thereof into the slot, each of the picker teeth



carrying elements having a plurality of teeth, the teeth in advance, as regards the direction of rotation of the disk, being the shorter, each succeeding tooth being longer than the next preceding tooth of the element.

1,582,799. COUPLER. JAMES BERNARD STEWARDSON, Colby, Kans. Filed Apr. 16, 1925. Serial No. 23,599. 5 Claims. (Cl. 213—109.)

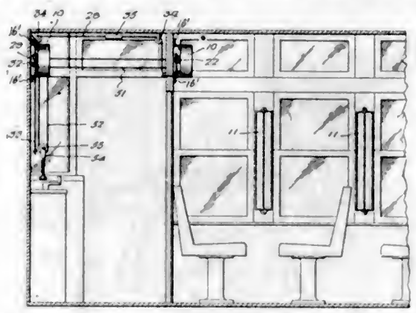


1. In a coupler, a draw head having a vertical slot and having a horizontal slot, a latching member fulcrumed in the horizontal slot to swing to and from position to project to latching position in said vertical slot, a vertically swingable toggle mechanism attached at one end to said latching member, said toggle mechanism being actuated by gravity to urge said latching member continuously to latching position, and means for actuating said toggle mechanism to move said latching member to releasing position.

1,582,800. STATION-INDICATING SYSTEM. GEORGE A. STOBRAR, Tacoma, Wash. Filed Dec. 3, 1921. Serial No. 519,683. 2 Claims. (Cl. 40—28.)

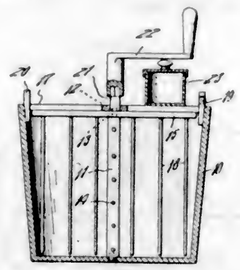
1. A station indicator for vehicles comprising in combination with an indicating mechanism adapted for the consecutive display of numbers and for indicating the direction of travel, a chart divided into a plurality of spaces, indicia upon one of said spaces for indicating the names of the stations along the route traveled, num-

bers arranged in the spaces opposite the station indicia, said numbers corresponding to the numbers of the indicating mechanism arranged in reverse order upon each



side of the station indicia and indicia at the top of the number spaces corresponding to the direction of the indicating means of the indicator, whereby the names of stations may be determined.

1,582,801. DOUGH MIXER. MICHAEL SZÜR, Sharon, Pa., assignor of one-half to Charles Rajki, Sharon, Pa. Filed Dec. 6, 1924. Serial No. 754,427. 3 Claims. (Cl. 259—101.)



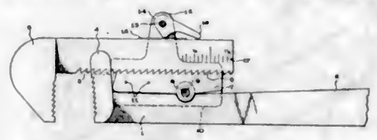
1. A dough mixer comprising a container, a plurality of spaced vertically disposed stationary rods therein, a plurality of vertically spaced horizontally disposed rods within the container and means whereby an oscillatory movement may be imparted to the horizontally disposed rods.

1,582,802. MANUFACTURE OF A PHARMACEUTICAL PRODUCT. ALBRECHT THIELE, Berlin, Germany, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed May 18, 1923. Serial No. 639,975. 2 Claims. (Cl. 260—33.)

1. The reaction product of the combination of phenylethylbarbituric acid and 4-dimethylamino-2.3-dimethyl-1-phenyl-5-pyrazolon.

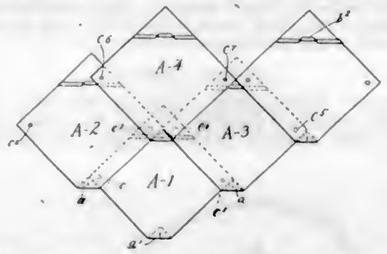
1,582,803. WRENCH. ANDREW P. THORNGREN, Pigeon Cove, Mass. Filed May 14, 1923. Serial No. 638,975. 1 Claim. (Cl. 81—103.)

A wrench comprising a handle, a rigid jaw formed thereon and extending laterally therefrom, an adjustable jaw arranged in opposed relation to the laterally extending jaw and formed with a tooth shank extending parallel to the handle, a locking plate arranged between the handle and shank and having teeth adapted to engage the teeth on the latter, plates arranged upon opposite sides of the handle and projecting beyond the shank of the movable jaw, an ear on the handle having an elongated opening, perforated ears on opposite sides of the locking plate straddling the ear on the handle, a pivot bolt through said ears for pivotally connecting the locking plate to the handle, the inner edge of said locking plate being beveled to provide for rocking move-



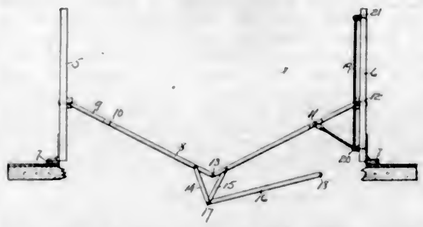
ment of the same relative to the handle and a pair of spaced parallel ears carried by the plates and projecting an appreciable distance above the shank of the movable jaw and a fastening device carried by the last mentioned ears and adapted to hold the shank of the adjustable jaw in an adjusted position.

1,582,804. COMPOSITION SHINGLE. JOHN W. TOWLER, Cincinnati, Ohio. Filed Aug. 8, 1924. Serial No. 730,882. 3 Claims. (Cl. 108—8.)



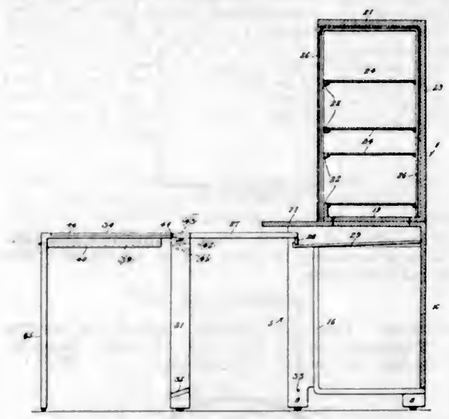
1. A composition shingle having in combination a bent-under corner and a band secured to the shingle and across the face of said shingle near the opposite diagonal corner, said band having a part thereof midway its length raised above the surface of said shingle and parallel with its face and so shaped as to receive the bent-under corner of the similar overlapping shingle placed directly above the first, and to form a guide for the contiguous edge of each of the overlapping superimposed lateral shingles.

1,582,805. DOOR OPENING AND CLOSING MECHANISM. PETER J. TRACY, Hartford, Conn. Filed July 8, 1924. Serial No. 724,787. 4 Claims. (Cl. 268—9.)



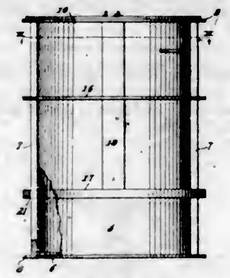
1. A pair of doors, a jointed main lever pivotally secured at one end to each door with the intermediate pivoted ends secured to a fixed support, a pair of toggle levers each pivotally secured at one end to one of said main levers and at its opposite end to the other toggle lever, and a controlling lever for restraining and controlling the movement of said toggle levers and having the end thereof spaced from the toggle levers pivoted to a fixed support.

1,582,806. KITCHEN CABINET. JOHN VIDETTA, Weehawken, N. J. Filed July 1, 1924. Serial No. 723,497. 2 Claims. (Cl. 45—113.)



1. In a piece of furniture of the type described, a cabinet section including a top, a sub-top spaced therefrom to form a chamber, and side walls having front and rear legs; a rearwardly inclined track carried by the upper inner portion of each side wall within the chamber, an extension table section including a top and two front legs, a pin depending from each rear corner of the top and traveling on said inclined tracks to raise and lower the inner edge of the table when it is pushed into and pulled out of the chamber, and said front legs on the extension table and cabinet section having means for interconnecting the same to raise and lower the front edge of the table when it is pushed into and pulled out of the chamber.

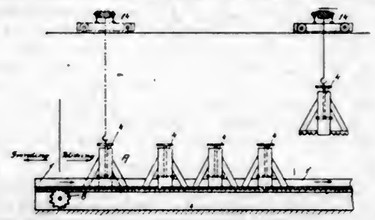
1,582,807. GARBAGE-CAN RECEPTACLE. JOHN VIDETTA, Weehawken, N. J. Filed July 9, 1925. Serial No. 42,505. 5 Claims. (Cl. 220—80.)



1. In a receptacle of the type described, a body portion open at its upper end, a cover for closing said upper end, formed of a pair of hinged sections, a rod connected to one of the cover sections outwardly of the upper edge of the body portion, and a ring slidably encircling the body portion and connected to the rod whereby downward pressure applied to the ring will cause both cover sections to swing into an open position and with the other cover section capable of being normally opened without operating the ring.

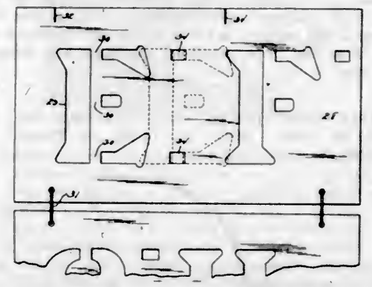
1,582,808. PROCESS OF GRINDING AND POLISHING GLASS PLATES. LAMBERT VON REIS, Herzogenrath, Germany. Filed July 14, 1925. Serial No. 43,572. 2 Claims. (Cl. 51—278.)

1. The process of grinding and polishing glass plates passing beneath a series of grinding and polishing appliances arranged in succession to one another, which consists in imparting to the polishing appliances a movement in the direction of the feed of the glass so as to cause a vacant space to be at intervals formed between



the foremost grinding appliance and the rearmost polishing appliance and inserting a polishing appliance with clean felts into the said vacant space, for the purpose of avoiding an interruption of the polishing operation.

1,582,809. STENCILING APPARATUS. JOHN DOUGLAS WHITE, Wichita Falls, Tex., assignor of forty-nine one-hundredths to Walter Thurman Sadler, Wichita Falls, Tex. Filed Apr. 24, 1925. Serial No. 25,632. 3 Claims. (Cl. 101—126.)

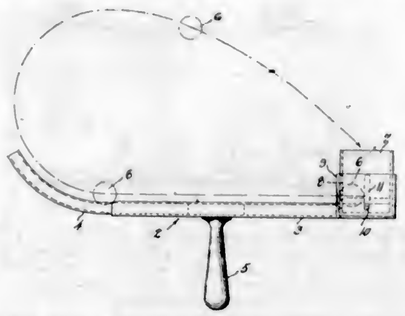


1. A stencil pack comprising a plurality of flexibly and pivotally connected sheets, each sheet being formed with a plurality of cutout letters, the cutting to define the letters being interrupted at points to define "island" portions, the sheet being further provided with openings spaced from but aligning with said "island" portions.

1,582,810. EDUCATIONAL APPLIANCE. FREDERICK L. WHITEHEAD, Butte, Mont. Filed May 4, 1923. Serial No. 636,615. 9 Claims. (Cl. 35—12.)

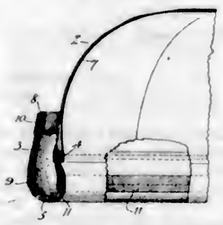
1. An educational appliance comprising a board represented in the color green and having a blue field therein with an opening in the center thereof, and a yellow sheet containing the subject matter for reading movable beneath said board and exposed through the opening therein.

1,582,811. AMUSEMENT DEVICE. MILTON D. ADLER, New York, N. Y. Filed Oct. 30, 1925. Serial No. 65,757. 7 Claims. (Cl. 273—96.)



1. A device of the class described, comprising a rigid trackway having a relatively long straight portion and an upwardly curved portion at the end of said straight portion, a handle thereon, a cup adjustably mounted on said trackway, and adapted to be positioned in different positions with relation to the upwardly curved portion thereof, and a ball adapted to travel along said trackway when it is tilted and to be projected therefrom and caught in said cup.

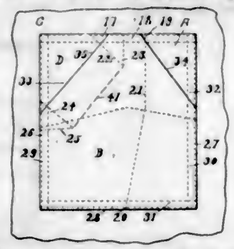
1,582,812. HAT. SAMUEL AVIN, Philadelphia, Pa. Filed Feb. 26, 1925. Serial No. 11,826. 3 Claims. (Cl. 2—197.)



1. A seamed hat comprising a crown and a brim, the said crown comprising a dome-shaped portion and an annular portion fitting about the head of the wearer, the said portions being united by an annular seam, above that part of the hat which contacts with the head of the wearer, the said annular portion being formed integral with the said brim, and being provided with means operating to contract itself and to provide a fullness in the portion of the brim adjacent the crown.

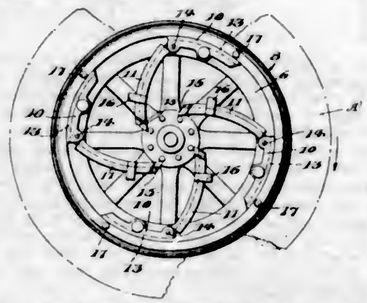
1,582,813. THREE-WAY POCKET. MAURICE BALLIN, Los Gatos, Calif., assignor to Neustadter Bros., San Francisco, Calif., a Corporation of California. Filed Oct. 18, 1923. Serial No. 669,213. 4 Claims. (Cl. 2—253.)

1. The combination with a garment, of a three-way pocket therefor, said pocket consisting of an inner blank and an outer blank, the inner blank being stitched along the bottom and side edges to the garment to form a note-book pocket, and the outer blank being stitched along the bottom and sides to the inner blank and the garment and along a portion of its upper edge to the upper edge of the inner blank only, said outer blank being also stitched substantially centrally and vertically to the inner blank only to form a rule receiving pocket and a watch pocket, and an inturned flap on each side of the outer blank and at the upper end thereof, said inturned flaps being stitched to the outer blank to form slanting entrance openings to the last named pockets and a substantially triangular shaped flap stitched at its top and side edge



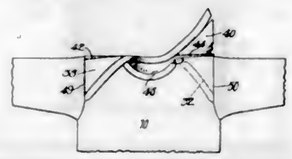
to one corner of the inner blank and having a free angular edge extending in under one of the inturned flaps of the outer blank.

1,582,814. VEHICLE WHEEL. JANVIER DE LOPATTO, Washington, D. C. Filed Apr. 18, 1925. Serial No. 24,062. 10 Claims. (Cl. 152—21.)



1. In a wheel, the combination with a rim, of a removable flange circumferentially movable on said rim in one direction for interlocking engagement therewith, and latches pivoted to said rim for interlocking engagement with said flange upon circumferential movement thereof in the opposite direction.

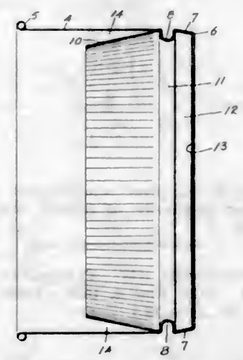
1,582,815. COMBINATION GARMENT. NATHAN HATCH, Albany, N. Y., assignor to Stephen V. Hatch, Albany, N. Y. Filed Jan. 18, 1924. Serial No. 686,949. 3 Claims. (Cl. 2—78.)



1. A bifurcated union garment of the type described comprising a fabric in tubular form, the upper edge thereof having oppositely disposed centrally arranged depressions formed respectively at the front and back of the garment, and also oppositely disposed substantially horizontal straight edges extending outwardly from the central openings through the outer corners thereof and also provided with oppositely disposed vertical slits at the respective upper and outer corners thereof to form a front and a rear body flap, four shoulder flaps of separate pieces of material, each being substantially triangular in form, one of the angles being substantially a right angle, each one of the said shoulder flaps being secured by seams along one of its sides forming a leg of the right angle to one of the said horizontal straight edges forming

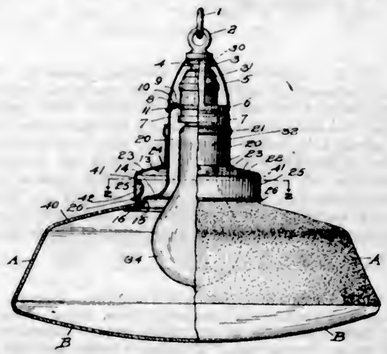
the tops of the respective body flaps, and also being secured by seams along its side forming the other leg of the right angle to the adjacent vertical edge of the opposing body flaps each of said side edges and seams being limited in length to extend to a point located substantially just below the shoulder and above the arm pit, the third and hypotheuse side of each of said shoulder flaps being entirely free and forming in continuations with the exposed upper edges of the front and back flaps the entire edge of the body opening extending from shoulder seam to shoulder seam.

1,582,816. STOVEPIPE THIMBLE. JOSEPH L. HEMP, St. Louis, Mo., assignor to Hemp & Company Corporation, St. Louis, Mo., a Corporation of Missouri. Filed May 11, 1925. Serial No. 29,352. 3 Claims. (Cl. 126—314.)



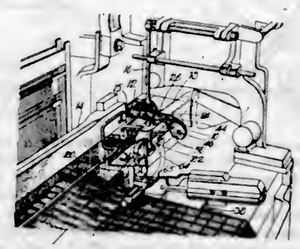
1. A stove pipe thimble comprising an outer member provided on one edge with an outwardly extending bead and on the end opposite said bead with a smooth tapered terminal portion the edge of the tapered portion being abruptly bent inwardly, an inner member having one end tapered and corrugated and its opposite end having a smooth tapered terminal portion abutting the inwardly bent portion, and an internally projecting bead formed in and completely around both members adjacent their terminal tapered portions for interlocking said members together and answering as a mortar groove.

1,582,817. LIGHTING FIXTURE. SAMUEL G. HIBBEN, Bloomfield, N. J., assignor to George Cutter Company, a Corporation of Indiana. Filed Jan. 27, 1921. Serial No. 440,462. 2 Claims. (Cl. 240—133.)



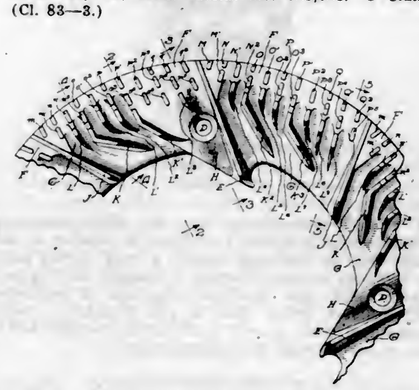
1. A lighting fixture comprising a supporting member, a lamp socket attached thereto, straps attached to the support and carrying a cylindrical perforated shell member surrounding the lamp socket, a packing member between the shell and socket and above the perforations in the shell to prevent passage of hot air therebetween, said shell member extending downward around the socket and having its lower portion flared out to form a three-point support for a lamp globe or shade, and a freely slidable cylindrical perforated sleeve mounted on the outside of the said shell, the lower portion of the said sleeve being flared out and turned down to form a cylindrical portion adapted to engage the flange of a lamp globe or shade to prevent lateral movement thereof.

1,582,818. THREAD CUTTER AND REVOKER FOR AUTOMATIC LOOMS. ODUS CROMER HINSON, Cramerton, N. C., assignor to Cramerton Mills, Incorporated, Cramerton, N. C., a Corporation of North Carolina. Filed Oct. 28, 1924. Serial No. 746,343. 16 Claims. (Cl. 139—264.)



6. Apparatus of the type described which comprises, a lay, a revoker arm, a cutter plate mounted on said revoker arm and having a portion projecting downwardly and forwardly over said lay and having a cutting edge in the lower portion of said downwardly projecting portion, a knife blade mounted on said cutter plate and having a knife edge forming a shears with said cutting edge, and means on said knife blade actuated by said lay to positively and successively open and close said shears on a forward movement of said lay.

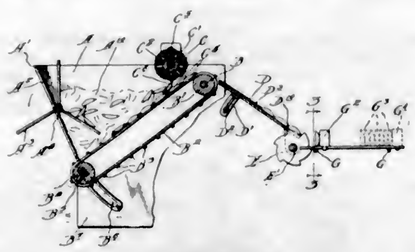
1,582,819. GRINDING BURR. JOHN HOLLAND-LETZ, Crown Point, Ind., assignor to The Letz Manufacturing Company, Crown Point, Ind., a Corporation of Indiana. Filed July 28, 1924. Serial No. 728,628. 8 Claims. (Cl. 83—3.)



8. In a grinding burr, the combination with an annular base, of a plurality of feeding and tearing teeth extending across the base and projecting inwardly beyond the general outlines of the inner periphery, a plurality of feeding teeth, all of said teeth extending in the same general direction relative to radial lines projected there-

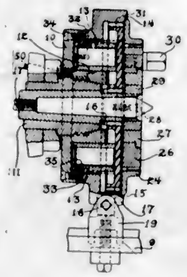
through, and grinding teeth located outside the feeding teeth and arranged in rows in staggered relationship to adjacent rows, the feeding teeth in some instances constituting continuations of the rows of grinding teeth, substantially as and for the purpose described.

1,582,820. BISCUIT-SORTING MACHINE. WARREN H. HUNGERFORD, Chicago, Ill. Filed Nov. 28, 1923. Serial No. 677,379. 7 Claims. (Cl. 198—29.)



1. The process of sorting objects having a plane side and a concave side which consists of depositing said articles upon a moving member provided with upwardly projecting flights of less height than the thickness of said articles, conveying the articles from the zone of deposit of said articles, and sweeping rearwardly toward said zone of deposit all articles which lodge upon the moving member concave side down, and conveying forwardly all articles which lodge upon the moving member with their plane side down and in contact with its surface.

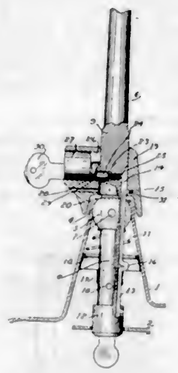
1,582,821. SPEED-REDUCING FACEPLATE FOR LATHES. WALTER E. INGHAM, Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 25, 1924. Serial No. 708,997. 12 Claims. (Cl. 32—2.)



1. A speed reducing face plate for lathes comprising in combination, a member adapted to be mounted on and rotate with the headstock spindle, a work driving member rotatably mounted thereon, a member fixed against rotation, said three members being held in associated relationship, a drivin gear on said headstock spindle, intermediate gears on said work driving member, and a gear on said member fixed against rotation.

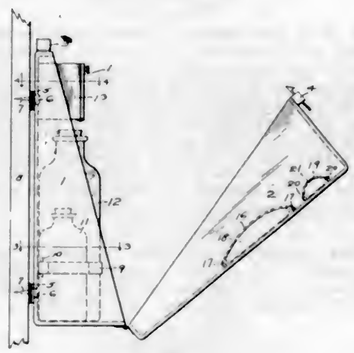
1,582,822. TRANSMISSION LOCK. COLVIN L. JOHNSON, St. Louis, Mo., assignor to Johnson Automobile Lock Company, a Corporation of Illinois. Filed Jan. 25, 1924. Serial No. 688,360. 2 Claims. (Cl. 70—128.)

1. The combination with a pivoted gear shift lever, of a casing, a lever locking means slidably engaged on said lever, a member connecting said casing with said locking means, a projection formed on said connecting member intermediate the ends thereof, and a spring supported on



said lever below the pivot point thereof and engaging said projection resiliently to support said casing and locking means.

1,582,823. FIRST-AID KIT. CLARENCE E. JONES, St. Paul, Minn. Filed June 4, 1923. Serial No. 643,371. 1 Claim. (Cl. 206—12.)

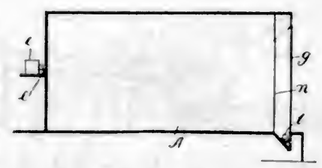


A kit for retaining fragile articles, consisting of a casing composed of sections hingedly connected together, staples carried by one section, an elastic band passing through the staples and bridging the spaces between them and adapted to retain the articles, and holding devices carried by the other section of the casing and removably supporting soft material, the said holding devices being so arranged that, when the casing sections are closed, the soft material held by the holding devices is brought in contact with the fragile articles retained by the elastic band.

1,582,824. PROJECTING APPARATUS. JUTARO KAMIDE and TOSHIMASA IMASHIRO, Kobe, Japan, assignors to Goshi Kaisha Sankosha, Kobe, Japan, a Corporation of Japan. Filed Sept. 5, 1923. Serial No. 661,005. 1 Claim. (Cl. 88—24.)

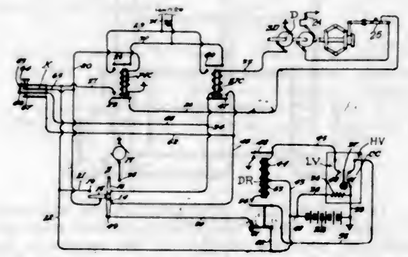
A projecting apparatus, comprising a casing forming a dark chamber having an opening in one end wall

adapted to register with a projector, a pair of screens closing the other end of said dark chamber, the inner screen of said pair having its surfaces ground in direc-



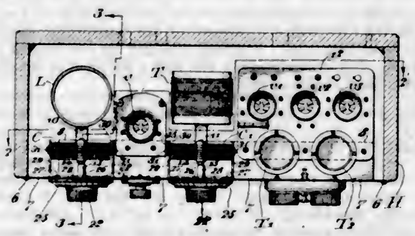
tions perpendicular to each other to a condition of semi-transparency and the outer screen being made transparent but with minimum reflectivity.

1,582,825. CONTROL SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1921. Serial No. 514,154. 8 Claims. (Cl. 290—30.)



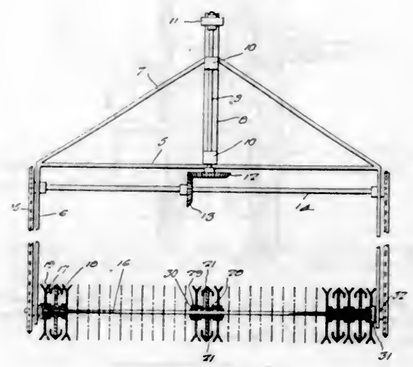
8. A pressure system, an automatic pressure controlled switch for connecting a source of current to said system to increase the pressure, a storage battery charging system, said switch serving on increased pressure to connect said source with said last system, a differential relay and an automatic device operatively associated with said relay and sensitive to the charged condition of said battery to disconnect said source, said source of current being connected to only one of said systems at a time.

1,582,826. PANEL CONDENSER. ARTHUR ATWATER KENT, Ardmore, Pa. Filed May 8, 1925. Serial No. 28,808. 33 Claims. (Cl. 250—41.)



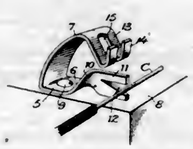
1. A radio set comprising a variable condenser unit, devices electrically associated therewith, and a metallic panel, said condenser unit supported solely on said panel and consisting of said panel and the rotor and stator condenser elements.

1,582,827. ROTARY HARROW AND SOIL PULVERIZER. NEWTON H. KRIZER, Rose Hill, Iowa. Filed Jan. 13, 1925. Serial No. 2,166. 1 Claim. (Cl. 97—215.)



In combination, a squared shaft, a plurality of shredder wheels mounted on the shaft to rotate therewith, said wheels including cylindrical hubs to provide bearings, and roller wheels on the bearings free to rotate with relation to the shredder wheels.

1,582,828. TERMINAL CLIP. DAVID K. KUSKIN, New York, N. Y., assignor to Fahnestock Electric Company, Long Island City, N. Y., a Corporation of West Virginia. Filed Mar. 27, 1924. Serial No. 702,403. 1 Claim. (Cl. 173—259.)

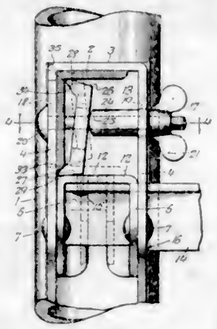


A terminal clip comprising a resilient strip having a base portion, an extension portion twisted longitudinally at substantially right angles to the base portion, and an arcuate portion curved upwardly from said base portion and terminating with downwardly extending hooked fingers, said twisted portion having a V-shaped slot opening through the end edge thereof for the reception of the terminal, and said hooked fingers being adapted to straddle said extension portion for the purpose of engaging and holding the terminal in said V-shaped slot, substantially as set forth.

1,582,829. CORNER FASTENING. FRANK KUSTERLE, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Mar. 26, 1920. Serial No. 369,051. 9 Claims. (Cl. 5—290.)

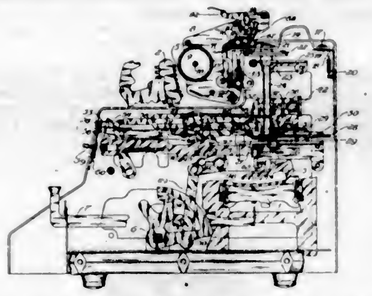
8. In a corner fastening, the combination of a socket, a locking member loosely mounted in the socket, an angle iron inserted in the socket and serving as a bearing

for the locking member, and an operating member for rocking the locking member on said bearing to cause



a portion of the locking member remote from the bearing to wedgingly engage an edge of the angle iron for clamping the latter in the socket.

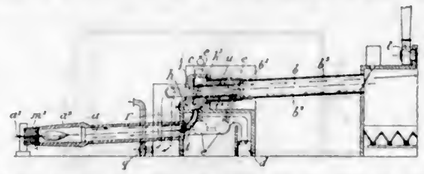
1,582,830. SHUTTLE-CARRIAGE MECHANISM FOR ADDING MACHINES. HARRY LANDSIEDEL, Cincinnati, Ohio, assignor to Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 7, 1922. Serial No. 586,612. 9 Claims. (Cl. 235—58.)



5. In adding machine shuttling mechanism, the combination of a platen carriage, an oscillating arm for alternately shifting the carriage to its right and left positions with alternate operations of the handle, a shaft, a crank connection between said shaft and said arm, connections for imparting a half rotation to said shaft with each handle operation, a cam carried by said shaft and adapted to move a half revolution with each handle pull, line spacing devices, disabling connections between the cam and said line spacing devices for disabling the latter on alternate strokes of the handle, adding devices, and disabling connections between said cam and said adding devices for disabling the latter on alternate strokes of the handle, substantially as described.

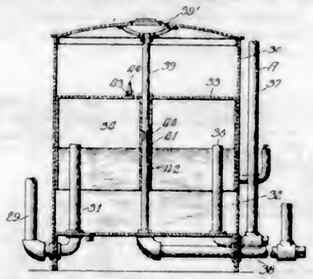
1,582,831. CEMENT-ROASTING APPARATUS. IVAN EMILE LANHOFFER, Paris, France. Filed May 24, 1922. Serial No. 563,451. 11 Claims. (Cl. 222—7.)

1. Apparatus for roasting cement which includes a rotary furnace for low temperature treatment, a rotary furnace for high temperature treatment, a source of heat applied to the latter, feed means located at one end of the low temperature furnace, and delivery means located at the opposite end of the low temperature furnace; said apparatus comprising, means disposed at the extremity of the entrance of the high temperature furnace for moving the gases of combustion from one furnace to the other in a direction opposite that followed by the sub-



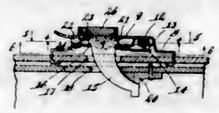
stance under treatment, and means for dividing the current of gas issuing from the high temperature furnace whereby only a predetermined amount of the current is admitted to the low temperature furnace.

1,582,832. GAS GENERATOR. ERNEST E. LAUN and ROY E. TULLGREN, Chicago, Ill. Filed Nov. 30, 1925. Serial No. 72,187. 7 Claims. (Cl. 230—24.)



1. In a device of the class described, the combination of a receptacle, with a fluid inlet and a fluid outlet communicating with the interior of the receptacle, fluid pressure operable means located in the receptacle, liquid provided in said receptacle forming a seal between the receptacle and said means, and means for releasing the pressure in said receptacle upon the breaking of said seal.

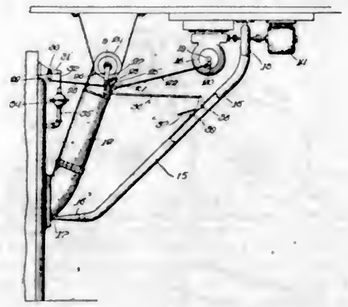
1,582,833. FASTENER FOR BAGS. HARRY LEVINE, Chicago, Ill. Filed May 1, 1925. Serial No. 27,127. 6 Claims. (Cl. 292—228.)



2. A fastener device for traveling bags and the like comprising a supporting element provided with a keeper-opening; an element hinged to the supporting element to close thereupon; a slider arranged on the hinged element; and a catch-lug on the slider adapted to interlock with said keeper-opening.

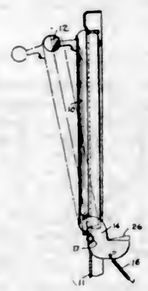
1,582,834. FUEL-FEEDING DEVICE. RAY LILLIE, Chicago, Ill., assignor of one-half to The Invincible Blow Pipe Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1921. Serial No. 464,302. 2 Claims. (Cl. 110—103.)

1. An apparatus for feeding fuel to a boiler furnace to maintain substantially constant pressure in the boiler comprising a fuel conveyor, a pipe connecting the conveyor and furnace and through which the fuel is moved by effect of gravity, means to intermittently move the conveyor, substantially constant speed air compressing means, a conduit leading directly from said air compressing means to said furnace terminating below said pipe, means responsive to the pressure in the boiler, ar-



ranged coincidently to control the movement of the conveyor and to vary the air supply as the fuel and air are fed to the furnace.

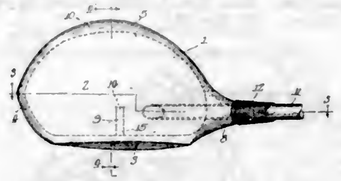
1,582,835. METAL DOOR FOR OVENS AND THE LIKE. WALTER C. LINDEMANN, Milwaukee, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 27, 1924. Serial No. 740,156. 15 Claims. (Cl. 126—194.)



1. In a hinged-door construction, a frame member provided with apertures adjacent the opposite extremity of the lower edge of the door opening, a door, and hinge members carried by the door adjacent the lower edge thereof, said hinge members being formed and arranged to extend through said perforations, to substantially fill the same at closed position so as to prevent substantial vertical movement, and to have bearing support therein in the opening and closing movements of the door and a latch at the upper part of the door adapted to hold said hinge members in engagement with said bearings.

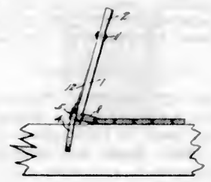
1,582,836. METALLIC GOLF-CLUB HEAD. ALBERT C. LINK, Chicago, Ill., assignor to Thos. E. Wilson & Co., Chicago, Ill., a Corporation of Maine. Filed July 17, 1925. Serial No. 44,156. 13 Claims. (Cl. 273—77.)

1. In a metallic golf club head, the combination of a shell, a striking face portion, and an abutment arranged transversely of said striking face portion, said abutment being triangular in form with its base extending from the bottom of the striking face portion along



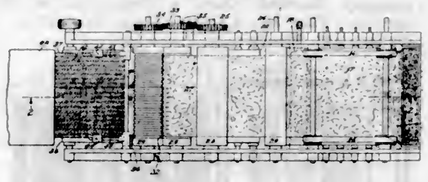
the sole portion, and ending in its apex at the juncture with the top of the striking face portion and the top portion of said shell.

1,582,837. FLOORING AND SIDING TOOL. JAMES LONG, Verona, Pa. Filed Oct. 31, 1924. Serial No. 746,939. 2 Claims. (Cl. 254—17.)



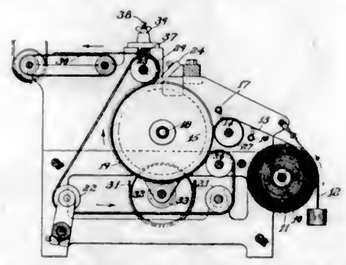
1. A device of the kind described, comprising in combination a handle bar having a handle at one end and a rigid grab hook at the opposite end; a curved and movable complementary grab hook pivoted across the base of the rigid hook and having a heel extended beyond the pivotal point; a curved hand lever pivoted at the handle portion of the handle bar; a connecting rod pivoted by its ends to the heel of the movable grab hook and to the said hand lever; and a board block pivotally mounted at one side of the base of the grab hooks, the pivot bolt connecting the said grab hooks being extended through the said board block and thereby affording a pivotal mounting for the block.

1,582,838. PAPER MAKING. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 19, 1920. Serial No. 417,920. Renewed May 23, 1925. 10 Claims. (Cl. 92—39.)



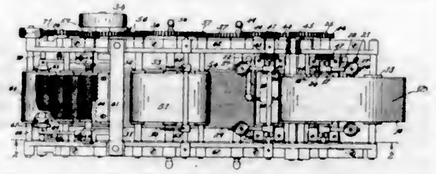
1. The process of forming longitudinally corrugated paper, comprising reducing pulp to the condition of a moist web and rolling corrugations into the web while the latter retains sufficient moisture to stretch laterally as the corrugations are formed therein, and crinkling the corrugated web transversely throughout its corrugations while it still retains moisture.

1,582,839. PAPER-CRINKLING MACHINE. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 5, 1920. Serial No. 422,005. 18 Claims. (Cl. 92—69.)



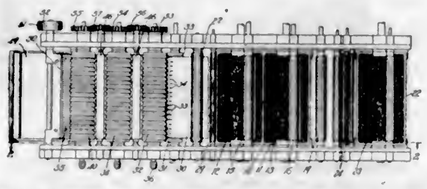
1. The combination of a means for holding a supply roll of paper, corrugating rolls to which the paper is directly led from the supply roll, means between the corrugating rolls and the supply roll for wetting the paper, and an endless power-driven belt running upon one of said corrugating rolls to hold the paper thereto, and formed to press the same into the corrugations.

1,582,840. PAPER CRINKLING. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 5, 1920. Serial No. 422,006. 24 Claims. (Cl. 92—69.)



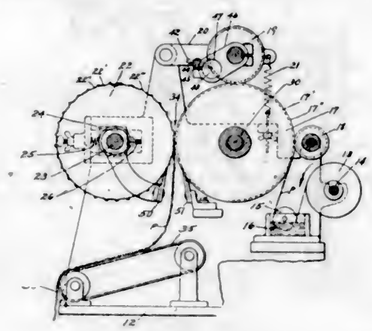
1. The combination of means for supporting a web of paper in the form of a supply roll, a pair of longitudinally corrugating rolls to which the paper is directly led from the supply roll, and means between the supply roll and the corrugating rolls for wetting the paper sufficiently to cause it to become plastic and stretchable, said rolls forming part of a set of pairs of corrugating rolls through which the paper is led, and certain rolls in said set being provided with heating means.

1,582,841. PAPER CORRUGATING. WILLIAM A. LORENZ Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 4, 1921. Serial No. 434,943. 3 Claims. (Cl. 92—69.)



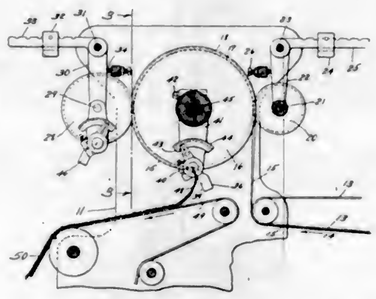
1. In combination, a series of circumferentially corrugated and heated drums over which a web is adapted to be successively passed, and an endless belt cooperating with said drums and having ribs to press the web into the grooves on said drums.

1,582,842. ELASTIC PAPER. WILLIAM A. LORENZ, West Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 11, 1924. Serial No. 731,437. 18 Claims. (Cl. 92—69.)



1. The herein described method of forming paper elastic in all directions, which consists in corrugating a web or sheet in one direction, and corrugating and crinkling the sheet at an angle to the first corrugations.

1,582,843. APPARATUS FOR CRINKLING PAPER. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 20, 1924. Serial No. 733,207. 4 Claims. (Cl. 92—69.)

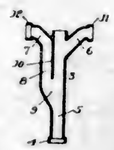


1. Apparatus for forming the herein described elastic paper comprising means for corrugating the paper longitudinally and means for creping the paper against a grooved and rib-faced doctor blade.

1,582,844. VAT COLORING MATTER. ARTHUR LUTTRINGHAUS, Mannheim, and ARTHUR WOLFRAM, Frankfort-on-the-Main, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed June 8, 1925. Serial No. 35,771. 4 Claims. (Cl. 260—61.)

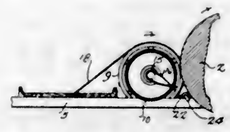
1. As a new article of manufacture, vat coloring matters derived from naphthanthraquinone which coloring matters dissolve in concentrated sulfuric acid with an olive green to green color, and are difficultly soluble in benzene, toluene and trichlorobenzene giving blue solutions exhibiting a strong red fluorescence, and which dissolve in alkaline hydrosulfite solution giving a cherry-red vat from which cotton is dyed fast violet blue shades.

1,582,845. ADJUSTABLE DRAINAGE FITTING FOR HANGING BATTERY WALL TOILETS. WILLIAM P. MCARTHUR, Los Angeles, Calif. Filed Mar. 27, 1923. Serial No. 628,126. 3 Claims. (Cl. 4—212.)



1. A drainage fitting comprising a section of a drain pipe provided with two inlets at one end thereof, said inlets being arranged on opposite sides of said pipe section, at an oblique angle thereto, and a partition between said inlets, said partition extending longitudinally from the inlet end to approximately the middle point of said pipe section, whereby drainage from one toilet is prevented from backing into the other and opposite toilet.

1,582,846. AUTOMATIC SUCTION WEB CARRIER. FRED W. MCNAMARA and EDWARD SHEAHAN, Manistique, Mich.; said McNamara assignor to said Sheahan. Filed Nov. 20, 1924. Serial No. 750,997. 12 Claims. (Cl. 92—49.)



5. Means for transferring a web from a roll comprising an apertured member rotating in the same direction as the roll and adjacent to but not touching said roll, and suction creating means inside said member adopted to draw the web from said roll to said member.

1,582,847. TREATMENT OF WASTE CINEMATOGRAPHIC FILMS. DAVID BAIRD MACDONALD, Leicester, England. Filed May 6, 1922. Serial No. 559,069. 5 Claims. (Cl. 252—1.)

1. A process for treating cinematographic and photographic films and the like for the recovery of silver and gelatine consisting in converting the silver into chloride of silver in situ by a higher chloride in the presence of hydrochloric acid, extracting the silver chloride, and then removing the gelatine.

1,582,848. ELECTROSTATIC TELEPHONE. JOSEPH MASSOLLE, Berlin-Wilmersdorf, Germany, assignor to Tri-Ergon, A.-G., Zurich, Switzerland, a Corporation of Switzerland. Filed Aug. 3, 1925. Serial No. 47,661. 8 Claims. (Cl. 179—106.)

1. An electrostatic telephone comprising a rigid capacity body and a diaphragm connected therewith constituting a movable condenser plate, the construction and arrangement of the parts being such that the distance between the said body and the said diaphragm is less at the periphery than at the centre thereof.

1,582,849. QUARTZ LAMP. KARL MENSING, Hanau-on-the-Main, Germany. Filed Aug. 24, 1921. Serial No. 494,947. 5 Claims. (Cl. 176—42.)

2. A quartz lamp comprising an electrode vessel, an element of poor heat conducting properties disposed within said vessel and spaced from the walls thereof to thereby form a mercury chamber of relatively small volume, adjacent the walls of the vessel whereby the mercury is distributed to present a large superficial area adjacent the heat transferring surface of the lamp to thereby reduce the ignition period of the lamp to from 5 to 8 minutes.

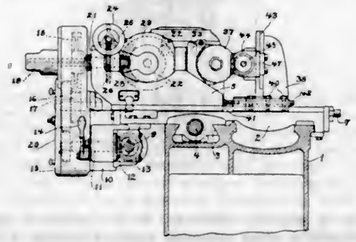
1,582,850. BUS-BAR STRUCTURE. DOUGLAS F. MINER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,531. 3 Claims. (Cl. 173—81.)

1. In combination in a circuit system, a plurality of inductively related conductors of different cross-sectional area arranged with the conductors having the least cross-sectional area disposed adjacent the region of greatest flux density of the system.

1,582,851. EFFECTING CATALYTIC REACTIONS, PARTICULARLY IN CATALYTICALLY PRODUCING HYDROCYANIC ACID. ALWIN MITTASCH and WILHELM MICHAEL, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed July 12, 1923. Serial No. 651,165. 2 Claims. (Cl. 23—151.)

1. The process of producing hydrocyanic acid catalytically which is characterized by the use, as a contact mass, of microporous grains of alumina having a vitreous surface and a transparent body.

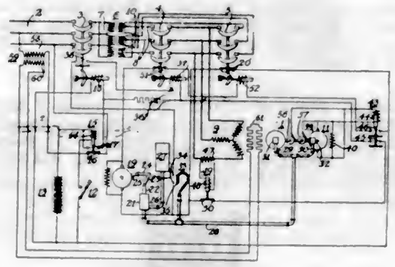
1,582,852. THREAD-MILLING ATTACHMENT. EDWARD A. MOYER, West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 24, 1923. Serial No. 670,525. 13 Claims. (Cl. 10—154.)



1. An attachment for thread milling machines for milling internal threads comprising in combination, a support adapted to be mounted on a carriage of a thread milling machine adjacent a tool supporting slide thereon,

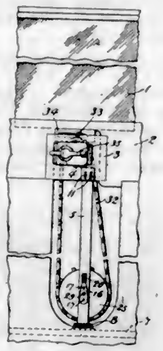
a tool spindle carried by the support, means for operatively connecting the said spindle with a tool spindle on the tool slide, and means for connecting the support to a movable part on the said machine.

1,582,853. AUTOMATIC STATION. WILLIAM L. NEWMEYER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,573. 6 Claims. (Cl. 171—312.)



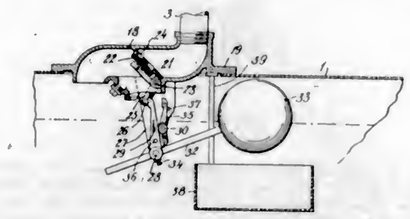
1. In an automatic electrical translating station, the combination with a rotating electrical device provided with a plurality of bearings, means for supplying lubricant to the bearings under pressure, and means for automatically starting the rotating device under predetermined conditions, of means responsive to the pressure of the lubricant in the bearings for precluding starting of the rotating device until such pressure attains a predetermined value.

1,582,854. WINDOW REGULATOR. HARRY E. NORWOOD and FREDERICK G. MAIER, New York, N. Y., assignors, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware. Filed Jan. 11, 1922. Serial No. 528,585. 9 Claims. (Cl. 268—4.)



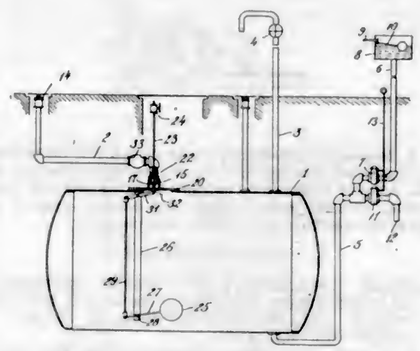
1. In a window regulator, a bar provided with a beveled end, a wheel rotatably mounted thereon, a linear member running over said wheel for transmitting motion and a supporting member provided with a slot having a curved wall adjacent said slot, said slot loosely receiving the beveled end of said bar.

1,582,855. HYDRAULIC SYSTEM FOR STORING, HANDLING, AND DELIVERING OIL. WILLIAM J. PETER, New York, N. Y. Filed Mar. 27, 1925. Serial No. 18,782. 10 Claims. (Cl. 221—67.)



5. Discharge control valve mechanism for oil tanks comprising the combination of a valve, a float, means operated by the float for closing the valve as the float rises, and other means operated by the float for closing the valve as the float sinks.

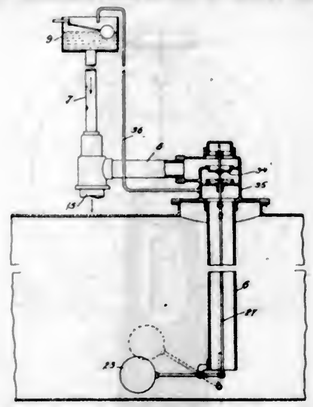
1,582,856. CHARGING MEANS FOR OIL TANKS. WILLIAM J. PETER, New York, N. Y. Filed Mar. 27, 1925. Serial No. 18,783. 2 Claims. (Cl. 221—67.)



1. In a hydraulic oil storage and delivery system in which oil is delivered through an oil discharge pipe near the top of a tank by means of water forced in near the bottom, the combination of an oil intake near the top of the tank, a water discharge near the bottom of the tank, a valve in the intake, a float near the bottom of the tank designed to float in water and sink in oil, a system of lever within the tank connecting the float and the valve so that when during filling of the tank with oil the oil level reaches the float the valve is closed and when during delivery of oil the oil level passes above the float, the float acting through a system of levers opens the valve, and a check valve in the intake preventing outflow of oil through the intake during delivery of oil.

1,582,857. AUTOMATIC WATER-DISCHARGE VALVE FOR HYDRAULIC OIL-DISPENSING SYSTEMS. WILLIAM J. PETER, New York, N. Y. Filed July 15, 1925. Serial No. 43,702. 4 Claims. (Cl. 221—67.)

2. In a hydraulic oil storage and delivery system, the combination of a tank, an oil intake, a water discharge pipe, a valve in the water pipe, and a float within the tank situated a substantial distance below the valve

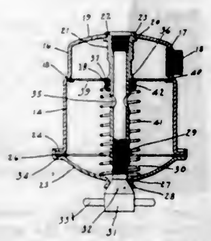


for closing the valve when the oil level reaches the float thereby preventing further discharge of water and influx of oil.

1,582,858. METHOD OF TREATING BERRIES AND THE LIKE. MILTIADES REZOS, San Francisco, Calif., assignor to Olney Preserving Co., a Copartnership consisting of William Olney and Fred Struble, Berkeley, Calif. Filed Dec. 10, 1925. Serial No. 74,624. 6 Claims. (Cl. 99—14.)

6. The process of preserving berries and the like, consisting of washing the same in a weak solution of tragacanth, packing the berries with a relatively small proportion of sugar in contact therewith, and thereafter freezing the same.

1,582,859. FILTER TRAP. NOBLE NYE SHEPHERD, Indianapolis, Ind., assignor to Indianapolis Screw Products Company, Indianapolis, Ind., a Corporation. Filed Oct. 15, 1923. Serial No. 668,589. 15 Claims. (Cl. 210—165.)

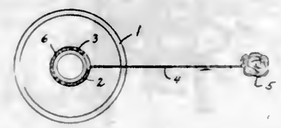


1. In a filter trap construction, the combination of a tubular body having a closed and an open end, said body having a laterally directed flange defining the open end, the closed end forming a head integral with the body and including a central opening, said body having another opening adjacent the first mentioned opening, a screen within the body, a readily removable cap for closing said open end of the body, said cap being provided with a peripherally flanged edge for receiving the flanged end of the body, and tubular means seated in the central opening and forming part of a channel from the same to the other opening said means extending thru the body for securing said body and cap together and supporting said screen.

1,582,860. PROCESS OF SEPARATING HAFNIUM AND ZIRCONIUM. ANTON EDUARD VAN ARKEL and JAN HENDRIK DE BOER, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven. Filed Aug. 5, 1924. Serial No. 730,300. 2 Claims. (Cl. 23—21.)

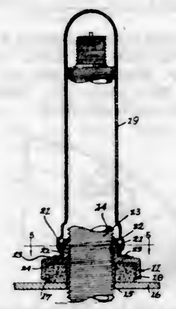
1. A process for separating a mixture of zirconium and hafnium halogenides, characterized in that at least one of the halogenides of the elements of the fifth and sixth group of the periodic system is added to the mixture, whereupon the separation of the mixture thus produced is obtained by fractional distillation.

1,582,861. CONTAINER FOR LIQUID CLEANING COMPOUNDS. FRANK E. VICKERY, Davenport, Iowa, assignor, by mesne assignments, to Gold Dust Corporation, New York, N. Y., a Corporation of New Jersey. Filed June 9, 1924. Serial No. 718,843. 2 Claims. (Cl. 41—67.1.)



2. In combination with a cylindrical receptacle, provided with a neck of reduced diameter, and closure therefor, a cleaning device, comprising a wire member, provided at one end with a swab, capable of being passed through the opening in said neck, and a ring member at the opposite end of said wire member, forming a handle therefor, capable of encircling said neck, and having an opening permitting the same to be hung over the edge of said neck.

1,582,862. DUST-CAP MEANS. CHARLES A. ZABORSKY, Cleveland, Ohio, assignor to The Simplex Cap Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 29, 1925. Serial No. 40,162. 2 Claims. (Cl. 152—12.)

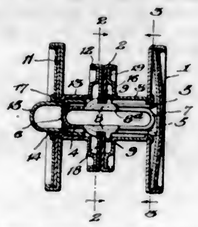


1. In combination, a first member provided with a shoulder forming the projecting portion of said member of reduced cross-section, a second member formed to surround the projecting portion of said first member, a resilient disc interposed between said shoulder and the adjacent end of said second member, and bayonet joint means formed on said members arranged to hold said members in assembled relation with said disc interposed, said disc engaging said end and said shoulder over surfaces which are unalined axially of said joint, and said members and disc being so formed that said disc is sprung from its normal position when said members are so assembled.

1,582,863. MANUFACTURE OF ARTIFICIAL SILK. DAVID GERARD ZWARTZ, Arnhem, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Filed Dec. 1, 1925. Serial No. 72,597. 2 Claims. (Cl. 18—54.)

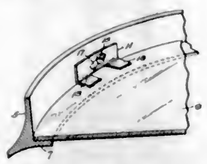
1. The improvement in the manufacture of artificial silk which consists in facilitating the keeping apart of threads of different denier by wholly or in part dyeing the artificial silk during or after the spinning with a dye which is decolorized or removed completely or substantially completely by the bleaching process or any other after-treatment.

1,582,864. SEPARABLE CUFF BUTTON. CLIFFORD G. ARMSTRONG, Meriden, Conn. Filed Aug. 6, 1925. Serial No. 48,518. 3 Claims. (Cl. 24—110.)



1. In a separable button, a male and a female member each having inner and outer heads and tubular shanks connecting the heads, a split sleeve having a closed outer end in the shank of the male member, a U-shaped spring latch member in the split of the sleeve having twisted arms with beveled noses projecting outwardly from the sleeve periphery and engageable with the inner head of the female member, fingers projecting outwardly from the arms of the latch member and engaging the inner head of the male member to restrict axial movement of the latch and a slidable sleeve loosely confined in the shank of the female member and having a shoulder and a closed outer end operable from the outer head of the female member, the inner end of the last named sleeve being engageable with the latch noses to depress same and thereby release the female member.

1,582,865. RETAINER FOR GLAZINGS AND THE LIKE. EDGAR H. BRISTOL, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1925. Serial No. 19,740. 4 Claims. (Cl. 20—56.4.)



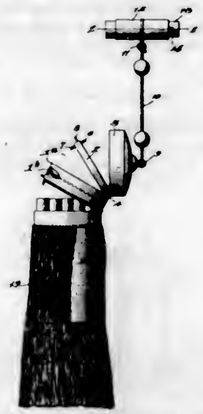
1. In combination with a bezel or frame and a glazing received therein, a retaining member comprising an extended base provided with a surface presented to the frame capable of free sliding movement thereover, a pair of angularly directed fingers at the extremities of the base to overlie the glazing and a substantially centrally located screw passing through said base and clamping it to the frame.

1,582,866. VANITY CASE. PERCY J. CALLOWHILL, Providence, R. I. Filed Feb. 9, 1925. Serial No. 8,064. 9 Claims. (Cl. 132—83.)

1. In combination with a vanity case, a carrying cord connected at one to the case, a tubular lip-stick holder connected to the opposite end of the cord, a lip-stick carrier frictionally held in the holder, said holder forming a carrying handle, a vial carrier suspended from the

case, and fringe suspended from the case in surrounding relation to the vial carrier to conceal same and to permit the carrier to be moved through the fringe to expose same.

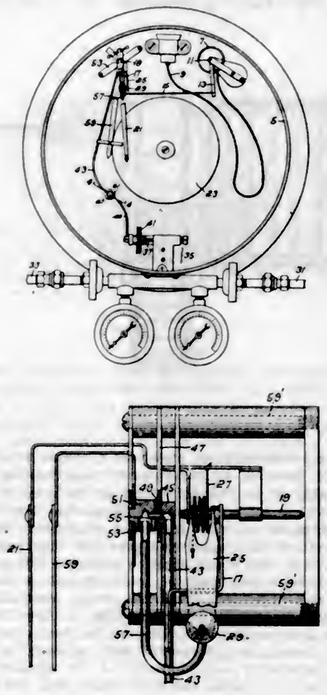
1,582,867. VANITY CASE. PERCY J. CALLOWHILL, Providence, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Filed Feb. 9, 1925. Serial No. 8,065. 4 Claims. (Cl. 132—83.)



4. In a vanity case, an elongated container, fringe secured to the container throughout the periphery thereof and at points adjacent to the container top so as to cause the part of the container below the top of the fringe to form a substantial support of substantial length for the fringe to hold same in hollow tassel-like formation, a cover for the container, located above the upper edge of the fringe and carrying means for the container.

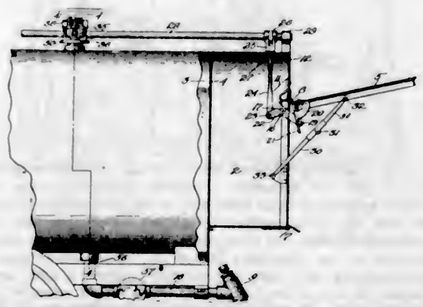
1,582,868. CONTROLLING INSTRUMENT. ARNOLD M. DIXON, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1925. Serial No. 10,430. 14 Claims. (Cl. 236—79.)

1. In combination with a pressure-fluid servo-motor means for controlling the same comprising a ported member arranged to swing about a center line, a cooperating valve member pivoted at the same center line and piping between said ported element and the servo-motor



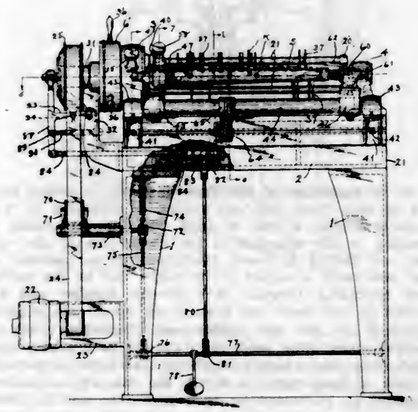
including two relatively rotatable members disposed at the center line and constituting a swivel joint, whereby swinging movement of said ported member may take place without strain on the piping.

1,582,869. TANK WAGON. FRANK R. FILTER, Watertown, Mass., assignor to Standard Oil Company of New York, New York, N. Y., a Corporation of New York. Filed June 2, 1921. Serial No. 474,488. 2 Claims. Cl. 221—67.)



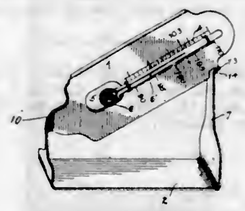
1. The combination with a tank having an outlet, a box having a door, and a valve adapted to close said outlet, of operating connections between said door and said valve including a lever in said box actuated by the door in closing to bring about the closing of the valve, a bracket moving with the door engaging with said lever in the opening movement of the door to open the valve.

1,582,870. MILLING MACHINE FOR MUSICAL-INSTRUMENT KNOBS. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Oct. 30, 1922. Serial No. 597,731. 24 Claims. (Cl. 90—16.)



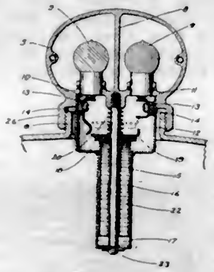
1. In a machine of the character described, the combination of a support for an instrument body, a plurality of tool shafts, a common support for said shafts at one end thereof, a second support for said shafts at the other end of the same, a central bar connecting both of said common supports, and means for selectively adjusting one of said supports.

1,582,871. THERMOMETER BACK. ANTHONY DE KROGH, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 545,988. 10 Claims. (Cl. 73—52.)



1. As an article of manufacture, a self supporting thermometer comprising a base having its opposite ends upturned to form integral standards of different height and a thermometer back carried by the standards in an inclined position over said base.

1,582,872. RADIATOR SIGNAL. ROBERT P. MCCURDY, Pittsburgh, Pa., and FREDERICK W. HOCHSTETTER, Dayton, Ohio, assignors to Joseph C. Trees, Pittsburgh, Pa. Filed May 23, 1924. Serial No. 715,409. 1 Claim. (Cl. 177—311.)



In an apparatus of the class set forth, a casing having an open front side and means for attaching it to a radiator nipple, a pair of lamp bulbs in the casing, a housing or cup attached to the under side of the casing and having a closed depending tubular member, a rod removably attached at its upper end to the casing and depending through said tubular member and attached to the lower end thereof, an inner tube slidably mounted on the rod within said depending tube, a spring surrounding said rod between said casing and said inner tube adapted to restore the parts to normal, a pair of lamp-contacts within the cup, and a contact adapted to be moved by the inner tube and to make successive contacts with the lamp-contacts as the inner tube moves upwardly, a heat-sensitive substance being enclosed within the aforesaid tubes.

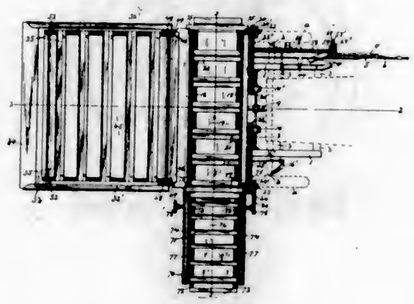
1,582,873. RAZOR STROPPER. LOOMIS N. MCFALL, Denver, Colo. Filed Dec. 7, 1925. Serial No. 73,612. 6 Claims. (Cl. 30—25.)

1. A razor blade holder comprising, in combination, a pair of concentric tubular members which have a limited rotary and longitudinal movement with respect to each other and a jaw extending radially from each member and means for locking said jaws in operative position.

1,582,874. TIRE-CHAIN COUPLER. GERARDUS G. NAUGLE, York, Pa., assignor to Carlton L. Hoff, York, Pa. Filed July 14, 1924. Serial No. 725,934. 12 Claims. (Cl. 24—241.)

1. In a chain fastener, a coupler formed of a single piece of wire rod, a link retaining member mounted thereon and resiliently held, pivoted means for holding said link retaining member in operating position.

1,582,875. SNOW PLOW AND CONVEYER. FRED M. POLHAMUS, Syracuse, N. Y., assignor of one-half to Anna B. Graham and Guy M. Polhamus, both of Syracuse, N. Y. Filed July 30, 1925. Serial No. 47,034. 8 Claims. (Cl. 37—45.)

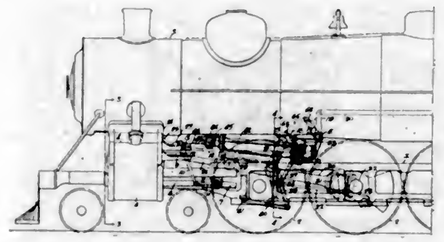


1. In a combined snow plow and conveyer attachment for motor vehicles, an attachment frame having means for securing it to the front end of the chassis frame of the vehicle so as to extend forwardly therefrom, a shaft journeled on said frame in alignment with the crank shaft of the engine and provided with means for coupling it to said crank shaft, a conveyer belt mounted on the shaft, a supplemental frame hinged to the front end of the attaching frame to swing vertically and having its front end provided with a plow blade, a conveyer belt mounted on the supplemental frame for vertical movement therewith and having an independent movement longitudinally of the frame for receiving the snow from the plow blade and discharging it on to the transversely moving conveyer, means for transmitting motion from the engine driven shaft to both of said conveyers.

1,582,876. DRAFT-PREVENTING DEVICE. EDWARD E. RICHARDSON, Maumee, Ohio, assignor of fifty-one per cent to F. O. Richey, Lakewood, Ohio. Filed Jan. 12, 1925. Serial No. 1,778. 11 Claims. (Cl. 74—81.)

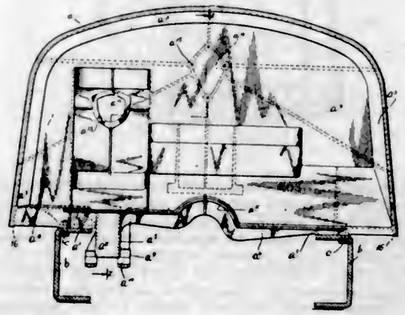
1. In a draft preventing device for an automotive pedal slot, a pair of oppositely disposed distended loops of rubber secured at their ends each to an opposite border of the slot and each tending to project across the slot to transversely close the same, and each displaced from such position by the projecting looped end of the other resiliently bearing at a side loop portion against a side loop portion of the other, the pedal shank being adapted to pass through and to be reciprocated longitudinally of the slot, both said rubber loops by their inherent resiliency tending to regain their normal undisplaced laterally projecting position being restrained therefrom in part by said interposed pedal shank.

1,582,877. VALVE GEAR FOR LOCOMOTIVES. EDWARD OAKLEY ELLIOTT, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1925. Serial No. 18,175. 6 Claims. (Cl. 121—122.)



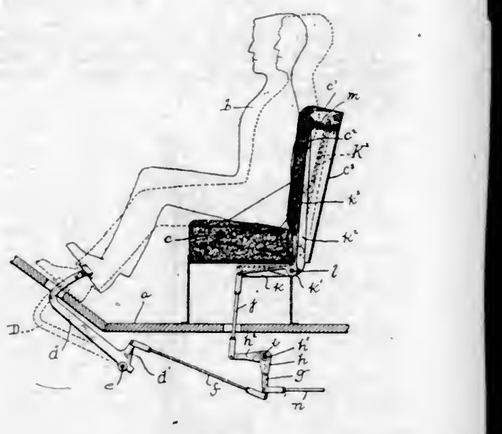
6. The combination with the cylinders and valve chests at the respective sides of a locomotive, of a third cylinder between the two side cylinders, a valve chest for the third cylinder located at one side thereof and at one side of the central vertical plane of the locomotive, a longitudinally movable valve yoke for the last said valve chest, valve gears at the sides of the locomotive for the first said valve chests, a valve gear for the third valve chest located between the first said gear and having its principal parts at or near the said central plane of the locomotive, the said gear including a centrally located longitudinally extending rod through which the resultant motion is transmitted, and an approximately horizontal transverse lever having an approximately vertical fixed pivot between its ends and at unequal distances therefrom, one end of the lever being pivotally connected with the last said rod and the other being connected with the said valve yoke.

1,582,878. VEHICLE CONSTRUCTION. ERVING R. GURNEY, Beechhurst, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 4, 1924. Serial No. 747,841. 2 Claims. (Cl. 180—90.)



1. In a motor vehicle having separated frame members, a unitary dash, bolts securing the dash rigidly with the frame, means including yielding non-metallic material to support the vehicle body element from the dash, and brake and clutch pedals mounted in the dash.

1,582,879. BRAKE MECHANISM. GABRIEL MIDBOE, Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1924. Serial No. 756,631. 7 Claims. (Cl. 74—39.)

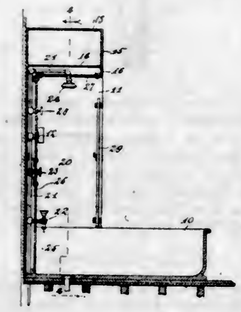


1. In a vehicle, the combination with a seat and brake actuating mechanism, of a movable back rest, a foot pedal, and operable connections between the brake mechanism and the back rest and foot pedal whereby simultaneous movement of the back rest and foot pedal actuates the brake mechanism.

1,582,880. EXPANSION JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,610. 1 Claim. (Cl. 94—18.)

A pre-molded expansion joint for concrete constructions comprising bituminous material having excelsior incorporated therein.

1,582,881. COMBINED BATHTUB AND SHOWER CLOSET. BERTHA NUSSBAUM KRAEMER, New York, N. Y. Filed Feb. 3, 1925. Serial No. 6,574. 2 Claims. (Cl. 4—146.)



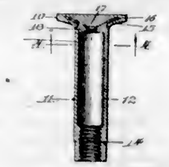
1. In combination a bath tub having upwardly projecting integral side and end wall extensions at one end thereof, extending to the ceiling of the bathroom and de-

fining a shower bath compartment and a pair of swinging doors carried by the open side of said compartment, the lower ends of said doors being approximately flush with the upper edge of the bath tub.

1,582,882. EVAPORATOR FOR REFRIGERATING APPARATUS. STUART OTTO and JACK CARL JANKUS, Scranton, Pa., assignors to Iceless Automatic Refrigerator Company, Dover, Del., a Corporation of Delaware. Filed Dec. 19, 1924. Serial No. 756,880. 12 Claims. (Cl. 62—118.)

1. An evaporator for absorption refrigerating systems, including a receiver for the liquefied refrigerant, a sump having restricted communication with the lower part of the receiver, an outlet conduit having an opening in the upper part of the receiver for withdrawing gas from the latter, and means for automatically delivering liquid from said sump to said conduit upon a drop in pressure in said receiver.

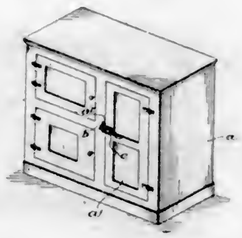
1,582,883. VALVE TAPPET AND LIKE ARTICLE. GEORGE R. RICH, Battle Creek, Mich. Filed June 8, 1925. Serial No. 35,548. 4 Claims. (Cl. 123—90.)



3. A two piece valve tappet, composed of forgeable metals and comprising a forged together disc like tappet head portion and a hollow tappet stem portion, the hollow tappet stem portion having a thin, widely flaring end part embedded in that part of the disc like head portion which protrudes beyond the side of the stem portion, and an inwardly projecting annular shoulder in intimate contact with the side of the head adjacent the stem portion.

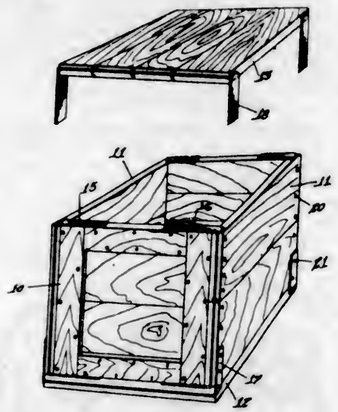
1,582,884. LATCH DEVICE FOR REFRIGERATOR AND LIKE DOORS. THOMAS O. SCHRADER, Allentown, Pa., assignor to Dent Hardware Co., Fullerton, Pa., a Corporation of Pennsylvania. Filed July 14, 1925. Serial No. 43,473. 2 Claims. (Cl. 292—332.)

1. In combination with a keeper therefor, a door latch comprising a bolt including a handle rockingly movable into and out of latching engagement with the keeper, said bolt having a right angle projection immediately below its rocking connection, and having a rotative movement about its longitudinal axis into and out of resting position, a casing within which said bolt is located, a



vertically disposed combined bolt stop and spring support carried by said casing, a longitudinally disposed spring arranged between said bolt projection and said stop and support which spring presses the bolt into said latching engagement; the bolt being movable from the support by striking the keeper.

1,582,885. REENFORCED PACKING BOX. PHILIP N. CURTIS, Worcester, Mass., assignor to Baker Box Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1924. Serial No. 738,692. 4 Claims. (Cl. 217—68.)



1. A packing box comprising ends, sides and covers, said sides and covers being each provided with separate pieces of metal banding extending crosswise in slots extending inwardly from the end edges thereof, said pieces of banding having portions projecting beyond the longitudinal edges of said sides and covers and said projecting portions over-lapping other pieces of banding adjacent the corners of said box, with certain of said projecting portions spaced from said other pieces of banding by a portion of box material, and fastening members extending through two overlapping pieces of banding at each side of each corner of said box and through the intervening box material and into a box member to firmly secure said box together, the end members being enclosed by the sides and cover.

April 6, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A C Spark Plug Company, doing business as Flint Faience Tile Company, Flint, Mich. Floor tiles made from a ceramic mixture. 211,319; Apr. 6.
A. K. Manufacturing Co. (See Sherman, Isidor.)
Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 211,099; Apr. 6; Serial No. 221,655; published Jan. 12, 1926.
Aktiebolaget Yvyfabriken, Ystad, Sweden. Alum, antiseptics, hair tonic, foot powder, etc. 211,214; Apr. 6; Serial No. 191,113; published Sept. 15, 1925.
Alexander, A. M., doing business as La Prene, Chicago, Ill. Shampoo. 211,074; Apr. 6; Serial No. 223,156; published Jan. 5, 1926.
Alexander, A. M., doing business as La Prene, Chicago, Ill. Shampoo. 211,181; Apr. 6; Serial No. 223,157; published Jan. 5, 1926.
Allen, Edgar, & Co. Limited, Sheffield, England. Steel. 53,543; renewed June 5, 1926.
Allen, Jane, Grasmere, Staten Island, assignor to F. T. Martin and J. G. and M. D. Davis, New York, N. Y. Marmalades and jam containing nuts. 211,089; Apr. 6; Serial No. 220,281; published Jan. 26, 1926.
Altman, B., & Co., New York, N. Y. Perfume. 211,271; Apr. 6; Serial No. 217,383; published Jan. 12, 1926.
Amalgamated Silk Corp., New York, N. Y. Silk, rayon, cotton, wool, and mixtures thereof. 211,295; Apr. 6.
American Broom & Brush Co., Amsterdam, N. Y. Brooms. 52,288; renewed May 8, 1926.
American Broom & Brush Co., Amsterdam, N. Y. Brooms. 52,405; renewed May 8, 1926.
American Broom & Brush Co., Amsterdam, N. Y. Brooms. 54,567; renewed June 26, 1926.
American Gear Company, Jackson, Mich. Piston pins. 211,137; Apr. 6; Serial No. 221,867; published Jan. 12, 1926.
American Hoist & Derrick Company; American Hoist & Derrick Co., St. Paul, Minn., successor. Rope clips. 50,804; renewed Apr. 3, 1926.
American Silver Company, The, Bristol, Conn. Silver hollow ware, flat ware, and tableware. 55,017; renewed Aug. 7, 1926.
American Steel Wool Mfg. Co., Inc., New York, N. Y. Steel wool. 211,345; Apr. 6.
American Stores Company, Philadelphia, Pa. Coffee, paprika, celery salt, grape jelly, etc. 211,115; Apr. 6; Serial No. 220,821; published Jan. 12, 1926.
American Stores Company, Philadelphia, Pa. Ginger ale, sarsaparilla, root beer, and grape juice. 211,142; Apr. 6; Serial No. 220,830; published Jan. 26, 1926.
American Stove Company, St. Louis, Mo. Oven heat regulators. 211,314; Apr. 6.
American Wine Company, St. Louis, Mo. Champagne wine. 28,269; renewed May 19, 1926.
American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringer. 53,741; renewed June 12, 1926.
American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Wringers. 53,742; renewed June 12, 1926.
American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers. 53,995; renewed June 19, 1926.
Amory, Browne & Co. (See Suffern, Robert A.)
Anderson, George G., New York, N. Y. Worm expeller for dogs. 211,179; Apr. 6; Serial No. 223,759; published Jan. 12, 1926.
Ansco Photoproducts, Inc., Binghamton, N. Y. Combination camera and film kits. 211,210; Apr. 6; Serial No. 224,795; published Jan. 26, 1926.
Antognoli, Joseph, Chicago, Ill. Olive oil and tomato paste. 211,135; Apr. 6; Serial No. 216,495; published Jan. 12, 1926.
Arbray Chemical Company, The. (See Phillips, Arthur M.)
Arden, Elizabeth. (See Lewis, Florence L.)
Arlington Refrigerator Co., Inc., Arlington, Vt. Refrigerators. 211,347; Apr. 6.
Arlington Refrigerator Co., Inc., Arlington, Vt. Refrigerators. 211,350; Apr. 6.
Armour and Company, Chicago, Ill. Nut margarine. 211,292; Apr. 6; Serial No. 221,531; published Jan. 12, 1926.
Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 211,151; Apr. 6; Serial No. 223,990; published Jan. 26, 1926.
Atlantic Rubber Manufacturing Corporation. (See Traun Rubber Co., assignor.)
Audubon Wire Cloth Company, Audubon, N. J. Wire cloth of steel, brass, copper, bronze, etc. 211,243; Apr. 6; Serial No. 200,602; published Jan. 5, 1926.
Ault-Williamson Shoe Company, Auburn, Me. Women's boots, shoes, and slippers. 211,280; Apr. 6; Serial No. 220,935; published Jan. 5, 1926.
B-K Feed Mills, Topeka, Kans. Chick meal. 211,217; Apr. 6; Serial No. 216,770; published Jan. 19, 1926.
Bakelite Corporation, New York, N. Y. Condensation products of phenols and formaldehyde. 211,147–8; Apr. 6; Serial Nos. 221,584–5; published Dec. 15, 1925.
Bakelite Corporation, New York, N. Y. Brushes and brush backs and handles. 211,198; Apr. 6; Serial No. 222,433; published Jan. 26, 1926.
Bakelite Corporation, New York, N. Y. Molding compositions. 211,200; Apr. 6; Serial No. 222,152; published Jan. 12, 1926.
Ballard, James F.; James F. Ballard, Inc., St. Louis, Mo., successor. Pills. 55,628; renewed Aug. 21, 1926.
Barnet Leather Co.; Barnet Leather Co., Inc., New York, N. Y., successor. Dull-black and colored calf leather. 50,603; renewed Mar. 27, 1926.
Barton, H. H., & Son Company, Philadelphia and Holmesburg, Pa. Abrasive cloth and paper. 211,297; Apr. 6.
Bauer & Co., Berlin, Germany, assignor to The Bauer Chemical Company, Inc., New York, N. Y. Dietetic albuminous preparations. 53,028; renewed May 22, 1926.
Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 211,211; Apr. 6; Serial No. 224,373; published Jan. 26, 1926.
Beadleston & Woerz, New York, N. Y. Beers. 54,097; renewed June 19, 1926.
Beck, Uriah G., Elmira, N. Y., assignor, by mesne assignments, to Goodrich Drug Company, Omaha, Nebr. Cosmetics and preparations for rendering the skin soft and smooth. 27,641; renewed Jan. 14, 1926.
Bedell Company, The, New York, N. Y. Cloaks, dress skirts, dress waists, and tailor-made suits. 55,049; renewed Aug. 7, 1926.
Beich, Paul F., Co.; Paul F. Beich Company, Bloomington, Ill. Candy. 53,761; renewed June 12, 1926.
Bell, C. S., Co., The, Hillsboro, Ohio. Hand mills for grinding grain, coffee, spices, chocolate, etc. 211,098; Apr. 6; Serial No. 224,073; published Jan. 12, 1926.
Bell, Dr., Medicine Co. (See Sutherland, E. E., Medicine Co., assignor.)
Bendeluri, Mary E., New York, N. Y. Men's and women's shoes and slippers. 211,255; Apr. 6; Serial No. 218,592; published Jan. 5, 1926.
Berkley Laboratories. (See Justin, John F.)
Berkowitz Envelope Company, Kansas City, Mo. Mailing envelopes. 211,299–300; Apr. 6.
Best-Of-All Co. (See Gottfried-Weiss.)
Best Skirt Marker Company, The, Chicago, Ill. Skirt markers. 211,317; Apr. 6.
Bickmore Gall Cure Company, assignor to The Bickmore Company, Old Town, Me. Remedies for skin and flesh wounds and diseases of animals. 28,282; renewed May 19, 1926.
Binkley, David; Charles F. Binkley, doing business as Binkley Medical Company, Nappanee, Ind., successor. Veterinary remedy. 48,437; renewed Dec. 26, 1925.
Blakey's Boot Protectors, Limited, Leeds, England. Boot protectors. 53,114; renewed May 29, 1926.
Blaw-Knox Company, Blawnox, Pa. Proportioning plants for concerete aggregates. 211,130; Apr. 6; Serial No. 214,776; published Jan. 12, 1926.
Blome, George J.; The George Blome & Son Co., Baltimore, Md., successor. Lozenges and other confections. 27,804; renewed Mar. 3, 1926.
Boehringer, Albert, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Medicine for the heart and internal organs. 211,257; Apr. 6; Serial No. 218,550; published Jan. 12, 1926.
Bogart Paper Company. (See Mazer, Joseph M.)
Bonwit Teller & Co., New York, N. Y. Perfumery. 211,193; Apr. 6; Serial No. 222,215; published Jan. 12, 1926.
Boss Washing Machine Company, The, Norwood, Ohio. Washing machines. 211,152; Apr. 6; Serial No. 199,604; published Nov. 3, 1925.
Boston Confectionery. (See Pappas, Guss.)
Bowers Rubber Co.; Pioneer Rubber Mills, San Francisco, Calif., successor. Hydraulic hose, cott on rubber lined, linen, and cotton hose. 28,078; renewed Apr. 7, 1926.
Boyer, Mary J.; W. W. Boyer & Co., Inc., Baltimore, Md., successor. Canned oysters, shrimp, lobsters, clams, and crabs. 55,922; renewed Aug. 21, 1926.
Braadland, John, Ltd., doing business as Venus Packing Co., Stavanger, Norway, and Boston, Mass. Canned fish. 211,075; Apr. 6; Serial No. 177,586; published Mar. 10, 1925.
Brainerd & Armstrong Company, The, New London, Conn., assignor to The Corticelli Silk Company, Florence, Mass. Silk threads and cords. 53,999; renewed June 19, 1926.
Breivogel, Philipp J., New York, N. Y. Transparent liquid cement. 211,172; Apr. 6; Serial No. 223,459; published Jan. 26, 1926.
Brown & Shaw, assignor to Sterling Salt Company, New York, N. Y. Salt. 53,777; renewed June 12, 1926.

Brown, Wm. Findlay, receiver. (See Graves, N. Z., Co., Inc.)
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Radio products. 211,118; Apr. 6; Serial No. 209,460; published Dec. 29, 1925.
Bucher & Gibbs Plow Company, The, Canton, Ohio. Plows and their parts. 28,006; renewed Mar. 24, 1926.
Burrows Shoe Company, Rochester, N. Y. Women's leather, canvas, rubber, and fabric boots and shoes. 211,330; Apr. 6.
Butcher, Charles F.; W. & S. Butcher Limited, Sheffield, England, successor. Razors. 28,050; renewed Mar. 31, 1926.
Byron, W. D., & Sons, Williamsport, Md.; W. D. Byron & Sons, Inc., Mercersburg, Pa., successor. Patent leather for shoes. 55,342; renewed Aug. 14, 1926.
Cadwallader-Gibson Lumber Co., Manila, P. I., and San Francisco, Calif. Domestic and foreign hardwood and softwood lumbers. 211,301–12; Apr. 6.
Campbell, Joseph, Preserve Co.; Campbell Soup Company, Camden, N. J., successor. Canned tomatoes and tomato extract. 28,162; renewed Apr. 21, 1926.
Carson Pirie Scott & Co., Chicago, Ill. Men's work shirts. 211,138; Apr. 6; Serial No. 201,886; published Jan. 12, 1926.
Chandler, George, Boston, Mass.; Cora Chandler, Brookline and Boston, Mass., successor. Corsets. 55,923; renewed Aug. 21, 1926.
Chemische Werke Lubszynski & Co., Aktiengesellschaft. (See Lubszynski & Co., assignor.)
Chesebrough Manufacturing Co. (Consolidated), New York, N. Y. Petroleum jelly and preparations thereof. 211,183; Apr. 6; Serial No. 223,081; published Jan. 12, 1926.
Chicago Bridge & Iron Works, Chicago, Ill. Steel tanks for the storage of water, oil, and the like. 211,296; Apr. 6.
Chicago Hairdressing Academy, Inc., Chicago, Ill. Cleansing, cold, and vanishing creams, etc. 211,212; Apr. 6; Serial No. 210,712; published June 16, 1925.
Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure machines and tools. 211,165; Apr. 6; Serial No. 222,108; published Jan. 12, 1926.
Chicago Solder Company, Chicago, Ill. Solder. 211,272; Apr. 6; Serial No. 216,772; published Jan. 12, 1926.
Chinatyle Corp., New York, N. Y. Soap dishes, sponge holders, towel bars, glass shelves, etc. 211,216; Apr. 6; Serial No. 216,505; published Jan. 5, 1926.
Christner, Meno, Iowa Falls, Iowa. Salve. 211,236; Apr. 6; Serial No. 213,770; published Jan. 5, 1926.
Church & Dwight Company, assignor to Church & Dwight Co., Inc., New York, N. Y. Baking soda and baking powder. 52,292; renewed May 8, 1926.
Cinelli, G., Company, Tacoma, Wash. Pepper in vinegar, pickled onions; bottle and bulk pickles, etc. 211,104; Apr. 6; Serial No. 221,238; published Jan. 12, 1926.
Cleveland Baking Powder Company, New York, N. Y., assignor to Royal Baking Powder Company, New York, N. Y., and Jersey City, N. J. Baking powder. 52,094; renewed May 22, 1926.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Edge tools. 55,115; renewed Aug. 7, 1926.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Edge tools. 55,126; renewed Aug. 7, 1926.
Cling-Surface Company, Buffalo, N. Y. Preservatives and fillers for belts. 53,307; renewed May 29, 1926.
Cohen, Dan, Co., The, Vincennes, Ind., and Covington, Ky. Shoes. 211,321; Apr. 6.
Colton, Geo. S., Elastic Web Co., Easthampton, Mass. Narrow elastic webs. 211,326; Apr. 6.
Columbia Hardware Company, The, Cleveland, Ohio. Vises and clamps. 211,268; Apr. 6; Serial No. 220,639; published Dec. 1, 1925.
Commercial Creamery Company, Spokane, Wash. Peanut butter. 211,136; Apr. 6; Serial No. 221,660; published Jan. 12, 1926.
Conron Bros. Company, New York, N. Y. Dressed poultry, butter, eggs, sausages, etc. 211,119; Apr. 6; Serial No. 212,785; published Jan. 12, 1926.
Cook County Real Estate Board, Chicago, Ill. Weekly bulletin. 211,154; Apr. 6; Serial No. 211,081; published Dec. 22, 1925.
"Corn-Off" Co., Los Angeles, Calif. Remedy for corns, calli, and bunions. 211,215; Apr. 6; Serial No. 183,197; published Aug. 19, 1924.
Corticelli Silk Company, The. (See Brainerd & Armstrong Company, assignor.)
Cream of Wheat Company, Minneapolis, Minn. Wheat breakfast food. 211,290–1; Apr. 6; Serial Nos. 221,739–40; published Jan. 12, 1926.
Credit Tire Co., The. (See Goldstein, Albert.)
Crouse-Hinds Company, Syracuse, N. Y. Pipe and conduit hangers. 211,316; Apr. 6.
Crystal-Lee, Inc., New York, N. Y. Face powder, face packs, pore cream, wave lotion, perfumes, etc. 211,091; Apr. 6; Serial No. 222,443; published Dec. 22, 1925.
Crystal Water Co. (See Land, Herbert R.)
Curtis & Marble Machine Co., Worcester, Mass. Pickers and burring machines and attachments and parts thereof. 49,945; renewed Feb. 27, 1926.
Curtis & Marble Machine Co., Worcester, Mass. Pickers and burring machines and attachments and parts thereof. 49,967; renewed Feb. 27, 1926.
Cutaway Harrow Co., The, assignor, by mesne assignments, to The Cutaway Harrow Company, Higganum, Conn. Harrows, revolving plows, cultivators, and seeders. 28,461; renewed June 23, 1926.
Davis, John G., et al. (See Allen, Jane, assignor.)
Davis, Mary D., et al. (See Allen, Jane, assignor.)
Deckard L. E., doing business as L. E. Deckard Co., Covington, Ky. Canned soup. 211,213; Apr. 6; Serial No. 210,226; published Jan. 5, 1926.
Dermatine Company Limited, The, London, England. Rubber substitutes. 50,018; renewed Feb. 27, 1926.
Dexter Yarn Company; Dexter Yarn Co., Pawtucket, R. I. Embroidery, knitting, and crocheting yarns. 56,065; renewed Aug. 21, 1926.
Diamond Metal Weather Strip Co., The, Columbus, Ohio. Weather strips. 211,315; Apr. 6.
Donahoe's Inc., Pittsburgh, Pa. Evaporated milk. 211,355; Apr. 6.
Donohue, A. J., Corporation, The, Milford, Conn. Garters. 211,087; Apr. 6; Serial No. 222,501; published Jan. 5, 1926.
Douglis Mack, Chas., Co., Inc., New York, N. Y. Coats, vests, and trousers and overcoats for men and young men. 211,311; Apr. 6.
Duke, Eugenia T., doing business as Duke Products Co., Greenville, S. C. Food product. 211,164; Apr. 6; Serial No. 222,601; published Jan. 12, 1926.
Durable Wire Rope Co., Boston, Mass. Wire rope. 49,947; renewed Feb. 27, 1926.
Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic paper. 211,208; Apr. 6; Serial No. 223,507; published Jan. 5, 1926.
Eddine Manufacturing Company, The, doing business as La-Mar Laboratories, Cleveland, Ohio. Weight-reducing or obesity-relieving soap. 211,335; Apr. 6.
Eddine Manufacturing Company, The, doing business as La-Mar Laboratories, Cleveland, Ohio. Obesity remedies and weight-reducing medicaments. 211,337; Apr. 6.
Electrovend Company, The. (See Root, William D.)
Elliot, Greene & Co. Inc., New York, N. Y. Beads, beaded bags, dress trimmings, etc. 211,201; Apr. 6; Serial No. 221,954; published Jan. 12, 1926.
Ellis, Charles W., Haberfield, Sydney, New South Wales, Australia. Metal plates for supporting the heels of footwear. 211,254; Apr. 6; Serial No. 218,691; published Jan. 5, 1926.
Emeott, Harry D., doing business as New Life Arch Pad Co., St. Paul, Minn. Arch pads. 211,111; Apr. 6; Serial No. 223,775; published Jan. 5, 1926.
Emerson, Frank, South Lawrence; Frank W. Emerson and Mabel E. Emerson, doing business as John W. Patrick, Manager, Lawrence, Mass., successors. Remedies for internal and external use. 47,714; renewed Nov. 14, 1925.
Eneglotarin Medicine Co., Inc., New York, N. Y. Medicine for the relief of dyspepsia, etc. 211,202; Apr. 6; Serial No. 221,888; published Jan. 12, 1926.
Engelhardt, Georg, Cassel-Wilhelmshohe, Germany. Preparations for the relief of cold feet and abnormal foot transpiration. 211,084; Apr. 6; Serial No. 223,118; published Dec. 29, 1925.
Enterprise Manufacturing Company, The, Akron, Ohio. Pork-rind spinners. 211,150; Apr. 6; Serial No. 223,958; published Jan. 26, 1926.
Equinox Company, Manchester, Vt. Beverages. 55,926; renewed Aug. 21, 1926.
Erd Motors Corporation, Saginaw, Mich. Internal-combustion engines and their parts. 211,101; Apr. 6; Serial No. 221,601; published Jan. 12, 1926.
Estate Stove Company, The. (See Kahn, F & L, & Bros.)
Excelsior Needle Company, assignor to The Torrington Company, Torrington, Conn. Knitting-machine needles. 54,918; renewed Aug. 7, 1926.
Faessler, J., Mfg. Co., The, Moberly, Mo. Flue expanders for stem boilers. 211,128; Apr. 6; Serial No. 214,146; published Jan. 12, 1926.
Fahys, Joseph, & Co., New York, N. Y. Watches and watchcases. 211,132; Apr. 6; Serial No. 214,953; published Sept. 8, 1925.
Fairbank, N. K., Company, The, Chicago, Ill., assignor, by mesne assignments, to The Lever Brothers Company, Portland, Me., and Cambridge, Mass. Lard and lard compounds. 49,694; renewed Feb. 13, 1926.
Fairbank, N. K., Company, The, Chicago, Ill., assignor to Gold Dust Corporation, Jersey City, N. J. Soap. 53,007; renewed May 22, 1926.
Fairbank, N. K., Company, The, Chicago, Ill., assignor to Gold Dust Corporation, Jersey City, N. J. Soap. 55,045; renewed Aug. 7, 1926.
Faultless Rubber Co., The, Akron; The Faultless Rubber Company, Ashland, Ohio. Rubber goods. 53,171; renewed May 29, 1926.
First National Laboratories, Inc., Lehighton, Pa. Medicinal preparation. 211,284; Apr. 6; Serial No. 220,118; published Jan. 5, 1926.
Fletcher-Wilson Coffee Co., Nashville, Tenn., and Atlanta, Ga. Mustard. 211,160; Apr. 6; Serial No. 222,835; published Jan. 12, 1926.
Flint Faience Tile Company. (See A C Spark Plug Company.)
Fonticello Springs Company, Inc. (See Taylor, William G., assignor.)

Forest Electric Co., Inc., Newark, N. J. Battery-testing devices. 211,288; Apr. 6; Serial No. 222,374; published Jan. 12, 1926.
Fox, H., & Co., Brooklyn, N. Y. Beverages and sirups. 211,155; Apr. 6; Serial No. 223,470; published Jan. 26, 1926.
Fox, H., & Co., Brooklyn, N. Y. Nonalcoholic maltless beverages and sirups therefor. 211,209; Apr. 6; Serial No. 223,471; published Jan. 26, 1926.
Frankel Bros., New York, N. Y. Coats, vests, trousers, and overcoats for men. 211,323; Apr. 6.
Friedman, Charles K., trustee. (See Hubert, Isaac.)
Fuller Brush Company, The, Hartford, Conn. Combs and brush cleaners. 211,241; Apr. 6; Serial No. 203,308; published Dec. 15, 1925.
Fyon & Fyon Limited, Montreal, Quebec, Canada. Javelle water. 211,278; Apr. 6; Serial No. 221,111; published Jan. 12, 1926.
Gamewell Fire-Alarm Telegraph Company, The, New York, N. Y., assignor to The Gamewell Company, Newton and Newton Upper Falls, Mass. Apparatus for fire-alarm and police signal telegraph. 55,117; renewed Aug. 7, 1926.
Georgia, James J., Waterbury, Conn. Asthma medicine, toothache, corn, cough, and cold medicine, salve, etc. 211,090; Apr. 6; Serial No. 221,891; published Dec. 22, 1925.
Gold Dust Corporation. (See Fairbank, N. K., Company, assignor.)
Goldstein, Albert, doing business as The Credit Tire Co., Oakland, Calif. Pneumatic tires and inner tubes and outer casings thereof. 211,170–1; Apr. 6; Serial Nos. 223,509–10; published Jan. 12, 1926.
Goodrich Drug Company. (See Beck, Uriah G., assignor.)
Gordon, Samuel, New York, N. Y. Pipes, cigar and cigarette holders and cases, etc. 211,248; Apr. 6; Serial No. 145,062; published Nov. 15, 1921.
Gottfried-Weiss, doing business as Best-Of-All Co., Philadelphia, Pa. Men's ready-made suits. 211,225; Apr. 6; Serial No. 207,931; published Mar. 17, 1925.
Gottschall, Amos H., assignor to P. B. Gottschall, Harrisburg, Pa. Medicine extracts and oils. 28,048; renewed Mar. 31, 1926.
Gould Coupler Co., New York and Depew, assignor to The Gould Coupler Company, New York, N. Y. Car buffers. 27,724; renewed Jan. 28, 1926.
Graves, N. Z., Co. Inc.; Wm. F. Brown, receiver for N. Z. Graves, Incorporated, Philadelphia, Pa., successor. White pigments, dry or in oil. 44,889; renewed July 25, 1925.
Graves, N. Z., Co. Inc.; Wm. F. Brown, receiver of N. Z. Graves Incorporated, Philadelphia, Pa., successor. Black paints and japans. 51,426; renewed Apr. 17, 1926.
Green, Edward E., doing business as Star Aluminum and Brass Foundry, San Francisco, Calif. Toy automobiles. 211,109; Apr. 6; Serial No. 223,710; published Jan. 26, 1926.
Green, Richard B., & Co. Ltd., Liverpool, England. Canned and tinned salmon. 53,792; renewed June 12, 1926.
Greenberg & Berson, New York, N. Y. Infants' and children's wear and accessories. 211,146; Apr. 6; Serial No. 213,173; published Sept. 29, 1925.
Greene, Edward J., Toledo, Ohio. Motor vending trucks. 211,363; Apr. 6.
Greever, J. Y., Lumber Co., Oklahoma City, Okla. Lumber and mill work. 211,153; Apr. 6; Serial No. 209,573; published Nov. 24, 1925.
Grumbacher, Max, New York, N. Y. Artists' brushes. 211,117; Apr. 6; Serial No. 189,108; published Jan. 26, 1926.
Hafner, Otto, Wandsbek, near Hamburg, Germany. Machines for making tools and tools. 211,102; Apr. 6; Serial No. 221,316; published Jan. 12, 1926.
Hallquist, Carl, doing business as Hollywood Beauty Products, Brooklyn, N. Y. Face powders. 211,367; Apr. 6.
Halstead Canning Co., Inc., Cortland, N. Y. Canned vegetables. 211,358; Apr. 6.
Hance Brothers & White, Inc., Philadelphia, Pa. Bronchial pastils. 211,234; Apr. 6; Serial No. 212,807; published Jan. 5, 1926.
Hance Brothers & White, Inc., Philadelphia, Pa. Antiseptic solution for the treatment of affections of the nose and throat and for defective hearing. 211,238; Apr. 6; Serial No. 212,806; published Jan. 5, 1926.
Harris & Tipograph, Inc., New York, N. Y. Sweatbands. 211,088; Apr. 6; Serial No. 219,965; published Dec. 29, 1925.
Hay, Eleanor S. and Edward A., executors of Henry H. Hay, deceased; The L. F. Medicine Company, Portland, Me., successor. Vegetable bitters. 51,931; renewed Apr. 24, 1926.
Heger Products Company, St. Paul, Minn. Dog, cat, and fox biscuits. 211,224; Apr. 6; Serial No. 214,415; published Jan. 12, 1926.
Held, Roy J., doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill. Water-softening apparatus. 211,346; Apr. 6.
Hepton Bros.; Hepton Brothers, Limited, Leeds, England, successor. Waterproof fabrics. 26,811; renewed July 16, 1925.
Herendeen Manufacturing Co., The, Geneva, N. Y., assignor to United States Radiator Corporation, Detroit, Mich. Steam and hot water heaters and parts thereof. 51,497; renewed Apr. 17, 1926.
Herold-Bertsch Shoe Company, The, Grand Rapids, Mich. Shoes. 211,289; Apr. 6; Serial No. 221,962; published Jan. 19, 1926.
Herrick, Josephine P., Cleveland, Ohio. Cooking tongs. 211,269; Apr. 6; Serial No. 219,483; published Jan. 26, 1926.
Herriline Rosette Mfg. Co., Marianna, Fla. Compound for the treatment of diseases of female organ. 211,279; Apr. 6; Serial No. 221,063; published Jan. 5, 1926.
Hess & Clark, Dr.; Dr. Hess & Clark, Inc., Ashland, Ohio, successor. Poultry medicine. 55,752; renewed Aug. 21, 1926.
Higgins, Claude, Delavan, Wis. Toy vehicles. 211,166; Apr. 6; Serial No. 221,898; published Jan. 19, 1926.
Hill and Loper Company, Incorporated, The, Danbury, Conn. Felt hats. 211,328; Apr. 6.
Hobe Button Co. Inc. New York, N. Y. Buttons not of precious metal. 211,327; Apr. 6.
Hollywood Beauty Products. (See Hallquist, Carl.)
Horsman, E. I., Co. Inc., New York, N. Y. Dolls. 211,149; Apr. 6; Serial No. 223,918; published Jan. 26, 1926.
Horton Manufacturing Company, The, Bristol, Conn. Fishing rods. 52,756; renewed May 15, 1926.
Horton Mfg. Co., The; The Horton Manufacturing Company, Bristol, Conn. Steel fishing rods. 50,916; renewed Apr. 3, 1926.
Huber, Emma K., et al., executrices and trustees. (See Kegeler, Henry C.)
Huber, Isaac; Rachel Hubert, Pauline H. Roemer, Merton Hubert, Arthur Hubert, and Charles K. Friedman, trustee for Malvina Hubert, doing business as Prof. I. Hubert, Toledo, Ohio, successors. Facial creams. 54,992; renewed Aug. 7, 1926.
Hudnut's, R., Pharmacy, assignor to Richard Hudnut, New York, N. Y. Soap. 52,080; renewed May 1, 1926.
Hudnut's, R., Pharmacy, assignor to Richard Hudnut, New York, N. Y. Toilet powder and sachet powder. 52,160; renewed May 1, 1926.
Hungerford, U. T., Brass & Copper Co., New York, N. Y. Brass pipe fittings. 55,139; renewed Aug. 7, 1926.
Hyland, Richard C., doing business as Hyland Bag Company, San Francisco, Calif. Twine. 211,116; Apr. 6; Serial No. 220,779; published Dec. 15, 1925.
Ideal Curler Co. (See McClaire, Katherine.)
Imogene's Food Products Comp'y. (See Michael, Teresa O.)
Isbell-Kent-Oakes Dry Goods Company, The, Denver, Colo. Narrow elastic and ribbon. 211,218; Apr. 6; Serial No. 216,046; published Jan. 5, 1926.
Jackson Brewing Company, New Orleans, La. Beverage sold as a soft drink and sirups for making the same. 211,157; Apr. 6; Serial No. 223,387; published Jan. 26, 1926.
Jaggers, Stanley, doing business as Stanley Jaggers & Co.; Hodgenville, Ky. Smoking and chewing tobacco. 211,129; Apr. 6; Serial No. 214,550; published Jan. 19, 1926.
Jennings Company, Greenport, N. Y. Dentifrice. 47,802; renewed Nov. 21, 1925.
Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 211,176; Apr. 6; Serial No. 224,096; published Jan. 26, 1926.
Johnson, O. Dorothy R., Cleveland, Ohio. Hair grower, facial cream, and face powder. 211,220; Apr. 6; Serial No. 215,983; published Aug. 4, 1925.
Jordan Marsh Company, Boston, Mass. Mattresses. 211,207; Apr. 6; Serial No. 223,514; published Jan. 12, 1926.
Justin, John F., doing business as Berkley Laboratories, Weehawken, N. J. Medicinal preparation used as a blood-pressure reducer. 211,124; Apr. 6; Serial No. 219,395; published Nov. 10, 1925.
Kade's, Dr., Medizinisch-Pharmazeutisches Fabrikations- & Exportgeschäft Dr. Franz Lutze, Berlin, Germany. Preparation for the treatment of piles. 211,256; Apr. 6; Serial No. 218,560; published Jan. 5, 1926.
Kahn, F. & L., & Bros.; The Estate Stove Company, Hamilton, Ohio, successor. Stoves and furnaces. 52,330; renewed May 8, 1926.
Kampfenkel, Fritz, Berlin, Germany. Liniment for horses. 211,282; Apr. 6; Serial No. 220,237; published Jan. 5, 1926.
Kegeler, Henry C., New York; Emma K. Huber and Lydia Kegeler, executrices and trustees of Doris Kegeler, deceased, Mount Vernon, N. Y., successors. Baking powder. 27,957; renewed Mar. 17, 1926.
Kegeler, Lydia, et al, executrix and trustee. (See Kegeler, Henry C.)
Keith, Geo. E., Company, Brockton, Mass. Leather and canvas boots and shoes. 55,152; renewed Aug. 7, 1926.
Kelly, Harold E., Portland, Oreg. Deodorizing and healing talcum powder. 211,182; Apr. 6; Serial No. 223,095; published Jan. 12, 1926.
Kelly, Weber & Company, Ltd., Lake Charles, Oakdale, and Leesville, La. Fertilizers. 211,331; Apr. 6.
Kent, Chester, & Co., assignor to Chester Kent & Co., Inc., Detroit, Mich. Laxatives. 47,267; renewed Oct. 31, 1925.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 211,206; Apr. 6; Serial No. 223,523; published Jan. 5, 1926.
Keyes Daren Mills Limited, Dartford, England. Bread and wheat germ flour and mixed flour containing wheat germs. 211,276; Apr. 6; Serial No. 203,957; published Jan. 19, 1926.
Kibbe Brothers Company, Springfield, Mass. Assorted chocolates. 211,349; Apr. 6.
Kibbe Brothers Company, Springfield, Mass. Gum drops. 211,354; Apr. 6.
Kirsch, H., & Co., Brooklyn, N. Y. Maltless beverages sold as soft drinks and sirups for making the same. 211,298; Apr. 6.
Klaiber, Carl, Zurich, Switzerland. Safety knives for skinning animals. 211,122; Apr. 6; Serial No. 219,671; published Jan. 12, 1926.
Kleinert, I. B., Rubber Co.; I. B. Kleinert Rubber Company, New York, N. Y., successor. Dress shields. 55,482; renewed Aug. 14, 1926.
Kokomo Automotive Mfg. Co., Kokomo, Ind. Shock absorbers and ventilators for automobiles. 211,131; Apr. 6; Serial No. 214,873; published Aug. 11, 1925.
Koolfast Radiator Company, Toledo, Ohio. Automobile radiators. 211,304; Apr. 6.
Krank, A. J., Manufacturing Co., St. Paul, Minn. Face powder, cold cream, etc. 211,105; Apr. 6; Serial No. 173,430; published Dec. 30, 1924.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Vanillin coumarin compound—food-flavoring compound. 211,360; Apr. 6.
L. F. Medicine Company, The. (See Hay, Eleanor S. and E. A., executors.)
Lactein Co., The, San Francisco, Calif. Poultry, hog, and cattle food. 211,309; Apr. 6.
La-Mar Laboratories. (See Eddine Manufacturing Company.)
Land, Herbert R., doing business as Crystal Water Co., Los Angeles, Calif. Beverages sold as soft drinks. 211,159; Apr. 6; Serial No. 223,176; published Jan. 26, 1926.
Lanvette Fashions Inc., New York, N. Y. Ladies' dresses, coats, and ensemble suits. 211,253; Apr. 6; Serial No. 219,249; published Nov. 24, 1925.
La Prene. (See Alexander, A. M.)
Laufe, H. Charles, doing business as Stay-Tight Co., New York, N. Y. Combs. 211,265; Apr. 6; Serial No. 220,308; published Jan. 12, 1926.
La Valliere Co., The, New Orleans, La. Face powders and creams, perfumes, hair oils, etc. 211,262; Apr. 6; Serial No. 217,469; published Jan. 5, 1926.
Lee, John H., Rosedale Station, Kansas City, Kans. Laxative tonic. 211,169; Apr. 6; Serial No. 223,529; published Jan. 12, 1926.
Leghorn Preserving Co., Inc., Brooklyn, N. Y. Glacé fruit, fancy grapefruit peel, pineapple cores, and cherry pieces. 211,163; Apr. 6; Serial No. 222,684; published Jan. 5, 1926.
Lever Brothers Company. (See Fairbank, N. K., Company, assignor.)
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Face creams, hair pomades, rouge, etc. 211,192; Apr. 6; Serial No. 222,328; published Jan. 5, 1926.
Lightfoot Schultz Company, Hoboken, N. J. Shaving creams. 211,338; Apr. 6.
Link-Belt Company, Chicago, Ill. Chains. 211,222; Apr. 6; Serial No. 213,792; published Jan. 5, 1926.
Little Corporal Co., The, Chicago, Ill. Abdominal belts. 211,156; Apr. 6; Serial No. 223,394; published Jan. 5, 1926.
Littlefield & Steere Co., Knoxville, Tenn. Candy. 55,390; renewed Aug. 14, 1926.
Louisville Refrigerator Corporation, Louisville, Ky. Refrigerators. 211,175; Apr. 6; Serial No. 224,144; published Jan. 26, 1926.
Lubszynski & Co., Berlin, assignor to Chemische Werke Lubszynski & Co. Aktiengesellschaft, Berlin-Lichtenberg, Germany. Polishing compound for metal goods. 27,061; renewed Sept. 10, 1925.
Luitweiler Pumping Engine Co., Rochester, N. Y. Pumps and pump parts. 211,229; Apr. 6; Serial No. 205,277; published Mar. 31, 1925.
Lunkenheimer Company, The, Cincinnati, Ohio. Grease cups. 49,887; renewed Feb. 20, 1926.
Lunkenheimer Company, The, Cincinnati, Ohio. Grease cups. 50,453; renewed Mar. 20, 1926.
Lunkenheimer Company, The, Cincinnati, Ohio. Oil cups. 50,595; renewed Mar. 27, 1926.
Lunkenheimer Company, The, Cincinnati, Ohio. Grease cups. 52,335; renewed May 8, 1926.
Lunkenheimer Company, The, Cincinnati, Ohio. Blow-off valves. 52,336; renewed May 8, 1926.
Macy, R. H., & Co., Inc., New York, N. Y. Paper patterns. 211,107; Apr. 6; Serial No. 223,648; published Jan. 5, 1926.
Macy, R. H., & Co., Inc., New York, N. Y. Men's suits. 211,322; Apr. 6.
Madame Paul Sabatier, Paris, France. Dressings for external use for affections of the skin, abscesses, rheumatism, etc. 211,167; Apr. 6; Serial No. 223,662; published Jan. 12, 1926.
Magee Furnace Co., assignor to Magee Furnace Company, Boston, Mass. Stoves, ranges, furnaces, heaters, and parts thereof. 49,717; renewed Feb. 13, 1926.
Main Belting Company, Philadelphia, Pa. Machine belting. 51,471; renewed Apr. 17, 1926.
Manning, Bowman & Co., Meriden, Conn. Lunch boxes, vacuum bottles, vacuum food jars, etc. 211,139; Apr. 6; Serial No. 206,179; published Jan. 19, 1926.
Manning, Bowman & Co., Meriden, Conn. Bread trays, cake baskets, casserole frames, etc. 211,230; Apr. 6; Serial No. 206,181; published Jan. 12, 1926.
Marbleloid Company, The, New Durham, N. J.; The Marbleloid Company, New York, N. Y. Artificial marble. 53,485; renewed Aug. 14, 1926.
Marshall Field & Company, Chicago, Ill. Women's and misses' hats. 211,094; Apr. 6; Serial No. 223,700; published Jan. 5, 1926.
Marshall Field & Company, Chicago, Ill. Galatea-cloth piece goods. 211,357; Apr. 6.
Martin, Ferrier T., et al. (See Allen, Jane, assignor.)
Maydale Company. (See Saurer, Harold D.)
Mazer, Joseph M., doing business as Bogart Paper Company, Brooklyn, N. Y. Devices suitable for the holding of paper. 211,318; Apr. 6.
McClaire, Katherine, doing business as Ideal Curler Co., Not Inc., Chicago, Ill. Hair curlers. 211,240; Apr. 6; Serial No. 203,478; published Jan. 5, 1926.
McNamara Bros., Whiting, Ind. Sauce. 211,100; Apr. 6; Serial No. 221,628; published Jan. 12, 1926.
Merriam, H. W., Shoe Company, The, Newton, N. J. Leather shoes. 211,287; Apr. 6; Serial No. 222,472; published Jan. 19, 1926.
Metaline Company, The. (See North American Metaline Co., assignor.)
Meyer, John F., & Sons Milling Co., St. Louis and Springfield, assignor to The Meyer Milling Company, St. Louis, Mo. Wheat flour. 51,794–5; renewed Apr. 24, 1926.
Meyer, John F., & Sons Milling Company, St. Louis and Springfield, assignor to The Meyer Milling Company, St. Louis, Mo. Wheat flour. 54,516; renewed June 26, 1926.
Michael, Teresa O., doing business as Imogene's Food Products Comp'y, Canton, Ohio. Sweet-pepper relish. 211,162; Apr. 6; Serial No. 222,695; published Jan. 12, 1926.
Michigan Wire Goods Company. (See Reddick, William A., assignor.)
Miles, Carroll C., doing business as C. C. Miles, Lancaster, Mass. Blank books, albums, portfolios, etc. 211,125; Apr. 6; Serial No. 217,681; published Dec. 29, 1925.
Mirror, The. (See Morgenthau, Mengo L., assignor.)
Moore, Edward J., Sons, Inc., doing business as Rockland Pharmacal Co., Long Island City, N. Y. Preparations for a prophylactic treatment for the prevention of venereal diseases. 211,177; Apr. 6; Serial No. 223,858; published Jan. 12, 1926.
Moran Flexible Joint Co., Louisville, Ky. Pipe joints. 55,396; renewed Aug. 14, 1926.
Morgenthau, Mengo L., assignor to The Mirror, New York, N. Y. Candies, bonbons, and chocolate creams. 55,397; renewed Aug. 14, 1926.
Mornanite Laboratories, The, Brooklyn, N. Y. Dentifrices. 211,227; Apr. 6; Serial No. 207,025; published Nov. 10, 1925.
Mueller, Carl C. (See Peerless Manufacturing Co.)
Mumm, A. G., & Co., Buffalo, N. Y. Wart remedy. 211,168; Apr. 6; Serial No. 223,535; published Jan. 12, 1926.
Murphy-Gorman Company, Danbury, Conn. Men's soft felt hats, stiff felt hats, and velour hats. 211,267; Apr. 6; Serial No. 220,667; published Jan. 19, 1926.
National Machinery Co., The, Tiffin, Ohio. Machines for heading bolts and rivets. 211,324; Apr. 6.
National Malleable Castings Company, The, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Vertical-plane car couplings. 50,952; renewed Apr. 3, 1926.
National Malleable Castings Company, The, Cleveland, Ohio, and Indianapolis, Ind., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 53,103; renewed May 29, 1926.
National Malleable Castings Company, The, Cleveland and Toledo, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 53,558; renewed June 5, 1926.
National Malleable Castings Company, The, Cleveland, Ohio, and Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway-car castings. 53,559; renewed June 5, 1926.
National Remedy Company, Inc., New York, N. Y. Preparations for the diseases of the throat and lungs, etc. 211,189; Apr. 6; Serial No. 222,475; published Jan. 5, 1926.
Nazareth Waist Co., Reading, Pa., and New York, N. Y.; Nazareth Waist Co., Nazareth, Pa. Children's underwaists. 51,328; renewed Apr. 10, 1926.
Nemec, Robert, doing business as Progress Malt Extract Co., Chicago, Ill. Malt extract. 211,121; Apr. 6; Serial No. 219,904; published Jan. 12, 1926.
New Life Arch Pad Co. (See Emeott, Harry D.)
New York Merchandise Company, New York, N. Y. Infants' nursing nipples and pacifiers. 211,258; Apr. 6; Serial No. 218,498; published Sept. 15, 1925.

New York Merchandise Company, assignor to New York Merchandise Company, New York, N. Y. Ribbon. 55,121; renewed Aug. 7, 1926.
Nielsen Radiator Cement Co., Spencer, Iowa. Radiator and boiler cement. 211,366; Apr. 6.
Nigri, Antonio, West Hoboken, N. J. Hair-treating preparation. 211,237; Apr. 6; Serial No. 211,606; published Jan. 12, 1926.
Nitrate Agencies Company, New York, N. Y. Fertilizer. 211,188; Apr. 6; Serial No. 222,476; published Jan. 5, 1926.
North American Metaline Co., assignor to The Metaline Company, Long Island City, N. Y. Metal bearings, bushings, and journals. 51,247; renewed Apr. 10, 1926.
Nuhring, Charles, Cincinnati, Ohio. Machinery packing. 52,983; renewed May 22, 1926.
O'Brien, John E., doing business as Thermopak Company, Brooklyn, N. Y. Heat-insulating containers or receptacles. 211,145; Apr. 6; Serial No. 212,287; published June 16, 1925.
O'Connor, Elizabeth, Springville, N. Y. Salve. 211,078; Apr. 6; Serial No. 215,650; published Dec. 22, 1925.
Olavarria & Co., Inc., New York, N. Y. Sugar. 211,356; Apr. 6.
Oregon Fan Belt Manufacturing Company, Portland, Oreg. Fan belts for internal-combustion engines. 211,364; Apr. 6.
Owl Drug Company, The, San Francisco, Calif. Dyspepsia tablets. 211,180; Apr. 6; Serial No. 223,738; published Jan. 12, 1926.
P. & M. Company, Chicago, Ill. Rail anchors or anti-creepers. 211,329; Apr. 6.
Pacific Foundry Company, San Francisco, Calif. Metal castings. 211,174; Apr. 6; Serial No. 224,347; published Jan. 26, 1926.
Pappas, Guss, doing business as Boston Confectionery, Perth Amboy, N. J. Ice cream. 211,123; Apr. 6; Serial No. 218,371; published Jan. 12, 1926.
Para Rubber Co., Newark, N. J. Rubberized shower curtain. 211,308; Apr. 6.
Parisi Bros., Mount Vernon, N. Y. Canned peas and beans, olive oil, canned corn and tomatoes, etc. 211,106; Apr. 6; Serial No. 215,943; published Jan. 12, 1926.
Patrick, John W., Manager. (See Emerson, Frank.)
Patterson, S. J., Company, The, Dayton, Ohio. Coal. 211,352; Apr. 6.
Pedox Produx Inc., New York, N. Y. Men's and women's boots, shoes, and slippers, shoe heels, and hosiery, top lifts, etc. 211,080; Apr. 6; Serial No. 217,291; published Jan. 5, 1926.
Peerless Manufacturing Co., The; Carl C. Mueller, doing business as The Peerless Manufacturing Co., Washington, D. C., successor. Chewing gum. 28,393; renewed June 16, 1926.
Pepper, Dr. Co., The; The Dr. Pepper Co., Dallas, Tex., successor. Aerated tonic beverages and sirups for the same. 50,668; renewed Mar. 27, 1926.
Permite Piston Co., Cincinnati, Ohio. Pistons. 211,097; Apr. 6; Serial No. 224,041; published Jan. 12, 1926.
Peroxide Manufacturing & Specialty Co., San Francisco, Calif. Peroxide of hydrogen, sheep dip, and disinfectant. 211,344; Apr. 6.
Perry's Home Made Pound Cake and Fruit Cake Company, Roanoke, Va. Fruit cake and pound cake. 211,307; Apr. 6.
Persky, Joseph, doing business as The Roosevelt Sport Coat Mills, Worcester, Mass. Knitted sport coats or sweaters and bathing suits, infants' sacks, bootees, and bonnets. 211,348; Apr. 6.
Peshastin Fruit Growers Association, Peshastin, Wash. Fresh apples. 211,231; Apr. 6 Serial No. 203,486; published Feb. 17, 1925.
Petrie, James R., San Francisco, Calif. Piston rings. 211,362; Apr. 6.
Phillips, Arthur M., doing business as The Arbray Chemical Company, Canton, Ohio. Ink eraser or eradicator. 211,083; Apr. 6; Serial No. 222,796; published Dec. 22, 1925.
Piccadilly Tizz Co. (See Wagner, Charles F.)
Pioneer Rubber Mills. (See Bowers Rubber Co.)
Pioneer Suspender Company, Philadelphia, Pa. Suspenders. 52,371; renewed May 8, 1926.
Placentia Orange Growers Association, Fullerton, Calif. Fresh citrous fruits—namely, oranges, lemons, grapefruit. 211,127; Apr. 6; Serial No. 213,798; published June 23, 1925.
Plant Bros. & Co., Portland, Me. Shoes. 211,270; Apr. 6; Serial No. 218,930; published Jan. 19, 1926.
Pollock, Wm., Milling & Elevator Co., Mexico, Mo. Corn meal. 211,260; Apr. 6; Serial No. 217,897; published Jan. 12, 1926.
Porritt, Joseph, & Sons Limited, Manchester and Helmshore, near Manchester, England. Cotton driers for paper makers. 211,219; Apr. 6; Serial No. 216,358; published Dec. 15, 1925.
Portland Packing Company, Portland, Me. Canned corn. 53,791; renewed June 12, 1926.
Portland Packing Co., Portland, Me. Canned lobsters, mackerel, clams, and clam chowder. 54,176; renewed June 19, 1926.
Pray, Dr. J. Parker, Company, Limited, assignor to J. Parker Pray, Inc., New York, N. Y. Finger-nail polish. 54,273; renewed June 26, 1926.
Price Baking Powder Company, Chicago, Ill., assignor to Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Baking powder. 52,734; renewed May 15, 1926.
Progress Bedding Co., Detroit, Mich. Mattresses, pillows, and bed springs. 211,226; Apr. 6; Serial No. 206,688; published Dec. 22, 1925.
Progress Malt Extract Co. (See Nemec, Robert.)
Pro-phy-lac-tic Brush Company, Northampton, Mass. Brushes. 211,108; Apr. 6; Serial No. 223,656; published Jan. 26, 1926.
Purity Bakeries Corporation, New York, N. Y.; Minneapolis, St. Paul, and Duluth, Minn.; Detroit, Jackson, Flint, and Battle Creek Mich.; St. Louis, Kansas City, Springfield, and Sedalia, Mo.; Indianapolis, Ind.; Cincinnati, Columbus, Hamilton, Toledo, and Akron, Ohio; Newark, N. J.; Decatur, Ill.; Burlington, Iowa; Muskogee, Okla.; and Wichita Falls, Tex. Bread, doughnuts, and toast. 211,223; Apr. 6; Serial No. 214,338; published Jan. 12, 1926.
Ransom, D., Son and Company, Buffalo, N. Y. Ointment. 51,518; renewed Apr. 17, 1926.
Ransom, D., Son and Company, Buffalo, N. Y. Liniment. 51,519; renewed Apr. 17 1926.
Ransom, D., Son and Company, Buffalo, N. Y. Internal and external remedy. 51,925; renewed Apr. 24, 1926.
Rapid Addressing Machine Company, New York, N. Y. Chemical composition for obliterating characters in paper stencils. 211,191; Apr. 6; Serial No. 222,406; published Jan. 12, 1926.
Rapid Addressing Machine Company, New York, N. Y. Addressing machines. 211,199; Apr. 6; Serial No. 222,400; published Jan. 12, 1926.
Reddick, William A., assignor, by mesne assignments, to Michigan Wire Goods Company, Niles, Mich. Animal traps. 53,641; renewed June 5, 1926.
Reeve, Robert F., Newark, N. J. Patches for pneumatic tires and tubes. 211,283; Apr. 6; Serial No. 220,140; published Jan. 19, 1926.
Regal Rubber Company, The, now by change of name the Serton Rubber Company, Dayton, Ohio. Soles for shoes. 211,228; Apr. 6; Serial No. 211,124; published May 19, 1925.
Reliable Knitting Works, Milwaukee, Wis. Knitted caps. 211,320; Apr. 6.
Remiller Co., The, New York, N. Y. Rouge. 211,336; Apr. 6.
Remiller Co., The, New York, N. Y. Talcum powder. 211,339–41; Apr. 6.
Reuter-Lorenzen, P., Detroit, Mich. Plastic compound for coating brick and tiles, fireplaces, and mantels. 211,144; Apr. 6; Serial No. 212,149; published Oct. 20, 1925.
Rice's, Bernard, Sons, assignor to Bernard Rice's Sons, Inc., New York, N. Y. Silver-plated hollow ware. 55,248; renewed Aug. 7, 1926.
Rockland Pharmacal Co. (See Moore, Edward J., Sons, Inc.)
Rockwood Hosiery Company. (See Sacks, Harry M.)
Roemer, Pauline H. (See Hubert, Isaac.)
Rogers, Wm. A., Limited, New York, N. Y.; Wm. A. Rogers Limited, Toronto, Canada, and Niagara Falls, N. Y. Silver-plated flatware, hollow ware, and tableware. 48,493; renewed Jan. 2, 1926.
Roosevelt Sport Coat Mills, The. (See Persky, Joseph.)
Root, William D., doing business as The Electrovend Company, Cleveland, Ohio. Popcorn and peanut vending machines. 211,112–14; Apr. 6; Serial Nos. 183,856–8; published Jan. 12, 1926.
Rostand Manufacturing Company, The, Milford, Conn. Andirons and door knockers. 211,313; Apr. 6.
Rothschild Brothers Hat Company, St. Louis, Mo. Gloves constructed of leather, cotton fabric, wool, and combinations of leather and cotton fabric. 211,334; Apr. 6.
Roy, B. S., & Son Co., Worcester, Mass. Grinders for textile cards, calender rolls for paper mills, etc. 211,120; Apr. 6; Serial No. 220,575; published Jan. 12, 1926.
Royal Baking Powder Company. (See Cleveland Baking Powder Company, assignor.)
Royal Baking Powder Company. (See Price Baking Powder Company, assignor.)
Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Flavoring extracts. 53,209; renewed May 29, 1926.
Royal Baking Powder Company, New York, N. Y.; Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y. Cream of tartar. 54,120; renewed June 19, 1926.
Sacks, Harry M., doing business as Rockwood Hosiery Company, Philadelphia, Pa. Hosiery. 211,332; Apr. 6.
Sadler, F. H., Co., The; The F. H. Sadler Co., Attleboro, Mass., successor. Gold-plated rings. 49,496; renewed Feb. 6, 1926.
Safe-Home Laboratory Co., Toledo, Ohio. Dry-cleaner solvents, not including soap. 211,333; Apr. 6.
St. Jacobs Oil Company, The, Wilmington, Del. Medicine for the throat and chest. 211,194–5; Apr. 6. Serial Nos. 222,200–1; published Jan. 12, 1926.
San Francisco Association for The Blind, San Francisco, Calif. Reed and rattan furniture. 211,221; Apr. 6. Serial No. 215,272; published Jan. 12, 1926.
Saturn Mfg. Co. (See Urbanski, Louis J.)

Sauer, Harold D., doing business as Maydale Company, Normal, Ill. Face powders and creams, skin lotions, hair oils, etc. 211,203; Apr. 6; Serial No. 221,776; published Jan. 5, 1926.

Savas, Alex, Milwaukee, Wis. Eye lotion and salve 211,277; Apr. 6; Serial No. 221,207; published Jan. 5, 1926.

Saxony Mills, St. Louis, Mo. Wheat flour. 211,266; Apr. 6; Serial No. 220,922; published Jan. 19, 1926.

Scaife, Wm. B., & Sons Company, Pittsburgh, Pa. Machinery for purifying and softening water. 211,264; Apr. 6; Serial No. 221,384; published Jan. 26, 1926.

Schaefer, Lenora L., Chicago, Ill. Massage cream, face powder, hair tonic, etc. 211,079; Apr. 6; Serial No. 216,483; published Jan. 5, 1926.

Schlotter, J. G., & Co., Indianapolis, Ind. Fresh apples and peaches. 211,082; Apr. 6; Serial No. 222,636; published Dec. 15, 1925.

Schmidt, Geo. A., assignor to Geo. A. Schmidt & Co., Chicago, Ill. Soap. 50,695; renewed Mar. 27, 1926.

Schmidt, Geo. A., Co., assignor to Geo. A. Schmidt & Co., Chicago, Ill. Toilet soap. 53,341; renewed May 29, 1926.

Schmidt, Geo. A., Co., assignor to Geo. A. Schmidt & Co., Chicago, Ill. Soap. 53,976; renewed June 19, 1926.

Schoenhut, A., Company, The, Philadelphia, Pa. Quoits. 211,095; Apr. 6; Serial No. 223,337; published Jan. 5, 1926.

Scholl Manufacturing Company, Inc., now by change of name The Scholl Mfg. Co., Inc., Chicago, Ill. Metatarsal pads and ankle supports. 211,204; Apr. 6; Serial No. 223,552; published Jan. 5, 1926.

Scholl Manufacturing Company, Inc., now by change of name The Scholl Mfg. Co., Inc., Chicago, Ill. Arch supports. 211,205; Apr. 6; Serial No. 223,551; published Jan. 5, 1926.

Scholl Manufacturing Company, Inc., now by change of name The School Mfg. Co., Inc., Chicago, Ill. Boots, shoes, and slippers. 211,275; Apr. 6; Serial No. 206,087; published Jan. 19, 1926.

Schollhorn, Wm., Co., The, New Haven, Conn. Ice picks and ice shavers. 211,141; Apr. 6; Serial No. 220,880; published Jan. 12, 1926.

Schott, J. J., Drug Co. Inc., Galveston, Tex. Cough medicine. 211,353; Apr. 6.

Scudders-Gale Grocers Company, The, St. Louis, Mo. Canned fruit and vegetables. 48,465; renewed Jan. 2, 1926.

Seely, Frank; G. B. Seely's Son, Inc., New York, N. Y., successor. Beverages. 56,088; renewed Aug. 21, 1926.

Sherman, Isidor, doing business as A. K. Manufacturing Co., New York, N. Y. Leather dye. 211,196; Apr. 6. Serial No. 222,195; published Jan. 5, 1926.

Shipman, Clyde L., Hughesville, Pa. Self-rising flour. 211,286; Apr. 6; Serial No. 222,641; published Jan. 12, 1926.

Shuman, Frank G., Co., The, Chicago, Ill. Metal-tag fasteners. 211,312; Apr. 6.

Silica Brick & Engineering Company, Chicago, Ill. Bricks. 211,294; Apr. 6.

Silvers, J. S., & Bro. Co. Inc., Cranbury, N. J. Canned goods. 211,342; Apr. 6.

Simplex Piston Ring Company, The. (See Solenberger Piston Ring Company.)

Smith, James, and Son, (Redditch) Limited, Redditch, England. Hand sewing needles. 211,251; Apr. 6; Serial No. 217,186; published Jan. 12, 1926.

Societe Nouvelle de Parfumerie, Paris, France. Cosmetics—viz, lip sticks, eyebrow pencils, powders, etc. 211,077; Apr. 6; Serial No. 212,404; published July 21, 1925.

Solenberger Piston Ring Company, The, now, by change of name, The Simplex Piston Ring Company, Cleveland, Ohio. Piston rings. 211,249; Apr. 6; Serial No. 196,936; published July 29, 1924.

Sorbo Rubber-Sponge Products Ltd., Woking, England. Flesh gloves, massage pads, crutch pads, and truss pads. 211,247; Apr. 6; Serial No. 137,552; published Jan. 5, 1926.

Spartanburg Fertilizer Co., Spartanburg, S. C. Artificial fertilizers. 49,877; renewed Feb. 20, 1926.

Speedex Gasoline Company of Washington, Washington, D. C. Gasoline. 211,305; Apr. 6.

Spencer-Duffy Company, Inc., The, Grand Rapids, Mich. Detachable fabric coverings for furniture, cushions and pillows. 211,103; Apr. 6; Serial No. 221,285; published Jan. 12, 1926.

Stahl, George H., Quincy, Ill. Incubators and brooders. 27,836; renewed Feb. 18, 1926.

Stahl, H. K., Company, St. Paul, Minn. Petroleum products. 211,306; Apr. 6.

Standard Company, The, assignor to The Torrington Company, Torrington, Conn. Spokes and nipples. 54,949; renewed Aug. 7, 1926.

Standard Medical Company, Lansford, Pa. Ointment for the treatment of rheumatic and neuralgia pains. 211,359; Apr. 6.

Standard Oil Company (New Jersey), Bayonne, N. J. Oils made from petroleum and lubricating greases. 211,361; Apr. 6.

Stanley Rule & Level Company, assignor to The Stanley Works, New Britain, Conn. Screw drivers. 54,951; renewed Aug. 7, 1926.

Staples Grocery Company, Inc., The, Richmond, Va. Condiments. 211,134; Apr. 6; Serial No. 217,533; published Jan. 12, 1926.

Star Aluminum and Brass Foundry. (See Green, Edward E.)

Stay-Tight Co. (See Laufe, H. Charles.)

Stein, A., & Company, Chicago, Ill. Belts. 211,273; Apr. 6; Serial No. 214,514; published Jan. 19, 1926.

Sterling Salt Company. (See Brown & Shaw, assignor.)

Stevens & Wallis (Incorporated), Salt Lake City, Utah. Plans, copy, lay-outs, cuts, etc. 211,110; Apr. 6; Serial No. 179,234; published Dec. 29, 1925.

Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 211,232; Apr. 6; Serial No. 104,123; published Feb. 10, 1925.

Stokes Bros. Manufacturing Co., Freehold, N. J. Rasps. 55,123; renewed Aug. 7, 1926.

Stone, William A., doing business as Stone & Co., Dallas, Tex. Hair pomades. 211,085; Apr. 6; Serial No. 223,202; published Dec. 29, 1925.

Stover Steel Tank & Mfg. Co. (See Held, Roy J.)

Suffern, Robert A.; Amory, Browne & Co., New York, N. Y., successors. Sheetings, shirtings, and drills. 51,600; renewed Apr. 17, 1926.

Superior Garment Company, The, St. Johns, Mich. Lingerie. 211,325; Apr. 6.

Superior Glue Co., Chicago, Ill. Adhesive glue and cement. 211,274; Apr. 6; Serial No. 214,188; published Jan. 12, 1926.

Superior Hard Rubber Company, Butler, N. J. Urethral syringes. 211,310; Apr. 6.

Super Maid Cook-Ware Corporation, Chicago, Ill. Cooking utensils. 211,235; Apr. 6; Serial No. 213,410; published Jan. 5, 1926.

Sutherland, E. E., Medicine Co., The, Paducah, Ky., assignor to Dr. Bell Medicine Co., Inc., New York, N. Y. Ointments, remedies for coughs and kindred complaints, colic, cholera, diarrhea, and liver diseases. 28,281; renewed May 19, 1926.

Swift and Company, Chicago, Ill. Oleaginous food substances. 28,781; renewed Aug. 18, 1926.

Talliby-Nason Co., Boston, Mass. Cod-liver oil and emulsions thereof. 211,158; Apr. 6; Serial No. 223,203; published Dec. 29, 1925.

Tapley, Henry F.; Henry F. Tapley, doing business as Amos P. Tapley & Co., Boston, Mass. Leather boots and shoes. 54,925; renewed Aug. 7, 1926.

Taylor Chair Company, The, Bedford, Ohio. Office chairs, sofas, settees, davenports, and couches. 211,293; Apr. 6.

Taylor, E. H., jr., & Sons, Incorporated, Frankfort, Ky. Whisky. 53,035; renewed May 22, 1926.

Taylor, William G., assignor to Fonticello Springs Company, Inc., Richmond, Va. Lithia water. 50,861; renewed Apr. 3, 1926.

Theobald-Berger Co., Los Angeles, Calif. Canned fruit. 211,303; Apr. 6.

Thermopak Company. (See O'Brien, John E.)

Thomas & Horn, Fresno, Calif. Fresh peaches, plums, nectarines, and grapes. 211,252; Apr. 6; Serial No. 220,696; published Jan. 19, 1926.

Thompson, L. A., Scenic Railway Co., The, New York, N. Y. Scenic railways. 51,820; renewed Apr. 24, 1926.

Tiger Transmission Company, Seattle, Wash. Transmissions for automobiles and other motor vehicles. 211,197; Apr. 6; Serial No. 222,529; published Jan. 12, 1926.

Torrington Company, The. (See Excelsior Needle Company, assignor.)

Torrington Company, The. (See Standard Company, The, assignor.)

Tower & Lyon Co., New York, N. Y.; Union Hardware Company, Torrington, Conn., successor. Handcuffs and leg irons. 48,746; renewed Jan. 9, 1926.

Tower & Lyon Co., New York, N. Y.; Union Hardware Company, Torrington, Conn., successor. Police twisters. 48,747; renewed Jan. 9, 1926.

Tower & Lyon Co., New York, N. Y.; Union Hardware Company, Torrington, Conn., successor. Nail pullers. 48,748; renewed Jan. 9, 1926.

Tower & Lyon Co., New York, N. Y.; Union Hardware Company, Torrington, Conn., successor. Handcuffs and leg irons. 50,400; renewed Mar. 13, 1926.

Traun Rubber Co., assignor to Atlantic Rubber Manufacturing Corporation, New York, N. Y. Rubber for dental purposes. 52,191; renewed May 1, 1926.

Truttwin, Hans, doing business as Dr. Ing. Hans Truttwin, Vienna, Austria. Medicine to be used in dermatology, venerology, gynecology, and in the treatment of cancer. 211,246; Apr. 6; Serial No. 179,016; published Dec. 22, 1925.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 50,838; renewed Apr. 3, 1926.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J. Paper bags. 52,383; renewed May 8, 1926.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 52,385–6; renewed May 8, 1926.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 53,234; renewed May 29, 1926.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 53,577; renewed June 5, 1926.

Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J. Paper bags. 54,223; renewed June 19, 1926.

Union Hardware Company. (See Tower & Lyon Co.)

Unique Cleaners and Dyers, The, Chicago, Ill. Suits, dresses, coats, and gloves. 211,244; Apr. 6; Serial No. 199,136; published Dec. 30, 1924.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Rust resisting anticorrosive metal and iron and steel bars, slabs, etc. 211,281; Apr. 6; Serial No. 220,484; published Dec. 15, 1925.

United Dairy Company, Inc., The, Barnesville, Ohio. Evaporated milk. 211,245; Apr. 6; Serial No. 192,164; published July 21, 1925.

United States Radiator Corporation. (See Herendeen Manufacturing Co., assignor.)

Upjohn Company, The, Kalamazoo, Mich. Medicine for malaria. 211,190; Apr. 6; Serial No. 222,419; published Jan. 5, 1926.

Urbanski, Louis J., doing business as Saturn Mfg. Co., Buffalo, N. Y. Medicine and liniment. 211,178; Apr. 6; Serial No. 223,827; published Jan. 12, 1926.

Valvoline Oil Company. (See Wilburine Oil Works, Ltd.)

Van Nette Lawn Mower Company, Tiffin, Ohio. Lawn mowers. 211,285; Apr. 6; Serial No. 222,719; published Jan. 26, 1926.

Venus Brassiere Co., Chicago, Ill. Corsets, brassières, girdles, and bandeaux. 211,073; Apr. 6; Serial No. 223,878; published Jan. 5, 1926.

Venus Brassiere Co., Chicago, Ill. Corsets, brassières, girdles, and bandeaux. 211,092; Apr. 6; Serial No. 223,755; published Jan. 5, 1926.

Venus Brassiere Co. Corsets, brassières, girdles, and bandeaux. 211,096; Apr. 6; Serial No. 223,744; published Jan. 5, 1926.

Venus Packing Co. (See Braadland, John, Ltd.)

Vertex Hosiery Mills, Inc., Weissport, Pa. Hosiery. 211,250; Apr. 6; Serial No. 218,380; published Oct. 20, 1925.

Vitamin Food Co., Inc., New York, N. Y. Food preparation containing vitamins. 211,126; Apr. 6; Serial No. 213,538; published July 7, 1925.

Vortex Mfg. Co., The, Chicago, Ill. Paper cups. 211,076; Apr. 6; Serial No. 206,985; published Jan. 19, 1926.

Wagner, Charles F., doing business as Piccadilly Fizz Corp., Los Angeles, Calif. Beverages sold as soft drinks and sirups and extracts used in preparation of the same. 211,140; Apr. 6; Serial No. 207,698; published Mar. 10, 1925.

Wagner, Charles F., doing business as Piccadilly Fizz Co., Los Angeles, Calif. Beverages sold as soft drinks and extracts and sirups for making same. 211,143; Apr. 6; Serial No. 211,639; published June 9, 1925.

Waldeyer & Betts, New York, N. Y. Powder for drying the hair. 49,085; renewed Jan. 23, 1926.

Walker Limited, Litherland, Liverpool, England. Sole leather. 211,261; Apr. 6; Serial No. 217,841; published Dec. 29, 1925.

Warner, M. J., Co. Inc., New York, N. Y. Cotton piece goods. 211,365; Apr. 6.

Wasserstrom, Nathan, doing business as N. Wasserstrom & Sons, Columbus, Ohio. Malt sirup. 211,161; Apr. 6; Serial No. 222,769; published Jan. 12, 1926.

Weeks, D., & Company, Inc., Des Moines, Iowa. Cold tablets, kidney pills, laxative wafers, gas and indigestion tablets, and pile medicine. 211,343; Apr. 6.

Weidner, Paul, Detroit, Mich. Malt extract for food purposes. 211,351; Apr. 6.

Weingarten Bros., New York, N. Y. Underwear, brassières, and combination brassière and corset, etc. 211,185; Apr. 6; Serial No. 222,770; published Jan. 5, 1926.

Wells, Ephraim S., deceased, assignor to William H. Wells and George T. Wells, executors and trustees, Jersey City, N. J. Poison or exterminator for rats, vermin, and insects. 51,852; renewed Apr. 24, 1926.

Wertheim, A., Inc., New York, N. Y. Tables, chairs, and cabinets. 211,133; Apr. 6; Serial No. 215,886; published Jan. 12, 1926.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Machinery packing composed of layers of copper and asbestos. 211,173; Apr. 6; Serial No. 223,264; published Jan. 19, 1926.

Wetherill, Geo. D., & Co. Inc., Philadelphia, Pa. Liquid paint. 51,888; renewed Apr. 24, 1926.

Wheeler Condenser & Engineering Co., New York, N. Y.; Wheeler Condenser & Engineering Co., Carteret, N. J. Centrifugal pumps. 53,672; renewed June 12, 1926.

Wheeler Condenser & Engineering Co., New York, N. Y.; Wheeler Condenser & Engineering Co., Carteret, N. J. Feed-water heaters. 54,300; renewed June 26, 1926.

Wheeler Condenser & Engineering Co., New York, N. Y.; Wheeler Condenser & Engineering Co., Carteret, N. J. Surface and jet condensers. 54,316; renewed June 26, 1926.

White & Sons, Galeton, Pa. Corn meal, corn and oats feed, self-rising pancake flour, etc. 211,263; Apr. 6; Serial No. 211,314; published Jan. 19, 1926.

Wieder Bros., Inc., New York, N. Y. Ladies' hats. 211,086; Apr. 6; Serial No. 223,829; published Jan. 5, 1926.

Wilburine Oil Works, Ltd., New York, N. Y.; Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., successor. Lubricating oils. 52,121; renewed May 1, 1926.

Wilburine Oil Works, Ltd., New York, N. Y.; Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., successor. Petroleum or mineral jelly. 52,122; renewed May 1, 1926.

Wilson, Andrew, Incorporated, Springfield, N. J. Insecticides. 211,233; Apr. 6; Serial No. 207,279; published Jan. 5, 1926.

Winchell Flour Company, The, Saginaw, Mich. Friedcake flour. 211,239; Apr. 6; Serial No. 204,988; published Jan. 12, 1926.

Wizard Lightfoot Appliance Company, St. Louis, Mo. Corn pads, rubber heel liners, and bunion shields. 211,250; Apr. 6; Serial No. 217,124; published Jan. 5, 1926.

Wood, Josephine A., Los Angeles, Calif. Liquid tonic in the treatment of diseases from malaria, poultry remedy, etc. 211,242; Apr. 6; Serial No. 201,273; published Jan. 5, 1926.

Woolson Spice Company, The, Toledo, Ohio. Coffee. 55,627; renewed Aug. 21, 1926.

Wunderle, Philip, Philadelphia, Pa. Candy. 54,959; renewed Aug. 7, 1926.

Youngstown Sheet and tube Company, The, Youngstown, Ohio. Steel sheets, plates, and bars. 211,081; Apr. 6; Serial No. 222,537; published Dec. 15, 1925.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Steel plates and sheets. 211,093; Apr. 6; Serial No. 222,535; published Dec. 15, 1925.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Steel pipe and pipe couplings. 211,186; Apr. 6; Serial No. 222,536; published Jan. 12, 1926.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio, Steel pipe. 211,187; Apr. 6; Serial No. 222,534; published Jan. 12, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Bosch Hydrometer. For Hydrometers. 30,154; Apr. 6.

Claremont Paper Company, Inc., Claremont, N. H. Claremont Kraft. For Paper. 30,155; Apr. 6.

Detroit White Lead Works, Detroit, Mich. Rogers Brushing Lacquer. For Nitro-Cellulose Lacquers and Enamels, Undercoatings, and Thinners. 30,156; Apr. 6.

Englander Spring Bed Co., Brooklyn, N. Y. Featherest. For Open-Coil Bed Springs. 30,157; Apr. 6.

Greene Circle Products Co., Chicago, Ill. Cream of Fruit Chewing Gum. For Chewing Gum. 30,158; Apr. 6.

Lamm & Lamm, Inc., Newark, N. J. Lafayette Farms Eggs. For Eggs. 30,159; Apr. 6.

Long, Dennis E., Battle Creek, Mich. Long's Fudelax. For a Laxative Preparation. 30,160; Apr. 6.

McAdoo, J. A., Charlotte, N. C. Snap Shot. For Cigars. 30,161; Apr. 6.

Mead Johnson & Company, Evansville, Ind. Mead's Yellow Label Powdered Whole Milk. For Powdered Whole Milk. 30,162; Apr. 6.

Mead Johnson & Company, Evansville, Ind. Mead's Blue Label Powdered Half Skim Milk. For Powdered Half Skim Milk. 30,163; Apr. 6.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Singapore Cold Storage Company, Singapore, Straits Settlements. Paradise. For Ice Cream. 30,164; Apr. 6.

Mendenhall, A. W., Company, Kansas City, Mo. Greenway. For Toilet Paper. 30,165; Apr. 6.

Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm #1. For Pimento Cheese. 30,166; Apr. 6.

Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm #2. For Limburger Cheese. 30,167; Apr. 6.

Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm #4. For Sharp Cheese. 30,168; Apr. 6.

Nichols, Helen E., New York, N. Y. Nichols Syphon Powder. For Syphon-Powder Containers. 30,169.

Peoria Tent & Awning Company, Peoria, Ill. Tite-Top Keep Kold Shipping Jacket. For Shipping Jackets. 30,170; Apr. 6.

Philadelphia Knitting Mills Company, Philadelphia, Pa. Gold Seal. For Hosiery. 30,171; Apr. 6.

Rollins Supply Co., Chicago, Ill. Hells-Fire Drain Pipe Cleaner. For a Chemical Powder for Cleaning Drain Pipes. 30,172; Apr. 6.

Shenker, Morris, doing business as The Pat Company, Baltimore, Md. Pat for Indigestion. For a Medicine for Indigestion. 30,173; Apr. 6.

Shure, N., Co., Chicago, Ill. Oneida. For Indian Blankets. 30,174; Apr. 6.
Singapore Cold Storage Company. (See Menasha Printing and Carton Company, assignor.)
Sleep-Rite Mattress Co., Minneapolis, Minn. Licensed Sleep-Rite Products. For Mattresses. 30,175; Apr. 6.
Paradise Manufacturing Company. (See Treadway, Annie E.)
Pat Company, The. (See Shenker, Morris.)
Treadway, Annie E., doing business as Paradise Manufacturing Company, Fort Lauderdale, Fla. Spray Paradise. For an Insect Exterminator. 30,176; Apr. 6.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. Less Than 1¢ a Serving—An Ideal Food for Convalescents. For Wheat Breakfast Food. 8,687; Apr. 6.
Eaton, Crane & Pike Co., Pittsfield, Mass. Where Stationery Styles Originate. For Eaton's Social Stationery. 8,688; Apr. 6.
Excelsior Wrapper Company, Chicago, Ill. Excelsior Packing Pads. For Packing Pads. 8,689; Apr. 6.
Schrafft, W. F., & Sons Corp., Boston, Mass. Schrafft's Chocolates. For Chocolates. 8,691; Apr. 6.
Schrafft, W. F., & Sons Corporation, Boston, Mass. The Blue Banner Sales Girl Assortment. For Chocolates. 8,690; Apr. 6.
Sloan, John F., Peoria, Ill. Moto-Heater. For an Electric Heater for Internal-Combustion Engines of Automobiles. 8,692; Apr. 6.
The B. V. D. Company, Inc., New York, N. Y. Coming Soon. For Athletic Underwear. 8,685; Apr. 6.
The B. V. D. Company, Inc., New York, N. Y. For Your Comfort's Sake Remember. For Athletic Underwear. 8,686; Apr. 6.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Dalen Portland-Cementfabrik, Brevik, Norway. Cement. 222,784; Apr. 6.
Adwear Process Sole Leather Machine Co., Philadelphia, Pa. Belting made of leather, fabric, and rubber. 222,207; Apr. 6.
Alexandria Bedding Company. (See McCain, James H.)
Allen-Qualley Company, St. Paul, Minn. Bar candy. 221,686; Apr. 6.
American Agricultural Chemical Company, The, New York, N. Y. Chemical agricultural fertilizers. 225,461; Apr. 6.
American Chicle Company, Long Island City, N. Y. Chewing gum. 227,154; Apr. 6.
American Plywood Corporation, New London, Wis. Veener and plywood. 223,360; Apr. 6.
American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 215,839; Apr. 6.
Ansted & Burk Co., The. Self-rising flour and wheat flour. 227,158; Apr. 6.
Appleton Company, Lowell, Mass. Cotton piece goods. 227,822; Apr. 6.
Arctic Nu-Air Cooling & Ventilating Company, Chicago, Ill. Air-conditioning apparatus and cooling and ventilating systems. 219,654; Apr. 6.
Atlantic Mills, The, Olneyville, R. I. Woolen dress goods. 224,796; Apr. 6.
Atlantic Mills, The, Olneyville, R. I. Woolen dress goods. 224,798; Apr. 6.
Bakelite Corporation, New York, N. Y. Meter frames, disks and cases, speedometer parts, watch glasses, etc. 221,592; Apr. 6.
Bakelite Corporation, New York, N. Y. Door handles, knobs, knockers, casters, toilet seats, furniture sliders, etc. 222,425; Apr. 6.
Bakelite Corporation, New York, N. Y. Radium plaques, ozonizing apparatus, manicure sets, teething rings, etc. 222,432; Apr. 6.
Baxter, H. C., & Brother, Brunswick, Me. Canned vegetables. 225,343; Apr. 6.
Baylis, A. W., Co., New York, N. Y. Woven fabrics of silk, artificial silk, cotton, and wool and combinations thereof. 226,798; Apr. 6.
Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 227,823; Apr. 6.
Belmont, Ralph A., New York, N. Y. Writing ink. 226,416; Apr. 6.
Berks, John, Sacramento, Calif. Preparation for sore eyes, granulated lids, trachoma, and all forms of eye weakness. 222,211; Apr. 6.
Berman, Samuel, New York, N. Y. Plain and ornamental cakes. 226,467; Apr. 6.
Beststone Stucco Company, Inc., Brooklyn, N. Y. Stucco. 226,329; Apr. 6.
Bissell Carpet Sweeper Company, Grand Rapids, Mich. Toy carpet sweepers. 225,583; Apr. 6.
Blabon, George W., Co., The, Nicetown, Philadelphia, Pa. Periodicals. 227,160; Apr. 6.
Blue Hill Candy Co., St. Louis, Mo. Candies. 227,052; Apr. 6.
Blue Point Tool Company, Chicago, Ill., and Racine, Wis. Electroplaters. 209,117; Apr. 6.
Bonat, Samuel, & Bro., New York, N. Y. Hair dye. 227,932; Apr. 6.
Borchard Laboratories, assignor to The Borchard Laboratories, Inc., Camden, N. J. Silver and gold polish. 225,585; Apr. 6.
Borchard Laboratories, Inc., The. (See Borchard Laboratories, assignor.)
Borck & Stevens, Bridgeport, Conn. Bread. 226,841; Apr. 6.
Boucher, William, & Sons, Baltimore, Md. Cigars. 225,253; Apr. 6.
Bougher, Clifford I., doing business as Norritex Hosiery Company, Norristown, Pa. Hosiery. 226,759; Apr. 6.
Bourgoin, Francis W., doing business as Tops-All Overall Co., Webster Groves, Mo. Overalls. 227,711; Apr. 6.
Bowen, Al, Portland, Oreg. Candy objects representing golf balls and golf-club heads. 223,160; Apr. 6.
Boxboard Products Company, Manayunk, Philadelphia, Pa. Shipping containers. 227,162; Apr. 6.
Burger, Iwan, Inc., New York, N. Y. Canned sardines. 224,233–4; Apr. 6.
Burns, Harry, Los Angeles, Calif. Weekly publication. 227,340; Apr. 6.
Button, George W., Corporation, New York, N. Y. Perfumes, toilet waters, face powders, and talcum powder. 227,497–8; Apr. 6.
Buxton, Incorporated, Springfield, Mass. Purses and pocketbooks. 226,802–3; Apr. 6.
Calabro, Antonio G., doing business as The Calabro Company, Boston, Mass. Hairdressing. 227,341; Apr. 6.
California Cordage Co. (See Klenzall Manufacturing Company.)
California-Oregon Paper Mills, Los Angeles, Calif. Wrapping paper. 226,095; Apr. 6.
Canton Brick and Fireproofing Co., The, New Philadelphia, Ohio. Brick. 207,066; Apr. 6.
Capitol-Lax Company. (See Shouse, Otis K.)
Chesebrough Manufacturing Co. (Consolidated), New York, N. Y. Petroleum jelly and preparations thereof. 217,502; Apr. 6.
Chevalier, Lelia, New York, N. Y. Title of magazine published monthly. 226,883; Apr. 6.
Citrus Products Company, Chicago, Ill. Nonalcoholic, noncereal, maltless beverages and compounds and concentrative for making such beverages. 227,000; Apr. 6.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress shirts. 223,836; Apr. 6.
Cohn & Rosenberger, Inc., New York, N. Y. Brooches, necklaces, dress ornaments, finger rings, etc. 225,912; Apr. 6.
Cohn & Rosenberger, Inc., New York, N. Y. Hand bags. 226,540; Apr. 6.
Cummins Engine Company, Columbus, Ind. Internal-combustion engines. 212,483; Apr. 6.
Curtiss Aeroplane and Motor Company, Inc., Buffalo and Garden City, N. Y. Aeroplanes. 226,584; Apr. 6.
Dandrex Co. (See Piazza, Joseph.)
Defender Mfg. Company Inc., Long Island City, N. Y. Sheets, pillowcases, and bedspreads. 224,746; Apr. 6.
Des Moines Bottling Works. (See Gutfreund, Gustav.)
Des Moines Cycle Co., Des Moines, Iowa. Bicycles, parts thereof, accessories therefor, and sundries relating thereto (not tires). 214,948; Apr. 6.
Dieux, Jean, Paris, France. Pamphlets, folders, booklets, books, magazines, etc. 224,749; Apr. 6.
Doob, M., Sons & Company, New York, N. Y. Handkerchief and lace piece goods. 210,718; Apr. 6.
Downing Taylor Company, Springfield, Mass. Canned vegetables, fruits, and fish, dried fruits, catchup, etc. 219,948; Apr. 6.
Dri-Weil Co., The. (See Gale, Benjamin T.)
Dudenhoefer, Jos., Company, Milwaukee, Wis. Sacramental wine. 226,345; Apr. 6.
Duffy, F. S., Medicine Co., New Bern, N. C. Kidney and backache remedy. 227,723; Apr. 6.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Duncan, Frederick B., New York, N. Y. Coffee. 208,798; Apr. 6.
Eagle Malt Extract Company. (See Rosenstein, Emanuel D.)
Earnshaw Sales Company, Chicago, Ill. Magazine published monthly. 227,830; Apr. 6.
Eastman Kodak Company, Rochester, N. Y. Photographic cameras, panoramic attachments for cameras, etc. 226,188; Apr. 6.
Eaton-Dikeman Co., The, Lee, Mass. Matrix paper. 227,575; Apr. 6.
Eckerling Brothers, Chicago, Ill. Overalls, overall jackets, and pants. 226,134; Apr. 6.
Egon Braun Aktiengesellschaft, Hamburg, Germany. Brandies, liquors, punches, alcoholic essences, and extracts. 223,694; Apr. 6.
Ekroth Laboratories, Inc., New York, N. Y. Folders, pamphlets, and books. 225,778; Apr. 6.
Elbe File & Binder Company, Inc., New York, N. Y. Stationers' supplies. 224,555; Apr. 6.
Elcaya Co., Inc., The, New York, N. Y. Cold cream, rouge, face powder, etc. 226,543; Apr. 6.
Erhard & Söhne A. G., Gmund, Germany. Inkstands, blotters, seals, letter racks, etc. 218,616; Apr. 6.
Esposito Bros., New York, N. Y. Olive oil. 199,277–8; Apr. 6.
Exolon Company, The, Blasdell, N. Y. Refractory materials, particularly artificial mullite. 223,225; Apr. 6.
F. & I. Tobacco Products Company. (See Zook, Charles A. B.)
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 227,726; Apr. 6.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 227,729; Apr. 6.
Fashion Lane, Inc., New York, N. Y. Ladies' and misses' dresses. 215,686; Apr. 6.
Fisher, A., & Son, Inc., Lynn, Mass. Boots and shoes. 224,814; Apr. 6.
Flexlume Corporation, Tonawanda, N. Y. Glass letters and characters and glass letter plates, etc. 227,885; Apr. 6.
Flint-Rock Stucco Company, The, Ingomar, Ohio. Exterior magnesite stucco, composition flooring, interior plaster, and dashes, which are finely-crushed stone. 191,377; Apr. 6.
Foley Bros. Grocery Co., St. Paul, Minn. Bluing, gloss starch, and soda. 226,350; Apr. 6.
Forban Company, New York, N. Y. Chewing gum. 210,545; Apr. 6.
Foster, Edward C., Providence, R. I. Dyes and dyestuffs. 227,449; Apr. 6.
Foster, William A., jr., Milwaukee, Wis. Candy. 224,009; Apr. 6.
Franco-Belgique Tours Co., Ltd., New York, N. Y. Publication issued at irregular intervals. 217,341; Apr. 6.
Gale, Benjamin T., doing business as The Dri-Weil Co., St. Paul, Minn. Perspiration deodorant and remedy for stopping or checking perspiration. 227,401; Apr. 6.
Galion Iron Works & Mfg. Co., The, Galion, Ohio. Blades for road graders. 226,285; Apr. 6.
Garson, Lawrence M., Pittsburgh, Pa. Children's play suits. 227,068; Apr. 6.
Geasler, Richard L., doing business as Triad Products Co., Chicago, Ill. Water heaters. 225,919; Apr. 6.
Gem Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 215,854; Apr. 6.
Gender, Paeschke & Frey Co., Milwaukee, Wis. Metal containers for packaging and shipping paints, tar products, wax, etc. 225,604; Apr. 6.
Goldring, Sol., Pensacola, Fla. Maltless beverages and sirups for making same. 227,173; Apr. 6.
Goodrich, B. F., Company, The, New York, N. Y. Dredging sleeves. 223,227; Apr. 6.
Gordon Baking Company, Detroit, Mich. Cakes. 227,070; Apr. 6.
Grant, A. M., Furniture Company, The, Cambridge, Mass. Desks, lowboys, card tables, dressers, beds, and Salem chests. 225,357; Apr. 6.
Gratz, Charles E., Hoboken, N. J. Antiseptic mouth wash. 227,705; Apr. 6.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving sets and parts thereof. 222,454; Apr. 6.
Gutfreund, Gustav, doing business as Des Moines Bottling Works, Des Moines, Iowa. Ginger ale and other flavors. 227,014; Apr. 6.
Gypsy Dyes, Inc., Chicago, Ill. Dyes and colorings. 227,304; Apr. 6.
Haartz, J. C., Company, New Haven, Conn. Auto top finish (a waterproof fabric). 224,910; Apr. 6.
Harris, W. M., & Sons, Wyoming and Frederica, Del. Canned fruits, soups, vegetables, and tomato catchup. 226,900; Apr. 6.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, silk, artificial silk, or composed of at least two of these materials, and embroideries, all in the piece. 188,478; Apr. 6.
Henton, H. Bennie, Philadelphia, Pa. Mouthpieces for musical wind instruments. 226,197; Apr. 6.
Hoberg & Fibre Company, Green Bay, Wis. Toilet paper. 226,853; Apr. 6.
Hoffman, Mary A., East Chicago, Ill. Rheumatism medicine and blood purifier. 214,360; Apr. 6.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 227,352; Apr. 6.
Holland Food Corporation, New York, N. Y. Cheese. 208,397; Apr. 6.
Holtz, Armand, Paris, France. Toilet creams and powders. 227,355; Apr. 6.
Idaho Canning Co., Ltd., Payette, Idaho. Canned vegetables. 225,716; Apr. 6.
International Feature Service, Inc., New York, N. Y. Series of motion-picture films. 226,427; Apr. 6.
International Paper Company, New York, N. Y. Section of a periodical magazine. 227,074; Apr. 6.
Japan Paper Company, New York, N. Y. Italian handmade printing paper. 225,018; Apr. 6.
Joplin Supply Company, Joplin, Mo. Shock absorbers, tire-chain adjusters, axle parts, running-board braces, etc., for vehicles. 225,561; Apr. 6.
Katsafaros, A., Steubenville, Ohio. Preparation for the treatment of syphilis. 226,904; Apr. 6.
Keating, James K., doing business as Speed-A-Way Manufacturing Co., Chillicothe, Ohio. Patches for inner tubes for pneumatic tires. 221,618; Apr. 6.
Klenzall Manufacturing Company, Atlanta, Ga., and Orange, Calif., doing business as California Cordage Co., Orange, Calif. Mops, dust mops, counter mops, and automobile dust cloths. 222,847; Apr. 6.
Knowles Mushroom Ventilator Co., New York, N. Y. Underseat air diffusers for auditoriums. 224,566; Apr. 6.
Kontes, Nicholas, doing business as Majestic Coffee Mills, Detroit, Mich. Coffee. 224,767; Apr. 6.
Kroyer, John M., Los Angeles, Calif. Internal-combustion engines. 227,180; Apr. 6.
Kupferman, L., & Co., New York, N. Y. Men's and boys' suits. 223,792; Apr. 6.
L. J. & M. Lefkowitz, Inc., New York, N. Y. Hand bags. 227,125; Apr. 6.
Laws, William, jr., New Smyrna and Orange City, Fla. Beverages and sirups for making the same. 227,183; Apr. 6.
Loebig, Arthur J., Chicago, Ill. Bakery equipment. 221,019; Apr. 6.
Louisiana State Rice Milling Company, Inc., New Orleans, La. Rice. 223,395; Apr. 6.
Lyman Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. 227,360; Apr. 6.
Majestic Coffee Mills. (See Kontes, Nicholas.)
Maurice Levy, New York, N. Y. Powder puffs. 226,106; Apr. 6.
Mayflower Mills, Fort Wayne, Ind. Plain and self-rising flour. 216,467; Apr. 6.
McCain, James H., doing business as Alexandria Bedding Company, Alexandria, La. Beds, bed springs, mattresses, pads, and pillows. 221,326; Apr. 6.
Menasha Printing and Carton Company, Menasha, Wis. Paper napkins. 226,813; Apr. 6.
Merit Publishing Company, The, Cleveland, Ohio. Monthly magazine. 227,590; Apr. 6.
Merit Publishing Company, The, Cleveland, Ohio. Monthly magazine. 227,663; Apr. 6.
Midland Chemical Laboratories, Inc., Dubuque, Iowa. Soap product. 226,011; Apr. 6.
Mignon Dress Co., Inc., New York, N. Y. Misses' and women's dresses, coats, and suits. 218,861; Apr. 6.
Mildeberger, Henry D., New York, N. Y. Weekly column of comments. 227,955; Apr. 6.
Miller Company, The, Meriden, Conn. Glass globes and reflectors. 227,958; Apr. 6.
Monogram Lens Corporation, New York, N. Y. Light-transmiting lenses and plates for use in lamps for vehicles. 190,084; Apr. 6.
Moore Drug Company, Trenton, N. J. Tonic for coughs, colds, etc. 226,108; Apr. 6.
Moreland Business Builders, Inc. Pocket cardboard coin holders. 225,796; Apr. 6.
Morning Telegraph Company, New York, N. Y. Nom de plume for a particular column of news in a newspaper. 219,545; Apr. 6.
Morning Telegraph Company, New York, N. Y. Nom de plume for a particular column of news in a newspaper. 219,547; Apr. 6.
Morning Telegraph Company, New York, N. Y. Nom de plume for particular column of news in a newspaper. 227,593; Apr. 6.
Nelson, B. F., Manufacturing Company, Minneapolis, Minn. Asphalt composition shingles. 191,278; Apr. 6.
New Orleans Packing Co., Inc., New Orleans, La. Malt sirup for beverage purposes. 226,671–4; Apr. 6.
New York Auto and Radio Supply Co., Chicago, Ill. Tire patches, tire-patching outfits, and blow-out boots. 196,184; Apr. 6.
New York Hat Stores, Inc., Los Angeles, Calif. Hats and caps for men and boys. 225,235; Apr. 6.
Norritex Hosiery Company. (See Bougher, Clifford I.)
Northern Corrugating Company, Green Bay, Wis. Metal cornices, eaves troughs, built-in ventilators, etc. 223,797; Apr. 6.
Old King Cole, Inc., Canton, Ohio. Statuettes. 206,431; Apr. 6.

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Oneida Community Limited, Oneida, N. Y. Chests, dining-room tables, display tables, buffets, etc. 221,917; Apr. 6.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 223,937; Apr. 6.
Pacific Egg Producers Cooperative, Inc., New York, N. Y. Eggs. 227,412; Apr. 6.
Parfums Edouardo a Corporation, New York, N. Y. Perfume, toilet water, and toilet powder. 227,186; Apr. 6.
Parmer & Co., New York, N. Y. Bimonthly publication of financial information and offerings. 227,469; Apr. 6.
Par Vell Laboratories, The, Columbus, Ohio. Drawing, writing, and marking inks. 227,596; Apr. 6.
Penndelphia, Inc., Philadelphia, Pa. Hosiery for women. 227,680; Apr. 6.
Pennzoil Co., Inc., The, Los Angeles, Calif. Publication issued monthly. 226,075; Apr. 6.
Pharmakon A.-G. Chemische Fabrik, Frankfort-on-the-Main, Germany. Antineuralgicum, antipyreticum, antirheumaticum, soporifics, and prophylacticum. 223,655; Apr. 6.
Philadelphia Clay Company, The, Philadelphia, Pa. Clay. 225,136; Apr. 6.
Piazza, Joseph, doing business as Dandrex Co., New York, N. Y. Ointment for preserving the hair. 227,750; Apr. 6.
Pierre, Dr., Chemical Co., Chicago, Ill. Suppositories for the prevention and alleviation of diseases of the pelvic organs peculiar to women, venereal diseases, and piles. 222,875; Apr. 6.
Pioneer Fruit Company, The, San Francisco, Calif. Fresh deciduous fruits and grapes. 208,607; Apr. 6.
Pond's Extract Company, New York, N. Y. Cold cream, powder compacts, ointment for rough skin, burns, etc., eye wash, etc. 225,277; Apr. 6.
Post, Charles H., New York, N. Y. Dressing for machinery belts. 226,971; Apr. 6.
Praechtl, George J., Pine Hill, Buffalo, N. Y. Lemon cream. 227,382; Apr. 6.
Pyramid Packing Company, Sitka, Alaska. Canned fish. 226,867; Apr. 6.
Radium Ores Corporation, New York, N. Y. Naturnl radioactive product in solid form. 226,159; Apr. 6.
Radium Ores Corporation, New York, N. Y. Preparation composed of water or any other fluid rendered radioactive for medicinal purposes. 226,160; Apr. 6.
Reo Motor Car Company, Lansing, Mich. Automobiles. 225,575; Apr. 6.
Review and Herald Pub. Assn., Takoma Park, D. C. Weekly publications. 227,605–6; Apr. 6.
Reynolds Felt Company Incorporated, Binghamton, N. Y. Carpet liner, felt, and felt pieces. 208,362; Apr. 6.
Richardson Company, The, Lockland, Ohio. Composition shingles. 208,870; Apr. 6.
Rider, S. A., Company, Chicago, Ill. Powder compacts. 219,494; Apr. 6.
Rockwood & Co., New York, N. Y. Chocolates. 227,249; Apr. 6.
Rosenstein, Emanuel D., doing business as Eagle Malt Extract Company, Memphis, Tenn. Beverages sold as cordials. 225,939; Apr. 6.
Rucker, Robert H., doing business as Rucker Burton Dry Goods Store, Blackwell, Okla. Sweeping and whisk brooms, brushes, and dusters. 225,038; Apr. 6.
St. Paul Canning Co., St. Paul, Ind. Canned corn, pumpkin, and tomatoes. 226,448; Apr. 6.
Sampson Remedy Co., Wichita, Kans. Medicinal compounds for the treatment of goiter. 205,955; Apr. 6.
Scheid Engineering Corporation, New York, N. Y. Vehicle stands. 209,055; Apr. 6.
Schmidt, C., & Sons, Inc., Philadelphia, Pa. Nonalcoholic malt beverage. 214,565; Apr. 6.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Brooms, painters' brushes, whisk brooms, mops, etc. 225,734; Apr. 6.
Seaman Paper Company, Chicago, Ill. Printing paper. 225,142; Apr. 6.
Sears, Roebuck, and Co., Chicago, Ill. Cornets, trumpets, slide trombones, etc. 210,860; Apr. 6.
Shinjiro Horii, Tokyo, Japan. Stencil sheets. 223,581–2; Apr. 6.
Shouse, Otis K., doing business as Capitol-Lax Company, Winston-Salem, N. C., and Washington, D. C. Chewing gum and candy laxatives. 227,918; Apr. 6.
Sinclair, John, Limited, Newcastle-on-Tyne, England. Cigars, cigarettes, and smoking, chewing, and leaf tobacco. 210,143–4; Apr. 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Carbohydrate compound for the treatment of diabetes. 224,834; Apr. 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Carbohydrate compound for the treatment of diabetes. 224,836; Apr. 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Carbohydrate compound for the treatment of diabetes. 224,839; Apr. 6.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 227,795; Apr. 6.
Speed-A-Way Manufacturing Co. (See Keating, James J.)
Splenox Co., The, Dallas, Tex. Coconut-oil shampoo and dandruff remedy. 226,113; Apr. 6.
Sportcraft Knitting & Manufacturing Co., Seattle, Wash. Knitted clothing and substitute. 209,370; Apr. 6.
Standard Paper Manufacturing Company, Richmond, Va. Blotting paper. 221,142; Apr. 6.
Stern & Stern Textile Importers, Inc., New York, N. Y. Chiffon in the piece. 227,756; Apr. 6.
Stutz Motor Car Company of America, Inc., Indianapolis, Ind. Automobiles. 225,622; Apr. 6.
Supreme Shirt Company, Philadelphia, Pa. Men's dress, negligee, and work shirts. 225,324; Apr. 6.
Takamine Laboratory, Inc., Clifton, N. J. Preparation to be used in bread making or as yeast food. 226,696; Apr. 6.
Theis, Hugh H., doing business as White Lion Rubber Works, Taylor, Tex. Patches. 203,761; Apr. 6.
Thompson, C. C., Pottery Company, The, East Liverpool, Ohio. Pottery, earthenware, chinaware, crockery, and porcelain. 227,924; Apr. 6.
Tops-All Overall Co. (See Bourgoin, Francis W.)
Triad Products Co. (See Geaslen, Richard L.)
Trieste Importing Co., Inc., New York, N. Y. Olive oil. 218,883; Apr. 6.
United Laboratories, The, Pasadena, Calif. Emulsion of petrolatum with malt. 227,486–9; Apr. 6.
Universal Handkerchief Manufacturing Co., New York, N. Y. Handkerchiefs. 223,003; Apr. 6.
Wallace Milling Company, The, Huntingburg, Ind. Corn meal. 226,795; Apr. 6.
Ward, C. J., doing business as Zenith Fire Appliance Company, Reno, Nev. Fire-extinguishing compound. 226,317; Apr. 6.
Wardrop Co., Inc., The, New York, N. Y. Bread. 208,937; Apr. 6.
Wardrop Co., Inc., The, New York, N. Y. Bread and cake. 208,938; Apr. 6.
Wathen, R. E., & Company, Louisville, Ky. Whiskey. 226,701; Apr. 6.
Weaver and Smith, Lawrence, Kans. Soap. 225,386; Apr. 6.
White Company, The, Cleveland, Ohio. Annual publications. 226,872; Apr. 6.
White Lion Rubber Works. (See Theis, Hugh H.)
Whitney, Floyd W., Ysleta, Tex. Fresh cantaloupes and tomatoes. 220,586; Apr. 6.
Whole O'Wheat Company, Seattle, Wash. Breakfast foods. 207,215; Apr. 6.
Wilfred Laboratories, Inc., New York, N. Y. Toilet preparations. 220,380; Apr. 6.
Wolverine Bottling Works, The, Detroit, Mich. Nonalcoholic, maltless beverage sold as a soft drink. 218,350; Apr. 6.
York Manufacturing Co. Inc., New York, N. Y. Cloth comprised entirely of cotton, cotton and rayon, or cotton and silk mixtures. 227,762–4; Apr. 6.
Zenith Fire Appliance Company. (See Ward, C. J.)
Zook, Charles A. B., doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Compounds for eliminating roundworms in poultry and for use as an insecticide. 226,796; Apr. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. S. J. Patterson Company. 211,352; Apr. 6.
Leather. Barnet Leather Co. 50,603; renewed Mar. 27, 1926.
Leather for shoes, Patent. W. D. Byron & Sons. 55,342; Renewed Aug. 14, 1926.
Leather, Sole. Walker Limited. 211,261; Apr. 6; Serial No. 217,841; published Dec. 29, 1925.
Molding compositions. Bakelite Corporation. 211,200; Apr. 6; Serial No. 222,152; published Jan. 12, 1926.
Paper makers, Cotton driers for. Joseph Porritt & Sons Limited. 211,219; Apr. 6; Serial No. 216,358; published Dec. 15, 1925.
Phenols and formaldehyde, Condensation products of. Bakelite Corporation. 211,147–8; Apr. 6; Serial Nos. 221,584–5; published Dec. 15, 1925.
Rubber substitutes. Dermatine Company Limited. 50,018; renewed Feb. 27, 1926.

CLASS 2.

Bags, Paper. Union Bag & Paper Company. 50,838; renewed Apr. 3, 1926.
Bags, Paper. Union Bag & Paper Company. 52,383; renewed May 8, 1926.
Bags, Paper. Union Bag & Paper Company. 52,385–6; renewed May 8, 1926.

Bags, Paper. Union Bag & Paper Company. 53,234; renewed May 29, 1926.
Bags, Paper. Union Bag & Paper Company. 53,577; renewed June 5, 1926.
Bags, Paper. Union Bag & Paper Company. 54,223; renewed June 19, 1926.
Boxes, vacuum bottles, vacuum food jars, etc., Lunch. Manning, Bowman & Co. 211,139; Apr. 6; Serial No. 206,179; published Jan. 19, 1926.
Containers, or receptacles, Heat-insulated. J. E. O'Brien. 211,145; Apr. 6; Serial No. 212,287; published June 16, 1925.
Cups, Paper. Vortex Mfg. Co., The. 211,076; Apr. 6; Serial No. 206,985; published Jan. 19, 1926.
Tanks, Steel. Chicago Bridge & Iron Works. 211,296; Apr. 6.

CLASS 4.

Abrasive cloth and paper. H. H. Barton & Son Company. 211,297; Apr. 6.
Creams, Shaving. Lightfoot Schultz Company. 211,338; Apr. 6.
Polishing compound for metal goods. Lubszynski & Co. 27,067; renewed Sept. 10, 1925.
Preservatives and fillers for belts. Cling-Surface Company. 53,307; renewed May 29, 1926.
Soap. N. K. Fairbank Company. 53,007; renewed May 22, 1926.
Soap. N. K. Fairbank Company. 55,045. renewed Aug. 7, 1926.
Soap. R. Hudnut's Pharmacy. 52,080; renewed May 1, 1926.
Soap. G. A. Schmidt. 50,695; renewed Mar. 27, 1926.
Soap. Geo. A. Schmidt Co. 53,976; renewed June 19, 1926.
Soap, Toilet. Geo. A. Schmidt Co. 53,341; renewed May 29, 1926.
Soap, Weight-reducing or obesity-relieving. Eddine Manufacturing Company. 211,335; Apr. 6.
Solvents, Dry-cleaner. Safe-Home Laboratory Co. 211,333; Apr. 6.
Steel wool. American Steel Wool Mfg. Co. 211,345; Apr. 6.

CLASS 5.

Cement, Transparent liquid. P. J. Breivogel. 211,172; Apr. 6; Serial No. 223,459; published Jan. 26, 1926.
Glue and cement, Adhesive. Superior Glue Co. 211,274; Apr. 6; Serial No. 214,188; published Jan. 12, 1926.

CLASS 6.

Alum, antiseptics, hair tonic, foot powder, etc. Aktiebolaget Yvyfabriken. 211,214; Apr. 6; Serial No. 191,113; published Sept. 15, 1925.
Antiseptic solution for the treatment of the nose and throat and for defective hearing. Hance Brothers & White, Inc. 211,238; Apr. 6; Serial No. 212,806; published Jan. 5, 1926.
Baking powder. Cleveland Baking Powder Company. 52,994; renewed May 22, 1926.
Baking powder. H. C. Kegeler. 27,957; renewed Mar. 17, 1926.
Baking powder. Price Baking Powder Company. 52,734; renewed May 15, 1926.
Baking soda and baking powder. Church & Dwight Company. 52,292; renewed May 8, 1926.
Bitters, Vegetable. E. S. and E. A. Hay. 51,931; renewed Apr. 24, 1926.
Cement, Radiator and boiler. Nielsen Radiator Cement Co. 211,366; Apr. 6.
Chemical composition for obliterating characters in paper stencils. Rapid Addressing Machine Company. 211,191; Apr. 6; Serial No. 222,406; published Jan. 12, 1926.
Cod-liver oil and emulsion thereof. Talby-Nason Co. 211,158; Apr. 6; Serial No. 223,203; published Dec. 29, 1925.
Compound for the treatment of diseases of female organs. Herriline Rosette Mfg. Co. 211,279; Apr. 6; Serial No. 221,063; published Jan. 5, 1926.
Cosmetics. Societe Nouvelle de Parfumerie. 211,077; Apr. 6; Serial No. 212,404; published July 21, 1925.
Cosmetics and preparations. U. G. Beck. 27,641; renewed Jan. 14, 1926.
Cream, face powder, hair tonic, etc., Massage. L. L. Schaefer. 211,079; Apr. 6; Serial No. 216,483; published Jan. 5, 1926.
Cream of tartar. Royal Baking Powder Company. 54,120; renewed June 19, 1926.
Cream face powders, rouge, etc. Chicago Hairdressing Academy, Inc. 211,212; Apr. 6; Serial No. 210,712; published June 16, 1925.
Creams, Facial. I. Hubert. 54,992; renewed Aug. 7, 1926.
Creams, hair pomades, rouge, etc., Face. F. N. Lewis. 211,192; Apr. 6; Serial No. 222,328; published Jan. 5, 1926.
Dentifrice. Jennings Company. 47,802; renewed Nov. 21, 1925.
Dentifrices. Mornanite Laboratories. 211,227; Apr. 6; Serial No. 207,025; published Nov. 10, 1925.
Dressings for external use for affections of the skin, abscesses, etc. Madame P. Sabatier. 211,167; Apr. 6; Serial No. 223,662; published Jan. 12, 1926.
Dye, Leather. I. Sherman. 211,196; Apr. 6; Serial No. 222,195; published Jan. 5, 1926.
Face powder and packs, pore cream, wave lotion, perfumes, etc. Crystal-Lee, Inc. 211,091; Apr. 6; Serial No. 222,443; published Dec. 22, 1925.
Hair grower, facial cream, and face powder. O. D. R. Johnson. 211,220; Apr. 6; Serial No. 215,983; published Aug. 4, 1925.
Hair pomades. W. A. Stone. 211,085; Apr. 6; Serial No. 223,202; published Dec. 29, 1925.
Hair-treating preparation. A. Nigri. 211,237; Apr. 6; Serial No. 211,606; published Jan. 12, 1926.
Ink eraser or eradicator. A. M. Phillips. 211,083; Apr. 6; Serial No. 222,796; published Dec. 22, 1925.
Insecticides. Andrew Wilson, Incorporated. 211,233; Apr. 6; Serial No. 207,279; published Jan. 5, 1926.
Javelle water. Fyon & Fyon Limited. 211,278; Apr. 6; Serial No. 221,111; published Jan. 12, 1926.
Laxatives. Chester Kent & Co. 47,267; renewed Oct. 31, 1925.
Liniment. D. Ransom, Son and Company. 51,519; renewed Apr. 17, 1926.
Liniment for horses. F. Kampfenkel. 211,282; Apr. 6; Serial No. 220,237; published Jan. 5, 1926.
Lotion and salve, Eye. A Savas. 211,277; Apr. 6; Serial No. 221,207; published Jan. 5, 1926.
Medicinal preparation. First National Laboratories, Inc. 211,284; Apr. 6; Serial No. 220,118; published Jan. 5, 1926.
Medicinal preparation. J. F. Justin. 211,124; Apr. 6; Serial No. 219,395; published Nov. 10, 1925.
Medicine and liniment. L. J. Urbanski. 211,178; Apr. 6; Serial No. 223,827; published Jan. 12, 1926.
Medicine extracts and oils. A. H. Gottschall. 28,048; renewed Mar. 31, 1926.
Medicine for malaria. Upjohn Company. 211,190; Apr. 6; Serial No. 222,419; published Jan. 5, 1926.
Medicine for the heart and internal organs. A. Boehringer. 211,257; Apr. 6; Serial No. 218,550; published Jan. 12, 1926.
Medicine for the relief of dyspepsia, etc. Eneglotaria Medicine Co. 211,202; Apr. 6; Serial No. 221,888; published Jan. 12, 1926.
Medicine for the throat and chest. St. Jacobs Oil Company. 211,194–5; Apr. 6; Serial Nos. 222,200–1; published Jan. 12, 1926.
Medicine, Poultry. Dr. Hess & Clark. 55,752; renewed Aug. 21, 1926.
Medicine to be used in dermatology, venerology, gynecology, and in the treatment of cancer. H. Truttwin. 211,246; Apr. 6; Serial No. 179,016; published Dec. 22, 1925.
Medicine, toothache, corn, cough, and cold medicines, salve, etc., Asthma. J. J. Georgia. 211,090; Apr. 6; Serial No. 221,891; published Dec. 22, 1925.
Medicines, Cough. J. J. Schott Drug Co. 211,353; Apr. 6.
Nail polish. Dr. J. Parker Pray Company. 54,273; renewed June 26, 1926.
Ointment. D. Ransom, Son and Company. 51,518; renewed Apr. 17, 1926.
Ointment. Standard Medical Company. 211,359; Apr. 6.
Ointments, remedies for coughs and kindred complaints, colic, cholera, etc. E. E. Sutherland Medicine Co. 28,281; renewed May 19, 1926.
Pastils, Bronchial. Hance Brothers & White, Inc. 211,234; Apr. 6; Serial No. 212,807; published Jan. 5, 1926.
Perfume. B. Altman & Co. 211,271; Apr. 6; Serial No. 217,383; published Jan. 12, 1926.
Perfumery. Bonwit Teller & Co. 211,193; Apr. 6; Serial No. 222,215; published Jan. 12, 1926.
Peroxide of hydrogen, sheep dip, and disinfectant. Peroxide Manufacturing & Specialty Co. 211,344; Apr. 6.
Petroleum jelly and preparation thereof. Chesebrough Manufacturing Co. (Consolidated). 211,183; Apr. 6; Serial No. 223,081; published Jan. 12, 1926.
Petroleum or mineral jelly. Wilburine Oil Works, Ltd. 52,122; renewed May 1, 1926.
Pills. J. F. Ballard. 55,628; renewed Aug. 21, 1926.
Poison or exterminator for rats, vermin, and insects. E. S. Wells. 51,852; renewed Apr. 24, 1926.
Powder and sachet powder, Toilet. R. Hodnut's Pharmacy. 52,160; renewed May 1, 1926.
Powder for drying the hair. Waldeyer & Betts. 49,085; renewed Jan. 23, 1926.
Powder, Talcum. H. E. Kelly. 211,182; Apr. 6; Serial No. 223,095; published Jan. 12, 1926.
Powder, Talcum. Remiller Co. 211,339–41; Apr. 6.
Powder, toilet and cold creams, etc., Face. A. J. Krank Manufacturing Co. 211,105; Apr. 6; Serial No. 173,430; published Dec. 30, 1924.
Powders and creams, perfumes, hair oils, etc., Face. La Valliere Co. 211,262; Apr. 6; Serial No. 217,469; published Jan. 5, 1925.
Powders, Face. C. Hallquist. 211,367; Apr. 6.
Powders, face creams, skin lotions, rouges, perfumes, etc., Face. H. D. Saurer. 211,203; Apr. 6; Serial No. 221,776; published Jan. 5, 1926.
Preparation for the treatment of piles. Dr. Kade's Medizinisch-Pharmazeutisches Fabrikations- & Exportgeschäft Dr. Franz Lutze. 211,256; Apr. 6; Serial No. 218,560; published Jan. 5, 1926.
Preparations, Dietetic albuminous. Bauer & So. 53,028; renewed May 22, 1926.

Preparations for prevention of venereal diseases. Edward J. Moore Sons, Inc. 211,177; Apr. 6; Serial No. 223,858; published Jan. 12, 1926.
Preparations for the diseases of the throat and lungs, hair preservative, etc. National Remedy Company. 211,189; Apr. 6; Serial No. 222,475; published Jan. 5, 1926.
Preparations for the relief of cold feet and abnormal foot transpiration. G. Engelhardt. 211,084; Apr. 6; Serial No. 223,118; published Dec. 29, 1925.
Remedies. F. Emerson. 47,714; renewed Nov. 14, 1925.
Remedies and weight-reducing medicaments, Obesity. Edline Manufacturing Company. 211,337; Apr. 6.
Remedies for skin and flesh wounds and diseases of animals. Bickmore Gall Cure Company. 28,282; renewed May 19, 1926.
Remedy for corns, calli, and bunions. "Corn-Off" Co. 211,215; Apr. 6; Serial No. 183,197; published Aug. 19, 1924.
Remedy, Internal and external. D. Ramson, Son and Company. 51,925; renewed Apr. 24, 1926.
Remedy, Veterinary. D. Binkley. 48,437; renewed Dec. 26, 1925.
Rouge. Remilier Co. 211,336; Apr. 6.
Salt. Brown & Shaw. 53,777; renewed June 12, 1926.
Salve. M. Christner. 211,236; Apr. 6; Serial No. 213,770; published Jan. 5, 1926.
Salve. E. O'Connor. 211,078; Apr. 6; Serial No. 215,650; published Dec. 22, 1925.
Shampoo. A. M. Alexander. 211,074; Apr. 6; Serial No. 223,156; published Jan. 5, 1926.
Shampoo. A. M. Alexander. 211,181; Apr. 6; Serial No. 223,157; published Jan. 5, 1926.
Tablets, Dyspepsia. Owl Drug Company. 211,180; Apr. 6; Serial No. 223,738; published Jan. 12, 1926.
Tablets, kidney pills, laxative wafers, gas and indigestion tablets, and pile medicine, Cold. D. Weeks & Company. 211,343; Apr. 6.
Tonic in the treatment of diseases from malaria, nasal spraying solution, etc. J. A. Wood. 211,242; Apr. 6; Serial No. 201,273; published Jan. 5, 1926.
Tonic, Laxative. J. H. Lee. 211,169; Apr. 6; Serial No. 223,539; published Jan. 12, 1926.
Wart remedy. A. G. Mumm & Co. 211,168; Apr. 6; Serial No. 223,535; published Jan. 12, 1926.
Worm expeller for dogs. G. G. Anderson. 211,179; Apr. 6; Serial No. 223,759; published Jan. 12, 1926.

CLASS 7.

Rope, Wire. Durable Wire Rope Co. 49,947; renewed Feb. 27, 1926.
Twine. R. C. Hyland. 211,116; Apr. 6; Serial No. 220,779; published Dec. 15, 1925.

CLASS 8.

Pipes, cigar and cigarette holders and cases, etc. S. Gordon. 211,248; Apr. 6; Serial No. 145,062; published Nov. 15, 1921.

CLASS 10.

Fertilizer. Nitrate Agencies Company. 211,188; Apr. 6; Serial No. 222,476; published Jan. 5, 1926.
Fertilizers. Kelly, Weber & Company, Ltd. 211,331; Apr. 6.
Fertilizers, Artificial. Spartanburg Fertilizer Co. 49,877; renewed Feb. 20, 1926.

CLASS 12.

Bricks. Silica Brick & Engineering Company. 211,294; Apr. 6.
Lumber and millwork. J. V. Greever Lumber Co. 211,153; Apr. 6; Serial No. 209,573; published Nov. 24, 1925.
Lumbers. Cadwallader-Gibson Lumber Co. 211,301–2; Apr. 6.
Marble, Artificial. Marbleloid Company. 55,485; renewed Aug. 14, 1926.
Plastic compound. P. Reuter-Lorenzen. 211,144; Apr. 6; Serial No. 212,149; published Oct. 20, 1925.
Strips, Weather. Diamond Metal Weather Strip Co. 211,315; Apr. 6.
Tiles, Floor. A C Spark Plug Company. 211,319; Apr. 6.

CLASS 13.

Andirons and door knockers. Rostand Manufacturing Company. 211,313; Apr. 6.
Boot protectors. Blakey's Boot Protectors, Limited. 53,114; renewed May 29, 1926.
Chains. Link-Belt Company. 211,222; Apr. 6; Serial No. 213,792; published Jan. 5, 1926.
Clips Rope. American Hoist & Derrick Company. 50,804; renewed Apr. 3, 1926.
Cooking utensils. Super Maid Cook-Ware Corporation. 211,235; Apr. 6; Serial No. 213,410; published Jan. 5, 1926.
Curtain, Rubberized shower. Para Rubber Co. 211,308; Apr. 6.
Devices suitable for the holding of paper. J. M. Mazer. 211,318; Apr. 6.
Metal plates for supporting the heels of footwear. C. W. Ellis. 211,20[illegible]r. 6; Serial No. 218,691; published Jan. 5, 1926.
Metal-tag fasteners. Frank G. Shuman Co. 211,312; Apr. 6.
Pipe and pipe couplings, Steel. Youngstown Sheet and Tube Company. 211,186; Apr. 6; Serial No. 222,536; published Jan. 12, 1926.
Pipe fittings, Brass. U. T. Hungerford Brass & Copper Co. 55,139; renewed Aug. 7, 1926.
Pipe joints. Moran Flexible Joint Co. 55,396; renewed Aug. 14, 1926.
Pipe, Steel. Youngstown Sheet and Tube Company. 211,187; Apr. 6; Serial No. 222,534; published Jan. 12, 1926.
Soap dishes, sponge holders, towel bars, glass shelves, etc. Chinatyle Corp. 211,216; Apr. 6; Serial No. 216,505; published Jan. 5, 1926.
Trays, cake baskets, casserole frames, etc., Bread. Manning, Bowman & Co. 211,230; Apr. 6; Serial No. 206,181; published Jan. 12, 1926.
Valves, Blow-off. Lunkenheimer Company. 52,336; renewed May 8, 1926.
Wire cloth of steel, brass, copper, bronze, and nickel, brass milk strainer, cloth, etc. Audubon Wire Cloth Company. 211,243; Apr. 6; Serial No. 200,602; published Jan. 5, 1926.

CLASS 14.

Car castings, Railway. National Malleable Castings Company. 53,103; renewed May 29, 1926.
Car castings, Railway. National Malleable Castings Company. 53,558–9; renewed June 5, 1926.
Castings, Metal. Pacific Foundry Company. 211,174; Apr. 6; Serial No. 224,347; published Jan. 26, 1926.
Metal and iron and steel bars, billets, etc., Rust-resisting anticorrosive. United Alloy Steel Corporation. 211,281; Apr. 6; Serial No. 220,484; published Dec. 15, 1925.
Rail anchors or anticreepers. P. & M. Company. 211,329; Apr. 6.
Solder. Chicago Solder Company. 211,272; Apr. 6; Serial No. 216,772; published Jan. 12, 1926.
Steel in various forms. Edgar Allen & Co. Limited. 53,543; renewed June 5, 1926.
Steel plates and sheets. Youngstown Sheet and Tube Company. 211,093; Apr. 6; Serial No. 222,535; published Dec. 15, 1925.
Steel sheets, plates, and bars. Youngstown Sheet and Tube Company. 211,081; Apr. 6; Serial No. 222,537; published Dec. 15, 1925.

CLASS 15.

Gasoline. Speedex Gasoline Company of Washington. 211,305; Apr. 6.
Oils, Lubricating. Wilburine Oil Works, Ltd. 52,121; renewed May 1, 1926.
Oils made from petroleum, and lubricanting greases. Standard Oil Company (New Jersey). 211,361; Apr. 6.
Petroleum products. H. K. Stahl Company. 211,306; Apr. 6.

CLASS 16.

Paint, Liquid. Geo. D. Wetherill & Co. Inc. 51,888; renewed Apr. 24, 1926.
Paints and japans, Black. N. Z. Graves Co. Inc. 51,426; renewed Apr. 17, 1926.
Pigments, dry or in oil, White. N. Z. Graves Co. Inc. 44,889; renewed July 25, 1925.

CLASS 17.

Tobacco, Smoking and chewing. S. Jaggers. 211,129; Apr. 6; Serial No. 214,550; published Jan. 19, 1926.

CLASS 19.

Automobile radiators. Koolfast Radiator Company. 211,304; Apr. 6.
Car buffers. Gould Coupler Co. 27,724; renewed Jan. 28, 1926.
Car couplings, Vertical plane. National Malleable Castings Company. 50,952; renewed Apr. 3, 1926.
Shock absorbers and ventilators for automobiles. Kokomo Automotive Mfg. Co. 211,131; Apr. 6; Serial No. 214,873; published Aug. 11, 1925.
Spokes and nipples. Standard Company. 54,949; renewed Aug. 7, 1926.
Trucks, Motor vending. E. J. Greene. 211,363; Apr. 6.

CLASS 21.

Fire-alarm and police signal telegraphing, Apparatus for. Gamewell Fire-Alarm Telegraph Company. 55,117; renewed Aug. 7, 1926.
Radio products. Brunswick-Balke-Collender Company. 211,118; Apr. 6; Serial No. 209,460; published Dec. 29, 1925.

CLASS 22.

Dolls. E. I. Horsman Co. 211,149; Apr. 6; Serial No. 223,918; published Jan. 26, 1926.
Fishing line. Ashaway Line & Twine Manufacturing Company. 211,151; Apr. 6; Serial No. 223,090; published Jan. 26, 1926.
Fishing rods. Horton Manufacturing Company. 52,756; renewed May 15, 1926.
Fishing rods, Steel. Horton Mfg. Co. 50,915; renewed Apr. 3, 1926.
Pork-rind spinners. Enterprise Manufacturing Company. 211,150; Apr. 6; Serial No. 223,958; published Jan. 26, 1926.

Quoits. A. Schoenhut Company. 211,095; Apr. 6; Serial No. 223,337; published Jan. 5, 1926.
Scenic railways. L. A. Thompson Scenic Railway Co. 51,820; renewed Apr. 24, 1926.
Toy automobiles. E. E. Green. 211,109; Apr. 6; Serial No. 223,710; published Jan. 26, 1926.
Toy vehicles. C. Higgins. 211,166; Apr. 6; Serial No. 221,898; published Jan. 19, 1926.

CLASS 23.

Addressing machines. Rapid Addressing Machine Company. 211,199; Apr. 6; Serial No. 22,400; published Jan. 12, 1926.
Bearings, bushings, and journals, Metal. North American Metaline Co. 51,247; renewed Apr. 10, 1926.
Boilers, Flue expanders for steam. J. Faessler Mfg. Co. 211,128; Apr. 6; Serial No. 214,146; published Jan. 12, 1926.
Concrete aggregates, Proportioning plants for. Blaw-Knox Company. 211,130; Apr. 6; Serial No. 214,776; published Jan. 12, 1926.
Condensers, Surface and jet. Wheeler Condenser & Engineering Co. 54,316; renewed June 26, 1926.
Engines and their parts, Internal-combustion. Erd Motors Corporation. 211,101; Apr. 6; Serial No. 221,601; published Jan. 12, 1926.
Fluid-pressure machines and tools. Chicago Pneumatic Tool Company. 211,165; Apr. 6; Serial No. 222,108; published Jan. 12, 1926.
Grease cups. Lunkenheimer Company. 49,887; renewed Feb. 20, 1926.
Grease cups. Lunkenheimer Company. 50,453; renewed Mar. 20, 1926.
Grease cups. Lunkenheimer Company. 52,335; renewed May 8, 1926.
Grinders for textile cards, calender rolls for paper mills, etc. B. S. Roy & Son Co. 211,120; Apr. 6; Serial No. 220,575; published Jan. 12, 1926.
Harrows, revolving plows, cultivators, and seeders. Cutaway Harrow Co. 28,461; renewed June 23, 1926.
Ice picks and ice shavers. Wm. Schollhorn Co. 211,141; Apr. 6; Serial No. 220,880; published Jan. 12, 1926.
Knives, Safety. C. Klaiber. 211,122; Apr. 6; Serial No. 219,671; published Jan. 12, 1926.
Machinery for purifying and softening water. Wm. B. Scaife & Sons Company. 211,264; Apr. 6; Serial No. 221,384; published Jan. 26, 1926.
Machines for beading bolts and rivets. National Machinery Co. 211,324; Apr. 6.
Machines for making tools, and tools. O. Hafner. 211,102; Apr. 6; Serial No. 221,316; published Jan. 12, 1926.
Mills for grinding grain, coffee, spices, chocolate, etc., Hand. C. S. Bell Co. 211,098; Apr. 6; Serial No. 224,073; published Jan. 12, 1926.
Mowers, Lawn. Van Nette Lawn Mower Company. 211,285; Apr. 6; Serial No. 222,719; published Jan. 26, 1926.
Nail pullers. Tower & Lyon Co. 48,748; renewed Jan. 9, 1926.
Needles, Knitting-machine. Excelsior Needle Company. 54,918; renewed Aug. 7, 1926.
Oil cups. Lunkenheimer Company. 50,595; renewed Mar. 27, 1926.
Pickers and burring machines and attachments and parts thereof. Curtis & Marble Machine Co. 49,945; renewed Feb. 27, 1926.
Pickers and burring machines and attachments and parts thereof. Curtis & Marble Machine Co. 49,967; renewed Feb. 27, 1926.
Piston pins. American Gear Company. 211,137; Apr. 6; Serial No. 221,867; published Jan. 12, 1926.
Pistons. Permite Piston Co. 211,097; Apr. 6; Serial No. 224,041; published Jan. 12, 1926.
Plows and their parts. Bucher & Gibbs Plow Company. 28,006; renewed Mar. 24, 1926.
Pumps and pump parts. Luitweiler Pumping Engine Co. 211,229; Apr. 6; Serial No. 205,277; published Mar. 31, 1925.
Pumps, Centrifugal. Wheeler Condenser & Engineering Co. 53,672; renewed June 12, 1926.
Rasps. Stokes Bros. Manufacturing Co. 55,123; renewed Aug. 7, 1926.
Razors. C. F. Butcher. 28,050; renewed Mar. 31, 1926.
Scissors and shears. Acme Shear Company. 211,099; Apr. 6; Serial No. 221,655; published Jan. 12, 1926.
Screw drivers. Stanley Rule & Level Company. 54,951; renewed Aug. 7, 1926.
Tongs, Cooking. J. P. Herrick. 211,269; Apr. 6; Serial No. 219,483; published Jan. 26, 1926.
Tools, Edge. Cleveland Twist Drill Company. 55,115; renewed Aug. 7, 1926.
Tools, Edge. Cleveland Twist Drill Company. 55,126; renewed Aug. 7, 1926.
Transmissions for automobiles and other motor vehicles. Tiger Transmission Company. 211,197; Apr. 6; Serial No. 222,529; published Jan. 12, 1926.
Vending machines, Pop-corn and peanut. W. D. Root. 211,112–14; Apr. 6; Serial Nos. 183,856–8; published Jan. 12, 1926.
Vises and clamps. Columbia Hardware Company. 211,268; Apr. 6; Serial No. 220,639; published Dec. 1, 1925.
Water-softening apparatus. R. J. Held. 211,346; Apr. 6.

CLASS 24.

Washing Machines. Boss Washing Machine Company. 211,152; Apr. 6; Serial No. 199,604; published Nov. 3, 1925.
Wringers. American Wringer Company. 53,742; renewed June 12, 1926.
Wringers, Clothes. American Wringer Company. 53,741; renewed June 12, 1926.
Wringers, Clothes. American Wringer Company. 53,995; renewed June 19, 1926.

CLASS 25.

Handcuffs and leg irons. Tower & Lyon Co. 48,746; renewed Jan. 9, 1926.
Handcuffs and leg irons. Tower & Lyon Co. 50,400; renewed Mar. 13, 1926.
Twisters, Police. Tower & Lyon Co. 48,747; renewed Jan. 9, 1926.

CLASS 26.

Battery-testing devices. Forest Electric Co. 211,288; Apr. 6; Serial No. 222,374; published Jan. 12, 1926.
Camera and film kits, Combination. Ansco Photoproducts, Inc. 211,210; Apr. 6; Serial No. 224,795; published Jan. 26, 1926.
Drawing instruments. Keuffel & Esser Company. 211,206; Apr. 6; Serial No. 223,523; published Jan. 5, 1926.
Markers, Skirt. Best Skirt Marker Company. 211,317; Apr. 6.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 211,211; Apr. 6; Serial No. 224,373; published Jan. 26, 1926.
Patterns, Paper. R. H. Macy & Co. 211,107; Apr. 6; Serial No. 223,648; published Jan. 5, 1926.
Photographic paper, Light-sensitive. Eastman Kodak Company. 211,208; Apr. 6; Serial No. 223,507; published Jan. 5, 1926.
Regulators, Oven heat. American Stove Company. 211,314; Apr. 6.

CLASS 27.

Watches and watchcases. Joseph Fahys & Co. 211,132; Apr. 6; Serial No. 214,953; published Sept. 8, 1925.

CLASS 28.

Rings, Gold-plated. F. H. Sadler Co. 49,496; renewed Feb. 6, 1926.
Silver hollow ware, flatware, and tableware. American Silver Company. 55,017; renewed Aug. 7, 1926.
Silver-plated flatware, hollow ware, and tableware. Wm. A. Rogers Limited. 48,493; renewed Jan. 2, 1926.
Silver-plated hollow ware. Bernard Rice's Sons. 55,248; renewed Aug. 7, 1926.

CLASS 29.

Brooms. American Broom & Brush Co. 52,288; renewed May 8, 1926.
Brooms. American Broom & Brush Co. 52,405; renewed May 8, 1926.
Brooms. American Broom & Brush Co. 54,567; renewed June 26, 1926.
Brush backs and handles, Bakelite Corporation. 211,198; Apr. 6; Serial No. 222,433; published Jan. 26, 1926.
Brushes, Pro-phy-lac-tic Brush Company. 211,108; Apr. 6; Serial No. 223,656; published Jan. 26, 1926.
Brushes, Artists'. M. Grumbacher. 211,117; Apr. 6; Serial No. 189,108; published Jan. 26, 1926.

CLASS 31.

Refrigerators. Arlington Refrigerator Co. 211,347; Apr. 6.
Refrigerators. Arlington Refrigerator Co. 211,350; Apr. 6.
Refrigerators. Louisville Refrigerator Corporation. 211,175; Apr. 6; Serial No. 224,144; published Jan. 26, 1926.

CLASS 32.

Chairs, sofas, settees, davenports, and couches, Office. Taylor Chair Company. 211,293; Apr. 6.
Furniture, cushions, and pillows, Detachable fabric coverings for. Spencer-Duffy Company. 211,103; Apr. 6; Serial No. 221,285; published Jan. 12, 1926.
Furniture, Reed and rattan. San Francisco Association for The Blind. 211,221; Apr. 6; Serial No. 215,272; published Jan. 12, 1926.
Mattresses. Jordan Marsh Company. 211,207; Apr. 6; Serial No. 223,514; published Jan. 12, 1926.
Mattresses, pillows, and bed springs. Progress Bedding Co. 211,226; Apr. 6; Serial No. 206,688; published Dec. 22, 1925.
Tables, chairs, and cabinets. A. Wertheim, Inc. 211,133; Apr. 6; Serial No. 215,886; published Jan. 12, 1926.

CLASS 34.

Heaters and parts thereof, Steam and hot-water. Herendeen Manufacturing Co. 51,497; renewed Apr. 17, 1926.
Heaters, Feed-water. Wheeler Condenser & Engineering Co. 54,300; renewed June 26, 1926.
Stoves and furnaces. F & L Kahn & Bros. 52,330; renewed May 8, 1926.

Stoves, ranges, furnaces, heaters, and parts thereof. Magee Furnace Co. 49,717; renewed Feb. 13, 1926.

CLASS 35.

Belting, Machine. Main Belting Company. 51,471; renewed Apr. 17, 1926.
Belts for internal-combustion engines, Fan. Oregon Fan Belt Manufacturing Company. 211,364; Apr. 6.
Hose, cotton rubber lined, linen, and cotton hose, Hydraulic. Bowers Rubber Co. 28,078; renewed Apr. 7, 1926.
Machinery packing. C. Nuhring. 52,983; renewed May 22, 1926.
Packing, Machinery. Westinghouse Air Brake Company. 211,173; Apr. 6; Serial No. 223,264; published Jan. 19, 1926.
Piston rings. J. R. Petrie. 211,362; Apr. 6.
Piston rings. Solenberger Piston Ring Company. 211,249; Apr. 6; Serial No. 196,936; published July 29, 1924.
Tires and inner tubes and outer casings thereof, Pneumatic. A. Goldstein. 211,170–1; Apr. 6; Serial Nos. 223,509–10; published Jan. 12, 1926.
Tires and tubes, Patches for pneumatic. R. F. Reeve. 211,283; Apr. 6; Serial No. 220,140; published Jan. 19, 1926.

CLASS 37.

Books, albums, portfolios, etc., Blank. C. C. Miles. 211,125; Apr. 6; Serial No. 217,081; published Dec. 29, 1925.
Envelopes, Mailing. Berkowitz Envelope Company. 211,299–300; Apr. 6.

CLASS 38.

Bulletin, Weekly. Cook County Real Estate Board. 211,154; Apr. 6; Serial No. 211,081; published Dec. 22, 1925.
Plans, copy, sketches, drawings, printed signs, etc. Stevens & Wallis (Incorporated). 211,110; Apr. 6; Serial No. 179,234; published Dec. 29, 1925.

CLASS 39.

Belts. A. Stein & Company. 211,273; Apr. 6; Serial No. 214,514; published Jan. 19, 1926.
Boots and shoes, Leather. H. F. Tapley. 54,925; renewed Aug. 7, 1926.
Boots and shoes, Leather and canvas. Geo. E. Keith Company. 55,152; renewed Aug. 7, 1926.
Boots, shoes, and slippers. Scholl Manufacturing Company. 211,275; Apr. 6; Serial No. 206,087; published Jan. 19, 1926.
Boots, shoes, and slippers, shoe heels, and hosiery, top lifts, etc., Men's and women's. Pedox Produx Inc. 211,080; Apr. 6; Serial No. 217,291; published Jan. 5, 1926.
Boots, shoes, and slippers, Women's. Ault-Williamson Shoe Company. 211,280; Apr. 6; Serial No. 220,935; published Jan. 5, 1926.
Caps, Knitted. Reliable Knitting Works. 211,320; Apr. 6.
Cloaks, dress skirts, dress waists, and tailor-made suits. Bedell Company. 55,049; renewed Aug. 7, 1926.
Coats, bath robes, skirts, etc., Infants' and children's. Greenberg & Berson. 211,146; Apr. 6; Serial No. 213,173; published Sept. 29, 1925.
Coats or sweaters and bathing suits, Infants' sacks, bootees, and bonnets, Knitted sport. J. Persky. 211,348; Apr. 6.
Coats, vests, and trousers, and overcoats for men and young men. Chas. Douglis Mack Co. 211,311; Apr. 6.
Coats, vests, trousers, and overcoats for men. Frankel Bros. 211,323; Apr. 6.
Corsets. G. Chandler. 55,923; renewed Aug. 21, 1926.
Corsets, brassières, girdles, and bandeaux. Venus Brassiere Co., 211,073; Apr. 6; Serial No. 223,878; published Jan. 5, 1926.
Corsets, brassières, girdles, and bandeaux. Venus Brassiere Co. 211,092; Apr. 6; Serial No. 223,755; published Jan. 5, 1926.
Corsets, brassières, girdles, and bandeaux. Venus Brassiere Co. 211,096; Apr. 6; Serial No. 223,754; published Jan. 5, 1926.
Dresses, coats, and ensemble suits. Lanvette Fashions Inc. 211,253; Apr. 6; Serial No. 219,249; published Nov. 24, 1925.
Garters. A. J. Donohue Corporation. 211,087; Apr. 6; Serial No. 222,501; published Jan. 5, 1926.
Gloves. Rothschild Brothers Hat Company. 211,334; Apr. 6.
Hats, Felt. Hill and Loper Company, Incorporated. 211,328; Apr. 6.
Hats, Ladies'. Wieder Bros. Inc. 211,086; Apr. 6; Serial No. 223,829; published Jan. 5, 1926.
Hats, Men's. Murphy-Gorman Company. 211,267; Apr. 6; Serial No. 220,607; published Jan. 19, 1926.
Hats, Women's and misses'. Marshall Field & Company. 211,094; Apr. 6; Serial No. 223,700; published Jan. 5, 1926.
Hosiery. H. M. Sacks. 211,332; Apr. 6.
Hosiery. Vertex Hosiery Mills, Inc. 211,259; Apr. 6; Serial No. 218,380; published Oct. 20, 1925.
Lingerie. Superior Garment Company. 211,325; Apr. 6.
Shirts, Men's work. Caron Pirie Scott & Co. 211,138; Apr. 6; Serial No. 201,886; published Jan. 12, 1926.
Shoes. Dan Cohen Co. 211,321; Apr. 6.
Shoes. Herold-Bertsch Shoe Company. 211,289; Apr. 6; Serial No. 221,962; published Jan. 19, 1926.
Shoes. Plant Bros. & Co. 211,270; Apr. 6; Serial No. 218,930; published Jan. 19, 1926.
Shoes and slippers, Men's and women's. M. E. Bendelari. 211,255; Apr. 6; Serial No. 218,592; published Jan. 5, 1926.
Shoes, Leather. H. W. Merriam Shoe Company. 211,287; Apr. 6; Serial No. 222,472; published Jan. 19, 1926.
Shoes, Women's. Burrows Shoe Company. 211,380; Apr. 6.
Soles for shoes. Regal Rubber Company. 211,228; Apr. 6; Serial No. 211,124; published May 19, 1925.
Suits, dresses, coats, and gloves. Unique Cleaners and Dyers. 211,244; Apr. 6; Serial No. 199,136; published Dec. 30, 1924.
Suits, Men's. R. H. Macy & Co. 211,322; Apr. 6.
Suits, Men's ready-made. Gottfried-Weiss. 211,225; Apr. 6; Serial No. 207,931; published Mar. 17, 1925.
Suspenders. Pioneer Suspender Company. 52,371; renewed May 8, 1926.
Sweathands. Harris & Tipograph, Inc. 211,088; Apr. 6; Serial No. 219,965; published Dec. 29, 1925.
Underwaists, Children's. Nazareth Waist Co. 51,328; renewed Apr. 10, 1926.
Underwear, brassières, and combination brassière and corset, etc. Weingarten Bros. 211,185; Apr. 6; Serial No. 222,770; published Jan. 5, 1926.

CLASS 40.

Beads, beaded bags, dress trimmings, rhinestones, etc. Elliot, Greene & Co. 211,201; Apr. 6; Serial No. 221,954; published Jan. 12, 1926.
Buttons not of precious metal. Hobe Button Co. 211,327; Apr. 6.
Combs. H. C. Laufe. 211,265; Apr. 6; Serial No. 220,308; published Jan. 12, 1926.
Combs and brush cleaners. Fuller Brush Company. 211,241; Apr. 6; Serial No. 203,308; published Dec. 15, 1925.
Elastic and ribbon, Narrow. Isbell-Kent-Oakes Dry Goods Company. 211,218; Apr. 6; Serial No. 216,046; published Jan. 5, 1926.
Elastic webs, Narrow. Geo. S. Colton Elastic Web Co. 211,326; Apr. 6.
Hair curlers. K. McClaire. 211,240; Apr. 6; Serial No. 203,478; published Jan. 5, 1926.
Needles, Hand sewing. James Smith and Son, (Redditch) Limited. 211,251; Apr. 6; Serial No. 217,186; published Jan. 12, 1926.
Shields, Dress. I. B. Kleinert Rubber Co. 55,482; renewed Aug. 14, 1926.

CLASS 42.

Cotton piece goods. J. L. Stifel & Sons. 211,232; Apr. 6; Serial No. 204,123; published Feb. 10, 1925.
Cotton piece goods. M. J. Warner Co. 211,305; Apr. 6.
Piece goods, Galatea cloth. Marshall Field & Company. 211,357; Apr. 6.
Ribbon. New York Merchandise Company. 55,121; renewed Aug. 7, 1926.
Sheetings, shirtings, and drills. R. A. Suffern. 51,600; renewed Apr. 17, 1926.
Silk, rayon, cotton, wool, and mixtures thereof. Amalgamated Silk Corp. 211,295; Apr. 6.

CLASS 43.

Threads and cords, Silk. Brainerd & Armstrong Company. 53,999; renewed June 19, 1926.
Yarns, Embrodiery, knitting, and crocheting. Dexter Yarn Company. 56,065; renewed Aug. 21, 1926.

CLASS 44.

Arch pads. H. D. Emeott. 211,111; Apr. 6; Serial No. 223,775; published Jan. 5, 1926.
Arch supports. Scholl Manufacturing Company. 211,205; Apr. 6; Serial No. 223,551; published Jan. 5, 1926.
Belts, Abdominal. Little Corporal Co. 211,156; Apr. 6; Serial No. 223,394; published Jan. 5, 1926.
Corn pads, rubber heel liners, and bunion shields. Wizard Lightfoot Appliance Company. 211,250; Apr. 6; Serial No. 217,124; published Jan. 5, 1926.
Flesh gloves, massage pads, crutch pads, etc. Sorbo Rubber-Sponge Products Ltd. 211,247; Apr. 6; Serial No. 137,552; published Jan. 5, 1926.
Metatarsal pads and ankle supports. Scholl Manufacturing Company. 211,204; Apr. 6; Serial No. 223,552; published Jan. 5, 1926.
Nipples and pacifiers. New York Merchandise Company. 211,258; Apr. 6; Serial No. 218,498; published Sept. 15, 1925.
Rubber for dental purposes. Traun Rubber Co. 52,191; renewed May 1, 1926.
Rubber goods. Faultless Rubber Co. 53,171; renewed May 29, 1926.
Surgical dressings. Johnson & Johnson. 211,176; Apr. 6; Serial No. 224,096; published Jan. 26, 1926.
Syringes, Urethral. Superior Hard Rubber Company. 211,310; Apr. 6.

CLASS 45.

Beverage sold as a soft drink and sirups for making the same. Jackson Brewing Company. 211,157; Apr. 6; Serial No. 223,387; published Jan. 26, 1926.
Beverages. Equinox Company. 55,926; renewed Aug. 21, 1926.
Beverages. F. Seely. 56,088; renewed Aug. 21, 1926.
Beverages and extracts and sirups for making same. C. F. Wagner. 211,143; Apr. 6; Serial No. 211,639; published June 9, 1925.
Beverages and sirups. H. Fox & Co. 211,155; Apr. 6; Serial No. 223,470; published Jan. 26, 1926.
Beverages and sirups. H. Fox & Co. 211,209; Apr. 6; Serial No. 223,471; published Jan. 26, 1926.
Beverages and sirups for the same, Aerated and tonic. Dr. Pepper Co. 50,668; renewed Mar. 27, 1926.
Beverages sold as soft drinks. H. R. Land. 211,159; Apr. 6; Serial No. 223,176; published Jan. 26, 1926.
Beverages sold as soft drinks and sirups and extracts used in preparation of the same. C. F. Wagner. 211,140; Apr. 6; Serial No. 207,698; published Mar. 10, 1925.
Beverages sold as soft drinks and sirups for making the same, Maltless. H. Kirsch & Co. 211,298; Apr. 6.
Ginger ale, sarsaparilla, root beer, and grape juice. American Stores Company. 211,142; Apr. 6; Serial No. 220,830; published Jan. 26, 1926.
Lithia water. W. G. Taylor. 50,861; renewed Apr. 3, 1926.

CLASS 46.

Apples and peaches, Fresh. J. G. Schlotter & Co. 211,082; Apr. 6; Serial No. 222,636; published Dec. 15, 1925.
Apples, Fresh. Peshastin Fruit Growers Association. 211,231; Apr. 6; Serial No. 203,486; published Feb. 17, 1925.
Biscuits, Dog, cat and fox. Heger Products Company. 211,224; Apr. 6; Serial No. 214,415; published Jan. 12, 1926.
Bread and wheat germ flour and mixed flour containing wheat germs. Keyes Daren Mills Limited. 211,276; Apr. 6; Serial No. 203,957; published Jan. 19, 1926.
Bread, doughnuts, and toast. Purity Bakeries Corporation. 211,223; Apr. 6; Serial No. 214,338; published Jan. 12, 1926.
Cake, Fruit and pound. Perry's Home Made Pound Cake and Fruit Cake Company. 211,307; Apr. 6.
Candies, bonbons, and chocolate creams. M. L. Morgenthau. 55,397; renewed Aug. 14, 1926.
Candy. Paul F. Beich Co. 53,761; renewed June 12, 1926.
Candy. Littlefield & Steere Co. 55,390; renewed Aug. 14, 1926.
Candy. P. Wunderle. 54,959; renewed Aug. 7, 1926.
Canned and tinned salmon. Richard B. Green & Co. 53,792; renewed June 12, 1926.
Canned corn. Portland Packing Company. 53,791; renewed June 12, 1926.
Canned fish. John Braadland Ltd. 211,075; Apr. 6; Serial No. 177,586; published Mar. 10, 1925.
Canned fruit. Theoblad-Berger Co. 211,303; Apr. 6.
Canned fruits and vegetables. Scudders-Gale Grocer Company. 48,465; renewed Jan. 2, 1926.
Canned goods. J. S. Silvers & Bro. Co. Inc. 211,342. Apr. 6.
Canned lobsters, mackerel, clams, and clam chowder. Portland Packing Co. 54,176; renewed June 19, 1926.
Canned oysters, shrimp, lobsters, clams, and crabs. M. J. Boyer. 55,922; renewed Aug. 21, 1926.
Canned peas and beans, olive oil, rice, etc. Parisi Bros. 211,106; Apr. 6; Serial No. 215,943; published Jan. 12, 1926.
Canned soup. L. E. Deckard. 211,213; Apr. 6; Serial No. 210,226; published Jan. 5, 1926.
Canned tomatoes and tomato extract. Joseph Campbell Preserve Co. 28,162; renewed Apr. 21, 1926.
Canned vegetables. Halstead Canning Co. 211,358; Apr. 6.
Chocolates, Assorted. Kibbe Brothers Company. 211,349; Apr. 6.
Coffee. Woolson Spice Company. 55,627; renewed Aug. 21, 1926.
Coffee, paprika, celery salt, grape jelly, etc. American Stores Company. 211,115; Apr. 6; Serial No. 220,821; published Jan. 12, 1926.
Condiments. Staples Grocery Company. 211,134; Apr. 6; Serial No. 217,533; published Jan. 12, 1926.
Corn meal. Wm. Pollock Milling & Elevator Co. 211,260; Apr. 6; Serial No. 217,897; published Jan. 12, 1926.
Corn meal, corn and oats feed, self-rising pancake flour, etc. White & Sons. 211,263; Apr. 6; Serial No. 211,314; published Jan. 19, 1926.
Extract, Malt. P. Weldner. 211,351; Apr. 6.
Flavoring extracts. Royal Baking Powder Company. 53,209; renewed May 29, 1926.
Flour, Fried-cake. Winchell Flour Company. 211,239; Apr. 6; Serial No. 204,988; published Jan. 12, 1926.
Flour, Self-rising. C. L. Shipman. 211,286; Apr. 6; Serial No. 222,641; published Jan. 12, 1926.
Flour, Wheat. John F. Meyer & Sons Milling Co. 51,794–5; renewed Apr. 24, 1926.
Flour, Wheat. John F. Meyer & Sons Milling Company. 54,516; renewed June 26, 1926.
Flour, Wheat. Saxony Mills. 211,266; Apr. 6; Serial No. 220,922; published Jan. 19, 1926.
Food, Poultry, hog, and cattle. Lactein Co. 211,309; Apr. 6.
Food preparations. Vitamin Food Co. 211,126; Apr. 6; Serial No. 213,538; published July 7, 1925.
Food product. E. T. Duke. 211,164; Apr. 6; Serial No. 222,601; published Jan. 12, 1926.
Food substances, Oleaginous. Swift and Company. 28,781; renewed Aug. 18, 1926.
Food, Wheat breakfast. Cream of Wheat Company. 211,290–1; Apr. 6; Serial Nos. 221,739–40; published Jan. 12, 1926.
Fruit, fancy grapefruit peel, pineapple cores, and cherry pieces, Glacé. Leghorn Preserving Co. 211,163; Apr. 6; Serial No. 222,684; published Jan. 5, 1926.
Gum, Chewing. Peerless Manufacturing Co. 28,393; renewed June 16, 1926.
Gumdrops. Kibbe Brothers Company. 211,354; Apr. 6.
Ice cream. G. Pappas. 211,123; Apr. 6; Serial No. 218,371; published Jan. 12, 1926.
Lard and lard compounds. N. K. Fairbank Company. 49,694; renewed Feb. 13, 1926.
Lozenges and other confections. G. J. Blome. 27,894; renewed Mar. 3, 1926.
Malt, Extract. R. Nemec. 211,121; Apr. 6; Serial No. 219,904; published Jan. 12, 1926.
Margarine, Nut. Armour and Company. 211,292; Apr. 6; Serial No. 221,531; published Jan. 12, 1926.
Marmalades and jam containing nuts. J. Allen. 211,089; Apr. 6; Serial No. 220,281; published Jan. 26, 1926.
Meal, Chick. B-K Feed Mills. 211,217; Apr. 6; Serial No. 216,770; published Jan. 19, 1926.
Milk, Evaporated. Donahoe's Inc. 211,355; Apr. 6.
Milk, Evaporated. United Dairy Company. 211,245; Apr. 6; Serial No. 192,164; published July 21, 1925.
Mustard. Fletcher-Wilson Coffee Co. 211,160; Apr. 6; Serial No. 222,835; published Jan. 12, 1926.
Oil and tomato paste, Olive. J. Antognoli. 211,135; Apr. 6; Serial No. 216,495; published Jan. 12, 1926.
Oranges, lemons, and grapefruit, Fresh. Placentia Orange Growers Association. 211,127; Apr. 6; Serial No. 213,798; published June 23, 1925.
Peaches, plums, nectarines, and grapes, Fresh. Thomas & Horn. 211,252; Apr. 6; Serial No. 220,096; published Jan. 19, 1926.
Peanut butter. Commercial Creamery Company. 211,136; Apr. 6; Serial No. 221,660; published Jan. 12, 1926.
Pepper in vinegar, pickled onions, pickles, etc. G. Cinelli Company. 211,104; Apr. 6; Serial No. 221,238; published Jan. 12, 1926.
Poultry, butter, eggs, sausages, etc., Dressed. Conron Bros. Company. 211,119; Apr. 6; Serial No. 212,785; published Jan. 12, 1926.
Relish, Sweet-pepper. T. O. Michael. 211,162; Apr. 6; Serial No. 222,695; published Jan. 12, 1926.
Sauce. McNamara Bros. 211,100; Apr. 6; Serial No. 221,628; published Jan. 12, 1926.
Sirup, Malt. N. Wasserstrom. 211,161; Apr. 6; Serial No. 222,769; published Jan. 12, 1926.
Sugar. Olavarria & Co. 211,356; Apr. 6.
Vanillin coumarin compound. Kroger Grocery & Baking Co. 211,360; Apr. 6.

CLASS 47.

Wine, Champagne. American Wine Company. 28,269; renewed May 19, 1926.

CLASS 48.

Beers. Beadleston & Woerz. 54,097; renewed June 19, 1926.

CLASS 49.

Whisky. E. H. Taylor, Jr., & Sons, Incorporated. 53,055; renewed May 22, 1926.

CLASS 50.

Incubators and brooders. G. H. Stahl. 27,836; renewed Feb. 18, 1926.
Traps, Animal. W. A. Reddick. 53,641; renewed June 5, 1926.
Waterproof fabrics. Hepton Bros. 26,811; renewed July 16, 1925.

ALPHABETICAL LIST OF LABELS.

Bosch Hydrometer. For Hydrometers. Robert Bosch Aktiengesellschaft. 30,154; Apr. 6.
Claremont Kraft. For Paper. Claremont Paper Company. 30,155; Apr. 6.
Cream of Fruit Chewing Gum. For Chewing Gum. Greene Circle Products Co. 30,158; Apr. 6.
Featherest. For Open-Coil Bed Springs. Englander Spring Bed Co. 30,157; Apr. 6.
Gold Seal. For Hosiery. Philadelphia Knitting Mills Company. 30,171; Apr. 6.
Greenway. For Toilet Paper. A. W. Mendenhall Company. 30,165; Apr. 6.
Hells-Fire Drain Pipe Cleaner. For a Chemical Powder for Cleaning Drain Pipes. Rollins Supply Co. 30,172; Apr. 6.
Lafayette Farms Eggs. For Eggs. Lamm & Lamm, Inc. 30,159; Apr. 6.
Licensed Sleep-Rite Products. For Mattresses. Sleep-Rite Mattress Co. 30,175; Apr. 6.
Long's Fudelax. For a Laxative Preparation. D. B. Long. 30,160; Apr. 6.
Mead's Blue Label Powdered Half Skim Milk. For Powdered Half Skim Milk. Mead Johnson & Company. 30,163; Apr. 6.
Mead's Yellow Label Powdered Whole Milk. For Powdered Whole Milk. Mead Johnson & Company. 30,162; Apr. 6.
Nichols Syphon Powder. For Syphon Powder Containers. H. E. Nichols. 30,169; Apr. 6.
Oneida. For Indian Blankets. N. Shure Co. 30,174; Apr. 6.
Paradise. For Ice Cream. Menasha Printing and Carton Company. 30,164; Apr. 6.
Pat for Indigestion. For a Medicine for Indigestion. M. Shenker. 30,173; Apr. 6.
Rogers Brushing Lacquer. For Nitro-Cellulose Lacquers and Enamels, Undercoatings and Thinners. Detroit White Lead Works. 30,156; Apr. 6.
Snap Shot. For Cigars. J. A. McAdoo. 30,161; Apr. 6.
Spray Paradise. For an Insect Exterminator. A. E. Treadway. 30,176; Apr. 6.
Tite-Top Keep Kold Shipping Jacket. For Shipping Jackets. Peoria Tent & Awning Company. 30,170; Apr. 6.
Yorkshire Farm #1. For Pimento Cheese. John Morrell & Co. 30,166; Apr. 6.
Yorkshire Farm #2. For Limburger Cheese. John Morrell & Co. 30,167; Apr. 6.
Yorkshire Farm #4. For Sharp Cheese. John Morrell & Co. 30,168; Apr. 6.

ALPHABETICAL LIST OF PRINTS.

Coming Soon. For Athletic Underwear. B. V. D. Company. 8,685; Apr. 6.
Excelsior Packing Pads. For Packing Pads. Excelsior Wrapper Company. 8,689; Apr. 6.
For Your Confort's Sake Remember. For Athletic Underwear. B. V. D. Company. 8,686; Apr. 6.
Less than 1¢ a Serving—An Ideal Food for Convalescents. For Wheat Breakfast Food. Cream of Wheat Co. 8,687; Apr. 6.
Moto-Heater. For an Electric Heater for Internal-Combustion Engines of Automobiles. J. F. Sloan. 8,692; Apr. 6.
Schrafft's Chocolates. For Chocolates. W. F. Schrafft & Sons Corp. 8,691; Apr. 6.
The Blue Banner Sales Girl Assortment. For Chocolates. W. F. Schrafft & Sons Corporation. 8,690; Apr. 6.
Where Stationery Styles Originate. For Eaton's Social Stationery. Eaton, Crane & Pike Co. 8,688; Apr. 6.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Clay. Philadelphia Clay Company. 225,136; Apr. 6.

CLASS 2.

Coin holders, Pocket cardboard. Moreland Business Builders, Inc. 225,796; Apr. 6.
Containers for packaging and shipping paints, tar products, wax, etc., Metal. Gender, Paeschke & Frey Co. 225,604; Apr. 6.
Containers, Shipping. Boxboard Products Company. 227,162; Apr. 6.

CLASS 3.

Bags, Hand. Cohn & Rosenberger, Inc. 226,540; Apr. 6.
Bags, Hand. L. J. & M. Lefkowitz, Inc. 227,125; Apr. 6.
Purses and pocketbooks. Buxton, Incorporated. 226,802–3; Apr. 6.

CLASS 4.

Dressing for machinery belts. C. H. Post. 226,971; Apr. 6.
Polish, Silver and gold. Borchard Laboratories. 225,585; Apr. 6.
Soap. Weaver and Smith. 225,386; Apr. 6.
Soap product. Midland Chemical Laboratories, Inc. 226,011; Apr. 6.

CLASS 6.

Antineuralgicum, antipyreticum, antirheumaticum, soporifics, and prophylacticum. Pharmakon A.-G. Chemische Fabrik. 223,655; Apr. 6.
Antiseptic mouth wash. C. E. Gratz. 227,705; Apr. 6.
Bluing, gloss starch, and soda. Foley Bros. Grocery Co. 226,350; Apr. 6.
Carbohydrate compound for the treatment of diabetes. Society of Chemical Industry in Basle. 224,834; Apr. 6.
Carbohydrate compound for the treatment of diabetes. Society of Chemical Industry in Basle. 224,836; Apr. 6.
Carbohydrate compound for the treatment of diabetes. Society of Chemical Industry in Basle. 224,839; Apr. 6.
Compound, Fire-extinguishing. C. J. Ward. 226,317; Apr. 6.
Compounds for eliminating roundworms in poultry and for use as an insecticide. C. A. B. Zook. 226,796; Apr. 6.
Cream, Lemon. G. J. Praechtl. 227,382; Apr. 6.
Cream, powder compacts, tooth paste, eye wash, etc., Cold. Pond's Extract Company. 225,277; Apr. 6.
Cream, rouge, face powder, etc., Cold. Elcaya Co. 226,543; Apr. 6.
Creams and powders, Toilet. A. Holtz. 227,353; Apr. 6.
Deodorant and remedy for stopping or checking perspiration, Perspiration. B. T. Gale. 227,401; Apr. 6.
Dye, Hair. Samuel Bonat & Bro. 227,932; Apr. 6.
Dyes and colorings. Gypsy Dyes, Inc. 227,304; Apr. 6.
Dyes and dyestuffs. E. C. Foster. 227,449; Apr. 6.
Emulsion of petrolatum with malt. United Laboratories. 227,486–9; Apr. 6.
Hairdressing. A. G. Calabro. 227,341; Apr. 6.
Laxatives, Chewing gum and candy. O. K. Shouse. 227,918; Apr. 6.
Medicinal compounds. Sampson Remedy Co. 205,955; Apr. 6.
Medicine and blood purifier, Rheumatism. M. A. Hoffman. 214,360; Apr. 6.
Ointment for preserving the hair. J. Piazza. 227,750; Apr. 6.
Perfume, toilet water, and toilet powder. Parfums Edouardo, a Corporation. 227,186; Apr. 6.
Perfumes, toilet waters, face powder, and talcum powder. George W. Button Corporation. 227,497–8; Apr. 6.
Petroleum jelly and preparations thereof. Chesebrough Manufacturing Co. (Consolidated). 217,502; Apr. 6.
Powder compacts. S. A. Rider Company. 219,494; Apr. 6.
Preparation composed of water or any other fluid rendered radioactive for medicinal purposes. Radium Ores Corporation. 226,160; Apr. 6.
Preparation for sore eyes, granulated lids, trachoma, and all forms of eye weakness. J. Berks. 222,211; Apr. 6.
Preparation for the treatment of syphilis. A. Katsafaros. 226,904; Apr. 6.
Radioactive product, Natural. Radium Ores Corporation. 226,159; Apr. 6.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Remedy, Kidney and backache. F. S. Duffy Medicine Co. 227,723; Apr. 6.
Shampoo and dandruff remedy, Coconut-oil. Splenlox Co. 226,113; Apr. 6.
Suppositories for the prevention and alleviation of diseases of the pelvic organs peculiar to women, venereal diseases, and piles. Dr. Pierre Chemical Co. 222,875; Apr. 6.
Toilet preparations. Wilfred Laboratories, Inc. 220,380; Apr. 6.
Tonic for coughs, colds, etc. Moore Drug Company. 226,108; Apr. 6.

CLASS 10.

Fertilizers. American Agricultural Chemical Company. 225,461; Apr. 6.

CLASS 11.

Ink, Writing. R. A. Belmont. 226,416; Apr. 6.
Inks, Drawing, writing, and marking. Par Vell Laboratories. 227,596; Apr. 6.

CLASS 12.

Brick. Canton Brick and Fireproofing Co. 207,066; Apr. 6.
Cement. A/S Dalen Portland-Cementfabrik. 222,784; Apr. 6.
Cornices, eaves troughs, built-in ventilators, etc., Metal. Northern Corrugating Company. 223,797; Apr. 6.
Mullite, Refractory materials, particularly. Exolon Company, The. 223,225; Apr. 6.
Shingles, Asphalt composition. B. F. Nelson Manufacturing Company. 191,278; Apr. 6.
Shingles, Composition. Richardson Company. 208,870; Apr. 6.
Stucco. Beststone Stucco Company. 226,329; Apr. 6.
Stucco, composition flooring, interior plaster, and dashes, Exterior magnesite. Flint-Rock Stucco Company. 191,377–8; Apr. 6.
Veneer and plywood. American Plywood Corporation. 223,360; Apr. 6.

CLASS 13.

Handles, knobs, knockers, casters, toilet seats, furniture sliders, etc., Door. Bakelite Corporation. 222,425; Apr. 6.

CLASS 17.

Cigars. William Boucher & Sons. 225,253; Apr. 6.
Cigars, cigarettes, and smoking, chewing, and leaf tobacco. John Sinclair Limited. 210,143–4; Apr. 6.

CLASS 19.

Aeroplanes. Curtiss Aeroplane and Motor Company. 226,584; Apr. 6.
Automobiles. Reo Motor Car Company. 225,575; Apr. 6.
Automobiles. Stutz Motor Car Company of America, Inc. 225,622; Apr. 6.
Bicycles, parts thereof, accessories therefor, and sundries relating thereto, (not tires). Des Moines Cycle Co. 214,948; Apr. 6.
Shock absorbers, tire-chain adjusters, axle parts, running-board braces, etc., for vehicles. Joplin Supply Company. 225,561; Apr. 6.

CLASS 21.

Electroplaters. Blue Point Tool Company. 209,117; Apr. 6.
Radio receiving sets and parts thereof. A. H. Grebe & Co., Inc. 222,454; Apr. 6.

CLASS 22.

Carpet sweepers, Toy. Bissell Carpet Sweeper Company. 225,583; Apr. 6.

CLASS 23.

Blades for road graders. Galion Iron Works & Mfg. Co. 226,285; Apr. 6.
Engines, Internal-combustion. Cummins Engine Company. 212,483; Apr. 6.
Engines, Internal-combustion. J. M. Kroyer. 227,180; Apr. 6.
Equipment, Bakery. A. J. Loebig. 221,019; Apr. 6.
Razors, Safety. American Safety Razor Corporation. 215,839; Apr. 6.
Razors, Safety. Gem Safety Razor Corporation. 215,854; Apr. 6.
Vehicle stands. Scheid Engineering Corporation. 209,058; Apr. 6.

CLASS 26.

Cameras, panoramic attachments for cameras, etc., Photographic. Eastman Kodak Company. 226,188; Apr. 6.
Meter frames, disks and cases, speedometer parts, watch glasses, etc. Bakelite Corporation. 221,592; Apr. 6.
Picture films, Series of motion-. International Feature Service, Inc. 226,427; Apr. 6.

CLASS 28.

Brooches, necklaces, dress ornaments, finger rings, etc. Cohn & Rosensberger, Inc. 225,912; Apr. 6.

CLASS 29.

Brooms, brushes, and dusters. R. H. Rucker. 225,038; Apr. 6.
Brooms, painters' brushes, whisk brooms, mops, etc. Schwabacher Bros. & Co. 225,734; Apr. 6.
Mops, dust mops, counter mops, and automobile dust cloths. Kienzall Manufacturing Company. 222,847; Apr. 6.
Powder puffs. M. Levy. 226,106; Apr. 6.

CLASS 30.

Pottery, earthenware, chinaware, crockery, and porcelain. C. C. Thompson Pottery Company. 227,924; Apr. 6.

CLASS 32.

Beds, bed springs, mattresses, pads, and pillows. J. H. McCain. 221,326; Apr. 6.
Chests, dining-room tables, display tables, buffets, etc Oneida Community Limited. 221,917; Apr. 6.
Desks, lowboys, card tables, dressers, beds and Salem chests. A. M. Grant Furniture Company. 225,357; Apr. 6.

CLASS 33.

Glass globes and reflectors. Miller Company. 227,958; Apr. 6.
Glass letters and characters and glass letter plates, etc. Flexlume Corporation. 227,885; Apr. 6.
Lenses and plates, Light-transmitting. Monogram Lens Corporation. 190,084; Apr. 6.

CLASS 34.

Air-conditioning apparatus and cooling and ventilating systems. Arctic Nu-Air Cooling & Ventilating Company. 219,654; Apr. 6.
Air diffusers for auditoriums, Underseat. Knowles Mushroom Ventilator Co. 224,566; Apr. 6.
Heaters, Water. R. L. Geaslen. 225,919; Apr. 6.

CLASS 35.

Belting made of leather, fabric, and rubber. Adwear Process Sole Leather Machine Co. 222,207; Apr. 6.
Dredging sleeves. B. F. Goodrich Company. 223,227; Apr. 6.
Patches. H. H. Theis. 203,761; Apr. 6.
Patches for inner tubes for pneumatic tires. J. J. Keating. 221,618; Apr. 6.
Tire patches, tire-patching outfits, and blow-out boots. New York Auto and Radio Supply Co. 196,184; Apr. 6.

CLASS 36.

Cornets, trumpets, slide trombones, etc. Sears, Roebuck and Co. 210,860; Apr. 6.
Harmonicas and accordions, Mouth. M. Hohner, Inc. 227,352; Apr. 6.
Musical wind instruments, Mouthpieces for. H. B. Henton. 226,197; Apr. 6.

CLASS 37.

Inkstands, blotters, seals, letter racks, etc. Erhard & Söhne A. G. 218,616; Apr. 6.
Paper, Blotting. Standard Paper Manufacturing Company. 221,142; Apr. 6.
Paper, Italian handmade printing. Japan Paper Company. 225,018; Apr. 6.
Paper, Matrix. Eaton-Dikeman Co. 227,575; Apr. 6.
Paper napkins. Menasha Printing and Carton Company. 226,818; Apr. 6.
Paper, Printing. Seaman Paper Company. 225,142; Apr. 6.
Paper, Toilet. Hoberg Paper & Fibre Company. 226,653; Apr. 6.
Paper, Wrapping. California-Oregon Paper Mills. 226,095; Apr. 6.
Sheets, Stencil. S. Horii. 223,581–2; Apr. 6.
Stationers' supplies. Elbe File & Binder Company. 224,555; Apr. 6.

CLASS 38.

Cartoons, Series of. Bell Syndicate, Inc. 227,823; Apr. 6.
Column of comments, Weekly. H. D. Mildeberger. 227,955; Apr. 6.
Folders, pamphlets, and books. Ekroth Laboratories, Inc. 225,778; Apr. 6.
Magazine, Monthly. Merit Publishing Company. 227,590; Apr. 6.
Magazine, Monthly. Merit Publishing Company. 227,663; Apr. 6.
Magazine published monthly. Earnshaw Sales Company. 227,830; Apr. 6.
Magazine published monthly, Title of. L. Chevalier. 226,883; Apr. 6.
Magazine, Section of a periodical. International Paper Company. 227,074; Apr. 6.
Newspaper, Nom de plume for a column of news in a. Morning Telegraph Company. 219,545; Apr. 6.
Newspaper, Nom de plume for a column of news in a. Morning Telegraph Company. 219,547; Apr. 6.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Newspaper, Nom de plume for a column of news in a. Morning Telegraph Company. 227,593; Apr. 6.
Pamphlets, folders, booklets, books, magazines, etc. J. Dieux. 224,749; Apr. 6.
Periodical or trade paper, Monthly printed. Lyman Publishing Corporation. 227,360; Apr. 6.
Periodicals. George W. Blabon Co. 227,160; Apr. 6.
Publication. Franco-Belgique Tours Co., Ltd. 217,341; Apr. 6.
Publication issued monthly. Pennzoil Co. 226,075; Apr. 6.
Publication of financial information and offerings, Bimonthly. Farmer & Co. 227,469; Apr. 6.
Publication, Weekly. H. Burns. 227,340; Apr. 6.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 227,726; Apr. 6.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 227,729; Apr. 6.
Publications, Annual. White Company. 226,872; Apr. 6.
Publications, Weekly. Review and Herald Pub. Assn. 227,605–6; Apr. 6.

CLASS 39.

Boots and shoes. A. Fisher & Son, Inc. 224,814; Apr. 6.
Clothing and substitute, Knitted. Sportcraft Knitting and Manufacturing Co. 209,370; Apr. 6.
Dresses, coats, and suits, Misses' and women's. Mignon Dress Co. 218,861; Apr. 6.
Dresses, Ladies' and misses'. Fashion Lane, Inc. 215,686; Apr. 6.
Hats and caps for men and boys. New York Hat Stores, Inc. 225,235; Apr. 6.
Hosiery. C. I. Bougher. 226,759; Apr. 6.
Hosiery for women. Penndelphia, Inc. 227,680; Apr. 6.
Overalls. F. W. Bourgoin. 227,711; Apr. 6.
Overalls, overall jackets, and pants. Eckerling Brothers. 226,134; Apr. 6.
Shirts, Dress. Cluett, Peabody & Co. 223,836; Apr. 6.
Shirts, Men's. Supreme Shirt Company. 225,324; Apr. 6.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company. 227,795; Apr. 6.
Suits, Children's play. L. M. Garson. 227,068; Apr. 6.
Suits, Men's and boys'. L. Kupferman & Co. 223,792; Apr. 6.

CLASS 42.

Chiffon in the piece. Stern & Stern Textile Importers, Inc. 227,756; Apr. 6.
Cloth comprised entirely of cotton, cotton and rayon, or cotton and silk mixtures. York Manufacturing Co. 227,762–4; Apr. 6.
Cotton piece goods. Appleton Company. 227,822; Apr. 6.
Fabrics and embroideries in the piece. Heberlein & Co., A. G. 188,478; Apr. 6.
Fabrics of silk, artificial silk, cotton, and wool and combinations thereof, Woven. A. W. Baylis Co. 226,798; Apr. 6.
Handkerchiefs. Universal Handkerchief Manufacturing Co. 223,003; Apr. 6.
Handkerchiefs and lace piece goods. M. Doob, Sons & Company. 210,718; Apr. 6.
Sheets, pillowcases, and bedspreads. Defender Mfg. Company. 224,746; Apr. 6.
Textile fabrics. Oriental Silk Printing Company. 223,937; Apr. 6.
Woolen dress goods. Atlantic Mills. 224,796; Apr. 6.
Woolen dress goods. Atlantic Mills. 224,798; Apr. 6.

CLASS 44.

Radium plaques, ozonizing apparatus, dental and surgical instruments, etc. Bakelite Corporation. 222,432; Apr. 6.

CLASS 45.

Beverages and compounds and concentrates for making such beverages, Nonalcoholic, noncereal. Citrus Products Company. 227,000; Apr. 6.
Beverages and sirups for making same, Maltless. S. Goldring. 227,173; Apr. 6.
Beverages and sirups for making the same. W. Laws, jr. 227,183; Apr. 6.
Beverages sold as cordials. E. D. Rosenstein. 225,939; Apr. 6.
Ginger ale and other flavors. G. Gutfreund. 227,014; Apr. 6.

CLASS 46.

Bread. Borck & Stevens. 226,841; Apr. 6.
Bread. Wardrop Co. 208,937; Apr. 6.
Bread and cake. Wardrop Co. 208,938; Apr. 6.
Bread making or as yeast food, Preparation to be used in. Takamine Laboratory, Inc. 226,696; Apr. 6.
Cakes. S. Berman. 226,467; Apr. 6.
Cakes. Gordon Baking Company. 227,070; Apr. 6.
Candies. Blue Hill Candy Co. 227,052; Apr. 6.
Candy. W. A. Foster, jr. 224,009; Apr. 6.
Candy, Bar. Allen-Qualley Company. 221,686; Apr. 6.
Candy objects representing golf balls and golf-club heads. A. Bowen. 223,160; Apr. 6.
Canned corn, pumpkin, and tomatoes. St. Paul Canning Co. 226,448; Apr. 6.
Canned fish. Pyramid Packing Company. 226,867; Apr. 6.
Canned fruits, soups, vegetables, and tomato catchup. W. M. Harris & Sons. 226,900; Apr. 6.
Canned sardines. Iwan Burger, Inc. 224,233–4; Apr. 6.
Canned vegetables. H. C. Baxter & Brother. 225,843; Apr. 6.
Canned vegetables. Idaho Canning Co., Ltd. 225,716; Apr. 6.
Canned vegetables, fruits, and fish, dried fruits, catchup, etc. Downing Taylor Company. 219,948; Apr. 6.
Cantaloupes and tomatoes, Fresh. F. W. Whitney. 220,586; Apr. 6.
Cheese. Holland Food Corporation. 208,397; Apr. 6.
Chocolates. Rockwood & Co. 227,249; Apr. 6.
Coffee. F. B. Duncan. 208,798; Apr. 6.
Coffee. N. Kontes. 224,767; Apr. 6.
Corn meal. Wallace Milling Company. 226,795; Apr. 6.
Eggs. Pacific Egg Producers Cooperative, Inc. 227,412; Apr. 6.
Flour. Mayflower Mills. 216,467; Apr. 6.
Flour, Self-rising and wheat. Ansted & Burk Co. 227,158; Apr. 6.
Foods, Breakfast. Whole O'Wheat Company. 207,215; Apr. 6.
Fruits and fresh grapes, Fresh deciduous. Pioneer Fruit Company. 208,607; Apr. 6.
Gum, chewing. American Chicle Company. 227,154; Apr. 6.
Gum, Chewing. Forhan Company. 210,545; Apr. 6.
Olive oil. Esposito Bros. 199,277–8; Apr. 6.
Olive oil. Trieste Importing Co. 218,883; Apr. 6.
Rice. Louisiana State Rice Milling Company, Inc. 223,395; Apr. 6.

CLASS 47.

Wine, Sacramental. Jos. Dudenhoefer Company. 226,345; Apr. 6.

CLASS 48.

Beverage, Malt. C. Schmidt & Sons, Inc. 214,565; Apr. 6.
Beverage sold as a soft drink. Wolverine Bottling Works. 218,350; Apr. 6.
Sirup, Malt. New Orleans Packing Co. 226,671–4; Apr. 6.

CLASS 49.

Brandies, liquors, punches, alcoholic essences, and extracts. Egon Braun Aktiengesellschaft. 223,694; Apr. 6.
Whisky. R. E. Wathen & Company. 226,701; Apr. 6.

CLASS 50.

Auto top finish (a waterproof fabric.) J. C. Haartz Company. 224,910; Apr. 6.
Carpet liner, felt, and felt pieces. Reynolds Felt Company Incorporated. 208,362; Apr. 6.
Statuettes. Old King Cole, Inc. 206,431; Apr. 6.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrams, Charles. (See Jones, A. W., jr., and Abrams.)
Adams, William J., Irvington, N. Y., assignor to Western Electric Company, Incorporated. Current-control device. 1,579,199; Apr. 6.
Aday, Francis M., Brooklyn, N. Y. Vacuum lifting device. 1,579,744; Apr. 6.
Aeromarine Plane & Motor Company. (See Zimmermann, Paul G., assignor.)
Aeromarine Plane & Motor Company. (See Zimmermann, P. G., and Korvin-Kroukovsky, assignors.)
Aldrich, Loyd I., assignor to Hart Oil Burner Co., Peoria, Ill. Safety control mechanism for electrically-controlled fuel-burning devices. 1,579,497; Apr. 6.
Alkan, Robert, and G. Lesourd, Paris, France. Hooking ring for a mass suspended to releasing devices. 1,579,851; Apr. 6.
Alkay Specialty Company. (See Klages, Albert D., assignor.)
All American Radio Corporation. (See Cushway, Charles P., assignor.)
Allen, Edward B., Newton, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread cutter for sewing machines. 1,579,200; Apr. 6.
Allen, Edward B., Newton, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Clamp-spreading mechanism for buttonhole-sewing machines. 1,579,201; Apr. 6.
Allen, Jay K., New York, assignor of one-half to L. F. Sherman, Pelham Manor, N. Y. Game. 1,579,341; Apr. 6.
Allinson, William. Des Moines, Iowa. Drier. 1,579,852; Apr. 6.
Altman, Alexander, New York, N. Y. Wrench. 1,579,992; Apr. 6.
Altman, Vladislav, Racine, Wis. Vehicle signal. 1,579,853; Apr. 6.
Alvey Manufacturing Company. (See Langsdorf, Alexander S., assignor.)
American Can Company. (See Lindgren, Stanley H., assignor.)
American Car and Foundry Company. (See Ames, Joseph H., assignor.)
American Car and Foundry Company. (See Auchincloss, William K., assignor.)
American Car and Foundry Company. (See Elder, Thomas W., jr., assignor.)
American Car and Foundry Company. (See Graham, William H., assignor.)
American Car and Foundry Company. (See Hervig, Richard, assignor.)
American Car and Foundry Company. (See Kaseberg, Theodore C., assignor.)
American Car and Foundry Company. (See Keller, Jule M., assignor.)
American Car and Foundry Company. (See Long, F. R., and Harry, assignors.)
American Car and Foundry Company. (See McBride John J., assignor.)
American Car and Foundry Company. (See Newman, Claude F., assignor.)
American Car and Foundry Company. (See Rohlfing, John M., assignor.)
American Car and Foundry Company. (See Willoughby, Victor R., assignor.)
American Dressler Tunnel Kilns, Inc. (See Strommer, Luther T, assignor)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Fibre Corporation. (See Baldwin, Earl F., assignor.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American Pin Company, Division Scovill Manufacturing Company, The. (See Villaret, Gustave E., assignor.)
American Stove Company. (See Stockstrom, Louis, assignor.)
American Telephone and Telegraph Company. (See Crisson, George, assignor.)
American Telephone and Telegraph Company. (See Gordon, Chester S., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Transformer Company. (See Schermerhorn, J. L., and Goertz, assignors.)
American Wiremold Company, The. (See Frederickson, Otto A., assignor.)
Ames, Earl R. (See Boekenoogen, I. E., and Ames.)
Ames, Joseph H., assignor to American Car and Foundry Company, New York, N. Y. Erection truck. 1,579,202; Apr. 6.
Anderson, Albert & J. M., Manufacturing Company. (See Anderson, Alf E., assignor.)
Anderson, Alf E., Milton, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Control mechanism for electric switches. 1,579,745; Apr. 6.
Anderson, Axel G., Minneapolis, Minn. Combination tool. 1,579,498; Apr. 6.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson-Barngrover Mfg. Co. (See Wellman, Harvey P., assignor.)
Anderson, Charles T. (See Jammer, J. S., and Anderson.)
André, Paul F. A. C., Quaregnon, assignor to Société Anonyme des Produits a Flénu, Flenu, near Mons, Belgium. Apparatus for sorting granular materials of different specific gravities. 1,579,998; Apr. 6.
Andrew, Vaughan L., Superior, Wis. Windmill. 1,579,343; Apr. 6.
Andrews, Bernard R., Braintree, Mass. Apparatus for drying web material. 1,579,342; Apr. 6.
Angel, Herbert. (See Benjamin, G. R., and Angel.)
Ansco Photoproducts, Inc. (See Bornmann, Carl A., assignor.)
Aram, Otto, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ram box mechanism for stokers. 1,579,746; Apr. 6.
Archer, Merton T., Pittsburgh, Pa., and J. R. Mahan, assignors to The National Supply Company, Toledo, Ohio. Long-stroke pumping mechanism. 1,579,998; Apr. 6.
Armor, James C., West View Borough, Pa. Transformer. 1,579,344; Apr. 6.
Arms, Leland J., assignor of one-half to R. C. Pell, jr., San Francisco, Calif. Starting device for packed folded paper. 1,579,429; Apr. 6.
Armstrong, Robert L., Lincoln, Nebr. Holder for safety-razor blades. 1,579,430; Apr. 6.
Atherton, Frederick H., Paden City, W. Va. Antisplash device for motor vehicles. 1,579,623; Apr. 6.
Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. 1,579,624; Apr. 6.
Atkinson, Joseph T., and M. A. Thrasher, Cotton Plant, Ark. Steam veneer drier. 1,579,994; Apr. 6.
Atlas Manufacturing Company. (See Ernst, William, assignor.)
Aubuchont, Richard J., Worcester, Mass. Cutting or scoring machine. 1,579,995; Apr. 6.
Auchincloss, William K., assignor to American Car and Foundry Company, New York, N. Y. Tank-car valve and gauge mechanism. 1,579,203; Apr. 6.
Auld, D. L., Company, The. (See Auld, Frederick H., assignor.)
Auld, Frederick H., assignor to The D. L. Auld Company, Columbus, Ohio. Switch plate. Des. 69,811; Apr. 6.
Automatic Coil Winder & Electrical Equipment Company Limited, The. (See Macadie, Donald, assignor.)
Automatic Electric Inc. (See Erickson, John, assignor.)
Automatic Scale Company, Limited, The. (See Blick, Ernest L., assignor.)
B. and B. Machine Company Limited, The. (See Thorling, Frederick J., assignor.)
Babb, Joseph E., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Explosive-fuel mixture and making the same. 1,579,801; Apr. 6.
Babb, Joseph E., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Explosive-fuel mixture and making the same. 1,579,802; Apr. 6.
Babb, Joseph E., assignor to Waverly Oil Works Company, Pittsburgh, Pa. Fuel mixture for internal-combustion engines. 1,579,803; Apr. 6.
Badische Anilin- & Soda-Fabrik. (See Littringhaus, A., Neresheimer, and Emmer, assignors.)
Badische Anilin- & Soda-Fabrik. (See Schneider, Christian, assignor.)
Badische Anilin- & Soda-Fabrik. (See Wild, W., and Eyer, assignors.)
Baetz, Henry, assignor to Skinner Bros. Mfg. Co., St. Louis, Mo. Ventilation. 1,579,804; Apr. 6.
Baille, Jean L., assignor to Société: Baille-Lemaire-et-Fils, Paris, France. Plate-carrying frame for photographic apparatus. 1,579,345; Apr. 6.

Baker Casing Shoe Company. (See Tunison, Arthur C., assignor.)
Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
Baldwin, Earl F., assignor to America Fibre Corporation, Gardner, Mass. Take-up for looms. 1,579,346; Apr. 6.
Baldwin Locomotive Works, The. (See Werst, Charles U., assignor.)
Ball, Joseph A., Jamaica Plain, and E. A. Gallison, Watertown, assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Film feeding and registering mechanism. 1,579,805; Apr. 6.
Ball, Joseph A., Wollaston, and D. F. Comstock, Cambridge, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Registration of complemental images in cinematography. 1,579,806; Apr. 6.
Ballintine, Frank J., Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Roof covering. 1,580,096; Apr. 6.
Ballow, Robert E., Estancia, N. Mex. Carburetor. 1,579,807; Apr. 6.
Balzer, Fritz, Moline, assignor to Troy Laundry Machinery Company, Ltd., East Moline, Ill. Control mechanism. 1,579,747; Apr. 6.
Balzer, Fritz, Moline, assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill. Operating mechanism for washing machines. 1,579,748; Apr. 6.
Banes, Glenn O., North English, Iowa. Syringe-filling attachment for bottles. 1,579,996; Apr. 6.
Banghart, George E., Ballston, Va. Spark plug. 1,579,625; Apr. 6.
Banta, Henry W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sealing leading-in conductor. 1,579,626; Apr. 6.
Barber Asphalt Company, The. (See Ballintine, Frank J., assignor.)
Barkschat, Henry, Los Angeles, Calif. Lamp-post structure. 1,579,909; Apr. 6.
Barkstrom, Edward C. (See Beall, Clarence A., assignor.)
Barndt, Herbert J., and A. K. Birrell, Binghamton, N. Y. Circuit closer. 1,579,431; Apr. 6.
Barnett, Louis, New York, N. Y. Adjustable hat. 1,579,997; Apr. 6.
Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,579,749; Apr. 6.
Barney Oldfield Manufacturing Company. (See Brown, Ray W., assignor.)
Barnhart, Harry J., assignor to The Osgood Company, Marion, Ohio. Track links for steam-shovel structures. 1,579,499; Apr. 6.
Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,579,500; Apr. 6.
Bathurst Company Limited. (See Chalmers, James G., assignor.)
Bauer, Johann J., Budapest, Hungary. Method of and apparatus for combination printing with printing rollers. 1,579,910; Apr. 6.
Bauer, Mamie A., Los Angeles, Calif. Incense burner. Des. 69,812; Apr. 6.
Bayrer, Louis G., Buffalo, N. Y. Die-sinking machine. 1,580,097; Apr. 6.
Beach, Chester H., Racine, Wis., assignor to Wisconsin Electric Company. Drink mixer. 1,579,590; Apr. 6.
Beall, Clarence A., Saticoy, assignor of one-third to E. C. Barkstrom, Los Angeles, Calif. Billboard and removing posters from billboards. 1,579,750; Apr. 6.
Beck, William E., Herrick, Ill. Antiskidding device. 1,579,432; Apr. 6.
Becker, August, and O. Stark, Budapest, assignors to Ganz & Co., Danubius Machine-, Railway-Carriage Manufacturing & Shipbuilding Co. Ltd., Budapest, X., Hungary. Roller mill. 1,579,998; Apr. 6.
Becker, Edmund H. (See Martus, M. L., Becker, and Ross.)
Bell, George, and W. E. Kirk, Dalhart, Tex. Barrel rack. 1,579,627; Apr. 6.
Beloit Iron Works. (See Berry, Earl E., assignor.)
Benjamin, George R., Jersey City, N. J., and H. Angel, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Cable telegraphy. 1,579,999; Apr. 6
Bennett, Margaret R., and H. Russell, Gary, Ind. Hygienic water receptacle. 1,579,591; Apr. 6.
Benz & Cie. (See Eltze, Kurt, assignor.)
Berg, Olav, Paterson, and M. Imhoff, Clifton, N. J. Weighting fibers and the product thereof. 1,579,628; Apr. 6.
Berger, Bruno A., assignor to Berger Specialty Manufacturing Company, Inc., Richmond, Va. Tilting frame. 1,580,098; Apr. 6.
Berger Specialty Manufacturing Company. (See Berger, Bruno A., assignor.)
Berkowitz, Benjamin, Philadelphia, Pa. Apron. 1,579,629; Apr. 6.
Berlin-Chapman Company. (See Chapman, Frank D., assignor.)
Bernd, Jules R., sr., Jackson Heights, N. Y. Refrigerating coil. 1,580,000; Apr. 6.
Berry, Bert C., Altadena, assignor to Berry Corn Server Inc., Los Angeles, Calif. Corn server. 1,579,911; Apr. 6.
Berry Corn Server, Inc. (See Berry, Bert C., assignor.)
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Adjustable apron board. 1,579,204; Apr. 6.
Berry, Reni S. (See Hibbard, L. R., and Berry.)
Bertles, W. B., & Son Co. (See Coughlin, James M., assignor.)
Bertsche, Edwin, Rockville, Conn. Universal joint. 1,579,630; Apr. 6.
Besse, Carl H., Tulsa, Okla., assignor of one-third to F. M. Mahan and one-third to E. McCarty. Derrick. 1,579,854; Apr. 6.
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Padlock. 1,579,632; Apr. 6.
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Record preserving removable core lock. 1,579,631; Apr. 6.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Bethlehem Steel Company. (See Miller, Walter H., assignor.)
Betts, Arthur L., and A. B. Fey, Cincinnati, Ohio, assignors to A. Davis, jr., Covington, Ky. Bucket box. 1,579,633; Apr. 6.
Beyer, Herbert G., assignor to Rae-Lite Manufacturing Co., Baltimore, Md. Parking lamp. 1,579,855; Apr. 6.
Bickley, Everett H., Upper Darby, Pa. Double-swing-door-operating device. 1,579,751; Apr. 6.
Bicknell, Robert H., Westminster, London, England. Excavating apparatus. 1,580,001; Apr. 6.
Bidwell, William T., Miami, Fla. Apparatus for molding septic tanks. 1,579,634; Apr. 6.
Birnberg, Zingel C., Youngstown, Ohio. Game counter. 1,579,276; Apr. 6.
Birrell, Andrew K. (See Barndt, H. J., and Birrell.)
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch-operating mechanism. 1,579,687; Apr. 6.
Black, Lee J., Beaumont, Tex. Draw works of rotary well-drilling apparatus. 1,580,003; Apr. 6.
Black, Lee J., Beaumont, Tex. Rotary well-drilling apparatus. 1,580,002; Apr. 6.
Blair, Frank D., Mound, Minn. Radio log and indicating device. 1,579,501; Apr. 6.
Blair, John H., San Francisco, Calif. Power transmission. 1,579,433; Apr. 6.
Blakeslee, Henry J., West Hartford, Conn. Life preserver. 1,579,502; Apr. 6.
Blakesley, George W., and W. J. Hempy, assignors to The Security Stove and Mfg. Co., Kansas City, Mo. Oil strainer. 1,579,205; Apr. 6.
Blick, Ernest L., Broadheath, Altrincham, assignor to The Automatic Scale Company, Limited, Altrincham, Cheshire, England. Weighing scale. 1,579,635; Apr. 6.
Bliffert, Walter J., Milwaukee, Wis. Intake manifold. 1,579,688; Apr. 6.
Bloch, Leon, Cleveland, Ohio. Valve. 1,579,503; Apr. 6.
Boadle, Sidney C., Kensington, Victoria, Australia. Cramp. 1,580,083; Apr. 6.
Boe, Helmer J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Safety device for clutch mechanisms. 1,579,206; Apr. 6.
Boeknoogen, Isaac E., and E. R. Ames, Aitkin, Minn. Towing device. 1,579,504; Apr. 6.
Booth, Francis J. (See Kozielski, S. A., and Booth.)
Borgnis, Samson, Philadelphia, Pa. Tea and coffee holder for pots. 1,579,636; Apr. 6.
Bornmann, Carl A., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Semiautomatic film-winding camera. 1,579,752; Apr. 6.
Both, Tonjes A., Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company. Electric plug cap. Des. 69,813; Apr. 6.
Bouché, William F., Lancaster, N. Y., assignor, by mesne assignments, to The Gould Coupler Company. Electrical system. 1,579,505; Apr. 6.
Bowen, Charles R., Gray, Ga. Crank-case brace and banger. 1,579,592; Apr. 6.
Bowman, Lester J., Bay City, Oreg. Socket wrench. 1,579,593; Apr. 6.
Boyle, James C. (See Kridler, B. C., and Boyle.)
Bradford, Allen, Portland, Oreg. Airship. 1,580,004; Apr. 6.
Bradley Washfountain Co. (See Schlesinger, Louis, assignor.)
Braine, Bancroft G., Montclair, N. J., assignor to The Rail Joint Company, New York, N. Y. Stress-balancing splice bar. Re16,311; Apr. 6.
Bray, Joseph K. (See Connor, George W., assignor.)
Bray, Sammy C., Springfield, Mo. Sewing-machine needle guard. 1,580,005; Apr. 6.
Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Self-opening die head. 1,579,912; Apr. 6.
Brent, Henry W., Baltimore, Md. Window-shade bracket. 1,579,637; Apr. 6.
Bresnin, John T., Lancaster, Ohio. Lens grinding and polishing machine. 1,579,506; Apr. 6.
Bridgeport Coach Lace Company, The. (See Naramore, William W., assignor.)
Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
Brilliantes, José L., Bangar, La Union, P. I. Acetylene generator. 1,579,856; Apr. 6.
Bristow, Francis G., Sydney, Australia, assignor to Chicago Flexible Shaft Company. Handhold jacket for power-operated sheep shears and the like. 1,579,507; Apr. 6.

Brittain, Doss, Galesburg, Ill. Blotter attachment for pen staffs. 1,579,465; Apr. 6.
Bromhaker, William, Monterey, Calif. Sauce-injecting attachment for can-closing machines. 1,579,434; Apr. 6.
Bronson, Harry E., Tacoma, Wash. Hydraulic jack. 1,579,913; Apr. 6.
Broockmann, Oscar W. E. (See Casteel, S. C., and Broockmann.)
Brooke, John P., Narberth, Pa., assignor to Niles-Bement-Pond Company, New York, N. Y. Machine tool. 1,579,638; Apr. 6.
Broomfield, Herbert. (See Russell, R. B., and Broomfield.)
Brotenmarkle, Harold E., Clinton, Mo. Bicycle lock. 1,579,639; Apr. 6.
Brouyette, Charles D., Topeka, Kans. Cot. 1,579,508; Apr. 6.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,580,084; Apr. 6.
Brown, Grant C., Dresser Junction, Wis. Road-working device. 1,579,509; Apr. 6.
Brown Hoisting Machinery Company, The. (See Larkworthy, Frederick W., assignor.)
Brown-Lipe Gear Company, The. (See Sweet, Henry W., assignor.)
Brown, Ray W., Los Angeles, Calif., assignor, by mesne assignments, to Barney Oldfield Manufacturing Company. Machine for cutting compound curves. 1,580,006; Apr. 6.
Brown, Walter S., Urbana, Ill. Diving board. 1,579,510; Apr. 6.
Brown, Wesley T., Hamilton, Ontario, Canada. Land-cultivating machine. 1,579,277; Apr. 6.
Brown, William T. S., East Point, Ga. Container partition. 1,579,640; Apr. 6.
Bruce, David R., London, England. Liquid-fuel burner of the injection type. 1,579,278; Apr. 6.
Brundage, Forrest H., Toledo, Ohio. Vending-machine casing. Des. 69,814; Apr. 6.
Bryant, Clarence R., and A. F. Weiss, St. Louis, Mo. Serving tray. 1,580,007; Apr. 6.
Buchanan, James M., Mountain View, Mo. String-bean-treating machine. 1,580,008; Apr. 6.
Buck, Howard T., Cedar Knolls, N. J., assignor to T. S. Buck Mfg. Co., New York, N. Y. Signature stamp for multigraphing machines. 1,580,009; Apr. 6.
Buck, Howard T., Cedar Knolls, N. J., assignor to T. S. Buck Manufacturing Company, New York, N. Y. Signature stamp for multigraphing machines. 1,580,010; Apr. 6.
Buck, T. S., Mfg. Co. (See Buck, Howard T., assignor.)
Bugatti, Ettore, Molsheim, France. Vehicle wheel with cooling disk. 1,580,011; Apr. 6.
Bullinger, Frederic H., Yonkers, N. Y., assignor to L. M. Purviance, Los Angeles, Calif. Rheostat. 1,579,347; Apr. 6.
Bullington, Frank A., assignor to Bullington Motors, Kansas City, Mo. Rotary internal-combustion engine. 1,579,207; Apr. 6.
Bullington Motors. (See Bullington, Frank A., assignor.)
Bultman, Charles E., deceased, Chicago, Ill.; I. M. Bultman, executrix. Pitcher or the like. Des. 69,815; Apr. 6.
Bultman, Ida M., executrix. (See Bultman, Charles E.)
Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method and apparatus for retreading tires. 1,579,641; Apr. 6.
Burke, Mark P., Tulsa, Okla. Driving mechanism for oil-well rigs. 1,579,753; Apr. 6.
Burns, Howard E., Dallas, Tex. Incinerator. 1,579,642; Apr. 6.
Burpee Can Sealer Company, The. (See Burpee, Frank W., assignor.)
Burpee, Frank W., assignor to The Burpee Can Sealer Company, Chicago, Ill. Machine for cutting green corn from the cob. 1,579,511; Apr. 6.
Burton, Robert N. (See Dahl, Conrad, assignor.)
Bushong, Frank L., Charles Town, W. Va. Rodent destroyer. 1,579,512; Apr. 6.
Butler, Lloyd W., Des Moines, Iowa. Tool for removing battery terminals. 1,579,857; Apr. 6.
Byrne, Henry H. (See Meissner, A. R., and Byrne.)
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
California Cedar Products Company. (See Makowski, John F., assignor.)
Callsen, Jürgen, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Choline compound having laxative properties. 1,580,012; Apr. 6.
Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company Limited, London, England. Commutating gear of high-tension direct-current apparatus. 1,579,643; Apr. 6.
Cameron, Joseph, Minneapolis, Minn. Electrotherapeutic apparatus. 1,579,513; Apr. 6.
Campbell, Robert L., Morristown, Tenn. Indicator. 1,580,013; Apr. 6.
Campbell, Stewart L. (See Grant, J., and Campbell.)
Candelaresi, Virgilio, Lyon, France. Motor-car body. 1,579,644; Apr. 6.
Cappi, Gaetano, San Francisco, Calif. Machine for immersing, cooking, and delivering food products. 1,579,645; Apr. 6.
Carn, B. O., jr., et al. (See Schmidt, Henry D., assignor.)
Carnegie Institution of Washington. (See Wright, Frederick E., assignor.)
Carra, Edward W., Abbotsford, Victoria, Australia. Woodworking machine for making rulers, set squares, and the like. 1,579,594; Apr. 6.
Carlson, Henry A. (See Kosecki, P., and Carlson.)
Carrier Engineering Corporation. (See Harrison, Burt S., assignor.)
Carroll, Henry R., et al. (See MacNeill, Paul H., assignor.)
Cassaretto, Frederick J., Stockton, Calif. Direction signal for vehicles. 1,579,516; Apr. 6.
Case, Robert W. (See Lavender, Samuel C., assignor.)
Cason, Dick K., jr., Nacogdoches, Tex. Jack for pumps and the like. 1,579,514; Apr. 6.
Cason, Dick K., jr., Nacogdoches, Tex. Electrical dehydrator. 1,579,515; Apr. 6.
Casteel, Stephen C., and O. W. E., Broockmann, Point Marion, Pa. Check carrying and depositing device. 1,579,208; Apr. 6.
Cavanah, Howard E., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif. Elevator-door-control system. 1,579,754; Apr. 6.
Cave, Henry, Springfield, Mass. Dustpan. 1,579,279; Apr. 6.
Ceffaratti, John. (See Furcolo, Ciriachino, assignor.)
Chalmers, James G., assignor to Bathurst Company Limited, Bathurst, New Brunswick, Canada. Valve control in water-cooled grinders. 1,579,914; Apr. 6.
Chance and Hunt, Limited. (See Gidden, W. T., and Ragg, assignors.)
Chapman, Frank D., assignor to Berlin-Chapman Company, Berlin, Wis. Automatic processing apparatus. 1,579,517; Apr. 6.
Chapman, Penrose E., St. Louis, Mo. Armature-winding machine. 1,579,808; Apr. 6.
Chase, Leon W., assignor to Chase Plow Company, Lincoln, Nebr. Caster-wheel bracket. 1,579,689; Apr. 6.
Chase Plow Company. (See Chase, Leon W., assignor.)
Cheatham Electric Switching Device Company. (See Milton, John L., assignor.)
Chicago Flexible Shaft Company. (See Bristow, Franciss G., assignor.)
Childs, Kenneth L., assignor to The Fabric Body Corporation, Detroit, Mich. Vehicle body construction. 1,579,466; Apr. 6.
Chilton Pen Company. (See Upton, Henry J., assignor.)
Chinn, June K., Seattle, Wash. Automobile lamp. Des. 69,816; Apr. 6.
Christiansen, Peter W., Copenhagen, Denmark. Adjustable pad. 1,580,014; Apr. 6.
Christman, William E., and R. L. Warren, assignors, by mesne assignments, to J. M. Kelley, Philadelphia, Pa. Cover-applying die construction. 1,579,467; Apr. 6.
Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
Claff, Mark B., Randolph, Mass. Paper box. 1,579,646; Apr. 6.
Clapper, George S., Valparaiso, Ind. Folding poultry crate. 1,579,755; Apr. 6.
Clark, Glen G., Devils Lake, N. Dak. Lock washer. 1,580,015; Apr. 6.
Clarkson-Jones, Thomas H., Toronto, Ontario, Canada. Polishing apparatus. 1,579,809; Apr. 6.
Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote Inc. Manufacture of hydrogen by the partial liquefaction of gaseous mixtures. 1,579,348; Apr. 6.
Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote Inc., Paris, France. Syntbesis of ammonia. 1,579,647; Apr. 6.
Clausen, Henry P., Mamaroneck, assignor to Western Electric Company, Incorporated, New York, N. Y. Variable condenser. 1,579,209; Apr. 6.
Clefton, Claud J., Owatonna, assignor to R. P. Clefton, St. Paul, Minn. Flatiron. 1,579,810; Apr. 6.
Clefton, Ruth P. (See Clefton, Claud J., assignor.)
Clutier, Brice L., Chicago, Ill., assignor to Lightning Products Corporation. Metal cleaner and polisher. 1,579,435; Apr. 6.
Clyde, Robert T., Marion Center, Pa. Lock for end gates. 1,579,436; Apr. 6.
Cohn, Aaron, Toronto, Ontario, Canada. Eye-supporting unit for dolls. 1,579,210; Apr. 6.
Cole, Hector W., and S. C. McGill, South Melbourne, Victoria, Australia. Time-recording apparatus. 1,579,595; Apr. 6.
Coleman, De Forest C., Clifford, Pa. Liquid meter. 1,579,280; Apr. 6.
Collins, George S., Meadville, Pa. Lock for plugs. 1,580,016; Apr. 6.
Comstock, Daniel F. (See Ball, J. A., and Comstock.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bow. Des. 69,817; Apr. 6.
Conley, Edwin J., New York, and E. J. Whalen, Howard Beach, assignors to The Conley Foil Company, New York, N. Y. Receptacle-sealing machine. 1,579,690; Apr. 6.
Conlon, Thomas A. (See Joyce, Bryan P., assignor.)
Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)

Connelley, George F., San Francisco, Calif. Pneumatic-tire molds. 1,579,518; Apr. 6.
Connor, George W., Anderson, assignor of one-half to J. K. Bray, Greenville, S. C. Washing apparatus. 1,580,017; Apr. 6.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Plate or similar article of manufacture. Des. 69,818; Apr. 6.
Conradty, C. (See Japp, Heinrich, assignor.)
Conradty, C. (See Silbermann, Hans, assignor.)
Cook, A. D., Inc. (See Willers, George E., assignor.)
Cooke, Albert G., and B. C. and R. A. Phillips, Hove, England. Stuffing box for dry gas meters and the like. 1,580,018; Apr. 6.
Cooper, Simon, Brooklyn, assignor to The McCall Company, New York, N. Y. Folding machine. 1,579,470; Apr. 6.
Cooper, Simon, Brooklyn, N. Y., assignor to The McCall Company. Method and machine for folding sheets. 1,579,468; Apr. 6.
Cooper, Simon, Brooklyn, assignor to The McCall Company, New York, N. Y. Sheet separating and feeding apparatus. 1,579,469; Apr. 6.
Copony, Alfred, Mount Clemens, Mich. Meter bill. 1,579,471; Apr. 6.
Corbett, Martin S., Glassboro, N. J. Apparatus for making ice. 1,579,437; Apr. 6.
Corcoran, George E., Washington, D. C. Headlight lens. Des. 69,819; Apr. 6.
Cornell, Milton L., New York, N. Y. Rolling shutter. 1,579,915; Apr. 6.
Cortelyou, William C., Oblong, Ill. Combined ruler and book holder. 1,579,438; Apr. 6.
Cote, Thomas F., Chicago, Ill. Electric fuse and preparing same. 1,579,596; Apr. 6.
Coughlin, George E., New York, N. Y. Vehicle spring seat. 1,579,281; Apr. 6.
Coughlin, James M., Kingston, assignor to W. B. Bertles & Son Co., Inc., Wilkes-Barre, Pa. Drumhead. 1,579,282; Apr. 6.
Conley Foil Company, The. (See Conley, E. J., and Whalen, assignors.)
Cox, Walter, Indianapolis, Ind. Cooling system. 1,580,019; Apr. 6.
Craig, Richard M., San Antonio, Tex. Advertising sign. 1,579,597; Apr. 6.
Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Tubing clamp. 1,579,048; Apr. 6.
Criss, Clareuce C., Arkansas City, Kans. Garment hanger. 1,579,349; Apr. 6.
Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Multiple-way connection for a plurality of lines. 1,579,283; Apr. 6.
Crompton, Charles, deceased, Worcester, Mass.; G. Crompton, administrator. Loom. 1,579,858; Apr. 6.
Crompton, George, administrator. (See Crompton, Charles.)
Crost, Albert, Cleveland, Ohio. Reenforcing means for spindle bolts. 1,579,472; Apr. 6.
Crotto, Frank E., assignor to Western Supply Company, Tulsa, Okla. Wire-line clamp. 1,579,284; Apr. 6.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Cummings, George C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,579,211; Apr. 6.
Cummings, Helen J., Cleveland, Ohio, assignor to General Electric Company. Lamp shade or similar article. Des. 69,820; Apr. 6.
Cunningham, Alexander. (See Wiseman, J., and Cunningham.)
Cunningham, D. O., Glass Company. (See Sohn, Archie C., assignor.)
Cushing, Clarence W., Brooklyn, N. Y. Explosion telltale for internal-combustion engines. 1,579,916; Apr. 6.
Cushway, Charles P., assignor to All American Radio Corporation, Chicago, Ill. Christmas-tree-lighting outfit. 1,579,649; Apr. 6.
Cutler, Arthur E., and P. A. Marsden, Newcastle, New South Wales, Australia. Electric welding apparatus. 1,580,020; Apr. 6.
Cutler, David A., Quincy, assignor to Alfred Hale Rubber Company, Atlantic, Mass. Manufacture of canvas-upper shoes. 1,579,650; Apr. 6.
Dahl, Conrad, assignor to R. N. Burton, Chicago, Ill. Kite structure. 1,579,473; Apr. 6.
Dall Steel Products Company. (See Palmer, George H., assignor.)
Dalton Adding Machine Company, The. (See Landsiedel, Harry, assignor.)
Danaher, David J. (See Danaher, Timothy A. and D. J.)
Danaher, Timothy A. and D. J., Jackson, Mich. Conduit. 1,579,285; Apr. 6.
Daus, Ernest M. and L. W., New York, N. Y. Duplicator. 1,579,439; Apr. 6.
Daus, Leonard W. (See Daus, Ernest M. and L. W.)
Davidson, George A. (See Halloran, R. A., Davis, and Davidson.)
Davies, William R. (See Thomas, H. S., and Davies.)
Davis, Aaron W., assignor to Davis & Catterall, Inc. New York, N. Y. Handkerchief. Des. 69,821; Apr. 6
Davis, Augustine, jr. (See Betts, A. L., and Fey, assignor.)
Davis & Catterall, Inc. (See Davis, Aaron W., assignor.)
Davis, Joseph L., Abingdon, Ill. Egg turner for incubators. 1,579,350; Apr. 6.
Davis, Merle H. (See Vickery, J. C., and Davis.)
Davis, William C., Berkeley, Calif. Medicine. 1,570,021; Apr. 6.
Davis, William N. (See Halloran, R. A., Davis, and Davidson.)
Deale, Robert C., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. 1,579,651; Apr. 6.
De Back, William, Isleton, Calif. Sorting and cutting machine. 1,579,598; Apr. 6.
Dee, William C., Cleveland, Ohio. Electrical apparatus. 1,579,212; Apr. 6.
Defiance Button Machine Co. (See Polinsky, Samuel, assignor.)
De Forest, Cornelius W., Cincinnati, Ohio. Gas furnace. 1,579,599; Apr. 6.
Deming Company, The. (See Deming, William L., assignor.)
Deming, William L., assignor to The Deming Company, Salem, Ohio. Float strainer. 1,579,917; Apr. 6.
Dempsey, William H., and O. J. Waggoner, Alton, Ill. Hose protector. 1,579,474; Apr. 6.
Denis, Charles A., et al. (See Dominguez, Manuel D., assignor.)
Detwiler, Vinton V., Augusta, Me. Automobile accessory. 1,579,652; Apr. 6.
Dickinson, Stella B., Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc. Rug. Des. 69,822; Apr. 6.
Dickinson, Stella B., Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc. Rug. Des. 69,823; Apr. 6.
Dickinson, Stella B., Belleville, N. J., assignor to Ginzkey-Maffersdorf, Inc. Rug. Des. 69,824; Apr. 6.
Dictograph Products Corporation. (See Kock, H., Wohlers, and Nagley.)
Diekmann, Edwin F., Evansville, Ind. Heating stove. Des. 69,825; Apr. 6.
Diekmann, William V. (See Haas, Edward, assignor.)
Dieringer, Phillip R., San Francisco, assignor to M. A. Frank, San Anselmo, Calif. Bearing-obstruction ejector. 1,579,653; Apr. 6.
Dieterich, Ernest O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for gauging associated elements. 1,579,918; Apr. 6.
Dille, Roseo, Chesterton, Ind. Building-block form. 1,579,213; Apr. 6.
Di Spirito, Erasmo, assignor of thirty-five per cent to E. Lucciola, Jersey City, N. J. Rail guard and means for applying the same. 1,579,859; Apr. 6.
Diversey Foundry Company. (See League, Thomas J., assignor.)
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper. 1,579,475; Apr. 6.
Dodge, Waldo E., Berkeley, Calif. Auxiliary vehicle spring. 1,579,750; Apr. 6.
Doerre, Otto J., Chicago, Ill. Vending-machine casing. Des. 69,826; Apr. 6.
Dominguez, Manuel D., assignor of one-half to C. A. Denis and one-half to G. Sarpy, New Orleans, La. Electric furnace. 1,579,476; Apr. 6.
Dorsh, Rudolf, New York, N. Y. Wind motor. 1,579,440; Apr. 6.
Douglas, John F. H., and E. W. Kane, Milwaukee, Wis. Dynamo-electric machine. 1,580,022; Apr. 6.
Dräger, Alexander B., Lubeck, Germany. Self-contained breathing apparatus for use in noxious gases. 1,579,919; Apr. 6.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Moore, Elias S., assignor.)
Drohen, James L., Dunkirk, N. Y. Automobile attachment. 1,580,023; Apr. 6.
Drummond, George M., assignor to Holly Sugar Corporation, Colorado Springs, Colo. Recovering calcium hydrate. 1,580,024; Apr. 6.
Duff Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Dunbar, Robert Y. (See Samuels, Maurice M., assignor.)
Dunlop Tire and Rubber Corporation of America. (See Willshaw, Harry, assignor.)
Dunn, John J. (See Hoffman, O. C., and Dunn.)
Dunne, Joseph E. (See Kenney, John E., assignor.)
Du Pont, E. I., de Nemours and Company. (See Stillwell, Howard A., assignor.)
Dupy, Olin L., assignor to Western Electric Company, Incorporated, New York, N. Y. Dynamo-electric machine. 1,579,286; Apr. 6.
Duraflex Company, The. (See Nachod, Joseph F., assignor.)
Durante, Frank, Paterson, N. J. Carburetor. 1,579,600; Apr. 6.
Durkee, Henry E., Glastonbury, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Dressing attachment for grinding wheels. 1,579,691; Apr. 6.
Duten, Maurice, Levallois-Perret, France. Sparking-advance control device for explosion engines. 1,579,287; Apr. 6.
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnetically-controlled device. 1,580,025; Apr. 6.
Ebinger, D. A., Sanitary Manufacturing Company, The. (See Ebinger, David A., assignor.)

Ebinger, David A., assignor to The D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio. Washbasin. Re16,308; Apr. 6.
Edison Electric Appliance Company. (See Rankin, William A., assignor.)
Edwards, August O., Williams, Oreg. Water gate. 1,579,288; Apr. 6.
Edwards, Darsie E., Clinton, Mo. Insect excluder. 1,579,289; Apr. 6.
Edwards, Samuel, Charleston, W. Va. Railway tie and joint. 1,579,860; Apr. 6.
Egloff, Gustav, Chicago, Ill. Treating oil. 1,579,601; Apr. 6.
Eisenschiml, Max, Asch, Czechoslovakia. Driving mechanism for straight-knitting machines. 1,579,861; Apr. 6.
Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Door latch. 1,579,519; Apr. 6.
Elder, Thomas W., jr., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Train-pipe support and angle-cock holder. 1,579,290; Apr. 6.
Elliott, Harold F., and J. A. Miller, Palo Alto, assignors, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Multiplex radio system. 1,579,921; Apr. 6.
Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Brake mechanism for use in railway-car trucks. 1,579,920; Apr. 6.
Ellison Bronze Company. (See Ellison, Edward H., assignor.)
Ellison, Edward H., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y. Automobile radiator cap. 1,580,026; Apr. 6.
Eltze, Kurt, Mannheim-Kafertal, assignor to Benz & Cie., Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany. Internal-combustion engine. 1,579,351; Apr. 6.
Emery, Charles B., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging means for measuring and adjusting apparatus. 1,579,291; Apr. 6.
Emmer, Hans. (See Luttringhaus, A., Neresheimer, and Emmer.)
England, La Verne C., assignor to Fairmont Mining Machinery Company, Fairmont, W. Va. Automatic brake mechanism. 1,579,292; Apr. 6.
English Electric Company Limited, The. (See Caverley, J. E., and Highfield, assignors.)
Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic electrical switching means. 1,579,757; Apr. 6.
Ernst, William, assignor to Atlas Manufacturing Company, San Francisco, Calif. Tube cleaner. 1,579,692; Apr. 6.
Esser, Peter, Clifton, N. J. Figure toy. 1,579,602; Apr. 6.
Etienne, Mitchael J., Conrad, Mont. End gate. 1,579,603; Apr. 6.
Eyer, Carl. (See Wild, W., and Eyer.)
Fabric Body Corporation, The. (See Childs, Kenneth L., assignor.)
Fagg, Fredrick, Springfield, Mo. Roof jack. 1,580,027; Apr. 6.
Fairmont Mining Machinery Company. (See England, La Verne C., assignor.)
Falké, Louis F. A., Montreuil-sous-Bois, France. Toy vehicle. 1,579,441; Apr. 6.
Falls, Charles B., New York, N. Y., assignor to Stehli Silks Corporation. Textile fabric. Des. 69,827; Apr. 6.
Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making endless belts. 1,579,293; Apr. 6.
Fandrel, William S., Ashtabula, Ohio. Furnace. 1,580,028; Apr. 6.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Kropp, W., Schranz, and Schulemann, assignors.)
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Governor tappet. 1,579,352; Apr. 6.
Farrow Fountain Company. (See Horn, A. M., and Farrow, assignors.)
Farrow, William T. (See Horn, A. M., and Farrow.)
Federal Telegraph Company. (See Elliott, H. F., and Miller, assignors.)
Fedosenko, William F., Perdue, Saskatchewan, Canada. Hospital invalid bed. 1,579,604; Apr. 6.
Ferretti, Antonio, assignor of one-half to T. Laconi, San Francisco, Calif. Milking bucket. 1,579,811; Apr. 6.
Fey, Anthony B. (See Betts, A. L., and Fey.)
Fields, Harry R., Orlando, Fla. Check protector. 1,579,758; Apr. 6.
Finkeldey, William H., and W. M. Peirce, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallic shingle. 1,579,693; Apr. 6.
Fischer, Oskar, Berlin-Friedenau, Germany, assignor to Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Typewriter type. 1,579,694; Apr. 6.
Fisher, Charles A., and W. MacPherson, Dundas, Ontario, Canada, assignors to Niles-Bement-Pond Company, New York, N. Y. Automatic indexing mechanism. 1,580,029; Apr. 6.
Fisk, Sebring C., Tampa, Fla., assignor to T. E. Specialty Company, Detroit, Mich. Golf practicing device. 1,579,294; Apr. 6.
Fjeldbor, A. S. (See Rasch, Ludvik, assignor.)
Flauder, Alfred J., assignor to The Weldlich Bros. Mfg. Co., Bridgeport, Conn. Salt and pepper shaker. Des. 69,828; Apr. 6.
Fleischmann Company, The. (See Hoffman, Charles, assignor.)
Fleming, Edward, Columbus, Ohio. Mail box. 1,579,520; Apr. 6.
Flexo Drive Corporation. (See Johnson, William E., assignor.)
Folmar, Cecil P., Birmingham, Ala., assignor to Sullivan Machinery Company. Mining-machine truck. 1,579,477; Apr. 6.
Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Whipping cores with strand material. 1,579,695; Apr. 6.
Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for and method of whipping cores with strand material. 1,579,696; Apr. 6.
Forney, John A. (See Reilly, James F., assignor.)
Forse, Lyndall, Yeovil, England. Gramophone or the like. 1,579,862; Apr. 6.
Fostoria Glass Co. (See Magee, William H., assignor.)
Fowler, William S., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 69,829; Apr. 6.
Fox, Ansley H., assignor, by mesne assignments, to Fox Holding Company, Philadelphia, Pa. Internal-combustion engine. 1,579,759; Apr. 6.
Fox Holding Company. (See Fox, Ansley H., assignor.)
France, Antoine, Liege, Belgium. Coal-washing process and plant. 1,579,295; Apr. 6.
François, Nicolas, Bressoux, near Liege, Belgium. Rotary-valve distributing device for compressed-air and like engines. 1,579,296; Apr. 6.
Frank, Milton A. (See Dieringer, Phillip R., assignor.)
Franklin, Claud A., Kansas City, Kans. Manure and straw cutter. 1,579,297; Apr. 6.
Frederickson, Otto A., Wethersfield, assignor to The American Wiremold Company, Hartford, Conn. Braiding machine. 1,579,697; Apr. 6.
French Oil Mill Machinery Co., The. (See Hoover, Charles W., assignor.)
Friedman, William, Jefferson Barracks, Mo. Combination toilet article. 1,580,030; Apr. 6.
Fry, Byron G., Glendale, and D. B. Rawson, Los Angeles, Calif. Safety door lock. 1,579,298; Apr. 6.
Fuhrmann, Warren, Westfield, N. J., assignor to The Multi-Counter Machine Company, Newark, N. J. Register casing. Des. 69,830; Apr. 6.
Fuller-Warren Company. (See Gregg, William L., assignor.)
Funk, James P., trustees. (See Simpson, Earl L., assignor.)
Furcolo, Ciriachino, assignor of one-half to J. Ceffaratti, Philadelphia, Pa. Shoe heel. 1,580,031; Apr. 6.
Gabriel, John C., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way communication system. 1,579,299; Apr. 6.
Gacond, Anna L., Washington, D. C. Cleaning compound. 1,579,698; Apr. 6.
Gagnon, Leo J., Detroit, Mich. Nonglare attachment for headlights. 1,579,442; Apr. 6.
Gallagher, John P., Jersey City, N. J., assignor to Magor Car Corporation, New York, N. Y. Center-sill reenforcement. 1,579,699; Apr. 6.
Gallagher, John P., Jersey City, N. J., assignor to Magor Car Corporation, New York, N. Y. Intermediate-sill reenforcement. 1,579,700; Apr. 6.
Gallison, Ernest A. (See Ball, J. A., and Gallison.)
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing tires. 1,579,922; Apr. 6.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making tubes. 1,579,300; Apr. 6.
Ganz & Co., Danubius Machine-, Railway-Carriage Manufacturing and Shipbuilding Co., Ltd. (See Becker, A., and Stark, assignors.)
Gardner, Leonard T., Baltimore, Md. Device for locating and raising sunken submarines. 1,579,760; Apr. 6.
Garvin, John S., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Relay. 1,579,301; Apr. 6.
Gavin, Percy, National Sanitarium, Tenn. Radio amplifying receiver. 1,579,605; Apr. 6.
Geiger, Ira D., Philadelphia, Pa. Rotary pump. 1,580,032; Apr. 6.
General Electric Company. (See Cummings, Helen J., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Engineering Company, The. (See McAtee, Bernard M., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Street Signal Corporation. (See Ruddick, John J., assignor.)
Genesy Electric Lantern Co. (See Patche, Henry B., assignor.)

Gentry, John H. (See Pearson, T. S., and Gentry.)
Geometric Tool Co., The. (See Breitenstein, Albert F., assignor.)
Gerold, Charles L., Milwaukee, Wis. Price tablet and the like. 1,579,863; Apr. 6.
Geyer, Ernest H. (See Mitchell, Courtney N., assignor.)
Gibson, Nicholas E., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,579,923; Apr. 6.
Gidden, William T., Smethwick, and W. G. Ragg, Birmingham, assignors to Chance and Hunt, Limited, Oldbury, England. Treating crude oxide and carbonate of zinc. 1,579,302; Apr. 6.
Giles, Josephine, Wareham, Mass. Ironing board. 1,579,303; Apr. 6.
Gillette Safety Razor Company. (See Thompson, Ralph E., assignor.)
Ginzkey-Maffersdorf, Inc (See Dickinson, Stella B., assignor.)
Girl, Christian, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,579,521; Apr. 6.
Girl, Christian, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,579,522; Apr. 6.
Givens, Edward F., assignor to Lankershim Ladder Company, Lankershim, Calif. Ladder. 1,579,701; Apr. 6.
Goddard, Frederick M., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,579,304; Apr. 6.
Godfrey, Harvey, Newport, Ky. Automatic gas cut-off. 1,580,033; Apr. 6.
Godula, George, Wyoming, Pa. Rail joint. 1,579,924; Apr. 6.
Goertz, Frederick. (See Schermerhorn, J. L., and Goertz.)
Goldberg, Carl, Halda, Czechoslovakia. Flower bowl or vase. 1,579,305; Apr. 6.
Goldberg, Max, and B. Katz, New York, N. Y. Ring. Des. 69,831; Apr. 6.
Golding Bros. Company. (See Korzinek, William C., assignor.)
Goldsmith, Abraham J., New York, N. Y. Garment supporter. 1,579,306; Apr. 6.
Good, Robert, Washington, Pa. Water-cooled bridge. 1,579,353; Apr. 6.
Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)
Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)
Goodrich, B. F., Company, The. (See Dieterich, Ernest O., assignor.)
Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company, The. (See Goodwin, John O., assignor.)
Goodrich, B. F., Company, The. (See Kepler, Irwin F., assignor.)
Goodwin, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fibrous material. 1,579,925; Apr. 6.
Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)
Goodyear Tire & Rubber Company, The. (See Shaw, Dexter N., assignor.)
Gordon, Chester S., New York, N. Y., assignor to American Telephone and Telegraph Company. Tool handle. 1,579,307; Apr. 6.
Gottschalk, Otto, Buenos Aires, Argentina. Ruler. 1,579,702; Apr. 6.
Goulrand, René, and A. Pache, New York, N. Y. Clamp. 1,579,523; Apr. 6.
Gould Coupler Company, The. (See Bouché, William F., assignor.)
Gracey, Harvey H., Long Beach, Calif. Air or gas lift pump. 1,579,606; Apr. 6.
Graham, Edward A., London, England. Loud speaker. Des. 69,832; Apr. 6.
Graham, Edward A., London, England. Loud speaker. Des. 69,833; Apr. 6.
Graham, James H., Torrington, Conn. Thread-rolling dies and producing same. 1,579,308; Apr. 6.
Graham, William H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Dustguard for journal boxes. 1,579,309; Apr. 6.
Grand Rapids Brass Company. (See Ekman, Andrew, assignor.)
Grand Rapids Brass Company. (See Osbeck, Elmer C., assignor.)
Grant, Alexander D., San Jose, Calif. Smoking device. 1,579,703; Apr. 6.
Grant, John, Los Angeles, Calif. Releasable spider. 1,580,099; Apr. 6.
Grant, John, Los Angeles, and S. L. Campbell, Berkeley, Calif.; said Campbell assignor to said Grant. Friction-grip clamp. 1,580,100; Apr. 6.
Greaves, Robert, Wallasey, England. Magnetic separator. 1,579,354; Apr. 6.
Greenawalt, William E., Denver, Colo. Apparatus for treating liquid with gases. 1,579,355; Apr. 6.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,579,356; Apr. 6.
Greene, Fred E., Berkeley, Calif. Machine for finishing and paving ditches. 1,579,443; Apr. 6.
Greer, Jesse W., Cambridge, Mass. Window. 1,579,926; Apr. 6.
Gregg, William L., assignor to Fuller-Warren Company, Milwaukee, Wis. Stove. 1,579,524; Apr. 6.
Gregor, William D., W. M. Osborne, and A. J. Kemzura, Newton Falls, N. Y. Treating pulp. 1,579,525; Apr. 6.
Griess, Justin, assignor to The McMyler-Interstate Company, Bedford, Ohio. Rolling car dumper. 1,579,927; Apr. 6.
Grigsby, Bertram J., Park-Ridge, Ill., assignor to Whyte Motor Products Company. Steering column. Re16,312; Apr. 6.
Grillet, Lucien, Lausanne, Switzerland. Device for pulverizing a mixture of air and liquid fuel. 1,579,310; Apr. 6.
Groebli, Paul, assignor to Iklé Frères & Co., Inc., New York, N. Y. Lace. Des. 69,834; Apr. 6.
Groesbeck, Hoadley R., Philadelphia, Pa. Automobile bumper. 1,579,928; Apr. 6.
Grothe, Henry, Le Sueur Center, Minn. Picture-hanging device. 1,579,357; Apr. 6.
Grow, Harry L., Fairbanks, Alaska. Mining machine. 1,579,704; Apr. 6.
Gubelmann, William S., Buffalo, N. Y. Distinguishing means for keys and dials of registering machines. 1,579,929; Apr. 6.
Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and casting machine. 1,579,812; Apr. 6.
Gulberson Corporation, The. (See Crickmer, Charles S., assignor.)
Gulf, Carmelino, Boston, Mass. Cue. 1,580,034; Apr. 6.
Gulline, Henry L., Montreal, assignor of one-half to J. Hyde, Westmount, Quebec, Canada. Calendar. 1,579,358; Apr. 6.
Günther, Otto, Esslingen, Germany, assignor, to The Superheater Company, New York, N. Y. Feed-water heater. 1,579,311; Apr. 6.
Günther, Otto, Esslingen, Germany, assignor, to The Superheater Company, New York, N. Y. Method and apparatus for controlling the feed-water supply to stem boilers. 1,579,312; Apr. 6.
Günther, Otto, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y. Process and apparatus for purifying boiler feed water. 1,579,444; Apr. 6.
Günther, Otto, Esslingen, Germany, assignor to The Superheater Company, New York, N. Y. Feed-control apparatus for steam boilers. 1,579,526; Apr. 6.
Gilsmer, Hermann, Zernitz, Germany. Covering for railway-track crossings. 1,580,035; Apr. 6.
Haas, Edward, assignor of one-half to W. V. Dielmann, San Antonio, Tex. Antiskidding device for automobiles. 1,579,478; Apr. 6.
Haase, Carl O., Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-whipping mechanism. 1,579,313; Apr. 6.
Hackstroh, Pieter A. M., The Hague, and O. van Keulen, Haarlemmer Meer, Netherlands. Gas valve. 1,579,761; Apr. 6.
Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiotransmitter. 1,579,930; Apr. 6.
Haddox, Clifford M., Charleston, W. Va. Screen fastener and protector. 1,579,445; Apr. 6.
Haegele, William A., Elizabeth, N. J. Game apparatus. 1,580,036; Apr. 6.
Hagedorn, William P., Davenport, Iowa. Skid chain. 1,579,446; Apr. 6.
Haines, Lewis N., and E. Irwin, Klamath Falls, Oreg. Print drier. 1,579,527; Apr. 6.
Hale, Alfred, Rubber Company. (See Cutler, David A., assignor.)
Hale, S. H. (See Tiller, David M., assignor.)
Hall and Stells Limited. (See Stell, Alfred and J., and Welch, assignors.)
Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Phonograph. 1,580,037; Apr. 6.
Hallenbeck, George E., Toledo, assignor to C. B. Rose, Kent, Ohio. Clutch. 1,579,359; Apr. 6.
Halloran, Ralph A., Berkeley, W. N. Davis, Oakland, and G. A. Davidson, assignors to Standard Oil Company, San Francisco, Calif. Treatment of waste products resulting from acid treatment of petroleum oil. 1,579,607; Apr. 6.
Halvorsen, Birger F., assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Production of ammonia from gases containing cyanide of hydrogen. 1,580,038; Apr. 6.
Hammer, Charles, Hollis Court Boulevard, N. Y. Capped container and cap therefor. 1,579,762; Apr. 6.
Hammond, William P., East Orange, N. J. Bracket support for rear-view mirrors and clocks. 1,579,763; Apr. 6.
Hampden Glazed Paper & Card Company. (See Fowler, William S., assignor.)
Handler, Harry S., et al. (See Ziperstein, Israel I., assignor.)
Hanson, Bennie P., Cedar Falls, assignor to E. L. Moore, Waterloo, Iowa. Motor-vehicle bumper. 1,579,528; Apr. 6.
Hanson, Nathan E. (See Long, W. B., and Hanson.)

Hargreaves, Frederick M., Carterville, Ill. Antiskid chain. 1,579,813; Apr. 6.
Harpstrite, Augustus J., assignor of one-half to F. A. Harpstrite, Los Angeles, Calif. Combination air, land, and water plane. 1,579,654; Apr. 6.
Harpstrite, Augustus J., assignor of one-half to F. A. Harpstrite, Los Angeles, Calif. Combined air, land, and water craft. 1,579,655; Apr. 6.
Harpstrite, Augustus J., assignor of one-half to F. A. Harpstrite, Los Angeles, Calif. Air, land, and water craft. 1,579,656; Apr. 6.
Harpstrite, Frederick A. (See Harpstrite, Augustus J., assignor.)
Harrison, Burt S., Brooklyn, assignor to Carrier Engineering Corporation, New York, N. Y. High-temperature heating system. 1,579,314; Apr. 6.
Harry, James A. (See Long, F. R., and Harry.)
Hart Oil Burner Co. (See Aldrich, Loyd L., assignor.)
Hartley, Ralph V. L., East Orange, N. J., annd R. C. Mathes, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,579,931; Apr. 6.
Hartwig, Henry E., Superior, Wyo. Curtain and shade support. 1,580,039; Apr. 6.
Hartwig, Louis J., Utica, N. Y. Latch for combined cigarette and match box holders. 1,579,360; Apr. 6.
Hasbrouck, Arthur J., Grundy Center, Iowa. Initiation apparatus. 1,580,040; Apr. 6.
Haschke, Jules E., Redondo Beach, Calif. Dirigible buoy. 1,579,529; Apr. 6.
Hasselmann, Otto, Wiesbaden, Germany. Container for storing medical injection needles. 1,580,104; Apr. 6.
Hatcher, Josh, Delagua, Colo. Railroad-crossing signal. 1,579,315; Apr. 6.
Haudenshield, Samuel S., Carnegie, Pa. Rubber dam 1,579,608; Apr. 6.
Hauser, Hans. (See Müller, Otto, assignor.)
Hawkinson, Axel W., assignor to Sidway-Topliff Company, Washington, Pa. Toy automobile. 1,580,041; Apr. 6.
Hayden, William T., Sullivan, Ind. Portable spray pump. 1,579,316; Apr. 6.
Hayes, Neil G., Stratford, Conn. Electric snap switch. 1,579,361; Apr. 6.
Hayward Company, The. (See Atkinson, Herbert S., assignor.)
Hazel-Atlas Glass Co. (See Henning, Glen E., assignor.)
Hearn, Walter A., Baltimore, Md. Anchor for safety attachments. 1,579,764; Apr. 6.
Heck, Augustus. (See Milliken, C. H., and Heck.)
Heim Grinder Company. (See Heim, Lewis R., assignor.)
Heim, Lewis R., assignor, by mesne assignments, to Heim Grinder Company, Danbury, Conn. Roll-grinding apparatus. 1,579,932; Apr. 6.
Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Apparatus for grinding rolls and the like. 1,579,933; Apr. 6.
Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Roll-grinding apparatus. 1,579,934; Apr. 6.
Heinz, John L. C., Chicago, Ill. Self-locking hinge for casement windows. 1,579,362; Apr. 6.
Heinz, John L. C., Chicago, Ill. Casement-window hinge with automatic lifting and locking means. 1,579,363; Apr. 6.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Resonance indicator. 1,579,935; Apr. 6.
Heitkamp, Charles F. A., et al. (See Sauton, George H., assignor.)
Heitkamp, Oscar R. L., et al. (See Sauton, George H., assignor.)
Heitkamp, Simon A. G., et al. (See Sauton, George H., assignor.)
Helfrich, John. (See Tebbs, C. E., and Helfrich.)
Heller, Max, and J. M. Howlett, Gary, Ind. Protective cover for bath fixtures. 1,579,530; Apr. 6.
Hellstrom, Carl R., Minneapolis, Minn. Bag holder. 1,579,814; Apr. 6.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,579,609; Apr. 6.
Hempel, Arthur C., Detroit, Mich. Toy. 1,579,531; Apr. 6.
Hempy, Wilbur J. (See Blakesley, G. W., and Hempy.)
Henker, Otto, assignor to C. Zeiss, Jena, Germany. Refractometer. 1,579,532; Apr. 6.
Henning, Glen E., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Individual bridge wall for flow spouts. 1,579,364; Apr. 6.
Hensley, Charles G. (See Holtzman, John, assignor.)
Hercules Novelty Mfg. Co., Inc. (See Wendel, Frans B., assignor.)
Herron, James C., assignor to Reflector & Illuminating Co., Chicago, Ill. Reflector holder. 1,579,936; Apr. 6.
Hervig, Richard, Chicago, Ill., assignor to American Car and Foundry Company, New York, N. Y. Drill-flute-milling machine. 1,579,317; Apr. 6.
Hess, Alexander M., Brooklyn, N. Y. Sewing machine. 1,579,533; Apr. 6.
Hewitt, Elmer S., San Francisco, Calif. Hot-air drier. 1,579,705; Apr. 6.
Hibasco, Steven, assignor of one-half to H. F. Kaugieser, Palo Alto, Calif. Piston construction. 1,580,042; Apr. 6.
Hibbard, Louis R., and R. S. Berry, Los Angeles, Calif. Tree protector. 1,579,534; Apr. 6.
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Making stems for tipless lamps. 1,579,765; Apr. 6.
Higham, John, Los Angeles, Calif. Burner. 1,579,535; Apr. 6.
Highfield, William E. (See Calverley, J. E., and Highfield.)
Hind, Cecil M., Seattle, Wash. Dirigible headlight attachment for automobiles. 1,579,610; Apr. 6.
Hite, Charles E., Philadelphia, Pa. Composition of matter. 1,579,611; Apr. 6.
Hite, Charles E., Philadelphia, Pa. Slaked lime and producing it. 1,579,766; Apr. 6.
Hobart, John P., jr., Bluefield, W. Va. Loud speaker. 1,579,864; Apr. 6.
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Calculating device. 1,579,706; Apr. 6.
Hodgson, John L., near Leighton Buzzard, England. Flexible diaphragm for use in the measurement of fluid pressure. 1,579,536; Apr. 6.
Hoe, R. and Co. (See White, Bruce C., assignor.)
Hoel, Arthur, Orchard, Iowa. Tool-supporting attachment to motor-driven vehicles. 1,580,043; Apr. 6.
Hoffman, Charles, Tuckahoe, assignor, by mesne assignments, to The Fleischmann Company, New York, N. Y. Manufacture of leavened bread. 1,579,447; Apr. 6.
Hoffman, Otto C., and J. J. Dunn, Buffalo, N. Y. Machine for removing contents of paper cups. 1,579,612; Apr. 6.
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Oil stove. 1,579,318; Apr. 6.
Hoffmann-Billings Mfg. Co. (See Niedecken, Edward F., assignor.)
Holden, Charles S., assignor, by mesne assignments, to Holden Knitting Co., Worcester, Mass. Knitted article and making same. 1,579,479; Apr. 6.
Holden Knitting Co. (See Holden, Charles S., assignor.)
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Pumping system. 1,579,617; Apr. 6.
Hollmig, Emil, assignor, by mesne assignments, to The Klein Manufacturing Company, Chicago, Ill. Automatic fuel saver and auxiliary air regulator. 1,579,365; Apr. 6.
Holly Sugar Corporation. (See Drummond, George M., assignor.)
Holmes, Raymond A., Catonsville, Md. Ornamental figure toy. 1,579,613; Apr. 6.
Holtzman, John, assignor of one-half to C. G. Hensley, New York, N. Y. Fountain pen. 1,579,937; Apr. 6.
Homewood, Fred A., Glendo, Wyo. Gravity separator. 1,579,448; Apr. 6.
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hood, William, San Francisco, Calif. Feather-washing machine. 1,579,707; Apr. 6.
Hoover, Charles W., Yazoo City, Miss., assignor, by mesne assignments, to The French Oil Mill Machinery Co., Piqua, Ohio. Machine for forming oil cakes. 1,579,480; Apr. 6.
Horn, Arthur M., and W. T. Farrow, assignors to Farrow Fountain Company, El Paso, Tex. Carbonating apparatus. 1,580,085; Apr. 6.
Horn, Emil F., Astoria, N. Y. Turner or reverser. 1,580,044; Apr. 6.
Hornig, August W., Chicago, Ill. Radio wiring set. 1,579,614; Apr. 6.
Hospital Import Corporation. (See Rothschild, L., and Liptay, assignors.)
Hotter, Edward, Chicago, Ill. Core-pulling device. 1,579,938; Apr. 6.
Howe, Morris, Duluth, Minn, Suction bracket. 1,579,615; Apr. 6.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,580,105; Apr. 6.
Howlett, James M. (See Heller, M. and Howlett.)
Hubbell, Harvey, Bridgeport, Conn. Four-door duplex flush receptacle. 1,579,865; Apr. 6.
Hubbell, Henry E., New York, N. Y. Sanitary mask. 1,579,449; Apr. 6.
Hughens, Hardy V., Shreveport, La. Colonic irrigating apparatus. 1,579,537; Apr. 6.
Hulsenfeldt, John M., Minneapolis, Minn. Geometrical instrument for laying out roofs, hoppers and the like. 1,579,366; Apr. 6.
Hull, John C., Gasport, N. Y. Spraying machine. 1,579,319; Apr. 6.
Humphrey, Erasmus O., Ripon, Calif. Camp body. 1,579,815; Apr. 6.
Hunkins, William S., Hollywood, Calif. Pin tube. 1,579,939; Apr. 6.
Hunter, David H., San Antonio, Tex., assignor to Sullivan Machinery Company. Pumping system. 1,579,616; Apr. 6.
Hutchings, John F., Eaton, Ind. Implement for depositing cores. 1,579,538; Apr. 6.
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)

Hutchins Car Roofing Co. (See Whyte, Frederick M., assignor.)
Hutchinson, W. F., et al. (See Schmidt, Henry D., assignor.)
Hybinette, Victor E., Monrovia, Calif. Light aluminum alloy and producing same. 1,579,481; Apr. 6.
Hyde, John. (See Gulline, Henry L., assignor.)
Hymer, Harry E., Mamaroneck, N. Y. Jointed figure toy. 1,579,367; Apr. 6.
Hysko, John L., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated. Frequency-indicating system. 1,579,320; Apr. 6.
Iklé Frères & Co., Inc. (See Groebli, Paul, assignor.)
Imhoff, Max. (See Berg, O. P., and Imhoff.)
International Motor Company. (See Josephs, Lyman C., jr., assignor.)
Irwin, Elmer. (See Haines, L. N., and Irwin.)
Itjen, Martin, and G. T. Rapuzzi, Skagway, Alaska. Hoisting device. 1,579,539; Apr. 6.
Iversen, Jacob, Berlin, Germany. Apparatus for automatically regulating fluid pressures. 1,579,940; Apr. 6.
Ives, Harry A., Brooklyn, assignor to Thrift Fuel Saver Corporation, New York, N. Y. Air heater for furnaces. 1,579,368; Apr. 6.
Jacklin, Leonard F., assignor to The Western Glass Company of Streator, Ill., Streator, Ill. Figured glass. Des. 69,835; Apr. 6.
Jackson, Maunsell B., Toronto, Ontario, Canada. Hydraulic clutch. 1,579,540; Apr. 6.
Jacobs, Ernest E., and M. Karnes, West Frankfort, Ill. Apparatus for tempering tools and the like. 1,579,866; Apr. 6.
Jacoby, Arthur M., London, England. Hook. 1,579,767; Apr. 6.
Jammer, Jacob S., New York, and C. T. Anderson, Tomkinsville, assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating electrical effects. 1,579,708; Apr. 6.
Janicki, John, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for serving material upon a core. 1,579,709; Apr. 6.
Japp, Heinrich, assignor to C. Conradty, Nuremberg, Germany. Collector. 1,579,337; Apr. 6.
Jenkins, Peter, Chicago Ill. Squeegee mounting. 1,579,941; Apr. 6.
Jensen, Peter L. (See Pridham, E. S., and Jensen.)
Jensen, Victor G., Chicago, Ill. Outlet for wires. 1,579,618; Apr. 6.
Jensvold, Christopher, Oswego, N. Y. Closure cap for containers. 1,579,542; Apr. 6.
Johnson, Albert, Lime Springs, Iowa. Double-acting air pump. 1,579,321; Apr. 6.
Johnson, Arthur, Detroit, Mich. Automobile. 1,579,943; Apr. 6.
Johnson Automobile Lock Co. (See Johnson, Colvin L., assignor.)
Johnson, Carl A., assignor of one-half to A. R. Petterson, Worcester, Mass. Take-up block. 1,579,450; Apr. 6.
Johnson, Colvin L., Chicago, Ill., assignor to Johnson Automobile Lock Co. Automobile lock. 1,579,768; Apr. 6.
Johnson, James H., Indianapolis, Ind., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Hat block. 1,580,045; Apr. 6.
Johnson, Joseph, New York, N. Y. Current-rectifying system. 1,579,944; Apr. 6.
Johnson, William E., Kenosha, Wis., assignor, by mesne assignments to Flexo Drive Corporation, Chicago, Ill. Flexible automatic transmission. 1,579,322; Apr. 6.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Stirrer. 1,579,323; Apr. 6.
Johnston, Russell R. Milwaukee, Wis. Display form. 1,579,710; Apr. 6.
Jones, Augustus W., jr., and C. Abrams, Oceanside, N. Y. Amusement apparatus. 1,580,046; Apr. 6.
Jones, Harold F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-handling apparatus. 1,579,769; Apr. 6.
Jordan, Seth N., Burlington, Iowa. Disconnecting switch. 1,580,047; Apr. 6.
Jorgensen, Jesse J., Balboa, Canal Zone, Panama. Variable air condenser. 1,579,482; Apr. 6.
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company New York, N. Y. Controlling device for the throttle valves of internal-combustion engines. 1,579,324; Apr. 6.
Joy, Walter G., Cleveland, Tex. Railway gate and signal. 1,580,048; Apr. 6.
Joyce, Bryan P., Davenport, Iowa. Adjustable axle pivot pin for gun carriages. 1,579,484; Apr. 6.
Joyce, Bryan P., Davenport, Iowa, assignor to T. A. Conlon, Silver Spring, Md. Portable winch. 1,579,483; Apr. 6.
Juckett, Frank A., assignor to Old Colony Envelope Company, West Springfield, Mass. Mailing envelope. Des. 69,836; Apr. 6.
Kales Stamping Company. (See Zink, Fred W., assignor.)
Kämpf, Adolf, Premnitz, Germany. Treating viscose silk in a vacuum. 1,579,711; Apr. 6.
Kane, Edward W. (See Douglas, J. F. H., and Kane.)
Kaplnos, Joseph F., Buffalo, N. Y. Oil burner. 1,579,816; Apr. 6.
Kapraun, Edward W., Henry, Ill. Headlight-shifting means. 1,579,541; Apr. 6.
Kardos, Steve, Cleveland, Ohio. Window-cleaning device. 1,580,049; Apr. 6.
Karnes, Marsh. (See Jacobs, E. E., and Karnes.)
Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity purse. Des. 69,837; Apr. 6.
Kaseberg, Theodore C., Granite City, Ill., assignor to American Car and Foundry Company, New York, N. Y. Spring-coiling machine. 1,579,325; Apr. 6.
Katz, Benjamin. (See Goldberg, M., and Katz.)
Kauffman, Harold L., Parco, Wyo., assignor to Producers and Refiners Corporation. Purifying and decolorizing agent for oils and making the same. 1,579,326; Apr. 6.
Kaugieser, Henry F. (See Hibasco, Steven, assignor.)
Keath, Charles T. (See Wilcox, Amos H., assignor.)
Kenvey, John C., South Euclid, Ohio. Attachment for pneumatic hammers. 1,579,542; Apr. 6.
Ke Haw Ke Manufacturing Company. (See Ryan, Jerry R., assignor.)
Keith, Walter P., New Castle, Pa., assignor to Selberling Rubber Company. Pneumatic tire. 1,579,817; Apr. 6.
Keller, Jule M., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Cast-iron car wheel. 1,579,214; Apr. 6.
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kelley, J. Maurice. (See Christman, W. E., and Warren, assignors.)
Kellogg Company. (See Kellogg, John L., assignor.)
Kellogg, John L., assignor, by mesne assignments, to Kellogg Company, Battle Creek, Mich. Amusement and advertising device. 1,579,867; Apr. 6.
Kellogg Switchboard and Supply Company. (See Gibson, Nicholas E., assignor.)
Kelly, Henrietta L., Santos, Brazil. Bag or grip carrier for use on automobiles. 1,579,770; Apr. 6.
Kelly, Worrall S., Chicago, Ill. Excavating and scoop shovel. 1,579,945; Apr. 6.
Kemzura, Alex J. (See Gregor, W. D., Osborne, and Kemzura.)
Kennedy, Henrique C., Philadelphia, Pa. Combination tool. 1,579,818; Apr. 6.
Kenney, John E., assignor to J. E. Dunne, Portland, Oreg. Washing machine. Re16,314; Apr. 6.
Kent, Arthur A., Ardmore, Pa. Electric igniting mechanism for internal-combustion engines. Re16,313; Apr. 6.
Kepler, Irwin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Endless belt or band. 1,579,946; Apr. 6.
Kerby, Frank, Woollahra, near Sydney, New South Wales, Australia. Motor car and other door lock. 1,579,619; Apr. 6.
Kerr, Daniel G., Salem, Oreg. Nut lock. 1,579,620; Apr. 6.
Kestly, John, Portland, Oreg. Mixing device. 1,580,050; Apr. 6.
Kidde, Walter, & Company. (See Kiddie, W., and Worth, assignors.)
Kidde, Walter, Montclair, and B. G. Worth, West Orange, N. J., assignors to Walter Kidde & Company. Fire-extinguishing system. 1,579,712; Apr. 6.
Kiesel, William F., jr., Altoona, Pa. Water-level indicator for traveling boilers. 1,579,868; Apr. 6.
Kilpatrick, Robert T., Memphis, Tenn. Capsule-filling machine. 1,579,947; Apr. 6.
Kimball, A., Company. (See Laencher, Frederick W., assignor.)
King, Clifford G., Providence, R. I. Seamless plated wire. 1,579,819; Apr. 6.
King, Harry Y., Bentonville, Ark. Vent. 1,579,543; Apr. 6.
Kirchhof, Ludwig. (See Vogt, E., and Kirchhof.)
Kirk, William E. (See Bell, G., and Kirk.)
Kislinger, Joseph B., New York, N. Y., assignor to M. B. Kislinger, Jewelry. 1,579,820; Apr. 6.
Kislinger, Marie B. (See Kislinger, Joseph B., assignor.)
Klages, Albert D., assignor to Alkay Specialty Company, Springfield, Mass. Dishwashing device. 1,579,869; Apr. 6.
Klasnich, John, and J. J. Zwalsh, Cleveland, Ohio. Electric-sign switch. 1,579,870; Apr. 6.
Klein Manufacturing Company, The. (See Hollmig, Emil, assignor.)
Kleinhans, Lindley, Pittsburgh, Pa. Railway dump car. 1,579,821; Apr. 6.
Kleven, Gilbert. (See Kleven, Knut, assignor.)
Kleven, Knut, Minneapolis, Minn., assignor of one-half to G. Kleven, Mount Horeb, Wis. Fender brace and bumper. 1,579,621; Apr. 6.
Klosner, Morris, New York, N. Y. Rheostat. 1,579,215; Apr. 6.
Knickerbocker, Arthur K., Crosby, Minn. Toy. 1,579,822; Apr. 6.
Knight, Katharine S., Roslyn, N. Y., assignor to Stehli Silks Corporation. Textile fabric. Des. 69,838; Apr. 6.
Knoop, William A., East Northport, assignor to Western Electric Company, Incorporated, New York, N. Y. Voltage-limiting device. 1,579,216; Apr. 6.
Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Positioning device for grinding machines. 1,579,713; Apr. 6.

Knowles, Cecil S., Seattle, Wash. Game. 1,579,327; Apr. 6.
Koch, Henry, and F. H. N. Wohlers, Jamaica, N. Y., and W. Nagley, Rahway, N. J., assignors to Dictograph Products Corporation. Battery carrier and connecter. 1,579,369; Apr. 6.
Kochendorfer, Frederic S., River Forest, and J. N. Selvig, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand or cord working mechanism. 1,579,217; Apr. 6.
Konoff, Alexander, assignor to Overland Metal Novelty Co. Inc., New York, N. Y. Doll's eye. 1,580,051; Apr. 6.
Kools, Bernard P., assignor to The Kools Manufacturing Company, Appleton, Wis. Vegetable peeler. 1,579,771; Apr. 6.
Kools Manufacturing Company, The. (See Kools, Bernard P., assignor.)
Korvin-Kronkovsky, Boris V. (See Zimmermann, P. G., and Korvin-Kronkovsky.)
Korzinek, William C., Cliffside Park, N. J., assignor to Golding Bros. Company, New York, N. Y. Textile fabric. Des. 69,839; Apr. 6.
Kosecki, Paul, and H. A. Carlson, Kenosha, Wis. Multiple-record player for phonographs. 1,579,871; Apr. 6.
Kozielski, Stanley A., Cleveland, and F. J. Booth, South Euclid, Ohio. Case structure. 1,580,052; Apr. 6.
Kramer, Fred F., jr., Allentown, Pa. Cleaning device for player pianos. 1,579,714; Apr. 6.
Krammer, Henry E., New York, N. Y. Control mechanism for aeroplanes. 1,579,370; Apr. 6.
Kridler, Bernie C., and J. C. Boyle, assignors to The Shingle Lock Company, Flint, Mich. Shingle clip. 1,579,715; Apr. 6.
Kropp, Walther, and W. Schranz, Elberfeld, and W. Schulemann, Vohwinkel, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Orthohenzylphenol and preparing the same. 1,580,053; Apr. 6.
Kuhlke Machine Company, The. (See Kuhlke, Otto J., assignor.)
Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Vulcanizer. 1,579,716; Apr. 6.
Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Vulcanizer. 1,579,717; Apr. 6.
Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Apparatus for curing tire flaps or the like. 1,579,718; Apr. 6.
Kussner, Israel, New York, N. Y. Shooting-gallery toy. 1,579,371; Apr. 6.
L. H. P. Products Company. (See La Chapelle, Alfred M., assignor.)
La Brie, Ludger E., assignor to Motor Industries, Inc., Chicago, Ill. Vehicle wheel. 1,579,328; Apr. 6.
La Chapelle, Alfred M., Chicago, Ill., assignor to L. H. P. Products Company. Carburetor. 1,579,329; Apr. 6.
Lachman, Maurice. (See Tench, F., and Lachman.)
Laconi, Thomas. (See Ferretti, Antonio, assignor.)
Laencher, Frederick W., Brooklyn, assignor to A. Kimball Company, New York, N. Y. Machine for assembling marking tags in superimposed relation. 1,580,054; Apr. 6.
Landsiedel, Harry, Norwood, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Calculating machine. 1,579,544; Apr. 6.
Langguth, Edith N., New York, N. Y. Table. 1,579,823; Apr. 6.
Langsdorf, Alexander S., assignor to Alvey Manufacturing Company, St. Louis, Mo. Automatic control for power conveyer systems. 1,579,545; Apr. 6.
Lankershim Ladder Company. (See Givens, Edward F., assignor.)
Larkworthy, Frederick W., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Means for steering creeper tractors. 1,579,372; Apr. 6.
Laurell, Axel H., Djursholm, Sweden. Electrode consisting of lengths that can be joined together in a continuous manner. 1,579,824; Apr. 6.
Lauren, John W., Sterling, Ill. Wire-drawing machine. 1,579,373; Apr. 6.
Lavender, Samuel C., Slim, assignor of one-fourth to R. W. Case, Wright City, Okla. Hose clamp. 1,579,719; Apr. 6.
Lax, James, assignor of one-half to J. H. Struthridge, Johannesburg, Transvaal, South Africa. Worm wheel. 1,580,055; Apr. 6.
Lazote, Inc. (See Claude, Georges, assignor.)
League, Thomas J., Chicago, Ill., assignor to Diversey Foundry Company. Lamp base. Des. 69,840; Apr. 6.
League, Thomas J., Chicago, Ill., assignor to Diversey Foundry Company. Lamp base. Des. 69,841; Apr. 6.
League, Thomas J., Chicago, Ill., assignor to Diversey Foundry Company. Lamp base. Des. 69,842; Apr. 6.
League, Thomas J., Chicago, Ill., assignor to Diversey Foundry Company. Lamp base. Des. 69,843; Apr. 6.
Lecjaky, Josef, assignor to J. Sec, New York, N. Y. Marbleizing paper. 1,579,872; Apr. 6.
Lehpamer, Karl, Cicero, Ill. Lath. 1,579,546; Apr. 6.
Leighton, John J., Rochester, N. Y. Splash guard for sinks. 1,579,374; Apr. 6.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Production of continuous strips of glass and apparatus therefor. 1,579,825; Apr. 6.
Lerner, Leopold, New York, N. Y. Display card. 1,579,720; Apr. 6.
Leslie, Freeland H., Chicago, Ill. Welding apparatus. 1,579,721; Apr. 6.
Lesourd, Georges. (See Alkan, R., and Lesourd.)
Le Vesconte, Harold J., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va. Pneumatic-tire pressure gauge. 1,579,547; Apr. 6.
Le Vesconte, Harold J., assignor, by mesne assignments, to Tiregage Valve Corporation, Charleston, W. Va. Tire-stem pressure gauge. 1,580,056; Apr. 6.
Levey, William J., Schenectady, N. Y. Trousers supporter. 1,579,375; Apr. 6.
Lewis, George H., Elizabeth, N. J. Electrical condenser and making and adjusting the same. 1,580,057; Apr. 6.
Lichter, Adolph H., assignor to The Willys-Overland Company, Toledo, Ohio. Spring upholstered cushion. 1,579,873; Apr. 6.
Lightning Products Corporation. (See Clutier, Brice L., assignor.)
Lindgren, Stanley H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Friction-top can. 1,579,548; Apr. 6.
Linker, Oskar, Leipzig-Gohlis, Germany. Transformation of crude peat into a coallike substance. 1,580,058; Apr. 6.
Liptak, Michael, St. Paul, Minn. Furnace wall. 1,579,218; Apr. 6.
Liptay, John M. (See Rothschild, L., and Liptay.)
Littlejohn, James C., San Francisco, Calif. Supplementary headlight device. 1,579,772; Apr. 6.
Locke, Benjamin F., La Croas, Wis. Potato-chip-frying apparatus. 1,579,874; Apr. 6.
Lockemann, Georg, Berlin, Germany. Manufacture of 1-phenyl-2.3-dimethyl-4-dimethylamino-5-pyrazolon. 1,580,059; Apr. 6.
Logan, Henry H., Chicago, Ill. Brake-operating mechanism for electric hoists and the like. 1,579,549; Apr. 6.
Loke, William A., Lambeth, England. Electric furnace and the like. 1,580,060; Apr. 6.
Long, Frederick R., and J. A. Harry, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Wheel-breaking machine. 1,579,330; Apr. 6.
Long, William B., and N. E. Hanson, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,579,550; Apr. 6.
Lorenz, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va. Apparatus for raising nap on hat bodies. 1,579,551; Apr. 6.
Lösel, Franz, Brunn, Czechoslovakia. Controlling the water circulation in water-tube boilers. 1,579,773; Apr. 6.
Louis, Terrance G., Springfield, Mass. Magneto. 1,579,331; Apr. 6.
Lowndes, Arthur, Toronto, Ontario, Canada. Automatic weighing scale. 1,579,219; Apr. 6.
Lowy, Milton, Port Chester, N. Y. Traveling bag. 1,579,774; Apr. 6.
Lucciola, Emilio. (See Di Spirito, Erasmo, assignor.)
Ludlow, Margery N., Altadena, Calif. Holder for pistols or revolvers. 1,579,552; Apr. 6.
Ludlow, Margery N., Altadena, Calif. Pistol holder. 1,579,553; Apr. 6.
Lumbeck, Emil, Elberfeld, Germany, assignor to the Firm of Stock & Co., Elberfeld-Sonnborn, Germany. Hook and eye and setting them. 1,579,220; Apr. 6.
Lumbeck, Emil, Elberfeld, Germany, assignor to the Firm of Stock & Co., Elberfeld-Sonnborn, Germany. Eyelet and making same. 1,579,221; Apr. 6.
Lund, John C., Astoria, N. Y. Display rack. 1,580,061; Apr. 6.
Lundberg, Everett E., assignor to Briggs Manufacturing Company, Detroit, Mich. Snap-on nut. 1,579,875; Apr. 6.
Lüttringhaus, Arthur, Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, and H. Emmer, Mannheim, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacturing vat coloring matters. 1,580,062; Apr. 6.
Lutz, Hans, assignor to The Willys-Morrow Company, Elmira, N. Y. Process and apparatus for grinding rollers. 1,579,876; Apr. 6.
Macadie, Donald, assignor to The Automatic Coil Winder & Electrical Equipment Company Limited, London, England. Traverser mechanism for coil-winding machines. 1,580,086; Apr. 6.
MacNeill, Ora, executrix. (See MacNeill, Paul H.)
MacNeill, Paul H., deceased, late of Evansville, by Ora MacNeill, executrix, Cannelton, assignor of one-fourth to H. R. Carroll and one-fourth to J. W. Phares, Vanderburg County, Ind. Rotary engine. 1,579,226; Apr. 6.
MacPherson, William. (See Fisher, C. A., and MacPherson.)
Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Candlestick. Des. 69,844; Apr. 6.
Magnavox Company, The. (See Pridham, E. S., and Jensen, assignors.)
Magnavox Co., The. (See Schoenfeld, Joseph, assignor.)
Magor Car Corporation. (See Gallagher, John P., assignor.)

Mahan, Frank M., et al. (See Besse, Carl H., assignor.)
Mahan, Joseph R. (See Archer, M. T., and Mahan.)
Majestic Electric Appliance Company. (See Shoenberg, Milton H., assignor.)
Majestic Metal Specialties, Inc. (See Kasdan, N., and Pollack, assignors.)
Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Lathing structure for plaster walls. 1,579,377; Apr. 6.
Mangum, Carl L., Birmingham, Ala. Warp clamp for loom beams. 1,579,227; Apr. 6.
Manning, Maxwell & Moore, Inc. (See Williston, Belvin T., assignor.)
Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Loud speaker or similar article. Des. 69,845; Apr. 6.
Maratea, Giuseppe, Brooklyn, N. Y. Barrel head. 1,579,378; Apr. 6.
Marbach, Frank G. (See Marbach, Martha P. and F. G.)
Marbach, Martha P. and F. G., Lakewood, Ohio. Washing machine. 1,579,878; Apr. 6.
Marbel, Myer M., Chicago, Ill. Surgical instrument. 1,579,379; Apr. 6.
Marek, William P. (See Rohm, G. A., and Marek.)
Margulies, Jacob, Brooklyn, N. Y. Collar. 1,579,879; Apr. 6.
Marks, George E., Sound Beach, Conn. Artificial leg. 1,579,724; Apr. 6.
Marquis, Walter, Cuero, Tex. Attachment for bookkeeping machines. 1,579,557; Apr. 6.
Marsden, Philip A. (See Cutler, A. E., and Marsden.)
Martin, Arthur W., Lenapah, Okla. Wrapping and sealing bread. 1,580,064; Apr. 6.
Martus, Martin L., Woodbury, J. G. Ross, and E. H. Becker, Waterbury, Conn. Primary cell and element thereof. 1,579,228; Apr. 6.
Martus, Martin L., Woodbury, E. H. Becker, and J. G. Ross, Waterbury, Conn. Primary battery. 1,579,558; Apr. 6.
Mathes, Robert C. (See Hartley, R. V. L., and Mathes.)
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,579,229; Apr. 6.
Mathieson, Andrew C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake device. 1,579,380; Apr. 6.
McAtee, Bernard M., Miami, Ariz., assignor by mesne assignments, to The General Engineering Company, Salt Lake City, Utah. Flotation of minerals. 1,579,722; Apr. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Indicator for tank-car valves. 1,579,222; Apr. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Discharge outlet for tank cars. 1,579,223; Apr. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-car-dome closure. 1,579,224; Apr. 6.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-valve mechanism. 1,579,225; Apr. 6.
McCall Company, The. (See Cooper, Simon, assignor.)
McCarty, Earnest, et al. (See Besse, Carl H., assignor.)
McClellon, Harold B., administrator. (See McClellon, James M.)
McClellon, James M., Everett, Mass.; H. B. McClellon, administrator. Boiler. 1,580,063; Apr. 6.
McComb, William M., New York, N. Y. Apparatus for converting higher-boiling-point hydrocarbon oils into lower-boiling-point hydrocarbon oils. 1,579,554; Apr. 6.
McConlogue, Robert T., Freeport, N. Y. Traffic-signal device for motor or other vehicles. 1,579,555; Apr. 6.
McDonnell, Walter J., Mattoon, Ill. Electric semaphore signal. 1,579,877; Apr. 6.
McGarvey, Albert G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Clinker grinder. 1,579,775; Apr. 6.
McGill, Stanley C. (See Cole, H. W., and McGill.)
McIntire, Allyn B., Newton, Mass., assignor to Pepperell Manufacturing Company, Biddeford, Me. Wrapping paper. Des. 69,846; Apr. 6.
McKenzie, Edward, Long Beach, Calif. Combined rack and shelf bracket. 1,579,556; Apr. 6.
McMeeken, John C., Ewen, Mich. Washboiler protector. 1,579,376; Apr. 6.
McMyler-Interstate Company, The. (See Griess, Justin, assignor.)
McQuiston, Frank L., Redondo Beach, Calif. Water motor. 1,579,723; Apr. 6.
Meakes, Ralph M., and G. F. Williams, Toronto, Ontario, Canada. Waterproofing solution. 1,579,725; Apr. 6.
Meinhardt, Theodore F., and G. I. and G. G. Ray, Charlotte, N. C. Closed hot-air heating system. 1,579,230; Apr. 6.
Meissner, Alvin R., Detroit, Mich., and H. H. Byrne, Washington, D. C. Shadow-projecting apparatus. 1,579,880; Apr. 6.
Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
Merrill Hosiery Company. (See Nobel, Karl, assignor.)
Merriman, Leroy, Casper, Wyo. Strainer. 1,580,065; Apr. 6.
Metten, John F., Philadelphia, Pa. Internal-combustion engine. 1,579,332; Apr. 6.
Meyer, Henry E., Dorchester, Mass. Window-manipulating implement. 1,579,726; Apr. 6.
Miller, Clyde B., Piqua, Ohio. Oil heater for internal-combustion engines. 1,579,231; Apr. 6.
Miller, Frederick M., Cambray, N. Mex. Timer cover. 1,580,066; Apr. 6.
Miller, Harry, St. Louis, Mo. Piston ring. 1,580,067; Apr. 6.
Miller, James A. (See Elliott, H. F., and Miller.)
Miller, Thomas S., South Orange, N. J. Lubricating system for thrust mechanisms. 1,579,381; Apr. 6.
Miller, Walter H., Lebanon, assignor to Bethlehem Steel Company, Bethlehem, Pa. Oil burner. 1,579,881; Apr. 6.
Milliken, Charles H. (See Milliken, C. H., and Heck, assignors.)
Milliken, Charles H., and A. Heck, assignors to C. H. Milliken, Newton, Mass. Button-making machine. 1,579,826; Apr. 6.
Millner, Edgar, St. Louis, Mo. Electric heater. 1,579,882; Apr. 6.
Mills, Bertie E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Violin damper device. 1,579,827; Apr. 6.
Mills Novelty Company. (See Mills, Bertie E., assignor.)
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Milton, John L., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Electric switching device. 1,579,232; Apr. 6.
Minimax Utilities Corporation. (See Routson, Howard W., assignor.)
Miskin, Arthur R., Ucon, Idaho. Compensating spring suspension for vehicles. 1,579,233; Apr. 6.
Mitchell, Alexander L., Wilmington, Mass., assignor, by mesne assignments, to Stone & Webster, Inc. Refrigerating apparatus. 1,579,451; Apr. 6.
Mitchell, Courtney N., assignor of one-half to E. H. Geyer, Cleveland, Ohio. Shock absorber. 1,579,727; Apr. 6.
Mitchell, Frederick G., Hyde Park, London, England. Apparatus for tipping railway wagons. 1,580,068; Apr. 6.
Mitchell, James G., Belfast, Ireland. Hand device for beating fabrics and the like. 1,579,382; Apr. 6.
Mladějovsky, Vladislav, Prague, Czechoslavakia. Producing a preparation for treating arteriosclerosis. 1,579,828; Apr. 6.
Moebes, Gus, assignor of one-half to M. J. Wheeler, Visalia, Calif. Floor-board shield for automobiles. 1,579,383; Apr. 6.
Moeller, Edward J., St. Louis, Mo. Nut-castellating mechanism. 1,579,829; Apr. 6.
Moll, Bernhard C., Chicago, Ill. Switch for automobile signals. 1,579,559; Apr. 6.
Monteagle, Robert C., Burlingame, Calif. Valve. 1,579,776; Apr. 6.
Montoya, Joaquin. (See Robie, Pedro, assignor.)
Moore, Caroline S., San Francisco, Calif. Cooler. 1,579,560; Apr. 6.
Moore, Edward L. (See Hanson, Bennie P., assignor.)
Moore, Elisss, Lynchburg, Va., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread cutter and clamp. 1,580,087; Apr. 6.
Moorhead, Albert E., Oakland, Calif. Molding machine and method of molding. 1,579,561; Apr. 6.
Moreau, Henry L., Lake Mahopac, N. Y. Collapsible-tube closure. 1,580,069; Apr. 6.
Motor Industries, Inc. (See La Brie, Ludger E., assignor.)
Muehlberg, Ernest, Chicago, Ill. Preparation useful in the treatment of eczema. 1,579,562; Apr. 6.
Muller, Eli. (See Wieder, S., and Muller.)
Müller, Otto, Breslau, Germany, assignor to H. Hauser, Jagerndorf, Czechoslovakia. Gumming apparatus. 1,580,070; Apr. 6.
Multi-Counter Machine Company, The. (See Fuhrmann, Warren, assignor.)
Murphy, John J., Norwich, Conn., assignor, by mesne assignments, to Peerless Handcuff Company. Handcuff. 1,579,830; Apr. 6.
Murphy, Morton, Rushville, Ind. Electric sadiron. Re. 16,309; Apr. 6.
Murray, Howard J., Brooklyn, N. Y., and W. S. Rugg, Pittsburgh, Pa. Synchronizer. 1,579,728; Apr. 6.
Murray, Stanley G., Passaic, N. J. Weighing machine. 1,579,452; Apr. 6.
Murray, Thomas E., Brooklyn, N. Y. Reactance coil. 1,579,883; Apr. 6.
Murray, Thomas E., Brooklyn, N. Y. Forced-draft apparatus. 1,579,384; Apr. 6.
Myers, Philip, Glen View, assignor to The Toy Tinkers, Inc., Evanston, Ill. Wheeled toy. 1,579,884; Apr. 6.
Naamlooze Vennootschap Machina Maatschappij voor Handel en Industrie. (See Fischer, Oskar, assignor.)
Nachod, Joseph F., assignor to The Duraflex Company, Baltimore, Md. Plastic floor covering. 1,579,729; Apr. 6.
Nagley, William. (See Koch, H., Wohlers, and Nagley.)
Napier Co., The. (See Rettenmeyer, Frederick, assignor.)
Napier, D., & Son Limited. (See Wilkinson, G. S., and Napier, assignors.)
Napier, Montague S. (See Wilkinson, G. S., and Napier.)

Naramore, William W., assignor to The Bridgeport Coach Lace Company, Bridgeport, Conn. Weather strip for closed automobiles. 1,580,071; Apr. 6.
National Steel Barrel Company, The. (See Schriner, Charles F., assignor.)
National Supply Company, The. (See Archer, M. T., and Mahan, assignors.)
Neal, Elmer E., Langhorne, Pa., assignor to Peerless Handcuff Company, Springfield, Mass. Handcuff-lock construction. 1,579,333; Apr. 6.
Nebel, Karl, Philadelphia, Pa., assignor to Merrill Hosiery Company, Hornell, N. Y. Striping-finger construction for knitting machines. 1,580,072; Apr. 6.
Needre, John, Newport News, Va. Dry cleaner. 1,580,101; Apr. 6.
Neeley, George S., Wood River, assignor of one-half to G. Watkins, Alton, Ill. Preventing scaling and pitting of steam boilers. 1,579,453; Apr. 6.
Neeley, George S., Wood River, assignor of one-half to G. Watkins, Alton, Ill. Preventing scale and incrustation in steam boilers. 1,579,454; Apr. 6.
Nelson, Olaf A., San Francisco, Calif. Trouser holding and stretching device. 1,579,385; Apr. 6.
Nelson, Samuel A., River Falls, Wis. Fastening cloth to game tables and the like. 1,579,730; Apr. 6.
Neresheimer, Heinrich. (See Lüttringhaus, A., Neresheimer, and Emmer.)
New Jersey Zinc Company, The. (See Finkeldey, W. H. and Pierce, assignors.)
Newman, Claude F., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Dash control. 1,579,234; Apr. 6.
Newman, Morris M., et al. (See Ziperstein, Israel L., assignor.)
Newson, Clarence W., Salt Lake City, Utah. Aeroplane. 1,579,386; Apr. 6.
Newton-Clare, Herbert J., Gerrards Cross, England. Motive-power unit for driving lawn mowers and similar implements. 1,579,563; Apr. 6.
Nichols, Edward L. (See Nichols, Gideon L. and E. L.)
Nichols, Gideon L. and E. L., Bloomville, N. Y. Manure spreader. 1,579,831; Apr. 6.
Niedecken, Edward F., assignor to Hoffmann-Billings Mfg. Co., Milwaukee, Wis. Valve-actuating mechanism. 1,579,564; Apr. 6.
Nigro, Dominick, Camp Meade, Md. Match box. 1,579,235; Apr. 6.
Niles-Bement-Pond Company. (See Brooke, John P., assignor.)
Niles-Bement-Pond Company. (See Deale, Robert C., assignor.)
Niles-Bement-Pond Company. (See Fisher, C. A., and MacPherson, assignors.)
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Halvorsen, Birger F., assignor.)
Nothnagel, Walter O., McCook, Nebr. Grain hopper. 1,580,073; Apr. 6.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Oil Fields Specialties Company. (See Yungling, Paul, assignor.)
Oishi, Hanroku, Los Angeles, Calif. Swimming apparatus. 1,579,885; Apr. 6.
Old Colony Envelope Company. (See Juckett, Frank A., assignor.)
Olsson, Harold, Bath, England. Appliance for use in imparting instruction or in practicing swimming. 1,580,074; Apr. 6.
O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,579,236; Apr. 6.
O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,579,237; Apr. 6.
O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,579,731; Apr. 6.
Osbeck, Elmer C., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Door latch. 1,579,565; Apr. 6.
Osborne, Wesley M. (See Gregor, W. D., Osborne, and Kemzura.)
Osborne, William V., Racine, Wis. Luggage carrier. 1,579,238; Apr. 6.
Osgood Company, The. (See Barnhart, Harry J., assignor.)
Overland Metal Novelty Co. (See Konoff, Alexander, assignor.)
Owen, Brynar J., Oxford, England. Method and apparatus for drying crops artificially. 1,579,239; Apr. 6.
Owen, Brynar J., Oxford, England. Air-heating apparatus. 1,579,240; Apr. 6.
Owen, Frederick E., East Palestine, Ohio. Electric heating unit. 1,579,732; Apr. 6.
Owen, Richard B., Washington, D. C. Insulator for battery plates. 1,579,733; Apr. 6.
Owen, William L., New Orleans, La., dedicated, by mesne assignments, to the people of The United States. Preservation of sugar. 1,579,387; Apr. 6.
Oxner, Theodore J., Detroit, Mich. Chalk-line spool. 1,579,886; Apr. 6.
Pache, Auguste. (See Gouirand, R., and Pache.)
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper. 1,579,566; Apr. 6.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 69,847; Apr. 6.
Paine, Enoch E., assignor to The Paine & Williams Company, Cleveland, Ohio. Automobile running board. 1,580,075; Apr. 6.
Paine & Williams Company, The. (See Paine, Enoch E., assignor.)
Paisseau, Jean, Courbevoie, France. Machine for bead manufacture. 1,580,076; Apr. 6.
Palmer, George H., assignor to Dall Steel Products Company, Lansing, Mich. Metal wagon body. 1,579,388; Apr. 6.
Lansing, Mich. Metal wagon body. 1,579,388; Apr. 6.
Papashvili, George J., Detroit, Mich. Level indicator and fuel control. 1,579,241; Apr. 6.
Parker-Regan Mfg. Co. (See Winters, Donald, assignor.)
Parks-Cramer Company. (See Hodge-William B., assignor.)
Parks, Robert, McDonald, Pa. Paper-hanging device. 1,579,242; Apr. 6.
Pasko, Antonio. (See Polek, Stanley, assignor.)
Patche, Henry B., Kansas City, Mo., assignor to Genesy Electric Lantern Co., Rawlins, Wyo. Electric lantern. 1,579,832; Apr. 6.
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Salins, Georges A., assignor.)
Patterson, Edward G., Bismarck, N. Dak. Collar button. 1,579,948; Apr. 6.
Peace, Thomas J., Sedalia, Mo. Air heater. 1,579,389; Apr. 6.
Penden, William H., Grapevine, Tex., assignor of one-eighth to W. Y. Tennyson, Salina, Okla. Measuring and dispensing receptacle. 1,579,390; Apr. 6.
Pearson, Frank M., Chicago, Ill. Mailing tube. 1,579,243; Apr. 6.
Pearson, John O., Smackover, Ark. Oil-well pump. 1,579,734; Apr. 6.
Pearson, Thomas S., and J. H. Gentry, Kokomo, Ind., assignors, by mesne assignments to said Gentry and C. A. Porath. Automatic baling machine. 1,579,777; Apr. 6.
Peck, Washington P., Painesville, Ohio. Boiler compound. 1,579,949; Apr. 6.
Pedneau, Alfred A., Mobile, Ala. Locomotive slack adjuster. 1,579,244; Apr. 6.
Peerless Handcuff Company. (See Murphy, John J., assignor.)
Peerless Handcuff Company. (See Neal, Elmer E., assignor.)
Peirce, Willis M. (See Finkeldey, W. H., and Peirce.)
Pell, R. C., jr. (See Arms, Leland J., assignor.)
Pennington, Gordon R., Cleveland, Ohio. Spring suspension for track-laying tractors. 1,579,245; Apr. 6.
People of the United States, The. (See Owen, William L.)
Pepperell Manufacturing Company. (See McIntire, Allyn B., assignor.)
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Roller guide for flap cutting and building machines. 1,579,657; Apr. 6.
Peters, Henry C., North Middletown, Ky. Wheel. 1,579,950; Apr. 6.
Petterson, Arthur R. (See Johnson, Carl A., assignor.)
Phares, John W., et al. (See MacNeill, Paul H., assignor.)
Phillips, Benjamin C., (See Cooke, A. G., and Phillips.)
Phillips, Rupert A. (See Cooke, A. G., and Phillips.)
Phinney, Mary R., Indianapolis, Ind. Tripod for holding jelly bags. 1,579,833; Apr. 6.
Phonoharp Company, The. (See Richter, Paul F., assignor.)
Piccirilli, Pasquale J., New York, N. Y. Strainer. 1,579,485; Apr. 6.
Pierce, James H., Bay City, Mich. Marine propulsion device. 1,579,834; Apr. 6.
Pilkington Brothers Limited. (See Le Mare, Ernest B., assignor.)
Pilling, Henry, Charlton-cum-Hardy, England. Operation of valves by fluid pressure. 1,580,077; Apr. 6.
Pineau, Auguste, Chicago, Ill. Windshield wiper. 1,579,778; Apr. 6.
Pittsburgh Plate Glass Company. (See Showers, Lee, assignor.)
Platt, Hugo F., San Francisco, Calif. Method and device for repairing tires. 1,579,391; Apr. 6.
Pletcher, Eugene, M., Philadelphia, Pa. Inhaler. 1,579,486; Apr. 6.
Pneumercator Company. (See Thomas, William, assignor.)
Polek, Stanley, assignor of one-fifth to A. Pasko, Farmington, W. Va. Automatic gas cut-off. 1,579,951; Apr. 6.
Polinsky, Samuel, Long Island City, assignor to Defiance Button Machine Co., New York, N. Y. Eyelet-setting machine. 1,579,487; Apr. 6.
Pollack, Daniel. (See Kasdan, N., and Pollack.)
Poncet, Gustave, Chicago, Ill. Micrometric plug gauge. 1,579,334; Apr. 6.
Porath, Carl A. (See Pearson, T. S., and Gentry, assignors.)
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,579,835; Apr. 6.

Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,579,836; Apr. 6.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,579,837; Apr. 6.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,579,838; Apr. 6.
Pratt & Whitney Company. (See Durkee, Henry E., assignor.)
Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
Pratt, Edward J., assignor to Western Electric Company, Incorporated, New York, N. Y. Relay. 1,579,887; Apr. 6.
Prentice, George E., Berlin, Conn. Interlocking fastener. 1,580,078; Apr. 6.
Pridham, Edwin S., and P. L. Jensen, assignors to The Magnavox Company, Oakland, Calif. Electrodynamic receiver. 1,579,392; Apr. 6.
Producers and Refiners Corporation. (See Kauffman, Harold L., assignor.)
Pugh, John D., Mount Washington, Md. Car-weighing scale. 1,579,658; Apr. 6.
Pullman Company, The. (See Smith, William C., assignor.)
Purviance, Lula M. (See Bullinger, Frederic H., assignor.)
Putnam, William H. (See Stone, C. M., and Spencer, assignors.)
Rae-Lite Manufacturing Co. (See Beyer, Herbert G., assignor.)
Ragg, William G. (See Glidden, W. T., and Ragg.)
Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
Ramig, Adolph R., Chicago, Ill., and G. H. Ramig, Terre Haute, Ind. Can opener. 1,579,488; Apr. 6.
Ramig, George H. (See Ramig, Adolph R. and G. H.)
Randall Control and Hydrometric Corporation. (See Cavanah, Howard E., assignor.)
Rankin, William A., Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc. Curling iron. 1,579,952; Apr. 6.
Raper, Joseph C., Covington, Ky. Slat for metallic rolling shutters. 1,579,839; Apr. 6.
Rapuzzi, George T. (See Itjen, M., and Rapuzzi.)
Rasch, Ludvik, assignor to A/S. Fjeldbor, Oslo, Norway. Rotating hammer. 1,579,840; Apr. 6.
Rasmussen, Edna T., Los Angeles, Calif. Vanity cane. 1,579,622; Apr. 6.
Raszl, Ricardo A., Detroit, Mich. Cutting tool. 1,579,888; Apr. 6.
Rau, Frederick, Lakeside Town, Colo. Handle for pots and kettles. 1,579,489; Apr. 6.
Rawson, Delia B. (See Fry, B. G., and Rawson.)
Ray, George I. (See Meinhardt, T. F., and Ray.)
Ray, Gilbert G. (See Meinhardt, T. F., and Ray.)
Raymond, Guy M. (See Raymond, William L., assignor.)
Raymond, William L., assignor of one-half to G. M. Raymond, Portland, Oreg. Trap. 1,579,841; Apr. 6.
Read, Charles G., Buffalo, N. Y. Knockdown bed. 1,579,659; Apr. 6.
Reddaway, Frank, Manchester, England. Billiard-table cloth. 1,579,889; Apr. 6.
Redmond, Michael, Cleveland, Ohio. Machine for truing engine crank pins or shaft end bearings. 1,579,246; Apr. 6.
Reflector & Illuminating Co. (See Herron, James C., assignor.)
Rehberg, Rudolph A. (See Trick, Edgar H., assignor.)
Reilly, James F., assignor of one-half to J. A. Forney, Tucson, Ariz. Combined jig and aspirator. 1,579,660; Apr. 6.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Safety mechanism. 1,579,455; Apr. 6.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Renault, Louis. (See Salves, Léon, assignor.)
Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. X-ray target. 1,579,779; Apr. 6.
Research Corporation. (See Wintermute, Harry A., assignor.)
Rettenmeyer, Frederick, assignor to The Napier Co., Meriden, Conn. Vanity box. 1,579,842; Apr. 6.
Reuter, Luke, Thiensville, Wis. Timer. 1,580,102; Apr. 6.
Reynolds, William, Marysville, Calif. Condenser for radiators. 1,579,393; Apr. 6.
Richardson, Charles M., Indianapolis, Ind. Binder. 1,579,661; Apr. 6.
Richter, Paul F., assignor to The Phonoharp Company, Boston, Mass. Stringed musical instrument. 1,579,780; Apr. 6.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Variable-capacity compressor. 1,579,781; Apr. 6.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Regulator for variable-capacity compressors. 1,579,782; Apr. 6.
Rinehart, Marcus H. (See Shutt, F. E., and Rinehart.)
Robinson, Lula H., Dallas, Tex. Adjustable shade, curtain, and drapery hanger. 1,579,394; Apr. 6.
Roble, Pedro, assignor of one-fourth to J. Montoya, New York, N. Y. Film-handling mechanism for motion-picture-projecting machines. 1,579,953; Apr. 6.
Rogach, Joseph J., Brooklyn, N. Y. Safety automobile brake. 1,580,079; Apr. 6.
Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Spring-coiling machine. 1,579,247; Apr. 6.
Rohm, George A., and W. P. Marek, Baltimore, Md. Pedal lock for motor vehicles. 1,579,395; Apr. 6.
Roirant, Emile, assignor to Société Anonyme d'Etudes et de Constructions d'Appareils Mecaniques pour la Verrerie, Paris, France. Automatic machine for manufacturing blown-glass articles. 1,579,396; Apr. 6.
Root, William R., Terre Haute, Ind. Bottle. Des. 69,848; Apr. 6.
Ropp, Eugène, Besancon, France. Pipe. 1,579,735; Apr. 6.
Rose, Charles B. (See Hallenbeck, George E., assignor.)
Rosenblum, Samuel, New York, N. Y. Braid. Des. 69,849; Apr. 6.
Ross, James G. (See Martus, M. L., Becker, and Ross.)
Ross, James G. (See Martus, M. L., Ross, and Becker.)
Ross, Victor, Bothell, Wash. Trimming device. 1,579,783; Apr. 6.
Rothschild, Leon, and J. M. Liptay, assignors to Hospital Import Corporation, New York, N. Y. Combination bedside cabinet and table. 1,579,784; Apr. 6.
Rouleau, Wilfred J., Quincy, Mass. Flush valve. 1,579,785; Apr. 6.
Routson, Howard W., Oakland, Calif., assignor, by mesne assignments, to Minimax Utilities Corporation. Washing machine. 1,579,397; Apr. 6.
Roy, Gustave J., Lyon, assignor to Societe Chimique des Usines du Rhone, Paris, France. Manufacture of acetic anhydride and aldehyde. 1,579,248; Apr. 6.
Ruddick, John J., West Newton, Mass., assignor to General Street Signal Corporation, Rochester, N. Y. Electrical time switch. 1,579,662; Apr. 6.
Rudqvist, Carl A., Staket, Sweden. Centralized operating mechanism for internal-combustion motors. 1,579,398; Apr. 6.
Rugg, Walter S. (See Murray, H. J., and Rugg.)
Russell, Harry. (See Bennett, M. R., and Russell.)
Russell, Henry M., Wheeling, W. Va. Changing-picture. 1,579,249; Apr. 6.
Russell, Robert B., Manchester, and H. Broomfield, Stockport, England. Manufacture of felt and like materials. 1,579,890; Apr. 6.
Ryan, Jerry R., St. Paul, assignor, by mesne assignments, to Ke Haw Ke Manufacturing Company, Minneapolis, Minn. Tube-vulcanizing device. 1,579,490; Apr. 6.
Ryback, Antoni and S. R., Depew, N. Y. Window shade and curtain support. 1,579,491; Apr. 6.
Ryback, Stanley. (See Ryback, Antoni and S.)
Ryberg, Anders E., Snaroen, near Christiania, Norway. Cutting up continuous paper webs into single sheets. 1,579,786; Apr. 6.
Salves, Léon, assignor to L. Renault, Billancourt, France. Gas producer for self-propelled vehicles. 1,579,335; Apr. 6.
Salins, Georges A., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Machine for treating cinematographic films. 1,579,399; Apr. 6.
Samstag & Hilder Bros., Inc. (See Samstag, Louis A., assignor.)
Samstag, Louis A., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Hand bag. Des. 69,850; Apr. 6.
Samuels, Maurice M., New York, N. Y., assignor to R. V. Dunbar, Boundbrook, N. J. Terminal block. 1,579,400; Apr. 6.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Fingering device for stringed instruments. 1,579,790; Apr. 6.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Tremolo device for self-playing stringed instruments. 1,579,791; Apr. 6.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Self-playing stringed instrument. 1,579,792; Apr. 6.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Piano-playing-device expression control. 1,579,793; Apr. 6.
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Piano-playing-device damper control. 1,579,794; Apr. 6.
Sanders, Rudolph M., assignor to E. R. Tolfree, New York, N. Y. Remote control for radio sets. 1,580,088; Apr. 6.
Sandoz, Charles, Milan, Italy. Expansion vessel for use in rotary pumps for viscous liquids. 1,579,891; Apr. 6.
Sarpy, George, et al. (See Dominguez, Manuel D., assignor.)
Sauton, George H., assignor of one twenty-fourth to C. F. A. Heitkamp, one twenty-fourth to S. A. G. Heitkamp, and one twenty-fourth to O. R. L. Heitkamp, New Orleans, La. Gas-meter-protecting means. 1,579,954; Apr. 6.
Schara, Frank, assignor, by mesne assignments, to Schara Manufacturing Corporation, Kansas City, Mo. Permutation lock. 1,579,250; Apr. 6.

Schara Manufacturing Corporation. (See Schara, Frank, assignor.)
Schat, Ane P., The Hague, Netherlands. Davit. 1,579,456; Apr. 6.
Schermerhorn, John L., Newark, and F. Goertz, Hilton, assignors to American Transformer Company, Newark, N. J. Transformer. 1,579,955; Apr. 6.
Schlage, Walter R., San Francisco, Calif. Doorlock. 1,579,457; Apr. 6.
Schlatterer, Fred, New York, N. Y. Tenon-milling machine. 1,579,663; Apr. 6.
Schlesinger, Louis, assignor to Bradley Washfountain Co., Milwaukee, Wis. Mixing valve. 1,579,492; Apr. 6.
Schley, Frederick L., Brooklyn, assignor to F. Strauss, New York, N. Y. Mechanical toy. 1,579,787; Apr. 6.
Schlumpf, Jacques, Ober-Winterthur, Switzerland. Device for automatically advancing and rotating the yarn rollers of yarn-dyeing machines. 1,579,956; Apr. 6.
Schmidt, Henry D., Lake Alfred, assignor of one-fourth to W. F. Hutchinson and one-fourth to R. O. Carn, jr., Winter Haven, Fla. Composition of matter for use in treating matches. 1,579,401; Apr. 6.
Schneider, Christian, Neurossen, near Merseburg, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Treating tar water. 1,579,957; Apr. 6.
Schoenfeld, Joseph, Alameda, assignor to The Magnavox Co., San Francisco, Calif. Electric heater. 1,579,402; Apr. 6.
Schossow, Frederick A., Detroit, Mich. Regulating valve. 1,579,251; Apr. 6.
Schrader, William C. M., New Rochelle, N. Y. Carburetor body and attachment therefor. 1,579,403; Apr. 6.
Schranz, Wilhelm. (See Kropp, W., Schranz, and Schulemann.)
Schriner, Charles F., Cleveland, Ohio, assignor to The National Steel Barrel Company. Faucet. 1,579,567; Apr. 6.
Schulemann, Werner. (See Kropp, W., Schranz, and Schulemann.)
Schwartz, Jacob C., St. Louis, Mo. Toothbrush sterilizer. 1,579,958; Apr. 6.
Schwerin, Frank H., Bellevue Borough, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Self-lowering screwjack. 1,579,788; Apr. 6.
Scott, Harold R. (See Strachan, D. A., and Scott.)
Scott, Philip L., Syracuse, N. Y., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Relief mechanism for fuel pumps. 1,579,458; Apr. 6.
Scott, Philip L., Chicago, Ill., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Separate combustion chamber for double-piston engines. 1,579,664; Apr. 6.
Sears, Bernard G., Guerneville, Calif. Reamer wrench. 1,579,795; Apr. 6.
Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)
Sec, Joseph. (See Lecjaky, Josef, assignor.)
Security Stove and Mfg. Co., The. (See Blakesley, G. W., and Hempy, assignors.)
Selberling Rubber Company. (See Keith, Walter P., assignor.)
Seitz, William C., Palmer, N. Y. Fountain paintbrush. 1,579,568; Apr. 6.
Selvig, John N. (See Kochendorfer, F. S., and Selvig.)
Senseman, William B., Los Angeles, Calif. Dust collector. Re16,315; Apr. 6.
Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Fluid-pressure motor. 1,579,404; Apr. 6.
Shaffer, Clarence D., assignor to Textile Leather & Metal Preserver Co. Inc., Kalamazoo, Mich. Waterproofing compound and manufacturing the same. 1,579,493; Apr. 6.
Shaw, Alva A., Ruston, La. Beverage-dispensing and advertising means. 1,579,959; Apr. 6.
Shaw, Dexter N., Philadelphia, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and products obtained thereby. 1,580,089; Apr. 6.
Shaw, Lorne, Walkerville, Ontario, Canada. Combined salt and pepper shaker. 1,579,892; Apr. 6.
Sherman, Eaton G., Los Angeles, Calif. Knock-down shoe rack. 1,579,960; Apr. 6.
Sherman, Lawrence F. (See Allen, Jay K., assignor.)
Sherrick, Arthur D., Spokane, Wash. Dishwasher. 1,579,569; Apr. 6.
Sherry, Sol C., West Englewood, N. J. Mail box. 1,579,665; Apr. 6.
Shiels, Thomas, Invercargill, New Zealand. Cleansing means for milking-machine teat cups. 1,579,796; Apr. 6.
Shingle Lock Company, The. (See Kridler, B. C., and Boyle, assignors.)
Shipley, Thomas, York, Pa. Apparatus for purging refrigerating systems. 1,579,405; Apr. 6.
Shoemaker, Daniel A., Wichita, Kans. Grain shocker. 1,579,252; Apr. 6.
Shoenberg, Milton H., assignor, by mesne assignments, to Majestic Electric Appliance Company, Inc., San Francisco, Calif. Electric heater. 1,580,090; Apr. 6.
Shope, David F., Portland, Oreg. Brush for brick making. 1,579,961; Apr. 6.
Shore, Albert F., New York, N. Y. Spring suspension system. Re16,310; Apr. 6.

Showers, Lee, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,579,666; Apr. 6.
Shutt, Fred E., and M. H. Rinehart, Mount Liberty, Ohio. Wrecking crane. 1,579,962; Apr. 6.
Sides, Albert R., Potter Valley, Calif. Well-drilling machine. 1,579,667; Apr. 6.
Sidway-Topliff Company. (See Hawkinson, Axel W., assignor.)
Silbermann, Hans, Metgethen, near Konigsberg, assignor to C. Conradty, Nuremberg, Germany. Collector for electric cars. 1,579,336; Apr. 6.
Simon, Isadore, Philadelphia, Pa. Radiator core. 1,579,963; Apr. 6.
Simons, Donald M., Osborne, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable structure. 1,579,494; Apr. 6.
Simpson, Earl L., assignor to said Simpson and J. P. Funk, trustees, Baltimore, Md. Tone modifier or sharpener for drums. 1,579,893; Apr. 6.
Sincock, John F. (See Smith, G. A., and Sincock.)
Singer, Emanuel, assignor to Western Electric Company, Incorporated, New York, N. Y. Reception of signals. 1,579,253; Apr. 6.
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Skene, Alexander, Hoople, N. Dak. Quack-grass destroyer. 1,579,406; Apr. 6.
Skinner Bros. Mfg. Co. (See Baetz, Henry, assignor.)
Smith, Albert W., Bridgeport, Conn. Self-closing sister hook. 1,579,843; Apr. 6.
Smith, Armand, Portland, Oreg. Pipe. 1,579,254; Apr. 6.
Smith, Frederick D., Philadelphia, Pa. Feeding device for chocolate-molding machines. 1,579,407; Apr. 6.
Smith, George A., and J. F. Sincock, Sedgwick, Colo. Detachable cultivating tool. 1,579,408; Apr. 6.
Smith & Mills Company, The. (See Struewing, William J., assignor.)
Smith, Raymond D., Searsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Automatic switch. 1,579,255; Apr. 6.
Smith, Richard H., Washington, D. C. Safety razor. 1,579,844; Apr. 6.
Smith, Thomas C., Seattle, Wash. Engine piston and method of packing and lubricating the same. 1,579,409; Apr. 6.
Smith, William C., assignor to The Pullman Company, Chicago, Ill. Screen fastening for car windows. 1,579,410; Apr. 6.
Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave communicating and switching system. 1,579,256; Apr. 6.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Explosive. 1,579,964; Apr. 6.
Snider, John F., Weston, Oreg. Weeding machine. 1,579,845; Apr. 6.
Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,579,894; Apr. 6.
Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,579,895; Apr. 6.
Société Anonyme des Produits a Flénu. (See Andre, Paul F. A. C., assignor.)
Société Anonyme d'Etudes et de Constructions d'Appareils Mecaniques pour la Verrerie. (See Poirant, Emile, assignor.)
Société: Baille-Lemaire-et-Fils. (See Baille, Jean L., assignor.)
Societe Chimique Des Usines Du Rhone. (See Roy, Gustave J., assignor.)
Society Chemical Works, formerly Sandoz. (See Suter, Emil, assignor.)
Sohn, Archie C., assignor to D. O. Cunningham Glass Company, Pittsburgh, Pa. Bottle. Des. 69,851; Apr. 6.
Sonneck, Pierre F., Woodhaven, N. Y. Testing the compression of engine cylinders. 1,579,789; Apr. 6.
Sorensen, Charles W. N., Hamilton, New Zealand. Vehicle and like spring. 1,579,797; Apr. 6.
Sorgan, Robert, Jersey City, N. J. Closure for bottles, jars, and similar receptacles. 1,579,411; Apr. 6.
Spangle, William E., Fairoaks, Calif. Floor-board-holding means. 1,579,570; Apr. 6.
Spelrein, Max, Brooklyn, N. Y. Suitcase. 1,579,668; Apr. 6.
Spencer, William H. (See Stone, C. M., and Spencer.)
Sperry, Elmer A., Brooklyn, N. Y. Wireless repeater system. 1,579,669; Apr. 6.
Sperry Gyroscope Company, The. (See Sperry, Lawrence B., assignor.)
Sperry, Lawrence B., Farmingdale, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Determining range. 1,579,670; Apr. 6.
Spreckels, Claus. (See Tully, Richard W., assignor.)
Staats-Oels, Rudolph C. G., Brooklyn, N. Y. Searchlight attachment for rifles. 1,579,671; Apr. 6.
Stanard, Frank H. and M. L., Kansas City, Mo. Oil-burning apparatus. 1,580,091; Apr. 6.
Stanard, Maurice L. (See Stanard, Frank H. and M. L.)
Standard Car Truck Company. (See Webb, Edwin W., assignor.)

Standard Oil Company. (See Halloran, R. A., Davis, and Davidson, assignors.)
Standard Oil Company. (See Wiles, Russell, assignor.)
Standard Underground Cable Company. (See Simons, Donald M., assignor.)
Star Company. (See Tebbs, C. E., and Helfrich, assignors.)
Stark, Oskar. (See Becker, A., and Stark.)
Stehli Silks Corporation. (See Falls, Charles B., assignor.)
Stehli Silks Corporation. (See Knight, Katharine S., assignor.)
Stell, Alfred and J., and H. Welch, assignors to Hall and Stells Limited, Keighley, England. Doffing mechanism for cap spinning, doubling, twisting, and like machines. 1,579,257; Apr. 6.
Stell, John. (See Stell, Alfred and J., and Welch.)
Stenberg, Charles R., Genoa, Nebr. Support for head sets. 1,579,412; Apr. 6.
Steps, Robert A., Los Angeles, Calif. Method of making screen pipe. 1,579,846; Apr. 6.
Stewart, Franklin W., Chicago, Ill. Windshield cleaner. 1,579,571; Apr. 6.
Stilliwell, Howard A., Woodbury, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Drilling apparatus for shells. 1,579,896; Apr. 6.
Stoble, James C., Henley Beach, South Australia, assignor of one-third to F. W. H. Wheadon, Adelaide, Australia. Pole for carrying electric cables, telegraph and telephone wires, and other purposes. 1,579,965; Apr. 6.
Stock & Co. (See Lumbeck, Emil, assignor.)
Stockstrom, Louis, assignor to American Stove Company, St. Louis, Mo. Hydrocarbon-burner cap. Des. 69,852; Apr. 6.
Stojak, Michael, Brooklyn, N. Y. Picture frame. Des. 69,853; Apr. 6.
Stojak, Michael, Brooklyn, N. Y. Picture frame. Des. 69,854; Apr. 6.
Stone, Charles M., and W. H. Spencer, assignors of one-third to W. H. Putnam, Lewiston, Me. Shuttle. 1,579,572; Apr. 6.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,579,736; Apr. 6.
Stone & Webster, Inc. (See Mitchell, Alexander I., assignor.)
Strachan, David A., and H. R. Scott, Vancouver, British Columbia, Canada. Cheese cutter. 1,579,966; Apr. 6.
Strauss, Ferdinand. (See Schley, Frederick L., assignor.)
Strecker, Fred M., Akron, Ohio. Closure. 1,579,672; Apr. 6.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, Ray H., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strommer, Luther T., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Loading kiln car. 1,579,258; Apr. 6.
Stroud, Lillian E. A., Philadelphia, Pa. Scraper. 1,579,495; Apr. 6.
Struewing, William J., assignor to The Smith & Mills Company, Cincinnati, Ohio. Shaper. 1,579,847; Apr. 6.
Stuckey, Samuel, Niagara Falls, Ontario, Canada. Photo easel. 1,579,573; Apr. 6.
Stuthridge, James H. (See Lax, James, assignor.)
Stuver, Henry W., Denver, Colo. Piston ring. 1,580,092; Apr. 6.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Method of and apparatus for compressing elastic fluid. 1,579,259; Apr. 6.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 69,855; Apr. 6.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 69,856; Apr. 6.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 69,857; Apr. 6.
Sullivan Machinery Company. (See Folmar, Cecil P., assignor.)
Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
Sullivan Machinery Company. (See Hunter, David H., assignor.)
Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superheater Company, The. (See Günther, Otto, assignor.)
Suter, Emil, assignor to The Society Chemical Works formerly Sandoz, Basel, Switzerland. Heart-affecting pure glucoside from bulbus scillæ and producing the same. 1,579,338; Apr. 6.
Sweet, Henry W., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Internal-bearing-adjusting means. 1,579,737; Apr. 6.
Sweetser, George T., New York, N. Y. Collar. 1,579,339; Apr. 6.
Sweney, Edward B., Red Wing, Minn. Flexible shaft coupling. 1,579,967; Apr. 6.
Swift, George W., jr., assignor to George W. Swift Jr. Inc., Bordentown, N. J. Creasing machine. 1,579,738; Apr. 6.
Swift, George W., Jr., Inc. (See Swift, George W., jr., assignor.)
Swisher, John E., Huntington, W. Va. Valve-reseating device. 1,579,739; Apr. 6.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symmes, Whitman, assignor to Thomas Day Company, San Francisco, Calif. Electric-lighting fixture. 1,579,897; Apr. 6.
T. E. Specialty Company. (See Fisk, Sebring C., assignor.)
Taylor, Richardson H., Meeker, Colo. Amalgam-filling contourer. 1,579,968; Apr. 6.
Taylor, Watson, Jr., Cincinnati, Ohio. Folding ladder. 1,579,574; Apr. 6.
Tebbs, Charles E., New York, N. Y., and J. Helfrich, Westfield, N. J., assignors to Star Company, New York, N. Y. Photographically-sensitive resist compound. 1,579,898; Apr. 6.
Technicolor Motion Picture Corporation. (See Ball, J. A., and Comstock, assignors.)
Technicolor Motion Picture Corporation. (See Ball, J. A., and Gallison, assignors.)
Teel, Od, Echo, Oreg. Wrist pin. 1,579,969; Apr. 6.
Tench, Frederick, White Plains, and M. Lachman, New York, N. Y. Metal car body. 1,579,673; Apr. 6.
Tennyson, W. Y. (See Peaden, William H., assignor.)
Teresa, Antonio, Habana, Cuba. Tire. 1,579,674; Apr. 6.
Textile Leather & Metal Preserver Co. (See Shaffer, Clarence D., assignor.)
Tharaldsen, Filip, Oslo, Norway. Operation in metallurgical and like processes. 1,579,340; Apr. 6.
Tharaldsen, Filip, Bestun, near Christiania, Norway. Device for charging metallurgical and like furnaces. 1,579,970; Apr. 6.
Tharp, Clark A., Leavenworth, Kans. Book. 1,579,575; Apr. 6.
Theobald, Henry, assignor to Toledo Scale Company, Toledo, Ohio. Indicating device. 1,579,576; Apr. 6.
Thésée, Victor J. M., Brest, France. Sterilizing substance for toothbrushes and similar articles. 1,579,413; Apr. 6.
Thoma, Meinrad F., Ghent, Belgium. Drawing mechanism. 1,579,414; Apr. 6.
Thomas Day Company. (See Symmes, Whitman, assignor.)
Thomas, Doctor C., Aberdeen, N. C. Dumping-truck body. 1,579,675; Apr. 6.
Thomas, Hubert S., Llandaff, and W. R. Davies, Whitchurch, England. Apparatus for manufacturing tin and other plates or sheets. 1,579,971; Apr. 6.
Thomas, William, West New York, N. J., assignor to Pneumercator Company, New York, N. Y. Fluid-pressure recorder. 1,579,415; Apr. 6.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Sterilizing packaged goods. 1,579,676; Apr. 6.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Razor. 1,579,577; Apr. 6.
Thompson, Roy S., Bay Village, Ohio. Greenhouse-bar painter. 1,579,578; Apr. 6.
Thompson, William D., Toogoolawah, Queensland, Australia. Chain tightener. 1,579,579; Apr. 6.
Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,579,899; Apr. 6.
Thoresen, Einar, Cleveland, Ohio. Lead-sharpening device. 1,579,972; Apr. 6.
Thorling, Frederick J., Ilford, England, assignor of one-half to The B. and B. Machine Company Limited, London, England. Machine suitable for bread cutting and buttering. 1,579,740; Apr. 6.
Thrasher, Milton A. (See Atkinson, J. T., and Thrasher.)
Thrift Fuel Saver Corporation. (See Ives, Harry A., assignor.)
Tillotson, Herman Z., Washington, D. C. Supporter. 1,579,416; Apr. 6.
Tiller, David M., assignor to S. H. Hale, Kansas City, Mo. Cable-measuring device. 1,579,260; Apr. 6.
Tin Decorating Company of Baltimore, The. (See Connor, Martha H. assignor.)
Tinsman Franklin, Phillipsburg, N. J. Box insert. 1,579,417; Apr. 6.
Tobin, Floyd E., assignor to Toledo Scale Company, Toledo, Ohio. Registering device. 1,579,580; Apr. 6.
Todd, George B., Norfolk, Va. Fertilizer distributor. 1,579,581; Apr. 6.
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Theobald, Henry, assignor.)
Toledo Scale Company. (See Tobin, Floyd E., assignor.)
Tolfree, Edward R. (See Sanders, Rudolph M., assignor.)
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Pipe hanger. 1,579,418; Apr. 6.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Pipe hanger. 1,579,419; Apr. 6.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Door mechanism. 1,579,677; Apr. 6.
Toy Tinkers, Inc., The. (See Myers, Philip, assignor.)
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Trick, Edgar H., assignor of one-half to R. A. Rehberg, San Antonio, Tex. Boll-weevil catcher. 1,579,973; Apr. 6.

Trimbath, Samuel, assignor to The Willys-Morrow Company, Elmira, N. Y. Testing machine for gear cutters. 1,579,900; Apr. 6.
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Troy Laundry Machinery Company. (See Balzer, Fritz, assignor.)
Tully, Richard W., Sierra Madre, assignor to C. Spreckels, San Diego, Calif. Apparatus for producing stereoscopic moving pictures. 1,579,974; Apr. 6.
Tunison, Arthur C., Los Angeles, assignor to Baker Casing Shoe Company, Coalinga, Calif. Long-stroke lift for pumping wells. 1,579,975; Apr. 6.
Union Special Machine Company. (See Long, W. B., and Hanson, assignors.)
United States Hat Machinery Corporation. (See Lorenz, William A., assignor.)
United States Hoffman Machinery Corporation. (See Johnson, James H., assignor.)
Unruh, Henry B., Great Bend, Kans. Track rail. 1,579,976; Apr. 6.
Upton, Henry J., West Medford, assignor to Chilton Pen Company, Boston, Mass. Fountain pen. 1,580,093; Apr. 6.
Vail, Henry A., Chicago, Ill. Antifriction bearing. 1,579,798; Apr. 6.
Van Alstyne, John W., Vancouver, Wash. Digester. 1,579,261; Apr. 6.
Van Keulen, Otto. (See Hackstroh, P. A. M., and van Keulen.)
Varoutsos, George J., Lowell, Mass. Vehicle signal. 1,579,977; Apr. 6.
Veno, James J., Greenfield, Mass. Double window and screen construction. 1,79,848; Apr. 6.
Verburg, John, Jamaica Junction, N. Y. Automatic scale for copying cameras. 1,579,741; Apr. 6.
Vester, Alfred, Sons, Inc. (See Whittle, Charles de Q., assignor.)
Vickery, James C., Evansville, Ind., and M. H. Davis, Fort Bragg, N. C. Drying smokeless powders. 1,579,262; Apr. 6.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Canopy for lighting fixtures. Des. 69,858; Apr. 6.
Vincia, James H., Marinette, Wis. Desk stand or stationery holder. 1,579,978; Apr. 6.
Vogt, Erich, and L. Kirchhof, Bergisch-Gladbach, Germany. Furnace fired with coal dust and like pulverulent fuel. 1,580,080; Apr. 6.
Voltz, Albert G., Tulsa, Okla. Vise. 1,579,582; Apr. 6.
Von Frommer, Rudolf, Budapest, Hungary. Automatic firearm. 1,579,742; Apr. 6.
Von Hammerstein, William F., Los Angeles, Calif. Safety razor. 1,579,459; Apr. 6.
Wade, Russell R., Venice, Calif. Portable reading desk. 1,579,678; Apr. 6.
Wade, William, Chicago, Ill. Creasing and hemming machine. 1,579,496; Apr. 6.
Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
Waggoner, Oron J. (See Dempsey, W. H., and Waggoner.)
Wagner, Edward R., Milwaukee, assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis. Fork head. 1,579,979; Apr. 6.
Wagner, E. R., Manufacturing Company. (See Wagner, Edward R., assignor.)
Wahrt, William, Brooklyn, N. Y. Massage device. 1,579,679; Apr. 6.
Waldemar, Edward G., Hollister, Calif. Tool. 1,579,680; Apr. 6.
Walker Signal & Equipment Corporation. (See Walker, William L., assignor.)
Walker, William L., assignor to Walker Signal & Equipment Corporation, New York, N. Y. Diaphragm for the reception and conversion of sound waves. 1,579,460; Apr. 6.
Wallace, R., & Sons Mfg. Co. (See Wilkes, Samuel G., assignor.)
Wallen, Oliver F., Anaconda, Mont. Screen for automobiles. 1,579,583; Apr. 6.
Walters, Le Roy A., Miami, Fla. Glass cutter. 1,579,980; Apr. 6.
Warlow, John H., jr., Rotherham, England. Casting steel or other ingots or castings. 1,579,743; Apr. 6.
Warren, Roy L. (See Christman, W. E., and Warren.)
Watkins, Grimn. (See Neeley, George S., assignor.)
Watson, Harvey F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Electrical transmission of pictures. 1,579,263; Apr. 6.
Waverly Oil Works Company. (See Babb, Joseph E., assignor.)
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Car truck. 1,580,103; Apr. 6.
Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
Weiskittel, A., & Son Co. (See Weiskittel, Harry C., assignor.)
Weiskittel, Harry C., assignor to A. Weiskittel & Son Co., Baltimore, Md. Bath tub. 1,579,981; Apr. 6.
Weiss, Albert F. (See Bryant, C. R., and Weiss.)
Welch, Charles A., Columbus, Nebr. Mattress carrier. 1,579,429; Apr. 6.
Welch, Henry. (See Stell, Alfred and J., and Welch.)
Welch, John B., New Orleans, La., and W. C. Welch, Newton, Mass. Finishing leather. 1,579,264; Apr. 6.
Welch, William C. (See Welch, John B. and W. C.)
Welker-Hoops Manufacturing Company, The. (See Welker, Oscar B., assignor.)
Welker, Oscar B., assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn. Closure for tanks. 1,579,421; Apr. 6.
Weller, John, Great Bookham, England. Transmitting motion. 1,579,681; Apr. 6.
Wellman, Harvey P., San Francisco, assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Casing for holding goods containers undergoing treatment. 1,579,584; Apr. 6.
Wells, Albert R., Slinfold Manor, England. Paving block. 1,579,982; Apr. 6.
Welsh, Thomas E., Woodbridge, Conn. Noiseless stops for doors. 1,579,265; Apr. 6.
Wempe, Hermen H., Sabetha, Kans. Sythe. 1,579,422; Apr. 6.
Wendel, Frans B., Cranford, assignor to Hercules Novelty Mfg. Co., Inc., Newark, N. J. Necklace clasp. 1,579,983; Apr. 6.
Werner, William, Mexia, Tex. Standing-valve-releasing means. 1,579,423; Apr. 6.
Werst, Charles W., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Wrist-pin balance block. 1,579,984; Apr. 6.
Werum, George W., Marshalltown, Iowa. Abstract title and forming the same. 1,579,682; Apr. 6.
Western Electric Company. (See Adams, William J., assignor.)
Western Electric Company. (See Banta, Henry W., assignor.)
Western Electric Company. (See Boe, Helmer J., assignor.)
Western Electric Company. (See Clausen, Henry P., assignor.)
Western Electric Company. (See Cummings, George C., assignor.)
Western Electric Company. (See Dupy, Olin L., assignor.)
Western Electric Company. (See Emery, Charles B., assignor.)
Western Electric Company. (See Ford, Ben K., assignor.)
Western Electric Company. (See Gabriel, John C., assignor.)
Western Electric Company. (See Garvin, John S., assignor.)
Western Electric Company. (See Goddard, Frederick M., assignor.)
Western Electric Company. (See Haase, Carl O., assignor.)
Western Electric Company. (See Haddock, Arthur, assignor.)
Western Electric Company. (See Hartley, R. V. L., and Mathes, assignors.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Hysko, John L., assignor.)
Western Electric Company. (See Jammer, J. S., and Anderson, assignors.)
Western Electric Company. (See Janicki, John, assignor.)
Western Electric Company. (See Jones, Howard F., assignor.)
Western Electric Company. (See Knoop, William A., assignor.)
Western Electric Company. (See Kochendorfer, F. S., and Selvig, assignors.)
Western Electric Company. (See Mathes, Robert C., assignor.)
Western Electric Company. (See O'Neill, Henry W., assignor.)
Western Electric Company. (See Pratt, Edward J., assignor.)
Western Electric Company. (See Singer, Emanuel, assignor.)
Western Electric Company. (See Smythe, Edwin H., assignor.)
Western Electric Company. (See Snook, Homer C., assignor.)
Western Electric Company. (See Yale, Walter S., assignor.)
Western Glass Company, The. (See Jacklin, Leonard F., assignor.)
Western Supply Company. (See Crotto, Frank E., assignor.)
Western Union Telegraph Company. (See Benjamin, G. R., and Angel, assignors.)
Westinghouse Air Brake Company. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Mathieson, Andrew C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Aram, Otto, assignor.)
Westinghouse Electric and Manufacturing Company. (See McGarvey, Albert G., assignor.)
Westinghouse Lamp Company. (See Higgins, John J., assignor.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)

Weston, Edward F., assignor to Western Electrical Instrument Corporation, Newark, N. J. Pointer for electrical measuring instruments. 1,579,849; Apr. 6.
Weston Electrical Instrument Corporation. (See Weston, Edward F., assignor.)
Whalen, Edward J. (See Conley, E. J., and Whalen.)
Wheadon, Frederick W. H. (See Stobie, James C., assignor.)
Wheeler, C. H., Manufacturing Company. (See Suczek, Robert, assignor.)
Wheeler, Melvin J. (See Moebes, Gus, assignor.)
Wheeler, Wells, Sharpsville, Pa. Combined priming and compression release valve. 1,579,985; Apr. 6.
White, Alphonzo, assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Tool-operating machine. 1,580,094; Apr. 6.
White, Bruce C., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Speed-indicating mechanism for roll changers and the like. 1,579,683; Apr. 6.
White, Garrett, Chapel Hill, Tenn. Thermostatic circuit closer and breaker. 1,579,986; Apr. 6.
Whitney, Baxter D., & Son, Inc. (See White, Alphonzo, assignor.)
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Candle cup for lighting fixtures. Des. 69,859; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Bobeche for lighting fixtures. Des. 69,860; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Collar for lighting fixtures. Des. 69,861; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Spindle bottom for lighting fixtures. Des. 69,862; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Spindle shank for lighting fixtures. Des. 69,863; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Body for lighting fixtures. Des. 69,864; Apr. 6.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Wall plate for lighting fixtures. Des. 69,865; Apr. 6.
Whyte, Frederick M., Tarrytown, N. Y., assignor to Hutchins Car Roofing Co., Detroit, Mich. Car roof. 1,579,901; Apr. 6.
Whyte Motor Products Company. (See Grigsby, Bertram J., assignor.)
Wickes, Milton O., Northampton, Mass. Peg for stringed instruments. 1,579,987; Apr. 6.
Wickman, Axel C., Leamington, England. Machine for measuring, ganging, or the like. 1,580,081; Apr. 6.
Wieder, Samuel, and E. Muller, Highland Falls, N. Y. Supporting rest. 1,579,585; Apr. 6.
Wilcox, Amos H., assignor of one-fourth to C. T. Keath, Beaver City, Nebr. Wire tightener and splicer. 1,579,988; Apr. 6.
Wild, Wilhelm, and C. Eyer, assignors to Badische Anilin- & Soda-Fabrik, Ludwigsbafen-on-the-Rhine, Germany. Making a calcium-nitrate fertilizer. 1,579,989; Apr. 6.
Wiles, Russell, Riverside, assignor to Standard Oil Company, Whiting, Ind. Refining oils. 1,579,799; Apr. 6.
Wilkes, Frederic, Wilkinsburg, Pa. Lubricating apparatus. 1,579,586; Apr. 6.
Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Coffeepot or similar article. Des. 69,866; Apr. 6.
Wilkinson, George S., London, England, and M. S. Napier, Cannes, France, assignors to D. Napier & Son Limited, London, England. Internal-combustion engine. 1,579,266; Apr. 6.
Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Double-stroke deep-well pump. 1,579,587; Apr. 6.
Williams, George F. (See Meakes, R. M., and Williams.)
Williams, Hasbrouck J., Brevard, N. C. Resisting safety lander for aerial machines. 1,579,684; Apr. 6.
Williams, William F., Chicago, Ill. Spotlight. 1,579,424; Apr. 6.
Williston, Belvin T., Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Gate valve. 1,579,800; Apr. 6.
Willoughby, Victor R., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Discharge-outlet valve. 1,579,267; Apr. 6.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Car-truck side frame. 1,579,268; Apr. 6.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,579,269; Apr. 6.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-dome closure. 1,579,270; Apr. 6.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Dust guard for journal boxes. 1,579,271; Apr. 6.
Willshaw, Harry, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Inner-tube core apparatus. 1,579,902; Apr. 6.
Willys-Morrow Company, The. (See Lutz, Hans, assignor.)
Willys-Overland Company, The. (See Lichter, Adolph H., assignor.)
Willys-Overland Company, The. (See Trimbath, Samuel, assignor.)
Wilson, Walter R., Douglas, Ga. Optometer. 1,579,990; Apr. 6.
Wilson, William B., Well-Hall, England. Single sleeve valve for internal-combustion engines, steam engines, and the like. 1,579,425; Apr. 6.
Wilson, William B., Well-Hall, England. Mechanism for operating single sleeve valves. 1,579,426; Apr. 6.
Winestock, Otto C., Perkinsville, Vt. Method and apparatus for denbering paper and like materials. 1,579,461; Apr. 6.
Winfrey, Sadie C., Dayton, Tex. Bailer for wells. 1,579,685; Apr. 6.
Winkler, Carl, Bern, Switzerland. Machine for casting stereoplates. 1,579,991; Apr. 6.
Wintermute, Harry A., assignor to Research Corporation, New York, N. Y. Method of and apparatus for separating light materials from gases. 1,579,462; Apr. 6.
Winters, Donald, Berkeley, assignor to Parker-Regan Mfg. Co., San Francisco, Calif. Floor mop. 1,579,463; Apr. 6.
Winthrop Chemical Company. (See Callsen, Jürgen, assignor.)
Wisconsin Electric Company. (See Beach, Chester H., assignor.)
Wiseman, John and A., Cunningham, Brooklyn, N. Y. Signal relay system. 1,579,427; Apr. 6.
Witherup, Charles J., Port Arthur, Tex. Packing. 1,579,272; Apr. 6.
Wittig, Arthur, West Allis, Wis. Valve tappet. 1,579,850; Apr. 6.
Wohlers, Friedrich H. N. (See Koch, H., Wohlers, and Nagley.)
Wolff, Hans H., Denver, Colo. Vehicle-operated rocking gate. 1,579,588; Apr. 6.
Worth, Barzillai G. (See Kidde, W., and Worth.)
Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
Wright, Frederick E., assignor to Carnegie Institution of Washington, Washington, D. C. Apparatus for the measurement of the variations in the force of gravity. 1,579,273; Apr. 6.
Wright, Robert T., Independence, Kans. Hay press. 1,580,095; Apr. 6.
Wurdack, Arthur, Normandy, Mo. Chair or similar article. Des. 69,867; Apr. 6.
Yale, Walter S., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for and method of whipping strand about a core. 1,579,274; Apr. 6.
Ybarra, Dimas, Zurita, Panuco, Mexico. Motor for aircrafts. 1,580,082; Apr. 6.
York, Arthur G., London, England. Display stand. 1,579,686; Apr. 6.
Yungling, Paul, assignor to Oil Fields Specialties Company, Los Angeles, Calif. Rotary draw-works clutch and brake. 1,579,903; Apr. 6.
Zaugg, Albert, Detroit, Mich. Clothes hanger. 1,579,904; Apr. 6.
Zeigler, Charles D., St. Paul, Minn. Christmas-tree holder. 1,579,275; Apr. 6.
Zeiss, Carl. (See Henker, Otto, assignor.)
Zimmerman, James G., Milwaukee, Wis. Producing colored photographs. 1,579,464; Apr. 6.
Zimmermann, Paul G., Keyport, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y. Aeroplane structure. 1,579,905; Apr. 6.
Zimmerman, Paul G., and B. V. Korvin-Kroukovsky, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, New York, N. Y. Pontoon. 1,579,906; Apr. 6.
Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Mirror support. 1,579,907; Apr. 6.
Zipperstein, Israel I., Chicago, Ill., assignor of one-half to H. S. Handler and ten percent to M. M. Newman. Wheel. 1,579,589; Apr. 6.
Zulich, John, Cleveland, Ohio. Casing for automobile leaf springs and the like. 1,579,428; Apr. 6.
Zwalsh, John J. (See Klasnich, J., and Zwalsh.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abstract title and forming the same. G. W. Werum. 1,579,682; Apr. 6.
Acetic anhydride and aldehyde, Manufacture of. G. J. Roy. 1,579,248; Apr. 6.
Acetylene generator. J. L. Brillantes. 1,579,856; Apr. 6.
Adjustable pad. P. V. Christiansen. 1,580,014; Apr. 6.
Aerial machines, Resisting safety lander for. H. J. Williams. 1,579,684; Apr. 6.
Aeroplane. C. W. Newson. 1,579,386; Apr. 6.
Aeroplane structure. P. G. Zimmerman. 1,579,905; Apr. 6.
Aeroplanes, Control mechanism for. H. E. Krammer. 1,579,370; Apr. 6.
Air and liquid fuel, Device for pulverizing a mixture of. L. Grillet. 1,579,310; Apr. 6.
Aircrafts, Motor for. D. Ybarra. 1,580,082; Apr. 6.
Air drier, Hot-. E. S. Hewitt. 1,579,705; Apr. 6.
Air heater. T. J. Peace. 1,579,380; Apr. 6.
Air-heating apparatus. B. J. Owen. 1,579,240; Apr. 6.
Air, land, and water craft. A. J. Harpstrite. 1,579,656; Apr. 6.
Air, land, and water craft, Combined. A. J. Harpstrite. 1,579,655; Apr. 6.
Air, land, and water plane, Combination. A. J. Harpstrite. 1,579,654; Apr. 6.
Airship. A. Bradford. 1,580,004; Apr. 6.
Alloy and producing same, Light aluminum. V. E. Hybinette. 1,579,481; Apr. 6.
Amalgam-filling contourer. R. H. Taylor. 1,579,968; Apr. 6.
Ammonia, Synthesis of. G. Claude. 1,579,647; Apr. 6.
Amusement and advertising device. J. L. Kellogg. 1,579,867; Apr. 6.
Amusement apparatus. A. W. Jones, jr., and C. Abrams. 1,580,046; Apr. 6.
Anchor for safety attachments. W. A. Hearn. 1,579,764; Apr. 6.
Antiskid chain. F. M. Hargreaves. 1,579,813; Apr. 6.
Antiskidding device. W. E. Beck. 1,579,432; Apr. 6.
Apron. B. Berkowitz. 1,579,629; Apr. 6.
Apron board, Adjustable. E. E. Berry. 1,579,204; Apr. 6.
Arteriosclerosis, Producing a preparation for treating. V. Mindějovsky. 1,579,828; Apr. 6.
Automatic switch. R. D. Smith. 1,579,255; Apr. 6.
Automobile. A. Johnson. 1,579,943; Apr. 6.
Automobile accessory. V. V. Detwiler. 1,579,652; Apr. 6.
Automobile attachment. J. L. Drohen. 1,580,023; Apr. 6.
Automobile brake, Safety. J. J. Rogach. 1,580,079; Apr. 6.
Automobile bumper. C. Girl. 1,579,521–2; Apr. 6.
Automobile bumper. H. R. Groesbeck. 1,579,928; Apr. 6.
Automobile leaf springs and the like, Casing for. J. Zulich. 1,579,428; Apr. 6.
Automobile lock. C. L. Johnson. 1,579,768; Apr. 6.
Automobile radiator cap. E. H. Ellison. 1,580,026; Apr. 6.
Automobile running board. E. E. Paine. 1,580,075; Apr. 6.
Automobiles, Antiskidding device for. E. Haas. 1,579,478; Apr. 6.
Automobiles, Floor-board shield for. G. Moebes. 1,579,383; Apr. 6.
Automobiles, Screen for. O. F. Wallen. 1,579,583; Apr. 6.
Automobiles, Weather strip for closed. W. W. Naramore. 1,580,071; Apr. 6.
Bag: *See*—
Traveling bag.
Bag holder. C. R. Hellstrom. 1,579,814; Apr. 6.
Bag or grip carrier for use on automobiles. H. L. Kelly. 1,579,770; Apr. 6.
Balance block, Wrist-pin. C. W. Werst. 1,579,984; Apr. 6.
Baling machine, Automatic. T. S. Pearson and J. H. Gentry. 1,579,777; Apr. 6.
Barrel head. G. Maratea. 1,579,378; Apr. 6.
Barrel rack. G. Bell and W. E. Kirk. 1,579,627; Apr. 6.
Bath fixtures, Protective cover for. M. Heller and J. M. Howlett. 1,579,530; Apr. 6.
Bathtub. H. C. Welskittel. 1,579,981; Apr. 6.
Battery: *See*—
Primary battery.
Battery carrier and connecter. H. F. Koch, H. N. Wohlers, and W. Nagley. 1,579,369; Apr. 6.
Battery plates, Insulator for. R. B. Owen. 1,579,733; Apr. 6.
Battery terminals, Tool for removing. L. W. Butler. 1,579,857; Apr. 6.
Bead manufacture, Machine for. J. Paisseau. 1,580,076; Apr. 6.
Bean-treating machine, String-. J. M. Buchanan. 1,580,008; Apr. 6.
Bearing-adjusting means, Internal-. H. W. Sweet. 1,579,737; Apr. 6.
Bearing, Antifriction. H. A. Vail. 1,579,798; Apr. 6.
Bearing-obstruction ejector. P. R. Dieringer. 1,579,653; Apr. 6.
Bed, Hospital invalid. W. F. Fedosenko. 1,579,604; Apr. 6.
Bed, Knockdown. C. G. Read. 1,579,659; Apr. 6.
Belt or band, Endless. I. F. Kepler. 1,579,946; Apr. 6.
Belts, Method and apparatus for making endless. A. E. Falor. 1,579,293; Apr. 6.
Beverage-dispensing and advertising means. A. A. Shaw. 1,579,959; Apr. 6.
Bicycle lock. H. E. Brotemarkle. 1,579,639; Apr. 6.
Billboards and removing posters from billboards. C. A. Beall. 1,579,750; Apr. 6.
Billiard-table cloth. F. Reddaway. 1,579,889; Apr. 6.
Binder. C. M. Richardson. 1,579,661; Apr. 6.
Block: *See*—
Balance block. Take-up block.
Hat block. Terminal block.
Paving block.
Block form, Building-. R. Dille. 1,579,213; Apr. 6.
Blotter attachment for pen staffs. D. Brittain. 1,579,465; Apr. 6.
Board: *See*—
Apron board. Diving board.
Automobile running board. Ironing board.
Boiler. J. M. McClellan. 1,580,063; Apr. 6.
Boiler protector, Wash-. J. C. McKeeken. 1,579,376; Apr. 6.
Boilers, Feed-control apparatus for steam. O. Günther. 1,579,526; Apr. 6.
Boilers, Method and apparatus for controlling the feed-water supply to steam. O. Guenther. 1,579,312; Apr. 6.
Boilers, Preventing scale and incrustation in steam. G. S. Neeley. 1,579,454; Apr. 6.
Boilers, Preventing scaling and pitting of steam. G. S. Neeley. 1,579,453; Apr. 6.
Boilers, Water-level indicator for traveling. W. F. Kiesel, jr. 1,579,868; Apr. 6.
Boll-weevil catcher. E. H. Trick. 1,579,973; Apr. 6.
Bolts, Reenforcing means for spindle. A. Crost. 1,579,472; Apr. 6.
Book. C. A. Thorp. 1,579,575; Apr. 6.
Bookkeeping machines, Attachment for. W. Marquis. 1,579,557; Apr. 6.
Bottle. W. R. Root. Des. 69,848; Apr. 6.
Bottle. A. C. Sohn. Des. 69,851; Apr. 6.
Bottles, jars, and similar receptacles, Closure for. R. Sorgan. 1,579,411; Apr. 6.
Bottles, Syringe-filling attachment for. G. O. Banes. 1,579,996; Apr. 6.
Bowl or vase, Flower. C. Goldberg. 1,579,305; Apr. 6.
Box: *See*—
Bucket box. Paper box.
Mail box. Vanity box.
Match box.
Box insert. F. Tinsman. 1,579,417; Apr. 6.
Bracket: *See*—
Caster-wheel bracket. Suction bracket.
Rack and shelf bracket. Window-shade bracket.
Bracket support for rear-view mirrors and clocks. W. P. Hammond. 1,579,763; Apr. 6.
Braid. S. Rosenblum. Des. 69,849; Apr. 6.
Braiding machine. O. A. Fredrickson. 1,579,697; Apr. 6.
Brake device, Automotive. A. C. Mathieson. 1,579,380; Apr. 6.
Brake mechanism, Automatic. L. C. England. 1,579,292; Apr. 6.
Bread cutting and buttering, Machine suitable for. F. J. Thorling. 1,579,740; Apr. 6.
Bread, Manufacture of leavened. C. Hoffman. 1,579,447; Apr. 6.
Bread, Wrapping and sealing. A. W. Martin. 1,580,064; Apr. 6.

Brick making, Brush for. D. F. Shope. 1,579,961; Apr. 6.
Bucket. H. S. Atkinson. 1,579,624; Apr. 6.
Bucket box. A. L. Betts and A. B. Fey. 1,579,633; Apr. 6.
Bucket, Milking. A. Ferretti. 1,579,811; Apr. 6.
Buoy, Dirigible. J. E. Haschke. 1,579,529; Apr. 6.
Burner: *See*—
Oil burner.
Burner. J. Higham. 1,579,535; Apr. 6.
Button, Collar. E. G. Patterson. 1,579,948; Apr. 6.
Button-making machine. C. H. Milliken and A. Heck. 1,579,826; Apr. 6.
Cabinet and table, Combination bedside. L. Rothschild and J. M. Liptay. 1,579,784; Apr. 6.
Cable-measuring device. D. M. Tiller. 1,579,260; Apr. 6.
Cable structure. D. M. Simons. 1,579,494; Apr. 6.
Cables, telegraph and telephone wires, and other purposes, Pole for carrying electric. J. C. Stobie. 1,579,965; Apr. 6.
Calcium hydrate, Recovering. G. M. Drummond. 1,580,024; Apr. 6.
Calculating device. W. B. Hodge. 1,579,706; Apr. 6.
Calculating machine. H. Landsiedel. 1,579,544; Apr. 6.
Calendar. H. L. Gulline. 1,579,358; Apr. 6.
Camera, Semiautomatic film-winding. C. A. Bornmann. 1,579,752; Apr. 6.
Cameras, Automatic scale for copying. J. Verburg. 1,579,741; Apr. 6.
Camp body. E. O. Humphrey. 1,579,815; Apr. 6.
Can: *See*—
Friction-top can.
Can-closing machines, Sauce-injecting attachment for. W. Brombaker. 1,579,434; Apr. 6.
Can opener. A. R. and G. H. Ramig. 1,579,488; Apr. 6.
Candlestick. W. H. Magee. Des. 69,844; Apr. 6.
Cane, Vanity. E. T. Rasmussen. 1,579,622; Apr. 6.
Caoutchouc and products obtained thereby, Vulcanizing. D. N. Shaw. 1,580,089; Apr. 6.
Capped container and cap therefor. C. Hammer. 1,579,762; Apr. 6.
Capsule-filling machine. R. T. Kilpatrick. 1,579,947; Apr. 6.
Car and other door lock, Motor-. F. Kerby. 1,579,619; Apr. 6.
Car body, Metal. F. Tench and M. Lachman. 1,579,673; Apr. 6.
Car body, Motor-. V. Candelaresi. 1,579,644; Apr. 6.
Car-dome closure, Tank-. J. J. McBride. 1,579,224; Apr. 6.
Car dumper, Rolling. J. Griess. 1,579,927; Apr. 6.
Car, Loading kiln. L. T. Strommer. 1,579,258; Apr. 6.
Car, Mine. V. Willoughby. 1,579,269; Apr. 6.
Car, Railway dump. L. Kleinhans. 1,579,821; Apr. 6.
Car roof. W. D. Thompson. 1,579,899; Apr. 6.
Car roof. F. M. Whyte. 1,579,991; Apr. 6.
Car-truck side frame. V. Willoughby. 1,579,268; Apr. 6.
Car wheel, Cast-iron. J. M. Keller. 1,579,214; Apr. 6.
Car windows, Screen fastening for. W. C. Smith. 1,579,410; Apr. 6.
Cars, Collector for electric. H. Silbermann. 1,579,336; Apr. 6.
Cars, Discharge outlet for tank. J. J. McBride. 1,579,223; Apr. 6.
Carbonating apparatus. A. M. Horn and W. T. Farrow. 1,580,035; Apr. 6.
Chain, Skid. W. P. Hagedorn. 1,579,446; Apr. 6.
Carburetor. R. E. Ballow. 1,579,807; Apr. 6.
Carburetor. F. Durante. 1,579,600; Apr. 6.
Carburetor. A. M. La Chapelle. 1,579,329; Apr. 6.
Carburetor body and attachment therefor. W. C. M. Schrader. 1,579,403; Apr. 6.
Carrier: *See*—
Luggage carrier.
Mattress carrier.
Carrier-wave communicating and switching system. E. H. Smythe. 1,579,256; Apr. 6.
Carrying and depositing device, Check. S. C. Casteel and O. W. E. Broockmann. 1,579,208; Apr. 6.
Case: *See*—
Suitcase.
Case structure. S. A. Kozielski. 1,580,052; Apr. 6.
Casing for holding goods containers undergoing treatment. H. P. Wellman. 1,579,584; Apr. 6.
Caster-wheel bracket. L. W. Chase. 1,579,689; Apr. 6.
Casting steel or other ingots or castings. J. H. Warlow, jr. 1,579,743; Apr. 6.
Cell and element thereof, Primary. M. L. Martus, J. G. Ross, and E. H. Becker. 1,579,228; Apr. 6.
Chain tightener. W. D. Thompson. 1,579,579; Apr. 6.
Chair or similar article. A. Wurdack. Des. 69,867; Apr. 6.
Check protector. H. R. Fields. 1,579,758; Apr. 6.
Cheese cutter. D. A. Strachan and H. R. Scott. 1,579,966; Apr. 6.
Choline compound having laxative properties. J. Callsen. 1,580,012; Apr. 6.
Christmas-tree holder. C. D. Zeigler. 1,579,275; Apr. 6.
Christmas-tree-lighting outfit. C. P. Cushway. 1,579,649; Apr. 6.
Cigarette and match-box holders, Latch for combined. L. J. Hartwig. 1,579,360; Apr. 6.
Cinematographic films, Machine for treating. G. A. Salins. 1,579,399; Apr. 6.
Cinematography, Registration of complemental images in. J. A. Ball and D. F. Comstock. 1,579,806; Apr. 6.
Circuit closer. H. J. Barndt and A. K. Birrell. 1,579,431; Apr. 6.
Circuit closer and breaker, Thermostatic. G. White. 1,579,986; Apr. 6.
Circuits, Transmission. R. V. L. Hartley and R. C. Mathes. 1,579,931; Apr. 6.
Clamp: *See*—
Grip clamp.
Hose clamp.
Tubing clamp.
Wire-line clamp.
Clamp. R. Gouirand, and A. Pache. 1,579,523; Apr. 6.
Clasp: *See*—
Necklace clasp.
Cleaner: *See*—
Dry cleaner.
Tube cleaner.
Windshield cleaner.
Cleaning compound. A. L. Gacond. 1,579,698; Apr. 6.
Clinker grinder. A. G. McGarvey. 1,579,775; Apr. 6.
Clip: *See*—
Single clip.
Closure, F. M. Strecker. 1,579,672; Apr. 6.
Cloth to game tables and the like, Fastening. S. A. Nelson. 1,579,739; Apr. 6.
Clothes hanger. A. Zaugg. 1,579,904; Apr. 6.
Clutch. G. E. Hallenbeck. 1,579,859; Apr. 6.
Clutch and brake, Rotary draw-works. P. Yungling. 1,579,903; Apr. 6.
Clutch, Hydraulic. M. B. Jackson. 1,579,540; Apr. 6.
Clutch mechanisms, Safety device for. H. J. Boe. 1,579,206; Apr. 6.
Coal-washing process and plant. A. France. 1,579,295; Apr. 6.
Coffeepot or similar article. S. G. Wilkes. Des. 69,866; Apr. 6.
Coil, Reactance. T. E. Murray. 1,579,883; Apr. 6.
Coil-winding machines, Traverser mechanism for. D. Macadie. 1,580,086; Apr. 6.
Collar. J. Margulies. 1,579,879; Apr. 6.
Collar. G. T. Sweetser. 1,579,339; Apr. 6.
Collector. H. Japp. 1,579,337; Apr. 6.
Coloring matters, Manufacturing vat. A. Lüttringhaus and H. Emmer. 1,580,062; Apr. 6.
Communication system, Two-way. J. C. Gabriel. 1,579,299; Apr. 6.
Composition of matter. C. E. Hite. 1,579,611; Apr. 6.
Compound, Boiler. W. P. Peck. 1,579,949; Apr. 6.
Compound curves, Machine for cutting. R. W. Brown. 1,580,066; Apr. 6.
Compressor, Variable-capacity. M. Riesner. 1,579,781; Apr. 6.
Compressors, Regulator for variable-capacity. 1,579,782; Apr. 6.
Condenser, Variable. H. P. Clausen. 1,579,209; Apr. 6.
Condenser, Variable air. J. J. Jorgensen. 1,579,482; Apr. 6.
Conduit. T. A. and D. J. Danaher. 1,579,285; Apr. 6.
Container partition. W. T. S. Brown. 1,579,640; Apr. 6.
Containers, Closure cap for. C. Jensvold. 1,579,942; Apr. 6.
Control mechanism. F. Balzer. 1,579,747; Apr. 6.
Control system. R. C. Deale. 1,579,651; Apr. 6.
Conveyer systems, Automatic control for power. A. S. Langsdorf. 1,579,545; Apr. 6.
Cooler. C. S. Moore. 1,579,560; Apr. 6.
Cooling system. W. Cox. 1,580,019; Apr. 6.
Core lock, Record-preserving removable. F. E. Best. 1,579,631; Apr. 6.
Core-pulling device. E. Hotter. 1,579,938; Apr. 6.
Cores, Implement for depositing. J. F. Hutchings. 1,579,538; Apr. 6.
Cores with strand material, Apparatus for and method of whipping. B. K. Ford. 1,579,696; Apr. 6.
Cores with strand material, Whipping. B. K. Ford. 1,579,695; Apr. 6.
Corn server. R. C. Berry. 1,579,911; Apr. 6.
Cot. C. D. Brouyette. 1,579,508; Apr. 6.
Cramp. S. C. Boadle. 1,580,083; Apr. 6.
Crane, Wrecking. F. E. Shutt and M. H. Rinehart. 1,579,962; Apr. 6.
Crank-case brace and hanger. C. R. Bowen. 1,579,592; Apr. 6.
Crate, Folding poultry. G. S. Clapper. 1,579,755; Apr. 6.
Creasing and hemming machine. W. Wade. 1,579,496; Apr. 6.
Creasing machine. G. W. Swift, jr. 1,579,738; Apr. 6.
Crude peat into a coallike substance, Transformation of. O. Linker. 1,580,058; Apr. 6.
Cue. C. Gulfi. 1,580,034; Apr. 6.
Cultivating machine, Land-. W. T. Brown. 1,579,277; Apr. 6.
Cultivating tool, Detachable. G. A. Smith and J. F. Sincock. 1,579,408; Apr. 6.
Curling iron. W. A. Rankin. 1,579,952; Apr. 6.
Current-control device. W. J. Adams. 1,579,199; Apr. 6.
Current-rectifying system. J. Johnson. 1,579,944; Apr. 6.
Curtain and shade support. H. E. Hartwig. 1,580,039; Apr. 6.
Cushion: *See*—
Spring upholstered cushion.

Cutter: *See*—
Cheese cutter.
Glass cutter.
Manure and straw cutter.
Cutting green corn from the cob, Machine for. F. W. Burpee. 1,579,511; Apr. 6.
Cutting or scoring machine. R. J. Aubuchont. 1,579,995; Apr. 6.
Cutting tool. R. A. Raszl. 1,579,888; Apr. 6.
Dash control. C. F. Newman. 1,579,234; Apr. 6.
Davit. A. P. Schat. 1,579,456; Apr. 6.
Dehydrator, Electrical. D. K. Cason, jr. 1,579,515; Apr. 6.
Derrick. C. H. Besse. 1,579,854; Apr. 6.
Desk, Portable reading. R. R. Wade. 1,579,678; Apr. 6.
Desk stand or stationary holder. J. H. Vincia. 1,579,978; Apr. 6.
Diaphragms for use in the measurement of fluid pressure, Flexible. J. L. Hodgson. 1,579,536; Apr. 6.
Die construction, Cover-applying. W. E. Christman and R. L. Warren. 1,579,467; Apr. 6.
Die head, Self-opening. A. F. Brietenstein. 1,579,912; Apr. 6.
Die-sinking machine. L. G. Bayrer. 1,580,097; Apr. 6.
Digester, J. W. Van Alstyne. 1,579,261; Apr. 6.
Disconnecting switch. S. N. Jordan. 1,580,047; Apr. 6.
Dishwasher. A. D. Sherrick. 1,579,569; Apr. 6.
Dishwashing device. A. D. Klages. 1,579,859; Apr. 6.
Display card. L. Lerner. 1,579,720; Apr. 6.
Display form. R. R. Johnston. 1,579,710; Apr. 6.
Display rack. J. C. Lund. 1,580,061; Apr. 6.
Display stand. A. G. York. 1,579,686; Apr. 6.
Ditches, Machine for finishing and paving. F. E. Greene. 1,579,443; Apr. 6.
Diving board. W. S. Brown. 1,579,510; Apr. 6.
Doffing mechanism for cap spinning, doubling, twisting, and like machines. A. and J. Stell and H. Welch. 1,579,257; Apr. 6.
Doll's eye. A. Konoff. 1,580,051; Apr. 6.
Dolls, Eye supporting unit for. A. Cohn. 1,579,210; Apr. 6.
Dome closure, Tank-. V. Willoughby. 1,579,270; Apr. 6.
Door lock. W. R. Schlage. 1,579,457; Apr. 6.
Door lock, Safety. B. G. Fry. 1,579,298; Apr. 6.
Door mechanism. C. C. Tomkinson. 1,579,677; Apr. 6.
Door operating device, Double-swing-. E. H. Bickley. 1,579,751; Apr. 6.
Doors, Noiseless stop for. T. E. Welsh. 1,579,265; Apr. 6.
Draft apparatus, Forced-. T. E. Murray. 1,579,384; Apr. 6.
Draft rigging. D. S. Barrows. 1,579,500; Apr. 6.
Drawing mechanism. M. F. Thoma. 1,579,414; Apr. 6.
Drier: *See*—
Air drier.
Paint drier.
Steam veneer drier.
Drier. W. Allison. 1,579,852; Apr. 6.
Drilling machine, Well-. A. R. Sides. 1,579,667; Apr. 6.
Drink mixer. C. H. Beach. 1,579,590; Apr. 6.
Drum head. J. M. Coughlin. 1,579,282; Apr. 6.
Drums, Tone modifier or sharpener for. E. L. Simpson. 1,579,893; Apr. 6.
Dry cleaner. J. Needre. 1,580,101; Apr. 6.
Drying crops artificially, Method and apparatus for. B. J. Owen. 1,579,239; Apr. 6.
Duplicator. E. M. and L. W. Daus. 1,579,439; Apr. 6.
Dust collector. W. B. Senseman. Re16,315; Apr. 6.
Dust pan. H. Cave. 1,579,279; Apr. 6.
Dyeing machines, Device for automatically advancing and rotating the yarn rollers of yarn. J. Schlumpf. 1,579,956; Apr. 6.
Electric furnace. M. D. Dominguez. 1,579,476; Apr. 6.
Electric furnace and the like. W. A. Loke. 1,580,060; Apr. 6.
Electric heater. E. Millner. 1,579,882; Apr. 6.
Electriv heater. J. Schoenfeld. 1,579,402; Apr. 6.
Electric heater. M. H. Shoenberg. 1,580,090; Apr. 6.
Electric machine, Dynamo-. J. F. H. Douglas and E. W. Kane. 1,580,022; Apr. 6.
Electric machine, Dynamo. O. L. Dupy. 1,579,286; Apr. 6.
Electric semaphore signal. W. J. McDonnell. 1,579,877; Apr. 6.
Electric-sign switch. J. Klasnich and J. J. Zwalsh. 1,579,870; Apr. 6.
Electric snap switch. N. G. Hayes. 1,579,361; Apr. 6.
Electric switches, control mechanism for. A. E. Anderson. 1,579,745; Apr. 6.
Electrical apparatus. W. C. Dee. 1,779,212; Apr. 6.
Electrical condenser and making and adjusting the same. G. H. Lewis. 1,580,057; Apr. 6.
Electrical effects, Indicating. J. S. Jammer and C. T. Anderson. 1,579,708; Apr. 6.
Electrical switching means, Automatic. J. Erickson. 1,579,757; Apr. 6.
Electrical system. W. F. Bouché. 1,579,505; Apr. 6.
Electrode consisting of lengths that can be joined together in a continuous manner. A. H. Laurell. 1,579,824; Apr. 6.
Electro-dynamic receiver. E. S. Pridham and P. L. Jensen. 1,579,392; Apr. 6.
Electromagnetically-controlled device. J. Eaton. 1,580,025; Apr. 6.
Electrotherapeutic apparatus. J. Cameron. 1,579,513; Apr. 6.
Elevator-door-control system. H. E. Cavanah. 1,579,754; Apr. 6.
End gate. M. J. Etienne. 1,579,603; Apr. 6.
End gates, Lock for. R. T. Clyde. 1,579,436; Apr. 6.
Engine: *See*—
Internal-combustion engine.
Rotary engine.
Engine crank pins or shaft end bearings, Machine for truing. M. Redmond. 1,579,246; Apr. 6.
Engine cylinders, Testing the compression of. P. F. Sonnek. 1,579,789; Apr. 6.
Engine piston and method of packing and lubricating the same. T. C. Smith. 1,579,409; Apr. 6.
Engines, Electric igniting mechanism for internal-combustion. A. A. Kent. Re16,313; Apr. 6.
Engines, Explosion telltale for internal-combustion. C. W. Cushing. 1,579,916; Apr. 6.
Engines, Fuel mixture for internal-combustion. J. E. Babb. 1,579,803; Apr. 6.
Engines, Oil heater for internal-combustion. C. B. Miller. 1,579,231; Apr. 6.
Engines, Separate combustion chamber for double-piston. P. L. Scott. 1,579,664; Apr. 6.
Engines, Sparking-advance control device for explosion. M. Duten. 1,579,287; Apr. 6.
Engines, steam engines, and the like, Single sleeve valve for internal-combustion. W. B. Wilson. 1,579,425; Apr. 6.
Envelope, Mailing. F. A. Juckett. Des. 69,836; Apr. 6.
Excavating and scoop shovel. W. S. Kelly. 1,579,945; Apr. 6.
Excavating apparatus. R. H. Bicknell. 1,580,001; Apr. 6.
Explosive. W. O. Snelling. 1,579,964; Apr. 6.
Explosive-fuel mixture and making the same. J. E. Babb. 1,579,801–2; Apr. 6.
Eyelet and making same. E. Lumbeck. 1,579,221; Apr. 6.
Eyelet-setting machine. S. Polinsky. 1,579,487; Apr. 6.
Fabrics and the like, Hand device for beating. J. G. Mitchell. 1,579,382; Apr. 6.
Fastener, Interlocking. G. E. Prentice. 1,580,078; Apr. 6.
Faucet. C. F. Schriner. 1,579,567; Apr. 6.
Felt and like materials, Manufacture of. R. B. Russell. 1,579,890; Apr. 6.
Fender brace and bumper. K. Kleven. 1,579,621; Apr. 6.
Fertilizer distributor. G. B. Todd. 1,579,581; Apr. 6.
Fertilizer, Making a calcium-nitrate. W. Wild and C. Eyer. 1,579,989; Apr. 6.
Fibers and the product thereof, Weighing. O. Berg and M. Imhoff. 1,579,628; Apr. 6.
Fibrous material. J. O. Goodwin. 1,579,925; Apr. 6.
Figured glass. L. F. Jacklin. Des. 69,835; Apr. 6.
Film feeding and registering mechanism. J. A. Ball and E. A. Gaillson. 1,579,805; Apr. 6.
Finger ring. A. Suderov. Des. 69,856–7; Apr. 6.
Firearm, Automatic. R. von Frommer. 1,579,742; Apr. 6.
Fire-extinguishing system. W. Kidde and B. G. Worth. 1,579,712; Apr. 6.
Flatiron. C. J. Clefton. 1,579,810; Apr. 6.
Floor-board-holding means. W. E. Spangle. 1,579,570; Apr. 6.
Floor covering, Plastic. J. F. Nachod. 1,579,729; Apr. 6.
Fluid, Method of and apparatus for compressing elastic. R. Suczek. 1,579,259; Apr. 6.
Fluid-pressure motor. E. H. Shaff. 1,579,404; Apr. 6.
Fluid-pressure recorder. W. Thomas. 1,579,415; Apr. 6.
Fluid pressures, Apparatus for automatically registering. J. Iversen. 1,579,940; Apr. 6.
Flush receptacle, Four-door duplex. H. Hubbell. 1,579,865; Apr. 6.
Folding machine. S. Cooper. 1,579,470; Apr. 6.
Fork head. E. R. Wagner. 1,579,979; Apr. 6.
Frame: *See*—
Car-truck side frame.
Tilting frame.
Frequency-indicating system. J. L. Hysko. 1,579,320; Apr. 6.
Friction-top can. S. H. Lindgren. 1,579,548; Apr. 6.
Frying apparatus, Potato-chip-. B. F. Locke. 1,579,874; Apr. 6.
Fuel-burning devices, Safety control mechanism for electrically-controlled. L. I. Aldrich. 1,579,497; Apr. 6.
Fuel saver and auxiliary air regulator, Automatic. E. Hollmig. 1,579,365; Apr. 6.
Furnace: *See*—
Electric furnace.
Gas furnace.
Furnace. W. S. Fandrei. 1,580,028; Apr. 6.
Furnace fired with coal dust and like pulverulent fuel. E. Vogt and L. Kirchhof. 1,580,080; Apr. 6.
Furnace wall. M. Liptak. 1,579,218; Apr. 6.
Furnaces, Air heater for. H. A. Ives. 1,579,368; Apr. 6.
Furnaces, Device for charging metallurgical and like. F. Tharaldsen. 1,579,970; Apr. 6.
Fuse and preparing same, Electric. T. F. Cote. 1,579,596; Apr. 6.
Game. J. K. Allen. 1,579,341; Apr. 6.
Game. C. S. Knowles. 1,579,327; Apr. 6.
Game apparatus. W. A. Haegele. 1,580,036; Apr. 6.
Game counter. Z. C. Birnberg. 1,579,276; Apr. 6.
Garment hanger. C. C. Criss. 1,579,349; Apr. 6.
Garment supporter. A. J. Goldsmith. 1,579,306; Apr. 6.
Gas cut off, Automatic. H. Godfrey. 1,580,033; Apr. 6.
Gas cut-off, Automatic. S. Polek. 1,579,951; Apr. 6.

Gas furnace. C. W. De Forest. 1,579,599; Apr. 6.
Gas-meter-protecting means. G. H. Sauton. 1,579,954; Apr. 6.
Gas meters and the like, Stuffing box for dry. A. G. Cooke and B. C. and R. A. Phillips. 1,580,018; Apr. 6.
Gases containing cyanide of hydrogen, Production of ammonia from. B. F. Halvorsen. 1,580,038; Apr. 6.
Gases, Self-contained breathing apparatus for use in noxious. A. B. Dräger. 1,579,919; Apr. 6.
Gate: *See*—
End gate. Rocking gate.
Gauge: *See*—
Plug gauge. Tire-stem pressure gauge.
Tire-pressure gauge.
Gauging associated elements, Apparatus for. E. O. Dieterich. 1,579,918; Apr. 6.
Gauging means for measuring and adjusting apparatus. C. B. Emery. 1,579,291; Apr. 6.
Gear cutters, Testing machine for. S. Trimbath. 1,579,900; Apr. 6.
Gear of high-tension direct-current apparatus, Commutating. J. E. Calverley and W. E. Highfield. 1,579,643; Apr. 6.
Generator: *See*—
Acetylene generator. Oscillation generator.
Geometrical instrument for laying out roofs, hoppers, and the like. J. M. Huisenfeldt. 1,579,366; Apr. 6.
Glass and apparatus therefor, Production of continuous strips of. E. B. Le Mare. 1,579,825; Apr. 6.
Glass, Apparatus for making sheet. L. Showers. 1,579,666; Apr. 6.
Glass articles, Automatic machine for manufacturing blown-. E. Roirant. 1,579,396; Apr. 6.
Glass cutter. L. A. Walters. 1,579,980; Apr. 6.
Golf practicing device. S. C. Fisk. 1,579,294; Apr. 6.
Governor tappet. C. C. Farmer. 1,579,352; Apr. 6.
Grain hopper. W. O. Nothnagel. 1,580,073; Apr. 6.
Grain shocker. D. A. Shoemaker. 1,579,252; Apr. 6.
Gramophone or the like. L. Forse. 1,579,862; Apr. 6.
Granular materials of different specific gravities, Apparatus for sorting. P. F. A. C. André. 1,579,993; Apr. 6.
Grass destroyer, Quack-. A. Skene. 1,579,406; Apr. 6.
Gravity, Apparatus for the measurement of the variations in the force of. F. E. Wright. 1,579,273; Apr. 6.
Gravity separator. F. A. Homewood. 1,579,448; Apr. 6.
Grinding and polishing machine, Lens. J. T. Bresnin. 1,579,506; Apr. 6.
Grinding apparatus, Roll-. L. R. Helm. 1,579,932; Apr. 6.
Grinding apparatus, Roll-. L. R. Helm. 1,579,934; Apr. 6.
Grinding machines, Positioning device for. C. Knowles. 1,579,713; Apr. 6.
Grinding rolls and the like, Apparatus for. L. R. Helm. 1,579,933; Apr. 6.
Grinding wheels, Dressing attachment for. H. E. Durkee. 1,579,691; Apr. 6.
Grip clamp, Friction-. J. Grant and S. L. Campbell. 1,580,100; Apr. 6.
Gumming apparatus. O. Müller. 1,580,070; Apr. 6.
Gun carriages, Adjustable axle pivot pin for. B. P. Joyce. 1,579,484; Apr. 6.
Hammer, Rotating. L. Rasch. 1,579,840; Apr. 6.
Hammers, Attachment for pneumatic. J. C. Keavey. 1,579,542; Apr. 6.
Hand bag. L. A. Samstag. Des. 69,850; Apr. 6.
Handcuff. J. J. Murphy. 1,579,830; Apr. 6.
Handcuff-lock construction. E. E. Neal. 1,579,333; Apr. 6.
Handkerchief. A. W. Davis. Des. 69,821; Apr. 6.
Handle: *See*—
Tool handle.
Hanger: *See*—
Clothes hanger. Pipe hanger.
Garment hanger.
Hat, Adjustable. L. Barnett. 1,579,997; Apr. 6.
Hat block. J. H. Johnson. 1,580,045; Apr. 6.
Hat bodies, Apparatus for raising nap on. W. A. Lorenz. 1,579,551; Apr. 6.
Hay press. R. T. Wright. 1,580,095; Apr. 6.
Headlight attachment for automobiles, Dirigible. C. M. Hind. 1,579,610; Apr. 6.
Headlight device, Supplementary. J. C. Littlejohn. 1,579,772; Apr. 6.
Headlight lens. G. E. Corcoran. Des. 69,819; Apr. 6.
Headlight-shifting means. E. W. Kapraun. 1,579,541; Apr. 6.
Headlights, Nonglare attachment for. L. J. Gagnon. 1,579,442; Apr. 6.
Head sets, Support for. C. R. Stenberg. 1,579,412; Apr. 6.
Heart-affecting pure glucoside from bulbus scillæ and producing the same. E. Suter. 1,579,338; Apr. 6.
Heater: *See*—
Air heater. Water heater.
Electric heater.
Heating system, Closed hot-air. T. F. Meinhardt. 1,579,230; Apr. 6.
Heating system, High-temperature. B. S. Harrison. 1,579,314; Apr. 6.
Heating unit, Electric. F. E. Owen. 1,579,732; Apr. 6.
Heel, Shoe. C. Furcolo. 1,580,031; Apr. 6.
Hinge for casement windows, Self-locking. J. L. C. Heinz. 1,579,362; Apr. 6.
Hinge with automatic lifting and locking means, Casement-window. J. L. C. Heinz. 1,579,363; Apr. 6.
Hoisting device. M. Itjen and G. T. Rapuzzi. 1,579,539; Apr. 6.
Hoists and the like, Brake-operating mechanism for electric. H. H. Logan. 1,579,549; Apr. 6.
Hook: *See*—
Self-closing sister hook.
Hook. A. M. Jacoby. 1,579,767; Apr. 6.
Hook and eye and setting them. E. Lumbeck. 1,579,220; Apr. 6.
Hooking ring for a mass suspended to releasing devices. R. Alkan and G. Lesnurd. 1,579,851; Apr. 6.
Hose clamp. S. C. Lavender. 1,579,719; Apr. 6.
Hose protector. W. H. Dempsey and O. J. Waggoner. 1,579,474; Apr. 6.
Hydraulic jack. H. E. Bronson. 1,579,913; Apr. 6.
Hydrocarbon-burner cap. L. Stockstrom. Des. 69,852; Apr. 6.
Hydrocarbon oils into lower-boiling-point hydrocarbon oils, Apparatus for converting higher-boiling-point. W. M. McComb. 1,579,554; Apr. 6.
Hydrogen by the partial liquefaction of gaseous mixtures, Manufacture of. G. Claude. 1,579,348; Apr. 6.
Ice, Apparatus for making. M. S. Corbett. 1,579,437; Apr. 6.
Immersing, cooking, and delivering food products, Machine for. G. Cappi. 1,579,645; Apr. 6.
Incense burner. M. A. Bauer. Des. 69,812; Apr. 6.
Incinerator. H. E. Burns. 1,579,642; Apr. 6.
Incubators, Egg turner for. J. L. Davis. 1,579,350; Apr. 6.
Indexing mechanism, Automatic. C. A. Fisher, and W. MacPherson. 1,580,029; Apr. 6.
Indicating device. H. Theobald. 1,579,576; Apr. 6.
Indicator: *See*—
Resonance indicator.
Indicator. R. L. Campbell. 1,580,013; Apr. 6.
Inhaler. E. M. Pletcher. 1,579,486; Apr. 6.
Initiation apparatus. A. J. Hasbrouck. 1,580,040; Apr. 6.
Inner-tube-core apparatus. H. Willshaw. 1,579,902; Apr. 6.
Insect excluder. D. E. Edwards. 1,579,289; Apr. 6.
Internal-combustion engine. K. Eltze. 1,579,351; Apr. 6.
Internal-combustion engine. A. H. Fox. 1,579,759; Apr. 6.
Internal-combustion engine. J. F. Metten. 1,579,332; Apr. 6.
Internal-combustion engine. G. S. Wilkinson. 1,579,266; Apr. 6.
Internal-combustion engine, Rotary. F. A. Bullington. 1,579,207; Apr. 6.
Iron: *See*—
Curling iron.
Ironing board. J. Giles. 1,579,303; Apr. 6.
Irrigating appartus, Colonic. H. V. Hughens. 1,579,537; Apr. 6.
Jack: *See*—
Hydraulic jack. Screw jack.
Jewelry. J. B. Kislinger. 1,579,820; Apr. 6.
Jig and aspirator, Combined. J. F. Reilly. 1,579,660; Apr. 6.
Joint: *See*—
Rail joint. Universal joint.
Journal boxes, Dust guard for. W. H. Graham. 1,579,309; Apr. 6.
Journal boxes, Dust guard for. V. Willoughby. 1,579,271; Apr. 6.
Kite structure. C. Dahl. 1,579,473; Apr. 6.
Knitted article and making same. C. S. Holden. 1,579,479; Apr. 6.
Knitting machines, Driving mechanism for straight. M. Eisenschiml. 1,579,861; Apr. 6.
Knitting machines, Striping-finger construction for. K. Nebel. 1,580,072; Apr. 6.
Lace. P. Groebli. Des. 69,834; Apr. 6.
Lace. S. H. Page. Des. 69,847; Apr. 6.
Ladder. E. F. Givens. 1,579,701; Apr. 6.
Ladder, Folding. W. Taylor, jr. 1,579,574; Apr. 6.
Lamp, Automobile. J. K. Chinn. Des. 69,816; Apr. 6.
Lamp base. T. J. League. Des. 69,840–3; Apr. 6.
Lamp, Parking. H. G. Beyer. 1,579,855; Apr. 6.
Lamp-post structure. H. Barkschat. 1,579,909; Apr. 6.
Lamp shade or similar article. H. J. Cummings. Des. 69,820; Apr. 6.
Lamps, Making stems for tipless. J. J. Higgins. 1,579,765; Apr. 6.
Lantern, Electric. H. B. Patche. 1,579,832; Apr. 6.
Latch, Door. A. Ekman. 1,579,519; Apr. 6.
Latch, Door. E. C. Osbeck. 1,579,565; Apr. 6.
Lath. K. Lehpamer. 1,579,546; Apr. 6.
Lathing structure for plaster walls. J. F. Makowski. 1,579,377; Apr. 6.
Leather, Finishing. J. B. Welch. 1,579,264; Apr. 6.
Leg, Artificial. G. E. Marks. 1,579,724; Apr. 6.
Level indicator and fuel control. G. J. Papashvili. 1,579,241; Apr. 6.
Life preserver. H. J. Blakeslee. 1,579,502; Apr. 6.
Light materials for gases, Method of and apparatus for separating. H. A. Wintermute. 1,579,462; Apr. 6.
Lighting fixture, Candle cup for. C. de Q. Whittle. Des. 69,859; Apr. 6.
Lighting fixture, Electric-. W. Symmes. 1,579,897; Apr. 6.

Lighting fixtures, Bobeche for. C. de Q. Whittle. Des. 69,860; Apr. 6.
Lighting fixtures, Body for. C. de Q. Whittle. Des. 69,864; Apr. 6.
Lighting fixtures, Canopy for. G. E. Villaret. Des. 69,858; Apr. 6.
Lighting fixtures, Collar for. C. de Q. Whittle. Des. 69,861; Apr. 6.
Lighting fixtures, Spindle bottom for. C. de Q. Whittle. Des. 69,862; Apr. 6.
Lighting fixtures, Spindle shank for. C. de Q. Whittle. Des. 69,863; Apr. 6.
Lighting fixtures, Wall plate for. C. de Q. Whittle. Des. 69,865; Apr. 6.
Lime and producing it, Slaked. C. E. Hite. 1,579,766; Apr. 6.
Liquid-fuel burner of the injection type. D. R. Bruce. 1,579,278; Apr. 6.
Liquid meter. D. C. Coleman. 1,579,280; Apr. 6.
Liquid with gases, Apparatus for treating. W. H. Greenawalt. 1,579,355; Apr. 6.
Lock: *See*—
Automobile lock. Door lock.
Bicycle lock. Nut lock.
Car and other door lock. Permutation lock.
Lock. E. B. Stone. 1,579,736; Apr. 6.
Lock washer. G. G. Clark. 1,580,015; Apr. 6.
Locomotive slack adjuster. A. A. Pedneau. 1,579,244; Apr. 6.
Loom. C. Crompton. 1,579,858; Apr. 6.
Loom beams, Warp clamp for. C. L. Mangum. 1,579,227; Apr. 6.
Looms, Take-up for. E. F. Baldwin. 1,579,346; Apr. 6.
Looms, Warp stop mechanism for. C. D. Brown. 1,580,084; Apr. 6.
Loud speaker. E. A. Graham. Des. 69,832–3; Apr. 6.
Loud speaker. J. P. Hobart, jr. 1,579,864; Apr. 6.
Loud speaker or similar article. R. H. Manson. Des. 69,845; Apr. 6.
Lubricating apparatus. F. Wilkes. 1,579,586; Apr. 6.
Lubricating system for thrust mechanisms. T. S. Miller. 1,579,381; Apr. 6.
Luggage carrier. W. V. Osborne. 1,579,238; Apr. 6.
Machine tool. J. P. Brooke. 1,579,638; Apr. 6.
Magnetic separator. R. Greaves. 1,579,354; Apr. 6.
Magneto. T. G. Louis. 1,579,331; Apr. 6.
Mail box. E. Fleming. 1,579,520; Apr. 6.
Mail box. S. C. Sherry. 1,579,665; Apr. 6.
Mailing tube. F. M. Pearson. 1,579,243; Apr. 6.
Manifold, Intake. W. J. Bliffert. 1,579,688; Apr. 6.
Manure and straw cutter. C. A. Franklin. 1,579,297; Apr. 6.
Manure spreader. G. L. and E. L. Nichols. 1,579,831; Apr. 6.
Marine propulsion device. J. H. Pierce. 1,579,834; Apr. 6.
Mask, Sanitary. H. E. Hubbell. 1,579,449; Apr. 6.
Massage device. W. Wahrt. 1,579,679; Apr. 6.
Match box. D. Nigro. 1,579,235; Apr. 6.
Matches, Composition of matter for use in treating. H. D. Schmidt. 1,579,401; Apr. 6.
Material-handling apparatus. H. F. Jones. 1,579,769; Apr. 6.
Mattress carrier. C. A. Welch. 1,579,420; Apr. 6.
Measuring and dispensing receptacle. W. M. Peaden. 1,579,390; Apr. 6.
Measuring, gauging, or the like, Machine for. A. C. Wickman. 1,580,081; Apr. 6.
Measuring instruments, Pointer for electrical. E. F. Weston. 1,579,849; Apr. 6.
Medicine. W. C. Davis. 1,580,021; Apr. 6.
Metal cleaner and polisher. B. L. Clutier. 1,579,435; Apr. 6.
Metallurgical and like processes, Operation of. F. Tharaldsen. 1,579,340; Apr. 6.
Metallurgical process. W. E. Greenawalt. 1,579,356; Apr. 6.
Meter: *See*—
Liquid meter.
Meter bill. A. Copony. 1,579,471; Apr. 6.
Milking-machine teat cups, Cleansing means for. T. Shiels. 1,579,796; Apr. 6.
Mill: *See*—
Roller mill.
Milling machine, Drill-flute-. R. Hervig. 1,579,317; Apr. 6.
Milling machine, Tenon-. F. Schlatterer. 1,579,663; Apr. 6.
Minerals, Flotation of. B. M. McAtee. 1,579,722; Apr. 6.
Mining machine. H. L. Grow. 1,579,704; Apr. 6.
Mirror support. F. W. Zink. 1,579,907; Apr. 6.
Mixer: *See*—
Drink mixer.
Mixing device. J. Kestly. 1,580,050; Apr. 6.
Mold: *See*—
Tire mold.
Molding machine and method of molding. A. E. Moorhead. 1,579,561; Apr. 6.
Molding machines, Feeding device for chocolate-. F. D. Smith. 1,579,407; Apr. 6.
Mop, Floor. D. Winters. 1,579,463; Apr. 6.
Motion, Transmitting. J. Weller. 1,579,681; Apr. 6.
Motor: *See*—
Fluid-pressure motor. Wind motor.
Wave motor.
Motors, Centralized operating mechanism for internal-combustion. C. A. Rudqvist. 1,579,398; Apr. 6.
Mowers and similar implements, Motive-power unit for driving lawn. H. J. Newton-Clare. 1,579,563; Apr. 6.
Multigraphing machines, Signature stamp for. H. T. Buck. 1,580,009; Apr. 6.
Multigraphing machines, Signature stamp for. H. T. Buck. 1,580,010; Apr. 6.
Multiple-way connection for a plurality of lines. G. Crisson. 1,579,283; Apr. 6.
Musical instrument, Stringed. P. F. Richter. 1,579,780; Apr. 6.
Necklace clasp. F. B. Wendel. 1,579,983; Apr. 6.
Needles, Container for storing medical injection. O. Hasselmann. 1,580,104; Apr. 6.
Nut-castellating mechanism. E. J. Moeller. 1,579,829; Apr. 6.
Nut lock. D. G. Kerr. 1,579,620; Apr. 6.
Nut, Snap-on. E. E. Lundberg. 1,579,875; Apr. 6.
Oil burner. J. F. Kapinos. 1,579,816; Apr. 6.
Oil burner. W. H. Miller. 1,579,881; Apr. 6.
Oil-burning apparatus. F. H. Stanard. 1,580,091; Apr. 6.
Oil cakes, Machine for forming. C. W. Hoover. 1,579,480; Apr. 6.
Oil stove. R. Hoffman. 1,579,318; Apr. 6.
Oil strainer. G. W. Blakesley. 1,579,205; Apr. 6.
Oil, Treating. G. Egloff. 1,579,601; Apr. 6.
Oils and making the same, Purifying and decolorizing agent for. H. L. Kauffman. 1,579,326; Apr. 6.
Oils, Refining. R. Wiles. 1,579,799; Apr. 6.
1-phenyl-2,3-dimethyl-4-dimethylamino-5-pyrazolon. G. Lockemann. 1,580,059; Apr. 6.
Optometer. W. R. Wilson. 1,579,990; Apr. 6.
Orthobenzylphenol and preparing the same. W. Kropp, W. Schranz, and W. Schulemann. 1,580,053; Apr. 6.
Oscillation generator. H. C. Snook. 1,579,894–5; Apr. 6.
Oxide and carbonate of zinc, Process for treating crude. W. T. Gidden and W. G. Ragg. 1,579,302; Apr. 6.
Packaged goods, Sterilizing. A. R. Thompson. 1,579,676; Apr. 6.
Packing. C. J. Witherup. 1,579,272; Apr. 6.
Pad: *See*—
Adjustable pad.
Padlock. F. E. Best. 1,579,632; Apr. 6.
Paintbrush, Fountain. W. C. Seitz. 1,579,568; Apr. 6.
Painter, Greenhouse-bar. R. S. Thompson. 1,579,578; Apr. 6.
Pan: *See*—
Dustpan.
Paper and like materials, Method and apparatus for defibering. O. C. Winestock. 1,579,461; Apr. 6.
Paper box. M. B. Claff. 1,579,646; Apr. 6.
Paper cups, Machine for removing contents of. O. C. Hoffman and J. J. Dunn. 1,579,612; Apr. 6.
Paper-hanging device. R. Parks. 1,579,242; Apr. 6.
Paper, Marbleizing. J. Lecjaky. 1,579,872; Apr. 6.
Paper or the like, Cover. W. S. Fowler. Des. 69,829; Apr. 6.
Paper, Starting device for packed folder. L. J. Arms. 1,579,429; Apr. 6.
Paper webs into single sheets, Cutting up continuous. A. E. Ryberg. 1,579,786; Apr. 6.
Paper, Wrapping. A. B. McIntire. Des. 69,846; Apr. 6.
Paving block. A. R. Wells. 1,579,982; Apr. 6.
Peeler, Vegetable. B. P. Kools. 1,579,771; Apr. 6.
Pen, Fountain. J. Holtzman. 1,579,937; Apr. 6.
Pen, Fountain. H. J. Upton. 1,580,093; Apr. 6.
Permutation lock. F. Schara. 1,579,250; Apr. 6.
Phonograph. C. I. Hall. 1,580,037; Apr. 6.
Phonographs, Multiple-record player for. P. Kosecki and H. A. Carlson. 1,579,871; Apr. 6.
Photo easel. S. Stuckey. 1,579,578; Apr. 6.
Photographic apparatus, Plate-carrying frame for. J. L. Baille. 1,579,345; Apr. 6.
Photographically-sensitive resist compound. C. E. Tebbs and J. Helfrich. 1,579,898; Apr. 6.
Photographs, Producing colored. J. G. Zimmerman. 1,579,464; Apr. 6.
Piano-playing-device damper control. H. K. Sandell. 1,579,794; Apr. 6.
Piano-playing-device expression control. H. K. Sandell. 1,579,793; Apr. 6.
Pianos, Cleaning device for player. F. F. Kramer, jr. 1,579,714; Apr. 6.
Picture, Changing. H. M. Russell. 1,579,249; Apr. 6.
Picture frame. M. Stojak. Des. 69,853–4; Apr. 6.
Picture-hanging device. H. Grothe. 1,579,357; Apr. 6.
Picture-projecting machine, Film-handling mechanism for motion-. P. Roble. 1,579,953; Apr. 6.
Pictures, Apparatus for producing stereoscopic moving. R. W. Tully. 1,579,974; Apr. 6.
Pictures, Electrical transmission of. E. F. Watson. 1,579,263; Apr. 6.
Pin tube. W. S. Hunkins. 1,579,939; Apr. 6.
Pin, Wrist. O. Teel. 1,579,969; Apr. 6.
Pipe. E. Ropp. 1,579,735; Apr. 6.
Pipe. A. Smith. 1,579,254; Apr. 6.
Pipe hanger. C. C. Tomkinson. 1,579,418–19; Apr. 6.
Pistol holder. M. N. Ludlow. 1,579,553; Apr. 6.
Pistols or revolvers, Holder for. M. N. Ludlow. 1,579,552; Apr. 6.
Piston construction. S. Hibasco. 1,580,042; Apr. 6.
Piston ring. H. Miller. 1,580,067; Apr. 6.
Piston ring. H. W. Stuver. 1,580,092; Apr. 6.
Pitcher or the like. C. E. Bultman. Des. 69,815; Apr. 6.

Plate or similar article of manufacture. M. H. Connor. Des. 69,818; Apr. 6.
Plug cap, Electric. T. A. Both. Des. 69,813; Apr. 6.
Plug gauge, Micrometric. G. Poncet. 1,579,334; Apr. 6.
Plugs, Lock for. G. S. Collins. 1,580,016; Apr. 6.
Polishing apparatus. T. H. Clarkson-Jones. 1,579,809; Apr. 6.
Pontoon. P. G. Zimmermann, and B. V. Korvin-Kroukovsky. 1,579,906; Apr. 6.
Pots and kettles, Handle for. F. Rau. 1,579,489; Apr. 6.
Pots, Tea and coffee holder for. S. Borgnis. 1,579,636; Apr. 6.
Powders, Drying smokeless. J. Vickery and M. H. Davis. 1,579,262; Apr. 6.
Preparation useful in the treatment of eczema. E. Muehlberg. 1,579,562; Apr. 6.
Press: *See*—
Hay press.
Primary battery. M. L. Martus, E. H. Becker, and J. G. Ross. 1,579,558; Apr. 6.
Print drier. L. N. Haines and E. Irwin. 1,579,527; Apr. 6.
Printing with printing rollers, Method of and apparatus for combination. J. J. Bauer. 1,579,910; Apr. 6.
Processing apparatus, Automatic. F. D. Chapman. 1,579,517; Apr. 6.
Projecting apparatus, Shadow-. A. R. Meissner and H. H. Byrne. 1,579,880; Apr. 6.
Pulp, Treating. W. D. Gregor, W. M. Osborne, and A. J. Kemzura. 1,579,525; Apr. 6.
Pump, Air or gas lift. H. H. Gracey. 1,579,666; Apr. 6.
Pump, Double-acting air. A. Johnson. 1,579,321; Apr. 6.
Pump, Double-stroke deep-well. G. E. Willers. 1,579,587; Apr. 6.
Pump, Oil-well. J. O. Pearson. 1,579,734; Apr. 6.
Pump, Portable spray. W. T. Hayden. 1,579,316; Apr. 6.
Pump, Rotary. I. D. Geiger. 1,580,032; Apr. 6.
Pumping mechanism. Long-stroke. M. T. Archer and J. R. Mahan. 1,579,908; Apr. 6.
Pumping system. F. D. Holdsworth. 1,579,617; Apr. 6.
Pumping system. D. H. Hunter. 1,579,616; Apr. 6.
Pumps and the like, Jack for. D. K. Cason, jr. 1,579,514; Apr. 6.
Pumps for viscous liquids, Expansion vessel for use in rotary. C. Sandoz. 1,579,891; Apr. 6.
Pumps, Relief mechanism for fuel. P. L. Scott. 1,579,458; Apr. 6.
Purse, Vanity. N. Kasdan and D. Pollack. Des. 69,837; Apr. 6.
Rack: *See*—
Display rack. Shoe rack.
Rack and shelf bracket, Combined. E. McKenzie. 1,579,556; Apr. 6.
Radiator core. I. Simon. 1,579,963; Apr. 6.
Radiators, Condenser for. W. Reynolds. 1,579,393; Apr. 6.
Radio amplifying receiver. P. Gavin. 1,579,605; Apr. 6.
Radio log and indicating device. F. D. Blair. 1,579,501; Apr. 6.
Radio sets, Remote control for. R. M. Sanders. 1,580,088; Apr. 6.
Radio system, Multiplex. H. F. Elliott and J. A. Miller. 1,579,921; Apr. 6.
Radiotransmitter. A. Haddock. 1,579,930; Apr. 6.
Radio wiring set. A. W. Hornig. 1,579,614; Apr. 6.
Rail guard and means for applying the same. E. Di Spirito. 1,579,859; Apr. 6.
Rail joint. G. Godula. 1,579,924; Apr. 6.
Rail, Track. H. B. Unruh. 1,579,976; Apr. 6.
Railway-crossing signal. J. Hatcher. 1,579,315; Apr. 6.
Railway gate and signal. W. G. Joy. 1,580,048; Apr. 6.
Railway tie and joint. S. Edwards. 1,579,860; Apr. 6.
Railway-track crossings, Covering for. H. Güsmer. 1,580,035; Apr. 6.
Railway wagons, Apparatus for tipping. F. G. Mitchell. 1,580,068; Apr. 6.
Range, Determining. L. B. Sperry. 1,579,670; Apr. 6.
Razor. R. E. Thompson. 1,579,577; Apr. 6.
Razor blades, Holder for safety-. R. L. Armstrong. 1,579,430; Apr. 6.
Razor, Safety. R. H. Smith. 1,579,844; Apr. 6.
Razor, Safety. W. F. von Hammerstein. 1,579,459; Apr. 6.
Reamer wrench. B. G. Sears. 1,579,795; Apr. 6.
Recorder: *See*—
Fluid-pressure recorder.
Reflector holder. J. C. Herron. 1,579,936; Apr. 6.
Refractometer. O. Henker. 1,579,532; Apr. 6.
Refrigerating apparatus. A. I. Mitchell. 1,579,451; Apr. 6.
Refrigerating coil. J. R. Bernd, sr. 1,580,000; Apr. 6.
Refrigerating systems, Apparatus for purging. T. Shipley. 1,579,405; Apr. 6.
Register casing. W. Fuhrmann. Des. 69,830; Apr. 6.
Registering device. F. E. Tobin. 1,579,580; Apr. 6.
Registering machines, Distinguishing means for keys and dials of. W. S. Gubelmann. 1,579,929; Apr. 6.
Relay. J. S. Garvin. 1,579,801; Apr. 6.
Relay. E. J. Pratt. 1,579,887; Apr. 6.
Resonance indicator. R. A. Helsing. 1,579,935; Apr. 6.
Rheostat. F. H. Bullinger. 1,579,347; Apr. 6.
Rheostat. M. Klosner. 1,579,215; Apr. 6.
Rifles, Searchlight attachment for. R. C. G. Staats-Oels. 1,579,671; Apr. 6.
Ring: *See*—
Piston ring.
Ring. M. Goldberg and B. Katz. Des. 69,831; Apr. 6.
Road-working device. G. C. Brown. 1,579,509; Apr. 6.
Rocking gate, Vehicle-operated. H. H. Wolff. 1,579,588; Apr. 6.
Rodent destroyer. F. L. Bushong. 1,579,512; Apr. 6.
Roll changers and the like, Speed-indicating mechanism for. B. C. White. 1,579,683; Apr. 6.
Roller guide for flap cutting and building machines. J. E. Perrault. 1,579,657; Apr. 6.
Roller mill. A. Becker and O. Stark. 1,579,998; Apr. 6.
Rollers, Process and apparatus for grinding. H. Lutz. 1,579,876; Apr. 6.
Roof covering. F. J. Ballintine. 1,580,096; Apr. 6.
Roof jack. F. Fagg. 1,580,027; Apr. 6.
Rotary engine. P. H. MacNeill. 1,579,226; Apr. 6.
Rubber dam. S. S. Haudenshield. 1,579,608; Apr. 6.
Rug. S. B. Dickinson. Des. 69,822–4; Apr. 6.
Ruler. O. Gottschalk. 1,579,702; Apr. 6.
Ruler and book holder, Combined. W. C. Cortelyou. 1,579,438; Apr. 6.
Sadiron, Electric. M. Murphy. Re16,309; Apr. 6.
Safety mechanism. E. H. Remde. 1,579,455; Apr. 6.
Salt and pepper shaker. A. J. Flauder. Des. 69,828; Apr. 6.
Salt and pepper shaker, Combined. L. Shaw. 1,579,892; Apr. 6.
Scale, Automatic weighing. A. Lowndes. 1,579,219; Apr. 6.
Scale, Car-weighing. J. D. Pugh. 1,579,658; Apr. 6.
Scale, Weighing. E. L. Blick. 1,579,635; Apr. 6.
Scale, Weighing. H. O. Hem. 1,579,609; Apr. 6.
Scraper. E. J. Doberstein. 1,579,475; Apr. 6.
Scraper. G. W. Packer. 1,579,566; Apr. 6.
Scraper. L. E. A. Stroud. 1,579,495; Apr. 6.
Screen fastener and protector. C. M. Haddox. 1,579,445; Apr. 6.
Screen pipe, Making. R. A. Steps. 1,579,846; Apr. 6.
Screw jack, Self-lowering. F. H. Schwerin. 1,579,788; Apr. 6.
Scythe. H. H. Wempe. 1,579,422; Apr. 6.
Sealing leading-in conductor. H. W. Banta. 1,579,626; Apr. 6.
Sealing machine, Receptacle-. E. J. Conley and E. J. Whalen. 1,579,690; Apr. 6.
Self-closing sister hook. A. W. Smith. 1,579,843; Apr. 6.
Separator: *See*—
Gravity separator.
Septic tanks, Apparatus for molding. W. T. Bidwell. 1,579,634; Apr. 6.
Serving material upon a core, Method of and apparatus for. J. Janicki. 1,579,709; Apr. 6.
Sewing machine. A. M. Hess. 1,579,533; Apr. 6.
Sewing machine. W. B. Long and N. E. Hanson. 1,579,550; Apr. 6.
Sewing-machine-needle guard. S. C. Bray. 1,580,005; Apr. 6.
Sewing machines, Clamp-spreading mechanism for buttonhole-. E. B. Allen. 1,579,201; Apr. 6.
Sewing machines, Thread cutter for. E. B. Allen. 1,579,200; Apr. 6.
Shade, curtain, and drapery hanger, Adjustable. L. H. Robinson. 1,579,394; Apr. 6.
Shaft coupling, Flexible. E. B. Sweney. 1,579,967; Apr. 6.
Shaper. W. J. Struewing. 1,579,847; Apr. 6.
Sharpening device, Lead-. E. Thoresen. 1,579,972; Apr. 6.
Shears and the like, Handhold jacket for power-operated sheep. F. G. Bristow. 1,579,507; Apr. 6.
Sheet separating and feeding apparatus. S. Cooper. 1,579,469; Apr. 6.
Sheets, Method and machine for folding. S. Cooper. 1,579,468; Apr. 6.
Shells, Drilling apparatus for. H. A. Stillwell. 1,579,896; Apr. 6.
Shingle clip. B. C. Kridler and J. C. Boyle. 1,579,715; Apr. 6.
Shingle, Metallic. W. H. Finkeldey and W. M. Peirce. 1,579,693; Apr. 6.
Shock absorber. C. N. Mitchell. 1,579,727; Apr. 6.
Shoe rack, Knockdown. E. G. Sherman. 1,579,960; Apr. 6.
Shoes, Manufacture of canvas-upper. D. A. Cutler. 1,579,650; Apr. 6.
Shovel: *See*—
Excavating and scoop shovel.
Shutter, Rolling. M. L. Cornell. 1,579,915; Apr. 6.
Shutter, Slat for metallic rolling. J. C. Raper. 1,579,839; Apr. 6.
Shuttle. C. M. Stone and W. H. Spencer. 1,579,572; Apr. 6.
Shuttle-feeler thread cutter and clamp. E. S. Moore. 1,580,087; Apr. 6.
Sign, Advertising. R. M. Craig. 1,579,597; Apr. 6.
Signal: *See*—
Electric semaphore signal. Vehicle signal.
Railway-crossing signal.
Signal relay system. J. Wiseman and A. Cunningham. 1,579,427; Apr. 6.

Signal, Switch for automatic. B. C. Moll. 1,579,559; Apr. 6.
Signals, Reception of. E. Singer. 1,579,253; Apr. 6.
Sill reenforcement, Center-. J. P. Gallagher. 1,579,699; Apr. 6.
Sill reenforcement, Intermediate-. J. P. Gallagher. 1,579,700; Apr. 6.
Sinks, Splash-guard. J. J. Leighton. 1,579,374; Apr. 6.
Smoking device. A. D. Grant. 1,579,703; Apr. 6.
Socket wrench. L. J. Bowman. 1,579,593; Apr. 6.
Sorting and cutting machine. W. De Back. 1,579,598; Apr. 6.
Sound waves, Diaphragm for the reception and conversion of. W. L. Walker. 1,579,460; Apr. 6.
Spark plug. G. E. Bankhart. 1,579,625; Apr. 6
Spider, Releasable. J. Grant. 1,580,099; Apr. 6.
Splice bar, Stress-balancing. B. G. Braine. Re16,311; Apr. 6.
Spool, Chalk-line. T. J. Oxner. 1,579,886; Apr. 6.
Spotlight. W. F. Williams. 1,579,424; Apr. 6.
Spouts, Individual bridge wall for flow. G. E. Henning. 1,579,364; Apr. 6.
Spraying machine. J. C. Hull. 1,579,319; Apr. 6.
Spring: *See*—
Vehicle spring.
Spring-coiling machine. T. C. Kaseberg. 1,579,325; Apr. 6.
Spring-coiling machine. J. M. Rohling. 1,579,247; Apr. 6.
Spring-suspension system. A. F. Shore. Re16,310; Apr. 6.
Spring-upholstered cushion. A. H. Lichter. 1,579,873; Apr. 6.
Squeegee mounting. P. Jenkins. 1,579,941; Apr. 6.
Stand: *See*—
Display stand.
Steam-shovel structure, Track links for. H. J. Barnhart. 1,579,499; Apr. 6.
Steam veneer drier. J. T. Atkinson and M. A. Thrasher. 1,579,994; Apr. 6.
Steering column. B. J. Grigsby. Re16,312; Apr. 6.
Stereoplates, Machine for casting. C. Winkler. 1,579,991; Apr. 6.
Stirrer. H. L. Johnston. 1,579,323; Apr. 6.
Stokers, Ram-box mechanism for. O. Aram. 1,579,746; Apr. 6.
Stove, W. L. Gregg. 1,579,524; Apr. 6.
Stove, Heating. E. F. Diekmann. Des. 69,825; Apr. 6.
Strainer. L. Merriman. 1,580,065; Apr. 6.
Strainer. P. J. Piccirilli. 1,579,485; Apr. 6.
Strainer, Float. W. L. Deming. 1,579,917; Apr. 6.
Strand about a core, Apparatus and method for whipping. W. S. Yale. 1,579,274; Apr. 6.
Strand or cord working mechanism. F. S. Kochendorfer and J. N. Selvig. 1,579,217; Apr. 6.
Strand-whipping mechanism. C. O. Haase. 1,579,313; Apr. 6.
Stringed instruments, Fingering device for. H. K. Sandell. 1,579,790; Apr. 6.
Stringed instruments, Peg for. M. O. Wickes. 1,579,987; Apr. 6.
Stringed instrument, Self-playing. H. K. Sandell. 1,579,792; Apr. 6.
Stringed instruments, Tremolo device for self-playing. H. K. Sandell. 1,579,791; Apr. 6.
Submarines, Device for locating and raising sunken. L. T. Gardner. 1,579,760; Apr. 6.
Suction bracket. M. Howe. 1,579,615; Apr. 6.
Sugar, Preservation of. W. L. Owen. 1,579,387; Apr. 6.
Suitcase. M. Spelrein. 1,579,668; Apr. 6.
Supporter. H. Z. Tillotson. 1,579,410; Apr. 6.
Supporting rest. S. Wieder and E. Muller. 1,579,585; Apr. 6.
Surgical instrument. M. M. Marbel. 1,579,379; Apr. 6
Swimming apparatus. H. Oishi. 1,579,885; Apr. 6.
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Switch: *See*—
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Switch plate. F. H. Auld. Des. 69,811; Apr. 6.
Switching device. F. M. Goddard. 1,579,304; Apr. 6.
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Switching device, Electric. J. L. Milton. 1,579,232; Apr. 6.
Synchronizer. H. J. Murray. 1,579,728; Apr. 6.
Table. E. N. Langguth. 1,579,823; Apr. 6.
Tablet and the like, Price. C. L. Gerold. 1,579,863; Apr. 6.
Tags in superimposed relation, Machine for assembling marking. F. Laencher. 1,580,054; Apr. 6.
Take-up block. C. A. Johnson. 1,579,450; Apr. 6.
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Tar water, Treating. C. Schneider. 1,579,957; Apr. 6.
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Telephone-exchange system. H. W. O'Neill. 1,579,236; Apr. 6.
Telephone system. H. W. O'Neill. 1,579,731; Apr. 6.
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Tempering tools and the like, Apparatus for. E. E. Jacobs and M. Kames. 1,579,866; Apr. 6.
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Thread-rolling die and producing same. J. H. Graham. 1,579,308; Apr. 6.
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Time-recording apparatus. H. W. Cole and S. C. McGill. 1,579,595; Apr. 6.
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Timers. L. Reuter. 1,580,102; Apr. 6.
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Tire flaps or the like, Apparatus for curing. O. J. Kuhlke. 1,579,718; Apr. 6.
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Viscose silk in a vacuum, Treating. A. Klimpf. 1,579,711; Apr. 6.
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Water circulation in water-tube boilers, Controlling. F. Lösel. 1,579,773; Apr. 6.
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Water, Process and apparatus for purifying boiler-feed. O. Günther. 1,579,444; Apr. 6.
Waterproofing compound and manufacturing the same. C. D. Shaffer. 1,579,493; Apr. 6.
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Weighing machine. S. G. Murray. 1,579,452; Apr. 6.
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Window and screen construction, Double. J. J. Veno. 1,579,848; Apr. 6.
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Windshield cleaner. F. W. Stewart. 1,579,571; Apr. 6.
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Wire-drawing machine. J. W. Lauren. 1,579,373; Apr. 6.
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Wire tightener and splicer. A. H. Wilcox. 1,579,988; Apr. 6.
Wires, Outlet for. V. G. Jensen. 1,579,618; Apr. 6.
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CLASSIFICATION OF PATENTS

ISSUED APRIL 6, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

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26: 1,579,880
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89— 40: 1,579,484
90— 11: 1,579,638
12.5: 1,579,739
13.9: 1,579,317
14: 1,580,007
56: 1,580,029
91— 14: 1,579,740
39: 1,579,568
1,579,578
67.4: 1,580,070
68: 1,579,264
1,579,729
1,579,872
92— 7: 1,579,261
20: 1,579,461
44: 1,579,204
93— 54: 1,579,467
58: 1,579,738
94— 13: 1,579,982
95— 2: 1,579,464
5.7: 1,579,898
66: 1,579,345
94: 1,579,399
96— 3: 1,579,697
97— 10: 1,579,406
40: 1,579,277
125: 1,579,408
144.1: 1,578,845
98— 22: 1,579,543
27: 1,579,804
99— 8: 1,580,064
10: 1,579,447
100— 20: 1,579,777
25: 1,580,095
51: 1,579,480
101— 26: 1,579,758
132: 1,579,439
178: 1,579,910
376: 1,580,009
379: 1,580,010
398: 1,579,694
103— 96: 1,580,032
165: 1,579,734
200: 1,579,587
218: 1,579,316
221: 1,579,423
223: 1,579,891
232: 1,579,606
1,579,616
146: 1,579,617
104— 238: 1,579,202
105— 161: 1,579,477
186: 1,580,103
204: 1,579,208
276: 1,579,821
364: 1,579,269
404: 1,579,673
414: 1,579,699
420: 1,579,700
106— 24: 1,579,611
107— 1: 1,579,407
108— 5.4: 1,579,899
1,579,901
8: 1,580,096
17: 1,579,693
33: 1,579,715
110— 8: 1,579,642
110— 44: 1,579,746
72: 1,579,384
78: 1,580,028
171: 1,579,775
175: 1,579,368
411: 1,579,533
112— 2: 1,579,533
74: 1,579,201
162: 1,579,550
252: 1,579,200
261: 1,580,005
113— 59: 1,579,690
114—16.5: 1,579,760
115— 1: 1,579,943
17: 1,579,834
34: 1,579,529
116— 48: 1,579,555
52: 1,579,516
129: 1,579,576
1,579,849
133: 1,579,501
117— 16: 1,579,769
43: 1,579,709
118— 18: 1,579,257
119— 44: 1,579,350
120— 8: 1,579,978
24: 1,579,465
46: 1,579,937
47: 1,580,093
91: 1,579,972
121— 24: 1,579,404
32: 1,579,542
45: 1,580,094
71: 1,579,226
149: 1,580,077
187: 1,579,296
122— 4: 1,579,868
94: 1,580,063
406: 1,579,773
412: 1,579,312
451.2: 1,579,526
123— 11: 1,579,207
33: 1,579,351
51: 1,579,664
52: 1,579,688
53: 1,579,332
80: 1,579,425
1,579,426
90: 1,579,759
113— 59: 1,579,690
114—16.5: 1,579,760
115— 1: 1,579,943
17: 1,579,834
34: 1,579,529
138— 9: 1,579,913
139— 116: 1,579,858
213: 1,579,572
264: 1,580,087
305: 1,579,346
369: 1,580,084
408: 1,579,889
141— 1: 1,579,707
9: 1,579,569
144— 3: 1,579,594
196: 1,579,663
145— 62: 1,579,498
66: 1,579,818
146— 43: 1,579,771
81: 1,579,598
86: 1,580,008
151— 32: 1,580,015
152—11.5: 1,579,547
1,580,056
13: 1,579,817
14: 1,579,446
1,579,813
22: 1,579,674
47: 1,579,589
49: 1,579,950
153— 2: 1,579,971
65: 1,579,325
67: 1,579,247
154— 3: 1,579,293
8: 1,579,300
45.5: 1,579,272
155— 52: 1,579,281
174: 1,579,585
181: 1,579,873
156— 14: 1,579,289
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42: 1,579,318
65: 1,579,535
74: 1,579,881
76: 1,579,278
365: 1,579,310
161— 15: 1,579,595
164— 17: 1,579,786
42: 1,580,054
60: 1,579,995
166— 19: 1,579,685
167— 3: 1,579,413
4: 1,579,338
7: 1,579,826
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9: 1,579,562
169— 11: 1,579,712
170— 62: 1,579,440
171—119: 1,579,344
209: 1,579,331
252: 1,580,022
313: 1,579,505
321: 1,579,643
172— 240: 1,579,651
276: 1,579,286
173— 263: 1,579,494
330: 1,579,865
174— 177: 1,579,513
175— 183: 1,579,708
337: 1,579,232

175— 356: 1,579,955
360: 1,579,883
368: 1,579,320
369: 1,579,400
176— 36: 1,579,626
177— 329: 1,579,853
1,580,013
337: 1,579,877
178— 3: 1,579,999
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58: 1,579,211
71: 1,579,427
179— 6.3: 1,579,731
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27.5: 1,579,836
78: 1,579,216
116: 1,579,605
119: 1,579,392
1,579,864
156: 1,579,412
170: 1,579,229
180— 9.2: 1,579,372
12: 1,579,563
53: 1,580,043
64: 1,579,592
77: 1,579,383
78: R.16,312
181— 0.5: 1,579,460
183— 7: 1,579,462
30: R.16,315
115: 1,579,348
184— 4: 1,579,343
103: 1,579,586
104: 1,579,231
105: 1,579,653
187— 52: 1,579,754
188— 4: 1,579,478
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97: 1,579,635
134: 1,579,292
199: 1,579,920
264: 1,580,003
189— 56: 1,579,839
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190— 49: 1,579,774
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191— 55: 1,579,336
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192— 2: 1,579,455
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53: 1,579,728
68: 1,579,359
85: 1,579,540
113: 1,579,381
139: 1,579,549
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194— 1: 1,579,208

196— 8: 1,579,799
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1,579,601
197— 123: 1,579,749
198— 12: 1,579,704
21: 1,579,545
214: 1,579,970
199— 52: 1,579,812
200— 5: 1,579,745
8: 1,579,304
17: 1,579,687
19: 1,580,066
22: R.16,313
26: 1,580,102
49: 1,580,047
59: 1,579,431
67: 1,579,361
90: 1,579,870
91: 1,579,237
93: 1,579,887
94: 1,580,025
97: 1,579,602
104: 1,579,301
122: 1,579,255
135: 1,579,596
141: 1,579,986
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49: 1,579,199
55: 1,579,215
204— 10: 1,579,356
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64: 1,579,824
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205— 16: 1,579,373
206— 7: 1,579,417
15.1: 1,579,958
33: 1,579,235
43: 1,580,104
57: 1,579,429
208— 35: 1,580,041
38: 1,579,441
102: 1,579,979
209— 20: 1,579,660
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170: 1,579,722
223: 1,579,354
422: 1,579,448
469: 1,579,993
210— 97: 1,579,917
164: 1,580,065
165: 1,579,205
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211— 2: 1,579,814
14: 1,580,061
17: 1,579,960
24: 1,579,686
1,579,720
25: 1,580,052
212— 142: 1,579,962
213— 57: 1,579,500
221: 1,579,244
214— 1.1: 1,579,612
51: 1,579,927

214— 52: 1,580,068
65: 1,580,073
215— 38: 1,579,411
1,579,762
44: 1,579,942
73: 1,579,996
216— 7: 1,579,242
217— 17: 1,579,640
56: 1,579,755
76: 1,579,378
218— 15: 1,579,487
219— 4: 1,579,721
8: 1,580,020
21: 1,579,882
25: R.16,309
34: 1,579,402
1,580,090
36: 1,579,476
37: 1,579,732
220— 1: 1,579,633
15: 1,579,584
24: 1,579,421
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39: 1,580,016
42: 1,579,548
44: 1,579,270
46: 1,579,672
55: 1,579,224
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221— 60: 1,580,069
223— 18.3: 1,579,710
19: 1,579,385
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68: 1,579,349
224— 1: 1,579,553
29: 1,579,238
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49: 1,579,420
74: 1,579,390
225— 21: 1,580,085
23: 1,579,646
226— 40: 1,579,947
99: 1,579,434
228— 18: 1,579,701
38: 1,579,574
229— 93: 1,579,243
230— 13: 1,579,259
24: 1,579,781
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27: 1,579,321
232— 17: 1,579,665
19: 1,579,520
234— 20: 1,579,415
235— 60: 1,579,544
1,579,929
61: 1,579,741
70: 1,579,706
91: 1,579,580
236— 78: 1,579,914
237— 12: 1,579,314
53: 1,579,230
238— 8: 1,580,035
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36: 1,579,860

239— 208: 1,579,924
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240— 2: 1,579,305
6.4: 1,579,671
8.22: 1,579,855
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48.6: 1,579,442
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62: 1,579,541
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7: 1,579,375
242— 7: 1,579,274
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1,579,696
9: 1,580,086
13: 1,579,808
55: 1,579,470
71: 1,579,752
78: 1,579,450
96: 1,579,886
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158: 1,579,923
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1,579,906
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14: 1,579,656
21: 1,579,684
22: 1,579,473
25: 1,579,655
29: 1,579,370
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293: 1,579,315
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247— 6: 1,579,618
248— 18: 1,579,556
20: 1,579,552
26: 1,579,904
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31: 1,579,290
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38: 1,579,275
39: 1,579,615
58: 1,579,627
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249— 4: 1,579,219
19: 1,579,452
250— 2: 1,579,669
6: 1,579,299
9: 1,579,921
14: 1,579,614
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27: 1,579,944
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34: 1,579,212
35: 1,579,779

250— 36: 1,579,894
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61: 1,579,800
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252— 2: 1,579,326
253— 4: 1,579,723
254— 68: 1,579,539
78: 1,579,579
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103: 1,579,788
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255— 11: 1,579,667
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25: 1,579,393
130: 1,579,993
248: 1,580,000
259— 95: R.16,314
113: 1,579,878
135: 1,579,590
144: 1,579,323
260— 45: 1,580,059
61: 1,580,062
106: 1,580,012
123: 1,579,248
154: 1,580,053
261— 1: 1,578,403
78: 1,579,329
88: 1,579,807
93: 1,579,355
262— 7: 1,580,001
263— 43: 1,580,080
265— 1: 1,579,273
40: 1,579,658
45: 1,579,552
71: 1,579,609
266— 6: 1,579,866
8: 1,579,340
267— 10: 1,579,727
28: R.16,310
29: 1,579,756
37: 1,579,428
45: 1,579,797
268— 4: 1,579,726
9: 1,579,751
270— 45: 1,579,468
58: 1,579,469
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271— 2.1: 1,579,657
272— 27: 1,580,040
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273— 7: 1,579,730
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134: 1,579,327

278— 147: 1,579,341
148: 1,579,276
274— 2: 1,580,037
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45: 1,579,862
275— 2: 1,579,581
3: 1,579,831
86: 1,580,046
280— 84: 1,579,699
89: 1,579,504
96.1: 1,579,472
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153: 1,579,623
281— 44: 1,579,438
138: 1,579,575
283— 60: 1,579,682
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285— 22: 1,579,648
71: 1,579,474
286— 6: 1,579,271
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290— 38: 1,579,398
292— 19: 1,579,619
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164: 1,579,467
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298: 1,579,298
293— 55: 1,579,521
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1,579,621
1,579,928
294— 64: 1,579,744
82: 1,579,851
104: 1,580,063
113: 1,580,100
295— 6: 1,579,984
30: 1,579,214
296— 1: 1,579,570
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48: 1,579,644
52: 1,579,603
95: 1,580,023
1,579,675
299— 45: 1,579,319
84: 1,579,869
301— 63: 1,579,328
64: 1,580,011
303— 1: 1,579,352
54: 1,579,940
304— 20: 1,580,027
27: 1,580,049
305— 9: 1,579,245
10: 1,579,499
306— 184: 1,579,798
207: 1,579,737

April 13, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abonita Company, Inc., Chicago, Ill. Toilet powders. 211,477; Apr. 13; Serial No. 223,953; published Jan. 26, 1926.

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Plant preventives, fungicides, and insecticides. 211,464; Apr. 13; Serial No. 210,992; published Jan. 19, 1926.

Addressograph Company, Chicago, Ill. Machines for printing addresses or other matter. 54,697; renewed June 26, 1926.

Aktiebolaget Göranssons Makaniska Verkstad Limited, Stockholm, Sweden, assignor to Rossel, Schwarz & Co. Aktiengesellschaft, Weisbaden, Germany. Gymnastic apparatus and medical appliances. 27,894; renewed Dec. 3, 1925.

Alaska Packers Association, San Francisco, Calif. Canned salmon. 53,738; renewed June 12, 1926.

Alcone Knitting Mills, San Francisco, Calif. Knitted sport coats, outer skirts, scarfs, hosiery, etc. 211,542; Apr. 13; Serial No. 219,664; published Feb. 2, 1926.

Alexander Milling Company, The, Winfield, Kans. Wheat flour. 211,643; Apr. 13; Serial No. 221,470; published Jan. 26, 1926.

Allied Belting Company, The, Greenville, Ohio. News bags made from cotton material. 211,657; Apr. 13; Serial No. 203,925; published Feb. 2, 1926.

Aloe, A. S., Co., St. Louis, Mo. Saws. 211,431; Apr. 13; Serial No. 223,354; published Jan. 26, 1926.

Aloe, A. S., Co., St. Louis, Mo. Cement mixers. 211,432; Apr. 13; Serial No. 223,353; published Jan. 26, 1926.

American Belting & Hose Co., Portland, Oreg. Pulleys. 211,453; Apr. 13; Serial No. 210,030; published Jan. 19, 1926.

American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing gum. 53,532; renewed June 5, 1926.

American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing gum. 53,534; renewed June 5, 1926.

American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing gum. 54,506; renewed June 26, 1926.

American Chicle Company, assignor to Caleb Crawford Company, Long Island City, N. Y. Antiseptic chewing gum. 211,429; Apr. 13; Serial No. 223,072; published Jan. 12, 1926.

American Chicle Company, assignor to Caleb Crawford Company, Long Island City, N. Y. Chewing gum. 211,635; Apr. 13; Serial No. 223,073; published Jan. 19, 1926.

American Fashion Company, New York, N. Y. Monthly periodicals. 211,608; Apr. 13; Serial No. 222,907; published Jan. 12, 1926.

American Iron & Steel M'f'g Co., Lebanon and Reading, to Bethlehem Steel Company, Bethlehem, Pa., successor. Railway-track bolts. 49,089; renewed Jan. 23, 1926.

American Spotless Street System, Inc., Petersburg, Va. Metal street waste receptacles. 211,661; Apr. 13; Serial No. 223,200; published Feb. 2, 1926.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Woven-wire fencing. 211,402; Apr. 13; Serial No. 224,943; published Feb. 2, 1926.

American Stores Company, Philadelphia, Pa. Ammonia and bluing. 211,484; Apr. 13; Serial No. 220,831; published Jan. 19, 1926.

American Woolen Company, assignor to American Woolen Company, Boston, Mass. Woolen cloths. 50,166; renewed Mar. 6, 1926.

Anderson, George G., New York, N. Y. Tonic for dogs. 211,580; Apr. 13; Serial No. 223,760; published Jan. 26, 1926.

Antonoff & Shein Inc., New York, N. Y. Boys' vests, suits, and topcoats. 211,626; Apr. 13; Serial No. 222,910; published Feb. 2, 1926.

Antrol Laboratories, Inc., The, Los Angeles, Calif. Snail-control meal. 211,521; Apr. 13; Serial No. 223,985; published Jan. 26, 1926.

Apollinaris Brunnen Actien Gesellschaft. (See Die Actiengesellschaft Apollinaris Brunnen.)

Automatic Paper Machinery Company, Inc., Hilton, N. J. Waxed paper. 211,619; Apr. 13; Serial No. 222,299; published Jan. 19, 1926.

B. B. B. Pipe Co. (See Frankau, Adolph, & Co. Ltd., assignor.)

Baby Betty Apron Company, Chicago, Ill. Slip-on aprons and underwaists. 211,480; Apr. 13; Serial No. 222,059; published Dec. 8, 1925.

Bakelite Corporation, New York, N. Y. Clutch facings, brake linings, bushings, and washers. 211,613; Apr. 13; Serial No. 222,430; published Feb. 2, 1926.

Bamberger, L., & Company, Newark, N. J. Coats, suits, dresses, and furs. 211,462; Apr. 13; Serial No. 214,118; published Feb. 2, 1926.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Shade cloth in the piece. 211,676; Apr. 13.

Barrett, William L., Bristol, Conn. Glass cutters. 54,240; renewed June 26, 1926.

Bates, Josephine A., Springfield, Mass. Furnishings—namely, ornamental novelties. 211,492; Apr. 13; Serial No. 216,314; published Jan. 26, 1926.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic and similar lens-holding members. 211,417; Apr. 13; Serial No. 223,076; published Jan. 12, 1926.

Beasley Harwood Shoe Co. Inc., to Beasley Shoe Company, Inc., Lynchburg, Va., successor. Leather boots and shoes. 55,020; renewed Aug. 7, 1926.

Beaver Dam Coal Company, Louisville, Ky. Coal. 211,683; Apr. 13.

Becker Tailoring Co., Cincinnati, Ohio. Men's, youths', and boys' suits, coats, pants, vests, and overcoats. 211,685; Apr. 13.

Benaderet, C., Inc., San Francisco, Calif. Cigarettes. 211,428; Apr. 13; Serial No. 223,833; published Feb. 2, 1926.

Benedikt Co. (See Rosenwald, Max.)

Berger, Albert, & Co., to Albert Berger & Co., New York, N. Y., also doing business as La Societe Albert Berger et Cie., Goetzenbruck, France. Watch glasses. 50,957; renewed Apr. 3, 1926.

Bergstrom Stove Co., assignor to Bergstrom Stove Co., Neenah, Wis. Stoves and ranges. 52,127; renewed May 1, 1926.

Berkshire Knitting Mills, Wyomissing, Pa. Ladies' full-fashioned hosiery. 211,627; Apr. 13; Serial No. 222,911; published Feb. 2, 1926.

Berliner, Jacob S., New York, N. Y. Cold-cream-impregnated tissue. 211,414; Apr. 13; Serial No. 212,850; published June 23, 1925.

Berry, Dr. C. H., Co., Chicago, Ill. Cold and cleansing cream. 211,368; Apr. 13; Serial No. 219,026; published Nov. 3, 1925.

Best & Co., Inc., New York, N. Y. Handkerchiefs. 211,535; Apr. 12; Serial No. 223,281; published Feb. 2, 1926.

Best, Ernst M., New York, N. Y. Magazine. 53,137; renewed May 29, 1926.

Bethlehem Steel Company. (See American Iron & Steel M'f'g Co.)

Boker, Carl F., assignor to H. Boker & Co., Inc., New York, N. Y. Scissors. 50,458; renewed Mar. 20, 1926.

Bosch, Henry, Company, New York, N. Y. Wall paper. 211,517; Apr. 13; Serial No. 224,186; published Jan. 12, 1926.

Brandreth Co., The, assignor to The Salvacea Company, Inc., Ossining and New York, N. Y. Certain proprietary remedy for external application to animals. 51,632; renewed Apr. 17, 1926.

Brandreth Co., The, assignor to The Salvacea Company, Inc., Ossining and New York, N. Y. Proprietary medicine. 53,199; renewed May 29, 1926.

Brandreth Co., The, assignor to The Salvacea Company, Inc., Ossining and New York, N. Y. Medical compound. 53,581; renewed June 5, 1926.

Breynaert, Cyriel, doing business as C. Breynaert Co., Medford, Mass. Cigars. 211,376; Apr. 13; Serial No. 223,161; published Feb. 2, 1926.

Britton, H. V., New York, N. Y. Hair shampoo. 211,476; Apr. 13; Serial No. 223,956; published Jan. 26, 1926.

Brown, Durrell & Co., assignor, by mesne assignments, to Brown Durrell Co., Boston, Mass. Skirts and petticoats. 52,947; renewed May 22, 1926.

Buffalo Weaving & Belting Co., Buffalo, N. Y. Woven trunk straps, razor strops, skate straps, and bag straps. 211,403; Apr. 13; Serial No. 136,391; published Nov. 24, 1925.

Bürki & Cie, Berne, Switzerland. Cheese. 211,543; Apr. 13; Ser. No. 219,225; published Jan. 26, 1926.

Byfield Snuff Co., to Byfield Snuff Company, Byfield, Mass., successor. Snuff. 50,871; renewed Apr. 3, 1926.

Canton Steel Company, Pittsburgh, Pa., to Canton Steel Company, New York, N. Y. Steel. 53,116; renewed May 29, 1926.

Carolina Baking Company, Charlotte, N. C. Bread and cake. 211,544; Apr. 13; Serial No. 218,791; published Feb. 2, 1926.

Casin, J. & Co., Inc., New York, N. Y. Gloves, underwear, and hosiery. 211,589; Apr. 13; Serial No. 223,685; published Feb. 2, 1926.

Center, George H., Duquoin, Ill. Preparation for coughs, colds, and bronchitis. 211,625; Apr. 13; Serial No. 222,063; published Jan. 26, 1926.

Central Provision Company, Wilkes-Barre, Pa. Butter, eggs, and cheese. 211,621; Apr. 13; Serial No. 222,220; published Jan. 26, 1926.
Cervelli, Guido J., doing business as Dentaglene Laboratories, San Francisco, Calif. Mouth wash and tooth powder. 211,456; Apr. 13; Serial No. 204,541; published Sept. 8, 1925.
Chase, Roberts & Company, Dobbs Ferry and Long Island City, to Chase, Roberts & Company, Long Island City, N. Y. Varnishes. 54,221; renewed June 19, 1926.
Chatillon, John, & Son, New York, N. Y. Cooks' forks, ice picks, hog scrapers, etc. 211,546; Apr. 13; Serial No. 219,378; published Feb. 2, 1926.
Chittenden & Eastman Co., to Chittenden & Eastman Company, Burlington, Iowa. Mattresses and pillows. 54,592; renewed June 26, 1926.
Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Writing paper. 55,052; renewed Aug. 7, 1926.
Collins Company, The, Collinsville, Conn. Plows and plow parts. 211,373; Apr. 13; Serial No. 222,442; published Jan. 19, 1926.
Colonial Milling Co., Nashville, Tenn. Wheat flour. 211,624; Apr. 13; Serial No. 222,110; published Dec. 22, 1925.
Concrete Publishing Company, Chicago, Ill. Magazines. 211,570; Apr. 13; Serial No. 223,688; published Jan. 19, 1926.
Connor, W. B., Co. Inc., The, New York, N. Y. Steam traps. 211,648; Apr. 13; Serial No. 220,842; published Jan. 19, 1926.
Continental Paper & Bag Mills Corporation, New York, N. Y. Tissue paper for skin-cleaning purposes. 211,545; Apr. 13; Serial No. 219,231; published Jan. 12, 1926.
Continental Tobacco Company, Inc., New York, N. Y. Cigarettes. 211,378; Apr. 13; Serial No. 223,216; published Feb. 2, 1926.
Corset Shop, The. (See Koch, Edward B.)
Crawford, Caleb, Company. (See American Chicle Company, assignor.)
Criandera Condensed Milk Company. (See Sterling, D. L., & Sons, Inc.)
Crowdus, J. W., Drug Co., The, Dallas, Tex. Whisky. 211,569; Apr. 13; Serial No. 223,690; published Feb. 2, 1926.
Crowdus, J. W., Drug Co., Dallas, Tex. Whisky. 211,578; Apr. 13; Serial No. 223,691; published Feb. 2, 1926.
Crowley, Milner & Company, Detroit, Mich. Adhesive paste. 211,634; Apr. 13; Serial No. 223,025; published Feb. 2, 1926.
Crucible Steel Company of America. (See Park Steel Company, assignor.)
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 50,642–3; renewed Mar. 27, 1926.
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 50,897–9; renewed Apr. 3, 1926.
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 52,260–1; renewed May 8, 1926.
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 52,657; renewed May 15, 1926.
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y Steel. 53,118; renewed May 29, 1926.
Curtis & Clark Hardware Company, St. Joseph, Mo Silver table cutlery. 53,140; renewed May 29, 1926
Damianakes, Nicholas P., doing business as California Peanut Co., Oakland, Calif. Sugared and salted almonds. 211,444; Apr. 13; Serial No. 217,985; published Jan. 26, 1926.
Daumi, Annie R., doing business as Madame A. Russell, New York, N. Y. Medicine for indigestion, constipation, kidney and stomach ailments. 211,467; Apr. 13; Serial No. 222,918; published Jan. 19, 1926.
Davidson, F. D., Company, Los Angeles, Calif. General cleaning preparation for furniture and such like goods. 211,509; Apr. 13; Serial No. 208,460; published Jan. 12, 1926.
De Cabanas y Carbajal, H. (See Murias y Ca., J. S., assignor.)
De Cabanas y Carbajal, H., Jersey City, N. J., and New York, N. Y. Havana cigars. 55,153; renewed Aug. 7, 1926.
De Laval Separator Company, The, New York, and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Centrifugal liquid separators. 52,583; renewed May 15, 1926.
De Laval Separator Company, The, New York, and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Cream separators. 52,995–6; renewed May 22, 1926.
De Laval Separator Company, The, New York, and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Cream separators. 54,868; renewed July 31, 1926.
Del Castillo, Rafael, jr., New York, N. Y. Dental exerciser. 211,401; Apr. 13; Serial No. 223,217; published Jan. 12, 1926.
Dennison Manufacturing Company, Framingham, Mass. Printed tags, cards, seals, and cut-outs. 211,628; Apr. 13; Serial No. 222,921; published Jan. 12, 1926.
Dentaglene Laboratories. (See Cervelli, Guido J.)
Dexter Brothers Co., Boston, Mass. Shingle stains. 53,951; renewed June 19, 1926.
Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chains, chain parts, roller and connecting links. 211,419; Apr. 13; Serial No. 222,786; published Jan. 12, 1926.
Die Actiengesellschaft Appollinaris Brunnen, to Apollinaris Brunnen Actien Gesellschaft, Neuenahr, Germany, successor. Mineral water. 53,335; renewed May 29, 1926.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 211,425; Apr. 13; Serial No. 224,097; published Jan. 19, 1926.
Doremus, Schoen & Co., Inc., New York, N. Y. Archery game. 211,615; Apr. 13; Serial No. 222,444; published Feb. 2, 1926.
Drew, E. F., & Co. Inc., New York, N. Y. Paste used for scouring wool 211,654; Apr. 13; Serial No. 208,045; published Feb. 2, 1926.
Drumm, Robert, Fort Worth, Tex. Poison for insects. 53,336; renewed May 29, 1926.
Duckwall Bros., Hood River, Oreg. Fresh apples and pears. 211,377; Apr. 13; Serial No. 223,164; published Jan. 26, 1926.
Du-Hold Company. (See Kline, Morris.)
Duncan, Fox & Co., Inc., New York, N. Y. Cotton drills, sheetings, shirtings, and flannels. 211,449; Apr. 13; Serial No. 214,785; published Feb. 2, 1926.
Duplantis, Arthur L., Chicago, Ill. High-blood-pressure tablets, indigestion tablets and a saline laxative compound. 211,374; Apr. 13; Serial No. 222,445; published Jan. 26, 1926.
Du Pont, E. I., de Nemours and Company. (See Nobel's Explosives Company, Limited, assignor.)
Duschner, Hugo, G. m' b. H., Berlin, Germany. Bath essence, bath tablets, and bath powder. 211,554; Apr. 13; Serial No. 219,669; published Jan. 19, 1926.
Eagle, C. K., & Co. Inc., Shamokin, Pa., and New York, N. Y. Silk or silk-mixtures piece goods. 211,400; Apr. 13; Serial No. 223,220; published Jan. 12, 1926.
Earl Fruit Company, Spokane, Wash. Fresh apples. 211,423; Apr. 13; Serial No. 223,624; published Jan. 26, 1926.
Edwards, E. H., Company, San Francisco, Calif. Wire rope. 211,550; Apr. 13; Serial No. 217,075; published Jan. 26, 1926.
Elco Distributing Co., Chicago, Ill. Malt sirup. 211,396; Apr. 13; Serial No. 223,697; published Jan. 19, 1926.
Eley Brothers Limited, London, England. Percussion caps. 53,747; renewed June 12, 1926.
El Food Corporation, Newark, N. J. Mayonnaise. 211,640; Apr. 13; Serial No. 221,356; published Jan. 12, 1926.
Elmore Company, The, doing business as The Elmore Thread Company, Spindale, N. Dak. Thread. 211,456; Apr. 13; Serial No. 212,077; published Feb. 2, 1926.
Emerson, Isaac E., Baltimore, Md. Laxative and cathartic. 211,528; Apr. 13; Serial No. 223,776; published Jan. 26, 1926.
Extinguishers Limited, Whitehall, London, England. Fire-extinguishing compounds. 211,424; Apr. 13; Serial No. 223,629; published Jan. 26, 1926.
Ez-Ol Chemical Co. (See Woodward, Albert F.)
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,486–7; Apr. 13; Serial Nos. 218,111–12; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,497; Apr. 13; Serial No. 218,109; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,527; Apr. 13; Serial No. 218,110; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,551; Apr. 13; Serial No. 218,115; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,552; Apr. 13; Serial No. 218,113; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,553; Apr. 13; Serial No. 218,116; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Preparation used in the treatment of ailments peculiar to women. 211,559; Apr. 13; Serial No. 218,117; published Jan. 19, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Liniment. 211,563; Apr. 13; Serial No. 218,114; published Jan. 19, 1926.
Fairfax Textile Mills, Inc., New York, N. Y. Woven cotton goods and silk and cotton goods. 211,405; Apr. 13; Serial No. 203,944; published Feb. 2, 1926.
Falls City Dental Specialty Co., Inc., Louisville, Ky. Dental investment, dental stone, and dental plaster. 211,466; Apr. 13; Serial No. 223,026; published Jan. 26, 1926.
Famous Players-Lasky Corporation, New York, N. Y. Moving pictures. 211,470; Apr. 13; Serial No. 222,448; published Jan. 26, 1926.
Fay, Edward J., New York, N. Y. Perfumes. 211,596; Apr. 13; Serial No. 224,183; published Feb. 2, 1926.
Fidalgo Island Packing Co., Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 51,288; renewed Apr. 10, 1926.

Fidalgo Island Packing Co., Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 51,321–2; renewed Apr. 10, 1926.
Fidalgo Island Packing Co., Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 51,463; renewed Apr. 17, 1926.
Fidalgo Island Packing Co., Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 53,269; renewed May 29, 1926.
Fidalgo Island Packing Co., Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 54,189–90; renewed June 19, 1926.
Fingerhut, Rosa M., doing business as The H. A. Ink Eradicator Co., New York, N. Y. Ink eradicators. 211,370; Apr. 13; Serial No. 223,841; published Jan. 26, 1926.
Fletcher Works Incorporated, Philadelphia, Pa. Ice picks. 211,380; Apr. 13; Serial No. 223,291; published Jan. 26, 1926.
Flowers, Daniel C., Shawnee, Okla. Salve for eczema, ringworm, itch, etc. 211,597; Apr. 13; Serial No. 224,184; published Feb. 2, 1926.
Fluxo Products Company, Inc., Le Roy, N. Y. Cleansing preparation having disinfecting and deodorizing properties. 211,652; Apr. 13; Serial No. 220,338; published Feb. 2, 1926.
Foon, Ong, doing business as Ong Foon Manufacturing Company, San Francisco, Calif. Preparation for polishing metals, glassware, etc. 211,645; Apr. 13; Serial No. 221,260; published Jan. 12, 1926.
Fort Howard Paper Company, Green Bay, Wis. Paper napkins, toilet paper, and paper towels. 211,600; Apr. 13; Serial No. 224,603; published Feb. 9, 1926.
Fort Wayne Engineering & Manufacturing Company, Fort Wayne, Ind. Pumping equipment, water systems, and soft-water generators. 211,472; Apr. 13; Serial No. 221,890; published Jan. 19, 1926.
Franco-American Chemical Company. (See Moro Medical Co., The.)
Frank & Brickel, New York, N. Y. Fur coats and fur jackets. 211,639; Apr. 13; Serial No. 220,606; published Feb. 2, 1926.
Frankau, Adolph, & Co. Ltd., London, England, assignor by mesne assignments, to B. B. B. Pipe Co. Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes. 53,968; renewed June 19, 1926.
Franklin Simon & Co., Inc., New York, N. Y. Soaps. 211,506; Apr. 13; Serial No. 208,752; published May 5, 1925.
Franklin Simon & Co., Inc., New York, N. Y. Soaps. 211,507; Apr. 13; Serial No. 208,750; published May 5, 1925.
Fremont Kraut Company, The, Fremont, Ohio. Canned sauerkraut. 211,647; Apr. 13; Serial No. 221,175; published Jan. 26, 1926.
Fresno Ponitrymens Cooperative Association, Fresno, Calif. Eggs. 211,369; Apr. 13; Serial No. 221,251; published Jan. 26, 1926.
Frubleusky, William, Worcester, Mass. Hair tonic. 211,638; Apr. 13; Serial No. 225,087; published Feb. 2, 1926.
Furnas Ice Cream Company, The, Columbus, Ohio. Ice cream. 211,675; Apr. 13.
Gibbs, John W., to John W. Gibbs, M. D., New York, N. Y., successor. Devices or use in applying electricity. 50,326; renewed Mar. 13, 1926.
Gloray Company, The, New York, N. Y. Nail polish. 211,520; Apr. 13; Serial No. 224,014; published Jan. 26, 1926.
Gluck, Joseph, New York, N. Y. Silks, silk and cotton, or silk and rayon fabrics. 211,452; Apr. 13; Serial No. 211,421; published Feb. 2, 1926.
Golden Gate Macaroni & Paste Factory, San Francisco, Calif. Alimentary paste products. 211,397; Apr. 13; Serial No. 223,638; published Jan. 19, 1926.
Goldstein, Joseph, Chair Co. Inc., New York, N. Y. Living-room furniture. 211,602; Apr. 13; Serial No. 222,742; published Feb. 2, 1926.
Greco, Joseph, doing business as The Greco Game Mfg. Co., New York, N. Y. Parlor board game played with pieces. 211,669; Apr. 13; Serial No. 223,228; published Feb. 2, 1926.
Gros, Grenier, Ostorero & Cie., Saint-Claude, Jura, France. Pipes, cigar and cigarette holders, and tobacco pouches. 211,441; Apr. 13; Serial No. 220,847; published Feb. 2, 1926.
Gros, Grenier, Ostorero & Cie., Saint-Claude, Jura, France, assignor to Joseph Cote Limited, Quebec, Canada. Pipes, cigar and cigarette holders, and tobacco pouches. 211,439–40; Apr. 13; Serial Nos. 220,849–50; published Feb. 2, 1926.
H. A. Ink Eradicator Co., The. (See Fingerhut, Rosa M.)
Hahn, Wm., & Co., Washington, D. C. Ladies' and misses' hosiery. 211,458; Apr. 13; Serial No. 215,251; published Aug. 18, 1925.
Haines Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 211,583; Apr. 13; Serial No. 223,781; published Feb. 2, 1926.
Hanly Products Co. Inc., Chicago, Ill. Tablets for aid in reducing. 211,519; Apr. 13; Serial No. 224,021; published Jan. 26, 1926.
Harper, Charles W., Boston, Mass. Electrical appliances for assisting the hearing. 53,724; renewed June 12, 1926.
Hartmann Trunk Company, Racine, Wis. Wardrobe trunks. 211,455; Apr. 13; Serial No. 205,753; published Jan. 19, 1926.
Haus Neuerburg o. H. G., Trier, Germany. Leaf tobacco, cigars, cigarettes, and chewing and smoking tobacco. 211,459; Apr. 13; Serial No. 214,727; published Feb. 2, 1926.
Havana Commercial Company, Jersey City, N. J., and New York, N. Y. Havana cigars. 54,826; renewed July 31, 1926.
Havana Commercial Company, Jersey City, N. J., and New York, N. Y. Havana cigars. 54,937; renewed Aug. 7, 1926.
Havana Commercial Company, Jersey City, N. J., and New York, N. Y. Havana cigars. 55,290; renewed Aug. 14, 1926.
Hawaiian Pineapple Products Co., Ltd. San Francisco, Calif., and Iwilei, Hawaii. Canned pineapple jam, marmalade, and jelly. 211,560; Apr. 13; Serial No. 218,553; published Jan. 26, 1926.
Haynes Milling Company, The, Portland, Ind. Wheat flour. 51,467; renewed Apr. 17, 1926.
Hazel-Atlas Glass Company, Wheeling, W. Va. Fruit jars. 54,846; renewed July 31, 1926.
Heck-Conard Co., Inc., The, Kansas City, Mo. Deodorant. 211,668; Apr. 13; Serial No. 222,676; published Feb. 2, 1926.
Heco Envelope Company, Chicago, Ill. Stocking protectors. 211,577; Apr. 13; Serial No. 223,710; published Jan. 26, 1926.
Hendey, Alfred E., doing business as The Maltex Company, New York, N. Y. General tonic. 211,514; Apr. 13; Serial No. 201,896; published Nov. 25, 1924.
Heppenstall Forge and Knife Company, Pittsburgh, Pa. Shear-knives. 211,435; Apr. 13; Serial No. 223,296; published Jan. 26, 1926.
Herald News Company, The, El Paso, Tex. Newspapers. 211,641; Apr. 13; Serial No. 221,608; published Jan. 12, 1926.
Herald News Company, The, El Paso, Tex. Newspapers. 211,659; Apr. 13; Serial No. 221,663; published Jan. 12, 1926.
Hermetite Corporation, New York, N. Y. Cotton threads and yarns and silk threads and yarns rendered mositure and air proof. 211,471; Apr. 13; Serial No. 222,240; published Feb. 2, 1926.
Hershey Chocolate Co., assignor to Chocolate Sales Corporation, Hershey, Pa. Chocolate bar. 211,531; Apr. 13; Serial No. 223,784; published Jan. 19, 1926.
Hewitt, Charles, & Sons Company, Des Moines, Iowa. Canned vegetables and fruits, fruit jams, etc. 211,644; Apr. 13; Serial No. 221,257; published Jan. 26, 1926.
Hillcrest Silk Mills, West New York, N. J., and New York, N. Y. Silk, cotton, and artificial-silk fabrics and mixtures of the same. 211,408; Apr. 13; Serial No. 206,352; published Dec. 1, 1925.
Hirbour, Oscar C., North Brookfield, Mass. Orange drink. 211,502; Apr. 13; Serial No. 200,199; published Nov. 3, 1925.
Hirsch, Walter J., Co., doing business as Onlyway Corporation, Chicago, Ill. Peanut butter. 211,547; Apr. 13; Serial No. 219,431; published Jan. 26, 1926.
Hoffman and Company, Red Hook, N. Y. Chewing and smoking tobacco. 52,486; renewed May 8, 1926.
Home Manufacturing Company. (See Meinhardt, H., & Company.)
Horwood, Edward H., New York, to E. H. Horwood & Co., New York, N. Y., and Hoboken, N. J., successor. Underwaists. 48,711; renewed Jan. 9, 1926.
Howard, Charles C. doing business as The Howard Drug Co., Memphis, Tenn. Medicinal preparation for kidney, etc., ailments. 211,599; Apr. 13; Serial No. 211,475; published Dec. 15, 1925.
Hrushka, Fred F., doing business as Shaver Root Co., Wagner, S. Dak. Salve for treating eczema and diseases of the scalp and skin. 211,500; Apr. 13; Serial No. 210,557; published Oct. 27, 1925.
Hynes-Weaver Shirt Co., St. Louis, Mo. Underwear of textile fabric. 211,677; Apr. 13.
Imperial Furniture Company, Grand Rapids, Mich. Combination library and dining tables. 211,651; Apr. 13; Serial No. 220,657; published Feb. 2, 1926.
Independent Fruit Shippers, Wenatchee, Wash. Fresh apples. 211,576; Apr. 13; Serial No. 223,728; published Jan. 26, 1926.
International Stock Food Co. (See Savage, Marion W.)
International Telephone & Telegraph Corporation, New York, N. Y. Periodical published quarterly. 211,584; Apr. 13; Serial No. 223,788; published Jan. 26, 1926.
Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 211,387; Apr. 13; Serial No. 224,709; published Jan. 26, 1926.
Jones Bros. Overall Company, Dubuque, Iowa, to Jones Bros. Garment Co., Los Angeles, Calif., successor. Children's suits and parts of suits. 53,830; renewed June 12, 1926.
Jones, Paul A., Co. (See Mawhinney Last Company.)
Kashdex, Inc., San Francisco, Calif. Loose-leaf folder and printed sheets to be inserted therein. 211,491; Apr. 13; Serial No. 223,303; published Jan. 12, 1926.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Silk, wool, cotton, and leather gloves. 211,393; Apr. 13; Serial No. 224,284; published Jan. 19, 1926.

Kellogg, P. P., & Co. (See United States Envelope Company.)
Keystone Grocery & Tea Co., Pittsburgh, Pa. House organ issued monthly. 211,558; Apr. 13; Serial No. 223,849; published Jan. 19, 1926.
King Features Syndicate, Inc., New York, N. Y. Cartoons in the form of a comic strip. 211,595; Apr. 13; Serial No. 224,143; published Feb. 9, 1926.
Kingman and Walton, Boston, Mass. Monthly magazine. 211,566; Apr. 13; Serial No. 223,391; published Feb. 2, 1926.
Kirk, James S., & Company, Chicago, Ill. Radiator glycerin. 211,524; Apr. 13; Serial No. 223,122; published Jan. 19, 1926.
Kirstein, E., Sons Co., Rochester, assignor to Shur-On Standard Optical Co. Inc., Geneva, N. Y. Eyeglasses, spectacles, and parts and repairs and cases therefor. 51,884; renewed Apr. 24, 1926.
Kleinknecht & Brose, Pittsburgh, Pa. Holding and dispensing apparatus for tube receptacles. 211,656; Apr. 13; Serial No. 194,455; published May 26, 1925.
Kline, Morris, doing business as Du-Hold Company, Cleveland, Ohio. Apparel belts. 211,457; Apr. 13; Serial No. 204,267; published Jan. 19, 1926.
Knobel & Bloom, New York, N. Y. Misses' and little women's suits and dresses. 211,630; Apr. 13; Serial No. 222,985; published Feb. 2, 1926.
Koch, Edward B., doing business as The Corset Shop, New Haven, Conn. Corsets, girdles, and brassières. 211,394; Apr. 13; Serial No. 224,250; published Jan. 19, 1926.
Kohl, Henry J., doing business as H. J. Kohl Company, Sharon Hill, Pa. Soap and cleansing compounds. 211,502; Apr. 13; Serial No. 203,082; published Dec. 8, 1925.
Kollin, B. Bertha, New York, N. Y. Dolls. 211,587; Apr. 13; Serial No. 223,479; published Feb. 2, 1926.
Kolynos Co., The, New Haven, Conn. Bath salts, face powder, shampoo solution, etc. 211,381; Apr. 13; Serial No. 224,027; published Jan. 26, 1926.
Krank, Alfred J., doing business as A. J. Krank Manufacturing Company, St. Paul, Minn. Face lotions. 211,383; Apr. 13; Serial No. 224,338; published Feb. 2, 1926.
Kraus & Co. Inc., Baltimore, Md. Tobacco products. 211,421; Apr. 13; Serial No. 223,307; published Feb. 2, 1926.
Lady Betty Mayonnaise Products. (See Potts, Sanders, Mrs.)
Lago, James V., doing business as Vilar Bros., New York, N. Y. Skin tonic. 211,575; Apr. 13; Serial No. 223,729; published Jan. 26, 1926.
Lakeside Biscuit Co., The, Toledo, Ohio. Crackers, cakes, biscuits, and sugar wafers. 211,413; Apr. 13; Serial No. 210,848; published Jan. 26, 1926.
Lamont, Corliss & Company, New York, N. Y. Chocolate coatings. 211,415; Apr. 13; Serial No. 218,128; published Jan. 26, 1926.
Lamothe, Cecile A., doing business as Parfumerie "Tina", Chicago, Ill. Perfumes, brilliantine, face massage creams, etc. 211,609; Apr. 13; Serial No. 221,971; published Jan. 26, 1926.
La Societe Albert Berger et Cie. (See Berger, Albert, & Co.)
Laundry and Dry Cleaning Service, Inc., New Orleans, La. Magazine issued periodically. 211,590; Apr. 13; Serial No. 223,965; published Feb. 9, 1926.
Lawrence, W. W., & Company, Pittsburgh, Pa. Ready-mixed paints. 55,527; renewed Aug. 14, 1926.
Laxa-Raisin Co., The, Cincinnati, Ohio. Fruit laxative. 211,564; Apr. 13; Serial No. 223,308; published Feb. 2, 1926.
Lenny Rosenzweig Dress Co. Inc., New York, N. Y. Ladies' dresses. 211,636; Apr. 13; Serial No. 223,126; published Feb. 2, 1926.
Lesser, Albert D., New York, N. Y. Trousers. 211,637; Apr. 13; Serial No. 223,127; published Feb. 2, 1926.
Limoges China Company, The, Sebring, Ohio. Chinaware. 211,416; Apr. 13; Serial No. 218,264; published Feb. 2, 1926.
Limpert Bros., Inc., New York, N. Y. Chocolate and cocoa compound. 211,603; Apr. 13; Serial No. 222,853; published Jan. 12, 1926.
Lockwood Co., Waterville, Me. Cotton piece goods, sheets, and pillowcases. 211,451; Apr. 13; Serial No. 212,010; published Feb. 2, 1926.
Long, Chas. R., Jr., Company, Louisville, Ky. Mixed paint. 54,807; renewed July 31, 1926.
Lurie, August J., doing business as Lurie Products, Chicago, Ill. Locks. 211,420; Apr. 13; Serial No. 222,929; published Jan. 12, 1926.
Luyties, F. August, assignor, by mesne assignments, to Luyties Pharmacal Company, St. Louis, Mo. Toulcs. 49,588; renewed Feb. 13, 1926.
M & A Produce Co., Los Angeles, Calif. Potatoes. 211,620; Apr. 13; Serial No. 222,266; published Jan. 26, 1926.
Machen, C., & Hudson, assignor to C. Machen & Hudson, Limited, Liverpool, England. Ale and stout. 51,802; renewed Apr. 24, 1926.
Macy, R. H., & Co., Inc., New York, N. Y. Perfume extracts, toilet water, bay rum, etc. 211,501; Apr. 13; Serial No. 210,493; published Jan. 26, 1926.
Mainzer, Adolf J., Inc., Long Island City, N. Y. Cracker meal. 211,585; Apr. 13; Serial No. 223,793; published Jan. 26, 1926.
Male, Harold L., Worcester, Mass. Molds for making toy figures and the material used therewith sold as a unit. 211,565; Apr. 13; Serial No. 223,311; published Feb. 2, 1926.
Maltex Company, The. (See Hendey, Alfred E.)
Marie de France Laboratories, Inc., New York, N. Y. Perfumery extracts, alcoholic perfumery, talcum powder, etc. 211,426; Apr. 13; Serial No. 224,099; published Feb. 2, 1926.
Marlboro Wire Goods Company, Marlboro, Mass. Dish drainers, sponge holders, soap dishes, broilers, plate racks, etc. 211,663; Apr. 13; Serial No. 222,515; published Feb. 2, 1926.
Marquette Paper Co., Chicago, Ill. Bond writing paper. 211,518; Apr. 13; Serial No. 224,032; published Jan. 12, 1926.
Marshall Field & Company, Chicago, Ill. Cotton challis in the piece. 211,532; Apr. 13; Serial No. 223,702; published Feb. 2, 1926.
Martin-Page Co., Middlesboro, Ky. Athletic supporters, sanitary belts. 211,433; Apr. 13; Serial No. 223,312; published Jan. 12, 1926.
Martini, Emilio, Chicago, Ill. Olive oil. 211,617; Apr. 13; Serial No. 222,624; published Jan. 26, 1926.
Mason & Hamlin Co., Cambridge, assignor to Mason & Hamlin Co., Boston, Mass. Reed organs. 45,410; renewed Aug. 15, 1925.
Mason & Hamlin Co., Cambridge, assignor to Mason & Hamlin Co., Boston, Mass. Pipe organs and reed organs. 45,988; renewed Sept. 5, 1925.
McClellan, G. H., and C. L. Jackson, Kansas City, Mo. Preparation for rheumatism. 211,662; Apr. 13; Serial No. 222,694; published Feb. 2, 1926.
McGovern & McGovern, Seattle, Wash. Canned salmon. 211,392; Apr. 13; Serial No. 224,342; published Jan. 19, 1926.
McLeod, John F., doing business as Old Walnut Tube Patch Co., Hendersonville, N. C. Inner-tube patching. 211,371; Apr. 13; Serial No. 221,559; published Jan. 26, 1926.
Meier & Frank Company, Portland, Oreg. Cheese. 211,579; Apr. 13; Serial No. 223,732; published Jan. 26, 1926.
Meinhardt, H., & Company, Inc., doing business as Home Manufacturing Company, Chicago, Ill. Barley malt for food purposes. 211,678; Apr. 13.
Miles, Dr., Medical Company, Elkhart, Ind. Laxative medicines. 211,498; Apr. 13; Serial No. 211,795; published Oct. 13, 1925.
Miller, George C., & Co., Inc., Boston, Mass. Candy. 211,605; Apr. 13; Serial No. 222,860; published Jan. 26, 1926.
Miller, John H., Warren, Pa. Medicated uterine wafers. 54,978; renewed Aug. 7, 1926.
Milne-O'Berry Packing Co., St. Petersburg, Fla. Fresh oranges and grapefruit. 211,573; Apr. 13; Serial 223,795; published Jan. 26, 1926.
Missouri Company, The. (See Roll, Walter G.)
Missouri Farmers' Association, Incorporated, Columbia, Mo. Wheat flour. 211,540; Apr. 13; Serial No. 217,041; published Feb. 2, 1926.
Monarch Manufacturing Company, Council Bluffs, Iowa. Monthly periodical. 211,641; Apr. 13; Serial No. 219,079; published Jan. 12, 1926.
Monroe Drug Company, Quincy, Ill. Dyes. 211,479; Apr. 13; Serial No. 223,930; published Jan. 26, 1926.
Monroe Drug Company, Quincy, Ill. Dyes. 211,488; Apr. 13; Serial No. 223,929; published Jan. 26, 1926.
Morana, Incorporated, New York, N. Y. Aromatic compounds suitable for perfumery purposes. 211,461; Apr. 13; Serial No. 214,265; published June 30, 1925.
Morgan Knitting Mills, Inc., New York, N. Y. Sweaters, knitted caps, bathing suits, etc. 211,562; Apr. 13; Serial No. 223,931; published Feb. 2, 1926.
Moro Medical Co., The, Montreal, Canada, to Franco-American Chemical Company, Limited, Boston, Mass., and Montreal, Canada, successor. Remedy. 53,086; renewed May 22, 1926.
Moseley Mfg. Company, Louisville, Ky. Mineral feeds. 211,653; Apr. 13; Serial No. 212,280; published Jan. 26, 1926.
Motor Improvements, Inc., Newark, N. J. Oil filters. 211,610; Apr. 13; Serial No. 222,334; published Feb. 2, 1926.
Mullen Brothers, Brockton, Mass. Material for repairing patent leather. 211,482; Apr. 13; Serial No. 221,630; published Jan. 12, 1926.
Munselle, Oliver, Post, Tex. Bluing. 211,513; Apr. 13; Serial No. 203,050; published Oct. 27, 1925.
Murias y Ca., J. S., New York, N. Y., assignor to H. De Cabanas y Carbajal, Jersey City, N. J., and New York, N. Y. Havana cigars. 54,920; renewed Aug. 7, 1926.
Muskin Shoe Company, Baltimore, Md. Boots and shoes. 211,422; Apr. 13; Serial No. 223,538; published Jan. 26, 1926.
Mutual System Company, The, Bridgeport, Conn. Saving certificates. 211,557; Apr. 13; Serial No. 216,687; published Jan. 26, 1926.
Myers, Cornelius T., Rahway, N. J. Magazine lubricating devices. 211,522; Apr. 13; Serial No. 222,336; published Jan. 19, 1926.

Nash Engineering Company, South Norwalk, Conn. House organ. 211,568; Apr. 13; Serial No. 223,734; published Feb. 9, 1926.
Nathan, M., and Brother, Incorporated, Johnstown, Pa. Hosiery and underwear. 211,646; Apr. 13; Serial No. 221,194; published Jan. 26, 1926.
National Biscuit Compound, New York, N. Y. Crackers and biscuits. 211,567; Apr. 13; Serial No. 218,568; published Feb. 2, 1926.
National Modes Inc., New York, N. Y. Women's and misses' coats, suits, and dresses. 211,672; Apr. 13; Serial No. 219,298; published Feb. 2, 1926.
National Powder Paint Co., Minneapolis, Minn. Powdered paint disinfectant. 211,384; Apr. 13; Serial No. 224,343; published Feb. 2, 1926.
National Shirt Shops, Inc., New York, N. Y. Men's collars and shirts. 211,561; Apr. 13; Serial No. 219,133; published Oct. 20, 1925.
Natural Food Company, The, assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Biscuit or crackers. 52,858; renewed May 22, 1926.
Nobel's Explosives Company Limited, Glasgow, Scotland, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Explosives. 51,566; renewed Apr. 17, 1926.
Noonan, George W., doing business as Noonan Laboratory, San Bernardino, Calif. Dandruff remedy. 211,525; Apr. 13; Serial No. 223,101; published Jan. 19, 1926.
Norwich Pharmacal Company, The, New York, to The Norwich Pharmacal Company, Norwich, N. Y. Anodyne for external and internal use. 45,792; renewed Aug. 29, 1925.
Norwich Pharmacal Company, The, New York, to The Norwich Pharmacal Company, Norwich, N. Y. Ointments and preparations employing oils, butter, glycerin, and other viscous or jellylike substances. 46,159; renewed Sept. 5, 1925.
Nuhring, Charles, Cincinnati, Ohio. Unlined linen fire hose. 55,402; renewed Aug. 14, 1926.
Nutt Bros., Los Angeles, Calif. Cookies and macaroons. 211,460; Apr. 13; Serial No. 214,561; published Sept. 8, 1925
Oakes, Thomas, & Co., Bloomfield, N. J. Cotton and wool fabrics. 211,446; Apr. 13; Serial No. 216,352; published Feb. 2, 1926.
O'Bryan Bros., to O'Bryan Bros. Inc., Nashville, Tenn., successor. Coats, vests, trousers, and overalls. 53,255; renewed May 29, 1926.
Ohio Match Company, The, Wadsworth, Ohio. Matches. 211,533; Apr. 13; Serial No. 223,596; published Feb. 2, 1926.
Ohio Match Company, The, Wadsworth, Ohio. Matches. 211,534; Apr. 13; Serial No. 223,592; published Feb. 2, 1926.
Old Walnut Tube Patch Co. (See McLeod, John F.)
Onliway Corporation. (See Hirsch, Walter J., Co.)
Opitz, John, Inc., New York, N. Y. Preparation for killing roaches, rats, etc. 211,496; Apr. 13; Serial No. 223,973; published Jan. 26, 1926.
Orono Pulp & Paper Company, The, Bangor, Me. Wrapping paper. 211,555; Apr. 13; Serial No. 219,758; published Feb. 2, 1926.
Pacific Coast Biscuit Company, Seattle, Wash. Crackers. 211,539; Apr. 13; Serial No. 216,794; published Jan. 26, 1926.
Paddy and Theodore, Los Angeles, Calif. Preparation used in the treatment of tuberculosis and asthma. 211,385; Apr. 13; Serial No. 224,349; published Feb. 2, 1926.
Pake, Charles E., doing business as Pake Medicine Company, Akron, Ohio. Remedy for indigestion, dyspepsia, etc. 211,673; Apr. 13; Serial No. 218,079; published Feb. 2, 1926.
Paper Service Company, The, Arlington Heights, and Lockland, Cincinnati, Ohio. Crêped, sulphite and sulphate, bleached and unbleached wrapping paper. 211,670; Apr. 13; Serial No. 223,186; published Feb. 2, 1926.
Paraffine Companies, Inc., The, San Francisco, Calif. Prepared floor coverings. 211,469; Apr. 13; Serial No. 222,759; published Feb. 2, 1926.
Parfumerie Roger et Gallet, Paris, France. Soaps. 211,598; Apr. 13; Serial No. 224,261; published Feb. 9, 1926.
Parfumerie "Tina." (See Lamothe, Cecile A.)
Park & Pollard Company, The, Boston, Mass. Cattle feed. 211,430; Apr. 13; Serial No. 223,402; published Jan. 12, 1926.
Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 52,277–8; renewed May 8, 1926.
Patchlesea1 Manufacturing Co., New York, N. Y. Chemical compound for making automobile tires puncture-proof. 211,443; Apr. 13; Serial No. 218,870; published Feb. 2, 1926.
Patterson Publishing Company, Chicago, Ill. Monthly magazine. 211,631; Apr. 13; Serial No. 222,994; published Jan. 12, 1926.
Paxton & Gallagher Co., Omaha, Nebr. Canned peas and peaches, spices, peanut butter, rice, etc. 211,665; Apr. 13; Serial No. 222,631; published Jan. 26, 1926.
Payne, N. L. (See Potts Sanders, Mrs.)
Peck Engraving Company, The, Cleveland, Ohio. Writing paper. 211,515; Apr. 13; Serial No. 224,420; published Jan. 12, 1926.
Penn Automatic Service Company, Inc., Pittsburgh, Pa. Sandwiches, pie, and cakes. 211,399; Apr. 13; Serial No. 223,254; published Jan. 12, 1926.
Penn Process Company, Inc., Elkins Park, Pa. Chemicals for photographic purposes. 211,536; Apr. 13; Serial No. 223,322; published Jan. 26, 1926.
Pepperell Manufacturing Company, Biddeford, Me.; Opelika, Ala.; and Boston, Mass. Bed sheets and slips, sheeting in the piece, silk fabrics, etc. 211,529–30; Apr. 13; Serial Nos. 224,039–40; published Feb. 2, 1926.
Perfection Products Co., Rochester, N. Y. Type cleaner. 211,511; Apr. 13; Serial No. 205,488; published Jan. 12, 1926.
Peters-Certified Poultry, Inc., Newton, Iowa. Live chickens. 211,468; Apr. 13; Serial No. 222,871; published Jan. 19, 1926.
Peterson, A. H., Mattoon, Wis. Nonfreezing compound for automobile radiators. 211,681; Apr. 13.
Pfeiffer, Albert J., Inc., New York, N. Y. Yarns. 211,528; Apr. 13; Serial No. 224,264; published Feb. 2, 1926.
Pittsburgh Water Heater Company, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water-storage systems. 211,404; Apr. 13; Serial No. 203,436; published Dec. 22, 1925.
Plant, Thomas G., Company, assignor, by mesne assignments, to Thomas G. Plant Company, Boston, Mass. Leather boots and shoes. 49,749; renewed Feb. 13, 1926.
Plant, Thomas G., Company, assignor, by mesne assignments, to Thomas G. Plant Company, Boston, Mass. Leather boots and shoes. 49,788; renewed Feb. 13, 1926.
Plant, Thomas G., Company, assignor, by mesne assignments, to Thomas G. Plant Company, Boston, Mass. Leather boots and shoes. 54,315; renewed June 26, 1926.
Porter-Bede-Langtry Corporation, Chicago, Ill. Biweekly magazines. 211,591; Apr. 13; Serial No. 224,045; published Feb. 9, 1926.
Porter-Langtry Company, Chicago, Ill. Biweekly magazines. 211,592; Apr. 13; Serial No. 224,047; published Feb. 9, 1926.
Potomac Photo Supply Co., Washington, D. C. Photographs or pictures. 211,549; Apr. 13; Serial No. 219,604; published Jan. 12, 1926.
Potts Sanders, Mrs., doing business as N. L Payne and Lady Betty Mayonnaise Products, Texarkana, Tex. Mayonnaise and Thousand Island dressing. 211,447; Apr. 13; Serial No. 216,120; published Jan. 26, 1926.
Precourt, Ray A., Los Angeles, Calif. General cleaning preparation. 211,650; Apr. 13; Serial No. 219,909; published Jan. 12, 1926.
Prescott, J. L., Company. (See X-Ray Stove Polish Co., assignor.)
Prion and Prion, Mansfield, Ohio. Healing salve. 211,618; Apr. 13; Serial No. 222,578; published Jan. 19, 1926.
Purexo Products Co., San Francisco, Calif. Medicinal tonic. 211,490; Apr. 13; Serial No. 223,866; published Jan. 26, 1926.
Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Chocolate candy. 54,944–5; renewed Aug. 7, 1926.
Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Hard and soft candy. 54,946; renewed Aug. 7, 1926.
Ray The Hatter, Inc., Waterbury, Conn. Shirts, hats, collars, scarfs, etc. 211,465; Apr. 13; Serial No. 210,926; published Feb. 2, 1926.
Rea-Patterson Milling Co., The, Coffeyville, Kans. Wheat bran, wheat screenings, wheat mixed feed, etc. 211,606; Apr. 13; Serial No. 222,880; published Jan. 26, 1926.
Remington Typewriter Company, Ilion and New York, N. Y. Typewriter paper. 211,505; Apr. 13; Serial No. 222,519; published Jan. 12, 1926.
Removo Laboratories, Inc., The, Syracuse, N. Y. Cold and vanishing creams, face powder, rouge, etc. 211,494; Apr. 13; Serial No. 220,142; published Jan. 19, 1926.
Rex Manufacturing Co., Providence, R. I. Pens and pencils. 211,489; Apr. 13; Serial No. 223,867; published Jan. 12, 1926.
Reynolds Aluminum Company, The, New Washington, Ohio. Cast aluminum cooking utensils. 211,664; Apr. 13; Serial No. 220,469; published Feb. 2, 1926.
Rice & Hutchins, Incorporated, assignor to Rice & Hutchins, Inc., Boston, Mass. Rubber boots and shoes. 54,525; renewed June 26, 1926.
Rice & Hutchins, Incorporated, assignor to Rice & Hutchins, Inc., Boston, Mass. Leather boots and shoes and leather used in their manufacture. 54,526; renewed June 26, 1926.
Rigo Manufacturing Company, Nashville, Tenn. Chemical preparations for the destruction of vermin and insects. 211,523; Apr. 13; Serial No. 223,189; published Jan. 19, 1926.
Roddenbery, Walter B., Cairo, Ga. Food sirup. 211,398; Apr. 13; Serial No. 223,414; published Jan. 19, 1926.

Rogers, Wm. A., Limited, New York, N. Y. Silver-plated flatware, hollow ware, and tableware. 49,266; renewed Jan. 30, 1926.
Rogers, Wm. A., Limited, New York, N. Y. Silver plated flatware, hollow ware and tableware. 54,731; renewed June 26, 1926.
Roll, Walter G., doing business as The Missouri Company, St. Louis, Mo. Cleaning and polishing powder. 211,483; Apr. 13; Serial No. 221,567; published Jan. 12, 1926.
Romola Parfumerie, Inc., Chicago, Ill. Toilet water, perfume, sachet, face creams, and toilet powder. 211,382; Apr. 13; Serial No. 224,265; published Jan. 26 1926.
Ronox Pharmaceutical Company, Muncie, Ind. Blood medicine. 211,427; Apr. 13; Serial No. 224,206; published Feb. 2, 1926.
Rosemary Manufacturing Company, Roanoke Rapids, N. C. Cotton damask. 50,186; renewed Mar. 6, 1926.
Rosenwald, Max, doing business as Benedikt Co., New York, N. Y. Toothbrushes. 211,599; Apr. 13; Serial No. 224,424; published Feb. 2, 1926.
Rossano, G., & Bro., New York, N. Y. Macaroni and canned tomatoes. 211,622; Apr. 13; Serial No. 222,192; published Jan. 26, 1926.
Rossel, Schwarz & Co. Aktiengesellschaft. (See Aktiebolaget Göranssons Mekaniska Verkstad Limited, assignor.)
Royal Worcester Corset Company, Worcester, Mass. Corsets. 50,337; renewed Mar. 13, 1926.
Rubico Brush Manufacturers Inc., New York, N. Y. Brushes, dusters, and brooms. 211,593–4; Apr. 13; Serial No. 224,052–3; published Feb. 2, 1926.
Russell, Madame A. (See Dauml, Annie R.)
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 211,463; Apr. 13; Serial No. 212,642; published Jan. 26, 1926.
Ry-Krisp Company, The, Minneapolis, Minn. Breakfast cereal. 211,434; Apr. 13; Serial No. 223,335; published Jan. 12, 1926.
S. A. X. Vertical Fan Company, Pittsburgh, Pa. Electric fans. 211,658; Apr. 13; Serial No. 218,144; published Feb. 2, 1926.
Salvacea Company, Inc., The. (See Brandreth Co., The, assignor.)
Sarnes, Mary, Detroit, Mich. Face creams, hand lotions, face powder, and toilet water. 211,642; Apr. 13; Serial No. 221,569; published Jan. 19, 1926.
Savage, Marion W., to International Stock Food Co., Minneapolis, Minn., successor. Heave cure. 48,696; renewed Jan. 9, 1926.
Sayford, Frank M., Company, Brooklyn, N. Y. Packing and wrapping paper for confectionery and the like. 211,510; Apr. 13; Serial No. 206,032; published Jan. 12, 1926.
Schilling, A., & Company, to A. Schilling & Co., San Francisco, Calif., successor. Coffee. 50,624; renewed Mar. 27, 1926.
Schreiber, Max, Chicago, Ill. Daily trade bulletin. 211,586; Apr. 13; Serial No. 223,607; published Feb. 9, 1926.
Schwarz Max, Textile Corporation, New York, N. Y. Textile fabrics in the piece. 211,671; Apr. 13; Serial No. 219,455; published Feb. 2, 1926.
Seidner & Enequist, Inc., New York, N. Y. Adhesive pastes. 211,623; Apr. 13; Serial No. 222,146; published Feb. 2, 1926.
Serralles, Sucesion J., Ponce, P. R. Granulated sugar. 211,666; Apr. 13; Serial No. 222,640; published Jan. 26, 1926.
Service Coffee Company, Coffeeville, Kans. Coffee, tea, spices, and food-flavoring extracts. 211,679; Apr. 13, 1926.
Seufert Brothers Company, The Dalles, Oreg. Canned salmon, fruits, and vegetables. 211,390; Apr. 13; Serial No. 224,429; published Jan. 19, 1926.
Shaver Root Co. (See Hrushka, Fred F.)
Shredded Wheat Company, The. (See Natural Food Company, The, assignor.)
Shur-On Standard Optical Co. (See Kirstein, E., Sons Co., assignor.)
Shurwyn Tire & Rubber Co., St. Louis, Mo. Rubber automobile tires, rubber inner tubes, and rubber patch material. 211,406; Apr. 13; Serial No. 205,099; published Jan. 26, 1926.
Simmons-Boardman Publishing Co., New York, N. Y. Magazine published periodically. 211,556; Apr. 13; Serial No. 220,621; published Jan. 12, 1926.
Simon Mattress Mfg. Co., San Francisco, Calif. Mattresses. 211,601; Apr. 13; Serial No. 222,712; published Feb. 2, 1926.
Skayef Ball Bearing Company, The, Hartford, Conn. Ball bearings, roller bearings, and parts thereof. 211,632; Apr. 13; Serial No. 222,997; published Feb. 2, 1926.
Skayef Ball Bearing Company, The, Hartford, Conn. Ball and roller bearings, rings, housings, etc. 211,633; Serial No. 222,998; published Feb. 2, 1926.
Slater, S., & Sons, Inc., Webster, Mass. Cotton and rayon textile fabrics. 211,475; Apr. 13; Serial No. 221,337; published Feb. 2, 1926.
Smith, Jas., & Son, (Redditch) Limited, Redditch, England. Office, toilet, safety, etc., pins, needles, bodkins, etc. 211,445; Apr. 13; Serial No. 217,185; published Jan. 19, 1926.
Snia-Viscosa Società Nazionale Industria Applicazioni Viscosa, Turin, Italy. Yarns. 211,438; Apr. 13; Serial No. 220,925; published Feb. 2, 1926.
Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, pickles, etc. 211,407; Apr. 13; Serial No. 205,702; published Jan. 26, 1926.
Standard Oil Company (New Jersey), Bayonne, N. J. Battery-sealing compounds. 211,495; Apr. 13; Serial No. 223,975; published Jan. 26, 1926.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candle containers. 211,655; Apr. 13; Serial No. 206,261; published Feb. 2, 1926.
Standard Thread Company, New York, N. Y. Thread. 211,372; Apr. 13; Serial No. 221,931; published Feb. 2, 1926.
Stearns, Frederick, & Co., to Frederick Stearns & Company, Detroit, Mich. Perfumery. 47,269; renewed Oct. 31, 1925.
Sterling, D. L., & Sons, Inc., doing business as Criandera Condensed Milk Company, New York, N. Y., and Habana, Cuba. Sweetened condensed milk. 211,395; Apr. 13; Serial No. 223,810; published Jan. 19, 1926.
Sterling-Slater Fruit Company, Wenatchee and Entiat, Wash. Fresh apples. 211,526; Apr. 13; Serial No. 223,057; published Jan. 19, 1926.
Straight Root Co. (See Temkin, Harry.)
Super-Foot-Form Cushion Shoe Company. (See Winter, George J.)
Tailor's Cleaning Fluid Company, Incorporated, New York, N. Y. Dry-cleaning liquid. 211,611; Apr. 13; Serial No. 222,414; published Jan. 12, 1926.
Talbot Manufacturing Company, Los Angeles, Calif. Insecticides. 211,607; Apr. 13; Serial No. 222,888; published Jan. 26, 1926.
Tate, Norman F., doing business as The Dr. N. F. Tate Medicine Company, Amarillo, Tex. Medicine. 211,674; Apr. 13.
Taylor-Bramley Company, The, Chicopee and Chicopee Falls, Mass. Infants' and children's clothing. 211,648; Apr. 13.
Tefke, Wald., Helsingfors, Finland. Matches. 211,474; Apr. 13; Serial No. 221,340; published Feb. 2, 1926.
Telemac, Limited, London, England. Waterproof and rainproof coats, capes, and overalls. 211,614; Apr. 13; Serial No. 222,488; published Feb. 2, 1926.
Temkin, Harry, doing business as Straight Root Co., New York, N. Y. Hairdressings. 211,574; Apr. 13; Serial No. 223,813; published Jan. 26, 1926.
Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. Steel and iron sheets. 211,442; Apr. 13; Serial No. 220,156; published Jan. 26, 1926.
Texas Glove & Garment Co., Mexia, Tex. Leather and fabric gloves, pants, work shirts, overalls, etc. 211,629; Apr. 13; Serial No. 222,964; published Feb. 2, 1926.
Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties Inc., Springfield, Mass. Materials for coloring low spots on balls or rollers of bearings. 211,512; Apr. 13; Serial No. 205,250; published Jan. 19, 1926.
Thompson Specialties Inc., The. (See Thompson, Henry C., assignor.)
Toboul, Robert, doing business as Maison Cyber, Paris, France. Perfumes, toilet water, face powder, sachet powder, etc. 211,572; Apr. 13; Serial No. 223,669; published Jan. 26, 1926.
Tomlee Tool Co., Brockton, Mass. Tools for the rims of wheels of motor cars. 211,582; Apr. 13; Serial No. 223,752; published Feb. 2, 1926.
Turchi, D. A., Sons, Philadelphia, Pa. Beverages sold as soft drinks. 211,682; Apr. 13.
Tyler, W. S., Company, The, Cleveland, Ohio. Wire cloths and screens. 52,388; renewed May 8, 1926.
United Indurated Fibre Co. of New Jersey, Lockport, to Cordley & Hayes, New York, N. Y., successor. Indurated fiber ware. 54,688; renewed June 26, 1926.
United Publishers Corporation, New York, N. Y. Section of a periodical trade publication. 211,612; Apr. 13; Serial No. 222,417; published Jan. 12, 1926.
United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Writing and printing papers, cards, and envelopes. 211,410–12; Apr. 13; Serial Nos. 210,329–31; published Jan. 26, 1926.
United States Products Corporation, San Jose, Calif. Canned fruit and vegetables. 211,386; Apr. 13; Serial No. 224,682; published Jan. 26, 1926.
United States Products Corporation, San Jose, Calif. Canned fruits and vegetables. 211,391; Apr. 13; Serial No. 224,683; published Jan. 19, 1926.
Universal Pictures Corporation, New York, N. Y. Motion pictures. 211,436; Apr. 13; Serial No. 223,263; published Jan. 12, 1926.
Universal Willow and Reed Ware Company Incorporated, Long Island City, N. Y. Willow, reed, rattan, raffia, and spool-fiber settees, couches, benches, etc. 211,409; Apr. 13; Serial No. 209,149; published Jan. 26, 1926.

Valco Manufacturing Co., Inc., New York, N. Y. Pyjamas. 211,508; Apr. 13; Serial No. 208,540; published Feb. 2, 1926.
Valentine, Charles F., Glenwood Springs, Colo. Mechanics' hand soap. 211,660; Apr. 13; Serial No. 221,725; published Jan. 12, 1926.
Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Candy. 211,448; Apr. 13; Serial No. 214,983; published Jan. 26, 1926.
Van Stan, Victor F., Philadelphia, Pa. Adhesive mending cement. 211,454; Apr. 13; Serial No. 208,791; published Jan. 19, 1926.
Vi-Benz Laboratory, Washington, D. C. Preparation for the relief of painful menstruation. 221,581; Apr. 13; Serial No. 223,756; published Jan. 26, 1926.
Viking Press, Inc., The, New York, N. Y. Completely-printed books. 211,649; Apr. 13; Serial No. 220,330; published Jan. 26, 1926.
Vilar Bros. (See Lago, James V.)
Virginia Hay & Grain Co., Virginia, Minn. Flour. 211,493; Apr. 13; Serial No. 215,284; published Feb. 2, 1926.
Wagner Manufacturing Company, The, Sidney, Ohio. Pots, teakettles, pans, waffle irons, etc. 211,388; Apr. 13; Serial No. 223,147; published Jan. 19, 1926.
Wahl Company, The, Chicago, Ill. Fountain pens. 211,504; Apr. 13; Serial No. 222,588; published Jan. 12, 1926.
Wallace & Tiernan Co., Inc., Newark, N. J. Ammonium salt for use in the aging of flour. 211,516; Apr. 13; Serial No. 224,309; published Jan. 26, 1926.
Walter, William M., doing business as M. P. H. Company, Reading, Ohio. Vegetable compound used internally as a laxative. 211,485; Apr. 13; Serial No. 218,224; published Jan. 19, 1926.
Ward, George S., Pittsburgh, Pa., assignor to Ward Baking Company, New York, N. Y. Bread and crackers. 49,697; renewed Feb. 13, 1926.
Ware Bros. Company, Philadelphia, Pa. Trade journal published annually. 211,616; Apr. 13; Serial No. 222,532; published Jan. 12, 1926.
Werner & Werner Clothing & Furnishings Goods Co., St. Louis, Mo. Ladies' coats and suits. 211,680; Apr. 13.
Westminster, Ltd., New York, N. Y. Hosiery. 211,604; Apr. 13; Serial No. 222,807; published Feb. 2, 1926.
Wheatal Company, The, Bangor and Addison, Me. Cereal brenkfast food. 211,418; Apr. 13; Serial No. 222,720; published Jan. 12, 1926.
Whittemore Bro's. and Co., assignor to Whittemore Brothers Corporation, Cambridge, Mass. Polish for cleaning and polishing russet and tan colored shoes. 54,090; renewed June 19, 1926.
Whittemore Brothers and Company, assignor to Whittemore Brothers Corporation, Cambridge, Mass. Polish for shoes. 52,312; renewed May 8, 1926.
Wilkes-Barre Dry Goods Company, doing business as Lazarus Brothers, Wilkes-Barre, Pa. Women's dresses, coats, suits, sweaters, etc. 211,571; Apr. 13; Serial No. 223,672; published Jan. 26, 1926.
Wilkins, John H., Co., Washington, D. C. Coffee. 211,389; Apr. 13; Serial No. 224,369; published Jan. 19, 1926.
Willard, Daniel H., Miami, Fla. Silk, cotton, woolen, and artificial-silk piece goods and combination of same. 211,437; Apr. 13; Serial No. 221,222; published Feb. 2, 1926.
Winter, George J., doing business as Super-Foot-Form Cushion Shoe Company, Buffalo, N. Y. Cushion shoes. 211,548; Apr. 13; Serial No. 219,052; published Jan. 26, 1926.
Witt, Abraham, Hoboken, N. J. Malted milk. 211,667; Apr. 13; Serial No. 222,650; published Jan. 26, 1926.
Wood, A. A., & Sons Co., The, Atlanta, Ga. Machine for filing and gumming gin saws. 55,555; renewed Aug. 14, 1926.
Woodward, Albert F., doing business as Ez-Ol Chemical Co., Highland Park, Detroit, Mich. Salve. 211,478; Apr. 13; Serial No. 223,951; published Jan. 26, 1926.
Woodward & Lothrop, Washington, D. C. Women's, girls', and misses' undergarments and clothing. 211,375; Apr. 13; Serial No. 222,974; published Jan. 26, 1926.
Woodward & Lothrop, Washington, D. C. Massage and cold creams, perfumery extracts, sachet and face powders, etc. 211,379; Apr. 13; Serial No. 223,269; published Jan. 26, 1926.
Woolson Spice Company, The, Toledo, Ohio. Coffee. 56,101; renewed Aug. 21, 1926.
Wortham, Roy L., Hammond, Ill. Insecticide. 211,537; Apr. 13; Serial No. 201,067; published Jan. 26, 1926.
Wright & Hughson, Dinuba, Calif. Fresh grapes. 211,473; Apr. 13; Serial No. 221,652; published Jan. 19, 1926.
X-Ray Stove Polish Co., assignor to J. L. Prescott Company, New York, N. Y. Powdered stove polish. 50,495; renewed Mar. 20, 1926.
Zeigler Canning & Preserving Company, Muscatine, Iowa. Canned vegetables. 211,481; Apr. 13; Serial No. 221,679; published Jan. 12, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Atlantic Food Products Corp., Philadelphia, Pa. Afco Porter Malt Syrup. For Malt Sirup. 30,177; Apr. 13.
Betts & Mumpeton, New York, N. Y. Finesse. For Face Powder. 30,178; Apr. 13.
Fetterolf, H. G., Company, Philadelphia, Pa. Windsor Wilton Rug. For Rugs. 30,179; Apr. 13.
Fitger Company, The, Duluth, Minn. Silver Spray. For Soft Drinks. 30,180; Apr. 13.
Graf, John, Company, Milwaukee, Wis. Graf's Quality Extra Dry Famous Brand Gingerale. For Ginger Ale. 30,181; Apr. 13.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Larsen's. For Canned Peas. 30,182; Apr. 13.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Toy Town. For Canned Peas. 30,183; Apr. 13.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Lily. For Canned Peas. 30,184; Apr. 13.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. North Shore Royal Food. For Canned Peas. 30,185; Apr. 13.
Morrell, John, & Co., Ottumwa, Iowa. Riverdale. For Tomatoes. 30,186; Apr. 13.
Morrell, John, & Co., Ottumwa, Iowa. Riverdale. For Corn. 30,187; Apr. 13.
Morrell, John, & Co., Ottumwa, Iowa. Riverdale. For Cut Green Beans. 30,188; Apr. 13.
Morrell, John, & Co., Ottumwa, Iowa. Riverdale. For Sugar Peas. 30,189; Apr. 13.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Full-Cream Cheese. 30,190; Apr. 13.
Noe, A., & Son, Sharpsburg, Pa. Pittsburgh Pale Ginger Ale. For Ginger Ale. 30,191; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. Blue Tag. For Canned Pears. 30,192; Apr. 13.
Paulus, Robt. C., & Co., Salem Oreg. Sungold. For Evaporated Prunes. 30,193; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. Green Tag. For Canned Pears. 30,194; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. Red Tag. For Canned Pears. 30,195; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. White Tag. For Canned Pears. 30,196; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. Lakewood. For Northwestern French Prunes. 30,197; Apr. 13.
Paulus, Robt. C., & Co., Salem, Oreg. Crater Blue. For Canned Pears. 30,198; Apr. 13.
Pennant Cigar Factory, Saginaw, West Side, Mich. Second National Bank Building. For Cigars. 30,199; Apr. 13.
Rossville Packing Co., The, Rossville, Ill. Country Cousin. For Canned Corn. 30,200; Apr. 13.
Tip-Top Creamery Company, Vincennes, Ind. Tip-Top. For Butter. 30,201; Apr. 13.
Waterbury Clock Company, Waterbury, Conn. Waterbury Clocks. For Clocks. 30,202; Apr. 13.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bauerlein Incorporated, New Orleans, La. Yes! Bananas The Body Builder. For Bananas. 8,693; Apr. 13.
Coleman Lamp Company, The, Wichita, Kans. The Smooth Way to Rough It. For Camp Stoves. 8,694; Apr. 13.
Diffin, Harry D., Avalon, Santa Catalina Island, Calif. Diffin's Island Freeze. For Ice-Cream Cones. 8,695; Apr. 13.
Eaton, Crane & Pike Co., Pittsfield, Mass. It Almost Seems as if You Just Couldn't Have a Wedding Without Crane's Kid Finish. For Writing Papers. 8,696; Apr. 13.
Eskimo Pie Corporation, Louisville, Ky. This Taste—Has Captured All America! For Frozen Confections. 8,697; Apr. 13.
Forhan Company, New York, N. Y. Four Out of Five of Them Will Get Pyorrhea! For Tooth Paste. 8,698; Apr. 13.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Bakteriologisk Laboratorium "Ratin", Frederiksberg, near Copenhagen, Denmark. Bacteriologic preparations used for destroying rats and mice. 209,960; Apr. 13.

Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerating apparatus, refrigerating machines, refrigerators, and refrigerating plants. 220,587; Apr. 13.

Alexander Industries, Inc., Englewood, Colo. Advertising and publicity motion-picture films. 227,492; Apr. 13.

Allen, Mark W., & Co., doing business as Allen Perfumer, Detroit, Mich. Face powders, creams, and packs, perfumes, shampoos, rouges, etc. 207,114; Apr. 13.

Altorfer Bros. Company, East Peoria, Ill. Clothes or laundry washing machines. 216,760; Apr. 13.

Alu, Frank, Chicago, Ill. Purgative. 227,557; Apr. 13.

American Bakery Materials Company, Menomonie, Wis. Gluten developer. 225,820; Apr. 13.

American Banking Company, Springfield, Ill. Books of tables published from time to time. 207,283–4; Apr. 13.

American Device Manufacturing Company, St. Louis, Mo. Mail chutes and boxes for buildings. 221,939; Apr. 13.

American Over-Orient Trading Corporation, New York, N. Y. Mocha coffees. 193,088; Apr. 13.

Anglivox Radio Corporation. (See Beardsley, Charles S.)

Aspegren & Co., Inc., New York, N. Y. Lard substitutes. 227,766; Apr. 13.

Atlantic Coast Poultry Producers Association, New York, N. Y. Eggs. 227,767; Apr. 13.

Auto-Motive Lighting Device Company, The, Columbus, Ohio. Light-directing means for automobile headlights. 219,106; Apr. 13.

Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Chili sauce. 201,529; Apr. 13.

Bakelite Corporation, New York, N. Y. Clock and watch cases. 222,428; Apr. 13.

Balata, Victor, & Textile Belting Co., New York, N. Y. Belt clamps or belt fasteners. 224,892; Apr. 13.

Baskind, Louis, New York, N. Y. Men's and boys' shirts and pyjamas. 228,023; Apr. 13.

Battery Recharge Co. (See Gardner, Robert W.)

Baylis, A. W., Co., New York, N. Y. Woven fabrics. 226,799; Apr. 13.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 222,060; Apr. 13.

Beardsley, Charles S., doing business as Anglivox Radio Corporation, East Cleveland, Ohio. Radio receiving sets and parts thereof. 219,366; Apr. 13.

Bee Jay Products Co. Inc., New York, N. Y. Monochord musical instruments. 225,948; Apr. 13.

Blesenthal-Johnston Co., The, New York, N. Y. Dresses of silk, cotton, wool, etc. 226,877–8; Apr. 13.

Bigelow-Hartford Carpet Company, Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Textile carpets. 211,324; Apr. 13.

Binsfeld, Louise, doing business as L. Robert, New York, N. Y. Hair-removing cream. 228,219; Apr. 13.

Blackman, Jacob, doing business as Premo Drug & Novelty Co., New York, N. Y. Nursing-bottle nipples. 227,824; Apr. 13.

Blanke, C. F., Candy Co., Branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Candy. 226,093; Apr. 13.

Bonsor, Marion M., Geneva, Ohio. Statuettes. 209,969; Apr. 13.

Boom, William B., Cleveland, Ohio. Lathes, planers, drill presses, chisels, saw blades, etc. 225,762; Apr. 13.

Boston Varnish Company, Everett, Mass. Paint and paint enamel. 210,341; Apr. 13.

Boston Varnish Company, Everett, Mass. Paint enamels and varnishes. 210,342; Apr. 13.

Brown-Brockmeyer Co., Inc., The, Dayton, Ohio. Electric motors. 227,106; Apr. 13.

Bulwinkle, John E., doing business as Litex Inc., Charleston, S. C. Metal trash containers. 226,801; Apr. 13.

Burt, L. G., Tulsa, Okla. Oil-well swabs. 225,502; Apr. 13.

Button, George W., Corporation, New York, N. Y. Perfumes, toilet waters, face powders, and talcum powder. 227,499–506; Apr. 13.

C-Y Laboratories Inc., Pulaski, Tenn. Medicine for cystitis. 225,645; Apr. 13.

Caledonia Cellulose Company, Inc., New York, N. Y. Sanitary napkins. 228,226; Apr. 13.

Campbell, Guy, London, England. Dumb-bells, grip developers, and muscular developers. 222,305; Apr. 13.

Capper Pass & Son, Ltd., Bristol, England. Pig and ingot tin. 225,549; Apr. 13.

Celite Company, The, Los Angeles, Calif. House organ and serial publications. 224,953; Apr. 13.

Chase, Herbert, Forest Hills, N. Y. Toy buildings. 212,321; Apr. 13.

Chemical Products Division of Rose Manufacturing Company. (See Rosenbluth, Edwin M.)

Chemische Fabrik Griesheim Elektron, by change of name I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Skins, hides, leather guts, pelts, and furs. 221,805; Apr. 13.

Chlor-ris Chemical Co. (See Russell, Samuel J.)

Chocolate Sales Corporation, Hershey, Pa. Milk chocolates. 226,634; Apr. 13.

Clayton Mark & Company, Chicago, Ill. Cup leathers for well valves. 213,600; Apr. 13.

Coley, Joseph, Detroit, Mich. Remedy for hemorrhoids. 227,391; Apr. 13.

Colfax Fruit Growers Association, Colfax, Calif. Fruits. 217,072; Apr. 13.

Conner, E. C., Pittsburgh, Pa. Mayonnaise, mayonnaise salad dressing, Russian dressing, etc. 219,275; Apr. 13.

Consolidated Flour Mills Company, The, Hutchinson, Kans. Wheat flour, Graham flour, whole-wheat flour, and corn meal. 215,140; Apr. 13.

Consolidated Pump Co., The, Toledo, Ohio. Ladders. 227,004; Apr. 13.

Crippen, Warren H., doing business as Crippen Medicine Company. Compound for rheumatism. 227,636; Apr. 13.

Cronite Foundry Company Limited, The, London, England. Metal and alloys of metal. 228,087; Apr. 13.

Cuesta, Rey & Company, Tampa, Fla. Cigars. 226,639; Apr. 13.

Dance Publishing Corporation, The, New York, N. Y. Monthly magazine. 226,100; Apr. 13.

Darnon, C., St.-Chamond, France. Straps of suspenders. 225,155; Apr. 13.

De Angelis, Raffaele, doing business as Thymoform Company, Providence, R. I. Disinfectant. 227,509; Apr. 13.

Defiance Manufacturing Company, Barrowsville, Mass. Dyes and colors. 227,721; Apr. 13.

Dewalt Products Co., Leola, Pa. Woodworking machinery and parts thereof. 227,343; Apr. 13.

Diamond Power Specialty Corporation, Detroit, Mich. Appliances for cleaning boilers. 227,445; Apr. 13.

Dickman, Albert, Philadelphia, Pa. Fertilizer. 228,089; Apr. 13.

Don Q Mfg. Co., Superior, Wis. Puncture-seal liquids. 227,446; Apr. 13.

Dorward, J. & J. C., Limited, Galashiels, Scotland. Costumes, coats, and skirts for women; hats, caps, suits, and overcoats for men and children. 220,599; Apr. 13.

Dow Chemical Company, The, Midland, Mich. Insecticidal compositions. 227,942; Apr. 13.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 227,299; Apr. 13.

Eg-Cono-Me Manufacturing Company, Des Moines, Iowa. Egg substitutes. 209,779; Apr. 13.

Electric Service Supplies Company, Philadelphia, Pa. Lightning arresters. 227,169; Apr. 13.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 227,266; Apr. 13.

Farwell, John V., Company, Chicago, Ill. Gloves. 159,861; Apr. 13.

Federal Securities Corporation, Chicago, Ill. Printed books and pamphlets. 225,259; Apr. 13.

Feinstein, Harry, doing business as Power Laboratories, Pittsburgh, Pa. Carbon tetrachloride. 211,580; Apr. 13.

Filtration Engineers Inc., New York, N. Y. Automatic vacuum filters and sand filters, drying systems and drum-type driers, etc. 222,029–30; Apr. 13.

Flexlume Corporation, Tonawanda, N. Y. Electrically illuminated signs. 227,513; Apr. 13.

Fonnesbeck, Jens C., doing business as Fonnesbeck Knitting Works, Logan City, Utah. Knitted underwear. 226,720; Apr. 13.

Foy, Marcel B., New York, N. Y. Beauty preparations. 228,234; Apr. 13.

Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa. Builders' hardware. 225,086; Apr. 13.

French, Sanford W., M. D., Brooklyn, N. Y. Preparation for the treatment of leucorrhea and other infections of the female. 227,228; Apr. 13.

Fuller Brush Company, The, Hartford, Conn. Crumb trays, crumb and sink scrapers, tool-brush-holding racks, etc. 203,507; Apr. 13.

Fusetite Corporation, The, Ebensburg, Pa. Cement. 227,172; Apr. 13.

Gaba, A. G., Basel, Switzerland. Voice and throat tablets. 207,454–5; Apr. 13.

Gaines, Clarence E., doing business as Marcello Mfg. Co., Dallas, Tex. Hair-waving preparations. 223,575; Apr. 13.

Galvin Electric Manufacturing Company, St. Louis, Mo. Electric fans. 227,230; Apr. 13.

Gardner Candy Company, Chicago, Ill. Candy. 227,067; Apr. 13.

Gardner, Henry, & Co. Limited, London, England. Raw and partly-prepared india rubber. 227,120; Apr. 13.

Gardner, Robert W., doing business as Battery Recharge Co., Los Angeles, Calif. Storage-battery filling and recharging liquid solution. 227,783; Apr. 13.

Gebr. Waaning-Tilly G. m. b. H., Emmerich-on-the-Rhine, Germany. Medicine for internal use. 209,532; Apr. 13.

Geis-Price Elevator Company, Inc., Enid, Okla. Chicken feed. 224,328; Apr. 13.

Gilbert, Edgar, doing business as Gilbert Laboratories, Morristown, N. J. Medicinal preparation of paramethylguaiacol. 227,784; Apr. 13.

Gilbert, Edgar, doing business as Gilbert Laboratories, Morristown, N. J. Compound of guaiacol used for the treatment of pyorrhea, canker, toothache, and sore gums. 227,785; Apr. 13.

Godet Inc., New York, N. Y. Perfumes. 228,236–7; Apr. 13.

Gordon, Harry J., doing business as The Vincennes Coffee, Tea and Spice Company, Vincennes, Ind. Coffee, tea, spices, and flavoring extracts. 225,709; Apr. 13.

Gould Storage Battery Company, Inc., New York, N. Y. Current-supply devices for radio receiving sets and storage-battery-charging sets. 226,895; Apr. 13.

Haft, Julius, Chicago, Ill. Ladies' hats. 207,564; Apr. 13.

Hales Layer Poster Corporation, New York, N. Y. Picture-construction sets of layer pieces. 223,962; Apr. 13.

Hamilton, Margaret, Memphis, Tenn. Bathing caps. 228,035; Apr. 13.

Hammond, G. H., Company, Chicago, Ill. Oleomargarine. 227,791; Apr. 13.

Harrison Brush Company, Philadelphia, Pa. Brushes. 227,176; Apr. 13.

Hart & Hegeman Mfg. Co., The, Hartford, Conn. Pull sockets. 225,881; Apr. 13.

Hays, Daniel, Company, The, Gloversville, N. Y. Gloves. 225,557; Apr. 13.

Heineman, Felix O., Stockholm, Wis. Medicine. 227,890; Apr. 13.

Heller, L., & Son, Inc., New York, N. Y. Wrist-watch bracelets and sautoirs. 227,453; Apr. 13.

Henderson, W. T., Hickory, N. C. Hosiery. 214,548; Apr. 13.

Henshel Co., Inc., The, New York, N. Y. Artificial pearls. 226,486; Apr. 13.

Herzog, Joseph L., & Co., New York, N. Y. Finger rings. 227,177; Apr. 13.

Hing, Wong, doing business as Mun Hing, Mun Hing Noodle Factory, and Mun Hing Chow Mein and Noodle Factory, Minneapolis, Minn. Chinese foods and groceries. 209,889; Apr. 13.

Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, and overshoes, and rubber-soled canvas shoes. 219,332; Apr. 13.

Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, and overshoes, and rubber-soled canvas shoes. 219,335; Apr. 13.

Hudson, R. A., Company, Incorporated, Auburn, N. Y. Toilet cream. 209,479; Apr. 13.

Hungerford, U. T., Brass & Copper Co., New York, N. Y. Bronze sheets. 227,586; Apr. 13.

I. G. Farbenindustrie Aktiengesellschaft. (See Chemische Fabrik Griesheim Elektron.)

Illinois Glass Company, Alton, Ill. Glass bottles. 213,054; Apr. 13.

Indianapolis Hosiery Company. (See Kafoure, Philip.)

Jay Chemical Company, Cleveland, Ohio. Cough medicines, foot powders, liniments, cold tablets, etc. 216,731; Apr. 13.

Joplin Supply Company, Joplin, Mo. Air cocks, air nozzles, angle valves, valves, etc. 225,500; Apr. 13.

K-D Manufacturing Company. (See Woolworth Chemical Company.)

Kafoure, Philip, doing business as Indianapolis Hosiery Company, Indianapolis, Ind. Hosiery. 228,112; Apr. 13.

Kelly, William C., Orangeburg, S. C. Small empty receptacles. 226,660; Apr. 13.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 225,265; Apr. 13.

Keystone Fruit Products Company, The, Hamilton, Ohio. Baker's vanilla, marshmallow frost, cocoa paste, etc. 223,583; Apr. 13.

Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence. 227,406; Apr. 13.

Kibbe, E. S., Company, The, Hartford, Conn. Canned foods and roasted coffee. 226,198; Apr. 13.

Korolo Game Company, Des Moines, Iowa. Game played with balls and mallets. 226,249; Apr. 13.

La Lysine Fornari International American Corporation, Boston, Mass. Face and hand lotion, vanishing cream, disinfectant preparation, etc. 227,181; Apr. 13.

Landauer & Co., London, England. Canned fruits and vegetables and dried fruits, etc. 223,177; Apr. 13.

Lang-Kohn Manufacturing Company, St. Louis, Mo. Dresses. 218,419; Apr. 13.

Laucks, I. F., Inc., Seattle, Wash. Glue. 227,024; Apr. 13.

La Victoria Packing Co. (See Baca, Pablo.)

Lee, David, doing business as Memphis Sanitary Products Corporation, Memphis, Tenn. Germicidal preparations for use as disinfectants, deodorants, and insecticides. 227,802; Apr. 13.

Leffler, Eli S., doing business as Leffler & Co., St. Louis, Mo. Face lotions. 227,312; Apr. 13.

Leggett, Francis H., & Company, New York, N. Y. Biscuits, coffee, chocolate drops, candy, etc. 219,397; Apr. 13.

Leichter, Mark M., doing business as Liekter's Egyptian Smoke Shop. Cigarettes, cigars, and smoking tobacco. 226,064; Apr. 13.

Leigh Chemist, Inc., New York, N. Y. Face powders, creams, packs, toilet waters, etc. 228,321; Apr. 13.

Liekter's Egyptian Smoke Shop. (See Leichter, Mark M.)

Litex Inc. (See Bulwinkle, John E.)

Live Long Toys, Chicago, Ill. Dolls and footballs. 225,699; Apr. 13.

Loewy, Morris, doing business as New York Machinery Company, New York, N. Y. Baling presses. 226,435; Apr. 13.

Lyons, Leon L., doing business as Lyon Hose Protector Company, Omaha, Nebr. Hose protectors. 225,310; Apr. 13.

Manhattan Shirt Co., The, New York, N. Y. Shirts, drawers, and union suits. 228,003; Apr. 13.

Marathon Battery Company, Wausau, Wis. Batteries and dry cells. 198,812; Apr. 13.

Marcello Mfg. Co. (See Gaines, Clarence E.)

Marshall, John G., Brooklyn, N. Y. Photographic flashlight powder. 227,526; Apr. 13.

Massillon Steel Casting Company, The, Massillon, Ohio. So-called alloy steels and castings made therefrom. 220,733; Apr. 13.

Master Metal Products Inc., Buffalo, N. Y. Garbage and waste cans. 226,250; Apr. 13.

Mauser Mill Company, Laurys, Pa. Wheat flour. 226,152; Apr. 13.

McClelland, Walter J., New York, N. Y. Hosiery. 226,069; Apr. 13.

McClung, C. M., & Co., Knoxville, Tenn. Smooth-surface asphalt ready roofing. 225,368; Apr. 13.

McCord-Brady Co., Omaha, Nebr. Canned vegetables, fruits, fish, etc. 226,298; Apr. 13.

McGovern & McGovern, Seattle, Wash. Canned salmon and canned loganberries. 219,901; Apr. 13.

Melker, A. R., New York, N. Y. Paper napkins and towels. 226,962; Apr. 13.

Melnick, Isidore, New York, N. Y. Paper bags. 225,670; Apr. 13.

Memphis Sanitary Products Corporation. (See Lee, David.)

Metronome Publishing Co. Inc., The, New York, N. Y. Name of a semimonthly magazine. 227,407; Apr. 13.

Meyers Hats Inc., New York, N. Y. Ladies' hats. 227,595; Apr. 13.

Michigan Fruit Growers, Incorporated, Benton Harbor, Mich. Fresh and canned fruits. 218,983; Apr. 13.

Milton Piano Company, New York, N. Y. Pianos. 227,409; Apr. 13.

Minneapolis Brewing Company, Minneapolis, Minn. Ginger ale. 227,528; Apr. 13.

Mithra Cultures de Plantes Medicinales, S. a. r. l., Lemberg, France. Barium sulphate. 209,931; Apr. 13.

Model Mill Company, Johnson City, Tenn. Plain wheat flour and self-rising flour. 227,592; Apr. 13.

Musical Observer Co. Inc., The, New York, N. Y. Name of a monthly magazine. 227,410; Apr. 13.

National Automatic Burner Company, Seattle, Wash. Oil burners. 227,081; Apr. 13.

National Glove Company, The, Columbus, Ohio. Leather gloves and cotton gloves with leather palms. 223,933; Apr. 13.

National Pigments & Chemical Company, St. Louis, Mo. Barytes (barium sulphate) adapted particularly in the making of a mud-laden fluid for oil wells. 227,806; Apr. 13.

Navarro, Hijo de Juan J., Espinardo-Murcia, Spain, and New York, N. Y. Paprika. 217,710; Apr. 13.

Nelson, Baker & Company, Detroit, Mich. Face powder, skin cream, and toilet water. 226,365; Apr. 13.

Newbern Pharmacy, Newbern, Ala. Preparations for the treatment of catarrh, hay fever, insect bites, etc. 223,736; Apr. 13.

New Castle Grocery Co., New Castle, Pa. Canned fruits, vegetables, bottled cherries and olives, etc. 208,157; Apr. 13.

New York Machinery Company. (See Loewy, Morris.)

Nomad Kit Bag Co., Inc., New York, N. Y. Collapsible cardboard paper bags. 227,531; Apr. 13.

North East Electric Company, Rochester, N. Y. Electric signal horns. 227,185; Apr. 13.

Novex Laboratories, Inc., New York, N. Y. Sanitary napkins. 226,734; Apr. 13.

Odell, R., & Sons Company, assignor to The Odell Company, Newark, N. J. Hair tonic. 153,614; Apr. 13.

Ohio Clay Company, The, Cleveland, Ohio. Tile and brick. 227,032; Apr. 13.

Oolitic, Victor, Stone Company, Kankakee, Ill. Stone for building or other purposes. 227,282; Apr. 13.

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Opler, E. & A., Inc., Chicago, Ill. Cocoa and chocolate. 226,783; Apr. 13.
Orland's, Dr., Health Products Laboratory, Philadelphia, Pa. Lozenges or tablets for sore throat, coughs, bronchitis, etc. 224,471; Apr. 13.
Ormsby, Hamilton, Louisville, Ky. Chewing tobacco. 226,017; Apr. 13.
Osborne Fruit & Vegetable Co., Fullerton, Calif. Oranges, lemons, grapefruit, grapes, tomatoes, etc. 219,887; Apr. 13.
Oster Manufacturing Company, The, Cleveland, Ohio. Power-driven threading and pipe-working tools and machines and parts thereof. 224,201; Apr. 13.
Pacific Legion, Inc., The, Portland, Oreg. Monthly magazine. 224,720; Apr. 13.
Pacque, Inc., New York, N. Y. Astringent cosmetics. 227,099; Apr. 13.
Paff Laboratories. (See Pfaff, Charles B.)
Paramount Belt and Novelty Co., The, New York, N. Y. Belts for personal wear. 213,591; Apr. 13.
Parfumerie Roger et Gallet, Paris, France. Cosmetics, pastes, powders, and toilet preparations, and perfumery. 227,414; Apr. 13.
Passen-Stein, Louis, doing business as Peach Bloom Products Company, Chicago, Ill. Beauty clay for the complexion. 227,327; Apr. 13.
Peach Bloom Products Company. (See Passen-Stein, Louis.)
Peak Motor Products Company, Inc., Brooklyn, N. Y. Automobile ignition parts. 227,533; Apr. 13.
Pep Manufacturing Company, Wilmington, Del., and New York, N. Y. A-battery eliminators, B-battery eliminators, C-battery eliminators, and battery chargers. 225,052; Apr. 13.
Pequot Manufacturing Corporation, Long Island City, N. Y. Receptacles, shipping and packing cases, and containers made of corrugated pasteboard. 209,689; Apr. 13.
Perfection Biscuit Company, Fort Wayne, Ind. Sugar-wafer bar cake. 225,730; Apr. 13.
Pfaff, Charles B., doing business as Paff Laboratories, Detroit, Mich. Flavors for cakes, icings, desserts, etc. 226,863; Apr. 13.
Pinkham Holding Co., Los Angeles, Calif. Grapes. 218,328; Apr. 13.
Pinkham Holding Co., Los Angeles, Calif. Grapes. 218,331; Apr. 13.
Pinkus, Eugene, New York, N. Y. Hypodermic syringes. 228,066; Apr. 13.
Piru Citrus Association, Piru, Calif. Fresh citrous fruits. 224,043; Apr. 13.
Posner, David H., Inc., Boston, Mass. Underwear, shirts and shirt waists, hosiery, and dresses. 223,055; Apr. 13.
Potter-Wrightington, Inc., Boston, Mass. Fish food. 212,033; Apr. 13.
Power Laboratories. (See Feinstein, Harry.)
Praechtl, George J., Pine Hill, Buffalo, N. Y. Healing salve. 221,381; Apr. 13.
Premo Drug & Novelty Co. (See Blackman, Jacob.)
Prenosil, Joseph F., Georgetown, Minn. Beet blockers. 226,557; Apr. 13.
Press Publishing Company, New York, N. Y. Title for daily comic strip in newspaper. 226,866; Apr. 13.
Quaker Oats Company, The, Chicago, Ill. Rolled oats. 227,601; Apr. 13.
Queen City Bottling Co., The, Cincinnati, Ohio. Artificial Vichy water. 226,077; Apr. 13.
Radium Emanation Corporation, The, New York, N. Y. Radium, including radium emanation. 227,248; Apr. 13.
Rechtman & Raphal, Baltimore, Md. Men's suits and overcoats. 201,581; Apr. 13.
Red Star Milling Company, The, Wichita, Kans. Wheat flour. 209,365; Apr. 13.
Reichard-Coulston, Inc., New York, N. Y. Dry earth pigments. 218,718–19; Apr. 13.
Reid, Murdoch & Co., Chicago, Ill. Candy. 222,139; Apr. 13.
Reis', Dr. Ignace J., Products Company, Chicago, Ill. Powdered preparation used for the purpose of preventing excessive perspiration of the feet and cracking of the skin between the toes. 227,188; Apr. 13.
Reis', Dr. Ignace J., Products Company, Chicago, Ill. Powdered preparation used for the purpose of healing inflamed, feverish, and swollen feet. 227,189; Apr. 13.
Rettger, Leo F., New Haven, Conn. Cultured milk and cultures used in making cultured milk. 226,738; Apr. 13.
Rich, Albert L., New York, N. Y. Preserved ginger, crystallized ginger, and wine jelly. 222,089; Apr. 13.
Rich, E. C., Inc., New York, N. Y. Fruit-flavored tablets. 227,965; Apr. 13.
Ritner, Stewart, Reading, Pa. Candy. 210,083; Apr. 13.
Robert, L. (See Binsfeld, Louise.)
Rockwell, Stanley P., Company, The, Hartford, Conn. Dilatometers. 227,040; Apr. 13.
Roco Co. (See Romanoff, Herbert.)
Rodriguez, Virgilio, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 226,877; Apr. 13.
Romanoff, Herbert, doing business as Roco Co., New York, N. Y. Coconut-oil pomade. 228,271; Apr. 13.
Rosenbluth, Edwin M., doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Fungicides. 223,661; Apr. 13.
Rub-No-More Company, The, Fort Wayne, Ind. Washing powder, soap flakes, and naphtha soap. 222,800; Apr. 13.
Ruppe Mortuary, The, Los Angeles, Calif. Composition of matter for disposing of aqueous emanations from human remains. 226,515; Apr. 13.
Russell, Samuel J., doing business as Chlor-vis Chemical Co., Chicago, Ill. Medicinal preparations having antiseptic, deodorant, stimulant, etc., properties. 226,562; Apr. 13.
Ryan-Hampton Tobacco Co., Louisville, Ky. Chewing tobacco. 226,024; Apr. 13.
Sar-A-Lee Company, The, Cleveland, Ohio. Mayonnaise spread for sandwiches, vegetable relish, etc. 223,143; Apr. 13.
Schenkein, Samuel M., Newark, N. J. Metal rule suitable for use as a paper weight, gauge, etc. 227,370; Apr. 13.
Schimmel & Co., Miltitz, near Leipzig, Germany. Perfumes, essential oils, synthetic perfume materials, ethereal oils, and perfume bases. 227,855; Apr. 13.
Schoeneman, J., Incorporated, Baltimore, Md. Topcoats and overcoats. 226,306; Apr. 13.
Schwartz, Roy H., doing business as R. H. Schwartz Tire Flap Manufacturing Co., Cleveland, Ohio. Tire flaps. 225,620; Apr. 13.
Sealy-Dresser Co., Portland, Oreg. Fresh apples and walnuts. 226,169; Apr. 13.
Sego Milk Products Co., Salt Lake City, Utah. Butter. 225,982; Apr. 13.
Shaw-Walker Company, The, Muskegon, Mich. Safes. 227,691; Apr. 13.
Sierra Food Company, Los Angeles, Calif. Saratoga chips and salad dressing. 209,501; Apr. 13.
Siltem, Dr. Ernst, Berlin, Germany. Medicaments for the treatment of malignant tumors in men and animals and organic preparations made from the spleen, etc. 224,113; Apr. 13.
Smith & Sons Corporation, Buffalo, N. Y. Hairpins. 225,811–12; Apr. 13.
Sodoasis Manufacturing Co., Los Angeles, Calif. Automatic soda fountain. 226,083; Apr. 13.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 224,116; Apr. 13.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 224,786; Apr. 13.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 227,794; Apr. 13.
Sowers Manufacturing Company, Buffalo, N. Y. Mixers, vacuum pans, digesters, etc. 191,418; Apr. 13.
Spach, J. C., Wagon Works, Winston-Salem, N. C. Chairs and tables for household purposes. 222,713; Apr. 13.
Spalding, A. G., & Bros., New York, N. Y. Score books. 220,368; Apr. 13.
Spalding, A. G., & Sons, New York, N. Y. Tennis rackets. 226,308; Apr. 13.
Spraco Painting Equipment Company. Straightedge-forming attachment for spray guns. 227,539; Apr. 13.
Standard Statistics Company, Inc., New York, N. Y. Books, leaflets, letters, circulars, etc. 223,666; Apr. 13.
Stanley, John T., Co., Inc., New York, N. Y. Laundry pads. 221,781; Apr. 13.
Sterling Poducts Company, Easton, Pa. Acetamide, acetic anhydride, acetone, acetyl chloride. 220,581; Apr. 13.
Stevenson, W. N., & Co., New York, N. Y. Umbrellas and umbrella handles. 227,864; Apr. 13.
Stover, Holly, Incorporated, Chicago, Ill. Coal. 227,017; Apr. 13.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephonic instruments and apparatus and radio apparatus, parts, and appurtenances. 221,143; Apr. 13.
Sturtevant, B. F., Company, Hyde Park, Boston, Mass. Fans, blowers, paint, gas engines, etc. 173,055; Apr. 13.
Sullivan Brush Co., Sullivan, Ind. Brushes. 222,802; Apr. 13.
Surbrug's Nut Products, Ltd., New York, N. Y. Nuts. 209,439; Apr. 13.
Tell City Furniture Company, Tell City, Ind. Household furniture. 223,347; Apr. 13.
Thymoform Company. (See De Angelis, Raffaele.)
Trung Manufacturing Co., Inc., Astoria, Long Island, N. Y. Art embroidery outfits. 209,599; Apr. 13.
Tri-Ergon A.-G., Zurich, Switzerland. Cinematograph recording and exhibiting apparatus, films bearing moving-picture records, etc. 207,418; Apr. 13.
Tuor & Staudenmann Schweiz. Citrovinfabrik, Lofingen, Switzerland. Mayonnaise and salad dressing. 218,584; Apr. 13.
Twentieth Century Manufacturing Co., Grand Rapids, Iowa. Liquid soap and shampoo soap. 210,765; Apr. 13.
United Drug Company, Boston, Mass. Sanitary napkins. 226,836; Apr. 13.
UpJohn Company, The, Kalamazoo, Mich. Ointment for treatment of skin diseases. 227,976; Apr. 13.
Utility Co., Inc., The, New York, N. Y. Cleansing compound for the skin, fabrics, etc. 226,928; Apr. 13.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Valentine's Meat-Juice Company, Richmond, Va. Extracts of meat and compounds thereof. 226,749–50; Apr. 13.
Valley Electric Company, Wilmington, Del., and St. Louis, Mo. Electric motors, electric relays, electrically-driven buffers, etc. 222,644; Apr. 13.
Vlucennes Coffee, Tea, and Spice Company, The. (See Gordon, Harry J.)
Vogel Brothers Company, Inc., New York, N. Y. Collar buttons, cuff links, pins, earrings, bracelets, etc. 224,736; Apr. 13.
Waldrep, J. A., Tulsa, Okla. Candy and chocolates. 227,617; Apr. 13.
Walker, Henry L., San Francisco, Calif. Waffles. 218,674; Apr. 13.
Werner Poultry Co., The, Minneapolis, Minn. Dressed poultry and eggs. 224,891; Apr. 13.
Western Chemical Company, Inc., Hutchinson, Minn. Iodine antiseptic. 198,726; Apr. 13.
Weston Electrical Instrument Corporation, Newark, N. J. Voltmeters. 227,097; Apr. 13.
Wickwire Spencer Steel Company, New York, N. Y. Galvanized or zinc-coated wire screen cloth, wire fabric, and wire netting. 227,546; Apr. 13.
Winter, Alexander, and Sons, Bath Pistany, Czechoslovakia. Medical mineral products. 215,428; Apr. 13.
Wittmaak, Harold S., Erie, Pa. Rubber toy figures, such as inflated dolls and similar characters, rubber balls, and rubber toy balloons. 226,410; Apr. 13.
Woolworth Chemical Company, Lititz, Pa., doing business as K-D Manufacturing Company, Lancaster, Pa. Rear-vision mirror for automobiles. 225,753; Apr. 13.
Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Steel plates. 227,868; Apr. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Boots and shoes and leather used in their manufacture, Leather. Rice & Hutchins, Incorporated. 54,526; renewed June 26, 1926.
Coal. Beaver Dam Coal Company. 211,683; Apr. 13.

CLASS 2.

Candle containers. Standard Oil Company. 211,655; Apr. 13; Serial No. 206,261; published Feb. 2, 1926.
Eyeglasses, spectacles, and parts and repairs and cases therefor. E. Kirkstein Sons Co. 51,884; renewed Apr. 24, 1926.
Fiber ware, Indurated. United Indurated Fibre Co. of New Jersey. 54,688; renewed June 26, 1926.
News bags. Allied Belting Company. 211,657; Apr. 13; Serial No. 203,925; published Feb. 2, 1926.
Receptacles, Metal street waste. American Spotless Street System, Inc. 211,661; Apr. 13; Serial No. 223,200; published Feb. 2, 1926.

CLASS 3.

Straps, Woven trunk, razor, skate, and bag. Buffalo Weaving & Belting Co. 211,403; Apr. 13; Serial No. 136,391; published Nov. 24, 1925.
Trunks, Wardrobe. Hartmann Trunk Company. 211,455; Apr. 13; Serial No. 205,753; published Jan. 19, 1926.

CLASS 4.

Cleaner, Type. Perfection Products Co. 211,511; Apr. 13; Serial No. 205,488; published Jan. 12, 1926.
Cleaning and polishing powder. W. G. Roll. 211,483; Apr. 13; Serial No. 221,567; published Jan. 12, 1926.
Cleaning preparation. F. D. Davidson Company. 211,509; Apr. 13; Serial No. 208,460; published Jan. 12, 1926.
Cleaning preparation. R. A. Precourt. 211,650; Apr. 13; Serial No. 219,909; published Jan. 12, 1926.
Cleansing preparation having disinfecting and deodorizing properties. Fluxo Products Company. 211,652; Apr. 13; Serial No. 220,338; published Feb. 2, 1926.
Dry-cleaning liquid. Tailor's Cleaning Fluid Company. 211,611; Apr. 13; Serial No. 222,414; published Jan. 12, 1926.
Leather, Material for repairing patent. Mullen Brothers. 211,482; Apr. 13; Serial No. 221,630; published Jan. 12, 1926.
Polish for cleaning and polishing russet and tan colored shoes. Whittemore Bro's. and Co. 54,090; renewed June 19, 1926.
Polish for shoes. Whittemore Brothers and Company. 52,312; renewed May 8, 1926.
Polish, Powdered stove. X-Ray Stove Polish Co. 50,495; renewed Mar. 20, 1926.
Preparation for polishing metals, glassware, etc. O. Foon. 211,645; Apr. 13; Serial No. 221,250; published Jan. 12, 1926.
Soap and cleansing compounds. H. J. Kohl. 211,502; Apr. 13; Serial No. 203,082; published Dec. 8, 1925.
Soap, Mechanics' hand. C. F. Valentine. 211,660; Apr. 13; Serial No. 221,725; published Jan. 12, 1926.
Soaps. Franklin Simon & Co. 211,506; Apr. 13; Serial No. 208,752; published May 5, 1925.
Soaps. Franklin Simon & Co. 211,507; Apr. 13; Serial No. 208,750; published May 5, 1925.
Soaps. Parfumerie Roger et Gallet. 211,598; Apr. 13; Serial No. 224,261; published Feb. 9, 1926.

CLASS 5.

Adhesive mending cement. V. F. Van Stan. 211,454; Apr. 13; Serial No. 208,791; published Jan. 19, 1926.
Adhesive paste. Crowley, Milner & Company. 211,634; Apr. 13; Serial No. 223,025; published Feb. 2, 1926.
Adhesive pastes. Seidner & Enequist, Inc. 211,623; Apr. 13; Serial No. 222,146; published Feb. 2, 1926.
Chemical compound for making automobile tires puncture-proof. Patchlessall Manufacturing Co. 211,443; Apr. 13; Serial No. 218,870; published Feb. 2, 1926.

CLASS 6.

Ammonia and bluing. American Stores Company. 211,484; Apr. 13; Serial No. 220,831; published Jan. 19, 1926.
Ammonium salt. Wallace & Tiernan Co. 211,516; Apr. 13; Serial No. 224,309; published Jan. 26, 1926.
Anodyne for external and internal use. Norwich Pharmacal Company. 45,792; renewed Aug. 29, 1925.
Aromatic compounds. Morana Incorporated. 211,461; Apr. 13; Serial No. 214,265; published June 30, 1925.
Bath essence, bath tablets, and bath powder. Hugo Duschner G. m. b. H. 211,554; Apr. 13; Serial No. 219,669; published Jan. 19, 1926.
Bath salts, face powder, shampoo solution, etc. Kolynos Co. 211,381; Apr. 13; Serial No. 224,027; published Jan. 26, 1926.
Battery-sealing compounds. Standard Oil Company (New Jersey). 211,495; Apr. 13; Serial No. 223,975; published Jan. 26, 1926.
Blue, Bearing. H. C. Thompson. 211,512; Apr. 13; Serial No. 205,250; published Jan. 19, 1926.
Bluing. O. Munselle. 211,518; Apr. 13; Serial No. 203,050; published Oct. 27, 1925.
Chemicals for photographic purposes. Penn Process Company. 211,536; Apr. 13; Serial No. 223,322; published Jan. 26, 1926.
Compound for automobile radiators, Nonfreezing. A. H. Peterson. 211,681; Apr. 13.
Compound, Medical. Brandreth Co., The. 53,581; renewed June 5, 1926.
Cream, face powder, rouge, etc., Cold. Removo Laboratories, Inc. 211,494; Apr. 13; Serial No. 220,142; published Jan. 19, 1926.
Cream-impregnated tissues, Cold-. J. S. Berliner. 211,414; Apr. 13; Serial No. 212,850; published June 23, 1925.
Creams, Cold and cleansing. Dr. C. H. Berry Company. 211,368; Apr. 13; Serial No. 219,026; published Nov. 3, 1925.
Creams, hand lotions, face powder, and toilet water, Face. M. Sarnes. 211,642; Apr. 13; Serial No. 221,569; published Jan. 19, 1926.
Creams, perfumery extracts, sachet and face powders, etc., Massage and cold. Woodward & Lothrop. 211,379; Apr. 13; Serial No. 223,269; published Jan. 26, 1926.
Deodorant. Heck-Conard Co. 211,668; Apr. 13; Serial No. 222,676; published Feb. 2, 1926.
Disinfectant, Powdered paint. National Powder Paint Co. 211,384; Apr. 13; Serial No. 224,343; published Feb. 2, 1926.
Dyes. Monroe Drug Company. 211,479; Apr. 13; Serial No. 223,930; published Jan. 26, 1926.
Dyes. Monroe Drug Company. 211,488; Apr. 13; Serial No. 223,929; published Jan. 26, 1926.
Face lotions. A. J. Krank. 211,383; Apr. 13; Serial No. 224,338; published Feb. 2, 1926.
Fire-extinguishing compounds. Extinguishers Limited. 211,424; Apr. 13; Serial No. 223,629; published Jan. 26, 1926.
Glycerin, Radiator. James S. Kirk & Company. 211,524; Apr. 13; Serial No. 223,122; published Jan. 19, 1926.
Gum containing iodine, Chewing. American Chicle Company. 211,429; Apr. 13; Serial No. 223,072; published Jan. 12, 1926.
Hairdressings. H. Temkin. 211,574; Apr. 13; Serial No. 223,813; published Jan. 26, 1926.
Hair shampoo. H. V. Britton. 211,476; Apr. 13; Serial No. 223,956; published Jan. 26, 1926.
Hair tonic. W. Frubleusky. 211,638; Apr. 13; Serial No. 225,087; published Feb. 2, 1926.
Heave cure. M. W. Savage. 48,696; renewed Jan. 9, 1926.
Ink eradicators. R. M. Fingerhut. 211,370; Apr. 13; Serial No. 223,841; published Jan. 26, 1926.
Insecticide. R. L. Wortham. 211,537; Apr. 13; Serial No. 201,067; published Jan. 26, 192

Insecticides. Talbot Manufacturing Co. 211,607; Apr. 13; Serial No. 222,888; published Jan. 26, 1926.
Laxative and cathartic. I. E. Emerson. 211,538; Apr. 13; Serial No. 223,776; published Jan. 26, 1926.
Laxative, Fruit. Laxa-Raisin Co. 211,564; Apr. 13; Serial No. 223,308; published Feb. 2, 1926.
Laxative medicines. Dr. Miles Medical Company. 211,498; Apr. 13; Serial No. 211,795; published Oct. 13, 1925.
Laxative, Vegetable compound used internally as a. W. M. Walter. 211,485; Apr. 13; Serial No. 218,224; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,486–7; Apr. 13; Serial Nos. 218,111–12; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,497; Apr. 13; Serial No. 218,109; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,527; Apr. 13; Serial No. 218,110; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,551; Apr. 13; Serial No. 218,115; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,552; Apr. 13; Serial No. 218,113; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,553; Apr. 13; Serial No. 218,116; published Jan. 19, 1926.
Liniment. Dr. Peter Fahrney & Sons Co. 211,563; Apr. 13; Serial No. 218,114; published Jan. 19, 1926.
Medicated uterine wafers. J. H. Miller. 54,978; renewed Aug. 7, 1926.
Medicinal preparation. C. C. Howard. 211,499; Apr. 13; Serial No. 211,475; published Dec. 15, 1925.
Medicine. N. F. Tate. 211,674; Apr. 13.
Medicine, Blood. Ronox Pharmaceutical Company. 211,427; Apr. 13; Serial No. 224,206; published Feb. 2, 1926.
Medicine for indigestion, constipation, kidney and stomach ailments. A. R. Daumi. 211,467; Apr. 13; Serial No. 222,918; published Jan. 19, 1926.
Medicine, Proprietary. Brandreth Co. 53,199; renewed May 29, 1926.
Mouth wash and tooth powder. G. J. Cervelli. 211,456; Apr. 13; Serial No. 204,541; published Sept. 8, 1925.
Nail polish. Gloray Company. 211,520; Apr. 13; Serial No. 224,014; published Jan. 26, 1926.
Ointments and preparations employing oils, butter, glycerin, and other viscous or jellylike substances. Norwich Pharmacal Company. 46,159; renewed Sept. 5, 1925.
Paste used for scouring wool. E. F. Drew & Co. 211,654; Apr. 13; Serial No. 208,045; published Feb. 2, 1926.
Perfume extracts, toilet water, bay rum, etc. R. H. Macy & Co. 211,501; Apr. 13; Serial No. 210,493; published Jan. 26, 1926.
Perfumes. E. J. Fay. 211,596; Apr. 13; Serial No. 224,183; published Feb. 2, 1926.
Perfumes, rouge, etc. C. A. Lamothe. 211,609; Apr. 13; Serial No. 221,971; published Jan. 26, 1926.
Perfumes, toilet water, face powder, etc. R. Toboul. 211,572; Apr. 13; Serial No. 223,699; published Jan. 26, 1926.
Perfumery. Frederick Stearns & Co. 47,269; renewed Oct. 31, 1925.
Perfumery extracts, alcoholic perfumery, talcum powder, etc. Marie de France Laboratories, Inc. 211,426; Apr. 13; Serial No. 224,099; published Feb. 2, 1926.
Poison for insects. R. Drumm. 53,336; renewed May 29, 1926.
Preparation for killing roaches, rats, etc. John Opitz, Inc. 211,496; Apr. 13; Serial No. 223,973; published Jan. 26, 1926.
Preparation for rheumatism. G. H. McClellan and C. L. Jackson. 211,662; Apr. 13; Serial No. 222,694; published Feb. 2, 1926.
Preparation for the destruction of vermin and insects, Chemical. Rigo Manufacturing Company. 211,523; Apr. 13; Serial No. 223,189; published Jan. 19, 1926.
Preparation for the relief of painful menstruation. Vi Renz Laboratory. 211,581; Apr. 13; Serial No. 223,756; published Jan. 26, 1926.
Preparation for treatment of coughs, colds, and bronchitis. G. H. Center. 211,625; Apr. 13; Serial No. 222,063; published Jan. 26, 1926.
Preparation for tuberculosis and asthma. Paddy and Theodore. 211,385; Apr. 13; Serial No. 224,349; published Feb. 2, 1926.
Preparation used in the treatment of ailments peculiar to women. Dr. Peter Fahrney & Sons Co. 211,559; Apr. 13; Serial No. 218,117; published Jan. 19, 1926.
Preventives, fungicides, and insecticides, Plant. Actien-Gesellschaft für Anilin Fabrikation. 211,464; Apr. 13; Serial No. 210 992; published Jan. 19, 1926.
Remedy. Moro Medical Co. 53,086; renewed May 22, 1926.
Remedy, Dandruff. G. W. Noonan. 211,525; Apr. 13; Serial 223,101; published Jan. 19, 1926.
Remedy for external application to animals, Certain proprietary. Brandreth Co. 51,632; renewed Apr. 17, 1926.
Remedy for indigestion, dyspepsia, etc. G. E. Pake. 211,673; Apr. 13; Serial No. 218,079; published Feb. 2, 1926.
Salve. F. F. Hrushka. 211,500; Apr. 13; Serial No. 210,537; published Oct. 27, 1925.
Salve. A. F. Woodward. 211,478; Apr. 13; Serial No. 223,951; published Jan. 26, 1926.
Salve for eczema, ringworm, itch, etc. D. C. Flowers. 211,597; Apr. 13; Serial No. 224,184; published Feb. 2, 1926.
Salve, Healing. Prion and Prion. 211,618; Apr. 13; Serial No. 222,578; published Jan. 19, 1926.
Snail-control meal. Antrol Laboratories, Inc. 211,521; Apr. 13; Serial No. 223,985; published Jan. 26, 1926.
Tablets and a saline laxative compound. A. L. Duplantis. 211,374; Apr. 13; Serial No. 222,445; published Jan. 26, 1926.
Tablets for aid in reducing. Hanly Products Co. 211,519; Apr. 13; Serial No. 224,021; published Jan. 26, 1926.
Toilet powders. Abonita Company. 211,477; Apr. 13; Serial No. 223,953; published Jan. 26, 1926.
Toilet water, perfume, sachet, face creams, and toilet powder, Romola Parfumerie, Inc. 211,582; Apr. 13; Serial No. 224,265; published Jan. 26, 1926.
Tonic for dogs. G. C. Anderson. 211,580; Apr. 13; Serial No. 223,760; published Jan. 26, 1926.
Tonic, General. A. E. Hendey. 211,514; Apr. 13; Serial No. 201,890; published Nov. 25, 1924.
Tonic, Medicinal. Purexo Products Co. 211,490; Apr. 13; Serial No. 223,866; published Jan. 26, 1926.
Tonic, Skin. J. V. Lago. 211,575; Apr. 13; Serial No. 223,729. published Jan. 26, 1926.
Tonics. F. A. Luyties. 49,588; renewed Feb. 13, 1926.

CLASS 7.

Rope, Wire. E. H. Edwards Company. 211,550; Apr. 13; Serial No. 217,075; published Jan. 26, 1926.

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches. Gros, Grenier, Ostorero & Cie. 211,439–40; Apr. 13; Serial Nos. 220,849–50; published Feb. 2, 1926.
Pipes, cigar and cigarette holders, and tobacco pouches. Gros, Grenier, Ostorero & Cie. 211,441; Apr. 13; Serial No. 220,847; published Feb. 2, 1926.
Pipes, cigars and cigarette tubes, Tobacco. Adolph Frankau & Co. Ltd. 53,968; renewed June 19, 1926.

CLASS 9.

Explosives. Nobel's Explosives Company Limited. 51,566; renewed Apr. 17, 1926.
Matches. Ohio Match Company. 211,533; Apr. 13; Serial No. 223,596; published Feb. 2, 1926.
Matches. Ohio Match Company. 211,534; Apr. 13; Serial No. 223,592; published Feb. 2, 1926.
Matches. Wald. Tefke. 211,474; Apr. 13; Serial No. 221,340; published Feb. 2, 1926.
Percussion caps. Eley Brothers Limited. 53,747; renewed June 12, 1926.

CLASS 13.

Chains, chain parts, roller and connecting links. Diamond Chain and Manufacturing Company. 211,419; Apr. 13; Serial No. 222,786; published Jan. 12, 1926.
Cooking utensils, Cast aluminum. Reynolds Aluminum Company. 211,664; Apr. 13; Serial No. 220,469; published Feb. 2, 1926.
Dish drainers, sponge holders, soap dishes, broilers, etc. Marlboro Wire Goods Company. 211,663; Apr. 13; Serial No. 222,515; published Feb. 2, 1926.
Fencing, Woven-wire. American Steel and Wire Company of New Jersey. 211,402; Apr. 13; Serial No. 224,043; published Feb. 2, 1926.
Pots, teakettles, pans, waffle irons, etc. Wagner Manufacturing Company. 211,388; Apr. 13; Serial No. 223,147; published Jan. 19, 1926.
Railway-track bolts. American Iron & Steel M'f'g Co. 49,089; renewed Jan. 23, 1926.
Traps, Steam. W. B. Connor Co. 211,648; Apr. 13; Serial No. 220,842; published Jan. 19, 1926.
Tube receptacles, Holding and dispensing apparatus for. Kleinknecht & Brose. 211,650; Apr. 13; Serial No. 194,455; published May 26, 1925.
Wire cloths and screens. W. S. Tyler Company. 52,388; renewed May 8, 1926.

CLASS 14.

Steel. Canton Steel Company. 53,116; renewed May 29, 1926.
Steel. Crucible Steel Company of America. 50,642–3; renewed Mar. 27, 1926.
Steel. Crucible Steel Company of America. 50,897–9; renewed Apr. 3, 1926.
Steel. Crucible Steel Company of America. 52,260–1; renewed May 8, 1926.
Steel. Crucible Steel Company of America. 52,657; renewed May 15, 1926.
Steel. Crucible Steel Company of America. 53,118; renewed May 29, 1926.
Steel. Park Steel Company. 52,277–8; renewed May 8, 1926.
Steel and iron sheets. Tennessee Coal, Iron & Railroad Company. 211,442; Apr. 13; Serial No. 220,156; published Jan. 26, 1926.

CLASS 16.

Paint, Mixed. Chas. R. Long, Jr. Company. 54,807; renewed July 31, 1926.

Paints, Ready-mixed. W. W. Lawrence & Company. 55,527; renewed Aug. 14, 1926.
Stains, Shingle. Dexter Brothers Co. 53,951; renewed June 19, 1926.
Varnishes. Chase, Roberts & Company. 54,221; renewed June 19, 1926.

CLASS 17.

Cigarettes. S. Benaderet, Inc. 211,428; Apr. 13; Serial No. 223,833; published Feb. 2, 1926.
Cigarettes. Continental Tobacco Company. 211,378; Apr. 13; Serial No. 223,216; published Feb. 2, 1926.
Cigars. C. Breynaert. 211,376; Apr. 13; Serial No. 223,161; published Feb. 2, 1926.
Cigars, Havana. H. De Cabanas y Carbajal. 55,153; renewed Aug. 7, 1926.
Cigars, Havana. Havana Commercial Company. 54,826; renewed July 31, 1926.
Cigars, Havana. Havana Commercial Company. 54,937; renewed Aug. 7, 1926.
Cigars, Havana. Havana Commercial Company. 55,290; renewed Aug. 14, 1926.
Cigars, Havana. J. S. Murias y Ca. 54,920; renewed Aug. 7, 1926.
Snuff. Byfield Snuff Co. 50,871; renewed Apr. 3, 1926.
Tobacco, Chewing and smoking. Hoffman and Company. 52,486; renewed May 8, 1926.
Tobacco, cigars, cigarettes, etc., Leaf. Haus Neuerburg o. H. G. 211,459; Apr. 13; Serial No. 214,727; published Feb. 2, 1926.
Tobacco products. Kraus & Co. 211,421; Apr. 13; Serial No. 223,307; published Feb. 2, 1926.

CLASS 20.

Floor coverings, Prepared. Paraffine Companies, Inc. 211,469; Apr. 13; Serial No. 222,759; published Feb. 2, 1926.

CLASS 21.

Fans, Electric. S. A. X. Vertical Fan Company. 211,658; Apr. 13; Serial No. 218,144; published Feb. 2, 1926.

CLASS 22.

Archery game. Doremus, Schoen & Co. 211,615; Apr. 13; Serial No. 222,444; published Feb. 2, 1926.
Dolls. B. B. Kollin. 211,587; Apr. 13; Serial No. 223,479; published Feb. 2, 1926.
Game played with pieces, Parlor board. J. Greco. 211,609; Apr. 13; Serial No. 223,228; published Feb. 2, 1926.
Gymnastic apparatus and medical appliances. Aktiebolaget Göranssons Mekaniska Verkstad Limited. 27,394; renewed Dec. 3, 1925.
Molds for making toy figures and the material used therewith sold as a unit. H. L. Male. 211,565; Apr. 13; Serial No. 223,311; published Feb. 2, 1926.

CLASS 23.

Ball and roller bearings, rings, housings, etc. Skayef Ball Bearing Company. 211,633; Apr. 13; Serial No. 222,998; published Feb. 2, 1926.
Ball bearings, roller bearings, and parts thereof. Skayef Ball Bearing Company. 211,632; Apr. 13; Serial No. 222,997; published Feb. 2, 1926.
Cement mixers. A. S. Aloe Co. 211,432; Apr. 13; Serial No. 223,353; published Jan. 26, 1926.
Cutters, Glass. W. L. Barrett. 54,240; renewed June 26, 1926.
Filters, Oil. Motor Improvements, Inc. 211,610; Apr. 13; Serial No. 222,334; published Feb. 2, 1926.
Gin saws, Machine for filing and gumming. A. A. Wood & Sons Co. 55,555; renewed Aug. 14, 1926.
Magazine lubricating devices. C. T. Myers. 211,522; Apr. 13; Serial No. 222,336; published Jan. 19, 1926.
Picks, Ice. Fletcher Works Incorporated. 211,380; Apr. 13; Serial No. 223,291; published Jan. 26, 1926.
Plows and plow parts. Collins Company. 211,373; Apr. 13; Serial No. 222,442; published Jan. 19, 1926.
Printing addresses or other matter, Machines for. Addressograph Company. 54,697; renewed June 26, 1926.
Pulleys. American Belting & Hose Co. 211,453; Apr. 13; Serial No. 210,030; published Jan. 19, 1926.
Pumping equipment, water systems, and soft-water generators. Fort Wayne Engineering & Manufacturing Company. 211,472; Apr. 13; Serial No. 221,890; published Jan. 19, 1926.
Saws. A. S. Aloe Co. 211,431; Apr. 13; Serial No. 223,354; published Jan. 26, 1926.
Scissors. C. F. Boker. 50,458; renewed Mar. 20, 1926.
Separators, Centrifugal liquid. De Laval Separator Company. 52,583; renewed May 15, 1926.
Separators, Cream. De Laval Separator Company. 52,995–6; renewed May 22, 1926.
Separators, Cream. De Laval Separator Company. 54,868; renewed July 31, 1926.
Shear knives. Heppenstall Forge and Knive Company. 211,435; Apr. 13; Serial No. 223,296; published Jan. 26, 1926.
Tools. Tomlee Tool Co. 211,582; Apr. 13; Serial No. 223,752; published Feb. 2, 1926.

CLASS 25.

Locks. A. J. Lurie. 211,420; Apr. 13; Serial No. 222,929; published Jan. 12, 1926.

CLASS 26.

Lens-holding members, Ophthalmic and similar. Bausch and Lomb Optical Company. 211,417; Apr. 13; Serial No. 223,076; published Jan. 12, 1926.
Pictures, Motion. Universal Pictures Corporation. 211,436; Apr. 13; Serial No. 223,263; published Jan. 12, 1926.
Pictures, Moving. Famous Players-Lasky Corporation. 211,420; Apr. 13; Serial No. 222,448; published Jan. 26, 1926.

CLASS 27.

Watch glasses. Albert Berger & Co. 50,957; renewed Apr. 3, 1926.

CLASS 28.

Silver-plated flatware, hollow ware, and tableware. Wm. A. Rogers Limited. 49,266; renewed Jan. 30, 1926.
Silver-plated flatware, hollow ware, and tableware. Wm. A. Rogers Limited. 54,731; Renewed June 26, 1926.
Silver table cutlery. Curtin & Clark Hardware Company. 53,140; renewed May 29, 1926.

CLASS 29.

Brushes, dusters, and brooms. Rubico Brush Manufacturers Inc. 211,593–4; Apr. 13; Serial Nos. 224,052–3; published Feb. 2, 1926.
Toothbrushes. M. Rosenwald. 211,599; Apr. 13; Serial No. 224,424; published Feb. 2, 1926.

CLASS 30.

Chinaware. Limoges China Company. 211,416; Apr. 13; Serial No. 218,264; published Feb. 2, 1926.

CLASS 32.

Furnishings—namely, ornamental novelties. J. A. Bates. 211,492; Apr. 13; Serial No. 216,314; published Jan. 26, 1926.
Furniture, Living-room. Joseph Goldstein Chair Co. 211,602; Apr. 13; Serial No. 222,742; published Feb. 2, 1926.
Mattresses. Simon Mattress Mfg. Co. 211,601; Apr. 13; Serial No. 222,712; published Feb. 2, 1926.
Mattresses and pillows. Chittenden & Eastman Co. 54,592; renewed June 26, 1926.
Settees, couches, chairs, etc. Universal Willow and Reed Ware Company. 211,409; Apr. 13; Serial No. 209,149; published Jan. 26, 1926.
Tables, Combination library and dining. Imperial Furniture Company. 211,651; Apr. 13; Serial No. 22,657; published Feb. 2, 1926.

CLASS 33.

Jars, Fruit. Hazel-Atlas Glass Company. 54,846; renewed July 31, 1926.

CLASS 34.

Heaters and gas hot-water-storage systems, Gas hot-water. Pittsburgh Water Heater Company. 211,404; Apr. 13; Serial No. 203,436; published Dec. 22, 1925.
Stoves and ranges. Bergstrom Stove Co. 52,127; renewed May 1, 1926.

CLASS 35.

Clutch facings, brake linings, bushings, and washers. Bakelite Corporation. 211,613; Apr. 13; Serial No. 222,430; published Feb. 2, 1926.
Forks, ice picks, hog scrapers, fish shears, etc., Cooks'. J. Chatillon & Sons. 211,546; Apr. 13; Serial No. 219,378; published Feb. 2, 1926.
Hose, Unlined linen fire. C. Nuhring. 55,402; renewed Aug. 14, 1926.
Inner-tube patching. J. F. McLeod. 211,371; Apr. 13; Serial No. 221,559; published Jan. 26, 1926.
Tires, inner tubes, and patch material, Rubber. Shurwyn Tire & Rubber Co. 211,406; Apr. 13; Serial No. 205,099; published Jan. 26, 1926.

CLASS 36.

Organs and reed organs, Pipe. Mason & Hamlin Co. 45,988; renewed Sept. 5, 1925.
Organs, Reed. Mason & Hamlin Co. 45,410; renewed Aug. 15, 1925.

CLASS 37.

Folder and printed sheets to be inserted therein, Looseleaf. Kashdex, Inc. 211,491; Apr. 13; Serial No. 223,303; published Jan. 12, 1926.
Paper, Bond writing. Marquette Paper Co. 211,518; Apr. 13; Serial No. 224,032; published Jan. 12, 1926.
Paper napkins, toilet paper, and paper towels. Fort Howard Paper Company. 211,600; Apr. 13; Serial No. 224,603; published Feb. 9, 1926.
Paper, Packing and wrapping. Frank M. Sayford Company. 211,510; Apr. 13; Serial No. 206,032; published Jan. 12, 1926.
Paper, Tissue. Continental Paper & Bag Mills Corporation. 211,545; Apr. 13; Serial No. 219,231; published Jan. 12, 1926.
Paper, Typewriter. Remington Typewriter Company. 211,505; Apr. 13; Serial No. 222,519; published Jan. 12, 1926.
Paper, Wall. Henry Bosch Company. 211,517; Apr. 13; Serial No. 224,186; published Jan. 12, 1926.

Paper, Waxed. Automatic Paper Machinery Company. 211,619; Apr. 13; Serial No. 222,299; published Jan. 19, 1926.
Paper, Wrapping. Orono Pulp & Paper Company. 211,555; Apr. 13; Serial No. 219,758; published Feb. 2, 1926.
Paper, Wrapping. Paper Service Company. 211,670; Apr. 13; Serial No. 223,186; published Feb. 2, 1926.
Paper, Writing. Cincinnati Cordage & Paper Co. 55,052; renewed Aug. 7, 1926.
Paper, Writing. Peck Engraving Company. 211,515; Apr. 13; Serial No. 224,420; published Jan 12, 1926.
Papers, cards, and envelopes. United States Envelope Company. 211,410–12; Apr. 13; Serial Nos. 210,329–31; published Jan. 26, 1926.
Pencils. Joseph Dixon Crucible Company. 211,425; Apr. 13; Serial No. 224,097; published Jan. 19, 1926.
Pens and pencils. Rex Manufacturing Co. 211,489; Apr. 13; Serial No. 223,867; published Jan. 12, 1926.
Pens, Fountain. Wahl Company. 211,504; Apr. 13; Serial No. 222,588; published Jan. 12, 1926.

CLASS 38.

Books. Viking Press, Inc. 211,649; Apr. 13; Serial No. 220,330; published Jan. 26, 1926.
Cartoons in the form of a comic strip. King Features Syndicate, Inc. 211,595; Apr. 13; Serial No. 224,143; published Feb. 9, 1926.
Certificates, Saving. Mutual System Company. 211,557; Apr. 13; Serial No. 216,687; published Jan. 26, 1926.
House organ. Nash Engineering Company. 211,568; Apr. 13; Serial No. 223,734; published Feb. 9, 1926.
House organ issued monthly. Keystone Grocery & Tea Co. 211,558; Apr. 13; Serial No. 223,849; published Jan. 19, 1926.
Journal published annually. Trade. Ware Bros. Company. 211,616; Apr. 13; Serial No. 222,532; published Jan. 12, 1926.
Magazine. E. M. Best. 53,137; renewed May 29, 1926.
Magazine issued periodically. Laundry and Dry Cleaning Service, Inc. 211,590; Apr. 13; Serial No. 223,965; published Feb. 9, 1926.
Magazine, Monthly. Kingman and Walton. 211,566; Apr. 13; Serial No. 223,391; published Feb. 2, 1926.
Magazine, Monthly. Patterson Publishing Company. 211,631; Apr. 13; Serial No. 222,994; published Jan. 12, 1926.
Magazine published periodically. Simmons-Boardman Publishing Co. 211,556; Apr. 13; Serial No. 220,621; published Jan. 12, 1926.
Magazines. Concrete Publishing Company. 211,570; Apr. 13; Serial No. 223,688; published Jan. 19, 1926.
Magazines, Biweekly. Porter-Bede-Langtry Corporation. 211,591; Apr. 13; Serial No. 224,045; published Feb. 9, 1926.
Magazines, Biweekly. Porter-Langtry Company. 211,592; Apr. 13; Serial No. 224,047; published Feb. 9, 1926.
Newspapers. Herald News Company. 211,641; Apr. 13; Serial No. 221,608; published Jan. 12, 1926.
Newspapers. Herald News Company. 211,659; Apr. 13; Serial No. 221,663; published Jan. 12, 1926.
Periodical, Monthly. Monarch Manufacturing Company. 211,541; Apr. 13; Serial No. 219,079; published Jan. 12, 1926.
Periodical published quarterly. International Telephone & Telegraph Corporation. 211,584; Apr. 13; Serial No. 223,788; published Jan. 26, 1926.
Periodicals, Monthly. American Fashion Company. 211,608; Apr. 13; Serial No. 222,907; published Jan. 12, 1926.
Photographs or pictures. Potomac Photo Supply Co. 211,549; Apr. 13; Serial No. 219,604; published Jan. 12, 1926.
Section of a trade publication. United Publishers Corporation. 211,612; Apr. 13; Serial No. 222,417; published Jan. 12, 1926.
Tags, cards, seals, and cut-outs, Printed. Dennison Manufacturing Company. 211,628; Apr. 13; Serial No. 222,921; published Jan. 12, 1926.
Trade bulletin, Daily. M. Schreiber. 211,588; Apr. 13; Serial No. 223,607; published Feb. 9, 1926.

CLASS 39.

Aprons and underwaists. Baby Betty Apron Company. 211,480; Apr. 13; Serial No. 222,059; published Dec. 8, 1925.
Belts, Apparel. M. Kline. 211,457; Apr. 13; Serial No. 204,267; published Jan. 19, 1926.
Boots and shoes. Muskin Shoe Company. 211,422; Apr. Serial No. 222,860; published Jan. 26, 1926.
Boots and shoes, Leather. Beasley Harwood Shoe Co. Inc. 55,020; renewed Aug. 7, 1926.
Boots and shoes, Leather. Thomas G. Plant Company. 49,749; renewed Feb. 13, 1926.
Boots and shoes, Leather. Thomas G. Plant Company. 49,788; renewed Feb. 13, 1926.
Boots and shoes, Leather. Thomas G. Plant Company. 54,315; renewed June 26, 1926.
Boots and shoes, Rubber. Rice & Hutchins, Incorporated. 54,525; renewed June 26, 1926.
Clothing, Infants' and children's. Taylor-Bramley Company. 211,684; Apr. 13.
Coats and suits, Ladies'. Werner & Werner Clothing & Furnishings Goods Co. 211,680; Apr. 13.
Coats, capes, and overalls, Waterproof and rainproof. Telemac, Limited. 211,614; Apr. 13; Serial No. 222,488; published Feb. 2, 1926.
Coats, dresses, suits, and furs. L. Bamberger & Company. 211,462; Apr. 13; Serial No. 214,118; published Feb. 2, 1926.
Coats, outer skirts, scarfs, hosiery, shawls, etc., Knitted sport. Alcone Knitting Mills. 211,542; Apr. 13; Serial No. 216,664; published Feb. 2, 1926.
Coats, suits, and dresses, Women's and misses'. National Modes Inc. 211,672; Apr. 13; Serial No. 219,298; published Feb. 2, 1926.
Coats, vests, trousers, and overalls. O'Bryan Bros. 53,253; renewed May 29, 1926.
Collars and shirts, Men's. National Shirt Shops, Inc. 211,561; Apr. 13; Serial No. 219,133; published Oct. 20, 1925.
Corsets. Royal Worcester Corset Company. 50,337; renewed Mar. 13, 1926.
Corsets, girdles, and brassières. E. B. Koch. 211,394; Apr. 13; Serial No. 224,250; published Jan. 19, 1926.
Dresses, coats, suits, etc., Women's. Wilkes-Barre Dry Goods Company. 211,571; Apr. 13; Serial No. 223,672; published Jan. 26, 1926.
Dresses, Ladies'. Lenny Rosenzweig Dress Co. 211,636; Apr. 13; Serial No. 223,126; published Feb. 2, 1926
Fur coats and fur jackets. Frank & Brickel. 211,639; Apr. 13; Serial No. 220,606; published Feb. 2, 1926.
Gloves. Kaufmann Department Stores, Inc. 211,393; Apr. 13; Serial No. 224,284; published Jan. 19, 1926.
Gloves, pants, overalls, etc. Texas Glove & Garment Co. 211,629; Apr. 13; Serial No. 222,964; published Feb. 2, 1926.
Gloves, underwear, and hosiery. J. Casin & Co. 211,589; Apr. 13; Serial No. 223,685; published Feb. 2, 1926.
Hosiery. Wm. Hahn & Co. 211,458; Apr. 13; Serial No. 215,251; published Aug. 18, 1925.
Hosiery. Haines Hosiery Mills, Inc. 211,583; Apr. 13; Serial No. 223,781; published Feb. 2, 1926.
Hosiery. Westminster, Ltd. 211,604; Apr. 13; Serial No. 222,807; published Feb. 2, 1926.
Hosiery and underwear. M. Nathan and Brother, Incorporated. 211,646; Apr. 13; Serial No. 221,194; published Jan. 26, 1926.
Hosiery, Ladies'. Berkshire Knitting Mills. 211,627; Apr. 13; Serial No. 222,911; published Feb. 2, 1926.
Pyjamas. Valco Manufacturing Co. 211,508; Apr. 13; Serial No. 208,540; published Feb. 2, 1926.
Shirts, hats, collars, scarfs, etc. Ray The Hatter, Inc. 211,465; Apr. 13; Serial No. 210,926; published Feb. 2, 1926.
Shoes, Cushion. G. J. Winter. 211,548; Apr. 13; Serial No. 219,052; published Jan. 26, 1926.
Skirts and petticoats. Brown, Durrell & Co. 52,947; renewed May 22, 1926.
Stocking protectors. Heco Envelope Company. 211,577. Apr. 13; Serial No. 223,716; published Jan. 26, 1926.
Suits and dresses, Misses' and little women's. Knobel & Bloom. 211,630; Apr. 13; Serial No. 222,985; published Feb. 2, 1926.
Suits and parts of suits, Children's. Jones Bros. Overall Company. 53,830; renewed June 12, 1926.
Suits, coats, pants, vests, and overcoats, Men's, youths', and boys'. Becker Tailoring Co. 211,685; Apr. 13.
Sweaters, knitted caps, hosiery, etc. Morgan Knitting Mills, Inc. 211,562; Apr. 13; Serial No. 223,981; published Feb. 2, 1926.
Trousers. A. D. Lesser. 211,637; Apr. 13; Serial No. 223,127; published Feb. 2, 1926.
Undergarment and clothing, Women's, girls' and misses'. Woodward & Lothrop. 211,375; Apr. 13; Serial No. 222,974; published Jan. 26, 1926.
Underwaists. E. H. Horwood. 48,711; renewed Jan. 9, 1926.
Underwear of textile fabric. Hynes-Weaver Shirt Co. 211,677; Apr. 13.
Vests, suits, and topcoats, Boys'. Antonoff & Shein Inc. 211,626; Apr. 13; Serial No. 222,910; published Feb. 2, 1926.

CLASS 40.

Pins, needles, hodkins, etc. Jas. Smith & Son, (Redditch) Limited. 211,445; Apr. 13; Serial No. 217,185; published Jan. 19, 1926.

CLASS 42.

Bed sheets and slips, sheeting in the piece, silk fabrics, etc. Pepperell Manufacturing Company 211,529–30; Apr. 13; Serial Nos. 224,039–40; published Feb. 2, 1926.
Challis in the piece, Cotton. Marshall Field & Company. 21,532; Apr. 13; Serial No. 223,702; published Feb. 2, 1926.
Cloth in the piece, Shade. Joseph Bancroft & Sons Co. 211,676; Apr. 13.
Cotton and rayon textile fabrics. S. Slater & Sons, Inc. 211,475; Apr. 13; Serial No. 221,337; published Feb. 2, 1926.
Cotton and silk goods. Fairfax Textile Mills, Inc. 211,405; Apr. 13; Serial No. 203,944; published Feb. 2, 1926.
Cotton and wool fabrics. Thomas Oakes & Co. 211,446; Apr. 13; Serial No. 216,352; published Feb. 2, 1926.
Cotton damask. Rosemary Manufacturing Company. 50,186; renewed Mar. 6, 1926.

Cotton drills, sheetings, shirtings, and flannels. Duncan, Fox & Co. 211,449; Apr. 13; Serial No. 214,785; published Feb. 2, 1926.
Cotton piece goods, sheets, and pillowcases. Lockwood Co. 211,451; Apr. 13; Serial No. 212,010; published Feb. 2, 1926.
Fabrics in the piece, Textile. Max Schwarz Textile Corporation. 211,671; Apr. 13; Serial No. 219,455; published Feb. 2, 1926.
Handkerchiefs. Best & Co. 211,535; Apr. 13; Serial No. 223,281; published Feb. 2, 1926.
Silk, cotton, and artificial-silk fabrics and mixtures of the same. Hillcrest Silk Mills. 211,408; Apr. 13; Serial No. 206,352; published Dec. 1, 1925.
Silk, cotton, woolen, and artificial-silk piece goods and combinations of same. D. H. Willard. 21,437; Apr. 13; Serial No. 221,222; published Feb. 2, 1926.
Silk or silk-mixtures, textiles. C. K. Eagle & Co. 211,400; Apr. 13; Serial No. 223,220; published Jan. 12, 1926.
Silks, silk and cotton, or silk and rayon fabrics. J. Gluck. 211,452; Apr. 13; Serial No. 211,421; published Feb. 2, 1926.
Woolen cloths. American Woolen Company. 50,166; renewed Mar. 6, 1926.

CLASS 43.

Thread. Elmore Company. 211,450; Apr. 13; Serial No. 212,077; published Feb. 2, 1926.
Thread. Standard Thread Company. 211,372; Apr. 13; Serial No. 221,931; published Feb. 2, 1926.
Threads and yarns rendered moisture and air proof, Cotton and silk. Hermetite Corporation. 211,471; Apr. 13; Serial No. 222,240; published Feb. 2, 1926.
Yarns. Albert J. Pfeiffer, Inc. 211,528; Apr. 13; Serial No. 224,264; published Feb. 2, 1926.
Yarns. Snia-Viscosa Società Nazionale Industria Applicazioni Viscosa. 211,438; Apr. 13; Serial No. 220,925; published Feb. 2, 1926.

CLASS 44.

Appliances for assisting the hearing, Electrical. C. W. Harper. 53,724; renewed June 12, 1926.
Dental exerciser. R. Del Castillo, Jr. 211,401; Apr. 13; Serial No. 223,217; published Jan. 12, 1926.
Dental investment, stone, and plaster. Falls City Dental Specialty Co. 211,406; Apr. 13; Serial No. 223,026; published Jan. 26, 1926.
Electricity, Devices for use in applying. J. W. Gibbs. 50,326; renewed Mar. 13, 1926.
Supporters, sanitary belts, Athletic. Martin-Page Co. 211,433; Apr. 13; Serial No. 223,312; published Jan. 12, 1926.

CLASS 45.

Beverages sold as soft drinks. D. A. Turchi Sons. 211,682; Apr. 13.
Mineral water. Die Actiengesellschaft Appollinaris Brunnen. 53,335; renewed May 29, 1926.
Orange drink. O. C. Hirbour. 211,503; Apr. 13; Serial No. 200,199; published Nov. 3, 1925.

CLASS 46.

Alimentary paste products. Golden Gate Macaroni & Paste Factory. 211,397; Apr. 13; Serial No. 223,638; published Jan. 19, 1926.
Almonds, Sugared and salted. N. P. Damianakes. 211,444; Apr. 13; Serial No. 217,985; published Jan. 26, 1926.
Apples and pears, Fresh. Duckwall Bros. 211,377; Apr. 13; Serial No. 223,165; published Jan. 26, 1926.
Apples, Fresh. Earl Fruit Company. 211,423; Apr. 13; Serial No. 223,624; published Jan. 26, 1926.
Apples, Fresh. Independent Fruit Shippers. 211,516; Apr. 13; Serial No. 223,728; published Jan. 26, 1926.
Apples, Fresh. Sterling-Slater Fruit Company. 211,526; Apr. 13; Serial No. 223,057; published Jan. 19, 1926.
Biscuit or crackers. Natural Food Company. 52,858; renewed May 22, 1926.
Bread and cake. Caroline Baking Company. 211,544; Apr. 13; Serial No. 218,791; published Feb. 2, 1926.
Bread and crackers. G. S. Ward. 49,697; renewed Feb. 13, 1926.
Butter, eggs, and cheese. Central Provision Company. 211,621; Apr. 13; Serial No. 222,220; published Jan. 26, 1926.
Candy. George C. Miller & Co. 211,605; Apr. 13; Serial No. 222,860; published Jan. 26, 1926.
Candy. Van Antiverp's Drug Corporation. 211,448; Apr. 13; Serial No. 214,983; published Jan. 26, 1926.
Candy, Chocolate. Quaker City Chocolate & Confectionery Company. 54,944–5; renewed Aug 7, 1926.
Candy, Hard and soft. Quaker City Chocolate & Confectionery Company. 54,946; renewed Aug. 7, 1926.
Canned fruits and vegetables. United States Products Corporation. 211,386; Apr. 13; Serial No. 224,682; published Jan. 26, 1926.
Canned fruits and vegetables. United States Products Corporation. 211,301; Apr. 13; Serial No. 224,683; published Jan. 19, 1926.
Canned peas, canned peaches, spices, peanut butter, rice, etc. Paxton & Gallagher Co. 211,665; Apr. 13; Serial No. 222,631; published Jan. 26, 1926.
Canned pineapple, marmalade, and jelly. Hawaiian Pineapple Products Co. 211,560; Apr. 13; Serial No. 218,553; published Jan. 26, 1926.
Canned salmon. Alaska Packers Association. 53,738; renewed June 12, 1926.
Canned salmon. Fidalgo Island Packing Co. 51,288; renewed Apr. 10, 1926.
Canned salmon. Fidalgo Island Packing Co. 51,321–2; renewed Apr. 10, 1926.
Canned salmon. Fidalgo Island Packing Co. 51,463; renewed Apr. 17, 1926.
Canned salmon. Fidalgo Island Packing Co. 53,269; renewed May 29, 1926.
Canned salmon. Fidalgo Island Packing Co. 54,189–90; renewed June 19, 1926.
Canned salmon. McGovern & McGovern. 211,392; Apr. 13; Serial No. 224,342; published Jan. 19, 1926.
Canned salmon, fruits, and vegetables. Seufert Brothers Company. 211,390; Apr. 13; Serial No. 224,429; published Jan. 19, 1926.
Canned sauerkraut. Fremont Kraut Company. 211,647; Apr. 13; Serial No. 221,175; published Jan. 26, 1926.
Canned vegetables. Ziegler Canning & Preserving Company. 211,481; Apr. 13; Serial No. 221,679; published Jan. 12, 1926.
Canned vegetables, canned fruits, etc. Charles Hewitt & Sons Company. 211,644; Apr. 13; Serial No. 221,257; published Jan. 26, 1926.
Cereal, Brenkfast. Ry-Krisp Company. 211,434; Apr. 13; Serial No. 223,335; published Jan. 12, 1926.
Cereal breakfast food. Wheatal Company. 211,418; Apr. 13; Serial No. 222,720; published Jan. 12, 1926.
Cheese. Bürki & Cie. 211,543; Apr. 13; Serial No. 219,225; published Jan. 26, 1926.
Cheese. Meier & Frank Company. 211,579; Apr. 13; Serial No. 223,732; published Jan. 26, 1926.
Chickens, Live. Peters-Certified Poultry, Inc. 211,468; Apr. 13; Serial No. 222,871; published Jan. 1, 1926.
Chocolate and cocoa compound. Limpert Bros. 211,603; Apr. 13; Serial No. 222,853; published Jan. 12, 1926.
Chocolate bar. Hershey Chocolate Company. 211,531; Apr. 13; Serial No. 223,784; published Jan. 19, 1926.
Chocolate coatings. Lamont, Corliss & Company. 211,415; Apr. 13; Serial No. 218,128; published Jan. 26, 1926.
Coffee. A. Schilling & Company. 50,624; renewed Mar. 27, 1926.
Coffee. John H. Wilkins Co. 211,389; Apr. 13; Serial No. 224,369; published Jan. 19, 1926.
Coffee. Woolson Spice Company. 56,101; renewed Aug. 21, 1926.
Coffee, Green. Leon Israel & Bros. Inc. 211,387; Apr. 13; Serial No. 224,709; published Jan. 26, 1926.
Coffee, tea, spices, and food-flavoring extracts. Service Coffee Company. 211,679; Apr. 13.
Cookies and macaroons. Nutt Bros. 211,460; Apr. 13; Serial No. 214,561; published Sept. 8, 1925.
Cracker meal. Adolf J. Mainzer, Inc. 211,585; Apr. 13; Serial No. 223,793; published Jan. 26, 1926.
Crackers. Pacific Coast Biscuit Company. 211,539; Apr. 13; Serial No. 216,794; published Jan. 26, 1926.
Crackers and biscuits. National Biscuit Company. 211,567; Apr. 13; Serial No. 218,568; published Feb. 2, 1926.
Crackers, cakes, biscuits, and sugar wafers. Lakeside Biscuit Co. 211,413; Apr. 13; Serial No. 210,848; published Jan. 26, 1926.
Eggs. Fresno Poultrymens Cooperative Association. 211,369; Apr. 13; Serial No. 221,251; published Jan. 26, 1926.
Feed, Cattle. Park & Pollard Company. 211,430; Apr. 13; Serial No. 223,402; published Jan. 12, 1926.
Feeds, Mineral. Moseley Mfg. Company. 211,653; Apr. 13; Serial No. 212,280; published Jan. 26, 1926.
Flour. Virginia Hay & Grain Co. 211,493; Apr. 13; Serial No. 215,284; published Feb. 2, 1926.
Flour, Wheat. Alexander Milling Company. 211,643; Apr. 13; Serial No. 221,470; published Jan. 26, 1926.
Flour, Wheat. Colonial Milling Co. 211,624; Apr. 13; Serial No. 222,110; published Dec. 22, 1925.
Flour, Wheat. Haynes Milling Company. 51,467; renewed Apr. 17, 1926.
Flour, Wheat. Missouri Farmers' Association, Incorporated. 211,540; Apr. 13; Serial No. 217,041; published Feb. 2, 1926.
Flour, Wheat. Russell-Miller Milling Co. 211,463; Apr. 13; Serial No. 212,642; published Jan. 26, 1926.
Grapes, Fresh. Wright & Hughson. 211,473; Apr. 13; Serial No. 221,652; published Jan. 19, 1926.
Gum, Chewing. American Chicle Co. 53,532; renewed June 5, 1926.
Gum, Chewing. American Chicle Co. 53,534; renewed June 5, 1926.
Gum, Chewing. American Chicle Co. 54,506; renewed June 26, 1926.
Gum, Chewing. American Chicle Company. 211,635; Apr. 13; Serial No. 223,073; published Jan. 19, 1926.
Ice Cream. Furnas Ice Cream Company. 211,675; Apr. 13.
Jellies, jams, etc. Squire Dingee Company. 211,407; Apr. 13; Serial No. 205,792; published Jan. 26, 1926.
Macaroni and canned tomatoes. G. Rossano & Bro. 211,622; Apr. 13; Serial No. 222,192; published Jan. 26, 1926.

Malt for food purposes, Barley. H. Meinhardt & Company. 211,678; Apr. 13.
Malted milk. A. Witt. 211,667; Apr. 13; Serial No. 222,650; published Jan. 26, 1926.
Mayonnaise. El Food Corporation. 211,640; Apr. 13; Serial No. 221,356; published Jan. 12, 1926.
Mayonnaise and Thousand Island dressing. Mrs. Potts Sanders. 211,447; Apr. 13; Serial No. 216,120; published Jan. 26, 1926.
Milk, Sweetened condensed. D. L. Sterling & Sons, Inc. 211,395; Apr. 13; Serial No. 223,810; published Jan. 19, 1926.
Oil, Olive. E. Martini. 211,617; Apr. 13; Serial No. 222,624; published Jan. 26, 1926.
Oranges and grapefruit, Fresh. Milne-O'Berry Packing Co. 211,573; Apr. 13; Serial No. 223,795; published Jan. 26, 1926.
Peanut butter. Walter J. Hirsch Co. 211,547; Apr. 13; Serial No. 219,431; published Jan. 26, 1926.
Potatoes. M & A Produce Co. 211,620; Apr. 13; Serial No. 222,266; published Jan. 26, 1926.
Sandwiches, pie, and cake. Penn Automatic Service Company. 211,399; Apr. 13; Serial No. 223,254; published Jan. 12, 1926.
Sirup, Food. W. B. Roddenbery. 211,398; Apr. 13; Serial No. 223,414; published Jan. 19, 1926.
Sirup, Malt. Elco Distributing Co. 211,396; Apr. 13; Serial No. 223,697; published Jan. 19, 1926.
Sugar, Granulated. S. J. Serralles. 211,666; Apr. 13; Serial No. 222,640; published Jan. 26, 1926.
Wheat bran, wheat screenings, wheat mixed feed, etc. Rea-Patterson Milling Company. 211,606; Apr. 13; Serial No. 222,880; published Jan. 26, 1926.

CLASS 48.

Ale and stout. C. Machen & Hudson. 51,802; renewed Apr. 24, 1926.

CLASS 49.

Whisky. J. W. Crowdus Drug Co. 211,569; Apr. 13; Serial No. 223,690; Feb. 2, 1926.
Whisky. J. W. Crowdus Drug Co. 211,578; Apr. 13; Serial No. 223,691; published Feb. 2, 1926.

ALPHABETICAL LIST OF LABELS.

Afco Porter Malt Syrup. For Malt Sirup. Atlantic Food Products Corp. 30,177; Apr. 13.
Blue Tag. For Canned Pears. Robt. C. Paulus & Co. 30,192; Apr. 13.
Country Cousin. For Canned Corn. Rossville Packing Co. 30,200; Apr. 13.
Crater Blue. For Canned Pears. Robt. C. Paulus & Co. 30,198; Apr. 13.
Finesse. For Face Powder. Betts & Numpeton. 30,178; Apr. 13.
Graf's Quality Extra Dry Famous Brand Gingerale. For Ginger Ale. John Graf Company. 30,181; Apr. 13.
Green Tag. For Canned Pears. Robt. C. Paulus & Co. 30,194; Apr. 13.
Lakewood. For Northerwestern French Prunes. Robt. C. Paulus & Co. 30,197; Apr. 13.
Larsen's. For Canned Peas. Larsen Company. 30,182; Apr. 13.
Lily. For Canned Peas. Larsen Company. 30,184; Apr. 13.
North Shore Royal Food. For Canned Peas. Larsen Company. 30,185; Apr. 13.
Pittsburgh Pale Ginger Ale. For Ginger Ale. A. Noe & Son. 30,191; Apr. 13.
Red Tag. For Canned Pears. Robt. C. Paulus & Co. 30,195; Apr. 13.
Riverdale. For Corn. John Morrell & Co. 30,187; Apr. 13.
Riverdale. For Cut Green Beams. John Morrell & Co. 30,188; Apr. 13.
Riverdale. For Sugar Peas. John Morrell & Co. 30,189; Apr. 13.
Riverdale. For Tomatoes. John Morrell & Co. 30,186; Apr. 13.
Second National Bank Building. For Cigars. Pennant Cigar Factory. 30,199; Apr. 13.
Silver Spray. For Soft Drinks. Fitger Company. 30,180; Apr. 13.
Sungold. For Evaporated Prunes. Robt. C. Paulus & Co. 30,193; Apr. 13.
Tip-Top. For Butter. Tip-Top Creamery Company. 30,201; Apr. 13.
Toy Town. For Canned Peas. Larsen Company. 30,183; Apr. 13.
Waterbury Clocks. For Clocks. Waterbury Clock Company. 30,202; Apr. 13.
White Tag. For Canned Pears. Robt. C. Paulus & Co. 30,196; Apr. 13.
Windsor Wilton Rug. For Rugs. H. G. Fetterolf Company. 30,179; Apr. 13.
Yorkshire Farm. For Full-Cream Cheese. John Morrell & Co. 30,190; Apr. 13.

ALPHABETICAL LIST OF PRINTS.

Diffin's Island Freeze. For Ice-Cream Cones. H. D. Diffin. 8,695; Apr. 13.
Four out of Five of Them Will Get Pyorrhea! For Tooth Paste. Forhan Company. 8,698; Apr. 13.
It Almost Seems as if You Just Couldn't Have a Wedding Without Crane's Kid Finish. For Writing Papers. Eaton, Crane & Pike Co. 8,696; Apr. 13.
The Smooth Way to Rough It. For Camp Stoves. Coleman Lamp Company. 8,694; Apr. 13.
This Taste—Has Captured All America! For Frozen Confections. Eskimo Pie Corporation. 8,697; Apr. 13.
Yes! Bananas The Body Builder. For Bananas. Bauerlein Incorporated. 8,693; Apr. 13.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Rubber, Raw and partly-prepared India. Henry Gardner & Co., Limited. 227,120; Apr. 13.
Skins, hides, leather guts, pelts, and furs. Chemische Fabrik Griesheim Elektron. 221,805; Apr. 13.

CLASS 2.

Bags, Collapsible cardboard paper. Nomad Kit Bag Co. 227,531; Apr. 13.
Bags, Paper. I. Melnick. 225,670; Apr. 13.
Cans, Garbage and waste. Master Metal Products Inc. 226,250; Apr. 13.
Chutes and boxes for buildings, Mail. American Device Manufacturing Company. 221,939; Apr. 13.
Containers, Metal trash. J. E. Bulwinkle. 226,801; Apr. 13.
Receptacles for holding an edible food product, Small empty. W. C. Kelly. 226,660; Apr. 13.
Receptacles, shipping and packing cases, and containers made of corrugated pasteboard. Pequot Manufacturing Corporation. 209,689; Apr. 13.

CLASS 4.

Carbon tetrachloride. H. Feinstein. 211,580; Apr. 13.
Cleansing compound for the skin, fabrics, etc. Utility Co. 226,928; Apr. 13.
Soap and shampoo soap, Liquid. Twentieth Century Manufacturing Co. 210,765; Apr. 13.
Washing powder soap flakes, and naphtha soap. Rub-No-More Company. 222,800; Apr. 13.

CLASS 5.

Glue. I. F. Laucks, Inc. 227,024; Apr. 13.
Puncture-seal liquids. Don Q Mfg. Co. 227,446; Apr. 13.

CLASS 6.

Acetamide, acetic anhydride, acetone, acetyl chloride, etc. Sterling Products Company. 220,581; Apr. 13.
Barytes (barium sulphate). National Pigments & Chemical Company. 227,806; Apr. 13.
Clay for the complexion, Beauty. L. Passen-Stein. 227,327; Apr. 13.
Composition of matter for disposing of aqueous emanations from human remains. Ruppe Mortuary. 226,515; Apr. 13.
Compositions, Insecticidal. Dow Chemical Company. 227,942; Apr. 13.
Compound for rheumatism. W. H. Crippen. 227,636; Apr. 13.
Compound of guaiacol. E. Gilbert. 227,785; Apr. 13.
Cosmetics, Astringent. Pacque, Inc. 227,099; Apr. 13.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cosmetics, pastes, powders, and toilet preparations, and perfumery. Parfumerie Roger et Gallet. 227,414; Apr. 13.
Cream, Hair-removing. L. Binsfeld. 228,219; Apr. 13.
Cream, Toilet. R. A. Hudson Company. 209,479; Apr. 13.
Disinfectant. Raffaele de Angelis. 227,509; Apr. 13.
Dyes and colors. Defiance Manufacturing Company. 227,721; Apr. 13.
Flashlight powder, Photographic. J. G. Marshall. 227,526; Apr. 13.
Fungicides. E. M. Rosenbluth. 223,661; Apr. 13.
Hair tonic. R. Odell & Sons Company. 153,614; Apr. 13.
Iodine antiseptic to destroy germs. Western Chemical Company. 198,726; Apr. 13.
Liquid solution, Storage-battery filling and recharging. R. W. Gardner. 227,783; Apr. 13.
Lotion, cold cream, vanishing cream, disinfectant preparation, etc. La Lysine Fornari International American Corporation. 227,181; Apr. 13.
Lotions, Face. E. S. Lemer. 227,312; Apr. 13.
Lozenges or tablets for sore throat, coughs, colds, bronchitis, etc. Dr. Orland's Health Products Laboratory. 224,471; Apr. 13.
Medical mineral products. Alexander Winter and Sons. 215,428; Apr. 13.
Medicaments for the treatment of malignant tumors in men and animals and organic preparations made from the spleen. Dr. E. Silten. 224,113; Apr. 13.
Medicinal preparation. S. J. Russell. 226,562; Apr. 13.
Medicinal preparation of paramethylguaiacol. E. Gilbert. 227,784; Apr. 13.
Medicine. F. O. Heineman. 227,890; Apr. 13.
Medicine for cystitis. C-Y Laboratories Inc. 225,645; Apr. 13.
Medicine for internal use. Gebr. Waaning-Tilly G. m. b. H. 209,532; Apr. 13.
Medicines, foot powders, liniments, cold tablets, etc., Cough. Jay Chemical Company. 216,731; Apr. 13.
Ointment for treatment of skin diseases. Upjohn Company. 227,976; Apr. 13.
Perfumes. Godet Inc. 228,236–7; Apr. 13.
Perfumes, essential oils, synthetic perfume materials, ethereal oils, and perfume bases. Schimmel & Co. 227,855; Apr. 13.
Perfumes, toilet waters, face powders, and talcum powder. George W. Button Corporation. 227,499–506; Apr. 13.
Pomade, Coconut-oil. H. Romanoff. 228,271; Apr. 13.
Powder, skin cream, and toilet water, Face. Nelson, Baker & Company. 226,365; Apr. 13.
Powders, creams, and packs, perfumes, shampoos, rouges, etc., Face. Mark W. Allen & Co. 207,114; Apr. 13.
Powders, creams, packs, toilet waters, etc., Face. Leigh Chemist, Inc. 228,321; Apr. 13.
Preparation for the treatment of leucorrhea and other infections of the female. S. W. French, M. D. 227,228; Apr. 13.
Preparation, Hair-waving. C. E. Gaines. 223,575; Apr. 13.
Preparation, Powdered. Dr. Ignace J. Reis' Products Company. 227,188–9; Apr. 13.
Preparations, Beauty. M. B. Foy. 228,234; Apr. 13.
Preparations for the treatment of catarrh, hay fever, headache, insect bites, etc. Newbern Pharmacy. 223,736; Apr. 13.
Preparations, Germicidal. D. Lee. 227,802; Apr. 13.
Preparations used for destroying rats and mice, Bacteriologic. A/S Bakteriologisk Laboratorium "Ratin." 209,960; Apr. 13.
Purgative. F. Alu. 227,557; Apr. 13.
Radium, including radium emanation. Radium Emanation Corporation. 227,248; Apr. 13.
Remedy for hemorrhoids. J. Coley. 227,391; Apr. 13.
Salve, Healing. G. J. Praechtl. 227,381; Apr. 13.
Sulphate, Barium. Mithra Cultures de Plantes Medicinales, S. a. r. l. 209,931; Apr. 13.
Tablets, Voice and throat. Gaba A. G. 207,454–5; Apr. 13.

CLASS 10.

Fertilizer. A. Dickman. 228,089; Apr. 13.

CLASS 12.

Cement. Fusetite Corporation. 227,172; Apr. 13.
Roofing, Smooth-surface asphalt ready. C. M. McClung & Co. 225,368; Apr. 13.
Stone. Victor Oolitic Stone Company. 227,282; Apr. 13.
Tile and brick. Ohio Clay Company. 227,032; Apr. 13.

CLASS 13.

Clamps or belt fasteners, Belt. Victor Balata & Textile Belting Co. 224,892; Apr. 13.
Cocks, air nozzles, angle valves, valves, etc., Air. Joplin Supply Company. 225,560; Apr. 13.
Trays, crumb and sink scrapers, brush-holding racks, Crumb. Fuller Brush Company. 203,307; Apr. 13.
Wire fence. Keystone Steel & Wire Company. 227,400; Apr. 13.
Wire screen cloth, wire fabric, and wire netting, Galvanized or zinc-coated. Wickwire Spencer Steel Company. 227,546; Apr. 13.

CLASS 14.

Alloy steels and castings made therefrom. Massillon Steel Casting Company. 220,733; Apr. 13.
Bronze sheets. U. T. Hungerford Brass & Copper Co. 227,586; Apr. 13.
Metal and alloys of metal. Cronite Foundry Company Limited. 228,087; Apr. 13.
Steel plates. Youngstown Sheet & Tube Company. 227,868; Apr. 13.
Tin, Pig and ingot. Capper Pass & Son, Ltd. 225,549; Apr. 13.

CLASS 16.

Paint and paint enamel. Boston Varnish Company. 210,341; Apr. 13.
Paint enamels and varnishes. Boston Varnish Company. 210,342; Apr. 13.
Pigments, Dry earth. Reichard-Coulston, Inc. 218,718–19; Apr. 13.

CLASS 17.

Cigarettes, cigars, and smoking tobacco. M. M. Leichter. 226,004; Apr. 13.
Cigars. Bayuk Cigars Incorporated. 222,060; Apr. 13.
Cigars. Cuesta, Rey & Company. 226,639; Apr. 13.
Cigars, cigarettes, and smoking tobacco. V. Rodriguez. 226,377; Apr. 13.
Tobacco, Chewing. H. Ormsby. 225,017; Apr. 13.
Tobacco, Chewing. Ryan-Hampton Tobacco Co. 226,024; Apr. 13.

CLASS 19.

Automobiles, Rear-vision mirror for. Woolworth Chemical Company. 225,753; Apr. 13.

CLASS 21.

A-battery eliminators, B-battery eliminators, C-battery eliminators, and battery chargers. Pep Manufacturing Company. 225,052; Apr. 13.
Automobile headlights, Light-directing means for. Auto-Motive Lighting Device Company. 219,106; Apr. 13.
Automobile ignition parts. Peak Motor Products Company. 227,533; Apr. 13.
Batteries and dry cells. Marathon Battery Company. 198,812; Apr. 13.
Electric motors, electric relays, electrically-driven buffers, etc. Valley Electric Company. 222,644; Apr. 13.
Fans, Electric. Galvin Electric Manufacturing Company. 227,230; Apr. 13.
Horns, Electric signal. North East Electric Company. 227,185; Apr. 13.
Lightning arresters. Electric Service Supplies Company. 227,160; Apr. 13.
Motors, Electric. Brown-Brockmeyer Co. 227,106; Apr. 13.
Radio receiving sets and parts thereof. C. S. Beardsley. 219,366; Apr. 13.
Radio receiving sets and storage-battery-charging sets, Current-supply devices for. Gould Storage Battery Company. 226,895; Apr. 13.
Signs, Electrically-illuminated. Flexlume Corporation. 227,513; Apr. 13.
Sockets, Pull. Hart & Hegeman Mfg. Co. 225,881; Apr. 13.
Telephonic instruments and apparatus and radio apparatus, parts, and appurtenances. Stromberg-Carlson Telephone Mfg. Co. 221,143; Apr. 13.

CLASS 22.

Dolls and footballs. Live Long Toys. 225,699; Apr. 13.
Dumb-bells, grip developers, and muscular developers. G. Campbell. 222,305; Apr. 13.
Fishing reels. Enterprise Manufacturing Company. 227,266; Apr. 13.
Game played with balls and mallets. Korolo Game Company. 226,249; Apr. 13.
Picture-construction sets of layer pieces. Hales Layer Poster Corporation. 223,962; Apr. 13.
Tennis rackets. A. G. Spalding & Bros. 226,308; Apr. 13.
Toy buildings. H. Chase. 212,321; Apr. 13.
Toy figures, balls, and toy balloons. H. S. Wittmaak. 226,410; Apr. 13.

CLASS 23.

Blockers, Beet. J. F. Prenosil. 226,557; Apr. 13.
Boilers, Appliances for cleaning. Diamond Power Specialty Corporation. 227,445; Apr. 13.
Fans, blowers, gas engines, etc. B. F. Sturtevant Company. 173,055; Apr. 13.
Guns, Straightedge-forming attachment for spray. Spraco Painting Equipment Company. 227,539; Apr. 13.
Lathes, planers, drill presses, chisels, saw blades, etc. W. B. Boom. 225,762; Apr. 13.
Mixers, vacuum pans, crutchers, etc. Sowers Manufacturing Company. 191,418; Apr. 13.
Presses, Baling. M. Loewy. 226,435; Apr. 13.
Soda fountain, Automatic. Sodoasis Manufacturing Co. 226,083; Apr. 13.
Swabs, Oil-well. L. G. Burt. 225,502; Apr. 13.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tools and machines and parts thereof, Power-driven threading and pipe-working. Oster Manufacturing Company. 224,201; Apr. 13.
Woodworking machinery and parts thereof. Dewalt Products Co. 227,343; Apr. 13.

CLASS 24.

Laundry pads. John T. Stanley Co. 221,781; Apr. 13.
Washing machines, Clothes or laundry. Altorfer Bros. Company. 216,760; Apr. 13.

CLASS 25.

Hardware, Builders'. Fraim-Slaymaker Hardware Co. 225,086; Apr. 13.
Safes. Shaw-Walker Company. 227,091; Apr. 13.

CLASS 26.

Cinematograph recording and exhibiting apparatus, films bearing moving-picture records, etc. Tri-Ergon A.-G. 207,418; Apr. 13.
Dilatometers. Stanley P. Rockwell Company. 227,040; Apr. 13.
Drawing instruments. Keuffel & Esser Company. 225,265; Apr. 13.
Photographic film. Eastman Kodak Company. 227,299; Apr. 13.
Picture films, Advertising and publicity motion-. Alexander Industries, Inc. 227,402; Apr. 13.
Rule, Metal. S. M. Schenkein. 227,370; Apr. 13.
Voltmeters. Weston Electrical Instrument Corporation. 227,097; Apr. 13.

CLASS 27.

Clock and watch cases. Bakelite Corporation. 222,428; Apr. 13.

CLASS 28.

Bracelets and sautoirs, Wrist-watch. L. Heller & Son, Inc. 227,453; Apr. 13.
Buttons, cuff links, pins, earrings, bracelets, Collar, etc. Vogel Brothers Company Inc. 224,736. Apr. 13.
Pearls, Artificial. Henshel Co. 226,486; Apr. 13.
Rings, Finger. Joseph L. Herzog & Co. 227,177; Apr. 13.

CLASS 29.

Brushes. Harrison Brush Company. 227,176; Apr. 13.
Brushes. Sullivan Brush Co. 222,802; Apr. 13.
Brushes, Painters' Solo-Horton Brush Company. 224,116; Apr. 13.
Brushes, Painters'. Solo-Horton Brush Company. 224,786; Apr. 13.

CLASS 31.

Refrigerating apparatus, refrigerating machines, refrigerators, and refrigerating plants. Aktiebolaget Elektrolux. 220,587; Apr. 13.
Vacuum filters, sand filters, drying systems, drum-type driers, etc., Automatic. Filtration Engineers, Inc. 222,029–30; Apr. 13.

CLASS 32.

Chairs and tables for household purposes. J. C. Spach Wagon Works. 222,713; Apr. 13.
Furniture, Household. Tell City Furniture Company. 223,347; Apr. 13.

CLASS 33.

Bottles, Glass. Illinois Glass Company. 213,054; Apr. 13.

CLASS 34.

Coal. Holly Stover, Incorporated. 227,017; Apr. 13
Oil burners. National Automatic Burner Company 227,081; Apr. 13.

CLASS 35.

Leathers for well valves, Cup. Clayton, Mark & Company. 213,660; Apr. 13.
Tire flaps. R. H. Schwartz. 225,620; Apr. 13.

CLASS 36.

Musical instruments, Monochord. Bee Jay Products Co 225,948; Apr. 13.
Pianos. Milton Piano Company. 227,409; Apr. 13.

CLASS 37.

Books, Score. A. G. Spalding & Bros. 220,368; Apr. 13.
Paper napkins and towels. A. R. Melker. 228,962; Apr. 13.

CLASS 38.

Books and pamphlets, Printed. Federal Securities Corporation. 225,259; Apr. 13.
Books, leaflets, letters, circulars, etc. Standard Statistics Company. 223,666; Apr. 13.
Books of tables. American Banking Company. 207,283–4; Apr. 13.
Magazine, Monthly. Dance Publishing Corporation. 226,100; Apr. 13.
Magazine, Monthly. Pacific Legion, Inc. 224,720; Apr. 13.
Magazine, Name of a monthly. Musical Observer Co. 227,410; Apr. 13.
Magazine, Name of a semimonthly. Metronome Publishing Company. 227,407; Apr. 13.
Newspaper, Title for daily comic strip in. Press Publishing Company. 226,866; Apr. 13.
Organ and serial publications, House. Celite Company. 224,953; Apr. 13.

CLASS 39.

Belts for personal wear. Paramount Belt and Novelty Co. 213,591; Apr. 13.
Boots, shoes, and overshoes, and rubber-soled canvas shoes, Rubber. Hood Rubber Company. 219,332; Apr. 13.
Boots, shoes, and overshoes, and rubber-soled canvas shoes, Rubber. Hood Rubber Company. 219,332; Apr. 13.
Caps, Bathing. M. Hamilton. 228,035; Apr. 13.
Coats and overcoats, Top. J. Schoeneman, Incorporated. 226,306; Apr. 13.
Costumes, coats, and skirts for women; hats, caps, suits, and overcoats for men and children. J. & J. C. Dorward Limited. 220,599; Apr. 13.
Dresses. Lang-Kohn Manufacturing Company. 218,419; Apr. 13.
Dresses of silk, cotton, wool, etc. Biesenthal-Johnston Co. 226,877–8; Apr. 13.
Gloves. John V. Farwell Company. 259,861; Apr. 13.
Gloves. Daniel Hays Company. 225,557; Apr. 13.
Gloves and cotton gloves with leather palms, Leather. National Glove Company. 223,933; Apr. 13.
Hats, Ladies'. J. Halt. 207,564; Apr. 13.
Hats, Ladies'. Myers Hats Inc. 227,595; Apr. 13.
Hose protector. L. L. Lyons. 225,310; Apr. 13.
Hosiery. W. T. Henderson. 214,548; Apr. 13.
Hosiery. P. Kafoure. 228,112; Apr. 13.
Hosiery. W. J. McClelland. 226,069; Apr. 13.
Shirts and pyjamas. L. Baskind. 228,023; Apr. 13.
Shirts, drawers, and union suits. Manhattan Shirt Co. 228,003; Apr. 13.
Suits and overcoats, Men's. Rechtman & Raphal. 201,581; Apr. 13.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company. 227,794; Apr. 13.
Suspenders, Straps of. C. Darnon. 225,155; Apr. 13.
Underwear, Knitted. J. C. Fonnesbeck. 226,720; Apr. 13.
Underwear, shirts, shirt waists, hosiery, and dresses. David H. Posner Inc. 223,055; Apr. 13.

CLASS 40.

Embroidery outfits, Art. Treng Manufacturing Co. 209,599; Apr. 13.
Hairpins made of precious metals. Smith & Sons Corporation. 225,811–12; Apr. 13.

CLASS 41.

Umbrellas and umbrella handles. W. N. Stevenson & Co. 227,861; Apr. 13.

CLASS 42.

Carpets, Textile. Bigelow-Hartford Carpet Company. 211,324; Apr. 13.
Fabrics, Woven. A. W. Baylis Co. 226,799; Apr. 13.

CLASS 44.

Napkins, Sanitary. Caledonia Cellulose Company. 228,226; Apr. 13.
Nipples, Nursing-bottle. J. Blackman. 227,824; Apr. 13.
Sanitary napkins. Novox Laboratories, Inc. 226,734; Apr. 13.
Sanitary napkins. United Drug Company. 226,836; Apr. 13.
Syringes, Hypodermic. E. Pinkus. 228,066; Apr. 13.

CLASS 45.

Ginger ale. Minneapolis Brewing Company. 227,528; Apr. 13.
Vichy water, Artificial. Queen City Bottling Co. 226,077; Apr. 13.

CLASS 46.

Apples and walnuts, Fresh. Sealy-Dresser Co. 226,169; Apr. 13.
Apples, peaches, pears, plums, etc., and canned fruits. Michigan Fruit Growers, Incorporated. 218,983; Apr. 13.
Biscuits, coffee, chocolate drops, candy, etc. Francis H. Leggett & Company. 219,397; Apr. 13.
Butter. Sago Milk Products Co. 225,982; Apr. 13.
Cake, Sugar-wafer bar. Perfection Biscuit Company. 225,730; Apr. 13.
Cakes, Icings, desserts, etc., Flavors for. C. B. Pfaff. 226,863; Apr. 13.
Candy. C. F. Blanke Candy Co. 226,093; Apr. 13.
Candy. Gardner Candy Company. 227,067; Apr. 13.
Candy. Reid, Murdoch & Co. 223,139; Apr. 13.
Candy. S. Ritner. 210,083; Apr. 13.
Candy and chocolates. J. A. Waldrep. 227,617; Apr. 13.
Canned foods and roasted coffee. E. S. Kibbe Company. 226,198; Apr. 13.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned fruits, vegetables, bottled cherries and olives, etc. New Castle Grocery Co. 208,157; Apr. 13.
Canned fruits, vegetables, fish, and fruit salad and dried fruits. Landauer & Co. 223,177; Apr. 13.
Canned vegetables, fruits, fish, etc. McCord-Brady Co. 226,298; Apr. 13.
Chili sauce. P. Baca. 201,529; Apr. 13.
Chips and salad dressing, Saratoga. Sierra Food Company. 209,501; Apr. 13.
Chocolate, Milk. Chocolate Sales Corporation. 226,634; Apr. 13.
Cocoa and chocolate. E. & A. Opler Inc. 226,783; Apr. 13.
Coffee, tea, spices, and flavoring extracts. H. J. Gordon. 225,709; Apr. 13.
Coffees, Mocha. American Over-Orient Trading Corporation. 193,088; Apr. 13.
Egg substitutes. Eg-Cono-Me Manufacturing Company. 209,779; Apr. 13.
Eggs. Atlantic Coast Poultry Producers Association. 227,767; Apr. 13.
Extracts of meat and compounds thereof. Valentine's Meat-Juice Company. 226,749–50; Apr. 13.
Feed, Chicken. Geis-Price Elevator Company. 224,328; Apr. 13.
Flour. Model Mill Company. 227,592; Apr. 13.
Flour, Graham flour, whole-wheat flour, and corn meal. Wheat. Consolidated Flour Mills Company. 215,140; Apr. 13.
Flour, Wheat. Mauser Mill Company. 226,152; Apr. 13.
Flour, Wheat. Red Star Milling Company. 209,365; Apr. 13.
Food, Fish. Potter-Wrightington, Inc. 212,033; Apr. 13.
Foods and groceries, Chinese. W. Hing. 209,889; Apr. 13.
Fruit-flavored tablets. E. C. Rich, Inc. 227,965; Apr. 13.
Fruits. Colfax-Fruit Growers Association. 217,072; Apr. 13.
Ginger, crystallized ginger, and wine jelly, Preserved. A. L. Rich. 222,089; Apr. 13.
Gluten developer. American Bakery Materials Company. 225,820; Apr. 13.
Grapes. Pinkham Holdings Co. 218,328; Apr. 13.
Grapes. Pinkham Holdings Co. 218,331; Apr. 13.
Lard substitutes. Aspegren & Co. 227,766; Apr. 13.
Mayonnaise and salad dressing. Tuor & Staudenmann Schweiz. Citrovinfabrik. 218,584; Apr. 13.
Mayonnaise, mayonnaise salad dressing, Russian dressing, etc. E. C. Conner. 219,275; Apr. 13.
Milk and cultures used in making cultured milk, Cultured. L. F. Rettger. 226,738; Apr. 13.
Nuts. Surbrug's Nut Products, Ltd. 209,439; Apr. 13.
Oats, Rolled. Quaker Oats Company. 227,601; Apr. 13.
Oleomargarine. G. H. Hammond Company. 227,791; Apr. 13.
Oranges, lemons, and grapefruit. Piru Citrus Association. 224,043; Apr. 13.
Oranges, lemons, grapefruit, grapes, tomatoes, etc. Osborne Fruit & Vegetable Co. 219,837; Apr. 13.
Paprika. H. D. J. Navarro. 217,710; Apr. 13.
Poultry and eggs, Dressed. Werner Poultry Co. 224,891; Apr. 13.
Salmon and canned loganberries, Canned. McGovern & McGovern. 219,901; Apr. 13.
Vanilla, marshmallow frost, cocoa paste, etc., Bakers'. Keystone Fruit Products Company. 223,583; Apr. 13.
Waffles. H. L. Walker. 218,674; Apr. 13.

CLASS 49.

Mayonnaise spread for sandwiches, vegetable relish, etc. Sar-A-Lee Company. 223,143; Apr. 13.

CLASS 50.

Ladders. Consolidated Pump Co. 227,004; Apr. 13.
Statuettes. M. M. Bonsor. 209,969; Apr. 13.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,580,797; Apr. 13.
Abbott, Ransloe B., Reading, Pa. Guard-rail brace. 1,580,628; Apr. 13.
Abella, José, and J. Mora, New York. Window lock. 1,580,798; Apr. 13.
Aberson, Charles E., Loughman, Fla. Reel. 1,580,986; Apr. 13.
Abney, Miles, et al. (See Smith, Luther, assignor.)
Aeolian Company, The. (See Krause, William P., assignor.)
Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Motor-starting apparatus. 1,580,629; Apr. 13.
Akron Equipment Company, The. (See Schmidt, Richard, assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Jabs, Asmus, assignor.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,580,630; Apr. 13.
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device for telephone-exchange systems. 1,580,940; Apr. 13.
Albinson, James E., Washington, D. C. Extension-pipe joint. 1,580,941; Apr. 13.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering-wheel brake. 1,580,631; Apr. 13.
Alden Manufacturing Co. (See Alden, Milton, assignor.)
Alden, Milton, assignor to Alden Manufacturing Co., Springfield, Mass. Socket for vacuum tubes. 1,580,942; Apr. 13.
Alexander, John E., et al. (See White, Alfred H., assignor.)
Alford, Joseph C., Maben, Miss. Fountain pen. 1,580,987; Apr. 13.
Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 1,580,359; Apr. 13.
Allen, S. L., & Co. (See Mader, Joseph, assignor.)
Allie, Lafayette J., assignor of one-half to V. G. Allie, St. Paul, Minn. Damper. 1,580,106; Apr. 13.
Allie, Valentine G. (See Allie, Lafayette J., assignor.)
Allison Engineering Company. (See Gilman, Norman H., assignor.)
Allmänna Telefonaktiebolaget L. M. Ericsson. (See Palmgren, Nils G., assignor.)
Allstott, James O., Paoli, Okla. Feed mixer. 1,580,988; Apr. 13.
Aluminum Manufactures, Incorporated. (See Jardine, F., and Jeble, assignors.)
Alvord, Melzar H., Boise, Idaho. Towing device. 1,580,989; Apr. 13.
American Brake Shoe and Foundry Company, The. (See De France, Murrell R., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Optical Company. (See Brown, Andrew V., assignor.)
American Optical Company. (See Wrighton, William J., assignor.)
American Pin Company, The, Division Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
American Rolling Mill Company. (See Tytus, John B., assignor.)
American Sales Book Company. (See Wiswall, William J., assignor.)
American Telephone and Telegraph Company. (See Fell, John M., assignor.)
American Telephone and Telegraph Company. (See Nyquist, H., Bouton, and Shoffstall, assignors.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Tool & Machine Company. (See Stewart, Robert T., assignor.)
Anaconda Copper Mining Company. (See Laist, F., and Frick, assignors.)
Anchor Stove & Range Co. (See Hetherington, Sidney W., assignor.)
Anderson, Alexander, Irvington, N. J., assignor to Continental Optical Corporation, New York, N. Y. Ophthalmic mounting. 1,580,632; Apr. 13.
Anderson, Charles A., Canton, Ohio. Metal partition wall construction. 1,580,107; Apr. 13.
Anderson, David E., St. Paul, Minn. Rail frog. 1,580,108; Apr. 13.
Anderson, George R., Santa Rosa, Calif. Fruit drier. 1,580,274; Apr. 13.
Andrews, Frank W., assignor, by mesne assignments, to Superior Refrigeration, Inc., Wapakoneta, Ohio. Gas-liquefying apparatus. 1,580,360; Apr. 13.
Anson, Frank H., Iroquois Falls, Ontario, Canada. Machine for applying heads to the ends of rolls. 1,580,361; Apr. 13.
Antiscale Limited. (See Schnetzer, Karl, assignor.)
Anzalone, Robert, Brooklyn, N. Y. Fountain toothbrush. 1,580,799; Apr. 13.
Appleton Manufacturing Company. (See Van Nortwick, John, assignor.)
Arden, Thomas R., Bellmore, assignor to J. Chein, New York, N. Y. Toy tambourine. 1,581,081; Apr. 13.
Armstrong Cork Company. (See Cover, Lester E., assignor.)
Armstrong Manufacturing Company. (See Watson, George R., assignor.)
Art Cage Manufacturing Company. (See Zimmerman, Hymen, assignor.)
Ashenfelter, Joseph W., Alberton, Mont. Clamping device for car wheels. 1,580,275; Apr. 13.
Ashton, John T., Alexandria, Va. Supporting device. 1,580,772; Apr. 13.
Atzberger, Frank X., East Islip, N. Y. Radiator. 1,580,633; Apr. 13.
Auchincloss, John, Scotia, N. Y., assignor to General Electric Company. Synchronizing system. 1,580,800; Apr. 13.
Auld, D. L., Company, The. (See Auld, Frederick H., assignor.)
Auld, Frederick H., assignor to The D. L. Auld Company, Columbus, Ohio. Decorating metal plates. 1,580,773; Apr. 13.
Auli, Jerome J., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Lubricator. 1,580,990; Apr. 13.
Auto-Mailing Machinery Company. (See Smith, Edwin R., assignor.)
Automatic Electric Inc. (See Benson, William A., assignor.)
Automatic Electric Inc. (See Jacobsen, Emil, assignor.)
Automatic Electric Inc. (See Keith, Alexander E., assignor.)
Automatic Electric Inc. (See Martin, Talbot G., assignor.)
Automatic Machine Development Corporation. (See Kibbe, Preston F., assignor.)
Ayer, Jules, London, England. Headlights of vehicles. 1,580,276; Apr. 13.
Babcock & Wilcox Company, The. (See Kemnal, James, assignor.)
Bailey, Harrison, Mount Carmel, Pa. Sliding-foot-rest-accelerator control. 1,580,991; Apr. 13.
Baker, Clarence I., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Calling dial. 1,580,943; Apr. 13.
Baker, Lynette D. (See Moore, Henry D., assignor.)
Baker, Max L. (See Danks, R. L., and Baker.)
Bakken, Andrew H. (See Crabbs, H. J., and Bakken.)
Baldwin, Burr C., Hollywood, Calif. Clothes washer. 1,580,362; Apr. 13.
Ball and Ball Carburetor Company. (See Ball, Frederick O., assignor.)
Ball, Frederick O., assignor to Ball and Ball Carburetor Company, Detroit, Mich. Reatomizer. 1,580,634; Apr. 13.
Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,580,944; Apr. 13.
Ballou, George F., New York, N. Y. Manicure instrument. 1,580,109; Apr. 13.
Barbe, Edgar H. (See Guissart, A., and Barbe.)
Barber, Frank W., Nashville, Tenn. Insecticide. 1,580,992; Apr. 13.
Barber, Fred W. (See La Cross, W. T., and Barber.)

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Multicolor web-perfecting printing press. 1,580,635; Apr. 13.
Barber, William E., Farnborough, England. Remote control mechanism. 1,580,877; Apr. 13.
Bard, Charles T., Norwich, Conn. Fluid-cut-off mechanism. 1,580,277; Apr. 13.
Barenyi, Karl A., Berlin-Lichterfelde, Germany. Electric starter for internal-combustion engines. 1,580,636; Apr. 13.
Barker, Seth S., Ottumwa, Iowa. Poultry-feeding battery. 1,580,774; Apr. 13.
Barker, Seth S., Ottumwa, Iowa. Door construction for poultry coops. 1,580,775; Apr. 13.
Barr, John H. (See Richardson, F. E., and Barr.)
Barsby, Harry H., Denver, Colo. Brake for baggage trucks. 1,580,801; Apr. 13.
Bartels, Reinhard E., Lynn, Mass. Making shank stiffeners. 1,580,278; Apr. 13.
Bartlett, William D., assignor to The Ross Manufacturing Company, Cleveland, Ohio. Tool dresser. 1,580,945; Apr. 13.
Barton, Theophilus F., Schenectady, N. Y., assignor to General Electric Company. Electric regulating system. 1,580,802; Apr. 13.
Baruch, Milton, Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company. Elevator. 1,580,363; Apr. 13.
Baruch, Samuel, New York, N. Y. Seal and knot protector. 1,580,946; Apr. 13.
Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Locomotive or car truck. 1,580,803; Apr. 13.
Bates, George T., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,580,364; Apr. 13.
Bauer Brothers Company, The. (See Daniel, Allan P., assignor.)
Bauer Lock Company. (See Ganz, William, assignor.)
Baumann, Ernst K. A., Stuttgart, Germany. Aeroplane. 1,580,577; Apr. 13.
Baumeister, Leonhard, assignor to the Firm: Reiniger, Gebbert & Schall Aktiengesellschaft, Erlangen, Bavaria, Germany. X-ray system. 1,580,804; Apr. 13.
Bay State Optical Company. (See Clulee, Stephen J., assignor.)
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying reenforcing strips to articles of footwear. 1,580,110; Apr. 13.
Bean, Deicie D., East Jaffrey, N. H. Reenforced box. 1,580,279; Apr. 13.
Bean, Leon H., Pawtucket, R. I. Insulator. 1,580,463; Apr. 13.
Bechtold, William S., Newark, N. J. Comb. 1,580,365; Apr. 13.
Beck, Alfred R., Holcomb, Miss. Dancing doll. 1,580,993; Apr. 13.
Becker, Edmond H. (See Martus, M. L., Ross, and Becker.)
Bedard, Frank W. (See Easdale, G. W., and Bedard.)
Beebe, Murray C., and E. M. Wise, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Serial-numbering device. 1,580,947; Apr. 13.
Bell, Albert C., trustee. (See Sessions, Edson O., assignor.)
Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Glass goblet or similar article. Des. 69,868; Apr. 13.
Bell, James B., Pelzer, S. C., assignor to Draper Corporation, Hopedale, Mass. Loom treadle guide. 1,580,948; Apr. 13.
Bell Telephone Laboratories, Incorporated. (See Otis, R. M., and Funk, assignors.)
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Elevating grader. 1,580,637; Apr. 13.
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Elevating grader. 1,580,638; Apr. 13.
Bendix Brake Company. (See Sharlock, H. L., and McConkey, assignors.)
Bennis, Alfred W., Bolton, England. Water-heating and steam-generating boiler. 1,580,776; Apr. 13.
Benson, William A., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Service observation arrangement for telephone systems. 1,580,398; Apr. 13.
Bentz, Charles, St. Marys, Ohio. Railway safety crossing. 1,580,777; Apr. 13.
Berg, Andrew, assignor to The Coulter & McKenzie Machine Company, Bridgeport, Conn. Rotary swaging machine. 1,580,949; Apr. 13.
Berg, John, assignor to Metal Specialties Mfg. Co., Chicago, Ill. Electric connecter. 1,580,639; Apr. 13.
Berger, Simon, New York, N. Y. Artificial flower. 1,580,399; Apr. 13.
Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper folding carton and the like. 1,580,366; Apr. 13.
Berry, William O., Caro, Mich. Eyebeam hanger. 1,580,578; Apr. 13.
Bethlehem Steel Company. (See Hummel, Howard H., assignor.)
Beulke, Gordon W., St. Paul, Minn., assignor to Standard Conveyor Company. Conveyer roller. 1,580,367; Apr. 13.
Beusa, Felice. (See Zinke, A. and Pongratz, assignors.)
Bibby, Reginald, Edmonton, Alberta, Canada. Washing machine. 1,580,640; Apr. 13.
Bierman, William, Pittsburgh, Pa. Side bearing. 1,580,641; Apr. 13.
Binder, John, New Hyde Park, assignor, by mesne assignments, to New Process Cork Company, Inc., Brooklyn, N. Y. Machine for manufacturing bottle closures. 1,580,642; Apr. 13.
Binder, Oscar C., New York, N. Y. Necktie container. 1,580,643; Apr. 13.
Bindschedler, Emile. (See Braunlich, Friedrich, assignor.)
Blair, Rolandis A., Fort Wayne, Ind., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,580,644; Apr. 13.
Bleecker, George W., et al, trustees. (See Pendleton, Pynm L., assignor.)
Blumenfeld, Frances H., Richmond, Calif. Combined sanitary shield and receptor. 1,580,464; Apr. 13.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,580,368; Apr. 13.
Boden, George, assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Marking pin. 1,580,579; Apr. 13.
Boesche, Walter, Plymouth, Pa. Aircraft. 1,580,950; Apr. 13.
Bogin, Charles. (See Legg, D. A., and Bogin.)
Bohnenblust, Arnold, Riley, Kans. Antifreezing device. 1,580,111; Apr. 13.
Bollinger, Jesse F., Meridian Corners, Calif. Prune turner. 1,580,805; Apr. 13.
Bommarito, Paul, Detroit, Mich. Composition for the treatment for goiter. 1,580,400; Apr. 13.
Bone, Evan P., Cincinnati, Ohio. Sound producer. 1,580,112; Apr. 13.
Bonney, Jesse T., Franklin, Va. Check-controlled liquid-dispensing machine. 1,580,113; Apr. 13.
Boomer, Ralph J. (See Lamoreaux, L., and Boomer.)
Boone, James H. (See Dixon, C. E., and Boone.)
Borden, James E., Portsmouth, N. H. Hydraulic prime mover. 1,580,806; Apr. 13.
Borden, James E., Portsmouth, N. H. Hydraulic motor. 1,580,807; Apr. 13.
Borden, James E., Portsmouth, N. H. Impelling mechanism. 1,580,808; Apr. 13.
Borgadt, John B., Cleveland, Ohio. Electric welding device. 1,580,401; Apr. 13.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Top construction. 1,580,280; Apr. 13.
Bouton, Lewis L. (See Nyquist, H., Bouton, and Shoffstall.)
Bowe, David W., Detroit, Mich. Mold for concrete stringers. 1,580,281; Apr. 13.
Bowen Products Corporation. (See Skelly, Bernard H., assignor.)
Bowne, Langford J., Howard Beach, N. Y., and H. W. Ulrich, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,580,951; Apr. 13.
Boynton, Alexander, San Antonio, Tex. Closure for tanks. 1,580,229; Apr. 13.
Bradshaw, Joe B., Stanford, Ky. Adjustable stovepipe. 1,580,552; Apr. 13.
Brake, George U., and C. Hollmann, Fort Wayne, Ind. Tube-winding machine. 1,580,369; Apr. 13.
Bramlette, Ellen R., et al. (See Robinson, Hassel D., assignor.)
Bramlette, Thomas G., et al. (See Robinson, Hassel D. assignor.)
Brandes Laboratories, Inc. (See Brown, Ralph L., assignor.)
Brandstetter, Josef, Chicago, Ill. Windshield guard. 1,580,645; Apr. 13.
Brattly, John C., St. Paul, Minn. Guard for grain-binder conveyers. 1,580,646; Apr. 13.
Braun, Hubert J. (See O'Kane, Stanley B., assignor.)
Bräunlich, Friedrich, Aussig, Czechoslovakia, assignor of one-half to E. Bindschedler, Philadelphia, Pa. Water-soluble essential oils and perfumes. 1,580,952; Apr. 13.
Breck, George D., Cleveland, Ohio. Treating ferrous metal to prevent corrosion. 1,580,647; Apr. 13.
Bremer, Harry A., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill. Curved spirally-wound coil and producing the same. 1,580,953; Apr. 13.
Bremer-Tully Manufacturing Company. (See Bremer, Harry A., assignor.)
Brenny, Thomas P., Foley, Minn. Halter. 1,580,553; Apr. 13.
Brereton, Wilfred P., Winnipeg, Manitoba, Canada. Golf ball. 1,580,230; Apr. 13.
Brett, James J., assignor of one-half to G. S. Fosnaugh, Huntington Beach, Calif. Pump valve. 1,580,402; Apr. 13.
Brewster, Percy D., East Orange, N. J. Color cinematography. 1,580,114; Apr. 13.
Brewster, Percy D., East Orange, N. J. Color cinematography. 1,580,115; Apr. 13.

Briscoe Devices Corporation. (See Briscoe, Frank, assignor.)
Briscoe, Frank, Jackson, assignor, by mesne assignments, to Briscoe Devices Corporation, Pontiac, Mich. Carburetor. 1,580,403; Apr. 13.
Bronson, Claude F., Findlay, Ohio. Chicken brooder. 1,580,580; Apr. 13.
Brooks, Laura B., et al. (See Brooks, Leon D., assignor.)
Brooks, Leon D., San Francisco, assignor to I. G. Krieger, Lodi, and L. B. Brooks, Oakland, Calif. Golf putting device. 1,581,092; Apr. 13.
Brouse, Chase M., Mitchell, S. Dak. Snap fastener. 1,580,116; Apr. 13.
Brown & Bigelow. (See Welcker, Paul H., assignor.)
Brown, Andrew V., Philadelphia, Pa., assignor to American Optical Company, Southbridge, Mass. Multifocal lens. 1,580,282; Apr. 13.
Brown, Bertha W., assignor to R. H. Brown, La Porte, Ind. Child's support for use in automobiles. 1,580,404; Apr. 13.
Brown, Carl A., East Cleveland, Ohio, assignor to General Electric Company. Glass-severing apparatus. 1,580,809; Apr. 13.
Brown, George H., Fort Bayard, N. Mex. Fire escape. 1,580,283; Apr. 13.
Brown, James, et al. (See Smith, Luther, assignor.)
Brown, James W., Winnsboro, Tex. Heel sweep. 1,580,405; Apr. 13.
Brown, Ralph L., assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,580,954; Apr. 13.
Brown, Reinhardt H. (See Brown, Bertha W., assignor.)
Browning, John M., Ogden, Utah. Support for firearms. 1,580,406; Apr. 13.
Bryant Electric Company, The. (See Christie, Lewis P., assignor.)
Bryce Brothers Company. (See Bell, Elmer, assignor.)
Buckham, George T. (See Dawson, A. T., and Buckham.)
Bull, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Governor for internal-combustion engines. 1,580,231; Apr. 13.
Bunker, H. M., & Co. (See Gardner, Percy, assignor.)
Bunnell, Clarence O., Vancouver, Wash. Note case. 1,580,994; Apr. 13.
Burdick, Edwin C., Philadelphia, Pa. Automatic gauging machine. 1,580,955; Apr. 13.
Burges, Laurie L. (See Flachslaender, J., and Burgess.)
Burnham, Joseph L., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,580,810; Apr. 13.
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. 1,580,811; Apr. 13.
Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control track element. 1,580,465; Apr. 13.
Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Rochester, N. Y. Train-control communicating element. 1,580,466; Apr. 13.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,580,467; Apr. 13.
Button, George W., Corporation. (See Sierad, Milton and A. E., assignors.)
Buxton, Incorporated. (See Reiter, Daniel I., assignor.)
Byerlein, Arthur A., assignor to The Toledo Machine and Tool Company, Toledo, Ohio. Metal stamping and drawing press. 1,580,581; Apr. 13.
Cable, William S. (See Dales, B., and Cable.)
Calverley, John E., and W. E. Highfield, Preston, England. Apparatus for transforming electrical energy. 1,580,553; Apr. 13.
Cameron, William, Suez, Egypt, assignor to Simplex Refining Company, San Francisco, Calif. Dehydrating emulsions. 1,580,956; Apr. 13.
Campbell, Williard W., et al. (See Hilzson, Charles T., assignor.)
C & E Sales Corporation. (See Layman, I. B., and Thurman, assignors.)
Capps, William P., Shreveport, La. Gas burner. 1,580,995; Apr. 13.
Cardegna, Frank A. (See Einwaechter, F. H., jr., and Cardegna.)
Carlson, John A., Tacoma, Wash. Band saw. 1,580,407; Apr. 13.
Carlson, Walter C., Milwaukee, Wis. Advertising display container. 1,580,284; Apr. 13.
Carlson, Walter C., Milwaukee, Wis. Knockdown carton. 1,580,285; Apr. 13.
Carman, Alvin E., Calgary, Alberta, Canada. Spoon-supporting means. 1,580,582; Apr. 13.
Carr, Moses F., Lexington, assignor to Carr Fastener Company, Cambridge, Mass. Press. 1,580,648; Apr. 13.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-nitrate composition. 1,580,189; Apr. 13.
Cantagna, Vito. (See Giudice, Calogero, assignor.)
Catlin, Winfield, Rockville, assignor of one-half to C. A. Weaver, Hillsboro, Ind. Animal trap. 1,580,583; Apr. 13.
Cello Products Incorporated. (See Colle, Jules J. and A., assignors.)
Cenek, Robert R. (See Pearce, Edward E., assignor.)
Chaffe, William H., Detroit, Mich., and J. A. Miller, Tarrytown, N. Y.; said Chaffe assignor to General Motors Corporation, Detroit, Mich. Coating and baking apparatus for automobile parts and the like. 1,580,957; Apr. 13.
Chapman, Earl H., Kenwood Park, Iowa. Curtain-drying stretcher. 1,580,958; Apr. 13.
Cheetham, George A., Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. 1,580,408; Apr. 13.
Chein, Julius. (See Arden, Thomas R., assignor.)
Chemische Fabrik Griesheim-Elektron. (See Zitscher, A., and Schmitt, assignors.)
Chenery, William H., Montreal, Quebec, Canada. Detachable tread for footwear. 1,580,232; Apr. 13.
Cheney, George M., assignor to Litchfield Shuttle Company, Southbridge, Mass. Loom shuttle. 1,580,959; Apr. 13.
Cheney, George M., assignor to Litchfield Shuttle Company, Southbridge, Mass. Yarn-tensioning device for loom shuttles. 1,580,960; Apr. 13.
Cheney, George M., assignor to Litchfield Shuttle Company, Southbridge, Mass. Shuttle for automatic looms. 1,580,961; Apr. 13.
Chicago-Cleveland Car Roofing Company. (See Wright, William, assignor.)
Childress, Edward, et al. (See Richards, George C., assignor.)
Christian, Joe G. (See Fox, G. B., and Christian.)
Christiansen, Hans, assignor to Geo. J. Kelly, Inc., Lynn, Mass. Tube clamp. 1,580,649; Apr. 13.
Christie, Lewis P., Trumbull, assignor to The Bryant Electric Company, Bridgeport, Conn. Fuse plug. 1,580,996; Apr. 13.
Christie, Merton A., Eureka, Calif. Dirigible-headlight construction. 1,580,555; Apr. 13.
Christison, Donald L., New York, N. Y. Vapor-supply system for internal-combustion engines. 1,580,962; Apr. 13.
Chrome Steel Works. (See Schmidt, Charles H., assignor.)
Chubbuck, Charles I., San Francisco, Calif. Manufacturing hydrated lime. 1,580,710; Apr. 13.
Church, Edgar D., and F. S. Lash, assignors to Jackson & Church Company, Saginaw, Mich. Brake for brick machines. 1,580,584; Apr. 13.
Church, Edgar D., assignor to Jackson & Church Company Saginaw, Mich. Automatic measuring device. 1,580,585; Apr. 13, 1926.
Clark, George J. J. (See Dow, G. B. N., and Clark.)
Clark, James H., Detroit, Mich. Automatic brake-applying mechanism for trailers. 1,580,812; Apr. 13.
Clarke, Edgar W. (See Stewart, A. D., and Clarke.)
Clarke, John Q., assignor to J. Q. Clarke Tank Co., Crawfordsville, Ind. Collapsible chicken coop and yard. 1,581,082; Apr. 13.
Clarke, J. Q., Tank Co. (See Clarke, John Q., assignor.)
Clarkson, Guy S., assignor to D. R. Finkelstein, Winnipeg, Manitoba, Canada. Propeller for dishwashing machines. 1,580,586; Apr. 13.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Trunking system of radio distribution. 1,580,409; Apr. 13.
Cleveland Crane & Engineering Co., The. (See Wehr, William G., assignor.)
Cleveland Folding Machine Company, The. (See Olson, Andrew, assignor.)
Cleveland Gas Burner & Appliance Company. (See Kerr, Harry E., assignor.)
Cleveland Graphite Bronze Company, The. (See Johnson, Carl W., assignor.)
Clifford, William, Duluth, Minn. Dredge construction. 1,580,410; Apr. 13.
Cloud, Louise L., Honston, Tex. Station indicator. 1,580,286; Apr. 13.
Clow, James B., & Sons. (See Daily, Eugene V., assignor.)
Clulee, Stephen J., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,580,117; Apr. 13.
Coffing, Frederick W., assignor to O. Walter, Perrysville, Ind. Free-chain hoist. 1,580,411; Apr. 13.
Coleman, Walter M. (See Garman, L. C., and Coleman.)
Colladay, Edward F. (See Clement, Edward E., assignor.)
Colle, Achilles. (See Colle, Jules J. and A.)
Colle, Jules J. and A., Summit, N. J., assignors to Cello Products Incorporated, New York, N. Y. Glass substitute. 1,580,287; Apr. 13.
Collins, John H., Portland, Oreg. Mortising tool. 1,580,412; Apr. 13.
Colson Company, The. (See Roe, Mayo E., assignor.)
Combination Machine Company. (See Thom, James G., assignor.)
Commercial Shearing and Stamping Company, The. (See Cushwa, Charles B., assignor.)
Commercial Solvents Corporation. (See Hancock, Clarence W., assignor.)
Commercial Solvents Corporation. (See Legg, D. A., and Bogin, assignors.)
Commercial Solvents Corporation. (See Legg, D. A., and Hancock, assignors.)
Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)

Conrad, George H., assignor to K. M. Conrad, Helena, Mont. Supercharger for internal-combustion engines. 1,580,997; Apr. 13.

Conrad, Kathryn M. (See Conrad, George H., assignor.)

Consolidated Car Heating Company. (See Hynes, Lee P. assignor.)

Continental Optical Corporation. (See Anderson, Alexander, assignor.)

Cook Electric Company. (See Persons, Lawrence M., assignor.)

Cooper, Alvah, Atlanta, Ga. Blow-out shoe. 1,580,468; Apr. 13.

Copthorne, Howard N., Winnetka, assignor to Illinois Graphite Company, Chicago, Ill. Penetrating oil and lubricant. 1,580,233; Apr. 13.

Corbett, Nelson, Sedro Woolley, Wash. Sanitary oven door. 1,580,288; Apr. 13.

Coster, Dirk, Haarlem, Netherlands, and G. von Hevesy, Copenhagen, Denmark, assignors to Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken, Separating hafnium and zirconium. 1,580,650; Apr. 13.

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Coulter & McKenzie Machine Company, The. (See Berg, Andrew, assignor.)

Cover, Lester E., assignor to Armstrong Cork Company, Pittsburgh, Pa. Heat insulation for containers. 1,570,413; Apr. 13.

Coverstone, Oscar A., Pemberton, Ohio. Washing machine. 1,580,778; Apr. 13.

Cozzolino, Giuseppe U., and G. C. Flores, Turin, Italy. Bicycle or like frame. 1,580,414; Apr. 13.

Crabbs, Herbert J., Pittsburgh, and A. H. Bakken, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company. Horn-gap switch. 1,580,415; Apr. 13.

Crandall, Le Roy H., Boston, Mass. Coupling for metal-lined hose. 1,580,963; Apr. 13.

Crandall, Le Roy H., Roxbury, Mass. Coupling for metal-lined hose. 1,580,964; Apr. 13.

Crocker, Fred A., Lincoln Center, Me. Belt. 1,580,998; Apr. 13.

Croft, William H. (See Shoemaker, R. J., and Croft.)

Crompton, George, jr., Worcester, Mass. Coating textiles with metal. 1,580,779; Apr. 13.

Cromwell, Dewitt P., Hubbard, Ohio, and P. Cromwell, Terre Haute, Ind. Safety hook. 1,580,416; Apr. 13.

Cromwell Pattison. (See Cromwell, Dewitt P. and P.)

Cromwell, Pattison. (See Cromwell, Dewitt P. and P.) Indicator. 1,580,118; Apr. 13.

Crowe Name Plate & Manufacturing Co. (See Goodwin, Winslow, assignor.)

Crowe Name Plate & Manufacturing Company. (See Mamerow, George H., assignor.)

Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Folding-table brace. 1,580,289; Apr. 13.

Curren, Earl L. (See Espitallier, Andrew J., assignor.)

Curry, Thomas F., assignor to Hoyt Heater Company, Los Angeles, Calif. Adjustable control for gas-valve-operating means. 1,580,965; Apr. 13.

Cushwa, Charles B., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Article of manufacture and making the same. 1,580,417; Apr. 13.

Dagg, Herbert W., Cleveland, Ohio. Time switch. 1,580,119; Apr. 13.

Dahlberg, Henry W., Denver, Colo. Manufacturing yeast. 1,580,999; Apr. 13.

Dahlberg, Henry W., Denver, Colo. Manufacturing yeast. 1,581,000; Apr. 13.

Dahlberg, Henry W., assignor to The Great Western Sugar Company, Denver, Colo. Manufacturing alcohol by fermentation. 1,581,001; Apr. 13.

Daily, Eugene V., assignor to James B. Clow & Sons, Chicago, Ill. Radiator. 1,580,651; Apr. 13.

Dales, Benton and W. S. Cable, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making molded rubber articles, mold, and lubricant therefor. 1,580,966; Apr. 13.

Dales, Benton, and W. S. Cable, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making molded rubber articles, mold, and lubricant therefor. 1,580,967; Apr. 13.

Dalmer, Otto. (See Elchholz, W., and Dalmer.)

Daly, Mrs. Harry S. (See Mahoney, James R., assignor.)

Daniel, Allan P., assignor to The Bauer Brothers Company, Springfield, Ohio. Mounting for electric motors. 1,580,587; Apr. 13.

Daniels, E. G. (See Wilson, William G., assignor.)

Danks, Roy L., and M. L. Baker, assignors to The Regal Silver Mfg. Co., New Haven, Conn. Spoon or similar article. Des. 69,869; Apr. 13.

Dannenberg, Simon J. (See Lanhoffer, Iwan E. and O. E., assignors.)

Dau, Frank. (See Snyder, Harry L., assignor.)

Davenport, Abraham D., et al. (See Smith, Luther, assignor.)

Davidson, John, Tutbury, England. Internal-combustion engine. 1,581,002; Apr. 13.

Davies, Henry R., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Power-transmission gearing. 1,580,190; Apr. 13.

Davis, John E., Brooklyn, N. Y. Sound-amplifying means. 1,580,418; Apr. 13.

Davis, Louis, East Nashville, Tenn. Fountain shaving brush. 1,580,290; Apr. 13.

Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Endless-track vehicle. 1,580,120; Apr. 13.

Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, London, England. Gun carriage. 1,580,652; Apr. 13.

Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, London, England. Endless-track vehicle. 1,580,653; Apr. 13.

Dawson, James W., Chicago, Ill. Clothesline prop. 1,580,654; Apr. 13.

Dawson, William J., Colibran, Colo. Portable drilling machine. 1,580,655; Apr. 13.

De Alcocer, Eugenio N. and F. O., Mexico, Mexico. Twisting device. 1,581,003; Apr. 13.

De Alcocer, Francisco, O. (See De Alcocer, Eugenio N. and F. O.)

De Barrios, Luisa, Brooklyn, N. Y. Automobile safety fender. 1,581,041; Apr. 13.

De Bus, Louis K., Cincinnati, Ohio. Measuring device. 1,580,813; Apr. 13.

De Cew, Judson A., Mount Vernon, assignor to Process Engineers Inc., New York, N. Y. Hydrating cellulose fibers. 1,580,814; Apr. 13.

De Coninck, Marcel, Cannes, France. Process and apparatus relating to the combustion of solid fuel. 1,580,656; Apr. 13.

De France, Murrell R., Bellevue, Pa., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y. Brake shoe. 1,580,657; Apr. 13.

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

Delco-Light Company. (See Keilholtz, Lester S., assignor.)

Delco-Light Company. (See Lee, Ralph L., assignor.)

Delude, Misael, North Brookfield, Mass. Stamp-vending machine. 1,580,588; Apr. 13.

De Márquez, Daniel E., Medellin, Colombia. Drafting instrument. 1,580,419; Apr. 13.

Dempsey Cycle Company. (See Dempsey, William L., assignor.)

Dempsey, William L., assignor to Dempsey Cycle Company Incorporated, Philadelphia, Pa. Internal-combustion engine. 1,580,420; Apr. 13.

Demuth, Alfred M., Chicago, Ill. Condenser. 1,580,234; Apr. 13.

Denver Rock Drill Manufacturing Company, The. See Gustafson, Hjalmer C., assignor.)

De Ville, Walter, assignor to The C. C. Thompson Pottery Company, East Liverpool, Ohio. Plate or similar article. Des. 69,870; Apr. 13.

Diamond Match Company, The. (See Traute, Henry C., assignor.)

Di Brazzà, Asconio, Rome, Italy. Firearm with screwed barrel detachable by hand or permanently fixed. 1,580,968; Apr. 13.

Dieterich, Albert E., Washington, D. C. Extracting cones from male and female molds. 1,580,589; Apr. 13.

Dina, Augusto, Jersey City, N. J., assignor to Precision Machine Company, New York, N. Y. Safety operating attachment for motion-picture machines. 1,580,969; Apr. 13.

Di Prima, Vincent, Detroit, Mich. Piston-ring former. 1,580,235; Apr. 13.

Dixon, Carson E., and J. H. Boone, Henrietta, N. C. Split pick-cam hub. 1,580,780; Apr. 13.

Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Holder for globes and the like. 1,580,711; Apr. 13.

Dodge, Merton L., assignor to Seattle Astoria Iron Works, Seattle, Wash. Automatic stop for can-making machines. 1,580,421; Apr. 13.

Doehler Die-Casting Co. (See Harris, Winfred W., assignor.)

D'Ollier, Henry, jr., Bridgeport, Conn. Shade for lighting fixtures. Des. 69,871; Apr. 13.

D'Ollier, Henry, jr., Bridgeport, Conn. Shade for lighting fixtures. Des. 69,872; Apr. 13.

Dollinger, Lewis L., Rochester, N. Y. Filter. 1,580,291; Apr. 13.

Dolter, Henri, Limoges, France. Apparatus for the manufacture of earth metals. 1,580,409; Apr. 13.

Dondanville, Gladys. (See Dondanville, Raymond D. and G., and Hornbeck.)

Dondanville, Raymond D. and G., and V. G. Hornbeck, assignors to Tru-Marcel Manufacturing Company, Kansas City, Mo. Combination round curler and edged true Marcel waving iron. 1,580,370; Apr. 13.

Dootson, Norman L., San Francisco, Calif. Automobile spring structure. 1,580,121; Apr. 13.

Dow, George B. N., and G. J. J. Clark, Manchester, N. H. Hook. 1,580,590; Apr. 13.

Draper Corporation. (See Ballou, Eugene H., assignor.)

Draper Corporation. (See Bell, James B., assignor.)

Dübelwerke G. m. b. H. (See Rüping, Max, assignor.)

Duby, John B., Canton, Mass. Gasoline filter and separator. 1,580,470; Apr. 13.

Duca, Joan A., Shawnee, assignor of one-half to H. J. Mackey, Oklahoma City, Okla. Flue cutter. 1,580,471; Apr. 13.

Duemler, Henry. (See Jasheway, E., and Duemler.)

Duemler, Samuel O., Phoenix, Ariz. Axle. 1,580,472; Apr. 13.

Dufour, Léon, Geneva, Switzerland. Combustion turbine. 1,580,878; Apr. 13.

Duggan, S. W., et al. (See Lawson, David C., assignor.)

Dunn, Herbert H., assignor of one-half to W. Vickers, Pasadena, Calif. Burglar alarm. 1,580,815; Apr. 13.

Dunn, Hugh T., New York, N. Y. Fire-extinguishing cartridge shell. 1,580,816; Apr. 13.

Du Pont, E. I., de Nemours Company. (See Fall, P. H., and Lee, assignors.)

Du Pont, E. I., de Nemours & Company. (See Flachslaender, J., and Burgess, assignors.)

Du Pont, E. I., de Nemours & Company. (See Thompson, Merville S., assignor.)

Dupuy, Pierre, Paris, France. Pneumatic suspension fed by compressed air. 1,580,817; Apr. 13.

Durland, Ralph A., Newburgh, N. Y. Combined radiator cap and thermometer. Des. 69,873; Apr. 13.

Dyer, John B., Ferguson, Mo. Separating dust from air. 1,580,473; Apr. 13.

Dyson, Robert G., Trooper, and H. S. Plummer, Fairview Village, assignors to Franklin Air Compressor Works, Norristown, Pa. Cooling construction for cylinders. 1,580,371; Apr. 13.

Earl, Schuyler H., assignor to Gleason Works, Rochester, N. Y. Lubricating mechanism for gear-cutting machines. 1,580,712; Apr. 13.

Easdale, George W., and F. W. Bedard, Ottawa, Ontario, Canada. Ski fitting. 1,580,292; Apr. 13.

Eastman Kodak Company. (See Carroll, Stewart J., assignor.)

Eastman Kodak Company. (See Reid, David E., assignor.)

Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)

Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)

Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)

Eckels, Parl O., Dallas, and R. D. Monroe, Royse City, assignors to Nu-Idea Manufacturing Company, Dallas, Tex. Circuit breaker for motor vehicles. 1,580,422; Apr. 13.

Eckenbrecht, Emil, Dayton, Ohio. Bait creel. 1,580,474; Apr. 13.

Eddy, Harold C., Los Angeles, Calif., assignor to Petroleum Rectifying Company of California. Dehydrating oil. 1,580,591; Apr. 13.

Edelman, Philip E., New York, N. Y. Variable condenser. 1,580,423; Apr. 13.

Elchholz, Wilhelm and O. Dalmer, Darmstadt, Germany. Injectable, homogeneous, oily preparation of bismuth and manufacture of the same. 1,580,592; Apr. 13.

Einwaechter, Frederick H., jr., and F. A. Cardegna, Baltimore, Md. Journal box. 1,581,042; Apr. 13.

Electric Auto-Lite Company, The. (See Davies, Henry R., assignor.)

Electric Railway Equipment Company. (See Johnston, Lynn, assignor.)

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Magnesium containing synthetic resin and making same. 1,580,424; Apr. 13.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Molding composition containing organo-magnesium compounds. 1,580,425; Apr. 13.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Elmore, Frank E. (See Smith, Stanley C., assignor.)

Enard, Hans, assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Loading and unloading apparatus. 1,580,556; Apr. 13.

Ensign, William B., assignor of one-half to L. Reynolds, New York, N. Y. Blade and shoe for rotary pumps. 1,580,713; Apr. 13.

Ericksson, Emil, assignor to W. A. Field Company, Chicago, Ill. Machine for correcting printing plates. 1,580,236; Apr. 13.

Erkens, Paul, Niederau, near Duren, Germany. Machine for the manufacture of papers similar to dipped watermark papers. 1,581,004; Apr. 13.

Espitallier, Andrew J., assignor to himself and E. L. Curren, Aurora, Ill. Rotary air pump. 1,580,237; Apr. 13.

Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,580,122; Apr. 13.

Evans, Richard A. (See Stanley, J. C., and Evans.)

Evans Stamping & Plating Company. (See McClarence, Matthew J., assignor.)

Evans, William A., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connecter. 1,580,879; Apr. 13.

Evence Coppee & Co. (See Hodeige, Ernest, assignor.)

Everedy Auto Jack Co. (See Putzke, William, assignor.)

Ey, Gustav, New York, N. Y. Mold. 1,581,043; Apr. 13.

Ey, Gustav, New York, N. Y. Corner-block mold. 1,581,044; Apr. 13.

Eynon, Thomas M., Philadelphia, Pa. Indicator for automobile gas supply. 1,580,593; Apr. 13.

Fall, Paul H., Carneys Point, N. J., and I. E. Lee, assignors to E. I. du Pont de Nemours Company, Wilmington, Del. Producing naphthol-sulphonic acids. 1,580,714; Apr. 13.

Falls, Charles B., New York, N. Y., assignor to Stehli Silks Corporation. Textile fabric. Des. 69,874; Apr. 13.

Farnan, Frank, Fort Wayne, Ind. Bowling shoe. 1,580,475; Apr. 13.

Farnam, Roy A., La Grande, Oreg. Press for leveling magnetic assemblies. 1,580,426; Apr. 13.

Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit for audions. 1,580,427; Apr. 13.

Fassio, Julius, San Francisco, Calif. Washing apparatus. 1,580,476; Apr. 13.

Fatscher, George C., assignor to The New Haven Sand Blast Company, New Haven, Conn. Sand blast apparatus. 1,581,045; Apr. 13.

Federal Metal Hose Corporation. (See Palmer, Charles, assignor.)

Feeny, William S., Philadelphia, Pa. Holder for awning and like head rods. 1,580,238; Apr. 13.

Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Means for reducing cross fire in telegraph circuits. 1,580,191; Apr. 13.

Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Duplex telegraph system. 1,580,192; Apr. 13.

Fenton, Frank, assignor to The Miller Rubber Company, Akron, Ohio. Producing embossed sheet rubber. 1,580,428; Apr. 13.

Fereday, Frederick T., Clinton Heights, N. Y., assignor, by mesne assignments, to General Railway Signal Company. Circuit controller. 1,580,715; Apr. 13.

Ferguson, Robert B., Los Angeles, Calif. Cotter pin. 1,580,239; Apr. 13.

Field, Crosby, New York, N. Y. Drying apparatus. 1,580,658; Apr. 13.

Field, Wm. A., Company. (See Erickson, Emil, assignor.)

Fields, Joseph A., New York, N. Y. Combined perfume bottle and holder. Des. 69,880; Apr. 13.

Finkelstein, David R. (See Clarkson, Guy S., assignor.)

Fiore, Frederick, Brooklyn, N. Y. Sanitary toothpick dispenser. 1,580,123; Apr. 13.

Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)

Fischer, H. G., & Co. (See Osborn, Howard H., assignor.)

Fishel, Henry W., New York, N. Y. Jewelry. 1,580,659; Apr. 13.

Fisher, Francis R., assignor to Racine Rubber Company, Racine, Wis. Tire tread. Des. 69,881; Apr. 13.

Fitch, Jason A., assignor to The General Fireproofing Company, Youngstown, Ohio. Foot for furniture legs. 1,580,781; Apr. 13.

Fithian, Bionville M., Baxter Springs, Kans. Journal-bearing-shifting mechanism. 1,580,124; Apr. 13.

Fitz-Empire Double Pivot Last Company. (See Slack, Walter W., assignor.)

Fitzer, Louis A., Los Angeles, Calif. Electrically-operated steam boiler. 1,580,293; Apr. 13.

Flachslaender, Joseph, and L. L. Burgess, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Brown copper containing aromatic amine-sulphur dyes and making the same. 1,580,716; Apr. 13.

Flagstad, Corneli, Minneapolis, Minn. Collapsible crate. 1,580,125; Apr. 13.

Flansburg, Peter, Manistee, Mich. Collapsible shipping crate or box. 1,581,046; Apr. 13.

Fletcher, Harold W., Houston, assignor of one-third to J. E. Schroeder, Harris County, Tex. Heat exchange. 1,580,126; Apr. 13.

Flexo Drive Corporation. (See Johnsen, William E., assignor.)

Flick, Lorenz, assignor to Sayles Finishing Plants Inc., Saylesville, R. I. Ornamented fabric and method of ornamenting it. 1,580,717; Apr. 13.

Flickinger, A. B., et al. (See Holdaway, Hall H., assignor.)

Flip Manufacturing Company. (See Swartz, Miksa, assignor.)

Flores, Guglielmo C. (See Cozzolino, G. U., and Flores.)

Folsom, Charles H., Augusta, Me. Measuring device. 1,581,047; Apr. 13.

Fooks, Nelson H., Preston, Md. Rotary transfer device in connection with endless conveyers. 1,580,193; Apr. 13.

Forsberg, Gustav A., and T. W. Granberg, Chicago, Ill. Tracking device for player pianos. 1,580,240; Apr. 13.

Forsyth, Lawrence J., and M. J. Joyce, Detroit, Mich., assignors to Rand Company, Inc., North Tonawanda, N. Y. Index system. 1,580,127; Apr. 13.

Fort Orange Paper Company. (See Metzger, Henry L., assignor.)

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reaction synchronous motor. 1,580,477; Apr. 13.

Fosnaugh, George S. (See Brett, James J., assignor.)

Foster, Walter A., Clarks Fork, Idaho. Bag holder. 1,581,048; Apr. 13.

Fostoria Glass Co. (See Magee, William H., assignor.)

Fowles, Alfred T., Dallas, Tex. Water heater. 1,580,718; Apr. 13.

Fox, George B. and J. G. Christian, Wolcott, N. Y. Attachment for automatically operating spraying guns of power-driven spraying pumps. 1,580,478; Apr. 13.

Fox, Herbert, Hamilton, Ontario, Canada. Grain shocker. 1,581,049; Apr. 13.

Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Edge-holding device for sheet-glass machines. 1,580,128; Apr. 13.

Franke, Arthur H., Manitowoc, Wis. Combination pocket comb and mirror case. 1,580,660; Apr. 13.
Frankenfield, Budd, Los Angeles, Calif. Diaphargm pump. 1,580,479; Apr. 13.
Franklin Air Compressor Works. (See Dyson, R. G., and Plummer, assignors.)
Frantsits, Paul, Wilmerding, Pa. Display hook. Des. 69,875; Apr. 13.
Frick, Chester A., Muncie, Ind. Bottle refrigerator. Des. 69,876; Apr. 13.
Frick, Frederick F. (See Laist, F., and Frick.)
Frick, John, Philadelphia, Pa., assignor, by mesne assignments, to Richmond Beverage Machine Corporation, Richmond, Va. Coin-controlled dispensing apparatus. 1,581,050; Apr. 13.
Fried, Harry, Washington, D. C. Match-vending machine. 1,580,594; Apr. 13.
Frisble, William J., assignor to Justrite Mfg. Company, Chicago, Ill. Waste-can structure. 1,580,880; Apr. 13.
Frost, Leo B., Marietta, Ohio. Stitch-cutting machine. 1,580,429; Apr. 13.
Funk, Lillian G. (See Funk, Louis E. and L. G.)
Funk, Louis E. and L. G., Oak Park, Ill. Bath and toilet installation. 1,580,661; Apr. 13.
Funk, Wilbur F. (See Otis, R. M., and Funk.)
Furry, Edward B. (See Loomis, L. J., and Furry.)
G. R. S. Products, Inc., The. (See Merkel, Joseph F., assignor.)
Gaar, James M., New York, N. Y. Radioloop. Des. 69,877; Apr. 13.
Gaglio, Giuseppe, San Jose, Calif. Safety device for automobiles. 1,580,818; Apr. 13.
Gaines, Walter L., Urbana Ill. Dynamometer. 1,580,430; Apr. 13.
Gallon Metallic Vault Company, The. (See Gay, J. C., Smith, and Quirk, assignors.)
Ganz, William, Ridgefield Park, N. J., assignor to Bauer Lock Company, Chicago, Ill. Steering-gear lock. 1,580,881; Apr. 13.
Gardner, Percy, East Orange, N. J. assignor to H. M. Bunker & Co., Inc., New York, N. Y., Bias-cutting machine. 1,581,051; Apr. 13.
Garman, Lauritz C., and W. M. Coleman, Baltimore, Md. Automobile headlight. 1,580,819; Apr. 13.
Gassman, Howard M., Birmingham, Ala. Automatic load-regulating means. 1,580,431; Apr. 13.
Gautier, Claude M., London, England. Tire-shaping machine. 1,580,480; Apr. 13.
Gavin, Arthur L. P., Scranton, Pa. Flush valve. 1,580,481; Apr. 13.
Gawley, Irene, Houston, Tex. Flue cleaner. 1,580,294; Apr. 13.
Gay, John C., R. E. Smith, and H. J. Quirk, assignors to The Gallon Metallic Vault Company, Gallon, Ohio. Vehicle body. 1,580,241; Apr. 13.
Gaynor, Arthur C. and E. G., Stratford, Conn.; said E. G. Gaynor assignor to said Arthur C. Gaynor. Electric bell. 1,580,595; Apr. 13.
Gaynor, Edwin G. (See Gaynor, Arthur C. and E. G.)
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Polishing runner. 1,580,129; Apr. 13.
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,580,130; Apr. 13.
General Electric Company. (See Abbott, Charles C., assignor.)
General Electric Company. (See Auchincloss, John, assignor.)
General Electric Company. (See Barton, Theophilus F., assignor.)
General Electric Company. (See Batchelder, Asa F., assignor.)
General Electric Company. (See Brown, Carl A., assignor.)
General Electric Company. (See Burnham, Joseph L., assignor.)
General Electric Company. (See Burnham, Locke H., assignor.)
General Electric Company. (See Griffith, Morgan J., assignor.)
General Electric Company. (See Prindle, Raymond B., assignor.)
General Electric Company. (See Weldon, John J., assignor.)
General Fireproofing Company, The. (See Fitch, Jason A., assignor.)
General Motors Corporation. (See Bull, Arthur A., assignor.)
General Motors Corporation. (See Chaffe, W. H., and Miller, assignors.)
General Motors Corporation. (See Schwarze, Herman, assignor.)
General Motors Corporation. (See Scaholm, Ernest W., assignor.)
General Motors Research Corporation. (See Hunt, John H., assignor.)
General Motors Research Corporation. (See Hutchinson, Roland V., assignor.)
General Motors Research Corporation. (See Lee, C. L., and Van Degrift, assignors.)
General Motors Research Corporation. (See Summers, Caleb E., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Fereday, Frederick T., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Paul, Joseph N., assignor.)
General Tire and Rubber Company, The. (See Remark, Isidore J., assignor.)
Gensicki, Frank J., Bridgeport, Pa. Mechanical toy. 1,580,820; Apr. 13.
Gent, Edgar W., Morriston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Interrupter. 1,580,882; Apr. 13.
George, John H. (See Lovequist, G. W., and George.)
Gervais, Joseph E., Manville, R. I. Brake. 1,581,052; Apr. 13.
Gessner, Edward A., Philadelphia, Pa. Hair curler and waver. 1,580,883; Apr. 13.
Gevaerts, Jean F., Sudbury, Ontario, Canada. Butcher's block scraper. 1,580,821; Apr. 13.
Ghiardi, Peter, Kittanning, Pa. Pump. 1,580,131; Apr. 13.
Gibney, James J., Minneapolis, Minn. Combined cigar lighter and advertising display stand. Des. 69,882; Apr. 13.
Gibson, John L., Brooklyn, N. Y. Piston-ring construction. 1,581,053; Apr. 13.
Gilbert, Albert P., Durham, N. C. Road marker or monument. 1,580,719; Apr. 13.
Gilman, Norman H., assignor to Allison Engineering Company, Indianapolis, Ind. Connecting-rod bearing. 1,581,083; Apr. 13.
Gilman, Norman H., assignor to Allison Engineering Company, Indianapolis, Ind. Spring coupling. 1,581,084; Apr. 13.
Gilson Manufacturing Company. (See Travers, Charles J., assignor.)
Giordano, Benjamin M., Brooklyn, N. Y. Electric fan. 1,581,054; Apr. 13.
Girin, Pierre, assignor to Societe Anonyme de Commentry Fourchambault & Decazeville, Paris, Seine, France. Alloy. 1,580,662; Apr. 13.
Girsdansky, Maximillian, New York, N. Y. Stereoscopic cinematographic apparatus. 1,580,242; Apr. 13.
Gludice, Calogero, assignor of one-half to V. Castagna, Brooklyn, N. Y. Automobile hood and curtain. 1,580,822; Apr. 13.
Glass, Clifton A., Kansas City, Mo. Oil tank. 1,580,194; Apr. 13.
Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,580,132; Apr. 13.
Gleason, Frederick H., New York, N. Y. Lubricating automobiles. 1,580,823; Apr. 13.
Gleason Works. (See Earl, Schuyler H., assignor.)
Glencoe Lime & Cement Company. (See Grnetzemacher, Henry F., jr., assignor.)
Glowacki, John B., Chicago, Ill. Adjustable resilient non-skid crutch. 1,580,295; Apr. 13.
Gnehm, Rudolph, Jersey City, N. J. Water-heating pot. 1,581,055; Apr. 13.
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Swaging tool. 1,580,884; Apr. 13.
Gold, John K., Shanghai, China. Two-cycle engine. 1,580,720; Apr. 13.
Golden, Milton, New York, N. Y. Watch. 1,580,885; Apr. 13.
Goodell, E. G., et al. (See White, Alfred H., assignor.)
Goodrich, B. F., Company, The. (See Dales, B., and Cable, assignors.)
Goodwin, Hall, Chicago, Ill. Steam engine. 1,581,056; Apr. 13.
Goodwin, Winslow, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Etched metal body. 1,580,721; Apr. 13.
Goss, Marshall J. (See Phillips, M., and Goss.)
Gothier, George, Los Angeles, Calif. Clothespin. 1,580,824; Apr. 13.
Goulding, Benjamin J. J., Altrincham, Chester, assignor to Linotype and Machinery Limited, London, England. Typographical line-casting machine. 1,580,296; Apr. 13.
Goulding, Benjamin J. J., and T. R. G. Parker, Altrincham, assignors to Linotype and Machinery Limited, London, England. Apparatus for cooling the molds of typographical casting machines. 1,580,133; Apr. 13.
Goulet, Jean, assignor to Societe Anonyme: Societe Francaise de Materiel Agricole & Industriel, Vierzon, France. Process and device for the production of producer gas used for propelling vehicles. 1,580,482; Apr. 13.
Government and the people of the United States, The. (See Johnson, Elmer.)
Grady, Stephen S., Newtonville, Mass., assignor, by mesne assignments, to Meteor Electric Corporation, New York, N. Y. Electric wall switch. 1,580,663; Apr. 13.
Graf, Charles J., et al. (See Richards, George C., assignor.)
Graif, Frank H., jr., Owatonna, Minn. Snap hook. 1,580,664; Apr. 13.
Granberg, Thor W. (See Forsberg, G. A., and Granberg.)
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Gray, James M., et al. (See Smith, Alva B., assignor.)

Great Western Sugar Company, The. (See Dahlberg, Henry W., assignor.)
Greathouse, Gilbert, Guyaux, Pa. Safety locking device for automobile doors. 1,580,722; Apr. 13.
Green, David, et al. (See Smith, Luther, assignor.)
Greenberg, Samuel, Syracuse, N. Y. Push broom. 1,580,134; Apr. 13.
Greene, Floyd A. (See Payne, W. B., and Greene.)
Greenwood, Charles H., assignor to Albert Pick & Company, Chicago, Ill. Teapot or similar article. Des. 69,878; Apr. 13.
Gregorius, Joseph S., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for maintaining the level in glass tanks. 1,580,135; Apr. 13.
Griffith, Morgan J., Jamaica, N. Y., assignor to General Electric Company. High-potential terminal separator. 1,580,825; Apr. 13.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Making sinuous-hard rubber articles. 1,580,432; Apr. 13.
Grill, Daniel, Roanoke, Va. Storage battery. 1,580,596; Apr. 13.
Grimm, Charles E., Columbus, Ohio. Ornamental lamp. 1,580,597; Apr. 13.
Grinnell Washing Machine Company. (See Lewis, George W., assignor.)
Gross, Angus R., Baltimore, Md. Switch. 1,580,782; Apr. 13.
Grosse, Herman G., Chicago, Ill. Ironing machine. 1,580,195; Apr. 13.
Grotta, Sidney S., Hartford, Conn. Soap-bubble pipe. 1,580,598; Apr. 13.
Gruendler, Gustav J., Clayton, Mo. Hinge. Des. 69,879; Apr. 13.
Gruetzmacher, Henry F., jr., Kimmswick, assignor to Glencoe Lime & Cement Company, St. Louis, Mo. Kiln. 1,580,483; Apr. 13.
Grunt, Reuben, Newark, N. J. Scaffold bracket. 1,580,243; Apr. 13.
Gubin, Richard, Vienna, Austria. Method and apparatus for manufacturing imitation metallic and coloring foil films. 1,580,196; Apr. 13.
Guissart, Albert, and E. H. Barbe, New York, N. Y.; said Guissart assignor to said Barbe. Electric toaster. 1,580,244; Apr. 13.
Gusmer, Aage, Newark, N. J. Producing a jelly base. 1,580,665; Apr. 13.
Gustafson, Hjalmer C., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Tool retainer. 1,580,599; Apr. 13.
Hadland, Carl A., Plainview, Minn. Guard for poultry feed vessels. 1,580,484; Apr. 13.
Haenssler, Cornelia L., Brooklyn, N. Y. Door safety device. 1,580,826; Apr. 13.
Hahn, Frank R., Decatur, Ill. Mold. 1,580,485; Apr. 13.
Hamburger, Robert, and S. Kaesz, Freudenthal, Czechoslovakia. Bleaching organic materials. 1,580,136; Apr. 13.
Hamlyn, John. (See Lidgett, W., and Hamlyn.)
Hammock, Robert E., Dunklin County, assignor of one-half to B. F. Highfill, Hornersville, Mo. Insect-exterminating apparatus. 1,580,297; Apr. 13.
Hammond, John H., jr., Gloucester, Mass. Transmitting and receiving system. 1,581,085; Apr. 13.
Hancock, Clarence W. (See Legg, D. A., and Hancock.)
Hancock, Clarence W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of normal butyric acid from butyl aldehyde. 1,580,137; Apr. 13.
Hannon, Catherine M., Staten Island, N. Y. Rubber bathing garter. Des. 69,883; Apr. 13.
Hansen, A. L., Mfg. Company. (See Hansen, Augie L., assignor.)
Hansen, Augie L., assignor to A. L. Hansen Mfg. Company, Chicago, Ill. Sliding-door latch. 1,580,666; Apr. 13.
Hanson, Andrew, San Francisco, Calif. Tuning peg for violins and the like. 1,580,667; Apr. 13.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Reclaiming oil from metal chips. 1,580,723; Apr. 13.
Hardy, Joseph E., Colorado Springs, Colo. Apparatus for delivering and applying water beneficially to burning fuel. 1,580,827; Apr. 13.
Hargrave, John M., Cincinnati, Ohio. Clamp. 1,580,197; Apr. 13.
Harmon, Kenneth B., Stockton, Calif. Attachment for securing grips to bicycle handlebars. 1,580,724; Apr. 13.
Harris, George H., Stockton, Calif. Header construction. 1,580,886; Apr. 13.
Harris, Henry, London, England. Treatment of impure molten metal and metallic masses. 1,580,138; Apr. 13.
Harris, Winfred W., Melrose, Mass., assignor to Doehler Die-Casting Co. Shuttle. 1,580,139; Apr. 13.
Harrison, Charles, Vancouver, British Columbia, Canada. Ditch-excavating bucket. 1,580,725; Apr. 13.
Harrison, Herbert C., Lockport, N. Y. Producing coated or other thin metallic sheets. 1,580,198; Apr. 13.
Harvey, Paul D., Chicago, Ill. Self-closing fluid valve. 1,580,828; Apr. 13.
Hass, Hans, Bergedorf, near Hamburg, Germany. Guilding arrangement for the propeller current of ships. 1,580,486; Apr. 13.
Hayashi, Eizo. (See Monobe, Nobutaro, assignor.)
Hayden, Edward E., Washington, D. C. Toy-pistol nail cleaner. 1,580,784; Apr. 13.
Hazeldine, Norton P. W., Los Angeles, Calif. Apparatus for distilling hydrocarbons. 1,580,372; Apr. 13.
Healthometer Co., The. (See Weber, Mathias J., assignor.)
Heimerdinger, Harry M., Blackfoot, Idaho. Baking process. 1,580,487; Apr. 13.
Heise, William H. (See Schurch, Jacob, assignor.)
Heisler, Charles L., Schenectady, N. Y. Bell. 1,580,726; Apr. 13.
Heller, Edward A., Detroit, Mich. Caster. 1,580,245; Apr. 13.
Heller, Harley H., Sound Beach, Conn. Atomizer. 1,580,246; Apr. 13.
Heller, L., & Son, Inc. (See Heller, Milton J., assignor.)
Heller, Milton J., assignor to L. Heller & Son, Inc., New York, N. Y. Jewel stone or an article of similar nature. Des. 69,884; Apr. 13.
Heller, Milton J., assignor to L. Heller & Son, Inc., New York, N. Y. Jewel stone or an article of similar nature. Des. 69,885; Apr. 13.
Henderson, Elton C., San Francisco, Calif. Support for motor cycles, bicycles, etc. Re16,321; Apr. 13.
Henderson, George, Boston, Mass. Nipple for earthenware containers. 1,580,727; Apr. 13.
Henderson, James B., Lee, England. Distant control of telescopes or cameras. 1,580,298; Apr. 13.
Henry, Ferdinand G., North Philadelphia, Pa., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y. Blade-packaging machine. 1,580,247; Apr. 13.
Henson, James H., Foster, Okla. Bag dispenser. 1,580,488; Apr. 13.
Herbert, Jease, et al. (See Smith, Luther, assignor.)
Hering, Carl, Philadelphia, Pa. Making fibrous material. 1,580,199; Apr. 13.
Herman, Joseph L., assignor to Midland Manufacturing Company, Peoria, Ill. Apparatus for coating and treating metallic materials. 1,580,887; Apr. 13.
Herman, Joseph L., assignor to Midland Manufacturing Company, Peoria, Ill. Apparatus for coating and treating metallic materials. 1,580,888; Apr. 13.
Herman, Joseph L., assignor to Midland Manufacturing Company, Peoria, Ill. Apparatus for coating and treating metallic materials. 1,580,889; Apr. 13.
Herman, Joseph L., assignor to Midland Manufacturing Company, Peoria, Ill. Apparatus for coating and treating metallic materials. 1,580,890; Apr. 13.
Herman, Joseph L., assignor to Mildand Manufacturing Company, Peoria, Ill. Apparatus for coating and treating metallic materials. 1,580,891; Apr. 13.
Hersot, Lucien, Limours, France. Brake-control device for front wheels. 1,580,785; Apr. 13.
Hessel, Wilhelm. (See Körber, F., and Hessel.)
Hetherington, Sidney W., Louisville, Ky., assignor to Anchor Stove & Range Co., New Albany, Ind. Cabinet heater. Des. 69,886; Apr. 13.
Hewitt, Albertis. (See Owen, J. W., and Hewitt.)
Heyl & Patterson, Inc. (See Enard, Hans, assignor.)
Heyman, Frederick C., Martinez, Calif. Double-packed stopcock. 1,580,248; Apr. 13.
Highfield, William E. (See Calverley, J. E., and Highfield.)
Highfill, Frank B. (See Hammock, Robert E., assignor.)
Hill, Clarence A., Fort Wayne, Ind. Hydrocarbon-gas generating and burning apparatus. 1,580,892; Apr. 13.
Hill, George S., Berwick, Pa. Hydraulic pinion puller. 1,581,057; Apr. 13.
Hixson, Charles T., Aztec, assignor of one-third to W. Utton, Aztec, and one-third to W. W. Campbell, Albuquerque, N. Mex. Headlight lens. 1,580,373; Apr. 13.
Hodelge, Ernest, Jemeppe-sur-Meuse, assignor to Evence Coppee & Co., Brussells, Belgium. Combined washing and sorting apparatus. 1,580,728; Apr. 13.
Hoese, Aletha A., Wynot, Nebr. Jar protector. 1,581,058; Apr. 13.
Hodges, J. A. (See McFarland, Ernest H., assignor.)
Hoffman, John E., Casper, Wyo. Rivet holder. 1,580,159; Apr. 13.
Holdaway, Hall H., Los Angeles, Calif., assignor to L. F. Pike and A. B. Flickinger, Reno, Nev. Briquetting wood particles and product thereof. 1,580,299; Apr. 13.
Holbrook, John H., Sulphur Springs, Tex. Lawn sweeper. 1,580,600; Apr. 13.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,580,433; Apr. 13.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Unloading mechanism for compressors. 1,580,434; Apr. 13.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Air compressor. 1,580,435; Apr. 13.
Hollmann, Charles. (See Brake, G. U., and Hollmann.)
Holst, Friedrich, Rostock, Germany. Game depending on skill. 1,580,783; Apr. 13.

Homan, John G., Steubenville, Ohio. Device for retaining hernial supporting pads in place. 1,580,729; Apr. 13.

Homan, William C., Meriden, Conn., assignor to Lindsay Light Company, Chicago, Ill. Globe support. 1,580,730; Apr. 13.

Hornbeck, Virginia G. (See Dondanville, Raymond D. and G., and Hornbeck.)

Horne, Louther S., Bronx, N. Y. Nail clutch. 1,580,731; Apr. 13.

Hornor, Dayton H., Dunsmuir, Calif. Internal-combustion engine. 1,580,249; Apr. 13.

Horstmann, Frederick W., Maplewood, N. J. Fur. Des. 69,887; Apr. 13.

Horstmann, Frederick W., Maplewood, N. J. Fur. Des. 69,888; Apr. 13.

Hotchkiss, William W. (See Resch, Joseph M., assignor.)

Hothershall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sheet-gauging device for slitting machines. 1,580,250; Apr. 13.

Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Brown-colored insecticide for use on tobacco plants. 1,580,200; Apr. 13.

Howe, James M., Cleveland Heights, assignor to The Murray Products Company, Cleveland, Ohio. Miniature automobile. 1,580,732; Apr. 13.

Howe, William L., jr., Overland, Mo. Steering-post brace. Des. 69,889; Apr. 13.

Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,580,970; Apr. 13.

Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. System for automatically governing railway traffic. 1,580,971; Apr. 13.

Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Yarn furnishing and controlling mechanism for knitting machines. 1,581,093; Apr. 13.

Howorth, James E., Venice, Calif. Combined cooler and filter. 1,580,300; Apr. 13.

Hoyt Heater Company. (See Curry, Thomas F., assignor.)

Hubbard, Robert L., Los ngeles, Calif. Shoe-making machine. 1,580,893; Apr. 13.

Hudson Manufacturing Company. (See Rasmussen, Robert F., assignor.)

Hueber, Henry, Seattle, Wash., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Power-operated windshield-cleaner. Re16,322; Apr. 13.

Hug, Walter, Medford, Wis. Can-cover lock. 1,581,060; Apr. 13.

Huglil, Abraham, Seaforth, Ontario, Canada. Toy windmill. 1,580,601; Apr. 13.

Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Tube-winding machine. 1,580,374; Apr. 13.

Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Tube-winding apparatus. 1,580,375; Apr. 13.

Hummel, Howard H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Press construction. 1,580,894; Apr. 13.

Hunt, John H., assignor to General Mtoors Research Corporation, Dayton, Ohio. Fuel-supply system. 1,580,489; Apr. 13.

Hunt, Michael J., et al. (See McClelland, John, assignor.)

Hutchinson, Roland V., assignor to General Motors Research Corporation, Dayton, Ohio. Brake-operating means. 1,580,201; Apr. 13.

Hyatt, Frank S., Brooklyn, N. Y. Closure for cans. 1,580,602; Apr. 13.

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Safety device for electric motors. 1,580,251; Apr. 13.

Ierise, Antonio, Chester, W. Va. Combination pot for coffee, tea, and milk. 1,580,895; Apr. 13.

Iler, Franklin M., Cleveland, Ohio. Crucible furnace. 1,580,733; Apr. 13.

Illinois Graphite Company. (See Copthorne, Howard N., assignor.)

Illinois Watch Case Company. (See Bates, George T., assignor.)

Incandescent Supply Company. (See Ohm, Albert J. D., assignor.)

Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)

Industrial Research Corporation. (See Koegle, John G., assignor.)

Ingersoll, Howard L., White Plains, N. Y. Controlling apparatus for booster motors. 1,580,734; Apr. 13.

International Harvester Company. (See Smith, Ernest C., assignor.)

Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)

Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Picture analysis. 1,580,896; Apr. 13.

Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Photo-engraving. 1,580,897; Apr. 13.

Izenstark, Charles, Chicago, Ill. Crystal detector. 1,580,898; Apr. 13.

Jabs, Asmus, assignor to the Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Shaft packing. 1,580,603; Apr. 13.

Jackson & Church Company. See Church, E. D., and Lash, assignors.)

Jackson & Church Company. (See Church, Edgar D., assignor.)

Jacobsen, Emil, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,580,252; Apr. 13.

Jacobsen, Emil, New York, N. Y., assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,580,490; Apr. 13.

Jaffrennou, Guillaume M., Paris, France. Percussive tool. 1,580,202; Apr. 13.

James, Albert E., Natchez, Miss. Oil-burning stove. 1,580,253. Apr. 13.

James, Benjamin F., Rockland, Ontario, Canada. Cylinder-grinder attachment for lathes. 1,580,604; Apr. 13.

James, Sidney V., assignor to Wm. A. Rogers, Ltd., Niagara Falls, N. Y. Spoon or similar article. Des. 69,896; Apr. 13.

Jardine, Frank, and F. Jehle, assignors, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio. Piston. 1,580,491; Apr. 13.

Jarosz, Jun, Lowell, Mass. Bread-slicing machine. 1,580,376; Apr. 13.

Jasheway, Everett, and H. Duemler, Valls Mill, N. Y. Pneumatic bumper. 1,580,203; Apr. 13.

Jehle, Ferdinand. (See Jardine, F., and Jehle.)

Jellison, Bayard T. (See Taylor, Ernest M., assignor.)

Jenckes, Thomas A., jr. (See Veillette, Alfred, assignor.)

Johantgen, Oliver D., Lake Bluff, Ill., assignor to Victor Adding Machine Co. Nonadd and total key mechanism for listing machines. 1,580,492; Apr. 13.

Johnson, Carl W., East Cleveland, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 1,580,735; Apr. 13.

Johnson, Elmer, Washington, D. C., dedicated to the Government and the people of the United States. Airplane powder-dusting apparatus. 1,580,301; Apr. 13.

Johnson, John B., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for modifying the wave form of alternating current. 1,580,899; Apr. 13.

Johnson, Oscar H., Chicago, Ill. Automatic water supply for wet batteries. 1,580,493; Apr. 13.

Johnson, Solomon, near Chatsworth, Iowa. Ground anchor. 1,580,605; Apr. 13.

Johnson, Stephens and Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)

Johnson, William E., Clifton, N. J., assignor, by mesne assignments, to Flexo Drive Corporation, Chicago, Ill. Flexible automatic transmission. 1,580,900; Apr. 13.

Johnston, George F., Tulsa, Okla. Golf-club carrier. 1,580,061; Apr. 13.

Johnston, Lynn, assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Hanger mounting. 1,580,302; Apr. 13.

Jones, Alexander H., Kansas City, Kans. Cushion. 1,580,606; Apr. 13.

Jones, Francis T., Cresco, Iowa. Traction device. 1,580,607; Apr. 13.

Jones, Horace, Port Arthur, Tex. Swing. 1,581,062; Apr. 13.

Jones, John U., Dallas, Tex. Engine. 1,580,608; Apr. 13.

Jones, Thomas W., Excelsior Springs, Mo. Marker. 1,580,303; Apr. 13.

Jones, Warren C., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,580,901; Apr. 13.

Jones, William L., Los Angeles, Calif. Flushing valve. 1,580,494; Apr. 13.

Joy, Henry W., Crugers on Hudson, N. Y. Attachment for motion-picture projecting apparatus. 1,580,204; Apr. 13.

Joyce, Michael J. (See Forsyth, L. J., and Joyce.)

Justrite Mfg. Company. (See Frisbie, William J., assignor.)

Kaczorowski, Bernard, Yonkers, N. Y. Aeroplane-landing device. 1,580,902; Apr. 13.

Kaesz, Stefan. (See Hamburger, R., and Kaesz.)

Kania, Rudolph, Vindex, Md. Agricultural implement. 1,580,609; Apr. 13.

Karitzky, John. (See Pleister, H. W., and Karitzky.)

Karns, John P., Chicago, Ill., assignor, by mesne assignments, to Lawrence Well Drill Company. Bit die. 1,580,255; Apr. 13.

Karns, Lawrence D., Salt Lake City, Utah, assignor, by mesne assignments, to Lawrence Well Drill Company. Drill. 1,580,254; Apr. 13.

Kashubeck, Archwood J. (See Metzger, W. J., and Kashubeck.)

Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 69,890; Apr. 13.

Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 69,891; Apr. 13.

Keeler, Henry C., Retsil, Wash. Book carrier. 1,580,256; Apr. 13.

Keese, Vessie M., Marshalltown, Iowa. Wire book holder. 1,581,063; Apr. 13.

Keever, Harry F., New York, N. Y. Embossing hat linings of fabric. 1,580,377; Apr. 13.

Kellholtz, Lester S., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,580,495; Apr. 13.

Keith, Alexander E., Hinsdale, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone-exchange system. Re16,316; Apr. 13.

Keithman, John F., Chicago, Ill., assignor of one-fourth to W. F. Manahan, Yorkton, Canada. Adjusting table. 1,580,972; Apr. 13.

Kelleher, Thomas J., Chicago, Ill. Eye and face shield for emery and grinding wheel operators. 1,580,903; Apr. 13.

Keller, August, Berlin-Lichterfelde, Germany. Pulverizer mill. 1,580,610; Apr. 13.

Kelly, Edward P., Mittineague, Mass. Hose coupling. 1,581,064; Apr. 13.

Kelly, Geo. J., Inc. (See Christiansen, Hans, assignor.)

Kelly, Robert L., Pierre, S. Dak. Film-negative holder. 1,580,496; Apr. 13.

Kemnal, James, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler furnace. 1,580,205; Apr. 13.

Kern, De Witt T., Kerr Robert, Saskatchewan, Canada. Confining and housing device. 1,580,206; Apr. 13.

Kerr, Harry E., assignor to The Cleveland Gas Burner & Applince Company, Cleveland, Ohio. Gas-burner unit for heaters. 1,580,904; Apr. 13.

Kerr, Thomas M., Worthington, Pa. Automobile signal. 1,580,736; Apr. 13.

Kettelson, Harry C., assignor to Products Mfg. & Sales Co., Milwaukee, Wis. Spout for containers. 1,580,737; Apr. 13.

Kibbe, Preston F., Yonkers, N. Y., assignor, by mesne assignments, to Automatic Machine Development Corporation. Support for vending machines. 1,580,207; Apr. 13.

Kimball, Frank I., assignor to Sargent & Company, New Haven, Conn. Ball-bearing door hinge. 1,580,257; Apr. 13.

Kimmel, Charles P., Gary, Ind. Rail-fastening device. 1,580,259; Apr. 13.

Kimmel, Charles P., Gary, Ind. Rail-holding clamp. 1,580,258; Apr. 13.

King, Carl B., Shoemaker, N. Mex. Engine. 1,581,065; Apr. 13.

King, Thomas, Sandpoint, Idaho. Headlight. 1,581,066; Apr. 13.

Kirkpatrick, Ernest C., Seattle, Wash. Window lock. 1,580,611; Apr. 13.

Klein, Louis, New York, N. Y. Spring arch support. 1,580,497; Apr. 13.

Kleindienst, Percy P., Brooklyn, assignor of one-half to R. S. Norris, New York, N. Y. Stocking. 1,581,067; Apr. 13.

Kleinhans, Paul, Landsberg-on-the-Warthe, Germany. Rotary pump and motor. 1,580,304; Apr. 13.

Klepper, Franklin J., Earling, Iowa. Garter. 1,580,436; Apr. 13.

Kline, August G., Royal Oak Township, Oakland County, Mich. Endless flexible track for automobile wheels. 1,580,260; Apr. 13.

Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Telephone-transmitter cover plate. Des. 69,893; Apr. 13.

Knopf, Oscar C., Flint, Mich. Game apparatus. 1,581,068; Apr. 13.

Knopf, Oscar C., Flint, Mich. Game apparatus. 1,581,069; Apr. 13.

Knox, Luther L., Bellevue, and W. H. Lewis, Pittsburgh, Pa. Portioning machine. 1,580,498; Apr. 13.

Koegle, John G., assignor to Industrial Research Corporation, Toledo, Ohio. Game. 1,580,305; Apr. 13.

Kogstrom, Axel W., Upper Darby, assignor of one-half to A. F. H. Scott, Philadelphia, Pa. Air strainer. 1,580,905; Apr. 13.

Kopp, Nicholas, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Globe for illuminating fixtures. Des. 69,894; Apr. 13.

Koppers Company, The. (See Sperr, Frederick W., jr., assignor.)

Körber, Friedrich, Dusseldorf, and W. Hessel, Essen-Ruhr, Germany. Production of artificial stone, stoneware, and the like from boiler slag, dust slag, or ashes. 1,580,906; Apr. 13.

Koupal, Walter G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,580,140; Apr. 13.

Kovarik, Josef, Corvallis, Oreg. Rail joint. 1,580,738; Apr. 13.

Kranz, Isidore, New York, N. Y. Electric-lighting fixture. Des. 69,892; Apr. 13.

Kranz, Isidore, New York, N. Y. Lighting fixture. Des. 69,895; Apr. 13.

Krause, Samuel, St. Louis, Mo. Window lock. 1,580,141; Apr. 13.

Krause, William P., Chicago, Ill., assignor to The Aeolian Company. Phonograph and radioadaptor. 1,581,086; Apr. 13.

Krelsworth, Paul, et al. (See Mackler, Hyman, assignor.)

Krieger, I. G., et al. (See Brooks, Leon D., assignor.)

Krone, Charles, Davenport, Iowa. Compression tester for combustion engines. 1,580,786; Apr. 13.

Kruttschnitt, John, San Francisco, Calif. Valve-control mechanism. 1,580,499; Apr. 13.

Küchenmeister, Heinrich. (See Pirchan, Emil, assignor.)

Kusserow, Reinhold, Oakland, Calif. Making compressed yeast. 1,580,599; Apr. 13.

Lubombarde, Harold S., Nashua, N. H. Stacker. 1,580,612; Apr. 13.

La Cross, William T., and F. W. Barber, Springfield, Vt. Lawn trimmer. 1,580,306; Apr. 13.

Ladd, Story B., Washington, D. C. Liquid-air candle. 1,580,613; Apr. 13.

Ladwig, Amos F., and C. A. Larson, Waterloo, Iowa. Antirattling fastening device. 1,580,907; Apr. 13.

Lnist, Frederick, and F. F. Frick, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Electrolytic precipitation of copper. 1,580,614; Apr. 13.

Lambert, Victor, Brooklyn, assignor to A. M. Sloss, New York, N. Y. Liquid-measuring device. 1,580,501; Apr. 13.

Lamoreaux, Leal and R. J. Boomer, St. Paul, Minn. Road plane. 1,580,142; Apr. 13.

Landahl, Eugene E., Crafton, Pa. Troughing conveyer. 1,580,615; Apr. 13.

Landis Tool Company. (See Steiner, Ulrich, assignor.)

Laughofer, Dan L., Lebo, Kans. Corn-topping machine. 1,580,616; Apr. 13.

Lanhoffer, Iwan E. and O. E., Paris, France, assignors to S. J. Dannenberg, New York, N. Y. Producing homogeneous, moldable powders from fibrous cements. 1,580,787; Apr. 13.

Lanhoffer, Oscar E. (See Lanhoffer, Iwan E. and O. E.)

Lanman, George W., Texas City, Tex. Scale beam. 1,581,070; Apr. 13.

Larsen, Laurits T., Lumby Mark, Denmark. Mechanism for automatic turning of irrigating pipes. 1,580,502; Apr. 13.

Larson, Carl A. (See Ladwig, A. F., and Larson.)

Lash, Frank S. (See Church, E. D., and Lash.)

Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Corporation, New York, N. Y. Ribbon-feed mechanism. 1,580,307; Apr. 13.

Laughlin, Elmyr A., Oregon, assignor, by mesne assignments, of one-half to J. R. H. Potts, Chicago, Ill. Car mounting. 1,580,908; Apr. 13.

Lautenschlager, William F., Cincinnati, Ohio. Water heater. 1,580,208; Apr. 13.

Lauter, Philip, New York, N. Y., assignor to Polymet Manufacturing Corporation. Electrical connecting plug. 1,580,503; Apr. 13.

Lava, Mario, Milan, Italy. Variable radiator. 1,580,504; Apr. 13.

Lavole, Joseph, assignor to Lavoy Manufacturing Company, Detroit, Mich. Combination electric heater, cooker, and ironer. 1,580,909; Apr. 15.

Lavoy Manufacturing Company. (See Lavole, Joseph, assignor.)

Lawrence Well Drill Company. (See Karns, John P., assignor.)

Lawrence Well Drill Company. (See Karns, Lawrence D., assignor.)

Lawson, David C., assignor of one-half to L. D. Tyson, one-eighth to S. W. Duggan, and one-eighth to M. A. Story, Knoxville, Tenn. Drive for roving frames. 1,580,308; Apr. 13.

Layman, Hebron B., and H. S. Thurner, New York, N. Y., assignors to C & C Sales Corporation. Chain and making the same. 1,580,910; Apr. 13.

Leary, Richard J., Burlington, N. J. Molding machine. 1,580,437; Apr. 13.

Lebecque, Maurice N., Tonopah, Nev. Attachment for internal-combustion engines. 1,580,739; Apr. 13.

Lee, Charles L., and T. C. Van Degrift, assignors to General Motors Research Corporation, Dayton, Ohio. Metal-folding machine. 1,580,505; Apr. 13.

Lee, Ira E. (See Fail, P. H., and Lee.)

Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,580,506; Apr. 13.

Lees Bradner Company, The. (See Schurr, Charles H., assignor.)

Legg, David A., and C. Bogin, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of esters. 1,580,143; Apr. 13.

Legg, David A., and C. W. Hancock, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyzing apparatus. 1,580,740; Apr. 13.

Legg, David A., and C. W. Hancock, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of butyric acid. 1,580,144; Apr. 13.

Leich Electric Co. (See Leich, Oscar M., assignor.)

Leich, Oscar M., assignor to Leich Electric Co., Genoa, Ill. Receiver. 1,580,911; Apr. 13.

Lengel, Albert L., Bakersfield, Calif. Automatic inking device for printing presses. 1,580,829; Apr. 13.

Lengel, Albert L., Bakersfield, Calif. Fly sheet for newspapers. 1,580,830; Apr. 13.

Leonard, Homer M., assignor to Williams Bros. Aircraft Corporation, San Francisco, Calif. Traffic signal. Des. 69,897; Apr. 13.

Lepley, Daniel F., Connellsville, Pa. Hoist mechanism. 1,580,309; Apr. 13.

Lepley, Daniel F., Connellsville, Pa. Removable elevator cage. 1,580,310; Apr. 13.

Lesser, Albert. (See Selbst, Abraham, assignor.)

Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rivet-set retainer. 1,580,617; Apr. 13.

Lewis, George W., assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Wringer. 1,580,378; Apr. 13.
Lewis, John M. B., Lynchburg, Va. Headlight. 1,580,311; Apr. 13.
Lewis, Wilbur S., assignor to The White Company, Cleveland, Ohio. Toy motor vehicle. 1,580,831; Apr. 13.
Lewis, William H. (See Knox, L. L., and Lewis.)
Leyner, Albert M., Lafayette, Colo. Harrow. 1,580,145; Apr. 13.
Liberty National Bank, trustee. (See Schremp, Edward J., assignor.)
Liberty Yeast Corporation. (See Wroten, John F., assignor.)
Lidgett, Walter, and J. Hamlyn, Sacramento, Calif. Attachment for hospital beds. 1,580,507; Apr. 13.
Liguori, Michael, Whitehall, N. Y. Lady's hair comb. 1,580,832; Apr. 13.
Liles, Napoleon B., Black Mountain, N. C. Adjustable one-passenger seesaw. 1,580,508; Apr. 13.
Lilly, Thomas J., Montreal, Quebec, Canada. Bottle safety holder. 1,580,741; Apr. 13.
Lindsay, Hyde & Company. (See Lindsay, John, assignor.)
Lindsay, John, assignor to Lindsay, Hyde & Company, Philadelphia, Pa. Builder motion for winding machine. 1,580,742; Apr. 13.
Lindsay Light Company. (See Homan, William C., assignor.)
Lingard, James B., Kansas City, Mo. Ash tray and cigar holder. 1,580,788; Apr. 13.
Linotype and Machinery Limited. (See Goulding, B. J. J., und Parker, assignors.)
Linotype and Machinery Limited. (See Goulding, Benjamin J. J., assignor.)
Lipari, Gaetano, San Jose, Calif. Whirligig. 1,580,833; Apr. 13.
Litchfield Shuttle Company. (See Cheney, George M., assignor.)
Little, Donald G., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Combination of inductances for wireless. 1,580,509; Apr. 13.
Little, Donald G., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube grid biasing means. 1,580,510; Apr. 13.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,580,511; Apr. 13.
Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Angturbin, Lidingo-Brevik, Sweden. Air-cooled condenser for locomotives or similar vehicles. 1,580,512; Apr. 13.
Locken, John, Comstock, Minn. Regrinding and reboring machine. 1,580,379; Apr. 13.
Loeffler, William, Sheboygan, Wis. Mortising machine. 1,580,743; Apr. 13.
Logwood, Charles V., New York, N. Y. Electrical signaling system. 1,580,261; Apr. 13.
Long, Henry C., Ottawa, Kans. Beehive. 1,580,513; Apr. 23.
Long, James F., San Antonio, Tex. Combined plug valve and hose connection. 1,580,312; Apr. 13.
Loomis, Lee J., and E. B. Furry, assignors to The Union Forging Company, Union, N. Y. Spring plate. 1,580,912; Apr. 13.
Loree, James T. (See McGrew, J. A., and Loree.)
Lovequist, George W., and J. H. George, Bradford, Pa. Nozzle for force feed lubricators. 1,580,618; Apr. 13.
Luginbuhl, Hans. (See Philippe, L. L., and Luginbuhl.)
Lukawski, Walter S., and M. A. Zielinski, Chicago, Ill. Music-leaf turner. 1,580,985; Apr. 13.
Lumsden, George H. C., Hove, England. Closure for water bottles and the like. 1,581,072; Apr. 13.
Lunkenheimer Company, The. (See Aull, Jerome J., assignor.)
Lowe, Harry W., deceased, Indianapolis, Ind.; M. W. Lowe, administrator, Buffalo, N. Y. Tomato washing, scalding, and peeling machine. 1,581,071; Apr. 13.
Lowe, Mark W., administrator. (See Lowe, Harry W.)
Lyon, William C., and A. McCullen, Durham, N. C. Display rack. 1,580,744; Apr. 13.

MacAllister, Alexander, Brownsburg, Quebec, Canada. Knife or instrument for killing poultry. 1,580,790; Apr. 13.
Macdonald, Harry P., Montclair, assignor, by mesne assignments, to Spicer Manufacturing Corporation, South Plainfield, N. J. Flexible joint. 1,580,747; Apr. 13.
Macdonald, Rob Roy, New York, N. Y. Compressed-air clarifier. 1,580,380; Apr. 13.
Macfarland, Thomas M., Englewood, N. J. Paste-dispensing device. 1,581,074; Apr. 13.
Machlet, Adolph W., Elizabeth, N. J. Barre-preventing means for looms. 1,580,148; Apr. 13.
Mackey, Henry J. (See Duca, John A., assignor.)
Mackler, Hyman, assignor to J. Spooner and P. Kreisworth, New York, N. Y. Fur-working tool. 1,580,841; Apr. 13.
MacLean, Belva S. (See MacLean, Frederick F., assignor.)
MacLean, Frederick F., assignor to B. S. MacLean, Syracuse, N. Y. Reflector for headlights. 1,580,314; Apr. 13.
Mader, Joseph, Philadelphia, Pa., assignor to S. L. Allen & Co. Inc. Cultivating implement. 1,580,263; Apr. 13.
Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Bowl. Des. 69,898; Apr. 13.
Mahieu, George J., Rio de Janeiro, Brazil. Variable condenser. 1,580,621; Apr. 13.
Mahony, Edward J. (See Ruttle, George N., assignor.)
Mahoney, James R., assignor to Mrs. H. S. Daly, Pittsburgh, Pa. Teacup or similar article of manufacture. Des. 69,899; Apr. 13.
Mamerow, George H., assignor to Crowe Name Plate & Manufacturing Company, Chicago, Ill. Etched metal body and producing same. 1,580,748; Apr. 13.
Manahan, William F. (See Kelthman, John F., assignor).
Manley, Lenn A. (See Stolle, P., and Manley.)
Manrodt, Manfred, New York, N. Y. Duplicating or copying apparatus. 1,580,264; Apr. 13.
Mapson, Robert L. (See Nelson, A. N., and Mapson.)
Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,580,516; Apr. 13.
Marbury, Ralph E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Loud-speaking telephone. 1,580,517; Apr. 13.
Marchand, Alexander R., Baton Rouge, La. Figure toy. 1,580,749; Apr. 13.
Marshall, Clifford W. (See Sears, B. G., and Marshall.)
Martin, Cecil E., Wabash, Ind. Riveting machine. 1,580,213; Apr. 13.
Martin, Edgar W., et al. (See Pendleton, Pyam L., assignor.)
Martin, Laurence C., et al., trustees. (See Pendleton, Pyam L., assignor.)
Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Two-wire automatic telephone system. Re16,317; Apr. 13.
Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,580,560; Apr. 13.
Martine, Joseph, Brooklyn, assignor to The United States Bung Manufacturing Company, Brooklyn, N. Y. Core for concrete building structures. 1,580,518; Apr. 13.
Martus, Martin L., Woodbury, and J. G. Ross and E. H. Becker, Waterbury, Conn. Battery-element suspension means. 1,580,750; Apr. 13.
Marvin, Gladys C., executrix. (See Marvin, Joseph B., jr.)
Marvin, Joseph B., jr., deceased, Saranac Lake, N. Y.; G. C. Marvin, executrix. Making dyes. 1,580,265; Apr. 13.
Marx, Louis, Brooklyn, N. Y. Figure toy. Des. 69,900; Apr. 13.
Massey, Edward M., Wynnewood, Pa. Match packet and igniter. 1,580,622; Apr. 13.
Master Package Corporation of Delaware, The. (See Hulbert, Edwin F., assignor.)
Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Safety device for sawing machines and the like. 1,580,842; Apr. 13.
Mattison Machine Works. (See Mattison, Carl L., assignor.)
McAndrews, John J., San Diego, Calif. Tube cleaner. 1,581,005; Apr. 13.
McArdle, Michael W., Chicago, Ill. Strop for safety-razor blades and the like. 1,580,514; Apr. 13.
McBride, Jesse E., assignor to Palmer-Bee Company, Detroit, Mich. Apparatus for charging and removing tires from vulcanizing molds. 1,580,745; Apr. 13.
McCallum, Charles W., Detroit, Mich. Spotlight for motor vehicles. 1,580,515; Apr. 13.
McCarty, Eugene J., Clinton, Mass. Automobile jack. 1,580,209; Apr. 13.
McCausland, John W., and L. F. Stafford, Chicago, Ill. Bumper. 1,580,146; Apr. 13.
McClarence, Matthew J., assignor, by mesne assignments, to Evans Stamping & Plating Company, Taunton, Mass. Fastening device. 1,581,006; Apr. 13.
McClean, John W., Spokane, Wash. Berry box. 1,580,147; Apr. 13.
McClelland, John, assignor of one-half to M. J. Hunt, and one-half to I. C. Vaiden, Philadelphia, Pa. Carburetor. 1,580,834; Apr. 13.
McConkey, Montgomery W. (See Sharlock, H. L., and McConkey.)
McConney, Robert B., Denver, Colo. Double-acting shock-absorbing brake for automobiles. 1,580,789; Apr. 13.
McCormick, Andrew, Nashville, Ark. Water preheater for boilers. 1,580,835; Apr. 13.
McCullen, Alpheus. (See Lyon, W. C., and McCullen.)
McCulloch, James E., Washington, D. C. Pillow. 1,580,210; Apr. 13.
McFarland, Ernest H., assignor of one-half to J. A. Hodges, Louisburg, N. C. Air-pressure-testing device for pneumatic tires. 1,581,007; Apr. 13.
McGahey, Robert E., Alexandria, Va. Railway-track skate. 1,580,836; Apr. 13.
McGee, Jesse E., Guntown, Miss. Serving-tray support. 1,580,619; Apr. 13.
McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Nebr. Folding camp chair. 1,580,557; Apr. 13.
McGrew, John A., Albany, N. Y. Entrainment gearing for booster motors. 1,580,838; Apr. 13.

McGrew, John A., and J. T. Loree, Albany, N. Y. Method and means for controlling the operation of vehicle propulsion units. 1,580,211; Apr. 13.
McGrew, John A., and J. T. Loree, Albany, N. Y. Operating booster motors for locomotives. 1,580,837; Apr. 13.
McGrew Machine Company. (See McGrew, Earl E., assignor.)
McIntire, Motier W., Wilmington, N. C. Electrical signaling device. 1,580,313; Apr. 13.
McKain, Thomas L., Los Angeles, Calif. Pulverizer. 1,580,620; Apr. 13.
McKee, Thomas, Portland, Oreg. Piano player. 1,580,438; Apr. 13.
McKeighan, Thomas F., assignor to Sun-Maid Raisin Growers Association, Fresno, Calif. Feeding device for automatic scales. 1,580,746; Apr. 13.
McKenna, John T., New York, N. Y. Garment hanger. 1,580,839; Apr. 13.
McKenney, Charles S., assignor to Seward Trunk and Bag Company, Petersburg, Va. Taboret or article of similar nature. Des. 69,901; Apr. 13.
McKeon, Patrick G., H. A. Moles, and J. J. Varner, Tulsa, Okla. Oil-well pump. 1,580,212; Apr. 13.
McLain, Andrew, Carnegie, Pa. Spike puller. 1,580,913; Apr. 13.
McLaine, William L., Los Angeles, Calif. Flow nipple. 1,580,558; Apr. 13.
McManus, Charles E., New York, N. Y. Cork-slab-packing machine. 1,581,073; Apr. 13.
McManus, Charles E., New York, N. Y. Plunger for cork-slab-packing machines. 1,580,559; Apr. 13.
McMenemy, Logan T., Chicago, Ill. Service-requirement indicator for automobiles. 1,580,262; Apr. 13.
McNair, James L., Hartsville, S. C. Desk and seat construction. 1,581,008; Apr. 13.
McSherry, Thomas, Long Branch, N. J. Truss. 1,581,009; Apr. 13.
McVeety, James H., Memphis, Tenn. Blade-grinding machine. 1,580,840; Apr. 13.
Meilland, Andrew, Buffalo, N. Y. Life-preserving suit. 1,580,439; Apr. 13.
Meletio, Monroe L., St. Louis, Mo. Vending-machine front. 69,902; Apr. 13.
Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Manufacture of artificial silk from viscose. 1,580,843; Apr. 13.
Mendel, William, Beverly, assignor to S. A. Neidich, Edgewater Park, N. J. Manufacture of artificial silk from viscose. 1,580,844; Apr. 13.
Mercantile Trust Company of California, executor. (See Simmons, John P.)
Mercedes Büro-Maschinen- und Waffen-Werke. (See Schlüns, Carl, assignor.)
Mercury Mills, Limited. (See Stewart, A. D., and Clarke, assignors.)
Meridas, Chief Two Moon, Waterbury, Conn. Ring. Des. 69,903; Apr. 13.
Merkel, Joseph F., Rochester, assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y. Stand for bicycles, motor cycles, and the like. 1,580,381; Apr. 13.
Merté, Willy, assignor to C. Zeiss, Jena, Germany. Lens system. 1,580,751; Apr. 13.
Metal Specialties Mfg. Co. (See Berg, John, assignor.)
Meteor Electric Corporation. (See Grady, Stephen S., assignor.)
Metzger, Henry L., assignor to Fort Orange Paper Company, Castleton, N. Y. Display box. 1,580,845; Apr. 13.
Metzger, William J., and A. J. Kashubeck, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,580,623; Apr. 13.
Meyer, Newton A., Granby, Quebec, Canada. Manufacturing rough-texture brick from soft mud and apparatus therefor. 1,580,519; Apr. 13.
Meyers, Frederick W., Chicago, Ill. Rope clamp. 1,580,149; Apr. 13.
Mez, Gustav. (See Schlüns, Carl, assignor.)
Midland Manufacturing Company. (See Herman, Joseph L., assignor.)
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, George L., Shickshinny, Pa. Jig. 1,580,752; Apr. 13.
Miller, Harry R., assignor of one-half to N. J. Schorn, Detroit, Mich. Means for facilitating surface transportation. 1,580,214; Apr. 13.
Miller, Jacob C., Milwaukee, Wis. Cushioned valve tappet for internal-combustion engines. 1,580,846; Apr. 13.
Miller, James M., Mission, Tex. Belt fastener. 1,581,075; Apr. 13.
Miller, John A. (See Chaffe, W. H., and Miller.)
Miller, Robert A., jr., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,580,150; Apr. 13.
Miller Rubber Company, The. (See Fenton, Frank, assignor.)
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Mills, Charles W., Syracuse, N. Y. Automatic water heater. 1,580,753; Apr. 13.
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Milton, John L., Louisville, Ky. Combined impulse coupling and automatic timing mechanism. 1,580,520; Apr. 13.
Mitchell, Ernest R., Philadelphia, Pa. Door retainer. 1,581,076; Apr. 13.
Mitchell, Frank B., Hove, England, assignor to The Victor Talking Machine Company, Camden, N. J. Phonograph, talking machine, and the like. 1,580,561; Apr. 16.
Mohun, John L., Omaha, Nebr. Locomotives. 1,580,266; Apr. 13.
Moineau, Hector E., Marlboro, Mass. Wire receptacle. 1,580,847; Apr. 13.
Moles, Harold A. (See McKeon, P. G., Moles, and Varner.)
Monash, Mark A. (See Wolf, Clifford A., assignor.)
Monobe, Nobutaro, assignor to E. Hayashi, Tokyo, Japan. Mold for casting types. 1,580,521; Apr. 13.
Monroe, Ray D. (See Eckels, P. O., and Monroe.)
Moore, Henry D., assignor to L. D. Baker, Boston, Mass. Translucent spark-plug intensifier. 1,580,562; Apr. 13.
Moore, Lewis, Joliet, Ill. Heating stove. Des. 69,904; Apr. 13.
Moore, Oscar W., Chicago, Ill. Radiator cap and indicator. 1,580,151; Apr. 13.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,580,315; Apr. 13.
Mora, José. (See Abella, J., and Mora.)
Moreton, Henry H., Santa Monica, Calif., assignor to National Spot Light Company. Spotlight. 1,580,316; Apr. 13.
Morgan, Henry, Cedar Falls, assignor of one-third to C. L. Ostrander, Waterloo, and one-third to C. H. Wise, Cedar Falls, Iowa. Reaping machine. 1,580,668; Apr. 13.
Mosier, William A., Crown Point, Ind. Brick tongs. 1,581,077; Apr. 13.
Mularcik, Tony, Lailin, Pa. Window frame. 1,580,754; Apr. 13.
Müller, Hermann, Munich, Germany. Self-adjusting coke-oven closure. 1,580,563; Apr. 13.
Mullner, Ludwig, and M. Thell, St. Paul, Minn. Body-supporting and shock-absorbing device for vehicles. 1,580,152; Apr. 13.
Mulroy, John, Jersey City, N. J. Portable oil burner and torch. 1,581,078; Apr. 13.
Murray, Eldon C., Peoria, Ill. All-metal chair. 1,580,522; Apr. 13.
Murray, Joseph A., York, Pa. Making shingles. 1,580,755; Apr. 13.
Murray, Joseph A., York, Pa. Shingle. 1,580,756; Apr. 13.
Murbay Products Company, The. (See Howe, James M., assignor.)
Murray, William H., assignor of one-half to Superior Iron Works, Inc., Shreveport, La. Fishing tool. 1,580,010; Apr. 13.
Mussehl and Westphal. (See Mussehl, Clarence J., assignor.)
Mussehl, Clarence J., assignor to Mussehl and Westphal, Fort Atkinson, Wis. Bazoo. Des. 69,905; Apr. 13.
Myllus, Walter G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Maximum-demand meter. 1,580,523; Apr. 13.
Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken. (See Coster, D., and Von Hevesy, assignors.)
Nagel, Carl, Gliesmarode, near Brunswick, Germany. Automatic weighing apparatus. 1,580,669; Apr. 13.
Naky, Berthold, Brooklyn, N. Y. Delivery mechanism for bottle-cap-assembling machines. 1,580,670; Apr. 13.
National Malleable and Steel Castings Company. (See Metzger, W. J., and Kashubeck, assignors.)
National Marking Machine Company, The. (See Schramm, Richard, assignor.)
National Spot Light Company. (See Moreton, Harry H., assignor.)
Neal, Plummer, et al. (See Smith, Luther, assignor.)
Neher, Willis B., Decatur, Ala. Producing rough-texture brick. 1,580,153; Apr. 13.
Neher, Willis B., Decatur, Ala. Apparatus for the manufacture of rough-texture brick. 1,580,154; Apr. 13.
Neidich, Samuel A. (See Mendel, William, assignor.)
Neister, George W. (See Rives, Edwin A., assignor.)
Nelson, Avery N., and R. L. Mapson, Los Angeles, Calif. Fishing-reel attachment. 1,580,524; Apr. 13.
Nelson, Edward, Belleville, N. J., assignor to O. & W. Company. Making vehicle tires. 1,580,267; Apr. 13.
Neubert, Charles, jr., Baltimore, Md. Can-closure machine. 1,580,317; Apr. 13.
Newhall, Henry B. (See Pleister, H. W., and Karitzky, assignors.)
New Haven Sand Blast Company, The. (See Fatscher, George C., assignor.)
Newman, Paul A., Woodhaven, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric motor and control system therefor. 1,580,848; Apr. 13.
New Process Cork Company. (See Binder, John, assignor.)
Nichols, Alfred W., Revere, Mass. Amusement riding device. 1,580,757; Apr. 13.
Nichols, Richard J., Kansas City, Kans. Apparatus for process embossing. 1,580,671; Apr. 13.
Niebuhr, Henry, Jersey City, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 69,906; Apr. 13.

Niestradt, Ernest S., Denver, Colo. Terra-cotta tooling machine. 1,580,155; Apr. 13.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Cold-cream jar. Des. 69,907; Apr. 13.
Nordenskjold, Anton F., Pittsburgh, assignor to United Foundry & Machine Company, McDonald, Pa. Fluid-operated jack. 1,580,318; Apr. 13.
Norris, Raymond S. (See Kleindienst, Percy P., assignor.)
North, William C. D., Dunedin, Otago, New Zealand. Flushing cistern. 1,581,011; Apr. 13.
Northern Engineering Works. (See Robertson, William, assignor.)
Novick, Abrnham, Flushing, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Blank-locating mechanism. 1,580,564; Apr. 13.
Nowland, Fred S., Grand Rapids, Mich. Device for indicating train times. 1,580,672; Apr. 13.
Nu-Idea Mannfacturing Company. (See Eckels, P. O., and Monroe, assignors.)
Nygaard, Oscar O., Saugus, Mass. Refractory-material grate. 1,580,215; Apr. 13.
Nyquist, Harry, Elmhurst, N. Y., L. L. Bouton, Leonia, N. J., and H. F. Shoffstall, New York, N. Y., assignors to American Telephone and Telegraph Company. Gain-control circuits for repeaters. 1,580,624; Apr. 13.
Nyrop, Johan E., Copenhagen, Denmark. Back straightener. 1,580,758; Apr. 13.
O. & W. Company. (See Nelson, Edward, assignor.)
O. & W. Company. (See Overman, Max C., assignor.)
Oakes, Grover C., Creighton, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for rolling glass. 1,580,156; Apr. 13.
Oberfell, George G., Tulsa, Okla. Method and apparatus for controlling operations of solvent-recovery plants. 1,580,157; Apr. 13.
O'Connor, John T., et al. (See Smith, Alva B., assignor.)
Odlum, William H., Chicago, Ill. Bracket for snubbers and the like. 1,580,565; Apr. 13.
Oehm, William N., and G. Powell, Michigan City, Ind. Nailing machine. Re16,325; Apr. 13.
Ohm, Albert J. D., New York, N. Y., assignor to Incandescent Supply Company. Radiopanel. Des. 69,908; Apr. 13.
O'Kane, Stanley B., Elmhurst, N. Y., assignor to H. J. Braun, Chicago, Ill. Leaf ornament for lighting fixtures. Des. 69,909; Apr. 13.
Olgard, Harry S., Sutton, N. Dak. Oil can. 1,580,158; Apr. 13.
Olson, Andrew, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. 1,580,759; Apr. 13.
Olson, Bert A., Maywood, Ill. Electrical connection. 1,580,849; Apr. 13.
O'Neill, Francis J., Milwaukee, Wis. Game board. 1,580,566; Apr. 13.
Oromaner, Daniel, Brooklyn, N. Y. Hat. Des. 69,910; Apr. 13.
Osborn, Howard H., assignor to H. G. Fischer & Co., Chicago, Ill. Timing device for dental X-ray machines. 1,580,319; Apr. 13.
Osborn, Howard H., assignor to H. G. Fischer & Co., Chicago, Ill. High-potential apparatus. 1,580,320; Apr. 13.
Ostrander, Charles L., et al. (See Morgan, Henry, assignor.)
Otis, Russell M., East Orange, N. J., and W. F. Funk, Midland Beach, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron-discharge device. 1,580,850; Apr. 13.
Otis, Spencer, Barrington, and F. S. Wichman, Highland Park, Ill. Apparatus for selectively supplying washout water and refilling water to boilers. 1,580,525; Apr. 13.
O'Toole, William A., Pittsburgh, Pa. Adjustable wedge for locomotive drive boxes. 1,580,526; Apr. 13.
Overman, Max C., New York, N. Y., assignor to O. & W. Company. Tire-securing device. 1,581,087; Apr. 13.
Owen, James W., Clayton, and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Sound record for talking machines. 1,580,567; Apr. 13.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for forming optical blanks. 1,580,159; Apr. 13.
P. & M. Company. (See Blair, Rolandis A., assignor.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Page, John W., Chicago, Ill. Excavating shovel. 1,580,673; Apr. 13.
Pajalic, Anthony F., Detroit, Mich. Air filter. 1,580,268; Apr. 13.
Palley, J. Lewis, assignor to Pittsburgh Tinware Manufacturing Company, Pittsburgh, Pa. Combination ventilator and card holder. 1,580,440; Apr. 13.
Palmer-Bee Company. (See McBride, Jesse E., assignor.)
Palmer, Charles, assignor to Federal Metal Hose Corporation, Buffalo, N. Y. Method and aparatus for making flexible metal-lined tubes. 1,580,760; Apr. 13.
Palmer, John F., St. Joseph, Mich. Manufacturing tires. 1,580,625; Apr. 13.
Palmgren, Nils G., Stockholm, assignor to Allmänna Telefonaktiebolaget L. M. Ericsson, Dobelusgatan, Stockholm, Sweden. Automatic and semiautomatic telephone exchange. 1,580,321; Apr. 13.
Pamperel, Ernst, Welz, Austria. Term-controlling apparatus for establishments for indicating the degree of occupation and the progress of work. 1,580,674; Apr. 13.
Panepinto, Alfred J., West Philadelphia, Pa. Advertising device. 1,580,851; Apr. 13.
Parker, Charles R., Kankakee, Ill. Fluid brake. 1,580,322; Apr. 13.
Parker, Thomas R. G. (See Goulding, B. J. J., and Parker.)
Parks, Frederick J., Cleveland, Ohio. Machine for making envelopes. 1,580,441; Apr. 13.
Parmele, William G., Seattle, Wash. Lock. 1,580,527; Apr. 13.
Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
Patterson, Nina L., Harmony, Calif. Chart for teaching penmanship. 1,580,675; Apr. 13.
Paul, John A., Brooklyn, N. Y. Evaporator. 1,580,323; Apr. 13.
Paul, Joseph N., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,581,095; Apr. 13.
Paulin, Joshua G., Stockholm, Sweden. Instrument for measuring pressures and forces. 1,580,568; Apr. 13.
Pavlich, Blase, New Orleans, La. Sewing machine. 1,580,324; Apr. 13.
Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Work-ejecting mechanism for printing machines. 1,580,626; Apr. 13.
Payne, Walter B., and F. A. Greene, assignors to The Todd Company, Inc., Rochester, N. Y. Work-ejecting means for printing apparatus. 1,580,761; Apr. 13.
Pearce, Edward E., Candle, Alaska, assignor of one-third to R. Cenek, Gary, Ind. Thawing ground. 1,581,088; Apr. 13.
Pedersen, John D., Jackson, Wyo. Firearm. 1,580,852; Apr. 13.
Pendleton, Pyam L., Providence, assignor to E. W. Martin, Barrington, L. C. Martin, Providence, R. I., and G. W. Bleecker, Chicago, Ill., trustees. Coil mounting. 1,580,853; Apr. 13.
People of the United States, The. (See Phillips, M., and Goss, assignors.)
Perkins, James B., Oakland, Calif. Tool. 1,580,528; Apr. 13.
Perry, Leroy H., Gardena, assignor to Spengler Fishing Tool Company, Los Angeles, Calif. Expansion joint. 1,580,325; Apr. 13.
Persons, Lawrence M., Quincy, assignor to Cook Electric Company, Chicago, Ill. Starting switch. 1,580,160; Apr. 13.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Starting switch for motors. 1,580,161; Apr. 13.
Peters, Otto A., Wichita Falls, Tex. Oil-settling tank. 1,580,791; Apr. 13.
Petersen, Axel C. G. (See Poulsen, A., and Petersen.)
Peterson, Carl J., Provo, Utah. Rotary pump. 1,580,162; Apr. 13.
Peterson, George M., Sturgeon Bay, Wis. Work-supporting stand. 1,580,627; Apr. 13.
Peterson, Ira L. (See Peterson, William P., I. L., and K. V.)
Peterson, Karl V. (See Peterson, William P., I. L., and K. V.)
Peterson, William P., I. L., and K. V., Lily, S. Dak. Packing mechanism for potato graders. 1,580,163; Apr. 13.
Petree, Oran A., Palo Alto, Calif. Ullage calculator. 1,580,529; Apr. 13.
Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)
Pezold, George J., Buffalo, N. Y. Drying apparatus. 1,580,164; Apr. 13.
Philippe, Lucien L., and H. Luginbuhl, Paris, France. Obtaining by a single operation a correct exposure of plates and cylinders comprising half tones accompanied by text or line drawings for helio engraving. 1,581,012; Apr. 13.
Phillips, Max, Evansville, Wis., and M. J. Goss, Ashland, Ohio, dedicated, by mesne assignments, to the people of the United States. Varnish and paint remover. 1,580,914; Apr. 13.
Pick, Albert, & Company. (See Greenwood, Charles H., assignor.)
Pickens, Sale A., Berlin, Md. Stencil. 1,580,382; Apr. 13.
Piessens, Henry, Philadelphia, Pa. Toy gun. 1,580,854; Apr. 13.
Pike, Leroy F., et al. (See Holdaway, Hall H., assignor.)
Piller, Franz, sr., Munich, Germany. Article-dispensing package. 1,580,165; Apr. 13.
Pirchan, Emil, Berlin-Wilmersdorf, assignor to H. Küchenmeister, Berlin, Germany. Casing for talking machines. Des. 69,911; Apr. 13.
Pitman, Henry L., Westfield, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,580,326; Apr. 13.

Pittsburgh Forge and Iron Company. (See Richardson, F. E., and Barr, assignors.)
Pittsburgh Lamp, Brass & Glass Company. (See Kopp, Nicholas, assignor.)
Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Gregorius, Joseph S., assignor.)
Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., jr., assignor.)
Pittsburgh Plate Glass Company. (See Oakes, Grover C., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)
Pittsburgh Plate Glass Company. (See Wright, Uriah O. and C. H., assignors.)
Pittsburgh Tinware Manufacturing Company. (See Palley, J. Lewis, assignor.)
Pledger, Sam, Oklahoma City, Okla. Reciprocating valve. 1,580,915; Apr. 13.
Pleister, Henry W., Westfield, and J. Karitzky, Garwood, assignors to H. B. Newhall, Plainfield, N. J. Nail expansion. 1,580,569; Apr. 13.
Plummer, Harvey S. (See Dyson, R. G., and Plummer.)
Polifrone, Frank, Brooklyn, N. Y. Emergency automobile brake. 1,581,079; Apr. 13.
Polymet Manufacturing Corporation. (See Lauter, Philip, assignor.)
Pongratz, Alfred. (See Zinke, A., and Pongratz.)
Poritz, Frederick M., assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket. Des. 69,912; Apr. 13.
Potts, Joshua R. H. (See Laughlin, Elmyra A., assignor.)
Poulsen, Arnold, and A. C. G. Petersen, Copenhagen, Denmark. Reproduction of speaking films. 1,580,762; Apr. 13.
Powell, Gomert. (See Oehm, W. N., and Powell.)
Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)
Powers, James, New York, N. Y. Trench digger. 1,580,570; Apr. 13.
Precision Machine Company. (See Dina, Augusto, assignor.)
Prince-Smith, William, and D. Waterhouse, Keighley, England. Noble's combing machine. 1,581,013; Apr. 13.
Prindle, Raymond B., Schenectady, N. Y., assignor to General Electric Company. Cooling system for electrical devices. 1,580,855; Apr. 13.
Process Engineers Inc. (See De Cew, Judson A., assignor.)
Products Mfg. & Sales Co. (See Kettelson, Harry C., assignor.)
Pruss, Hugo, Berkeley, Calif. Extension beam for compasses. 1,580,792; Apr. 13.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for cutting material on the bias. 1,580,916; Apr. 13.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for cutting material on the bias. 1,580,917; Apr. 13.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Rotary cutter and making cutter drums. 1,580,918; Apr. 13.
Putzke, William, North Wilwaukee, assignor to Everedy Auto Jack Co., Milwaukee, Wis. Jack. 1,580,571; Apr. 13.
Quick, Morris L., Fulton, N. Y. Apparatus for cooling milk and other liquids. 1,580,856; Apr. 13.
Quirk, Harry J. (See Gay, J. C., Smith, and Quirk.)
R and Company. (See Forsyth, L. J., and Joyce, assignors.)
Raba, Ernest, Pawnee, Okla. Steering mechanism for automobiles. 1,581,014; Apr. 13.
Racine Rubber Company. (See Fisher, Francis R., assignor.)
Radford, George, Oakland Beach, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 69,913; Apr. 13.
Rafferty, John A., and L. M. Taylor, Camden, N. J. Key holder. 1,581,015; Apr. 13.
Rahn, Albert, and J. Weber, Neustadt, Canada. Top connection between a hame strap and hame. 1,580,216; Apr. 13.
Rambo, Rawdon E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Detachable collector rings. 1,580,530; Apr. 13.
Ramsey, George, Brooklyn, N. Y., assignor, by mesne assignments, to Stewart Warner Speedometer Corporation. Liquid-fuel feed. 1,580,676; Apr. 13.
Ramsey, George, Brooklyn, assignor to Self-Feeding Vaporizer Corporation, New York, N. Y. Shock absorber for automobiles and the like. 1,580,327; Apr. 13.
Rasmussen, Robert F., Oshkosh, Wis., assignor, by mesne assignments, to Hudson Manufacturing Company, Minneapolis, Minn. Stall for cattle and the like. 1,580,328; Apr. 13.
Rather, James B., Brooklyn, assignor to Standard Oil Company of New York, New York, N. Y. Desulphurizing petroleum oils. 1,580,531; Apr. 13.
Rathsburg, Hans, Furth, Germany. Manufacture of detonating compositions. 1,580,572; Apr. 13.
Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Pulley. 1,580,919; Apr. 13.
Reeves Pulley Company. (See Reeves, Milton O., assignor.)
Regal Silver Mfg. Co., The. (See Danks, R. L., and Baker, assignors.)
Reid, David E., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for testing paper-stock fiber. 1,580,166; Apr. 13.
Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-furnace-resistor supporting means. 1,580,532; Apr. 13.
Reiland, Ernest S. and P. M., St. Paul, Minn. Sash-weight pulley. 1,580,763; Apr. 13.
Reiland, Peter M. (See Reiland, Ernest S. and P. M.)
Reiniger, Gebbert & Schall Aktiengesellschaft. (See Baumeister, Leonhard, assignor.)
Reiter, Daniel L., New York, N. Y., assignor to Buxton, Incorporated, Springfield, Mass. Holder for keys. 1,581,016; Apr. 13.
Remark, Isidore J., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 69,914; Apr. 13.
Rembold, Viktor, Kiel, Germany. Compressor. 1,580,973; Apr. 13.
Rembold, Viktor, Kiel, Germany. Air prebenter. 1,580,974; Apr. 13.
Remsburg, William P., Adaza, Iowa. Truck for cultivators. 1,581,017; Apr. 13.
Resch, Joseph M., San Francisco, assignor to W. W. Hotchkiss, Santa Cruz, Calif. Automatic camera. 1,580,329; Apr. 13.
Retterath, Valentin, Ingolstadt, Germany. Device for making corrugated cylinders. 1,580,975; Apr. 13.
Reynolds, Lloyd. (See Ensign, William B., assignor.)
Rezsny, Koloman, Budapest, Hungary. Furnace grate. 1,580,330; Apr. 13.
Richards, Ephraim S., Lake Providence, La. Insurance-vending machine. 1,580,331; Apr. 13.
Richards, George C., Berkeley, assignor of one-eighth to C. J. Graff and one-eighth to E. Childress, Oakland, Calif. Insecticide. 1,580,332; Apr. 13.
Richards, Thomas G., Barberton, Ohio. Laminated article. 1,580,857; Apr. 13.
Richmond Beverage Machine Corporation. (See Frick, John, assignor.)
Richmond Lace Works. (See Radford, George, assignor.)
Richardson, Frank E., Sewickley, and J. H. Barr, assignors to Pittsburgh Forge and Iron Company, Pittsburgh, Pa. Method and apparatus for puddling iron. 1,580,533; Apr. 13.
Rimke, William, Berwyn, Ill. Portable talking-machine case. 1,581,018; Apr. 13.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Tabulating mechanism for adding machines. 1,580,534; Apr. 13.
Rives, Edwin A., assignor of one-fourth to G. W. Neister, Greensboro, N. C. Car door. 1,580,217; Apr. 13.
Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Centrifugal basket. 1,581,089; Apr. 13.
Robertson, William, assignor to Northern Engineering Works, Detroit, Mich. Trolley. 1,580,167; Apr. 13.
Robeson, John C., Los Angeles, Calif. Garment hanger. 1,580,793; Apr. 13.
Robinson, Bert T., et al. (See Robinson, Hassel D., assignor.)
Robinson, Clyde F., et al. (See Robinson, Hassel D., assignor.)
Robinson, Hassel D., assignor of one-eighth to E. R. Bramlette, one-eighth to T. G. Bramlette, one-eighth to B. T. Robinson, one-eighth to C. F. Robinson, and one-eighth to T. J. Robinson, Washington, D. C. Traffic signal for automobiles. 1,580,218; Apr. 13.
Robinson, Lula H., Dallas, Tex. Portable adjustable hanger for shades, curtains, and draperies. 1,580,535; Apr. 13.
Robinson, Theron J., et al. (See Robinson, Hassel D., assignor.)
Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Wheel. 1,580,920; Apr. 13.
Roe, William J., Newburgh, N. Y. Detachable tooth section for saw blades. 1,581,019; Apr. 13.
Roesch, Arthur A., assignor to Roesch Enamel Range Company, Belleville, Ill. Range. 1,580,333; Apr. 13.
Roesch Enamel Range Company. (See Roesch, Arthur A., assignor.)
Roffey, Frank A., Milton, Mass. Hairpin. 1,580,764; Apr. 13.
Rogers, Wm. A., Ltd. (See James, Sidney V., assignor.)
Rogers, William E., Independence, Mo. Train-order hoop and holder therefor. 1,580,219; Apr. 13.
Rohn, George F., assignor to G. F. Rohn Electric Company, Milwaukee, Wis. Electric cabinet. 1,580,334; Apr. 13.
Rohn, George F., Electric Company. (See Rohn, George F., assignor.)
Rosenbaum, Bruno, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Oscillation generator. 1,580,536; Apr. 13.

Ross, James G. (See Martus, M. L., Ross, and Becker.)
Ross Manufacturing Company, The. (See Bartlett, William D., assignor.)
Roučka, Erich, Blansko, Czechoslovakia. Measuring device operating by means of a continuous liquid flow. 1,580,677; Apr. 13.
Roučka, Erich, Blansko, Czechoslovakia. Flow regulating and measuring device. 1,580,678; Apr. 13.
Roučka, Erich, Blansko, Czechoslovakia. Remote measuring flow meter. 1,580,679; Apr. 13.
Ruef, Heinrich, Zurich, Switzerland. Mixing machine. 1,580,168; Apr. 13.
Rüping, Max, Munich, assignor to Dübelwerke G. m. b. H., Berlin, Germany. Reenforced railroad crosstie. 1,580,537; Apr. 13.
Russell, C. L., and Sons. (See Russell, Harry L., assignor.)
Russell, Harry L., Keene, assignor to C. L. Russell and Sons, West Swanzey, N. H. Chair assembly. 1,581,020; Apr. 13.
Russell, Harvey K. (See Smith, Charles T., assignor.)
Russell, Mark N., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Shade holder. 1,581,021; Apr. 13.
Ruttle, George N., assignor of one-fourth to E. J. Mahony, Mount Dennis, Ontario, Canada. Circuit-closing device. 1,580,169; Apr. 13.
Ryan, James E., Creston, Iowa. Game for playing football. 1,580,680; Apr. 13.
Sakols, Louis S. (See Schroeder, Roland F., assignor.)
Saksa, Andrew, Bridgeport, Conn. Faucet. 1,580,681; Apr. 13.
Sandell, Henry K., Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill. Electric motor. 1,580,682; Apr. 13.
Sander, William, Snoqualmie Falls, Wash. Display rack. 1,580,765; Apr. 13.
Sanford, Arlene P., Medford, Mass. Baby jacket. Des. 69,915; Apr. 13.
Sang, Charlie, Castroville, Calif. Potato cleaning and sacking machine. 1,580,683; Apr. 13.
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Sargent & Company. (See Kimball, Frank I., assignor.)
Satake, Iwajiro, Seattle, Wash. Reserve tank. 1,580,335; Apr. 13.
Sayles Finishing Plants Inc. (See Flick, Lorenz, assignor.)
Saylor, John R., Pottstown, Pa. Automatic tapping machine. 1,581,022; Apr. 13.
Saylor, John R., Pottstown, Pa. Threading die. 1,581,023; Apr. 13.
Schara, Frank, assignor to Schara Manufacturing Corporation, Kansas City, Mo. Permutation-lock construction. 1,580,573; Apr. 13.
Schara Manufacturing Corporation. (See Schara, Frank, assignor.)
Scheidigger, Ernst, Detroit, Mich. Egg boiler. 1,580,684; Apr. 13.
Scherer, Adolph, Philadelphia, Pa. Ornamenting articles. 1,580,921; Apr. 13.
Scherer, Adolph, Philadelphia, Pa. Lamp shade and making the same. 1,580,922; Apr. 13.
Schlappi, John F., Sioux City, Iowa. Fuel economizer. 1,580,383; Apr. 13.
Schleich, Clarence, Freeport, Ill. Emergency-brake-operating means. 1,580,384; Apr. 13.
Schlotterbeck, Seth S., New Paris, Ohio. Direction signal. 1,580,766; Apr. 13.
Schlüns, Carl, Steglitz, near Berlin, Germany, assignor, by mesne assignments, to G. Mez, doing business as Mercedes Büro-Maschinen- und Waffen-Werke. Calculating machine. 1,580,858; Apr. 13.
Schmidt, Charles H., Elizabeth, assignor to Chrome Steel Works, Carteret, N. J. Rotary ball-rolling machine. 1,580,685; Apr. 13.
Schmidt, Richard J., assignor to The Akron Equipment Company, Akron, Ohio. Vulcanizing press. 1,581,090; Apr. 13.
Schmitt, Otto G., Chicago, Ill. Clothesrack. Re16,324; Apr. 13.
Schmitt, Robert. (See Zitscher, A., and Schmitt.)
Schnetzer, Karl, Aussig-Schreckenstein, Czechoslovakia, assignor to Antiscale Limited, York, England. Method and apparatus for eliminating scale in fluid containers. 1,581,024; Apr. 13.
Scholl, James L., Powellsville, N. C. Automatic heat control for tobacco rooms. 1,581,025; Apr. 13.
Scholl, William M., Chicago, Ill. Orthopedic footwear. 1,580,170; Apr. 13.
Schorn, Nicholas J. (See Miller, Harry R., assignor.)
Schramm, Richard, assignor to The National Marking Machine Company, Cincinnati, Ohio. Work table for marking machines. 1,580,171; Apr. 13.
Schremp, Edward J., Rochester, assignor by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Garment-pressing apparatus. 1,580,336; Apr. 13.
Schroeder, Harry R., Ethanac, Calif. Road band. 1,580,385; Apr. 13.
Schroeder, J. E. (See Fletcher, Harold W., assignor.)
Schroeder, Roland F., assignor of one-half to L. S. Sakols, Milwaukee, Wis. Lighting fixture or the like. Des. 69,916; Apr. 13.
Schulze, Clemence O., Burley, Idaho. Sack needle. 1,580,859; Apr. 13.
Schulze, William H., assignor to Stewart-Warner Speedometer Corp., Chicago, Ill. Searchlight mounting. 1,580,172; Apr. 13.
Schultz, Guinary, administrator. (See Schultz, William C.)
Schultz, William C., deceased, Milwaukee, Wis.; G. Schultz, administrator. Locomotive-boiler water circulator. 1,580,686; Apr. 13.
Schurch, Jacob, assignor of one-half to W. H. Heise, Los Angeles, Calif. Electric vehicle. 1,580,860; Apr. 13.
Schurch, Jacob, assignor of one-half to W. H. Heise, Los Los Angeles, Calif. Ventilating means for dynamo-electric machinery. 1,580,861; Apr. 13.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Control mechanism for grinding apparatus. 1,580,442; Apr. 13.
Schutten, Joseph, Los Angeles, Calif. Oil can. 1,580,337; Apr. 13.
Schwarz, Carl, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Connecting arrangement for high-frequency telephony. 1,580,538; Apr. 13.
Schwarz, Carl, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Safety arrangement for antennæ. 1,580,539; Apr. 13.
Schwarze, Herman, assignor to General Motors Corporation, Detroit, Mich. Telephone installation. 1,580,220; Apr. 13.
Schwartz, Isador, New York, N. Y. Presenting an animated-picture puzzle. 1,581,026; Apr. 13.
Scott, Allison F. H. (See Kokstrom, Axel W., assignor.)
Scott, Shirley, Wakenda, Mo. Anchor riprap. 1,580,338; Apr. 13.
Scovill Manufacturing Company. (See Boden, George, assignor.)
Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Vehicle. 1,580,221; Apr. 13.
Sears, Bernard G. and C. W. Marshall, Guerneville, Calif. Attachment for automobile jacks. 1,580,862; Apr. 13.
Seattle Astoria Iron Works. (See Dodge Merton L., assignor.)
Secor, James L., Mountainville, N. Y. Variable condenser. 1,580,173; Apr. 13.
Segal Metal Products Company. (See Segal, Samuel, assignor.)
Segal, Samuel, assignor to Segal Metal Products Company Inc., New York, N. Y. Padlock. 1,580,574; Apr. 13.
Seibst, Abraham, assignor of one-half to A. Lesser, Montreal, Quebec, Canada. Spool holder for sewing machines. 1,580,687; Apr. 13.
Self-Feeding Vaporizer Corporation. (See Ramsey, George, assignor.)
Sells, J. H. and F. A., Company, The. (See Woodward, John H., assignor.)
Seltzer, Henry W., Sawtelle, Calif. Brazer. 1,580,794; Apr. 13.
Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch-controlling mechanism. 1,580,923; Apr. 13.
Sessions, Edson O., assignor to A. C. Bell, trustee, Chicago, Ill. Insulator support. 1,580,339; Apr. 13.
Severin, Frank W., Wilmette, assignor to Venn-Severin Machine Co., Chicago, Ill. Internal-combustion engine. 1,580,340; Apr. 13.
Seward, Trunk and Bag Company. (See McKenney, Charles S., assignor.)
Shannon, Frank, North Tarrytown, N. Y. Work-piece-supporting atachment for presses. 1,580,924; Apr. 13.
Sharlock, Herbert L., Chicago, Ill., and M. W. McConkey, Ferndale, Mich., assignor to Bendix Brake Company, Chicago, Ill. Demonstrating apparatus. 1,580,222; Apr. 13.
Shaw, Alvoni G. A., Baltimore, Md. Headlight. 1,581,027; Apr. 13.
Shaw, James, Lodi, Calif. Water transport. 1,580,925; Apr. 13.
Shay, James H., Philadelphia, Pa. Vehicle spring mounting. 1,580,540; Apr. 13.
Shea, George H. (See Tompkins, Lewis R., assignor.)
Sheaffer, John E., Louisville, Ky. Valve. 1,581,028; Apr. 13.
Sheldon, Carson J., Youngstown, Ohio. Bowling pin. 1,580,688; Apr. 13.
Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of organic materials. 1,580,795; Apr. 13.
Sherman, Warren S., Oklahoma City, Okla. Locking manhole frame and cover. 1,580,541; Apr. 13.
Shields & Moore. (See Shields, Thomas P., assignor.)
Shields, Thomas P., assignor to Shields & Moore, New York, N. Y. Gold alloy. 1,580,443; Apr. 13.
Shields, Thomas P., assignor to Shields & Moore, New York, N. Y. Metallic alloy. 1,580,444; Apr. 13.
Shields, Thomas P., assignor to Shields & Moore, New York, N. Y. Gold alloy. 1,580,445; Apr. 13.
Shoemaker, Robert J., and W. H. Croft, Chicago, Ill. Casting metals. 1,580,689; Apr. 13.
Shoffstall, Hugh F. (See Nyquist, H., Bouton and Schoffstall.)
Sierad, Albert E. (See Sierad, Milton and A. E.)

Sierad, Milton and A. E., assignors to George W. Button Corporation, New York, N. Y. Combination dispenser and container. 1,580,690; Apr. 13.
Silo, Hitosi, Nagoya, Japan. Apparatus for utilization of excessive power at electric sources. 1,580,386; Apr. 13.
Silverstein, Oscar. (See Van Valkenberg, Eber H., assignor.)
Simmons Company. (See Stuart, Charles A., assignor.)
Simmons, John P., deceased, San Francisco, Calif.; Mercantile Trust Company of California, executor. Auxiliary air valve. 1,580,691; Apr. 13.
Simon, Desiderius, New York, N. Y. Automatic shock absorber. 1,580,926; Apr. 13.
Simplex Refining Company. (See Cameron, William, assignor.)
Skelly, Bernard H., Bridgeport, Conn., assignor to Bowen Products Corporation, Auburn, N. Y. Means for lubricating steering knuckles of vehicles. 1,580,863; Apr. 13.
Skolnik, L. R. (See Skolnik, Max, assignor.)
Skolnik, Max, assignor to L. R. Skolnik, Minneapolis, Minn. Folding table. 1,580,692; Apr. 13.
Skromme, Lars J., Roland, Iowa. Drier structure. 1,580,767; Apr. 13.
Slack, Walter W., Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Pattern reproducing machine. 1,580,174; Apr. 13.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron tube. 1,580,446; Apr. 13.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillation-generator system. 1,580,447; Apr. 13.
Sloss, Aaron M. (See Lambert, Victor, assignor.)
Small, William E., Brooklyn, N. Y. Heel lift. 1,580,927; Apr. 13.
Smith, Abram A., St. Joseph, Mich. Knife. 1,580,693; Apr. 13.
Smith, Alva B., deceased, by N. L. Smith, administratrix, St. Louis, assignor of one-half to J. M. Gray, Webster Groves, and one-half to J. T. O'Connor, St. Louis, Mo. Window-shade fixture. 1,580,448; Apr. 13.
Smith, Charles T., Cleveland Heights, assignor of one-half to H. K. Russell, Cleveland, Ohio. Pipe coupling. 1,580,694; Apr. 13.
Smith, Edwin R., Fitchburg, Mass., assignor to Auto-Mailing Machinery Company. Stop motion for addressing machines. 1,580,341; Apr. 13.
Smith, Ernest C., Paw Paw, Mich., assignor to International Harvester Company. Drive mechanism for manure spreaders. Re16,318; Apr. 13.
Smith, Leonidas C., Polkton, N. C. Door and gate attachment. 1,581,029; Apr. 13.
Smith, Luther, assignor of three-tenths per cent to D. Green, two-tenths per cent to M. Abney, one-tenth per cent to J. Brown, one-tenth per cent to P. Neal, one-tenth per cent to A. D. Davenport, and one-tenth per cent to J. Herbert, Norristown, Pa. Railway tie. 1,580,542; Apr. 13.
Smith, Nannie L., administratrix. (See Smith, Alva B.)
Smith, Ralph E. (See Gay, J. C., Smith, and Quirk.)
Smith, Roy J., Warrenton, Oreg. Fish-landing net. 1,580,543; Apr. 13.
Smith, Stanley C., London, England. Forming sulphite of lead. 1,581,030; Apr. 13.
Smith, Stanley C., London, assignor of one-half to F. E. Elmore, Three Fields, England. Making lead sulphate. 1,581,031; Apr. 13.
Smith, Wesley H., Little Rock, Ark. Steering mechanism for automobiles. 1,581,032; Apr. 13.
Smithe, F. L., Machine Company. (See Novick, Abraham, assignor.)
Snow, Barton S., Batavia, assignor to T. W. Snow Construction Company, Chicago, Ill. Material elevating and storage apparatus. 1,580,695; Apr. 13.
Snow, T. W., Construction Company. (See Snow, Barton S., assignor.)
Snyder, George J., Jersey City, N. J. Toothbrush rack. 1,581,033; Apr. 13.
Snyder, Harry L., assignor of one-half to F. Dau, West Los Angeles, Calif. Holder. 1,580,796; Apr. 13.
Societe Anonyme de Commentry Fourchambault & Decazeville. (See Girin, Pierre, assignor.)
Société Anonyme des Atéliers de Sécheron. (See Werz, Jacob, assignor.)
Societe Anonyme; Societe Francaise de Materiel Agricole & Industriel. (See Goulet, Jean, assignor.)
Soderberg, Jacob, Pittsburg, Pa., assignor to Pittsburgh Plate Glass Company. Surfacing machine. 1,580,175; Apr. 13.
Sondack, Abraham, New York, N. Y. Awning-operating mechanism. 1,580,696; Apr. 13.
Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
Spalsbury, Charles B., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Side-lasting machine. 1,580,449; Apr. 13.
Sparkes, Harry P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,580,450; Apr. 13.
Spengler Fishing Tool Company. (See Perry, Leroy H., assignor.)
Spengler, Henry, New York, N. Y. Closure. 1,580,544; Apr. 13.
Sperr, Frederick W., jr., assignor to The Koppers' Company, Pittsburgh, Pa. Manufacture of hydrogen sulphide. 1,580,451; Apr. 13.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Recovery of hydrogen sulphide. 1,580,452; Apr. 13.
Spicer Manufacturing Corporation. (See Macdonald, Harry P., assignor.)
Spicer, Thomas J., Baltimore, Md. Automobile tire. 1,580,697; Apr. 13.
Spooner, Joseph, et al. (See Mackler, Hyman, assignor.)
Sprague, Frank J., New York, N. Y., assignor to Sprague Safety Control and Signal Corporation. Train-control apparatus. 1,581,094; Apr. 13.
Sprague Safety Control and Signal Corporation. (See Sprague, Frank J., assignor.)
Stafford, Stafford, Lewis F. (See McCausland, J. W., and Stafford.)
Stagg, Joel, St. Thomas, Ontario, Canada. Car-wheel-conveying truck. 1,580,698; Apr. 13.
Stahl, Carl, assignor to Victor Casket Hardware Company, Galesburg, Ill. Handle for burial casket. Des. 69,917; Apr. 13.
Standard Conveyor Company. (See Beulke, Gordon W., assignor.)
Standard Oil Company of New York. (See Rather, James B., assignor.)
Stangebye, Harold, Hobart, Ind. Electric sign. 1,580,928; Apr. 13.
Stanley, John C., and R. A. Evans, Vian, Okla. Manure drill. 1,581,034; Apr. 13.
Star Chandelier Co. (See Poritz, Frederick M., assignor.)
Staude, Edwin G., Minneapolis, Minn. Machine for stacking paper cartons. 1,580,342; Apr. 13.
Stehli Silks Corporation. (See Falls, Charles B., assignor.)
Steiner, Ulrich, Lima, Ohio, assignor to Landis Tool Company, Waynesboro, Pa. Grinding machine. 1,580,343; Apr. 13.
Stentiford, Archibald W. C., New York, N. Y. Trouser protector. 1,580,453; Apr. 13.
Stephenson, Thomas J., Montrose, Calif. Automobile lock. 1,581,035; Apr. 13.
Stern, Isidor, Newark, N. J. Finger ring. Des. 69,918; Apr. 13.
Stevenson, Charles S., Washington, D. C. Umbrella. 1,580,864; Apr. 13.
Stevenson, Henry E., Thetford Mines, Quebec, Canada. Machine for cleaning and opening up asbestos fiber. 1,580,699; Apr. 13.
Stewart, Alexander D., and E. W. Clarke, assignors to Mercury Mills, Limited, Hamilton, Ontario, Canada. Knitting machine. 1,580,387; Apr. 13.
Stewart, Robert T., assignor to American Tool & Machine Company, Boston, Mass. Idler pulley for belt tension. 1,581,091; Apr. 13.
Stewart-Warner Speedometer Corporation. (See Ramsey, George, assignor.)
Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
Stillians, Harry E., Lankershim, Calif. Easel. 1,580,344; Apr. 13.
Stokely, Ray L., Floral Park, Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,580,929; Apr. 13.
Stokowski, Andrew, Milltown, N. J. Device for placing belts on pulleys. 1,580,865; Apr. 13.
Stolle, Peter, and L. A. Manley, Monett, Mo. Switch safety appliance. 1,581,036; Apr. 13.
Stone, Richard C., St. Louis, Mo. Grain blending and distributing apparatus. 1,580,176; Apr. 13.
Storms, H. M., Co. (See Vannote, Howard B., assignor.)
Story, M. A., et al. (See Lawson, David C., assignor.)
Stossel, Charles W., Front Royal, Va. Picker stick for looms. 1,580,345; Apr. 13.
Strand, Henry, Cleveland, Ohio. Expansible tool for honing cylinders. 1,580,866; Apr. 13.
Strickler, Joseph S., Aliquippa, Pa. Change-making and fare-collecting machine. 1,581,037; Apr. 13.
Struble, James F., Hutchinson, Kans. Windmill. 1,580,388; Apr. 13.
Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 69,919; Apr. 13.
Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)
Sturm, Max, jr., Keyport, N. J. Cargo binder. 1,580,454; Apr. 13.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Method of and apparatus for compressing fluid. 1,580,177; Apr. 13.
Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Method of and device for temperature compensation. 1,580,223; Apr. 13.
Sun-Maid Raisin Growers Association. (See McKeighan, Thomas F., assignor.)
Superior Iron Works, Inc. (See Murray, William H., assignor.)
Superior Refrigeration, Inc. (See Andrews, Frank W., assignor.)
Susquehanna Silk Mills. (See Niebuhr, Henry, assignor.)

Sutter, Robert L., Omaha, Nebr. Bill fold. 1,580,346; Apr. 13.
Swan, John C., Marietta, Ohio. Collecting and storing natural cold. 1,580,455; Apr. 13.
Swartz, Miksa, assignor to Flip Manufacturing Company, Inc., Scranton, Pa. Bottle. Des. 69,920; Apr. 13.
Synstelien, Bernhard J., Fonda, Iowa. Corn-carrying attachment for corn picking and husking machines. 1,580,456; Apr. 13.
Syracuse Washing Machine Corporation. (See Wilkinson, Guy C., assignor.)
Tagtmeyer, Henry W., Garrett, Ind. Muffler. 1,580,347; Apr. 13.
Talbot, Evariste E., Fall River, Mass. Cam. 1,580,178; Apr. 13.
Tatro, Arthur W., Adams, Mass. Toboggan-steering device. 1,580,224; Apr. 13.
Taylor, Ernest M., assignor of one-half to B. T. Jellison, Richmond, Va. Car replacer. 1,580,389; Apr. 13.
Taylor, Lawrence M. (See Rafferty, J. A., and Taylor.)
Terry, George A., Buffalo, N. Y. Bottle holder. Des. 69,921; Apr. 13.
Terwilliger, Harry W., Altoona, Pa. Dirigible headlight. 1,580,545; Apr. 13.
Thackray, George E., Westmont Borough, Pa. Flanging. 1,580,930; Apr. 13.
Thackray, George E., Westmont Borough, Pa. Metal flanging. 1,580,931; Apr. 13.
Thatcher, Walter, Chicago, Ill. Screw jack. 1,580,348; Apr. 13.
Theil, Mathias. (See Mullner, L., and Theil.)
Thom, James C., Chicago, Ill., assignor to Combination Machine Company, New York, N. Y. Machine for packaging tobacco and the like. 1,580,867; Apr. 13.
Thomas, Henry, London, England, and C. F. M. van Berkel, Rotterdam, Netherlands, assignors to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,580,932; Apr. 13.
Thomas, Henry, London, England, and C. F. M. van Berkel, Rotterdam, Netherlands, assignors to U. S. Slicing Machine Company, La Porte, Ind. First-slice device. 1,580,933; Apr. 13.
Thompson, C. C., Pottery Company, The. (See De Ville, Walter, assignor.)
Thompson, Kate E., Pompton Plains, N. J. Combination doll and cushion. Des. 69,922; Apr. 13.
Thompson, Merville S., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing N-dihydro-1,2,1',2'-anthraquinone-azine and its derivatives. 1,580,700; Apr. 13.
Thompson, Robert A., New Orleans, La. Fire door. 1,581,038; Apr. 13.
Thurner, Hjalmer S. (See Laymm, H. B., and Thurner.)
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Tindall, Jerome L., Pueblo, Colo. Water-tube steam producer. Re16,320; Apr. 13.
Todd Company, The. (See Payne, W. B., and Greene.)
Todd Company, The. (See Payne, Walter B., assignor.)
Todd, Victor H., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,580,768; Apr. 13.
Todd, Victor H., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company. Motor-control circuits. 1,580,457; Apr. 13.
Toledo Machine and Tool Company, The. (See Byerlein, Arthur A., assignor.)
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Car-coupling mechanism. 1,580,868; Apr. 13.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Coupling mechanism. 1,580,869; Apr. 13.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Car-coupling mechanism. 1,580,870; Apr. 13.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Coupler-supporting mechanism. 1,580,871; Apr. 13.
Tompkins, Lewis R., Atlantic City, N. J., assignor of one-half to G. H. Shea, Quarryville, Pa. Rope clamp. 1,580,575; Apr. 13.
Toppins, Alexander F., assignor of one-tenth to C. Williams, Milwaukee, Wis. Replacement transmission housing and shaft for tractors. 1,580,349; Apr. 13.
Torres, Candido, Ardmore, S. Dak. Combination life buoy and swimming device. 1,581,080; Apr. 18.
Townsend, Albert C., Burlington, Kans. Safe and vault door protector. 1,580,458; Apr. 13.
Traute, Henry C., Monmouth Beach, N. J., assignor to The Diamond Match Company, Chicago, Ill. Match case. 1,580,934; Apr. 13.
Travers, Charles J., assignor to Gilson Manufacturing Company, Fort Washington, Wis. Guard for bearings. 1,580,701; Apr. 13.
Tremblay, Lionel, Montreal, Quebec, Canada. Vehicle lock. 1,580,702; Apr. 13.
Trico Products Corporation. (See Hueber, Henry, assignor.)
Tru-Marcel Manufacturing Company. (See Dondanville, Raymond D. and G., and Hornbeck, assignors.)
Trumbull, Ralph W., Kansas City, Mo. Combination fountain brush and shower nozzle. 1,580,390; Apr. 13.
Twombly, Willard I., New York, N. Y., assignor, by mesne assignments, to The Wilcolator Company, Newark, N. J. Gas control for oven burners of gas stoves. 1,580,179; Apr. 13.
Tyson, Lawrence D., et al. (See Lawson, David C., assignor.)
Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling hot metal. 1,581,039; Apr. 13.
Uggla, Wilhelm R., Stockholm, Sweden. Yieldable toothed wheel, clutch, and the like. 1,580,769; Apr. 13.
Ulrich, Horace W. (See Bowne, L. J., and Ulrich.)
Underwood Typewriter Company. (See Pitman, Henry L., assignor.)
Union Forging Company, The. (See Loomis, L. J., and Furry, assignors.)
United Foundry & Machine Company. (See Nordenskjold, Anton F., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Vinton, John H., assignor.)
United States Bung Manufacturing Company, The. (See Martine, Joseph, assignor.)
U. S. Slicing Machine Company. (See Thomas H., and van Berkel, assignors.)
Uppercu, Inglis M., Deal, N. J. Driving coupling for universal joints. 1,580,350; Apr. 13.
U'Ren, William S., Portland, Oreg. Garden implement. 1,580,391; Apr. 13.
Utton, William, et al. (See Hixson, Charles T., assignor.)
Van Berkel, Cornelis F. M. (See Thomas, H., and van Berkel.)
Van Degrift, Thomas C. (See Lee, C. L., and Van Degrift.)
Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Lubricated film. 1,580,180; Apr. 13.
Vaiden, I. Clifford, et al. (See McClelland, John, assignor.)
Van Nortwick, John, Batavia, Ill., assignor to Appleton Manufacturing Company. Corn husking and shredding machine. 1,580,351; Apr. 13.
Vannote, Howard B., Hasbrouck Heights, N. J., assignor to H. M. Storms Co., Brooklyn, N. Y. Making typewriter ribbons. 1,581,040; Apr. 13.
Van Pelt, Jesse L., Pullman, Wash. Lubricator. 1,580,181; Apr. 13.
Van Valkenberg, Eber H., Monroe, assignor of one-fourth to O. Silverstein, Spokane, Wash. Dirigible airship. 1,580,182; Apr. 13.
Varner, John J. (See McKeon, P. G., Moles, and Varner.)
Veillette, Alfred, Attleboro, Mass., assignor of one-half to T. A. Jenckes, jr., Providence, R. I. Erasive means for writing implements. 1,580,183; Apr. 13.
Venn-Severin Machine Co. (See Severin, Frank W., assignor.)
Ventresca, Ercole, Houston, Tex. Well fishing tool. 1,580,352; Apr. 13.
Vickers Limited. (See Dawson, A. T., and Buckham, assignors.)
Vickers, William. (See Dunn, Herbert H., assignor.)
Victor Adding Machine Co. (See Johantgen, Oliver D., assignor.)
Victor Casket Hardware Company. (See Stahl, Carl, assignor.)
Victor Talking Machine Company, The. (See Mitchell, Frank B., assignor.)
Victor Talking Machine Company. (See Owen, J. W., and Hewitt, assignors.)
Victor Talking Machine Company. (See Wismer, Samuel H., assignor.)
Vidon, Johann, Evanston, Ill. Adjustable horse. 1,580,935; Apr. 13.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Base plate for lighting fixtures. Des. 69,923; Apr. 13.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Adapter for lighting fixtures. Des. 69,924; Apr. 13.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Bracket back for lighting fixtures. Des. 69,925; Apr. 13.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,580,353; Apr. 13.
Vinton, John H., Keene, N. H., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. 1,580,184; Apr. 13.
Von Hevesy, Georg. (See Coster, D., and von Hevesy.)
Wadsworth Watch Case Company, The. (See Beebe, M. C., and Wise, assignors.)
Wagenhorst, James H., Akron, Ohio. Wheel. 1,580,976; Apr. 13.
Wagenhorst, James H., Jackson, Mich. Connecting-plate latch. 1,580,977; Apr. 13.

Wagenhorst, James H., Jackson, Mich. Latch plate for transplit rims. 1,580,978; Apr. 13.
Wagenhorst, James H., Jackson, Mich. Rim base and detachable ring. 1,580,979; Apr. 13.
Wagenhorst, James H., Jackson, Mich. Demountable rim with detachable ring. 1,580,980; Apr. 13.
Walden Knife Company. (See Henry, Ferdinand G., assignor.)
Wallace, R., & Sons Mfg. Co. (See Wilkes, Samuel G., assignor.)
Walliser, H. F., Company. (See Walliser, Robert E., assignor.)
Walliser, Robert E., assignor to H. F. Walliser Company, Chicago, Ill. Attaching device for picture and mirror cords. 1,580,354; Apr. 13.
Walter, Ott. (See Coffing, Fredrick W., assignor.)
Wansner, Frederick W., Piedmont, Calif. Container with brush-wiping attachment. 1,580,936; Apr. 13.
Waterhouse, David. (See Prince-Smith, W., and Waterhouse.)
Watson, Edward F., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Telegraph circuit. 1,580,225; Apr. 13.
Watson, George R., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Drill bit. 1,580,872; Apr. 13.
Watt, James A. D., London, England. Rotary stropping or grinding device. 1,580,355; Apr. 13.
Weatherwax, Claude E., Portland, Oreg. Headlight for automobiles. 1,580,356; Apr. 13.
Weaver, Clarence A. (See Catlin, Winfield, assignor.)
Webb, George F., Hamilton, Ontario, Canada. Manufacture of tipless incandescent lamps. 1,580,226; Apr. 13.
Weber, Joseph. (See Rahn, A., and Weber.)
Weber, Mathias J., Chicago, Ill., assignor, by mesne assignments, to The Healthometer Co. Weighing scale. Re16,323; Apr. 13.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Co., Wickliffe, Ohio. Switch. 1,580,546; Apr. 13.
Weidner, Edmund, Berlin, Germany. Perfumed soap cake. 1,580,576; Apr. 13.
Weinberg, Irving B., Baltimore, Md. Umbrella. Des. 69,926; Apr. 13.
Weisburd, Moe J., New York, N. Y. Artificial fuel. 1,580,547; Apr. 13.
Welcker, Paul H., assignor to Brown & Bigelow, St. Paul, Minn. Collapsible daily-memorandum calendar. 1,580,770; Apr. 13.
Weldon, John J., Pittsfield, Mass., assignor to General Electric Company. Static condenser. 1,580,873; Apr. 13.
Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,580,392; Apr. 13.
Werz, Jacob, assignor of one-half to Société Anonyme des Ateliers de Sécheron, Geneva, Switzerland. Power-transmission device. 1,580,937; Apr. 13.
West, Garfield, Belmont, Nebr. Cattle guard. 1,580,185; Apr. 13.
Western Electric Company. (See Albert, Walter P., assignor.)
Western Electric Company. (See Baker, Clarence I., assignor.)
Western Electric Company. (See Bowne, L. J., and Ulrich, assignors.)
Western Electric Company. (See Evans, William A., assignor.)
Western Electric Company. (See Farrington, John F., assignor.)
Western Electric Company. (See Gent, Edgar W., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Ives, Herbert E., assignor.)
Western Electric Company. (See Johnson, John B., assignor.)
Western Electric Company. (See Jones, Warren C., assignor.)
Western Electric Company. (See Newman, Paul A., assignor.)
Western Electric Company. (See Selvig, John N., assignor.)
Western Electric Company. (See Stokely, Ray L., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baruch, Milton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Cheetham, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, H. J., and Bakken, assignors.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rambo, Rawdon E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rosenbaum, Bruno, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwarz, Carl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Todd, Victor H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westland, Thomas, Ridgway, Pa. Binder. 1,580,459; Apr. 13.
Wetzell, Clarence A., Sterling, Ill. Toy. Des. 69,927; Apr. 13.
Wheeler, C. H., Manufacturing Company. (See Suczek, Robert, assignor.)
White, Alfred H., Ann Arbor, Mich., assignor to J. E. Alexander, Port Edwards, and E. G. Goodell, Stevens Point, Wis., trustees. Regenerating black liquor. 1,580,269; Apr. 13.
White Company, The. (See Lewis, Wilbur S., assignor.)
White, George S., Tugalo, Ga. Concrete-form clamp. 1,580,981; Apr. 13.
Wichman, Frank S. (See Otis, S., and Wichman.)
Wiesman, William A., Dayton, Ohio. Guard for punch presses. 1,580,548; Apr. 13.
Wight, William A., Tacoma, Wash. Stepladder. 1,580,703; Apr. 13.
Wike, William H., Sycamore, Ill. Automatic poultry dipper. 1,580,357; Apr. 13.
Wilcolator Company, The. (See Twombly, Willard I., assignor.)
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wiley, William R., assignor to Wise Electro Sherardizing Company, Detroit, Mich. Manufacturing cap nuts. 1,580,186; Apr. 13.
Wilhelm, Dale C., Gillette, Wyo. Advertising device. 1,580,227; Apr. 13.
Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Coffeepot or similar article. Des. 69,928; Apr. 13.
Wilkinson, Guy C., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Driving mechanism for combined washer and wringer. 1,580,874; Apr. 13.
Willeford, David S., Alameda, Calif. Amusement apparatus. 1,580,460; Apr. 13.
Williams Bros. Aircraft Corporation. (See Leonard, Homer M., assignor.)
Williams, Clifton. (See Toppins, Alexander F., assignor.)
Williams, Edward, Monessen, Pa. Furnace door frame. 1,580,187; Apr. 13.
Williams, Stanley, Scranton, Pa. Friction let-off for looms. 1,580,270; Apr. 13.
Wilson, Thomas H., Seattle, Wash. Portable radiator. 1,580,704; Apr. 13.
Wilson, Dalton K., Waterloo, Iowa. Combination table. 1,580,875; Apr. 13.
Wilson, William G., West New Brighton, assignor to E. G. Daniels, New York, N. Y. Handhole emergency cap. Re16,319; Apr. 13.
Wise, Clarence, et al. (See Morgan, Henry, assignor.)
Wise, Edmund M. (See Beebe, M. C., and Wise.)
Wise Electro Sherardizing Company. (See Wiley, William R., assignor.)
Wislocki, Leon, New York, N. Y. Window lock. 1,580,876; Apr. 13.
Wismer, Samuel H., Palmyra, N. J., assignor to Victor Talking Machine Company. Motor governor. 1,580,549; Apr. 13.
Wiswall, William J., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold form-registering device for billing machines. 1,580,393; Apr. 13.
Wiswall, William J., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold form-registering device for billing machines. 1,580,394; Apr. 13.
Wittmann, Joseph H., Kansas City, Mo. Water bag. 1,580,705; Apr. 13.
Wolf, Clifford A., assignor of one-half to M. A. Monash, New Rochelle, N. Y. Telephone-receiver attachment. 1,580,938; Apr. 13.
Wolfe, Ralph M., Lancaster, Pa. Caster. 1,580,461; Apr. 13.
Woodruff, Adeline R. (See Woodruff, Leonidas D., assignor.)
Woodruff, Leonidas D., assignor to A. R. Woodruff, Chicago, Ill. Sleeve-type ball joint. 1,580,462; Apr. 13.

Woodson, James C., Mansfield, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heater for steel ladles. 1,580,395; Apr. 13.

Woodward, John H., assignor to The J. H. and F. A. Sells Company, Columbus, Ohio. Tarpaulin for athletic fields. 1,580,396; Apr. 13.

Wooldridge, William I., New York, N. Y. Gear and wheel puller. 1,580,982; Apr. 13.

Wooster, William J., Big Spring, Tex. Device for lining of crosshead guide shoes. 1,580,771; Apr. 13.

Wright, Asa, Long Beach, Calif. Fender vise. 1,580,358; Apr. 13.

Wright, Charles H., Brookline, Mass. Protected check. 1,580,983; Apr. 13.

Wright, Charles H. (See Wright, Uriah O. and C. H.)

Wright, John S., Pleasanton, Kans. Curtain fixture. 1,580,706; Apr. 13.

Wright, John W., Puyallup, assignor to Wright Pea Sheller Company, Seattle, Wash. Pea sheller. 1,580,228; Apr. 13.

Wright, Joseph, San Francisco, Calif. Pile structure and forming same. 1,580,271; Apr. 13.

Wright Pea Sheller Company. (See Wright, John W., assignor.)

Wright, Uriah O. and C. H., Clarksburg, W. Va., assignors to Pittsburgh Plate Glass Company. Glass-cylinder-handling truck. 1,580,188; Apr. 13.

Wright, William, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Uncoupling device. 1,580,397; Apr. 13.

Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Lens attachment. 1,580,272; Apr. 13.

Wroten, John F., Baltimore, Md., assignor to Liberty Yeast Corporation. Yeast manufacture. 1,580,550; Apr. 13.

Young, Irvin L., Chicago, Ill. Tag-wiring machine. 1,580,984; Apr. 13.

Zadek, Arthur, New York, N. Y. Toy rattle. 1,580,551; Apr. 13.

Zavitz, Morley C., Alvinston, Ontario, Canada. Tractor plowing attachment. 1,580,707; Apr. 13.

Zeiss, Carl. (See Merté, Willy, assignor.)

Zielinski, Michael A. (See Lukawski, W. S., and Zielinski.)

Zimmer, Gertrude E. (See Zimmer, Samuel B., assignor.)

Zimmer, Samuel B., assignor to G. E. Zimmer, Los Angeles, Calif. Window construction. 1,580,939; Apr. 13.

Zimmerman, Hymen, assignor to Art Cage Manufacturing Company, Inc., New York, N. Y. Cage bottom or similar article. Des. 69,929; Apr. 13.

Zinke, Alois, and A. Pongratz, Gratz, Austria, assignors to F. Beusa, Genoa, Italy. Halogenizing perylene. 1,580,708; Apr. 13.

Zitscher, Arthur, and R. Schmitt, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Di-acylacetyl-diamino compounds of the aromatic series and makin same. 1,580,709; Apr. 13.

Zvorias, Anton, New York, N. Y. Vegetable cutter. 1,580,273; Apr. 13.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator control, Sliding-foot-rest. H. Bailey. 1,580,991; Apr. 13.

Acid from butyl aldehyde, Manufacture of normal butyric. C. W. Hancock. 1,580,137; Apr. 13.

Acid, Manufacture of butyric. D. A. Legg and C. W. Hancock. 1,580,144; Apr. 13.

Acids, Producing naphthol-sulphonic. P. H. Fall and I. E. Lee. 1,580,714; Apr. 13.

Adding machines, Tabulating mechanism for. F. C. Rinsche. 1,580,534; Apr. 13.

Addressing machines, Stop motion for. E. R. Smith Company. 1,580,341; Apr. 13.

Adjusting table. J. F. Keithman. 1,580,972; Apr. 13.

Advertising device. A. J. Panepinto. 1,580,851; Apr. 13.

Advertising device. D. C. Wilhelm. 1,580,227; Apr. 13.

Advertising display container. W. C. Carlson. 1,580,284; Apr. 13.

Aeroplane. E. K. A. Baumann. 1,580,577; Apr. 13.

Aeroplane landing device. B. Kaczorowski. 1,580,902; Apr. 13.

Agricultural implement. R. Kania. 1,580,609; Apr. 13.

Air clarifier, Compresser-. R. R. Macdonald. 1,580,380; Apr. 13.

Air compressor. F. D. Holdsworth. 1,580,435; Apr. 13.

Aircraft. W. Boesche. 1,580,950; Apr. 13.

Airplane powder-dusting apparatus. E. Johnson. 1,580,301; Apr. 13.

Air preheater. V. Rembold. 1,580,974; Apr. 13.

Airship, Dirigible. E. H. Van Valkenberg. 1,580,182; Apr. 13.

Air strainer. A. W. Kogstrom. 1,580,905; Apr. 13.

Alarm: *See*—
Burglar alarm.

Alcohol by fermentation, Manufacturing. H. W. Dahlberg. 1,581,001; Apr. 13.

Alloy. P. Girin. 1,580,662; Apr. 13.

Alloy, Gold. T. P. Shields. 1,580,443; Apr. 13.

Alloy, Gold. T. P. Shields. 1,580,445; Apr. 13.

Alloy, Metallic. T. P. Shields. 1,580,444; Apr. 13.

Amusement apparatus. D. S. Willeford. 1,580,460; Apr. 13.

Amusement riding device. A. W. Nichols. 1,580,757; Apr. 13.

Anchor, Ground. S. Johnson. 1,580,605; Apr. 13.

Anchor riprap. S. Scott. 1,580,338; Apr. 13.

Animal trap. W. Catlin. 1,580,583; Apr. 13.

Antenna, Safety arrangement for. C. Schwarz. 1,580,539; Apr. 13.

Antifreezing device. A. Bohnenblust. 1,580,111; Apr. 13.

Arch support, Spring. L. Klein. 1,580,497; Apr. 13.

Article of manufacture and making the same. C. B. Cushwa. 1,580,417; Apr. 13.

Asbestos fiber, Machine for cleaning and opening up. H. E. Stevenson. 1,580,699; Apr. 13.

Atomizer. H. H. Heller. 1,580,246; Apr. 13.

Automobile brake, Emergency. F. Pollifrone. 1,581,079; Apr. 13.

Automobile direction indicator. F. D. Cross. 1,580,118; Apr. 13.

Automobile doors, Safety locking device for. G. Greathouse. 1,580,722; Apr. 13.

Automobile gas supply, Indicator for. T. M. Eynon. 1,580,593; Apr. 13.

Automobile hood and curtain. C. Giudice. 1,580,822; Apr. 13.

Automobile jack. E. J. McCarty. 1,580,209; Apr. 13.

Automobile jacks, Attachment for. B. G. Sears and C. W. Marshall. 1,580,562; Apr. 13.

Automobile lock. T. J. Stephenson. 1,581,035; Apr. 13.

Automobile, Miniature. J. M. Howe. 1,580,732; Apr. 13.

Automobile parts and the like, Coating and baking apparatus for. W. H. Chaffe and J. A. Miller. 1,580,957; Apr. 13.

Automobile safety fender. L. de Barrics. 1,581,041; Apr. 13.

Automobile signal. T. M. Kerr. 1,580,736; Apr. 13.

Automobile spring structure. N. L. Dootson. 1,580,121; Apr. 13.

Automobiles, Child's support for use in. B. W. Brown. 1,580,404; Apr. 13.

Automobiles, Lubricating. F. H. Gleason. 1,580,823; Apr. 13.

Automobiles, Safety device for. G. Gaglio. 1,580,818; Apr. 13.

Automobiles, Service-requirement indicator for. L. T. McMenemy. 1,580,262; Apr. 13.

Automobiles, Steering mechanism for. E. Raba. 1,581,014; Apr. 13.

Automobiles, Steering mechanism for. W. H. Smith. 1,581,032; Apr. 13.

Awning and like head rods, Holder for. W. S. Feeny. 1,580,238; Apr. 13.

Awning-operating mechanism. A. Sondack. 1,580,696; Apr. 13.

Axle. S. O. Duemler. 1,580,472; Apr. 13.

Back straightener. J. E. Nyrop. 1,580,758; Apr. 13.

Bag: *See*—
Water bag.

Bag dispenser. J. H. Henson. 1,580,488; Apr. 13.

Bag holder. W. A. Foster. 1,581,048; Apr. 13.

Baking process. H. M. Helmerdinger. 1,580,487; Apr. 13.

Ball: *See*—
Golf ball.

Ball joint, Sleeve-type. L. D. Woodruff. 1,580,462; Apr. 13.

Ball-rolling machine, Rotary. C. H. Schmidt. 1,580,685; Apr. 13.

Basket, Centrifugal. E. Roberts. 1,581,089; Apr. 13.

Bath and toilet installation. L. E. and L. G. Funk, 1,580,661; Apr 13.

Battery: *See*—
Feeding battery. Storage battery.

Battery-element suspension means. M. L. Martus, J. G. Ross, and E. H. Becker. 1,580,750; Apr. 13

Batteries, Automatic water supply for wet. O. H. Johnson. 1,580,493; Apr. 13.

Bazoo. C. J. Musschl. Des. 69,905; Apr. 13.

Bearing. C. W. Johnson. 1,580,735; Apr. 13.

Bearing, Connecting-rod. N. H. Gilman. 1,581,083; Apr. 13.

Bearing-shifting mechanism, Journal-. B. M. Fithian. 1,580,124; Apr. 13.

Bearing, Side. W. Bierman. 1,580,641; Apr. 13.

Bearings, Guard for. C. J. Travers. 1,580,701; Apr. 13.

Beds, Attachment for hospital. W. Lidgett and J. Hamlyn. 1,580,507; Apr. 13.

Bedstead frame. C. A. Stuart. Des. 69,919; Apr. 13.

Beehive. H. C. Long. 1,580,513; Apr. 13.

Bell. C. L. Heisler. 1,580,726; Apr. 13.

Bell, Electric. A. C. and E. G. Gaynor. 1,580,595; Apr. 13.

Belt. F. A. Crocker. 1,580,998; Apr. 13.

Belt fastener. J. M. Miller. 1,581,075; Apr. 13.

Belt tension, Idler pulley for. R. T. Stewart. 1,581,091; Apr. 13.

Belts on pulleys, Device for placing. A. Stokowski. 1,580,865; Apr. 13.

Berry box. J. W. McClean. 1,580,147; Apr. 13.

Bicycle handlebars, Attachment for securing grips to. K. B. Harmon. 1,580,724; Apr. 13.

Bicycle or like frame. G. U. Cozzolino and G. C. Flores. 1,580,414; Apr. 13.

Bicycles, motor cycles, and the like, Stand for. J. F. Merkel. 1,580,381; Apr. 13.

Bill fold. R. L. Sutter. 1,580,346; Apr. 13.

Billing machines, Manifold form-registering device for. W. J. Wiswall. 1,580,393–4; Apr. 13.

Binder. T. Westland. 1,580,459; Apr. 13.

Bismuth and manufacture of the same, Injectable, homogeneous, oily preparation of. W. Eichholz and O. Dalmer. 1,580,592; Apr. 13.

Bit: *See*—
Drill bit.

Bit die. J. P. Karns. 1,580,255; Apr. 13.

Blade-packaging machine. F. G. Henry. 1,580,247; Apr. 13.

Blank-locating mechanism. A. Novick. 1,580,564; Apr. 13.

Block mold, Corner-. G. Ey. 1,581,044; Apr. 13.

Block scraper, Butcher's. J. F. Gevaerts. 1,580,821; Apr. 13.

Blow-out shoe. A. H. Cooper. 1,580,468; Apr. 13.

Board: *See*—
Game board.

Boiler: *See*—
Egg boiler. Water-heating and steam-generating boiler.
Steam boiler.

Boiler furnace. J. Kemnal. 1,580,205; Apr. 13.

Boilers, Apparatus for selectively supplying washout water and refilling water to. S. Otis and F. S. Wichman. 1,580,525; Apr. 13.
Book carrier. H. C. Keeler. 1,580,256; Apr. 13.
Book holder, Wire. V. M. Reese. 1,581,063; Apr. 13
Bottle. M. Swartz. Des. 69,920; Apr. 13.
Bottle and holder, Combined perfume. J. A. Fields. Des. 69,880; Apr. 13.
Bottle-cap-assembling machines, Delivery mechanism for. B. Nagy. 1,580,670; Apr. 13.
Bottle closures, Machine for manufacturing. J. Binder. 1,580,642; Apr. 13.
Bottle holder. G. A. Terry. Des. 69,921; Apr. 13.
Bottle refrigerator. C. A. Frick. Des. 69,876; Apr. 13.
Bottle safety holder. T. J. Lilly. 1,580,741; Apr. 13.
Bottles or the like, Closure for water. G. H. C. Lumsden. 1,581,072; Apr. 13.
Bowl. W. H. Magee. Des. 69,898; Apr. 13.
Bowling pin. C. J. Sheldon. 1,580,688; Apr. 13.
Box: *See*—
Berry box. Journal box.
Display box. Reenforced box.
Brace: *See*—
Rail brace. Table brace.
Bracket: *See*—
Scaffold bracket.
Brake: *See*—
Automobile brake. Steering-wheel brake.
Fluid brake.
Brake. J. E. Gervais. 1,581,052; Apr. 13.
Brake-applying mechanism for trailers, Automatic. J. H. Clark. 1,580,812; Apr. 13.
Brake-control device for front wheels. L. Hersot. 1,580,785; Apr. 13.
Brake-operating means. R. V. Hutchinson. 1,580,201; Apr. 13.
Brake-operating means, Emergency-. C. Schleich. 1,580,384; Apr. 13.
Brake shoe. M. R. De France. 1,580,657; Apr. 13.
Brazer. H. W. Seltzer. 1,580,794; Apr. 13.
Bread-slicing machine. J. Jarosz. 1,580,376; Apr. 13.
Brick, Apparatus for the manufacture of rough-texture. W. B. Neher. 1,580,154; Apr. 13.
Brick from soft mud and apparatus therefor, Manufacturing rough-texture. N. A. Meyer. 1,580,519; Apr. 13.
Brick machines, Brake for. E. D. Church. 1,580,584; Apr. 13.
Brick, Producing rough-texture. W. B. Neher. 1,580,153; Apr. 13.
Brick tongs. W. A. Mosier. 1,581,077; Apr. 13.
Briquetting wood particles and product thereof. H. H. Holdaway. 1,580,299; Apr. 13.
Brooder, Chicken. C. F. Bronson. 1,580,580; Apr. 13.
Broom, Push. S. Greenberg. 1,580,134; Apr. 13.
Brush and shower nozzle, Combination fountain. R. W. Trumbull. 1,580,390; Apr. 13.
Brush, Fountain shaving. L. Davis. 1,580,290; Apr. 13.
Bumper. J. W. McCausland and L. F. Stafford. 1,580,146; Apr. 13.
Bumper, Pneumatic. E. Jasheway and H. Duemler. 1,580,203; Apr. 13.
Burglar alarm. H. H. Dunn. 1,580,815; Apr. 13.
Burner: *See*—
Gas burner.
Cabinet, Electric. G. F. Robu. 1,580,334; Apr. 13.
Cabinet heater. S. W. Hetherington. Des. 69,886; Apr. 13.
Cage bottom or similar article. H. Zimmerman. Des. 69,929; Apr. 13.
Calculating machine. C. Schilins. 1,580,858; Apr. 13.
Calculator, Ullage. C. A. Petree. 1,580,529; Apr. 13.
Calendar, Collapsible daily-memorandum. P. H. Welcker. 1,580,770; Apr. 13.
Cam. E. E. Talbot. 1,580,178; Apr. 13.
Cam hub, Split pick-. C. E. Dixon. 1,580,780; Apr. 13.
Camera, Automatic. J. M. Resch. 1,580,329; Apr. 13.
Camp chair, Folding. E. E. McGrew. 1,580,557; Apr. 13.
Can: *See*—
Oil can.
Can closure. F. S. Hyatt. 1,580,602; Apr. 13.
Can-closure machine. C. Neubert, jr. 1,580,317; Apr. 13.
Can-cover lock. W. Hug. 1,581,060; Apr. 13.
Can-making machines, Automatic stop- for. M. L. Dodge. 1,580,421; Apr. 13.
Can structure, Waste-. W. J. Frisbie. 1,580,880; Apr. 13.
Candle, Liquid-air. S. B. Ladd. 1,580,613; Apr. 13.
Cap nuts, Manufacturing. W. R. Wiley. 1,580,186; Apr. 13.
Car coupler. W. J. Metzger and A. J. Kashubeck. 1,580,623; Apr. 13.
Car-coupling mechanism. C. H. Tomlinson. 1,580,868; Apr. 13.
Car-coupling mechanism. C. H. Tomlinson. 1,580,870; Apr. 13.
Car door. E. A. Rives. 1,580,217; Apr. 13.
Car mounting. E. A. Laughlin. 1,580,908; Apr. 13.
Car replacer. E. M. Taylor. 1,580,389; Apr. 13.
Car wheels, Clamping device for. J. W. Ashenfelter. 1,580,275; Apr. 13.
Carburetor. F. Briscoe. 1,580,403; Apr. 13.
Carburetor. J. McClelland. 1,580,834; Apr. 13.
Cargo binder. M. Sturm, jr. 1,580,454; Apr. 13.
Carrier: *See*—
Book carrier. Golf-club carrier.
Carton and the like, Paper folding. S. Bergstein. 1,580,366; Apr. 13.
Carton, Knockdown. W. C. Carlson. 1,580,285; Apr. 13.
Cartons, Machine for stacking paper. E. G. Staude. 1,580,342; Apr. 13.
Cartridge shell, Fire-extinguishing. H. T. Dunn. 1,580,816; Apr. 13.
Case: *See*—
Match case. Vanity case.
Note case.
Casket, Handle for a burial. C. Stahl. Des. 69,917; Apr. 13.
Caster. E. A. Heller. 1,580,245; Apr. 13.
Caster. R. M. Wolfe. 1,580,461; Apr. 13.
Casting metals. R. J. Shoemaker and W. H. Croft. 1,580,689; Apr. 13.
Catalyzing apparatus. D. A. Legg and C. W. Hancock. 1,580,740; Apr. 13.
Cattle guard. G. West. 1,580,185; Apr. 13.
Cellulose fibers, Hydrating. J. A. De Cew. 1,580,814; Apr. 13.
Cellulose-nitrate composition. S. J. Carroll. 1,580,189; Apr. 13.
Chain and making the same. H. B. Layman and H. S. Thurner. 1,580,910; Apr. 13.
Chair: *See*—
Camp chair. Metal chair.
Chair assembly. H. L. Russell. 1,581,020; Apr. 13.
Change-making and fare-collecting machine. J. S. Strickler. 1,581,037; Apr. 13.
Check, Protected. C. H. Wright. 1,580,983; Apr. 13.
Cigar lighter and advertising display stand, Combined. J. J. Gibney. Des. 69,882; Apr. 13.
Cinematography, Color. P. D. Brewster. 1,580,114–15; Apr. 13.
Circuit-closing device. G. N. Ruttle. 1,580,169; Apr. 13.
Circuit controller. F. T. Fereday. 1,580,715; Apr. 13.
Circuit for audions. J. F. Farrington. 1,580,427; Apr. 13.
Circuits for repeaters, Gain-control. H. Nyquist, L. L. Bouton, and H. F. Shoffstall. 1,580,624; Apr. 13.
Circuits, Motor-control. V. H. Todd. 1,580,457; Apr. 13.
Cistern, Flushing. W. C. D. North. 1,581,011; Apr. 13.
Clamp: *See*—
Concrete-form clamp. Rope clamp.
Rail-holding clamp. Tube clamp.
Clamp. J. M. Hargrave. 1,580,197; Apr. 13.
Cleaner: *See*—
Flue cleaner. Tube cleaner.
Toy-pistol nail cleaner. Windshield cleaner.
Closure. H. Spengler. 1,580,544; Apr. 13.
Clothesline prop. J. W. Dawson. 1,580,654; Apr. 13.
Clothespin. G. Gothier. 1,580,824; Apr. 13.
Clothesrack. O. G. Schmitt. Re16,324; Apr. 13.
Clothes washer. B. C. Baldwin. 1,580,362; Apr. 13.
Clutch-controlling mechanism. J. N. Selvig. 1,580,923; Apr. 13.
Coffee, tea, and milk, Combination pot for. A. Ierlse. 1,580,895; Apr. 13.
Coffeepot or similar article. S. G. Wilkes. Des. 69,928; Apr. 13.
Coil mounting. P. L. Pendleton. 1,580,853; Apr. 13.
Coils and producing the same, Curved spirally-wound. H. A. Bremer. 1,580,953; Apr. 13.
Cold-cream jar. F. W. Nitardy. Des. 69,907; Apr. 13.
Collector ring, Detachable. R. E. Rambo. 1,580,530; Apr. 13.
Comb: *See*—
Hair comb.
Comb. W. S. Bechtold. 1,580,365; Apr. 13.
Comb and mirror case, Combination pocket. A. H. Franke. 1,580,660; Apr. 13.
Combination table. D. K. Wilson. 1,580,875; Apr. 13.
Combing machine, Noble's. W. Prince-Smith and D. Waterhouse. 1,581,013; Apr. 13.
Compasses, Extension beam for. H. Pruss. 1,580,792; Apr. 13.
Composition for the treatment of goiter. P. Bommarito. 1,580,400; Apr. 13.
Compressor. V. Rembold. 1,580,973; Apr. 13.
Compressor-controlling mechanism. F. D. Holdsworth. 1,580,433; Apr. 13.
Compressors, Unloading mechanism for. F. D. Holdsworth. 1,580,434; Apr. 13.
Concrete building structures, Core for. J. Martine. 1,580,518; Apr. 13.
Concrete-form clamp. G. S. White. 1,580,981; Apr. 13.
Concrete stringers, Mold for. D. W. Bowe. 1,580,281; Apr. 13.
Condenser. A. M. Demuth. 1,580,234; Apr. 13.
Condenser, Static. J. J. Weldon. 1,580,873; Apr. 13.
Condenser, Variable. P. E. Edelman. 1,580,428; Apr. 13.
Condenser, Variable. G. J. Mahieu. 1,580,621; Apr. 13.
Condenser, Variable. J. L. Secor. 1,580,173; Apr. 13.
Cones from male and female molds, Extracting. A. E. Dieterich. 1,580,589; Apr. 13.
Confining and housing device. D. T. Kern. 1,580,206; Apr. 13.
Connecter, Electrical. W. A. Evans. 1,580,879; Apr. 13.
Container with brush-wiping attachment. F. W. Wansner. 1,580,936; Apr. 13.
Containers, Spout for. H. C. Kettelson. 1,580,737; Apr. 13.

Control mechanism, Remote. W. E. Barber. 1,580,877; Apr. 13.
Conveyer roller. G. W. Beulke. 1,580,367; Apr. 13.
Cooler and filter, Combined. J. E. Howorth. 1,580,300; Apr. 13.
Coop and yard, Collapsible chicken. J. Q. Clarke. 1,581,082; Apr. 13.
Coops, Door construction for poultry. S. S. Barker. 1,580,775; Apr. 13.
Copper containing aromatic amine-sulphur dyes and making the same, Brown. J. Flachslaender and L. L. Burgess. 1,580,716; Apr. 13.
Copper, Electrolytic precipitation of. F. Laist and F. F. Frick. 1,580,614; Apr. 13.
Cords, Attaching device for picture and mirror. R. E. Walliser. 1,580,354; Apr. 13.
Corn-picking and corn-husking machines, Corn-carrying attachment for. B. J. Synstelien. 1,580,456; Apr. 13.
Corn-topping machine. D. L. Laughofer. 1,580,616; Apr. 13.
Cotter pin. R. B. Ferguson. 1,580,239; Apr. 13.
Coupler-supporting mechanism. C. H. Tomlinson. 1,580,871; Apr. 13.
Coupling: *See*—
Hose coupling. Spring coupling.
Pipe coupling.
Coupling and automatic timing mechanism, Combined impulse. J. L. Milton. 1,580,520; Apr. 13.
Coupling mechanism. C. H. Tomlinson. 1,580,869; Apr. 13.
Crate, Collapsible. C. Flagstad. 1,580,125; Apr. 13.
Crate or box, Collapsible shipping. P. Flansburg. 1,581,046; Apr. 13.
Creel, Bait. E. Eckbrecht. 1,580,474; Apr. 13.
Crucible furnace. F. M. Iler. 1,580,733; Apr. 13.
Crutch, Adjustable resilient nonskid. J. B. Glowacki. 1,580,295; Apr. 13.
Crystal detector. C. Izenstark. 1,580,898; Apr. 13.
Cultivating implement. J. Mader. 1,580,263; Apr. 13.
Cultivators, Truck for. W. P. Remsburg. 1,581,017; Apr. 13.
Curler and edged true marcel waving iron, Combination round. R. D. Dondanville, G. Dondanville, and V. G. Hornbeck. 1,580,370; Apr. 13.
Curler and waver, Hair. E. A. Gessner. 1,580,883; Apr. 13.
Curtain-drying stretcher. E. H. Chapman. 1,580,958; Apr. 13.
Curtain fixture. J. S. Wright. 1,580,706; Apr. 13.
Cushion. A. H. Jones. 1,580,606; Apr. 13.
Cutter: *See*—
Flue cutter. Vegetable cutter.
Cutter and making cutter drums, Rotary. E. D. Putt. 1,580,918; Apr. 13.
Cutting machine, Bias. P. Gardner. 1,581,051; Apr. 13.
Cutting material on the bias, Machine for. E. D. Putt. 1,580,916–17; Apr. 13.
Cylinders, Cooling construction for. R. G. Dyson. 1,580,371; Apr. 13.
Cylinders, Device for making corrugated. V. Retterath. 1,580,975; Apr. 13.
Cylinders, Expansible tool for honing. H. Strand. 1,580,866; Apr. 13.
Damper. L. J. Allie. 1,580,106; Apr. 13.
Demonstrating apparatus. H. L. Sharlock and M. W. McConkey. 1,580,222; Apr. 13.
Desk and seat construction. J. L. McNair. 1,581,008; Apr. 13.
Detonating compositions, Manufacture of. H. Rathsburg. 1,580,572; Apr. 13.
Di-acylacetyl-diamino compounds of the aromatic series and making same. A. Zitscher and R. Schmitt. 1,580,709; Apr. 13.
Dial, Calling. C. I. Baker. 1,580,943; Apr. 13.
Die: *See*—
Bit die. Threading die.
Digger: *See*—
Trench digger.
Direction signal. S. S. Schlotterbeck. 1,580,766; Apr. 13.
Dishwashing machines, Propeller for. G. S. Clarkson. 1,580,586; Apr. 13.
Dispenser and container, Combination. M. Sierad and A. E. Sierad. 1,580,690; Apr. 13.
Dispensing apparatus, Coin - controlled. J. Frick. 1,581,050; Apr. 13.
Dispensing device, Paste-. T. M. Macfarland. 1,581,074; Apr. 13.
Dispensing machine, Article-. F. Piller, sr. 1,580,165; Apr. 13.
Dispensing machine, Check-controlled liquid-. J. T. Bonney. 1,580,113; Apr. 13.
Display box. H. L. Metzger. 1,580,845; Apr. 13.
Display hook. P. Frantsits. Des. 69,875; Apr. 13.
Display rack. W. C. Lyon and A. McCullen. 1,580,744; Apr. 13.
Display rack. W. Sander. 1,580,765; Apr. 13.
Doll and cushion, Combination. K. E. Thompson. Des. 69,922; Apr. 13.
Doll, Dancing. A. R. Beck. 1,580,993; Apr. 13.
Door and gate attachment. L. C. Smith. 1,581,029; Apr. 13.
Door, Fire. R. A. Thompson. 1,581,038; Apr. 13.
Door retainer. E. R. Mitchell. 1,581,076; Apr. 13.
Door safety device. C. L. Haenssler. 1,580,826; Apr. 13.
Drafting instrument. D. E. de Marquez. 1,580,419; Apr. 13.
Dredge construction. W. Clifford. 1,580,410; Apr. 13.
Drier: *See*—
Fruit drier.
Drier structure. L. J. Skromme. 1,580,767; Apr. 13.
Drill: *See*—
Manure drill.
Drill. L. D. Karns. 1,580,254; Apr. 13.
Drill bit. G. R. Watson. 1,580,872; Apr. 13.
Drilling machine, Portable. W. J. Dawson. 1,580,655; Apr. 13.
Drying apparatus. C. Field. 1,580,658; Apr. 13.
Drying apparatus. G. J. Pezold. 1,580,164; Apr. 13.
Duplicating or copying apparatus. M. Manrodt. 1,580,264; Apr. 13.
Dust from air, Separating. J. B. Dyer. 1,580,473; Apr. 13.
Dyes, Making. J. B. Marvin, jr. 1,580,265; Apr. 13.
Dynamometer. W. L. Gaines. 1,580,430; Apr. 13.
Easel. H. E. Stillians. 1,580,344; Apr. 13.
Egg boiler. E. Scheidiger. 1,580,684; Apr. 13.
Electric connecter. J. Berg. 1,580,639; Apr. 13.
Electric furnace. G. M. Little. 1,580,511; Apr. 13.
Electric-furnace-resistor supporting means. T. A. Reid. 1,580,532; Apr. 13.
Electric heater. C. C. Abbott. 1,580,797; Apr. 13.
Electric heater, cooker, and ironer, Combination. J. Lavols. 1,580,909; Apr. 13.
Electric machine, Dynamo-. J. L. Burnham. 1,580,810; Apr. 13.
Electric machinery, Ventilating means for dynamo-. J. Schurch. 1,580,861; Apr. 13.
Electric motor. H. K. Sandell. 1,580,682; Apr. 13.
Electric motor and control system therefor. P. A. Newman. 1,580,848; Apr. 13.
Electric regulating system. T. F. Barton. 1,580,802; Apr. 13.
Electric sources, Apparatus for utilization of excessive power at. H. Süo. 1,580,386; Apr. 13.
Electric wall bracket. F. M. Poritz. Des. 69,912; Apr. 13.
Electric wall switch. S. S. Grady. 1,580,663; Apr. 13.
Electrical apparatus. L. S. Kellboltz. 1,580,495; Apr. 13.
Electrical apparatus. R. L. Lee. 1,580,506; Apr. 13.
Electrical connection. B. A. Olson. 1,580,849; Apr. 13.
Electrical devices, Cooling system for. R. B. Prindle. 1,580,855; Apr. 13.
Electrical energy, Apparatus for transforming. J. E. Calverley. 1,580,554; Apr. 13.
Electrodeposition of organic materials. S. E. Sheppard, and L. W. Eberlin. 1,580,795; Apr. 13.
Electron-discharge device. R. M. Otis, and W. F. Funk. 1,580,850; Apr. 13.
Electron tube. J. Slepian. 1,580,446; Apr. 13.
Elevating and storage apparatus, Material. B. S. Snow. 1,580,695; Apr. 13.
Elevator. M. Baruch. 1,580,363; Apr. 13.
Elevator cage, Removable. D. F. Lepley. 1,580,310; Apr. 13.
Embossing, Apparatus for process. R. J. Nichols. 1,580,671; Apr. 13.
Emergency cap, Handhole. W. G. Wilson. Re16,319; Apr. 13.
Emery and grinding wheel operators, Eye and face shield for. T. J. Kelleher. 1,580,903; Apr. 13.
Emulsions, Dehydrating. W. Cameron. 1,580,956; Apr. 13.
Engine: *See*—
Internal-combustion engine. Two-cycle engine.
Steam engine.
Engine. J. U. Jones. 1,580,608; Arp. 13.
Engine. C. B. King. 1,581,065; Apr. 13.
Engines, Attachment for internal-combustion. M. M. Lebecque. 1,580,739; Apr. 13.
Engines, Compression tester for combustion. C. Krone. 1,580,786; Apr. 13.
Engines, Cushioned valve tappet for internal-combustion. J. C. Miller. 1,580,846; Apr. 13.
Engines, Electric starter for internal-combustion. K. A. Barenyi. 1,580,636; Apr. 13.
Engines, Governor for internal-combustion. A. A. Bull. 1,580,231; Apr. 13.
Engines, Supercharger for internal-combustion. G. H. Conrad. 1,580,997; Apr. 13.
Engines, Vapor-supply system for internal-combustion. D. L. Christison. 1,580,962; Apr. 13.
Envelopes, Machine for making. F. J. Parks. 1,580,441; Apr. 13.
Esters, Production of. D. A. Legg. 1,580,143; Apr. 13.
Evaporator. J. A. Paul. 1,580,323; Apr. 13.
Excavating bucket, Ditch-. C. Harrison. 1,580,725. Apr. 13.
Excavating shovel. J. W. Page. 1,580,673; Apr. 13.
Expansion joint. L. H. Perry. 1,580,325; Apr. 13.
Eyeglass construction. S. J. Clulee. 1,580,117; Apr. 13.
Fan, Electric. B. M. Giordano. 1,581,054; Apr. 13.
Fastening device. M. J. McClarence. 1,581,006; Apr. 13.
Fastening device, Antirattling. A. F. Ladwig, and C. A. Larson. 1,580,907; Apr. 13.
Faucet. A. Saksa. 1,580,681; Apr. 13.
Feed mixer. J. O. Allstott. 1,580,988; Apr. 13.
Feed vessels, Guard for poultry. C. A. Hadland. 1,580,484; Apr. 13.

Feeding battery, Poultry. S. S. Barker. 1,580,774; Apr. 13.
Fender: *See*—
Automobile safety fender.
Fibrous material, Making. C. Hering. 1,580,199; Apr. 13.
Film, Lubricated. H. E. Van Derhoef. 1,580,180; Apr. 13.
Film-negative holder. R. L. Kelly. 1,580,496; Apr. 13.
Films, Reproduction of speaking. A. Poulson and A. C. G. Petersen. 1, 580,762; Apr. 13.
Filter. L. L. Dollinger. 1,580,291; Apr. 13.
Filter, Air. A. F. Pujalic. 1,580,268; Apr. 13.
Filter and separator, Gasoline. J. B. Duby. 1,580,470; Apr. 13.
Finger ring. I. Stern. Des. 69,918; Apr. 13.
Firearm. J. D. Pedersen. 1,580,852; Apr. 13.
Firearm with screwed barrel detachable by hand or permanently fixed. A. Di Brazza. 1,580,968; Apr. 13.
Firearms, Support for. J. M. Browning. 1,580,406; Apr. 13.
Fire escape. G. H. Brown. 1,580,283; Apr. 13.
Fish-landing net. R. J. Smith. 1,580,543; Apr. 13.
Fishing-reel attachment. A. N. Nelson and R. L. Mapson. 1,580,524; Apr. 13.
Fishing tool. W. H. Murray. 1,581,010; Apr. 13.
Flanging. G. E. Thackray. 1,580,930; Apr. 13.
Flexible joint. H. P. MacDonald. 1,580,747; Apr. 13.
Flower, Artificial. S. Berger. 1,580,399; Apr. 13.
Flue cleaner. I. Gawley. 1,580,294; Apr. 13.
Flue cutter. J. A. Duca. 1,580,471; Apr. 13.
Fluid brake. C. R. Parker. 1,580,322; Apr. 13.
Fluid-cut-off mechanism. C. T. Bard. 1,580,277; Apr. 13.
Fluid, Method and apparatus for compressing. R. Suczek. 1,580,177; Apr. 13.
Fluid-operated jack. A. F. Nordenskjold. 1,580,318; Apr. 13.
Folding table. M. Skolnik. 1,580,692; Apr. 13.
Football, Game for playing. J. E. Ryan. 1,580,680; Apr. 13.
Footwear, Detachable tread for. W. H. Chenery. 1,580,232; Apr. 13.
Footwear, Machine for applying reenforcing strips to articles of. L. J. Bazzoni. 1,580,110; Apr. 13.
Footwear, Orthopedic. W. M. Scholl. 1,580,170; Apr. 13.
Frame: *See*—
Bicycle or like frame. Window frame.
Furnace-door frame.
Frames, Drive for roving. D. C. Lawson. 1,580,308; Apr. 13
Fruit drier. G. R. Anderson. 1,580,274; Apr. 13.
Fuel, Artificial. M. J. Weisburd. 1,580,547; Apr. 13.
Fuel economizer. John F. Schlappi. 1,580,383; Apr. 13.
Fuel, Process and apparatus relating to the combustion of solid. M. de Coninck. 1,580,656; Apr. 13.
Fuel-supply system. J. H. Hunt. 1,580,489; Apr. 13.
Fur. F. W. Horstmann. Des. 69,887–8; Apr. 13.
Furnace: *See*—
Boiler furnace. Electric furnace.
Crucible furnace.
Furnace-door frame. E. Williams. 1,580,187; Apr. 13.
Furnace grate. K. Rezsny. 1,580,389; Apr. 13.
Furniture legs, Foot for. J. A. Fitch. 1,580,781; Apr. 13.
Fuse plug. L. D. Christie. 1,580,996; Apr. 13.
Game. J. G. Koegle. 1,580,305; Apr. 13.
Game apparatus. O. C. Knopf. 1,581,068–9; Apr. 13.
Game board. F. J. O'Neill. 1,580,566; Apr. 13.
Game depending on skill. F. Hoist. 1,580,783; Apr. 13.
Garden implement. W. S. U'Ren. 1,580,391; Apr. 13.
Garment hanger. J. T. McKenna. 1,580,839; Apr. 13.
Garment hanger. J. C. Robeson. 1,580,793; Apr. 13.
Garter. F. J. Klepper. 1,580,426; Apr. 13.
Garter, Rubber bathing. C. M. Hannon. Des. 69,883; Apr. 13.
Gas burner. W. P. Capps. 1,580,095; Apr. 13.
Gas generating and burning apparatus, Hydrocarbon-. C. A. Hill. 1,580,892; Apr. 13.
Gas-liquefying apparatus. F. W. Andrews. 1,580,360; Apr. 13.
Gauging machine, Automatic. E. C. Burdick. 1,580,955; Apr. 13.
Gear and wheel puller. W. I. Wooldridge. 1,580,982; Apr. 13.
Gear-cutting machines, Lubricating mechanism for. S. H. Earl. 1,580,712; Apr. 13.
Gearing for booster motors, Entrainment. J. A. McGrew. 1,580,838; Apr. 30.
Gearing, Power-transmission. H. R. Davies. 1,580,190; Apr. 13.
Generator: *See*—
Oscillation generator.
Generator system, Oscillation. J. Slepian. 1,580,447; Apr. 13.
Glass, Apparatus for drawing sheet. R. A. Miller, jr. 1,580,150; Apr. 13.
Glass, Apparatus for making plate. A. E. Evans. 1,580,122; Apr. 13.
Glass, Apparatus for making plate. F. Geistharp. 1,580,130; Apr. 13.
Glass, Aparatus for making sheet. W. G. Koupal. 1,580,140; Apr. 13.
Glass goblet or similar article. E. Bell. Des. 69,868; Apr. 13.
Glass machines, Edge-holding device for sheet-. J. H. Fox. 1,580,128; Apr. 13.
Glass, Process and apparatus for rolling. G. C. Oakes. 1,580,156; Apr. 13.
Glass-severing apparatus. C. A. Brown. 1,580,809; Apr. 13.
Glass substitute. J. J. and A. Colle. 1,580,287; Apr. 13.
Glass tanks, Apparatus for maintaining the level in. J. S. Gregorius. 1,580,135; Apr. 13.
Globe support. W. C. Homan. 1,580,730; Apr. 13.
Globes and the like, Holder for. L. C. Doane. 1,580,711; Apr. 13.
Golf ball. W. P. Brereton. 1,580,230; Apr. 13.
Golf-club carrier. G. F. Johnston. 1,581,061; Apr. 13.
Golf putting device. L. D. Brooks. 1,581,092; Apr. 13.
Governor, Motor. S. H. Wismer. 1,580,549; Apr. 13.
Grader, Elevating. J. P. Benbow. 1,580,637–8; Apr. 13.
Grain-binder conveyers, Guard for. J. C. Brattly. 1,580,646; Apr. 13.
Grain blending and distributing apparatus. R. C. Stone. 1,580,176; Apr. 13.
Grain shocker. H. Fox. 1,581,049; Apr. 13.
Grate, Refractory-material. O. O. Nygaard. 1,580,215; Apr. 13.
Grinding apparatus, Control mechanism for. C. H. Schurr. 1,580,442; Apr. 13.
Grinding machine. U. Steiner. 1,580,343; Apr. 13.
Grinding machine, Blade-. J. H. McVeety. 1,580,840; Apr. 13.
Guide shoes, Device for lining of crosshead. W. J. Wooster. 1,580,771; Apr. 13.
Gun carriage. A. T. Dawson. 1,580,652; Apr. 13.
Guns of power-driven spraying pumps, Attachment for automatically-operating spraying. G. B. Fox and J. G. Christian. 1,580,478; Apr. 13.
Hafnium and zirconium, Separating. B. Coster and G. von Hevesy. 1,580,650; Apr. 13.
Hair comb, Lady's. M. Liguori. 1,580,832; Apr. 13.
Hairpin. F. A. Roffey. 1,580,764; Apr. 13.
Halter. T. P. Brenny. 1,580,553; Apr. 13.
Hame strap and hame, Top connection between a. A. Rahn and J. Weber. 1,580,216; Apr. 13.
Hanger: *See*—
Garment hanger. I-beam hanger.
Hanger mounting. L. Johnston. 1,580,302; Apr. 13.
Harrow. A. M. Leyner. 1,580,145; Apr. 13.
Hat. D. Oromaner. Des. 69,910; Apr. 13.
Hat linings of fabric, Embossing. H. F. Keever. 1,580,377; Apr. 13.
Header construction. G. H. Harris. 1,580,886; Apr. 13.
Headlight. T. King. 1,581,066; Apr. 13.
Headlight. J. M. B. Lewis. 1,580,311; Apr. 13.
Headlight. A. G. A. Shaw. 1,581,027; Apr. 13.
Headlight, Automobile. L. C. Garman and W. M. Coleman. 1,580,819; Apr. 13.
Headlight construction, Dirigible-. M. A. Christie. 1,580,555; Apr. 13.
Headlight, Dirigible. H. W. Terwilliger. 1,580,545; Apr. 13.
Headlight for automobiles. C. E. Weatherwax. 1,580,356; Apr. 13.
Headlight lens. C. T. Hixson. 1,580,373; Apr. 13.
Headlight of vehicles. J. Ayer. 1,580,276; Apr. 13.
Headlights, Reflector for. F. F. MacLean. 1,580,314; Apr. 13.
Heat control for tobacco rooms, Automatic. J. L. Scholl. 1,581,025; Apr. 13.
Heat exchange. H. W. Fletcher. 1,580,126; Apr. 13.
Heater: *See*—
Electric heater. Water heater.
Heaters, Gas-burner unit for. H. E. Kerr. 1,580,904; Apr. 13.
Heating pot, Water. R. Ghelin. 1,581,055; Apr. 13.
Heel lift. W. E. Small. 1,580,927; Apr. 13.
Heel sweep. J. W. Brown. 1,580,405; Apr. 13.
Heel-turning machine. J. H. Vinton. 1,580,184; Apr. 13.
Helio engraving, Obtaining by a single operation a correct exposure of plates and cylinders comprising half tones accompanied by text or line drawings for. L. L. Philippe and H. Luginbuhl. 1,581,012; Apr. 13.
Hernial supporting pads in place, Device for retaining. J. G. Homan. 1,580,729; Apr. 13.
Hinge. G. J. Gruendler. Des. 69,879; Apr. 13.
Hinge, Ball-bearing door. F. I. Kimball. 1,580,257; Apr. 13.
Hoist, Free-chain. F. W. Coffing. 1,580,411; Apr. 13.
Hoist mechanism. D. F. Lopley. 1,580,309; Apr. 13.
Holder. H. L. Snyder. 1,580,796; Apr. 13.
Homogeneous, moldable powders from fibrous cement, Producing. I. E. Lanhoffer and O. E. Lanhoffer. 1,580,787; Apr. 13.
Hook: *See*—
Safety hook. Snap hook.
Hook. G. B. N. Dow and G. J. J. Clark. 1,580,590; Apr. 13.
Horn-gap switch. H. J. Crabbs and A. H. Bakken. 1,580,415; Apr. 13.
Horse, Adjustable. J. Vidon. 1,580,935; Apr. 13.
Hose coupling. E. P. Kelly. 1,581,064; Apr. 13.
Hose, Coupling for metal-lined. L. H. Crandall. 1,580,963–4; Apr. 13.
Husking and shredding machine, Corn. J. Van Nortwick. 1,580,351; Apr. 13.
Hydraulic motor. J. E. Borden. 1,580,807; Apr. 13.

Hydraulic prime mover. J. E. Borden. 1,580,806; Apr. 13.
Hydrocarbon motor. J. G. Vincent. 1,580,353; Apr. 13.
Hydrocarbons, Apparatus for distilling. N. F. W. Hazeldine. 1,580,372; Apr. 13.
Hydrogen sulphide, Manufacture of. F. W. Sperr, jr. 1,580,451; Apr. 13.
Hydrogen sulphide, Recovery of. F. W. Sperr, jr. 1,580,452; Apr. 13.
I-beam hanger. W. O. Berry. 1,580,578; Apr. 13.
Illuminating fixtures, Globe for. N. Kopp. Des. 69,894; Apr. 13.
Impelling mechanism. J. E. Borden. 1,580,808; Apr. 13.
Index system. L. J. Forsyth and M. J. Joyce. 1,580,127; Apr. 13.
Indicator: *See*—
Automobile direction indicator. Station indicator.
Induction apparatus, Stationary. L. H. Burnham. 1,580,811; Apr. 13.
Insect-exterminating apparatus. R. E. Hammock. 1,580,297; Apr. 13.
Insecticide. F. W. Barber. 1,580,992; Apr. 13.
Insecticide. G. C. Richards. 1,580,332; Apr. 13.
Insecticide for use on tobacco plants, Brown-colored. H. Howard. 1,580,200; Apr. 13.
Insulation for containers, Heat. L. E. Cover. 1,570,413; Apr. 13.
Insulator. L. H. Bean. 1,580,463; Apr. 13.
Insulator support. E. O. Sessions. 1,580,339; Apr. 13.
Internal-combustion engine. J. Davidson. 1,581,002; Apr. 13.
Internal-combustion engine. W. L. Dempsey. 1,580,420; Apr. 13.
Internal-combustion engine. D. H. Hornor. 1,580,249; Apr. 13.
Internal-combustion engine. F. W. Severin. 1,580,340; Apr. 13.
Interrupter. E. W. Gent. 1,580,882; Apr. 13.
Ironing machine. H. G. Grosse. 1,580,195; Apr. 13.
Irrigating pipes, Mechanism for automatic turning of L. T. Larsen. 1,580,502; Apr. 13.
Jack: *See*—
Automobile jack. Screw jack.
Fluid-operated jack.
Jack. W. Putzke. 1,580,571; Apr. 13.
Jacket, Baby. A. P. Sanford. Des. 69,915; Apr. 13.
Jar protector. A. A. Hoese. 1,581,058; Apr. 13.
Jelly base, Producing a. A. Gusmer. 1,580,665; Apr. 13.
Jewel stone or an article of similar article. M. J Heller. Des. 69,884–5; Apr. 13.
Jewelry. H. W. Fishel. 1,580,659; Apr. 13.
Jig. G. L. Miller. 1,580,752; Apr. 13.
Joint: *See*—
Ball joint. Pipe joint.
Expansion joint. Rail joint.
Flexible joint.
Joints, Driving coupling for universal. I. M. Uppercu. 1,580,350; Apr. 13.
Journal box. F. H. Einwaechter, jr., and F. A. Cordegna. 1,581,042; Apr. 13.
Key holder. J. A. Rafferty and L. M. Taylor. 1,581,015; Apr. 13.
Keys, Holder for. D. I. Reiter. 1,581,016; Apr. 13.
Kiln. H. F. Gruetzemacher, jr. 1,580,483; Apr. 13.
Knife. A. A. Smith. 1,580,693; Apr. 13.
Knife or instrument for killing poultry. A. MacAllister. 1,580,790; Apr. 13.
Knitting machine. A. D. Stewart and E. W. Clarke. 1,580,387; Apr. 13.
Knitting machines, Yarn furnishing and controlling mechanism for. K. Howie. 1,581,093; Apr. 13.
Lace. G. Radford. Des. 69,913; Apr. 13.
Laminated article. T. G. Richards. 1,580,857; Apr. 13.
Lamp, Ornamental. C. E. Grimm. 1,580,597; Apr. 13.
Lamp shade and making the same. A. Scherer. 1,580,922; Apr. 13.
Lamps, Manufacture of tipless incandescent. G. F. Webb. 1,580,226; Apr. 13.
Lasting machine, Side-. C. B. Spalsbury. 1,580,449; Apr. 13.
Latch, Connecting-plate. J. H. Wagenhorst. 1,580,977; Apr. 13.
Latch plate for transplit rims. J. H. Wagenhorst. 1,580,978; Apr. 13.
Latch, Sliding-door. A. L. Hansen. 1,580,666; Apr. 13.
Lathes, Cylinder-grinder attachment for. B. F. James. 1,580,604; Apr. 13.
Lawn sweeper. J. H. Holbrook. 1,580,600; Apr. 13.
Lawn trimmer. W. T. La Cross and F. W. Barber. 1,580,306; Apr. 13.
Lead sulphite, Making. S. C. Smith. 1,581,031; Apr. 13.
Lens attachment. W. J. Wrighton. 1,580,272; Apr. 13.
Lens, Multifocal. A. V. Brown. 1,580,282; Apr. 13.
Lens system. W. Merté. 1,580,751; Apr. 13.
Life buoy and swimming device, Combination. C. Torres. 1,581,080; Apr. 13.
Life-preserving suit. A. Meilland. 1,580,439; Apr. 13.
Lighting fixture. I. Kranz. Des. 69,895; Apr. 13.
Lighting fixture, Electric-. I. Kranz. Des. 69,892; Apr. 13.
Lighting fixture or the like. R. F. Schroeder. Des. 69,916; Apr. 13.
Lighting fixtures, Adapter for. G. E. Villaret. Des. 69,924; Apr. 13.
Lighting fixtures, Base plate for. G. E. Villaret. Des. 69,923; Apr. 13.
Lighting fixtures, Bracket back for. G. E. Villaret. Des. 69,925; Apr. 13.
Lighting fixtures, Leaf ornament for. S. B. O'Kane. Des. 69,909; Apr. 13.
Lighting fixtures, Shade for. H. D'Oller, jr. Des. 69,871–2; Apr. 13.
Lightning arrester. R. E. Marbury. 1,580,516; Apr. 13.
Lime, Manufacturing hydrated. C. I. Chubbuck. 1,580,710; Apr. 13.
Liquid-fuel feed. G. Ramsey. 1,580,676; Apr. 13.
Liquor, Regenerating black. A. H. White. 1,580,269; Apr. 13.
Liquid-measuring device. V. Lambert. 1,580,501; Apr. 13.
Listing machine, Nonadd and total-key mechanism for. O. D. Johantgen. 1,580,492; Apr. 13.
Load-regulating means, Automatic. H. M. Gassman. 1,580,431; Apr. 13.
Loading and unloading apparatus. H. Enard. 1,580,556; Apr. 13.
Lock: *See*— [illegible]
Automobile lock. Vehicle lock.
Can-cover lock. Window lock.
Steering-gear lock.
Lock. W. G. Parmele. 1,580,527; Apr. 13.
Locomotive. J. L. Mohun. 1,580,266; Apr. 13.
Locomotive-boiler water circulator. W. C. Schultz. 1,580,686; Apr. 13.
Locomotive drive boxes, Adjustable wedge for. W. A. O'Toole. 1,580,526; Apr. 13.
Locomotive or car truck. A. F. Batchelder. 1,580,803; Apr. 13.
Locomotives or similar vehicles, Air-cooled condenser for. F. Ljungstrom. 1,580,512; Apr. 13.
Locomotives, Operating booster motors for. J. A. McGrew and J. T. Loree. 1,580,837; Apr. 13.
Loom shuttle. G. M. Cheney. 1,580,959; Apr. 13.
Loom shuttles, Yarn-tensioning device for. G. M. Cheney. 1,580,960; Apr. 13.
Loom treadle guide. J. B. Bell. 1,580,948; Apr. 13.
Looms, Barre-preventing means for. A. W. Machlet. 1,580,148; Apr. 13.
Looms, Feeler mechanism for. E. H. Ballou. 1,580,944; Apr. 13.
Looms, Friction let-off for. S. Williams. 1,580,270; Apr. 13.
Looms, Picker stick for. C. W. Stossel. 1,580,345; Apr. 13.
Looms, Shuttle for automatic. G. M. Cheney. 1,580,961; Apr. 13.
Lubricator. J. J. Aull. 1,580,990; Apr. 13.
Lubricator. J. L. Van Pelt. 1,580,181; Apr. 23.
Magnesium-containing synthetic resin and making same. C. Ellis. 1,580,424; Apr. 13.
Magnetic assemblies, Press for leveling. R. A. Farnam. 1,580,426; Apr. 13.
Manhole frame and cover, Locking. W. S. Sherman. 1,580,541; Apr. 13.
Manicure instrument. G. F. Ballou. 1,580,109; Apr. 13.
Manure drill. J. C. Stanley and R. A. Evans. 1,581,034; Apr. 13.
Manure spreaders, Drive mechanism for. E. C. Smith. Re16,318; Apr. 13.
Marker. T. W. Jones. 1,580,303; Apr. 13.
Marking machines, Work table for. R. Schramm. 1,580,171; Apr. 13.
Marking pin. G. Boden. 1,580,579; Apr. 13.
Match case. H. C. Traute. 1,580,934; Apr. 13.
Match packet and igniter. E. M. Massey. 1,580,622; Apr. 13.
Match-vending machine. H. Fried. 1,580,594; Apr. 13.
Maximum-demand meter. W. G. Mylius. 1,580,523; Apr. 13.
Measuring device. L. K. De Bus. 1,580,813; Apr. 13.
Measuring device. C. H. Folsom. 1,581,047; Apr. 13.
Measuring device, Automatic. E. D. Church. 1,580,585; Apr. 13.
Measuring device operated by means of a continuous liquid flow. E. Roučka. 1,580,677; Apr. 13.
Measuring flow meter, Remote. E. Roučka. 1,580,679; Apr. 13.
Measuring instrument, Electrical. G. A. Cheetham. 1,580,408; Apr. 13.
Measuring instrument, Electrical. H. P. Sparkes. 1,580,450; Apr. 13.
Measuring instrument, Electrical. V. H. Todd. 1,580,768; Apr. 13.
Measuring pressures and forces, Instrument for. J. G. Paulin. 1,580,568; Apr. 13.
Metal and metallic masses, Treatment of impure molten. H. Harris. 1,580,138; Apr. 13.
Metal body and producing same, Etched. G. H. Mamerow. 1,580,748; Apr. 13.
Metal body, Etched. W. Goodwin. 1,570,721; Apr. 13.
Metal chair, All-. E. C. Murray. 1,580,522; Apr. 13.
Metal flanging. G. E. Trackray. 1,580,931; Apr. 13.
Metal-folding machine. C. L. Lee and T. C. Van Degrift. 1,580,505; Apr. 13.
Metal, Rolling hot. J. B. Tytus. 1,581,039; Apr. 13.
Metal stamping and drawing press. A. A. Byerlein. 1,580,581; Apr. 13.
Metal to prevent corrosion, Treating ferrous. G. D. Breck. 1,580,647; Apr. 13.

Metals, Apparatus for the manufacture of earth. H. Dolter. 1,580,469; Apr. 13.
Metallic and coloring foil films, Method and apparatus for manufacturing imitation. R. Gubin. 1,580,196; Apr. 13.
Metallic materials, Apparatus for coating and treating. J. L. Herman. 1,580,887–91; Apr. 13.
Metallic sheets, Producing coated or other thin. H. C. Harrison. 1,580,198; Apr. 13.
Meter: *See*—
Maximum-demand meter. Measuring flow meter.
Milk and other liquids, Apparatus for cooling. M. L. Quick. 1,580,856; Apr. 13.
Mill: *See*—
Pulverizer mill.
Mixer: *See*—
Feed mixer.
Mixing machine. H. Ruef. 1,580,168; Apr. 13.
Mold: *See*—
Block mold.
Mold. G. Ey. 1,581,043; Apr. 13.
Mold. F. R. Hahn. 1,580,485; Apr. 13.
Molding machine. R. J. Leary. 1,580,437; Apr. 13.
Mortising machine. W. Loeffler. 1,580,743; Apr. 13.
Mortising tool. J. H. Collins. 1,580,412; Apr. 13.
Motion-picture-projection apparatus, Attachment for. H. W. Joy. 1,580,204; Apr. 13.
Motor: *See*—
Electric motor. Hydrocarbon motor.
Hydraulic motor. Synchronous motor.
Motor cycles, bicycles, etc., Support for. E. C. Henderson. Re16,321; Apr. 13.
Motor-starting apparatus. C. D. Ainsworth. 1,580,629; Apr. 13.
Motors, Controlling apparatus for booster. H. L. Ingersoll. 1,580,734; Apr. 13.
Motors, Mounting for electric. A. P. Daniel. 1,580,587; Apr. 13.
Motors, Safety device for electric. L. P. Hynes. 1,580,251; Apr. 13.
Motors, Starting switch for. L. M. Persons. 1,580,161; Apr. 13.
Muffler. H. W. Tagtmeyer. 1,580,347; Apr. 13.
Music-leaf turner. W. S. Lukawski and M. A. Zielinski. 1,580,985; Apr. 13.
N-dihydro-1,2, 1', 2'-anthraquinone-azine and its derivatives, Producing. M. S. Thompson. 1,580,700; Apr. 13.
Nail clutch. L. S. Horne. 1,580,731; Apr. 13.
Nail expansion. H. W. Pleister and J. Karlizky. 1,580,569; Apr. 13.
Nailing machine. W. N. Ochm and G. Powell. Re16,325; Apr. 13.
Natural cold, Collecting and storing. J. C. Swan. 1,580,455; Apr. 13.
Necktie container. O. C. Binder. 1,580,643; Apr. 13.
Needle, Sack. C. O. Schulze. 1,580,859; Apr. 13.
Newspapers, Fly sheet for. A. L. Lengel. 1,580,830; Apr. 13.
Nipple, Flow. W. L. McLaine. 1,580,558; Apr. 13.
Nipple for earthenware containers. G. Henderson. 1,580,727; Apr. 13.
Note case. C. O. Bunnell. 1,580,994; Apr. 13.
Nozzle for force-feed lubricators. G. W. Lovequist and J. H. George. 1,580,618; Apr. 13.
Numbering device, Serial. M. C. Beebe and E. M. Wise. 1,580,947; Apr. 13.
Occupation and the progress of work, Term-controlling apparatus for establishments for indicating the degree of. E. Pamperi. 1,580,674; Apr. 13.
Oil and lubricant, Penetrating. H. N. Copthorne. 1,580,233; Apr. 13.
Oil burner and torch, Portable. J. Mulroy. 1,581,078; Apr. 13.
Oil can. H. S. Olgard. 1,580,158; Apr. 13.
Oil can. J. Schutten. 1,580,337; Apr. 13.
Oil, Dehydrating. H. C. Eddy. 1,580,581; Apr. 13.
Oil from metal chips, Reclaiming. C. H. Hapgood. 1,580,723; Apr. 13.
Oil-settling tank. O. A. Peters. 1,580,791; Apr. 13.
Oil tank. C. A. Glass. 1,580,194; Apr. 13.
Oils and perfumes, Water-soluble essential. F. Bräunlich. 1,580,952; Apr. 13.
Oils, Desulphurizing petroleum. J. B. Rather. 1,580,531; Apr. 13.
Ophthalmic mounting. A. Anderson. 1,580,632; Apr. 13.
Optical blanks, Apparatus for forming. W. Owen. 1,580,159; Apr. 13.
Organic materials, Bleaching. R. Hamburger and S. Kaesz. 1,580,136; Apr. 13.
Organomagnesium compounds, Molding composition containing. E. Carleton. 1,580,425; Apr. 13.
Ornamented fabric and ornamenting it, L. L. Flick. 1,580,717; Apr. 13.
Ornamenting articles. A. Scherer. 1,580,921; Apr. 13.
Oscillation generator. B. Rosenbaum. 1,580,536; Apr. 13.
Oven burners of gas stoves, Gas control for. W. I. Twombly. 1,580,179; Apr. 13.
Oven closure, Self-adjusting coke-. H. Müller. 1,580,563; Apr. 13.
Oven door, Sanitary. N. Corbett. 1,580,288; Apr. 13.
Packing machine, Cork-slab-. C. E. McManus. 1,581,073; Apr. 13.
Packing machines, Plunger for cork-slab-. C. E. McManus. 1,580,559; Apr. 13.
Padlock. S. Segal. 1,580,574; Apr. 13.
Paper-folding machine. A. Olson. 1,580,759; Apr. 13.
Paper-stock fiber, Method and apparatus for testing. D. E. Reid. 1,580,166; Apr. 13.
Papers similar to dipped water-mark papers, Machine for the manufacture of. P. Erkens. 1,581,004; Apr. 13.
Pattern-reproducing machine. W. W. Slack. 1,580,174; Apr. 13.
Pea sheller. J. W. Wright. 1,580,228; Apr. 13.
Pen, Fountain. J. C. Alford. 1,580,987; Apr. 13.
Penmanship, Chart for teaching. N. L. Patterson. 1,580,675; Apr. 13.
Percussive tool. G. M. Jaffrennou. 1,580,202; Apr. 13.
Perforating machine. P. R. Glass. 1,580,132; Apr. 13.
Permutation-lock construction. F. Schara. 1,580,573; Apr. 13.
Perylene, Halogenizing. A. Zinke and A. Pongratz. 1,580,708; Apr. 13.
Phonograph and radioadapter. W. P. Krause. 1,581,086; Apr. 13.
Phonograph, talking machine, and the like. F. B. Mitchell. 1,580,561; Apr. 13.
Photo-engraving. H. E. Ives. 1,580,897; Apr. 13.
Piano player. T. McKee. 1,580,458; Apr. 13.
Piano, Tracking device for player. G. A. Forsberg and T. W. Granberg. 1,580,240; Apr. 13.
Picture analysis. H. E. Ives. 1,580,896; Apr. 13.
Picture machines, Safety operating attachment for motion-. A. Dina. 1,580,969; Apr. 13.
Pile structure and forming same. J. Wright. 1,580,271; Apr. 13.
Pillow. J. E. McCulloch. 1,580,210; Apr. 13.
Pin: *See*—
Bowling pin. Marking pin.
Cotter pin.
Pinion puller, Hydraulic. G. S. Hill. 1,581,057; Apr. 13.
Pipe: *See*—
Soap-bubble pipe. Stovepipe.
Pipe coupling. C. T. Smith. 1,580,694; Apr. 13.
Pipe joint, Extension. J. E. Albinson. 1,580,941; Apr. 13.
Piston. F. Jardine and F. Jehle. 1,580491; Apr. 13.
Piston-ring construction. J. L. Gibson. 1,581,053; Apr. 13.
Piston-ring former. V. Di Prima. 1,580,235; Apr. 13.
Plane, Road. L. Lamoreaux and R. J. Boomer. 1,580,142; Apr. 13.
Plate or similar article. W. De Ville. Des. 69,870; Apr. 13.
Plates, Decorating metal. F. H. Auld. 1,580,773; Apr. 13.
Plug, Electrical connecting. P. Lanter. 1,580,503; Apr. 13.
Pneumatic suspension fed by compressed air. P. Dupuy. 1,580,817; Apr. 13.
Polishing runner. F. Gelstharp. 1,580,129; Apr. 13.
Portioning machine. L. L. Knox and W. H. Lewis. 1,580,498; Apr. 13.
Pot: *See*—
Heating pot.
Potato cleaning and sacking machine. C. Sang. 1,580,683; Apr. 13.
Potato graders, Packing mechanism for. W. P., I. L., and K. V. Peterson. 1,580,162; Apr. 13.
Potential apparatus, High-. H. H. Osborn. 1,580,320; Apr. 13.
Poultry dipper, Automatic. W. H. Wike. 1,580,357; Apr. 13.
Press: *See*—
Printing press. Vulcanizing press.
Press. M. F. Carr. 1,580,648; Apr. 13.
Press construction. H. H. Hummel. 1,580,894; Apr. 13.
Presses, Guard for punch. W. A. Wiesman. 1,580,548; Apr. 13.
Presses, Work-piece-supporting attachment for. F. Shannon. 1,580,924; Apr. 13.
Pressing apparatus, Garment-. E. J. Schremp. 1,580,836; Apr. 13.
Printing apparatus, Work ejecting means for. W. B. Payne and F. A. Greene. 1,580,761; Apr. 13.
Printing machines, Work-ejecting mechanism for. W. B. Payne. 1,580,626; Apr. 13.
Printing plates, Machine for correcting. E. Ericksson. 1,580,236; Apr. 13.
Printing press, Multicolor web-perfecting. H. M. Barber. 1,580,635; Apr. 13.
Printing presses, Automatic inking device for. A. L. Lengel. 1,580,829; Apr. 13.
Prune turner. J. F. Bollinger. 1,580,805; Apr. 13.
Puddling iron, Method and apparatus for. F. E. Richardson and J. H. Barr. 1,580,533; Apr. 13.
Puller: *See*—
Pinion puller. Spike puller.
Pulley. M. O. Reeves. 1,580,919; Apr. 13.
Pulley, Sash-weight. E. S. Reiland and P. M. Reiland. 1,580,703; Apr. 13.
Pulverizer. T. L. McKain. 1,580,620; Apr. 13.
Pulverizer mill. A. Keller. 1,580,610; Apr. 13.
Pump. P. Ghilardi. 1,580,131; Apr. 13.
Pump and motor, Rotary. F. Kleinhans. 1,580,304; Apr. 13.
Pump, Diaphragm. B. Frankenfield. 1,580,479; Apr. 13.

Pump, Oil-well. P. G. McKeon, H. A. Noles, and J. J. Varner. 1,580,212; Apr. 13.
Pump, Rotary. C. J. Peterson. 1,580,162; Apr. 13.
Pump, Rotary air. A. J. Espitallier. 1,580,237; Apr. 13.
Pumps, Blade and shoe for rotary. W. B. Ensign. 1,580,713; Apr. 13.
Puzzle, Presenting an animated-picture. I. Schwartz. 1,581,026; Apr. 13.
Rack: *See*—
Display rack. Toothbrush rack.
Radiator. F. X. Atzberger. 1,580,633; Apr. 13.
Radiator. E. V. Daily. 1,580,651; Apr. 13.
Radiator cap and indicator. O. W. Moore. 1,580,151; Apr. 13.
Radiator cap and thermometer, Combined. R. A. Durland. Des. 69,873; Apr. 13.
Radiator, Portable. T. H. Willson. 1,580,704; Apr. 13.
Radiator, Variable. M. Lava. 1,580,504; Apr. 13.
Radio distribution, Trunking system of. E. E. Clement. 1,580,409; Apr. 13.
Radioloop. J. M. Gaar. Des. 69,877; Apr. 13.
Radio receiving system. C. T. Allcutt. 1,580,359; Apr. 13.
Rail anchor. R. A. Blair. 1,580,644; Apr. 13.
Rail brace, Guard-. R. B. Abbott. 1,580,628; Apr. 13.
Rail-fastening device. C. P. Kimmel. 1,580,259; Apr. 13.
Rail frog. D. E. Anderson. 1,580,108; Apr. 13.
Rail-holding clamp. C. P. Kimmel. 1,580,258; Apr. 13.
Rail joint. J. Kovarik. 1,580,738; Apr. 13.
Railopanel. A. J. D. Ohm. Des. 69,908; Apr. 13.
Railway crosstie, Reenforced. M. Rüping. 1,580,537; Apr. 13.
Railway safety crossing. C. Bentz. 1,580,777; Apr. 13.
Railway tie. L. Smith. 1,580,542; Apr. 13.
Railway-track skate. R. E. McGahey. 1,580,836; Apr. 13.
Railway traffic, System for automatically governing. W. K. Howe. 1,580,971; Apr. 13
Range. A. A. Roesch. 1,580,333; Apr. 13.
Razor blades and the like, Strop for safety-. M. W. McArdle. 1,580,514; Apr. 13.
Reaping machine. H. Morgan. 1,580,668; Apr. 13.
Reatomizer. F. O. Ball. 1,580,634; Apr. 13.
Receiver. O. M. Leich. 1,580,911; Apr. 13.
Reel. C. E. Aberson. 1,580,986; Apr. 13.
Reenforced box. D. D. Bean. 1,580,279; Apr. 13.
Regrinding and reboring machine. J. Locken. 1,580,379; Apr. 13.
Regulating and measuring device, Flow. E. Roucka. 1,580,678; Apr. 13.
Reserve tank. I. Satake. 1,580,335; Apr. 13.
Ribbon-feed mechanism. W. W. Lasker. 1,580,307; Apr. 13.
Rim base and detachable ring. J. H. Wagenhorst. 1,580,979; Apr. 13.
Rim with detachable ring, Demountable. J. H. Wagenhorst. 1,580,980; Apr. 13.
Ring: *See*—
Collector ring.
Ring, Chief T. M. Meridas. Des. 69,903; Apr. 13.
Rivet holder. J. E. Hoffman. 1,580,159; Apr. 13.
Rivet-set retainer. A. Levedahl. 1,580,617; Apr. 13.
Riveting machine. C. E. Martin. 1,580,213; Apr. 13.
Road band. H. R. Schroeder. 1,580,385; Apr. 13.
Road marker or monument. A. P. Gilbert. 1,580,719; Apr. 13.
Roller: *See*—
Conveyer roller.
Rolls, Machine for applying heads to the ends of. F. H. Anson. 1,580,361; Apr. 13.
Rope clamp. F. W. Meyers. 1,580,149; Apr. 13.
Rope clamp. L. R. Tompkins. 1,580,575; Apr. 13.
Rubber articles, Making sinuous hard-. R. T. Griffiths. 1,580,432; Apr. 13.
Rubber articles, mold, and lubricant therefor, Making molded. B. Dales and W. S. Cable. 1,580,966–7; Apr. 13.
Rubber, Producing embossed sheet. F. Fenton. 1,580,428; Apr. 13.
Safe and vault door protector. A. C. Townsend. 1,580,458; Apr. 13.
Safety hook. D. P. and P. Cronrwell. 1,580,416; Apr. 13. 1,580,416; Apr. 13.
Sand-blast apparatus. G. C. Fatscher. 1,581,045; Apr. 13.
Saw, Band. J. A. Carlson. 1,580,407; Apr. 13.
Saw blades, Detachable-tooth section for. W. J. Roe. 1,581,019; Apr. 13.
Sawing machines and the like, Safety device for. C. L. Mattison. 1,580,842; Apr. 13.
Scaffold bracket. R. Grunt. 1,580,243; Apr. 13.
Scale in fluid containers, Method and apparatus for eliminating. K. Schnetzer. 1,581,024; Apr. 13.
Scale, Weighing. M. J. Weber. Re16,323; Apr. 13.
Scales, Feeding device for automatic. T. F. McKeighan. 1,580,746; Apr. 13.
Scalebeam. G. W. Lanman. 1,581,070; Apr. 13.
Screw jack. W. Thatcher. 1,580,348; Apr. 13.
Seal and knot protector. S. Baruch. 1,580,946; Apr. 13.
Searchlight mounting. W. H. Schulze. 1,580,172; Apr. 13.
Seesaw, Adjustable one-passenger. N. B. Lilles. 1,580,508; Apr. 13.
Separator: *See*—
Terminal separator.
Serving-tray support. J. E. McGee. 1,580,619; Apr. 13.
Sewing machine. B. Pavlich. 1,580,324; Apr. 13.
Sewing machines, Spool holder for. A. Selbst. 1,580,687; Apr. 13.
Shade fixture, Window-. A. B. Smith. 1,580,448; Apr. 13.
Shade holder. M. N. Russell. 1,581,021; Apr. 13.
Shades, curtains, and draperies, Portable adjustable hanger for. L. H. Robinson. 1,580,535; Apr. 13.
Shaft packing. A. Jahs. 1,580,603; Apr. 13.
Shank stiffeners, Making. R. E. Bartels. 1,580,278; Apr. 13.
Sheller: *See*—
Pea sheller.
Shield and receptor, Combined sanitary. F. H. Blumenfeld. 1,580,464; Apr. 13.
Shingle. J. A. Murray. 1,580,756; Apr. 13.
Shingles, Making. J. A. Murray. 1,580,755; Apr. 13.
Ships, Guiding arrangement for the propeller current of. H. Hass. 1,580,486; Apr. 13.
Shock absorber, Automatic. D. Simon. 1,580,926; Apr. 13.
Shock absorber for automobiles and the like. G. Ramsey. 1,580,327; Apr. 13.
Shock-absorbing brake for automobiles, Double-acting. R. B. McConney. 1,580,780; Apr. 13.
Shoe, Bowling. F. Farnan. 1,580,475; Apr. 13.
Shoemaking machine. R. L. Hubbard. 1,580,893; Apr. 13.
Shovel: *See*—
Excavating shovel.
Shuttle. W. W. Harris. 1,580,139; Apr. 13.
Sign, Electric. H. Stangebye. 1,580,928; Apr. 13.
Signal: *See*—
Automobile signal. Direction signal.
Signaling device, Electrical. M. W. McIntire. 1,580,313; Apr. 13.
Signaling system, Electrical. C. V. Logwood. 1,580,261; Apr. 13.
Silk from viscose, Manufacture of artificial. W. Mendel. 1,580,843; Apr. 13.
Silk from viscose, Manufacture of artificial. W. Mendel. 1,580,844; Apr. 13.
Ski fitting. G. W. Easdale and F. W. Bedard. 1,580,292; Apr. 13.
Slice device, First-. H. Thomas and C. F. M. van Berkel. 1,580,933; Apr. 13.
Slicing machine. H. Thomas and C. F. M. van Berkel. 1,580,932; Apr. 13.
Slitting machines, Sheet-gauging device for. J. M. Hothersall. 1,580,250; Apr. 13.
Snap fastener. C. M. Brouse. 1,580,116; Apr. 13.
Snap hook. F. H. Graif, jr. 1,580,664; Apr. 13.
Snubbers and the like, Bracket for. W. H. Odlum. 1,580,565; Apr. 13.
Soap-bubble pipe. S. S. Grotta. 1,580,598; Apr. 13.
Soap cake, Perfumed. E. Weidner. 1,580,576; Apr. 13.
Solvent-recovery plants, Method and apparatus for controlling operations of. G. G. Oberfell. 1,580,157; Apr. 13.
Sound-amplifying means. J. E. Davis. 1,580,418; Apr. 13.
Sound producer. E. P. Bone. 1,580,112; Apr. 13.
Sound reproducer, Electromagnetic. R. L. Brown. 1,580,954; Apr. 13.
Spark-plug intensifier, Translucent. H. D. Moore. 1,580,562; Apr. 13.
Speed-regulator system. C. A. Boddie. 1,580,368; Apr. 13.
Spike puller. A. McLain. 1,580,913; Apr. 13.
Spoon or similar article. R. L. Danks and M. L. Baker. Des. 69,869; Apr. 13.
Spoon or similar article. S. V. James. Des. 69,896; Apr. 13.
Spoon-supporting means. A. E. Carman. 1,580,582; Apr. 13.
Spotlight. H. H. Moreton. 1,580,816; Apr. 13.
Spring coupling. N. H. Gilman. 1,581,084; Apr. 13.
Spring plate. L. J. Loomis and E. B. Furry. 1,580,912; Apr. 13.
Stacker. H. S. Labombarde. 1,580,612; Apr. 13.
Stall for cattle and the like. R. F. Rasmussen. 1,580,328; Apr. 13.
Stamp-vending machine. M. Delude. 1,580,588; Apr. 13.
Stand: *See*—
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Starting switch. L. M. Persons. 1,580,160; Apr. 13.
Station, Automatic. R. J. Wensley. 1,580,392; Apr. 13.
Station indicator. L. L. Cloud. 1,580,286; Apr. 13.
Steam boiler, Electrically-operated. L. A. Fitzer. 1,580,293; Apr. 13.
Steam engine. H. Goodwin. 1,581,056; Apr. 13.
Steel ladles, Heater for. J. C. Woodson. 1,580,395; Apr. 13.
Steering device, Toboggan-. A. W. Tatro. 1,580,224; Apr. 13.
Steering-gear lock. W. Ganz. 1,580,881; Apr. 13.
Steering-post brace. W. L. Howe, jr. Des. 69,889; Apr. 13.
Steering-wheel brake. H. W. Alden. 1,580,631; Apr. 13.
Stencil. S. A. Pickens. 1,580,382; Apr. 13.
Stepladder. W. A. Wight. 1,580,708; Apr. 13.
Stereoscopic cinematographic apparatus. M. Girsdansky. 1,580,242; Apr. 13.
Stitch-cutting machine. L. B. Frost. 1,580,420; Apr. 13.
Stocking. P. P. Kleindienst. 1,581,067; Apr. 13.

Stone, stoneware and the like from boiler slag, dust slag, or ashes, Production of artificial. F. Körber and W. Hessel. 1,580,906; Apr. 13.
Stopcock, Double-packed. F. C. Heylman. 1,580,248; Apr. 13.
Storage battery. D. Grill. 1,580,596; Apr. 13.
Stove, Heating. L. Moore. Des. 69,904; Apr. 13.
Stove, Oil-burning. A. E. James. 1,580,253; Apr. 13.
Stovepipe, Adjustable. J. B. Bradshaw. 1,580,552; Apr. 13.
Stropping or grinding device, Rotary. J. A. D. Watt. 1,580,355; Apr. 13.
Sulphite of lead, Forming. S. C. Smith. 1,581,030; Apr. 13.
Supporting device. J. T. Ashton. 1,580,772; Apr. 13.
Surfacing machine. J. Soderberg. 1,580,175; Apr. 13.
Swaging machine, Rotary. A. Berg. 1,580,949; Apr. 13.
Swaging tool. H. W. Goff. 1,580,884; Apr. 13.
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Typographical casting machines, Apparatus for cooling the molds of. B. J. J. Golding and T. R. G. Parker. 1,580,133; Apr. 13.
Typographical line-casting machine. B. J. J. Goulding. 1,580,296; Apr. 13.
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CLASSIFICATION OF PATENTS

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

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Alderman, Walter A., Sacramento, Calif. Dried prunes, peaches, figs, and apricots, and canned prunes. 212,023; Apr. 20.

Alkire, Mabel F., Dallas, Tex. Decorative and ornamental candles. 211,982; Apr. 20.

Almetal Manufacturing Company, The, Maplewood, Mo. Ironing machines. 211,951; Apr. 20; Serial No. 223,615; published Jan. 26, 1926.

Amaranth Fabrics, Inc., New York, N. Y. Woven fabrics of silk, artificial silk, and combinations thereof. 211,805; Apr. 20; Serial No. 224,738; published Feb. 9, 1926.

American Bosch Magneto Corporation, Springfield, Mass. Ignition and starting apparatus, electric-lighting systems, radio apparatus, etc. 211,829; Apr. 20; Serial No. 220,167; published Jan. 26, 1926.

American Chicle Company, assignor to Caleb Crawford Company, Long Island City, N. Y. Chewing gum. 211,913; Apr. 20; Serial No. 224,854; published Feb. 9, 1926.

American Electric Fusion Corporation, Chicago, Ill. Electric welding machines and parts thereof. 211,854; Apr. 20; Serial No. 220,440; published Feb. 2, 1926.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Wire fencing and particularly woven-wire fencing. 211,753; Apr. 20; Serial No. 224,372; published Jan. 26, 1926.

American Transformer Company, Newark, N. J. Choke coil or impedance in filter circuits of electrical apparatus. 211,850; Apr. 20; Serial No. 220,934; published Jan. 26, 1926.

Anderson, William, Menominee, Mich. Rubber inner-tube patches. 211,732; Apr. 20; Serial No. 223,361; published Feb. 2, 1926.

Ands. Koch A.-G., Trossingen, Germany. Mouth organs. 211,771; Apr. 20; Serial No. 203,997; published Jan. 19, 1926.

Ands. Koch A.-G., Trossingen, Germany. Mouth organs, accordions, harmonica flutes, etc. 211,772–3; Apr. 20; Serial Nos. 203,998–9; published Jan. 12, 1926.

Ands. Koch A.-G., Trossingen, Germany. Mouth organs accordions, melodeons, etc. 211,786–7; Apr. 20; Serial Nos. 204,000–1; published Jan. 12, 1926.

Apex Stamping Company, Riverdale, Ill. Antennæ for radio apparatus. 211,879; Apr. 20; Serial No. 222,656; published Jan. 5, 1926.

Appleton Company, Lowell, Mass. Wool and cotton piece goods. 211,811; Apr. 20; Serial No. 225,546; published Feb. 9, 1926.

Arch-Craft Shoe Shop. (See Cook, Benjamin.)

Argus Radio Corporation, New York, N. Y. Radio receiving sets. 211,780; Apr. 20; Serial No. 211,965; published Jan. 19, 1926.

Arning, Vic, Knoxville, Tenn. Periodical magazine. 211,848; Apr. 20; Serial No. 222,362; published Feb. 2, 1926.

Arrow Film Corporation, New York, N. Y. Lithographs, photographs, advertising cuts and mats, and press books. 211,705; Apr. 20; Serial No. 169,998; published Feb. 9, 1926.

Arrow Gauge and Valve Co. Inc., Brooklyn, N. Y. Metal electric lamps. 211,932; Apr. 20; Serial No. 223,986; published Feb. 2, 1926.

Atlas Publishing Company, Inc., New York, N. Y. Weekly magazine. 211,876; Apr. 20; Serial No. 222,725; published Feb. 9, 1926.

Avri Drug & Chemical Company, Jersey City, N. J. Medicinal compound for the treatment of constipation. 211,735; Apr. 20; Serial No. 223,617; published Jan. 26, 1926.

Bagshaw, W. H., Co., Lowell, Mass. Styli for use with phonographic apparatus. 211,882; Apr. 20; Serial No. 222,493; published Jan. 19, 1926.

Bailey & Company, Inc., Atlanta, Ga. Radio receiving sets, loud speakers, radio telephone receivers, etc. 211,795; Apr. 20; Serial No. 223,895; published Feb. 2, 1926.

Bailey, William A., Portland, Oreg. Shoe oil. 211,915; Apr. 20; Serial No. 224,492; published Feb. 9, 1926.

Baker, James B., Sioux City, Iowa. Oil burners. 212,010; Apr. 20.

Baltimore Distilling Co., Baltimore, Md. Whisky. 211,801; Apr. 20; Serial No. 224,540; published Feb. 9, 1926.

Banner Wholesale Grocery Co., Chicago, Ill. Canned vegetables, fish, and fruit. 211,797; Apr. 20; Serial No. 223,992; published Feb. 9, 1926.

Baskin Brothers, New York, N. Y. Finger rings and finger-ring mountings. 211,846; Apr. 20; Serial No. 221,735; published Jan. 12, 1926.

Bates, A. J., Company, Webster, Mass. Shoes of leather, rubber, fabric, or of combinations of these materials. 211,025; Apr. 20; Serial No. 143,086; published Feb. 2, 1926.

Beaumont-Hamshire Fig Company, Beaumont, Tex. Figs, fresh, canned, and preserved. 211,964; Apr. 20; Serial No. 213,612; published Feb. 9, 1926.

Becker, Edw. M., Company, The, Cleveland, Ohio. Candy. 211,921; Apr. 20; Serial No. 224,227; published Feb. 9, 1926.

Bentley Harris Mfg. Co., Conshohocken, Pa. Electrical insulation. 211,778; Apr. 20; Serial No. 209,612; published Jan. 19, 1926.

Berg, F. & Co., Norwalk, Conn. Felt hats for men. 211,788; Apr. 20; Serial No. 223,834; published Feb. 2, 1926.

Best & Co., Inc., New York, N. Y. Umbrellas. 211,727; Apr. 20; Serial No. 223,250; published Feb. 2, 1926.

Blog Shoe Finding Co. Inc., New York, N. Y. Children's leather shoes. 211,794; Apr. 20; Serial No. 223,891; published Feb. 2, 1926.

Bolotin & Sheinin, Chicago, Ill. Gold and platinum finger rings. 211,888; Apr. 20; Serial No. 222,303; published Jan. 19, 1926.

Brand, William, & Company, New York, N. Y. Hard paper sheets impregnated with phenol condensation product for electrical insulations. 211,714; Apr. 20; Serial No. 201,739; published Feb. 2, 1926.

Brown, Charles H., New York, N. Y. Leather and canvas boots and shoes. 211,399; Apr. 20; Serial No. 215,501; published Feb. 2, 1926.

Bruno, C., & Sons, Inc., New York, N. Y. String instruments. 211,990; Apr. 20.

Bullock, Henry E., Chicago, Ill. Tractors. 211,979; Apr. 20.

Bunting Publications, Inc., The, Waukegan, Ill. Publication issued monthly. 211,728; Apr. 20; Serial No. 223,365; published Feb. 2, 1926.

Cable Company, The, Chicago, Ill. Pianos. 211,935; Apr. 20; Serial No. 223,898; published Jan. 26, 1926.

Cake Cone Co., Inc., St. Louis, Mo. Pastry wafers. 211,713; Apr. 20; Serial No. 201,429; published Sept. 29, 1925.

Camera Craft Publishing Company, San Francisco, Calif. Monthly magazine. 211,855; Apr. 20; Serial No. 223,501; published Feb. 9, 1926.

Candy Products Company, Portland, Oreg. Candy. 211,729; Apr. 20; Serial No. 223,368; published Jan. 19, 1926.

Capital Mortgage Corporation, Chicago, Ill. Real-estate first-mortgage bonds. 211,760; Apr. 20; Serial No. 224,499; published Feb. 2, 1926.

Carillon Radio Co., Inc., Essex, N. Y. Radio receiving sets. 211,919; Apr. 20; Serial No. 224,320; published Feb. 2, 1926.

Carson Pirie Scott & Co., Chicago, Ill. Pearls and pearl necklaces. 211,715; Apr. 20; Serial No. 201,882; published Jan. 12, 1926.

Carter Radio Co., Chicago, Ill. Radio plugs, jacks, switches, loops, etc. 211,862; Apr. 20; Serial No. 223,370; published Feb. 2, 1926.

Chase Metal Works, Waterbury, Conn. Brass and other pipe and tubing. 211,891; Apr. 20; Serial No. 224,001; published Feb. 9, 1926.

Chemical Treatment Company, Inc., New York, N. Y. Electric wire, electric contact pieces, core and armature parts, etc. 211,707; Apr. 20; Serial No. 219,805; published Jan. 26, 1926.

Cherry, J. G., Company, Cedar Rapids, Iowa. Machines for pasteurizing and ripening milk, ice-cream-brick cutters, churns, sanitary vats, etc. 212,021; Apr. 20.

Childs, H., & Co. Inc., Pittsburgh, Pa. Shoes. 211,800; Apr. 20; Serial No. 224,178; published Feb. 2, 1926.

Clean-Heat Appliance Company. (See Shoenberg, Milton H.)

Clemens, E. Horst, Co., San Francisco, Calif. Hops. 211,999; Apr. 20.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 211,971; Apr. 20.

Colonial Drug & Sales Co., Denver, Colo. Antifreezing compound for radiators. 211,763; Apr. 20; Serial No. 224,277; published Feb. 2, 1926.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph records, phonograph apparatus for recording and reproducing sounds, etc. 211,835; Apr. 20; Serial No. 221,095; published Jan. 12, 1926.

Columbus Vending Company, The, Columbus, Ohio. Vending machine. 211,712; Apr. 20; Serial No. 200,612; published May 19, 1925.

Comprex Oscillator Corp., New York, N. Y. Electric trouble lamps. 211,812; Apr. 20; Serial No. 221,808; published Jan. 19, 1926.

Consolidated Battery Company, Buffalo, N. Y., and Philadelphia, Pa. Electric batteries. 211,878; Apr. 20; Serial No. 222,665; published Jan. 26, 1926.
Consumers' Wholesale Supply Company, Minneapolis, Minn. Groceries. 211,980; Apr 20.
Cook, Benjamin, doing business as Arch-Craft Shoe Shop, New York, N. Y. Shoes. 211,790; Apr. 20; Serial No. 223,622; published Feb. 2, 1926.
Coykendall, Inc., Berkeley, Calif. Canned fruits and dried fruits and canned vegetables. 211,897; Apr. 20; Serial No. 221,241; published Feb. 9, 1926.
Crawford, Caleb, Company. (See American Chicle Company, assignor.)
Cross-Fanning Manufacturing Company, Houston, Tex. Writing inks. 211,689; Apr. 20; Serial No. 220,336; published Jan. 19, 1926.
Crouch, Lee D., Oneonta, N. Y. Radio receiving sets. 211,901; Apr. 20; Serial No. 220,274; published Jan. 26, 1926.
Davidson, M. H., Company, The, New Haven, Conn. Blank pads, blank booklets, ruled booklets, etc. 211,686; Apr. 20; Serial No. 221,481; published Feb. 9, 1926.
Diamond, Samuel, New York, N. Y. Dry batteries. 211,721; Apr. 20; Serial No. 195,504; published Feb. 2, 1926.
Dietzen, Jesse A., Frankton, Ind. Bread. 211,741; Apr. 20; Serial No. 223,506; published Jan. 26, 1926.
Dodman, A. C., Jr., Inc., Hoboken, N. J. Wall paper. 211,962; Apr. 20; Serial No. 223,772; published Feb. 9, 1926.
Dorfan Company, The. (See Forchheimer, Milton.)
Drew Pharmacal Co., The. (See Schibener, Charles F.)
Dubilier Condenser & Radio Corporation, New York, N. Y. Electrical resistors. 211,865; Apr. 20; Serial No. 223,287; published Jan. 12, 1926.
Duplex Condenser & Radio Corporation, Brooklyn, N. Y. Condensers. 211,796–7; Apr. 20; Serial Nos. 218,689–90; published Jan. 5, 1926.
Durinick, Henry B., New York, N. Y. Combination electric radiocabinet shade and table lamp. 211,782; Apr. 20; Serial No. 214,859; published Jan. 19, 1926.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Pressure tanks. 211,899; Apr. 20; Serial No. 220,506; published Feb. 9, 1926.
E. & H. Bottling Co., Baltimore, Md. Beverages sold as soft drinks. 211,750; Apr. 20; Serial No. 224,238; published Feb. 2, 1926.
Earl Fruit Company, Spokane, Wash. Fresh apples. 211,823; Apr. 20; Serial No. 223,221; published Jan. 19, 1926.
Electric Service Shop. (See Rinkenberger, Herman.)
Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. 211,918; Apr. 20; Serial No. 224,324; published Feb. 2, 1926.
Electrical Research Laboratories, Chicago, Ill. Radio electrical appliances. 211,774; Apr. 20; Serial No. 205,159; published Feb. 2, 1926.
Electrical Research Laboratories, Inc., Chicago, Ill. Radiocondensers, radio receiving sets, aerial equipment, etc. 211,954; Apr. 20; Serial No. 223,698; published Jan. 19, 1926.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, tuning units, dials, etc. 211,986; Apr. 20.
Elgin Silversmith Co., New York, N. Y. Candlesticks, vases, bowls, etc. 211,904; Apr. 20; Serial No. 218,250; published Feb. 2, 1926.
Emmerich, Chas., & Co., Chicago, Ill. Pillows. 211,755; Apr. 20; Serial No. 225,009; published Feb. 2, 1926.
Everett Fruit Products Company, Everett, Wash. Canned berries, fruits, and vegetables. 211,719; Apr. 20; Serial No. 194,168; published Jan. 27, 1926.
Fairfacts Company, Inc., The, New York, N. Y. Containers for electric heaters, and in particular wall recesses for electric heaters for bathrooms. 211,722; Apr. 20; Serial No. 195,810; published Feb. 2, 1926.
Fairfield Manufacturing Co., Portland, Me. Ice boxes and refrigerators. 211,946; Apr. 20; Serial No. 191,062; published Feb. 9, 1926.
Fishbein & Kaplan, New York, N. Y. Children's hats. 211,944; Apr. 20; Serial No. 193,997; published June 16, 1925.
Forbes, Alexander J., doing business as Uncle Al's Radio Shop, Oakland, Calif. Crystal radio receiving sets and parts thereof. 211,777; Apr. 20; Serial No. 208,749; published Feb. 2, 1926.
Forbush Shoe Company, The, Grafton, Mass. Leather Shoes. 211,817; Apr. 20; Serial No. 222,318; published Feb. 2, 1926.
Forchheimer, Milton, doing business as The Dorfan Company, Newark, N. J. Toy locomotives, parts of toy locomotives, and sets of toy locomotive parts. 211,861; Apr. 20; Serial No. 223,381; published Jan. 19, 1926.
Ford Radio & Mica Corporation, New York, N. Y. Radiotransformers. 211,844; Apr. 20; Serial No. 221,813; published Jan. 19, 1926.
Forest Electric Co., Inc., Newark, N. J. Battery chargers, rectifiers, and filtering devices. 211,872; Apr. 20; Serial No. 221,548; published Jan. 26, 1926.
Forst, Jacob, Packing Company, Inc., Kingston, N. Y. Ham, bacon, sausages, smoked beef, and pork. 211,928; Apr. 20; Serial No. 214,542; published Feb. 9, 1926.
Forstner Chain Corporation, Irvington, N. J. Ornamental chains, finger rings, scraf pins, etc., all made of or plated with precious metal. 212,015; Apr. 20.
Fralick, S. R., & Company, Chicago, Ill. Fixture studs. 212,018; Apr. 20.
Franklin Porcelain Company, Norristown, Pa. Electrical insulators. 211,881; Apr. 20; Serial No. 222,502; published Feb. 2, 1926.
Frey Bros., Lodi, Calif. Fresh grapes. 211,940; Apr. 20; Serial No. 205,521; published Feb. 9, 1926.
Friedlander-Kopple Radio Service, New York, N. Y. B batteries, also A batteries, loud-speaker horns, phones, etc. 211,779; Apr. 20; Serial No. 211,263; published Jan. 19, 1926.
Gates, Mills & Driscoll, Inc., Johnstown, N. Y. Gloves. 211,828; Apr. 20; Serial No. 223,435; published Feb. 2, 1926.
General Phonograph Corporation of Canada, Ltd., Kitchener, Ontario, Canada. Mechanical motor for talking machines or phonographs or other like musical instruments. 211,930; Apr. 20; Serial No. 213,233; published Feb. 2, 1926.
Gillett Canning Company, Gillett, Wis. Canned peas, beans, and beets. 211,800; Apr. 20; Serial No. 224,012; published Feb. 9, 1926.
Gimbel Brothers, Inc., New York, N. Y.; Philadelphia, Pa.; and Milwaukee, Wis. Radio receiving sets. 211,856; Apr. 20; Serial No. 223,474; published Jan. 19, 1926.
Gimbel Brothers, Inc., New York, N. Y.; Philadelphia, Pa.; and Milwaukee, Wis. Radio receiving sets. 211,857; Apr. 20; Serial No. 223,472; published Jan. 19, 1926.
Ginsburg, Hyman W., doing business as Graceline Stout Dress Co., New York, N. Y. Ladies' costumes in one, two, and three piece garments. 211,701; Apr. 20; Serial No. 213,780; published Feb. 2, 1926.
Goerdes, Fred. W., Co., Newark, N. J. Sets of complete radio receiving apparatus and parts thereof. 211,883; Apr. 20; Serial No. 222,451; published Feb. 2, 1926.
Goertz, August, & Co., Inc., Newark, N. J. Vernier controls for radio instruments, etc. 211,783; Apr. 20; Serial No. 215,566; published Jan. 26, 1926.
Gold, Harry, Baltimore, Md. Bread, biscuits, and cakes. 211,744; Apr. 20; Serial No. 224,015; published Jan. 26, 1926.
Golden Nugget Sweets, San Francisco, Calif. Candy. 211,730; Apr. 20; Serial No. 223,384; published Jan. 26, 1926.
Goldman, Nathan, doing business as Tectron Radio Co., New York, N. Y. Vacuum tubes for radio receiving apparatus. 211,831; Apr. 20; Serial No. 220,021; published Jan. 26, 1926.
Goldstein-Wilkins Corporation, New York, N. Y. Textile fabrics. 211,808; Apr. 20; Serial No. 225,414; published Feb. 9, 1926.
Goudey Gum Co., The, Allston, Mass. Chewing gum. 211,809–10; Apr. 20; Serial Nos. 225,415–16; published Feb. 9, 1926.
Graceline Stout Dress Co. (See Ginsburg, Hyman W.)
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Flat silver-plated tableware. 211,849; Apr. 20; Serial No. 220,948; published Jan. 12, 1926.
Groetken, Joseph J., doing business as Peter Pan Copying Ink Company, Aurora, Ill. Copying ink for reproducing pictures or designs. 211,851; Apr. 20; Serial No. 220,846; published Jan. 19, 1926.
Grosser, B., Sons, Inc., Boston, Mass. Variable air condensers. 211,776; Apr. 20; Serial No. 207,674; published May 26, 1925.
H. & W. Company, The, Newark, N. J. Bandeaux, girdles, and belts. 211,822; Apr. 20; Serial No. 223,120; published Feb. 2, 1926.
Hahn & Livingston Packing Co., Exeter, Calif. Fresh grapes. 211,898; Apr. 20; Serial No. 221,007; published Feb. 9, 1926.
Hamilton Autographic Register Co., The, Hamilton, Ohio. Autographic registers and printed stationery in reelwound form for use in autographic registers. 212,013; Apr. 20.
Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 211,789; Apr. 20; Serial No. 223,783; published Feb. 2, 1926.
Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 211,813; Apr. 20; Serial No. 221,824; published Feb. 2, 1926.
Hartmann, Carl H., Co., Inc., The, New York, N. Y. Fruit paste for bakers' and confectioners' use. 211,798; Apr. 20; Serial No. 224,022; published Feb. 2, 1926.
Hawley & Hoops, New York, N. Y. Candy. 211,768; Apr. 20; Serial No. 202,112; published Jan. 6, 1925.
Hazeltine Corporation, Jersey City, N. J. Coils for use in radio and electrical apparatus. 211,799; Apr. 20; Serial No. 224,090; published Feb. 2, 1926.
Heintz Art Metal Shop, The, Buffalo, N. Y. Metal art goods. 211,694; Apr. 20; Serial No. 219,033; published Feb. 9, 1926.
Heller, L., & Son, Inc., New York, N. Y. Strings of pearls and reproductions of pearls or imitations thereof. 211,710; Apr. 20; Serial No. 200,495; published Jan. 5, 1926.
Hewitt, Charles, & Sons Co., Des Moines, Iowa. Canned vegetables and fruits, fruit jams, etc. 211,688; Apr. 20; Serial No. 220,532; published Jan. 26, 1926.

Hillebrandt, Johan E., West Brighton, N. Y. Violins, mandolins, guitars, etc. 211,784; Apr. 20; Serial No. 216,677; published Jan. 5, 1926.
Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 211,690–1; Apr. 20; Serial Nos. 219,743–4; published Feb. 9, 1926.
Hoffman, Charles, New York, N. Y. Dresses. 211,984; Apr. 20.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 211,804; Apr. 20; Serial No. 224,706; published Feb. 9, 1926.
Holland, Albert H., Petersburg, Ohio. Automobile top dressing. 211,736; Apr. 20; Serial No. 223,642; published Feb. 2, 1926.
Holorib, Incorporated, Cleveland, Ohio. Metal sheets for building purposes. 212,002; Apr. 20.
Honolulu Dairymen's Association, Ltd., doing business as Mid-Pacific Candy Factory, Honolulu, Hawaii. Candies. 212,014; Apr. 20.
Hopper, M. D., Fresno, Calif. Fresh grapes. 211,900; Apr. 20; Serial No. 220,303; published Feb. 9, 1926.
Howard Radio Company, Chicago, Ill. Telephone plugs, rheostats, switches, etc. 211,893; Apr. 20; Serial No. 221,611; published Jan. 19, 1926.
Hydrox Chemical Co., Chicago, Ill. Peroxide of hydrogen. 211,989; Apr. 20.
Illinois Watch Case Company, Elgin, Ill. Watch movements and watchcases. 211,955–8; Apr. 20; Serial Nos. 223,718–21; published Jan. 26, 1926.
Illinois Watch Case Company, Elgin, Ill. Watch movements and watchcases. 211,959; Apr. 20; Serial No. 223,723; published Jan. 26, 1926.
Illinois Watch Case Company, Elgin, Ill. Watch movements and watchcases. 211,960–1; Apr. 20; Serial Nos. 223,725–6; published Jan. 26, 1926.
Illinois Watch Case Company, Elgin, Ill. Watch movements and watchcases. 212,012; Apr. 20.
Industria Chimica Lugano J. Spohr. (See Spohr, J.)
Juburg Brothers, Inc., New York, N. Y. Oleomargarine. 211,873; Apr. 20; Serial No. 221,489; published Dec. 15, 1925.
Jack Frost Beverage Company, Monaca, Pa. Battery water. 211,924; Apr. 20; Serial No. 224,093; published Feb. 9, 1926.
Jacob, Milton H., Pittsburgh, Pa. Radio receiving sets. 211,926; Apr. 20; Serial No. 223,846; published Feb. 2, 1926.
Jacobsen-Hodgkinson Corporation, New York, N. Y. Series of monthly publications. 211,754; Apr. 20; Serial No. 223,174; published Jan. 12, 1926.
Jaffe Bros., Philadelphia, Pa. Blue-serge suits for men (special brand). 211,743; Apr. 20; Serial No. 223,963; published Feb. 2, 1926.
Janssen Piano Co., Inc., New York, N. Y. Player pianos. 211,920; Apr. 20; Serial No. 224,283; published Feb. 2, 1926.
Jewel Emblem Mfg. Co., Chicago, Ill. Class pins and finger rings, emblems, lodge pins, etc. 212,019; Apr. 20.
Johnson, Charles A., San Francisco, Calif. Shoe soles. 211,905; Apr. 20; Serial No. 218,012; published Feb. 2, 1926.
Johnson, E. P., Piano Co., Elgin, Ill. Pianos and player pianos. 212,022; Apr. 20.
K. B. Malt Co., Bay City, Mich. Malt sirup for food purposes. 211,968–9; Apr. 20.
Kageyama, Tetsujiro, doing business as Kageyama & Co., San Francisco, Calif. Tea. 211,867; Apr. 20; Serial No. 223,094; published Feb. 9, 1926.
Kaufman, Harry G., doing business as Kaufman Manufacturing Co., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 211,847; Apr. 20; Serial No. 221,707; published Jan. 19, 1926.
Kenfield, William, doing business as The Keystone Products Company, Royal Oak, Mich. Radio detector crystals. 211,880; Apr. 20; Serial No. 222,507; published Feb. 2, 1926.
Kennison, Willis E., doing business as W. E. Kennison Co., Providence, R. I. Bracelets, necklaces, snaps, earrings, etc. 211,864; Apr. 20; Serial No. 223,305; published Jan. 5, 1926.
Keuffel & Esser Company, Hoboken, N. J. Tracing paper 211,839–41; Apr. 20; Serial Nos. 223,524–6; published Feb. 9, 1926.
Keystone Products Company, The. (See Kenfield, William.)
Kimberly-Clark Company, Neenah, Wis. Milk strainers. 211,758; Apr. 20; Serial No. 224,823; published Feb. 2, 1926.
Kingman and Walton, Boston, Mass. Monthly magazine. 211,731; Apr. 20; Serial No. 223,390; published Feb. 2, 1926.
Kissel, Jull, Milwaukee, Wis. Corn salve. 211,991; Apr. 20.
Knewitz, Gerhard, East St. Louis, Ill. Castor oil. 211,762; Apr. 20; Serial No. 224,337; published Feb. 2, 1926.
Knollenberg Milling Company, Quincy, Ill. Wheat flour. 211,748; Apr. 20; Serial No. 224,192; published Feb. 2, 1926.
Kodel Manufacturing Company, The, Cincinnati, Ohio. Radio receiving sets. 211,709; Apr. 20; Serial No. 197,668; published Aug. 26, 1924.
Kroger Grocery & Baking Co., Cincinnati, Ohio. Leaf lard and meats. 211,820; Apr. 20; Serial No. 222,682; published Feb. 9, 1926.
La Guardia Publishing Co. Inc., New York, N. Y. Periodical published weekly. 211,759; Apr. 20; Serial No. 224,609; published Jan. 19, 1926.
Lake Ariana Packing Co., Inc., Auburndale, Fla. Fresh oranges, tangerines, tangelos, lemons, limes, etc. 211,819; Apr. 20; Serial No. 222,511; published Feb. 9, 1926.
Landin, Emil E., Chicago, Ill. Interliners for automobile tires. 211,974; Apr. 20.
Le Bron, Frank, New York, N. Y. Tableware, hollow tableware, toilet articles, and jewelry. 211,939; Apr. 20; Serial No. 209,996; published Feb. 2, 1926.
Leggett, Francis H., & Company, New York, N. Y. Canned vegetables. 211,907; Apr. 20; Serial No. 217,163; published Dec. 29, 1925.
Leland Electric Co., The, Dayton, Ohio. Electric motors and generators. 211,877; Apr. 20; Serial No. 222,685; published Feb. 2, 1926.
Liberty Transformer Co., Inc., Chicago, Ill. Transformers. 211,834; Apr. 20; Serial No. 221,555; published Jan. 19, 1926.
Lippmann, Spier & Hahn, New York, N. Y. Jewelry and purses. 211,936; Apr. 20; Serial No. 223,851; published Jan. 19, 1926.
Long's Hat Stores, New York, N. Y. Men's hats. 211,909; Apr. 20; Serial No. 216,191; published Feb. 2, 1926.
Lord & Taylor, New York, N. Y. Shoes of leather. 211,975; Apr. 20.
Lowell-Thomas Shoe Corporation, Newburyport, Mass. Leather shoes. 211,826; Apr. 20; Serial No. 223,396; published Feb. 2, 1926.
MacDonough, George M., Jacksonville, Fla. Annual magazines. 211,764; Apr. 20; Serial No. 224,256; published Jan. 19, 1926.
Magnet Knitting Mills, Clinton, Tenn. Hosiery. 211,977; Apr. 20.
Maison Cyber. (See Toboul, R.)
Manhattan Band Instrument Co., Inc., New York, N. Y. Ukuleles and banjo ukuleles. 211,871; Apr. 20; Serial No. 222,930; published Jan. 12, 1926.
Manning, William T., Waterbury, Conn. Stationery forms, comprising commercial letterheads, mailing envelopes, etc. 211,845; Apr. 20; Serial No. 221,749; published Feb. 9, 1926.
Marbenk Co., New York, N. Y. Candies. 211,941; Apr. 20; Serial No. 204,664; published Feb. 9, 1926.
Marsden, J. E., Glass Works, Inc., Ambler, Pa. Glassware. 212,003; Apr. 20.
Marsh, Chester A., Bay City, Mich. Tire cement. 211,749; Apr. 20; Serial No. 224,197; published Feb. 2, 1926.
McClintock-Field Co. Inc., Ashland, Ky. Hosiery. 211,972; Apr. 20.
McKim Electric Company, Chicago, Ill. Electrical haircutting machines. 211,985; Apr. 20.
Metro Electric Co., Chicago, Ill. Complete radio receiving sets, etc. 211,923; Apr. 20; Serial No. 224,102; published Feb. 2, 1926.
Metropole Hosiery Mills, Inc. (See Pick, Sydney M., assignor.)
Mexican Pecan Candy Co., Dallas, Tex. Candy and candy preparations. 211,791; Apr. 20; Serial No. 223,586; published Feb. 9, 1926.
Michaud, Eugenie, New Bedford, Mass. Medicine used in the treatment of bronchitis, asthma, and old lingering colds. 211,967; Apr. 20.
Mid-Pacific Candy Factory. (See Honolulu Dairymen's Association, Ltd.)
Millen, James R., Detroit, Mich. Children's carriages. 212,011; Apr. 20.
Miller Bros. Hat Co. Inc., New York, N. Y. Men's hats. 211,908; Apr. 20; Serial No. 216,686; published Feb. 2, 1926.
Mills Corset Company, Worcester, Mass. Combination one-piece bandeau and girdle. 211,910; Apr. 20; Serial No. 216,065; published Feb. 2, 1926.
Modern Laundry Manufacturing Company, Kansas City, Mo. Clothes or laundry washing machines. 211,824; Apr. 20; Serial No. 223,249; published Feb. 2, 1926.
Modern Publications, Inc., Camden, N. J. Weekly magazine. 211,761; Apr. 20; Serial No. 224,415; published Jan. 19, 1926.
Moore, Edward T., Syracuse, N. Y. Electric control of the power demand and peak loads in electric power circuits. 211,875; Apr. 20; Serial No. 222,753; published Jan. 26, 1926.
Moran, Mark, Seattle, Wash. Continuous-feed device for dispensing writing paper. 211,696; Apr. 20; Serial No. 218,714; published Feb. 9, 1926.
Morgan, J. G., & Company, New York, N. Y. Electrically-illuminated transparency display signs. 211,770; Apr. 20; Serial No. 202,756; published Feb. 2, 1926.
Morning Telegraph Company, New York, N. Y. Nom de plume for particular column of news in newspaper. 211,902; Apr. 20; Serial No. 219,546; published Nov. 24, 1925.
Morris, Norman M., New York, N. Y. Watch and clock cases, movements, dials, and parts thereof. 211,863; Apr. 20; Serial No. 223,317; published Jan. 19, 1926.

Mueller Electric Company, Cleveland, Ohio. Connecting clips. 211,866; Apr. 20; Serial No. 223,100; published Feb. 2, 1926.
Mullikin, Wm. T., Co., Inc., Philadelphia, Pa. Peanut butter. 212,005; published Apr. 20.
Musical Specialties Company, Inc., Elkhart, Ind. Banjo ukulele. 211,870; Apr. 20; Serial No. 222,936; published Jan. 12, 1926.
Mutual Creamery Company, Los Angeles, Calif. Eggs. 211,745; Apr. 20; Serial No. 224,035; published Jan. 26, 1926.
National Tire & Rubber Company, The, East Palestine, Ohio. Nonmetallic pneumatic tires. 211,725; Apr. 20; Serial No. 223,252; published Feb. 2, 1926.
Neuhoff, Fred B., Company, Los Angeles, Calif. Canned fruits and vegetables. 211,807; Apr. 20; Serial No. 224,825; published Feb. 9, 1926.
New England Trunk Co., Everett, Mass. Suitcases. 211,740; Apr. 20; Serial No. 223,444; published Jan. 26, 1926.
Newport Rolling Mill Co., Newport, Ky. Corrugated culverts, plain conductor pipes, corrugated conductor pipes, etc. 211,692; Apr. 20; Serial No. 219,343; published Feb. 9, 1926.
Niagara Metal Weather Strip Co., Buffalo, N. Y. Hygienic ventilators. 212,004; Apr. 20.
North Whittier Heights Citrus Association, Puente, Calif. Fresh oranges, lemons, and grapefruit. 212,009; Apr. 20.
Northwest Paper Company, The, Cloquet, Minn. Envelope paper. 211,843; Apr. 20; Serial No. 222,134; published Feb. 9, 1926.
Northwestern Fisheries Company, Chicago, Ill. Canned salmon. 211,708; Apr. 20; Serial No. 195,828; published Sept. 16, 1924.
Olmstead Corporation, Springfield, Mass. Corsets, girdles, and underwear for women and children. 211,821; Apr. 20; Serial No. 222,938; published Feb. 2, 1926.
Oswego Rayon Corporation, Oswego, N. Y. Lingerie or women's underwear, vests, bloomers, etc. 211,742; Apr. 20; Serial No. 223,938; published Feb. 2, 1926.
Parker-Regan Mfg. Co., San Francisco, Calif. Mops. 211,987; Apr. 20.
Pego y Ca., S. en C., Habana, Cuba. Cigars, cigarettes, and cut tobacco. 211,718; Apr. 20; Serial No. 185,670; published Dec. 8, 1925.
Pelling, Stanley & Co., Ltd., Liverpool, England. Canned fruits. 211,769; Apr. 20; Serial No. 206,637; published Dec. 8, 1925.
Perryman Electric Company, Inc., New York N. Y. Vacuum tubes. 211,874; Apr. 20; Serial No. 222,762; published Jan. 26, 1926.
Peter Pan Copying Ink Company. (See Groetken, Joseph J.)
Philadelphia Jobbing Confectioners' Association, The, Philadelphia, Pa. Candy. 211,887; Apr. 20; Serial No. 222,340; published Feb. 9, 1926.
Phillips Bros. & Co., Baltimore, Md. Cotton, woolen, linen, and silk goods and rayon materials. 211,996; Apr. 20.
Pick, Sydney M., doing business as Ultra Smart Hosiery Service, New York, N. Y., assignor to Metropole Hosiery Mills, Inc., New York, N. Y. Hosiery. 211,698; Apr. 20; Serial No. 217,363; published Jan. 5, 1926.
Pierre, Dr., Chemical Co., Chicago, Ill. Nerve tablets. 212,016; Apr. 20.
Pilcher, J. V., doing business as J. V. Pilcher Mfg. Co., Louisville, Ky. Separable cuff buttons. 211,702; Apr. 20; Serial No. 210,315; published June 23, 1925.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 211,992; Apr. 20.
Pilot Electric Manufacturing Company, Inc., The, Brooklyn, N. Y. Resistance elements. 211,706; Apr. 20; Serial No. 218,775; published Jan. 19, 1926.
Pilot Electric Manufacturing Company, Inc., The, Brooklyn, N. Y. Potentiometers and rheostats. 211,830; Apr. 20; Serial No. 220,035; published Jan. 19, 1926.
Plumbers Trade Journal Publishing Co., New York, N. Y. Monthly magazine. 211,747; Apr. 27; Serial No. 224,149; published Jan. 19, 1926.
Pocahontas Oil Company, The, Cleveland, Ohio. Gasoline. 211,885; Apr. 20; Serial No. 222,394; published Dec. 22, 1925.
Pollard, W. H., Memphis, Tenn. Canned fruits and vegetables; canned, condensed, and evaporated milk, etc. 211,894–5; Apr. 20; Serial Nos. 221,450–1; published Feb. 2, 1926.
Porter-Langtry Company, Chicago, Ill. Title for a magazine news section. 211,746; Apr. 20; Serial No. 224,046; published Jan. 26, 1926.
Premier Grand Piano Corporation, New York, N. Y. Combined grand pianos and radio receiving sets, grand pianos combinable with radio receiving sets, and grand pianos parts of which are used as parts of radio receiving sets. 212,006; Apr. 20.
Press Publishing Company, New York, N. Y. Title of a daily comic strip in Evening World newspaper. 211,963; Apr. 20; Serial No. 223,802; published Feb. 9, 1926.
Price-Hollister Co., The, Rockford, Ill. Transmission for motor vehicles. 211,695; Apr. 20; Serial No. 218,827; published Sept. 29, 1925.
Primo Spark Plug Company, Butte, Mont. Spark plugs. 211,838; Apr. 20; Serial No. 223,603; published Jan. 19, 1926.
Prince Dried Fruit Co., New York, N. Y. Dried fruits. 211,896; Apr. 20; Serial No. 221,029; published Feb. 9, 1926.
Pro-Lac Milling Company, The, Des Moines, Iowa. Prepared stock food. 211,751; Apr. 20; Serial No. 224,293; published Feb. 2, 1926.
Purity Baking Co., St. Paul, Minn. Bread. 211,945; Apr. 20; Serial No. 193,420; published Oct. 28, 1924.
Queen Ribbon & Carbon Co., New York, N. Y. Typewriter ribbons and carbon papers. 211,853; Apr. 20; Serial No. 220,464; published Jan. 5, 1926.
Quinn, William C., Everett, Mass. Title for cartoons in newspaper publications. 211,733; Apr. 20; Serial No. 223,410; published Jan. 19, 1926.
Rao-Ad Company, Alhambra, Calif. Electrically-operated advertising devices. 211,884; Apr. 20; Serial No. 222,399; published Jan. 26, 1926.
Raymond, Ray R., New York, N. Y. Radio receiving sets and/or parts and/or attachments pertaining to the same. 211,965; Apr. 20.
Record-O-Phone Company, Washington, D. C. Machines for electromagnetically recording and reproducing sound. 211,775; Apr. 20; Serial No. 205,837; published Dec. 29, 1925.
Record-O-Phone Company, Washington, D. C. Machines for electrically recording and reproducing sound. 211,858; Apr. 20; Serial No. 223,413; published Feb. 2, 1926.
Record-O-Phone Company, Washington, D. C. Machines for electrically recording and reproducing sound. 211,859–60; Apr. 20; Serial Nos. 223,411–12; published Feb. 2, 1926.
Reichmann Company, Chicago, Ill. Radio receiving sets, parts thereof, and loop antennæ therefor. 211,950; Apr. 20; Serial No. 223,604; published Feb. 2, 1926.
Richards, Ernest W., Durango, Colo. Automobile top dressings. 211,912; Apr. 20; Serial No. 225,036; published Feb. 9, 1926.
Richardson, Jacob, New York, N. Y. Silver, nickel, and brass polishes. 211,734; Apr. 20; Serial No. 223,605; published Feb. 2, 1926.
Rinkenberger, Herman, doing business as Electric Service Shop, Bradford, Ill. Radio receiving sets, loud speakers, and radio parts. 211,852; Apr. 20; Serial No. 220,472; published Feb. 2, 1926.
Rolscreen Company, Des Moines, Iowa. Window screens. 211,966; Apr. 20.
Rose, Evelyn, doing business as Taxi Meter Publishing Co., Brooklyn, N. Y. Weekly periodical. 211,737; Apr. 20; Serial No. 223,660; published Jan. 19, 1926.
Runchey Grip Mfg. Co., San Francisco, Calif. Leather grips for golf clubs and tennis rackets. 211,938; Apr. 20; Serial No. 210,810; published Feb. 9, 1926.
S. L. Products Company, Philadelphia, Pa. Apparatus for waxing and polishing floors and floor coverings. 211,927; Apr. 20; Serial No. 214,977; published July 28, 1925.
Saul, Marcus, Inc., New York, N. Y. Frocks, dresses, coats, and suits. 211,973; Apr. 20.
Scharf, Jacob S., doing business as J. S. Scharf, New York, N. Y. Electric lamp usable also for cooking, etc. 211,934; Apr. 20; Serial No. 223,944; published Feb. 2, 1926.
Schibener, Charles F., doing business as The Drew Pharmacal Co., Buffalo, N. Y., and Toronto, Canada. Preparation for the digestive organs and the liver. 211,752; Apr. 20; Serial No. 224,296; published Feb. 2, 1926.
Schreiber Products Corporation, Buffalo, N. Y. Dried malt extract for food purposes. 211,723; Apr. 20; Serial No. 223,196; published Jan. 26, 1926.
Schulze, Paul, Biscuit Company, Chicago, Ill. Cookies, cakes, and wafers. 211,869; Apr. 20; Serial No. 222,950; published Jan. 5, 1926.
Seattle Tent & Awning Co., Seattle, Wash. Waterproof coats, slickers, hats, etc. 211,976; Apr. 20.
Select Furniture Corporation, Buffalo, N. Y. Household furniture. 211,983; Apr. 20.
Seminole Chemical Co., Inc., New York, N. Y. Chemicals known as a boiler compound. 211,724; Apr. 20; Serial No. 223,199; published Feb. 2, 1926.
Shell Company of California, San Francisco, Calif. Gasoline. 211,993; Apr. 20.
Shepard Norwell Co., Boston, Mass. Newspaper columns. 211,833; Apr. 20; Serial No. 221,641; published Feb. 9, 1926.
Sherikjian, Paul A., Holyoke, Mass. Cooking fat and shortening. 211,903; Apr. 20; Serial No. 219,352; published Feb. 9, 1926.
Shoenberg, Milton H., doing business as Clean-Heat Appliance Company, San Francisco, Calif. Electric immersion heaters for liquids. 211,988; Apr. 20.
Sigurdson Bros. Inc. (See Warrenton Clam Company.)
Simon, S. S., Monterey, Calif. Bottled and canned sardines. 211,917; Apr. 20; Serial No. 224,364; published Feb. 9, 1926.
Sleeper Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof. 211,889; Apr. 20; Serial No. 224,059; published Feb. 2, 1926.
Smith, Carolyn S., doing business as Vitalized Water Process, New York, N. Y. Water for drinking purposes. 211,802; Apr. 20; Serial No. 224,027; published Feb. 9, 1926.

Smith, Kline & French Company, Philadelphia, Pa. Remedy for the treatment and removal of corns and bunions. 211,697; Apr. 20; Serial No. 218,579; published Jan. 26, 1926.
Smith, Peter L., Worcester, Mass. Electrically-illuminated crossroad signal stand. 211,720; Apr. 20; Serial No. 194,958; published Feb. 2, 1926.
Smith & Scott Tobacco Co., Incorporated, Paducah, Ky. Smoking tobacco. 211,803; Apr. 20; Serial No. 224,680; published Feb. 9, 1926.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 211,978; Apr. 20.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 211,997–8; Apr. 20.
Sonora Phonograph Corporation, New York, N. Y. Talking machines, music boxes, phonograph needles, etc. 211,716; Apr. 20; Serial No. 114,588; published Aug. 12, 1919.
Southern Creameries, Inc., Nashville, Tenn. Sweet butter used for making ice cream. 211,827; Apr. 20; Serial No. 223,418; published Feb. 2, 1926.
Spohr, J., doing business as Industria Chimica Lugano J. Spohr, Pregassona, Switzerland. Enzymes made of gastric juice. 212,007; Apr. 20.
Sportocasin Co., The, Yarmouth, Me. Shoes made of leather and leather and rubber combined. 211,916; Apr. 20; Serial No. 224,433; published Jan. 19, 1926.
Stadlmair, Henry, Co. Inc., New York, N. Y. Stringed musical instruments. 211,765; Apr. 20; Serial No. 218,505; published Jan. 19, 1926.
Stanley Works, The, New Britain, Conn. Hinges. 211,757; Apr. 20; Serial No. 224,935; published Feb. 2, 1926.
Steinberger Bros. Lobl Co. Inc., New York, N. Y. Leather and kid gloves. 211,948–9; Apr. 20; Serial Nos. 178,778–9; published Apr. 7, 1925.
Steiner-Lobman Dry Goods Company, Montgomery, Ala. Work shirts. 211,739; Apr. 20; Serial No. 223,420; published Feb. 2, 1926.
Stern & Stern, Inc., New York, N. Y. Finger rings. 211,842; Apr. 20; Serial No. 222,288; published Jan. 19, 1926.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Radio receiving sets. 211,781; Apr. 20; Serial No. 212,158; published Jan. 19, 1926.
Stirn, L. & E., New York, N. Y. Silk piece goods. 212,000; Apr. 20.
Stonewall Cotton Mills, The, Stonewall, Miss. Chambray, cheviot, and denims in the piece. 212,008; Apr. 20.
Storms, H. M., Company, New York and Brooklyn, N. Y. Carbon paper. 211,785; Apr. 20; Serial No. 216,297; published Jan. 26, 1926.
Strathmore Fruit Growers Association, Strathmore, Calif. Oranges. 211,700; Apr. 20; Serial No. 215,222; published Feb. 9, 1926.
Stromberg, Harvey, Detroit, Mich. Cleaners for carpets, rugs, furniture, and the like. 211,704; Apr. 20; Serial No. 179,235; published Feb. 9, 1926.
Stroock, S., & Co. Inc., New York, N. Y. Wool cloth in the piece. 211,931; Apr. 20; Serial No. 211,393; published Feb. 9, 1926.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Raw milk, buttermilk, ice cream and ices, cheese, etc. 211,994; Apr. 20.
Surf Cap Company, Dallas, Tex. Bathing caps. 211,970; Apr. 20.
Taxi Meter Publishing Co. (See Rose, Evelyn.)
Tectron Radio Co. (See Goldman, Nathan.)
Tingue, Brown & Co., New York, N. Y. Laundry nets. 211,717; Apr. 20; Serial No. 184,002; published Jan. 19, 1926.
Toboul, Robert, doing business as Maison Cyber, Paris, France. Perfumes, toilet water, face and talcum powders, etc. 211,738; Apr. 20; Serial No. 223,668; published Jan. 26, 1926.
Toledo Timer Co., The, Toledo, Ohio. Spark timers for internal-combustion engines. 211,886; Apr. 20; Serial No. 222,353; published Jan. 26, 1926.
Trayway Mfg. Co., San Francisco, Calif. Clothes-washing machines and combined clothes-washing machines and wringers. 211,814; Apr. 20; Serial No. 221,937; published Jan. 19, 1926.
Tuttle-Scott Stores, Inc., Toledo, Ohio. Shoes. 211,792–3; Apr. 20; Serial Nos. 223,561–2; published Feb. 2, 1926.
Ullman-Levinthal Silks Corporation, New York, N. Y. Silk, artificial silk, cotton, or combinations thereof in the piece. 211,806; Apr. 20; Serial No. 224,789; published Feb. 9, 1926.
Ullman, Sigmund, Company, New York, N. Y. Letterpress or typographic inks. 211,825; Apr. 20; Serial No. 223,342; published Feb. 2, 1926.
Uncle Al's Radio Shop. (See Forbes, Alexander J.)
Union Fruit Co., Inc., La Mesa, Calif. Fresh tomatoes. 211,914; Apr. 20; Serial No. 224,849; published Feb. 9, 1926.
United States Products Corporation, San Jose, Calif. Canned fruits and canned vegetables. 211,911; Apr. 20; Serial No. 225,211; published Feb. 9, 1926.
Unity Beverage Company, Chicago, Ill. Malt sirup for beverage purposes. 212,001; Apr. 20.
Utility Manufacturing Co., Marysville and Seattle, Wash. Clothespins. 211,816; Apr. 20; Serial No. 222,291; published Feb. 2, 1926.
Valentine, Henry, Annapolis, Md. Salad dressing. 211,796; Apr. 20; Serial No. 223,976; published Feb. 2, 1926.
Valley Electric Company, Wilmington, Del., and St. Louis, Mo. Radio receiving sets. 211,837; Apr. 20; Serial No. 222,891; published Jan. 5, 1926.
Van Blarcom, Hermon L., Portland, Me. Salad dressings. 211,756; Apr. 20; Serial No. 224 939; published Jan. 26, 1926.
Veby Radio Co., Newark, N. J. Radio receiving apparatus and parts thereof. 211,687; Apr. 20; Serial No. 221,392; published Jan. 19, 1926.
Victor Talking Machine Company, Camden, N. J. Talking machines and parts thereof and records for talking machines. 211,868; Apr. 20; Serial No. 223,064; published Jan. 12, 1926.
Vitalized Water Process. (See Smith, Carolyn S.)
Vogan, Frank C., Philadelphia, Pa. Inductance coils. 211,836; Apr. 20; Serial No. 222,893; published Feb. 2, 1926.
Wakefield, F. W., Brass Company, The, Vermilion, Ohio. Electric-lighting fixtures and parts thereof. 211,933; Apr. 20; Serial No. 223 949; published Feb. 2, 1926.
Wanamaker, John, New York, New York, N. Y. Corsets. 211,892; Apr. 20; Serial No. 221,791; published Feb. 2, 1926.
Warrenton Clam Company, doing business as Sigurdson Bros. Inc., Warrenton, Oreg. Canned clams. 211,815; Apr. 20; Serial No. 221,987; published Feb. 2, 1926.
Waterhouse, Josephine S., doing business as Waterhouse Manufacturing Company, Los Angeles, Calif. Laundry appliances. 212,017; Apr. 20.
Waters-Genter Co., Minneapolis, Minn. Electric toasters. 212,020; Apr. 20.
Weber Battery Co., Chicago, Ill. Storage batteries. 211,995; Apr. 20.
Weingarten Bros., New York, N. Y. Women's fitted undergarments. 211,942; Apr. 20; Serial No. 203,549; published Feb. 2, 1926.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric-lighting fixtures and electric-lighting-fixture units. 211,952; Apr. 20; Serial No. 223,671; published Feb. 2, 1926.
White, George S., Los Angeles, Calif. Automatic circuit make and break devices. 211,832; Apr. 20; Serial No. 222,902; published Jan. 5, 1926.
Wilkins, John H., Co., Washington, D. C. Coffee. 211,929; Apr. 20; Serial No. 214,299; published Feb. 9, 1926.
Wilkins, John H., Co., Washington, D. C. Coffee. 211,937; Apr. 20; Serial No. 214,298; published Feb. 9, 1926.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 211,953; Apr. 20; Serial No. 223,673; published Feb. 2, 1926.
Wilson, William W., Los Angeles, Calif. Fresh fruits, vegetables, grapes, cantaloupes, and berries. 211,711; Apr. 20; Serial No. 200,593; published Feb. 17, 1925.
Winter & Co. Inc., New York, N. Y. Musical instruments. 211,818; Apr. 20; Serial No. 22,360; published Feb. 2, 1926.
Wood's, T. B., Sons Company, Chambersburg, Pa. Power-transmission appliances. 211,693; Apr. 20; Serial No. 219,100; published Dec. 1, 1925.
Woodward & Lothrop, Washington, D. C. Women's umbrellas. 211,726; Apr. 20; Serial No. 223,267; published Jan. 26, 1926.
Woodward & Lothrop, Washington, D. C. Writing paper and envelopes, correspondence cards and envelopes, etc. 211,922; Apr. 20; Serial No. 224,168; published Feb. 9, 1926.
Worumbo Manufacturing Company, Bath, Me. Labels and tags for articles of manufacture made from worumbo. 211,703; Apr. 20; Serial No. 206,101; published Feb. 9, 1926.
York Manufacturing Co. Inc., New York, N. Y. Incomplete dress pieces which are made up in dresses. 211,981; Apr. 20.
Zeman, Otto, Chicago, Ill. Spectacles, eyeglasses, goggles, and lens. 211,906; Apr. 20; Serial No. 217,595; published Feb. 2, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Alhuno Laboratories. (See Northrup, Blanche M.)
Ayers, John R., Boston, Mass. Peel's Therapeutic Shoes. For Shoes. 30,203; Apr. 20.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut "Mints" Spearmint. For Candy. 30,204; Apr. 20.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut "Mints" Wintergreen. For Candy. 30,205; Apr. 20.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut "Mints" Peppermint. For Candy. 30,206; Apr. 20.
Benchley, W. W., San Francisco, Calif. Del Monte Brand Oleomargarine. For Oleomargarine. 30,207; Apr. 20.
Bloom Company, The, Detroit, Mich. Ruby Bars. For Rhubarb Sold in Its Natural State. 30,208; Apr. 20.
Branfman, Jacob, New York, N. Y. Vegetarian Beans (11 ozs.). For Canned Beans. 30,209; Apr. 20.
Branfman, Jacob, New York, N. Y. Vegetarian Beans (5 ozs.). For Canned Beans. 30,210; Apr. 20.
Branfman, Jacob, New York, N. Y. Vegetarian Beans (18 ozs.). For Canned Beans. 30,211; Apr. 20.
Buck & Rayner, Chicago, Ill. Norwegian Cod Liver Oil. For Cod-Liver Oil. 30,212; Apr. 20.
California Picklers & Preservers, Incorporated, San Francisco, Calif. Redwood. For Pickles. 30,213; Apr. 20.
Campho Lac Company, The, San Juan Bautista, Calif. Campho Lac. For Antiseptic Lotion. 30,214; Apr. 20.
Caroni Products Co., Inc., Brooklyn, N. Y. Caroni Bitters. For a Liquid Patent Medicine. 30,215; Apr. 20.
Charterfield Laboratories, Inc., Los Angeles, Calif. Colactin. For a Laxative. 30,216; Apr. 20.
Chicago Master Steamfitters' Ass'n., Chicago, Ill. Certified By The Chicago Master Steamfitters' Association. For Heating Apparatus. 30,217; Apr. 20.
City Baking Company, The, Baltimore, Md. Rice's Pan-Dandy Bread. For Bread. 30,218; Apr. 20.
Dittrich, August C., Hayward, Wis. Liberty Camp Water. For Treated Natural Mineral Water. 30,219; Apr. 20.
Fox, H., & Co., Brooklyn, N. Y. Yubet. For Nonalcoholic Drinks. 30,220; Apr. 20.
Gosnell, J. A., Sheffield, Ala. Nifty. For Carbonated Beverage. 30,221; Apr. 20.
Guthrie Mercantile Company, St. Joseph, Mo. Delicious Health Bread. For Bread. 30,222; Apr. 20.
Harvey, Lilah M., Los Angeles, Calif. Dr. Sydney H. Harvey's Seasick Remedy. For Seasick Remedy. 30,223; Apr. 20.
Heller, B., & Company, Chicago, Ill. Ice-Berg. For Sherbet Powder. 30,224; Apr. 20.
Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Fly Killer. For a Preparation For Killing Flies. 30,225; Apr. 20.
"L" Specialty Company. (See Laskow, Louis.)
Lake Shore Oil Co. Inc., Chicago, Ill. Crystal Motor Oil. For Motor Oil. 30,226; Apr. 20.
Laskow, Louis, doing business as "L" Specialty Company, St. Louis, Mo. Mystico (Excel) Liquid Glass and Mirror Cleaner. For a Chemical Compound for Cleaning Glass. 30,227; Apr. 20.
Leggett, Francis H., & Co., New York, N. Y., Premier. For Figs. 30,228; Apr. 20.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Selected Eggs. 30,229; Apr. 20.
Northrup, Blanche M., doing business as Alhuno Laboratories, Los Angeles, Calif. Asmagon. For a Remedy For Asthma. 30,230; Apr. 20.
Nu-Type Company. (See Weinstein, Samuel.)
Ry-Krisp Company, The, Minneapolis, Minn. Ry-Krisp. For Rye Breakfast Food. 30,231; Apr. 20.
S & S Cigar Company, Philadelphia, Pa. El Pensar. For Cigars. 30,232; Apr. 20.
Simmons, P. G., Company, Philadelphia, Pa. Pleasant Run Farm Brand Eggs. For Eggs. 30,233; Apr. 20.
Simmons, P. G., Company, Philadelphia, Pa. Pleasant Run Farm Creamery Butter. For Butter. 30,234; Apr. 20.
Spilman, Emily J., New Rochelle, N. Y. Emily-Jane Cakes. For Homemade Cakes and Cookies. 30,235; Apr. 20.
Star Chemical Company, Carbondale, Ill. Star Liquid Stop Leak. For Liquid Stop-Leak Cement For Use in Radiators. 30,236; Apr. 20.
Taylor, W. H., St. Joseph, Mo. Taylor's Massage Balm. For Massage Balm For Bunions, Calli, and Corns. 30,237; Apr. 20.
United States Truss Co., The, Cincinnati, Ohio. Tacoma 2 in 1. For Trusses. 30,238; Apr. 20.
W. W. C. Wholesale Company, Pocatello, Idaho. Charleston. For Candy Bars. 30,239; Apr. 20.
W. W. C. Wholesale Company, Pocatello, Idaho. Oregon Trail. For Candy Bars. 30,240; Apr. 20.
Weinstein, Samuel, doing business as Nu-Type Company, St. Paul, Minn. Nu-Type Cleaner. For Preparation for Cleaning Typewriters and All Metal or Rubber Type. 30,241; Apr. 20.
Western Coffee & Tea Co., Oklahoma City, Okla. Cain's Better Coffee. For Coffee. 30,242; Apr. 20.
Western Coffee & Tea Co., Oklahoma City, Okla. Cain's Better Extracts. For Extracts and Flavors for Food Purposes. 30,243; Apr. 20.
Western Coffee & Tea Co., Oklahoma City, Okla. Cain's Better Tea. For Teas. 30,244; Apr. 20.
White & Wyckoff Mfg. Co., Holyoke, Mass. Florette Social Stationery. For Stationery and Envelopes. 30,245; Apr. 20.
White & Wyckoff Mfg. Co., Holyoke, Mass. Ye Olde Time Stationery. For Stationery and Envelopes. 30,246; Apr. 20.
Zatarain, E. A., & Sons, Inc., New Orleans, La. Papoose. For Nonalcoholic Cordial. 30,247; Apr. 20.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Cast Iron Pipe Company, Birmingham, Ala. Acipco Mono-Cast Pipe. For Centrifugally-Cast Pipe. 8,699; Apr. 20.
American Lead Pencil Company, New York, N. Y. Blue Band Velvet Pencils No. 131. For Pencils. 8,700; Apr. 20.
American Lead Pencil Company, New York, N. Y. Venus Pencil No. 3822 (No. 130). For Pencils. 8,701; Apr. 20.
American Lead Pencil Company, New York, N. Y. Blue Band Velvet Pencils C-57. For Pencils. 8,702; Apr. 20.
B. V. D. Company, Inc., The, New York, N. Y. There's Only One 'B. V. D.' For Athletic Underwear. 8,703; Apr. 20.
Cream of Wheat Co., Minneapolis, Minn. The Greatest Study of Your Child's Health Ever Made. For Wheat Breakfast Food. 8,704; Apr. 20.
Eaton, Crane & Pike Co., Pittsfield, Mass. Longchamps. For Stationery. 8,705; Apr. 20.
Eaton, Crane & Pike Co., Pittsfield, Mass. A Gift Box of Crane's Cordlinear. For Crane's Cordlinear. 8,706; Apr. 20.
Gordon, J. P., Company, The, Columbus, Ohio. Gordon Tire Covers—Save Spare Tires—Seat Covers—Save Upholstering. For Automobile Tire Covers and Seat Covers. 8,707; Apr. 20.
Heller Brothers Importing Co., Inc., doing business as Vita Fish Preserving Works, New York, N. Y. Marine Herring. For Canned Herring. 8,708; Apr. 20.
Joseph & Feiss Co., The, Cleveland, Ohio. Earl Cragg Pledges to You. For Men's Clothing and Wearing Apparel. 8,709; Apr. 20.
Or-Bios Company, Jacksonville, Fla. Or-Bios. For Toilet Water, Perfume, Face Powder, and Talcum. 8,710; Apr. 20.
Orchard & Wilhelm Co., Omaha, Nebr. Tinto-Tex. For Window Shades. 8,711; Apr. 20.
Pureoxia Company, The, Boston, Mass. Hello Everybody. For Pureoxia Ginger Ale. 8,712; Apr. 20.
Pureoxia Company, The, Boston, Mass. Boston's Year-Round Favorite. For Pureoxia Ginger Ale. 8,713; Apr. 20.
Roper, Geo. D., Corporation, Rockford, Ill. Roper Value. For Gas Ranges. 8,714; Apr. 20.
Signal Shirt Company, Racine, Wis. Here's The Biggest Idea in The Overall Business. For Overalls and Overall Repair Parts. 8,715; Apr. 20.
Signal Shirt Company, Racine, Wis. A New Improved Overall With Free Service. For Overalls and Overall Repair Parts. 8,716; Apr. 20.
Signal Shirt Company, Racine, Wis. Here's An Illustration of Our New Signal Overall Service Station. For Overalls and Overall Repair Parts. 8,717; Apr. 20.
Signal Shirt Company, Racine, Wis. Get Your Money's Worth. For Overalls and Overall Repair Parts. 8,718; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Squibb's Cod-Liver Oil Physiologically Tested For Vitamin Content. For Cod-Liver Oil. 8,719; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Squibb's Cod-Liver Oil (Vitamin-Tested) Unusually Rich in Body-Building, disease resisting Vitamins. For Cod-Liver Oil. 8,720; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. We Will Gladly Send You a Four-Ounce Sample of Squibb's Liquid Petrolatum. For Liquid Petrolatum. 8,721; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Pit and Fissure Decay. Cannot Be Controlled By the Tooth-Brush Alone. For Dental Cream. 8,722; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Now 40¢ A Tube Formerly 50¢. For Dental Cream. 8,723; Apr. 20.

Squibb, E. R., & Sons, New York, N. Y. You've Been Going To Do It For Months—Now Let's Have Action. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Rochelle Salt, Dental Prophylactic, Epsom Salt, Castor Oil, Boric Acid, Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Milk Sugar, Sodium Phosphate, Analgesic Balm, Glycerin Suppositories, and Benzoinated Cream. 8,724; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. The Real Work of Protecting Your Teeth and Gums is up to Your Dentifrice. For Dental Cream. 8,725; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. As Pure as Squibb's . . . For Sodium Bicarbonate. 8,726; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Why Millions of Women Today Demand Squibb's Dental Cream. For Dental Cream. 8,727; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. They Had Just Given Johnny a Spoonful—. For Castor Oil. 8,728; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Children Thrive on These Vitamins. For Cod-Liver Oil. 8,729; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. It is Easier to Take Squibb's Epsom Salt. For Epsom Salt. 8,730; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. A Source of Strength, A Wall of Defense—For the Growing Child, the Invalid, the Convalescent. For Cod-Liver Oil. 8,731; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Confidence the Foundation of a Successful Prescription Department. For Pharmaceuticals. 8,732; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Unquestioned Purity and Quality . . . For Sodium Bicarbonate. 8,733; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. The Purpose of the Squibb Educational Contest. For Household Drugs and Pharmaceutical Products. 8,734; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. You've Been Going to do it For Months—This Week Let's Have Action. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Epsom Salt, Castor Oil, Rochelle Salt, Dental Prophylactic, Boric Acid Granular, Boric Acid Powder, Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Glycerin Suppositories, Benzoinated Cream, Milk Sugar, Sodium Phosphate, and Analgesic Balm. 8,735; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. Why Millions of Men Are Turning to Squibb's Dental Cream. For Dental Cream. 8,736; Apr. 20.
Squibb, E. R., & Sons, New York, N. Y. There's Still Plenty of Time to Enter the Contest. For Dental Cream, Milk of Magnesia, Castor Oil, Cod-Liver Oil, Epsom Salt, and Bicarbonate of Soda. 8,737; Apr. 20.
Vita Fish Preserving Works. (See Heller Brothers Importing Co.)

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ackerman, Blaesser, Fezzey, Inc., Detroit, Mich. Automobile ventilators and window regulators. 227,619; Apr. 20.
Acme Brick Company, Fort Worth, Tex. Brick. 227,553–5; Apr. 20.
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Cameras and parts therefor. 223,677; Apr. 20.
Ahrens, Richard J., doing business as The Naturalay Company, Chicago, Ill. Preparation for keeping the hair in place after being combed. 209,604; Apr. 20.
American Bleached Goods Company, New York, N. Y. Cotton piece goods. 200,841; Apr. 20.
American Body Company Incorporated, Dallas, Tex. Vehicle bodies. 226,705; Apr. 20.
American Chicle Company, assignor to Caleb Crawford Company, Long Island City, N. Y. Chewing gum. 225,989; Apr. 20.
American Importing Company, New York, N. Y. Ticking. 223,002; Apr. 20.
American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Cork padding for ironing and pressing machines. 227,559; Apr. 20
American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Gingbams in the piece. 174,120; Apr. 20.
American Wiremold Company, The, Hartford, Conn. Insulated electric wires. 227,872; Apr. 20.
Ancram Paper Mills, The, New York, N. Y. Tissue paper. 225,822; Apr. 20.
Arkwright Merchandising Corp., New York, N. Y. Sheets and pillowcases. 210,655; Apr. 20.
Armstrong, Roy, doing business as National Pharmacal Company, Birmingham, Ala. Medicinal compound. 228,167; Apr. 20.
Art Electrotype Fdry. Co., The, Cleveland, Ohio. Electrotype. 215,121; Apr. 20.
Arteraft Electrotype Company, The, Ashland, Ohio. Electrotype. 215,122; Apr. 20.
Arteraft Silk Hosiery Mills, Inc., Philadelphia, Pa., and New York, N. Y. Ladies' hosiery. 227,709; Apr. 20.
Atlas Products Co., Los Angeles, Calif. Hack saws. 226,123; Apr. 20.
Avanzino, L., & Brother, Inc., Boston, Mass. Canned vegetables. 223,884; Apr. 20.
Barron, Robert A., doing business as United Sales Corporation, San Francisco, Calif. Metal wedges for tool handles. 207,443; Apr. 20.
Beacon Oil Company. (See Colonial Filling Stations, Inc., assignor.)
Beaver Products Company, Inc., The, Buffalo, N. Y. Mixed paints in oil, paint enamels, varnishes, wood stains, etc. 194,330; Apr. 20.
Bedford, John, & Sons, Limited, Sheffield, England. Files. 227,768; Apr. 20.
Bennett Manufacturing Company, Alden, N. Y. Household cabinets. 225,105; Apr. 20.
Bessemer, Harry, doing business as Bessemer Chemical Company, New York, N. Y. Antiseptic preparations. 227,882; Apr. 20.
Blair, Abe, doing business as Fantomfit Company, Chicago, Ill. Corset and brassière combination. 228,522; Apr. 20.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 228,024; Apr. 20.
Boott Mills, Lowell, Mass. Scrim sash curtains. 208,955; Apr. 20.
Bosch Distributing Co., Boston, Mass. Malt sirup for food purposes. 223,764; Apr. 20.
Bowes Seal Fast Corporation, Indianapolis, Ind. Rubber patches for penumatic inner tubes for tires. 227,437; Apr. 20.
Brach, E. J., & Sons, Chicago, Ill. Candy. 227,565; Apr. 20.
Brand New Company, Inc., The, New York, N. Y. Disinfectants. 228,640; Apr. 20.
Brecht, Gus V., Butchers Supply Company, St. Louis, Mo. Refrigerators and refrigerator display counters. 220,212; Apr. 20.
Brooks, M., & Co. (See Mandré, Inc.)
Buchholtz, Vincent A., doing business as Independent Motor Fuel Supply, Cumberland, Md. Lubricating oils and greases and gasoline. 226,582; Apr. 20.
Buckeye Aluminum Company, The, Wooster, Ohio. Cooking utensils and kitchen ware. 226,331; Apr. 20.
Burnett Chemical Company, Los Angeles, Calif. Lead-base paste paint pigment. 208,378; Apr. 20.
Buzza Company, The, Minneapolis, Minn. Envelopes and writing paper. 227,508; Apr. 20.
Cades, Phil, Philadelphia, Pa. Men's furnishings. 226,094; Apr. 20.
California Avocado Growers Exchange, Los Angeles, Calif. Avocados. 227,440; Apr. 20.
Campbell, Hayden S., doing business as Pectone Products Co., St. Joseph, Mo. Fruit-jelling preparation. 228,594; Apr. 20.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Nonalcoholic maltless beverages. 221,537; Apr. 20.
Carew Manufacturing Company, South Hadley Falls, Mass. Ledger paper. 207,810; Apr. 20.
Carlton Mills, Inc., New York, N. Y. Men's and boys' collars, pyjamas, nightrobes, etc. 228,297; Apr. 20.
Carney-Graham Co. (See Graham, Robert S.)
Chaplin, Percy F., London, England. Coffee. 227,718; Apr. 20.
Chrobaltic Tool Company, Michigan City, Ind. Metallic alloy compounds. 226,999; Apr. 20.
Colonial Chemical Corp., Reading, Pa. Hand sprayers. 226,845; Apr. 20.
Colonial Filling Stations, Inc., assignor to Beacon Oil Company, Boston, Mass. Petroleum products. 227,392; Apr. 20.
Connecticut Valley Paper & Envelope Company, New York, N. Y. Bond paper. 226,806; Apr. 20.
Conrad, W. B., & Co., New York, N. Y. Woven and knitted goods, rayon and cotton and silk mixture. 228,227; Apr. 20.
Copeland, W. T., & Son, Stroke-on-Trent, Staffordshire, England. China and earthenware. 226,884; Apr. 20.
Crawford, Caleb Company. (See American Chicle Company, assignor.)
Creamette Company, The, Minneapolis, Minn. Chewing gum. 226,946; Apr. 20.
Crescent Pharmacal Co., Glenside, Pa. Laxatives. 223,463; Apr. 20.
Cross and Beguelin, New York, N. Y. Watches, watch movements, watchcases, and parts for watches. 227,778; Apr. 20.
Cross, Mark, Company, New York, N. Y. Toilet bags. 220,076; Apr. 20.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cultured Coffee Corporation, The, St. Louis, Mo. Cultured coffee. 228,298; Apr. 20.
Dalpo Products Company. (See Dalzelle, Sanford J.)
Dalzelle, Sanford J., doing business as Dalpo Products Company, Baltimore, Md. Auto cleaner, glass polish, hand cleaner, valve-grinding compound, etc. 219,661; Apr. 20.
Darling Valve & Manufacturing Company, Williamsport, Pa. Valve seats. 228,088; Apr. 20.
Davis, John, Shoe Stores, Inc., Boston, Mass. Boots and shoes. 227,309; Apr. 20.
Davis & Voetsch, Inc., New York, N. Y. Wheeled toy vehicles. 222,315; Apr. 20.
Deep Spring Company, The, Cleveland, Ohio. Water, carbonated water, root beer, and ginger ale. 227,720; Apr. 20.
Delmarle, Nance M., Rochester, N. Y. Mustard sauce and salad dressing. 227,989; Apr. 20.
Deltox Rug Company, Oshkosh, Wis. Oval rugs formed of paper yarn. 220,889; Apr. 20.
Detroit Insulated Wire Company, Detroit, Mich. Armored cables and cords and flexible metallic conduits for electrical purposes. 210,367; Apr. 20.
Detroit White Lead Works, Detroit, Mich. Paints, paint enamel, japans, etc. 226,640; Apr. 20.
De Witt, M. C., Orwell, Vt. Hand soap. 227,265; Apr. 20.
Dingman, R. D., doing business as The Thorine Company, Detroit, Mich. Antiseptic solution for the treatment of catarrhal affections. 228,597; Apr. 20.
Disser, Louis J., sr., Ferguson, Mo. Chewing gum. 228,686; Apr. 20.
Dorothy Dodd Shoe Company, Boston, Mass. Boots, shoes, and slippers. 227,344; Apr. 20.
Draper-Maynard Company, The, Plymouth, N. H. Golf clubs. 226,186; Apr. 20.
Drlica, Karl, doing business as Kleen Wall Products Company, Portland, Oreg. Radiator shields for hot-air, steam, and hot-water radiators. 225,599; Apr. 20.
Du-Kann, Inc., Syracuse, N. Y. Shampoo. 228,032; Apr. 20.
Durant Motocover Co., Inc., New York, N. Y. Automobile seat covers. 226,187; Apr. 20.
Eastern Carbon Black Company, Charleston, W. Va. Carbon black. 216,459; Apr. 20.
Eastern Textile Co., Omaha, Nebr. Overcoats, dress shirts, work shirts, hosiery, etc. 227,572; Apr. 20.
Espasa, Hijos de J., Barcelona, Spain. Completely-printed books. 213,432; Apr. 20.
Eveready Molstener Co. (See Le Gris, Horace.)
Fantomfit Company. (See Blair, Abe.)
Fife Products Corporation, Richmond, Va. Toilet preparation. 227,884; Apr. 20.
Findlay Millar Timber Co., Manila, P. I. Lumber, rough and dressed. 227,300; Apr. 20.
Fixman, Herman, doing business as The Pennsylvania Hosiery Co., Philadelphia, Pa. Hosiery, underwear, scarfs, cravats, etc. 227,643; Apr. 20.
Forest Brush Works Limited, London, England. Brushes. 224,326; Apr. 20.
Frank, J., & Sons, Philadelphia, Pa. Ginger Ale. 226,241; Apr. 20.
Franklin Air Compresor Works, Norristown, Pa. Apparatus for spraying and blowing insecticide, disinfectant, etc. 225,784; Apr. 20.
Franklin Simon & Co. Inc., New York, N. Y. Men's and boys' furnishings and clothing. 209,522; Apr. 20.
Garver, Jos. L., doing business as Jos. L. Garver Oil Co., Hamilton, Ohio. Gasoline, lubricating oils and grease. 225,690; Apr. 20.
General Candy Co., Milwaukee, Wis. Candy and candy bars. 228,309; Apr. 20.
General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 228,310; Apr. 20.
Glit Edge Packing Co. (See Jacobson, Anton E.)
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, silk and cotton piece goods, and artificial-silk and cotton piece goods. 226,196; Apr. 20.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, silk and cotton piece goods, etc. 228,371–2; Apr. 20.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, silk and cotton piece goods, etc. 228,374; Apr. 20.
Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass lighting globes. 227,119; Apr. 20.
Goldman, Simmons & Co., Los Angeles, Calif. Men's neckties. 226,243; Apr. 20.
Goldstein, Alfred D., doing business as The Stomatape Products Co., New York, N. Y. Antiseptic and antacid. 27,888; Apr. 20.
Gosse, F. A., & Company, also doing business as Triangle Tea Co., Seattle, Wash. Tea. 226,053; Apr. 20.
Graham, Robert S., doing business as Carney-Graham Co., Paducah, Ky. Smoking tobacco. 227,789; Apr. 20.
Greenberg, Israel S., doing business as Greenberg Mfg. Co., New York, N. Y. Men's dress and negligee shirts and boys' blouses. 228,187; Apr. 20.
Groover-Stewart Drug Company, The, Jacksonville, Fla. Nonalcoholic, maltless flavors, extracts, and compounds. 212,250; Apr. 20.
Gumbo Limbo Corporation, New York, N. Y. Drug and medicinal preparation. 228,696; Apr. 20.
Haas-Lieber Grocery Company, St. Louis, Mo. Canned fruits, berries, vegetables, fish, pork and beans, coffee, breakfast cereals, etc. 188,241; Apr. 20.
Halpern, Samuel, doing business as Tinc-O-Dine Chemical Co., New York, N. Y. Antiseptic. 228,034; Apr. 20.
Hammond, Benjamin, Beacon, N. Y. Insecticide powder. 227,349; Apr. 20.
Hammond, Benjamin, Beacon, N. Y. Fungicide. 227,350; Apr. 20.
Hance Brothers & White Inc., Philadelphia, Pa. Remedy for diseases of the urinary organs. 228,650; Apr. 20.
Hance Brothers & White Inc., Philadelphia, Pa. Laxative. 228,651; Apr. 20.
Hance Brothers & White Inc., Philadelphia, Pa. Laxative pill or powder. 228,652; Apr. 20.
Handel-Lange & Handel, Lodi, Calif. Fresh grapes. 226,141; Apr. 20.
Happy's Bottling Works, Inc., Auburn, Wash. Hot-cake sirup. 204,506; Apr. 20.
Harris-Murray Company, The, Cleveland, Ohio. Pebble lime. 226,055; Apr. 20.
Hawkins, Mason A., doing business as Morhairon Mfg. Co., Baltimore, Md. Hair tonic. 209,342; Apr. 20.
Hein Company, The, Pittsburgh, Pa. Candy. 228,241; Apr. 20.
Herlong, A. S., & Co., Leesburg, Fla. Fresh citrous fruits and fresh vegetables. 212,137; Apr. 20.
Hershey, Lloyd B., doing business as The Safe Padlock and Hardware Company, Lancaster, Pa. Locks and latches and keys therefor. 227,743; Apr. 20.
Hillman, Max B., New York, N. Y. Caps and hats for men, youths, and boys. 227,016; Apr. 20.
Hitchcock, Helen S., New York, N. Y. Dolls and toy animals. 226,487; Apr. 20.
Hobbs, Robert F., Inc., Beverly, N. J. Wall paper. 226,958; Apr. 20.
Hoffman, Stephen R., doing business as Hoffman Watch Co., New York, N. Y. Watches, clocks, watch movements and parts thereof, and watchcases. 228,699; Apr. 20.
Holtz, Armand, Paris, France. Soap. 227,354; Apr. 20.
Hope Foundry & Machine Co., Inc., Maplewood and Hilton, N. J. Cable boxes, loom plates, weather caps, and capped elbows. 226,143; Apr. 20.
Hoppe & Hoppe, Chicago, Ill. Face powders, face creams, hair tonics, lip sticks, etc. 225,192; Apr. 20.
Human-Olegy Co., The. (See Ingraham, Langley.)
Improved Method Paint Products Co. Inc., Los Angeles, Calif. Mixed paints and wood fillers. 225,094; Apr. 20.
Independent Motor Fuel Supply. (See Buchholtz, Vincent A.)
Ingraham, Langley, doing business as The Human-Olegy Co., Easton, Md. Table game. 227,236; Apr. 20.
Inland Engineering Company, Chicago, Ill. Conveyer chains. 227,892; Apr. 20.
Jackson, O. W., & Co., Incorporated, New York, N. Y. Rubber floor mats. 226,005; Apr. 20.
Jacobs, R., and Company, New York, N. Y. Household linens. 227,651; Apr. 20.
Jacobson, Anton E., doing business as Gilt Edge Packing Co., San Francisco, Calif. Vinegar and salad oil. 227,075; Apr. 20.
Jagenman-Bode Company, Springfield, Ill. Canned fruits, vegetables, and fish, breakfast cereals, spices, etc. 219,589; Apr. 20.
Jass Mfg. Co., Atlanta, Ga., and Philadelphia, Pa. Preserved mackerel. 224,702; Apr. 20.
Johns-Pratt Company, The, Hartford, Conn. Electrical protective circuit opening and controlling devices, etc. 227,894; Apr. 20.
Joseph & Feiss Co., The, Cleveland, Ohio. Men's clothing and furnishings. 227,123; Apr. 20.
Joseph, Joseph, San Francisco, Calif. Men's and young men's coats, vests, trousers, and overcoats. 228,468; Apr. 20.
Judge, Joseph S., Brooklyn, N. Y. Waxing and floor-polishing brushes. 208,814; Apr. 20.
Kampe, John F., Long Island City, N. Y. Parlor and living-room furniture. 227,237; Apr. 20.
Karas Electric Company, Chicago, Ill. Radio supplies. 226,490; Apr. 20.
Kase Laboratories, San Francisco, Calif. Medicine for reducing flesh. 220,305; Apr. 20.
Keelling, William B., Chicago, Ill. Preparation for the treatment of asthma. 225,156; Apr. 20.
Kiddies Pal Company, New York, N. Y. Infants' dresses. 226,491; Apr. 20.
Kirk, James S., & Company, Chicago, Ill. Soap. 227,950; Apr. 20.
Kirk, James S., & Company, Chicago, Ill. Soap. 228,470; Apr. 20.
Kleen Wall Products Company. (See Drlica, Karl.)
Koro Electric Corporation, Chicago, Ill. Electrodes and rods for welding and arc welding. 226,290; Apr. 20.
Lake Wales Nurseries, Lake Wales, Fla. Nursery products. 203,083; Apr. 20.
La Mode Garment Co., Chicago, Ill. Women's and children's clothing. 226,061; Apr. 20.
Lanair Chemical Corporation, Chicago, Ill. Liquid insecticides. 228,118; Apr. 20.

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Laughlin Textile Mills, Inc., Waterford, N. Y. Tapes and bindings. 228,432; Apr. 20.
Le Gris, Horace, doing business as Eveready Molstener Co., New York, N. Y. Molsteners for cigars, cigarettes, and manufactured tobacco. 228,821; Apr. 20.
Leonard, Benny, Physical Culture Institute, Inc., New York, N. Y. Dumb-bells. 227,215; Apr. 20.
Lewis, Rachel, Buffalo, N. Y. Hair grower. 228,714; Apr. 20.
Limpert Bros., Inc., New York, N. Y. Chocolate sirup. 225,430; Apr. 20.
Lipman & Lipman, doing business at Tuccia Oil Co., New York, N. Y. Olive oil. 226,552; Apr. 20.
Lob-Fuhrman-Bender Company, Inc., Philadelphia, Pa. Men's suits, coats, vests, and trousers. 223,531; Apr. 20.
Lob-Fuhrman-Bender Company, Inc., Philadelphia, Pa. Men's suits, coats, vests, and trousers. 227,057; Apr. 20.
Lovett & Sons, Chattanooga, Tenn. Coal. 226,777; Apr. 20.
Majestic Products Corporation, The, Philadelphia, Pa. Liquid polish for gold, silver, and plated ware. 227,658; Apr. 20.
Mandré, Inc., doing business as M. Brooks & Co., Washington D. C. Women's and misses' dresses, coats, wraps, etc. 227,459; Apr. 20.
Manhattan Electrical Supply Company, Incorporated. Dry batteries and flash lights. 223,181; Apr. 20.
Martin, J. D., Fresno, Calif. Fresh grapes. 220,551; Apr. 20.
Marvlo Mills, Inc., New York, N. Y. Cotton, silk, artificial silk, and mixtures of cotton and silk, etc. 228,477; Apr. 20.
May Department Stores Company, The, St. Louis, Mo. Boys' blouses, shirts, and wash suits. 223,650; Apr. 20.
Maytag Company, The, Newton, Iowa. Clothes-washing machines. 218,651; Apr. 20.
Maytag Company, The, Newton, Iowa. Dollies and clothes-washing machines. 218,652; Apr. 20.
McGowan, Frank A., Canton, Ohio. Soap and softener powder. 228,385; Apr. 20.
McLain, Andrew, Morgantown, W. Va. Liniment. 228,613; Apr. 20.
Michigan Carton Co., Battle Creek, Mich. Cardboard. 227,317; Apr. 20.
Monterey Bay Artichoke Growers, Inc., Monterey, Salinas, and Castroville, Calif. Fresh artichokes. 228,615; Apr. 20.
Morhairon Mfg. Co. (See Hawkins, Mason A.)
Morris, Mann & Reilly, Inc., Chicago, Ill. Combs not of precious metal and intended for use in women's hair. 227,319; Apr. 20.
Murphy, Peter F., Co., Philadelphia, Pa. Chocolate bars. 228,055; Apr. 20.
Myles Salt Co., Ltd., New Orleans, La. Salt. 194,732; Apr. 20.
Nash Coffee Company, Minneapolis, Minn. Coffee. 217,177; Apr. 20.
National Glove Company, The, Columbus, Ohio. Cloth gloves with leather palms. 226,964; Apr. 20.
National Ice Cream Co., Louisville, Ky. Ice cream. 226,498; Apr. 20.
National Ice Cream Co., Louisville, Ky. Ice cream. 226,500; Apr. 20.
National Pharmacal Company. (See Armstrong, Roy.)
Naturalay Company. (See Ahrens, Richard J.)
Nella, Sociedad Anonima, Barcelona, Spain. Chocolate in blocks and powder, cocoa in powder, caramels, etc. 209,860; Apr. 20.
Nelkin Clo. Co., Inc., New York, N. Y. Men's and young men's suits. 227,748; Apr. 20.
Nones, A., & Company, New York, N. Y. Cured or treated citrous fruits. 226,965; Apr. 20.
Nones, A., & Co., New York, N. Y. Coconut desiccated, preserved, or otherwise prepared. 227,411; Apr. 20.
North American Cement Corporation, Hagerstown, Md. Preparation for use in making whitewash. 226,501; Apr. 20.
Oliva, Bruno, Buffalo, N. Y. Preparation for dandruff, falling hair, and for promoting the growth of hair. 226,502; Apr. 20.
Olive Products Company, Oroville, Calif. Olives and olive oil. 225,200; Apr. 20.
Osborn, C. J., Company, New York, N. Y. Lithopone product in powdered form. 226,596; Apr. 20.
Otar The Lampmaker, Santa Cruz, Calif. Electric-lighting fixtures, table lamps, floor lamps, etc. 219,759; Apr. 20.
Parfumerie Roger et Gallet, Paris, France. Soaps. 227,413; Apr. 20.
Peaslee-Gaulbert Co., Louisville, Ky. Brushing lacquer. 226,205; Apr. 20.
Pectone Products Co. (See Campbell, Hayden S.)
Penn Leather Company, Philadelphia, Pa. Leather soles, taps, tap soles, and half soles. 226,862; Apr. 20.
Penney, J. C., Company, Wilmington, Del. Overalls and work clothes. 223,639; Apr. 20.
Pennsylvania Hosiery Co. (See Fixman, Herman.)
Perin-Walsh Company, Boston, Mass. Receptacles used in shipping. 220,618; Apr. 20.
Permanent Wave Machine & Supply Corporation, The, New York, N. Y. Permanent-wave hair-steaming devices. 220,358; Apr. 20.
Phillips-Jones Corporation, New York, N. Y. Men's dress and negligee shirts and cuffs. 228,390; Apr. 20.
Phoenix Import Co. Inc., New York, N. Y. Silk lamp shades, parchment and beaded lamp shades, lamp-shade covers, etc. 223,485; Apr. 20.
Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md. Brushes and dusters. 225,970; Apr. 20.
Placentia Orange Growers Association, Fullerton, Calif. Oranges, lemons, and grapefruit. 211,426; Apr. 20.
Plant, Thomas G., Company, Boston, Mass. Leather boots, shoes, and slippers. 227,751; Apr. 20.
Potts, Horace T., & Co., Philadelphia, Pa. Deformed concrete steel bars. 226,914; Apr. 20.
Poulos, Bessie, New York, N. Y. Healing salve. 225,444; Apr. 20.
Primrose Saratoga Chip Factory. (See Wauchope, Oscar D.)
Pritchard, Edward, New York, N. Y. Worcestershire sauces, jellies, flavoring extracts, etc. 222,188; Apr. 20.
Progressive Broom Company, Brooklyn, N. Y. Brooms, whisk brooms, and unimpregnated cloth, feather, and wool dusters. 222,940; Apr. 20.
Progressive Broom Company, Inc., Brooklyn, N. Y. Brooms and unimpregnated dusters. 227,752; Apr. 20.
Protexcar Mfg. Co., New York, N. Y. Automobile seat covers. 226,210; Apr. 20.
Radio Corporation of America, New York, N. Y. Vacuum tubes, valves, crystal detectors, etc. 218,523; Apr. 20.
Reid, Murdoch & Co., Chicago, Ill. Canned sardines. 218,087; Apr. 20.
Remick Products, Inc., New York, N. Y. Barbers' toilet supplies. 223,658; Apr. 20.
Rex Products Company, Chicago, Ill. Soaps. 227,417; Apr. 20.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, convenience taps, appliance-cord sets, etc. 223,255; Apr. 20.
Roach & Musser Company, Muscatine, Iowa. Window and door frames. 226,111; Apr. 20.
Roberts Bros. Inc., Baltimore, Md. Canned fruits and vegetables. 227,810; Apr. 20.
Rodgers, L. E., Clay Products Company, Ottawa, Ill. Ceramic articles. 226,376; Apr. 20.
Roth-Downs Manufacturing Co., St. Paul, Minn. Radio receiving sets and parts thereof. 227,912; Apr. 20.
Roth, Otto, Inc., Newark, N. J. Razor blades. 226,966; Apr. 20.
Royal Radio Corporation, Providence, R. I. Radio receiving sets and radio parts. 226,514; Apr. 20.
Safe Padlock and Hardware Company, The. (See Hershey, Lloyd B.)
Schenke, Frederick O., New York, N. Y. Preparation for the relief of coughs, throat and bronchial irritations. 227,914; Apr. 20.
Schuberth, Hellmuth, doing business as Hellmuth Schuberth Versand Apotheke, Mollis, Switzerland. Medicinal tablet to be taken as a general tonic and strengthening medicine. 223,197; Apr. 20.
Scolding Locks Hairpin Company, Appleton, Wis. Hair nets. 228,143; Apr. 20.
Sears, Roebuck and Co., Chicago, Ill. Watches. 228,499; Apr. 20.
Security Mills, Inc., Newton, Mass., and New York, N. Y. Knitted textile fabrics. 228,443–4; Apr. 20.
Sethness Company, The, Chicago, Ill. Ginger ale and extract for making ginger ale. 227,917; Apr. 20.
Shepard, John N., Los Angeles, Calif. Floor wax. 221,719; Apr. 20.
Shulman & Sons, New York, N. Y. Portable savings banks. 227,538; Apr. 20.
Sims, Michael H., doing business as Spaz Mineral Company, Columbus, Ohio. Compound soluble in water to aid in eliminating adipose tissue. 228,835; Apr. 20.
Siner, Elizabeth A., Terre Haute, Ind. Supporting compartment medicine dropper. 226,833; Apr. 20.
Sisholz Company, Inc., New York, N. Y. Women's dresses, coats, suits, wraps, mantles, and coats. 228,335; Apr. 20.
Smith, Charles H., Michigan Center, Mich. Glass polish. 228,391; Apr. 20.
Smith & Welton Inc., Norfolk, Va. Coats, hosiery, underwear, waists, ties, socks, etc. 226,260; Apr. 20.
Societe Anonyme "Laboratories Innoxa," Paris, France. Perfumes, toilet waters, powders, rouges, etc. 228,007; Apr. 20.
Soltz, Joseph, Atlantic City, N. J. Ready-mixed paints and paint enamels. 222,286; Apr. 20.
Sowers Manufacturing Company, Buffalo, N. Y. Kettles, including fire, steam jacketed, oil jacketed, also mixing kettles. 191,417; Apr. 20.
Spaz Mineral Company. (See Sims, Michael H.)
Spectro-Chrome Institute (Incorporated), Malaga, N. J. Apparatus for registering the color-wave value or radio-active and radioemanative value of the human body and the like. 221,981; Apr. 20.
Spotswood, Curran L., Poplarville, Miss. Watch crystals. 227,815; Apr. 20.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Srofe, Jesse, doing business as J. Srofe Company, Cincinnati, Ohio. Toy blocks. 217,187; Apr. 20.
Standard Oil Company (New Jersey), Bayonne, N. J. Mineral oil for chemical, medicinal, and pharmaceutical purposes. 201,685; Apr. 20.
Steindler, Leslie L., New York, N. Y. Automobile heaters. 226,384; Apr. 20.
Stimpson, Edwin B., Co., Brooklyn, N. Y. Metal stampings from all metals and for all purposes, sheet metal, etc. 185,158–9; Apr. 20.
Stomatape Products Co., The. (See Goldstein, Alfred D.)
Stubbs, Robert C., Dallas, Tex. Concrete paving for streets, roads, and the like. 227,328; Apr. 20.
Sunderland, Katherine B., Danbury, Conn. Stocking protectors. 226,606; Apr. 20.
Sunshine, Jacob, doing business as Wizard Laboratories, New York, N. Y. Emmenagogue pills. 210,147; Apr. 20.
Superior Hard Rubber Company, Butler, N. J. Plates for electrical condensers. 212,578; Apr. 20.
Tag-Hart Malt Products Co., La Crosse, Wis. Malt-sirup extracts. 224,300; Apr. 20.
Teele, Wilbur, Seattle, Wash. Oil burners. 227,483; Apr. 20.
Telapal Company, Inc., Bethlehem, Pa. Antiseptic tablets. 228,673; Apr. 20.
Texas Pacific Coal and Oil Company, Fort Worth, Tex. Refined petroleum products. 225,625; Apr. 20.
Thorlue Company, The, (See Diagman, R. D.)
Three-M Manufacturing Company, Kansas City, Mo. Boiler compound. 216,367; Apr. 20.
Timken-Detroit Axle Company, The, Detroit, Mich. Brakes, braking systems, and parts thereof for motor vehicles. 227,254; Apr. 20.
Tine-O-Dine Chemical Co. (See Halpern, Samuel.)
Toch Brothers, Incorporated, New York, N. Y. Paints, varnishes, and paint enamels. 226,453; Apr. 20.
Triangle Tea Co. (See Gosse, F. A., & Company.)
Tru-Biu Biscuit Company, Spokane, Wash. Candy. 225,628; Apr. 20.
Tuccia Oil Co. (See Lipman & Lipman.)
Tyler Manufacturing Company, The, Muncie, Ind. Colanders. 226,388; Apr. 20.
Tyler, W. S., Company, The, Cleveland, Ohio. Woven-wire screen cloth. 227,615; Apr. 20.
Ullman-Levinthal Silks Corporation, New York, N. Y. Silk, artificial silk, cotton, or combination thereof in the piece. 227,375; Apr. 20.
Union Radiator Company, Johnstown, Pa. Radiators for heating purposes. 220,810; Apr. 20.
United Sales Corporation. (See Barron, Robert A.)
United States Gypsum Company, Chicago, Ill. Wall and finishing plaster, stucco, and finishing lime. 226,086; Apr. 20.
Universal Willow & Reed Ware Company Incorporated, Long Island City, N. Y. Electric floor and table lamps. 216,701; Apr. 20.
Van Camp Hardware & Iron Company, doing business as The Van Camp Company, Indianapolis, Ind. Lacquers. 226,454; Apr. 20.
Van Pelt and Brown, Richmond, Va. Medicine in tablet form. 228,011; Apr. 20.
Van Pelt and Brown, Richmond, Va. Capsules for use in the treatment of catarrhal conditions of the genito-urinary tract, etc. 228,012; Apr. 20.
Victor Radio Corporation, Chicago, Ill. Radio loud speakers and loud speaker units. 227,700; Apr. 20.
Von Allmen, C., Preserving Co., The, Louisville, Ky. Mayonnaise, Thousand Island dressing, and sandwich spread. 225,750; Apr. 20.
Vredenburg, Julius C., London, England. Shock absorbers, vibration dampers, and cushioning devices. 216,703; Apr. 20.
Ward, Zigmunt F., Los Angeles, Calif. Liniment. 226,839; Apr. 20.
Warner and Warner, Brooklyn, N. Y. Face creams, perfumes, rouges, nail polishes, etc. 228,014; Apr. 20.
Warrensburg Canning Co., Warrensburg, Ill. Canned corn. 228,154; Apr. 20.
Washington Parlor Furniture Co., Chicago, Ill. Household furniture. 225,458; Apr. 20.
Wattles, William E., doing business as W. E. Wattles & Sons, Detroit, Mich. Salve for the treatment of piles. 228,629; Apr. 20.
Wauchope, Oscar D., doing business as Primrose Saratoga Chip Factory, Fresno, Calif. Saratoga chips. 228,675; Apr. 20.
Wellauer-Noll Shoe Mfg. Co., Milwaukee, Wis. Children's shoes. 227,260; Apr. 20.
Wells, S. C., & Co., Le Roy, N. Y. Remedy for constipation. 225,901–2; Apr. 20.
Western Chain Company, Chicago, Ill. Tire or skid chains for automotive vehicles. 227,926; Apr. 20.
Western Chain Company, Chicago, Ill. Tire or skid chains for automotive vehicles. 228,348; Apr. 20.
Western Shade Cloth Co., The, Chicago, Ill. Window-shade cloth. 228,159; Apr. 20.
Western Shade Cloth Co., The, Chicago, Ill. Bookbinders' cloth. 228,160; Apr. 20.
Western Shade Cloth Co., The, Chicago, Ill. Window-shade cloth. 228,161–2; Apr. 20.
Western Shade Cloth Co., The, Chicago, Ill. Window-shade cloth. 228,164; Apr. 20.
Western Waterproofing Company, Inc., Boston, Mass. Asphalt preparation. 226,931; Apr. 20.
Whalon, Mark, East Dorset, Vt. Maple sugar, sirup, and butternut candy. 216,859; Apr. 20.
White, Miles A., Glendale, Calif. Chewing gum. 228,676; Apr. 20.
Whittemore Bros. Corp., Cambridge, Mass. Leather polishes. 221,990; Apr. 20.
Whittemore Bros. Corp., Cambridge, Mass. Shoe polish and leather dressings. 221,991; Apr. 20.
Whittemore Bros. Corp., Cambridge, Mass. Compositions for treating leather and boots and shoes. 221,992; Apr. 20.
Whittemore Bros. Corp., Cambridge, Mass. Polishes for leather goods. 221,993; Apr. 20.
Whittemore Bros. Corp., Cambridge, Mass. Leather polish. 223,010; Apr. 20.
Williams Company, The, London, Ohio. Steel wool. 227,331; Apr. 20.
Wizard Laboratories. (See Sunshine, Jacob.)
Wolf, Leon L., Waterproof Fabric Company, The, Cincinnati, Ohio. Waterproof fabrics for car roofing, bus roofing, household use, etc. 224,794; Apr. 20.
Wolverine Brass Works, Grand Rapids, Mich. Adjustable traps, duplex traps, New York pattern traps, lavatory valves, bath supplies, etc. 227,928; Apr. 20.
York Manufacturing Co. Inc., New York, N. Y. Cloth comprised entirely of cotton and cotton and rayon or cotton and silk mixtures. 227,765; Apr. 20.
Zisch Engineering Corporation, Newark, N. J. Radio loud speakers, head sets, etc., and electric water heaters. 224,126; Apr. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Hops. E. Clemens Horst Co. 211,999; Apr. 20.

CLASS 2.

Tanks, Pressure. Duro Pump and Manufacturing Company. 211,899; Apr. 20; Serial No. 220,506; published Feb. 9, 1926.

CLASS 3.

Suitcases. New England Trunk Co. 211,740; Apr. 20; Serial No. 223,444; published Jan. 26, 1926.

CLASS 4.

Cleaners for carpets, rugs, furniture, etc. H. Stromberg. 211,704; Apr. 20; Serial No. 179,235; published Feb. 9, 1926.
Dressing, Automobile top. A. H. Holland. 211,736; Apr. 20; Serial No. 223,642; published Feb. 2, 1926.
Dressings, Automobile top. E. W. Richards. 211,912; Apr. 20; Serial No. 225,036; published Feb. 9, 1926.
Oil, Shoe. W. A. Bailey. 211,915; Apr. 20; Serial No. 224,492; published Feb. 9, 1926.
Polishes. J. Richardson. 211,734; Apr. 20; Serial No. 223,605; published Feb. 2, 1926.

CLASS 5.

Cement, Tire. C. A. Marsh. 211,749; Apr. 20; Serial No. 224,497; published Feb. 2, 1926.

CLASS 6.

Antifreezing compound for radiators. Colonial Drug & Sales Co. 211,763; Apr. 20; Serial No. 224,277; published Feb. 2, 1926.
Chemicals known as a boiler compound. Seminole Chemical Co. 211,724; Apr. 20; Serial No. 223,199; published Feb. 2, 1926.
Enzymes made of gastric juice. J. Spohr. 212,007; Apr. 20.
Medicinal compound for the treatment of constipation. Avri Drug & Chemical Company. 211,735; Apr. 20; Serial No. 223,617; published Jan. 26, 1926.
Medicine used in the treatment of bronchitis, asthma, and old lingering colds. E. Michaud. 211,967; Apr. 20.
Oil, Castor. G. Knewitz. 211,762; Apr. 20; Serial No. 224,337; published Feb. 2, 1926.
Perfumes, toilet water, face and sachet powders, etc. R. Toboul. 211,738; Apr. 20; Serial No. 223,668; published Jan. 26, 1926.

Peroxide of hydrogen. Hydrox Chemical Co. 211,989; Apr. 20.
Preparation for the digestive organs and the liver. C. F. Schibener. 211,752; Apr. 20; Serial No. 224,296; published Feb. 2, 1926.
Remedy for corns and bunions. Smith, Kline, & French Company. 211,697; Apr. 20; Serial No. 218,579; published Jan. 26, 1926.
Salve, Corn. J. Kissel. 211,991; Apr. 20.
Tablets, Nerve. Dr. Pierre Chemical Co. 212,016; Apr. 20.

CLASS 11.

Carbon paper. H. M. Storms Company. 211,785; Apr. 20; Serial No. 216,297; published Jan. 26, 1926.
Ink, Copying. J. J. Groetken. 211,851; Apr. 20; Serial No. 220,846; published Jan. 19, 1926.
Inks, Letter-press or typographic. Sigmund Ullman Company. 211,825; Apr. 20; Serial No. 223,342; published Feb. 2, 1926.
Inks, Writing. Cross-Fanning Manufacturing Company. 211,689; Apr. 20; Serial No. 220,336; published Jan. 19, 1926.
Typewriter ribbons and carbon papers. Queen Ribbon & Carbon Co. 211,853; Apr. 20; Serial No. 220,464; published Jan. 5, 1926.

CLASS 12.

Metal sheets for building purposes. Holorib, Incorporated. 212,002; Apr. 20.

CLASS 13.

Brass and other pipe and tubing. Chase Metal Works. 211,891; Apr. 20; Serial No. 224,001; published Feb. 9, 1926.
Corrugated culverts, plain conductor pipes, square corrugated conductor pipes, etc. Newport Rolling Mill Co. 211,692; Apr. 20; Serial No. 219,343; published Feb. 9, 1926.
Fencing, Wire. American Steel and Wire Company of New Jersey. 211,753; Apr. 20; Serial No. 224,372; published Jan. 26, 1926.
Hinges, Stanley Works. 211,757; Apr. 20; Serial No. 224,935; published Feb. 2, 1926.
Screens, Window. Rolscreen Company. 211,966; Apr. 20.
Strainers, Milk. Kimberly-Clark Company. 211,758; Apr. 20; Serial No. 224,823; published Feb. 2, 1926.

CLASS 15.

Candles, Decorative and ornamental. M. F. Alkire. 211,982; Apr. 20.
Gasoline. Pocahontas Oil Company. 211,885; Apr. 20; Serial No. 222,394; published Dec. 22, 1925.
Gasoline, Shell Company of California. 211,993; Apr. 20.

CLASS 17.

Cigars, cigarettes, and cut tobacco. Pego y Ca., S. en C. 211,718; Apr. 20; Serial No. 185,670; published Dec. 8, 1925.
Tobacco, Smoking. Smith & Scott Tobacco Co. 211,803; Apr. 20; Serial No. 224,680; published Feb. 9, 1926.

CLASS 19.

Carriages, Children's. J. R. Millen. 212,011; Apr. 20.

CLASS 21.

Advertising devices. Rao-Ad Company. 211,884; Apr. 20; Serial No. 222,399; published Jan. 26, 1926.
Air condensers, Variable. B. Grosser Sons, Inc. 211,776; Apr. 20; Serial No. 207,674; published May 26, 1925.
B batteries, also A batteries, loud speaker horns, phones, etc. Friedlander-Kopple Radio Service. 211,779; Apr. 20; Serial No. 211,263; published Jan. 19, 1926.
Batteries and parts thereof, Storage. Willard Storage Battery Company. 211,953; Apr. 20; Serial No. 223,673; published Feb. 2, 1926.
Batteries, Dry. S. Diamond. 211,721; Apr. 20; Serial No. 195,504; published Feb. 2, 1926.
Batteries, Electric. Consolidated Battery Company. 211,878; Apr. 20; Serial No. 222,665; published Jan. 26, 1926.
Batteries, Storage. Weber Battery Co. 211,995; Apr. 20.
Battery chargers, rectifiers, and filtering devices. Forest Electric Co. 211,872; Apr. 20; Serial No. 221,548; published Jan. 26, 1926.
Choke coil or impedance in filter circuits of electrical apparatus. American Transformer Company. 211,850; Apr. 20; Serial No. 220,934; published Jan. 26, 1926.
Circuit make and break devices, Automatic. G. S. White. 211,832; Apr. 20; Serial No. 222,902; published Jan. 5, 1926.
Clips, Connecting. Mueller Electric Company. 211,866; Apr. 20; Serial No. 223,100; published Feb. 2, 1926.
Condensers, Duplex Condenser & Radio Corporation. 211,766–7; Apr. 20; Serial Nos. 218,689–90; published Jan. 5, 1926.
Electric immersion heaters for liquids. M. H. Shoenberg. 211,988; Apr. 20.
Electric-lighting fixtures and electric-lighting-fixture units. Westinghouse Electric & Manufacturing Company. 211,952; Apr. 20; Serial No. 223,671; published Feb. 2, 1926.
Electric-lighting fixtures and parts thereof. F. W. Wakefield Brass Company. 211,933; Apr. 20; Serial No. 223,949; published Feb. 2, 1926.
Electric motors and generators. Leland Electric Co. 211,877; Apr. 20; Serial No. 222,685; published Feb. 2, 1926.
Electric power circuits, Electric control of the power demand and peak loads in. E. T. Moore. 211,875; Apr. 20; Serial No. 222,753; published Jan. 26, 1926.
Electric toasters. Waters-Genter Co. 212,020; Apr. 20.
Electrical hair-cutting machines. McKim Electric Company. 211,985; Apr. 20.
Electrical insulation. Bentley Harris Mfg. Co. 211,778; Apr. 20; Serial No. 209,612; published Jan. 19, 1926.
Electrical resistors. Dubilier Condenser & Radio Corporation. 211,865; Apr. 20; Serial No. 223,287; published Jan. 12, 1926.
Electrically recording and reproducing sound, Machines for. Record-O-Phone Company. 211,858–60; Apr. 20; Serial Nos. 223,411–13; published Feb. 2, 1926.
Electromagnetically recording and reproducing sound, Machines for. Record-O-Phone Company. 211,775; Apr. 20; Serial No. 205,837; published Dec. 29, 1925.
Fixture studs. S. R. Fralick & Company. 212,018; Apr. 20.
Heaters, Containers for electric. Fairfacts Company. 211,722; Apr. 20; Serial No. 195,810; published Feb. 2, 1926.
Ignition and starting apparatus, electric-lighting systems, etc. American Bosch Magneto Corporation. 211,829; Apr. 20; Serial No. 220,167; published Jan. 26, 1926.
Inductance coils. F. C. Vogan. 211,836; Apr. 20; Serial No. 222,893; published Feb. 2, 1926.
Insulations, Hard paper sheets for electrical. William Brand & Company. 211,714; Apr. 20; Serial No. 201,739; published Feb. 2, 1926.
Insulators, Electrical. Franklin Porcelain Company. 211,881; Apr. 20; Serial No. 222,502; published Feb. 2, 1926.
Lamp, Combination electric radiocabinet, shade, and table. H. B. Durinick. 211,782; Apr. 20; Serial No. 214,859; published Jan. 19, 1926.
Lamp, Electric. J. S. Scharf. 211,934; Apr. 20; Serial No. 223,944; published Feb. 2, 1926.
Lamps, Electric trouble. Comprex Oscillator Corp. 211,812; Apr. 20; Serial No. 221,808; published Jan. 19, 1926.
Lamps, Metal electric. Arrow Gauge and Valve Co. 211,932; Apr. 20; Serial No. 223,986; published Feb. 2, 1926.
Potentiometers and rheostats. Pilot Electric Manufacturing Company. 211,830; Apr. 20; Serial No. 220,035; published Jan. 19, 1926.
Radio and electrical apparatus, Coils for use in. Hazeltine Corporation. 211,799; Apr. 20; Serial No. 224,090; published Feb. 2, 1926.
Radio apparatus, Antennæ for. Apex Stamping Company. 211,879; Apr. 20; Serial No. 222,656; published Jan. 5, 1926.
Radiocondensers, radio receiving sets, aerial equipment, etc. Electrical Research Laboratories, Inc. 211,954; Apr. 20; Serial No. 223,698; published Jan. 19, 1926.
Radio detector crystals. W. Kenfield. 211,880; Apr. 20; Serial No. 222,507; published Feb. 2, 1926.
Radio electrical appliances. Electrical Research Laboratories. 211,774; Apr. 20; Serial No. 205,159; published Feb. 2, 1926.
Radio instruments, telephone jacks, etc., Vernier controls for. August Goertz & Co. 211,783; Apr. 20; Serial No. 215,566; published Jan. 26, 1926.
Radio plugs, jacks, switches, loops, coils, etc. Carter Radio Co. 211,862; Apr. 20; Serial No. 223,370; published Feb. 2, 1926.
Radio receiving apparatus and parts thereof. Veby Radio Co. 211,687; Apr. 20; Serial No. 222,392; published Jan. 19, 1926.
Radio receiving apparatus and parts thereof, Sets of complete. Fred. W. Goerdes Co. 211,883; Apr. 20; Serial No. 222,451; published Feb. 2, 1926.
Radio receiving sets. Argus Radio Corporation. 211,780; Apr. 20; Serial No. 211,965; published Jan. 19, 1926.
Radio receiving sets. Carillon Radio Co. 211,919; Apr. 20; Serial No. 224,320; published Feb. 2, 1926.
Radio receiving sets. L. D. Crouch. 211,901; Apr. 20; Serial No. 220,274; published Jan. 26, 1926.
Radio receiving sets. Gimbel Brothers, Inc. 211,856; Apr. 20; Serial No. 223,474; published Jan. 19, 1926.
Radio receiving sets. Gimbel Brothers, Inc. 211,857; Apr. 20; Serial No. 223,472; published Jan. 19, 1926.
Radio receiving sets. M. H. Jacob. 211,926; Apr. 20; Serial No. 223,846; published Feb. 2, 1926.
Radio receiving sets. Kodel Manufacturing Company. 211,709; Apr. 20; Serial No. 197,668; published Aug. 26, 1924.
Radio receiving sets. Stewart-Warner Speedometer Corporation. 211,781; Apr. 20; Serial No. 212,158; published Jan. 19, 1926.
Radio receiving sets. Valley Electric Company. 211,837; Apr. 20; Serial No. 222,891; published Jan. 5, 1926.

Radio receiving sets and/or parts and/or attachments pertaining to the same. R. R. Raymond. 211,965; Apr. 20.
Radio receiving sets and parts thereof. Sleeper Radio Corporation. 211,889; Apr. 20; Serial No. 224,059; published Feb. 2, 1926.
Radio receiving sets and parts thereof, Crystal. A. J. Forbes. 211,777; Apr. 20; Serial No. 208,749; published Feb. 2, 1926.
Radio receiving sets, etc., Complete. Metro Electric Co. 211,923; Apr. 20; Serial No. 224,102; published Feb. 2, 1926.
Radio receiving sets, loud speakers, and radio parts. H. Rinkenberger. 211,852; Apr. 20; Serial No. 220,472; published Feb. 2, 1926.
Radio receiving sets, loud speakers, radio telephone receivers, etc. Bailey & Company. 211,795; Apr. 20; Serial No. 223,895; published Feb. 2, 1926.
Radio receiving sets, parts thereof, and loop antennæ therefor. Reichmann Company. 211,950; Apr. 20; Serial No. 223,604; published Feb. 2, 1926.
Radio receiving sets, tuning units, dials, etc. Electrical Research Laboratories, Inc. 211,986; Apr. 20.
Radiotransformers. Ford Radio & Mica Corporation. 211,844; Apr. 20; Serial No. 221,813; published Jan. 19, 1926.
Resistance elements. Pilot Electric Manufacturing Company. 211,706; Apr. 20; Serial No. 218,775; published Jan. 19, 1926.
Signal stand, Electrically illuminated crossroad. P. L. Smith. 211,720; Apr. 20; Serial No. 194,958; published Feb. 2, 1926.
Signs, Transparency display. J. G. Morgan & Company. 211,770; Apr. 20; Serial No. 202,756; published Feb. 2, 1926.
Spark plugs. Primo Spark Plug Company. 211,838; Apr. 20; Serial No. 223,603; published Jan. 19, 1926.
Spark timers. Toledo Timer Co. 211,886; Apr. 20; Serial No. 222,353; published Jan. 26, 1926.
Telephone plugs, rheostats, switches, etc. Howard Radio Company. 211,893; Apr. 20; Serial No. 221,611; published Jan. 19, 1926.
Transformers. Liberty Transformer Co. 211,834; Apr. 20; Serial No. 221,555; published Jan. 19, 1926.
Vacuum cleaners and parts thereof, Electric. Electric Vacuum Cleaner Company. 211,918; Apr. 20; Serial No. 224,324; published Feb. 2, 1926.
Vacuum tubes. N. Goldman. 211,831; Apr. 20; Serial No. 220,021; published Jan. 26, 1926.
Vacuum tubes. Perryman Electric Company. 211,874; Apr. 20; Serial No. 222,762; published Jan. 26, 1926.
Welding machines and parts thereof, Electric. American Electric Fusion Corporation. 211,854; Apr. 20; Serial No. 220,440; published Feb. 2, 1926.
Welding machines, Electrical. Acme Steel Goods Company. 211,947; Apr. 20; Serial No. 185,998; published Feb. 2, 1926.
Wire, electric contact pieces, core and armature parts, etc., Electric. Chemical Treatment Company. 211,707; Apr. 20; Serial No. 219,805; published Jan. 26, 1926.

CLASS 22.

Golf clubs and tennis rackets. Leather grips for. Runchey Grip Mfg. Co. 211,938; Apr. 20; Serial No. 210,810; published Feb. 9, 1926.
Toy locomotives, parts of toy locomotives, and sets of toy-locomotive parts. M. Forchheimer. 211,861; Apr. 20; Serial No. 223,381; published Jan. 19, 1926.

CLASS 23.

Machines for pasteurizing and ripening milk, ice-cream-brick cutters, churns, sanitary vats, etc. J. G. Cherry Company. 212,021; Apr. 20.
Power-transmission appliances. T. B. Wood's Sons Company. 211,693; Apr. 20; Serial No. 219,100; published Dec. 1, 1925.
Tractors. H. E. Bullock. 211,979; Apr. 20.
Vehicles, Transmission for motor. Price-Hollister Co. 211,695; Apr. 20; Serial No. 218,827; published Sept. 29, 1925.
Vending machines. Columbus Vending Company. 211,712; Apr. 20; Serial No. 200,612; published May 19, 1925.
Waxing and polishing floors and floor coverings, Apparatus for. S. L. Products Company. 211,927; Apr. 20; Serial No. 214,977; published July 28, 1925.

CLASS 24.

Clothespins. Utility Manufacturing Co. 211,816; Apr. 20; Serial No. 222,291; published Feb. 2, 1926.
Ironing machines. Almetal Manufacturing Company. 211,951; Apr. 20; Serial No. 223,615; published Jan. 26, 1926.
Laundry appliances. J. S. Waterhouse. 212,017; Apr. 20.
Laundry nets. Tingue, Brown & Co. 211,717; Apr. 20; Serial No. 184,002; published Jan. 19, 1926.
Washing machines and combined clothes-washing machines and wringers, Clothes. Trayway Mfg. Co. 211,814; Apr. 20; Serial No. 221,937; published Jan. 19, 1926.
Washing machines, Clothes or laundry. Modern Laundry Machine Manufacturing Company. 211,824; Apr. 20; Serial No. 223,249; published Feb. 2, 1926.

CLASS 26.

Spectacles, eyeglasses, goggles, and lens. O. Zeman. 211,906; Apr. 20; Serial No. 217,595; published Feb. 2 1926.

CLASS 27.

Watch and clock cases, movements, dials, and parts thereof. N. M. Morris. 211,863; Apr. 20; Serial No. 223,317; published Jan. 19, 1926.
Watch movements and watchcases. Illinois Watch Case Company. 211,955–8; Apr. 20; Serial Nos. 223,718–21; published Jan. 26, 1926.
Watch movements and watchcases. Illinois Watch Case Company. 211,959; Apr. 20; Serial No. 223,723; published Jan. 26, 1926.
Watch movements and watchcases. Illinois Watch Case Company. 211,960–1; Apr. 20; Serial Nos. 223,725–6; published Jan. 26, 1926.
Watch movements and watchcases. Illinois Watch Case Company. 212,012; Apr. 20.
Watches, watchcases, watch movements, and parts thereof. H. G. Kaufman. 211,847; Apr. 20; Serial No. 221,707; published Jan. 19, 1926.

CLASS 28.

Bracelets, necklace snaps, carrings, etc. W. E. Kennison. 211,864; Apr. 20; Serial No. 223,305; published Jan. 5, 1926.
Buttons, Separable cuff. J. V. Pilcher. 211,702; Apr. 20; Serial No. 210,315; published June 23, 1925.
Candlesticks, vases, bowls, etc. Elgin Silversmith Co. 211,904; Apr. 20; Serial No. 218,250; published Feb. 2, 1926.
Chains, finger rings, bracelets, shirt studs, etc., Ornamental. Forstner Chain Corporation. 212,015; Apr. 20.
Jewelry and purses. Lippmann, Spier & Hahn. 211,936; Apr. 20; Serial No. 223,851; published Jan. 19, 1926.
Pearls and pearl necklaces. Carson Pirie Scott & Co. 211,715; Apr. 20; Serial No. 201,882; published Jan. 12, 1926.
Pearls and reproductions of pearls, Strings of. L. Heller & Son, Inc. 211,710; Apr. 20; Serial No. 200,495; published Jan. 5, 1926.
Pins and finger rings, emblems, lodge pins, pocket coins, etc., Class. Jewel Emblem Mfg. Co. 212,019; Apr. 20.
Rings and finger-ring mountings, Finger. Baskin Brothers. 211,846; Apr. 20; Serial No. 221,735; published Jan. 12, 1926.
Rings, Finger. Holotin & Sheinin. 211,888; Apr. 20; Serial No. 222,303; published Jan. 19, 1926.
Rings, Finger. Stern & Stern, Inc. 211,842; Apr. 20; Serial No. 222,288; published Jan. 19, 1926.
Silver-plated tableware, Flat. W. T. Grant Company. 211,849; Apr. 20; Serial No. 220,948; published Jan. 12, 1926.
Tableware, toilet articles, and jewelry. F. Le Bron. 211,939; Apr. 20; Serial No. 209,996; published Feb. 2, 1926.

CLASS 29.

Brushes, Painters'. Solo-Horton Brush Company. 211,978; Apr. 20.
Brushes, Painters'. Solo-Horton Brush Company. 211,997–8; Apr. 20.
Mops. Parker-Regan Mfg. Co. 211,987; Apr. 20.

CLASS 31.

Ice boxes and refrigerators. Fairfield Manufacturing Co. 211,946; Apr. 20; Serial No. 191,062; published Feb. 9, 1926.

CLASS 32.

Furniture, Household. Select Furniture Corporation. 211,983; Apr. 20.
Pillows. Chas. Emmerich & Co. 211,755; Apr. 20; Serial No. 225,009; published Feb. 2, 1926.

CLASS 33.

Glassware. J. E. Marsden Glass Works, Inc. 212,003; Apr. 20.

CLASS 34.

Burners, Oil. J. B. Baker. 212,010; Apr. 20.
Ventilators, Hygienic. Niagara Metal Weather Strip Co. 212,004; Apr. 20.

CLASS 35.

Rubber inner-tube patches. W. Anderson. 211,732; Apr. 20; Serial No. 223,361; published Feb. 2, 1926.
Tires, Interliners for automobile. E. E. Landin. 211,974; Apr. 20.
Tires, Nonmetallic pneumatic. National Tire & Rubber Company. 211,725; Apr. 20; Serial No. 223,252; published Feb. 2, 1926.

CLASS 36.

Banjo ukulele. Musical Specialties Company. 211,870; Apr. 20; Serial No. 222,936; published Jan. 12, 1926.
Instruments, String. C. Bruno & Son, Inc. 211,990; Apr. 20.
Mouth organs, accordions, violins, etc. Ands, Koch A.-G. 211,786–7; Apr. 20; Serial Nos. 204,000–1; published Jan. 12, 1926.
Musical instruments. Winter & Co. 211,818; Apr. 20; Serial No. 222,360; published Feb. 2, 1926.

Musical instruments, Stringed. Henry Stadlmair Co. 211,765; Apr. 20; Serial No. 218,505; published Jan. 19, 1926.
Organs, accordions, harmonica flutes, etc., Mouth. Ands. Koch A.-G. 211,772–3; Apr. 20; Serial Nos. 203,998–9; published Jan. 12, 1926.
Organs, Mouth. Ands. Koch A.-G. 211,771; Apr. 20; Serial No. 203,997; published Jan. 19, 1926.
Phonograph records, phonograph apparatus for recording and reproducing sounds, etc. Columbia Phonograph Company. 211,835; Apr. 20; Serial No. 221,095; published Jan. 12, 1926.
Pianos. Cable Company. 211,935; Apr. 20; Serial No. 223,898; published Jan. 26, 1926.
Pianos and player pianos. E. P. Johnson Piano Co. 212,022; Apr. 20.
Pianos and radio receiving sets, grand pianos combinable with radio receiving sets, etc., Combined grand. Premier Grand Piano Corporation. 212,006; Apr. 20.
Pianos, Player. Janssen Piano Co. 211,920; Apr. 20; Serial No. 224,283; published Feb. 2, 1926.
Styli for use with phonographic apparatus. W. H. Bagshaw Co. 211,882; Apr. 20; Serial No. 222,493; published Jan. 19, 1926.
Talking machines or phonographs or other like musical instruments, Mechanical motor for. General Phonograph Corporation of Canada, Ltd. 211,930; Apr. 20; Serial No. 213,233; published Feb. 2, 1926.
Talking machines, parts thereof, and records for talking machines. Victor Talking Machine Company. 211,868; Apr. 20; Serial No. 223,064; published Jan. 12, 1926.
Talking machines, phonographs, phonograph needles, etc. Sonora Phonograph Corporation. 211,716; Apr. 20; Serial No. 114,588; published Aug. 12, 1919.
Ukuleles and banjo ukuleles. Manhattan Band Instrument Co. 211,871; Apr. 20; Serial No. 222,930; published Jan. 12, 1926.
Violins, mandolins, guitars, etc. J. E. Hillebrandt. 211,784; Apr. 20; Serial No. 210,677; published Jan. 5, 1926.

CLASS 37.

Metal art goods. Heintz Art Metal Shop. 211,694; Apr. 20; Serial No. 219,033; published Feb. 9, 1926.
Pads, blank booklets, ruled booklets, etc., Blank. M. H. Davidson Company. 211,686; Apr. 20; Serial No. 221,451; published Feb. 9, 1926.
Paper and envelopes, correspondence cards and envelopes, etc., Writing. Woodward & Lothrop. 211,922; Apr. 20; Serial No. 224,168; published Feb. 9, 1926.
Paper, Continuous-feed device for dispensing writing. M. Moran. 211,696; Apr. 20; Serial No. 218,714; published Feb. 9, 1926.
Paper, Envelope. Northwest Paper Company. 211,843; Apr. 20; Serial No. 222,134; published Feb. 9, 1926.
Paper, Toilet. Hoberg Paper & Fibre Company. 211,690–1; Apr. 20; Serial Nos. 219,743–4; published Feb. 9, 1926.
Paper, Tracing. Keuffel & Esser Company. 211,839–41; Apr. 20; Serial Nos. 223,524–6; published Feb. 9, 1926.
Paper, Wall. A. C. Dodman, Jr., Inc. 211,962; Apr. 20; Serial No. 223,772; published Feb. 9, 1926.
Registers and printed stationery in reel-wound form for use in autographic registers, Autographic. Hamilton Autographic Register Co. 212,013; Apr. 20.
Stationery forms. W. T. Manning. 211,845; Apr. 20; Serial No. 221,749; published Feb. 9, 1926.

CLASS 38.

Bonds, Real-estate first-mortgage. Capital Mortgage Corporation. 211,760; Apr. 20; Serial No. 224,499; published Feb. 2, 1926.
Cartoons in newspaper publications, Title for. W. C. Quinn. 211,733; Apr. 20; Serial No. 223,410; published Jan. 19, 1926.
Labels and tags. Worumbo Manufacturing Company. 211,703; Apr. 20; Serial No. 206,101; published Feb. 9, 1926.
Lithographs, photographs, advertising cuts and mats, and press books. Arrow Film Corporation. 211,705; Apr. 20; Serial No. 169,998; published Feb. 9, 1926.
Magazine, Annual. G. M. MacDonough. 211,764; Apr. 20; Serial No. 224,256; published Jan. 19, 1926.
Magazine, Monthly. Camera Craft Publishing Company. 211,855; Apr. 20; Serial No. 223,501; published Feb. 9, 1926.
Magazine, Monthly. Kingman and Walton. 211,731; Apr. 20; Serial No. 223,390; published Feb. 2, 1926.
Magazine, Monthly. Plumbers Trade Journal Publishlishing Co. 211,747; Apr. 20; Serial No. 224,149; published Jan. 19, 1926.
Magazine news section Title for a. Porter-Langtry Company. 211,746; Apr. 20; Serial No. 224,046; published Jan. 26, 1926.
Magazine, Periodical. V. Arning. 211,848; Apr. 20; Serial No. 222,362; published Feb. 2, 1926.
Magazine, Weekly. Atlas Publishing Company. 211,876; Apr. 20; Serial No. 222,725; published Feb. 9, 1926.
Magazine, Weekly. Modern Publications, Inc. 211,761; Apr. 20; Serial No. 224,415; published Jan. 19, 1926.
Newspaper columns. Shepard Norwell Co. 211,833; Apr. 20; Serial No. 221,641; published Feb. 9, 1926.
Newspaper, Title of a daily comic strip in Evening World. Press Publishing Company. 211,963; Apr. 20; Serial No. 223,802; published Feb. 9, 1926.
Nom de plume for particular column of news in newspaper. Morning Telegraph Company. 211,902; Apr. 20; Serial No. 219,540; published Nov. 24, 1925.
Periodical, Weekly. La Guardia Publishing Co. 211,759; Apr. 20; Serial No. 224,609; published Jan. 19, 1926.
Periodical, Weekly. E. Rose. 211,737; Apr. 20; Serial No. 223,660; published Jan. 19, 1926.
Publication issued monthly. Bunting Publications, Inc. 211,728; Apr. 20; Serial No. 223,365; published Feb. 2, 1926.
Publications, Series of monthly. Jacobsen-Hodgkinson Corporation. 211,754; Apr. 20; Serial No. 223,174; published Jan. 12, 1926.

CLASS 39.

Bandeau and girdle, Combination one-piece. Mills Corset Company. 211,910; Apr. 20; Serial No. 216,065; published Feb. 2, 1926.
Bandeaux, girdles, and belts. H. & W. Company. 211,822; Apr. 20; Serial No. 223,120; published Feb. 2, 1926.
Boots and shoes, Leather and canvas. C. H. Brown. 211,699; Apr. 20; Serial No. 215,501; published Feb. 2, 1926.
Caps, Bathing. Surf Cap Company. 211,970; Apr. 20.
Coats, slickers, and caps, etc., Waterproof. Seattle Tent & Awning Co. 211,976; Apr. 20.
Corsets. John Wanamaker, New York. 211,892; Apr. 20; Serial No. 221,791; published Feb. 2, 1926.
Corsets, girdles, and underwear for women and children. Olmstead Corporation. 211,821; Apr. 20; Serial No. 222,938; published Feb. 2, 1926.
Dress pieces which are made up in dresses, Incomplete. York Manufacturing Co. Inc. 211,981; Apr. 20.
Dresses. C. Hoffman. 211,984; Apr. 20.
Dresses, coats, suits, and skirts, Ladies'. H. W. Ginsburg. 211,701; Apr. 20; Serial No. 213,780; published Feb. 2, 1926.
Frocks, dresses, coats, and suits. Marcus Saul, Inc. 211,973; Apr. 20.
Gloves. Gates, Mills & Driscoll, Inc. 211,828; Apr. 20; Serial No. 223,435; published Feb. 2, 1926.
Gloves, Leather and kid. Steinberger Bros. Lobl. Co. 211,948–9; Apr. 20; Serial Nos. 178,778–9; published Apr. 7, 1925.
Gloves, mittens, and gauntlets. M. B. Hamilton & Co. 211,789; Apr. 20; Serial No. 223,783; published Feb. 2, 1926.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 211,813; Apr. 20; Serial No. 221,824; published Feb. 2, 1926.
Hats, Children's. Fishbein & Kapian. 211,944; Apr. 20; Serial No. 193,997; published June 16, 1925.
Hats for men, Felt. F. Berg & Co. 211,788; Apr. 20; Serial No. 223,834; published Feb. 2, 1926.
Hats, Men's. Long's Hat Stores. 211,909; Apr. 20; Serial No. 216,191; published Feb. 2, 1926.
Hats, Men's. Miller Bros. Hat Co. 211,908; Apr. 20; Serial No. 216,686; published Feb. 2, 1926.
Hosiery. Magnet Knitting Mills. 211,977; Apr. 20.
Hosiery. McClintock-Field Co., Inc. 211,972; Apr. 20.
Hosiery. S. M. Pick. 211,698; Apr. 20; Serial No. 217,363; published Jan. 5, 1926.
Lingerie or women's underwear, vests, bloomers, etc. Oswego Rayon Corporation. 211,742; Apr. 20; Serial 223,938; published Feb. 2, 1926.
Shirts, Dress and negligee. Cluett, Peabody & Co. 211,971; Apr. 20.
Shirts, Work. Steiner-Lobman Dry Goods Company. 211,739; Apr. 20; Serial No. 223,420; published Feb. 2, 1926.
Shoes. A. J. Bates Company. 211,925; Apr. 20; Serial No. 143,086; published Feb. 2, 1926.
Shoes. H. Childs & Co. Inc. 211,800; Apr. 20; Serial No. 224,178; published Feb. 2, 1926.
Shoes. B. Cook. 211,790; Apr. 20; Serial No. 223,622; published Feb. 2, 1926.
Shoes, Sportocasin Co. 211,916; Apr. 20; Serial No. 224,433; published Jan. 19, 1926.
Shoes, Tuttle-Scott Stores, Inc. 211,792–3; Apr. 20; Serial Nos. 223,561–2; published Feb. 2, 1926.
Shoes, Children's leather, Blog Shoe Finding Co. 211,794; Apr. 20; Serial No. 223,891; published Feb. 2, 1926.
Shoes, Leather. Forbush Shoe Company. 211,817; Apr. 20; Serial No. 222,318; published Feb. 2, 1926.
Shoes, Leather. Lowell-Thomas Shoe Corporation 211,826; Apr. 20; Serial No. 223,396; published Feb. 2, 1926.
Shoes of leather. Lord & Taylor. 211,975; Apr. 20.
Soles, Shoe. C. A. Johnson. 211,905; Apr. 20; Serial No. 218,012; published Feb. 2, 1926.
Suits for men, Blue-serge. Jaffe Bros. 211,743; Apr. 20; Serial No. 223,963; published Feb. 2, 1926.
Undergarments, Women's fitted. Weingarten Bros. 211,942; Apr. 20; Serial No. 203,549; published Feb. 2, 1926.

CLASS 41.

Umbrellas. Best & Co. 211,727; Apr. 20; Serial No. 223,280; published Feb. 2, 1926.
Umbrellas, Women's. Woodward & Lothrop. 211,726; Apr. 20; Serial No. 223,267; published Jan. 26, 1926.

CLASS 42.

Chambray, cheviot, and denims in the piece. Stonewall Cotton Mills. 212,008; Apr. 20.

Cotton, woolen, linen, and silk goods and rayon materials. Phillips Bros. & Co. 211,996; Apr. 20.

Silk, artificial silk, and combinations thereof, Woven fabrics of. Amaranth Fabrics, Inc. 211,805; Apr. 20; Serial No. 224,738; published Feb. 9, 1926.

Silk, artificial silk, cotton, or combinations thereof in the piece. Ullman-Levinthal Silks Corporation. 211,806; Apr. 20; Serial No. 224,789; published Feb. 9, 1926.

Silk piece goods. L. & E. Stirn. 212,000; Apr. 20.

Textile fabrics. Goldstein-Wilkins Corporation. 211,808; Apr. 20; Serial No. 225,414; published Feb. 9, 1926.

Textile fabrics, Worsted and woolen. Holden-Leonard Co. 211 804; Apr. 20; Serial No. 224,706; published Feb. 9, 1926.

Wool and cotton piece goods. Appleton Company. 211,811; Apr. 20; Serial No. 225,546; published Feb. 9, 1926.

Wool cloth in the piece. S. Stroock & Co. 211,931; Apr. 20; Serial No. 211,393; published Feb. 9, 1926.

CLASS 45.

Beverages sold as soft drinks. E. & H. Bottling Co. 211,750; Apr. 20; Serial No. 224,238; published Feb. 2, 1926.

Water, Battery. Jack Frost Beverage Company. 211,924; Apr. 20; Serial No. 224,093; published Feb. 9, 1926.

Water for drinking purposes. C. S. Smith. 211,802; Apr. 20; Serial No. 224,627; published Feb. 9, 1926.

CLASS 46.

Apples, Fresh. Earl Fruit Company. 211,823; Apr. 20; Serial No. 223,221; published Jan. 19, 1926.

Bread. J. A. Dietzen. 211,741; Apr. 20; Serial No. 223,506; published Jan. 26, 1926.

Bread. Purity Baking Co. 211,945; Apr. 20; Serial No. 193,420; published Oct. 28, 1924.

Bread, biscuits, and cakes. H. Gold. 211,744; Apr. 20; Serial No. 224,015; published Jan. 26, 1926.

Butter used for making ice cream, Sweet. Southern Creameries, Inc. 211,827; Apr. 20; Serial No. 223,418; published Feb. 2, 1926.

Candies. Honolulu Dairymen's Association, Ltd. 212,014; Apr. 20.

Candies. Marbenk Co. 211,941; Apr. 20; Serial No. 204,664; published Feb. 9, 1926.

Candy. Edw. M. Becker Company. 211,921; Apr. 20; Serial No. 224,227; published Feb. 9, 1926.

Candy. Candy Products Company. 211,729; Apr. 20; Serial No. 223,368; published Jan. 19, 1926.

Candy. Golden Nugget Sweets. 211,730; Apr. 20; Serial No. 223,384; published Jan. 26, 1926.

Candy. Hawley & Hoops. 211,768; Apr. 20; Serial No. 202,112; published Jan. 6, 1925.

Candy. Philadelphia Jobbing Confectioners' Association. 211,887; Apr. 20; Serial No. 222,340; published Feb. 9, 1926.

Candy and candy preparations. Mexican Pecan Candy Co. 211,791; Apr. 20; Serial No. 223,588; published Feb. 9, 1926.

Canned berries, fruits, and vegetables. Everett Fruit Products Company. 211,719; Apr. 20; Serial No. 194,168; published Jan. 27, 1925.

Canned clams. Warrenton Clam Company. 211,815; Apr. 20; Serial No. 221,987; published Feb. 2, 1926.

Canned fruits. Pelling, Stanley & Co. 211,769; Apr. 20; Serial No. 202,637; published Dec. 8, 1925.

Canned fruits and dried fruits and canned vegetables. Coykendall, Inc. 211,897; Apr. 20; Serial No. 221,241; published Feb. 9, 1926.

Canned fruits and vegetables. Fred B. Neuhoff Company. 211,807; Apr. 20; Serial No. 224,825; published Feb. 9, 1926.

Canned fruits and vegetables. United States Products Corporation. 211,911; Apr. 20; Serial No. 225,211; published Feb. 9, 1926.

Canned fruits and vegetables; canned, condensed, and evaporated milk; coffee, chili sauce, etc. W. H. Pollard. 211,894–5; Apr. 20; Serial Nos. 221,450–1; published Feb. 2, 1926.

Canned peas, beans, and beets. Gillett Canning Company. 211,890; Apr. 20; Serial No. 224,012; published Feb. 9, 1926.

Canned salmon. Northwestern Fisheries Company. 211,708; Apr. 20; Serial No. 195,828; published Sept. 16, 1924.

Canned vegetables. Francis H. Leggett & Company. 211,907; Apr. 20; Serial No. 217,163; published Dec. 29, 1925.

Canned vegetables and fruits, fruit jams, etc. Charles Hewitt & Sons Co. 211,688; Apr. 20; Serial No. 220,532; published Jan. 26, 1926.

Canned vegetables, fish, and fruit. Banner Wholesale Grocery Co. 211,797; Apr. 20; Serial No. 223,992; published Feb. 9, 1926.

Coffee. John H. Wilkins Co. 211,929; Apr. 20; Serial No. 214,299; published Feb. 9, 1926.

Coffee. John H. Wilkins Co. 211,937; Apr. 20; Serial No. 214,298; published Feb. 9, 1926.

Confections. Aktiebolaget Pastill. 211,943; Apr. 20; Serial No. 202,233; published Mar. 3, 1925.

Cookies, cakes, and wafers. Paul Schulze Biscuit Co 211,869; Apr. 20; Serial No. 222,950; published Jan. 5, 1926.

Cooking fat and shortening. P. A. Sherikjian. 211,903; Apr. 20; Serial No. 219,352; published Feb. 9, 1926.

Eggs. Mutual Creamery Company. 211,745; Apr. 20; Serial No. 224,035; published Jan. 26, 1926.

Figs, Fresh, canned, and preserved. Beaumont-Hamshire Fig Company. 211,964; Apr. 20; Serial No. 213,612; published Feb. 9, 1926.

Flour, Wheat. Knollenberg Milling Company. 211,748; Apr. 20; Serial No. 224,192; published Feb. 2, 1926.

Flour, Wheat. Pillsbury Flour Mills Company. 211,992; Apr. 20.

Food, Prepared stock. Pro-Lac Milling Company. 211,751; Apr. 20; Serial No. 224,293; published Feb. 2, 1926.

Fruit paste for bakers' and confectioners' use. Carl H. Hartmann Co. Inc. 211,798; Apr. 20; Serial No. 224,022; published Feb. 2, 1926.

Fruits, Dried. Prince Dried Fruit Co. 211,896; Apr. 20; Serial No. 221,029; published Feb. 9, 1926.

Fruits, vegetables, grapes, cantaloupes, and berries. W. W. Wilson. 211,711; Apr. 20; Serial No. 200,593; published Feb. 17, 1925.

Grapes, Fresh. Frey Bros. 211,940; Apr. 20; Serial No. 205,521; published Feb. 9, 1926.

Grapes, Fresh. Hahn & Livingston Packing Co. 211,898; Apr. 20; Serial No. 221,007; published Feb. 9, 1926.

Grapes, Fresh. M. D. Hopper. 211,900; Apr. 20; Serial No. 220,303; published Feb. 9, 1926.

Groceries. Consumers' Wholesale Supply Company. 211,980; Apr. 20.

Gum, Chewing. American Chicle Company. 211,913; Apr. 20; Serial No. 224,854; published Feb. 9, 1926.

Gum, Chewing. Goudey Gum Co. 211,809–10; Apr. 20; Serial Nos. 225,415–16; published Feb. 9, 1926.

Ham, bacon, sausages, smoked beef, and pork. Jacob Forst Packing Company. 211,928; Apr. 20; Serial No. 214,542; published Feb. 9, 1926.

Lard and meats, Leaf. Kroger Grocery & Baking Co. 211,820; Apr. 20; Serial No. 222,682; published Feb. 9, 1926.

Malt extract for food purposes, Dried. Schreiber Products Corporation. 211,723; Apr. 20; Serial No. 223,196; published Jan. 26, 1926.

Malt sirup for food purposes. K. B. Malt Co. 211,968–9; Apr. 20.

Milk, buttermilk, ice cream and ices, cheese, etc., Raw. Supplee-Wills-Jones Milk Company. 211,994; Apr. 20.

Oleomargarine. Jaburg Brothers, Inc. 211,873; Apr. 20; Serial No. 221,489; published Dec. 15, 1925.

Oranges. Strathmore Fruit Growers Association. 211,700; Apr. 20; Serial No. 215,222; published Feb. 9, 1926.

Oranges, lemons, and grapefruit, Fresh. North Whittier Heights Citrus Association. 212,009; Apr. 20.

Oranges, tangerines, tangelos, lemons, limes, etc. Lake Ariana Packing Co. 211,819; Apr. 20; Serial No. 222,511; published Feb. 9, 1926.

Pastry wafers. Cake Cone Co. 211,713; Apr. 20; Serial No. 201,429; published Sept. 29, 1925.

Peanut butter. Wm. T. Mullikin Co. 212,005; Apr. 20.

Prunes, peaches, figs, and apricots and canned prunes, Dried. W. A. Alderman. 212,023; Apr. 20.

Salad dressing. H. Valentine. 211,796; Apr. 23; Serial No. 223,976; published Feb. 2, 1926.

Salad dressings. H. L. Van Blarcom. 211,756; Apr. 20; Serial No. 224,039; published Jan. 26, 1926.

Sardines, Bottled and canned. S. S. Simon. 211,917; Apr. 20; Serial No. 224,364; published Feb. 9, 1926.

Tea. T. Kageyama. 211,867; Apr. 20; Serial No. 223,094; published Feb. 9, 1926.

Tomatoes, Fresh. Union Fruit Co. 211,914; Apr. 20; Serial No. 224,849; published Feb. 9, 1926.

CLASS 48.

Sirup for beverage purposes, Malt. Unity Beverage Company. 212,001; Apr. 20.

CLASS 49.

Whisky. Baltimore Distilling Co. 211,801; Apr. 20; Serial No. 224,540; published Feb. 9, 1926.

ALPHABETICAL LIST OF LABELS.

Asmagon. For a Remedy for Asthma. B. M. Northrup. 30,230; Apr. 20.

Beech-Nut "Mints" Peppermint. For Candy. Beech-Nut Packing Company. 30,206; Apr. 20.

Beech-Nut "Mints" Spearmint. For Candy. Beech-Nut Packing Company. 30,204; Apr. 20.

Beech-Nut "Mints" Wintergreen. For Candy. Beech-Nut Packing Company. 30,205; Apr. 20.

Cain's Better Coffee. For Coffee. Western Coffee & Tea Co. 30,242; Apr. 20.

Cain's Better Extracts. For Extracts and Flavors for Food Purposes. Western Coffee & Tea Co. 30,243; Apr. 20.

Cain's Better Tea. For Teas. Western Coffee & Tea Co. 30,244; Apr. 20.

Campho Lac. For Antiseptic Lotion. Campho Lac Company. 30,214; Apr. 20.

Caroni Bitters. For a Liquid Patent Medicine. Caroni Products Co. 30,215; Apr. 20.

Certified By The Chicago Master Steamfitters Association. For Heating Apparatus. Chicago Master Steamfitters' Ass'n. 30,217; Apr. 20.

Charleston. For Candy Bars. W. W. C. Wholesale Company. 30,239; Apr. 20.

Colactin. For a Laxative. Charterfield Laboratories, Inc. 30,216; Apr. 20.

Crystal Motor Oil. For Motor Oil. Lake Shore Oil Co. Inc. 30,226; Apr. 20.

Delicious Health Bread. For Bread. Guthrie Mercantile Company. 30,222; Apr. 20.

Del Monte Brand Oleomargarine. For Oleomargarine. W. W. Benchley. 30,207; Apr. 20.

Dr. Sydney H. Harvey's Seasick Remedy. For Seasick Remedy. L. M. Harvey. 30,223; Apr. 20.

El Pensar. For Cigars. S & S Cigar Co. 30,232; Apr. 20.

Emily-Jane Cakes. For Homemade Cakes and Cookies. E. J. Spilman. 30,235; Apr. 20.

Florette Social Stationery. For Stationery and Envelopes. White & Wyckoff Mfg. Co. 30,245; Apr. 20.

Ice-Berg. For Sherbet Powder. B. Heller & Company. 30,224; Apr. 20.

Liberty Camp Water. For Treated Natural Mineral Water. A. C. Dittrich. 30,219; Apr. 20.

Mystico (Excel) Liquid Glass and Mirror Cleaner. For a Chemical Compound for Cleaning Glass. L. Laskow. 30,227; Apr. 20.

Nifty. For Carbonated Beverages. J. A. Gosnell. 30,221; Apr. 20.

Norwegian Cod Liver Oil. For Cod-Liver Oil. Buck & Rayner. 30,212; Apr. 20.

Nu-Type Cleaner. For Preparation for Cleaning Typewriters and All Metal or Rubber Type. S. Weinstein. 30,241; Apr. 20.

$1000.00 Guaranteed Fly Killer. For a Preparation for Killing Flies. B. Heller & Company. 30,225; Apr. 20.

Oregon Trail. For Candy Bars. W. W. C. Wholesale Company. 30,240; Apr. 20.

Pa-Poose. For Nonalcoholic Cordial. E. A. Zatarain & Sons, Inc. 30,247; Apr. 20.

Peel's Therapeutic Shoes. For Shoes. J. R. Ayres. 30,203; Apr. 20.

Pleasant Run Farm Brand Eggs. For Eggs. P. G. Simmons Company. 30,233; Apr. 20.

Pleasant Run Farm Creamery Butter. For Butter. P. G. Simmons Company. 30,234; Apr. 20.

Premier. For Figs. Francis H. Leggett & Co. 30,228; Apr. 20.

Redwood. For Pickles. California Picklers & Preservers, Incorporated. 30,213; Apr. 20.

Rice's Pan-Dandy Bread. For Bread. City Baking Company. 30,218; Apr. 20.

Ruby Bars. For Rhubarb Sold in Its Natural State. The Bloom Company. 30,208; Apr. 20.

Ry-Krisp. For Rye Breakfast Food. Ry-Krisp Company. 30,231; Apr. 20.

Star Liquid Stop Leak. For Liquid Stop-Leak Cement for Use in Radiators. Star Chemical Company. 30,236; Apr. 20.

Tacoma 2 in 1. For Trusses. United States Truss Co. 30,238; Apr. 20.

Taylor's Massage Balm. For Massage Balm for Bunions, Calli and Corns. W. H. Taylor. 30,237; Apr. 20.

Vegetarian Beans (5 ozs.). For Canned Beans. J. Branfman. 30,210; Apr. 20.

Vegetarian Beans (11 ozs.). For Canned Beans. J. Branfman. 30,209; Apr. 20.

Vegetarian Beans (18 ozs.). For Canned Beans. J. Branfman. 30,211; Apr. 20.

Ye Olde Time Stationery. For Stationery and Envelopes. White & Wyckoff Mfg. Co. 30,246; Apr. 20.

Yorkshire Farm. For Selected Eggs. John Morrell & Co. 30,229; Apr. 20.

Yubet. For Nonalcoholic Drinks. H. Fox & Co. 30,220; Apr. 20.

ALPHABETICAL LIST OF PRINTS.

Acipco Mono-Cast Pipe. For Centrifugally-Cast Pipe. American Cast Iron Pipe Company. 8,699; Apr. 20.

A Gift Box of Crane's Cordlinear. For Crane's Cordlinear. Eaton, Crane & Pike Co. 8,706; Apr. 20.

A New Improved Overall With Free Service. For Overalls and Overall Repair Parts. Signal Shirt Company. 8,716; Apr. 20.

A Source of Strength, A Wall of Defense—For the Growing Child, the Invalid, the Convalescent. For Cod-Liver Oil. E. R. Squibb & Sons. 8,731; Apr. 20.

As Pure as Squibb's . . . For Sodium Bicarbonate. E. R. Squibb & Sons. 8,726; Apr. 20.

Blue Band Velvet Pencils C-57. For Pencils. American Lead Pencil Company. 8,702; Apr. 20.

Blue Band Velvet Pencils No. 131. For Pencils. American Lead Pencil Company. 8,700; Apr. 20.

Boston's Year-Round Favorite. For Pureoxia Ginger Ale. Pureoxia Company. 8,713; Apr. 20.

Children Thrive on These Vitamins. For Cod-Liver Oil. E. R. Squibb & Sons. 8,729; Apr. 20.

Confidence the Foundation of a Successful Prescription Department. For Pharmaceuticals. E. R. Squibb & Sons. 8,732; Apr. 20.

Earl Cragg Pledges to You. For Men's Clothing and Wearing Apparel. Joseph & Feiss Co. 8,709; Apr. 20.

Get Your Money's Worth. For Overalls and Overall Repair Parts Signal Shirt Company. 8,718; Apr. 20.

Gordon Tire Covers—Save Spare Tires—Seat Covers—Save Upholstering. For Automobile Tire Covers and Seat Covers. J. P. Gordon Company. 8,707; Apr. 20.

Hello Everybody. For Pureoxia Ginger Ale. Pureoxia Company. 8,712; Apr. 20.

Here's An Illustration of Our New Signal Overall Service Station. For Overalls and Overall Repair Parts. Signal Shirt Company. 8,717; Apr. 20.

Here's The Biggest Idea in The Overall Business. For Overalls and Overall Repair Parts. Signal Shirt Company. 8,715; Apr. 20.

It Is Easier to Take Squibb's Epsom Salt. For Epsom Salt. E. R. Squibb & Sons. 8,730; Apr. 20.

Longchamps. For Stationery. Eaton, Crane & Pike Co. 8,705; Apr. 20.

Marine Herring. For Canned Herring. Heller Brothers Importing Co. 8,708; Apr. 20.

Now 40¢ A Tube Formerly 50¢. For Dental Cream. E. R. Squibb & Sons. 8,723; Apr. 20.

Or-Blos. For Toilet Water, Perfume, Face Powder, and Talcum. Or-Blos Company. 8,710; Apr. 20.

Pit and Fissure Decay . . . Cannot Be Controlled By the Tooth-Brush Alone. For Dental Cream. E. R. Squibb & Sons. 8,722; Apr. 20.

Roper Value. For Gas Ranges. Geo. D. Roper Corporation. 8,714; Apr. 20.

Squibb's Cod-Liver Oil Physiologically Tested For Vitamin Content. For Cod-Liver Oil. E. R. Squibb & Sons. 8,719; Apr. 20.

Squibb's Cod-Liver Oil (Vitamin-Tested) Unusually Rich in Body-Building, Disease-resisting Vitamins. For Cod-Liver Oil. E. R. Squibb & Sons. 8,720; Apr. 20.

The Greatest Study of Your Child's Health Ever Made. For Wheat Breakfast Food. Cream of Wheat Co. 8,704; Apr. 20.

The Purpose of the Squibb Educational Contest. For Household Drugs and Pharmaceutical Products. E. R. Squibb & Sons. 8,734; Apr. 20.

The Real Work of Protecting Your Teeth and Gums is up to Your Dentifrice. For Dental Cream. E. R. Squibb & Sons. 8,725; Apr. 20.

There's Only One 'B. V. D.' For Athletic Underwear. B. V. D. Company. 8,708; Apr. 20.

There's Still Plenty of Time to Enter the Contest. For Dental Cream, Milk of Magnesia, Castor Oil, Cod-Liver Oil, Epsom Salt, and Bicarbonate of Soda. E. R. Squibb & Sons. 8,737; Apr. 20.

They Had Just Given Johnny a Spoonful—. For Castor Oil. E. R. Squibb & Sons. 8,728; Apr. 20.
Tinto-Tex. For Window Shades. Orchard & Wilhelm Co. 8,711; Apr. 20.
Unquestioned Purity and Quality . . . For Sodium Bicarbonate. E. R. Squibb & Sons. 8,733; Apr. 20.
Venus Pencil No. 3822 (No. 130). For Pencils. American Lead Pencil Company. 8,701; Apr. 20.
We Will Gladly Send You a Four-Ounce Sample of Squibb's Liquid Petrolatum. For Liquid Petrolatum. E. R. Squibb & Sons. 8,721; Apr. 20.
Why Millions of Men are Turning to Squibb's Dental Cream. For Dental Cream. E. R. Squibb & Sons. 8,736; Apr. 20.
Why Millions of Women Today Demand Squibb's Dental Cream. For Dental Cream. E. R. Squibb & Sons. 8,727; Apr. 20.
You've Been Going To Do It For Months—Now Let's Have Action. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Rochelle Salt, Dental Prophylactic, Epsom Salt, Castor Oil, Boric Acid, Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Milk Sugar, Sodium Phosphate, Analgesic Balm, Glycerin Suppositories, and Benzoinated Cream. E. R. Squibb & Sons. 8,724; Apr. 20.
You've Been Going to do it For Months—This Week Let's Have Action. For Dental Cream, Sodium Bicarbonate, Cod-Liver Oil, Milk of Magnesia, Epsom Salt, Castor Oil, Rochelle Salt, Dental Prophylactic, Boric Acid Granular, Boric Acid Powder, Cold Cream, Talcum Powder, Nursery Powder, Zinc Stearate, Glycerin Suppositories, Benzoinated Cream, Milk Sugar, Sodium Phosphate, and Analgesic Balm. E. R. Squibb & Sons. 8,735; Apr. 20.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Lovett & Son. 226,777; Apr. 20.
Nursery products. Lake Wales Nurseries. 203,083; Apr. 20.

CLASS 2.

Receptacles used in shipping goods. Perin-Walsh Company. 220,618; Apr. 20.

CLASS 3.

Bags, Toilet. Mark Cross Company. 220,076; Apr. 20.

CLASS 4.

Boots and shoes, Compositions for treating leather and. Whittemore Bros. Corp. 221,992; Apr. 20.
Cleaner, glass polish, hand cleaner, valve-grinding compound, etc., Auto. S. J. Dalzelle. 219,661; Apr. 20.
Polish and leather dressings, Shoe. Whittemore Bros. Corp. 221,991; Apr. 20.
Polish, Glass. C. H. Smith. 228,391; Apr. 20.
Polish, Leather. Whittemore Bros. Corp. 223,010; Apr. 20.
Polish, Liquid. Majestic Products Corporation. 227,658; Apr. 20.
Polishes for leather goods. Whittemore Bros. Corp. 221,993; Apr. 20.
Polishes, Leather. Whittemore Bros. Corp. 221,990; Apr. 20.
Soap. A. Holtz. 227,354; Apr. 20.
Soap. James S. Kirk & Company. 227,950; Apr. 20.
Soap. James S. Kirk Company. 228,470; Apr. 20.
Soap and softener powder. F. A. McGowan. 228,385; Apr. 20.
Soap, Hand. M. C. De Witt. 227,265; Apr. 20.
Soaps. Parfumerie Roger et Gallet. 227,413; Apr. 20.
Soaps. Rex Products Company. 227,417; Apr. 20.
Steel wool. Williams Company. 227,331; Apr. 20.

CLASS 6.

Antiseptic. S. Halpern. 228,034; Apr. 20.
Antiseptic and antacid. A. D. Goldstein. 227,888; Apr. 20.
Antiseptic preparations. H. Bessemer. 227,982; Apr. 20.
Antiseptic solution for the treatment of catarrhal affections. R. D. Dingman. 228,597; Apr. 20.
Capsules for use in the treatment of catarrhal conditions of the genito-urinary tract, etc. Van Pelt and Brown. 228,012; Apr. 20.
Compound, Boiler. Three-M Manufacturing Company. 216,367; Apr. 20.
Compound soluble in water to aid in eliminating adipose tissue. M. H. Sims. 228,835; Apr. 20.
Creams, perfumes, rouges, nail polishes, etc., Face. Warner and Warner. 228,014; Apr. 20.
Disinfectants. Brand Neu Company. 228,640; Apr. 20.
Drug and medicinal preparation. Gumbo Limbo Corporation. 228,696; Apr. 20.
Dyes and dyestuffs. General Dyestuff Corporation. 228,310; Apr. 20.
Fungicide. B. Hammond. 227,350; Apr. 20.
Hair grower. R. Lewis. 228,714; Apr. 20.
Hair tonic. M. A. Hawkins. 209,342; Apr. 20.
Insecticides, Liquid. Lanair Chemical Corporation. 228,118; Apr. 20.
Laxative. Hance Brothers & White Inc. 228,651; Apr. 20.
Laxatives. Crescent Pharmacal Co. 223,463; Apr. 20.
Liniment. A. McLain. 228,613; Apr. 20.
Liniment. Z. F. Ward. 226,839; Apr. 20.
Medicinal compound. R. Armstrong. 228,167; Apr. 20.
Medicinal tablet. H. Schuberth. 223,197; Apr. 20.
Medicine. Van Pelt and Brown. 228,011; Apr. 20.
Medicine for reducing flesh. Kase Laboratories. 220,305; Apr. 20.
Mineral oil for chemical, medicinal, and pharmaceutical purposes. Standard Oil Company (New Jersey). 201,685; Apr. 20.
Perfumes, toilet waters, powders, rouges, etc. Societe Anonyme "Laboratoires Innoxa." 228,007; Apr. 20.
Pill or powder, Laxative. Hance Brother & White Inc. 228,652; Apr. 20.
Pills, Emmenagogue. J. Sunshine. 210,147; Apr. 20.
Powder, Insecticide. B. Hammond. 227,349; Apr. 20.
Powders, face creams, hair tonics, lip sticks, etc., Face. Hoppe & Hoppe. 225,192; Apr. 20.
Preparation for dandruff, falling hair, and for promoting the growth of hair. B. Oliva. 226,502; Apr. 20.
Preparation for keeping the hair in place after being combed. R. J. Ahrens. 209,604; Apr. 20.
Preparation for the relief of coughs, throat and bronchial irritations. F. O. Schenke. 227,914; Apr. 20.
Preparation for the treatment of asthma. W. B. Keeling. 225,156; Apr. 20.
Preparation, Toilet. Fife Products Corporation. 227,884; Apr. 20.
Remedy for constipation. S. C. Wells & Co. 225,901–2; Apr. 20.
Remedy for diseases of the urinary organs. Hance Brothers & White Inc. 228,650; Apr. 20.
Salt. Myles Salt Co. 194,732; Apr. 20.
Salve for the treatment of piles. W. E. Wattles. 228,629; Apr. 20.
Salve, Healing. B. Poulos. 225,444; Apr. 20.
Shampoo. Du-Kana, Inc. 228,032; Apr. 20.
Tablets, Antiseptic. Telapal Company. 228,673; Apr. 20.
Toilet supplies, Barbers'. Remick Products, Inc. 223,658; Apr. 20.

CLASS 8.

Moisteners for cigars, cigarettes, and manufactured tobacco. H. Le Gris. 228,821; Apr. 20.

CLASS 12.

Asphalt preparation. Western Waterproofing Company. 226,931; Apr. 20.
Brick. Acme Brick Company. 227,553–5; Apr. 20.
Ceramic articles. L. E. Rodgers Clay Products Company. 226,376; Apr. 20.
Concrete paving. R. C. Stubbs. 227,328; Apr. 20.
Concrete steel bars, Deformed. Horace T. Potts & Co. 226,914; Apr. 20.
Lime, Pebble. Harris-Murray Company. 226,055; Apr. 20.
Lumber. Findlay Millar Timber Co. 227,300; Apr. 20.
Plaster, stucco, and finishing lime, Wall and finishing. United States Gypsum Company. 226,086; Apr. 20.
Window and door frames. Roach & Musser Company. 226,111; Apr. 20.

CLASS 13.

Chains, Conveyer. Inland Engineering Company. 227,892; Apr. 20.
Colanders. Tyler Manufacturing Company. 226,388; Apr. 20.
Kettles. Sowers Manufacturing Company. 191,417; Apr. 20.
Tire or skid chains for automotive vehicles. Western Chain Company. 227,926; Apr. 20.
Tire or skid chains for automotive vehicles. Western Chain Company. 228,348; Apr. 20.
Traps, duplex traps, New York pattern traps, lavatory valves, etc., Adjustable. Wolverine Brass Works. 227,928; Apr. 20.
Utensils and kitchenware, Cooking. Buckeye Aluminum Company. 226,331; Apr. 20.
Valve seats. Darling Valve Manufacturing Company. 228,088; Apr. 20.
Wire screen cloth, Woven-. W. S. Tyler Company. 227,615; Apr. 20.

CLASS 14.

Alloy compounds, Metallic. Chrobaltic Tool Company. 226,999; Apr. 20.
Electrodes and rods for welding and arc welding. Koro Electric Corporation. 226,290; Apr. 20.
Metal stampings from all metals and for all purposes. Edwin B. Stimpson Co. 185,158–9; Apr. 20.

CLASS 15.

Gasoline, lubricating oils and grease. J. L. Garver. 225,690; Apr. 20.

Oils and greases and gasoline, Lubricating. V. A. Buchholtz. 226,582; Apr. 20.
Petroleum products. Colonial Filling Stations, Inc. 227,892; Apr. 20.
Petroleum products, Refined. Texas Pacific Coal and Oil Company. 225,625; Apr. 20.

CLASS 16.

Carbon black. Eastern Carbon Black Company. 216,459; Apr. 20.
Lacquer, Brushing. Peaslee-Gaulbert Co. 226,205; Apr. 20.
Lacquers. Van Camp Hardware & Iron Company. 226,454; Apr. 20.
Lithopone product. C. J. Osborn Company. 226,596; Apr. 20.
Paint pigment, Lead-base paste. Burnett Chemical Company. 208,378; Apr. 20.
Paints and paint enamels, Ready-mixed. J. Soltz. 222,286; Apr. 20.
Paints and wood fillers, Mixed. Improved Method Paint Products Co. 225,094; Apr. 20.
Paints, paint enamels, japans, etc. Detroit White Lead Works. 226,640; Apr. 20.
Paints, paints in oil, paint enamels, varnishes, wood fillers, etc., Mixed. Beaver Products Company. 194,330; Apr. 20.
Paints, varnishes, and paint enamels. Toch Brothers, Incorporated. 226,453; Apr. 20.
Wax, Floor. J. N. Shepard. 221,719; Apr. 20.
Whitewash, Preparation for use in making. North American Cement Corporation. 226,501; Apr. 20.

CLASS 17.

Tobacco, Smoking. R. S. Graham. 227,789; Apr. 20.

CLASS 19.

Automobile heaters. L. L. Steindler. 226,384; Apr. 20.
Automobile seat covers. Durant Motocover Co. 226,187; Apr. 20.
Automobile seat covers. Protexcar Mfg. Co. 226,210; Apr. 20.
Automobile ventilators and window regulators. Ackerman, Rhesser, Fezzey, Inc. 227,619; Apr. 20.
Shock absorbers, vibration dampers, and cushioning devices. J. C. Vredenburg. 216,703; Apr. 20.
Vehicle bodies. American Body Company Incorporated. 226,705; Apr. 20.
Vehicles, Brakes, braking systems, and parts thereof for motor. Timken-Detroit Axle Company. 227,254; Apr. 20.

CLASS 21.

Batteries and flash lights, Dry. Manhattan Electrical Supply Company. 223,181; Apr. 20.
Cable boxes, loom plates, weather caps, and capped elbows. Hope Foundry & Machine Co. 226,143; Apr. 20.
Cables and cords and flexible metallic conduits, Armored. Detroit Insulated Wire Company. 210,367; Apr. 20.
Electric-lighting fixtures, table lamps, floor lamps, etc. Otar The Lampmaker. 219,759; Apr. 20.
Electrical protective circuit opening and controlling devices, etc. Johns-Pratt Company. 227,894; Apr. 20.
Insulated electric wires. American Wiremold Company. 227,872; Apr. 20.
Lamps, Electric floor and table. Universal Willow & Reed Ware Company Incorporated. 216,701; Apr. 20.
Plates for electrical condensers. Superior Hard Rubber Company. 212,578; Apr. 20.
Plugs, convenience taps, appliance-cord switches, appliance-cord sets, etc., Straight two-way. Reynolds Spring Company. 223,255; Apr. 20.
Radio loud speakers and loud-speaker units. Victor Radio Corporation. 227,700; Apr. 20.
Radio loud speakers, head sets, flash plates, etc., and electric water heaters. Zisch Engineering Corporation. 224,126; Apr. 20.
Radio receiving sets and parts thereof. Roth-Downs Manufacturing Co. 227,912; Apr. 20.
Radio receiving sets and radio parts. Royal Radio Corporation. 226,514; Apr. 20.
Radio supplies. Karas Electric Company. 226,490; Apr. 20.
Vacuum tubes, valves, crystal detectors, etc. Radio Corporation of America. 218,523; Apr. 20.

CLASS 22.

Dolls and toy animals. H. S. Hitchcock. 226,487; Apr. 20.
Dumb-bells. Benny Leonard Physical Culture Institute, Inc. 227,215; Apr. 20.
Game, Table. L. Ingraham. 227,236; Apr. 20.
Golf clubs. Draper-Maynard Company. 226,186; Apr. 20.
Toy blocks. J. Srofe. 217,187; Apr. 20.
Toy vehicles, Wheeled. Davis & Voetsch, Inc. 222,315; Apr. 20.

CLASS 23.

Files. John Bedford & Sons, Limited. 227,768; Apr. 20.
Razor blades. Otto Roth, Inc. 226,966; Apr. 20.
Saws, Hack. Atlas Products Co. 226,123; Apr. 20.
Sprayers, Hand. Colonial Chemical Corp. 226,845; Apr. 20.
Spraying and blowing insecticide, disinfectant, paint, varnish, etc., Apparatus for. Franklin Air Compressor Works. 225,784; Apr. 20
Wedges for tool handles, Metal. R. A. Barron. 207,443; Apr. 20.

CLASS 24.

Ironing and pressing machines, Cork padding for. American Laundry Machinery Company. 227,559; Apr. 20.
Washing machines, Clothes-. Maytag Company. 218,651; Apr. 20.
Washing machines, Dollies and clothes-. Maytag Company. 218,652; Apr. 20.

CLASS 25.

Banks, Portable savings. Shulman & Sons. 227,538; Apr. 20.
Locks, latches, and keys therefor. L. B. Hershey. 227,743; Apr. 20.

CLASS 26.

Cameras and parts therefor. Actien-Gesellschaft für Anilin-Fabrikation. 223,677; Apr. 20.

CLASS 27.

Watches. Sears, Roebuck and Co. 228,499; Apr. 20.
Watches, clocks, watch movements and parts thereof, and watchcases. S. R. Hoffman. 228,690; Apr. 20.
Watches, watch movements, watchcases, and parts for watches. Cross and Beguelin. 227,778; Apr. 20.

CLASS 29.

Brooms and unimpregnated dusters. Progressive Broom Company. 222,940; Apr. 20.
Brooms and unimpregnated dusters. Progressive Broom Company. 227,752; Apr. 20.
Brushes. Forest Brush Works Limited. 224,326; Apr. 20.
Brushes and dusters. Pittsburgh Plate Glass Company, Rennous-Kleinle Division. 225,970; Apr. 20.
Brushes, Waxing and floor-polishing. J. S. Judge. 208,814; Apr. 20.

CLASS 30.

China and earthenware. W. T. Copeland & Sons. 226,884; Apr. 20.

CLASS 31.

Refrigerators and refrigerator display counters. Gus V. Brecht Butchers Supply Company. 220,212; Apr. 20.

CLASS 32.

Cabinets, Household. Bennett Manufacturing Company. 225,105; Apr. 20.
Furniture, Household. Washington Parlor Furniture Co. 225,458; Apr. 20.
Furniture, Parlor and living-room. J. F. Kampe. 227,237; Apr. 20.

CLASS 33.

Crystals, Watch. C. L. Spotswood. 227,815; Apr. 20.
Globes, Glass lighting. Glenson-Tiebout Glass Company. 227,119; Apr. 20.

CLASS 34.

Burners, Oil. W. Teale. 227,483; Apr. 20.
Lamp shades. Phoenix Import Co. 223,485; Apr. 20.
Radiator shields for hot-air, steam, and hot-water radiators. K. Drlica. 225,599; Apr. 20.
Radiators for heating purposes. Union Radiator Company. 220,810; Apr. 20.

CLASS 35.

Tires, Rubber patches for pneumatic inner tubes for. Bowes Seal Fast Corporation. 227,437; Apr. 20.

CLASS 37.

Cardboard. Michigan Carton Co. 227,317; Apr. 20.
Envelopes and writing paper. Buzza Company. 227,508; Apr. 20.
Paper, Bond. Connecticut Valley Paper & Envelope Company. 226,805; Apr. 20.
Paper, Ledger. Carew Manufacturing Company. 207,810; Apr. 20.
Paper, Tissue. Ancram Paper Mills. 225,822; Apr. 20.
Paper, Wall. Robert F. Hobbs, Inc. 226,958; Apr. 20.

CLASS 38.

Books, Completely-printed. H. de J. Espasa. 213,432; Apr. 20.

CLASS 39.

Blouses, shirts, and wash suits, Boys'. May Department Stores Company. 223,650; Apr. 20.
Boots and shoes. John Davis Shoe Stores, Inc. 227,309; Apr. 20.
Boots, shoes, and slippers. Dorothy Dodd Shoe Company. 227,344; Apr. 20.
Boots, shoes, and slippers, Leather. Thomas G. Plant Company. 227,751; Apr. 20.
Caps and hats for men, youths, and boys. M. B. Hillman. 227,016; Apr. 20.
Clothing and furnishings, Men's. Joseph & Feiss Co. 227,123; Apr. 20.
Clothing, Women's and children's. La Mode Garment Co. 226,061; Apr. 20.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coats, hosiery, underwear, ties, socks, corsets, etc. Smith & Welton Inc. 226,260; Apr. 20.
Coats, vests, trousers, and overcoats. J. Joseph. 228,468; Apr. 20.
Collars, pyjamas, night robes, etc., Men's and boys'. Carlton Mills, Inc. 228,297; Apr. 20.
Corset and brassière combination. A. Blair. 228,522; Apr. 20.
Dresses, coats, suits, wraps, mantels, and coats. Sisholz Company. 228,335; Apr. 20.
Dresses, coats, wraps, etc., Women's and misses'. Mandré, Inc. 227,549; Apr. 20.
Dresses, Infants'. Kiddies Pal Company. 226,491; Apr. 20.
Furnishings and clothing, Men's and boys'. Franklin Simon & Co. 209,522; Apr. 20.
Furnishings, Men's. P. Cades. 226,094; Apr. 20.
Gloves with leather palms, Cloth. National Glove Company. 226,964; Apr. 20.
Hosiery, Ladies'. Artcraft Silk Hosiery Mills, Inc. 227,709; Apr. 20.
Hosiery, underwear, scarfs, cravats, etc. H. Fixman. 227,643; Apr. 20.
Neckties, Men's. Goldman, Simmons & Co. 226,243; Apr. 20.
Overalls and work clothes. J. C. Penney Company. 223,939; Apr. 20.
Overcoats, dress shirts, work shirts, etc. Eastern Textile Co. 227,572; Apr. 20.
Shirts and boys' blouses, Men's dress and negligee. I. S. Greenberg. 228,187; Apr. 20.
Shirts and cuffs, Men's. Phillips-Jones Corporation. 228,390; Apr. 20.
Shoes, Children's. Weilauer-Noll Shoe Mfg. Co. 227,260; Apr. 20.
Soles, taps, tap soles, and half soles, Leather. Penn Leather Company. 226,862; Apr. 20.
Stocking protectors. K. B. Sunderland. 226,606; Apr. 20.
Suits, coats, vests, and trousers, Men's. Lob-Fuhrman-Bender Company. 223,531; Apr. 20.
Suits, coats, vests, and trousers, Men's. Lob-Fuhrman-Bender Company. 227,657; Apr. 20.
Suits, Men's and young men's. Nelkin Clo. Co. 227,748; Apr. 20.

CLASS 40.

Combs. Morris, Mann & Reilly, Inc. 227,319; Apr. 20.
Tapes and bindings. Laughlin Textile Mills, Inc. 228,432; Apr. 20.

CLASS 42.

Cloth, Bookbinders'. Western Shade Cloth Co. 228,160; Apr. 20.
Cloth comprised entirely of cotton, silk, etc. York Manufacturing Co. Inc. 227,765; Apr. 20.
Cloth, Window-shade. Western Shade Cloth Co. 228,164; Apr. 20.
Cotton piece goods. American Bleached Goods Company. 200,841; Apr. 20.
Cotton piece goods, silk and cotton piece goods, and artificial-silk and cotton piece goods. Henry Glass & Co. 226,196; Apr. 20.
Cotton piece goods, silk and cotton piece goods, etc. Henry Glass & Co. 228,371–2; Apr. 20.
Cotton piece goods, silk and cotton piece goods, etc. Henry Glass & Co. 228,374; Apr. 20.
Cotton, silk, artificial silk, and mixtures of cotton and silk, etc. Marvlo Mills, Inc. 228,477; Apr. 20.
Ginghams in the piece. American Wholesale Corporation (Baltimore Bargain House). 174,120; Apr. 20.
Hair nets. Scolding Locks Hairpin Company. 228,143; Apr. 20.
Linens, Household. R. Jacobs and Company. 227,651; Apr. 20.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 228,024; Apr. 20.
Rugs formed of paper yarn, Oval. Deltox Rug Company. 220,889; Apr. 20.
Scrim sash curtains. Boott Mills. 208,955; Apr. 30.
Sheets and pillowcases. Arkwright Merchandising Corp. 219,655; Apr. 20.
Silk, artificial silk, cotton, or combination thereof in the piece. Ullman-Levinthal Silks Corporation. 227,375; Apr. 20.
Textile fabrics, Knitted. Security Mills, Inc. 228,443–4; Apr. 20.
Ticking. American Importing Company. 225,002; Apr. 20.
Window-shade cloth. Western Shade Cloth Co. 228,159; Apr. 20.
Window-shade cloth. Western Shade Cloth Co. 228,161–2; Apr. 20.
Woven and knitted goods, rayon and cotton and silk mixture. W. B. Conrad & Co. 228,227; Apr. 30.

CLASS 44.

Color-wave value or radioactive and radioemanative value of the human body and the like, Apparatus for registering the. Spectro-Chrome Institute, (Incorporated). 221,981; Apr. 20.

Hair-steaming devices, Permanent-wave. Permanent Wave Machine & Supply Corporation. 220,358; Apr. 20.
Medicine dropper, Supporting compartment. E. A. Siner. 226,833; Apr. 20.

CLASS 45.

Beverages, Nonalcoholic, maltless. Canada Dry Ginger Ale, Incorporated. 221,537; Apr. 20.
Flavors, extracts, and compounds, Nonalcoholic, maltless. Groover-Stewart Drug Company. 212,250; Apr. 20.
Ginger ale. J. Frank & Sons. 226,241; Apr. 20.
Ginger ale and extract for making ginger ale. Sethness Company. 227,917; Apr. 20.
Water, carbonated water, root beer, and ginger ale. Deep Spring Company. 227,720; Apr. 20.

CLASS 46.

Artichokes, Fresh. Monterey Bay Artichoke Growers, Inc. 228,615; Apr. 20.
Avocados. California Avocado Growers Exchange. 227,440; Apr. 20.
Candy. E. J. Brach & Sons. 227,565; Apr. 20.
Candy. Helm Company. 228,241; Apr. 20.
Candy. Tru-Blu Biscuit Company. 225,628; Apr. 20.
Candy and candy bars. General Candy Co. 228,309; Apr. 20.
Canned corn. Warrensburg Canning Co. 228,154; Apr. 20.
Canned fruits and vegetables. Roberts Bros. Inc. 227,810; Apr. 20.
Canned fruits, berries, vegetables, fish, pork and beans, coffee, breakfast cereals, etc. Hans-Lieber-Grocery Company. 188,241; Apr. 20.
Canned fruits, vegetables, and fish, breakfast cereals, spices, etc. Jageman-Bode Company. 219,580; Apr. 20.
Canned sardines. Reid, Murdoch & Co. 218,087; Apr. 20.
Canned vegetables. L. Avanzino & Brother, Inc. 223,884; Apr. 20.
Chocolate bars. Peter F. Murphy Co. 228,055; Apr. 20.
Chocolate in blocks and powder, cocoa in powder, milk chocolate, caramels, etc. Nella, Sociedad Anonima. 209,860; Apr. 20.
Chocolate sirup. Limpert Bros., Inc. 225,430; Apr. 20.
Coconut desiccated, preserved, or otherwise prepared. A. Nones & Co. 227,411; Apr. 20.
Coffee. P. F. Chaplin. 227,718; Apr. 20.
Coffee. Nash Coffee Company. 217,177; Apr. 20.
Coffee, Cultured. Cultured Coffee Corporation. 228,298; Apr. 20.
Extracts, Malt-sirup. Tag-Hart Malt Products Co. 224,300; Apr. 20.
Fruit-jelling preparation. H. S. Campbell. 228,594; Apr. 20.
Fruits and fresh vegetables, Fresh citrous. A. S. Herlong & Co. 212,137; Apr. 20.
Fruits, Cured or treated citrous. A. Nones & Company. 226,965; Apr. 20.
Grapes, Fresh. Handel-Lange & Handel. 226,141; Apr. 20.
Grapes, Fresh. J. D. Martin. 220,551; Apr. 20.
Gum, Chewing. American Chicle Company. 225,989; Apr. 20.
Gum, Chewing. Creamette Company. 226,946; Apr. 20.
Gum, Chewing. L. J. Disser, sr. 228,686; Apr. 20.
Gum, Chewing. M. A. White. 228,676; Apr. 20.
Ice cream. National Ice Cream Co. 226,498; Apr. 20.
Ice cream. National Ice Cream Co. 226,500; Apr. 20.
Mackerel, Preserved. Jass Mfg. Co. 224,762; Apr. 20.
Mayonnaise, Thousand Island dressing, and sandwich spread. C. von Allman Preserving Co. 225,750; Apr. 20.
Olive oil. Lipman & Lipman. 226,552; Apr. 20.
Olives and olive oil. Olive Products Company. 225,200; Apr. 20.
Oranges, lemons, and grapefruit. Placentia Orange Growers Association. 211,426; Apr. 20.
Saratoga chips. O. D. Wanchope. 228,675; Apr. 20.
Sauce and salad dressing, Mustard. N. M. Delmarle. 227,989; Apr. 20.
Sauces, jellies, flavoring extracts, etc., Worcestershire. E. Pritchard. 222,188; Apr. 20.
Sirup, Hot-cake. Happy's Bottling Works, Inc. 204,506; Apr. 20.
Sirup, Malt. Bosch Distributing Co. 223,764; Apr. 20.
Sugar, sirup, and butternut candy, Maple. M. Whalon. 216,859; Apr. 20.
Tea. F. A. Gosse & Company. 226,053; Apr. 20.
Vinegar and salad oil. A. E. Jacobson. 227,075; Apr. 20.

CLASS 50.

Electrotype. Art Electrotype Fdry. Co. 215,121; Apr. 20.
Electrotype. Artcraft Electrotype Company. 215,122; Apr. 20.
Rubber floor mats. O. W. Jackson & Co. 226,005; Apr. 20.
Waterproof fabrics for car roofing, bus roofing, household use, etc. Leon L. Wolf Waterproof Fabric Company. 224,794; Apr. 20.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acme Apparatus Company. (See Cairns, Claude F., assignor.)
Adamczik, Michael, Kowno, Lithuania. Landing apparatus of aircraft. 1,581,415; Apr. 20.
Adams, James, Fort Madison, Iowa. Locomotive safety appliance. 1,581,713; Apr. 20.
Aktiebolaget Birka Regulator. (See Appelberg, Axel O., assignor.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Vaporackumulator. (See Ruths, Johannes D., assignor.)
Albiez, Edward. (See Sheckels, James G., assignor.)
Aldrich, Harold W. (See Van Arsdale, G. D., Aldrich, and Scott.)
Alexis, George D. (See Walter, J. L., and Alexis.)
Allgemeine Elektricitäts Gesellschaft. (See Post, Otto T., assignor.)
Alpaugh, Leman J., Fenton, Mich. License-plate clip. 1,581,416; Apr. 20.
Altschul, Otto A. Chicago, Ill. Service door. 1,581,776; Apr. 20.
American Cement Machine Co., The. (See Mandt, Obert G., assignor.)
American Chain Company. (See Fageol, Rollie B., assignor.)
American Multitone Papers Corporation. (See Reed, Frederic F., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Troppman, Charles J., assignor.)
American Oven & Machine Company. (See Royan, George, assignor.)
American Telephone and Telegraph Company. (See Herbert, Clifford M., assignor.)
American Telephone and Telegraph Company. (See Shanck, Roy B., assignor.)
American Telephone and Telegraph Company. (See Watson, E. F., and Hunt, assignors.)
American Wire Mold Co., The. (See Frederickson, Otto A., assignor.)
Ames, Bradford L., Boston, Mass. Soot remover for water-tube boilers. 1,581,504; Apr. 20.
Amsel, Henry, and B. M. Warren, New York, N. Y. Apparatus for scrubbing, mopping, and polishing floors. 1,581,824; Apr. 20.
Andersen, Anders H., Poughkeepsie, N. Y. Class ring. Des. 69,930; Apr. 20.
Andersen, Anders P., and A. L. Tyrrell, Detroit, Mich. Radiator indicator. 1,581,480; Apr. 20.
Andersen, John C. (See Edmunds, L. L., and Andersen.)
Anderson, Axel, Lund, Sweden. Bottle-washing machine. 1,581,528; Apr. 20.
Anderson, Fred, Vallejo, Calif., assignor to F. H. Goulette, Manila, P. I. Germicidal composition. 1,581,825; Apr. 20.
Anderson, John. (See Kreisinger, H., Anderson, and Bell.)
Anderson, Thomas B., Coshocton, Ohio. Casserole. Des. 69,931; Apr. 20.
Anthony Company. (See Anthony, W. C., and Mackintosh, assignors.)
Anthony Company, The. (See Martindell, Frank, assignor.)
Anthony, John, Attleboro, Mass. Ornamental chain. 1,581,152; Apr. 20.
Anthony, William C., and W. B. Macktintosh, assignors to Anthony Company, Streator, Ill. Shovel frame. 1,581,153; Apr. 20.
Appel, Harry C., Philadelphia, Pa. Vehicle top. 1,581,332; Apr. 20.
Appelberg, Axel O., Stockholm, Sweden, assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden. Thermostatic time switch. 1,581,714; Apr. 20.
Applegate, Robert R., and J. B. Austin, assignors to Rail Welding and Bonding Company, Cleveland, Ohio. Uniting copper to steel. 1,581,417; Apr. 20.
Armington, Arthur A., et al., executors. (See Wardwell, Simon W.)
Atlas Powder Company. (See Brandt, Millard, assignor.)
Atlas Powder Company. (See Grant, Harry L., assignor.)
Augusta Bedding Company. (See Rickerson, Grady G., assignor.)
Aulbach, Charles J., assignor to Passaic Metal Ware Company, Passaic, N. J. Can-heading machine. 1,581,625; Apr. 20.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Transmission line. 1,581,154; Apr. 20.
Austin, Clarence G., Woodstock, assignor of one-half to B. W. Lance, Geneva, Ill. Toy gas-filling pump. 1,581,906; Apr. 20.
Austin, John B. (See Applegate, R. R., and Austin.)
Automatic Electric Inc. (See Erickson, John, assignor.)
Automatic Electric Inc. See Lomax, Clarence E., assignor.)
Babcock & Wilcox Company, The. (See Brenot, René, assignor.)
Backstrom, Gustaf V. (See Brown, Perry O., assignor.)
Bacon, Frederic S., assignor to M. A. Bacon, Middletown, Conn. Rotating retort. Re16,326; Apr. 20.
Bacon, Marica A. (See Bacon, Frederic S., assignor.)
Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)
Badische Anilin- & Soda-Fabrik. (See Just, R., Wilke, and Nawalsky, assignors.)
Bagley and Sewall Company, The. (See Monaghan, Frank W., assignor.)
Bahnik, Emil M. (See Kolarik, R., Wendling, Bahnik, and Davies.)
Baker, Walter S., Normal, Nebr. Drinking cup. 1,581,418; Apr. 20.
Baldwin, Florence, executrix. (See Baldwin, Herbert.)
Baldwin, Herbert, deceased, Mountain, Wis.; F. Baldwin, executrix. Combined salt and pepper shaker. 1,581,666; Apr. 20.
Baldwin, Herbert, deceased, Mountain, Wis.; F. Baldwin, executrix. Combination salt and pepper shaker. 1,581,667; Apr. 20.
Baldwin Locomotive Works, The. (See Pollock, J. W., and Neebe, assignors.)
Baldwin, Nathaniel, Mill Creek, Utah. Sound-producing device of the telephone-receiver type. 1,581,155; Apr. 20.
Ballzer, Jacob, and R. A. Schranz, New York, N. Y. Presser foot. 1,581,307; Apr. 20.
Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 1,581,715; Apr. 20.
Bally, Oscar, Basel, Switzerland, assignor to the Firm Haco-Gesellschaft A.-G. Bern, Bern, Switzerland. Arsenical albumen compound and making the same. 1,581,826; Apr. 20.
Banta, Len A., Clearfield, Pa. Refrigerator show case. 1,581,156; Apr. 20.
Barber Asphalt Company, The. (See Bergner, John C., assignor.)
Barbosa, Pablo A., Buga, Valle, Colombia, assignor of thirty per cent to A. Velasquez, B., New York, N. Y. Battery. 1,581,419; Apr. 20.
Bardsley, Willard W., et al., executors. (See Wardwell, Simon W.)
Barker, Ezra, Portland, Oreg. Automobile signal-lamp casing. Des. 69,932; Apr. 20.
Barnes, David K., McNary, Ariz. Station indicator. 1,581,716; Apr. 20.
Barnes, Howard S., Redford, Mich. Soft-nose screw. 1,581,096; Apr. 20.
Barngrove, James L. (See Kendall, James W., assignor.)
Barron, Edward T., Superior, Wis. Hot-water tank. 1,581,907; Apr. 20.
Barth, William L., Venice, Calif. Catapult. 1,581,626; Apr. 20.
Barthel, Oliver E., Detroit, Mich. Engine head. 1,581,481; Apr. 20.
Bartholomew, Bert E., Pasadena, Calif. Weightless sash construction. 1,581,908; Apr. 20.
Basbaw, William A., Wilkinsonville, Mass. Shuttle block. 1,581,157; Apr. 20.
Bastian-Morley Co. (See Yoder, Carl M., assignor.)
Bay State Optical Company. (See Clulee, Stephen J., assignor.)
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,581,668; Apr. 20.
Beach, Edmund, Paterson, N. J. Flush-tank apparatus. 1,581,158; Apr. 20.
Beach, Herbert L. (See Williamson, J. S., and Beach.)

Beam, Perry E. (See Royall, John H., assignor.)
Bear Tractor Corporation of America. (See Leake, Thomas C., assignor.)
Beck, Robert F., jr., Newnan, Ga. Brace for bicycle mud guards. 1,581,827; Apr. 20.
Becker, Edmund H. (See Martus, M. L., and Becker.)
Beebe, Anton N., assignor to J. and V. J. Todd, Seattle, Wash. Cleaner and paint remover. 1,581,421; Apr. 20.
Beeler, Esten B., assignor to S. J. Harbaugh, Chicago, Ill. Sled runner for coasters. 1,581,420; Apr. 20.
Bell, John E. (See Kreisinger, H., Anderson, and Bell.)
Bem, Joseph P., assignor to Pacific Pitting Machine Company Inc., Fresno, Calif. Peach-pitting machine. 1,581,482; Apr. 20.
Benedict, Edward L., and R. L. Glose, Pittsburgh, Pa. Reenforcing fabric for cementitious slabs. 1,581,505; Apr. 20.
Benedict, Edward L., and R. L. Glose, Pittsburgh, Pa. Reenforcement for pavements and the like. 1,581,506; Apr. 20.
Benedict, Edward L., and R. L. Glose, Pittsburgh, Pa. Reenforced roadway. 1,581,507; Apr. 20.
Bendix Brake Company. (See Thomas, George J., assignor.)
Bennhold, Walter, Furstenwalde, assignor to Julius Pintsch Aktien-Gesellschaft, Berlin, Germany. Gas producer with a revolving grate. 1,581,159; Apr. 20.
Bergen, William V., Hillsboro, Oreg. Pin holder. 1,581,422; Apr. 20.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Alternator field. 1,581,828; Apr. 20.
Bergner, John C., Lansdowne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Device for fastening roofing shingles. 1,582,018; Apr. 20.
Bernhard, Morris, assignor to Morris Bernhard Co., New York, N. Y. Adjustable ornament for drapery tie backs. 1,581,909; Apr. 20.
Bernhard, Morris, Co. (See Bernhard, Morris, assignor.)
Berrill, Roland F., London, England. Meridian watch or clock. 1,581,910; Apr. 20.
Berry, Edward R., Malden, Mass., assignor to General Electric Company. Quartz working. 1,581,829; Apr. 20.
Bertels, Arnold S., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Battery-control system. 1,581,160; Apr. 20.
Beschnitt, Albert, Berlin, Germany, assignor to General Electric Company. Circuit interrupter. 1,581,830.
Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Manufacture of rubber window-glass channels. 1,581,777; Apr. 20.
Bigelow-Bruno Manufacturing Company. (See Bruno, Carl O., assignor.)
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Pin-setting machine. 1,581,377; Apr. 20.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Pin-setting machine. 1,581,378; Apr. 20.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Pin-setting machine. 1,581,379; Apr. 20.
Blackburn, W. C. (See Musgrave, Claude E., assignor.)
Blake, David K., Schenectady, N. Y., assignor to General Electric Company. Alternating-current secondary networks. 1,581,831; Apr. 20.
Blanchard Collapsible Bowling Alley Co. (See Blanchard, Owen W., assignor.)
Blanchard, Owen W., assignor to Blanchard Collapsible Bowling Alley Co. Inc., St. Paul, Minn. Collapsible bowling alley. 1,581,423; Apr. 20.
Blatterman, Albert S., Little Silver, N. J. Reducing interference and obtaining secrecy in radio transmission. 1,581,161; Apr. 20.
Bleecker, Warren F., and E. A. Clark, Boulder, Colo. Display apparatus. 1,581,562; Apr. 20.
Bliss, E. W., Company. (See Patrick, Isaac, assignor.)
Blockhan, Peter H., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Door-operating mechanism. 1,581,832; Apr. 20.
Blomeyer, Edward C., Kansas City, Mo. Washable garter. 1,581,424; Apr. 20.
Blomgren, Henry E., Brooklyn, N. Y. Valve device. 1,581,778; Apr. 20.
Bloomfield, Russell C. (See Holmes, F. E., and Bloomfield.)
Bodholdt, Aksel K., et al. (See Speer, Alexander S., assignor.)
Bogaty, Hermann, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Cooling fan-shaft bearings of driers. 1,581,911; Apr. 20.
Bohn, Wesley E., Corsicana, Tex. Ice-cold ice box. 1,581,669; Apr. 20.
Bolender, Joel D., and E. R. Creamer, assignors to The George R. Carter Company, Connersville, Ind. Molding for automobile tops. 1,581,670; Apr. 20.
Bomhard, Karl, Munich, Germany, assignor, by mesne assignments, to Frederick Pfeiffer & Co. Inc., New York, N. Y. Vaginal syringe. 1,581,508; Apr. 20.
Bonnett, Clarence E., New Orleans, La. Artificial bait for fishing. 1,581,833; Apr. 20.
Bonoff, Harry A., Los Angeles, Calif. Acto-passive plane anglers. 1,581,913; Apr. 20.
Bonoff, Harry A., Los Angeles, Calif. Protrusion-bite recorder. 1,581,914; Apr. 20.
Born, Harry J., Merchantville, N. J., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa. Card mount. 1,581,912; Apr. 20.
Bostder, Wilbur S. (See Pryce, Ralph S., French, and Bostder.)
Boucher, Emile J., Catonsville, Md. Tuning-coil mounting. 1,581,162; Apr. 20.
Bouin, Charles, Boston, Mass. Cinematographic picture with stereoscopic and color values. 1,581,834; Apr. 20.
Bouteile, William H., assignor to American Optical Company, Southbridge, Mass. Eyeglass guard. 1,581,163; Apr. 20.
Bowen, Roy, Hoopeston, Ill. Filler cap and liquid-depth gauge. 1,581,717; Apr. 20.
Boyd, John C., St. Louis, Mo. Last for use in forming and leveling soles. 1,581,627; Apr. 20.
Boynton, Alexander, San Antonio, Tex. Device for tightening flexible lines. 1,581,164; Apr. 20.
Bradley, John, Anglesea, N. J. Wrench. 1,581,915; Apr. 20.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, New York, N. Y. Production of pulp and other products from wood. 1,581,671; Apr. 20.
Brandt, Millard, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Waterproofed, fireproofed paper and making the same. 1,581,779; Apr. 20.
Brandt, Rudolph F., assignor to Dayton Portable Typewriter Company Incorporated, Dayton, Ohio. Type-bar guide for typewriters. 1,581,628; Apr. 20.
Brass, Edward E., Petersburg, Ill. Shaker for canned products. 1,581,780; Apr. 20.
Brennels, Louis, Oxnard, Calif., assignor to Brennels Manufacturing Company, Oxnard, Calif. Wheel construction. 1,581,165; Apr. 20.
Brennels Manufacturing Company. (See Brennels, Louis, assignor.)
Brenot, René, Paris, France, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate. 1,581,629; Apr. 20.
Brents, Fred R. (See Christy, S. B., Long, and Brents.)
Breyfogle, Lewis W. (See Yenton, A. F., and Breyfogle.)
Bridges, Charles A., and A. K. Sutherland, assignors to Moe-Bridges Company, Milwaukee, Wis. Lighting-unit holder. 1,581,781; Apr. 20.
Brintnall, Thomas M., and G. G. Uth, Los Angeles, Calif. Protective device for bank tellers. 1,581,425; Apr. 20.
Broadmeyer, Albert, assignor to W. O. Hickok Mfg. Company, Harrisburg, Pa. Beam for ruling pens. 1,581,166; Apr. 20.
Brockett, Frederick G., and C. C. Wright, Chicago, Ill.; said Brockett assignor to said Wright. Device for connecting together telephone receivers in series or in parallel. 1,581,630; Apr. 20.
Brookley, Wendell H. (See Snyder, O. H., and Brookley.)
Brooks, Olpha M. (See Sims, J. M., and Brooks.)
Brooks, Robert A., Chicago, Ill. Display case for use as store furniture. Des. 69,933; Apr. 20.
Broussouse, Fernand L., Paris, France. Damping oscillations in leaf springs for vehicle suspension and other purposes. 1,581,916; Apr. 20.
Brower, Willis A., Adrian, Mich. Safety device for punch presses. 1,581,672; Apr. 20.
Brown, Cecil, Pattonsburg, Mo. Adjustable concave. 1,581,835; Apr. 20.
Brown, Fred, Sturgis, S. Dak. Soap dispenser. 1,581,836; Apr. 20.
Brown Instrument Company, The. (See Brown, Richard P., assignor.)
Brown, John H., Ilford, England. Reservoir pad and the like. 1,581,563; Apr. 20.
Brown, Louis, Brooklyn, N. Y. Doorlock. 1,581,673; Apr. 20.
Brown, Lloyd J., Evanston, assignor to E. P. Smith, Springfield, Ill. Brake-gear mounting. 1,581,097; Apr. 20.
Brown, Newman E., Erie, Pa. All-metal inner tube. 1,581,381; Apr. 20.
Brown, Perry O., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Automatic speed-recording device. 1,581,718; Apr. 20.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermocouple casing. 1,581,380; Apr. 20.
Brown, Tudor F., Newark, Ohio. Pouch-transferring device. 1,581,674; Apr. 20.
Brown, William E., Pottsboro, Tex. Wheeled riding harrow. 1,581,167; Apr. 20.
Browne, Christopher G., and J. E. Knight, St. Georges, assignors of one-half to K. A. McIntyre, St. Johns, Grenada, British West Indies. Carburetor. 1,581,837; Apr. 20.
Brundage, James W., assignor to The Miller Rubber Company, Akron, Ohio. Washer setting. 1,581,675; Apr. 20.
Bruno, Carl O., Los Angeles, Calif., assignor to Bigelow-Bruno Manufacturing Company, Chicago, Ill. Timer for internal-combustion engines. 1,581,917; Apr. 20.
Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
Buchanan, Claude S., Dayton, Ohio. Filing device. 1,581,529; Apr. 20.

Büchter, Jan, Berlin, Germany, assignor to Powers Accounting Machine Corporation, New York, N. Y. Card-punch mechanism. 1,581,782; Apr. 20.
Buchtrup, Karen M., Randers, Denmark. Doll. 1,581,382; Apr. 20.
Buckham, George T. (See Dawson, A. T., and Buckham.)
Budd, Edward G., Manufacturing Company. (See Kelley, George L., assignor.)
Bullermann, August, Hannover, Germany, assignor, by mesne assignments, to "Bullo" Cycle-Scooter Control of America, Inc., Woodhaven, N. Y. Scooter. 1,581,168; Apr. 20.
"Bullo" Cycle-Scooter Control of America, Inc. (See Bullermann, August, assignor.)
Bullock, Hugh, Andover, Mass., assignor to Converse Rubber Shoe Co. Shoe. 1,581,783; Apr. 20.
Bungerz, Karl, Hempstead, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone receiver. 1,581,509; Apr. 20.
Bunker, Samuel F., Chicago, Ill. Dish cleaner. 1,581,943; Apr. 20.
Burchartz, Heinrich, assignor to Gelsenkirchener Bergwerks-A. G., Gelsenkirchen, Germany. Metal-casting machine. 1,581,169; Apr. 20.
Burdell, Arthur, Atlanta, Ga., assignor to A. S. Gilman, Cleveland, Ohio. Manifold express form. 1,581,170; Apr. 20.
Burke, Henry P. (See Vetterlein, Henry M., assignor.)
Bushman, Gustav F., Salt Lake City, Utah. Display case. 1,581,171; Apr. 20.
Butler, John W., Minneapolis, Minn. Casement-window holder. 1,581,172; Apr. 20.
Butler, Mark M., Los Angeles, Calif. Device for spreading asphaltic concrete. 1,581,784; Apr. 20.
Butusov, Emil P., assignor of one-half to D. Lewy, Chicago, Ill. Elevator-signaling system. 1,581,383; Apr. 20.
Byer, Henry E., Sausalito, Calif., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Condenser. 1,581,098; Apr. 20.
Cairns, Claude F., assignor to Acme Apparatus Company, Cambridge, Mass. Combined rheostat and potentiometer. 1,581,676; Apr. 20.
Caldwell, Albert E., assignor to Continental Rubber Works, Erie, Pa. Tire tread. Des. 69,934; Apr. 20.
Caldwell, Frank W., Dayton, Ohio. Transmission dynamometer. 1,581,530; Apr. 20.
Campbell, Charles, New York, N. Y. Typewriter ribbon. 1,581,510; Apr. 20.
Campbell, William H., Monasterevan, Ireland. Production of fermentable worts. 1,581,918; Apr. 20.
Cannam, Karl H., Eureka, Calif. Telegraph transmitter. 1,581,173; Apr. 20.
Carlson, Andrew E., and A. T. Magnuson, Minneapolis, Minn. Sack-dispensing device. 1,581,099; Apr. 20.
Carnovsky, Charles V., St. Albans, Vt., assignor, by mesne assignments, to Great Eastern Laundry Machinery Company, New York, N. Y. Sheet-folding mechanism. 1,581,677; Apr. 20.
Caroselli, Romulus, Detroit, Mich., assignor, by mesne assignments, to Nathan Ureles, New York, N. Y. Electric-lighting fixture. Re16,333; Apr. 20.
Carter, George R., Company, The. (See Bolender, J. D., and Creamer, assignors.)
Carter, Ray L., Syracuse, N. Y. Blower for routing machines. 1,581,719; Apr. 20.
Carter, Ray L., Syracuse, N. Y. Flexible shoe for routing machines. 1,581,720; Apr. 20.
Case, Leon G., Eagle Rock, Calif. Tool-sharpening device. 1,581,919; Apr. 20.
Cassidy, George W., New York, N. Y. Electric switch. 1,581,785; Apr. 20.
Casting Research, Inc. (See Wiechert, G. A., and Judd, assignors.)
Cello Products Incorporated. (See Mueller, Max, assignor.)
Central Trust Company of Illinois et al. (See Speer, Alexander S., assignor.)
Chapman, Elmer B. (See Gramsa, Joseph G., assignor.)
Chellis, Lawrence D. (See Wunderlich, P., and Chellis.)
Chemical Treatment Company. (See Fink, Colin G., assignor.)
Chesley, Willis F., Kansas City, Mo. Automatic shaft disconnecter. 1,581,678; Apr. 20.
Chester, Dick H., Buffalo, N. Y. Heat exchanger. 1,581,384; Apr. 20.
Chicago Forging & Manufacturing Company. (See Gilmore, Charles B., assignor.)
Chicago Pneumatic Tool Company. (See Byer, Henry E., assignor.)
Childs, Robert R., Roanoke, assignor of part interests to W. H. Wood, Salem, J. L. Early, Saltville, B. C. Moomaw, Roanoke, J. T. Layman, Amsterdam, W. H. Moomaw, Roanoke, Va., and H. Jakobsson, Takoma Park, Md. Nut lock. 1,581,333; Apr. 20.
Childs, Robert R., Roanoke, Va., and G. H. Jakobsson, Takoma Park, Md.; said Jakobsson assignor to said Childs. Nut-locking device. 1,581,531; Apr. 20.
Childers, George W., Ontario, Calif. Tire armor. 1,581,385; Apr. 20.
Chilton, Ralph H., assignor to Industrial Research Corporation, Toledo, Ohio. Starting mechanism for internal-combustion engines. 1,581,786; Apr. 20.
Chipman Knitting Mills. (See Kane, Jesse C., assignor.)
Christensen, Carl V. J., et al., executors. (See Wardwell, Simon W.)
Christy, Simeon B., Murfreesboro, Tenn., O. M. Long, Bowling Green, and F. R. Brents, Louisville, Ky. Artificial shingle. 1,581,308; Apr. 20.
Ciffrinowitsch, Zalmann, Berlin, Germany, assignor to General Electric Company. Reversible integrating instrument. 1,581,787; Apr. 20.
Claassen, William A., Waupaca, Wis. Portable drill and valve grinder. 1,581,838; Arp. 20.
Clark, Allan, Seattle, Wash. Radiator. 1,581,386; Apr. 20.
Clark, Ellsworth A. (See Bleecker, W. F., and Clark.)
Clark, Perley C., Montrose, Colo. Hydrant. 1,581,721; Apr. 20.
Clemence, Edward, London, England, assignor to Otis Elevator Company, New York, N. Y. Push-button-control system. 1,581,387; Apr. 20.
Clemm, Hans, Mannheim-Waldhof, and Adolf Schneider, Kehlheim, assignors to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Utilizing waste heat from gas. 1,581,511; Apr. 20.
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Clickner, Earle T. (See Russell, S. G., and Clickner.)
Cluett, Peabody & Co. (See Simmons, Harry D., assignor.)
Clulee, Stephen J., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,581,100; Apr. 20.
Coates, Ray G., Pasadena, Calif., assignor, by mesne assignments, of one-half to the estate of H. G. Hamilton, deceased, Youngstown, Ohio. Making articles from steel ingots. 1,581,512; Apr. 20.
Coates, Ray G., Pasadena, Calif., assignor, by mesne assignments of one-half to the estate of H. G. Hamilton, deceased, Youngstown, Ohio. Method and apparatus for cutting off ingot molds and the like. 1,581,513; Apr. 20.
Cockey, Bennett B. (See Stewart, R. C., and Cockey.)
Coggins, Leslie I. (See Henshall, C. T., and Coggins.)
Coll, William D., Muncie, Ind. Egg-case filler. 1,581,174; Apr. 20.
Cole, Leonard J., Buffalo, N. Y. Device for locking brake bands in place. 1,581,388; Apr. 20.
Colella, Louis, Detroit, Mich. Cushion rubber heel. 1,581,389; Apr. 20.
Collins, A. M., Manufacturing Company. (See Born, Harry J., assignor.)
Combustion Engineering Corporation. (See Kreisinger, H., Anderson, and Bell, assignors.)
Connecticut Telephone & Electric Company, The. (See Donle, Harold P., assignor.)
Conrad, George W., St. Benedict, Pa., assignor to R. Penle, New York, N. Y. Electrical bond. 1,581,514; Apr. 20.
Continental Rubber Works. (See Caldwell, Albert E., assignor.)
Converse Rubber Shoe Co. (See Bullock, Hugh, assignor.)
Conwell, Samuel H., assignor to W. P. Murphy, Chicago, Ill. Car-coupler release rigging. 1,581,175; Apr. 20.
Cook, Charles L., assignor to Leader Iron Works, Decatur, Ill. Hot-water tank. 1,581,176; Apr. 20.
Cook, Cora A., Brainerd, Minn. Educational device. 1,581,390; Apr. 20.
Cook, Herbert L., South Lagrange, Me. Demountable rim. 1,581,679; Apr. 20.
Coolican, Oscar, Washington, D. C. Towing device. 1,581,515; Apr. 20.
Coons, James W., Woodland, Calif. Device for drying safety razors. 1,581,426; Apr. 20.
Copp, Harry N., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-making machine. 1,581,101; Apr. 20.
Corcoran, Thos. J., Lamp Company, The. (See Kuen, Eugene A., assignor.)
Cornforth, Claude V., Wellington, New Zealand. Side-screen attachment for the weather shields of motor vehicles. 1,581,788; Apr. 20.
Correcta Light Company Limited, The. (See Wakfer, William H., assignor.)
Cotton, Arthur F. R., London, England. Sound box. 1,581,177; Apr. 20.
Cotton, Walter H., Chicago, Ill., assignor to Union Draft Gear Co. Draft gear. 1,581,631; Apr. 20.
Cowles, C., & Company. (See Hart, Franklin H., assignor.)
Crandall, Irving B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration-detecting device. 1,581,334; Apr. 20.
Crawford, Ralph F., Salina, Kans. Internal-combustion engine. 1,581,391; Apr. 20.
Creamer, Edgar R. (See Bolender, J. D., and Creamer.)
Cress, H. G., Company, The. (See Cress, Horatio G., assignor.)
Cress, Horatio G., assignor to The H. G. Cress Company, Troy, Ohio. Combined educational and game board. 1,581,178; Apr. 20.
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,581,102; Apr. 20.
Crippen, John W., Clarks Summit, Pa. Lifting and loading device. 1,581,392; Apr. 20.
Criqui, Charles A. (See Larkin, Elwood T., assignor.)

Crisci, Arturo, New York, N. Y. Egg opener. 1,581,789; Apr. 20.

Crofoot, Edwin H., Mason City, Iowa, assignor to Larrowe Construction Company, Detroit, Mich. Anti-freezing solution. 1,581,179; Apr. 20.

Cronkhite, Charles M. (See Martin, G. C., and Cronkhite.)

Crumley, Le Roy A., assignor to L. J. Tombacher, New York, N. Y., and H. M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Plate for lighting fixtures. Des. 69,935; Apr. 20.

Crumley, Le Roy A., assignor to I. J. Tombacher, New York, N. Y., and H. M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Lighting-fixture bracket. Des. 69,936; Apr. 20.

Csanjaghy, Joseph, and W. M. Farkas, Chicago, Ill. Tent. 1,581,180; Apr. 20.

Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Adjustable and collapsible wall fixture. 1,581,427; Apr. 20.

Cunniff, Edward A., Waltham, Mass. Attachment for loom temples. 1,581,393; Apr. 20.

Cuntz, Hermann F., Hartford, Conn. Strut rod for motor vehicles. 1,581,516; Apr. 20.

Cutler-Hammer Mfg. Co., The. (See Sweger, Edwin W., assignor.)

Dahlqvist, Carl E., Stockholm, Sweden. Apparatus for testing hardness of firm bodies. 1,581,839; Apr. 20.

Dahlquist, Ernest L., Auburn, Iowa. Bushing remover. 1,581,483; Apr. 20.

Dahlstrom, John J., New Orleans, La. Novelty toy or exercising device. 1,581,181; Apr. 20.

Dance, Edward T., et al. (See Landrum, John W., assignor.)

Dann, Ernest G., Cleveland, Ohio, assignor to The Dann Products Company. Composite element and making the same. 1,581,394; Apr. 20.

Dann Products Company, The. (See Dann, Ernest G., assignor.)

Danskin, Ralph A., Beaver Crossing, Nebr. Harrow attachment for plow. 1,581,395; Apr. 20.

Darby, Smith, et al. (See Smith, Luther, assignor.)

Dargent, Charles, Brooklyn, N. Y. Water heater. 1,581,920; Apr. 20.

Davenport, Ransom W., Detroit, Mich. Refrigerating apparatus. 1,581,103; Apr. 20.

Davidson, Earl, et al. (See Deputy, Horace E., assignor.)

Davis, Emry, New York, N. Y. Automatic inkwell. 1,581,517; Apr. 20.

Davis, James C., Hinsdale, Ill. Casting and producing the same. 1,581,790; Apr. 20.

Davis, Jasper N., Denver, Colo. Filling plug for storage-battery covers. 1,581,104; Apr. 20.

Davis, Sidney L., receiver. (See Williamson, J. S., and Beach, assignors.)

Davies, David A. (See Kolarik, R., Wendling, Bahnik, and Davies.)

Davison, Elwin T., Athenia, N. J. Body and shoulder brace. 1,581,791; Apr. 20.

Davison, Elwin T., Athenia, N. J. Cutlery sharpener. 1,581,792; Apr. 20.

Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Sighting apparatus for antiaircraft ordnance. 1,581,793; Apr. 20.

Dayton Portable Typewriter Company Incorporated. (See Brandt, Rudolph F., assignor.)

De Fries, Alfred, Cassel, Germany. Hot-nut press. 1,581,632; Apr. 20.

De Garmo, May, South Glens Falls, N. Y. Kitchen cabinet. 1,581,840; Apr. 20.

De Haven, Hugh, jr., assignor to Tl-It Machine Company, San Francisco, Calif. Box-strapping table. 1,581,396; Apr. 20.

De Haven, Hugh, jr., assignor to Tl-It Machine Company, San Francisco, Calif. Process of and apparatus for forming wire ties. 1,581,794; Apr. 20.

Delaney, John H., Los Angeles, Calif. Acoustic finish for interiors of buildings and making the same. 1,581,795; Apr. 20.

Del Rio y Hernandez, Francisco. (See Puras y Sierra, A., and Del Rio y Hernandez.)

De Roquefeuil, Louis, Asnieres, France. Bottle. Des. 69,937; Apr. 20.

Del Valle, Pedro A., Annapolis, Md. Antiskid device. 1,581,722; Apr. 20.

Deputy, Horace E., Long Beach, Wash., assignor of one-tenth to E. Davidson, Portland, Oreg., one-fourth to F. I. Gill, Seattle, Wash. Triple-seal piston ring. 1,581,484; Apr. 20.

De Spirlet, Xavier, Brussels, Belgium. Process and apparatus for the combustion, the reduction, or the treatment of solid material or of pulverized minerals. 1,581,397; Apr. 20.

Detrick, M. H., Company. (See Sheahan, Frank L., assignor.)

De Viney, Lewis N. (See Wishart, Frank A., assignor.)

Dienner, John A., Chicago, Ill. Vacuum feed tank. 1,581,398; Apr. 20.

Dillon, Charles C., Valier, Mont. Combined weeder and cultivator. 1,581,841; Apr. 20.

D'Incognito, Michael, Chicago, Ill. Wire looping and clinching machine. 1,581,105; Apr. 20.

Doble, Ralph N., Bayside, N. Y., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container for electric lamps. 1,581,921; Apr. 20.

Domestic Electric Company, The. (See Spielman, Milton H., assignor.)

Donle, Harold P., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Heater pad. 1,581,429; Apr. 20.

Doody, John E. (See Gilman, A. S., and Doody.)

Dorn, Robert W., Larkins, Fla. Irrigation valve and fitting. 1,581,723; Apr. 20.

Dornier, Claudius, Friedrichshafen-on-the-Bodensee, Germany. Twin-motor flying machine. 1,581,564; Apr. 20.

Dornier, Claudius, Friedrichshafen-on-the-Bodensee, Germany. Wing of flying machines. 1,581,565; Apr. 20.

Dotter, William H., assignor to Frog Switch and Manufacturing Company, Carlisle, Pa. Switch-point protector. 1,581,106; Apr. 20.

Draper Corporation. (See Lussier, Henry, assignor.)

Draper Corporation. (See Poirrier, George, assignor.)

Draper Corporation. (See Snow, Isaac, assignor.)

Driver-Harris Company. (See Henderson, John C., assignor.)

Dryden Rubber Company. (See Beynon, Rees, assignor.)

Dubilier Condenser & Radio Corporation. (See Van Deventer, Harry R., assignor.)

Duckham, Arthur M., London, England, assignor to Isbell-Porter Company, Newark, N. J. Method and apparatus for the extraction of coke from vertical retorts. 1,581,724; Apr. 20.

Duff, Thomas F., Hamilton, Ala. Mold-slide safety device. 1,581,182; Apr. 20.

Dunbar, Ronald C., Chicago, Ill. Propeller pitchometer. 1,581,566; Apr. 20.

Duncan, Henry A., Coffeyville, Kans. Aeroplane control means. 1,581,183; Apr. 20.

Duncan, James H., Monticello, Ky. Convertible bed and chair. 1,581,994; Apr. 20.

Du Pont, E. I., de Nemours & Company. (See Whittaker H. F., and Wollaston, assignors.)

Earle W. Cummings, assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Cabinet furniture. 1,581,428; Apr. 20.

Early, J. L., et al. (See Childs, Robert R., assignor.)

Eastern Laboratories, Inc. (See Gross, Carl G., assignor.)

Eckert, William A., Buffalo, N. Y. Automobile signal. 1,581,335; Apr. 20.

Edison, Thomas A., jr., Orange, N. J. Vacuum feed. 1,581,184; Apr. 20.

Edmunds, Louis L., and J. C. Anderson, Crockett, Calif. Control gate. 1,581,430; Apr. 20.

Edwards, Homer B. (See White, E., and Edwards.)

Egersdörfer, Fritz, Charlottenburg, Germany. Apparatus for atomizing liquid fuel. 1,581,725; Apr. 20.

Eisenberg & Son, M. (See Crumley, Le Roy A.)

Eklund, John, assignor to St. Joseph Iron Works, St. Joseph, Mich. Hoop guide. 1,581,796; Apr. 20.

Elliott, Harmon P., Watertown, Mass. Printing machine. 1,581,726; Apr. 20.

Elliott Service Company. (See Hutchins, George P., assignor.)

Ellis, Horace R., Mendville, Pa. Fastener for sectional window screens. 1,581,185; Apr. 20.

Ellithorpe, Clarence P., Chicago, Ill. Airship. 1,581,336; Apr. 20.

Ellwood, Walter J., Sioux Falls, S. Dak. Badge or the like. Des. 69,939; Apr. 20.

Elverson, Arthur J. H., London, assignor to Herbert Kennedy & Company Limited, Westminster, London, England. Electric contact breaker. 1,581,186; Apr. 20.

English, Fred S., New London, Conn. Feeding device for presses. 1,581,431; Apr. 20.

Engstrom, Ivan, Chicago, Ill. Carry-over mechanism. 1,581,337; Apr. 20.

Erickson, John, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,581,309; Apr. 20.

Erickson, Robert W., Jersey City, N. J. Loud speaker. 1,581,107; Apr. 20.

Erskine-Danforth Corporation. (See Erskine, Ralph C., assignor.)

Erskine, Ralph C., Stamford, Conn., assignor to Erskine-Danforth Corporation. Cupboard or similar article. Des. 69,938; Apr. 20.

Eshbaugh, Jesse E., Dayton, Ohio. Slide rule. 1,581,567; Apr. 20.

Ettema, Joseph, Lester, Iowa. Grease gun. 1,581,995; Apr. 20.

Fageol, Rollie B., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Automobile end fender. 1,581,432; Apr. 20.

Fageol, Rollie B., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Semi-resilient bumper. 1,581,433; Apr. 20.

Faller, F. R. (See Rockwell, Robert L., assignor.)

Fansteel Products Company. (See Webster, Ronald, assignor.)

Farkas, Walter M. (See Csajaghy, J., and Farkas.)

Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Transformer. 1,581,187; Apr. 20.

Febre, Leo, Norfolk, Va. Rim lock. 1,581,434; Apr. 20.

Feige, Adolph E., assignor to Universal Industrial Corporation, Hackensack, N. J. Display stand for hose clamps. 1,581,108; Apr. 20.

Feltenstein, Harry M., et al. (See Crumley, Le Roy A., assignor.)

Ferguson, John E. (See Whitmore, J. B., and Ferguson.)

Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Continuous tank furnace. 1,581,338; Apr. 20.

Ferngren, Enoch T., assignor to Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,581,922; Apr. 20.

Fetschan, Louis W., Cincinnati, Ohio. Food cutter. 1,581,310; Apr. 20.

Fey, George, Tamaqua, Pa. Concrete-block making. 1,581,797; Apr. 20.

Fields, Joseph A. (See Stevens-Arvoy, Blanche, née Reneaux, and Fields.)

Fink, Colin G., assignor to Chemical Treatment Company, Inc., New York, N. Y. Electrodepositing chromium and of preparing baths therefor. 1,581,188; Apr. 20.

Finzer, George F., Hicksville, Ohio. Clothes-boiler attachment. 1,581,996; Apr. 20.

Fischer, Albert C., Chicago, Ill. Expansion-joint-installing device. 1,581,399; Apr. 20.

Fishbein, Rubin, Bayonne, N. J. Hand bag. Des. 69,940; Apr. 20.

Fisk Rubber Company, The. (See Healy, Leon J. D., assignor.)

Fisk Rubber Company, The. (See Procknow, William, assignor.)

Fisk Rubber Company, The. (See Smith, Harry, assignor.)

Fitzgerald, Jeremiah C., Kilbourn, Wis. Animal poke. 1,581,727; Apr. 20.

Flautt, Melvin A., Waynesboro, Pa. Automobile head lamp. 1,581,997; Apr. 20.

Flowers, Henry F., Findlay, Ohio. Convertible car and tractor. 1,581,435; Apr. 20.

Fooks, Nelson H., Preston, Md. Combined cooker and cooler. 1,581,532; Apr. 20.

Ford, Bruce, Philadelphia, Pa. Storage-battery-cell cover. 1,581,568; Apr. 20.

Fort Pitt Bedding Company. (See Trimble, Charles P., assignor.)

Fostoria Glass Co. (See Magee, Wm. H., assignor.)

Foundation Company, The. (See McGregor, J., and Seehusen, assignors.)

Fox, Harry C., New York, N. Y. Coupon ticket. 1,581,339; Apr. 20.

Fox, Michael P., Washington, Pa. Switch stand. 1,581,569; Apr. 20.

Franke, Arthur, Cary Station, Ill. Turnbuckle. 1,581,109; Apr. 20.

Frankel, Irving L., Cincinnati, Ohio. Convertible trousers. 1,581,570; Apr. 20.

Frasier, Susie E., Seattle, Wash. Topical remedy. 1,581,798; Apr. 20.

Frederickson, Otto A., assignor to The American Wiremold Co., Hartford, Conn. Conduit coupling. 1,581,571; Apr. 20.

Freeman, Hiram N., Indianapolis, Ind. Furnace lining. 1,581,263; Apr. 20.

Freer, Winston H., St. Albans, Vt. Lavatory stopper. 1,581,533; Apr. 20.

French, Frank E. (See Pryce, Ralph S., French, and Rostder.)

Frenette, Real, Rosemount, Quebec, assignor of one-half to W. Lemoine, Montreal, Canada. Stone plane. 1,581,311; Apr. 20.

Fried. Krupp Aktiengesellschaft Germaniawerft. (See Soltau, Friedrich, assignor.)

Friedlander, Richard A., and G. E. Gravenstine, assignors to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. 1,581,728; Apr. 20.

Fritzsche, Hermann, H. Gubler, and F. Straub, assignors to the Society of Chemical Industry in Basle, Basel, Switzerland. Acid azo dyestuffs for wool containing chromium and manufacture of same. 1,581,572; Apr. 20.

Frog Switch and Manufacturing Company. (See Dotter, William H., assignor.)

Frome, John H., Rushland, Pa. Educational appliance. 1,581,923; Apr. 20.

Fryoux, Frank J. (See Fryoux, Jules A., jr., and F. J.)

Fryoux, Jules A., jr., and F. J., Baton Rouge, La. Piston ring. 1,581,312; Apr. 20.

Fuchs, William R., Washington, D. C. Game. 1,581,189; Apr. 20.

Fulcher, Frank D., London, England. Straining or filtering apparatus. 1,581,998; Apr. 20.

G. & G. Atlas Systems, Inc. (See Udall, Phillip A., assignor.)

Gabriel Steel Company. (See Zabriskie, William F., assignor.)

Galt, Hugh A., Akron, Ohio, assignor to Pittsburgh Plate Glass Company. Producing commercial hydrochloric acid. 1,581,436; Apr. 20.

Gannon, Arthur J., Miami, Fla. Shade and curtain bracket. 1,581,313; Apr. 20.

Gans, Robert, Bronx, N. Y. Socket attachment. 1,581,534; Apr. 20.

Ganshorn, Philip, Glen Ellyn, Ill. Game. Re16,329; Apr. 20.

Garfunkel, Benjamin J. (See Margolin, George, assignor.)

Garner, Walter J., Lone Star, Petrolia, Tex. Pipe-cleaning machine. 1,581,400; Apr. 20.

Garvé. (See Margolin, George.)

Gates, Frank G., San Francisco, Calif. Enlargement printer. 1,581,999; Apr. 20.

Geery, Henry S. (See Hoxie, William, assignor.)

Gelsenkirchener Bergwerks-A. G. (See Burchartz, Heinrich, assignor.)

General Electric Company. (See Bergman, Sven R., assignor.)

General Electric Company. (See Berry, Edward R., assignor.)

General Electric Company. (See Beschnitt, Albert, assignor.)

General Electric Company. (See Blake, David K., assignor.)

General Electric Company. (See Ciffrinowitsch, Zalmann, assignor.)

General Electric Company. (See Hamilton, William S. H., assignor.)

General Electric Company. (See Hobart, Henry M., assignor.)

General Electric Company. (See Horstkotte, Edward H., assignor.)

General Electric Company. (See Samson, Harry W., assignor.)

General Electric Company. (See Shaw, John, assignor.)

General Electric Company. (See Stace, Austin T., assignor.)

General Electric Company. (See Wright, James G. E., assignor.)

George, John H., Bridgeport, Conn. Distributor for ignition systems. 1,581,190; Apr. 20.

George, Maude S., St. Louis, Mo. Baby pants Re16,330; Apr. 20.

Gerbolck, William K., Neenah, Wis. Combined web-roll shipping and web-dispensing container. 1,581,191; Apr. 20.

Gerdien, Hans, and A. Lotz, Berlin-Grunewald, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin and elsewhere. Arc lamp. 1,581,729; Apr. 20.

Gerrard Wire Tying Machines Company. (See Taplin, Harold J., assignor.)

Gesell, Joseph, Washington, D. C. Instrument for the use of dental floss. 1,582,000; Apr. 20.

Gestetner, D., Limited. (See Gestetner, David, assignor.)

Gestetner, David, assignor to D. Gestetner, Limited, London, England. Duplicating machine. 1,581,730; Apr. 20.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric relay. 1,581,192; Apr. 20.

Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Molded rubber hand knob. 1,582,021; Apr. 20.

Giammatteo, Charles, Bristol, Conn. Heater. 1,582,001; Apr. 20.

Gibbs, Elmer W., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Top. Des. 69,941; Apr. 20.

Gibbs Manufacturing Co., The. (See Gibbs, Elmer W., assignor.)

Gilbert, Thomas W., Greenville, Me. Necktie form. 1,581,193; Apr. 20.

Gill, Forrest L., et al. (See Deputy, Horace E., assignor.)

Gilman, Arthur S. (See Burdell, Arthur, assignor.)

Gilman, Arthur S., Cleveland Heights, Ohio, and J. E. Doody, Toronto, Ontario, Canada; said Doody assignor to said Gilman. Carbon-sheet holder. 1,581,195; Apr. 20.

Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,581,485; Apr. 20.

Gille, August, and L. Nathan, assignors to The Corporation of Nathan Institut A.-G., Zurich, Switzerland. Apparatus for cooling and aerating beer wort and for depositing the sludge. 1,581,194; Apr. 20.

Gleason Works. (See Head, Ernest C., assignor.)

Glose, Robert L. (See Benedict, E. L., and Glose.)

Glover, Orin H., et al. (See Miller, Herman, assignor.)

Gocke, Gustav G., Long Beach, Calif. Recoil register. 1,581,196; Apr. 20.

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,581,110; Apr. 20.

Goetter, Francis D., Oakland, Calif. Combination key, petcock cleaner, and oil container for automobiles. 1,581,633; Apr. 20.

Goldenberg, Lucien, Paris, France. Manufacture of vaccines. 1,581,340; Apr. 20.

Goll, John G., New Rochelle, and P. J. Sowada, Yonkers, N. Y., assignors to Welte-Mignon Corporation, New York, N. Y. Pneumato-electric device. 1,582,002; Apr. 20.

Goodman, William, Pueblo, Colo. Link. 1,581,197; Apr. 20.

Goodrich, Robert J., South Milwaukee, assignor to The Newport Company, Milwaukee, Wis. Anthracene dye and making. 1,581,111; Apr. 20.

Goodwin, Harry S., Grand Junction, Colo., assignor to The Latimer Chemical Company. Arsenate of lead. Re16,331; Apr. 20.

Goodwin, James E., Cedar Bluff, Va. Fire alarm. 1,581,437; Apr. 20.

Goulette, Frank H. (See Anderson, Fred, assignor.)
Graham-White Sander Corporation. (See Ranson, William L., assignor.)
Grahame, Dallas F., assignor to Riley Stoker Corporation, Worcester, Mass. Air-cooled deflecting plate. 1,581,634; Apr. 20.
Gramsa, Joseph G., assignor of one-half to E. B. Chapman, Buffalo, N. Y. Motion-picture-film cleaner. 1,581,198; Apr. 20.
Granger, Gertrude V., Savannah, Ga. Rug bag. 1,581,535; Apr. 20.
Grant, Harry L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric blasting cap. 1,581,799; Apr. 20.
Grant, Richard F., et al. (See Wetherbee, Herbert E., assignor.)
Grattan, David, Los Angeles, Calif. Slack adjuster. 1,581,438; Apr. 20.
Gravenstine, George E. (See Friedlander, R. A., and Gravenstine.)
Graves, William W., Brockton, Mass. Razor sharpener. 1,581,199; Apr. 20.
Gray, Thaddeus J. E., Evansville, Ind. Power-transmission means. 1,581,439; Apr. 20.
Great Eastern Laundry Machinery Company. (See Carnovsky, Charles V., assignor.)
Great Eastern Laundry Machinery Company. (See Mayer, Waldemar F., assignor.)
Green, William, et al. (See Smith, Luther, assignor.)
Greenlee, Eli M., Newport, Ky. Protector for automobile starting-switch buttons. 1,581,924; Apr. 20.
Gregory, Mark E., Ferguson, Mo. Apparatus for raising liquid from a lower to a higher level. 1,581,536; Apr. 20.
Greick, William P. M., St. Paul, Minn. Treating bran and flour middlings for use in whole-grain bread. 1,581,112; Apr. 20.
Griffiths, William H., Hereford, England. Baby soother. 1,582,003; Apr. 20.
Griggs, Carl D., Weston, W. Va. Stamp. 1,582,004; Apr. 20.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,581,113; Apr. 20.
Gross, Carl G., Mount Vernon, assignor to Eastern Laboratories, Inc., New York, N. Y. Therapeutic lamp. 1,582,005; Apr. 20.
Gubler, Hans. (See Fritzsche, Hermann, Gubler, and Straub.)
Guenther, Henry L., Los Angeles, Calif. Variable-speed can-feed mechanism. 1,581,200; Apr. 20.
Guenther, Henry L., Los Angeles, Calif. Differential-speed can-feed mechanism. 1,581,201; Apr. 20.
Gueritey, Charles, assignor to Passaic Metal Ware Co., Passaic, N. J. Making closures for containers. 1,581,680; Apr. 20.
Guinn, John W., Lagrange and L. H. Steel, Vaughn, Ga. Illuminated advertising device. 1,582,006; Apr. 20.
Guinn, S. E., Manufacturing Company. (See Guinn, Samuel E., assignor.)
Guinn, Samuel E., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn. Smoker's stand. Des. 69,942; Apr. 20.
Guinn, Samuel E., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn. Cigar lighter. Des. 69,943; Apr. 20.
Guinness, Arthur B., Brooklyn, assignor to E. V. Hackett, New York, N. Y. Container for hypodermic syringes. 1,581,341; Apr. 20.
Gustin, Daniel S., Newark, N. J., assignor to Westinghouse Lamp Company. Cold exhaustion of incandescent electric lamps and the like. 1,581,731; Apr. 20.
Guyon, Yves. (See Lebosse, A. F., Guyon, and Marty.)
H. & B. American Machine Company. (See Walsh, William A., assignor.)
H. & H. Watameter Co. (See Hammerstrom, Henry H., assignor.)
Haag, Jacobus, Amsterdam, Netherlands. Apparatus comprising perkins tubes. 1,581,114; Apr. 20.
Hackett, Edward V. (See Guinness, Arthur B., assignor.)
Haco-Gesellschaft A.-G. Bern. (See Bally, Oscar, assignor.)
Hageman, Aaron M., Bloomfield, and E. R. Schmid, Verona, N. J., assignors to Westinghouse Lamp Company. Paint and applying the same. 1,581,732; Apr. 20.
Hagerty, Jack, Toledo, Ohio. Alley-pin-cleaner holder. 1,581,733; Apr. 20.
Hahnemann, Walter, Kitzeberg, near Kiel, and W. Rudolph, Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Mounting diaphrams. 1,581,202; Apr. 20.
Hahnemann, Walter, Kitzeberg, near Kiel, and H. Liehte, Kiel, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Sound-conducting tube. 1,581,734; Apr. 20.
Haight, John L., jr., Fort Worth, Tex. Aircraft battery. 1,581,203; Apr. 20.
Halst, Oscar W. (See Stott, F. R. L., and Todd, assignors.)
Hale, Sidney M., Ruardean, England. Connection with plug switches. 1,581,573; Apr. 20.
Hamilton, H. G., Estate of. (See Coates, Ray G., assignor.)
Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Power limiting and indicating system. 1,582,007; Apr. 20.
Hammerstrom, Henry H., Monrovia, assignor, by mesne assignments, to H. & H. Watameter Co., Los Angeles, Calif. Water gauge for radiators for motor vehicles. 1,581,440; Apr. 20.
Hammond, Judd E., Munday, Tex. Vanity manicure box. 1,582,008; Apr. 20.
Hand, Howard H., and J. L. Riddle, Merkel, Tex.; said Riddle assignor of 1 per cent of his share to said Hand. Acetylene-gas generator. 1,582,009; Apr. 20.
Handschiegl, Max, Los Angeles, Calif. Color-transfer machine. 1,581,342; Apr. 20.
Hanna, Howard M., et al. (See Wetherbee, Herbert E., assignor.)
Hanshew, George O. (See Masury, Alfred F., Hanshew, and Jupp.)
Hanson, Hans A., Cedar Rapids, Iowa. Valve-grinding chuck. 1,582,010; Apr. 20.
Hanson, Herman C., Eagle Rock, Calif. Cabinet. 1,581,925; Apr. 20.
Harbaugh, Simon J. (See Reeler, Esten R., assignor.)
Harlveigh, Paul, Paris, France. Self-priming centrifugal pump. 1,581,204; Apr. 20.
Harold, Charles H. H., Aldershot, assignor to United Water Softeners Limited, London, England. Preparation of sterilizing agents, germicides, and the like. 1,581,115; Apr. 20.
Harrelson, Allen M., St. Louis, Mo. Motor-dynamo electrical machinery. 1,582,019; Apr. 20.
Harris, Ford W., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Preventing the persistence of chain formations in an electrical dehydrator for oil emulsions. 1,581,205; Apr. 20.
Harris, John, Cleveland, Ohio, assignor of one-half to J. R. Rose, Edgeworth, Pa. Gaseous fuel. 1,581,441; Apr. 20.
Harris, Lawrence, Latrobe, Pa. Trolley head. 1,581,116; Apr. 20.
Harrison, Sidney C., and H. Hes, Birmingham, England. Press button and like fastening for use with flexible materials. 1,581,206; Apr. 20.
Hart, Franklin H., assignor to C. Cowles & Company, New Haven, Conn. Socket switch. 1,581,735; Apr. 20.
Hart, John P., Los Angeles, Calif. Picnic cabinet. 1,581,343; Apr. 20.
Hart, William E., Woodstock, Ill. Piston-ring tool. 1,582,011; Apr. 20.
Hartigan, John J. (See Moore, William V., assignor.)
Hassler, Lester E., Boyers, Pa. Illustrating device. 1,581,736; Apr. 20.
Hausmeister, Paul, Goppingen Germany. Production of compressed gases by electrolysis. 1,581,944; Apr. 20.
Hawkins, Jesse L., Bakersfield, Calif. Heaving plug for well casings. 1,581,442; Apr. 20.
Hawley, Charles G., assignor to Locomtive Firebox Company, Chicago, Ill. Flexible diaphragm for thermic siphons. 1,581,344; Apr. 20.
Hayden, Frank S., Harrisonburg, Va. Chicken recorder. 1,581,207; Apr. 20.
Hayes, Orville J., Decatur, Ill. Closure fastener for receptacles. 1,581,208; Apr. 20.
Haynes, Harold L., Lakewood, assignor to Larimer Company, Aurora, Ill. Periodic rotary and cam switch. 1,581,117; Apr. 20.
Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Herringbone gear. 1,581,737; Apr. 20.
Healy, Leon J. D., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Paving block. 1,581,345; Apr. 20.
Heath, Frederick T. (See Heath, Frederick and F. T.)
Heath, Frederick, Tacoma, and F. T. Heath, Seattle, Wash. Hollow wall construction and building block. 1,581,574; Apr. 20.
Heisey, A. H., & Co. (See Skinner, N. T. E., and Sanford, assignors.)
Heitz, Albert J., Vincennes, Ind. Electrical switch mechanism. 1,581,209; Apr. 20.
Hellweg, Henry, Milwaukee, Wis. Collapsible box. 1,581,800; Apr. 20.
Henderson, John C., New York, N. Y., assignor to Driver-Harris Company, Harrison, N. J. Heat-resisting article. 1,581,443; Apr. 20.
Henderson, Orton H., Long Beach, Calif. Cable connecter. 1,581,575; Apr. 20.
Hennigh, Henry K., Newcastle, Ind. Windmill. 1,581,537; Apr. 20.
Henry, Augustus M., Brooklyn, N. Y., and C. Horton, Ridgefield Park, N. J., assignors to W. W. Weitling, trustee, College Point, N. Y. Rotary casting method and apparatus. 1,581,635; Apr. 20.
Henshall, Charles T., and L. I. Coggins, San Francisco, Calif. Cleaning composition. 1,581,801; Apr. 20.
Heerlein, Christof, assignor to Pfister & Langhanss Akt.-Ges., Nuremberg, Germany. Hydraulic ram. 1,581,945; Apr. 20.
Herbert, Clifford M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Device for coiling cables. 1,581,314; Apr. 20.
Hermann, Seymour M., New York, N. Y. Composition to assist in dyeing and finishing operations. 1,581,946; Apr. 20.
Herrick, Gerardus P., New York, N. Y. Display device. 1,581,118; Apr. 20.

Herring, Eugen L., Pensacola, Fla. Combination tool. 1,581,119; Apr. 20.
Herzog, Robert, Berlin, and L. Pungs, Berlin-Charlottenburg, assignors to C. Lorenz Aktiengesellschaft, Lorensweg-Berlin-Tempelhof, Germany. Radio signaling system. 1,581,264; Apr. 20.
Heusser, Julius, Clear Lake, Wis. Ventilated can cover. 1,581,210; Apr. 20.
Hewitt, Frank C. (See Knapp, John F., assignor.)
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Hickok, W. O., Mfg. Company. (See Broadmeyer, Albert, assignor.)
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Combined cigar holder and ash receptacle. Des. 69,944; Apr. 20.
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Universal foot treadle. 1,581,738; Apr. 20.
Hilger, George, Chicago, Ill. Automatic valve-operating means for refrigeration systems. 1,581,636; Apr. 20.
Hill, Charles A., Port Huron, Mich., assignor to A. Mueller, trustee, Decatur, Ill. Compression coupling. 1,581,538; Apr. 20.
Hill, Guy. (See Mauborgne, J. O., and Hill.)
Hill, John W. (See Imes, Harry B., assignor.)
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet-delivery table. 1,581,120; Apr. 20.
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Direct-current voltage control of converter systems. 1,581,948; Apr. 20.
Hobbs, Kermit, San Antonio, Tex. Gasoline filter. 1,581,947; Apr. 20.
Hoe, R., & Co. (See Ball, Harry V., assignor.)
Hofmann, Josef, Baumaroche, Switzerland. Load-determining means. 1,581,211; Apr. 20.
Hohmann, Richard K., assignor to Hohmann Sewing Machine Company, Peru, Ind. Rotary take-up. 1,581,346; Apr. 20.
Hohmann Sewing Machine Company. (See Hohmann, Richard K., assignor.)
Holler, Albert R., Erie, Pa. Audible signal and fuel control. 1,581,739; Apr. 20.
Holmes, Frank E., and R. C. Bloomfield, Pasadena, Calif., assignors to F. E. Holmes and R. C. Bloomfield. Universal joint. 1,581,802; Apr. 20.
Holroyd, Charles S., Carlton, Oreg. Rat and mouse trap. 1,581,444; Apr. 20.
Holtzman, John, New York, N. Y. Portable power cutter. 1,581,265; Apr. 20.
Hoover, John E., Washington, D. C. Hat protector. 1,581,445; Apr. 20.
Horrall, Logan, Indianapolis, Ind. Stationery container. Des. 69,945; Apr. 20.
Horstkotte, Edward H., Schenectady, N. Y., assignor to General Electric Company. Segregated drive for paper-making machines and the like. 1,581,949; Apr. 20.
Horton, Albert J. (See Sheffield, W. K., and Horton.)
Horton, Charles. (See Henry A. M., and Horton.)
Horton, Joseph W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave signaling system. 1,581,576; Apr. 20.
Horwitz, Mary, assignor to H. Lazarus, Gloversville, N. Y. Fur lining for gloves. 1,581,740; Apr. 20.
Hoskins, Cicero, Quincy, Ill. Roof flashing. 1,581,741; Apr. 20.
Hosmer, Fred E., Fort Worth, Tex. Recovering gasoline. 1,581,212; Apr. 20.
Hotchkin, Paul M., Chicago, Ill. Holder for reflectors. 1,581,121; Apr. 20.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
Houle, Mederick, Swainsboro, N. H. Mail-bag catcher for mail cars. 1,581,950; Apr. 20.
Houston Blow Pipe and Sheet Metal Works. (See Rogers, John C., assignor.)
Hoxie, William, White Pigeon, Mich., assignor to H. S. Geery, Stamford, Conn. Flux. 1,581,446; Apr. 20.
Hoxie, William, Shellman, Ga., assignor to H. S. Geery, Stamford, Conn. Flux. 1,581,447; Apr. 20.
Huebner, Irwin F., Allentown, Pa. Mailing device and making the same. 1,581,951; Apr. 20.
Huetter, Andrew, Detroit, Mich., assignor of forty-nine one-hundredths to K. Roehll, Dayton, Ohio, and twenty-five one-hundredths to E. B. Huetter, Detroit, Mich. Tube-splicing device. 1,581,448; Apr. 20.
Huetter, Elfriede B., et al. (See Huetter, Andrew, assignor.)
Hughes, William J., Mason City, Iowa. Water purifier for steam boilers. 1,581,122; Apr. 20.
Hugo, Frank A., Edgewood Borough, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Electric battery. 1,582,012; Apr. 20.
Huguley, William C., Belleville, assignor to M. S. Mork & Company, Newark, N. J. Wrapping machine. 1,581,347; Apr. 20.
Hulbert, Edwin F., assignor to Pfister & Vogel Leather Company, Milwaukee, Wis. Controlling the moisture content of leather. 1,581,803; Apr. 20.
Hulscher, Howard W., assignor to Hulscher Motor Company, Battle Creek, Mich. Dimming rheostat. 1,581,123; Apr. 20.
Hulscher Motor Company. (See Hulscher, Howard W., assignor.)
Hulse, Edwin M., administrator. (See O'Connell, Edward J.)
Humphrey, Herbert S., Kalamazoo, Mich. Thermostat. 1,581,124; Apr. 20.
Hunt, Arthur E. (See Watson, E. F., and Hunt.)
Hunt, Stephen A., Cedartown, Ga. Seed planter. 1,581,266; Apr. 20.
Hutchins, George P., assignor to Elliott Service Company, New York, N. Y. Cabinet. 1,581,267; Apr. 20.
Iles, Harry. (See Harrison, S. C., and Iles.)
Imes, Harry B., assignor to J. W. Hill, Chicago, Ill. Lifting jack. Re16,327; Apr. 20.
Indahl, Mauritz, C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Printer's material-making machine. 1,581,125; Apr. 20.
Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic casting machine. 1,581,126; Apr. 20.
Industrial Research Corporation. (See Chilton, Ralph H., assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Sturrock, James, assignor.)
Ingrassia, Leon, Brooklyn, N. Y. Composition of matter. 1,581,577; Apr. 20.
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
Inspiration Consolidated Copper Company. (See Van Arsdale, G. D., Aldrich, and Scott, assignors.)
International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)
International Motor Company. (See Masury, Alfred F., Hanshew, and Jupp, assignors.)
International Time Recording Company of New York. (See Lake, Clair D., assignor.)
Irwin, James L., Fairport, Iowa. Chain tightener and fastener. 1,581,952; Apr. 20.
Isbell-Porter Company. (See Duckham, Arthur M., assignor.)
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Manipulator. 1,581,842; Apr. 20.
Izquierdo, Venancio, Buenos Aires, Argentina. Braking device for front wheels of motor cars. 1,581,449; Apr. 20.
Jackson, Arthur C., Philadelphia, Pa., assignor to The Yale and Towne Manufacturing Company, Stamford, Conn. Protecting cover for padlocks. 1,581,953; Apr. 20.
Jakobsson, Gustav H. (See Childs, Robert R., and Jakobsson.)
Jakobsson, Herman, et al. (See Childs, Robert R., assignor.)
James, David and F., Pasadena, Calif. Bake-pan-supporting device. 1,581,213; Apr. 20.
James, Frederick. (See James, David and F.)
James, Thomas S., Leigh-on-Sea, England. Change-speed gear for motor cars. 1,581,954; Apr. 20.
Jeffrey Manufacturing Company, The. (See Ogden, John G., assignor.)
Jeffrey Manufacturing Company, The. (See Waxbom, Charles E., assiguor.)
Jeffries, Max. (See Laporte, Frank, assignor.)
Jenkins, William J., Roseville, near Sydney, New South Wales, Australia. Shock absorber for motor road vehicles. 1,581,681; Apr. 20.
Johansson, Karl O. A., Stockholm, Sweden. Automatic measuring apparatus for sawmills. 1,581,315; Apr. 20.
Johnson, Edgar H., Stamford, Conn. Extruding machine. 1,581,486; Apr. 20.
Johnson, Glenn A., McPherson, Kans. Book support. 1,581,742; Apr. 20.
Jones, Earl W. (See Jones, Lee B. and E. W., and Werzner.)
Jones, Edgar C., Washington, D. C. Automatic exhibitor. 1,581,127; Apr. 20.
Jones, John L., Dayton, Ohio. Collapsible copyholder for typewriters. 1,581,128; Apr. 20.
Jones, Lee B. and E. W., and E. H. Werzner, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Headlight. 1,581,926; Apr. 20.
Jones, Morris F. (See Xardell, C. A., and Jones.)
Jones, Randall H., Indianapolis, Ind. Ring. Des. 69,946; Apr. 20.
Jordy, Henry E., Huntsville, Tex. Valve-seat puller. 1,581,129; Apr. 20.
Judd, Jesse E. (See Wiechert, G. A., and Judd.)
Jung Oscar H., Milwaukee, Wis. Fuse plug. 1,581,637; Apr. 20.
Jupp, William B. (See Masury, Alfred F., Hanshew, and Jupp.)
Just, Richard, Ludwigshafen-on-the-Rhine, K. Wilke, Hochst-on-the-Main, and P. Nawiasky, assignors to Badische Anilin- & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Black vat dyestuff composition. 1,581,638; Apr. 20.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Means for correcting errors in gun-training devices. 1,581,268; Apr. 20.
Kampf, Mabel J., Hollywood, Calif. Inner dust bag for vacuum cleaners. 1,581,450; Apr. 20.

Kane, Jesse C., assignor to Chipman Knitting Mills, Easton, Pa. Knitting machine. 1,582,013; Apr. 20.
Kansas City Gasoline Company, The. (See Wellman, Frank E., assignor.)
Kaplan, Samuel, Monroe, La. Wheel. 1,581,348; Apr. 20.
Kaplan, Samuel, Monroe, La. Wheel. 1,581,639; Apr. 20.
Karstetter, John H., Altoona, Pa. Pneumatic music-sheet control for player pianos. 1,581,955; Apr. 20.
Kauch, Robert. (See Paulus, Charles L., and Kauch.)
Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Quickly-detachable connection for the power plant or power-plant unit of an airplane. 1,581,539; Apr. 20.
Kaufmann, Charles F. L. and W. L., Santa Ana, Calif. Bumper. 1,581,349; Apr. 20.
Kaufmann, Walter L. (See Kaufmann, Charles F. L. and W. L.)
Kearns, John, and E. G. Webber, assignors of one-half to Lee Tire & Rubber Company, Consbohocken, Pa. Pneumatic tire and building the same. 1,581,743; Apr. 20.
Keefer, William H., Union Bridge, Md. Telephone stand. 1,581,956; Apr. 20.
Keller, John D., Pittsburgh, Pa. Flow meter. 1,581,957; Apr. 20.
Kellett, William P., Brantford, Ontario, Canada. Railway car. 1,581,744; Apr. 20.
Kellett, William P., Brantford, Ontario, Canada. Transportation system. 1,581,745; Apr. 20.
Kellett, William P., Brantford, Ontario, Canada. Transportation means. 1,581,746; Apr. 20.
Kelley, George L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Treating metals to inhibit excessive grain growth. 1,581,269; Apr. 20.
Kelley, O'Brien, Cootes Store, Va. Guard finger. 1,581,214; Apr. 20.
Kellogg Switchboard and Supply Company. (See Sucksoff, Samuel, assignor.)
Kelvinator Corporation. (See Smith, Harold E., assignor.)
Kendall, James W., assignor of one-half to J. L. Barngrove, St. Louis, Mo. Device for holding drills for sharpening. 1,582,014; Apr. 20.
Kennedy, Herbert, & Company Limited. (See Elverson, Arthur J. H., assignor.)
Kent, Frank J. (See Loppacker, Albert, assignor.)
Kerner, Otto. (See Winfield, E. F., and Kerner.)
Keyes-Davis Company, The. (See Leggott, David, assignor.)
Kienast, Timothy William, assignor to H. Trenchard, jr., Brooklyn, N. Y. Envelope machine. 1,581,316; Apr. 20.
Kieselbach, Otto L., New York, N. Y. Tea ball. 1,581,578; Apr. 20.
Killman, Thomas A., Nashville, Tenn. Can opener. 1,581,958; Apr. 20.
Kimbler, Henry R., St. Louis, Mo. Garment marker. 1,581,350; Apr. 20.
Kimmel, Jess D., and R. J. McMahon, Dayton, Ohio. Lubricant. 1,581,804; Apr. 20.
Kinch, John A., Taft, Calif. Oil-well fishing tool. 1,581,959; Apr. 20.
King, John H., Norwood, Mo. Holder. 1,581,960; Apr. 20.
King, Oral A., South Norfolk, Va. Gasoline reserve and control device for automobiles. 1,581,961; Apr. 20.
Kipper, Joseph, Seattle, Wash. Meat mold. 1,581,640; Apr. 20.
Kirkman, Ralph, Brooklyn, N. Y. Cuticle remover. 1,581,317; Apr. 20.
Kirsch, Charles W., Sturgis, Mich. Curtain-rod and window-shade-roller bracket. 1,581,805; Apr. 20.
Kirsch, Charles W., Sturgis, Mich. Master drapery carrier for curtain rods. 1,581,806; Apr. 20.
Kirschbraun, Lester, Chicago, Ill. Emulsion and making same. Re16,328; Apr. 20.
Kispert, Joseph J., Branford, assignor to I. Newman & Sons, New Haven, Conn. Corset. 1,581,962; Apr. 20.
Knapp, John F., San Jose, assignor of one-half to F. C. Hewitt, Davis, Calif. Fire-safe cigarette. 1,581,451; Apr. 20.
Knight, James E. (See Browne, C. G., and Knight.)
Knisley, Clyde, Huntington Beach, Calif. Elevator. 1,581,270; Apr. 20.
Kobin, Henry V., assignor to Real Silk Hosiery Mills, Indianapolis, Ind. Testing machine. 1,581,215; Apr. 20.
Kohler, Gustavus A. E., Chicago, Ill. Frame construction for buildings, etc. 1,581,487; Apr. 20.
Kolarik, Ralph, J. C. Wendling, E. M. Bahnik, and D. A. Davies, Cleveland, Ohio. Combined tire carrier and rim-expanding tool. 1,581,807; Apr. 20.
Kollmorgan, Karl J. (See Lase, Hans C. F., assignor.)
Kollock, George L., Seattle, Wash. Electric drill. 1,581,927; Apr. 20.
Koppers Company, The. (See Van Ackeren, Joseph, assignor.)
Korfist, Adam J., Berwyn, assignor to A. Stein & Company, Chicago, Ill. Display carton and displaying articles therein. 1,581,271; Apr. 20.
Kraus, Charles E., assignor of two-thirds to F. W. Kraus and one-third to R. Ruthenburg, Louisville, Ky. Automobile bumper and attaching means. Re16,332; Apr. 20.
Kraus, Fred W., et al. (See Kraus, Charles E., assignor.)
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc. Lighting fixture. Des. 69,947; Apr. 20.
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc. Backplate for lighting fixtures. Des. 69,948; Apr. 20.
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co., Inc. Band for lighting fixtures. Des. 69,949; Apr. 20.
Krause, Erich, Constance, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Oxidation of ethyl alcohol to acetaldehyde. 1,581,641; Apr. 20.
Krause, William C., Milwaukee, Wis. Metallic grating for bottle crates. 1,581,642; Apr. 20.
Krehbiel, Edward H., Ottawa, Ill. Watch stand. 1,581,452; Apr. 20.
Kreisinger, Henry, Pittsburgh, Pa., J. Anderson, Milwaukee, Wis., and J. E. Bell, Brooklyn, N. Y., assignors to Combustion Engineering Corporation. Method of and apparatus for burning pulverized fuel. 1,581,351; Apr. 20.
Krueger, Emil M., Milwaukee, Wis., assignor to Badger Meter Manufacturing Company. Water-meter casing. 1,581,130; Apr. 20.
Kruse, Charles A., Santa Rosa, Calif. Transmission cover for motor vehicles. 1,581,928; Apr. 20.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Movable conveyer rack. 1,581,352; Apr. 20.
Kummer, Edward, Junction City, Kans. Tractor hitch. 1,581,272; Apr. 20.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,581,643; Apr. 20.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,581,644; Apr. 20.
Kynch, Montague W., Regina, Saskatchewan, Canada. Combination desk and chair. 1,581,579; Apr. 20
Lafave, Adolphus. (See Lafave, Adrean and A.)
Lafave, Adrean and A., Tupper Lake, N. Y. Handle for cutlery. 1,581,929; Apr. 20
La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Delivering charges of molten glass. 1,581,963; Apr. 20.
Lake, Clair D., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Casing for time recorders. Des. 69,950; Apr. 20.
Lamb, Charles H. (See Pratt, W. B., and Lamb.)
Lambert, Frank W., Darlinghurst, near Sydney, New South Wales, Australia. Steering control. 1,581,930; Apr. 20.
Lamplugh, Henry A., Olton, England. Construction of vehicle bodies. 1,581,931; Apr. 20.
Lance, Benjamin W. (See Austin, Clarence G., assignor.)
Landon, Nora M., Richmond, Va. Brassière. 1,581,747; Apr. 20.
Landrum, John W., assignor of one-third to S. C. Whitlow and one-third to E. T. Dance, Lynchburg, Va. Adjustable box form for wrapping machines. 1,581,932; Apr. 20.
Lang Body Company, The. (See Sponder, Harry C., assignor.)
Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
Laporte, Frank, assignor of one-half to M. Jeffries, Oakland, Calif. Purse retainer. 1,581,645; Apr. 20.
Larimer Company. (See Haynes, Harold L., assignor.)
Larkin, Elwood T., assignor to C. A. Criqui, Buffalo, N. Y. Platon. 1,581,964; Apr. 20.
Larrowe Construction Company. (See Crofoot, Edwin H., assignor.)
Larsen, Austin C., et al., executors. (See Larsen, William.)
Larsen, Carl C., Walkerton, Ontario, Canada. Structural toy. 1,581,646; Apr. 20.
Larsen, Milton W., et al., executors. (See Larsen, William.)
Larsen, William, deceased, Green Bay, Wis.; A. C. and M. W. Larsen and J. H. Tayler, executors. Vegetable-blanching machine. 1,581,933; Apr. 20.
Larsen, William, deceased, by A. C. and M. W. Larsen and J. H. Tayler, executors, Green Bay, Wis. Blanching vegetables. 1,581,934; Apr. 20.
Larson, David C. (See Lindquist, D. L., and Larson.)
Larson, David C., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Switch-interlocking mechanism. 1,581,453; Apr. 20.
Larson, J. Sigfrid, Portland, Oreg. Fluid-pressure regulator. 1,581,454; Apr. 20.
Lase, Hans C. F., assignor of one-half to K. J. Kollmorgan, Bancroft, Nebr. Post puller. 1,581,935; Apr. 20.
Laski, Frank, Lomita, Calif. Submarine vessel. 1,581,580. Apr. 20.
Latimer Chemical Company, The. (See Goodwin, Harry B., assignor.)
Lawrence, Charles M., Brooklyn, assignor to Underwood Typewriting Company, New York, N. Y. Typewriting machine. 1,581,131; Apr. 20.
Layman, J. T., et al. (See Childs, Robert R., assignor.)
Layton, Robert M. (See Sons, John A., assignor.)

Layton, William D., Sebastopol, Calif. Hammer handle. 1,581,647; Apr. 20.
Lazarus, Harris. (See Horwitz, Mary, assignor.)
Leader Iron Works. (See Cook, Charles L., assignor.)
Leahy, Herbert V., Los Angeles, Calif. Furnace. 1,581,353; Apr. 20.
Leake, Thomas C., assignor to Bear Tractor Corporation of America, New York, N. Y. Tractor. 1,581,648; Apr. 20.
Leavell, Livingston L., Cleveland, Ohio, assignor to Orr Engineering Corporation, New York, N. Y. Fuel-oil burner. 1,581,354; Apr. 20.
Lebossé, Albert F., Ste.-Adresse, Y. Guyon, and R. H. C. Marty, Paris, France. Machine for making wire fabric. 1,581,965; Apr. 20.
Lee, Margaret E., San Francisco, Calif. Spike puller. 1,581,275. Apr. 20.
Lee Tire & Rubber Company. (See Kearns, J., and Webber, assignors.)
Leggott, David, assignor to The Keyes-Davis Company, Inc., Battle Creek, Mich. Laundry-marking pin. 1,581,966; Apr. 20.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Embroidery pattern and making the same. 1,581,936; Apr. 20.
Leishman, Le Roy J. Ogden, Utah. System for transmitting graphic illustrations. 1,581,937; Apr. 20.
Lemoine, Wilfrid. (See Frenette, Real, assignor.)
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work clamp for buttonhole-sewing machines. 1,581,274; Apr. 20.
Lewis, John M. B., Lynchburg, Va. Headlight. 1,581,581; Apr. 20.
Lewis, Ralph S., San Francisco, assignor to Standard Steel Wheel & Tire Armor Company, Oakland, Calif. Method of and apparatus for forming radially-corrugated disks. 1,581,488; Apr. 20.
Lewy, Daniel. (See Buttusov, Emil P., assignor.)
Libbey Glass Manufacturing Co. (See Ratner, Richard I., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Libshitz, Harry, Atlantic City, N. J. Receptacle for use by cap makers. 1,581,938; Apr. 20.
Lichte, Hugo. (See Hahnemann, W., and Lichte.)
Lien, Syver, Comfrey, Minn. Power-transmitting attachment for tractors. 1,581,275; Apr. 20.
Lincoln, John C., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio. Mold for cast-welding rail bonds. 1,581,455; Apr. 20.
Lincoln, John C., assignor, by mesne assignments, to The Union Trust Company, Cleveland, Ohio. Bonding railway rails. 1,581,456; Apr. 20.
Lindquist, David L., Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator safety appliance. 1,581,458; Apr. 20.
Lindquist, David L., Hartsdale, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator safety appliance. 1,581,459; Apr. 20.
Lindquist, David L., Hartsdale, and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Motor-controlling apparatus. 1,581,457; Apr. 20.
Lion Electric Manufacturing Co., The. (See Krause, Arthur R., assignor.)
Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
Lissen, Olov G., Jersey City, N. J. Radio inductance coil. 1,581,967; Apr. 20.
Little, Thomas F., sr., Laurel Hill, N. Y. Windowed umbrella. 1,581,843; Apr. 20.
Llum, Julius O., Christine, N. Dak. Excavating machinery. 1,581,318; Apr. 20.
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Reversible toothed gearing for locomotives. 1,581,276; Apr. 20.
Llobet, Juan, Habana, Cuba. Safety-razor blade. 1,581,968; Apr. 20.
Lloyd, Charles E. H., Los Angeles, Calif. Hydraulic pump and system. 1,581,582; Apr. 20.
Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed-weaving machine. 1,581,355; Apr. 20.
Locomotive Firebox Company. (See Hawley, Charles G., assignor.)
Lofberg, Clarence, Bogota, N. J., assignor to Nelson Tool Company, Inc., New York, N. Y. Radiocondenser. 1,581,356; Apr. 20.
Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telegraph-switching system. 1,581,844; Apr. 20.
Long, Otto M. (See Christy, S. B., Long, and Brents.)
Long, Walter, Harrisburg, Oreg. Bolt lock. 1,581,216; Apr. 20.
Longaker, Albert A., assignor to The Wolf Company, Chambersburg, Pa. Attrition mill. 1,581,969; Apr. 20.
Loppacker, Albert, Bloomfield, N. J., assignor of one-half to himself and one-half to F. J. Kent, New York, N. Y. Double-faced radio detector element. 1,581,649; Apr. 20.
Lorenz, C., Aktiengesellschaft. (See Herzog, R., and Pungs, assignors.)
Loth, Stephen, Trenton, N. J. Necktie. 1,581,845; Apr. 20.
Lott, Carl, Zurich, Switzerland. Commutator motor with switching arrangement for the rotor windings. 1,581,846; Apr. 20.
Lotz, Albert. (See Gerdien, H., and Lotz.)
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Envelope-stacking attachment for printing presses. 1,581,583; Apr. 20.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Form-roller structure for printing presses. 1,581,584; Apr. 20.
Lund, John A., assignor to Twin City Scenic Company, Minneapolis, Minn. Chain fastener and lock. 1,581,748; Apr. 20.
Lussier, Henry, Salem, assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle. 1,581,585; Apr. 20.
MacCormac, Gleeson E., Los Angeles, Calif. Arc lamp, electrode unit for the same and method of producing light. 1,581,357; Apr. 20.
Macdonald, Murdock, Cleveland, Ohio. Feeding mechanism for autographic registers. 1,581,847; Apr. 20.
Mackenzie, Franklin H., Philadelphia, Pa. Radioaerial. 1,581,133; Apr. 20.
Mackie, Richard W. (See McCauley, G. W., and Mackie.)
Mackintosh, William B. (See Anthony, W. C., and Mackintosh.)
Macrae, Roderick, Chicago, Ill. Sail structure. 1,581,848; Apr. 20.
Madsen, Nils, Los Angeles, Calif. Hull-cleaning machine for ships afloat. 1,581,849; Apr. 20.
Magee Carpet Company, The. (See McCollum, Alfred F., assignor.)
Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Plate. Des. 69,951; Apr. 20.
Magirus, C. D., Aktiengesellschaft. (See Mayer, Conrad, assignor.)
Magnuson, Albert T. (See Carlson, A. E., and Magnuson.)
Maguire, John P., Martins Ferry, Ohio. Electric heater for the rollers of metal-rolling machines. 1,581,218; Apr. 20.
Mahony, William, Hamilton, Ontario, Canada. Refrigerated bottle display cabinet. 1,581,749; Apr. 20.
Mandt, Obert G., Keokuk, assignor to The American Cement Machine Co., Keokuk, Iowa. Concrete mixer. 1,581,587; Apr. 20.
Mantilla, Gerardo, Los Angeles, Calif. Headwear. 1,581,750; Apr. 20.
Mantle Lamp Company of America, The. (See Pettibone, Stanley A., assignor.).
Mantsion, Frank X., Philadelphia, Pa. Wall protector. 1,581,971; Apr. 20.
Marden, Charles W., Portland, Oreg. Paper-pulp-beating engine. 1,581,464; Apr. 20.
Margolin, George, assignor to B. J. Garfunkel, New York, N. Y., doing business under the name or style of Garvé Hat stretcher. 1,581,940; Apr. 20.
Marinsky, Davis, Bronx, N. Y. Fastening device. 1,581,751; Apr. 20.
Marsh, C. A., & Co. (See Warden, Charles F., assignor.)
Martin, George C., Los Angeles, Calif. Clutch. 1,581,652; Apr. 20.
Martin, George C., and C. M. Cronkhite, Los Angeles, Calif. Hydraulic concrete-pipe machine. 1,581,653; Apr. 20.
Martin, Willis H., Los Angeles, Calif. Spring closure for molasses gates. 1,581,941; Apr. 20.
Martindell, Frank, Baldwin, N. Y., assignor to The Anthony Company, Long Island City, N. Y. Nebulizer of liquids. 1,581,752; Apr. 20.
Martins, William C., Dieterich, Ill. Fencepost mold. 1,581,850; Apr. 20.
Marton, Charles T., assignor to J. R. Powers, doing business under the name and style of Rochester Street Signal Company, Rochester, N. Y. Traffic signal. Des. 69,952; Apr. 20.
Martus, Martin L., Woodbury, and E. H. Becker, Waterbury, Conn. Battery cell. 1,581,851; Apr. 20.
Marty, René H. C. (See Lebossé, A. F., Guyon, and Marty.)
Marvin, Gilbert E., and J. Wipfli, Nekoosa, Wis. Plug for rolls of paper and the like. 1,581,279; Apr. 20.
Marx & Haas Clothing Co. (See Rivett, A. W., and Weinberger, assignors.)
Massie, Elihu E., Portsmouth, Ohio. Window-sash control. 1,581,852; Apr. 20.
Mason, Thomas S., Hartford, Conn. Megaphone. 1,581,972; Apr. 20.
Masury, Alfred F., New York, G. O. Hanshew, Brooklyn, and W. B. Jupp, New York, assignors to International Motor Company, New York, N. Y. Cushioned support for vehicle bodies. 1,581,588; Apr. 20.
Mathews, Richard G., London, England. Reflex camera. 1,581,853; Apr. 20.
Mauborgne, Joseph O., Chicago, Ill., and G. Hill, Washington, D. C. Wave meter. 1,581,219; Apr. 20.
Mauss, Wilhelm, Durban, Natal, South Africa. Jacketing internal-combustion engines. 1,581,280; Apr. 20.
May, Ellwood H., Minneapolis, Minn. Sliding hanger for folding doors. 1,581,854; Apr. 20.
May, Ernest, East St. Louis, Ill. Surface-rubbing machine. 1,581,855; Apr. 20.

Mayer, Conrad, assignor to C. D. Magirus, Aktiengesellschaft, Ulm a. d. Donau, Germany. Vehicular fire escape. 1,581,358; Apr. 20.

Mayer, Waldemar F., Yonkers, assignor, by mesne assignments, to Great Eastern Laundry Machinery Company, New York, N. Y. Automatic selective timing mechanism. 1,581,753; Apr. 20.

Mayers, Karl L., and M. A. Newman, San Antonio, Tex. Attachment for internal-combustion motors. 1,581,589; Apr. 20.

McCartney, Charles E., Red Bluff, Calif. Hoisting skip. 1,581,650; Apr. 20.

McCaslin, Clifford H., Oakland, Calif. Picture exhibitor. 1,581,460; Apr. 20.

McCauley, George W., and R. W. Mackie, Houston, Tex. Airplane sound amplifier. 1,581,586; Apr. 20.

McCloud, Charles V. (See Moss, Albert A., assignor.)

McCollum, Alfred F., assignor to The Magee Carpet Company, Bloomsburg, Pa. Rug. 1,581,970; Apr. 20.

McCormick, Robert R., Chicago, Ill. Printing press. 1,581,132; Apr. 20.

McDermott, Henry, Milwaukee, Wis., assignor to McDermott Mechanical Co., Iron River, Mich. Excavator. 1,581,278; Apr. 20.

McDermott Mechanical Co. (See McDermott, Henry, assignor.)

McGregor, John, and F. C. Seehusen, New York, N. Y., assignors to The Foundation Company. Heat exchanger. 1,581,651; Apr. 20.

McIntyre, Kenneth A.. (See Browne, C. G., and Knight, assignors.)

McIver, Daniel E., assignor of one-third to J. S. McIver and one-third to A. S. Olson, Duluth, Minn. Signaling device. 1,581,939; Apr. 20.

McIver, John S., et al. (See McIver, Daniel E., assignor.)

McKaig, Eddy T., Chicago, Ill. Shock absorber. 1,581,489; Apr. 20.

McKaig, Eddy T., Chicago, Ill. Shock absorber. 1,581,490; Apr. 20.

McKee, Thomas C., sr., East Cleveland, Ohio. Letter box. 1,581,808; Apr. 20.

McKeefe, Edward P. (See Bradley, L., and McKeefe.)

McKeever, Eldridge A., Catasauqua, Pa. Auxiliary air-inlet device. 1,581,461; Apr. 20.

McLaughlin, Frank, Toronto, Ontario, Canada. Dispensing device. 1,581,277; Apr. 20.

McMahon, Ralph J. (See Kimmel, J. D., and McMahon.)

McMath, John E. (See Townsend, Frank B., assignor.)

McSweeney, George P., Memphis, Tenn. Dust collector. 1,581,462; Apr. 20.

Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,607; Apr. 20.

Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,614; Apr. 20.

Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,615; Apr. 20.

Meauregraph Company, The. (See Wheeler, John L., assignor.)

Mechau, Robert, assignor to the Firm Carl Zeiss, Jena, Germany. Electric-current interrupter. 1,581,754; Apr. 20.

Mediate, Paul, Cleveland, Ohio. Boat-propelling mechanism. 1,581,856; Apr. 20.

Mergott, J. E., Co. (See Hiering, William C., assignor.)

Merrill Hosiery Company. (See Nebel, Karl, assignor.)

Merseles, Herbert E., Bronxville, N. Y. Washing machine. 1,581,134; Apr. 20.

Mesta Machine Company. (See Iversen, Lorenz, assignor.)

Metal Office Furniture Company. (See Wege, Peter M., assignor.)

Metal Research Corporation. (See Strong, W. E. S., Parsons, and Peacock, assignors.)

Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)

Meyer, John J., New York, N. Y. Insertable joint pipe support. 1,581,755; Apr. 20.

Meyer, John J., New York, N. Y. Insertable joint. 1,581,973; Apr. 20.

Meyer, John J., New York, N. Y. Insertable joint. 1,581,974; Apr. 20.

Meyer, John J., New York, N. Y. Insertable joint. 1,581,975; Apr. 20.

Michels, William F., Milwaukee, Wis. Lighting fixture. Des. 69,953; Apr. 20.

Michels, William F., Milwaukee, Wis. Lighting fixture. Des. 69,954; Apr. 20.

Michels, William F., Milwaukee, Wis. Lighting fixture. Des. 69,955; Apr. 20.

Michels, William F., Milwaukee, Wis. Lighting fixture. Des. 69,956; Apr. 20.

Miller, Charles, Long Island City, N. Y. Rotary drying apparatus. 1,581,359; Apr. 20.

Miller, Grneff, Ridgewood, N. J. Bottle or similar article. Des. 69,957; Apr. 20.

Miller, Herman, Oak Park, Ill., assignor of one-third to C. G. Novak, and one-third to O. H. Glover. Oil burner for heating furnaces and the like. 1,581,135; Apr. 20.

Miller Improved Gas Engine Company, The. (See Watts, Elmer A., assignor.)

Miller Rubber Company, The. (See Brundage, James W., assignor.)

Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Toy race-course device. 1,581,756; Apr. 20.

Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Toy race-course device. 1,581,757; Apr. 20.

Mills Novelty Company. (See Mills, Fred L., assignor.)

Minnesota Mining and Manufacturing Company. (See Okie, Francis G., assignor.)

Mir, Pedro, San Pedro de Macoris, Dominican Republic. Catchall for multiple-effect evaporators and vacuum pans. 1,581,220; Apr. 20.

Mitchell, William H., Nutley, N. J., and A. B. Tappen, Briarcliff Manor, N. Y. Grating support. 1,581,281; Apr. 20.

Mix, Martin I., Chicago, Ill. Gate valve. 1,581,654; Apr. 20.

Mo, Billy, et al. (See Williams, David E., assignor.)

Moe-Bridges Company. (See Bridges, C. A., and Sutherland, assignors.)

Moeller, Christ, Denver, Iowa. Roof construction. 1,581,136; Apr. 20.

Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,581,221; Apr. 20.

Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,581,222; Apr. 20.

Monaghan, Frank W., Watertown, N. Y., assignor to The Bagley and Sewall Company. Paper-making machine. 1,581,655; Apr. 20.

Monaghan, Frank W., Watertown, N. Y., assignor to The Bagley and Sewall Company. Paper-making machine. 1,581,656; Apr. 20.

Monitor Controller Company. (See Whittingham, George H., assignor.)

Moomaw, Ben C., et al. (See Childs, Robert R., assignor.)

Moomaw, W. H., et al. (See Childs, Robert R., assignor.)

Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Pneumatic tire. 1,581,590; Apr. 20.

Moore Inventions Corporation. (See Moore, Arlington, assignor.)

Moore, Julian M., Portsmouth, Va. Atomizing liquid fuel. 1,581,223; Apr. 20.

Moore, William V., assignor of one-half to J. J. Hartigan, New York, N. Y. Ignition tester. 1,581,976; Apr. 20.

Moors, Walter C., Owensboro, Ky. Clothes-drying rack. 1,581,463; Apr. 20.

Moreau, Henri, Paris, France. Water-heating system. 1,581,591; Apr. 20.

Morgan Woodwork Company. (See Zellmer, George R., assignor.)

Morison, Hector M., Newbury, England. Chick brooder. 1,581,857; Apr. 20.

Mork, M. S., & Company. (See Huguley, William C., assignor.)

Morris, Charles E., assignor of one-half to C. W. Parker, Leavenworth, Kans. Carrousel. 1,582,015; Apr. 20.

Morris, Howard I., assignor to The Yoder Morris Company, Cleveland, Ohio. Mechanism for controlling the discharge of liquid from receptacles. 1,581,758; Apr. 20.

Morrison, James A. S., Grappenhall, England. Tanning and the manufacture of tanning materials. 1,581,224; Apr. 20.

Morse, Albert W., Long Island City, N. Y. Nebulizer. 1,581,759; Apr. 20.

Morton, William A., Los Angeles, Calif. Turbine. 1,581,465; Apr. 20.

Moss, Albert A., Newark, assignor of one-fourth to C. V. McCloud, West Orange, N. J. Car coupling. 1,581,466; Apr. 20.

Mount, William H., Summit, N. J. Shipping and display box. 1,581,518; Apr. 20.

Moxley, Berry C., Hoquiam, Wash. Portable steam generator. 1,581,760; Apr. 20.

Mueller, Adolph, trustee. (See Hill, Charles A., assignor.)

Mueller, Curt B., West Park, Ohio. Table-shifting appliance. 1,581,682; Apr. 20.

Mueller, Max, Newark, N. J., assignor to Cello Products Incorporated, New York, N. Y. Hermetically sealing containers. 1,581,401; Apr. 20.

Mueller, William A., Aberdeen, S. Dak. Automatic release coupling. 1,581,467; Apr. 20.

Muir, Wellington W., Lockport, N. Y. Hot-air heater for automobiles. 1,581,761; Apr. 20.

Muller, Alexander M., Oakland, Calif. Automobile bumper. 1,581,282; Apr. 20.

Murchison, Hugh R., Columbia, S. C. Lock for filler caps. 1,581,762; Apr. 20.

Murphy, Walter P. (See Conwell, Samuel H., assignor.)

Musgrave, Claude E., assignor to W. C. Blackburn, Lewistown, Mont. Camping outfit. 1,582,858; Apr. 20.

Nathan Institut A.-G. (See Gille, A., and Nathan, assignors.)

Nathan, Leopold. (See Gille, A., and Nathan.)

National Automatic Tool Company, The. (See Peters, Frebert J., assignor.)

Naugle, Roy L., Blackstone, Va. Radius-rod clamp. 1,581,283; Apr. 20.

Nawalsky, Paul. (See Just, R., Wilke, and Nawalsky.)

Neal, Frank R., Woodfords, Me. Creeper. 1,581,592; Apr. 20.

Nebel, Karl, Philadelphia, Pa., assignor to Merrill Hosiery Company, Hornell, N. Y. Thread-controlling mechanism for knitting machines. 1,581,977; Apr. 20.

Neebe, Lawrence L. (See Pollock, J. W., and Neebe.)

Nelson Tool Company Inc. (See Lofberg, Clarence, assignor.)

New, Catherine M., Indianapolis, Ind. Game. 1,581,859; Apr. 20.

New England Wood Heel Co. (See Shaw, Wesley J., assignor.)

New Idea Spreader Company, The. (See Synck, Henry, assignor.)

Newman, L., & Sons. (See Kispert, Joseph J., assignor.)

Newman, Malcolm A. (See Mayers, K. L., and Newman.)

Newmark, Aaron S., New York, N. Y. Folding tool. 1,581,593; Apr. 20.

Newport Company, The. (See Goodrich, Robert J., assignor.)

Newton, Charles, Buffalo, N. Y. Firing-trigger mechanism for firearms. 1,581,763; Apr. 20.

Nicholls, William T., Farber, Mo. Centrifugal water motor. 1,581,683; Apr. 20.

Nichols, Henry, New York, N. Y. Vehicle wheel. 1,581,860; Apr. 20.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 69,958; Apr. 20.

Nolen, James G., New York, N. Y. Method and construction of fusing electrical sockets. 1,591,284; Apr. 20.

Novak, Charles G., et al. (See Miller, Herman, assignor.)

Oakes, John H., Buffalo, N. Y. Paper clip. 1,581,137; Apr. 20.

Oberdorfer, Donald, Atlanta, Ga. Sole and heel. 1,581,861. Apr. 20.

O'Brien, James R., Chicago, Ill. Road marker. 1,581,809; Apr. 20.

O'Connell, Edward J., deceased, Fort Wayne, Ind., E. M. Hulse, administrator. Dewatering attachment for concentrating tables. 1,582,020; Apr. 20.

Oelkers, Alfred H., Springfield, Mo. Roof construction. 1,581,978; Apr. 20.

Ogden, John G., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Single-roll crusher. 1,581,684; Apr. 20.

Ohio Brass Company, The. (See Austin, Arthur O., assignor.)

Ohio Brass Company, The. (See Mead, George A., assignor.)

Ohio Brass Company, The. (See Stolp, Samuel S., assignor.)

Okie, Francis G., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Abrasive article. 1,581,657; Apr. 20.

Oldroyd, Fred, Cincinnati, Ohio. Loading machine. 1,581,685; Apr. 20.

O'Leary, John J., Sebastopol, Calif. Egg scale. 1,581,468; Apr. 20.

O'Leary, William J., Montreal, Quebec, Canada. Speed-changing method and apparatus. 1,581,594; Apr. 20.

O'Loughlin, Thomas C., Detroit, Mich. Adjustable clamp. 1,581,138; Apr. 20.

Olson, A. Selmer, et al. (See McIver, Daniel E., assignor.)

Orr Engineering Corporation. (See Leavell, Livingston L., assignor.)

Orrock, John W., Montreal, Quebec, Canada. Ventilating sectional smoke jack. 1,581,979; Apr. 20.

Osborne, Herbert C., Baltimore, Md. Valve. 1,581,595; Apr. 20.

Oskin, Benedict C., Chicago, Ill. Safety razor. 1,581,469; Apr. 20.

Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)

Otis Elevator Company. (See Clemence, Edward, assignor.)

Otis Elevator Company. (See Larson, David C., assignor.)

Otis Elevator Company (See Lindquist, David L., assignor.)

Otis Elevator Company. (See Lindquist, D. L., and Larson, assignors.)

O'Toole, Edward, Gary, W. Va. Screen. 1,581,686; Apr. 20.

Owens Bottle Company, The. (See Ferngren, Enoch T., assignor.)

Owens Bottle Company, The. (See La France, Richard, assignor.)

Owens, Frank R., Beaver Crossing, Nebr. Windmill. 1,581,862. Apr. 20.

Owens, Frank R., Beaver Crossing, Nebr. Pump jack. 1,581,863; Apr. 20.

Owens, Horace L., Philadelphia, Pa. Shelf support. 1,581,658; Apr. 20.

Pacific Pitting Machine Company Inc. (See Bem, Joseph P., assignor.)

Page, Harry, East Haven, assignor to Sargent & Company, New Haven, Conn. Lock for gear-shift levers and the like. 1,581,285; Apr. 20.

Palmolive Company, The. (See Schwantes, Julius A., assignor.)

Panay Horizontal Show Jar Co. (See Shover, Lamar H., assignor.)

Pape, Louis R., Columbus, Ohio. Machine for polishing floors. 1,581,687; Apr. 20.

Park, Floyd A., Dinuba, Calif. Grape-packing device. 1,581,470; Apr. 20.

Parker, Charles W. (See Morris, Charles E., assignor.)

Parker, Harry W., Brooklyn, N. Y. Hydrocarbon burner. 1,581,286; Apr. 20.

Parker, John M., Goodman, Mo. Combined manger and trough. 1,581,287; Apr. 20.

Parker, Otis D., Portsmouth, Va. Car-door lock. 1,581,864; Apr. 20.

Parkhill, John, Rochester, Minn. Carpenter's combination tool. 1,581,225; Apr. 20.

Parks, Paul B. (See Russell, E. A., and Parks.)

Parsons, Charles E. (See Strong, W. E. S., Parsons, and Peacock.)

Partlow, Howard W., Utica, N. Y. Thermostatic governor for gas ovens. 1,581,139; Apr. 20.

Passaic Metal Ware Company. (See Aulbach, Charles J., assignor.)

Passaic Metal Ware Co. (See Gueritey, Charles, assignor.)

Patent Button Company, The. (See White, Franklin R., assignor.)

Patrick, Isaac, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for punching or swaging rims or the like. 1,581,810; Apr. 20.

Pauley, Edward E., Marion, Ind. Device for protecting banks from robbery. 1,581,319; Apr. 20.

Paulus, Charles L. (See Kauch, R., and Paulus.)

Paulus, Charles L., and R. Kauch, Dayton, Ohio. Fire extinguisher. 1,581,540; Apr. 20.

Paxton, Donaldson, Oakland, Calif. Combined packing and bearing means. 1,581,471; Apr. 20.

Peacock, Samuel. (See Strong, W. E. S., Parsons, and Peacock.)

Peale, Rembrandt. (See Conrad, George W., assignor.)

Pearson, Frederick, Fort Omaha, Nebr. Toy airplane. 1,581,980; Apr. 20.

Pehrson, Alfred K., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Articulated car. 1,581,688; Apr. 20.

Penfrase, Edward L., Chicago, Ill. Golfers' indoor practice tee. 1,581,402; Apr. 20.

Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)

Perin, Donald W., Brookline, assignor, by mesne assignments, to Perin-Walsh Company, Boston, Mass. Parcel delivery. 1,581,689; Apr. 20.

Perin-Walsh Company. (See Perin, Donald W., assignor.)

Perry, John E., Sharon, Pa. Method and apparatus for casting ingot molds. 1,581,541; Apr. 20.

Peters, Frebert J., assignor to The National Automatic Tool Company, Richmond, Ind. Method and apparatus for back facing. 1,581,542; Apr. 20.

Petersen, Anker, Winthrop, Mass. Braiding machine. 1,581,543; Apr. 20.

Petersen, Axel C. G. (See Poulsen, A., and Petersen.)

Petnel, Joseph A., Troy, N. Y. Automobile signal. 1,581,226; Apr. 20.

Petroleum Rectifying Company of California. (See Harris, Ford W., assignor.)

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,959; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,960; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,961; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,962; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,963; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,964; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,965; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,966; Apr. 20.

Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp shade. Des. 69,967; Apr. 20.

Pettigrew, Charles W., Parkersburg, W. Va. Supplemental seat for automobiles and the like. 1,581,596; Apr. 20.

Pettit, Wade S., Hammond, Ind. Door latch and lock. 1,581,865; Apr. 20.

Pfeiffer, Frederick, & Co. Inc. (See Bomhard, Karl, assignor.)

Pfister & Langhanss Akt.-Ges. (See Heerlein, Christof, assignor.)

Pfister & Vogel Leather Company. (See Hulbert, Edwin F., assignor.)

Pflaum, Emil, Omaha, Nebr. Animal-scratching device. 1,581,544; Apr. 20.

Phelps, Wendell H., New York, N. Y. Emergency-call device. 1,581,981; Apr. 20.
Pintsch, Julius, Aktien-Gesellschaft. (See Bennhold, Walter, assignor.)
Pittsburgh Plate Glass Company. (See Galt, Hugh A., assignor.)
Pneumatic Scale Corporation, Limited. (See Doble, Ralph N., assignor.)
Poirrier, George, Grosvenor Dale, Conn., assignor to Draper Corporation, Hopedale, Mass. Hopper-actuating mechanism for filling replenishing looms. 1,581,597; Apr. 20.
Pollock, John W., Ridley Park, Pa., and L. L. Neebe, Woodbury, N. J., assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive crank axle. 1,581,982; Apr. 20.
Polzer, Fridolin, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,581,288; Apr. 20.
Positive Lock Company, The. (See Vandervoort, Francis M., assignor.)
Post, Otto T., Charlottenburg, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Power-plant installation. 1,581,866; Apr. 20.
Poulsen, Arnold, and A. C. G. Petersen, Copenhagen, Denmark. Recording means. 1,5581,598; Apr. 20.
Powell, Arthur L., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Two-filament street-series lamp. 1,581,690; Apr. 20.
Powers Accounting Machine Corporation. (See Buchter, Jan, assignor.)
Powers, John R. (See Marton, Charles T., assignor.)
Prache, Charles, Paris, France. Preventing incrustation of pipes. 1,581,545; Apr. 20.
Pratt, Warren B., and C. H. Lamb, Proctor, Colo. Plant guard for cultivators. 1,581,227; Apr. 20.
Pressed Steel Car Company. (See Pehrson, Alfred K., assignor.)
Prihoda, Fred F., Long Island City, N. Y. Clothesline appliance. 1,581,289; Apr. 20.
Procknow, William, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Repair stand. 1,581,360; Apr. 20.
Proctor & Schwartz, Incorporated. (See Bogaty, Hermann, assignor.)
Proctor & Schwartz, Incorporated. (See White, E., and Edwards, assignors.)
Pryce, Ralph S., and F. E. French, Lincoln, and W. S. Bostder, Chadron, Nebr. Self-feeding pencil. 1,581,472; Apr. 20.
Pumphrey, Homer, J., jr., Clayton, Ohio. Electric air pressure indicator for pneumatic tires. 1,581,320; Apr. 20.
Pungs, Leo. (See Herzog, R., and Pungs.)
Purras y Sierra, Angel, and F. del Rio y Hernandez, Cueto, Cuba. Feeding mechanism for projection apparatus. 1,581,228; Apr. 20.
Quast, Paul S., Los Angeles, Calif. Maintaining hair in position. 1,581,140; Apr. 20.
Rail Welding and Bonding Company. (See Applegate, R. R., and Austin, assignor.)
Raithel, Frank E., Jefferson City, Mo. Fish gig. 1,581,321; Apr. 20.
Ranson, William L., assignor, by mesne assignments, to Graham-White Sander Corporation, Roanoke, Va. Locomotive sander valve. 1,581,546; Apr. 20.
Ratner, Richard L., New York, N. Y., assignor to Libbey Glass Manufacturing Co., Toledo, Ohio. Table glassware. 1,581,691; Apr. 20.
Ray, John A., Kissimmee, Fla. Vending machine. 1,581,867; Apr. 20.
Real Silk Hosiery Mills. (See Kobin, Henry V., assignor.)
Reed, Frederic P., East Orange, N. J., assignor to American Multitone Papers Corporation, Waterford, N. Y. Method of and apparatus for applying color. 1,581,322; Apr. 20.
Reed, William E., Pittsburgh, Pa. Electric welding machine. 1,581,868; Apr. 20.
Reinhold, Georg, Selbitz, Germany. Traveler ring for spinning and twisting machines. 1,581,869; Apr. 20.
Rhodes, Taylor C., St. Paul, Minn. Reflecting means. 1,581,491; Apr. 20.
Rich, Evert, Los Angeles, Calif. Rotary-valve-tightening mechanism. 1,581,942; Apr. 20.
Rickerson, Grady G., assignor to Augusta Bedding Company, Augusta, Ga. Spring structure. 1,581,870; Apr. 20.
Riddle, Josiah L. (See Hand, H. H., and Riddle.)
Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)
Rivarola, Fernando M., Buenos Aires, Argentina. Anti-skidding device for motor-car wheels. 1,581,473; Apr. 20.
Rivett, Arthur W., and B. Weinberger, assignors to Marx & Haas Clothing Co., St. Louis, Mo. Worktable. 1,581,323; Apr. 20.
Roach, Harry F., St. Louis, Mo. Anamorphous total-reflecting prism. 1,581,659; Apr. 20.
Roberts, Lloyd S., Hamilton, Mont. French drip percolator. 1,581,871; Apr. 20.
Robertson, Christopher S., Jacksonville, Fla. Side-window attachment for automobiles. 1,581,474; Apr. 20.
Robertson, Harry M., Lakewood, Ohio. Apparatus for and process of treating food products. 1,581,519; Apr. 20.
Rochester Street Signal Company. (See Marton, Charles T.)
Rockwell, Robert L., Seattle, assignor of one-half to F. R. Faller, Everett, Wash. Electric furnace. 1,581,872; Apr. 20.
Roehll, Kurt, et al. (See Huetter, Andrew, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Krause, Erich, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Trusler, Ralf B., assignor.)
Rogers, John C., assignor to Houston Blow Pipe and Sheet Metal Works, Houston, Tex. Condenser drum. 1,581,324; Apr. 20.
Rome Metallic Bedstead Company. (See Roseburgh, Ernest L., assignor.)
Romero, Gil A., Habana, Cuba. Sugar-cane hoisting and weighing apparatus. 1,581,873; Apr. 20.
Rood, William B., Ware, Mass. Turning tool. 1,581,983; Apr. 20.
Rosa, Claude M. (See Sunday, Frank, assignor.)
Rose, James R. (See Harris, John, assignor.)
Rosenberg, James, Cleveland, Ohio. Forming stereotypes. 1,581,290; Apr. 20.
Rosenburgh, Ernest L., assignor to Rome Metallic Bedstead Company, Rome, N. Y. Bedstead corner. 1,581,291; Apr. 20.
Rosgnard, Marius, Brooklyn, N. Y. Fire escape. 1,581,660; Apr. 20.
Ross, Harry E., Denver, Colo. Power-transmission mechanism. 1,581,292; Apr. 20.
Rossatti, Pedro Y., Montevideo, Uruguay. Oil burner. 1,581,984; Apr. 20.
Rotax Co. (See Schatz, William A., assignor.)
Roth, William C., Le Roy, N. Y. Potato gatherer, 1,581,599; Apr. 20.
Rowe, Arthur F., Leatherhead, England. Case for cigarettes and other articles. 1,581,547; Apr. 20.
Royal Metal Lighting Fixture Company. (See Siptrott, Paul, assignor.)
Royall, John H., Philadelphia, assignor to P. E. Beam, St. Davids, Pa. Tipping machine. 1,581,692; Apr. 20.
Royan, George, assignor to American Oven & Machine Company, Chicago, Ill. Machine for molding dough and like plastic material. 1,581,141; Apr. 20.
Rubenstein, Ben, assignor to Ruby Lamp Mfg. Co. Inc., New York, N. Y. Lamp stand or article of similar nature. Des. 69,968; Apr. 20.
Rubin, Frederick W., Indianapolis, Ind. Sealing construction. 1,581,811; Apr. 20.
Ruby Lamp Mfg. Co. Inc. (See Rubenstein, Ben, assignor.)
Ruddell, Harry I., Winnipeg, Manitoba, Canada. Fish bait. 1,581,548; Apr. 20.
Rudolph, Wilhelm. (See Hahnemann, W., and Rudolph.)
Rumfelt, James C., Manes, Mo. Engine-repair stand. 1,581,874; Apr. 20.
Russell, Edward A., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Controlling valve for car-heating systems. 1,581,293; Apr. 20.
Russell, Edward A., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Float trap. 1,581,294; Apr. 20.
Russell, Samuel G., and E. T. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,581,661; Apr. 20.
Ruthenburg, Reuben, et al. (See Kraus, Charles E., assignor.)
Ruths, Johannes K., Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam plant. 1,581,229; Apr. 20.
Ryan, Michael W., and M. Uttendorfer, Seattle, Wash. Temperature indicator. 1,581,812; Apr. 20.
Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Concrete mixer. 1,581,492; Apr. 20.
Sachs, Max, New York, N. Y. Hand bag. 1,581,985; Apr. 20.
St. Joseph Iron Works. (See Eklund, John, assignor.)
Salvog, Nels O., Knox, N. Dak. Locking hook for anti-skid chains. 1,581,875; Apr. 20.
Samson, Harry W., Niskayuna, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,581,876; Apr. 20.
Sanders, John F., Roseburg, Oreg. Extracting arsenide from ores. 1,581,475; Apr. 20.
Sands, Russell J., Pasadena, Calif. Extensible mast and supporting means therefor. 1,581,325; Apr. 20.
Sanford, Andrew J. (See Skinner, N. T. E., and Sanford.)
Sanford, Hugh W., Knoxville, Tenn. Wheel and axle. 1,581,476; Apr. 20.
Sangers, John C., Cleveland, Ohio. Curtain stretcher. 1,581,662; Apr. 20.
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Sargent & Company. (See Page, Harry, assignor.)
Sawyer, Frank M., Miami, Fla. Wall construction. 1,581,142; Apr. 20.
Schaeffer, Harry H., assignor to The Schieble Toy & Novelty Company, Dayton, Ohio. Mechanism for opening and closing doors. 1,581,295; Apr. 20.

Schatz, William A., assignor to Rotax Co., Inc., New York, N. Y. Liquid dispenser. Des. 69,969; Apr. 20.
Schieble Toy & Novelty Company, The. (See Schaeffer, Harry H., assignor.)
Schlepp, Morris, New York, N. Y. Ceiling fixture. Des. 69,971; Apr. 20.
Schloemer, Johannes, New York, N. Y. Ice-cream disher and measurer. 1,581,493; Apr. 20.
Schmid, Edward R. (See Hageman, A. M., and Schmid.)
Schmidt, Georg K. W., Feuchtwangen, Germany. Brush. 1,581,549; Apr. 20.
Schmidt, Joseph L., Blossvale, N. Y. Self-heating sadiron. 1,581,327; Apr. 20.
Schmied, James W., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating carrier waves. 1,581,296; Apr. 20.
Schmitt, Walter M., Evansville, Ind. Decorative finish and obtaining same. 1,581,813; Apr. 20.
Schmuck, Nicolai H., Hamburg, Germany. Mousetrap. 1,581,297; Apr. 20.
Schneider, Adolf. (See Clemm, H., and Schneider.)
Schneider, Albert J., Dayton, Ohio. Smoking stand. Des. 69,972; Apr. 20.
Scholer, August, Pittsburgh, Pa. Vehicle toy. 1,581,550; Apr. 20.
Schotten, Jerome J., St. Louis, Mo. Box or similar container. Des. 69,970; Apr. 20.
Schotthoefer, Joseph G., Peoria, Ill. Grease pump. 1,581,298; Apr. 20.
Schranz, Rudolph A. (See Ballzer, J., and Schranz.)
Schreiber, Herman, Lansing, Mich. Manufacture of sugar. 1,581,663; Apr. 20.
Schroyer, Franklin, Hutchinson, Kans. Hat. 1,581,230; Apr. 20.
Schuh, Edward J., Spokane, Wash. Machine for making concrete products. 1,581,814; Apr. 20.
Schultz, Adolf J., Kansas City, Mo., now, by judicial change of name, Adolf L. Schultz. Batter pitcher. 1,581,877; Apr. 20.
Schumacher, John, Los Angeles, Calif. Method and apparatus for forming plaster board. 1,581,328; Apr. 20.
Schütz, Wilhelm, Dusseldorf, Germany. Masonry coat holder for mortar and the like. 1,581,329; Apr. 20.
Schwantes, Julius A., Milwaukee, Wis., assignor to The Palmolive Company, Wilmington, Del. Apparatus for shredding and drying soap. 1,581,664; Apr. 20.
Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,581,520; Apr. 20.
Scott, Lewis L., St. Louis, Mo. Refrigerating unit. 1,581,665; Apr. 20.
Scott, Walter G. (See Van Arsdale, G. D., Aldrich, and Scott.)
Scott, Wilson, et al. (See Smith, Luther, assignor.)
Scully, Alexander D., New York, N. Y. Mechanical toe movement device for artificial limbs. 1,581,815; Apr. 20.
Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,581,143; Apr. 20.
Seeholzer, John A., Detroit, Mich. Door latch. 1,581,693. Apr. 20.
Seebusen, Frank C. (See McGregor, J., and Seebusen.)
Seminerio, Decenzio L., assignor to Societa Italiana Registratori Sir, Turin, Italy. Printing device for cash registering machines. 1,581,217; Apr. 20.
Senger, Daniel P., Minot, N. Dak. Earth scoop. 1,581,231; Apr. 20.
Shafer, William H., Sacramento, Calif. Automatic elevator gate. 1,581,477; Apr. 20.
Shakespeare Company. (See Russell, S. G., and Clickner, assignors.)
Shaklu, Samuel. (See Winograd, R., and Shakin.)
Shanck, Roy B., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Preventing bias in telegraph systems. 1,581,326; Apr. 20.
Sharp, George B., Salt Lake City, Utah. Flagman's case. 1,581,551; Apr. 20.
Shattuck, Orville F., Indianapolis, Ind. Door carrier. 1,581,816; Apr. 20.
Shaw, John, St. Annes-on-Sea, England, assignor to General Electric Company. Speed-controlling means for ring-spinning machines and the like. 1,581,878; Apr. 20.
Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Heel-trimming machine. 1,581,330; Apr. 20.
Sheahan, Frank I., East Orange, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Furnace-wall construction. 1,581,817; Apr. 20.
Sheckels, James G., assignor of one-half to E. Albiez, Cincinnati, Ohio. Refrigerator construction. 1,581,986; Apr. 20.
Sheffield, Washington K., and A. J. Horton, New London, Conn.; said Horton assignor to said Sheffield. Cover retainer. 1,581,818; Apr. 20.
Shepard, Henry H., Scranton, Pa. Car-stopping device. 1,581,987; Apr. 20.
Shiba, Yaichiro, San Jose, Calif. Button. 1,581,299; Apr. 20.
Shoenberg, Milton H., San Francisco, Calif. Waffle iron. Des. 69,973; Apr. 20.
Shover, Lamar H., assignor to Panay Horizontal Show Jar Co., Milwaukee, Wis. Display device. Des. 69,974; Apr. 20.

Siegel, Wilhelm, Berlin-Charlottenburg, Germany. Manufacturing sodium fluoride from silicofluorine compounds. 1,581,819; Apr. 20.
Siemens & Halske Aktiengesellschaft. (See Gerdien, H., and Lotz, assignor.)
Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)
Signal Gesellschaft mit beschränkter Haftung. (See Habnemann, W., and Lichte, assignors.)
Signal Gesellschaft m. b. H. (See Habnemann, W., and Rudolph, assignors.)
Simmons, Harry D., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Buttonhole gauge. 1,581,232; Apr. 20.
Sims, James M., and O. M. Brooks, Shreveport, La. Belted steel tube still for distilling oil. 1,581,879; Apr. 20.
Siptrott, Paul, New York, N. Y., assignor to Royal Metal Lighting Fixture Company, Inc. Backplate for lighting fixtures. Des. 69,975; Apr. 20.
Skidmore, Edward A., Unionville, N. Y. Boat. 1,581,880; Apr. 20.
Skinner, Noah T. E., and A. J. Sanford, assignors to A. H. Heisey & Co., Newark, Ohio. Machine for finishing glassware. 1,581,552; Apr. 20.
Skubé, Mathias J., Seattle, Wash. Fireplace damper. 1,581,403; Apr. 20.
Smalley, James S., Muscatine, Iowa. Motor-car drive. 1,581,988; Apr. 20.
Smith, Charles H., Mart, Tex. Cotton chopper. 1,581,404; Apr. 20.
Smith, Clarence R., Miami, Fla. Speed-boat hull. 1,581,881; Apr. 20.
Smith, E. Payson. (See Brown, Lloyd J., assignor.)
Smith, Edwin C., et al., executors. (See Wardwell, Simon W.)
Smith, Harold E., Cleveland Heights, Ohio, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Compressor unit. 1,582,016; Apr. 27.
Smith, Harry, Cudahy, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Assembly of tread units. 1,581,361; Apr. 20.
Smith, Irving, Winsted, Conn. Safety razor. 1,581,694; Apr. 20.
Smith, Luther, assignor of one-tenth per cent to W. Green, two-tenths per cent to H. Stewart, two-tenths per cent to W. Scott, two-tenths per cent to M. Wilson, and two-tenths per cent to S. Darby, Norristown, Pa. Railway-rail joint. 1,581,405; Apr. 20.
Smith, Raymond D., Scaradale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Thermostatically-controlled socket switch. 1,581,233; Apr. 20.
Smith, Sam R., Los Angeles, Calif. Tent structure. 1,581,331; Apr. 20.
Smith, T. L., Company, The. (See Rybeck, Adolph W., assignor.)
Snow, Isaac Lawrence, assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,581,600; Apr. 20.
Snyder, Orval H., and W. H. Brockley, Dayton, Ohio. Sky writing. 1,581,521; Apr. 20.
Societa Italiana Registratori Sir. (See Seminerio, Decenzio L., assignor.)
Society of Chemical Industry in Basle, The. (See Fritzshe, H. Gubler, and Straub, assignors.)
Soltau, Frederich, Kiel, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Drive for ships' propellers by means of internal-combustion engines. 1,581,553; Apr. 20.
Soltau, Friedrich, Kiel, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Eliminating dangerous vibration periods in ships' propeller shafts. 1,581,554; Apr. 20.
So-Me-On Corporation. (See Lehmann, Kurt, assignor.)
Sons, John A., Humble, assignor of one-half to R. M. Layton, Harris County, Tex. Pump-pressure governor. 1,581,234; Apr. 20.
Sorel, Henry A., Chicago, Ill. Finger-exercising device. 1,581,235; Apr. 20.
Sowada, Paul J. (See Coll, J. G., and Sowada.)
Speck, Paul, Karlsruhe, Germany. Sanitary closet pan. 1,581,601; Apr. 20.
Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois and A. K. Bodholdt, Evanston, Ill. Apparatus for making roofing units. 1,581,236; Apr. 20.
Sperry Gyroscope Company, The. (See Whitaker, Omar B., assignor.)
Spielman, Milton H., assignor to The Domestic Electric Company, Cleveland, Ohio. Telephone receiver. 1,581,237; Apr. 20.
Sponder, Harry C., assignor to The Lang Body Company, Cleveland, Ohio. Combined visor and sign holder for automotive vehicles. 1,581,602; Apr. 20.
Stace, Austin T., Coventry, England, assignor to General Electric Company. Head-telephone set. 1,581,882; Apr. 20.
Stahle, John A., Boston, Mass. Musical toy. 1,581,238; Apr. 20.
Standard Steel Wheel & Tire Armor Company. (See Lewis, Ralph S., assignor.)
Star Drilling Machine Company, The. (See Yeaton, A. F., and Breyfogle, assignors.)

Starr, Charles E., assignor to Perfecto Gear Differential Co., Oakland, Calif. Transmission gearing. 1,581,695; Apr. 20.
Stebbins, Albert H., Los Angeles, Calif. Dust-extractor unit. 1,581,239; Apr. 20.
Stebbins, Albert H., Los Angeles, Calif. Pneumatic classifier. 1,581,240; Apr. 20.
Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,581,241; Apr. 20.
Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,581,242; Apr. 20.
Stebbins, Henry S., Jamestown, N. Dak. Apparatus for burning weeds, etc. 1,581,406; Apr. 20.
Steele, Lawrence H. (See Gulnn, J. W., and Steele.)
Stehmann, Harry, Berlin-Hohenschonhausen, Germany. Device for burning cement magnesite, lime, etc. 1,581,522; Apr. 20.
Stein, A., & Company. (See Korfist, Adam J., assignor.)
Stein, Isaac A., Galveston, Tex. Agitator attachment for valves. 1,581,362; Apr. 20.
Steinle, Adolf, assignor to the Firm Carl Zeiss, Jena, Germany. Machine for cutting noncircular glasses. 1,581,883; Apr. 20.
Stetson, Frank H., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I. Side overlap shuttle. 1,581,300; Apr. 20.
Steuart, Richard C., Towson, and B. S. Cockey, Cockeysville, Md. Steering-wheel heater. 1,581,884; Apr. 20.
Stevens-Arvoy, Blanche, née Reneaux, Paris, France, and J. A. Fields, New York, N. Y. Combined perfume bottle and holder. Des. 69,976; Apr. 20.
Stewart, Hampton, et al. (See Smith, Luther, assignor.)
Stewart, John, Los Angeles, Calif. Protector for containers. 1,581,885; Apr. 20.
Stipes, Reuben B., Flint, Mich. Wheel chock. 1,581,696; Apr. 20.
Stöckemann, Ernst, Berlin-Tempelhof, Germany. Device for producing a constant cutting speed of lathes and other machine tools. 1,581,697; Apr. 20.
Stoeber, Charles H., Rochester, N. Y. Humidifier attachment for hot-air registers. 1,581,243; Apr. 20.
Stolp, Samuel S., Louisville, Ky. Electrically-operated track switch. 1,581,616; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. 1,581,603; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrical system. 1,581,604; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated switch system. 1,581,605; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,606; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,608; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,609; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,610; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,611; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,612; Apr. 20.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrically-operated track switch. 1,581,613; Apr. 20.
Stott, Frederick R. L., and W. E. A. Todd, assignors of forty one-hundredths to O. W. Hulst, Hamilton, Canada, forty one-hundredths to said Stott, and twenty one-hundredths to said Todd. Emergency bumper for vehicles. 1,581,301; Apr. 20.
Stover, Murray A., Rialto, Calif. Saxophone. 1,581,494; Apr. 20.
Strand, Jacob, assignor to Stransky Products Corp., New York, N. Y. Sales and display card. 1,581,886; Apr. 20.
Stransky Products Corp. (See Strand, Jacob, assignor.)
Straub, Fritz. (See Fritzsche, H. Gubler, and Straub.)
Straussler, Nicholas, London, England. Universal joint. 1,581,820; Apr. 20.
Streeter-Amet Weighing & Recording Company. (See Blockhan, Peter H., assignor.)
Streeter-Amet Weighing & Recording Company. (See Wiley, George G., assignor.)
Streun, John A., Sherman, Tex. Cotton separator. 1,581,363; Apr. 20.
Strong, William E. S., C. E. Parsons, New York, N. Y., and S. Peacock, Wheeling, W. Va., assignors to Metal Research Corporation, New York, N. Y. Making metallic chromium. 1,581,698; Apr. 20.
Sturges, Preston, Brooklyn, N. Y. Making engraved plates. 1,581,617; Apr. 20.
Sturrock, James, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Surfacing machine. 1,581,699; Apr. 20.
Suckoff, Samuel, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,581,244; Apr. 20.
Sulzberger, Nathan, New York, N. Y. Paper. 1,581,618; Apr. 20.
Sulzberger, Nathan, New York, N. Y. Asbestos paper, etc. 1,581,619; Apr. 20.
Summer, Philip V., London, England. Ear-supported telephone receiver. 1,581,700; Apr. 20.
Sunbeam Electric Manufacturing Company. (See Jones, Lee B. and E. W., and Werzner, assignors.)
Sunday, Frank, assignor of one-half to C. M. Rosa, Detroit, Mich. Control system for car heating. 1,581,364; Apr. 20.
Sutherland, Alexander K. (See Bridges, C. A., and Sutherland.)
Suzuki, Tomonori, Tokyo, Japan. Machine for cleaning rice and the like. 1,581,245; Apr. 20.
Synck, Henry, assignor, by mesne assignments, to The New Idea Spreader Company, Coldwater, Ohio. Manure spreader. 1,581,620; Apr. 20.
Tabenau, David, Paris, France. Pipe. 1,581,989; Apr. 20.
Taplin, Harold J., assignor to Gerrard Wire Tying Machines Company Limited, London, England. Staple for use with hand-stapling machines. 1,581,887; Apr. 20.
Tappen, Alexander B. (See Mitchell, W. H., and Tappen.)
Taylor, Joseph H., et al., executors. (See Larsen, William.)
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal control system. 1,581,701; Apr. 20.
Teetor, Charles N., Hagerstown, Ind. Piston ring. 1,581,246; Apr. 20.
Thatcher, Albert E., Detroit, Mich. Plumber's trap. 1,581,478; Apr. 20.
Thavenet, John, Stonington, Conn. Ventilating system. 1,581,365; Apr. 20.
Thomas, Arthur, Ada, Mich. Collapsible receptacle. 1,581,888; Apr. 20.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale casing. Des. 69,977; Apr. 20.
Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,581,302; Apr. 20.
Thomas, Wion P., Carlton, N. Y. Grading machine. 1,581,247; Apr. 20.
Thompson, Ralph S., New York, N. Y. Massaging device. 1,581,248; Apr. 20.
Thomson, S. H., Manufacturing Company, The. (See Friedlander, R. A., and Gravenstine, assignors.)
Tiede, Helen, Hoboken, N. J. Clothesline covering. 1,581,889; Apr. 20.
Tiffany, Leverett W., Winsted, Conn. Level attachment. 1,581,249; Apr. 20.
Ti-It Machine Company. (See De Haven, Hugh, jr., assignor.)
Tillman, Ferdinand J., St. Louis, Mo. Indoor game. 1,581,144; Apr. 20.
Todd, Jay, et al. (See Beebe, Anton N., assignor.)
Todd, Verne J., et al. (See Beebe, Anton N., assignor.)
Todd, William E. A. (See Stott, F. R. L., and Todd.)
Toledo Scale Company. (See Thomas, Edward G., assignor.)
Tombacher, Israel J., et al. (See Crumley, Le Roy A., assignor.)
Toomey, John J., Chicago, Ill. Oven door. 1,581,702; Apr. 20.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towler, John C., Hughson, Calif. Attachment for bean cutters. 1,581,555; Apr. 20.
Townsend, Frank B., assignor of one-half to J. E. McMath, Penn Yan, N. Y. Combined basket handle and cover fastener. 1,581,407; Apr. 20.
Trembath, Dionysius W., New York, N. Y. Skirt marker. 1,581,703; Apr. 20.
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Trenchard, Henry, jr. (See Kienast, Timothy W., assignor.)
Treubig, Frederick G., Ozone Park, N. Y. Combined toothbrush, tooth paste, and glass holder. 1,581,250; Apr. 20.
Tribune Company, The. (See Yetter, John C., assignor.)
Trimble, Charles P., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Duplex spring. 1,581,523; Apr. 20.
Troppman, Charles J., Chicago, Ill., assignor to American Optical Company, Southbridge, Mass. Foot clutch for lens-surfacing machines. 1,581,251; Apr. 20.
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Trusler, Ralf B., Pittsburgh, Pa., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Production of amide acid sulphates from nitriles. 1,581,621; Apr. 20.
Tucker, Major, Brocton, N. Y. Basket handle and cover clamp. 1,581,990; Apr. 20.
Tunison, Arthur C., Los Angeles, Calif. Deep-well pump. 1,581,890; Apr. 20.
Turner, George A., Stockton, Calif. Inductance-coil control. 1,581,366; Apr. 20.
Twin City Scenic Company. (See Lund, John A., assignor.)
Tyrrell, Auther L. (See Andersen, A. P., and Tyrrell.)

Udall, Phillip A., New York, N. Y., assignor to G. & G. Atlas Systems, Inc. Carrier tube. 1,581,252; Apr. 20.
Underation, John, Albia, Iowa. Auger head. 1,581,303; Apr. 20.
Underation, Joseph, Hocking, Iowa. Clothespin. 1,581,304; Apr. 20.
Underwood Typewriter Company. (See Crews, Clarence M., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Lawrence, Charles M., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Unger, John S., Chicago, Ill. Ammonia distillation. 1,581,367; Apr. 20.
Union Draft Gear Co. (See Cotton, Walter H., assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Tool Company. (See Zerbe, Lewis E., assignor.)
Union Trust Company, The. (See Lincoln, John C., assignor.)
United Shoe Machinery Corporation. (See Copp, Harry N., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
U. S. Bobbin & Shuttle Co. (See Stetson, Frank H., assignor.)
United Water Softeners Limited. (See Harold, Charles H. H., assignor.)
Universal Industrial Corporation. (See Feige, Adolph E., assignor.)
Ureles, Nathan. (See Caroselli, Romulus, assignor.)
Uth, Gustave G. (See Brintnall, T. M., and Uth.)
Uttendorfer, Michael. (See Ryan, M. W., and Uttendorfer.)
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Standpipe apparatus. 1,581,556; Apr. 20.
Van Arsdale, George D., Los Angeles, Calif., H. W. Aldrich and W. G. Scott, Inspiration, Ariz., assignors to Inspiration Consolidated Copper Company, New York, N. Y. Recovery of values. 1,581,479; Apr. 20.
Vandervoort, Francis M., assignor to The Positive Lock Company, Pueblo, Colo. Latch. 1,581,495; Apr. 20.
Van Deventer, Harry R., assignor to Dubilier Condenser & Radio Corporation, New York, N. Y. Radio control apparatus. 1,581,368; Apr. 20.
Van Dyke, Benjamin G., jr., Jackson, Ohio. Automatic train stop or signal. 1,581,891; Apr. 20.
Van Dyke, Gerald M., Tientsin, China. Combined music rack, holder, and turner. 1,581,892; Apr. 20.
Vapor Car Heating Company, Inc. (See Russell, E. A., and Parks, assignors.)
Vasselli, Anthony J., Newark, N. J. Automatic radio station finder. 1,581,145; Apr. 20.
Velasques, Alegandro B. (See Barbosa, Pablo A., assignor.)
Versnaeyen, Adrien, Pont de Nieppe, France. Grubbing up of such plants as flax and the like. 1,581,893; Apr. 20.
Vetterlein, Henry M., assignors of one-half to H. P. Burke, Philadelphia, Pa. Ladder. 1,582,017; Apr. 20.
Vickers Limited. (See Dawson, A. T., and Buckham, assignors.)
Vico, Jean B., Colombes, France. Dial for the transfer implements in machines for knitting welted and other fabrics. 1,581,894; Apr. 20.
Voelker, William J., Waterloo, Iowa. Adjustable furnace-pipe elbow. 1,581,146; Apr. 20.
Wagenhorst, James H., Jackson, Mich. Arc lamp. 1,581,408; Apr. 20.
Wakfer, William H., South Norwood, assignor to The Correcta Light Company Limited, London, England. Swiveling headlight. 1,581,253; Apr. 20.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,581,821; Apr. 20.
Walker, Joseph L., and G. D. Alexis, Baton Rouge, La. Safety locking device. 1,581,409; Apr. 20.
Walker, Rudolf, Vienna, Austria. Internal-combustion engine. 1,581,254; Apr. 20.
Walker Signal & Equipment Corporation. (See Walker, William L., assignor.)
Walker, William L., assignor to Walker Signal & Equipment Corporation, New York, N. Y. Apparatus for finding direction. 1,581,622; Apr. 20.
Walsh, William A., Accrington, England, assignor to H. & B. American Machine Company, Pawtucket, R. I. Mounting of pulleys employed in the tape driving of spindles in ring spinning and doubling frames. 1,581,991; Apr. 20.
Walts, Hazel H., Oakland, Calif. Hairpin. 1,581,557; Apr. 20.
Wappler Electric Company, Inc. (See Fayer, Charles, assignor.)
Warden, Charles F., West Boylston, assignor to C. A. Marsh & Co., Attleboro, Mass. Belt buckle. 1,581,822; Apr. 20.
Wardwell, Simon W., deceased, Providence, R. I.; C. V. J. Christensen, E. C. Smith, A. A. Armington, and W. W. Bardsley executors. Feed mechanism. 1,581,524; Apr. 20.
Warren, Barnett M. (See Amsel, H., and Warren.)
Washco, John, Wilkes-Barre, Pa. Shoemaker's tool. 1,581,704; Apr. 20.
Watson, Edward F., Larchmont, and A. E. Hunt, New York, N. Y., assignors to American Telephone and Telegraph Company. Electrical controlling system. 1,581,305; Apr. 20.
Watts, Elmer A., assignor to The Miller Improved Gas Engine Company, Springfield, Ohio. Piston-rod construction. 1,581,255; Apr. 20.
Warbom, Charles E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine. 1,581,705; Apr. 20.
Webber, Ezra G. See Kearns, J., and Webber.)
Weber, Frank. (See Wendelken, D., and Weber.)
Webster, Ronald Evanston, assignor to Fansteel Products Company Inc., North Chicago, Ill. Radio detector or amplification vacuum bulb. 1,581,992; Apr. 20.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Sheet-metal case construction. 1,581,256; Apr. 20.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Desk top. 1,581,257; Apr. 20.
Weinberger, Benjamin. (See Rivett, A. W., and Weinberger.)
Weir, James W., Fillmore, Calif. Refining lubricating oil stocks. 1,581,369; Apr. 20.
Weir, James W., Fillmore, Calif. Manufacturing lubricating oils. 1,581,370; Apr. 20.
Wels, John P., Nyack, N. Y. Sewing machine. 1,581,764; Apr. 20.
Wels, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Feeding mechanism for sewing machines. 1,581,496; Apr. 20.
Wels, John P., Nyack, assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Looper mechanism for sewing machines. 1,581,497; Apr. 20.
Wels, John P., Nyack, assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machine. 1,581,498; Apr. 20.
Wels, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machine. 1,581,499; Apr. 20.
Wels, John P., assignor of one-half to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Transmission mechanism for sewing machines. 1,581,500; Apr. 20.
Wels, John P., assignor of one-half to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Lubricating mechanism for sewing machines. 1,581,765; Apr. 20.
Weisgerber, Edwin C., Long Beach, Calif. Gas and oil separator. 1,581,371; Apr. 20.
Weitling, William W., trustee. (See Henry, A. M., and Horton, assignors.)
Wellman, Frank E., assignor to The Kansas City Gasoline Company, Kansas City, Kans. Apparatus for cracking hydrocarbon. 1,581,895; Apr. 20.
Wellman, Frank E., assignor to The Kansas City Gasoline Company, Kansas City, Kans. Heating oil. 1,581,896; Apr. 20.
Welsh, Charles R., Honolulu, Hawaii. Insect or vermin trap or destroyer. 1,581,410; Apr. 20.
Welte-Mignon Corporation. (See Goll, J. G., and Sowada, assignors.)
Wendelken, Diedrich. Roebling, and F. Weber, Burlington, N. J. Game apparatus. 1,581,897; Apr. 20.
Wendling, John C. (See Kolarik, R., Wendling, Bahnik, and Davies.)
Werzner, Edward H. (See Jones, L. B. and E. W., and Werzner.)
Western Electric Company. (See Bertels, Arnold S., assignor.)
Western Electric Company. (See Bungerz, Karl, assignor.)
Western Electric Company. (See Crandall, Irving B., assignor.)
Western Electric Company (See Horton, Joseph W., assignor.)
Western Electric Company. (See Schmied, James W., assignor.)
Western Electric Company. (See Schwerin, Paul, assignor.)
Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)
Westinghouse Lamp Company. (See Hageman, A. M., and Schmid, assignors.)
Westinghouse Lamp Company. (See Higgins, John J., assignor.)
Westinghouse Lamp Company. (See Powell, Arthur L., assignor.)
Westinghouse Lamp Company. (See Whitmore, J. B., and Ferguson, assignors.)
Westinghouse Union Battery Company. (See Hugo, Frank A., assignor.)
Wetherbee, Herbert E., Cleveland Heights, assignor of one-third to R. F. Grant and one-third to H. M. Hanna, Cleveland, Ohio. Producing iron coke. 1,581,898; Apr. 20.
Wheeler, John L., assignor to The Measuregraph Company, St. Louis, Mo. Presser roller. 1,581,623; Apr. 20.

Whitaker, Omar B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Automatic steering device. 1,581,147; Apr. 20.
White, Earl, and H. B. Edwards, Rossford, Ohio, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Sectional pallet. 1,581,993; Apr. 20.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Two-hole button. 1,581,706; Apr. 20.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Four-hole button. 1,581,707; Apr. 20.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Two-hole sew-on button. 1,581,708; Apr. 20.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Four-hole sew-on button. 1,581,709; Apr. 20.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Four-hole sew-on button. 1,581,710; Apr. 20.
Whiteman, Lawrence, Shinnston, W. Va. Floatless carburetor. 1,581,899; Apr. 20.
Whitlow, Samuel C., et al. (See Landrum, John W., assignor.)
Whitmore, James B., and J. E. Ferguson, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Coating incandescent lamp bulbs. 1,581,766; Apr. 20.
Whitson, David E., St. Louis, Mo. Engine-protective device. 1,581,767; Apr. 20.
Whittaker, Harold F., Carneys Point, N. J., and W. Wollaston, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of alpha-nitronaphthalene. 1,581,258; Apr. 20.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Tuning device. 1,581,900; Apr. 20.
Wiechert, George A., Howard Beach, and J. E. Judd, assignors to Casting Research, Inc., New York, N. Y. Electric heater. 1,581,259; Apr. 20.
Wiggins, Travis O., Georgetown, Tex. Cornstalk-cutting machine. 1,581,558; Apr. 20.
Wiley, George G., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Scale beam. 1,581,768; Apr. 20.
Wiley, George G., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Recording track scale. 1,581,769; Apr. 20.
Wiley, George G., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Frictional swing-sash locking fixture. 1,581,770; Apr. 20.
Wiley, George G., assignor to Streeter-Amet Weighing & Recording Company, Chicago, Ill. Automatic recording track scale. 1,581,771; Apr. 20.
Wilhjelm, Christian, Philadelphia, Pa. Safety temperature control. 1,581,260; Apr. 20.
Wilke, Karl. (See Just, R., Wilke, and Nawiasky.)
Williams, David E., assignor of one-third to Elrven E. Williams, Tranquillity, and one-third to Billy Mo, Oakland, Calif. Nut. 1,581,559; Apr. 20.
Williams, Elrven E., et al. (See Williams, David E., assignor.)
Williams, Frank E., St. Louis, Mo. Puzzle. 1,581,772; Apr. 20.
Williams, Frank E., St. Louis, Mo. Apparatus for molding. 1,581,773; Apr. 20.
Williams, Grover C., Baltimore, Md. Crank and pitman connection. 1,581,525; Apr. 20.
Williams, Thomas F., New Bethlehem, Pa. Game-scoring device. 1,581,372; Apr. 20.
Williams, William A., Minneapolis, Minn. Rotary gasoline motor. 1,581,148; Apr. 20.
Williamson, John S., and H. L. Beach, Baltimore, Md., assignor to S. L. Davis, receiver for Morgan Manufacturing Company, Inc., Keene, N. H. Control switch for vehicle signals. 1,581,149; Apr. 20.
Willsea, Louis P., Rochester, N. Y. Sheet-conditioning apparatus. 1,581,526; Apr. 20.
Wilson, Mary F. F., New Rochelle, N. Y. Seal for boxes, bottles, and the like. 1,581,901; Apr. 20.
Wilson, Montgomery, et al. (See Smith, Luther, assignor.)
Wilson, William O., Clover, S. C. Stop-motion mechanism for winding machines. 1,581,411; Apr. 20.
Wine, William E., Toledo, Ohio. Car-door-locking mechanism. 1,581,261; Apr. 20.
Winfield, Edward F., and O. Kerner, Los Angeles, Calif. Multiple-arc lamp. 1,581,560; Apr. 20.
Winograd, Roman, and S. Shakin, New York, N. Y. Toothbrush holder. 1,581,711; Apr. 20.
Wipfli, Joseph. (See Marvin, G. E., and Wipfli.)
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Wishart, Frank A., assignor of one-half to L. N. De Viney, Oakland, Calif. Greasing device. 1,581,412; Apr. 20.
Withycombe, Robert M., Sydney, New South Wales, Australia. Uniting rubber and metal. 1,581,823; Apr. 20.
Wolf Company, The. (See Longaker, Albert A., assignor.)
Wollaston, Walter. (See Whittaker, H. F., and Wollaston.)
Wood, W. H., et al. (See Childs, Robert R., assignor.)
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Traveling grate. 1,581,373; Apr. 20.
Wright, Albert E., San Francisco, Calif. Tooth cleaner. 1,581,501; Apr. 20.
Wright, Clifton C. (See Brockett, F. G., and Wright.)
Wright, Gerald S. and T. F. W., London, England. Underframes for side cars and like attachments for velocipedes, cycles, and like road vehicles. 1,581,150; Apr. 20.
Wright, James G. E., Alplaus, N. Y., assignor to General Electric Company. Polyhydric alcohol-organic acid resinous condensation products. 1,581,902; Apr. 20.
Wright, Kirk K., assignor to R. G. Wright & Co., Buffalo, N. Y. Apparatus for rinsing and sterilizing containers. 1,581,502; Apr. 20.
Wright, R. G., & Co. (See Wright, Kirk K., assignor.)
Wright, Thomas F. W. (See Wright, Gerald S. and T. F. W.)
Wright, Wilbur L., Fulton, assignor to Oswego Falls Corporation, Fulton, N. Y. Ice-cream-container-filling machine. 1,581,903; Apr. 20.
Wunderlich, Paul, Tarrytown, and L. D. Chellis, New York, N. Y. Synchronized regulator. 1,581,624; Apr. 20.
Xardell, Charles A., assignor to The Xardell Corporation, Utica, N. Y. Washing and drying machine. 1,581,904; Apr. 20.
Xardell, Charles A., and M. F. Jones, assignor to The Xardell Corporation, Utica, N. Y. Washing machine. 1,581,905; Apr. 20.
Xardell Corporation, The. (See Xardell, C. A., and Jones, assignors.)
Xardell Corporation, The. (See Xardell, Charles A., assignor.)
Yale and Towne Manufacturing Company, The. (See Jackson, Arthur C., assignor.)
Yeaton, Alton F., and L. W. Breyfogle, assignors to The Star Drilling Machine Company, Akron, Ohio. Rope socket. 1,581,561; Apr. 20.
Yelton, Edgar L., Claude, Tex. Wire-fence tool. 1,581,306; Apr. 20.
Yetter, John C., assignor to The Tribune Company, Chicago, Ill. Method of and press for multicolor printing in intaglio. 1,581,151; Apr. 20.
Yingling, John C., Dayton, Ohio. Cable drum and automatic tension control. 1,581,527; Apr. 20.
Yoakam, Raymond M., Lima, Ohio. Paint and varnish removing composition. 1,581,413; Apr. 20.
Yoder, Carl M., Cleveland, Ohio, assignor, by mesne assignments, to Bastian-Morley Co., La Porte, Ind. Operating mechanism. 1,581,712; Apr. 20.
Yoder Morris Company, The. (See Morris, Howard I., assignor.)
Young, Henry T., Darlington, S. C. Slide-shoe attachment for road graders. 1,581,414; Apr. 20.
Youngs, Chester, Grand Rapids, Mich. Oil register for internal-combustion engines. 1,581,374; Apr. 20.
Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Channeled insert for concrete ceilings. 1,581,262; Apr. 20.
Zeh, Edmund W., Newark, N. J. Tile cleaning and stacking machine and method. 1,581,774; Apr. 20.
Zeiss, Firm Carl. (See Mechau, Robert, assignor.)
Zeiss, Firm Carl. (See Steinle, Adolf, assignor.)
Zellmer, George R., Oshkosh, Wis., assignor to Morgan Woodwork Company, Wilmington, Del. Door construction. 1,581,375; Apr. 20.
Zellstofffabrik Waldhof. (See Clemm, H., and Schneider, assignors.)
Zerbe, Lewis E., Moneta, assignor to Union Tool Company, Torrance, Calif. Self-aligning crown-shaft bearing. 1,581,376; Apr. 20.
Zerbe, Lewis E., Moneta, assignor to Union Tool Company, Torrance, Calif. Casing elevator. 1,581,775; Apr. 20.
Ziegler, Alfred M., Newton, Mass. Garter. 1,581,503; Apr. 20.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive article. F. G. Okie. 1,581,657; Apr. 20.
Acid. Producing commercial hydrochloric. H. A. Galt. 1,581,436; Apr. 20.
Acid sulphates from nitriles, Production of amide. R. B. Trusler. 1,581,621; Apr. 20.
Adjustable clamp. T. C. O'Loughlin. 1,581,138; Apr. 20.
Advertising device. Illuminated. J. W. Guinn and L. H. Steele. 1,582,006; Apr. 20.
Aeroplane control means. H. A. Duncan. 1,581,183; Apr. 20.
Aircraft battery. J. L. Haight, jr. 1,581,203; Apr. 20.
Aircraft, Landing apparatus of. M. Adamczik. 1,581,415; Apr. 20.
Air-inlet device, Auxiliary. E. A. McKeever. 1,581,461; Apr. 20.
Airplane, Quickly-detachable connection for the power plant or power-plant unit of an. R. Kauch and C. L. Paulus. 1,581,539; Apr. 20.
Airplane sound amplifier. G. W. McCauley and R. W. Mackie. 1,581,586; Apr. 20.
Airship. C. P. Ellithorpe. 1,581,336; Apr 20.
Alarm: *See*—
Fire alarm.
Alley-pin-cleaner holder. J. Hagerty. 1,581,733; signor.)
Alpha-nitro-naphthalene, Purification of. H. E. Whittaker and W. Wollaston. 1,581,258; Apr. 20.
Alternator field. S. R. Bergman. 1,581,828; Apr. 20.
Ammonia distillation. J. S. Unger. 1,581,367; Apr. 20.
Angler, Acto-passive plane. H. A. Bonoff. 1,581,913; Apr. 20.
Animal poke. J. C. Fitzgerald. 1,581,727; Apr. 20.
Animal-scratching device. E. Pflaum. 1,581,544; Apr. 20.
Antifreezing solution. E. H. Crofoot. 1,581,179; Apr. 20.
Antiskid device. P. A. del Valle. 1,581,722; Apr. 20.
Arsenate of lead. H. B. Goodwin. Re16,331; Apr. 20.
Arsenical albumen compound and making the same. O. Dally. 1,581,826; Apr. 20.
Arsenide from ores, Extracting. J. F. Sanders. 1,581,475; Apr. 20.
Asbestos paper, etc. N. Sulzberger. 1,581,619; Apr. 20.
Attrition mill. A. A. Longaker. 1,581,969; Apr. 20.
Auger head. J. Underation. 1,581,303; Apr. 20.
Automobile bumper. A. M. Muller. 1,581,282; Apr. 20.
Automobile bumper and attaching means. C. E. Kraus. Re16,332; Apr. 20.
Automombile end fender. R. B. Fageol. 1,581,432; Apr. 20.
Automobile head lamp. M. A. Flautt. 1,581,997; Apr. 20.
Automobile signal. W. A. Eckert. 1,581,335; Apr. 20.
Automobile signal. J. A. Petnel. 1,581,226; Apr. 20.
Automobile signal-lamp casing. E. Barker. Des. 69,932; Apr. 20.
Automobile starting-switch buttons, Protector for. E. M. Greenlee. 1,581,924; Apr. 20.
Automobile tops, Molding for. J. D. Bolender and E. R. Creamer. 1,581,670; Apr. 20.
Automobiles and the like, Supplemental seat for. C. W. Pettigrew. 1,581,596; Apr. 20.
Automobiles, Combination key, petcock cleaner, and oil container for. F. D. Goetter. 1,581,633; Apr. 20.
Automobiles, Gasoline reserve and control device for. O. A. King. 1,581,961; Apr. 20.
Automobiles, Hot-air heaters for. W. W. Muir. 1,581,761; Apr. 20.
Automobiles, Side-window attachment for. C. S. Robertson. 1,581,474; Apr. 20.
Back facing, Method and apparatus for. F. J. Peters. 1,581,542; Apr. 20.
Badge or the like. W. J. Ellwood. Des. 69,939; Apr. 20.
Bag: *See*—
Hand bag. **Rug bag.**
Ball: *See*—
Tea ball.
Bank tellers, Protective device for. T. M. Brintnall and G. G. Uth. 1,581,425; Apr. 20.
Basket handle and cover clamp. M. Tucker. 1,581,990; Apr. 20.
Basket handle and cover fastener, Combined. F. B. Townsend. 1,581,407; Apr. 20.
Battery: *See*—
Aircraft battery. Electric battery.
Battery. P. A. Barbosa. 1,581,419; Apr. 20.
Battery cell. M. L. Martus and E. H. Becker. 1,581,851; Apr. 20.
Battery-control system. A. S. Bertels. 1,581,160; Apr. 20.
Bearing, Self-aligning crown-shaft. L. E. Zerbe. 1,581,376; Apr. 20.
Bed and chair, Convertible. J. H. Duncan. 1,581,994; Apr. 20.
Bedstead corner. E. L. Rosenburgh. 1,581,291; Apr. 20.
Beer wort and for depositing the sludge, Apparatus for cooling and aerating. A. Gille and L. Nathan. 1,581,194; Apr. 20.
Belt buckle. C. F. Warden. 1,581,822; Apr. 20.
Bicycle mudguards, Brace for. R. F. Beck, jr. 1,581,827; Apr. 20.
Blasting cap, Electric. H. L. Grant. 1,581,799; Apr. 20.
Block: *See*—
Paving block. Shuttle block.
Board: *See*—
Educational and game board.
Boat. E. A. Skidmore. 1,581,880; Apr. 20.
Boat hull, Speed-. C. R. Smith. 1,581,881; Apr. 20.
Body and shoulder brace. E. T. Davison. 1,581,791; Apr. 20.
Boiler attachment, Clothes-. G. F. Finzer. 1,581,996; Apr. 20.
Boilers, Soot remover for water-tube. B. L. Ames. 1,581,504; Apr. 20.
Boilers, Water purifier for steam. W. J. Hughes. 1,581,122; Apr. 20.
Bolt lock. W. Long. 1,581,216; Apr. 20.
Bond, Electrical. G. W. Comrad. 1,581,514; Apr. 20.
Book support. G. A. Johnson. 1,581,742; Apr. 20.
Bottle. L. de Roquefeuil. Des. 69,937; Apr. 20.
Bottle and holder, Combined perfume. B. Stevens-Arvoy, née Reneaux. Des. 69,976; Apr. 20.
Bottle or similar article. G. Miller. Des. 69,957; Apr. 20.
Bowling alley, Collapsible. O. W. Blanchard. 1,581,423; Apr. 20.
Box: *See*—
Collapsible box. Letter box.
Ice box. Manicure box.
Box or similar container. J. J. Schotten. Des. 69,970; Apr. 20.
Box-strapping table. H. De Haven. 1,581,396; Apr. 20.
Boxes, bottles, and the like, Seal for. M. F. F. Wilson. 1,581,901; Apr. 20.
Brace: *See*—
Body and shoulder brace.
Bracket: *See*—
Shade and curtain bracket.
Braiding machine. A. Petersen. 1,581,543; Apr. 20.
Brake bands in place, Device for locking. L. J. Cole. 1,581,388; Apr. 20.
Brake control. G. J. Thomas. 1,581,302; Apr. 20.
Brake-gear mounting. L. J. Brown. 1,581,097; Apr. 20.
Brassière. N. M. Landon. 1,581,747; Apr. 20.
Bread, Treating bran and flour middlings for use in whole-grain. W. P. M. Greick. 1,581,112; Apr. 20.
Brooder, Chick. H. M. Morison. 1,581,857; Apr. 20.
Brush. G. K. W. Schmidt. 1,581,549; Apr. 20.
Buildings and making the same, Acoustic finish for interiors of. J. H. Delaney. 1,581,795; Apr. 20.
Buildings, etc., Frame construction for. G. A. E. Kohler. 1,581,487; Apr. 20.
Bumper. C. F. L. and W. L. Kauffmann. 1,581,349; Apr. 20.
Bumper, Semiresilient. R. B. Fageol. 1,581,433; Apr. 20.
Burner: *See*—
Hydrocarbon burner. Oil burner.
Bushing remover. E. L. Dahlquist. 1,581,483; Apr. 20.
Button. Y. Shiba. 1,581,299; Apr. 20.
Button and like fastening for use with flexible materials, Press. S. C. and H. I. Harrison. 1,581,206; Apr. 20.
Button, Four-hole. F. R. White. 1,581,707; Apr. 20.
Button, Four-hole sew-on. F. R. White. 1,581,709–10; Apr. 20.
Button, Two-hole. F. R. White. 1,581,706; Apr. 20.
Button, Two-hole sew-on. F. R. White. 1,581,708; Apr. 20.
Buttonhole gauge. H. D. Simmons. 1,581,232; Apr. 20.
Burning weeds, etc., Apparatus for. H. S. Stebbins. 1,581,406; Apr. 20.
Cabinet. H. C. Hanson. 1,581,925; Apr. 20.
Cabinet. G. P. Hutchins. 1,581,267; Apr. 20.
Cabinet, Kitchen. M. De Garmo. 1,581,840; Apr. 20.

Cabinet, Picnic. J. P. Hart. 1,581,343; Apr. 20.
Cable connecter. O. H. Henderson. 1,581,575; Apr. 20.
Cable drum and automatic tension control. J. C. Yingling. 1,581,527; Apr. 20.
Cables, Device for coiling. C. M. Herbert. 1,581,314; Apr. 20.
Call device, Emergency-. W. H. Phelps. 1,581,981; Apr. 20.
Camera, Reflex. R. G. Mathews. 1,581,853; Apr. 20.
Camping outfit. C. E. Musgrave. 1,581,858; Apr. 20.
Can cover, Ventilated. J. Heusser. 1,581,210; Apr. 20.
Can-feed mechanism, Differential-speed. H. L. Guenther. 1,581,201; Apr. 20.
Can-feed mechanism, Variable-speed. H. L. Guenther. 1,581,200; Apr. 20.
Can-heading machine. C. J. Aulbach. 1,581,625; Apr. 20.
Can opener. T. A. Killman. 1,581,958; Apr. 20.
Car and tractor, Convertible. H. F. Flowers. 1,581,435; Apr. 20.
Car, Articulated. A. K. Pehrson. 1,581,688; Apr. 20.
Cars, Braking device for front wheels of motor. V. Izquierdo. 1,581,449; Apr. 20.
Car-coupler release rigging. S. H. Conwell. 1,581,175; Apr. 20.
Car coupling. A. A. Mosa. 1,581,466; Apr. 20.
Car-door lock. O. D. Parker. 1,581,864; Apr. 20.
Car-door-locking mechanism. W. E. Wine. 1,581,261; Apr. 20.
Car drive, Motor-. J. S. Smalley. 1,581,988; Apr. 20.
Car heating, Control system for. F. Sunday. 1,581,364; Apr. 20.
Car-stopping device. H. H. Shepard. 1,581,987; Apr. 20.
Cars, Change-speed gear for motor. T. S. James. 1,581,954; Apr. 20.
Carbon-sheet holder. A. S. Gilman. 1,581,195; Apr. 20.
Carburetor. C. G. Browne. 1,581,837; Apr. 20.
Carburetor, Floatless. L. Whiteman. 1,581,899; Apr. 20.
Card mount. H. J. Born. 1,581,912; Apr. 20.
Card, Sales and display. J. Strand. 1,581,886; Apr. 20.
Carrier: *See*—
Door carrier.
Carrier tube. P. A. Udall. 1,581,252; Apr. 20.
Carrier waves, Modulating. J. W. Schmied. 1,581,296; Apr. 20.
Carrousel. C. E. Morris. 1,582,015; Apr. 20.
Carry-over mechanism. I. Engstrom. 1,581,337; Apr. 20.
Case: *See*—
Display case. Refrigerator show case.
Flagman's case.
Cash-registering machines, Printing device for. D. L. Seminerio. 1,581,217; Apr. 20.
Casing elevator. L. E. Zerbe. 1,581,775; Apr. 20.
Casserole. T. B. Anderson. Des. 69,931; Apr. 20.
Casting and producing the same. J. C. Davis. 1,581,790; Apr. 20.
Casting machine, Metal-. H. Burchartz. 1,581,169; Apr. 20.
Casting method and apparatus, Rotary. A. M. Henry and C. Horton. 1,581,635; Apr. 20.
Catapult. W. L. Barth. 1,581,626; Apr. 20.
Ceiling fixture. M. Schlepp. Des. 69,971; Apr. 20.
Cement, magnesite, lime, etc., Device for burning. Harry Stehmann. 1,581,522; Apr. 20.
Chain fastener and lock. J. A. Lund. 1,581,748; Apr. 20.
Chain, Ornamental. J. Anthony. 1,581,152; Apr. 20.
Chain tightener and fastener. J. L. Irwin. 1,581,952; Apr. 20.
Chains, Locking hook for antiskid. N. O. Salvog. 1,581,875; Apr. 20.
Chicken recorder. F. S. Hayden. 1,581,207; Apr. 20.
Chopper: *See*—
Cotton chopper.
Chromium and of preparing baths therefor, Electrodepositing. C. G. Fink. 1,581,188; Apr. 20.
Chromium, Making metallic. W. E. S. Strong, C. E. Parsons, and S. Peacock. 1,581,698; Apr. 20.
Chuck, Valve-grinding. H. A. Hanson. 1,581,010; Apr. 20.
Cigar holder and ash receptacle, Combined. W. C. Hiering. Des. 69,944; Apr. 20.
Cigar lighter. S. E. Guinn. Des. 69,943; Apr. 20.
Cigarette, Fire-safe. J. F. Knapp. 1,581,451; Apr. 20.
Cigarettes and other articles, Case for. A. F. Rowe. 1,581,547; Apr. 20.
Cinematographic picture with stereoscopic and color values. C. Bouin. 1,581,834; Apr. 20.
Circuit changer. S. S. Stolp. 1,581,603; Apr. 20.
Circuit interrupter. A. Beschnitt. 1,581,830; Apr. 20.
Clamp: *See*—
Radius-rod clamp.
Class ring. A. H. Andersen. Des. 69,930; Apr. 20.
Classifier. A. H. Stebbins. 1,581,241–2; Apr. 20.
Cleaner: *See*—
Dish cleaner. Tooth cleaner.
Picture-film cleaner.
Cleaner and paint remover. A. N. Beebe. 1,581,421; Apr. 20.
Cleaning rice and the like, Machine for. T. Suzuki. 1,581,245; Apr. 20.
Clip: *See*—
Paper clip.
Closet pan, Sanitary. P. Speck. 1,581,601; Apr. 20.
Clothesline appliance. F. F. Priboda. 1,581,289; Apr. 20.
Clothesline covering. H. Tiede. 1,581,889; Apr. 20.
Clothespin. J. Underation. 1,581,304; Apr. 20.
Clutch. G. C. Martin. 1,581,652; Apr. 20.
Coasters, Sled runner for. E. B. Beeler. 1,581,420; Apr. 20.
Coke from vertical retorts, Method and apparatus for the extraction of. A. M. Duckham. 1,581,724; Apr. 20.
Coke, Producing iron. H. E. Wetherbee. 1,581,898; Apr. 20.
Coil control, Inductance-. G. A. Turner. 1,581,366; Apr. 20.
Coil mounting, Tuning-. E. J. Boucher. 1,581,162; Apr. 20.
Collapsible box. H. Hellweg. 1,581,800; Apr. 20.
Color, Method of and apparatus for applying. F. P. Reed. 1,581,322; Apr. 20.
Color-transfer machine. M. Handschiegl. 1,581,342; Apr. 20.
Commutator motor with switching arrangement for the rotor windings. C. Lott. 1,581,846; Apr. 20.
Composite element and making the same. E. G. Dann. 1,581,394; Apr. 20.
Composition, Cleaning. C. T. Henshall and L. I. Coggins. 1,581,801; Apr. 20.
Composition of matter. L. Ingrassia. 1,581,577; Apr. 20.
Compression coupling. C. A. Hill. 1,581,536; Apr. 20.
Compressor unit. H. E. Smith. 1,582,016; Apr. 20.
Concave, Adjustable. C. Brown. 1,581,835; Apr. 20.
Concrete-block making. G. Fey. 1,581,797; Apr. 20.
Concrete ceilings, Channeled insert for. W. F. Zabriskie. 1,581,262; Apr. 20.
Concrete, Device for spreading asphaltic. M. M. Butler. 1,581,784; Apr. 20.
Concrete mixer. O. G. Mandt. 1,581,587; Apr. 20.
Concrete mixer. A. W. Rybeck. 1,581,492; Apr. 20.
Concrete-pipe machine, Hydraulic. G. C. Martin and C. M. Cronkhite. 1,581,653; Apr. 20.
Concrete products, Machine for making. E. J. Schuh. 1,581,814; Apr. 20.
Condenser. H. E. Byer. 1,581,098; Apr. 20.
Condenser drum. J. C. Rogers. 1,581,324; Apr. 20.
Conduit coupling. O. A. Frederickson. 1,581,571; Apr. 20.
Containers, Apparatus for rinsing and sterilizing. K. K. Wright. 1,581,502; Apr. 20.
Containers, Hermetically sealing. M. Muelier. 1,581,401; Apr. 20.
Containers, Making closures for. C. Gueritey. 1,581,680; Apr. 20.
Containers, Protector for. J. Stewart. 1,581,885; Apr. 20.
Control gate. L. L. Edmunds and J. C. Andersen. 1,581,430; Apr. 20.
Control, Steering. F. W. Lambert. 1,581,930; Apr. 20.
Control system, Piezo-electric crystal. A. H. Taylor. 1,581,701; Apr. 20.
Control system, Push-button-. E. Clemence. 1,581,387; Apr. 20.
Converter systems, Direct-current voltage control of. H. M. Hobart. 1,581,948; Apr. 20.
Conveyer rack, Movable. E. A. Kuen. 1,581,352; Apr. 20.
Cooker and cooler, Combined. N. H. Fooks. 1,581,532; Apr. 20.
Copper to steel, Uniting. R. R. Applegate and J. B. Austin. 1,581,417; Apr. 20.
Corset. J. J. Kispert. 1,581,962; Apr. 20.
Cotton chopper. C. H. Smith. 1,581,404; Apr. 20.
Cotton separator. J. A. Streun. 1,581,363; Apr. 20.
Coupling: *See*—
Car coupling. Conduit coupling.
Compression coupling.
Coupon ticket. H. C. Fox. 1,581,339; Apr. 20.
Cover retainer. W. K. Sheffield and A. J. Horton. 1,581,818; Apr. 20.
Crank and pitman connection. G. C. Williams. 1,581,525; Apr. 20.
Crates, Metallic grating for bottle. W. C. Krause. 1,581,642; Apr. 20.
Creeper. F. R. Neal. 1,581,592; Apr. 20.
Crusher: *See*—
Single-roll crusher.
Cultivators, Plant guard for. W. B. Pratt and C. H. Lamb. 1,581,227; Apr. 20.
Cup: *See*—
Drinking cup.
Cupboard or similar article. R. C. Erskine. Des. 69,938; Apr. 20.
Current secondary networks, Alternating-. D. K. Blake. 1,581,831; Apr. 20.
Curtain-rod and window-shade roller bracket. C. W. Kirsch. 1,581,805; Apr. 20.
Curtain rods, Master drapery carrier for. C. W. Kirsch. 1,581,806; Apr. 20.
Curtain stretcher. J. C. Sangers. 1,581,662; Apr. 20.
Cornstalk-cutting machine. T. O. Wiggins. 1,581,558; Apr. 20.
Cuticle remover. R. Kirkman. 1,581,317; Apr. 20.
Cutlery, Handle for. A. and A. Lafave. 1,581,929; Apr. 20.
Cutter: *See*—
Food cutter. Power cutter.
Cutters, Attachment for bean. J. C. Towler. 1,581,555; Apr. 20.

Dental floss, Instrument for the use of. J. Gesell. 1,582,000; Apr. 20.
Desk and chair, Combination. M. W. Kynch. 1,581,579; Apr. 20.
Desk top. P. M. Wege. 1,581,257; Apr. 20.
Diaphragms, Mounting. W. Hahnemann and W. Rudolph. 1,581,202; Apr. 20.
Dish cleaner. S. F. Bunker. 1,581,943; Apr. 20.
Dister and measurer, Ice-cream. J. Schloemer. 1,581,493; Apr. 20.
Disks, Method and apparatus for forming radially-corrugated. R. S. Lewis. 1,581,488; Apr. 20.
Dispenser, Soap. F. Brown. 1,581,836; Apr. 20.
Dispensing device. F. McLaughlin. 1,581,277; Apr. 20.
Display apparatus. W. F. Bleecker and E. A. Clark. 1,581,562; Apr. 20.
Display cabinet, Refrigerated bottle. W. Mahony. 1,581,749; Apr. 20.
Display carton and method of displaying articles therein. A. J. Kortist. 1,581,271; Apr. 20.
Display case. G. F. Bushman. 1,581,171; Apr. 20.
Display case for use as store furniture. R. A. Brooks. Des. 69,933; Apr. 20.
Display device. G. P. Herrick. 1,581,118; Apr. 20.
Display device. L. H. Shover. Des. 69,974; Apr. 20.
Display stand for hose clamps. A. E. Feige. 1,581,108; Apr. 20.
Doll. K. M. Buchtrup. 1,581,382; Apr. 20.
Door carrier. O. F. Shattuck. 1,581,816; Apr. 20.
Door construction. G. R. Zellner. 1,581,375; Apr. 20.
Doorlock. L. Brown. 1,581,673; Apr. 20.
Door-operating mechanism. P. H. Blockman. 1,581,832; Apr. 20.
Door, Service. O. A. Altschul. 1,581,776; Apr. 20.
Doors, Mechanism for opening and closing. H. H. Schaeffer. 1,581,295; Apr. 20.
Doors, Sliding hanger for folding. E. H. May. 1,581,854; Apr. 20.
Dough and like plastic material, Machine for molding. G. Royan. 1,581,141; Apr. 20.
Drapery tie backs, Adjustable ornament for. M. Bernhard. 1,581,909; Apr. 20.
Driers, Cooling fan-shaft bearings of. H. Bogaty. 1,581,911; Apr. 20.
Drill: *See*—
Electric drill. Rock drill.
Drill and valve grinder, Portable. W. A. Claassen. 1,581,838; Apr. 20.
Drills for sharpening, Device for holding. J. W. Kendall. 1,582,014; Apr. 20.
Drinking cup. W. S. Baker. 1,581,418; Apr. 20.
Drying apparatus, Rotary. C. Miller. 1,581,359; Apr. 20.
Drying rack, Clothes-. W. C. Moors. 1,581,463; Apr. 20.
Duplicating machine. D. Gestetner. 1,581,730; Apr. 20.
Dust collector. G. P. McSweeney. 1,581,462; Apr. 20.
Dust-extractor unit. A. H. Stebbins. 1,581,239; Apr. 20.
Dye and process of making, Anthracene. R. J. Goodrich. 1,581,111; Apr. 20.
Dyeing and finishing operations, Composition to assist in. S. M. Hermann. 1,581,946; Apr. 20.
Dyestuff composition, Black vat. R. Just, K. Wilke, and P. Nawiasky. 1,581,638; Apr. 20.
Dyestuffs for wool containing cromium and manufacture of the same, Acid azo. H. Fritzsche, H. Gubler, and F. Straub. 1,581,572; Apr. 20.
Dynamometer, Transmission. F. W. Caldwell. 1,581,530; Apr. 20.
Educational and game board, Combined. H. G. Cress. 1,581,178; Apr. 20.
Educational appliance. J. H. Frome. 1,581,923; Apr. 20.
Educational device. C. A. Cook. 1,581,390; Apr. 20.
Egg-case filler. W. D. Coil. 1,581,174; Apr. 20.
Egg opener. A. Crisci. 1,581,789; Apr. 20.
Egg scale. J. J. O'Leary. 1,581,468; Apr. 20.
Electric battery. F. A. Hugo. 1,582,012; Apr. 20.
Electric contact breaker. A. J. H. Elverson. 1,581,186; Apr. 20.
Electric-current interrupter. R. Mechau. 1,581,754; Apr. 20.
Electric device, Pneumato-. J. G. Goll. 1,582,002; Apr. 20.
Electric drill. G. L. Kollock. 1,581,927; Apr. 20.
Electric furnace. R. L. Rockwell. 1,581,872; Apr. 20.
Electric heater. G. A. Wiechert, H. Beach, and J. E. Judd. 1,581,259; Apr. 20.
Electric relay. B. E. Getchell. 1,581,192; Apr. 20.
Electric machine, Dynamo-. H. W. Samson. 1,581,876; Apr. 20.
Electrical controlling system. E. F. Watson and A. E. Hunt. 1,581,305; Apr. 20.
Electrical dehydrator for oil emulsions, Preventing the persistence of chain formations in an. F. W. Harris. 1,581,265; Apr. 20.
Electrical machinery, Motor-dynamo. A. M. Harrelson. 1,582,019; Apr. 20.
Electrical sockets, Method and construction of fusing. J. G. Nolen. 1,581,284; Apr. 20.
Electric switch. G. W. Cassidy. 1,581,785; Apr. 20.
Electrical switch mechanism. A. J. Heitz. 1,581,209; Apr. 20.
Electrical system. S. S. Stolp. 1,581,604; Apr. 20.
Electrically-operated switch. S. S. Stolp. 1,581,606; Apr. 20.
Elevator: *See*—
Casing elevator.
Elevator. C. Knisley. 1,581,270; Apr. 20.
Elevator gate, Automatic. W. H. Shafer. 1,581,477; Apr. 20.
Elevator safety appliance. D. L. Lindquist. 1,581,458–9; Apr. 20.
Elevator-signaling system. E. P. Butusov. 1,581,383; Apr. 20.
Emulsion and making same. L. Kirschbraun. Re16,328; Apr. 20.
Engine: *See*—
Internal-combustion engine.
Engine head. O. E. Barthel. 1,581,481; Apr. 20.
Engine-protective device. D. E. Whitson. 1,581,767; Apr. 20.
Engines, Jacketing internal-combustion. W. Mauss. 1,581,280; Apr. 20.
Engines, Oil register for internal-combustion. C. Youngs. 1,581,374; Apr. 20.
Engines, Starting mechanism for internal-combustion. R. H. Chilton. 1,581,786; Apr. 20.
Engines, Timer for internal-combustion. C. O. Bruno. 1,581,917; Apr. 20.
Engraved plates, making. P. Sturges. 1,581,617; Apr. 20.
Envelope machine. T. Kienast. 1,581,316; Apr. 20.
Ethyl alcohol to acetaldehyde, Oxidation of. E. Krause. 1,581,641; Apr. 20.
Evaporators and vacuum pans, Catchall for multiple-effect. P. Mir. 1,581,220; Apr. 20.
Excavating machinery. J. O. Lium. 1,581,318; Apr. 20.
Excavator. H. McDermott. 1,581,278; Apr. 20.
Exercising device, Finger-. H. A. Sorel. 1,581,235; Apr. 20.
Exhibitor, Automatic. E. C. Jones. 1,581,127; Apr. 20.
Extruding machine. E. H. Johnson. 1,581,486; Apr. 20.
Eyeglass construction. S. J. Clulee. 1,581,100; Apr. 20.
Eyeglass guard. W. H. Boutelle. 1,581,163; Apr. 20.
Fastening device. D. Marinsky. 1,581,751; Apr. 20.
Fastening-inserting machine. G. Goddu. 1,581,110; Apr. 20.
Feed mechanism. S. W. Wardwell. 1,581,524; Apr. 20.
Fencepost mold. W. C. Martins. 1,581,850; Apr. 20.
Filing device. C. S. Buchanan. 1,581,529; Apr. 20.
Filler cap and liquid-depth gauge. R. Bowen. 1,581,717; Apr. 20.
Filler caps, Lock for. H. R. Murchison. 1,581,762; Apr. 20.
Filter, Gasoline. K. Hobbs. 1,581,947; Apr. 20.
Finding direction, Apparatus for. W. L. Walker. 1,581,622; Apr. 20.
Finish and obtaining the same, Decorative. W. M. Schmitt. 1,581,813; Apr. 20.
Fire alarm. J. E. Goodwin. 1,581,437; Apr. 20.
Fire escape. M. Rosgnard. 1,581,660; Apr. 20.
Fire escape, Vehicular. C. Mayer. 1,581,358; Apr. 20.
Fire extinguisher. C. L. Paulus and R. Kauch. 1,581,540; Apr. 20.
Firearms, Firing-trigger mechanism for. C. Newton. 1,581,763; Apr. 20.
Fireplace damper. M. J. Skubé. 1,581,403; Apr. 20.
Fish bait. H. I. Ruddell. 1,581,548; Apr. 20.
Fishing, Artificial bait for. C. E. Bonnett. 1,581,833; Apr. 20.
Fishing reel. S. G. Russell and E. T. Clickner. 1,581,661; Apr. 20.
Fishing tool, Oil-well. J. A. Kinch. 1,581,959; Apr. 20.
Flagman's case. G. B. Sharp. 1,581,551; Apr. 20.
Flax and the like, Grubbing up of such plants as. A. Versnaeyen. 1,581,893; Apr. 20.
Float trap. E. A. Russell and P. B. Parks. 1,581,294; Apr. 20.
Floors, Apparatus for scrubbing, mopping, and polishing. H. Amsel and R. M. Warren. 1,581,824; Apr. 20.
Floors, Machine for polishing. L. R. Pape. 1,581,687; Apr. 20.
Flow meter. J. D. Keller. 1,581,957; Apr. 20.
Fluid-pressure regulator. J. S. Larson. 1,581,454; Apr. 20.
Flush-tank apparatus. E. Beach. 1,581,158; Apr. 20.
Flux. W. Hoxie. 1,581,446; Apr. 20.
Flying machine, Twin-motor. C. Dornier. 1,581,564; Apr. 20.
Flying machines, Wing of. C. Dornier. 1,581,565; Apr. 20.
Food cutter. L. W. Fetschan. 1,581,310; Apr. 20.
Food products, Apparatus for and process of treating. H. M. Robertson. 1,581,519; Apr. 20.
Foot treadle, Universal. J. J. Higgins. 1,581,738; Apr. 20.
Frame: *See*—
Shovel frame.
Fuel, Apparatus for atomizing liquid. F. Egersdörfer. 1,581,725; Apr. 20.
Fuel, Gaseous. J. Harris. 1,581,441; Apr. 20.
Fuel, Method of and apparatus for burning pulverized. H. Kreisinger, J. Anderson, and J. E. Bell. 1,581,351; Apr. 20.
Furnace: *See*—
Electric furnace. Tank furnace.
Furnace. H. V. Leahy. 1,581,353; Apr. 20.
Furnace lining. H. N. Freeman. 1,581,263; Apr. 20.

Furnace-pipe elbow, Adjustable. W. J. Voelker. 1,581,146; Apr. 20.
Furnace-wall construction. F. I. Sheahan. 1,581,817; Apr. 20.
Furnaces and the like, Oil burner for heating. H. Miller. 1,581,135; Apr. 20.
Furniture, Cabinet. E. W. Cummings. 1,581,428; Apr. 20.
Fuse plug. O. H. Jung. 1,581,637; Apr. 20.
Game. W. R. Fuchs. 1,581,189; Apr. 20.
Game. P. Ganzhorn. Re16,329; Apr. 20.
Game. C. M. New. 1,581,859; Apr. 20.
Game apparatus. D. Wendelken and F. Weber. 1,581,897; Apr. 20.
Game, Indoor. F. J. Tillman. 1,581,144; Apr. 20.
Game-scoring device. T. F. Williams. 1,581,372; Apr. 20.
Garment marker. H. R. Kimbler. 1,581,350; Apr. 20.
Garter. A. M. Ziegler. 1,581,503; Apr. 20.
Garter, Washable. E. C. Bloemeyer. 1,581,424; Apr. 20.
Gas and oil separator. E. C. Welsgerber. 1,581,371; Apr. 20.
Gas generator, Acetylene-. H. H. Hand and J. L. Riddle. 1,582,009; Apr. 20.
Gas producer with a revolving grate. W. Bennhold. 1,581,159; Apr. 20.
Gases by electrolysis, Production of compressed. P. Mansmeister. 1,581,944; Apr. 20.
Gasoline motor, Rotary. W. A. Williams. 1,581,148; Apr. 20.
Gasoline, Recovering. F. E. Hosmer. 1,581,212; Apr. 20.
Gate: *See*—
Control gate. Elevator gate.
Gauge: *See*—
Buttonhole gauge.
Gear, Draft. W. H. Cotton. 1,581,631; Apr. 20.
Gear, Herringbone. E. C. Head. 1,581,737; Apr. 20.
Gear-shift levers and the like, Lock for. H. Page. 1,581,285; Apr. 20.
Gearing, Transmission. C. E. Starr. 1,581,695; Apr. 20.
Generator: *See*—
Gas generator. Steam generator.
Germicidal composition. F. Anderson. 1,581,825; Apr. 20.
Gig, Fish. F. E. Raithel. 1,581,321; Apr. 20.
Glass, Delivering charges of molten. R. La France. 1,581,963; Apr. 20.
Glass feeder. E. T. Ferngren. 1,581,922; Apr. 20.
Glasses, Machine for cutting noncircular. A. Steinle. 1,581,883; Apr. 20.
Glassware, Machine for finishing. N. T. E. Skinner and A. J. Sanford. 1,581,552; Apr. 20.
Glassware, Table. R. I. Ratner. 1,581,691; Apr. 20.
Gloves, Fur lining for. M. Horwitz. 1,581,740; Apr. 20.
Golfer's indoor practice tee. E. L. Penfrase. 1,581,402; Apr. 20.
Graders, Slide-shoe attachment for road. H. T. Young. 1,581,414; Apr. 20.
Grading machine. W. P. Thomas. 1,581,247; Apr. 20.
Grain growth, Treating metals to inhibit excessive. G. L. Kelley. 1,581,269; Apr. 20.
Grate, Chain. R. Brenot. 1,581,629; Apr. 20.
Grate, Traveling. W. R. Wood. 1,581,373; Apr. 20.
Grating support. W. H. Mitchell. 1,587,281; Apr. 20.
Greasing device. F. A. Wishart. 1,581,412; Apr. 20.
Guard finger. O. Kelley. 1,581,214; Apr. 20.
Gun, Grease. J. Ettemn. 1,581,995; Apr. 20.
Gun-training devices, Correcting errors in. P. Kaminski. 1,581,268; Apr. 20.
Hair in position, Maintaining. P. S. Quast. 1,581,140; Apr. 20.
Hairpin. H. H. Waltz. 1,581,557; Apr. 20.
Hammer handle. W. D. Layton. 1,581,647; Apr. 20.
Hand bag. R. Fishbein. Des. 69,940; Apr. 20.
Hand bag. M. Sachs. 1,581,985; Apr. 20.
Handle: *See*—
Hammer handle.
Harrow, Wheeled riding. W. E. Brown. 1,581,167; Apr. 20.
Hat. F. Schroyer. 1,581,230; Apr. 20.
Hat protector. J. E. Hoover. 1,581,445; Apr. 20.
Hat stretcher. G. Margolin. 1,581,940; Apr. 20.
Headlight. L. B. Jones, E. W. Jones, and E. H. Werzner. 1,581,926; Apr. 20.
Headlight. J. M. B. Lewis. 1,581,581; Apr. 20.
Headlight, Swiveling. W. H. Wakfer. 1,581,253; Apr. 20.
Headwear. G. Mantilla. 1,581,750; Apr. 20.
Heat exchanger. D. H. Chester. 1,581,384; Apr. 20.
Heat exchanger. J. McGregor and F. C. Seehusen. 1,581,651; Apr. 20.
Heat-resisting article. J. C. Henderson. 1,581,443; Apr. 20.
Heater: *See*—
Electric heater. Water heater.
Steering-wheel heater.
Heater. C. Giammatteo. 1,582,001; Apr. 20.
Heater pad. H. P. Donle. 1,581,429; Apr. 20.
Heel, Cushion rubber. L. Colella. 1,581,389; Apr. 20.
Heel-making machine. H. N. Coon. 1,581,101; Apr. 20.
Heel-trimming machine. W. J. Shaw. 1,581,330; Apr. 20.
Hoisting and weighing apparatus, Sugar-cane. G. A. Romero. 1,581,873; Apr. 20.
Hoisting skip. C. E. McCartney. 1,581,650; Apr. 20.
Holder. J. H. King. 1,581,960; Apr. 20.
Hoop guide. J. Eklund. 1,581,796; Apr. 20.
Humidifier attachment for hot-air registers. C. H. Stoeber. 1,581,243; Apr. 20.
Hydrant. P. C. Clark. 1,581,721; Apr. 20.
Hydrocarbon, Apparatus for cracking. F. E. Wellman. 1,581,895; Apr. 20.
Hydrocarbon burner. H. W. Parker. 1,581,286; Apr. 20.
Ice box, Iced-cold. W. E. Bohn. 1,581,669; Apr. 20.
Ice-cream-container-filling machine. W. L. Wright. 1,581,903; Apr. 20.
Ignition systems, Distributor for. J. H. George. 1,581,190; Apr. 20.
Ignition tester. W. V. Moore. 1,581,976; Apr. 20.
Illustrations, System for transmitting graphic. L. J. Leishman. 1,581,937; Apr. 20.
Illustrating device. L. E. Hassler. 1,581,736; Apr. 20.
Indicator: *See*—
Radiator indicator. Temperature indicator.
Station indicator.
Ingot molds and the like, Method and apparatus for cutting off. R. G. Coats. 1,581,513; Apr. 20.
Ingot molds, Method and apparatus for casting. J. E. Perry. 1,581,541; Apr. 20.
Inkwell, Automatic. E. Davis. 1,581,517; Apr. 20.
Inner tube, All-metal. N. E. Brown. 1,581,381; Apr. 20.
Insertable joint. J. J. Meyer. 1,581,973; Apr. 20.
Insertable joint. J. J. Meyer. 1,581,974; Apr. 20.
Insertable joint. J. J. Meyer. 1,581,975; Apr. 20.
Integrating instrument, Reversible. Z. Citrinowitsch. 1,581,787; Apr. 20.
Internal-combustion engine. R. F. Crawford. 1,581,391; Apr. 20.
Internal-combustion engine. R. Walker. 1,581,253; Apr. 20.
Jack: *See*—
Lifting jack. Smoke jack.
Pump jack.
Joint: *See*—
Insertable joint. Universal joint.
Railway-rail joint.
Joint-installing device, Expansion-. A. C. Fischer. 1,581,399; Apr. 20.
Knitting machine. J. C. Kane. 1,582,013; Apr. 20.
Knitting machines, Thread-controlling mechanism for. K. Nebel. 1,581,977; Apr. 20.
Knob, Molded rubber band. H. D. Geyer. 1,582,021; Apr. 20.
Ladder. H. M. Vetterlein. 1,582,017; Apr. 20.
Lamp, Arc. H. Gerdien and A. Lotz. 1,581,729; Apr. 20.
Lamp, Arc. J. H. Wagenhorst. 1,581,408; Apr. 20.
Lamp bulbs, Coating incandescent. J. B. Whitmore and J. E. Ferguson. 1,581,766; Apr. 20.
Lamp, electrode unit for the same and producing light, Arc. G. E. MacCormac. 1,581,357; Apr. 20.
Lamp, Multiple-arc. E. F. and Winfield and O. Kerner. 1,581,560; Apr. 20.
Lamp shade. S. A. Pettibone. Des. 69,959–67; Apr. 20.
Lamp stand or article of similar nature. B. Rubenstein. Des. 69,968; Apr. 20.
Lamp, Therapeutic. C. G. Gross. 1,582,005; Apr. 20.
Lamp, Two-filament street series. A. L. Powell. 1,581,690; Apr. 20.
Lamps and the like, Cold exhaustion of incandescent electric. D. S. Gustin. 1,581,731; Apr. 20.
Lamps, Container for electric. R. N. Doble. 1,581,921; Apr. 20.
Latch. F. M. Vandervoort. 1,581,495; Apr. 20.
Latch and lock, Door. W. S. Pettit. 1,581,865; Apr. 20.
Latch, Door. J. A. Seeholzer. 1,581,693; Apr. 20.
Latch, Hood. C. B. Gilmore. 1,581,485; Apr. 20.
Lathes and other machine tools, Device for producing a constant cutting speed of. E. Stockemann. 1,581,697; Apr. 20.
Lavatory stopper. W. H. Freer. 1,581,533; Apr. 20.
Leather, Controlling the moisture content of. E. F. Hulbert. 1,581,803; Apr. 20.
Lens-surfacing machines, Foot clutch for. C. J. Troppman. 1,581,251; Apr. 20.
Letter box. T. C. McKee, Sr. 1,581,808; Apr. 20.
Level attachment. L. W. Tiffany. 1,581,249; Apr. 20.
License-plate clip. L. J. Alpaugh. 1,581,416; Apr. 20.
Lifting and loading device. J. W. Crippen. 1,581,392; Apr. 20.
Lifting jack. H. B. Imes. Re16,327; Apr. 20.
Lighting fixture. A. R. Krause. Des. 69,947; Apr. 20.
Lighting fixture. W. F. Michels. Des. 69,953–6; Apr. 20.
Lighting-fixture bracket. L. A. Crumley. Des. 69,936; Apr. 20.
Lighting fixture, Electric-. R. Caroselli. Re16,333; Apr. 20.
Lighting fixtures, Plate for. L. A. Crumley. Des. 69,935; Apr. 20.
Lighting fixtures, Backplate for. A. R. Krause. Des. Des. 69,948; Apr. 20.
Lighting fixtures, Backplate for. P. Siptrott. Des. 69,975; Apr. 20.
Lighting fixtures, Band for. A. R. Krause. Des. 69,949; Apr. 20.
Lighting-unit holder. C. A. Bridges and A. K. Sutherland. 1,581,781; Apr. 20.
Limbs, Mechanical toe movement device for artificial. A. D. Scully. 1,581,815; Apr. 20.

Limiting and indicating system, Power. W. S. H. Hamilton. 1,582,007; Apr. 20.
Link. W. Goodman. 1,581,197; Apr. 20.
Liquid dispenser. W. A. Schatz. Des. 69,969; Apr. 20.
Liquid from a lower to a higher level, Apparatus for raising. M. E. Gregory. 1,581,536; Apr. 20.
Liquid from receptacles, Mechanism for controlling the discharge of. H. I. Morris. 1,581,758; Apr. 20.
Liquid fuel, Atomizing. J. M. Moore. 1,581,223; Apr. 20.
Liquids, Nebulizer of. F. Martindell. 1,581,752; Apr. 20.
Load-determining means. J. Hofmann. 1,581,211; Apr. 20.
Loading machine. F. Oldroyd. 1,581,685; Apr. 20.
Loading machine. C. E. Waxbom. 1,581,705; Apr. 20.
Lock: *See*—
Bolt lock. Nut lock.
Car-door lock. Rim lock.
Locking device, Safety. J. L. Walker and G. D. Alexis. 1,581,409; Apr. 20.
Locking fixture, Frictional swing-sash-. G. G. Wiley. 1,581,770; Apr. 20.
Locomotive crank axle. J. W. Pollock and L. L. Neebe. 1,581,982; Apr. 20.
Locomotive safety appliance. J. Adams. 1,581,713; Apr. 20.
Locomotive sander valve. W. L. Ranson. 1,581,546; Apr. 20.
Locomotives, Reversible toothed gearing for. F. Ljungström. 1,581,276; Apr. 20.
Loom temples, Attachment for. E. A. Cunniff. 1,581,393; Apr. 20.
Looms, Automatically-threading shuttle for. I. Snow. 1,581,600; Apr. 20.
Looms, Hopper-actuating mechanism for filling-replenishing. G. Poirrier. 1,581,597; Apr. 20.
Loud speaker. R. W. Erickson. 1,581,107; Apr. 20.
Lubricant. J. D. Kimmel and R. J. McMahon. 1,581,804; Apr. 20.
Mail-bag catcher for mail cars. M. Houle. 1,581,950; Apr. 20.
Mailing device and making the same. I. F. Huebner. 1,581,951; Apr. 20.
Manger and trough, Combined. J. M. Parker. 1,581,287; Apr. 20.
Manicure box, Vanity. J. E. Hammond. 1,582,008; Apr. 20.
Manifold express form. A. Burdell. 1,581,170; Apr. 20.
Manipulator. L. Iversen. 1,581,842; Apr. 20.
Manure spreader. H. Synck. 1,581,620; Apr. 20.
Marker, Skirt. D. W. Trembath. 1,581,703; Apr. 20.
Marking pin, Laundry-. D. Leggett. 1,581,966; Apr. 20.
Massaging device. R. S. Thompson. 1,581,248; Apr. 20.
Mast and supporting means therefor, Extensible. R. J. Sands. 1,581,325; Apr. 20.
Measuring apparatus for sawmills, Automatic. K. O. A. Johansson. 1,581,315; Apr. 20.
Meat mold. J. Kipper. 1,581,640; Apr. 20.
Megaphone. T. S. Mason. 1,581,972; Apr. 20.
Metal case construction, Sheet-. P. M. Wege. 1,581,256; Apr. 20.
Metal-rolling machines, Electric heater for the rollers of. J. P. Maguire. 1,581,218; Apr. 20.
Meter: *See*
Wave meter.
Mill: *See*—
Attrition mill. Wind mill.
Mixer: *See*—
Concrete mixer.
Molasses gates, Spring closure for. W. H. Martin. 1,581,941; Apr. 20.
Mold: *See*—
Fencepost mold. Meat mold.
Mold-slide safety device. T. F. Duff. 1,581,182; Apr. 20.
Molding, Apparatus for. F. E. Williams. 1,581,773; Apr. 20.
Mortar and the like, Masonry coat holder for. W. Schiltz. 1,581,329; Apr. 20.
Motor: *See*—
Gasoline motor. Water motor.
Motor controller. E. W. Seeger. 1,581,143; Apr. 20.
Motor-controlling apparatus. D. L. Lindquist and D. C. Larson. 1,581,457; Apr. 20.
Motors, Attachment for internal-combustion. K. L. Mayers and M. A. Newman. 1,581,589; Apr. 20.
Mousetrap. N. H. Schmuck. 1,581,297; Apr. 20.
Music rack, turner, and holder, Combined. G. M. Van Dyke. 1,581,892; Apr. 20.
Nebulizer. A. W. Morse. 1,581,759; Apr. 20.
Necktie. S. Loth. 1,581,845; Apr. 20.
Necktie form. T. W. Gilbert. 1,581,193; Apr. 20.
Nut. D. E. Williams. 1,581,559; Apr. 20.
Nut lock. R. R. Childs. 1,581,333; Apr. 20.
Nut-locking device. R. R. Childs and G. H. Jakobason. 1,581,531; Apr. 20.
Nut press, Hot-. A. De Fries. 1,581,632; Apr. 20.
Oil burner. P. V. Rossatti. 1,581,984; Apr. 20.
Oil burner, Fuel-. L. L. Leavell. 1,581,354; Apr. 20.
Oil, Heating. F. E. Wellman. 1,581,896; Apr. 20.
Oil stocks, Refining lubricating. J. W. Weir. 1,581,369; Apr. 20.
Oils, Manufacturing lubricating. J. W. Weir. 1,581,370; Apr. 20.
Operating mechanism. C. M. Yoder. 1,581,712; Apr. 20.
Oscillations in leaf springs for vehicle suspension and other purposes, Damping. F. L. Broussouse. 1,581,916; Apr. 20.
Oven door. J. J. Toomey. 1,581,702; Apr. 20.
Ovens, Thermostatic governor for gas. H. W. Partlow. 1,581,139; Apr. 20.
Packing and bearing means, Combined. D. D. Paxton. 1,581,471; Apr. 20.
Packing device, Grape-. F. A. Park. 1,581,470; Apr. 20.
Pad: *See*—
Heater pad.
Padlocks, Protecting cover for. A. C. Jackson. 1,581,953; Apr. 20.
Paint and applying the same. A. M. Hageman and E. R. Schmid. 1,581,732; Apr. 20.
Paint and varnish removing composition. R. M. Yoakam. 1,581,413; Apr. 20.
Pallet, Sectional. E. White and H. B. Edwards. 1,581,993; Apr. 20.
Pan: *See*—
Closet pan.
Pan-supporting device, Bake. D. and F. James. 1,581,213; Apr. 20.
Pants, Baby. M. S. George. Re16,330; Apr. 20.
Paper. N. Sulzberger. 1,581,618; Apr. 20.
Paper and making the same, Waterproofed, fireproofed. M. Brandt. 1,581,779; Apr. 20.
Paper clip. J. H. Oakes. 1,581,137; Apr. 20.
Paper-making machine. F. W. Monaghan. 1,581,655–6; Apr. 20.
Paper-making machines and the like, Segregated drive for. 1,581,949; Apr. 20.
Paper-pulp-beating machine. C. W. Morden. 1,581,464; Apr. 20.
Parcel delivery. D. W. Perin. 1,581,689; Apr. 20.
Pattern and making the same, Embroidery. E. Lehmann. 1,581,936; Apr. 20.
Pavements and the like, Reenforcement for. E. L. Benedict and R. L. Glose. 1,581,506; Apr. 20.
Paving block. L. J. D. Healy. 1,581,345; Apr. 20.
Pencil, Self-feeding. R. S. Pryce, F. E. French, and W. S. Bostder. 1,581,472; Apr. 20.
Pens, Beam for ruling. A. Broadmeyer. 1,581,166; Apr. 20.
Percolator, French drip. L. S. Roberts. 1,581,871; Apr. 20.
Pianos, Pneumatic music-sheet control for player. J. H. Karstetter. 1,581,955; Apr. 20.
Picture exhibitor. C. H. McCaslin. 1,581,460; Apr. 20.
Picture-film cleaner, Motion-. J. G. Gramsa. 1,581,198; Apr. 20.
Pin holder. W. V. Bergen. 1,581,422; Apr. 20.
Pin-setting machine. J. W. Bishop. 1,581,377–9; Apr. 20.
Pipe. D. Tabenau. 1,581,989; Apr. 20.
Pipe-cleaning machine. W. J. Garner. 1,581,400; Apr. 20.
Pipe support, Insertable joint. J. J. Meyer. 1,581,755; Apr. 20.
Pipes, Preventing the incrustation of. C. Prache. 1,581,545; Apr. 20.
Piston. E. T. Larkin. 1,581,964; Apr. 20.
Piston ring. J. A. Fryoux, jr., and F. J. Fryoux. 1,581,312; Apr. 20.
Piston ring. C. N. Tector. 1,581,246; Apr. 20.
Piston-ring tool. W. E. Hart. 1,582,011; Apr. 20.
Piston ring, Triple-seal. H. E. Deputy. 1,581,484; Apr. 20.
Piston-rod construction. E. A. Watts. 1,581,255; Apr. 20.
Pitcher, Batter. A. J. Schultz. 1,581,877; Apr. 20.
Pitchometer, Propeller. R. C. Dunbar. 1,581,566; Apr. 20.
Pitting machine, Peach-. J. P. Bem. 1,581,482; Apr. 20.
Planter, Seed. S. A. Hunt. 1,581,266; Apr. 20.
Plaster board Method and apparatus for forming. J. Schumacher. 1,581,328; Apr. 20.
Plate. W. H. Magee. Des. 69,951; Apr. 20.
Plate, Air-cooled deflecting. D. P. Grahame. 1,581,634; Apr. 20.
Plate or analogous article. H. E. Nock. Des. 69,958; Apr. 20.
Plows, Harrow attachment for. R. A. Danskin. 1,581,395; Apr. 20.
Plug for rolls of paper and the like. G. E. Marvin and J. Wipfli. 1,581,279; Apr. 20.
Plumber's trap. A. E. Thatcher. 1,581,478; Apr. 20.
Pneumatic classifier. A. H. Stebbins. 1,581,240; Apr. 20.
Polyhydric alcohol-organic acid resinous condensation products. J. G. E. Wright. 1,581,902; Apr. 20.
Post puller. H. C. F. Lase. 1,581,935; Apr. 20.
Potato gatherer. W. C. Roth. 1,581,599; Apr. 20.
Pouch-transferring device. T. F. Brown. 1,581,674; Apr. 20.
Power cutter, Portable. J. Holtzman. 1,581,265; Apr. 20.
Power-plant installation. O. T. Post. 1,581,866; Apr. 20.
Power-transmission means. T. J. E. Gray. 1,581,439; Apr. 20.
Power-transmission mechanism. H. P. Ross. 1,581,292; Apr. 20.
Press: *See*—
Printing press.

Presser foot. J. Ballzer and R. A. Schranz. 1,581,307; Apr. 20.
Presser roller. J. L. Wheeler. 1,581,623; Apr. 20.
Presses, Feeding device for. F. S. English. 1,581,431; Apr. 20.
Presses, Safety device for punch. W. A. Brower. 1,581,672; Apr. 20.
Printer, Enlargement. F. Q. Gates. 1,581,999; Apr. 20.
Printer's material-making machine. M. C. Indahl. 1,581,125; Apr. 20.
Printing in intaglio, Method of and press for multicolor. J. C. Yetter. 1,581,151; Apr. 20.
Printing machine. H. V. Ball. 1,581,715; Apr. 20.
Printing machine. H. P. Elliott. 1,581,726; Apr. 20.
Printing press. R. R. McCormick. 1,581,132; Apr. 20.
Printing presses, Envelope-stacking attachment for. C. L. Low. 1,581,583; Apr. 20.
Printing presses, Form-roller structure for. C. L. Low. 1,581,584; Apr. 20.
Prism, Anamorphous total-reflecting. H. F. Roach. 1,581,659; Apr. 20.
Projection apparatus, Feeding mechanism for. A. Puras y Sierra and F. del Rio y Hernandez. 1,581,228; Apr. 20.
Propelling mechanism, Boat-. P. Mediate. 1,581,856; Apr. 20.
Protecting banks from robbery, Device for. E. E. Pauley. 1,581,319; Apr. 20.
Protrusion-bite recorder. H. A. Bonoff. 1,581,914; Apr. 20.
Puller: *See*—
Post puller. Valve-seat puller.
Spike puller.
Pulp and other products from wood, Production of. L. Bradley and E. P. McKeefe. 1,581,671; Apr. 20.
Pump and system, Hydraulic. C. E. H. Lloyd. 1,581,582; Apr. 20.
Pump, Deep-well. A. C. Tunison. 1,581,809; Apr. 20.
Pump, Grease. J. G. Schotthoefer. 1,581,298; Apr. 20.
Pump jack. F. R. Owens. 1,581,863; Apr. 20.
Pump-pressure governor. J. A. Sons. 1,581,234; Apr. 20.
Purse retainer. F. Laporte. 1,581,645; Apr. 20.
Pump, Self-priming centrifugal. P. Harlveau. 1,581,204; Apr. 20.
Punch mechanism, Card-. J. Büchter. 1,581,782; Apr. 20.
Puzzle. F. E. Williams. 1,581,772; Apr. 20.
Quartz working. E. R. Berry. 1,581,829; Apr. 20.
Rack: *See*—
Conveyer rack. Drying rack.
Radiator. A. Clark. 1,581,386; Apr. 20.
Radiator cap. R. A. Friedlander and G. E. Gravenstine. 1,581,728; Apr. 20.
Radiator indicator. A. P. Andersen and A. L. Tyrrell. 1,581,480; Apr. 20.
Radiators for motor vehicles, Water gauge for. H. H. Hammerstrom. 1,581,440; Apr. 20.
Radioaerial. F. H. Mackenzie. 1,581,133; Apr. 20.
Radiocondenser. C. Lofberg. 1,581,356; Apr. 20.
Radio control apparatus. H. R. Van Deventer. 1,581,368; Apr. 20.
Radio detector element, Double-faced. A. Loppacker. 1,581,649; Apr. 20.
Radio detector or amplification vacuum bulb. R. Webster. 1,581,992; Apr. 20.
Radio inductance coil. O. G. Lissen. 1,581,967; Apr. 20.
Radio signaling system. R. Herzog and L. Pungs. 1,581,264; Apr. 20.
Radio station finder, Automatic. A. J. Vasselli. 1,581,145; Apr. 20.
Radio transmission, Reducing interference and obtaining secrecy in. A. S. Blatterman. 1,581,161; Apr. 20.
Radius-rod clamp. R. L. Naugle. 1,581,283; Apr. 20.
Rail bonds, Mold for cast-welding. J. C. Lincoln. 1,581,455; Apr. 20.
Railway car. W. P. Kellett. 1,581,744; Apr. 20.
Railway-rail joint. L. Smith. 1,581,405; Apr. 20.
Railway rails, Bonding. J. C. Lincoln. 1,581,456; Apr. 20.
Railway-traffic-controlling apparatus. L. O. Grondahl. 1,581,113; Apr. 20.
Ram, Hydraulic. C. Heerlein. 1,581,945; Apr. 20.
Rat and mouse trap. C. S. Holroyd. 1,581,444; Apr. 20.
Razor blade, Safety-. J. Llobet. 1,581,968; Apr. 20.
Razor, Safety. B. C. Oskin. 1,581,469; Apr. 20.
Razor, Safety. I. Smith. 1,581,694; Apr. 20.
Razor sharpener. W. W. Graves. 1,581,199; Apr. 20.
Razors, Device for drying safety. J. W. Coons. 1,581,426; Apr. 20.
Receptacle, Collapsible. A. Thomas. 1,581,888; Apr. 20.
Receptacle for use by cap makers. H. Libshitz. 1,581,938; Apr. 20.
Receptacles, Closure fastener for. O. J. Hayes. 1,581,208; Apr. 20.
Recoil register. G. G. Gocke. 1,581,196; Apr. 20.
Recorder: *See*—
Chicken recorder. Protusion-bite recorder.
Recorders, Casing for time. C. D. Lake. Des. 69,950; Apr. 20.
Recording device, Automatic speed-. P. O. Brown. 1,581,718; Apr. 20.
Recording means. A. Poulsen. 1,581,598; Apr. 20.
Reed-weaving machine. M. B. Lloyd. 1,581,355; Apr. 20.
Reel: *See*—
Fishing reel.
Reflecting means. T. C. Rhodes. 1,581,491; Apr. 20.
Reflectors, Holder for. P. M. Hotchkin. 1,581,121; Apr. 20.
Refrigerating apparatus. R. W. Davenport. 1,581,103; Apr. 20.
Refrigerating unit. L. L. Scott. 1,581,665; Apr. 20.
Refrigeration systems, Automatic valve-operating means for. G. Hilger. 1,581,636; Apr. 20.
Refrigerator construction. J. G. Sheckles. 1,581,986; Apr. 20.
Refrigerator show case. L. A. Banta. 1,581,156; Apr. 20.
Register: *See*—
Recoil register.
Registers, Feeding mechanism for autographic. M. Macdonald. 1,581,847; Apr. 20.
Regulator: *See*—
Fluid-pressure regulator. Synchronized regulator.
Release coupling, Automatic. W. A. Mueller. 1,581,467; Apr. 20.
Remedy, Topical. S. E. Frasier. 1,581,798; Apr. 20.
Repair stand. W. Procknow. 1,581,360; Apr. 20.
Repair stand, Engine-. J. C. Rumfelt. 1,581,874; Apr. 20.
Reservoir pad and the like. J. H. Brown. 1,581,563; Apr. 20.
Retort, Rotating. F. S. Bacon. Re16,326; Apr. 20.
Rheostat and potentiometer, Combined. C. F. Cairns. 1,581,676; Apr. 20.
Rheostat, Dimming. H. W. Hulscher. 1,581,123; Apr. 20.
Rim, Demountable. H. L. Cook. 1,581,679; Apr. 20.
Rim lock. L. Febre. 1,581,434; Apr. 20.
Rims or the like, Machine for punching or swaging. J. Patrick. 1,581,810; Apr. 20.
Ring: *See*—
Piston ring.
Ring. R. H. Jones. Des. 69,946; Apr. 20.
Road marker. J. R. O'Brien. 1,581,809; Apr. 20.
Roadway, Reenforced. E. L. Benedict. 1,581,507; Apr. 20.
Rock drill. L. C. Bayles. 1,581,668; Apr. 20.
Roller: *See*—
Presser roller.
Roof construction. C. Moeller. 1,581,136; Apr. 20.
Roof construction. A. H. Oelkers. 1,581,978; Apr. 20.
Roof flashing. C. Hoskins. 1,581,741; Apr. 20.
Roofing units, Apparatus for making. A. S. Speer. 1,581,236; Apr. 20.
Rotary and cam switch, Periodic. H. L. Haynes. 1,581,117; Apr. 20.
Rotary take-up. R. K. Hohmann. 1,581,346; Apr. 20.
Routing machines, Blower for, R. L. Carter. 1,581,719; Apr. 20.
Routing machines, Flexible shoes for. R. L. Carter. 1,581,720; Apr. 20.
Rubber and metal, Uniting. R. M. Withycombe. 1,581,823; Apr. 20.
Rubbing machine, Surface-. E. May. 1,581,855; Apr. 20.
Rug. A. F. McCollum. 1,581,970; Apr. 20.
Rug bag. G. V. Granger. 1,581,535; Apr. 20.
Rule, Slide. J. E. Eshbaugh. 1,581,567; Apr. 20.
Sack-dispensing device. A. E. Carlson and A. T. Magnuson. 1,581,099; Apr. 20.
Sadiron, Self-heating. J. L. Schmidt. 1,581,327; Apr. 20.
Sail structure. R. Macrae. 1,581,848; Apr. 20.
Salt and pepper shaker, Combined. H. Baldwin. 1,581,666–7; Apr. 20.
Sash construction, Weightless. B. E. Bartholomew. 1,581,908; Apr. 20.
Saxophone. M. A. Stover. 1,581,494; Apr. 20.
Scale beam. G. G. Wiley. 1,581,768; Apr. 20.
Scale casing, Weighing-. E. G. Thomas. Des. 69,977; Apr. 20.
Scale, Recording track. G. G. Wiley. 1,581,769; Apr. 20.
Scoop, Earth. D. P. Senger. 1,581,231; Apr. 20.
Scooter. A. Bullermann. 1,581,168; Apr. 20.
Screen. E. O'Toole. 1,581,686; Apr. 20.
Screens, Fastener for sectional window. H. R. Ellis. 1,581,185; Apr. 20.
Screw, Soft-nose. H. S. Barnes. 1,581,096; Apr. 20.
Sealing construction. F. W. Rubin. 1,581,811; Apr. 20.
Separator: *See*—
Cotton separator. Gas and oil separator.
Sewing machine. J. P. Weis. 1,581,498–9; Apr. 20.
Sewing machine. J. P. Weis. 1,581,764; Apr. 20.
Sewing machine, Work clamp for buttonhole-. B. T. Leveque. 1,581,274; Apr. 20.
Sewing machines, Feeding mechanism for. J. R. Moffatt. 1,581,221–2; Apr. 20.
Sewing machines, Feeding mechanism for. J. P. Weis. 1,581,496; Apr. 20.
Sewing machines, Looper mechanism for. J. P. Weis. 1,581,497; Apr. 20.
Sewing machines, Lubricating mechanism for. J. P. Weis. 1,581,765; Apr. 20.
Sewing machines, Transmission mechanism for. J. P. Weis. 1,581,500; Apr. 20.
Shade and curtain bracket. A. J. Gannon. 1,581,313; Apr. 20.
Shaft disconnecter, Automatic. W. F. Chesley. 1,581,678; Apr. 20.
Shaker for canned products. E. E. Brass. 1,581,780; Apr. 20.
Sharpener, Cutlery. E. T. Davison. 1,581,792; Apr. 20.

Sharpening device, Tool-. L. G. Case. 1,581,919; Apr. 20.
Sheet-conditioning apparatus. L. P. Willsea. 1,581,526; Apr. 20.
Sheet-delivery table. R. Hitchcock. 1,581,120; Apr. 20.
Sheet-folding mechanism C. V. Carnovsky. 1,581,677; Apr. 20.
Shelf support. H. L. Owens. 1,581,858; Apr. 20.
Shingle, Artificial. S. B. Christy. 1,581,308; Apr. 20.
Shingles, Device for fastening roofing. J. C. Bergner. 1,582,018; Apr. 20.
Shipping and display box. W. H. Mount. 1,581,518; Apr. 20.
Ship's propeller shafts, Eliminating dangerous vibration periods in. F. Soltau. 1,581,554; Apr. 20.
Ship's propellers by means of internal-combustion engines, Drive for. F. Soltau. 1,581,553; Apr. 20.
Ships afloat, Hull-cleaning machine for. N. Madsen. 1,581,849; Apr. 20.
Shock absorber. E. T. McKnig. 1,581,489–9; Apr. 20.
Shock absorber for motor road vehicles. W. J. Jenkins. 1,581,681; Apr. 20.
Shoe. H. Bullock. 1,581,783; Apr. 20.
Shovel frame. W. C. Anthony and W. B. Mackintosh. 1,581,153; Apr. 20.
Shuttle, Automatically-threading. H. Lussier. 1,581,585; Apr. 20.
Shuttle block. W. A. Bashaw. 1,581,157; Apr. 20.
Shuttle, Side overlap. F. H. Stetson. 1,581,300; Apr. 20.
Sighting mechanism for antiaircraft ordnance. A. T. Dawson. 1,581,793; Apr. 20.
Signal: *See*—
Automobile signal.
Signal and fuel control, Audible. A. R. Holler. 1,581,739; Apr. 20.
Signaling device. D. E. McIver. 1,581,939; Apr. 20.
Signaling system, Carrier-wave. J. W. Horton. 1,581,576; Apr. 20.
Signals, Control switch for vehicle. J. S. Williamson and H. L. Beach. 1,581,149; Apr. 20.
Single-roll crusher. J. G. Ogden. 1,581,684; Apr. 20.
Siphons, Flexible diaphragm for thermic. C. G. Hawley. 1,581,344; Apr. 20.
Sky writing. O. H. Snyder and W. H. Brookley. 1,581,521; Apr. 20.
Slabs, Reenforcing fabric for cementitious. E. L. Benedict and R. L. Glose. 1,581,505; Apr. 20.
Slack adjuster. D. Grattan. 1,581,438; Apr. 20.
Smoke jack, Ventilating sectional. J. W. Orrock. 1,581,979; Apr. 20.
Smoker's stand. S. E. Guinn. Des. 69,942; Apr. 20.
Smoking stand. A. J. Schneider. Des. 69,972; Apr. 20.
Soap, Apparatus for shredding and drying. J. A. Schwantes. 1,581,664; Apr. 20.
Socket attachment. R. Gans. 1,581,534; Apr. 20.
Socket, Rope. A. F. Yeaton and L. W. Breyfogle. 1,581,561; Apr. 20.
Socket switch. F. H. Hart. 1,581,735; Apr. 20.
Socket switch, Thermostatically-controlled. R. D. Smith. 1,581,233; Apr. 20.
Sodium fluoride from silicofluorine compounds, Manufacturing. W. Siegel. 1,581,819; Apr. 20.
Sole and heel. D. Oberdorfer. 1,581,861; Apr. 20.
Soles, Last for use in forming and leveling. J. C. Boyd. 1,581,627; Apr. 20.
Solid material or of pulverized minerals, Process and apparatus for the combustion, the reduction, or the treatment of. X. de Spirlet. 1,581,397; Apr. 20.
Soother, Baby. W. H. Griffiths. 1,582,003; Apr. 20.
Sound box. A. F. R. Cotton. 1,581,177; Apr. 20.
Sound-conducting tube. W. Hahnemann and H. Lichte. 1,581,734; Apr. 20.
Sound-producing device of the telephone-receiver type. N. Baldwin. 1,581,155; Apr. 20.
Speed-changing method and apparatus. W. J. O'Leary. 1,581,594; Apr. 20.
Spike puller. M. E. Lee. 1,581,273; Apr. 20.
Spinning and doubling frames, Mounting of pulleys employed in the tape driving of spindles in ring. W. A. Walsh. 1,581,991; Apr. 20.
Spinning and twisting machines, Traveler ring for. G. Reinhold. 1,581,869; Apr. 20.
Spinning machines and the like, Speed-controlling means for ring-. J. Shaw. 1,581,878; Apr. 20.
Spring, Duplex. C. P. Trimble. 1,581,528; Apr. 20
Spring structure. G. G. Rickerson. 1,581,870; Apr. 20.
Stamp. C. D. Griggs. 1,582,004; Apr. 20.
Stand: *See*—
Repair stand. Telephone stand.
Switch stand. Watch stand.
Standpipe apparatus. J. Ackeren. 1,581,556; Apr. 20.
Stapling machine. F. Polzer. 1,581,288; Apr. 20.
Stapling machines, Staple for use with hand. H. J. Taplin. 1,581,887; Apr. 20.
Station indicator. D. K. Barnes. 1,581,716; Apr. 20.
Stationery container. L. Horrall. Des. 69,945; Apr. 20.
Steam generator, Portable. B. C. Moxley. 1,581,760; Apr. 20.
Steam plant. J. K. Ruths. 1,581,229; Apr. 20.
Steel ingots, Making articles from. R. G. Contes. 1,581,512; Apr. 20.
Steering device, Automatic. O. B. Whittaker. 1,581,147; Apr. 20.
Steering-wheel heater. R. C. Steuart and B. B. Cockey. 1,581,884; Apr. 20.
Stereotypes, Forming. J. Rosenberg. 1,581,290; Apr. 20.
Sterilizing agents, germicides and the like, Preparation of. C. H. H. Harold. 1,581,115; Apr. 20.
Still for distilling oil, Bolted steel-tube. J. M. Sims and O. M. Brooks. 1,581,879; Apr. 20.
Stone plane. R. Frenette. 1,581,311; Apr. 20.
Stop or signal, Automatic train. B. G. Van Dyke, jr. 1,581,891; Apr. 20.
Stopper: *See*—
Lavatory stopper.
Storage-battery-cell cover. B. Ford. 1,581,568; Apr. 20.
Storage-battery covers, Filling plug for. J. N. Davis. 1,581,104; Apr. 20.
Straining or filtering apparatus. F. D. Fulcher. 1,581,998; Apr. 20.
Submarine vessel. F. Laski. 1,581,580; Apr. 20.
Sugar, Manufacture of. H. Schreiber. 1,581,663; Apr. 20.
Surfacing machine. J. Sturrock. 1,581,699; Apr. 20.
Switch: *See*—
Electric switch. Track switch.
Socket switch. Time switch.
Switch-interlocking mechanism. D. C. Larson. 1,581,453; Apr. 20.
Switch-point protector. W. H. Dotter. 1,581,106; Apr. 20.
Switch stand. M. P. Fox. 1,581,569; Apr. 20.
Switch system, Electrically-operated. S. S. Stolp. 1,581,605; Apr. 20.
Switches, Connection with plug. S. M. Hale. 1,581,573; Apr. 20.
Synchronized regulator. P. Wunderlich and L. D. Chellis. 1,581,624; Apr. 20.
Syringe, Vaginal. K. Bombard. 1,581,508; Apr. 20.
Syringes, Comtainer for hypodermic. A. B. Guinness. 1,581,341; Apr. 20.
Table-shifting appliance. C. B. Mueller. 1,581,682; Apr. 20.
Table: *See*—
Box-strapping table. Work table.
Sheet-delivery table.
Tables, Dewatering attachment for concentrating. E. J. O'Connell. 1,582,020; Apr. 20.
Tank: *See*—
Vacuum feed tank. Water tank.
Tank furnace, Continuous. E. T. Ferngren. 1,581,338; Apr. 20.
Tanning and the manufacture of tanning materials. J. A. S. Morrison. 1,581,224; Apr. 20.
Tea ball. O. L. Kieselbach. 1,581,578; Apr. 20.
Telegraph switching system. C. E. Lomax. 1,581,844; Apr 20
Telegraph systems, Preventing bias in. R. B. Schanck. 1,581,326; Apr. 20.
Telegraph transmitter. K. H. Cannam. 1,581,173; Apr. 20.
Telephone receiver. K. Bungerz. 1,581,509; Apr. 20.
Telephone receiver. M. H. Spielman. 1,581,237; Apr. 20.
Telephone receiver, Ear-supported. P. V. Summer. 1,581,700; Apr. 20.
Telephone receivers in series or in parallel, Device for connecting together. F. G. Brockett and C. C. Wright. 1,581,630; Apr. 20.
Telephone set, Head. A. T. Stace. 1,581,882; Apr. 20.
Telephone stand. W. H. Keefer. 1,581,956; Apr. 20.
Telephone system, Automatic. J. Erickson. 1,581,309; Apr. 20.
Telephone system. S. Suekoff. 1,581,244; Apr. 20.
Temperature control, Safety. C. Wilhjelm. 1,581,260; Apr. 20.
Temperature indicator. M. W. Ryan and M. Uttendorfer. 1,581,812; Apr. 20.
Tent. J. Csajaghy and W. M. Farkas. 1,581,180; Apr. 20.
Tent structure. S. R. Smith. 1,581,331; Apr. 20.
Testing hardness of firm bodies, apparatus for. C. E. Dahlqvist. 1,581,830; Apr. 20.
Testing machine. H. V. Kobin. 1,581,215; Apr. 20.
Thermocouple casing. R. P. Brown. 1,581,380; Apr. 20.
Thermostat. H. S. Humphrey. 1,581,124; Apr. 20.
Tightening flexible lines, Device for. A. Boynton. 1,581,164; Apr. 20.
Tile cleaning and stacking machine and method. E. W. Zeh. 1,581,774; Apr. 20.
Time switch, Thermostatic. A. O. Appelberg. 1,581,714; Apr. 20.
Timing mechanism, Automatic selective. W. F. Mayer. 1,581,753; Apr. 20.
Tipping machine. J. H. Royall. 1,581,692; Apr. 20.
Tire and building the same, Pneumatic. J. Kearns and E. G. Webber. 1,581,743; Apr. 20.
Tire armor. G. W. Childers. 1,581,385; Apr. 20.
Tire carrier and rim-expanding tool, Combined. R. Kolarik, J. C. Wendling, E. M. Bahnik, and D. A. Davies. 1,581,807; Apr. 20.
Tire, Pneumatic. A. Moore. 1,581,590; Apr. 20.
Tire tread. A. E. Caldwell. Des. 69,934; Apr. 20.
Tires, Electric air-pressure indicator for pneumatic. H. J. Pumphrey, jr. 1,581,320; Apr. 20.
Tool, Carpenter's combination. J. Parkhill. 1,581,225; Apr. 20.

Tool, Combination. E. L. Herring. 1,581,119; Apr. 20.
Tool, Folding. A. S. Newmark. 1,581,593; Apr. 20.
Tool, Turning. W. B. Rood. 1,581,983; Apr. 20.
Tool, Shoemaker's. J. Washco. 1,581,704; Apr. 20.
Toothbrush holder. R. Winograd and S. Shakin. 1,581,711; Apr. 20.
Toothbrush, tooth-paste, and glass holder, Combined. F. G. Treublg. 1,581,250; Apr. 20.
Tooth cleaner. A. E. Wright. 1,581,501; Apr. 20.
Top. E. W. Gibbs. Des. 69,941; Apr. 20.
Towing device. O. Coolican. 1,581,515; Apr. 20.
Toy airplane. F. Pearson. 1,581,980; Apr. 20.
Toy gas filling pump. C. G. Austin. 1,581,906; Apr. 20.
Toy, Musical. J. A. Stahle. 1,581,238; Apr. 20.
Toy or exercising device, Novelty. J. J. Dahlstrom. 1,581,181; Apr. 20.
Toy race-course device. F. L. Mills. 1,581,756–7; Apr. 20.
Toy, Structural. C. C. Larsen. 1,581,646; Apr. 20.
Toy, Vehicle. A. Scholer. 1,581,550; Apr. 20.
Track scale, Automatic recording. G. G. Wiley. 1,581,771; Apr. 20.
Track switch, Electrically-operated. G. A. Mead. 1,581,607; Apr. 20.
Track switch, Electrically-operated. G. A. Mead. 1,581,614–15; Apr. 20.
Track switch, Electrically-operated. S. S. Stolp. 1,581,608–13; Apr. 20.
Track switch, Electrically-operated. S. S. Stolp. 1,581,616; Apr. 20.
Tractor. T. C. Leake. 1,581,648; Apr. 20.
Tractor hitch. E. Kummer. 1,581,272; Apr. 20.
Tractors, Power-transmitting attachment for. S. Lien. 1,581,275; Apr. 20.
Traffic signal. C. T. Marton. Des. 69,952; Apr. 20.
Transformer. C. Fayer. 1,581,187; Apr. 20.
Transmission line. A. O. Austin. 1,581,154; Apr. 20.
Transportation means. W. P. Kellett. 1,581,746; Apr. 20.
Transportation system. W. P. Kellett. 1,581,745; Apr. 20.
Trap: *See*—
Float trap.
Mouse trap.
Rat and mouse trap.
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CLASSIFICATION OF PATENTS

ISSUED APRIL 20, 1926.

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346: 1,581,745
175— 30: 1,581,154
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359: 1,581,162
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176— 2: 1,581,731
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25: 1,581,209
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53: 1,581,357
59: 1,581,408
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179— 1: 1,581,586
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25: 1,581,734
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182— 7: 1,581,478
183— 2.7: 1,581,371
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109: 1,581,462
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187— 90: 1,581,458
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188— 32: 1,581,696
62: 1,581,987
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189— 1: 1,581,487
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191— 80: 1,581,116
192— 53: 1,581,292
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197— 43: 1,581,628
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199— 1: 1,581,125
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36: 1,581,168
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95: 1,581,903
227— 7: 1,581,660
228— 6: 1,581,258
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229— 45: 1,581,800
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230— 11: 1,581,911
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91: 1,581,196
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308— 72: 1,581,376
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams & Westlake Company, The, Chicago, Ill. Automobile ventilators. 212,099; Apr. 27; Serial No. 221,733; published Feb. 2, 1926.

Air Novelty Works. (See Blanchard, John H.)

Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Manicure preparations. 212,140; Apr. 27; Serial No. 218,889; published Feb. 9, 1926.

Alcone Knitting Mills, San Francisco, Calif. Knitted fabric. 212,204; Apr. 27; Serial No. 221,299; published Feb. 9, 1926.

Alexander Industries, Inc., Englewood, Colo. Advertising and publicity motion-picture films. 212,347; Apr. 27.

Allen, S. L., & Co., assignor to S. L. Allen & Co. Inc., Philadelphia, Pa. Sleds. 55,077; renewed Aug. 7, 1926.

Aloe, A. S., Co., St. Louis, Mo. Electrotherapeutic outfits and cabinets. 212,114; Apr. 27; Serial No. 223,358; published Feb. 9, 1926.

Alpha-Lux Company, Inc., The, New York, N. Y. Fire-resisting powdered material. 212,083; Apr. 27; Serial No. 221,996; published Jan. 12, 1926.

American Beauty Macaroni Co. (See Kansas City Macaroni & Importing Co.)

American Blower Company, Detroit, Mich. Combined air heating and circulating device. 212,084; Apr. 27; Serial No. 215,674; published Jan. 12, 1926.

American Chicle Company. (See Fleer, Frank H., and Company, assignor.)

American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa. Fresh citrous and deciduous fruits, berries, grapes, etc. 212,033; Apr. 27; Serial No. 217,060; published Feb. 9, 1926.

American Lead Pencil Company, New York, N. Y. Lead pencils. 51,414; renewed Apr. 17, 1926.

American Lead Pencil Company, New York, N. Y. Lead pencils. 52,165; renewed May 1, 1926.

American Maid Company, Chicago, Ill. Bloomers, princess slips, nightgowns, etc. 212,181; Apr. 27; Serial No. 222,491; published Feb. 9, 1926.

American Manufacturing Company, The, New York, assignor to American Manufacturing Company, Brooklyn, N. Y. Rope, cord, lines, and twine. 55,962; renewed Aug. 21, 1926.

American Manufacturing Company, The, New York, assignor to American Manufacturing Company, Brooklyn, N. Y. Bagging. 55,963–5; renewed Aug. 21, 1926.

American Manufacturing Company, The, New York, assignor to American Manufacturing Company, Brooklyn, N. Y. Bagging. 56,028–30; renewed Aug. 21, 1926.

American Printing Company, Fall River, Mass. Cotton piece goods. 212,340; Apr. 27.

American Separator Company, Bainbridge, N. Y. Centrifugal cream separators. 50,438; renewed Mar. 20, 1926.

American Shearer Mfg. Co., Nashua, N. H. Hair and wool clippers and their parts. 55,032; renewed Aug. 7, 1926.

American Smelting and Refining Company. (See Selby Smelting & Lead Company.)

American Smelting & Refining Company, New York, N. Y. and San Francisco, Calif. Lead, solder, and babbitt, etc. 212,094; Apr. 27; Serial No. 225,542; published Feb. 16, 1926.

American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Lead, solder, and babbitt, etc. 212,123; Apr. 27; Serial No. 225,544; published Feb. 16, 1926.

Amory, Browne & Co., Boston, Mass. Cotton piece goods. 55,500; renewed Aug. 21, 1926.

Anklarch Company, Inc., The, Lexington, Ky. Arch supports. 212,120; Apr. 27; Serial No. 225,393; published Feb. 16, 1926.

Apex Stamping Company, Riverdale, Ill. Blowtorches. 212,025; Apr. 27; Serial No. 222,655; published Feb. 2, 1926.

Appleton Company, Lowell, Mass. Cotton piece goods. 212,218; Apr. 27; Serial No. 225,693; published Feb. 16, 1926.

Arabol Manufacturing Co., The, New York, N. Y. Turkey-red oil and soluble grease. 51,416; Apr. 17, 1926.

Arabol Manufacturing Co., The, New York, N. Y. Soluble oil and grease. 54,806; renewed July 31, 1926.

Arbuckle Bros., to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill., successor. Coffee. 50,439; renewed Mar. 20, 1926.

Arco Company, The. (See Atlantic Refining Company.)

Atkins, E. C., & Company, Indianapolis, Ind.; New York, N. Y.; Memphis, Tenn.; Atlanta, Ga.; Minneapolis, Minn.; Portland, Oreg.; Seattle, Wash.; San Francisco, Calif.; Chicago, Ill.; and Toronto, Canada, to E. C. Atkins & Company, Indianapolis, Ind. Saws of all kinds. 54,741; renewed June 26, 1926.

Atkins, Kroll & Co., San Francisco, Calif. Gasoline, benzine, petroleum distillate, etc. 212,266; Apr. 27. Serial No. 224,069; published Feb. 2, 1926.

Atlantic Refining Company, Franklin and Philsdelphia, to The Atlantic Refining Company, Philadelphia, Pa. Lubricating oils. 51,677; renewed Apr. 24, 1926.

Atlantic Refining Company, The, to The Arco Company, Cleveland, Ohio, successor. Waterpoor structural and roof paint. 52,055; renewed May 1, 1926.

Atlantic Rubber Manufacturing Corporation. (See Traun Rubber Co., assignor.)

Auringer, Christian P., doing business as Auringer Coffee Company, Kingston, N. Y. Coffee. 212,302; Apr. 27. Serial No. 221,401; published Feb. 16, 1926.

Ayres, William, & Sons, assignor to William Ayres & Sons, Inc., Philadelphia, Pa. Horse covers, saddle housings, lap robes, and dusters. 51,630; renewed Apr. 17, 1926.

Ayres, William, & Sons, assignor to William Ayres & Sons, Inc., Philadelphia, Pa. Horse blankets. 55,341; renewed Aug. 14, 1926.

Babson Brothers, Chicago, Ill. Pipeless furnaces. 212,232; Apr. 27; Serial No. 223,885; published Jan. 26, 1926.

Bakelite Corporation, New York, N. Y. Buttons and buckles. 212,066; Apr. 27; Serial No. 221,157; published Feb. 16, 1926.

Banner Cigar Mfg. Co., The, to Theodore R. Peterson, doing business as The Peterson Cigar Co., Detroit, Mich., successor. Cigars. 50,395; renewed Mar. 13, 1926.

Barbasol Company, The, doing business as Barbasol Pharmaceutical Laboratories, Indianapolis, Ind. Tablet for relief of pain. 212,161; Apr. 17; Serial No. 224,494; published Feb. 9, 1926.

Barber, W. H., Company, Minneapolis, Minn. Gasoline, kerosene, fuel oil, petroleum distillate. 212,271; Apr. 27; Serial No. 222,775; published Jan. 12, 1926.

Barclay & Barclay, assignor to Barclay & Co., New York, N. Y. Medicinal soap. 50,535; renewed Mar. 20, 1926.

Barrett, John W., doing business as Barrett Produce Company, Stockton, Calif. Potatoes in their natural state. 212,265; Apr. 27; Serial No. 224,072; published Feb. 16, 1926.

Beach, James, & Sons, Dubuque, Iowa. Bath salts. 212,042; Apr. 27; Serial No. 223,993; published Feb. 9, 1926.

Bear Brand Hosiery Co. (See Paramount Knitting Co., assignor.)

Bear Mill Manufacturing Company, Inc., New York, N. Y. Short lengths of cotton, silk, woolen, or mixed material. 212,109; Apr. 27; Serial No. 224,374; published Feb. 9, 1926.

Beatrice Creamery Company, Chicago, Ill., and Topeka, Kans. Butter. 212,024; Apr. 27; Serial No. 222,777; published Feb. 9, 1926.

Beaver Products Company, Inc., The, Buffalo, N. Y. Plaster. 212,152; Apr. 27; Serial No. 205,731; published Feb. 2, 1926.

Bedwell & Hamilton, Wenatchee, Wash. Compound for treating pyorrhea. 212,158; Apr. 27; Serial No. 224,448; published Feb. 9, 1926.

Beldam Packing & Rubber Company Limited, The, London, England. Asbestos fiber and covering. 212,147; Apr. 27; Serial No. 215,963; published Jan. 19, 1926.

Benjamin, D. E., doing business as Deb Products Co., Chicago, Ill. Automobile and furniture polish. 212,146; Apr. 27; Serial No. 216,137; published Jan. 12, 1926.

Bernhardt, Max E., New York, N. Y. Cigar lighters. 212,026; Apr. 27; Serial No. 222,594; published Jan. 26, 1926.

Berry Growers Packing Co., The, Gresham, Oreg. Canned berries. 212,276; Apr. 27; Serial No. 199,668; published Feb. 16, 1926.

Best-Clymer Co., The, St. Louis, Mo. Jams, jellies, and fruit preserves. 212,273; Apr. 27; Serial No. 209,968; published Feb. 16, 1926.

Birk, Matthew R., New York, N. Y. Artificial candles and lighting fixtures other than electrical. 212,139; Apr. 27; Serial No. 218,040; published Jan. 26, 1926.

Blanchard, John H., doing business as Air Novelty Works, St. Louis, Mo. Novelty toy operated by blowing through a tube, causing a toy figure to rise and fall. 212,268; Apr. 27; Serial No. 223,682; published Feb. 16, 1926.

Blanke Baer Extract & Preserving Company, St. Louis, Mo. Jellies, jams, fruit butters, etc. 212,274; Apr. 27; Serial No. 209,154; published Feb. 16, 1926.

Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods manufactured in the piece. 212,290; Apr. 27; Serial No. 225,642; published Feb. 16, 1926.

Boon, W. J., & Company, Wormerveer, Netherlands. Chocolate confectionery for eating, drinking, and cooking. 212,173; Apr. 27; Serial No. 219,525; published Feb. 9, 1926.

Borden's Condensed Milk Co., Jersey City, N. J., and New York, assignor to The Borden Company, New York, N. Y. Milk, cream, and buttermilk. 55,233; renewed Aug. 7, 1926.
Boston Woven Hose & Rubber Company, Cambridge, Mass. Rubber mats and rubber matting. 212,043; Apr. 27; Serial No. 223,894; published Jan. 26, 1926.
Boynton, Fredc. G., assignor to I. S. Johnson & Co. Inc., Boston, Mass. Liniment. 49,993; renewed Feb. 27, 1926.
Boynton, Fredc. G., assignor to I. S. Johnson & Co. Inc., Boston, Mass. Purgative medicine. 49,994; renewed Feb. 27, 1926.
Boynton, Fredc. G., assignor to I. S. Johnson & Co. Inc., Boston, Mass. Condition powders. 55,593; renewed Aug. 21, 1926.
Boynton, Frederic G., assignor to I. S. Johnson & Co. Inc., Boston, Mass. Condition powders. 50,775; renewed Mar. 27, 1926.
Bradley, Milton, Company, Springfield, Mass. Game. 55,459; renewed Aug. 14, 1926.
Breese Engineering Corporation, Chicago, Ill. Station heaters, furnaces, burners, boilers, etc. 212,142; Apr. 27; Serial No. 219,166; published Jan. 12, 1926.
Bristol Patent Leather Company. (See Keystone Leather Co., assignor.)
British Portland Cement Manufacturers Limited, The. (See Johnson, I. C., & Co., assignors.)
Buckbee, H. W., Rockford Seed Farms, Forest City Greenhouses, Rockford, Ill. Seeds, bulbs, and plants. 212,090; Apr. 27; Serial No. 208,742; published Feb. 2, 1926.
Burnham, Ralph F., Company, Auburn, Me. Tonic and reconstructive. 212,342; Apr. 27.
Burton, J. P., Company, The, Cleveland, Ohio. Coal, carbonized fuel, and coke. 212,097; Apr. 27; Serial No. 222,062; published Jan. 13, 1926.
Cadwallader-Gibson Co., Inc., Los Angeles, Calif. Lumber. 212,065; Apr. 27; Serial No. 222,559; published Feb. 2, 1926.
Cadwallader-Gibson Co., Inc., Los Angeles, Calif. Lumber for panels and doors. 212,079–80; Apr. 27; Serial Nos. 222,560–1; published Feb. 2, 1926.
California Peach & Fig Growers Association, Fresno, Calif. Dried figs. 212,366; Apr. 27.
Caradine Hat Company, St. Louis, Mo. Men's hats. 212,165; Apr. 27; Serial No. 224,902; published Feb. 9, 1926.
Carborundum Company, The, Niagara Falls, N. Y. Refractory cements. 212,240; Apr. 27; Serial No. 223,281; published Jan. 19, 1926.
Cardettes Company. (See Wilson, Charles M.)
Carter, J. W., Company, doing business as Service Shoe Co. Boots and shoes. 212,125; Apr. 27; Serial No. 225,110; published Feb. 9, 1926.
Certified Products Company, Chicago, Ill. Hairdressing. 212,137; Apr. 27; Serial No. 207,653; published Feb. 9, 1926.
Chaney, Conrad M., Washington, D. C. Portable houses, knockdown sheds and garages. 212,072; Apr. 27; Serial No. 223,080; published Feb. 2, 1926.
Charters Manufacturing Co., Santa Cruz, Calif. Incubators and brooders. 212,145; Apr. 27; Serial No. 220,701; published Jan. 26, 1926.
Chic-Knit Distributing Co., Leesport, Pa. Misses' and ladies' one-piece dresses. 212,093; Apr. 27; Serial No. 205,196; published Feb. 9, 1926.
Christian-Able Company, Houston, Tex. Lubricating grease put up in bulk form. 212,037; Apr. 27; Serial No. 214,399; published Feb. 16, 1926.
Chrysler Sales Corporation, Detroit, Mich. Vehicle hub caps. 212,236; Apr. 27; Serial No. 223,686; published Jan. 19, 1926.
Citizens' Wholesale Supply Company, The, Columbus, Ohio. Hair restoratives and hair tonics. 55,666; renewed Aug. 21, 1926.
Citizens' Wholesale Supply Co., The, to The Citizens' Wholesale Supply Company, Columbus, Ohio. Toilet preparations. 55,809; renewed Aug. 21, 1926.
Clark, L. Yancey, doing business as Georgia Pine Turpentine Company, New York, N. Y. Pure gum turpentine, steam-distilled turpentine, etc. 212,246; Apr. 27; Serial No. 219,059; published Feb. 16, 1926.
Climax Hosiery Mills, Athens, Ga. Men's half hose. 212,327; Apr. 27; Serial No. 224,745; published Feb. 16, 1926.
Cohen, Otto J., New York, N. Y. Face powders, toilet waters, rouges, perfumes, etc. 212,164; Apr. 27; Serial No. 224,595; published Feb. 9, 1926.
Cohn-Hall-Marx Co., New York, N. Y. Cotton fabrics, mixtures of cotton and silk, etc. 212,105; Apr. 27; Serial No. 217,660; published Feb. 16, 1926.
Cohn-Hall-Marx Co., New York, N. Y. Drapery fabrics of cotton, wool, etc. 212,269; Apr. 27; Serial No. 223,621; published Feb. 16, 1926.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, cotton and silk, and silk piece goods and curtains made from the same. 212,354; Apr. 27.
Colorado Potato Grower's Exchange, Denver, Colo. Potatoes. 212,168; Apr. 27; Serial No. 221,409; published Feb. 9, 1926.
Colorado Potato Grower's Exchange, Denver, Colo. Potatoes. 212,206; Apr. 27; Serial No. 212,206; published Feb. 9, 1926.
Combustion Utilities Corporation, New York, N. Y. Generators, producers, and furnaces for making gas. 212,134–5; Apr. 27; Serial Nos. 205,151–2; published Jan. 12, 1926.
Commander Mill Company. (See Mapleton Milling Company, assignor.)
Conrad & Hoehne, Inc., New York, N. Y. Artists' relief paints. 212,287; Apr. 27; Serial No. 224,322; published Feb. 2, 1926.
Continental Oil Company, The, Denver, Colo. Gasoline, kerosene, lubricating oil and greases. 212,187; Apr. 27; Serial No. 223,083; published Jan. 12, 1926.
Cook, A. D., Incorporated, Lawrenceburg, Ind. Cup leathers and leather-packed plungers. 212,350; Apr. 27.
Cook, A. D., Incorporated, Lawrenceburg, Ind. Deep-well foot valves and strainers, tubular well points, spool valves, etc. 212,351; Apr. 27.
Corning Oil Company, Inc., New York, N. Y. Lubricating oils and greases. 212,063; Apr. 27; Serial No. 208,044; published Nov. 17, 1925.
Cudahy Packing Co., The, assignor to The Cudahy Packing Company, Chicago, Ill. Lard. 50,295; renewed Mar. 6, 1926.
Cudahy Packing Co., The, assignor to The Cudahy Packing Company, Chicago, Ill. Soap powder combined with mineral ingredients. 50,697; renewed Mar. 27, 1926.
Dante, Domenic, Chicago, Ill. Solution of soap in paste form. 212,341; Apr. 27.
Davega, Inc., New York, N. Y. Golf balls. 212,149; Apr. 27; Serial No. 210,116; published Feb. 16, 1926.
Davies-Strauss-Stauffer Company, Easton, Pa. Tea, cocoa, rice, tapioca, etc. 212,205; Apr. 27; Serial No. 221,354; published Feb. 9, 1926.
Dearborn Chemical Company, Chicago, Ill. Motor-lubricating oils. 212,129; Apr. 27; Serial No. 224,906; published Feb. 16, 1926.
Deb Products Co. (See Benjamin, D. E.)
Deerfoot Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 212,214; Apr. 27; Serial No. 224,600; published Feb. 9, 1926.
De Leon Bandeau Co., St. Louis, Mo. Hat-size reducers for ladies' hats. 212,235; Apr. 27; Serial No. 223,692; published Feb. 2, 1926.
Dennison, John M., New York, N. Y. Chemical heating bags. 212,328; Apr. 27; Serial No. 224,750; published Feb. 16, 1926.
De Vilbiss Manufacturing Company, The, to The De Vilbiss Manufacturing Co., Toledo, Ohio. Atomizers and powder blowers. 56,005; renewed Aug. 21, 1926.
Dickinson, Albert, Company, The, Chicago, Ill. Grass seeds. 212,245; Apr. 27; Serial No. 221,243; published Jan. 19, 1926.
Dill & Collins Co., Philadelphia, Pa. Papers. 55,343; renewed Aug. 14, 1926.
Dill & Collins Co., Philadelphia, Pa. Wrapping paper. 55,344; renewed Aug. 14, 1926.
Dritz-Traum Co., New York, N. Y. Powdered-glass beads without holes and crystalline beads. 212,078; Apr. 27; Serial No. 222,564; published Feb. 2, 1926.
Dunham Company, The, Beren, Ohio. Alloy of metals. 212,107; Apr. 27; Serial No. 224,961; published Feb. 16, 1926.
Durham Hosiery Mills, Durham, N. C. Hosiery. 212,249; Apr. 27; Serial No. 224,504; published Feb. 9, 1926.
Earl Fruit Company, San Francisco, Calif. Fresh deciduous fruits, citrous fruits, vegetables, and cantaloupes. 212,200; Apr. 27; Serial No. 220,647; published Feb. 9, 1926.
Eaton, Clara S., New York, N. Y. Belt fasteners. 55,496; renewed Aug. 14, 1926.
Eaton, Horace M., trustee, Lynn, Mass. Cord or ribbon binding. 212,027; Apr. 27; Serial No. 222,446; published Feb. 9, 1926.
Eby, Amos, & Company, Lancaster, Pa. Fertilizer and fertilizer materials. 212,307; Apr. 27; Serial No. 219,867; published Feb. 2, 1926.
Edelman, Ted, Inc., New York, N. Y. Women's wearing apparel. 212,255; Apr. 27; Serial No. 216,827; published Feb. 9, 1926.
Edge, William, & Sons Limited, Bolton, England. Dyes for treating fabrics. 55,725; renewed Aug. 21, 1926.
Edgett-Burnham Company. (See Wayne County Preserving Co.)
Endicott Johnson Corporation, Endicott, N. Y. Rubber soles and bottoms for shoes. 212,124; Apr. 27; Serial No. 225,084; published Feb. 9, 1926.
Esmond Mills, The, Esmond, Smithfield, R. I. Textile blankets and blanket material in the piece. 212,299; Apr. 27; Serial No. 225,876; published Feb. 16, 1926.
Fair Play Caramels, Inc., Johnson City, N. Y. Caramels. 212,310; Apr. 27; Serial No. 218,056; published Feb. 16, 1926.
Famous-Barr Co. (See May Department Stores Company.)
Federal Rubber Company of Illinois, The, Chicago, Ill., and Cudahy, Wis. Liquid insulating compound. 212,047; Apr. 27; Serial No. 223,226; published Feb. 2, 1926.
Feigenspan, Christian, Newark, N. J. Lager beer. 52,507; renewed May 8, 1926.
Felber Biscuit Company, The, Columbus, Ohio. Crackers. 212,111; Apr. 27; Serial No. 224,005; published Feb. 9, 1926.

Filippone, B., & Co., Passaic, N. J. Macaroni and cottonseed oil. 212,207; Apr. 27; Serial No. 224,701; published Feb. 9, 1926.
Fine & Levy Inc., New York, N. Y. Boys' hats. 212,039; Apr. 27; Serial No. 224,281; published Feb. 9, 1926.
Flatley, Joseph J., San Francisco, Calif. Canned fruits, fish, vegetables, etc. 212,291; Apr. 27; Serial No. 225,654; published Feb. 16, 1926.
Fleer, Frank H., and Company, Philadelphia, Pa., assignor, by mesne asignments, to American Chicle Company, Long Island City, N. Y. Chewing gum. 48,005; renewed Dec. 5, 1925.
Fleer, Frank H., & Company, Philadelphia, Pa., assignor, by mesne assignments, to American Chicle Company, Long Island City, N. Y. Chewing gum. 51,267; renewed Apr. 10, 1926.
Florence Manufacturing Company, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Hair, clothes, and hat brushes. 55,063; renewed Aug. 7, 1926.
Florence Manufacturing Company, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Toothbrushes. 55,064; renewed Aug. 7, 1926.
Foreman's Inc., Chicago, Ill. Men's suits. 212,250; Apr. 27; Serial No. 224,556; published Feb. 9, 1926.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 212,263; Apr. 27; Serial No. 224,377; published Feb. 16, 1926.
Foster, William A., jr., doing business as University Candy Co., Milwauke., Wis. Candy. 212,174; Apr. 27; Serial No. 219,584; published Feb. 9, 1926.
Frank Tea & Spice Co., The, Cincinnati, Ohio. Flavoring extracts for food purposes. 212,337; Apr. 27.
Franklin Simon & Co., Inc., New York, N. Y. Soaps. 212,339; Apr. 27.
Franklin Sweater Mills, Philadelphia, Pa. Bathing suits, trunks, and shirts, and sweater coats and vests. 212,247; Apr. 27; Serial No. 219,388; published Jan. 26, 1926.
Franklin Sweater Mills, Philadelphia, Pa. Bathing suits, trunks, shirts, etc. 212,253; Apr. 27; Serial No. 218,845; published Jan. 26, 1926.
Freydberg Bros., Inc., New York, N. Y. Backings for furs and fur pieces. 212,364; Apr. 27.
Fruit Products Co., of Florida, Eagle Lake, Fla. Canned grapefruit. 212,330; Apr. 27; Serial No. 225,088; published Feb. 16, 1926.
Garry & Company, Inc., New York, N. Y. Hairdressing. 212,112; Apr. 27. Serial No. 223,959; published Feb. 9, 1926.
General Oil Corporation, Birmingham, Ala. Motor fuel composed of a blend of benzol and gasoline. 212,054; Apr. 27. Serial No. 196,913; published Feb. 9, 1926.
General Trading Corporation, San Francisco, Calif. Tale, a dry paint. 212,186; Apr. 27; Serial No. 222,981; published Jan. 26, 1926.
George-Adams Company, Chillicothe, Mo. Chocolate and peanut candy. 212,062; Apr. 27; Serial No. 208,136; published Feb. 9, 1926.
Georgia Pine Turpentine Company. (See Clark, L. Yancey.)
Gerstendorfer Bros., assignor to Sapolin Co. Inc., New York, N. Y. Oil and varnish paints, enamels, varnishes, and wood stains. 51,988; renewed May 1, 1926.
Gerstendorfer Bros., assignor to Sapolin Co. Inc., New York, N. Y. Metallic water colors. 52,441; renewed May 8, 1926.
Guerlink, Louis H., East Cleveland, Ohio. Mixing arm and combustion nozzle for gas stoves and furnaces. 212,092; Apr. 27; Serial No. 187,738; published Jan. 19, 1926.
Gilpin, Langdon & Company, Incorporated, assignor to Gilpin, Langdon & Company, Incorporated, Baltimore, Md. Vermifuge. 55,607; renewed Aug. 21, 1926.
Gluvsilk Undergarment Co. Inc., New York, N. Y. Silk underwear and gloves of leather, rubber, fabric, or combinations thereof. 212,052; Apr. 27; Serial No. 201,084; published Feb. 9, 1926.
Golden State Asparagus Company, San Francisco, Calif. Canned asparagus. 212,058; Apr. 27; Serial No. 214,151; published Feb. 9, 1926.
Goodall Worsted Co., Sanford, Me., and New York, N. Y. Mohair piece goods and piece goods of combination of cotton, wool, mohair, alpaca, etc. 212,203; Apr. 27; Serial No. 220,896; published Feb. 9, 1926.
Goodrich, B. F., Company, The, New York, N. Y. Sheet-rubber coverings. 212,041; Apr. 27; Serial No. 224,017; published Jan. 26, 1926.
Gorham Mfg. Company, Providence, R. I. Leather purses and hand bags. 54,036; renewed June 19, 1926.
Gorham Mfg. Company, Providence, R. I. Umbrellas and parasols. 54,077; renewed June 19, 1926.
Gorham Mfg. Company, Providence, R. I. Plated silverware. 54,331; renewed June 26, 1926.
Gorham Mfg. Company, Providence, R. I. Leather writing sets and writing pads and leather-bound blotting pads. 54,597; renewed June 26, 1926.
Gorham Mfg. Company, Providence, R. I. Sterling and solid silver hollow ware, flatware, and tableware. 54,763; renewed June 26, 1926.
Gorham Mfg. Co., to Gorham Mfg. Company, Providence, R. I. Silver polish in liquid, powder, or paste form. 52,661; renewed May 15, 1926.
Grand Rapids Label Co. (See Seymour and Muir Printing Company.)
Grand View Heights Citrus Assn., Ultra and Terra Bella, Calif. Fresh citrous fruits. 212,303; Apr. 27; Serial No. 221,363; published Feb. 16, 1926.
Granite State Mowing Machine Co., Hinsdale, N. H. Lawn mowers and lawn trimmers. 212,353; Apr. 27.
Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamel. 212,194; Apr. 27; Serial No. 219,963; published Jan. 26, 1926.
Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamels. 212,323; Apr. 27; Serial No. 223,707; published Jan. 26, 1926.
Great Northern Fur Dyeing and Dressing Company. (See Pierini, Attilio.)
Griffin, Horatio M., Galt, Canada. Aromatic food preparations for animals. 53,484; renewed June 5, 1926.
Grubbs, John W., Co., The, Richmond, Ind. Canned corn, beans, tomatoes, prepared mustard, peanut butter, etc. 212,356; Apr. 27.
Gunther's, C. G., Sons, New York, N. Y. Manufactured furs for wearing apparel. 50,144; renewed Mar. 6, 1926.
Haas Brothers, San Francisco, Calif. Canned and fresh vegetables. 212,363; Apr. 27.
Haig & Haig Mfg. Co. Inc., Rochester, N. Y. Condensers used in electrical apparatus, and particularly radio outfits, apparatus, machines, and supplies. 212,133; Apr. 27; Serial No. 204,231; published Feb. 2, 1926.
Haines Manufacturing Corporation, Rochester, N. Y. Hardware. 212,358; Apr. 27.
Halladay, Clare E., Coffee Company, Battle Creek, Mich. Coffee and tea. 212,275; Apr. 27; Serial No. 205,478; published Feb. 16, 1926.
Halsey, George E., Inc., Chicago, Ill. Antiseptic disinfectant and deodorant compound. 212,312; Apr. 27; Serial No. 220,852; published Feb. 9, 1926.
Hamilton, Brown Shoe Company, St. Louis, Mo. Shoes. 212,127; Apr. 27; Serial No. 225,185; published Feb. 9, 1926.
Hanna, M. A., Coal & Dock Company, The, St. Paul, Minn. Bituminous coal. 212,244; Apr. 27; Serial No. 221,367; published Jan. 19, 1926.
Hanskat, Rose, doing business as Rosehan Company, Chicago, Ill. Women's undergarments. 212,231; Apr. 27; Serial No. 223,916; published Feb. 9, 1926.
Hansson, Elof, Gottenborg, Sweden. Matches. 212,195; Apr. 27; Serial No. 220,229; published Feb. 9, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Ammonia. 212,126; Apr. 27; Serial No. 224,402; published Feb. 9, 1926.
Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 212,224; Apr. 27; Serial No. 224,560; published Feb. 9, 1926.
Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 212,258; Apr. 27; Serial No. 224,559; published Feb. 16, 1926.
Hartung Brothers, New York, N. Y. Food-flavoring extracts and emulsions, etc. 212,189; Apr. 27; Serial No. 223,170; published Feb. 9, 1926.
Hawdos Corporation, The, Corning, N. Y. Shock absorbers. 212,313; Apr. 27; Serial No. 220,950; published Jan. 12, 1926.
Hecht Co., The, Washington, D. C., and also doing business as The Hub, Baltimore, Md., and Hecht Brothers, Baltimore, Md., and New York, N. Y. Misses' and girls' hats. 212,288; Apr. 27; Serial No. 218,804; published Sept. 29, 1925.
Hed-Lyte Company, The. (See Treadwell & Moore.)
Held, Frank, Tractor Co., The, Columbus, Ohio. Power cultivator. 212,176; Apr. 27; Serial No. 221,960; published Feb. 9, 1926.
Hermetite Corporation, New York, N. Y. Films consisting of a moisture and air proof composition. 212,029; Apr. 27; Serial No. 222,241; published Jan. 26, 1926.
Hermetite Corporation, New York, N. Y. Cotton and silk fabrics for use in raincoats, waterproof hats, etc. 212,030; Apr. 27; Serial No. 222,238; published Jan. 26, 1926.
Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, to Herring-Hall-Marvin Safe Company, New York, N. Y. Safes. 56,278–9; renewed Sept. 4, 1926.
Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, to Herring-Hall-Marvin Safe Company, New York, N. Y. Safes. 56,287; renewed Sept. 4, 1926.
Hessenbruch, Hermann, to H. Hessenbruch Company, Philadelphia, Pa., successor. Razors. 53,659; renewed June 12, 1926.
Heustis, Bertha L., Harvard, Ill. Toy animals. 212,031; Apr. 27; Serial No. 221,831; published Feb. 16, 1926.
Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 55,071; renewed Aug. 7, 1926.
Heywood Boot & Shoe Company, Worcester, Mass. Leather shoes. 55,309; renewed Aug. 14, 1926.
Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 55,310; renewed Aug. 14, 1926.
Hick, Hick & Bannatyne, Brentwood, England. Plastic composition. 212,241; Apr. 27; Serial No. 221,896; published Jan. 12, 1926.
Hinton, Melvin M. (See Treadwell & Moore, assignors.)
Hoenigsberger, A., Chicago, Ill. Textile fabrics in the piece made of silk, etc. 212,300; Apr. 27; Serial No. 221,745; published Feb. 16, 1926.

Hofmeister, G. E., doing business as Hygrade Seed Co., Tuckahoe, N. Y. Flower, vegetable, lawn, and field seeds. 212,335; Apr. 27.

Horwood, Edward H., assignor to E. H. Horwood Co., Hoboken, N. J., and New York, N. Y. Underwaists. 53,552; renewed June 5, 1926.

Houbigant, Inc., New York, N. Y. Perfume. 212,138; Apr. 27; Serial No. 210,556; published Feb. 9, 1926.

Hoyt, Joseph M., to Standard Crayon Manufacturing Co., Danvers, Mass., successors. Checking crayons, school and marking caryons. 53,422; renewed June 5, 1926.

Hub, The. (See Hecht Co., The.)

Hunt, Edgar W., doing business as E. W. Hunt Candy Co., Framingham, Mass. Confection made from pop corn, coconut, and sirup. 212,243; Apr. 27; Serial No. 222,568; published Feb. 16, 1926.

Hygrade Seed Co. (See Hofmeister, G. E.)

Ideal Tooth Incorporated, Cambridge, Mass. Artificial teeth. 212,108; Apr. 27; Serial No. 224,914; published Feb. 2, 1926.

Independent Trunk & Bag Co., Petersburg, Va. Trunks, bags, and suitcases. 212,188; Apr. 27; Serial No. 223,092; published Feb. 9, 1926.

Indiana Lamp Corporation, Connersville, Ind. Lens for automobile lamps. 212,171; Apr. 27; Serial No. 219,280; published Feb. 16, 1926.

Ink-Out Manufacturing Co., Inc., The, Montclair, N. J. Fluid ink eradicator. 212,229; Apr. 27; Serial No. 224,092; published Feb. 9, 1926.

Inland Chemical Co., to Inland Chemical Company, Indianapolis, Ind. Alteratives. 49,567; renewed Feb. 13, 1926.

International Agricultural Corporation, New York, N. Y. Tablets of fertilizing material. 212,106; Apr. 27; Serial No. 224,972; published Feb. 2, 1926.

International Stock Food Company. (See Savage, Marion W.)

Iroquois Brewing Co., assignor to Iroquois Beverage Corporation, Buffalo, N. Y. Lager beer. 55,875; renewed Aug. 21, 1926.

Irvine, Geo. H., doing business as Sno-Flake Products Company, Detroit, Mich. Automobile and furniture polish. 212,155; Apr. 27; Serial No. 203,821; published Jan. 19, 1926.

Jackson, Lars, doing business as The Lars Jackson Co., Brooklyn, N. Y. Concrete and cement floor hardener. 212,040; Apr. 27; Serial No. 224,094; published Feb. 2, 1926.

Janitors' Supply House, Inc., Baltimore, Md. Disinfectant or deodorant compound. 212,089; Apr. 27; Serial No. 209,793; published Feb. 9, 1926.

Johns-Manville, Incorporated, New York, N. Y. Heat-insulating materials for buildings. 212,154; Apr. 27; Serial No. 205,483; published Jan. 19, 1926.

Johnson, I. C., & Co., assignor to The British Portland Cement Manufacturers Limited, London, England. Portland cement. 54,785; renewed July 31, 1926.

Johnson, I. S., & Co. Inc. (See Boynton, Fredc. G., assignor.)

Johnson, Kingfisher, Fairbury, Nebr. Fish bait. 212,150; Apr. 27; Serial No. 206,410; published Feb. 16, 1926.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Paints, paint enamels, thinner, lacquer, primer, etc. 212,248; Apr. 27; Serial No. 224,336; published Feb. 2, 1926.

Kalb Shoe Mfg. Co., Inc., Rochester, N. Y. Shoes. 212,166; Apr. 27; Serial No. 224,916; published Feb. 9, 1926.

Kansas City Macaroni & Importing Co., doing business as American Beauty Macaroni Co., Kansas City, Mo. Ready-cut macaroni. 212,208; Apr. 27; Serial No. 224,711; published Feb. 9, 1926.

Kastor, Adolph, & Bros., New York, N. Y. Razors and knives. 54,356; renewed June 26, 1926.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Inlaid, printed, felt-base, etc., linoleum. 212,343; Apr. 27.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Children's toys, games, miniature household furniture, etc. 212,344; Apr. 27.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Brown earthenware bowls for egg-beater combinations, earthen dinner ware, crockery jars and jugs, etc. 212,345; Apr. 27.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Goods in the piece, carpets and matting. 212,346; Apr. 27.

Kay and Ess Co., The, Dayton, Ohio. Paint oils. 55,001; renewed Aug. 7, 1926.

Kay and Ess Co., The, Dayton, Ohio. Mixed paints. 55,002; renewed Aug. 7, 1926.

Kazes, George, Sioux City, Iowa. Cigarette papers. 212,130; Apr. 27; Serial No. 225,228; published Feb. 16, 1926.

Keen, Robinson & Company Limited, London, England. Barley. 212,088; Apr. 27; Serial No. 210,125; published Feb. 9, 1926.

Keenan, C. W., Inc., Brooklyn, N. Y. Roofing cement. 212,144; Apr. 27; Serial No. 220,610; published Jan. 12, 1926.

Kellom, Charles F., Philadelphia, Pa. Lubricating oils and grease. 53,727; renewed June 12, 1926.

Kennedy, E. N., Incorporated, New York, N. Y. Dress-suit cases, bags, trunks, and dressing cases. 212,281; Apr. 27; Serial No. 223,921; published Feb. 9, 1926.

Keystone Forging Company, Northumberland, Pa. Casters. 212,359; Apr. 27.

Keystone Leather Co., assignor to Bristol Patent Leather Company, Philadelphia, Pa. Patent leather. 55,688; renewed Aug. 21, 1926.

Kimball, W. W., Chicago, Ill. Organs. 55,340; renewed Aug. 14, 1926.

Klinker Manufacturing Co., The., doing business as Peggy Page Laboratories, Cleveland, Ohio. Perfume, toilet water, hair tonic, shampoo, paste rouge, etc. 212,336; Apr. 27.

Kloster Steel Corporation, Chicago, Ill. Iron. 212,096; Apr. 27; Serial No. 222,326; published Feb. 9, 1926.

Kny-Scheerer Company, The, Brooklyn, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Certain named toilet preparations. 51,326; renewed Apr. 10, 1926.

Kranz, Florence M., doing business as John Kranz, Chicago, Ill. Candies. 212,177; Apr. 27; Serial No. 222,076; published Feb. 9, 1926.

Kraus Keystone Products Corporation, New York, N. Y. Ornamental architectural figures and ornaments made of stone, etc. 212,077; Apr. 27; Serial No. 222,749; published Jan. 26, 1926.

Kreuter-Fraasen Co., Grand Rapids, Mich. Varnish and paint enamel products. 212,201; Apr. 27; Serial No. 220,730; published Jan. 26, 1926.

Kurtz, H. K., & Co. Inc., New York, N. Y. Cotton and cotton and silk mixture piece goods. 212,226; Apr. 27; Serial No. 224,339; published Feb. 2, 1926.

Laila, John F., Company, Chicago, Ill. Canned goods. 212,259; Apr. 27; Serial No. 224,519; published Feb. 16, 1926.

Larabee Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 212,198–9; Apr. 27; Serial Nos. 220,545–6; published Feb. 9, 1926.

Leaf, Philip A., doing business as Leaf & Company, Chicago, Ill. Garments. 212,192; Apr. 27; Serial No. 223,392; published Feb. 9, 1926.

Lesher, Whitman & Co., Inc., New York, N. Y. Piece goods. 212,180; Apr. 27; Serial No. 222,467; published Feb. 9, 1926.

Levine & Jaffe, New York, N. Y. Cravats. 212,329; Apr. 27; Serial No. 224,873; published Feb. 16, 1926.

Lewis, G. B., Company, Watertown, Wis. Wooden bee-keepers' supplies. 212,141; Apr. 27; Serial No. 218,924; published Feb. 9, 1926.

Lichtenstein's, L., Sons, Richmond, Va. Linen thread. 53,252; renewed May 29, 1926.

Locke, Alfred T., Chicago, Ill. Fuel oils and lubricating oils. 212,251; Apr. 27; Serial No. 224,567; published Feb. 9, 1926.

Lorain Coal and Dock Company, The, Columbus, Ohio. Coal. 212,076; Apr. 27; Serial No. 222,855; published Jan. 12, 1926.

Lorber, Charles, Louisville, Ky. Key pouches, cases, or containers. 212,282; Apr. 27; Serial No. 224,029; published Feb. 9, 1926.

Lowe Ranch. (See O'Keefe, John F.)

Lufkin Rule Co., Saginaw, Mich. Folding rules. 212,178; Apr. 27; Serial No. 222,262; published Feb. 9, 1926.

Lyons, S. E., Lumber Company, Shreveport, La. Lumber. 212,151; Apr. 27; Serial No. 206,246; published Jan. 26, 1926.

Mabley and Carew Co., The, Cincinnati, Ohio. Hats. 212,143; Apr. 27; Serial No. 219,750; published Feb. 9, 1926.

Magda Laboratories, Memphis, Tenn. Laxative compound. 212,159; Apr. 27; Serial No. 224,466; published Feb. 9, 1926.

Magill, Samuel N., Inc., Philadelphia, Pa. Silk fabric. 212,131; Apr. 27; Serial No. 225,367; published Feb. 9, 1926.

Mallory Hat Company, The, Danbury, Conn. Hats. 212,132; Apr. 27; Serial No. 199,374; published Feb. 9, 1926.

Manheim, Armin, doing business as A. Manheim & Co., New York, N. Y. Ladies' and cildren's silk underwear. 212,257; Apr. 27; Serial No. 224,568; published Feb. 9, 1926.

Mansure, E. L., Company, Chicago, Ill. Fringes, braids, galloons, cords, etc. 212,102; Apr. 27; Serial No. 219,974; published Feb. 9, 1926.

Mapleton Milling Company, town of Mapleton, Blue Earth, assignor to Commander Mill Company, Minneapolis, Minn. Wheat flour. 49,531; renewed Feb. 6, 1926.

Marbleloid Company, The, New York, N. Y. Construction materials. 212,075; Apr. 27; Serial No. 222,933; published Feb. 2, 1926.

Marbleloid Company, The, New York, N. Y. Art plaques and statuary. 212,115; Apr. 27; Serial No. 222,932; published Feb. 2, 1926.

Marshall Field & Company, Chicago, Ill. Underhose. 212,034; Apr. 27; Serial No. 216,523; published Feb. 9, 1926.

Massachusetts Association for Promoting the Interests of the Adult Blind, Boston, assignor, by mesne assignments, to Grace T. Nixon, administratrix of Frederick W. Pendergast, deceased, Cambridge, Mass. Mops, mop heads, and mop parts. 55,857; renewed Aug. 21, 1926.

May Department Stores Company, The, doing business as Famous-Barr Co., St. Louis, Mo. Tartar sauce, mayonnaise dressing, and Thousand Island dressing. 212,136; Apr. 27; Serial No. 205,540; published Feb. 9, 1926.

McCabe & Schoenholz, Inc., New York, N. Y. Leather pocketbooks. 212,280; Apr. 27; Serial No. 223,856; published Feb. 9, 1926.

McCray Refrigerator Co., to McCray Refrigerator Company, Kendanville, Ind. Refrigerators. 52,105; renewed May 1, 1926.

McGuire, John C., Detroit, Mich. Castings; also rolled and hammered bars and forgings of carbon and alloy steels. 212,122; Apr. 27; Serial No. 225,128; published Feb. 16, 1926.

McIntyre, Alexander, Jasper, Ala. Coal. 212,074; Apr. 27; Serial No. 223,046; published Jan. 12, 1926.

McKesson & Robbins, New York, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., successor. Pharmacentical preparations for the treatment of kidney diseases. 50,752; renewed Mar. 27, 1926.

McKesson & Robbins, New York, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., successor. Chemical preparation. 50,983; renewed Apr. 3, 1926.

McKesson & Robbins, New York, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., successor. Chemical preparations. 52,729; renewed May 15, 1926.

McKesson & Robbins, New York, to McKesson & Robbins, Incorporated, Brooklyn, N. Y., successor. Laxative remedy. 53,930; renewed June 12, 1926.

Merchants Coffee Co., assignor to The Merchants Coffee Company, Baltimore, Md. Roasted coffee. 55,183; renewed Aug. 7, 1926.

Metz, Edward J., Reading, Pa. Potato flakes. 212,117; Apr. 27; Serial No. 222,389; published Feb. 16, 1926.

Miles, Dr., Medical Co., The, assignor to The Dr. Miles Medical Co., Elkhart, Ind. Analgesic and sedative. 54,274; renewed June 26, 1926.

Miller Lock Company, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locks, padlocks, and keys. 56,310–12; renewed Sept. 11, 1926.

Mills Novelty Co., Chicago, Ill. Coin-operated vending machines. 56,172; renewed Aug. 28, 1926.

Moras, Edmond R., Chicago, to Edmond R. Moras, Highland Park, Ill. Medicine. 53,931; renewed June 12, 1926.

Morrell, John, & Company, Limited, assignor to John Morrell & Co., Ottumwa, Iowa. Bacon and hams. 52,211; renewed May 1, 1926.

Morrell, John, & Co., Ottumwa, Iowa. Lard, shortening, and sausage. 212,191; Apr. 27; Serial No. 223,251; published Feb. 9, 1926.

Mussehl, Frederick W., Toledo, Ohio. Automobile heaters. 212,048; Apr. 27; Serial No. 223,048; published Jan. 12, 1926.

Nathan, Martin, Co., Inc., New York, N. Y. Silk waste and artificial-silk waste. 212,230; Apr. 27; Serial No. 223,932; published Feb. 2, 1926.

National Fish Co. Ltd., Halifax, Nova Scotia, Canada. Fresh and cured fish. 212,160; Apr. 27; Serial No. 218,988; published Feb. 16, 1926.

National Surfo Burner Corporation, Buffalo, N. Y. Oil burners. 212,314; Apr. 27; Serial No. 221,765; published Jan. 19, 1926.

Nebraska Consolidated Mills Company, doing business as Ravenna Mills, Omaha, Nebr. Wheat flour. 212,223; Apr. 27; Serial No. 224,614; published Feb. 9, 1926.

Neuss, Hesslein & Co., assignor to Neuss, Hesslein & Co. Inc., New York, N. Y. Bleached, gray, printed, and fancy damasks. 53,892; renewed June 12, 1926.

New England Brewing Co., Boston, Mass. Malt wine. 54,116; renewed June 19, 1926.

New Orleans Import Co. Ltd., New Orleans, La. Teas. 55,184; renewed Aug. 7, 1926.

Newport Rolling Mill Co., Newport, Ky. Corrugated metal sheets and plain metal sheets. 212,103; Apr. 27; Serial No. 219,844; published Feb. 9, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 50,073; renewed Mar. 6, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,014–18; renewed May 1, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,491; renewed May 8, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,552; renewed May 15, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,554; renewed May 15, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,556; renewed May 15, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 52,558–9; renewed May 15, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 53,131; renewed May 29, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 53,406; renewed June 5, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 53,427; renewed June 5, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 54,451–2; renewed June 26, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 55,508; renewed Aug. 14, 1926.

New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 55,509; renewed Aug. 14, 1926.

New York Consolidated Card Company, The, New York, to The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 50,106–8; renewed Mar. 6, 1926.

New York Consolidated Card Company, The, New York, to The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 50,110; renewed Mar. 6, 1926.

New York Consolidated Card Company, The, New York, to The New York Consolidated Card Company, Long Island City, N. Y. Playing cards. 50,112; renewed Mar. 6, 1926.

Nickerson, L. C., Denver, Colo., to Harriet E. Nickerson, Glendale, Calif., successor. Ointment. 51,940; renewed Apr. 24, 1926.

Nitrate Agencies Company, New York, N. Y. Fertilizer. 212,242; Apr. 27; Serial No. 222,273; published Feb. 9, 1926.

Nixon, Grace T., administratrix. (See Massachusetts Association for Promoting the Interests of the Adult Blind, assignor.)

Nocera, John, doing business as Novelty Bottling Works, Waltham, Mass. Beverages sold as soft drinks. 212,285; Apr. 27; Serial No. 224,259; published Feb. 16, 1926.

Noflat Company, Inc., The, New York, N. Y. Deflector shield for automobile headlights. 212,100; Apr. 27; Serial No. 221,560; published Jan. 19, 1926.

Norma Chocolate Co. Inc., Brooklyn, N. Y. Candy article. 212,293; Apr. 27; Serial No. 225,727; published Feb. 16, 1926.

Novelty Bottling Works. (See Nocera, John, assignor.)

Nuodex Products Co., Inc., New York, N. Y. Device having the properties of repelling and exterminating moths, other insects, and rodents and of deodorizing, fumigating, etc. 212,038; Apr. 27; Serial No. 224,346; published Feb. 9, 1926.

Oaras Aprons, Inc., Chicago, Ill. Aprons and dresses. 212,286; Apr. 27; Serial No. 224,290; published Feb. 9, 1926.

O'Keefe, John F., doing business as Lowe Ranch, Cupertino, Calif. Seeds. 212,233; Apr. 27; Serial No. 223,800; published Jan. 19, 1926.

Okonite Company, Limited, The, New York, N. Y., assignor to The Okonite Company, Passaic, N. J. Rubber insulating compound. 50,139; renewed Mar. 6, 1926.

Pacific Coast Biscuit Company, The, Seattle, Wash. Crackers. 212,098; Apr. 27; Serial No. 222,043; published Feb. 9, 1926.

Pacific Portland Cement Co., assignor to Pacific Portland Cement Company, Consolidated, San Francisco, Calif. Portland cement. 54,476; renewed June 26, 1926.

Packard Motor Car Company, Detroit, Mich. Automobiles and constructive parts thereof. 212,073; Apr. 27; Serial No. 223,049; published Feb. 2, 1925.

Page Coffee Company, St. Joseph, Mo. Coffee. 212,294–5; Apr. 27; Serial Nos. 225,728–9; published Feb. 16, 1926.

Paramount Knitting Co., assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 56,142; renewed Aug. 28, 1926.

Paramount Knitting Co., assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 56,144–5; renewed Aug. 28, 1926.

Pardee Brothers & Company, Incorporated, Philadelphia, Pa. Coal. 212,049; Apr. 27; Serial No. 222,791; published Feb. 2, 1926.

Pardee, C., Works, The, Perth Amboy, N. J., and Philadelphia, Pa. Floor tiles, wall tiles, tile door frames, etc. 212,183; Apr. 27; Serial No. 222,793; published Jan. 19, 1926.

Parker, Stearns & Company, Brooklyn, N. Y. Babies' rubber pants or bloomers. 212,215; Apr. 27; Serial No. 224,616; published Feb. 9, 1926.

Parloc Service Corporation, New York, N. Y. Locks and parcel lockers. 212,252; Apr. 27; Serial No. 222,393; published Feb. 9, 1926.

Pearson, Victor E., Chicago, Ill. Sleds. 212,227; Apr. 27; Serial No. 224,291; published Feb. 16, 1926.

Peerless Products Co., Los Angeles, Calif. Wax and liquid polish. 212,193; Apr. 27; Serial No. 223,403; published Jan. 26, 1926.

Peggy Page Laboratories. (See Klinker Manufacturing Co.)

Pendergast, Frederick W. (deceased). (See Massachusetts Association for Promoting the Interests of the Adult Blind.)

Pendleton Woolen Mills, Portland, Oreg. Textile blankets. 212,278; Apr. 27; Serial No. 223,742; published Feb. 9, 1926.

Pennsylvania Piston Ring Company, Cleveland, Ohio. Piston and packing rings. 212,277; Apr. 27; Serial No. 146,732; published Sept. 12, 1922.

Perin-Walsh Company, Roxbury, Boston, Mass. Receptacles used in shipping goods, wares, etc. 212,101; Apr. 27; Serial No. 220,617; published Dec. 29, 1925.
Perry Knitting Company, The, Perry, N. Y. Boys' and men's sweaters. 212,279; Apr. 27; Serial No. 223,801; published Feb. 9, 1926.
Peterson, Theodore R. (See Banner Cigar Mfg. Co.)
Piedmont Mfg. Co., Piedmont, S. C. Cotton sheetings and drillings. 55,950; renewed Aug. 21, 1926.
Piedmont Virginia Fruit Growers Association, Incorporated, Charlottesville, Va. Apples and peaches in their natural state. 212,357; Apr. 27.
Pierini, Attilio, doing business as Great Northern Fur Dyeing and Dressing Company, Springfield Gardens, N. Y. Skins and pelts. 212,148; Apr. 27; Serial No. 213,042; published Nov. 17, 1925.
Pioneer Paper Company, Los Angles, Calif. Rolled roofing and asphalt and slate surfaced shingles. 212,064; Apr. 27; Serial No. 224,353; published Feb. 2, 1926.
Pioneer Paper Company, Los Angeles, Calif. Rock-surfaced asphalt shingles. 212,225; Apr. 27; Serial No. 224,357; published Feb. 2, 1926.
Poetsch, Walter R., Chicago, Ill. Ventilators. 212,046; Apr. 27; Serial No. 223,486; published Jan. 19, 1926.
Porter, Jno. K., doing business as U-Auto Camp Co., Scranton, Pa. Umbrella tents, wall tents, camp stakes, etc. 212,044; Apr. 27; Serial No. 223,743; published Jan. 19, 1926.
Portland Packing Co. Portland, Me. Canned corn. 56,298; renewed Sept. 4, 1926.
Potter Drug & Chemical Corporation Portland, Me., and Boston, Mass. Pills. 55,708; renewed Aug. 21, 1926.
Powers, Friend & Lichtman, New York, N. Y. Fringes and art needlework. 212,237–8; Apr. 27; Serial Nos. 223,601–2; published Feb. 2, 1926.
Pratt & Lambert, Inc., Buffalo, N. Y. Primer, surfacer, glazing putty, lacquer polish, etc. 212,182; Apr. 27; Serial No. 222,632; published Feb. 2, 1926.
Pray, Dr. J. Parker, Company, Limited, assignor to J. Parker Pray, Inc., New York, N. Y. Certain-named toilet preparations. 54,971; renewed Aug. 7, 1926.
Pressner, M., & Company, New York, N. Y. Toy wagons. 212,055; Apr. 27; Serial No. 196,316; published Mar. 24, 1925.
Progress Paint Mfg. Co., Louisville, Ky. Ready-mixed paints, wagon, roof, barn, and floor paint, varnish stains, etc. 212,365; Apr. 27.
Progressive Musical Instrument Corporation, New York, N. Y. Rosin. 212,239; Apr. 27; Serial No. 223,328; published Jan. 19, 1926.
Pro-phy-lac-tic Brush Company. (See Florence Manufacturing Company, assignor.)
Purington, William A., doing business as W. A. Purington & Co., Dover-Foxcroft, Me. Medicinal preparation for use as a gargle, etc. 212,162; Apr. 27; Serial No. 224,531; published Feb. 9, 1926.
Puritest Silk Hosiery Corporation, Buffalo, N. Y. 212,256; Apr. 27; Serial No. 224,620; published Feb. 9, 1926.
Putnam, Robert E., New Iberia, La. Rice. 212,202; Apr. 27; Serial No. 220,867; published Feb. 9, 1926.
Quaker Products Company, Philadelphia, Pa. Water-soluble cleansing powder. 212,349; Apr. 27.
Railway Equipment & Publication Co., The, New York, N. Y. Serial publications. 54,856; renewed July 31, 1926.
Ralston Purina Company, St. Louis, Mo. Chinaware bowls. 212,059; Apr. 27; Serial No. 211,491; published Feb. 9, 1926.
Rat, Ernest, Lyon, France. Varicose stockings. 212,110; Apr. 27; Serial No. 224,049; published Feb. 2, 1926.
Ravenna Mills. (See Nebraska Consolidated Mills Company.)
Reading Paper Mills, Reading, Pa. Book papers. 212,332–3; Apr. 27.
Reasoner Brothers' Royal Palm Nurseries, Oneco, Fla. Ornamental plants, trees, and flowers. 212,085; Apr. 27; Serial No. 215,023; published Jan. 19, 1926.
Reed, George Russell, Company, San Francisco, Calif. Roller composition for printing press. 212,053; Apr. 27; Serial No. 198,030; published Dec. 15, 1925.
Reed Manufacturing Co., Newark, N. Y. Bedpans, urinals, basins, and irrigators. 212,121; Apr. 27; Serial No. 225,283; published Feb. 16, 1926.
Reed Manufacturing Co., Newark, N. Y. Culinary, household, and dairy utensils. 212,220; Apr. 27; Serial No. 225,281; published Feb. 16, 1926.
Reed Manufacturing Co., Newark, N. Y. Metal culinary, household, and dairy utensils. 212,221; Apr. 27; Serial No. 225,279; published Feb. 16, 1926.
Reisman, Adolph, New York, N. Y. Precut bread. 212,216; Apr. 27; Serial No. 224,625; published Feb. 9, 1926.
Reliable Flour Company, Boston, Mass. Flour. 56,083; renewed Aug. 21, 1926.
Reynolds, Clarence D., Whittier, Calif. Liquid rouge for face and lips. 212,160; Apr. 27; Serial No. 224,473; published Feb. 9, 1926.
Rialto Heights Association, Rialto, Calif. Oranges and lemons. 212,331; Apr. 27; Serial No. 225,523; published Feb. 16, 1926.
Rigo Manufacturing Company, doing business as Rigo Chemical Co., Nashville, Tenn. Lubricating oils. 212,190; Apr. 27; Serial No. 223,190; published Jan. 19, 1926.
Ritter, W. M., Lumber Company, Columbus, Ohio. Lumber and flooring. 212,069–70; Apr. 27; Serial Nos. 223,192–3; published Feb. 2, 1926.
Rockgas Products Company, Wilmington, Del., and Cornopolis, Pa. Liquid hydrocarbon. 212,030; Apr. 27; Serial No. 215,024; published Feb. 2, 1926.
Rogers Fibre Company, Boston, Mass. Counters for shoes. 212,254; Apr. 27; Serial No. 218,500; published Oct. 6, 1925.
Rosehan Company. (See Hanskat, Rose.)
Rosenthal, Lazarus, Pittsburgh, Pa. Foot and arch supports. 212,348; Apr. 27.
Ruschhaupt Bros., Fresno, assignor to Western Soap and Chemical Co., Los Angeles, Calif. Washing powder. 54,795; renewed July 31, 1926.
Russo, Frank, Chicago, Ill. Face cream. 212,228; Apr. 27; Serial No. 224,207; published Feb. 16, 1926.
Ryan, William J., Chicago, Ill. Pastry and confection designers. 212,197; Apr. 27; Serial No. 220,474; published Feb. 9, 1926.
Salvo & Berdon Candy Co., Natchez, Miss. Candy. 212,304; Apr. 27; Serial No. 221,282; published Feb. 16, 1926.
Sand's Level & Tool Co., Detroit, Mich. Plasterers' hawks. 212,184; Apr. 27; Serial No. 222,946; published Feb. 9, 1926.
Sand's Level & Tool Co., Detroit, Mich. Darbies. 212,284; Apr. 27; Serial No. 224,154; published Feb. 9, 1926.
Santaella, A., & Co., Chicago, Ill., assignor, by mesne assignments, to A. Santaella & Co. Inc., New York, N. Y., and Tampa and Key West, Fla. Cigars. 51,391–3; renewed Apr. 17, 1926.
Sapolin Co. Inc. (See Gerstendorfer Bros., assignor.)
Savage, Marion W., to International Stock Food Company, Minneapolis, Minn., successor. Stock food. 50,447; renewed Mar. 20, 1926.
Savage, Marion W., to International Stock Food Company, Minneapolis, Minn., successor. Healing pine oil. 50,946; renewed Apr. 3, 1926.
Savage, Marion W., to International Stock Food Company, Minneapolis, Minn., successor. Poultry food. 51,388; renewed Apr. 17, 1926.
Schele, Arnold J., Cle Elum, Wash. Body deodorant. 212,163; Apr. 27; Serial No. 224,534; published Feb. 9, 1926.
Schicht, Georg, A. G., Aussig-on-the-Elbe, Czechoslovakia. Lubricating and rust-protecting oils and greases, etc. 212,325; Apr. 27; Serial No. 214,623; published Jan. 26, 1926.
Schroyer, Franklin, Hutchinson, Kans. Fuel-oil burners and stoves. 212,028; Apr. 27; Serial No. 222,344; published Jan. 19, 1926.
Schulten, Jno. J., and Co., Louisville, Ky. Leather boots and shoes. 50,343; renewed Mar. 13, 1926.
Sebastian-Stuart Fish Co., Seattle, Wash. Canned salmon. 212,272; Apr. 27; Serial No. 214,097; published Feb. 16, 1926.
Security Manufacturing Company, Los Angeles, Calif. Carburizing compound. 212,157; Apr. 27; Serial No. 224,426; published Feb. 9, 1926.
Seeman Brothers, Inc., New York, N. Y. Tea. 212,296; Apr. 27; Serial No. 225,742; published Feb. 16, 1926.
Selby Smelting & Lead Company, San Francisco, Calif., to American Smelting and Refining Company, New York, N. Y., successor. Shot. 52,629; renewed May 15, 1926.
Selby Smelting & Lead Company, San Francisco, Calif., to American Smelting and Refining Company, New York, N. Y., successor. Solder, babbitt, or other antifrictional metal. 52,630; renewed May 15, 1926.
Selby Smelting & Lead Company, San Francisco, Calif., to American Smelting and Refining Company, New York, N. Y., successor. Lead traps and bends. 52,631; renewed May 15, 1926.
Sellmore Dress Company, Inc., New York, N. Y. Ladies', misses', and children's dresses and blouses. 212,051; Apr. 27; Serial No. 201,470; published Nov. 25, 1924.
Seneca, Stephen J., assignor to Charles B. Silver, Havre de Grace, Md. Canned vegetables and fruits. 50,291; renewed Mar. 6, 1926.
Sentry Keyhole Lock Company, San Francisco, Calif. Keyhole locks. 212,118; Apr. 27; Serial No. 222,345; published Feb. 2, 1926.
Seymour and Muir Printing Company, doing business as Grand Rapids Label Co., Grand Rapids, Mich. Card game. 212,283; Apr. 27; Serial No. 224,058; published Feb. 16, 1926.
Shelby Cycle Company, Shelby, Ohio. Bicycles. 212,167; Apr. 27; Serial No. 224,934; published Feb. 2, 1926.
Shriver Oil Company, Baltimore, Md. Gasoline, blended gasoline, and hydrocarbon motor fuels. 212,315–16; Apr. 27; Serial Nos. 221,854–5; published Feb. 2, 1926.
Silver, Charles B. (See Seneca, Stephen J., assignor.)
Simmons Hardware Company, St. Louis, Mo. Planers and plane irons. 53,685; renewed June 12, 1926.
Sinagnan, Frances, & Cie., New York, N. Y. Chocolate and candy. 212,352; Apr 27.
Skayef Ball Bearing Company, The, Hartford, Conn. Ball bearings, rings, washers, etc. 212,212; Apr. 27; Serial No. 224,833; published Feb. 9, 1926.
Sno-Flake Products Company. (See Irvine, Geo. H.)

Société des Forces Motrices de la Vallee d'Aspe, Paris, France. Aluminous crystallized abrasive in the raw state. 212,179; Apr. 27; Serial No. 222,348; published Jan. 12, 1926.
Société d'Exploitation de Brevets et d'Applications Industrielles, Nancy, France. Devices for determining the elastic and other properties of dough and other materials. 212,175; Apr. 27; Serial No. 221,458; published Feb. 9, 1926.
Sommer, George, Doylestown, Pa. Butter. 212,113; Apr. 27; Serial No. 223,665; published Feb. 9, 1926.
Speck, Marshall & Co., to Speck-Marshall Company, Pittsburgh, Pa. Rubber hose. 52,821; renewed May 15, 1926.
Sperry Flour Company, San Francisco, Calif. Wheat flour. 212,217; Apr. 27; Serial No. 224,628; published Feb. 9, 1926.
Sprague, Warner & Company, Chicago, Ill. Flavoring extracts. 52,112; renewed May 1, 1926.
Sprague, Warner & Company, Chicago, Ill. Baking powder. 52,185; renewed May 1, 1926.
Sprague, Warner & Company, Chicago, Ill. Spices. 52,186; renewed May 1, 1926.
Sprague, Warner & Company, Chicago, Ill. Sirup. 52,187; renewed May 1, 1926.
Sprague, Warner & Company, Chicago, Ill. Canned fruits and vegetables. 52,651; renewed May 15, 1926.
Sprague, Warner & Company, Chicago, Ill. Coffee. 52,739; renewed May 15, 1926.
Sprague, Warner & Company, Chicago, Ill. Tea. 52,740; renewed May 15, 1926.
Sprague, Warner & Company, Chicago, Ill. Baking powder. 53,013; renewed May 22, 1926.
Sprague, Warner & Company, Chicago, Ill. Extracts. 53,014; renewed May 22, 1926.
Spray Engineering Company, Boston, Mass. Filtermedia oils. 212,185; Apr. 27; Serial No. 222,963; published Jan. 19, 1926.
Standard Cloth Company, Inc., New York, N. Y. Cotton goods in the piece. 212,209; Apr. 27; Serial No. 224,732; published Feb. 9, 1926.
Standard Crayon Manufacturing Co. (See Hoyt, Joseph M.)
Standard Varnish Works, New York, N. Y. Ready-mixed paints. 212,289; Apr. 27; Serial No. 217,968; published Nov. 10, 1925.
States Oil Company, Louisville, Ky. Lubricating oils and greases, gasoline, and kersosene. 212,210; Apr. 27; Serial No. 224,733; published Feb. 9, 1926.
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 212,270; Apr. 27; Serial No. 223,146; published Feb. 16, 1926.
Stein-Bloch Co., The, Rochester, N. Y. Men's overcoats and sack coats. 212,153; Apr. 27; Serial No. 205,566; published Jan. 26, 1926.
Stemmler, Theodore W., New York, N. Y. Tonic reconstructive histogenetic. 55,721; renewed Aug. 21, 1926.
Sterling Handkerchief Manufacturing Co., Inc., New York, N. Y. Handkerchiefs. 212,262; Apr. 27; Serial No. 224,434; published Feb. 16, 1926.
Sterling Handkerchief Manufacturing Co., Inc., New York, N. Y. Handkerchiefs. 212,298; Apr. 27; Serial No. 225,814; published Feb. 16, 1926.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 212,297; Apr. 27; Serial No. 225,748; published Feb. 16, 1926.
Stone Straw Company, The, Washington, D. C. Paper straws. 212,091; Apr. 27; Serial No. 152,937; published Jan. 26, 1926.
Stoody Company, Whittier, Calif. Mild-steel, iron, and high-carbon welding rods. 212,095; Apr. 27; Serial No. 225,530; published Feb. 16, 1926.
Stoody Company, Whittier, Calif. Self-hardening alloy-steel welding rods. 212,119; Apr. 27; Serial No. 225,529; published Feb. 16, 1926.
Stora Kopparbergs Bergslags Aktieholag, Falun, Sweden. Wrought and rolled iron and steel, raw bars, and blooms. 212,305–6; Apr. 27; Serial Nos. 220,042–3; published February 9, 1926.
Stratton, Harry D., San Francisco, Calif. Malt extracts and liquors. 212,213; Apr. 27; Serial No. 223,451; published Feb. 16, 1926.
Strawbridge & Clothier, assignor to Strawbridge & Clothier, Philadelphia, Pa. Dolls. 55,583; renewed Aug. 14, 1926.
Streator Brick Company, Streator, Ill. Bricks. 212,068; Apr. 27; Serial No. 223,262; published Jan. 19, 1926.
Stroock, S., & Co. Inc., New York, N. Y. Cashmere and wool cloth in the piece. 212,060; Apr. 27; Serial No. 211,391; published Feb. 9, 1926.
Stroock, S., & Co. Inc., New York, N. Y. Wool cloth in the piece. 212,087; Apr. 27; Serial No. 211,390; published Feb. 16, 1926.
Sulphur Products Company, Greenburg, Pa. Concentrated compound for oxidizing metals and a compound for use in giving sulphur baths. 212,334; Apr. 27.
Sunland Packing House Company, Porterville, Calif. Fresh citrous fruits. 212,035; Apr. 27; Serial No. 215,223; published Feb. 16, 1926.
Susquehanna Silk Mills, New York, N. Y. Silk and wool piece goods. 212,032; Apr. 27; Serial No. 217,905; published Feb. 9, 1926.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Binoculars, including telescopes, opera, field, and marine glasses. 212,318; Apr. 27; Serial No. 223,557; published Feb. 9, 1926.
Sutter Co-Operative Growers, San Francisco, Calif. Canned fruits. 212,324; Apr. 27; Serial No. 215,425; published Feb. 16, 1926.
Tarr & Wonson Limited, Gloucester, Mass. Preservative paint for the bottoms of ships and boats. 53,961–2; renewed June 19, 1926.
Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrous fruits. 212,309; Apr. 27; Serial No. 219,863; published Feb. 16, 1926.
Thomas Products, Inc., Boston, Mass. Serviettes. 212,116; Apr. 27; Serial No. 222,415; published Feb. 2, 1926.
Thomas Products, Inc., Boston Mass., Serviettes. 212,267; Apr. 27; Serial No. 223,814; published Feb. 16, 1926.
Thompson-Barlow Company, Inc., The, New York, N. Y. Massage device. 212,104; Apr. 27; Serial No. 218,936; published Feb. 9, 1926.
Thompson & Norris Co., The, Brooklyn and New York, to The Thompson & Norris Company, Brooklyn, N. Y. Paperboard and envelopes or receptacles made therefrom. 48,487; renewed Jan. 2, 1926.
Tichenor, G. H., M. D., assignor to Dr. G. H. Tichenor Co. Ltd. New Orleans, La. Antiseptic refrigerants for wounds. 50,560; renewed Mar. 20, 1926.
Tiffany & Company, New York, N. Y. Watches and clocks. 56,105; renewed Aug. 21, 1926.
Tingue, Brown & Co., New York, N. Y. Woven cotton padding for laundry-machinery rolls. 212,086; Apr. 27; Serial No. 212,161; published Feb. 16, 1926.
Toch Brothers, assignor to Toch Brothers, Incorporated, New York, N. Y. Paints. 50,490; renewed Mar. 20, 1926.
Toch Brothers, assignor to Toch Brothers, Incorporated, New York, N. Y. Metal and wood preservative. 51,976; renewed May 1, 1926.
Toch Brothers, Incorporated, New York, N. Y. Tinters for mortar or plaster compounds. 212,319; Apr. 27; Serial No. 223,559; published Feb. 2, 1926.
Toch Brothers, Incorporated, New York, N. Y. Water and stain proofing liquid. 212,320; Apr. 27; Serial No. 223,560; published Feb. 2, 1926.
Tourist Supply Co., Dover, Del., and Los Angeles, Calif. Automobile luggage carriers. 212,061; Apr. 27; Serial No. 208,322; published July 28, 1925.
Traun Rubber Co., assignor to Atlantic Rubber Manufacturing Corporation, New York, N. Y. Rubber for dental purposes. 49,136; renewed Jan. 23, 1926.
Treadwell & Moore, assignors to Melvin M. Hinton, doing business as The Hed-Lyte Company, Dallas, Tex. Headache medicine. 54,986; renewed Aug. 7, 1926.
Tricolator Company, Inc., New York, N. Y. Coffee infusers. 212,219; Apr. 27; Serial No. 225,496; published Feb. 16, 1926.
U-Auto Camp Co. (See Porter, Jno. K.)
Underhay Oil Co., Boston, Mass. Lubricating oil and slab oil for confectioners' use. 212,126; Apr. 27; Serial No. 224,847; published Feb. 16, 1926.
Union Fibre Co., to Union Fibre Co., Incorporated, Winona, Minn. Fabrics. 53,018; renewed May 22, 1926.
Union Sand & Gravel Co., Huntington, W. Va. Sand and gravel. 212,234; Apr. 27; Serial No. 223,753; published Jan. 19, 1926.
United States Cartridge Company, New York, N. Y. Ammunition. 212,211; Apr. 27; Serial No. 224,791; published Feb. 9, 1926.
United States Playing Card Co., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 50,078–9; renewed Mar. 6, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 50,116–7; renewed Mar. 6, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 50,350; renewed Mar. 13, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 50,352; renewed Mar. 13, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,202; renewed Apr. 10, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,378–80; renewed Apr. 17, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,749; renewed Apr. 24, 1926.
United States Playing Card Co., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,751–3; renewed Apr. 24, 1926.

United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,755; renewed Apr. 24, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 52,025–8; renewed May 1, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 53,063; renewed May 22, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 53,089; renewed May 22, 1926.
United States Products Corporation, San Jose, Calif. Canned fruits and vegetables. 212,326; Apr. 27; Serial No. 224,681; published Feb. 16, 1926.
University Candy Co. (See Foster, W. A., jr.)
Van Camp Packing Company, The, Indianapolis, Ind. Vegetable shortening. 212,292; Apr. 27; Serial No. 225,688; published Feb. 16, 1926.
Van Kerchove, Léon S., St. Nicolas, Belgium. Artificial slates, slabs, plain or waved. 212,082; Apr. 27; Serial No. 222,053; published Jan. 12, 1926.
Van Landingham Co., The, Los Angeles, Calif. Canned fruits, vegetables, and fish. 212,264; Apr. 27; Serial No. 224,268; published Feb. 16, 1926.
Virginia Dare Extract Co. Inc., Brooklyn, N. Y. Non-alcoholic, maltless soft-drink beverages and sirups, emulsions, concentrates, and extracts used in the preparation of the same. 212,361; Apr. 27.
Walker, Thomas, & Son, Limited, Birmingham, England. Ship logs and sounding machines. 50,840; renewed Apr. 3, 1926.
Walker, Thomas, & Son, Limited, Birmingham, England. Ship logs and sounding machines. 52,703; renewed May 15, 1926.
Walker, Thomas, & Son, Limited, Birmingham, England. Ship logs and sounding machines. 52,705; renewed May 15, 1926.
Walker, Thomas, & Son, Limited, Birmingham, England. Ship logs and sounding machines. 54,687; renewed June 26, 1926.
Walker, Thomas, & Son, Ltd., to Thomas Walker & Son, Limited, Birmingham, England. Ships' logs. 51,574; renewed Apr. 17, 1926.
Walker, Thomas, & Son, Ltd., to Thomas Walker & Son, Limited, Birmingham, England. Ships' logs and sounding machines. 52,382; renewed May 8, 1926.
Walker, Thomas, & Son, Ltd., to Thomas Walker & Son, Limited, Birmingham, England. Ship logs. 52,704; renewed May 15, 1926.
Wall Rope Works, Inc., New York, N. Y. Rope and cordage. 212,045; Apr. 27; Serial No. 223,565; published Jan. 12, 1926.
Walter Brothers, Exeter, Calif. Fresh grapes. 212,308; Apr. 27; Serial No. 219,865; published Feb. 16, 1926.
Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, Germany. Typewriters, ribbon-inking machines, envelope filling and sealing machines, etc. 212,050; Apr. 27; Serial No. 205,042; published Feb. 9, 1926.
Warner, Charles, Company, Wilmington, Del. Quick-setting plaster. 212,071; Apr. 27; Serial No. 223,108; published Jan. 12, 1926.
Warner-Quinlan Company, New York, N. Y. Gasoline, road oil, naphtha, and lubricating oil. 212,311; Apr. 27; Serial No. 217,592; published Oct. 13, 1925.
Wasser, Edwin, Inc., New York, N. Y. Cotton, silk, and artificial-silk fabrics. 212,081; Apr. 27; Serial No. 222,149; published Feb. 2, 1926.
Watkins, J. R., Company, The, Winona, Minn. Laundry and toilet soaps, soap jelly, soap powder and flakes, and soap creams used before shaving. 212,362; Apr. 27.
Watson Company. (See Wilcox & Wagoner Company, assignor.)
Wayne County Preserving Co., to Edgett-Burnham Company, Newark, N. Y., successor. Canned fruits and vegetables. 54,399; renewed June 26, 1926.
Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. 56,097–8; renewed Aug. 21, 1926.
Weinberg, J., and Sons, Cheetham, Manchester, England. Waterproof and rainproof clothing. 212,301; Apr. 27; Serial No. 221,678; published Feb. 16, 1926.
Weiss, Bela, doing business as B. Weiss Laboratories, Detroit, Mich. Auto and furniture polish. 212,156; Apr. 27; Serial No. 190,221; published Jan. 12, 1926.
West-Indische Import Compagnie, Amsterdam, Netherlands. Chocolate. 212,321; Apr. 27; Serial No. 223,567; published Feb. 9, 1926.
Western Refining and Oil Company, Davenport, Iowa. Gasoline. 212,056; Apr. 27; Serial No. 191,211; published Feb. 2, 1926.
Western Soap and Chemical Co. (See Ruschhaupt Bros., assignor.)
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental instruments. 212,260; Apr. 27; Serial No. 224,440; published Feb. 9, 1926.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental cement. 212,261; Apr. 27; Serial No. 224,439; published Feb. 9, 1926.
Whiting, C. R., Co., Newark, N. J. Artificial leather or coated cotton fabric. 212,317; Apr. 27; Serial No. 221,863; published Jan. 19, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 52,830–2; renewed May 22, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 52,833; renewed May 22, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 52,834–8; renewed May 22, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 52,851–2; renewed May 22, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 52,864–70; renewed May 22, 1926.
Whiting, John L., & Son Co., assignor to John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 53,145; renewed May 29, 1926.
Whitman & Barnes Manufacturing Co., The, Akron, Ohio. Knives for mowers and reapers. 56,282; renewed Sept. 4, 1926.
Wilcox & Wagoner Company, New York, N. Y., assignor to The Watson Company, Attleboro, Mass. Silver hollow ware, flatware, and tableware. 54,692; renewed June 26, 1926.
Wilkins, John H., Co., Washington, D. C. Coffee. 212,057; Apr. 27; Serial No. 214,303; published Feb. 9, 1926.
Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machines and sewing-machine parts and attachments. 52,925–6; renewed May 22, 1926.
Williams Tool Corporation, Erie, Pa. Threading machines. 212,322; Apr. 27; Serial No. 223,674; published Feb. 9, 1926.
Wilson, Charles M., doing business as Cardettes Company, Des Moines, Iowa. Calling cards. 212,360; Apr. 27.
Winer, M., & Co., Boston, Mass. Canned fruits and vegetables, coffee and tea, spices, etc. 212,170; Apr. 27; Serial No. 219,051; published Feb. 9, 1926.
Woodward and Lothrop, Washington, D. C. Artificial flowers, fans, barrettes, combs, etc. 212,067; Apr. 27; Serial No. 223,268; published Feb. 16, 1926.
Woolworth Chemical Company, Lititz, Pa. Chemical compound adapted to remove tarnishing impurities, such as sulphides, from the air. 212,338; Apr. 27.
Wright, William E., and Sons Company, Orange, N. J. Bias-fold tapes and trimmings. 212,222; Apr. 27; Serial No. 224,638; published Feb. 16, 1926.
Wurdeman Textile Mills, Inc., Fort Plain, N. Y. Princess and costume slips, brassières, etc. 212,172; Apr. 27; Serial No. 219,416; published Feb. 16, 1926.
Wyman, Partridge & Co., Minneapolis, Minn. Work clothing, including work shirts, pants, overalls, etc. 212,196; Apr. 26; Serial No. 220,383; published Feb. 2, 1926.
Yale & Towne Manufacturing Company, The. (See Miller Lock Company, assignor.)
Yorkshire Copper Works, Limited, The, Stourton, Leeds, England. Metal tubes. 212,355; Apr. 27.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Alvarez, Alfonso D., doing business as Dr. Alvarez, Middletown, N. Y. Alva-Wavolene. For Hairdressing. 30,248; Apr. 27.
An-Fo Manufacturing Co. (See Rosefield, J. B.)
Baltimore Distilling Company of Baltimore, Md., Baltimore, Md. Spring Garden. For Whisky. 30,249; Apr. 27.
Brockman, Morton S., doing business as Morton Novelty Co., Cleveland, Ohio. Mys-Tix. For a Wood-Block Assembly Puzzle. 30,250; Apr. 27.
Delano, Potter & Co., Inc., Boston, Mass. Pekoe, Buds, and Orange Pekoe Tea. For Pekoe, Buds, and Orange Pekoe Tea. 30,251; Apr. 27.
Don Nieto Cigar Factory, Chicago, Ill. La Boda. For Cigars. 30,252; Apr. 27.
Famo Cigar Co., Milwaukee, Wis. Monte Cuba. For Cigars. 30,253; Apr. 27.
Frishman, Maurice E., doing business as National Drug Co., Paterson, N. J. Magneslo. For a Laxative Solution. 30,254; Apr. 27.
Greene Circle Products Co., doing business as Greene Circle, Chicago, Ill. Pepticated Chewing Gum. For Chewing Gum. 30,255; Apr. 27.
Greene, Mary, New York, N. Y. Roman Hand Rejuvenant. For Skin Food. 30,256; Apr. 27.

Herbert W. Low, doing business as The H. W. Low Co., Oakland, Calif. Dairy Maid. For Evaporated Milk. 30,261; Apr. 27.
Johnson, Charles F., doing business as C. F. Johnson & Co., Chicago, Ill. Galacite. For a Puncture Seal for Tires. 30,257; Apr. 27.
Lee, Arthur R., doing business as Art Lee, Hollywood, Calif. Lee's Love Secret. For a Facial Pack. 30,258; Apr. 27.
Lewis and Bailey, New York, N. Y. Derby Brand Red Hot Pepper Sauce Manufactured by Lewis & Bailey New York. For a Pepper Sauce, a Food Preparation. 30,259; Apr. 27.
Low, Herbert W., doing business as The H. W. Low Co., Oakland, Calif. Valley Lily. For Evaporated Milk. 30,260; Apr. 27.
Mackley, Benjamin, Pittsburgh, Pa. Blau Tuch Cleansing Cloth. For Cleansing Cloths. 30,262; Apr. 27.
McAfee Newell Coffee Co., Inc., The, Bloomington, Ill. Steel Cut. For Coffee. 30,263; Apr. 27.
McAfee Newell Coffee Co., Inc., The, Bloomington, Ill. Coffee. For Coffee. 30,264; Apr. 27.
Melvin Candy Co., Chicago, Ill. World Beater. For Candy. 30,265; Apr. 27.
Melvin Candy Co., Chicago, Ill. All American. For Candy. 30,266; Apr. 27.
Moreau, Otto L., Richmond, Va. Moreau Auto Cleaner. For Auto Cleaner. 30,267; Apr. 27.
Morton Novelty Co. (See Brockman, Morton S.)
National Drug Co. (See Frishman, Maurice E.)
Nichols, Helen E., New York, N. Y. "Acts by Suction" "Nichols Nasal Syphon." For Nasal Siphons. 30,268; Apr. 27.
Pal Co., The. (See Provencher, Albert L.)
Perryman Electric Company, Inc., New York, N. Y. Perryman Amplifier and Detector. For Vacuum Tubes. 30,269; Apr. 27.
Pioneer Products Company, The, Dayton, Ohio. Chex. For Soap. 30,270–1; Apr. 27.
Provencher, Albert L., doing business as The Pal Co., Salem, Mass. Pal. For Pile Ointment and Salve. 30,272; Apr. 27.
Reeves Engineering Corporation, Newark, N. J. Ivori-Craft Means What Sterling Means to Silver. For Flush Plates. 30,273; Apr. 27.
Reeves Engineering Corporation, Newark, N. J. Flush Plates. For Flush Plates. 30,274; Apr. 27.
Richardson Company, The, Lockland, Ohio, assignor to The Tuttle Press Company, Appleton, Wis. Crinkle Crepe Shelf Paper. For Crinkled Shelf Paper. 30,275; Apr. 27.
Rosefield, J. B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Fly-Foil. For Fly Spray and Insecticide. 30,276; Apr. 27.
U. S. Hame Company, Buffalo, N. Y. The Giant All Steel Hame No. 1225. For Hames. 30,277; Apr. 27.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Better Service Stores, Brockton, Mass. Better Service Stores. For Groceries. 8,738; Apr. 27.
Pepsodent Co., The, Chicago, Ill. Pepsodent, The New-Day Tooth Paste—Beauty Demands Teeth Like Pearls. For Tooth Paste. 8,739; Apr. 27.
Stern-Imbrey Co., New York, N. Y. Fashionable frocks. For Dresses. 8,740; Apr. 27.
Waterman, L. E., Company, doing business as Waterman's, New York, N. Y. Waterman's Ideal Fountain Pen Treasure Chest. For Fountain Pens. 8,741; Apr. 27.
Waterman, L. E., Company, doing business as Waterman's, New York, N. Y. Treasure Chest of Today. For Fountain Pens. 8,742; Apr. 27.
Waterman, L. E., Company, doing business as Waterman's, New York, N. Y. In The Treasure Chest of Today. For Fountain Pens. 8,743; Apr. 27.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abseck, Louis, doing business as The Senlastic Co., Brooklyn, N. Y. Bristle massage brushes. 227,153; Apr. 27.
Acme Brick Company, Fort Worth, Tex. Brick. 227,549; Apr. 27.
Advance Pattern & Foundry Company, Chicago, Ill. Cast-aluminum cooking utensils. 189,288; Apr. 27.
Aloe, A. S., Co., St. Louis, Mo. Physiotherapy apparatus. 228,883; Apr. 27.
Aluminum Company of America, Pittsburgh, Pa. Aluminum and aluminum alloys. 210,640; Apr. 27.
Ambrosia Chocolate Company, Milwaukee, Wis. Candy and candy bars. 227,495; Apr. 27.
American Brass Company, The, Waterbury, Conn. Rods, sheets, wire, welding rods, etc., formed of metallic alloys. 227,620; Apr. 27.
American Road Machinery Company, Inc., Kennett Square, Pa. Road-grading machines, rock crushers, conveyers, etc. 220,331; Apr. 27.
American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Canvas, leather, felt, and rubber shoes. 227,102; Apr. 27.
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 192,876; Apr. 27.
Associated Manufacturers Auto Fabric Equipment, Muncie, Ind. Automobile artificial-leather fabrics used in upholstered top and other coverings. 218,785; Apr. 27.
Atlantic Coast Preserving Corporation, Brooklyn, N. Y. Fruit preserves. 227,387; Apr. 27.
Automobiles Corre La Licorne, Seine, France. Automobiles. 227,560; Apr. 27.
Autopiano Company, New York, N. Y. Pianos, player pianos, player actions, and parts thereof. 226,706; Apr. 27.
Babson's Statistical Organization, Incorporated, Wellesley, Mass. Financial and business service bulletins and supplements. 223,570; Apr. 27.
Barnard, Paul J., doing business as Hasty-Tasty Company, Los Angeles, Calif. Sliced walnuts, almonds, and other nuts. 228,964; Apr. 27.
Baron, H., & Co., Inc., New York, N. Y. Fountain sirups for still or carbonated water beverages. 226,875; Apr. 27.
Bay City Milling Company, Bay City, Mich. Coffee. 222,814; Apr. 27.
Bell Wire & Metal Goods Co., Boston, Mass. Containers made of metal. 227,104; Apr. 27.
Ben-Glo Mfg. Company. (See Crowley, T. J.)
Berg, Charles F., Portland, Oreg. Wearing apparel. 227,931; Apr. 27.
Berriman, Nathan E., New York, N. Y. Boys' blouses and men's dress, negligee, and work shirts. 228,082; Apr. 27.
Birmingham Stove & Range Co., Birmingham, Ala. Wood, coal, oil, or gas stoves and ranges. 226,224; Apr. 27.
Blunden, Alfred G., London, England. Account books. 223,016; Apr. 27.
Borgfeldt, Geo., & Co., New York, N. Y. Stuffed toy animals. 227,984; Apr. 27.
Borgfeldt, Geo., & Co., New York, N. Y. Toy trains, toy automobiles, and other toy vehicles. 227,985; Apr. 27.
Bradas & Gheens. (See Gheens, C. Edwin.)
Breslau, Abraham, Baltimore, Md. Shoes. 227,628; Apr. 27.
Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, rolls, and cloths of abradant nature. 204,082; Apr. 27.
Bristol Seamless Ring Company, New York, N. Y. Finger rings. 225,764; Apr. 27.
Bucyrus Company, South Milwaukee, Wis. Electric-lighting plants, motor generators, cables for carrying electric current, etc. 205,315; Apr. 27.
Bullas, Louis, Minneapolis, Minn. Liquid cleaner for shoes, gloves, belts, and hats. 226,941; Apr. 27.
Bushnell, Howard E., Basking Ridge, N. J. Dog kennels. 208,957; Apr. 27.
California Avocado Growers Exchange, Los Angeles, Calif. Avocados. 227,439; Apr. 27.
Canepa, John B., Company, The, Chicago, Ill. Macaroni, spaghetti, noodles, etc. 212,712; Apr. 27.
Caterpillar Tractor Co., Stockton and San Leandro, Calif. Tractors. 218,605; Apr. 27.
Catlett, Gibson, doing business as Gibson Catlett's Studios, Chicago, Ill. Paintings. 227,935; Apr. 27.
Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets for hospital use. 228,410; Apr. 27.
Cellucotton Products Company, Neenah, Wis. Absorbent pads or sheets for removing cold cream. 228,803; Apr. 27.
Chase & Sanborn, Boston, Mass. Coffee and tea. 223,462; Apr. 27.
Chatillon, John, & Sons, New York, N. Y. Dynamometers, thermometers, spring scales, etc. 228,805; Apr. 27.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chatillon, John, & Sons, New York, N. Y. Cooks' forks, ice picks, butchers' saws, blades, etc. 228,806; Apr. 27.

Cheatham, L. A., Lodi, Calif. Fresh grapes. 212,718; Apr. 27.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 227,058; Apr. 27.

Chile Exploration Company, New York, N. Y. Copper ingots, ingot bars, billets, etc. 228,892; Apr. 27.

Cilia-Derma Products Co. (See Stout, Orin C.)

City Mills Company, Columbus, Ga. Wheat flour. 226,714; Apr. 27.

Cleveland Heater Company, The, Cleveland, Ohio. Metal pipe fittings. 227,263; Apr. 27.

Coast Dry Battery Co., Seattle, Wash. Battery and flash-light casings. 210,363; Apr. 27.

Cohen, Benjamin, doing business as The Roseben Company, Detroit, Mich. Fur-cleaning compound with incidental glazing properties. 227,221; Apr. 27.

Collins, Donna L., doing business as The Donna Lee Co., Chicago, Ill. Perfume, toilet water, face lotions, deodorants, etc. 227,632; Apr. 27.

Collins, J. N., Company, Minneapolis, Minn. Candy. 228,977; Apr. 27.

Columbia Knitting Mills, Portland, Oreg. Woolen spats. 226,637; Apr. 27.

Conde Nast Publications, Inc., The, New York, N. Y. Monthly publication. 227,987; Apr. 27.

Consolidated Pump Co., The, Toledo, Ohio. Ladders. 227,003; Apr. 27.

Coulson, Edward, doing business as Coulson's Manufacturing Co., Chicago, Ill. Steam pads used in waving the hair. 227,777; Apr. 27.

Crescent Refractories Company, Curwensville, Pa. High-temperature cement. 217,661–2; Apr. 27.

Crescent Refractories Company, Curwensville, Pa. Plastic fire-brick material. 217,663; Apr. 27.

Crescent Refractories Company, Curwensville, Pa. High-temperature cement. 217,666–7; Apr. 27.

Crowdus, J. W., Drug Company, The, Dallas, Tex. Combs. 228,179; Apr. 27.

Crowley, T. J., doing business as Ben-Glo Mfg. Company, Pittsburgh, Pa. Skin lotion. 226,638; Apr. 27.

Crystal Chemical Company, Inc., The, New York, N. Y. Tooth pastes and antiseptic liquid washes. 227,937; Apr. 27.

Curtis-Martin Newspapers, Inc., Philadelphia, Pa. Title for a daily newspaper publication. 227,113; Apr. 27.

Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 224,863; Apr. 27.

De Grauw, Aymar & Company, New York, N. Y. Flags and banners. 222,785; Apr. 27.

Deutschmann, Tobe C., Boston, Mass. Wires, cables, radio receiving sets, insulators, etc. 213,011; Apr. 27.

De Vore Mfg. Co., The, Columbus, Ohio. Medicated throat disks, face, skin, and massage creams and pastes, perfumes, and toilet waters, etc. 201,395; Apr. 27.

Donna Lee Co., The. (See Collins, D. L.)

Donnelly Garment Company, Kansas City, Mo. Aprons. 208,809; Apr. 27.

Dow Chemical Company, The, Midland, Mich. Insecticidal compositions. 227,780; Apr. 27.

Dunlop Milling Company, The, Clarksville, Tenn. Self-rising flour. 228,095; Apr. 27.

Dupier Manufacturing Company. (See Newbery, John W.)

Durant Motor Company of New Jersey, Elizabeth, N. J. Automobiles and constructive parts thereof. 224,697; Apr. 27.

Eagle Picher Lead Company, The, New York, N. Y.; Philadelphia, Pa.; Newark, N. J.; Cincinnati, Ohio; St. Louis and Joplin, Mo.; and Chicago, Ill. Orange mineral, a pigment used as an ink constituent. 208,579; Apr. 27.

Earl, Eugene E., Fairmount, Mo. Antifreezing solution for automobile radiators. 226,347; Apr. 27.

Egon Braun Aktiengesellschaft, Hamburg, Germany. Brandies, liquors, punches, etc. 223,696; Apr. 27.

Egon Braun Aktiengesellschaft, Hamburg, Germany. Nonalcoholic, maltless beverages, essences for making the same, and mineral water. 225,224; Apr. 27.

Endicott Johnson Corporation, Endicott, N. Y. Leather and rubber boots and shoes. 226,479; Apr. 27.

English China Clays Limited, St. Austell, England. Colloidal clays. 228,415; Apr. 27.

English China Clays Limited, St. Austell, England. Colloidal clays. 228,417; Apr. 27.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Antiknock compound. 211,995; Apr. 27.

Evapometer Co., The. (See Gilles, Richard L.)

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 227,724–5; Apr. 27.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 227,727–8; Apr. 27.

Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 227,730–4; Apr. 27.

Fikaltorf-Studien G. m. b. H., Dresden, Germany. Mixed cultures of cellulose-decomposing microbes for the use of decomposing cellulose matter. 227,225; Apr. 27.

Fieldston Trading Corporation, New York, N. Y. Ladies' hats. 224,690; Apr. 27.

Fifth Avenue Corset Company, Inc., The, Allentown, Pa. Combination corset brassières and brassières. 227,641–2; Apr. 27.

Fiske Seed Company, also doing business as Fottler, Fiske, Rawson Co., Boston, Mass. Lawn-grass seed. 226,642; Apr. 27.

Foresite Manufacturing Co., Minneapolis, Minn. Dentifrice. 228,535; Apr. 27.

Fort Dodge Bottling Works, Fort Dodge, Iowa. Soft drink and sirup for making the same. 225,407; Apr. 27.

Fottler, Fiske, Rawson Co. (See Fiske Seed Company.)

Frank, A. B., Company, San Antonio, Tex. Underwear and sweaters. 228,604; Apr. 27.

Frederick, Margaret, Louisville, Ky. Beds, chiffonobes, dressers, chairs, etc. 211,262; Apr. 27.

General Electric Company, Schenectady, N. Y. Electrical apparatus for transmitting and receiving motion. 196,736; Apr. 27.

General Motors Corporation, Detroit, Mich. Automobiles. 223,843; Apr. 27.

Gheens, C. Edwin, doing business as Bradas & Gheens, Louisville, Ky. Stick candy. 216,170; Apr. 27.

Gilles, Richard L., doing business as The Evapometer Co., Fargo, N. Dak. Device for indicating the daily evaporation of eggs in an incubator. 227,994; Apr. 27.

Glow Manufacturing Co. (See Preston, Winifred P.)

Goff, S. B., & Sons Co., Camden, N. J. Tonic, regulator, and invigorator to the female organs. 228,899; Apr. 27.

Gold Medal Creamery Co., Long Beach, Calif. Salad dressing. 216,172; Apr. 27.

Goldleaf Tobacco Importing Co. Inc., New York, N. Y. Cigarettes. 227,069; Apr. 27.

Goldstein, Louis, doing business as Windsor Ale Co., Chicago, Ill. Nonalcoholic, maltless beverages and sirups and extracts for making the same. 228,103; Apr. 27.

Gordon, Wilbur C., doing business as Taygo Laboratories, Los Angeles, Calif. Face cream, cleansing cream, hair tonic, etc. 228,313; Apr. 27.

Grace, William J., Los Angeles, Calif. Medicines for external and internal use. 224,455; Apr. 27.

Grant, W. T., Company, New York, N. Y. Cotton piece goods. 223,089; Apr. 27.

Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Weighing scales. 228,901; Apr. 27.

Graves, Harrison, doing business as Harrison Products Co., Kingston, N. Y. Laxative coated chewing gum. 228,328; Apr. 27.

Gray, Percy, Jefferson, Iowa. Hot-water-supply tanks for attaching to heating systems for household use. 226,137; Apr. 27.

Great American Tea Co., The, Brooklyn, N. Y. Coffee. 228,752; Apr. 27.

Griffiths & Freese, Paris, Tex. Beverage and sirup for making same. 223,913; Apr. 27.

Groub, John C., Company, The, Seymour, Connersville, and Mitchell, Ind. Canned vegetables, fruits, shellfish, mincemeat, table sirups, etc. 226,955; Apr. 27.

Hacker, E. H., doing business as E. H. Hacker and Company, Milwaukee, Wis. Candy. 228,105; Apr. 27.

Hahne & Company, Newark, N. J. Radio receiving sets, radio vacuum tubes, radio A batteries, radio B batteries. 219,425; Apr. 27.

Hampshire, F. W., & Co. Ltd., Derby, England. Talcum powder, face powder, face cream, etc. 224,911; Apr. 27.

Hardison Products Co. (See Graves, Harrison.)

Hartford Metal Products Company. (See Post & Lester Company, The.)

Harvey, Lliab M., Los Angeles, Calif. Seasick remedies. 228,814; Apr. 27.

Hasty-Tasty Company. (See Barnard, Paul J.)

Haupt, Peter, doing business as White Dove Mills, New Athens, Ill. Wheat flour. 227,307; Apr. 27.

Heilmann, Carl A., Skelskør, Denmark. Fluid for spraying or washing plants. 220,233; Apr. 27.

Heit Miller Lau Co., Fort Wayne, Ind. Candy. 221,119; Apr. 27.

Heller, L., & Son, Inc., New York, N. Y. Strings of pearls and reproduction of pearls or imitations thereof. 207,241; Apr. 27.

Henkel-Clauss Company, The, Fremont, Ohio. Meat, vegetable, and food choppers, pruners, razors, etc. 227,517; Apr. 27.

Heraty, James E., La Crosse, Wis. Rouge. 212,002; Apr. 27.

Hillerich & Bradsby Co., Louisville, Ky. Sporting goods. 221,964–5; Apr. 27.

Hirshfeld, Jacob B., doing business as The Kawana Mills, New York, N. Y. Underwear, bathing suits, sweaters, etc. 228,541; Apr. 27.

Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 219,331; Apr. 27.

Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Wrapping, tissue, and toilet papers, paper towels, blotters, etc. 210,546; Apr. 27.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, rouge, etc. 228,376; Apr. 27.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

House of Wenger, The. (See Wenger, Morris.)

Hunts Point Bakery, New York, N. Y. Bread and cakes. 227,744; Apr. 27.

Hynes & Cox Electric Corporation, Albany, N. Y. Glue-pots. 225,923; Apr. 27.

Hynson, Westcott & Dunning, Baltimore, Md. Antiseptics, germicides, and bactericides. 205,337; Apr. 27.

Illinois Diamond Cab Company, Chicago, Ill. Automobiles, including taxicabs. 222,459; Apr. 27.

Index-Werke Hahn & Kolb, Esslingen-on-the-Neckar, Germany. Tool-making machines, automatic revolving lathes, automatic revolving screw lathes, etc. 225,015; Apr. 27.

Inecto, Inc, New York, N. Y. Hair dye. 229,036–40; Apr. 27.

International Agricultural Corporation, New York, N. Y. Poultry food. 225,925; Apr. 27.

Jackson, William A., Baltimore, Md. Liquid compound for cleaning glass surfaces. 220,408; Apr. 27.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 207,377; Apr. 27.

Joseph and Milton, Toronto, Canada. Ladies' coats, hats, and dresses. 228,703; Apr. 27.

Joseph, S., & Sons, New York, N. Y. Men's outer suits, coats, trousers, vests, and overcoats. 228,906; Apr. 27.

Junior Coffee Co., The, Amarillo, Tex. Coffee. 228,988; Apr. 27.

K. K. Medicine Company. (See Kritt, Max.)

Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. Wrapping paper. 228,193; Apr. 27.

Kanawha Specialty Co., Parkersburg, W. Va. Children's chairs for use in automobiles. 227,896; Apr. 27.

Kawana Mills, The. (See Hirshfeld, Jacob B.)

Kay Bee Mfg. Co., Los Angeles, Calif. Electrically-illuminated automobile lamps. 223,389; Apr. 27.

Kel-Bur Products Company, Inc., The, Salem, Mass. Battery compound. 227,358; Apr. 27.

Kerlow Steel Flooring Company, Jersey City, N. J. Steel flooring, ventilator gratings, grids, and grilles. 226,006; Apr. 27.

Keystone Bottling & Supply Company, Pittsburgh, Pa. Soft drink and sirup for making the same. 228,427; Apr. 27.

Kirk Milling Company, The, Findlay, Ohio. Wheat flour, pancake flour, corn meal, etc. 228,114; Apr. 27.

Kirk Milling Company, The, Findlay, Ohio. Pancake flour. 228,115; Apr. 27.

Kolambugan Lumber & Development Co., Manila, P. I. Lumber, dressed and rough. 227,311; Apr. 27.

Kritt, Max, doing business as K. K. Medicine Company, Detroit, Mich. Cough medicines, laxatives, and medicines for treatment of colds. 228,609; Apr. 27.

Kyett, Mrs. Anna, Cambridge, Mass. Hair restorer. 225,666; Apr. 27.

Lederer, S. & B., Co., Providence, R. I. Complete watch bracelets. 224,771; Apr. 27.

Lennon, Peter G., doing business as Peter G. Lennon & Company, Joliet, Ill. Canned vegetables, fruits, and fish, wheat flour, etc. 198,315; Apr. 27.

Les Etablissements Poulenc Frères, Paris, France. Vaccine for treating chancre. 213,310; Apr. 27.

Les Etablissements Poulenc Frères, Paris, France. Hyposulfite of soda. 214,328; Apr. 27.

Les Etablissements Poulenc Frères, Paris, France. Larvicide powder with a base of trioxymethylene. 214,330; Apr. 27.

Les Etablissements Poulenc Frères, Paris, France. Chemically-pure hyposulfite of soda. 214,331; Apr. 27.

Lippi, Joseph L., Bell, Calif. Salves for abscesses, burns, boils, bedsores, etc. 226,493; Apr. 27.

Live Long Toys, Chicago, Ill. Dolls and footballs. 225,698; Apr. 27.

Lloyd Brothers, Pharmacists Inc., Cincinnati, Ohio. Medicinal preparation. 228,196; Apr. 27.

Loose-Wiles Biscuits Company, Long Island City, N. Y. Cakes. 228,120; Apr. 27.

Lynch, Thomas J., Los Angeles, Calif. Confections comprising ice cream inclosed in a casing. 226,494; Apr. 27.

Majestic Manufacturing Company, St. Louis, Mo. Coffee urns. 210,568; Apr. 27.

Mann, Leslie, Springfield, Mass. Physical educational films. 228,050; Apr. 27.

Maristany, Pedro G., Barcelona, Spain. Wines. 225,831; Apr. 27.

Mark, Clayton, & Company, Chicago, Ill. Cup leathers for well valves. 213,658; Apr. 27.

Marshall Field & Company, Chicago, Ill. Misses' dresses. 216,518; Apr. 27.

Martin, John R. B., Gap, Pa. Egg dyes. 227,078; Apr. 27.

Marvel Company, The, Antiseptic solution. 228,763; Apr. 27.

Marvell Pharmacal Co., Inc., The, New York, N. Y. Antiseptic and astringent remedy used as a spray for nose and throat and also as a gargle and mouth wash. 228,476; Apr. 27.

Masury-Young Company, Charlestown, Mass. Wool oils. 221,757; Apr. 27.

Mavreline Company, The. (See Mavrelis, Peter L.)

Mavrelis, Peter L., doing business as The Mavreline Company, Waterloo, Iowa. Preparation for the treatment of piles, constipation, diabetes, etc. 228,552; Apr. 27.

Mayer, Joseph, Karlsbad, Czechoslovakia. Hair wash. 225,932–3; Apr. 27.

McClintock, O. B., Company, Minneapolis, Minn. Electric burglar alarms and alarms for vault-protecting systems. 228,658; Apr. 27.

Melvin Candy Co., Chicago, Ill. Candy. 227,463; Apr. 27.

Montauck Metallic Bed Co., Inc., Brooklyn, N. Y. 223,969; Apr. 27.

Montgomery Ward & Co., Inc., Chicago, Ill. Clothes or laundry washing machines. 209,310; Apr. 27.

Moody, Percy W., doing business as P. W. Moody Co., Boston, Mass. Linen batting. 226,154; Apr. 27.

Myles Salt Co., Ltd., New Orleans, La. Salt. 194,731; Apr. 27.

Napier Co., The, Meriden, Conn. Vanity boxes made of or plated with precious metal. 227,845; Apr. 27.

National Washboard Company, Chicago, Ill., and Saginaw, Mich. Folding ironing tables and washboards. 225,797; Apr. 27.

Newbery, John W., doing business as Duplex Manufacturing Company, New York, N. Y. Oil burners. 192,143; Apr. 27.

Normandia, Alphonse R., Elmhurst, N. Y. Lotion for use on chapped hands and face. 227,468; Apr. 27.

Northwest Paper Company, The, Cloquet, Minn. Book paper, writing paper, and printing paper. 228,129; Apr. 27.

Nu-Idea Air Purifier Co. Inc., Jamaica, N. Y. Naphtha in block form. 228,767; Apr. 27.

Ocean Bathing Suit Co., Inc., The, New York, N. Y. Bathing suits. 228,927; Apr. 27.

Oettinger Products, Boston, Mass. Radio receiving sets. 228,827; Apr. 27.

Ohio Brass Company, The, Mansfield, Ohio. Metal castings. 228,388; Apr. 27.

Oklahoma Oil Marketers, Inc., The, Enid, Okla. Lubricating oils and greases and gasoline. 218,135; Apr. 27.

Olds, F. E., & Son, Inc., Los Angeles, Calif. Musical instruments. 225,486; Apr. 27.

Oliver, Joseph, Detroit, Mich. Pharmaceutical product for treatment of staphylococcus. 226,300; Apr. 27.

Or-Blos Company, Jacksonville, Fla. Toilet water, perfume, face powder, and talcum powder. 221,504; Apr. 27.

Oregon City Manufacturing Company, Oregon City, Oreg. Men's dress and work shirts, overcoats, mackinaws, and suits. 216,209; Apr. 27.

Owl Drug Co., The, San Francisco, Calif. Cream for the skin. 228,928; Apr. 27.

Pal Products Co., Inc., Brooklyn, N. Y. Polishing powder for finishing surfaces. 227,749; Apr. 27.

Palmer Candy Co., Sioux City, Iowa. Candy. 225,520; Apr. 27.

Palmer, E. C., & Co., Ltd., New Orleans, La. Bond paper. 228,133; Apr. 27.

Parrish, Amos, & Company, Cleveland, Ohio. Leaflets. 227,386; Apr. 27.

Parrish, Amos, & Company, Cleveland, Ohio. Booklets. 227,433; Apr. 27.

Peirce, O. W., Company, La Fayette, Ind. Coffee. 220,798; Apr. 27.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Cleansing preparation. 225,241; Apr. 27.

Philadelphian, Inc., The, Philadelphia, Pa. Monthly magazine. 227,084; Apr. 27.

Phillips-Jones Corporation, New York, N. Y. Shirts. 228,931; Apr. 27.

Pilzer, Morris, doing business as Quality Pad and Novelty Company, Los Angeles, Calif. Paper and stationery, desk pads and files, memorandum files, etc. 223,448; Apr. 27.

Polly Portable Phonograph Co., Inc., The, New York, N. Y. Phonographs and parts thereof. 219,686; Apr. 27.

Post & Lester Company, The, doing business as Hartford Metal Products Company, Hartford, Conn. Loud speakers for radio receiving sets. 228,480; Apr. 27.

Post & Lester Company, doing business as Metal Products Company, Hartford, Conn. Phones for radio receiving sets. 228,482; Apr. 27.

Poster & Co., Inc., New York, N. Y. Radiopanels. 225,888; Apr. 27.

Powerola Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof and battery-eliminating devices. 226,680; Apr. 27.

Preston, Winifred P., doing business as Glow Manufacturing Co., Salt Lake City, Utah. Hairdressing. 205,949; Apr. 27.

Proben Products, Inc., New York, N. Y. Medicated chewing gum. 227,850; Apr. 27.

Progressive Knitting Works, Inc., Brooklyn, N. Y. Silk fabrics and artificial silk knitted in the piece. 228,560; Apr. 27.

Purigo Company, The, Madison, Wis. Stain remover. 227,187; Apr. 27.

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Purity Produce Corporation, Los Angeles, Calif. Canned fruits, vegetables, and fish. 226,510; Apr. 27.
Pyramid Packing Company, Sitka, Alaska. Canned fish. 228,776–7; Apr. 27.
Quality Pad and Novelty Company. (See Piltzer, Morris.)
Queen City Bottling Company, The, Cincinnati, Ohio. Ginger ale. 219,910; Apr. 27.
Rapid Addressing Machine Company, New York, N. Y. Ink for stencil addressing machines. 222,403; Apr. 27.
Rauser, Leavens & Kissinger Co., Milwaukee, Wis. Hosiery. 227,537; Apr. 27.
Reading Towel Manufacturing Co., The, Reading, Pa. Towels, wash cloths, and bath mats of knitted and textile fabric. 227,964; Apr. 27.
Reliance Paper & Twine Mills, New York, N. Y. Wrapping paper. 220,421; Apr. 27.
Reynolds Preserving Company, The, Sturgeon Bay, Wis. Canned fruits. 228,724; Apr. 27.
Richwine, E., Company, Chicago, Ill. Semiprecious stones. 226,512; Apr. 27.
Riley, Stella, Carbondale, Ill. Eye water and eye salve. 228,830; Apr. 27.
Rochester Laboratories, Inc., Rochester, Minn. Lemon cleansing cream, beauty cream, tissue cream, bleach cream, etc. 226,257; Apr. 27.
Ronan, T. J., Co., Inc., Brooklyn, N. Y. Ready-mixed paints, varnishes, and paint enamels. 220,089; Apr. 27.
Rose, G. P., jr., Nashville, Tenn. Dog feed. 228,070; Apr. 27.
Roseben Company, The. (See Cohen, Benjamin.)
Rosicrucian Fellowship, The, Oceanside, Calif. Monthly magazine and printed books. 223,745; Apr. 27.
Roundup Grocery Company, Spokane, Wash. Bluing and ammonia. 228,566; Apr. 27.
Roundup Grocery Company, Spokane, Wash. Canned fruits, vegetables, and clams. 228,939; Apr. 27.
Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. 228,666; Apr. 27.
Rubber Service Laboratories Company, The, Akron, Ohio. Compounding ingredient and rubber softener. 228,667; Apr. 27.
Rubens & Meyer, New York, N. Y. Hosiery. 228,726; Apr. 27.
St. Paul Milling Co., The, St. Paul, Minn. Wheat flour. 214,627; Apr. 27.
Sanders, Tessers & Lieberman, New York, N. Y. Men's suits and top and over coats. 225,140; Apr. 27.
Schmuckler, Son & Davidson, Philadelphia, Pa. Dress, negligee, and work shirts. 224,992; Apr. 27.
Schnier, I. F., doing business as I. F. Schnier Co., San Francisco, Calif. Corks. 225,890; Apr. 27.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 228,870; Apr. 27.
Scholl Manufacturing Company, Inc., Chicago, Ill. Boots, shoes, and slippers. 227,856; Apr. 27.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Arch supports and similar foot-corrective appliances. 228,874; Apr. 27.
Sealastic Co., The. (See Asbeck, Louis.)
Seaman Paper Company, Chicago, Ill. Enamel book paper. 225,143; Apr. 27.
Seaman Paper Company, Chicago, Ill. Printing paper. 225,144; Apr. 27.
Shelby Gum Company, The, Shelby, Ohio. Chewing gum. 226,259; Apr. 27.
Sherman & Sons Co., New York, N. Y. Long cloth and nainsook in the piece. 226,445; Apr. 27.
Sherwin, S. A., Co. Inc., New York, N. Y. Negligee shirts. 217,588; Apr. 27.
Societe Anonyme Jean Patou, Paris, France. Perfumes, face powder, bath salts, etc. 228,942; Apr. 27.
Societe Anonyme Jean Patou, Paris, France. Perfumes, face powder, bath salts, etc. 228,944; Apr. 27.
Solmes, John A., doing business as J. A. & R. E. Solmes, St. Paul, Minn. White cloth for uniforms. 210,581; Apr. 27.
So-Me-On Corporation, New York, N. Y. Motifs or medallions. 219,997; Apr. 27.
Spadra Coal Company, The, Clarksville, Ark. Anthracite coal. 208,685; Apr. 27.
Spillers Victoria Foods, Limited, London, England. Food for dogs. 227,091–2; Apr. 27.
Sterling Products Company, The, Cleveland, Ohio. Calking, pointing, and glazing compounds. 227,859; Apr. 27.
Storts, T. H., Milwaukee, Wis. Vapor remedy for catarrh, etc. 228,147; Apr. 27.
Stout, Orin C., doing business as Cilia-Derma Products Co., Columbus, Ohio. Liquid shampoo. 210,986; Apr. 27.
Strauss, Louis, & Son, New York, N. Y. Misses' and ladies' hats. 225,309; Apr. 27.
Superior Engineering Company, Chicago, Ill. Oil burners and parts thereof. 226,085; Apr. 27.
Tablet & Ticket Co., The, Chicago, Ill. Sign letters. 227,202; Apr. 27.
Tarentum Paper Mills Company, Tarentum, Pa. Insulating paper for use in insulating electric conductors. 226,215; Apr. 27.
Taygo Laboratories. (See Gordon, Wilbur C.)
Ternstedt Manufacturing Company, Detroit, Mich. Automobile body hardware comprising window regulators and parts thereof. 198,543; Apr. 27.
Ternstedt Manufacturing Company, Detroit, Mich. Automobile body hardware. 198,544; Apr. 27.
Thompson, Anna E., Philadelphia, Pa. Hot-water generators and tanks connected therewith. 227,923; Apr. 27.
Thompson's Dairy, Washington, D. C. Pasteurized milk, butter, and cheese. 228,279; Apr. 27.
Thurgar, Harry D., London, England. Hair combs, slides, curlers, and wavers. 223,060; Apr. 27.
Tiedeman Glove Co., Toledo, Ohio. Gloves. 227,865; Apr. 27.
Tilo Products Corporation, New York, N. Y. Roofing materials. 209,254; Apr. 27.
Tingue, Brown & Co., New York, N. Y. Printers' press blankets. 192,200; Apr. 27.
Tokalon Chemical Corporation, New York, N. Y. Witch-hazel water for the eyes. 227,046; Apr. 27.
Townley Metal and Hardware Company, Kansas City, Mo. Knives, forks, and spoons. 213,814; Apr. 27.
Trask, Gertrude M., Dorchester, Mass. Russian relish. 224,938; Apr. 27.
Tucker, William, Brooklyn, N. Y. Hair tonic. 227,975; Apr. 27.
Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Metal strips, ventilating grilles, and ventilating screens. 228,338; Apr. 27.
Ulluci, Andrea, Sess A Arunca, Italy. Medicine for the stomach and blood. 228,582; Apr. 27.
United States Metals Refining Company, Carteret, N. J. Wire bars, ingots, cakes of gold, etc. 228,508; Apr. 27.
Van Dorn, Irvin E., St. Paul, Minn. Hair nets. 200,972; Apr. 27.
Vanitette Company, Inc., San Francisco, Calif. Face powder. 228,150; Apr. 27.
Veby Radio Co., Newark, N. J. Resistance couplers, resistors, resistance-coupled amplifiers, and radio power tubes. 228,073; Apr. 27.
Vogue Knitting Company, Womelsdorf, Pa. Underwear and hosiery. 228,583; Apr. 27.
Wadhams & Kerr Brothers, Portland, Oreg. Coffee, tea, spices, mustard, etc. 222,587; Apr. 27.
Wallace Pencil Company, St. Louis, Mo. Pencils, pen holders, erasers, and crayons. 226,752–3; Apr. 27.
Walters, Edgar B., Organization, Inc., New York, N. Y. Pipes. 228,285; Apr. 27.
Waltham Watch and Clock Company, now, by change of name, Waltham Watch Company, Waltham, Mass. Speed and distance indicators. 192,459; Apr. 27.
Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft, Schonau, near Chemnitz, Germany. Adding machines, calculating machines, cash registers, etc. 228,286; Apr. 27.
Warner, William D., Columbus, Ohio. Sound amplifiers and reflectors for radio loud speakers. 228,517; Apr. 27.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 177,757; Apr. 27.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 226,754; Apr. 27.
Watkins, J. R., Company, The, Winona, Minn. Face powders, complexion powders, smelling salts, etc. 228,789; Apr. 27.
Weinstock, Samuel L., Philadelphia, Pa. Cough and cold mixtures. 219,704; Apr. 27.
Wenger, Morris, doing business as The House of Wenger, Philadelphia, Pa. Perfumes and toilet waters. 228,877; Apr. 27.
Wesley & Winter, Inc., Newark, N. J. Writing paper and mailing envelopes. 227,377; Apr. 27.
Western Merchandise Co., The, Abilene, Kans. Notebooks, paper, writing paper, wrapping paper, pens, pencils, and erasers. 227,380; Apr. 27.
White Dove Mills. (See Haupt, Peter.)
Wickwire Spencer Steel Company, New York, N. Y. Bronze grilles used mainly for ventilating purposes. 227,430; Apr. 27.
Williams, J. B., Company, The, Glastonbury, Conn. Shaving soap, toilet soap, shaving cream, etc. 226,032; Apr. 27.
Winchell, Benjamin G., Chicago, Ill. Prepared luncheons. 215,113; Apr. 27.
Windsor Ale Co. (See Goldstein, Louis.)
Winkler, Kaspar, & Co., Altstetten, near Zurich, Switzerland. Waterproofing and hardening composition and means for mortar and beton and concrete. 225,120; Apr. 27.
Wishnick-Tumpeer Chemical Co., Inc., Chicago, Ill. Chemicals. 222,973; Apr. 27.
Wood, D. E., Butter Company, The, Evansville, Wis., and Chicago, Ill. Oleomargarine and nut margarine. 227,547; Apr. 27.
Yokelson-Cooper, Inc., New York, N. Y. Imitation emeralds. 226,993; Apr. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Abrasive in the raw state, Aluminous crystallized. Société des Forces Motrices des la Vallee d'Aspe. 212,179; Apr. 27; Serial No. 222,348; published Jan. 12, 1926.
Coal. Lorain Coal and Dock Company. 212,076; Apr. 27; Serial No. 222,855; published Jan. 12, 1926.
Coal. A. McIntyre. 212,074; Apr. 27; Serial No. 223,046; published Jan. 12, 1926.
Coal. Pardee Brothers & Company. 212,049; Apr. 27; Serial No. 222,791; published Feb. 2, 1926.
Coal, Bituminous. M. A. Hanna Coal & Dock Company. 212,244; Apr. 27; Serial No. 221,367; published Jan. 19, 1926.
Coal, carbonized fuel, and coke. J. P. Burton Coal Company. 212,097; Apr. 27; Serial No. 222,062; published Jan. 19, 1926.
Leather, Patent. Keystone Leather Co. 55,688; renewed Aug. 21, 1926.
Plants, trees, and flowers, Ornamental. Reasoner Brothers' Royal Palm Nurseries. 212,085; Apr. 27; Serial No. 215,023; published Jan. 19, 1926.
Rosin. Progressive Musical Instrument Corporation. 212,239; Apr. 27; Serial No. 223,328; published Jan. 19, 1926.
Sand and gravel. Union Sand & Gravel Co. 212,234; Apr. 27; Serial No. 223,753; published Jan. 19, 1926.
Seeds. J. F. O'Keefe. 212,233; Apr. 27; Serial No. 223,800; published Jan. 19, 1926.
Seeds, bulbs, and plants. H. W. Buckbee, Rockford Seed Farms, Forest City Greenhouses. 212,090; Apr. 27; Serial No. 208,742; published Feb. 2, 1926.
Seeds, Flower, vegetable, lawn, and field. G. E. Hofmeister. 212,335; Apr. 27.
Seeds, Grass. Albert Dickinson Company. 212,245; Apr. 27; Serial No. 221,243; published Jan. 19, 1926.
Skins and pelts treated to resemble beaver, Raw and dressed. A. Pierini. 212,148; Apr. 27; Serial No. 213,042; published Nov. 17, 1925.
Waste and artificial-silk waste, Silk. Martin Nathan Co. 212,230; Apr. 27; Serial No. 223,932; published Feb. 2, 1926.

CLASS 2.

Receptacles. Perin-Walsh Company. 212,101; Apr. 27; Serial No. 220,617; published Dec. 29, 1925.

CLASS 3.

Blankets, Horse. William Ayres & Sons. 55,341; renewed Aug. 14, 1926.
Cases, bags, trunks, and dressing cases, Dress-suit. E. N. Kennedy, Incorporated. 212,281; Apr. 27; Serial No. 223,921; published Feb. 9, 1926.
Pocketbooks, Leather. McCabe & Schoenholz, Inc. 212,280; Apr. 27; Serial No. 223,856; published Feb. 9, 1926.
Pouches, cases, or containers, Key. C. Lorber. 212,282; Apr. 27; Serial No. 224,029; published Feb. 9, 1926.
Purses and hand bags, Leather. Gorham Mfg. Company. 54,036; renewed June 19, 1926.
Trunks, bags, and suitcases. Independent Trunk & Bag Co. 212,188; Apr. 27; Serial No. 223,092; published Feb. 9, 1926.

CLASS 4.

Cleansing powder, Water-soluble. Quaker Products Company. 212,349; Apr. 27.
Oil and grease, Soluble. Arabol Manufacturing Co. 54,806; renewed July 31, 1926.
Oil and soluble grease, Turkey-red. Arabol Manufacturing Co. 51,416; renewed Apr. 17, 1926.
Polish in liquid, powder, or paste form, Silver. Gorham Mfg. Co. 52,661; renewed May 15, 1926.
Soap in paste form. D. Dante. 212,341; Apr. 27.
Soap, Medicinal. Barclay & Barclay. 50,535; renewed Mar. 20, 1926.
Soap powder combined with mineral ingredients. Cudahy Packing Co. 50,697; renewed Mar. 27, 1926.
Soaps. Franklin Simon & Co. 212,339; Apr. 27.
Soaps, soap jelly, powder, and flakes, and soap creams used before shaving, Laundry and toilet. J. R. Watkins Company. 212,362; Apr. 27.
Washing powder. Ruschaupt Bros. 54,795; renewed July 31, 1926.

CLASS 6.

Alteratives. Inland Chemical Co. 49,567; renewed Feb. 13, 1926.
Ammonia. Frank E. Harris Co. 212,126; Apr. 27; Serial No. 224,402; published Feb. 9, 1926.
Analgesic and sedative. Dr. Miles Medical Co. 54,274; renewed June 26, 1926.
Antiseptic disinfectant and deodorant compound. George E. Halsey, Inc. 212,312; Apr. 27; Serial No. 220,852; published Feb. 9, 1926.
Antiseptic refrigerants for wounds. G. H. Tichenor, M. D. 50,560; renewed Mar. 20, 1926.
Baking powder. Sprague, Warner & Company. 52,185; renewed May 1, 1926.
Baking powder. Sprague, Warner & Company. 53,013; renewed May 22 1926.
Carburizing compound. Security Manufacturing Company. 212,157; Apr. 27; Serial No. 224,426; published Feb. 9, 1926.
Chemical compound adapted to remove tarnishing impurities, such as sulphides, from the air. Woolworth Chemical Company. 212,328; Apr. 27.
Chemical preparation. McKesson & Robbins. 50,983; renewed Apr. 3, 1926.
Chemical preparations. McKesson & Robbins. 52,720; renewed May 15, 1926.
Compound for oxidizing metals and a compound for use in giving sulphur baths, Concentrated. Sulphur Products Company. 212,334; Apr. 27.
Compound for treating pyorrhea. Bedwell & Hamilton. 212,158; Apr. 27; Serial No. 224,448; published Feb. 9, 1926.
Cream, Face. F. Russo. 212,228; Apr. 27; Serial No. 224,207; published Feb. 16, 1926.
Deodorant, Body. A. J. Schele. 212,163; Apr. 27; Serial No. 224,534; published Feb. 9, 1926.
Device having the properties of repelling and exterminating moths, other insects, and rodents and of deodorizing, fumigating, scenting, etc. Nuodex Products Co. 212,038; Apr. 27; Serial No. 224,346; published Feb. 9, 1926.
Disinfectant or deodorant compound. Janitors' Supply House, Inc. 212,089; Apr. 27; Serial No. 209,793; published Feb. 9, 1926.
Dyes for treating fabrics. William Edge & Sons Limited. 55,725; renewed Aug. 21, 1926.
Hairdressing. Certified Products Company. 212,137; Apr. 27; Serial No. 207,653; published Feb. 9, 1926.
Hairdressing. Garry & Company. 212,112; Apr. 27; Serial No. 223,959; published Feb. 9, 1926.
Hair restoratives and hair tonics. Citizens' Wholesale Supply Company. 55,666; renewed Aug. 21, 1926.
Ink eradicator, Fluid. Ink-Out Manufacturing Co. 212,229; Apr. 27; Serial No. 224,092; published Feb. 9, 1926.
Laxative compound. Magda Laboratories. 212,159; Apr. 27; Serial No. 224,466; published Feb. 9, 1926.
Liniment. F. G. Boynton. 49,993; renewed Feb. 27, 1926.
Manicure preparations. Dr. M. Albersheim. 212,140; Apr. 27; Serial No. 218,889; published Feb. 9, 1926.
Medicinal preparation. W. A. Purington. 212,162; Apr. 27; Serial No. 224,531; published Feb. 9, 1926.
Medicine. E. R. Moras. 53,931; renewed June 12, 1926.
Medicine, Headache. Treadwell & Moore. 54,986; renewed Aug. 7, 1926.
Medicine, Purgative. F. G. Boynton. 49,994; renewed Feb. 27, 1926.
Oil, Healing pine. M. W. Savage. 50,946; renewed Apr. 3, 1926.
Ointment. L. C. Nickerson. 51,940; renewed Apr. 24, 1926.
Perfume. Houbigant, Inc. 212,138; Apr. 27; Serial No. 210,556; published Feb. 9, 1926.
Perfume, toilet water, hair tonic, shampoo, paste rouge, etc. Klinker Manufacturing Co. 212,336; Apr. 27.
Pharmaceutical preparations for the treatment of kidney diseases. McKesson & Robbins. 50,752; renewed Mar. 27, 1926.
Pills. Potter Drug & Chemical Corporation. 55,708; renewed Aug. 21, 1926.
Powders, Condition. F. G. Boynton. 50,775; renewed Mar. 27, 1926.
Powders, Condition. F. G. Boynton. 55,593; renewed Aug. 21, 1926.
Powders, toilet waters rouges perfumes, etc., Face. O. J. Cohen. 212,164; Apr. 27; Serial No. 224,595; published Feb. 9, 1926.
Preparations, Toilet. Citizens' Wholesale Supply Co. 55,809; renewed Aug. 21, 1926.
Remedy, Laxative. McKesson & Robbins. 53,930; renewed June 12, 1926.
Rouge for face and lips, Liquid. C. D. Reynolds. 212,160; Apr. 27; Serial No. 224,473; published Feb. 9, 1926.
Salts, Bath. James Beach & Sons. 212,042; Apr. 27; Serial No. 223,993; published Feb. 9, 1926.
Tablet for relief of pain. Barbasol Company. 212,161; Apr. 27; Serial No. 224,494; published Feb. 9, 1926.
Toilet preparations. Kny-Scheerer Company. 51,326; renewed Apr. 10, 1926.
Toilet preparations. Dr. J. Parker Pray Company, Limited. 54,971; renewed Aug. 7, 1926.
Tonic and reconstructive. Ralph F. Burnham Company. 212,342; Apr. 27.
Tonic, reconstructive histogenetic. T. W. Stemmler. 55,721; renewed Aug. 21, 1926.
Vermifuge. Gilpin, Langdon & Company. 55,607; renewed Aug. 21, 1926.

CLASS 7.

Rope and cordage. Wall Rope Works, Inc. 212,045; Apr. 27; Serial No. 223,565; published Jan. 12, 1926.
Rope, cord, lines, and twine. American Manufacturing Company. 55,962; renewed Aug. 21, 1926.

CLASS 8.

Cigarette papers. G. Kazes. 212,130; Apr. 27; Serial No. 225,228; published Feb. 16, 1926.

CLASS 9.

Ammunition. United States Cartridge Company. 212,211; Apr. 27; Serial No. 224,791; published Feb. 9, 1926.
Matches. E. Hansson. 212,195; Apr. 27; Serial No. 220,229; published Feb. 9, 1926.
Shot. Selby Smelting & Lead Company. 52,629; renewed May 15, 1926.

CLASS 10.

Fertilizer. Nitrate Agencies Company. 212,242; Apr. 27; Serial No. 222,273; published Feb. 9, 1926.
Fertilizer and fertilizer materials. Amos Eby & Company. 212,307; Apr. 27; Serial No. 219,867; published Feb. 2, 1926.
Fertilizing material, Tablets of. International Agricultural Corporation. 212,106; Apr. 27; Serial No. 224,972; published Feb. 2, 1926.

CLASS 12.

Asbestos fiber and covering. Beldam Packing & Rubber Company Limited. 212,147; Apr. 27; Serial No. 215,963; published Jan. 19, 1926.
Bricks. Streator Brick Company. 212,068; Apr. 27; Serial No. 223,262; published Jan 19, 1926.
Cement, Portland. I. C. Johnson & Co., Limited. 54,785; renewed July 31, 1926.
Cement, Portland. Pacific Portland Cement Co. 54,476; renewed June 26, 1926.
Cement, Roofing. C. W. Keenan, Inc. 212,144; Apr. 27; Serial No. 220,610; published Jan. 12, 1926.
Cements, Refractory. Carborundum Company, The. 212,240; Apr. 27; Serial No. 223,284; published Jan. 19, 1926.
Concrete and cement floor hardener. L. Jackson. 212,040; Apr. 27; Serial No. 224,094; published Feb. 2, 1926.
Construction materials. Marbleloid Company. 212,075; Apr. 27; Serial No. 222,933; published Feb. 2, 1926.
Fabrics. Union Fibre Co. 53,018; renewed May 22, 1926.
Fire-resisting powdered material. Alpha-Lux Company. 212,083; Apr. 27; Serial No. 221,996; published Jan. 12, 1926.
Houses, knockdown sheds and garages, Portable. C. M. Chaney. 212,072; Apr. 27; Serial No. 223,080; published Feb. 2, 1926.
Insulating materials for buildings, Heat. Johns-Manville, Incorporated. 212,154; Apr. 27; Serial No. 205,483; published Jan. 19, 1926.
Lumber. Cadwallader-Gibson Co. 212,065; Apr. 27; Serial No. 222,559; published Feb. 2, 1926.
Lumber. Cadwallader-Gibson Co. 212,079–80; Apr. 27; Serial Nos. 222,560–1; published Feb. 2, 1926.
Lumber. S. E. Lyons Lumber Co. 212,151; Apr. 27; Serial No. 206,246; published Jan. 26, 1926.
Lumber and flooring. W. M. Ritter Lumber Company. 212,069–70; Apr. 27; Serial Nos. 223,192–3; published Feb. 2, 1926.
Ornamental architectural figures and ornaments. Kraus Kastone Products Corporation. 212,077; Apr. 27; Serial No. 222,749; published Jan. 26, 1926.
Plaster. Beaver Products Company. 212,152; Apr. 27; Serial No. 205,731; published Feb. 2, 1926.
Plaster, Quick-setting. Charles Warner Co. 212,071; Apr. 27; Serial No. 223,108; published Jan. 12, 1926.
Roofing and asphalt and slate surfaced shingles, Rolled. Pioneer Paper Company. 212,064; Apr. 27; Serial No. 224,353; published Feb. 2, 1926.
Shingles, Rock-surfaced asphalt. Pioneer Paper Company. 212,225; Apr. 27; Serial No. 224,357; published Feb. 2, 1926.
Slates, slabs, Artificial. L. Scheerders Van Kerchove. 212,082; Apr. 27; Serial No. 222,053; published Jan. 12, 1926.
Tiles, tile door frames, etc. C. Pardee Works. 212,183; Apr. 27; Serial No. 222,793; published Jan. 19, 1926.

CLASS 13.

Belt fasteners. C. S. Eaton. 55,496; renewed Aug. 14, 1926.
Casters. Keystone Forging Company. 212,359; Apr. 27.
Coffee infusers. Tricolator Company. 212,219; Apr. 27; Serial No. 225,496; published Feb. 16, 1926.
Culinary, household, and dairy utensils. Reed Manufacturing Co. 212,220; Apr. 27; Serial No. 225,281; published Feb. 16, 1926.
Culinary, household, and dairy utensils, Metal. Reed Manufacturing Co. 212,221; Apr. 27; Serial No. 225,279; published Feb. 16, 1926.
Hardware. Haines Manufacturing Corporation. 212,358; Apr. 27.
Metal tubes. Yorkshire Copper Works, Limited. 212,355; Apr. 27.
Traps and bends, Lead. Selby Smelting & Lead Company. 52,631; renewed May 15, 1926.
Valves and strainers, tubular well points, spool valves, fire hydrants, etc., Deep-well foot. A. D. Cook, Incorporated. 212,351; Apr. 27.

CLASS 14.

Alloy of metals. Dunham Company. 212,107; Apr. 27; Serial No. 224,961; published Feb. 16, 1926.
Castings, also rolled and hammered bars and forgings of carbon and alloy steels. J. C. McGuire. 212,122; Apr. 27; Serial No. 225,128; published Feb. 16, 1926.
Corrugated metal sheets and plain metal sheets. Newport Rolling Mill Co. 212,103; Apr. 27; Serial No. 219,344; published Feb. 9, 1926.
Iron. Kloster Steel Corporation. 212,096; Apr. 27; Serial No. 222,326; published Feb. 9, 1926.
Iron and steel, raw bars, and blooms, Wrought and rolled. Stora Kopparbergs Bergslags Aktiebolag. 212,305–6; Apr. 27; Serial Nos. 220,042–3; published Feb. 9, 1926.
Lead, solder, and babbitt, etc. American Smelting & Refining Company. 212,094; Apr. 27; Serial No. 225,542; published Feb. 16, 1926.
Lead, solder, and babbitt, etc. American Smelting & Refining Company. 212,123; Apr. 27; Serial No. 225,544; published Feb. 16, 1926.
Solder, babbitt, or other antifriction metal. Selby Smelting & Lead Company. 52,630; renewed May 15, 1926.
Welding rods, Mild steel, iron, and high carbon. Stoody Company. 212,095; Apr. 27; Serial No. 225,530; published Feb. 16, 1926.
Welding rods, Self-hardening alloy-steel. Stoody Company. 212,119; Apr. 27; Serial No. 225,529; published Feb. 16, 1926.

CLASS 15.

Fuel composed of a blend of benzol and gasoline, Motor. General Oil Corporation. 212,054; Apr. 27; Serial No. 196,913; published Feb. 9, 1926.
Gasoline. Western Refining and Oil Company. 212,056; Apr. 27; Serial No. 191,211; published Feb. 2, 1926.
Gasoline and hydrocarbon motor fuel. Shriver Oil Company. 212,315–6; Apr. 27; Serial Nos. 221,854–5; published Feb. 2, 1926.
Gasoline, benzine, petroleum distillate, etc. Atkins, Kroll & Co. 212,266; Apr. 27; Serial No. 224,069; published Feb. 2, 1926.
Gasoline, kerosene, fuel oil, and petroleum distillate. W. H. Barber Company. 212,271; Apr. 27; Serial No. 222,775; published Jan. 12, 1926.
Gasoline, kerosene, lubricating oil and greases. Continental Oil Company. 212,187; Apr. 27; Serial No. 223,083; published Jan. 12, 1926.
Gasoline, road and lubricating oils, naphtha. Warner-Quinlan Company. 212,311; Apr. 27; Serial No. 217,592; published Oct. 13, 1925.
Grease, Lubricating. Christian-Able Company. 212,037; Apr. 27; Serial No. 214,399; published Feb. 16, 1926.
Liquid hydrocarbon. Rockgas Products Company. 212,036; Apr. 27; Serial No. 215,024; published Feb. 2, 1926.
Oils and grease, Lubricating. C. F. Kellom. 53,727; renewed June 12, 1926.
Oils and greases, gasoline, and kerosene, Lubricating. States Oil Company. 212,210; Apr. 27; Serial No. 224,733; published Feb. 9, 1926.
Oils and greases, Lubricating. Corning Oil Company. 212,063; Apr. 27; Serial No. 208,044; published Nov. 17, 1925.
Oils, Filter-media. Spray Engineering Company. 212,185; Apr. 27; Serial No. 222,963; published Jan. 19, 1926.
Oils for confectioners' use, Lubricating and slab. Underhay Oil Co. 212,128; Apr. 27; Serial No. 224,847; published Feb. 16, 1926.
Oils, Fuel and lubricating. A. T. Locke. 212,251; Apr. 27; Serial No. 224,567; published Feb. 9, 1926.
Oils, greases, gasoline, and paraffin. Georg Schicht A. G. 212,325; Apr. 27; Serial No. 214,623; published Jan. 26, 1926.
Oils, Lubricating. Atlantic Refining Company. 51,677; renewed Apr. 24, 1926.
Oils, Lubricating. Rigo Manufacturing Company. 212,190; Apr. 27; Serial No. 223,190; published Jan. 19, 1926.
Oils, Motor-lubricating. Dearborn Chemical Company. 212,129; Apr. 27; Serial No. 224,906; published Feb. 16, 1926.

CLASS 16.

Colors, Metallic water. Gerstendorfer Bros. 52,441; renewed May 8, 1926.
Enamel, Paint. Great Lakes Varnish Works, Inc. 212,194; Apr. 27; Serial No. 219,963; published Jan. 26, 1926.
Paint enamels. Great Lakes Varnish Works, Inc. 212,323; Apr. 27; Serial No. 223,707; published Jan. 26, 1926.
Paint for the bottoms of ships and boats, Preservative. Tarr & Wonson Limited. 53,961–2; renewed June 19, 1926.
Paint oils. Kay and Ess Co. 55,001; renewed Aug. 7, 1926.
Paint, Waterproof structural and roof. Atlantic Refining Company. 52,055; renewed May 1, 1926.
Paints. Toch Brothers. 50,490; renewed Mar. 20, 1926.
Paints, Artists' relief. Conrad & Hoehne, Inc. 212,287; Apr. 27. Serial No. 224,322; published Feb. 2, 1926.

Paints, enamels, varnishes, and wood stains, oil and varnish. Gerstendorfer Bros. 51,988; renewed May 1, 1926.
Paints, Mixed. Kay and Ess Co. 55,002; renewed Aug. 7, 1926.
Paints, paint enamels, thinner, lacquer, primer, etc. R. F. Johnston Paint Company. 212,248; Apr. 27; Serial No. 224,336; published Feb. 2, 1926.
Paints, Ready-mixed. Standard Varnish Works. 212,289; Apr. 27; Serial No. 217,968; published Nov. 10, 1925.
Paints, wagon, roof, barn, and floor paint, varnish stains, stair finish, etc. Progress Paint Mfg. Co. 212,365; Apr. 27.
Polish, Auto and furniture. B. Weiss. 212,156; Apr. 27; Serial No. 190,221; published Jan. 12, 1926.
Polish, Automobile and furniture. D. E. Benjamin. 212,146; Apr. 27. Serial No. 216,137; published Jan. 12, 1926.
Polish, Automobile and furniture. G. H. Irvine. 212,155; Apr. 27; Serial No. 203,821; published Jan. 19, 1926.
Polish, Wax and liquid. Peerless Products Co. 212,193; Apr. 27; Serial No. 223,403; published Jan. 26, 1926.
Preservative, Metal and wood. Toch Brothers. 51,976; renewed May 1, 1926.
Primer, surfacer, glazing putty, lacquer enamel, lacquer polish, etc. Pratt & Lambert, Inc. 212,182; Apr. 27; Serial No. 22,632; published Feb. 2, 1926.
Talc, a dry paint. General Trading Corporation. 212,186; Apr. 27; Serial No. 222,981; published Jan. 26, 1926.
Tinters for mortar or plaster compounds. Toch Brothers, Incorporated. 212,319; Apr. 27; Serial No. 223,559; published Feb. 2, 1926.
Turpentine. L. Y. Clark. 212,246; Apr. 27; Serial No. 219,059; published Feb. 16, 1926.
Varnish and paint enamel products. Krenter-Faasen Co. 212,201; Apr. 27; Serial No. 220,730; published Jan. 26, 1926.
Water and stain proofing liquid. Toch Brothers, Incorporated. 212,320; Apr. 27; Serial No. 223,560; published Feb. 2, 1926.

CLASS 17.

Cigars. Banner Cigar Mfg. Co. 50,395; renewed Mar. 13, 1926.
Cigars. A. Santaella & Co. 51,391–3; renewed Apr. 17, 1926.

CLASS 19.

Automobile luggage carriers. Tourist Supply Co. 212,061; Apr. 27; Serial No. 208,322; published July 28, 1925.
Automobile ventilators. Adams & Westlake Company. 212,099; Apr. 27; Serial No. 221,733; published Feb. 2, 1926.
Automobiles and constructive parts thereof. Package Motor Car Company. 212,073; Apr. 27; Serial No. 223,049; published Feb. 2, 1926.
Bicycles. Shelby Cycle Company. 212,167; Apr. 27. Serial No. 224,934; Published Feb. 2, 1926.
Headlights, Deflector shield for automobile. Nofint Company. 212,100; Apr. 27; Serial No. 221,560; published Jan. 19, 1926.
Shock absorbers. Hawdos Corporation. 212,313; Apr. 27; Serial No. 220,950; published Jan. 12, 1926.
Vehicle hub caps. Chrysler Sales Corporation. 212,236; Apr. 27; Serial No. 223,686; published Jan. 19, 1926.

CLASS 20.

Linoleum. Kaufmann Department Stores, Inc. 212,343; Apr. 27.

CLASS 21.

Condensers. Haig & Haig Mfg. Co. 212,133; Apr. 27; Serial No. 204,231; published Feb. 2, 1926.
Insulating compound, Liquid. Federal Rubber Company of Illinois. 212,047; Apr. 27; Serial No. 223,226; published Feb. 2, 1926.
Rubber insulating compound. Okonite Company, Limited. 50,139; renewed Mar. 6, 1926.

CLASS 22.

Balls, Golf. Davega, Inc. 212,149; Apr. 27; Serial No. 210,116; published Feb. 16, 1926.
Cards, Playing. New York Consolidated Card Company. 50,073; renewed Mar. 6, 1926.
Cards, Playing. New York Consolidated Card Company. 50,106–8; renewed Mar. 6, 1926.
Cards, Playing. New York Consolidated Card Company. 50,110; renewed Mar. 6, 1926.
Cards, Playing. New York Consolidated Card Company. 50,112; renewed Mar. 6, 1926.
Cards, Playing. New York Consolidated Card Company. 52,014–8; renewed May 1, 1926.
Cards, Playing. New York Consolidated Card Company. 52,491; renewed May 8, 1926.
Cards, Playing. New York Consolidated Card Company. 52,552; renewed May 15, 1926.
Cards, Playing. New York Consolidated Card Company. 52,554; renewed May 15, 1926.
Cards, Playing. New York Consolidated Card Company. 52,556; renewed May 15, 1926.
Cards, Playing. New York Consolidated Card Company. 52,558–9; renewed May 15, 1926.
Cards, Playing. New York Consolidated Card Company. 53,131; renewed May 29, 1926.
Cards, Playing. New York Consolidated Card Company. 53,406; renewed June 5, 1926.
Cards, Playing. New York Consolidated Card Company. 53,427; renewed June 5, 1926.
Cards, Playing. New York Consolidated Card Company. 54,451–2; renewed June 26, 1926.
Cards, Playing. New York Consolidated Card Company. 55,508; renewed Aug. 14, 1926.
Cards, Playing. New York Consolidated Card Company. 55,509; renewed Aug. 14, 1926.
Cards, Playing. United States Playing Card Co. 50,078–9; renewed Mar. 6, 1926.
Cards, Playing. United States Playing Card Co. 50,116–7; renewed Mar. 6, 1926.
Cards, Playing. United States Playing Card Co. 50,350; renewed Mar. 13, 1926.
Cards, Playing. United States Playing Card Co. 50,352; renewed Mar. 13, 1926.
Cards, Playing. United States Playing Card Co. 51,202; renewed Apr. 10, 1926.
Cards, Playing. United States Playing Card Co. 51,378–80; renewed Apr. 17, 1926.
Cards, Playing. United States Playing Card Co. 51,749; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 51,751–3; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 51,755; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 52,025–8; renewed May 1, 1926.
Cards, Playing. United States Playing Card Co. 53,063; renewed May 22, 1926.
Cards, Playing. United States Playing Card. 53,089; renewed May 22, 1926.
Dolls. Strawbridge & Clothier. 55,583; renewed Aug. 14, 1926.
Fish bait. K. Johnson. 212,150; Apr. 27; Serial No. 206,410; published Feb. 16. 1926.
Game. Milton Bradley Company. 55,459; renewed Aug. 14, 1926.
Game, Card. Seymour and Muir Printing Company. 212,283; Apr. 27; Serial No. 224,058; published Feb. 16, 1926.
Sleds. S. L. Allen & Co. 55,077; renewed Aug. 7, 1926.
Sleds, V. E. Pearson. 212,227; Apr. 27; Serial No. 224,291; published Feb. 16, 1926.
Toy animals. B. L. Heustis. 212,031; Apr. 27; Serial No. 221,831; published Feb. 16, 1926.
Toy, Novelty. J. H. Blanchard. 212,268; Apr. 27; Serial No. 223,682; published Feb. 16, 1926.
Toy wagons. M. Pressner & Company. 212,055; Apr. 27; Serial No. 196,316; published Mar. 24, 1925.
Toys, games, miniature household furniture, etc. Kaufmann Department Stores, Inc. 212,344; Apr. 27.

CLASS 23.

Bearings, rings, washers, etc., Ball. Skayef Ball Bearing Company. 212,212; Apr. 27; Serial No. 224,833; published Feb. 9, 1926.
Clippers and their parts, Hair and wool. American Shearer Mfg. Co. 55,032; renewed Aug. 7, 1926.
Cultivator, Power. Frank Held Tractor Co. 212,176; Apr. 27; Serial No. 221,960; published Feb. 9, 1926.
Darbies. Sand's Level & Tool Co. 212,284; Apr. 27; Serial No. 224,154; published Feb. 9, 1926.
Hawks, Plasterers'. Sand's Level & Tool Co. 212,184; Apr. 27; Serial No. 222,946; published Feb. 9, 1926
Knives for mowers and reapers. Whitman & Barnes Manufacturing Co. 56,282; renewed Sept. 4, 1926.
Mowers and trimmmers, Lawn. Granite State Mowing Machine Co. 212 353; Apr. 27.
Pastry and confection designers. W. J. Ryan. 212,197; Apr. 27; Serial No. 220,474; published Feb. 9, 1926.
Planers and plane irons. Simmons Hardware Company. 53,685; renewed June 12, 1926.
Razors. H. Hessenbruch. 53,659; renewed June 12, 1926.
Razors and knives. Adolph Kastor & Bros. 54,356; renewed June 26, 1926.
Saws of all kinds. E. C. Atkins & Company. 54,741; renewed June 26, 1926.
Separators, Centrifugal cream. American Separator Company. 50,438; renewed Mar. 20, 1926.
Sewing machines and sewing-machine parts and attachments. Willcox & Gibbs Sewing Machine Co. 52,925–6; renewed May 22, 1926.
Threading machine. Williams Tool Corporation. 212,322; Apr. 27; Serial No. 223,674; published Feb. 9, 1926.
Typewriters, ribbon-inking machines, polytype type-printing machines, etc. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 212,050; Apr. 27; Serial No. 205,042; published Feb. 9, 1926.
Vending machines, Coin-operated. Mills Novelty Co. 56,172; renewed Aug. 28, 1926.

CLASS 25.

Locks and parcel lockers. Parloc Service Corporation. 212,252; Apr. 27; Serial No. 222,393; published Feb. 9, 1926.
Locks, Keyhole. Sentry Keyhole Lock Company. 212,118; Apr. 27; Serial No. 222,345; published Feb. 2, 1926.

Locks, padlocks, and keys. Miller Lock Company. 56,310–12; renewed Sept. 11, 1926.
Safes. Herring-Hall-Marvin Safe Company. 56,278–9; renewed Sept. 4, 1926.
Safes. Herring-Hall-Marvin Safe Company. 56,287; renewed Sept. 4, 1926.

CLASS 26.

Binoculars, including telescopes, opera, field, and marine glasses. Sussfeld, Lorsch & Schimmel. 212,318; Apr. 27; Serial No. 223,557; published Feb. 9, 1926.
Elastic and other properties of dough and other materials, Devices for determining the. Société d'Exploitation de Brevets et d'Applications Industrielles. 212,175; Apr. 27; Serial No. 221,458; published Feb. 9, 1926.
Picture films, Advertising and publicity motion-. Alexander Industries, Inc. 212,347; Apr. 27.
Rules, Folding. Lufkin Rule Co. 212,178; Apr. 27; Serial No. 222,262; published Feb. 8, 1926.
Ships' logs. Thomas Walker & Son Ltd. 51,574; renewed Apr. 17, 1926.
Ship logs. Thomas Walker & Son Ltd. 52,704; renewed May 15, 1926.
Ship logs and sounding machines. Thomas Walker & Son, Limited. 50,840; renewed Apr. 3, 1926.
Ships' logs and sounding machines. Thomas Walker & Son, Ltd. 52,382; renewed May 8, 1926.
Ship logs and sounding machines. Thomas Walker & Son, Limited. 52,703; renewed May 15, 1926.
Ship logs and sounding machines. Thomas Walker & Son, Limited. 52,705; renewed May 15, 1926.
Ship logs and sounding machines. Thomas Walker & Son, Limited. 54,687; renewed June 26, 1926.

CLASS 27.

Watches and clocks. Tiffany & Company. 56,105; renewed Aug. 21, 1926.

CLASS 28.

Silver hollow ware, flatware, and tableware. Wilcox & Wagoner Company. 54,692; renewed June 26, 1926.
Silverware, Plated. Gorham Mfg. Company. 54,331; renewed June 26, 1926.
Sterling and solid silver hollow ware, flatware, and tableware. Gorham Mfg. Company. 54,763; renewed June 26, 1926.

CLASS 29.

Brushes. John L. Whiting & Son Co. 52,830–2; renewed May 22, 1926.
Brushes. John L. Whiting & Son Co. 52,833; renewed May 22, 1926.
Brushes. John L. Whiting & Son Co. 52,834–8; renewed May 22, 1926.
Brushes. John L. Whiting & Son Co. 52,851–2; renewed May 22, 1926.
Brushes. John L. Whiting & Son Co. 52,864–70; renewed May 29, 1926.
Brushes, Hair, clothes, and hat. Florence Manufacturing Company. 55,063; renewed Aug. 7, 1926.
Mops, mop heads, and mop parts. Massachusetts Association for Promoting the Interests of the Adult Blind. 55,857; renewed Aug. 21, 1926.
Toothbrushes. Florence Manufacturing Company. 55,064; renewed Aug. 7, 1926.

CLASS 30.

Chinaware bowls. Ralston Purina Company. 212,059; Apr. 27; Serial No. 211,491; published Feb. 9, 1926.
Earthenware bowls, earthen dinner ware, crockery jars and jugs, etc. Kaufmann Department Stores, Inc. 212,345; Apr. 27.

CLASS 31.

Refrigerators. McCray Refrigerator Co. 52,105; renewed May 1, 1926.

CLASS 32.

Covers, saddle housings, lap robes, and dusters, Horse. William Ayres & Sons. 51,630; renewed Apr. 17, 1926.

CLASS 33.

Lens used in connection with automobile lamps. Indiana Lamp Corporation. 212,171; Apr. 27; Serial No. 219,280; published Feb. 16, 1926.

CLASS 34.

Air heating and circulating device, Combined. American Blower Company. 212,084; Apr. 27; Serial No. 215,674; published Jan. 12, 1926.
Blowtorches. Apex Stamping Company. 212,025; Apr. 27; Serial No. 222,655; published Feb. 2, 1926.
Burners, Oil. National Surfo Burner Corporation. 212,314; Apr. 27; Serial No. 221,765; published Jan. 19, 1926.
Candles and lighting fixtures other than electrical, Artificial. M. R. Birk. 212,139; Apr. 27; Serial No. 218,040; published Jan. 26, 1926.
Cigar lighters. M. E. Bernhardt. 212,026; Apr. 27; Serial No. 222,594; published Jan. 26, 1926.
Fuel-oil burners and stoves. F. Schroyer. 212,028; Apr. 26; Serial No. 222,344; published Jan. 19, 1926.
Furnaces, Pipeless. Babson Brothers. 212,232; Apr. 27; Serial No. 223,885; published Jan. 26, 1926.
Gas stoves and furnaces, Mixing arm and combination nozzle for. L. H. Geurink. 212,092; Apr. 27; Serial No. 187,738; published Jan. 19, 1926.
Generators, producers, and furnaces for making gas. Combustion Utilities Corporation. 212,134–5; Apr. 27; Serial No. 205,151–2; published Jan. 12, 1926.
Heaters, Automobile. F. W. Mussehl. 212,048; Apr. 27; Serial No. 223,048; published Jan. 12, 1926.
Heaters, furnaces, burners, boilers, etc., Station. Breese Engineering Corporation. 212,142; Apr. 27; Serial No. 219,166; published Jan. 12, 1926.
Ventilators. W. R. Poetsch. 212,046; Apr. 27; Serial No. 223,486; published Jan. 19, 1926.

CLASS 35.

Hose, Rubber. Speck, Marshall & Co. 52,821; renewed May 15, 1926.
Leathers and leather-packed plungers, Cup. A. D. Cook, Incorporated. 212,350; Apr. 27.
Piston and packing rings. Pennsylvania Piston Ring Company. 212,277; Apr. 27; Serial No. 146,732; published Sept. 12, 1922.

CLASS 36.

Organs. W. W. Kimball. 55,340; renewed Aug. 14, 1926.

CLASS 37.

Crayons. J. M. Holt. 53,422; renewed June 5, 1926.
Paperboard and envelopes or receptacles made therefrom. Thompson & Norris Co. 48,487; renewed Jan. 2, 1926.
Paper, Wrapping. Dill & Collins Co. 55,344; renewed Aug. 14, 1926.
Papers. Dill & Collins Co. 55,343; renewed Aug. 14, 1926.
Papers, Book. Reading Paper Mills. 212,332–3; Apr. 27, 1926.
Pencils, Lead. American Lead Pencil Company. 51,414; renewed Apr. 17, 1926.
Pencils, Lead. American Lead Pencil Company. 52,165; renewed May 1, 1926.
Writing sets and writing pads and leather-bound blotting pads, Leather. Gorham Mfg. Company. 54,597; renewed June 26, 1926.

CLASS 38.

Cards, Calling. C. M. Wilson. 212,360; Apr. 27.
Publications, Serial. Railway Equipment & Publication Co. 54,856; renewed July 31, 1926.

CLASS 39.

Apparel, Women's wearing. Ted Edelman, Inc. 212,255; Apr. 27; Serial No. 216,827; published Feb. 9, 1926.
Aprons and dresses. Onuas Aprons, Inc. 212,286; Apr. 27; Serial No. 224,290; published Feb. 9, 1926.
Bathing suits, trunks, shirts, etc. Franklin Sweater Mills. 212,253; Apr. 27; Serial No. 218,848; published Jan. 26, 1926.
Bloomers, princess slips, nightgowns, etc. American Maid Company. 212,181; Apr. 27; Serial No. 222,491; published Feb. 9, 1926.
Boots and shoes. J. W. Carter Company. 212,125; Apr. 27; Serial No. 225,110; published Feb. 9, 1926.
Boots and shoes, Leather. Heywood Boot & Shoe Company. 55,071; renewed Aug. 7, 1926.
Boots and shoes, Leather. Heywood Boot & Shoe Company. 55,310; renewed Aug. 14, 1926.
Boots and shoes, Leather. Jno. J. Schulten and Co. 50,343; renewed Mar. 13, 1926.
Clothing, Waterproof and rainproof. J. Weinberg and Sons. 212,301; Apr. 27; Serial No. 221,678; published Feb. 16, 1926.
Clothing, Work. Wyman, Partridge & Co. 212,196; Apr. 27; Serial No. 220,383; published Feb. 2, 1926.
Cravats. Levine & Jaffe. 212,229; Apr. 27; Serial No. 224,873; published Feb. 16, 1926.
Dresses and blouses. Sellmore Dress Company. 212,051; Apr. 27; Serial No. 201,470; published Nov. 25, 1924.
Dresses, One-piece. Chic-Knit Distributing Co. 212,093; Apr. 27; Serial No. 205,196; published Feb. 9, 1926.
Furs for wearing apparel, Manufactured. C. G. Gunther's Sons. 50,144; renewed Mar. 6, 1926.
Garments. P. A. Leaf. 212,192; Apr. 27; Serial No. 223,392; published Feb. 9, 1926.
Hats. Mabley and Carew Co. 212,143; Apr. 27; Serial No. 219,750; published Feb. 9, 1926.
Hats. Mallory Hat Company. 212,132; Apr. 27; Serial No. 199,374; published Feb. 9, 1926.
Hats, Boys'. Fine & Levy Inc. 212,039; Apr. 27; Serial No. 224,281; published Feb. 9, 1926.
Hats, Men's. Caradine Hat Company. 212,165; Apr. 27; Serial No. 224,902; published Feb. 9, 1926.
Hats, Misses' and girls'. Hecht Co. 212,288; Apr. 27; Serial No. 218,304; published Sept. 29, 1925.
Hose, Men's half. Climax Hosiery Mills. 212,327; Apr. 27; Serial No. 224,745; published Feb. 16, 1926.
Hosiery. Deerden Hosiery Mills, Inc. 212,214; Apr. 27; Serial No. 224,600; published Feb. 9, 1926.
Hosiery. Durham Hosiery Mills. 212,249; Apr. 27; Serial No. 224,504; published Feb. 9, 1926.

Hosiery. Paramount Knitting Co. 56,142; renewed Aug. 28, 1926.
Hosiery. Paramount Knitting Co. 56,144–5; renewed Aug. 28, 1926.
Hosiery. Puritest Silk Hosiery Corporation. 212,256; Apr. 27; Serial No. 224,620; published Feb. 9, 1926.
Hosiery. Wayne Knitting Mills. 56,097–8; renewed Aug. 21, 1926.
Overcoats and sack coats, Men's. Stein-Bloch Co. 212,153; Apr. 27; Serial No. 205,566; published Jan. 26, 1926.
Pants or bloomers, Babies' rubber. Parker, Stearns & Company. 212,215; Apr. 27; Serial No. 224,616; published Feb. 9, 1926.
Princess and costume slips, boudoir caps, brassières, and garters for women and children. Wurdeman Textile Mills, Inc. 212,172; Apr. 27; Serial No. 219,416; published Feb. 16, 1926.
Rubber soles and bottoms for shoes. Endicott Johnson Corporation. 212,124; Apr. 27; Serial No. 225,084; published Feb. 9, 1926.
Shoe counters. Rogers Fibre Company. 212,254; Apr. 27; Serial No. 218,500; published Oct. 6, 1925.
Shoes. Hamilton, Brown Shoe Company. 212,127; Apr. 27; Serial No. 225,185; published Feb. 9, 1926.
Shoes. Kalb Shoe Mfg. Co. 212,166; Apr. 27; Serial No. 224,916; published Feb. 9, 1926.
Shoes, Leather. Heywood Boot & Shoe Company. 55,309; renewed Aug. 14, 1926.
Suits and coats, Men's. Hart, Schaffner & Marx. 212,224; Apr. 27; Serial No. 224,560; published Feb. 9, 1926.
Suits and coats, Men's. Hart, Schaffner & Marx. 212,258; Apr. 27; Serial No. 224,559; published Feb. 16, 1926.
Suits, Men's. Foreman's Inc. 212,250; Apr. 27; Serial No. 224,556; published Feb. 9, 1926.
Suits, trunks, and shirts and sweater coats and vests, Bathing. Franklin Sweater Mills. 212,247; Apr. 27; Serial No. 219,388; published Jan. 26, 1926.
Sweaters. Perry Knitting Company. 212,279; Apr. 27; Serial No. 223,801; published Feb. 9, 1926.
Undergarments, Women's. R. Hanaskat. 212,231; Apr. 27; Serial No. 223,916; published Feb. 9, 1926.
Underhose. Marshall Field & Company. 212,034; Apr. 27; Serial No. 216,523; published Feb. 9, 1926.
Underwaists. E. H. Horwood. 53,552; renewed June 5, 1926.
Underwear, and gloves of leather, etc., Silk. Glovsilk Undergarment Co. Inc. 212,052; Apr. 27; Serial No. 201,084; published Feb. 9, 1926.
Underwear, Ladies' and children's silk. A. Manheim. 212,257; Apr. 27; Serial No. 224,568; published Feb. 9, 1926.

CLASS 40.

Artificial flowers, fans, barettes, combs, hairpins, and shoehorns. Woodward & Lothrop. 212,067; Apr. 27; Serial No. 223,268; published Feb. 16, 1926.
Beads without holes and crystalline beads, Powdered-glass. Dritz-Traum Co. 212,078; Apr. 27; Serial No. 222,564; published Feb. 2, 1926.
Buttons and buckles. Bakelite Corporation. 212,066; Apr. 27; Serial No. 222,157; published Feb. 16, 1926.
Cord or ribbon binding. H. M. Eaton, trustee. 212,027; Apr. 27; Serial No. 222,446; published Feb. 9, 1926.
Fringes and art needlework. Powers, Friend & Lichtman. 212,237–8; Apr. 27; Serial Nos. 223,601–2; published Feb. 2, 1926.
Fringes, braids, galloons, cords, etc. E. L. Mansure Company. 212,102; Apr. 27; Serial No. 219,974; published Feb. 9, 1926.
Furs and fur pieces, Backings for. Freydberg Bros., Inc. 212,364; Apr. 27.
Hat-size reducers for ladies' hats. De Leon Bandeau Co. 212,235; Apr. 27; Serial No. 223,692; published Feb. 2, 1926.
Tapes and trimmings, Bias-fold. William E. Wright and Sons Company. 212,222; Apr. 27; Serial No. 224,638; published Feb. 16, 1926.

CLASS 41.

Umbrellas and parasols. Gorham Mfg. Company. 54,077; renewed June 19, 1926.

CLASS 42.

Bagging. American Manufacturing Company. 55,963–5; renewed Aug. 21, 1926.
Bagging. American Manufacturing Company. 56,028–30; renewed Aug. 21, 1926.
Blankets and blanket material in the piece, Textile. Esmond Mills. 212,296; Apr. 27; Serial No. 225,876; published Feb. 16, 1926.
Blankets, Textile. Pendleton Woolen Mills. 212,278; Apr. 27; Serial No. 223,742; published Feb. 9, 1926.
Cashmere and wool cloth in the piece. S. Stroock & Co., Inc. 212,060; Apr. 27; Serial No. 211,391; published Feb. 9, 1926.
Cotton and cotton and silk mixture piece goods. H. R. Kurtz & Co., Inc. 212,226; Apr. 27; Serial No. 224,339; published Feb. 2, 1926.
Cotton, cotton and silk, and silk piece goods and curtains made from the same. Cohn Hall Marx Co. 212,354; Apr. 27.
Cotton fabrics, mixtures of cotton and silk, mixtures of cotton and wool, and mixtures of cotton, silk, and wool. Cohn-Hall-Marx Co. 212,105; Apr. 27; Serial No. 217,660; published Feb. 16, 1926.
Cotton goods in the piece. Standard Cloth Company. 212,200; Apr. 27; Serial No. 224,732; published Feb. 9, 1926.
Cotton piece goods. American Printing Company. 212,340; Apr. 27.
Cotton piece goods. Amory, Browne & Co. 55,590; renewed Aug. 21, 1926.
Cotton piece goods. Appleton Company. 212,218; Apr. 27; Serial No. 225,693; published Feb. 16, 1926.
Cotton piece goods. J. L. Stifel & Sons. 212,297; Apr. 27; Serial No. 225,748; published Feb. 16, 1926.
Cotton sheetings and drillings. Piedmont Mfg. Co. 55,950; renewed Aug. 21, 1926.
Cotton, silk, and artificial-silk fabrics. Edwin Wasser, Inc. 212,081; Apr. 27; Serial No. 222,149; published Feb. 2, 1926.
Cotton, silk, woolen, or mixed materials, Short lengths of. Bear Mill Manufacturing Company. 212,109; Apr. 27; Serial No. 224,374; published Feb. 9, 1926.
Damasks, Bleached, gray, printed, and fancy. Neuss, Hesslein & Co. 53,892; renewed June 12, 1926.
Drapery fabrics of cotton, wool, silk, and mixtures thereof. Cohn-Hall-Marx Co. 212,269; Apr. 27; Serial No. 223,621; published Feb. 16, 1926.
Goods in the piece, carpets, and matting. Kaufmann Department Stores, Inc. 212,346; Apr. 27.
Handkerchiefs. Sterling Handkerchief Manufacturing Co. 212,262; Apr. 27; Serial No. 224,434; published Feb. 16, 1926.
Handkerchiefs. Sterling Handkerchief Manufacturing Co. 212,298; Apr. 27; Serial No. 225,814; published Feb. 16, 1926.
Knitted fabric. Alcone Knitting Mills. 212,204; Apr. 27; Serial No. 221,299; published Feb. 9, 1926.
Mohair piece goods and piece goods of combination of cotton, wool, mohair, alpaca, etc. Goodall Worsted Co. 212,203; Apr. 27; Serial No. 220,896; published Feb. 9, 1926.
Padding for laundry-machinery rolls, Woven cotton. Tingue, Brown & Co. 212,086; Apr. 27; Serial No. 212,161; published Feb. 16, 1926.
Piece goods. Lesher, Whitman & Co. 212,180; Apr. 27; Serial No. 222,467; published Feb. 9, 1926.
Silk and wool piece goods. Susquehanna Silk Mills. 212,032; Apr. 27; Serial No. 217,905; published Feb. 9, 1926.
Silk, artificial-silk, sateen, etc., fabrics in the piece. A. Hoenigsberger. 212,300; Apr. 27; Serial No. 221,745; published Feb. 16, 1926.
Silk fabric. Samuel N. Magill, Inc. 212,131; Apr. 27; Serial No. 225,367; published Feb. 9, 1926.
Silk piece goods. Stehli Silks Corporation. 212,270; Apr. 27; Serial No. 223,146; published Feb. 16, 1926.
Wool cloth in the piece. S. Stroock & Co. 212,087; Apr. 27; Serial No. 211,390; published Feb. 16, 1926.
Woolen piece goods. Forstmann & Huffman Company. 212,263; Apr. 27; Serial No. 224,377; published Feb. 16, 1926.
Worsted and woolen dress goods manufactured in the piece. F. A. Bochmann & Co. 212,290; Apr. 27; Serial No. 225,642; published Feb. 16, 1926.

CLASS 43.

Linen thread. L. Lichtenstein's Sons. 53,252; renewed May 29, 1926.

CLASS 44.

Arch supports. Anklarch Company. 212,120; Apr. 27; Serial No. 225,393; published Feb. 16, 1926.
Atomizers and powder blowers. De Vilbiss Manufacturing Company. 56,005; renewed Aug. 21, 1926.
Bedpans, urinals, basins, and irrigators. Reed Manufacturing Co. 212,121; Apr. 27; Serial No. 225,283; published Feb. 16, 1926.
Dental cement. S. S. White Dental Manufacturing Company. 212,261; Apr. 27. Serial No. 224,439; published Feb. 9, 1926.
Dental instruments. S. S. White Dental Manufacturing Company. 212,260; Apr. 27; Serial No. 224,440; published Feb. 9, 1926.
Electrotherapeutic outfits and cabinets. A. S. Aloe Co. 212,114; Apr. 27; Serial No. 223,358; published Feb. 9, 1926.
Foot and arch supports. L. Rosenthal. 212,348; Apr. 27.
Heating bags, Chemical. J. M. Dennison. 212,328; Apr. 27; Serial No. 224,750; published Feb. 16, 1926.
Massage device. Thompson-Barlow Company. 212,104; Apr. 27; Serial No. 216,936; published Feb. 9, 1926.
Plastic composition. Hick, Hick & Bannatyne. 212,241; Apr. 27; Serial No. 221,896; published Jan. 12 1926.
Rubber for dental purposes. Traun Rubber Co. 49,136; renewed Jan. 23, 1926.
Serviettes. Thomas Products, Inc. 212,116; Apr. 27; Serial No. 222,415; published Feb. 2, 1926.
Serviettes. Thomas Products, Inc. 212 267; Apr. 27; Serial No. 223,814; published Feb. 16, 1926.
Teeth, Artificial. Ideal Tooth Incorporated. 212,108; Apr. 27; Serial No. 224,914; published Feb. 2, 1926.
Varicose stockings. E. Rat. 212,110; Apr. 27; Serial No. 224,049; published Feb. 2, 1926.

CLASS 45.

Beverages and sirups, emulsions, concentrates, and extracts used in making the same. Virginia Dare Extract Co. Inc. 212,361; Apr. 27.
Beverages sold as soft drinks. J. Nocera. 212,285; Apr. 27; Serial No. 224,259; published Feb. 16, 1926.

CLASS 46.

Apples and peaches. Piedmont Virginia Fruit Growers Association, Incorporated. 212,357; Apr. 27.
Bacon and hams. John Morrell & Co., Limited. 52,211; renewed May 1, 1926.
Barley. Keen, Robinson & Company Limited. 212,088; Apr. 27; Serial No. 210,125; published Feb. 9, 1926.
Bread, Precut. A. Relsman. 212 216; Apr. 27; Serial No. 224,625; published Feb. 9, 1926.
Butter. Beatrice Creamery Company. 212,024; Apr. 27; Serial No. 222,777; published Feb. 9, 1926.
Butter. G. Sommer. 212,113; Apr. 27; Serial No. 223,665; published Feb. 9, 1926.
Candies. F. M. Kranz. 212,177; Apr. 27; Serial No. 222,076; published Feb. 9, 1926.
Candy. W. A. Foster. 212,174; Apr. 27; Serial No. 219,584; published Feb. 9, 1926.
Candy. Salvo & Berdon Candy Co. 212,304; Apr. 27; Serial No. 221,282; published Feb. 16, 1926.
Candy articles. Norma Chocolate Co. 212,293; Apr. 27; Serial No. 225,727; published Feb. 16, 1926.
Candy, Chocolate and peanut. George-Adams Company. 212 062; Apr. 27; Serial No. 208,136; published Feb. 9, 1926.
Canned and fresh vegetables. Haas Brothers. 212,363; Apr. 27.
Canned asparagus. Golden State Asparagus Company. 212,058; Apr. 27; Serial No. 214,151; published Feb. 9, 1926.
Canned berries. Berry Growers Packing Co. 212,276; Apr. 27; Serial No. 199,668; published Feb. 16, 1926.
Canned corn. Portland Packing Co. 56,298; renewed Sept. 4, 1926.
Canned corn, beans, tomatoes, prepared mustard, peanut butter, etc. John W. Grubbs Co. 212,356; Apr. 27.
Canned fruits. Sutter Co-Operative Growers. 212,324; Apr. 27; Serial No. 215,425; published Feb. 16, 1926.
Canned fruits and vegetables. Sprague, Warner & Company. 52,051; renewed May 15, 1926.
Canned fruits and vegetables. United States Products Corporation. 212,326; Apr. 27; Serial No. 224,681; published Feb. 16, 1926.
Canned fruits and vegetables. Wayne County Preserving Co. 54,399; renewed June 26, 1926.
Canned fruits and vegtables, coffee and tea, spices, etc. M. Winer & Co. 212,170; Apr. 27; Serial No. 219,051; published Feb. 9, 1926.
Canned fruits, fish, and vegetables and dried fruits and canned fruit salads. J. J. Flatley. 212,291; Apr. 27; Serial No. 225,654; published Feb. 16, 1926.
Canned fruits, vegetables, and fish. Van Landingham Co. 212,264; Apr. 27; Serial No. 224,268; published Feb. 16, 1926.
Canned goods. John F. Lalia Company. 212,259; Apr. 27; Serial No. 224,519; published Feb. 16, 1926.
Canned grapefruit. Fruit Products Co. 212,330; Apr. 27; Serial No. 225,088; published Feb. 16, 1926.
Canned salmon. Sebastian-Stuart Fish Co. 212,272; Apr. 27; Serial No. 214,097; published Feb. 16, 1926.
Canned vegetables and fruits. S. J. Seneca. 50,291; renewed Mar. 6, 1926.
Caramels. Fair Play Caramels, Inc. 212,310; Apr. 27; Serial No. 218,056; published Feb. 16, 1926.
Chocolate. West-Indische Import Compagnie. 212,321; Apr. 27; Serial No. 223,567; published Feb. 9, 1926.
Chocolate and candy. Frances Sinagnan & Cie. 212,352; Apr. 27.
Chocolate confectionery for eating, drinking, and cooking. W. J. Boon & Company. 212,173; Apr. 27; Serial No. 219,525; published Feb. 9, 1926.
Citrous and deciduous fruits, berries, grapes, etc., Fresh. American Fruit Growers Incorporated. 212,033; Apr. 27; Serial No. 217,060; published Feb. 9, 1926.
Coffee. Arbuckle Bros. 50,439; renewed Mar. 20, 1926.
Coffee. C. P. Auringer. 212,302; Apr. 27; Serial No. 221,401; published Feb. 16, 1926.
Coffee. Page Coffee Company. 212,294–5; Apr. 27; Serial Nos. 225,728–9; published Feb. 16, 1926.
Coffee. Sprague, Warner & Company. 52,739; renewed May 15, 1926.
Coffee. John H. Wilkins Co. 212,057; Apr. 27; Serial No. 214,303; published Feb. 9, 1926.
Coffee and tea. Clare E. Halladay Coffee Company. 212,275; Apr. 27; Serial No. 205,478; published Feb. 16, 1926.
Coffee, Roasted. Merchants Coffee Co. 55,183; renewed Aug. 7, 1926.
Confection made from pop corn, coconut, and sirup. E. W. Hunt. 212,243; Apr. 27; Serial No. 222,568; published Feb. 16, 1926.
Crackers. Felber Biscuit Company. 212,111; Apr. 27; Serial No. 224,005; published Feb. 9, 1926.
Crackers. Pacific Coast Biscuit Company. 212,098; Apr. 27; Serial No. 222,043; published Feb. 9, 1926.
Extracts, Sprague, Warner & Company. 53,014; renewed May 22, 1926.
Extracts and emulsions, etc., Food-flavoring. Hartung Brothers. 212,189; Apr. 27; Serial No. 223,170; published Feb. 9, 1926.
Extracts, Flavoring. Frank Tea & Spice Co. 212,337; Apr. 27.
Extracts, Flavoring. Sprague, Warner & Company. 52,112; renewed May 1, 1926.
Figs, Dried. California Peach & Fig Growers Association. 212,366; Apr. 27.
Fish, Fresh and cured. National Fish Co. Ltd. 212,169; Apr. 27; Serial No. 218,988; published Feb. 16, 1926.
Flour. Reliable Flour Company. 56,083; renewed Aug. 21, 1926.
Flour, Wheat. Larabee Flour Mills Corporation. 212,198–9; Apr. 27; Serial Nos. 220,545–6; published Feb. 9, 1926.
Flour, Wheat. Mapleton Milling Company. 49,531; renewed Feb. 6, 1926.
Flour, Wheat. Nebraska Consolidated Mills Company. 212,223; Apr. 27; Serial No. 224,614; published Feb. 9, 1926.
Flour, Wheat. Sperry Flour Company. 212,217; Apr. 27; Serial No. 224,628; published Feb. 9, 1926.
Food, Poultry. M. W. Savage. 51,388; renewed Apr. 17, 1926.
Food preparations for animals, Aromatic. H. M. Griffin. 53,484; renewed June 5, 1926.
Food, Stock. M. W. Savage. 50,447; renewed Mar. 20, 1926.
Fruits, citrous fruits, vegetables, and cantaloupes, Fresh deciduous. Earl Fruit Company. 212,200; Apr. 27; Serial No. 220,647; published Feb. 9, 1926.
Fruits, Fresh citrous. Grand View Heights Citrus Assn. 212,303; Apr. 27; Serial No. 221,363; published Feb. 16, 1926.
Fruits, Fresh citrous. Sunland Packing House Company. 212,035; Apr. 27; Serial No. 215,223; published Feb. 16, 1926.
Fruits, Fresh citrous. Texas Citrus Fruit Growers Exchange. 212,309; Apr. 27; Serial No. 219,863; published Feb. 16, 1926.
Grapes, Fresh. Walter Brothers. 212,308; Apr. 27; Serial No. 219,865; published Feb. 16, 1926.
Gum, Chewing. Frank H. Fleer and Company. 48,005; renewed Dec. 5, 1925.
Gum, Chewing. Frank H. Fleer & Company. 51,267; renewed Apr. 10, 1926.
Oranges and lemons, Fresh. Rialto Heights Association. 212,331; Apr. 27; Serial No. 225,523; published Feb. 16, 1926.
Potato flakes. E. J. Metz. 212,117; Apr. 27; Serial No. 222,389; published Feb. 16, 1926.
Jams, jellies, and fruit preserves. Best-Clymer Co. 212,273; Apr. 27; Serial No. 209,968; published Feb. 16, 1926.
Jellies, jams, fruit butters, etc. Blanke Baer Extract & Preserving Company. 212,274; Apr. 27; Serial No. 209,154; published Feb. 16, 1926.
Lard. Cudahy Packing Co. 50,295; renewed Mar. 6, 1926.
Lard, shortening, and sausage. John Morrell & Co. 212,191; Apr. 27; Serial No. 223,251; published Feb. 9, 1926.
Macaroni and cottonseed oil. B. Filippone & Co. 212,207; Apr. 27; Serial No. 224,701; published Feb. 9, 1926.
Macaroni, Ready-cut. Kansas City Macaroni & Importing Co. 212,208; Apr. 27; Serial No. 224,711; published Feb. 9, 1926.
Milk, cream, and buttermilk. Borden's Condensed Milk Co. 55,233; renewed Aug. 7, 1926.
Potatoes. J. W. Barrett. 212,265; Apr. 27; Serial No. 224,072; published Feb. 16, 1926.
Potatoes. Colorado Potato Grower's Exchange. 212,168; Apr. 27; Serial No. 221,409; published Feb. 9, 1926.
Potatoes. Colorado Potato Grower's Exchange. 212,206; Apr. 27; Serial No. 221,408; published Feb. 9, 1926.
Rice. R. E. Putnam. 212,202; Apr. 27; Serial No. 220,867; published Feb. 9, 1926.
Shortening, Vegetable. Van Camp Packing Company. 212,292; Apr. 27; Serial No. 225,688; published Feb. 16, 1926.
Sirup. Sprague, Warner & Company. 52,187; renewed May 1, 1926.
Spices. Sprague, Warner & Company. 52,186; renewed May 1, 1926.
Tartar sauce, mayonnaise dressing, and Thousand Island dressing. May Department Stores Company. 212,136; Apr. 27; Serial No. 205,540; published Feb. 9, 1926.
Tea. Seeman Brothers, Inc. 212,296; Apr. 27; Serial No. 225,742; published Feb. 16, 1926.
Tea. Sprague, Warner & Company. 52,740; renewed May 15, 1926.
Tea, cocoa, rice, tapioca, etc. Davies-Strauss-Stauffer Company. 212,205; Apr. 27; Serial No. 221,354; published Feb. 9, 1926.
Teas. New Orleans Import Co. Ltd. 55,184; renewed Aug. 7, 1926.

CLASS 48.

Beer, Lager. Christian Feigenspan. 52,507; renewed May 8, 1926.

Beer, Lager. Iroquois Brewing Co. 55,875; renewed Aug. 21, 1926.
Malt extracts and liquors. H. D. Stratton. 212,213; Apr. 27; Serial No. 223,451; published Feb. 16, 1926.
Wine, Malt. New England Brewing Co. 54,110; renewed June 19, 1926.

CLASS 50.

Art plaques and statuary. Marbleloid Company. 212,115; Apr. 27; Serial No. 222,932; published Feb. 2, 1926.
Beekeepers' supplies, Wooden. G. B. Lewis Company. 212,141; Apr. 27; Serial No. 218,924; published Feb. 9, 1926.
Films intended for transfer to the surface of textile fabrics, etc. Hermelite Corporation. 212,029; Apr. 27; Serial No. 222,241; published Jan. 26, 1926.
Incubators and brooders. Charters Manufacturing Co. 212,145; Apr. 27; Serial No. 220,701; published Jan. 26, 1926.
Leather or coated cotton fabric, Artificial. C. R. Whiting Co. 212,317; Apr. 27; Serial No. 221,863; published Jan. 19, 1926.
Paper straws. Stone Straw Company. 212,091; Apr. 27; Serial No. 152,937; published Jan. 26, 1926.
Printing press, Roller composition for. George Russell Reed Company. 212,053; Apr. 27; Serial No. 198,030; published Dec. 15, 1925.
Rubber coverings, Sheet. B. F. Goodrich Company. 212,041; Apr. 27; Serial No. 224,017; published Jan. 26, 1926.
Rubber mats and rubber matting. Boston Woven Hose & Rubber Company. 212,043; Apr. 27; Serial No. 223,894; published Jan. 26, 1926.
Tents, camp stakes, tent poles, etc., Umbrella and wall. J. K. Porter. 212,044; Apr. 27; Serial No. 223,743; published Jan. 19, 1926.
Textile fabrics, Waterproof. Hermetite Corporation. 212,030; Apr. 27; Serial No. 222,238; published Jan. 26, 1926.

ALPHABETICAL LIST OF LABELS.

"Acts by Suction" "Nichols Nasal Syphon." For Nasal Siphons. H. E. Nichols. 30,268; Apr. 27.
All American. For Candy. Melvin Candy Co. 30,266; Apr. 27.
Alva-Wavoiene. For Hairdressing. A. D. Alvarez. 30,248; Apr. 27.
Blau Tuch Cleansing Cloth. For Cleansing Cloths. B. Mackley. 30,262; Apr. 27.
Chex. For Soap. Pioneer Products Company. 30,270–1; Apr. 27.
Coffee. For Coffee. McAtee Newell Coffee Co. 30,264; Apr. 27.
Crinkle Crepe Shelf Paper. For Crinkled Shelf Paper. Richardson Company. 30,275; Apr. 27.
Dairy Maid. For Evaporated Milk. H. W. Low. 30,261; Apr. 27.
Derby Brand Red Hot Pepper Sauce Manufactured by Lewis & Bailey New York. For a Pepper Sauce, a Food Preparation. Lewis and Bailey. 30,259; Apr. 27.
Flush Plates. For Flush Plates. Reeves Engineering Corporation. 30,274; Apr. 27.
Fly-Foil. For Fly Spray and Insecticide. J. B. Rosefield. 30,276; Apr. 27.
Galacite. For a Puncture Seal for Tires. C. F. Johnson. 30,257; Apr. 27.
Ivori-Craft Means What Sterling Means to Silver. For Flush Plates. Reeves Engineering Corporation. 30,273; Apr. 27.
La Boda. For Cigars. Don Nieto Cigar Factory. 30,252; Apr. 27.
Lee's Love Secret. For a Facial Pack. A. R. Lee. 30,258; Apr. 27.
Magnesio. For a Laxative Solution. M. E. Frishman. 30,254; Apr. 27.
Monte Cuba. For Cigars. Famo Cigar Co. 30,253; Apr. 27.
Moreau Auto Cleaner. For Auto Cleaner. O. L. Moreau. 30,267; Apr. 27.
Mys-Tix. For a Wood-Block Assembly Puzzle. M. S. Brockman. 30,250; Apr. 27.
Pal. For Pile Ointment and Salve. A. L. Provencher. 30,272; Apr. 27.
Pekoe, Buds, and Orange Pekoe Tea. For Pekoe, Buds, and Orange Pekoe Tea. Delano, Potter & Co. 30,251; Apr. 27.
Pepticated Chewing Gum. For Chewing Gum. Greene Circle Products Co. 30,255; Apr. 27.
Perryman Amplifier and Detector. For Vacuum Tubes. Perryman Electric Company. 30,269; Apr. 27.
Roman Hand Rejuvenant. For Skin Food. M. Greene. 30,256; Apr. 27.
Spring Garden. For Whisky. Baltimore Distilling Company of Baltimore, Md. 30,249; Apr. 27.
Steel Cut. For Coffee. McAtee Newell Coffee Co. 30,263; Apr. 27.
The Giant All Steel Hame No. 1225. For Hames. U. S. Hame Company. 30,277; Apr. 27.
Valley Lily. For Evaporated Milk. H. W. Low. 30,260; Apr. 27.
World Beater. For Candy. Melvin Candy Co. 30,265; Apr. 27.

ALPHABETICAL LIST OF PRINTS.

Better Service Stores. For Groceries. Better Service Stores. 8,738; Apr. 27.
Fashionable Frocks. For Dresses. Stern-Imbrey Co. 8,740; Apr. 27.
In The Treasure Chest of Today. For Fountain Pens. L. E. Waterman Company. 8,743; Apr. 27.
Pepsodent, The New-Day Tooth Paste—Beauty Demands Teeth Like Pearls. For Tooth Paste. Pepsodent Co. 8,739; Apr. 27.
Treasure Chest of Today. For Fountain Pens. L. E. Waterman Company. 8,742; Apr. 27.
Waterman's Ideal Fountain Pen Treasure Chest. For Fountain Pens. L. E. Waterman Company. 8,741; Apr. 27.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal, Anthracite. Spadra Coal Company. 208,685; Apr. 27.
Linen batting. P. W. Moody. 226,154; Apr. 27.
Seed, Lawn-grass. Fiske Seed Company. 226,642; Apr. 27.

CLASS 2.

Containers made of metal. Bell Wire & Metal Goods Co. 227,104; Apr. 27.
Tanks for attaching to heating systems for household use, Hot-water-supply. P. Gray. 226,137; Apr. 27.

CLASS 4.

Cleaner for shoes, gloves, belts, and hats, Liquid. L. Bullas. 226,941; Apr. 27.
Cleaning compound with incidental glazing properties, Fur-. B. Cohen. 227,221; Apr. 27.
Cleaning, scouring, and polishing wads, pads, rolls of abradant nature. Brillo Manufacturing Company. 204,082; Apr. 27.
Cleansing preparation. Pennsylvania Salt Manufacturing Company. 225,241; Apr. 27.
Compound for cleaning glass surfaces, Liquid. W. A. Jackson. 220,408; Apr. 27.
Polishing powder for finishing surfaces. Pal Products Co. 227,749; Apr. 27.
Remover, Stain. Purigo Company. 227,187; Apr. 27.
Soap, toilet soap, shaving cream, etc., Shaving. J. B. Williams Company. 226,032; Apr. 27.

CLASS 6.

Antiseptic and astringent remedy used as a spray for nose and throat and also as a gargle and mouth wash. Marvell Pharmacal Co. 228,476; Apr. 27.
Antiseptic solution. Marvel Company. 228,763; Apr. 27.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Antiseptics, germicides, and bactericides. Hynson, Westcott & Dunning. 205,337; Apr. 27.
Bluing and ammonia. Roundup Grocery Company. 228,566; Apr. 27.
Chemicals. Wishnick-Tumpeer Chemical Co. 222,973; Apr. 27.
Colloidal clays. English China Clays Limited. 228,415; Apr. 27.
Colloidal clays. English China Clays Limited. 228,417; Apr. 27.
Compound, Antiknock. Ethyl Gasoline Corporation. 211,995; Apr. 27.
Compound, Battery. Kel-Bur Products Company. 227,358; Apr. 27.
Compounding ingredient and rubber softener. Rubber Service Laboratories Company. 228,667; Apr. 27.
Cough and cold mixtures. S. L. Weinstock. 219,704; Apr. 27.
Cream, beauty cream, tissue cream, bleach cream, etc., Lemon cleansing. Rochester Laboratories, Inc. 226,257; Apr. 27.
Cream for the skin. Owl Drug Co. 228,928; Apr. 27.
Creams, cleansing creams, hair tonic, etc., Face. W. C. Gordon. 228,313; Apr. 27.
Cultures of cellulose-decomposing microbes for the use of decomposing cellulose matter, Mixed. Fäkaltorf G. m. b. H. 227,225; Apr. 27.
Dentifrice. Foresite Manufacturing Co. 228,535; Apr. 27.
Dye, Hair. Inecto, Inc. 229,036–40; Apr. 27.
Dyes, Egg. J. R. R. Martin. 227,078; Apr. 27.
Eye water and salve. S. Riley. 228,830; Apr. 27.
Fluid for spraying or washing plants. C. A. Heilmann. 220,233; Apr. 27.
Hairdressing. W. P. Preston. 205,949; Apr. 27.
Hair restorer. Mrs. A. Kyett. 225,666; Apr. 27.
Hair wash. J. Mayer. 225,932–3; Apr. 27.
Hyposulfite of soda. Les Etablissements Poulenc Frères. 214,328; Apr. 27.
Hyposulfite of soda, Chemically-pure. Les Etablissements Poulenc Frères. 214,331; Apr. 27.
Insecticidal compositions. Dow Chemical Company. 227,780; Apr. 27.
Larvicide powder with a base of trioxymethylene. Les Etablissements Poulenc Frères. 214,330; Apr. 27.
Laxative coated chewing gum. H. Graves. 228,328; Apr. 27.
Lotion for use on chapped hands and face. A. R. Normandia. 227,468; Apr. 27.
Lotion, Skin. T. J. Crowley. 226,638; Apr. 27.
Medicated chewing gum. Proben Products, Inc. 227,850; Apr. 27.
Medicinal compound. Davis-Johnson Co. 224,863; Apr. 27.
Medicinal preparation. Lloyd Brothers Pharmacists Inc. 228,196; Apr. 27.
Medicine for the stomach and blood. A. Ullucci. 228,582; Apr. 27.
Medicines for external and internal use. W. J. Grace. 224,455; Apr. 27.
Medicines, laxatives, and medicines for treatment of colds, Cough. M. Kritt. 228,609; Apr. 27.
Naphtha in block form. Nu-Idea Air Purifier Co. Inc. 228,767; Apr. 27.
Oils, Wool. Masury-Young Company. 221,757; Apr. 27.
Pastes and antiseptic liquid washes, Tooth. Crystal Chemical Company. 227,937; Apr. 27.
Perfume, toilet water, face lotions, deodorants, etc. D. L. Collins. 227,632; Apr. 27.
Perfume, toilet water, rouge, etc. Houbigant, Inc. 228,376; Apr. 27.
Perfumes and toilet waters. M. Wenger. 228,877; Apr. 27.
Perfumes, toilet waters, bath salts, etc. Societe Anonyme Jean Patou. 228,942; Apr. 27.
Perfumes, toilet waters, bath salts, etc. Societe Anonyme Jean Patou. 228,944; Apr. 27.
Pharmaceutical product for treatment of staphylococcus. J. Oliver. 226,300; Apr. 27.
Powder, Face. Vanitette Company. 228,150; Apr. 27.
Powder, face powder, face cream, etc., Talcum. F. W. Hampshire & Co. Ltd. 224,911; Apr. 27.
Powders, complexion powders, smelling salts, etc., Face. J. R. Watkins Company. 228,789; Apr. 27.
Preparation for the treatment of piles, constipation, diabetes, etc. P. L. Mavrelis. 228,552; Apr. 27.
Remedies, Seasick. L. M. Harvey. 228,814; Apr. 27.
Remedy for catarrh, etc., Vapor. T. H. Storts. 228,147; Apr. 27.
Rouge. J. E. Heraty. 212,002; Apr. 27.
Salt. Myles Salt Co. 194,731; Apr. 27.
Salves for abscesses, burns, boils, bed sores, etc. J. L. Lippi. 226,493; Apr. 27.
Shampoo, Liquid. O. C. Stout. 210,986; Apr. 27.
Solution for automobile radiators, Antifreezing. E. E. Earl. 226,347; Apr. 27.
Throat disks, face, skin, and massage creams and pastes, perfumes, and toilet waters, etc., Medicated. De Vore Mfg. Co. 201,395; Apr. 27.
Toilet water, perfume, face powder, and talcum powder. Or-Blos Company. 211,504; Apr. 27.
Tonic, Hair. W. Tucker. 227,975; Apr. 27.
Tonic, regulator, and invigorator to the female organs. S. B. Goff & Sons Co. 228,899; Apr. 27.
Vaccine for the treatment of chancre. Les Etablissements Poulenc Frères. 213,310; Apr. 27.
Witch-hazel water for the eyes. Tokalon Chemical Corporation. 227,046; Apr. 27.

CLASS 8.

Pipes. Edgar B. Walters Organization, Inc. 228,285; Apr. 27.

CLASS 11.

Ink-constituent, Orange mineral, a pigment used as an. Eagle Picher Lead Company. 208,579; Apr. 27.
Ink for stencil addressing machines. Rapid Addressing Machine Company. 222,403; Apr. 27.
Inking ribbons and carbon paper. Royal Typewriter Company. 228,666; Apr. 27.

CLASS 12.

Brick. Acme Brick Company. 227,549; Apr. 27.
Brick material, Plastic fire-. Crescent Refractories Company. 217,663; Apr. 27.
Calking, pointing, and glazing compounds. Sterling Products Company. 227,859; Apr. 27.
Cement, High-temperature. Crescent Refractories Company. 217,661–2; Apr. 27.
Cement, High-temperature. Crescent Refractories Company. 217,666–7; Apr. 27.
Flooring, ventilator gratings, grids, and grilles, Steel. Kerlow Steel Flooring Company. 226,006; Apr. 27.
Kennels, Dog. H. E. Bushnell. 208,957; Apr. 27.
Lumber, Dressed and rough. Kolambugan Lumber & Development Co. 227,311; Apr. 27.
Roofing materials. Tilo Products Corporation. 209,254; Apr. 27.
Waterproofing and hardening composition and means for mortar and beton and concrete. Kaspar Winkler & Co. 225,120; Apr. 27.

CLASS 13.

Gluepots. Hynes & Cox Electric Corporation. 225,923; Apr. 27.
Grilles used mainly for ventilating purposes, Bronze. Wickwire Spencer Steel Company. 227,430; Apr. 27.
Hardware comprising window regulators and parts thereof, Automobile body. Ternstedt Manufacturing Company. 198,543; Apr. 27.
Metal strips, ventilating grilles, and ventilating screens. Tuttle & Bailey Manufacturing Company. 228,338; Apr. 27.
Pipe fittings, Metal. Cleveland Heater Company. 227,263; Apr. 27.
Urns, Coffee. Majestic Manufacturing Company. 210,568; Apr. 27.
Utensils, Cast-aluminum cooking. Advance Pattern & Foundry Company. 189,288; Apr. 27.

CLASS 14.

Aluminum and aluminum alloys. Aluminum Company of America. 210,640; Apr. 27.
Bars, Ingots, cakes of gold, etc., Wire. United States Metals Refining Company. 228,508; Apr. 27.
Copper ingots, ingot bars, billets, etc. Chile Exploration Company. 228,892; Apr. 27.
Die castings, etc., Automobile body hardware comprising. Ternstedt Manufacturing Company. 198,544; Apr. 27.
Metal castings. Ohio Brass Company. 228,388; Apr. 27.
Rods, sheets, wire, welding rods, etc., formed of metallic alloys. American Brass Company. 227,620; Apr. 27.

CLASS 15.

Oils and greases and gasoline, Lubricating. Oklahoma Oil Marketers, Inc. 218,135; Apr. 27.

CLASS 16.

Paints, varnishes, and paint enamels, Ready-mixed. T. J. Ronan Co. Inc. 220,089; Apr. 27.

CLASS 17.

Cigarettes. Goldleaf Tobacco Importing Co. Inc. 227,069; Apr. 27.

CLASS 19.

Automobiles. Automobiles Corre La Licorne. 227,560; Apr. 27.
Automobiles. General Motors Corporation. 223,843; Apr. 27.
Automobiles and constructive parts thereof. Durant Motor Company of New Jersey. 224,697; Apr. 27.
Automobiles, Including taxicabs. Illinois Diamond Cab Company. 222,459; Apr. 27.

CLASS 21.

Batteries, flash-light casings. Coast Dry Battery Co. 210,363; Apr. 27.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Couplers, resistors, resistance-coupled amplifiers, and radio power tubes, Resistance. Veby Radio Co. 228,073; Apr. 27.
Electric burglar alarms and alarms for vault-protecting systems. O. B. McClintock Company. 228,658; Apr. 27.
Electric-lighting plants, motor generators, cables for carrying electric current, etc. Bucyrus Company. 205,315; Apr. 27.
Electrical apparatus for transmitting and receiving motion. General Electric Company. 196,786; Apr. 27.
Insulating paper for use in insulating electric conductors. Tarentum Paper Mills Company. 226,215; Apr. 27.
Lamps, Electrically-illuminated automobile. Kay Bee Mfg. Co. 223,389; Apr. 27.
Radio loud speakers, Sound amplifiers and reflectors for. W. D. Warner. 228,517; Apr. 27.
Radiopanels. Poster & Co. 225,888; Apr. 27.
Radio receiving sets. Oettinger Products. 228,827; Apr. 27.
Radio receiving sets and parts thereof and battery-eliminating devices. Powerola Radio Corporation. 226,650; Apr. 27.
Radio receiving sets, Loud speakers for. Post & Lester Company. 228,480; Apr. 27.
Radio receiving sets, Phones for. Post & Lester Company. 228,482; Apr. 27.
Radio receiving sets, radio vacuum tubes, radio A batteries, radio B batteries. Hahne & Company. 219,425; Apr. 27.
Wires, cables, radio receiving sets, insulators, etc. T. C. Deutschmann. 213,011; Apr. 27.

CLASS 22.

Dolls and footballs. Live Long Toys. 225,698; Apr. 27.
Sporting goods. Hillerich & Bradsby Co. 221,964–5; Apr. 27.
Toy animals, Stuffed. Geo. Borgfeldt & Co. 227,984; Apr. 27.
Toy trains, toy automobiles, and other toy vehicles. Geo. Borgfeldt & Co. 227,985; Apr. 27.

CLASS 23.

Choppers, pruners, razors, etc., Meat, vegetables, and food. Henkel-Clauss Company. 227,517; Apr. 27.
Forks, ice picks, butter trowels, coffee scoops, etc. John Chatillon & Sons. 228,806; Apr. 27.
Knives, forks, and spoons. Townley Metal and Hardware Company. 213,814; Apr. 27.
Road-grading machines, rock crushers, conveyers, etc. American Road Machinery Company. 220,331; Apr. 27.
Tool-making machines, automatic revolving lathes, automatic revolving screw lathes, etc. Index-Werke Hahn & Kolb. 225,015; Apr. 27.
Tractors. Caterpillar Tractor Co. 218,605; Apr. 27.

CLASS 24.

Ironing tables and washboards, Folding. National Washboard Company. 225,797; Apr. 27.
Washing machines, Clothes or laundry. Montgomery Ward & Co. 209,310; Apr. 27.

CLASS 26.

Adding machines, calculating machines, cash registers, etc. Wanderer-Werke vorm. Winklhofer & Jaenicke Aktiengesellschaft. 228,286; Apr. 27.
Dynamometers, thermometers, spring scales, etc. John Chatillon Sons. 228,805; Apr. 27.
Films, Physical educational. L. Mann. 228,050; Apr. 27.
Indicating the daily evoporation of eggs in an incubator, Device for. R. L. Gilles. 227,994; Apr. 27.
Indicators, Speed and distance. Waltham Watch and Clock Company. 192,459; Apr. 27.
Scales, Weighing. W. T. Grant Company. 228,901; Apr. 27.

CLASS 28.

Emeralds, Imitation. Yokelson-Cooper, Inc. 226,993; Apr. 27.
Pearls and reproduction of pearls or imitations thereof. Strings of. L. Heller & Son. 207,241; Apr. 27.
Rings, Finger. Bristol Seamless Ring Company. 225,764; Apr. 27.
Stones, Semiprecious. E. Richwine Company. 226,512; Apr. 27.
Vanity boxes made of or plated with a precious metal. Napier Co. 227,845; Apr. 27.
Watch bracelets, Complete. S. & B. Lederer Co. 224,771; Apr. 27.

CLASS 29.

Brushes, Bristle massage. L. Abseck. 227,153; Apr. 27.

CLASS 32.

Beds, chifforobes, dressers, chairs, etc. M. Frederick. 211,262; Apr. 27.
Bedsteads. Montauck Metallic Bed Co. 223,969; Apr. 27.
Chairs for use in automobiles, Children's. Kanawha Specialty Co. 227,896; Apr. 27.

CLASS 34.

Burners and parts thereof, Oil. Superior Engineering Company. 226,085; Apr. 27.
Burners, Oil. J. W. Newbery. 192,143; Apr. 27.
Generators and tanks connected therewith, Hot-water. A. E. Thompson. 227,923; Apr. 27.
Stoves and ranges, Wood, coal, oil, or gas. Birmingham Stove & Range Co. 226,224; Apr. 27.

CLASS 35.

Leathers for well valves, Cup. Clayton Mark & Company. 213,658; Apr. 27.

CLASS 36.

Musical instruments. F. E. Olds & Son, Inc. 225,486; Apr. 27.
Phonographs and parts thereof. Polly Portable Phonograph Co. 219,686; Apr. 27.
Pianos, player pianos, player actions, and parts thereof. Autoplano Company. 226,706; Apr. 27.

CLASS 37.

Books, Account. A. G. Blanden. 223,016; Apr. 27.
Books, paper, writing paper, wrapping paper, pens, pencils, and erasers, Note. Western Merchandise Co. 227,380; Apr. 27.
Paper and mailing envelopes, Writing. Wesley & Winter, Inc. 227,377; Apr. 27.
Paper and stationery, desk pads and files, memorandum files, etc. M. Plitzer. 223,448; Apr. 27.
Paper, Bond. E. C. Palmer & Co. 228,133; Apr. 27.
Paper, Enamel book. Seaman Paper Company. 225,143; Apr. 27.
Paper, Printing. Seaman Paper Company. 225,144; Apr. 27.
Paper, Wrapping. Kalamazoo Vegetable Parchment Co. 228,193; Apr. 27.
Paper, Wrapping. Reliance Paper & Twine Mills. 220,421; Apr. 27.
Paper, writing paper, and printing paper, Book. Northwest Paper Company. 228,129; Apr. 27.
Papers, paper towels, blotters, etc., Wrapping, tissue, and toilet. Hooper Paper & Twine Co. 210,456; Apr. 27.
Pencils, penholders, erasers, and crayons. Wallace Pencil Company. 226,752–3; Apr. 27.

CLASS 38.

Booklets. Amos Parrish & Company. 227,433; Apr. 27.
Bulletins and supplements, Financial and business service. Babson's Statistical Organization, Incorporated. 223,570; Apr. 27.
Leaflets. Amos Parrish & Company. 227,386; Apr. 27.
Magazine and printed books. Monthly. Rosicrucian Fellowship. 223,745; Apr. 27.
Magazine, Monthly. Philadelphian, Inc. 227,084; Apr. 27.
Newspaper publication, Title for a daily. Curtis-Martin Newspapers, Inc. 227,113; Apr. 27.
Paintings. G. Catlett. 227,935; Apr. 27.
Publication, Monthly. Conde Nast Publications, Inc. 227,987; Apr. 27.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 227,724–5; Apr. 27.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 227,727–8; Apr. 27.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 227,730–4; Apr. 27.

CLASS 39.

Apparel, Wearing. C. F. Berg. 227,931; Apr. 27.
Aprons. Donnelly Garment Company. 228,809; Apr. 27.
Blouses and men's dress, negligee, and work shirts, Boy's. N. E. Berriman. 228,082; Apr. 27.
Boots and shoes, Leather and rubber. Endicott Johnson Corporation. 226,479; Apr. 27.
Boots, shoes, and slippers. Scholl Manufacturing Company. 227,856; Apr. 27.
Coats, hats, and dresses, Ladies'. Joseph and Milton. 228,703; Apr. 27.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 228,870; Apr. 27.
Corset brassières and brassières, Combination. Fifth Avenue Corset Company. 227,641–2; Apr. 27.
Dresses, Misses'. Marshall Field & Company. 216,518; Apr. 27.
Gloves. Tiedeman Glove Co. 227,865; Apr. 27.
Hats, Ladies'. Fieldston Trading Corporation. 224,699; Apr. 27.
Hats, Ladies' and misses'. Louis Strauss & Son. 225,309; Apr. 27.
Hosiery. Rauser, Leavens & Kissinger Co. 227,537; Apr. 27.
Hosiery. Rubens & Meyer. 228,726; Apr. 27.
Shirts, Dress, negligee, and work. Schmuckler, Son & Davidson. 224,992; Apr. 27.
Shirts, Men's dress and negligee. Phillips-Jones Corporation. 228,931; Apr. 27.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Shirts, Negligee. S. A. Sherwin Co. Inc. 217,588; Apr. 27.
Shirts, overcoats, mackinaws, and suits, Men's. Oregon City Manufacturing Company. 216,209; Apr. 27.
Shoes. A. Breslau. 227,628; Apr. 27.
Shoes, Canvas, leather, felt, and rubber. American Wholesale Corporation (Baltimore Bargain House). 227,102; Apr. 27.
Spats, Woolen. Columbia Knitting Mills. 226,637; Apr. 27.
Suits, Bathing. Ocean Bathing Suit Co. 228,927; Apr. 27.
Suits, coats, trousers, vests, and overcoats, Men's outer. S. Joseph & Sons. 228,906; Apr. 27.
Suits, topcoats, and overcoats, Men's. Sanders, Tessers, & Lieberman. 225,140; Apr. 27.
Underwear and hosiery. Vogue Knitting Company. 228,583; Apr. 27.
Underwear and sweaters. A. B. Frank Company. 228,604; Apr. 27.
Underwear, sweaters, bathing suits, etc. J. B. Hirshfeld. 228,541; Apr. 27.

CLASS 40.

Combs. J. W. Crowdus Drug Company. 228,179; Apr. 27.
Combs, slides, curlers, and wavers, Hair. H. D. Thurgar. 223,060; Apr. 27.
Motifs or medallions. So-Me-On Corporation. 219,997; Apr. 27.

CLASS 42.

Cloth and nainsook in the piece, Long. Sherman & Sons Co. 226,445; Apr. 27.
Cloth for uniforms, White. J. A. Solmes. 210,581; Apr. 27.
Cotton piece goods. W. T. Grant Company. 223,089; Apr. 27.
Fabrics in the piece, Woven, knitted, netted, textile, and pile. Cheney Brothers. 227,058; Apr. 27.
Hair nets. I. E. Van Dorn. 200,972; Apr. 27.
Silk fabrics and artificial silk knitted in the piece. Progressive Knitting Works, Inc. 228,560; Apr. 27.
Textile fabrics, Worsted and woolen. Holden-Leonard Co. 219,331; Apr. 27.
Towels, wash cloths, and bath mats of knitted and textile fabric. Reading Towel Manufacturing Co. 227,964; Apr. 27.

CLASS 44.

Arch supports and similar foot corrective appliances. Scholl Mfg. Co. Inc. 228,874; Apr. 27.
Pads or sheets for hospital use, Absorbent. Cellucotton Products Company. 228,410; Apr. 27.
Pads or sheets for removing cold cream, Absorbent. Cellucotton Products Company. 228,803; Apr. 27.
Pads used in the waving of hair, Steam. E. Coulson. 227,777; Apr. 27.
Physiotherapy apparatus. A. S. Aloe Co. 228,883; Apr. 27.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 192,876; Apr. 27.

CLASS 45.

Beverage and sirup for making same. Griffiths & Freese. 223,913; Apr. 27.
Beverages, essences for making the same, and mineral water, Nonalcoholic, maltless. Egon Braun Aktiengesellschaft. 225,224; Apr. 27.
Beverages, sirups, and extracts for making the same, Nonalcoholic, maltless. L. Goldstein. 228,103; Apr. 27.
Drink and sirup for making the same, Soft. Fort Dodge Bottling Works. 225,407; Apr. 27.
Drink and sirup for making the same, Soft. Keystone Bottling & Supply Company. 228,427; Apr. 27.
Ginger ale. Queen City Bottling Company. 219,910; Apr. 27.
Sirups for still or carbonated water beverages, Fountain. H. Baron & Co. 226,875; Apr. 27.

CLASS 46.

Avocados. California Avocado Growers Exchange. 227,439; Apr. 27.
Bread and cakes. Hunts Point Bakery. 227,744; Apr. 27.
Cakes. Loose-Wiles Biscuit Company. 228,120; Apr. 27.
Candy. J. N. Collins Company. 228,977; Apr. 27.
Candy. E. H. Hacker. 228,105; Apr. 27.
Candy. Helt Miller Lau Co. 222,119; Apr. 27.
Candy. Melvin Candy Co. 227,463; Apr. 27.
Candy. Palmer Candy Co. 225,520; Apr. 27.
Candy and candy bars. Ambrosia Chocolate Company. 227,495; Apr. 27.
Candy, Stick. C. E. Gheens. 216,170; Apr. 27.
Canned fish. Pyramid Packing Company. 228,776–7; Apr. 27.
Canned fruits. Reynolds Preserving Company. 228,724; Apr. 27.
Canned fruits, vegetables, and clams. Roundup Grocery Company. 228,939; Apr. 27.
Canned fruits, vegetables, and fish. Purity Produce Corporation. 226,510; Apr. 27.
Canned vegetables, fruits, and fish, wheat flour, etc. P. G. Lennon. 198,315; Apr. 27.
Canned vegetables, fruits, and shellfish, mincemeat, table sirups, etc. John C. Groub Company. 226,955; Apr. 27.
Coffee. Bay City Milling Company. 222,814; Apr. 27.
Coffee. Great American Tea Co. 228,752; Apr. 27.
Coffee. Junior Coffee Co. 228,988; Apr. 27.
Coffee. O. W. Peirce Company. 220,798; Apr. 27.
Coffee and tea. Chase & Sanborn. 223,462; Apr. 27.
Coffee, tea, spices, mustard, etc. Wadhams & Kerr Brothers. 222,587; Apr. 27.
Confections comprising ice cream inclosed in a casing. T. J. Lynch. 226,494; Apr. 27.
Feed, Dog. G. P. Rose, jr. 228,070; Apr. 27.
Flour, Pancake. Kirk Milling Company. 228,115; Apr. 27.
Flour, pancake flour, corn meal, etc., Wheat. Kirk Milling Company. 228,114; Apr. 27.
Flour, Self-rising. Dunlop Milling Company. 228,095; Apr. 27.
Flour, Wheat. City Mills Company. 226,714; Apr. 27.
Flour, Wheat. P. Haupt. 227,307; Apr. 27.
Flour, Wheat. St. Paul Milling Co. 214,627; Apr. 27.
Flour, Wheat. Washburn-Crosby Company. 177,757; Apr. 27.
Flour, Wheat. Washburn-Crosby Company. 226,754; Apr. 27.
Food for dogs. Spillers Victoria Foods, Limited. 227,091–2; Apr. 27.
Food, Poultry. International Agricultural Corporation. 225,925; Apr. 27.
Fruit preserves. Atlantic Coast Preserving Corporation. 227,387; Apr. 27.
Grapes, Fresh. L. A. Cheatham. 212,718; Apr. 27.
Gum, Chewing. Shelby Gum Company. 226,259; Apr. 27.
Luncheons, Prepared. B. G. Winchell. 215,113; Apr. 27.
Macaroni, spaghetti, noodles, etc. John B. Canepa Company. 212,712; Apr. 27.
Milk, butter, and cheese, Pasteurized. Thompson's Dairy. 228,279; Apr. 27.
Oleomargarine. John F. Jelke Company. 207,377; Apr. 27.
Oleomargarine and nut margarine. D. E. Wood Butter Company. 227,547; Apr. 27.
Relish, Russian. G. M. Trask. 224,938; Apr. 27.
Salad dressing. Gold Medal Creamery Co. 216,172; Apr. 27.
Walnuts, almonds and other nuts, Sliced. P. J. Barnard. 228,964; Apr. 27.

CLASS 47.

Wines. P. G. Maristany. 225,831; Apr. 27.

CLASS 49.

Brandies, liquors, punches, etc. Egon Braun Aktiengesellschaft. 223,696; Apr. 27.

CLASS 50.

Corks. I. F. Schnier. 225,890; Apr. 27.
Flags and banners. De Grauwm, Aymar & Company. 222,785; Apr. 27.
Ladders. Consolidated Pump Co. 227,003; Apr. 27.
Leather fabrics used in upholstered top and other coverings, Automobile artificial-. Associated Manufacturers Auto Fabric Equipment. 218,785; Apr. 27.
Press blankets, Printers'. Tingue, Brown & Co. 192,200; Apr. 27.
Sign letters. Tablet & Ticket Co. 227,202; Apr. 27.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Henry, East Orange, N. J., assignor to The Calculagraph Company. Device for automatically shifting the direction of feed of an ink ribbon in printing machines. 1,582,651; Apr. 27.
Abell, C. S. (See Turner, B. R., and Higginbotham, assignors.)
Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-working mechanism. 1,582,023; Apr. 27.
Adams, Frank A., deceased; T. C. Adams, administratrix, assignor, by mesne assignments, to Wash-All Machine Corporation, Rochester, N. Y. Expansible-chamber motor. 1,582,022; Apr. 27.
Adams, Lovell, Burlingham, Inc. (See Burlingham, W., Lovell, and Denslow, assignors.)
Adams, Teresa C., administratrix. (See Adams, Frank A.)
Adams, William H., New York, N. Y. Precast plaster-wall section. 1,582,721; Apr. 27.
Adams, William H., New York, N. Y. Precast plaster-wall section and means for packing same. 1,582,722; Apr. 27.
Adamson, William A., Wilmington, Del., and P. W. Carleton, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of antimony in the manufacture of flavanthrone. 1,582,328; Apr. 27.
Addressograph Company. (See Duncan, Joseph S., assignor.)
Adler, Milton D., New York, N. Y. Amusement device. 1,582,811; Apr. 27.
Advance-Rumely Company. (See Baldwin, Curtis C., assignor.)
Advance-Rumely Company. (See Knapp, Amadee, J., assignor.)
Aeolian Company, The. (See Votey, Charles H., assignor.)
Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Phantom carrier circuit. 1,582,112; Apr. 27.
Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Phantom carrier circuit. 1,582,113; Apr. 27.
Ahlman, Franz H., Morristown, Minn. Cattle-salt container. 1,582,723; Apr. 27.
Aiken, Eugene D., assignor to The Carbox Corporation, Rochester, N. Y. Carburizing box. 1,582,233; Apr. 27.
Aktiebolaget Filmfotofon. (See Berglund, Sven O. F. A. son, assignor.)
Albrecht, Robert J., assignor to Hamilton-Beach Mfg. Co., Racine, Wis. Spindle mounting. 1,582,652; Apr. 27.
Allen, Grosvenor N., Oneida, N. Y. Spoon or similar article. Des. 69,978; Apr. 27.
Allen, Grosvenor N., Oneida, N. Y. Spoon or similar article. Des. 69,979; Apr. 27.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Coffeepot or similar article. Des. 69,980; Apr. 27.
Alleyne, Ernest F., Nashville, Tenn. Obstetrical appliance. 1,582,653; Apr. 27.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Wringer-position-controlling means. 1,582,234; Apr. 27.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,582,235; Apr. 27.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
American Arch Company. (See Willett, Alfred H., assignor.)
American Lady Corset Company. (See Siegel, Joseph assignor.)
American Optical Company. (See Demers, Arthur E., assignor.)
American Optical Company. (See Troppman, Charles J., assignor.)
American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
American Pin Company, The, Division Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
American Safety Navigation Company, The. (See Lyda, Arthur W., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See O'Leary, Joseph T., assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anchor Cap & Closure Corporation. (See White, William P., assignor.)
Anderegg, William E., Sturgeon Bay, Wis. Fish-shipping box. 1,582,655; Apr. 27.
Anderson, Charles S., Minneapolis, assignor of one-third to D. E. Anderson, St. Paul, Minn. Locomotive piston. 1,582,114; Apr. 27.
Anderson, David E. (See Anderson, Charles S., assignor.)
Anderson, Francis, Portadown, Ireland. Textile fabric. Des. 69,981; Apr. 27.
Anderson, Olaf A., Hamilton, Ohio. Motor-vehicle lock. 1,582,236; Apr. 27.
Anderson, Raymond M., assignor to G. M. Holley, Detroit, Mich. Vaporizer for internal-combustion engines. 1,582,654; Apr. 27.
Andrews, George F., Greenville, S. C. Roll clearer. 1,582,656; Apr. 27.
Andrews, John S., Los Angeles, Calif. Wall furnace. 1,582,657; Apr. 27.
Angell, Emmett D., Califon, N. J. Golf game. 1,582,237; Apr. 27.
Angus, Donald J., Indianapolis, Ind., assignor to Westinghouse Electric & Manufacturing Company. Saturation compensation for meters. 1,582,658; Apr. 27.
Anselm, Roy W., Kansas City, Mo. Shoe-shining foot rest. 1,582,115; Apr. 27.
Anthracite Separator Company. (See Benner, Adam, assignor.)
Arbon, Paul, Tulsa, Okla. Combined casing head and snuffer. 1,582,238; Apr. 27.
Arnold, John W., San Francisco, Calif. Lubricator for fluid-actuated apparatus. 1,582,368; Apr. 27.
Aronson, Louis V., Newark, N. J. Toy. Des. 69,982; Apr. 27.
Armstrong, Clifford G., Meriden, Conn. Separable cuff button. 1,582,864; Apr. 27.
Armstrong Cork Company. (See Busch, Herman F., assignor.)
Armstrong, Ralph J., Monett, Mo. Cleaner. 1,582,367; Apr. 27.
Ashdown, Albert J., Letchworth, Hertfordshire, England. Stroboscopic apparatus. 1,582,622; Apr. 27.
Aske, Irving E., Duluth, Minn. Cylinder for internal-combustion engines. 1,582,370; Apr. 27.
Aske, Irving E., Duluth, Minn. Fuel-vapor conductor for internal-explosion engines. 1,582,369; Apr. 27.
Asphalt Cold Mix (1925) Limited. (See Hay, George S., assignor.)
Atlas Powder Company. (See Taylor, A. M., and Buote, assignors.)
Austin, Herbert, Bromsgrove, England. Head fitting for motor vehicles. 1,582,623; Apr. 27.
Anstin, Ralph W., Quincy, Mass. Fire extinguisher. 1,582,724; Apr. 27.
Automatic Boiler Cleaner Company. (See Stockholder, John H., assignor.)
Automatic Electric Inc. (See Campbell, Wilson L., assignor.)
Automatic Electric Inc. (See Ray, Arthur J., assignor.)
Auto-Matic-Auto Lock Co. (See Michael, Robert W., assignor.)
Averill Mfg. Co. (See Parsons, George H., assignor.)
Avin, Samuel, Philadelphia, Pa. Hat. 1,582,812; Apr. 27.
Bacon, Preston, Bronxville, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Valves for pneumatic tires or the like. 1,582,624; Apr. 27.
Badische Anilin- & Soda-Fabrik. (See Fick, Reinhold, assignor.)
Badische Anilin- & Soda-Fabrik. (See Lüttringhaus, A., and Wolfram, assignors.)
Badische Anilin- & Soda-Fabrik. (See Mittasch, A., and Michael, assignors.)
Badische Anilin- & Soda-Fabrik. (See Winkler, Fritz, assignor.)
Baer, Ernest R., Paris, France. Belt buckle. 1,582,329; Apr. 27.
Bagley, Glen D., Great Neck, N. Y., assignor to Electro Metallurgical Company. Process for uniting metals. 1,582,024; Apr. 27.
Bahr, Theodore P., San Francisco, Calif. Automobile bed. 1,582,500; Apr. 27.

Bailey, Arthur B., Norton, Va. Valve-spring compressor. 1,582,155; Apr. 27.
Baker Box Company. (See Curtis, Philip N., assignor.)
Baker, Bertram F., Tannersville, assignor of one-half to W. N. McClellan, Brooklyn, N. Y. Automatic cashier. 1,582,659; Apr. 27.
Baker, Jesse J., sr., Freeport, Tex. Window guard. 1,582,501; Apr. 27.
Baker-Perkins Company. (See Gase, E., and Reese, assignors.)
Baker R & L Company, The. (See Stier, Frank C., assignor.)
Bakerless Service Corporation. (See Johnson, Olaf W., assignor.)
Baldwin, Curtis C., assignor to Advance Rumely Company, La Porte, Ind. Agricultural machine. 1,582,660; Apr 27.
Baldwin Locomotive Works, The. (See Elliott, Edward O., assignor.)
Ballard, Harrie A., Boston, assignor to The Phonoharp Company, East Boston, Mass. Spring-shank hammer mechanism. 1,582,625; Apr. 27.
Bailin, Maurice, Los Gatos, assignor to Neustadter Bros., San Francisco, Calif. Three-way pocket. 1,582,813; Apr. 27.
Barbarou, Marius J.-B., Paris, France. Control of carburetors for internal-combustion engines. 1,582,239; Apr. 27.
Barbieri, Cesare, New York, N. Y., assignor to Vortex Mfg. Co., Chicago, Ill. Collapsed-cup dispenser. 1,582,661; Apr. 27.
Barnhart, Harry J., assignor to The Osgood Company, Marion, Ohio. Vehicle structure. 1,582,569; Apr. 27.
Bart, Charles, Kew Gardens, N. Y. Coat hanger. 1,582,662; Apr. 27.
Bart, Charles, New York, N. Y. Package seal. 1,582,444; Apr. 27.
Bartlett, David S., Springfield, Mass. Knob. 1,582,502; Apr. 27.
Basralian, Richard, West Hoboken, N. J. Photoprinting machine. 1,582,371; Apr. 27.
Bastian, Edward W., Houston, Tex. Switch guard. 1,582,663; Apr. 27.
Battle, Richard, Okmulgee, Okla. Thawing device for automobiles. 1,582,372; Apr. 27.
Baum, Henry, East Cleveland, Ohio. Fruit-juice extractor and strainer. 1,582,156; Apr. 27.
Bayer. A. J., Company. (See Krog, H. T., and Hartel, assignors.)
Bayer Co. Inc., The. (See Forbing, John W., assignor.)
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttoning machine. 1,582,116; Apr. 27.
Beck, Daniel, Okmulgee, Okla. Fan suction ventilator. 1,582,373; Apr. 27.
Beckett, Laycock & Watkinson Limited. (See Bridgwood, William D., assignor.)
Beckman, John W., Oakland, assignor to Beckman-Linden Engineering Corporation, San Francisco, Calif. Reducing metallic sulphides. 1,582,157; Apr. 27.
Beckman-Linden Engineering Corporation. (See Beckman, John W., assignor.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Benner, Adam, assignor to Anthracite Separator Company, Hazelton, Pa. Spiral separator. 1,582,503; Apr. 27.
Benner, Harry P. (See Egloff, G., and Benner.)
Bennett, Frank R., Keene, N. H., assignor to Wilcox Comb Company, Inc., Keene, N. H. Wind shield or deflector. 1,582,240; Apr. 27.
Bennett, George L., Cleveland Heights, Ohio. Method of and apparatus for making sheet ice. 1,582,158; Apr. 27.
Bennington, Albert P., Philadelphia, Pa. Portable blackboard renovator. 1,582,664; Apr. 27.
Bensing, L. P. (See Cooper, H. S., and Bensing.)
Benson, Peter J., Worcester, Mass. Spring wheel. 1,582,626; Apr. 27.
Berglund, Sven O. F. A. Son, Berlin, Germany, assignor to Aktiebolaget Filmfotofon, Stockholm, Sweden. System for recording accoustic and other oscillations. 1,582,374; Apr. 27.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Friction drive for driers. 1,582,665; Apr. 27.
Bethel, Albert R. and J. H. Williams, Los Angeles, Calif. Glass feeder. 1,582,725; Apr. 27.
Bethel, Joseph N., Worcester, assignor to Bethel-Player Co., Westboro, Mass. Lapping machine. 1,582,207; Apr. 27.
Bethel-Player Co. (See Bethel, Joseph N., assignor.)
Biddle, Jacob S., Leavenworth, Kans. Gas-tank-locking device. 1,582,627; Apr. 27.
Bing-Werke, vorm. Gebr. Bing A.-G. (See Reischl, Ludwig, assignor.)
Bird, Frank, Hamilton, New Zealand. Means for opening and closing windows. 1,582,504; Apr. 27.
Bishop, Edward R. (See Buchenau, J. C., and Bishop.)
Blackwood, Arthur J., Carrboro, N. C. Trumpet for cotton machines. 1,582,159; Apr. 27.
Blensdale, John W., Janesville, Wis. Tying machine. 1,582,726; Apr. 27.
Bliss, Herbert R., Niagara Falls, N. Y. Cracker caddy. 1,582,375; Apr. 27.
Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Lighting equipment and starting arrangement for gasoline engines or gasoline motor cars. Re16,334; Apr. 27.
Blood, Harold L., North Plainfield, N. J., assignor to Nlies-Bement-Pond Company, New York, N. Y. Clutch-shifting mechanism. 1,582,066; Apr. 27.
Blombery, George F., Sydney, New South Wales, Australia. Manufacture of agglutinant surface finishing and sizing composition. 1,582,117; Apr. 27.
Bodenschatz, August, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Lock. 1,582,791; Apr. 27.
Bolton, Mell A., Detroit, Mich. Internal-combustion engine. 1,582,241; Apr. 27.
Bonhôte, Gérald. (See de Montmollin, G., and Bonhôte.)
Booty, Philip C. P., Chicago,, assignor, by mesne assignments, to L. W. Frick, Oak Park, Ill. Article of manufacture. 1,582,242; Apr. 27.
Border, William R., Bedford, Pa. Auxiliary drill chuck for braces. 1,582,445; Apr. 27.
Bossi, Enea, New York, N. Y., assignor, by mesne assignments, to Stewart Warner Speedometer Corporation. Vacuum feed system. 1,582,628; Apr. 27.
Bowman, Harry D., assignor of one-half to E. V. Myers, East Orange, N. J. Feeding apparatus for pulverized fuel. 1,582,446; Apr. 27.
Boyle, James C. (See Kridler, B. C., and Boyle.)
Brach, E. J., & Sons. (See Stryker, Auriol M., assignor.)
Brach, Leon S., East Orange, N. J. Lightning-arrester construction. 1,582,330; Apr. 27.
Bradleld, John J., Jamaica, N. Y. Fastener and guide for asphalt shingles. 1,582,727; Apr. 27.
Bradley Washfountain Company. (See Schlesinger, L., and Heine, assignors.)
Brady, John B., Somerset, Md., assignor to Morkrum Company, Chicago, Ill. Radio telegraph system. 1,582,331; Apr. 27.
Bragg, Caleb S., Palm Beach,, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator for the brake mechanism of automotive vehicles. 1,582,118; Apr. 27.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Bramble, Jesse L., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 69,983; Apr. 27.
Brandes Laboratories, Inc. (See Brigham, C. E., and Rowe, assignors.)
Brandon, Ralph M., and A. V. Canfield, Pasadena, Calif. Brake. 1,582,447; Apr. 27.
Brandt, Folke E., High Wycombe, England. Window. 1,582,728; Apr. 27.
Braun, Philip N., assignor, by mesne assignments, to Liberty National Bank, trustee, Syracuse, N. Y. Garment and laundry press. 1,582,243; Apr. 27.
Braunger, Charles A. (See Larson, E. L., and Braunger.)
Breeze, Victor, Brighton, England. Switch for electric circuits. 1,582,376; Apr. 27.
Brenner, Jean N., Kansas City, Mo., assignor to Ready-set Marceller Company. Hair-waving device. 1,582,244; Apr. 27.
Bridgeport Safety Emery Wheel Company, The. (See Hyde, Elwin R., assignor.)
Bridgwater, Herbert E., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,582,448; Apr. 27.
Bridgwood, William D., Aylesbury, assignor to Beckett, Laycock & Watkinson Limited, London, England. Window guide. 1,582,506; Apr. 27.
Briggs, Elmer L., Plymouth, Mass. Shoe fastener. 1,582,667; Apr. 27.
Briggs, Warren R., Stratford, Conn. Pencil sharpener and wiper. 1,582,629; Apr. 27.
Brigham, Cecil E., and C. R. Rowe, East Orange, assignors to Brandes Laboratories, Inc., Newark, N. J. Circuits for electromagnetic sound reproducers. 1,582,505; Apr. 27.
Bring, Einar J., Franklin, Pa. Fire-box door. 1,582,160; Apr. 27.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Retainer for glazings and the like. 1,582,865; Apr. 27.
Bristol Seamless Ring Company. (See Kronstadt, Max, assignor.)
Broadbere, Martin A., and J. W. Costello, Crescent City, assignors of one-fourth to F. H. Matthew, Sacremento, and one-fourth to J. Y. Matthew, Venice, Calif. Internal-combustion engine. 1,582,377; Apr. 27.
Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve inside. 1,582,630; Apr. 27.
Brooklyn Box Toe Company. (See Davis, Robert, assignor.)
Brown Company. (See Moore, Hugh K., assignor.)
Brown Company. (See Richter, G. A., Van Arsdel, and Chase, assignors.)
Brown, William H., Cleveland, Ohio. Spring oiler. 1,582,163; Apr. 27.
Brown, Percy E., assignor to The Warren Featherbore Company, Three Oaks, Mich. Garment-trimming material. 1,582,161; Apr. 27.
Brown, Sidney G., North Acton, England. Telephone receiver. 1,582,162; Apr. 27.

Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Hollow rubber article. 1,582,507; Apr. 27.
Bruder, Edmund, assignor to A. H. Glos, Chicago, Ill. Dirigible light for vehicles. 1,582,245; Apr. 27.
Brueckmann, Adolph C., Baltimore, Md. Manually-operable control unit. 1,582,378; Apr. 27.
Bruns, Alfred E., Huntington, assignor to Metal Package Corporation of New York, New York, N. Y. Box. 1,582,631; Apr. 27.
Brust, August C., New York, N. Y. Orthodontic appliance. 1,582,570; Apr. 27.
Brutus, Carl B., assignor to W. V. Seifert, Denver, Colo. Roller-bits drilling tool. 1,582,332; Apr. 27.
Bryce, James W., Binghamton, N. Y., assignor to The International Time Recording Company of New York. Multiple time recorder. 1,582,333; Apr. 27.
Buchanan, Albert, Reddish Vale, near Stockport, England. Bearing for drying cylinders and the like. 1,582,246; Apr. 27.
Buchenau, John C., and E. R. Bishop, Syracuse, N. Y. Car fender. 1,582,729; Apr. 27.
Buck, Arthur W., St. Louis, Mo. X-ray-film packet. 1,582,730; Apr. 27.
Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Worm-wheel generating machine. 1,582,632; Apr. 27.
Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Process of straightening tapered disks. 1,582,571; Apr. 27.
Budd Wheel Company. (See Budd, Edward G., assignor.)
Budd Wheel Company. (See Fine, Lewis, assignor.)
Bundy, Benjamin G., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Gummed strip. 1,582,449; Apr. 27.
Buote, Frank A. (See Taylor, A. M., and Buote.)
Burch, Joseph S., Franklin, assignor to Joy Machine Company, Pittsburgh, Pa. Gathering mechanism. 1,582,247; Apr. 27.
Burkeyblle, Harley, Hillyard, Wash. Die wrench. 1,582,572; Apr. 27.
Burlingham, William, Tenefly, R. L. Lovell, Cranford, N. J., and A. C. Denslow, assignors to Adams, Lovell, Burlingham, Inc., New York, N. Y. Refrigerating apparatus. 1,582,633; Apr. 27.
Burstyn, Samuel L., Austin, Tex. Face protector or shield. 1,582,164; Apr. 27.
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Textile roll. 1,582,508; Apr. 27.
Byerley, Josiah H., Riverside, Calif. Envelope-sealing machine. 1,582,248; Apr. 27.
Calculagraph Company, The. (See Abbott, Henry, assignor.)
Caldwell, Edwin, New York, N. Y. Smoker's article. 1,582,025; Apr. 27.
Caldwell, Henry C., Buffalo, N. Y. Gas burner 1,582,634; Apr. 27.
Caldwell, Otis W., and E. R. Glenn, New York, N. Y., assignors to Kewaunee Mfg. Co., Kewaunee, Wis. Combination science table and classroom desk. 1,582,573; Apr. 27.
Callowhill, Percy J., Providence, R. I. Vanity case. 1,582,866; Apr. 27.
Callowhill, Percy J., Providence, R. I., assignor to Theodore W. Foster & Bro. Company. Vanity case. 1,582,867; Apr. 27.
Campbell, Elliott D., San Francisco, Calif. Roller iron. 1,582,379; Apr. 27.
Campbell, Wilson L., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic switching and telephone system. 1,582,334; Apr. 27.
Canfield, Arthur V. (See Brandon, R. M., and Canfield.)
Cantor, Jacob, Brooklyn, N. Y. Electric coffee urn. 1,582,165; Apr. 27.
Carbox Corporation, The. (See Aiken, Eugene D., assignor.)
Carey, Charles D., Cheyenne, Wyo. Polo bridle. 1,582,635; Apr. 27.
Carey, Philip, Manufacturing Company, The. (See Crabbs Roscoe B., assignor.)
Carleton, Paul W. (See Adamson, W. A., and Carleton.)
Carlson, John H., Nashwauk, Minn. Fence. 1,582,574; Apr. 27.
Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 1,582,120; Apr. 27.
Carpenter, Herbert W., and R. V. Ligon, Byers, Tex. Folding table. 1,582,380; Apr. 27.
Casteran, Juan G., Buenos Aires, Argentina. Tire. 1,582,575; Apr. 27.
Cederquist, Nils H., Alhambra, Calif. Variable-pitch propeller. 1,582,166; Apr. 27.
Chace, James B., Tiverton, R. I. Belt shifter. 1,582,731; Apr. 27.
Chaney Manufacturing Company, The. (See Keogh, Anthony, assignor.)
Chase, Albert W. (See Richter, G. A., Van Arsdel, and Chase.)
Chase, Earle M., assignor to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass. Marshmallow-beating machine. 1,582,509; Apr. 27.
Chemische Fabrik auf Actien (vorm. E. Schering). (See Thiele, Albrecht, assignor.)
Cherry, John W., Cumro, Nebr. Combined jack and wire stretcher. 1,582,119; Apr. 27.
Cheshire, Edward, Berlin Township, Wis., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press control mechanism. 1,582,576; Apr. 27.
Chester, D. Hubert, Buffalo, N. Y. Duplex strainer. 1,582,450; Apr. 27.
Chiarcossi, Guido, Powell River, B. C., Canada. Holder for milk bottles. 1,582,732; Apr. 27.
Chicago Forging & Manufacturing Company. (See Gilmore, Charles B., assignor.)
Chumley, Clifford T., Nashville, Tenn. Heating stove. 1,582,121; Apr. 27.
Cincinnati Victor Company, The. (See Ryder, Charles D., assignor.)
Cipresso, Samuel, Buffalo, N. Y. Cradle. 1,582,510; Apr. 27.
Citero, Mike, Chicago, Ill. Camera support. 1,582,381; Apr. 27.
Clapp, George W., New Rochelle, N. Y., assignor to The Dentists' Supply Company. Determining color characteristics. 1,582,122; Apr. 27.
Clark, Daniel M., Jamesburg, N. J. Watch shock absorber. 1,582,733; Apr. 27.
Clark, Edgar M., New York, N. Y., assignor to Standard Development Company. Distillation of crude petroleum. 1,582,123; Apr. 27.
Clark, Elizabeth H., Mangum, Okla. Razor blade and holder. 1,582,124; Apr. 27.
Clark, Walter G., New York, N. Y. Apparatus for molding and annealing glass. 1,582,335; Apr. 27.
Clarke, Frederick D., New York, N. Y. Toilet kit. 1,582,125; Apr. 27.
Clarke, Harold E., Somerville, Mass. Foot and last measuring machine. 1,582,636; Apr. 27.
Clifton, William E. (See Kay, F., and Clifton.)
Cliftophone Limited. (See Kay, F., and Clifton, assignors.)
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo. Valve structure for acetylene torches. 1,582,511; Apr. 27.
Collis, Meyer, Charleston, S. C. Half-moon-roll-making machine. 1,582,382; Apr. 27.
Columbia Tire Corporation. (See Cullen, Julien F., assignor.)
Commercial Solvents Corporation. (See Legg, David A., assignor.)
Commercial Solvents Corporation. (See Legg, D. A., and Hancock, assignors.)
Complex Ores Recoveries Company, The. (See Read, J. B., and Coolbaugh, assignors.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watch-case appendage. Des. 69,984; Apr. 27.
Conklin, Andrew M., et al. (See Pumphrey, Hugh C., assignor.)
Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
Connally, Kathryn M., Chicago, Ill. Safety guard for earrings. 1,582,383; Apr. 27.
Constantinesco, George, Weybridge, England. Power transmission. 1,582,734; Apr. 27.
Cook, Frank S., Hancock, Mich. Convertible scrubber standpipe and retort mouthpiece. 1,582,167; Apr. 27.
Coolbaugh, Melville F. (See Read, J. B., and Coolbaugh.)
Cooley, Henry B., assignor to The American Paper Goods Company, Kensington, Conn. Sanitary dispensing apparatus. 1,582,451; Apr. 27.
Cooper, Clark W., Orlando, Fla. Building block. 1,582,735; Apr. 27.
Cooper, Hugh S., and L. P. Bensing, assignors to Kemet Laboratories Company, Inc., Cleveland, Ohio. Production of zirconium oxide. 1,582,126; Apr. 27.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Heating furnace. 1,582,127; Apr. 27.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Furnace-door-heating mechanism. 1,582,128; Apr. 27.
Corbitt, James H., Houston, Tex. Land leveler and road maintainer. 1,582,384; Apr. 27.
Cornide, Manuel Q., Habana, Cuba. Window blind. 1,582,129; Apr. 27.
Costello, John W. (See Bradbere, M. A., and Costello.)
Cousinard, Albert, Courbevole, France. Device for raising carriage and other windows. 1,582,736; Apr. 27.
Cowell, Robert F., Bogota, N. J., and F. L. Lipcot, assignors to The Rubber Shock Insulator Company, Inc., New York, N. Y. Cushion connection for vehicle construction. 1,582,637; Apr. 27.
Crabbs, Roscoe B., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Expansion joint. 1,582,638; Apr. 27.
Cramerton Mills, Incorporated. (See Hinson, Odus C., assignor.)
Crane, Ernest E., Minneapolis, Minn., assignor to Pettibone, Mulliken Company, Chicago, Ill., Dipper bucket. 1,582,577; Apr. 27.
Crawford, Guy E., Mount Carmel, Ill. Portable fireplace. 1,582,737; Apr. 27.
Crawford, Robert M., Pittsburgh, Pa. Recovery of phenols and cresols. 1,582,512; Apr. 27.

Creed, Frederick G., Croydon, England. Telegraphic apparatus for the automatic reception and retransmission of electric signals. 1,582,578; Apr. 27.
Crown Willamette Paper Company. (See Thomsen, Alfred M., assignor.)
Crowther, Neil, New York, N. Y. Fountain pen or similar article. Des. 69,985; Apr. 27.
Cullen, James K., assignor to Niles-Bement-Pond Company, New York, N. Y. Metal-working machine. 1,582,639; Apr. 27.
Cullen, Julien P., assignor to Columbia Tire Corporation, Portland, Oreg. Tire. Des. 69,986; Apr. 27.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to A. D. Stewart, Hutchinson, Kans. Apparatus for producing corrugated board. 1,582,579; Apr. 27.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to A. D. Stewart, Hutchinson, Kans. Forming a corrugated board and product produced thereby. 1,582,580; Apr. 27.
Cumiskey, Edward F., Milwaukee, Wis. Connecting-rod truing gauge. 1,582,249; Apr. 27.
Currey, James G., Leavenworth, Kans. Apparatus for placing hoisting cables beneath ships. 1,582,130; Apr. 27.
Curtis, Philip N., assignor to Baker Box Company, Worcester, Mass. Reinforced packing box. 1,582,885; Apr. 27.
Cuthbert, Watson, assignor, by mesne assignments, to The Re Fil Broom Company, Cleveland, Ohio. Broom. 1,582,250; Apr. 27.
Cutler-Hammer Mfg. Co., The. (See Stoekle, E. R., and Simon, assignors.)
Cutter, George Company. (See Hibben, Samuel G., assignor.)
Dalton Adding Machine Company. (See Landsiedel, Harry, assignor.)
Dalton, Hubert, Stamford, Conn. Casing for electric motors. 1,582,640; Apr. 27.
Daniélou, René L. M., and J. J. Verhoëven, Lorient, assignors to Vigneron, Dahl & Cie., La Rochelle, France. Trawling gear. 1,582,641; Apr. 27.
Danner, Philip S., Point Richmond, assignor to Standard Oil Company, San Francisco, Calif. Recovering a metallic halide from hydrocarbon sludges. 1,582,131; Apr. 27.
Darling, Frank W., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Coaster car for pleasure coasters. 1,582,581; Apr. 27.
Dauphinais, Henry C., Fargo, N. Dak. Garment. 1,582,385; Apr. 27.
Davis, Alfred P., San Augustine, Tex. Fencepost-preserving device. 1,582,168; Apr. 27.
Davis, Edward E., Chicago, Ill. Centering-form apparatus for concrete floor construction. 1,582,582; Apr. 27.
Davis, Robert, assignor to Brooklyn Box Toe Company, Brooklyn, N. Y. Shank stiffener. 1,582,642; Apr. 27.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Article of footwear. Des. 69,987; Apr. 27.
Deatley, Oliver B., Indianapolis, Ind. Oil-waste retainer. 1,582,251; Apr. 27.
De Boer, Jan H. (See Van Arkel, A. E., and de Boer.)
De Goey, William, Providence, R. I. Vanity container. 1,582,452; Apr. 27.
De Lopatto, Janvier, Washington, D. C. Vehicle wheel. 1,582,814; Apr. 27.
Delacuvellerie, Ernest, assignor to The Société Anonyme "Brevets Foûrcault", Dampremy, Belgium. Controlling the temperature of cast glass in the manufacture of sheet glass by vertical drawing. 1,582,132; Apr. 27.
Demers, Arthur E., assignor to American Optical Company, Southbridge, Mass. Lens measure. 1,582,133; Apr. 27.
De Montmollin, Guillaume, and G. Bonhôte, assignors to The Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuff and making same. 1,582,029; Apr. 27.
Denslow, Albert C. (See Burlingham, W.; Lovell, and Denslow.)
Dent Hardware Co. (See Schrader, Thomas O., assignor.)
Dentists' Supply Company. (See Clapp, George W., assignor.)
Detroit Patents Holding Company. (See Haggart, John C., jr., assignor.)
Devine, John A., Thorold, Ontario, Canada. Paper-making machine. 1,582,583; Apr. 27.
Dewey and Almy Chemical Company, et al. (See Hopkinson, E., and Dewey, assignors.)
Dewey, Bradley. (See Hopkinson, E., and Dewey.)
Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
Display Stage Lighting Co. Inc. (See Levy, Joseph, assignor.)
Dittrich, August C., Chicago, Ill. Emblem or similar article. Des. 69,988; Apr. 27.
Dixon, Arnold M., assignor to The Foxboro Company, Foxboro, Mass. Controlling instrument. 1,582,868; Apr. 27.
Dodson, Carroll E., Kansas City, Mo. Storage-battery-plate-molding machine. 1,582,252; Apr. 27.
Dole, Frank E. (See Gudmundsen, A., and Dole.)
Doley, William G., Torrensville, South Australia, Australia. Lens-grinding machinery. 1,582,513; Apr. 27.
Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Metal mold. 1,582,169; Apr. 27.
Drake, Charles, Mannington, W. Va. Reenforcing device. 1,582,584; Apr. 27.
Dreifuss, Max, Baden-Baden, Germany. Coating vessels. 1,582,668; Apr. 27.
Drilling, Joseph F., Stanton, Minn. Dehorning device. 1,582,643; Apr. 27.
Dryden Rubber Company. (See Reeves, George C., assignor.)
Duhbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbon oils. 1,582,585; Apr. 27.
Duclos, Aeneas J. N., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for producing plastic articles. 1,582,026; Apr. 27.
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Roller mechanism. 1,582,514; Apr. 27.
Dugger, Corlis W., Vidalia, Ga. Heat-distributing device. 1,582,738; Apr. 27.
Duke, Hugh L., et al. (See Pumphrey, Hugh C., assignor.)
Dumas, George A., assignor of one-fourth to H. L. Handy, sr., one-fourth to H. L. Handy, jr., and one-fourth to H. H. Handy, Springfield, Mass. Chocolate-coating machinery. 1,582,644; Apr. 27.
Dunbar, Henry A., Woodstock, New Brunswick, Canada. Lath-cutting machine. 1,582,027; Apr. 27.
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing machine. 1,582,386; Apr. 27.
Dundas, Kenneth, Glasgow, Scotland. Means for the manufacture, centrifugally, of pipes, columns, and other hollow articles. 1,582,586; Apr. 27.
Dunlap, David E., assignor to G. Elias & Bro. Inc., Buffalo, N. Y. Fitting for airplanes. 1,582,587; Apr. 27.
Dunn, Irwin L., assignor to Tidal-Dunn Company, Tulsa, Okla. Portable air compressor. 1,582,028; Apr. 27.
Du Pont, E. I., de Nemours & Company. (See Adamson, W. A., and Carleton, assignors.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Duraform Company, The. (See Selfridge, Harrison A., assignor.)
Duratex Corporation. (See Mason, Jesse H., assignor.)
Durkee, Henry E., Glastonbury, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Screw-thread-cutting means for bench lathes. 1,582,669; Apr. 27.
Dustan, Frederick P., Buffalo, assignor to J. Walrath, Salamanca, N. Y. Print roller. 1,582,453; Apr. 27.
Dye, John B., Hardesty, Okla. Trunk. 1,582,739; Apr. 27.
Echberg, Arthur F. (See Swanton, G. H., and Echberg.)
Eckelmans, Frederick A., Portland, Oreg. Pipe. 1,582,670; Apr. 27.
Economies Research Company. (See Squires, John, assignor.)
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Edwards, Clarence G., Los Angeles, Calif. Bearing lubricator. Re16,337; Apr. 27.
Edwards, George W., assignor of one-tenth to J. P. Gilligan, one-tenth to C. Gilligan, one-tenth to C. C. Monahan, one-tenth to H. F. Widman, and one-tenth to F. C. Garbe, Toledo, Ohio. Automatic train-stopping device. 1,582,208; Apr. 27.
Egloff, Gustav and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Dephlegmator. 1,582,588; Apr. 27.
Ehret, Conrad, Oklahoma City, Okla. Closure for thief holes for tanks and other receptacles. 1,582,209; Apr. 27.
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electrical Improvements Limited. (See Gregory, Richard W., assignor.)
Electro Metallurgical Company. (See Bagley, Glen D., assignor.)
Elevator Supplies Company. (See Lighthipe, Kenneth D., assignor.)
Elia, Giovanni E., Rome, Italy, assignor of one-half to D. Lucas, London, England. Submarine weapon for use against vessels equipped with paravanes or the like. 1,582,387; Apr. 27.
Elia, Giovanni E., Rome, Italy, assignor of one-half to D. Lucas, London, England. Mine-sweeping apparatus. 1,582,388; Apr. 27.
Elias, G., & Bro., Inc. (See Dunlap, David E., assignor.)
Elliott, Edward O., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Valve gear for locomotives. 1,582,877; Apr. 27.
Elliott, Paul C., Dayton, Ohio. Lubricating system. 1,582,253; Apr. 27.
Elliott, Paul C., Dayton, Ohio. Steering mechanism. 1,582,254; Apr. 27.
Elyria Iron & Steel Company, The. (See Sessions, Frank L., assignor.)
England, Arthur E., Rockaway Beach, N. Y. Antiseptic toothbrush holder. 1,582,389; Apr. 27.
Englert, George F., Pittsburgh, Pa. Automobile tire. Des. 69,989; Apr. 27.

Eschholz, Otto H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protected welding circuits. 1,582,671; Apr. 27.
Etablissements Poulenc Freres. (See Oechslin, Carl, assignor.)
Evans, Arthur B., Leeds, England. Printing machine. 1,582,390; Apr. 27.
Evans, Martin E., Kankakee, Ill. Self-anchoring post. 1,582,454; Apr. 27.
Exline, Marcus P., Dallas, Tex. Identifying device. 1,582,589; Apr. 27.
Fabrizio, Charles, and E. Formichella, Rome, N. Y. Vending machine. 1,582,455; Apr. 27.
Fageol, Rollie B., Oakland, Calif. Vehicle spring support. 1,582,672; Apr. 27.
Fager, Albert H., assignor of one-half to H. A. Fager, Los Angeles, Calif. Dump-body lifter. 1,582,740; Apr. 27.
Fager, H. A. (Fager, Albert H., assignor.)
Fahnestock Electric Company. (See Kuskin, David K., assignor.)
Fahrenwald, Frank A., Cleveland Heights, Ohio. Rifle bullet. 1,582,673; Apr. 27.
Fairbanks Company, The. (See Hancock, Samuel L., assignor.)
Fairchild, Walter L., New York, N. Y. Vulcanizing auto tires. 1,582,255; Apr. 29.
Fairgrieve, Archibald. (See Fairgrieve, Frederick M. and A.)
Fairgrieve, Frederick M. and A., Toronto, Ontario, Canada. Washing machine. 1,582,674; Apr. 27.
Farber, Simon W., Brooklyn, N. Y. Metal dish or similar article. Des. 69,990; Apr. 27.
Farrelly, Anna A., administratrix. (See Farrelly, Peter P.)
Farrelly, Peter P., deceased; A. A. Farrelly, Portland, Oreg., administratrix. Rail joint. 1,582,210; Apr. 27.
Faucon, Adelaide. (See Johnson, F. M., and Faucon.)
Faust, Edwin S., assignor to the Society of Chemical Industry in Basle, Basel, Switzerland. Injectable solutions of drugs insoluble in water. 1,582,456; Apr. 27.
Fay, Richard D., Nahant, Mass., assignor to Submarine Signal Company, Portland, Me. High-frequency oscillator. 1,582,590; Apr. 27.
Federal Steel Sash Company. (See Humphries, Fred, assignor.)
Federal Telephone Manufacturing Corporation. (See Horle, Lawrence C. F., assignor.)
Felix, Edwin W. (See Willis, O. D., and Felix.)
Fellows, Thomas, Los Angeles, Calif. Hollow masonry wall construction. 1,582,170; Apr. 27.
Felt, John M., administrator. (See Page, Robert F.)
Ferguson, Herbert J., Gareiochhead, Scotland. Boat-releasing gear. 1,582,741; Apr. 27.
Fernstrom, Raymond I., Sharon, Mass. Vehicle spring. 1,582,134; Apr. 27.
Fischer, Albert C., Chicago, Ill. Expansion joint. 1,582,880; Apr. 27.
Fick, Reinhold, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of formamid. 1,582,675; Apr. 27.
Filter, Frank R., Watertown, Mass., assignor to Standard Oil Company of New York, N. Y. Tank wagon. 1,582,869; Apr. 27.
Findley, William F., Los Angeles, Calif. Combination liquid-soap dispenser and towel rack. 1,582,645; Apr. 27.
Fine, Lewis, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Demountable wheel. 1,582,515; Apr. 27.
Flansburg, Peter, Manistee, Mich., assignor, by mesne assignments, to A. J. McKay, Chicago, Ill. Berry box. 1,582,591; Apr. 27.
Fleming, Lottie, Clarion, Pa. Caster. 1,582,211; Apr. 27.
Flesch, Charles W. and W. J. Schmitt, Rochester, N. Y. Roof connection. 1,582,646; Apr. 27.
Fletcher Works, Incorporated. (See Bodenschatz, August, assignor.)
Fletcher Works, Incorporated. (See Schaum, F., and Schmauk, assignors.)
Fletcher Works, Incorporated. (See Schmauk, John F., assignor.)
Flettner, Anton, Berlin, Germany. Governing of surfaces moving within a nonrigid medium. 1,582,391; Apr. 27.
Flood, Andrew. (See Talbot, O. C., and Flood.)
Forbing, John W., Albany, assignor to The Bayer Co. Inc., Rensselaer, N. Y. Ready-soluble silver-protein tablet and the like. 1,582,742; Apr. 27.
Focke, Henri, Villemonble, and F. Marion, Patin, France. Pianoforte. 1,582,030; Apr. 27.
Folberth, Frederick G. and W. M., Cleveland, Ohio. Fuel-feeding system. 1,582,212; Apr. 27.
Folberth, William M. (See Folberth, Frederick G. and W. M.)
Formichella, Ernest. (See Fabrizio, C., and Formichella.)
Ford, Ernest L., Darlington, England. Exhaust ventilator. 1,582,592; Apr. 27.
Ford, Stuart M., Bridgeport, Conn. Festooning machine. 1,582,457; Apr. 27.
Forsman, Harry A., Tenafly, N. J. Attachment for addressing machines. 1,582,743; Apr. 27.
Fortney, Frank D., Brooklyn, N. Y. Book. 1,582,458; Apr. 27.
Foss, William A., Cleveland, Ohio. Artificial bait. 1,582,171; Apr. 27.
Foster, Theodore W., & Bro. Company. (See Callowhill, Percy J., assignor.)
Foster, Theodore W., & Bro. Company. (See Wilson, Ralph W., assignor.)
Foster, Thomas J., Ridgewood, N. J. Floor construction. 1,582,172; Apr. 27.
Foster, Thomas J., Ridgewood, N. J. Fireproof floor construction. 1,582,173; Apr. 27.
Fostoria Glass Co. (See Magee, William H., assignor.)
Foxboro Company, The. (See Bristol, Edgar H., assignor.)
Foxboro Company, The. (See Dixon, Arnold M., assignor.)
Franck, Maurice. (See Lutton, William J., assignor.)
Frank, Peter, assignor to Knickerbocker Bindery, Inc., New York, N. Y. Temporary loose-leaf binder. 1,582,459; Apr. 27.
Franklin, Charles R., Dover, N. J. Propellant powder. 1,582,256; Apr. 27.
Franklin, H. H., Mfg. Company. (See Stellmann, L. M., and Murphy, assignors.)
Franklin Simon & Co. (See Davis, Taube.)
Fratzke, Gustav, Merrill, Wis. Potato-beetle exterminator. 1,582,744; Apr. 27.
Freitag, Knud, Oakland, Calif. Circulating pump. 1,582,647; Apr. 27.
Frick, Leslie W. (See Booty, Philip C. P., assignor.)
Freidberger-Aaron Manufacturing Company. (See Goldsmith, Henry F., assignor.)
Frizell, De Ralph, assignor to Union Oil Company of California, Los Angeles, Calif. Castor machine oil. 1,582,258; Apr. 27.
Frizell, De Ralph, Los Angeles, and B. A. Stagner, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Preparing soluble oil. 1,582,257; Apr. 27.
Fulford, Peter W. (See Hedstrom, Gustav W., assignor.)
Fuller, Leonard F., Palo Alto, Calif., assignor, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J. Signaling system. 1,582,460; Apr. 27.
Fullerton, Clarence A., New York, N. Y. Display sign. Des. 69,991; Apr. 27.
Furber, Frederick M., Revere, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,582,259; Apr. 27.
Fulton Company, The. (See Giesler, Jean V., assignor.)
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 1,582,260; Apr. 27.
Gabrielson, Carl, assignor to L. C. Smith and Bros. Typewriter Inc., Syracuse, N. Y. Typewriter platen for index cards. 1,582,031; Apr. 27.
Gallaher, Edward B., Pontiac, Mich., assignor of one-half to J. L. Smith, Windsor, Ontario, Canada. Turbine. 1,582,174; Apr. 27.
Gallop, Russell L., Harbinger, N. C. Radius-rod brace. 1,582,593; Apr. 27.
Garbe, Frank C., et al. (See Edwards, George W., assignor.)
Gardner & Company. (See Grabo, Alfred W., assignor.)
Garnett, Henry J. (See Smith, W. S., and Garnett.)
Gase, Eugene, and L. C. Reese, Saginaw, Mich., assignors to Baker-Perkins Company, Inc., White Plains, N. Y. Brush sifter. 1,582,461; Apr. 27.
Gauriat, Pierre S., assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Motion-picture apparatus. 1,582,032; Apr. 27.
Geffcken, Rudolf H. H., and R. H. Richter, Leipzic-Gohlis, Germany. Alarm device. 1,582,745; Apr. 27.
Geissen, Carl. (See Lasche, O., and Geissen.)
General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
General Rubber Company, et al. (See Hopkinson, E., and Dewey, assignors.)
General Rubber Company. (See Hopkinson, E., and Rose, assignors.)
Gibson, George H., Upper Montclair, N. J. Furnace regulation. 1,582,392; Apr. 27.
Gibson, George H., Montclair, N. J. Furnace regulation. 1,582,648; Apr. 27.
Gibson, Lee D., Dallas, Tex. Lock combination. 1,582,393; Apr. 27.
Gibson, Victor L., Los Angeles, Calif. Belt tightener and guide. 1,582,516; Apr. 27.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Cooling system for internal-combustion engines. 1,582,462; Apr. 27.
Gilbert, A. C., Company, The. (See Lanz, John, assignor.)
Gilliam, Harry F. (See Mikesell, B. F., and Gilliam.)
Gilligan, Christena, et al. (See Edwards, George W., assignor.)
Gilligan, James P., et al. (See Edwards, George W., assignor.)
Gillinder, Edgar A., Philadelphia, Pa. Electric-lighting fixture. 1,582,649; Apr. 27.
Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,582,261; Apr. 27.
Girin, Antoine, Lyon, France. Carburetor. 1,582,594; Apr. 27.
Gist, Nathaniel. (See Stephens, James F., assignor.)
Gledhill, William, Barkisland, near Halifax, England. Weighting motion. 1,582,394; Apr. 27.

Glenn, Earl R. (See Caldwell, O. W., and Glenn.)
Glos, Albert H. (See Bruder, Edmund, assignor.)
Godfrey, Alfred, Wood Green, London, England. Cutting by means of the oxyacetylene or other suitable jet process. 1,582,033; Apr. 27.
Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Legend-changing lamp front. 1,582,676; Apr. 27.
Gold Dust Corporation. (See Vickery, Frank E., assignor.)
Golden, John P., assignor to Goldens' Foundry & Machine Co., Columbus, Ohio. Shaft mounting. 1,582,213; Apr. 27.
Goldens' Foundry & Machine Co. (See Golden, John P., assignor.)
Goldsmith, George H., Melrose, Mass. Vehicle wheel. 1,582,595; Apr. 27.
Goldsmith, Henry F., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Garter-display means. 1,582,463; Apr. 27.
Goodall, Fred E., Chicago, Ill. Machine for treating foods and other substances with rays. 1,582,677; Apr. 27.
Goodhue, Harry M., sr., Boston, Mass. Aerial-picture apparatus. 1,582,262; Apr. 27.
Goodwin, Walter C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,582,678; Apr. 27.
Gorham Mfg. Company. (See Marchesseault, Joseph R., assignor.)
Goshi Kaisha Sankosha. (See Kamide, J., and Imashiro, assignors.)
Grabo, Alfred W., Chicago, Ill., assignor to Gardner & Company. Punching machine. 1,582,596; Apr. 27.
Graham, Anna B., et al. (See Polhamus, Fred M., assignor.)
Graham Glass Company, The. (See Bramble, Jesse L., assignor.)
Graham Glass Company, The. (See Grannan, William D., assignor.)
Graham Glass Company, The. (See Livers, James T., assignor.)
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Grannan, William D., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 69,992; Apr. 27.
Grass, Otto R., assignor to The Oro-Tone Company, Chicago, Ill. Sound-control construction. 1,582,263; Apr. 27.
Grasselli Dyestuff Corporation. (See Kränzlein, G., Greuen, Sedlmayr, and Vollmann, assignors.)
Gray, Gordon D., Stoughton, Saskatchewan, Canada. Automatic glove-wave-closing device. 1,582,214; Apr. 27.
Gray, Winfield E. (See Grundy, F. and Gray.)
Greer, James B., Pittsburgh, Pa. Glass-cutting machine. 1,582,679; Apr. 27.
Gregory, Richard W., Hexham-on-Tyne, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Electric switch fuse. 1,582,215; Apr. 27.
Greune, Heinrich. (See Kränzlein, G., Greune, Sedlmayr, and Vollmann.)
Gribojedoff, Nicolai, Rastatt, Germany. Air compressor. 1,582,264; Apr. 27.
Griffin, James C., Erie, Pa. Door catch. 1,582,265; Apr. 27.
Grossmann, Frank. (See Luckwaldt, D., and Katz, Grossmann.)
Grubb, Robert C., San Francisco, Calif. Drill. 1,582,680; Apr. 27.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Milling machine for musical-instrument knobs. 1,582,870; Apr. 27.
Grundin, Louis, Chicago, Ill. Mechanical stoker. 1,582,034; Apr. 27.
Grundy, Fred, Conimicut, and W. E. Gray, Pawtucket, R. I. Pouring-spout can attachment. 1,582,035; Apr. 27.
Grünewald, Heinrich, Hilchenbach, Germany. Annealing furnace. 1,582,036; Apr. 27.
Gudmundsen, Austin, and F. E. Dole, Salt Lake City, Utah. Laundry pin. 1,582,175; Apr. 27.
Guild, Waldo J. (See Heald, J. N., and Guild.)
Gurney, Erving R., Beechhurst, assignor to International Motor Company, New York, N. Y. Vehicle construction. 1,582,878; Apr. 27.
Gurwitz, Harry, Providence, R. I. Conductor's vest. 1,582,517; Apr. 27.
Gustafson, Arthur H., Jersey City, N. J., assignor to H. E. Holbrook, Boston, Mass. Machine for sealing circulars. 1,582,135; Apr. 27.
Gustin, Grace and W. J., Los Angeles, Calif. Composition for reproducing designs, prints, pictures, etc. 1,582,136; Apr. 27.
Gustin, William J. (See Gustin, Grace and W. J.)
Haemmerli, Rudolf, Lenzburg, Switzerland. Butt cap for guns, especially for short rifles. 1,582,395; Apr. 27.
Haggart, John C., jr., Alma, assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich. Automobile door board. 1,582,176; Apr. 27.
Hainline, James S., Macomb, Ill. Vault. 1,582,746; Apr. 27.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-wrapping mechanism. 1,582,597; Apr. 27.
Hamilton-Beach Mfg. Co. (See Albrecht, Robert J., assignor.)
Hamilton Beach Mfg. Co. (See Horrell, Martin, assignor.)
Hamilton-Beach Mfg. Co. (See Riebel, Fred, jr., assignor.)
Hammer, Charles, Hollis Court Boulevard, N. Y. Glass container. 1,582,681; Apr. 27.
Hammer, Charles, Hollis Court Boulevard, N. Y. Combined lug cap and liner plate. 1,582,682; Apr. 27.
Hammond, John H., jr., Gloucester, Mass. System of radio telegraphy and telephony. 1,582,177; Apr. 27.
Hanaoka, Motokiti. (See Okochi, M., and Hanaoka.)
Hancock, Clarence W. (See Legg, D. A., and Hancock.)
Hancock, Samuel L., Rome, Ga., assignor to The Fairbanks Company. Antifriction swivel caster. 1,582,598; Apr. 27.
Handy, Herbert L., jr., et al. (See Dumas, George A., assignor.)
Handy, Herman H., et al. (See Dumas, George A., assignor.)
Hanemann, Frank, Los Angeles, Calif. Mitering machine. 1,582,396; Apr. 27.
Hanks, Harry F., Mystic, Conn. Timer. 1,582,747; Apr. 27.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for square-piston engines. 1,582,464; Apr. 27.
Hansen, Ruth M., Duluth, Minn. Manuscript case. 1,582,397; Apr. 27.
Hanson, Hans P., Chicago, Ill. Easel. 1,582,599; Apr. 27.
Haring, Ralph. (See Haring, U. G., Sutter, and Haring.)
Haring, Ulysses G., E. E. Sutter, and R. Haring, Washington, D. C. Ventilating water-closet. 1,582,748; Apr. 27.
Harmon, Francis T., Chicago, Ill. Radiocoil and making same. 1,582,683; Apr. 27.
Harrington, Matthew, Spokane, Wash. Starter. 1,582,137; Apr. 27.
Harris Automatic Press Company, The. (See Harrold, Charles W., assignor.)
Harris, Henry, London, England. Treating impure molten metals. 1,582,037; Apr. 27.
Harris, Henry, London, England. Apparatus for treating impure molten metals. 1,582,038; Apr. 27.
Harrold, Charles W., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Printing press. 1,582,039; Apr. 27.
Harshberger, Norman P., Chicago, Ill. Roofing material. 1,582,266; Apr. 27.
Hart, Glenn A., Bell, assignor to C. A. Musselwhite, Los Angeles, Calif. Walking-beam and sucker-rod connection for deep-well pumps. 1,582,465; Apr. 27.
Hartel, Albert F. (See Krog, H. T., and Hartel.)
Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Electric heater for street cars and the like. 1,582,684; Apr. 27.
Harwood, George. (See Harwood, William W. and G.)
Harwood, William W., Grannis, Ark., and G. Harwood, Dickinson, Tex. Insect destroyer. 1,582,466; Apr. 27.
Haskell, Parker B., assignor of one-third to W. B. Pohle, Lynn, and one-third to S. V. Russell, Chelsea, Mass. Sediment collector for splash troughs. 1,582,040; Apr. 27.
Haskell, Parker B., assignor of one-third to W. B. Pohle, Lynn, and one-third to S. V. Russell, Chelsea, Mass. Oil trough for internal-combustion engines. 1,582,041; Apr. 27.
Hatch, Nathan, assignor to S. V. Hatch, Albany, N. Y. Combination garment. 1,582,815; Apr. 27.
Hatch, Stephen V. (See Hatch, Nathan, assignor.)
Hausmeister, Paul, Goppingen, Germany. Safety device for gas-filled spaces. 1,582,398; Apr. 27.
Hawkins, Chester L., Sunburst, N. C. Skidder carriage. 1,582,749; Apr. 27.
Hay, George S., assignor to Asphalt Cold Mix (1925) Limited, Westminster, London, England. Bituminous emulsion. 1,582,467; Apr. 27.
Hayes, John E. R., Melrose, Mass. Indicating conditions within the radiator of a combustion engine. 1,582,600; Apr. 27.
Hayes Wheel Company. (See Higgins, Eugene, assignor.)
Heald, James N., and W. J. Guild, assignor to The Heald Machine Company, Worcester, Mass. Fluid-pressure controlling and reversing mechanism for grinding machines and the like. 1,582,468; Apr. 27.
Heald Machine Company, The. (See Heald, J. N., and Guild, assignors.)
Heald Machine Company, The. (See Law, William, assignor.)
Heckrodt, Frank O. (See Little, Orton C., assignor.)
Heddon's, James, Sons. (See Welch, Jack T., assignor.)
Hedstrom, Gustav W., assignor of one-half to P. W. Fulford, Chicago, Ill., C. O. N. D. Hedstrom, administratrix of said Gustav W. Hedstrom, deceased. Can-testing machine. 1,582,216; Apr. 27.
Hedstrom, Olga N. D., administratrix. (See Hedstrom, Gustav W.)
Heine, Herman E. (See Schlesinger, L., and Heine.)
Heine, John, & Son Limited. (See Stuart, Sydney, assignor.)

Heines, Arthur Q., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Headlight. 1,582,138; Apr. 27.
Helander, Victor W., San Pedro, Calif. Siphon pump. 1,582,399; Apr. 27.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,582,469; Apr. 27.
Hemp & Company Corporation. (See Hemp, Joseph L., assignor.)
Hemp, Joseph L., assignor to Hemp & Company Corporation, St. Louis, Mo. Stovepipe thimble. 1,582,816; Apr. 27.
Hennessy, Francis W., Providence, R. I. Radio apparatus. 1,582,042; Apr. 27.
Henry, Augustus M., Brooklyn, assignor to W. Weitling, trustee, College Point, N. Y. Centrifugal casting. 1,582,601; Apr. 27.
Henry, Thomas, Auckland, New Zealand. Electrically operating stamping, embossing, and the like machines. 1,582,217; Apr. 27.
Herger, Howard C., assignor to The Pierce Glass Company, Port Allegany, Pa. Bottle. Des. 69,993; Apr. 27.
Herskovitz, Max, deceased, by W. Herskovitz, executor, Chicago, Ill. Electrical socket structure. 1,582,602; Apr. 27.
Herskovitz, William, executor. (See Herskovitz, Max.)
Heusser, Julius, Clear Lake, Wis. Ventilated can cover. 1,582,400; Apr. 27.
Hibben, Samuel G., Bloomfield, N. J., assignor to George Cutter Company. Lighting fixture. 1,582,817; Apr. 27.
Higginbotham, Robert L. (See Turner, B. R., and Higginbotham.)
Higgins, Eugene, assignor to Hayes Wheel Company, Jackson, Mich. Rolling machine. 1,582,267; Apr. 27.
Hilberry, Norman, Steubenville, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for electric welding. 1,582,043; Apr. 27.
Hinson, Odus C., assignor to Cramerton Mills, Incorporated, Cramerton, N. C. Thread cutter and revoker for automatic looms. 1,582,818; Apr. 27.
Hipwell, Harry H. (See Hipwell, Harry T. and H. H.)
Hipwell, Harry T. and H. H., Pittsburgh, Pa. Safety closure for receptacles. 1,582,218; Apr. 27.
Hochstetter, Frederick W. (See McCurdy, R. P., and Hochstetter.)
Hodgkiss, William H., New York, N. Y. Steam trap. 1,582,750; Apr. 27.
Hoff, Carlton L. (See Naugle, Girardus G., assignor.)
Hohein, George C., Clarendon, assignor to The Phoenix Manufacturing Company, Inc., Alexandria, Va. Copyholder for typewriters. 1,582,401; Apr. 27.
Holbrook, Henry E. (See Gustafson, Arthur H., assignor.)
Holland-Letz, John, assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding burr. 1,582,819; Apr. 27.
Holley, Earl. (See Dostal, Joseph L., assignor.)
Holley, George M. (See Anderson, Raymond M., assignor.)
Honan, Martin F., Bayonne, N. J. Scaffold construction. 1,582,402; Apr. 27.
Hood Rubber Company. (See Perrault, J. E., and Schroeder, assignors.)
Hooper, William J., Berkeley, Calif. Separator. 1,582,603; Apr. 27.
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopkinson, Ernest, New York, N. Y., and B. Dewey, assignors of one-half to Dewey and Almy Chemical Company, Cambridge, Mass., and one-half to General Rubber Company, New York, N. Y. Seal for cans and other containers. 1,582,219; Apr. 27.
Hopkinson, Ernest, and R. P. Rose, assignors to General Rubber Company, New York, N. Y. Process and apparatus for drying coagulable liquids. 1,582,604; Apr. 27.
Horle, Lawrence C. F., Newark, N. J., assignor to Federal Telephone Manufacturing Corporation, Buffalo, N. Y. Neutralized amplifier system. 1,582,470; Apr. 27.
Horrell, Martin, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Agitator. 1,582,518; Apr. 27.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-modulation system. 1,582,044; Apr. 27.
Hoskins, William, Chicago, Ill. Preparing sheet gelatin material. 1,582,605; Apr. 27.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
Houstead, Grant L., Youngstown, Ohio. Window lock. 1,582,751; Apr. 27.
Howard, Alden L., Ann Arbor, Mich. Automatic starting and stopping device for phonographs. 1,582,606; Apr. 27.
Howe, Alonzo H. D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vehicle. 1,582,045; Apr. 27.
Hoyle, John S., Ware, Mass. Roller-bearing pressing roller for drawing and spinning frames. 1,582,752; Apr. 27.
Hudson, Irving, Wilkes-Barre, Pa. Window-screen ventilator. 1,582,471; Apr. 27.
Hughes, John, Clear Lake, Iowa. Divider board. 1,582,753; Apr. 27.
Hughes, John L., assignor of one-half to E. N. Wycoff, Tulsa, Okla. Combination tool. 1,582,046; Apr. 27.
Hulbert, Clinton H., and W. J. Tideman, assignors to Signal Electric Mfg. Co., Menominee, Mich. Variable condenser. 1,582,519; Apr. 27.
Hume, Walter R., Melbourne, Victoria, Australia. Manufacture of concrete slabs and the like. 1,582,607; Apr. 27.
Humphries, Fred, assignor to Federal Steel Sash Company, Waukesha, Wis. Metal window. 1,582,047; Apr. 27.
Hungerford, Warren H., Chicago, Ill. Biscuit-sorting machine. 1,582,820; Apr. 27.
Hunter, James A., Memphis, Tenn. Cotton-stalk puller and binder. 1,582,403; Apr. 27.
Hurst, Edwin F., Brea, Calif. Dehydrator for petroleum emulsions. 1,582,404; Apr. 27.
Husted, Otto. (See Husted, Paul and O., and Soliday.)
Husted, Paul, O. Husted, and F. K. Soliday, Grand Rapids, Mich. Switch-control means. 1,582,268; Apr. 27.
Hyde, Edwin R., assignor to The Bridgeport Safety Emery Wheel Company, Incorporated, Bridgeport, Conn. Sectional grinding wheel. 1,582,608; Apr. 27.
Hydraulik Gesellschaft mit beschränkter Haftung. (See Schleustedt, Oswig, assignor.)
Iceless Automatic Refrigerator Company. (See Otto, S., and Jankus, assignors.)
Ikeda, Kikunaë, Tokyo, Japan. Manufacture of glutamic acid and salts thereof. 1,582,472; Apr. 27.
Imashiro, Toshimasa. (See Kamide, J., and Imashiro.)
Indiana Piston Ring Company. (See Tector, Ralph R., assignor.)
Indianapolis Screw Products Company. (See Shepherd, Noble N., assignor.)
Ing, John, El Paso, Tex. Tractor clutch release. 1,582,754; Apr. 27.
Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Page, Robert F., assignor.)
Ingham, Walter E., Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Speed-reducing face plate for lathes. 1,582,821; Apr. 27.
International Cigar Machinery Company. (See Halstead, John F., assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Motor Company. (See Gurney, Erving R., assignor.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Midboe, Gabriel, assignor.)
Internation Precipitation Company. (See Zopf, Emil, assignor.)
International Time Recording Company of New York, The. (See Bryce, James W., assignor.)
Invincible Blow Pipe Co., The. (See Lillie, Ray, assignor.)
Isele, Louis E., Verona, N. J. Plug connecter. 1,582,609; Apr. 27.
Jacobs, Harry, New York, N. Y. Hair-waving device. 1,582,220; Apr. 27.
Jaeger, Gebhard, Columbus, Ohio. Concrete-mixing machine. 1,582,048; Apr. 27.
James, Henry V., Radlett, England. Electric braking mechanism. 1,582,755; Apr. 27.
Jankus, Jack C. (See Otto, S., and Jankus.)
Jennings, Cyrus F., Winona, Minn. Folding table. 1,582,756; Apr. 27.
Jennings, Henry B., jr., Long Island, Va. Loose-leaf binder. 1,582,405; Apr. 27.
Jines, Tillman, Artesia, Calif. Sucker rod. 1,582,757; Apr. 27.
Johnson Automobile Lock Company. (See Johnson, Colvin L., assignor.)
Johnson, Axel Z. and N. A., Jamestown, N. Y. Electrical welding machine. 1,582,269; Apr. 27.
Johnson, Colvin L., St. Louis, Mo., assignor to Johnson Automobile Lock Company. Transmission lock. 1,582,822; Apr. 27.
Johnson, Francis M., and A. Faucon, Paris, France. Sound-recording process. 1,582,049; Apr. 27.
Johnson, James A., Buffalo, N. Y. Photographic print-out paper and prints made therefrom. 1,582,050; Apr. 27.
Johnson, James W., San Francisco, Calif. Road sign. Des. 69,994; Apr. 27.
Johnson, John, Tampa, Fla. Forming septic tanks. 1,582,271; Apr. 27.
Johnson, John B. (See Snook, H. C., and Johnson.)
Johnson, John E., and C. H. Oslund, Worcester, Mass. Bottle-capping machine. 1,582,139; Apr. 27.
Johnson, Nels A. (See Johnson, Axel Z. and N. A.)
Johnson, Olaf W., Seattle, Wash., assignor to Bakeries Service Corporation, Chicago, Ill. Card or pamphlet holding and feeding device. 1,580,610; Apr. 27.

Jones, Clarence E., St. Paul, Minn. First-aid kit. 1,582,823; Apr. 27.
Jones, Henry A., Phoenix, Ariz. Crank-case-draining device. 1,582,758; Apr. 27.
Josephson, Harry, Bridgeport, Conn. Canvas basket. 1,582,272; Apr. 27.
Joy, Joseph F., assignor to Joy Machine Company, Pittsburgh, Pa. Blasting and apparatus therefor. 1,582,273; Apr. 27.
Joy Machine Company. (See Burch, Joseph S., assignor.)
Joy Machine Company. (See Joy, Joseph F., assignor.)
Joyce, Bryan P., Davenport, Iowa. Counter-recoil-regulating mechanism. 1,582,759; Apr. 27.
Joyce, Bryan P., Davenport, Iowa. Counterpoise. 1,582,760; Apr. 27.
Kaltenbach, Robert W., Cleveland Heights, assignor to The McMyler Interstate Company, Bedford, Ohio. Crane. 1,582,274; Apr. 27.
Kamide, Jutaro and T. Imashiro, assignors to Goshi Kaisha Sankosha, Kobe, Japan. Projecting apparatus. 1,582,834; Apr. 27.
Kane, Thomas H., assignor to The Truscon Steel Company, Youngstown, Ohio. Sectional building construction. 1,582,611; Apr. 27.
Karle, John D., Roselle Park, N. J. Fuel reserve device for motor vehicles. 1,582,051; Apr. 27.
Kasser Egg Process Company. (See Lindstrom, Andrew E., assignor.)
Katz, Samuel L. (See Luckwaldt, D., Katz, and Grossmann.)
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 69,995; Apr. 27.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 69,996; Apr. 27.
Kaumeyer, Edward A., Chicago, Ill. Trousers. 1,582,178; Apr. 27.
Kay, Fred, Peckham, London, and W. E. Clifton, assignors to Cliftophone Limited, London, England. Sound-recording and sound-reproducing instrument. 1,582,473; Apr. 27.
Kay, Lloyd D., Los Angeles, Calif. Dual-tired truck wheel. 1,582,520; Apr. 27.
Kell, George F., Eugene, Oreg. Tamper foot. 1,582,406; Apr. 27.
Keller, Lewis R., New York, N. Y. Combination calendar and kitchen memorandum card. Des. 69,997; Apr. 27.
Kellner, George A., Detroit, Mich. Hanging arch for furnaces. 1,582,275; Apr. 27.
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Control system. 1,582,825; Apr. 27.
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kemet Laboratories Company. (See Cooper, H. S., and Bensing, assignors.)
Kenney, Mary A. (See Mummert, Harvey C., assignor.)
Kent, Arthur A., Ardmore, Pa. Panel condenser. 1,582,826; Apr. 27.
Keogh, Anthony, assignor to The Chaney Manufacturing Company, Springfield, Ohio. Thermometer back. 1,582,871; Apr. 27.
Kewaunee Mfg. Co. (See Caldwell, O. W., and Glenn, assignors.)
Kielar, Stanislaw, Milwaukee, Wis. Rubber-tip-fastening device. 1,582,521; Apr. 27.
King, Guss M., Flat Rock, N. C. Automatic sand sifter. 1,582,474; Apr. 27.
King, Kenneth Y., Berkeley, assignor to Standard Oil Company, San Francisco, Calif. Apparatus for hydrocarbon-oil-cracking operations. 1,582,407; Apr. 27.
Kirkman, Thomas W., New York, N. Y. Loud speaker. 1,582,761; Apr. 27.
Kitto, Harold G., Kewaunee, Ill. Detector for overheated pipes. 1,582,276; Apr. 27.
Klages, Reynold E., Columbus, Ohio. Forming slots in metallic members. 1,582,052; Apr. 27.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Klock, John A., Philadelphia, Pa. Clothes hanger. 1,582,762; Apr. 27.
Knapp, Amadee J., assignor to Advance-Rumely Company, La Porte, Ind. Elevating conveyer. 1,582,277; Apr. 27.
Knapp, Horace G. (See Montgomery, Aden L., assignor.)
Knickerbocker Bindery, Inc. (See Frank, Peter, assignor.)
Knight, Ira W., Cranston, assignor to General Fire Extinguisher Company, Providence, R. I. Automatic mixing and discharging system for plural liquids. 1,582,278; Apr. 27.
Knight, Ira W., Cranston, assignor to General Fire Extinguisher Company, Providence, R. I. Automatic mixing and discharging system for plural liquids. 1,582,279; Apr. 27.
Kohlenveredlung G. m. b. H. (See Lasche, O., and Geissen, assignors.)
Koken, Walter F., Webster Groves, Mo. Barber's chair. 1,582,280; Apr. 27.
Kullman, August J., New York, N. Y. Lamp mounting. Des. 69,998; Apr. 27.
König, Julius, Budweis, Czechoslovakia. Lock. 1,582,054; Apr. 27.
Köppel, Paul, Karlsruhe, Germany. Treating vegetable substances and extracting therefrom fibrous substances. 1,582,053; Apr. 27.
Kraemer, Bertha N., New York, N. Y. Combined bathtub and shower closet. 1,582,881; Apr. 27.
Kranz, Isidore, New York, N. Y. Plate for electric-lighting fixtures. Des. 69,999; Apr. 27.
Kranz, Isidore, New York, N. Y. Lighting fixture. Des. 70,000; Apr. 27.
Kranz, Isidore, New York, N. Y. Bracket for electric lighting fixtures. Des. 70,001; Apr. 27.
Kränzlein, Georg, H. Greune, R. Sedlmayr, and H. Vollman, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Vat dyestuff and making same. 1,582,475; Apr. 27.
Kridler, Bernie C., and J. C. Boyle, assignors to The Shingle Lock Company, Flint, Mich. Shingle roof construction. 1,582,281; Apr. 27.
Krissiep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Thread-tensioning braiding carrier. 1,582,055; Apr. 27.
Krizer, Newton H., Rose Hill, Iowa. Rotary harrow and soil pulverizer. 1,582,827; Apr. 27.
Krog, Henry T., Huntington Park, and A. F. Hartel, Los Angeles, Calif., assignors to A. J. Bayer Company. Elevator-door lock. 1,582,613; Apr. 27.
Kronstadt, Max, Brooklyn, assignor to Bristol Seamless Ring Company, New York, N. Y. Ring. Des. 70,002; Apr. 27.
Kulas, Carl. (See Kulas, C., and Pauling, assignors.)
Kulas, Carl, Leipzic, and C. Pauling, Leipzic-Lindenau, assignors to C. Kulas, Leipzic, Germany. Manufacture of resinous products of condensation from phenol and formaldehyde. 1,582,056; Apr. 27.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,582,476; Apr. 27.
Kurtz, Daniel P., Elkhart, Ind. Drive for self-propelled vehicles. 1,582,282; Apr. 27.
Kuskin, David K., New York, assignor to Fahnestock Electric Company, Long Island City, N. Y. Terminal clip. 1,582,828; Apr. 27.
Kusterle, Frank, assignor to Simmons Company, Kenosha, Wis. Corner fastening. 1,582,829; Apr. 27.
Kusunoki, Shusaku, Prefecture of Hiroshima, and S. Yamamoto, Kure, Japan. Pneumatic hammer. 1,582,614; Apr. 27.
Lacene Manufacturing Company. (See Nicholas, Elmer P., assignor.)
Lafitte, Théodore, Paris, France. Steering arrangement for light motor vehicles. 1,582,477; Apr. 27.
Lafitte, Théodore, Paris, France. Internal-combustion engine. 1,582,763; Apr. 27.
Laird, Archibald J., Glasgow, Scotland. Carburetor. 1,582,478; Apr. 27.
La Maida, Thomas, Cleveland, Ohio. Combination undergarment. 1,582,522; Apr. 27.
Lambert, Eddie, and W. E. Mathews, Baltic, Conn. Producing paper pulp. 1,582,336; Apr. 27.
Lambson, De Witt C., Wallingford, Conn. Door holder and latch. 1,582,615; Apr. 27.
Landes, William, Long Beach, Calif. Obtaining a light hydrocarbon. 1,582,764; Apr. 27.
Landsiedel, Harry, assignor to Dalton Adding Machine Company, Cincinnati, Ohio. Shuttle-carriage mechanism for adding machines. 1,582,830; Apr. 27.
Lane, Edward K., Ventura, Calif. Well-drilling tool. 1,582,283; Apr. 27.
Lange, Henry, Quincy, Ill. Heating-stove casing. Des. 70,003; Apr. 27.
Lanhoffer, Ivan E., Paris, France. Cement-roasting apparatus. 1,582,831; Apr. 27.
Lanz, John, assignor to The A. C. Gilbert Company, New Haven, Conn. Massage vibrator. 1,582,479; Apr. 27.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for supporting and moving circular objects. 1,582,057; Apr. 27.
Larson, Elmer L., and C. A. Brauuger, Oconomowoc, Wis. Inflation valve and gauge. 1,582,523; Apr. 27.
Lasche, Fritz, executor. (See Lasche, O., and Geissen.)
Lasche, Oskar, deceased, by F. Lasche, executor, Berlin-Charlottenburg, and C. Geissen, Berlin-Schoneberg, assignors to Kohlenveredlung G. m. b. H., Berlin, Germany. Distilling oven. 1,582,650; Apr. 27.
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Electromagnetic wave-signaling system. 1,582,624; Apr. 27.
Lamb, Adolf, Basel, assignor to the Firm Progression Société Anonyme, La Chaux-de-Fonds, Switzerland. Change-speed gear. 1,582,480; Apr. 27.
Laun, Ernest E., and R. E. Tullgren, Chicago, Ill. Gas generator. 1,582,832; Apr. 27.
Law, William, Westboro, assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,582,481; Apr. 27.
Layng, John F., Round Bay, Md. Passenger-handling and fare-collection system for street cars. 1,582,058; Apr. 27.
Legg, David A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of butyl alcohol and acetone. 1,582,408; Apr. 27.
Legg, David A., Terre Haute, Ind., and C. W. Hancock, Peoria, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Inoculating device. 1,582,409; Apr. 27.

Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,004; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,005; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,006; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,007; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,008; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,009; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,010; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,011; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,012; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,013; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,014; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,015; Apr. 27.
Lehmann, Kurt, assignoor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,016; Apr. 27.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué Motif. Des. 70,017; Apr. 27.
Leipert, August H., assignor to International Motor Company, New York, N. Y. Universal joint. 1,582,284; Apr. 27.
Lentz, Hugo, Maner, near Vienna, Austria. Twin compound marine steam engine. 1,582,410; Apr. 27.
Lesser, William H. and R. L. Suender, Frackville, Pa. Method of and apparatus for working mines. 1,582,411; Apr. 27.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levene, Albert H., Newark, N. J. Tote box. Re16,335; Apr. 27.
Levy, Joseph, New York, N. Y., assignor to Display Stage Lighting Co., Inc. Picture-projection process and apparatus. 1,582,179; Apr. 27.
Levine, Harry, Chicago, Ill. Fastener for bags. 1,582,833; Apr. 27.
Lewis, Frank D., West Orange, N. J., assignor to Pathe Phonograph and Radio Corporation, Brooklyn, N. Y. Acoustical apparatus. 1,582,285; Apr. 27.
Liberty National Bank, trustee. (See Braun, Philip N., assignor.)
Lighthipe Kenneth D., East Orange, N. J., assignor to Elevator Supplies Company, Inc. Elevator-signaling box. Des. 70,018; Apr. 27.
Lignite Pressed Coal Company, The. (See Neumaier, John E., assignor.)
Ligon, Ronald V. (See Carpenter, H. W., and Ligon.)
Lillie, Ray, assignor of one-half to The Invincible Blow Pipe Co., Chicago, Ill. Fuel-feeding device. 1,582,834; Apr. 27.
Lincoln Electric Company, The. (See Peck, Cecil C., assignor.)
Lindemann, A. J., & Hoverson Company. (See Lindemann, Walter C., assignor.)
Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Metal door for ovens and the like. 1,582,835; Apr. 27.
Lindsey, James O., Comanche, Tex. Shock absorber. 1,582,765; Apr. 27.
Lindstrom, Andrew E., assignor to Kasser Egg Process Company, San Francisco, Calif. Combination fork and tray. 1,582,337; Apr. 27.
Link, Albert C., assignor to Thos. E. Wilson & Co., Chicago, Ill. Metallic golf-club head. 1,582,836; Apr. 27.
Lipcot, Fred L. (See Cowell, R. F., and Lipcot.)
Little, Harry C., Larkspur, Calif., assignor to Rotair Burner Corporation. Liquid-fuel burner. 1,582,059; Apr. 27.
Little, Orton C., assignor of one-half to F. O. Heckrodt, Menasha, Wis. Radiator support. 1,582,286; Apr. 27.
Livers, James T., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,019; Apr. 27.
Long, James, Verona, Pa. Flooring and siding tool. 1,582,837; Apr. 27.
Long, Theodore A., Mill Hall, Pa. Bath cabinet. 1,582,766; Apr. 27.
Loop, Leonard, Tulsa, Okla. Polish-rod support. 1,582,767; Apr. 27.
López, Julius P., and W. L. Ward, Los Angeles, Calif. Dinner pail. 1,582,338; Apr. 27.
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper making. 1,582,838; Apr. 27.
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper-crinkling machine. 1,582,839; Apr. 27.
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper crinkling. 1,582,840; Apr. 27.
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper corrugating. 1,582,841; Apr. 27.
Lorenz, William A., West Hartford, assignor to The Otaka Fabric Company, Hartford, Conn. Elastic paper. 1,582,842; Apr. 27.

Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Apparatus for crinkling paper. 1,582,843; Apr. 27.
Louthan, William B., East Liverpool, Ohio. Pin cutting and separating machine. 1,582,768; Apr. 27.
Lovejoy Development Corporation. (See Lovejoy, Dimmitt R., assignor.)
Lovejoy, Dimmitt R., assignor to Lovejoy Development Corporation, New York, N. Y. Controlling the potential gradient in a conductor. 1,582,060; Apr. 27.
Lovell, Ralph L. (See Burlingham, W., Lovell, and Denslow.)
Lucas, Clarence W., assignor to A. Mueller, trustee, Decatur, Ill. Machine for spinning, trimming, or flanging thin metal tubes. 1,582,525; Apr. 27.
Lucas, Dallyn. (See Ellis, Giovanni, E., assignor.)
Luckwaldt, Daniel, S. L. Katz, and F. Grossmann, Chicago, Ill., assignors, by mesne assignments, to C. Welcensang. Outlet-box support. 1,582,287; Apr. 27.
Lund, Oscar A. C., New York, N. Y. Smoker's article. 1,582,061; Apr. 27.
Luneburg, Gustave H., Amsterdam, N. Y. Tensioning device for spools and the like. 1,582,769; Apr. 27.
Lutton, William J., assignor of one-half to M. Franck, Paterson, N. J. Loom. 1,582,526; Apr. 27.
Lüttringhaus, Arthur, Mannheim, and A. Wolfram, Frankfort-on-the-Main, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Vat coloring matters. 1,582,844; Apr. 27.
Lyda, Arthur W., North Canton, assignor to The American Safety Navigation Company, Canton, Ohio. Releasable hook for lifeboats. 1,582,062; Apr. 27.
Lyons, John B., Norphlet, Ark. Shock absorber. 1,582,412; Apr. 27.
Maag Gear Wheel and Machine Company, Ltd. (See Wildhaber, Ernest, assignor.)
Macdonald, David B., Leicester, England. Treatment of waste cinematographic films. 1,582,847; Apr. 27.
Machinery Improvement Company, The. (See Root, William D., assignor.)
MacPhail, Douglas, Millburn, N. J. Automobile license plate support. 1,582,289; Apr. 27.
Maddox, William J., Jamestown, N. Y. Electric switch. 1,582,064; Apr. 27.
Madler, Max F., and N. Milenko, New York, N. Y. Ring. Des. 70,020; Apr. 27.
Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Candlestick. Des. 70,021; Apr. 27.
Magnavox Company. (See Metcalf, Herbert E., assignor.)
Maier, Frederick G. (See Norwood, H. E., and Maier.)
Malin, Bert, et al. (See Vinzant, Joseph I., assignor.)
Manhattan Electrical Supply Company. (See Ramsay, William, assignor.)
Manhattan Electrical Supply Company, The. (See Relch, Edwin J., assignor.)
Manhattan Electrical Supply Company. (See Yngve, Victor, assignor.)
Manley, Fred B., Paterson, N. J., assignor, by mesne assignments, to Textiles Development Corporation, New York, N. Y. Weaving. 1,582,415; Apr. 27.
Manvers, Albert, Cricklewood, London, England. Vacuum making and condensing apparatus. 1,582,182; Apr. 27.
Maple, R. H., Co. (See Maple, Roy H., assignor.)
Maple, Roy H., assignor to R. H. Maple Co., Indianapolis, Ind. Thermally-operable self-soldering circuit breaker. Re16,336; Apr. 27.
Marchesseault, Joseph R., Cranston, assignor to Gorham Mfg. Company, Providence, R. I. Electrically-heated breakfast set. 1,582,290; Apr. 27.
Marcus, Charles L., New York, N. Y. Vanity case. Des. 70,022; Apr. 27.
Marette, Jacques, Vincennes, assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Motion-picture apparatus. 1,582,065; Apr. 27.
Marin, Frédéric. (See Focké, H., and Marin.)
Marks, Alfred, Lomita Park, Calif. Safety toilet-seat cover. 1,582,527; Apr. 27.
Mason, Jesse H., Roselle, assignor to Duratex Corporation, Newark, N. J. Coated fabric and making same. 1,582,416; Apr. 27.
Massey, James S., Toledo, Ohio. Card or mirror holder and lighting device. 1,582,291; Apr. 27.
Massolle, Joseph, Berlin-Wilmersdorf, Germany, assignor to Tri-Ergon, A.-G., Zurich, Switzerland. Electrostatic telephone. 1,582,848; Apr. 27.
Mathews, Walter E. (See Lambert, E., and Mathews.)
Matthew, F. H., et al. (See Bradbere, M. A., and Costello, assignors.)
Matthew, Jennie V., et al. (See Broadbere, M. A., and Costello, assignors.)
Maurer, Henry E., Long Beach, Calif. Putting green. 1,582,183; Apr. 27.
Mazzocco, James, assignor of one-half to F. Mutto, Gallup, N. Mex. Beet-topping machine. 1,582,292; Apr. 27.
McArthur, William P., Los Angeles, Calif. Adjustable drainage fitting for hanging battery wall toilets. 1,582,845; Apr. 27.
McCarthy, Thomas J., Los Angeles, Calif. Vacuum tank. 1,582,221; Apr. 27.
McClellan, Walter N. (See Baker, Bertram F., assignor.)
McClelland, Bert, Sellersville, Pa. Damper-actuating mechanism for furnaces. 1,582,413; Apr. 27.
McCready, John B., Parksley, Va. Vine-turner attachment for cultivators. 1,582,414; Apr. 27.

McCurdy, Robert P., Pittsburgh, Pa., and F. W. Hochstetter, Dayton, Ohio, assignors to J. C. Trees, Pittsburgh, Pa. Radiator signal. 1,582,872; Apr. 27.
McDermott, Edward J., St. Louis, Mo. Mud lug for automotive vehicles. 1,582,180; Apr. 27.
McDonald, James M., Te Puke, New Zealand. Cooler for liquids. 1,582,181; Apr. 27.
McFall, Loomis N., Denver, Colo. Razor stropper. 1,582,873; Apr. 27.
McIntosh, Bradley S., Barneveld, N. Y. Sighting rib for firearms. 1,582,063; Apr. 27.
McKay, A. J. (See Flansburg, Peter, assignor.)
McKee, Philip L., Chicago, Ill. Roof structure. 1,582,288; Apr. 27.
McMillan, Angus, Oakland, Calif. Miter box. 1,582,616; Apr. 27.
McMyler Interstate Company, The. (See Kaltenbach, Robert W., assignor.)
McNamara, Fred W., and E. Sheahan, Manistique, Mich.; said McNamara assignor to said Sheahan. Automatic suction web carrier. 1,582,846; Apr. 27.
Mensing, Karl, Hanau-on-the-Main, Germany. Quartz lamp. 1,582,849; Apr. 27.
Mercedes-Büro Maschinen- und Waffen-Werke. (See Schlüns, Carl, assignor.)
Metal Package Corporation of New York. (See Bruns, Alfred E., assignor.)
Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Loud-speaking receiver. 1,582,417; Apr. 27.
Meyer & Gross. (See Meyer, Jacob H., assignor.)
Meyer, Jacob H., Newark, N. J., assignor to Meyer & Gross. Finger ring. Des. 70,023; Apr. 27.
Meyer, William, Chicago, Ill. Combined casing and support for hair drier. Des. 70,024; Apr. 27.
Michael, Robert W., San Francisco, Calif., assignor, by mesne assignments, to Auto-Matik-Auto Lock Co., Phoenix, Ariz. Fuel and ignition lock for motor vehicles. 1,582,528; Apr. 27.
Michael, Wilhelm. (See Mittasch, A., and Michael.)
Midboe, Gabriel, Brooklyn, assignor to International Motor Company, New York, N. Y. Brake mechanism. 1,582,879; Apr. 27.
Midgley, Albert H., Uxbridge, England. Adjustment for the magnets in telephone receivers and the like. 1,582,770; Apr. 27.
Miehle Printing Press & Manufacturing Company. (See Cheshire, Edward, assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)
Miehle Printing Press & Mfg. Company. (See Saxon, William, assignor.)
Miehle Printing Press & Manufacturing Co. (See Stevens, Burt D., assignor.
Mikesell, Benjamin F., and H. F. Gilliam, Kansas City, Mo. Automatic photoprinting and numbering device. 1,582,339; Apr. 27.
Milenko, Nathan. (See Madier, M. F., and Milenko.)
Miller, Charles J., Summit, N. J. Ash-separating shovel. 1,582,293; Apr. 27.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,025; Apr. 27.
Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
Milne, Winford G., assignor to The N. Slater Company, Limited, Hamilton, Ontario, Canada. Cable clamp. 1,582,340; Apr. 27.
Milwaukee Dairy Supply Manufacturing Co. (See Strandt, Gustav, assignor.)
Milwaukee Press & Machine Company. (See Zetterlund, Theodor, assignor.)
Mims, Sidney W., Los Angeles, Calif. Perforating well casings. 1,582,184; Apr. 27.
Miner, Douglas F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bus-bar structure. 1,582,850; Apr. 27.
Minotti, Giovanni, Turin, Italy. Ball-transmitting apparatus. 1,582,341; Apr. 27.
Mittasch, Alwin, and W. Michael, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Effecting catalytic reactions, particularly in catalytically producing hydrocyanic acid. 1,582,851; Apr. 27.
Moeckel, Hartmann J., St. Louis, Mo. Drawing guide. 1,582,185; Apr. 27.
Mohn, Arnold, assignor of one-fourth to J. A. Walsh, Indianapolis, Ind. Electroplating metals. 1,582,617; Apr. 27.
Monahan, Charles C., et al. (See Edwards, George W., assignor.)
Monoski, Henry, Baltimore, Md. Safety device for railway crossings and the like. 1,582,771; Apr. 27.
Montgomery, Aden L., assignor to H. G. Knapp, San Jose, Calif. Subsoil plow. 1,582,418; Apr. 27.
Montuori, Felix C., Washington, D. C. Preparing molds for dental castings. 1,582,294; Apr. 27.
Moore, Francis J., Nicholls, Ga. Planetary transmission. 1,582,772; Apr. 27.
Moore, George W., Chicago, Ill. Hair clipper. 1,582,342; Apr. 27.
Moore, Hugh K., assignor to Brown Company, Berlin, N. H. Process of and apparatus for multiple-effect evaporative separation. 1,582,066; Apr. 27.
Moore, Hugh K., assignor to Brown Company, Berlin, N. H. Process of and apparatus for multiple-effect evaporative separation. 1,582,067; Apr. 27.
Morkrum Company. (See Brady, John B., assignor.)
Morns, George, Joliet, Ill. Fourdrinier wire and felt cleaner. 1,582,186; Apr. 27.
Morris, Max C., Westminster, London, England. Carburetor for internal-combustion engines. 1,582,187; Apr. 27.
Morrissey, Michael, Kansas City, Mo. Switch. 1,582,068; Apr. 27.
Morse, William J., Attleboro, Mass. Belt buckle. Des. 70,026; Apr. 27.
Moyer, Edward A., West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread-milling attachment. 1,582,852; Apr. 27.
Mraula, Andrew, Camas, Wash. Flying machine. 1,582,482; Apr. 27.
Mueller, Adolph, trustee. (See Lucas, Clarence W., assignor.)
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Wash-tray bib. 1,582,529; Apr. 27.
Muenzen, Leo J., Mount Vernon, N. Y. Vacuum cleaner. 1,582,295; Apr. 27.
Müller, Konrad, Luneburg, assignor to the Firm B. Roos & Co., Berlin, Germany. Manufacturing mold powder. 1,582,343; Apr. 27.
Mulligan, Patrick J. (See Parsons, P. D., and Mulligan.)
Mummert, Harvey C., New York, assignor to M. A. Kenney, Brooklyn, N. Y. Landing and launching apparatus for vehicles. 1,582,188; Apr. 27.
Murphy, John L., Canton, Ill. Mortuary table, surgeon's operating table, and the like. 1,582,419; Apr. 27.
Murphy, Ralph. (See Stellmann, L. M., and Murphy.)
Muse, Raymond. (See Vinzant, Joseph L., assignor.)
Muse, Raymond, et al. (See Vinzant, Joseph L., assignor.)
Musselwhite, Clayton A. (See Hart, Glenn A., assignor.)
Mutto, Fred. (See Mazzocco, James, assignor.)
Myers, Eugene V. (See Bowman, Harry D., assignor.)
Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. (See Zwartz, David G., assignor.)
Nanna, Solino F., Chicago, Ill. Circuit-closing mechanism for direction signals. 1,582,069; Apr. 27.
Nash, Raymond E., Washington, D. C. Removing finish coatings from floors. 1,582,773; Apr. 27.
Nashua Gummed & Coated Paper Company. (See Bundy, Benjamin G., assignor.)
National Economic Plans, Inc. (See Schwarz, Henry F., assignor.)
Nattrass, Howard, Wellington, New Zealand. Coupling for use between trucks and the like. 1,582,344; Apr. 27.
Naugle, Girardus G., assignor to C. L. Hoff, York, Pa. Tire-chain coupler. 1,582,874; Apr. 27.
Neighbauer, Mary, Carrizozo, N. Mex. Food cover. 1,582,296; Apr. 27.
Nelson, Claude, Peublo, Colo. Switch-stand-handle lock. 1,582,774; Apr. 27.
Ne Page, Justus F., Seattle, Wash. Street-lighting post. Des. 70,027; Apr. 27.
Neumaier, John E., assignor to The Lignite Pressed Coal Company, Dayton, Ohio. Lignite-distillation apparatus. 1,582,297; Apr. 27.
Neustadter Bros. (See Ballin, Maurice, assignor.)
Nevison, Henry, Lincoln Park, Mich. Window. 1,582,618; Apr. 27.
Newman, Thomas J., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Kvah-meter-testing switch. 1,582,070; Apr. 27.
Newmeyer, William L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,582,853; Apr. 27.
Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Machine for grading leather strips and died-out pieces. 1,582,140; Apr. 27.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Handle assembly. 1,582,189; Apr. 27.
Nigaido, Yasujuro, Rossford, Ohio. Motor fuel. 1,582,420; Apr. 27.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Niles-Bement-Pond Company. (See Cullen, James K., assignor.)
Niles-Bement-Pond Company. (See Rausch, Roswell H., assignor.)
Noe, Wm. R., & Sons. (See Villaret, Gustave E., assignor.)
Noll, Charles, Brooklyn, assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Rim nut. 1,582,530; Apr. 27.
Nordin, Knute T., Bergland, Ontario, Canada. Pliers. 1,582,071; Apr. 27.
Norris, Almon E., Brookline, Mass. Winch. 1,582,531; Apr. 27.
Northrope, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Harness motion for looms. 1,582,421; Apr. 27.
Norton, Harold F., Newport News, Va. Sedan cruiser. 1,582,072; Apr. 27.
Norwood, Harry E., and F. G. Maier, New York, assignor, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Window regulator. 1,582,854; Apr. 27.

Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Impulse coupling. 1,582,422; Apr. 27.
Nowotny, John S., Cincinnati, Ohio. Electrical resistance material. 1,582,141; Apr. 27.
Nygaard, Thomas, Minneapolis, Minn. Separable frame. 1,582,298; Apr. 27.
O'Bannon, Walter A., Tulsa, Okla. Safety hook. 1,582,345; Apr. 27.
Oechslin, Carl, Ablon, assignor to Etablissements Poulenc Frères, Paris, France. Preparation of hydroxy aliphatic arsonic acids. 1,582,775; Apr. 27.
Oechslin, Carl, Ablon, assignor to Etablissements Poulenc Frères, Paris, France. Preparation of substituted aliphatic arsonic acids. 1,582,776; Apr. 27.
Oehler, Otto C., St. Louis, Mo. Brick-mason's tool. 1,582,299; Apr. 27.
Ogden, John E. (See Tomkinson, Charles C., assignor.)
Okochi, Masatosi, and M. Hannoka, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Electrodepositing iron from iron-containing minerals. 1,582,423; Apr. 27.
O'Leary, Joseph T., Elizabeth, N. J., assignor to American Telephone and Telegraph Company. Phantom carrier circuits. 1,582,073; Apr. 27.
Olney Preserving Co. (See Rezos, Miltiades, assignor.)
Olson, Myron E. and V. C., Grand Island, Nebr. Hydrocarbon burner. 1,582,619; Apr. 27.
Olson, Victor C. (See Olson, Myron E. and V. C.)
Oneida Community, Limited. (See Allen, Grosvenor N., assignor.)
O'Neil, Rodolph S., Horton, England. Universal joint. 1,582,424; Apr. 27.
Ora-Tone Company, The. (See Grass, Otto R., assignor.)
Ordway, Joseph H., Brookline, assignor to Yawdro Manufacturing Company, Cambridge, Mass. Process and intermediary product in manufacture of box toes. 1,582,074; Apr. 27.
Orswell, Israel C., Medford, Mass. Winding machine. 1,582,777; Apr. 27.
Osgood Company, The. (See Barnhart, Harry J., assignor.)
Oslund, Charles H. (See Johnson, J. E., and Oslund.)
Oster, Matthew C., Roy, Mont. Combination stove, table, and supply cabinet. 1,582,346; Apr. 27.
Ostrander, John W., Madison, Wis. Shingle gauge. 1,582,620; Apr. 27.
Otaka Fabric Company, The. (See Lorenz, William A. assignor.)
Otis, Spencer, Barrington, Ill. Process and apparatus for purifying blown-off boiler water. 1,582,300; Apr. 27.
Otto, Stuart, and J. C. Jankus, Scranton, Pa., assignors to Iceless Automatic Refrigerator Company, Dover, Del. Evaporator for refrigerating apparatus. 1,582,882; Apr. 27.
Owen, Martin S., Cairo, Ill. Cooking oven. 1,582,532; Apr. 27.
Packard, Ralph G., jr., Morristown, N. J. Bolt gun. 1,582,533; Apr. 27.
Page, Robert F., deceased, by J. M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hoist driving gear. 1,582,075; Apr. 27.
Page, Robert F., deceased, by J. M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hoist. 1,582,076; Apr. 27.
Pagelsen, Edward N., assignor to Sewell Cushion Wheel Company, Detroit, Mich. Wheel lock. 1,582,425; Apr. 27.
Palmer, John M., New York, N. Y. Tool holder for lathes. 1,582,077; Apr. 27.
Palmer, Ralph V., St. Paul, Minn. Piston. 1,582,426; Apr. 27.
Pankau, Frank, Milwaukee, Wis. Recorder. 1,582,301; Apr. 27.
Paper Makers Chemical Company. (See Snell, Ralph M., assignor.)
Parker, Charles A., Haugan, Mont., assignor to Western Automatic Company, Spokane, Wash. Train-control apparatus. 1,582,142; Apr. 27.
Parker, James W., Windsor, Mo. Gear-shifting mechanism. 1,582,078; Apr. 27.
Parks, Glen, Seattle, Wash. Machine for distributing and driving nails. 1,582,534; Apr. 27.
Parsons, Charles A., and J. Rosen, Newcastle-upon-Tyne, England; said Rosen assignor to said Parsons. Dynamo-electric machinery. 1,582,427; Apr. 27.
Parsons, George H., assignor to Averill Mfg. Co., New York, N. Y. Doll. 1,582,778; Apr. 27.
Parsons, Philip D., and P. J. Mulligan, Philadelphia, Pa., assignors to Scott Paper Company. Cardboard-tube-making machine. 1,582,079; Apr. 27.
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Gaurint, Pierre S., assignor.)
Pathe Cinema Anciens Etablissements Pathe Freres. (See Marette, Jacques, assignor.)
Pathe Phonograph and Radio Corporation. (See Lewis, Frank D., assignor.)
Pauling, Curt. (See Kulas, C., and Pauling.)
Pavesi, Ugo, Milan, Italy. Vehicle wheel and traction device therefor. 1,582,428; Apr. 27.
Payne Furnace and Supply Company. (See Payne, Harry V., assignor.)
Payne, Harry V., assignor to Payne Furnace and Supply Company, Los Angeles, Calif. Safety pilot and cut-off device for gas burners. 1,582,190; Apr. 27.
Payne, Homer B., Winnetka, Ill. Color-display panel. Des. 70,028; Apr. 27.
Peabody, Ernest H., Pelham Manor, N. Y. Mechanical atomizer. 1,582,080; Apr. 27.
Peck, Cecil C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,582,081; Apr. 27.
Pegram, George H., South Orange, N. J. Card index. 1,582,535; Apr. 27.
Pence, Lafe V., El Paso, Tex. Utensil for making drip coffee. 1,582,685; Apr. 27.
Penick & Ford Ltd. Incorporated. (See Prucha, M. J., and Widmer, assignors.)
Perfect Window Regulator Corporation. (See Norwood, H. E., and Maier, assignors.)
Perrault, Joseph E., and L. J. Schroeder, assignors to Hood Rubber Company, Watertown, Mass. Boot tree or last. 1,582,143; Apr. 27.
Peter, William J., New York, N. Y. Automatic outlet check valve for hydraulic oil-dispensing systems. 1,582,302; Apr. 27.
Peter, William J., New York, N. Y. Hydraulic system for storing, handling, and delivering oil. 1,582,855; Apr. 27.
Peter, William J., New York, N. Y. Charging means for oil tanks. 1,582,856; Apr. 27.
Peter, William J., New York, N. Y. Automatic water-discharge valve for hydraulic oil-dispensing systems. 1,582,857; Apr. 27.
Peters, Henry W., Boston, Mass. Name plate. 1,582,083; Apr. 27.
Petterd, James W., Caulfield, Victoria, assignor of one-half to L. J. Watson, Melbourne, Australia. Roller-grate stoker. 1,582,303; Apr. 27.
Pettibone, Mulliken Company. (See Crane, Ernest E., assignor.)
Pfaum, Emil, Omaha, Nebr. Animal-scratching device. 1,582,144; Apr. 27.
Philippe, James E., Paris, France. Knitting machine of the Raschel or Chaine type. 1,582,779; Apr. 27.
Philips, N. V., Gloeilampenfabrieken. (See Van Arkel, A. E. and de Boer, assignors.)
Phoenix Manufacturing Company, The. (See Hobein, George C., assignor.)
Phonoharp Company, The. (See Ballard, Harrie A., assignor.)
Pierce Glass Company, The. (See Herger, Howard C., assignor.)
Planer, Victor, Berlin-Lankwitz, Germany. Device for measuring values of resistance of cables and conductors. 1,582,222; Apr. 27.
Platt, Paul T., Norfolk Downs, Mass. Radio wave meter. 1,582,780; Apr. 27.
Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Screw cap. 1,582,429; Apr. 27.
Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Table-elevating mechanism. 1,582,430; Apr. 27.
Pohle, Walter B., et al. (See Haskell, Parker B., assignor.)
Polhamus, Fred M., assignor of one-half to A. B. Graham and G. M. Polhamus, Syracuse, N. Y. Snow plow and conveyer. 1,582,875; Apr. 27.
Polhamus, Guy M., et al. (See Polhamus, Fred M., assignor.)
Polzer, Fridolin, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,582,223; Apr. 27.
Potts, Peter T., assignor to The Vortex Mfg. Co., Chicago, Ill. Dish holder. Des. 70,029; Apr. 27.
Poulallion, Frank N., Westerville, Ohio. Window valance. 1,582,536; Apr. 27.
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See Durkee, Henry E., assignor.)
Pratt & Whitney Company. (See Ingham, Walter E., assignor.)
Pratt & Whitney Company. (See Moyer, Edward A, assignor.)
Prenosil, Joseph F., Georgetown, Minn. Vehicle frame structure. 1,582,781; Apr. 27.
Price, Owen A., Kilmarnock, Scotland. Combined hydraulic valve and dispersal nozzle. 1,582,782; Apr. 27.
Progression Société Anonyme. (See Laub, Adolf, assignor.)
Prout, George H., Los Angeles, Calif. Sucker-rod hanger. 1,582,224; Apr. 27.
Prucha, Martin J., Urbana, Ill., and J. M. Widmer, Cedar Rapids, Iowa, assignors to Penick & Ford Ltd. Incorporated. Purification of starch. 1,582,537; Apr. 27.
Pryor, Guy T., Long Beach, Calif. Well-drilling bit. 1,582,686; Apr. 27.
Psenka, Nicholas, Canton, Ohio. Conveyer truck. 1,582,783; Apr. 27.
Pulkinghorn, William R., Los Angeles, Calif. Device for impregnating flowing water. 1,582,225; Apr. 27.
Pumphrey, Hugh C., assignor of one-third to A. M. Conklin and one-third to H. L. Duke, Lamesa, Tex. Door-operating structure. 1,582,784; Apr. 27.
Purox Company. (See Coberly, Clarence J., assignor.)
Quenin, Ada M. (See West, Maxwell A., assignor.)

Railway Utility Company. (See Hartwig, William G., assignor.)
Rajki, Charles. (See Szlr, Michael, assignor.)
Raleigh, B. Jean, Washington, D. C. Belt buckle. 1,582,304; Apr. 27.
Ramsay, William, Westfield, N. J., assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Dry cell. 1,582,687; Apr. 27.
Rasmussen, Peter J., Spokane, Wash. Cultivator. 1,582,082; Apr. 27.
Ratti, Giuseppe, Turin, Italy. Goggles. 1,582,785; Apr. 27.
Rausch, Roswell H., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Radial drilling machine. 1,582,688; Apr. 27.
Ray, Arthur J., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,582,226; Apr. 27.
Raymond Brothers Impact Pulverizer Company. (See Raymond, Fred I., assignor.)
Raymond Bros. Impact Pulverizer Co. (See Vogel, William H., assignor.)
Raymond, Fred I., Evanston, assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Pulverizing mill. 1,582,538; Apr. 27.
Read, John B., St. Louis, Mo., and M. F. Coolbaugh, Golden, assignors to The Complex Ores Recoveries Company, Denver, Colo. Sulphating process for ores and concentrates. 1,582,347; Apr. 27.
Ready-set Marceller Company. (See Brenner, Jean N., assignor.)
Rebber, Leland L., assignor to Union Oil Company of California, Los Angeles, Calif. Preparing castor machine oils. 1,582,227; Apr. 27.
Reese, Louis C. (See Gase, E., and Reese.)
Reeves, George C., assignor to Dryden Rubber Company, Chicago, Ill. Windshield weatherproofing. 1,582,689; Apr. 27.
Re Fil Broom Company, The. (See Cuthbert, Watson, assignor.)
Reggio, Christy, Brooklyn, assignor to M. Reggio, Bellair, N. Y. Syringe. 1,582,690; Apr. 27.
Reggio, Mildred. (See Reggio, Christy, assignor.)
Reich, Edwin J., Brooklyn, N. Y., assignor to The Manhattan Electrical Supply Company, New York, N. Y. Terminal connection for electrodes. 1,582,691; Apr. 27.
Reichling, Alois, Kaaden-on-the-Eger, Czechoslovakia. Hand hammer. 1,582,305; Apr. 27.
Reinhard, Frank A., Wakefield, assignor to Utility Manufacturing and Sales Corporation, Boston, Mass. Windshield cleaner. 1,582,348; Apr. 27.
Reischl, Ludwig, assignor to Bing-Werke, vorm. Gebr. Bing A.-G., Nuremberg, Germany. Key mechanism for typewriting machines. 1,582,431; Apr. 27.
Remington Typewriter Company. (See Bridgwater, Herbert E., assignor.)
Rezos, Miltiades, San Francisco, assignor to Olney Preserving Co., Berkeley, Calif. Treating berries and the like. 1,582,858; Apr. 27.
Rhodes, William A., Brooklyn, N. Y. Twin packing nut. 1,582,786; Apr. 27.
Rich, George R., Battle Creek, Mich. Valve tappet and like article. 1,582,883; Apr. 27.
Richards, Walter B. (See Woodall, H. J., and Richards.)
Richardson, Edward E., Maumee, assignor of fifty-one per cent to F. O. Richey, Lakewood, Ohio. Draft-preventing device. 1,582,876; Apr. 27.
Richardson, Lawrence W., San Francisco, Calif. Cutter. 1,582,787; Apr. 27.
Richardson, Sabret A., Seattle, Wash. Brake-retainer-valve mechanism. 1,582,539; Apr. 27.
Richey, F. O. (See Richardson, Edward E., assignor.)
Richter, George A., W. B. Van Arsdel, and A. W. Chase, assignors to Brown Company, Berlin, N. H. Water-resistant fiber conduit and making the same. 1,582,084; Apr. 27.
Richter, Rudolf H. (See Geffcken, R. H. H., and Richter.)
Ricketts, Forrest E., Catonsville, Md. Arc extinguisher. Re16,338; Apr. 27.
Riddle, Oren B., Tulsa, Okla. Vacuum-flow tank and gas separator. 1,582,540; Apr. 27.
Riebel, Fred, jr., assignor to Hamilton-Beach Mfg. Co., Racine, Wis. Vacuum cleaner. 1,582,692; Apr. 27.
Riebel, Fred, jr., assignor to Hamilton-Beach Mfg. Co., Racine, Wis. Spindle mounting. 1,582,693; Apr. 27.
Riegger, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Submarine signaling apparatus. 1,582,694; Apr. 27.
Riggin, Nathaniel A., Oilfields, Calif. Oiler for derricks. 1,582,432; Apr. 27.
Rindsberger Manufacturing Corporation. (See Williams, Herbert A., assignor.)
Ringer, Soren, Cicero, Ill. Metal receptacle and making same. 1,582,541; Apr. 27.
Roach, Thomas F., Pueblo, Colo. Refuse-discharging attachment for motor cars. 1,582,433; Apr. 27.
Roberts, George B., Chicago, Ill. Fuel economizer. 1,582,621; Apr. 27.
Robischon, Edward E. (See Robischon, Michael F., assignor.)
Robischon, Michael F., assignor of one-half to E. E. Robischon, Utica, N. Y. Attachment for overflow pipes. 1,582,228; Apr. 27.
Roneo Limited. (See Stuck, Everett, assignor.)
Roos, B., & Co. (See Müller, Konrad, assignor.)
Root, William D., assignor to The Machinery Improvement Company, Cleveland, Ohio. Corn-popping machine. 1,582,306; Apr. 27.
Rose, Reed P. (See Hopkinson, E., and Rose.)
Rosen, Jossel. (See Parsons, C. A., and Rosen.)
Rosenbaum, Bruno, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Radio communication system. 1,582,695; Apr. 27.
Rosenthal, August, assignor to Rosenthal Manufacturing Co., West Allis, Wis. Corn husker. 1,582,542; Apr. 27.
Rosenthal Manufacturing Co. (See Rosenthal, August, assignor.)
Rotair Burner Corporation. (See Little, Harry C., assignor.)
Rowden, George W., Ellenwood, Ga. Oven-rack shifter. 1,582,543; Apr. 27.
Rowe, Charles R. (See Brigham, C. E., and Rowe.)
Rubber Shock Insulator Company, The. (See Cowell, R. F., and Lipcot, assignors.)
Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-machine return-feed mechanism. 1,582,544; Apr. 27.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar-finishing device. 1,582,545; Apr. 27.
Runnels, Walter S., Kalamazoo, Mich. Sawing and trimming machine. 1,582,307; Apr. 27.
Runyan, Geniah B., Kusa, Okla. Meat cutter. 1,582,483; Apr. 27.
Russell, Nelson J., Chicago, Ill. Fuel-saving device. 1,582,349; Apr. 27.
Russell, Susan V., et al. (See Haskell, Parker B., assignor.)
Russell, Thomas N., Chicago, Ill. Brake booster. 1,582,546; Apr. 27.
Ryder, Charles D., Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Signal lamp. 1,582,308; Apr. 27.
Ryder, Elmer, Berwyn, Ill. Liquid-level indicator. 1,582,085; Apr. 27.
Ryder, Frank E., Bolton, England. Vertical automatic turning and like machine tool. 1,582,484; Apr. 27.
Sadler, Walter T. (See White, John D., assignor.)
Safety Car Heating & Lighting Company, The. (See Strobell, John D., assignor.)
Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,582,350; Apr. 27.
Satterbert, Axel V., Minneapolis, Minn. Chimney cleaner. 1,582,309; Apr. 27.
Sauls, John M., Wortham, Tex. Fishing tool. 1,582,485; Apr. 27.
Saxon, William, Oak Park, assignor to Miehle Printing Press & Mfg. Company, Chicago, Ill. Printing press. 1,582,547; Apr. 27.
Schaum, Fletcher, Philadelphia, and J. F. Schmaulk, Glenside, assignors to Fletcher Works, Incorporated, Philadelphia, Pa. Lock. 1,582,790; Apr. 27.
Schlenstedt, Oswig, Mulheim-Ruhr-Speldorf, assignor to Hydraulik Gesellschaft mit beschränkter Haftung, Duisburg, Germany. Tube-making machine. 1,582,696; Apr. 27.
Schlesinger, Louis, and H. E. Heine, assignor to Bradley Washfountain Company, Milwaukee, Wis. Overhead feed and vent wash fountain. 1,582,548; Apr. 27.
Schlosstein, Hans, Chicago, Ill. Antiseptic and disinfectant compound and preserving fruit with same. 1,582,086; Apr. 27.
Schlüns, Carl, Berlin-Steglitz, assignor to Mercedes-Büro Maschinen- und Waffen-Werke, Reinshausen, Thuringia, Post Mehlis, Germany. Typewriting machine with power drive. 1,582,788; Apr. 27.
Schmauk, John F. (See Schaum, F., and Schmauk.)
Schmauk, John F., Glenside, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Lock. 1,582,789; Apr. 27.
Schmidt Lithograph Company. (See Stevens, Alexander B., assignor.)
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Thomsen, Peter, assignor.)
Schmitt, William J. (See Flesch, C. W., and Schmitt.)
Schoof, William, Milwaukee, Wis. Carburetor. 1,582,697; Apr. 27.
Schon, Lester. (See Shoenberg, M. H., and Schon.)
Schrader, Thomas O., Allentown, assignor to Dent Hardware Co., Fullerton, Pa. Latch device for refrigerator and like doors. 1,582,884; Apr. 27.
Schrader's, A., Son, Incorporated. (See Bacon, Preston, assignor.)
Schrader's, A., Son, Inc. (See Noll, Charles, assignor.)
Schroeder, Louis J. (See Perrault, J. E., and Schroeder.)
Schroeter, Georg, Berlin, Germany. Hydrogenation of naphthalene. 1,582,310; Apr. 27.
Schuler, Henry R., Spokane, Wash. Direction indicator. 1,582,087; Apr. 27.
Schull, Leopold, Vienna, Austria. Pinching clutch for eccentric presses and shears. 1,582,311; Apr. 27.
Schultz, Franz, Cologne-Mulheim, Germany. Diesel engine. 1,582,792; Apr. 27.
Schwarz, Henry F., assignor to National Economic Plans, Inc., New York, N. Y. Coupon. Des. 70,030; Apr. 27.
Scott Paper Company. (See Parsons, P. D., and Mulligan, assignors.)
Scranton Button Company, The. (See Sylvester, L. G., and Wells, assignors.)

Scranton Button Company, The. (See Wells, Cyrus B., assignor.)
Sedlmayr, Robert. (See Kränzlein, G., Greune, Sedlmayr, and Vollmann.)
Seifert, William V. (See Brutus, Carl R., assignor.)
Selfridge, Harrison A., assignor to The Duraform Company, Incorporated, New Haven, Conn. Paper-folding machine. 1,582,486; Apr. 27.
Seliber, Lazar, New York, N. Y. Wrist watch or article of similar nature. Des. 70,031; Apr. 27.
Senenich, Chester D., Irwin, Pa. Mining car. 1,582,312; Apr. 27.
Sessions, Frank L., Lakewood, assignor to The Elyria Iron & Steel Company, Cleveland, Ohio. Electric welding machine. 1,582,549; Apr. 27.
Seto, William T., New York, N. Y. Deck of cards. Des. 70,032; Apr. 27.
Sewell Cushion Wheel Company. (See Pagelsen, Edward N., assignor.)
Seymour, James M., Newark, N. J. Cooling tower. 1,582,550; Apr. 27.
Shank, Joseph H., Dayton, Ohio. Gymnasium bed. 1,582,487; Apr. 27.
Shanks, William H., Frankfort, Ky. Steering wheel and switch assembly. 1,582,088; Apr. 27.
Shankweiler, Earl A., Allentown, Pa. Loud-speaker lamp. Des. 70,033; Apr. 27.
Shartle, Charles W., Middletown, Ohio. Producing paper pulp from raw stock. 1,582,351; Apr. 27.
Sheahan, Edward. (See McNamara, F. W., and Sheahan.)
Shepherd, Noble N., assignor to Indianapolis Screw Products Company, Indianapolis, Ind. Filter trap. 1,582,550; Apr. 27.
Sherwood Brass Works. (See Sherwood, William, assignor.)
Sherwood, William, assignor to Sherwood Brass Works, Detroit, Mich. Flushing-valve nozzle for urinals. 1,582,488; Apr. 27.
Shingle Lock Company, The. (See Kridler, B. C., and Boyle, assignors.)
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Lighter. 1,582,145; Apr. 27.
Siders, James C., Kellogg, Idaho. Charge-forming device. 1,582,089; Apr. 27.
Siegel, Joseph, assignor to American Lady Corset Company, Detroit, Mich. Combined step-in and brassière. 1,582,352; Apr. 27.
Siegfried, Robert, Carrick, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible drive. 1,582,698; Apr. 27.
Siemens & Halske, Aktiengesellschaft. (See Riegger, Hans, assignor.)
Signal Electric Mfg. Co. (See Hulbert, C. H., and Tideman, assignors.)
Simmons Company. (See Kusterle, Frank, assignor.)
Simmons Method Hob Company. (See Simmons, Oliver G., assignor.)
Simmons, Oliver G., assignor to Simmons Method Hob Company, Cleveland, Ohio. Causing accurately-predetermined relative movements of a tool with respect to the work. 1,582,313; Apr. 27.
Simmons, Philip W., Portland, Me. Shock absorber. 1,582,551; Apr. 27.
Simon, Arthur. (See Stoekle, E. R., and Simon.)
Simons, Abraham, New York, N. Y. Apparatus for drawing wire. 1,582,434; Apr. 27.
Simplex Cap Company, The. (See Zarobsky, Charles A., assignor.)
Sipes, Ernest J., Falkner, Miss. Breastpin. 70,034; Apr. 27.
Slater, N., Company, Limited, The. (See Milne, Winford G., assignor.)
Sloman, Ernest G., San Francisco, Calif. Set of playing cards. Des. 70,035; Apr. 27.
Smith, Benjamin H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,582,699; Apr. 27.
Smith, Charles S., Chicago, Ill. Footrest. 1,582,700; Apr. 27.
Smith, Charles W., and E. L. Thompson, Bluffton, Ind. Power-driven and power-actuated extension ladder for fire trucks. 1,582,793; Apr. 27.
Smith, Charles W., Bluffton, and E. L. Thompson, Fort Wayne, Ind. Telescoping extension ladder. 1,582,794; Apr. 27.
Smith, Clarence W., Mexia, Tex. Caster. 1,582,795; Apr. 27.
Smith, Daniel A., Wilmington, Del. Game. 1,582,796; Apr. 27.
Smith, David D., Hollywood, Calif. Rubber heel. 1,582,229; Apr. 27.
Smith, Ira E., Stockton, Calif. Oil burner. 1,582,552; Apr. 27.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,582,435; Apr. 27.
Smith, John L. (See Gallaher, Edward B., assignor.)
Smith, L. C., and Bros. Typewriter Inc. (See Gabrielson, assignor.)
Smith, William H., Clinton, Ill. Method and apparatus for making up and forwarding freight trains. 1,582,090; Apr. 27.
Smith, Willoughby S., Benchams, Newton Poppleford, and H. J. Garnett, Seven Oaks, England. Magnetic alloy. 1,582,353; Apr. 27.
Snell, Ralph M., North Agawam, assignor to Paper Makers Chemical Company, Wilamsett, Mass. Drum construction. 1,582,489; Apr. 27.
Snook, Homer C., South Orange, N. J., and J. B. Johnson, Elmhurst, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y. Generating electric oscillations. 1,582,270; Apr. 27.
Snooke, Eleazer S., Bridgeport, Conn. Manhole sewerwell, and catch-basin structure. 1,582,191; Apr. 27.
Société Anonyme "Brevets Foucault", The. (See Delacuvellerie, Ernest, assignor.)
Society of Chemical Industry in Basle, The. (See de Montmollin, G., and Bonhôte, assignors.)
Society of Chemical Industry in Basle. (See Faust, Edwin S., assignor.)
Sohm, Alfred L., Chicago, Ill. Radiator-locking cap. 1,582,354; Apr. 27.
Solliday, Foster K. (See Husted, Paul, and O., and Solliday.)
So-Me-On Corporation. (See Lehmann, Kurt, assignor.)
Soss, Joseph, Brooklyn, N. Y. Hinge. 1,582,701; Apr. 27.
Spinney, Edmund S., Abington, assignor to Whitman Patching Machine Company, Incorporated, Whitman, Mass. Tag-patching machine. 1,582,436; Apr. 27.
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Sproul, Stewart F., Eldorado, Kans. Drink-vending machine. 1,582,146; Apr. 27.
Squires, John, Detroit, Mich., assignor to Economies Research Company, Havana, Ill. Oil burner. 1,582,091; Apr. 27.
Stacy, Eugene C., Tiffin, Ohio. Mold structure. 1,582,092; Apr. 27.
Stagner, Bert A. (See Frizell, D., and Stagner.)
Stancliffe, Cecil W., assignor to Valveless Oil Burner Corporation, New York, N. Y. Oil burner and control means. 1,582,490; Apr. 27.
Standard Development Company. (See Clark, Edgar M., assignor.)
Standard Oil Company. (See Danner, Philip S., assignor.)
Standard Oil Company. (See King, Kenneth V., assignor.)
Standard Oil Company of New York. (See Filter, Frank R., assignor.)
Stanford, Hugh M., Hayfield Township, Crawford County, Pa. Steel trap. 1,582,797; Apr. 27.
Stanley, James, New York, N. Y. Illuminating device. 1,582,437; Apr. 27.
Stanley, John C., Denver, Colo. Wall-board support. 1,582,147; Apr. 27.
Stellmann, Louis M., and R. Murphy, assignors to H. H. Franklin Mfg. Company, Syracuse, N. Y. Air-cooled internal-combustion engine. 1,582,314; Apr. 27.
Stephens, James F., assignor of one-half to N. Gist, Newberry, S. C. Seed and fertilizer distributor. 1,582,798; Apr. 27.
Stevens, Alexander B., Oakland, assignor to Schmidt Lithograph Company, San Francisco, Calif. Package-display easel. 1,582,355; Apr. 27.
Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Braking mechanism. 1,582,553; Apr. 27.
Stevens, Charles B., New York, N. Y. Process and apparatus for forming impregnated sheets. 1,582,491; Apr. 27.
Stewardson, James B., Colby, Kans. Coupler. 1,582,799; Apr. 27.
Stewart, Albert D. (See Cumfer, Harry A., assignor.)
Stewart Warner Speedometer Corporation. (See Bossi, Enea, assignor.)
Stickney, Burnham C., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,582,438; Apr. 27.
Stier, Frank C., assignor to The Baker R & L Company, Cleveland, Ohio. Body construction. 1,582,554; Apr. 27.
Stockholder, John H., New Orleans, La., assignor to Automatic Boiler Cleaner Company. Boiler cleaner. 1,582,148; Apr. 27.
Stoekle, Erwin R., Milwaukee, Wis. Device for controlling and indicating the tuning of radio instruments and the like. 1,582,555; Apr. 27.
Stoekle, Erwin R., Milwaukee, Wis. Rheostat. 1,582,356; Apr. 27.
Stoekle, Erwin R., and Arthur Simon, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for controlling electrical and other operating conditions of electric circuits. 1,582,702; Apr. 27.
Storrar, George A., Tacoma, Wash. Station-indicating system. 1,582,800; Apr. 27.
Stowell, Jonathan R., Vancouver, British Columbia, Canada. Level. 1,582,149; Apr. 27.
Strandt, Gustav, assignor to Milwaukee Dairy Supply Manufacturing Co., Milwaukee, Wis. Bottle-handling machine. 1,582,315; Apr. 27.
Stratford, Harrison E., Philadelphia, Pa. Automobile wheel rim. 1,582,439; Apr. 27.
Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Cooling apparatus. 1,582,192; Apr. 27.

Stryker, Auriol M., assignor to E. J. Brach & Sons, Chicago, Ill. Candy containing and displaying device. 1,582,703; Apr. 27.
Stuart, Sydney, assignor to John Heine & Son Limited, Leichhardt, near Sydney, Australia. Automatic can-body-making machine. 1,582,093; Apr. 27.
Stuck, Everett, Romford, assignor to Roneo Limited, London, England. Drawer guide. 1,582,556; Apr. 27.
Submarine Signal Company. (See Fay, Richard D., assignor.)
Suender, Russell L. (See Lesser, W. H., and Suender.)
Sunheam Electric Manufacturing Company. (See Heines, Arthur Q., assignor.)
Superior Switchboard & Devices Company. (See Newman, Thomas J., assignor.)
Sutter, Edgar E. (See Haring, U. G., and Sutter, and Haring.)
Swanton, Godfrey H., Melbourne, and A. F. Echberg, Hawthorn, Melbourne, Australia. Curb. 1,582,557; Apr. 27.
Sweet, William R., Massillon, Ohio. Bolt and nut lock and making the same. 1,582,094; Apr. 27.
Swindell, William E., East Orange, N. J. Bottle or similar container. Des. 70,036; Apr. 27.
Sylvester, Louis G., and C. B. Wells, assignors to The Scranton Button Company, Scranton, Pa. Die for phonograph records. 1,582,704; Apr. 27.
Symes, Henry A. and V. G., Fairlie, New Zealand. Securing or coupling the ends of fencing wires and the like. 1,582,095; Apr. 27.
Symes, Vincent G. (See Symes, Henry A. and V. G.)
Szűr, Michael, assignor of one-half to C. Rajki, Sharon, Pa. Dough mixer. 1,582,801; Apr. 27.
Talbot, Oliver C., and A. Flood, Kansas City, Mo. Mortar-mixing machine. 1,582,357; Apr. 27.
Tantlinger, Guy O., Chicago, Ill., assignor to Emil Weissbrod & Sons, Inc., Greenfield, Mass. Detachable card-case for pocketbooks. 1,582,492; Apr. 27.
Taylor, Arnold M., and F. A. Buote, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del. Floor putty having a nitrocellulose oil base. 1,582,705; Apr. 27.
Taylor, Hazel M., New York, N. Y. Neck piece. 1,582,558; Apr. 27.
Teetor, Ralph R., assignor to Indiana Piston Ring Company, Hagerstown, Ind. Tool for compressing piston rings. 1,582,316; Apr. 27.
Textile Machine Works. (See Krissiep, Max, assignor.)
Textiles Development Corporation. (See Manley, Fred B., assignor.)
Thiele, Albrecht, assignor to Chemische Fabrik auf Actien (vorm. E. Scherling), Berlin, Germany. Manufacture of pharmaceutical product. 1,582,802; Apr. 27.
Thomas, Arvine N., Canton, Ohio. Buckle. 1,582,096; Apr. 27.
Thomas, Benjamin D., assignor of one-tenth to Thomas-Morse Aircraft Corporation, Ithaca, N. Y. Airplane construction. 1,582,706; Apr. 27.
Thomas-Morse Aircraft Corporation. (See Thomas, Benjamin D., assignor.)
Thompson, Earnest L. (See Smith, C. W., and Thompson.)
Thompson, George O., Glendale, Calif. Gas water heater. 1,582,230; Apr. 27.
Thompson, Kenworthy J., Mansfield, Ohio. Rolling apparatus. 1,582,559; Apr. 27.
Thompson, L. A., Scenic Railway Company, The. (See Darling, Frank W., assignor.)
Thompson, Walter, Airdrie, Alberta, Canada. Nut lock. 1,582,193; Apr. 27.
Thomsen, Alfred M., Floriston, assignor to Crown Willamette Paper Company, San Francisco, Calif. Economic disposal of waste sulphite liquor in the manufacture of sulphite pulp. 1,582,317; Apr. 27.
Thomsen, Peter, Cassel, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Water-tube boiler. 1,582,097; Apr. 27.
Thorngren, Andrew P., Pigeon Cove, Mass. Wrench. 1,582,803; Apr. 27.
Tidal-Dunn Company. (See Dunn, Irwin L., assignor.)
Tideman, William J. (See Hulbert, C. H., and Tideman.)
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Pipe hanger. 1,582,358; Apr. 27.
Toothaker, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of turned shoes. 1,582,098; Apr. 27.
Towler, John W., Cincinnati, Ohio. Composition shingle. 1,582,804; Apr. 27.
Tracy, Peter J., Hartford, Conn. Door opening and closing mechanism. 1,582,805; Apr. 27.
Trail, Herbert H., Vancouver, British Columbia, Canada, Engine-starter drive. 1,582,493; Apr. 27.
Trapschuh, Franz, Torrance, Calif. Manufacturing glass and apparatus for carrying on this process. 1,582,560; Apr. 27.
Trask, Ray H., Boise, Idaho. Storage building for motor vehicles. 1,582,099; Apr. 27.
Trees, Joseph C. (See McCurdy, R. P., and Hochstetter, assignors.)
Trevor, David H., Newark, N. J. Safety razor. 1,582,707; Apr. 27.
Tri-Ergon, A.-G. (See Massolle, Joseph, assignor.)
Trivus, Benjamin, Providence, R. I. Detector. 1,582,194; Apr. 27.
Troppman, Charles J., Chicago, Ill., assignor to American Optical Company, Southbridge, Mass. Bench for lens-grinding machines. 1,582,100; Apr. 27.
Trowbridge, William H., Passaic, N. J. Trimming device. 1,582,359; Apr. 27.
Truscon Steel Company, The. (See Kane, Thomas H., assignor.)
Tuligren, Roy E. (See Laun, E. E., and Tuligren.)
Turner, Benjamin R., and R. L. Higginbotham, assignors of three-eighths to said Turner, three-eighths to said Higginbotham, and two-eighths to C. S. Abell, Norfolk, Va. Automatic metal feeder. 1,582,101; Apr. 27.
Tuten, William T., Orlando, Fla. Hat receptacle and press. 1,582,102; Apr. 27.
Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Socket core for pipe molds. 1,582,440; Apr. 27.
Underwood Typewriter Company. (See Helmond, William F., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
Union Oil Company of California. (See Frizell, De Ralph, assignor.)
Union Oil Company of California. (See Frizell, E., and Stagner, assignors.)
Union Oil Company of California. (See Rebber, Leland L., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United Shoe Machinery Corporation. (See Toothaker, Fred E., assignor.)
United States Cast Iron Pipe and Foundry Company. (See Uhrig, John H., assignor.)
U. S. Light & Heat Corporation. (See Bliss, Wm. L., assignor.)
Universal Candy and Chocolate Machinery Company, Inc. (See Chase, Earle M., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Utility Manufacturing and Sales Corporation. (See Reinhard, Frank A., assignor.)
Vallier, Wilfred F., Pontiac, Mich. Internal-combustion engine. 1,582,195; Apr. 27.
Valveless Oil Burner Corporation. (See Stancliffe, Cecil W., assignor.)
Van Arkel, Anton E., and J. H. de Boer, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Separating hafnium and zirconium. 1,582,860; Apr. 27.
Van Arsdel, Wallace B. (See Richter, G. A., Van Arsdel, and Chase.)
Van Blarcom, Glen W., Lansing, Mich. Fishing-pole attachment. 1,582,196; Apr. 27.
Van der Gracht, Joseph T., Campbell, Calif. Artificial parchment and making the same. 1,582,319; Apr. 27.
Van de Mark, Walter, North Chicago, Ill., assignor to Vulcan Louisville Smelting Company. Colored granulated slag and making same. 1,582,318; Apr. 27.
Vandrey, Adolph P., Mankato, Minn. Door holder. 1,582,561; Apr. 27.
Vaughn, Lewis C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Battery-charging system. 1,582,708; Apr. 27.
Vaughan, Victor G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric radiant heater. 1,582,709; Apr. 27.
Verhoëven, Jacques J. (See Daniëlou, R. L. M., and Verhoëven.)
Vester, Alfred, Sons, Inc. (See Whittle, Charles de Q., assignor.)
Vickery, Frank E., Davenport, Iowa, assignor, by mesne assignments, to Gold Dust Corporation, New York, N. Y. Container for liquid cleaning compounds. 1,582,861; Apr. 27.
Videtta, John, Weehawken, N. J. Kitchen cabinet. 1,582,806; Apr. 27.
Videtta, John, Weehawken, N. J. Garbage-can receptacle. 1,582,807; Apr. 27.
Vigneron, Dahl & Cie. (See Daniëlou, R. L. M. and Verhoëven, assignors.)
Vigneron, Jean B. J. A., Marseille, France. Trawling gear. 1,582,710; Apr. 27.
Villaret, Gustave E., Leonia, N. J., assignor to William R. Noe & Sons, New York, N. Y. Finial for lighting fixtures. Des. 70,037; Apr. 27.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Knob for lighting fixtures. Des. 70,038; Apr. 27.
Vinzant, Joseph I., assignor of one-half to R. Muse, Inglewood, Calif. Plasterer's hand guard. 1,582,231; Apr. 27.
Vinzant, Joseph I., assignor of one-fourth to R. Muse, and one-fourth to B. Malin, Inglewood, Calif. Industrial shoe guard. 1,582,232; Apr. 27.
Vitullo, Vito, Chicago, Ill. Ice-cream cutter. 1,582,103; Apr. 27.

Viviano, Philip, St. Louis, Mo. Humidifier. 1,582,197; Apr. 27.
Voelker, Alfred T., Glassboro, N. J. Game device. 1,582,104; Apr. 27.
Vogel, William H., Highland Park, assignor to Raymond Bros. Impact Pulverizer Co., Chicago, Ill. Packing. 1,582,562; Apr. 27.
Vollmann, Heinrich. (See Kränzlein, G., Greune, Sedlmayr, and Vollmann.)
Von Haimberger, Theodor F., Grunewald, near Berlin, and J. K. Wirth, Charlottenburg, near Berlin, Germany. Coating the inner surfaces of tubes. 1,582,563; Apr. 27.
Von Hoorn, Fred G. Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,582,711; Apr. 27.
Von Reis, Lambert, Herzogenrath, Germany. Grinding and polishing glass plates. 1,582,808; Apr. 27.
Vortex Mfg. Co. (See Barbieri, Cesare, assignor.)
Vortex Mfg. Co., The. (See Potts, Peter T., assignor.)
Votey, Charles H., Hartsdale, N. Y., assignor to The Aeolian Company. Housing the receiving loop in radio-set cabinets. 1,582,441; Apr. 27.
Vredenburgh, Arthur, Armand, Fla. Sounding board for musical instruments and making the same. 1,582,564; Apr. 27.
Vulcan Louisville Smelting Company. (See Van de Mark, Walter, assignor.)
Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
Wagenhorst, James H., Jackson, Mich. Rim and felly. 1,582,494; Apr. 27.
Wagner, Charles F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current-collecting device. 1,582,712; Apr. 27.
Wagner, William F., Ambridge, Pa. Convertible single and double ignition device. 1,582,360; Apr. 27.
Wahl, Clipper Corporation. (See Wahl, Leo J., assignor.)
Wahl, Leo J., Sterling, Ill. Movable-blade mounting for clippers. 1,582,320; Apr. 27.
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Clipper construction. 1,582,321; Apr. 27.
Walbridge, Newman, Buffalo, N. Y. Cable braking and bracing device. 1,582,198; Apr. 27.
Walker Signal and Equipment Corporation. (See Walker, William L., assignor.)
Walker, William L., assignor to Walker Signal and Equipment Corporation, New York, N. Y. Submarine signaling apparatus. 1,582,105; Apr. 27.
Walrath, John. (See Dustan, Frederick, P., assignor.)
Walsh, James A. (See Mohn, Arnold, assignor.)
Walter, Otto, Hannover, Germany. Manufacture and treatment of leather. 1,582,495; Apr. 27.
Walters, Frank P., Brooklyn, N. Y. Optical display device. 1,582,199; Apr. 27.
Ward, William L. (See Lopez, J. P., and Ward.)
Warren Featherbore Company, The. (See Brown, Percy E., assignor.)
Warren, Francis W., Paris, France. Control of belt tension in paper machines. 1,582,322; Apr. 27.
Warren, Francis W., Paris, France. Tension-roll bearing. 1,582,323; Apr. 27.
Wash-All Machine Company. (See Adams, Frank A., assignor.)
Waters, Charles B., Montclair, N. J. Forms of alternating current arc-welding apparatus. 1,582,497; Apr. 27.
Watson, George D., Torrance, Calif. Tubing catcher. 1,582,200; Apr. 27.
Watson, Lancelot, J. (See Petterd, James W., assignor.)
Weaver, John W., Raleigh, N. C. Game apparatus. 1,582,150; Apr. 27.
Weddington, Ulysses S., Childress, Tex. Oil-gas burner. 1,582,106; Apr. 27.
Welcensang, Charles. (See Luckwaldt, D., Katz, and Grosmann, assignors.)
Weissbrod, Emil, & Sons, Inc. (See Tantlinger, Guy O., assignor.)
Weitling, William W., trustee. (See Henry, Augustus M., assignor.)
Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure. 1,582,713; Apr. 27.
Wells, Cyrus B. (See Sylvester, L. G., and Wells.)
Wells, Cyrus B., assignor to The Scranton Button Company, Scranton, Pa. Die for molding plastic material. 1,582,714; Apr. 27.
Wells, Otis A., assignor to Window Glass Machine Company, Arnold, Pa. Method and apparatus for annealing and cooling sheet glass. 1,582,496; Apr. 27.
Welsch, Karl H. P., Hamburg, Germany. Bearing for the blades of wind or water wheels. 1,582,861; Apr. 27.
Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic hydroelectric station. 1,582,715; Apr. 27.
West, Maxwell A., assignor of one-half to A. M. Quenin, Portland, Oreg. Carriage holder and releasing mechanism. 1,582,362; Apr. 27.
Western Automatic Company. (See Parker, Charles A., assignor.)
Western Electric Company. (See Adams, Arthur H., assignor.)
Western Electric Company. (See Duclos, Aeneas J. N., assignor.)
Western Electric Company. (See Hilberry, Norman, assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Howe, Alonzo H. D., assignor.)
Western Electric Company. (See Larsen, Einer W., assignor.)
Western Electric Company. (See Snook, H. C., and Johnson, assignors.)
Western Electric Company. (See Whiteside, Victor, assignor.)
Westinghouse Electric & Manufacturing Company. (See Angus, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goodwin, Walter C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miner, Douglas F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Newmeyer, William L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rosenbaum, Bruno, assignor.)
Westinghouse Electric & Manufacturing Company. (See Siegfried, Robert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vaughn, Lewis C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vaughan, Victor G., assignor.)
Westinghouse Electric & Manufacturing Company. (See von Hoorn, Fred G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wagner, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Wardrobe trunk. 1,582,363; Apr. 27.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Whitcomb, Winfred S., Laramie, Wyo. Sheep-shearing machine. 1,582,324; Apr. 27.
White, John D., assignor of forty-nine one hundredths to W. T. Sadler, Wichita Falls, Tex. Stenciling apparatus. 1,582,809; Apr. 27.
White, William P., assignor to Anchor Cap & Closeure Corporation, Brooklyn, N. Y. Jar-cap opener. 1,582,442; Apr. 27.
Whitehead, Frederick L., Butte, Mont. Educational appliance. 1,582,810; Apr. 27.
Whiteside, Victor, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 1,582,107; Apr. 27.
Whitman Patching Machine Company. (See Spinney, Edmund S., assignor.)
Whittaker, Neil M., Hackensack, N. J. Tampon. 1,582,201; Apr. 27.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 70,039; Apr. 27.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Banding for lighting fixtures. Des. 70,040; Apr. 27.
Whittle, Charles de Q., Kenilworth, Ill., assignor to Alfred Vester Sons, Inc., Providence, R. I. Banding for lighting fixtures. Des. 70,041; Apr. 27.
Widman, Herman F., et al. (See Edwards, George W., assignor.)
Widmer, John M. (See Prucha, M. J., and Widmer.)
Wilcox Comb Company. (See Bennett, Frank R., assignor.)
Wilder, Benjamin F., New York, N. Y. Fishing lure. 1,582,716; Apr. 27.
Wildhaber, Ernest, Brooklyn, N. Y., assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland. Ram-reciprocating mechanism. 1,582,717; Apr. 27.
Wiley, Samuel, Metuchen, N. J. Folding parachutes. 1,582,202; Apr. 27.
Wilkerson, Eldred B., Houston, Tex. Pedal lock. 1,582,498; Apr. 27.
Wilkinson, Charles H., Leigh, England. Loom shuttle. 1,582,565; Apr. 27.
Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)
Willett, Alfred H., West New York, N. J., assignor to American Arch Company. Flue-sanding apparatus for locomotive fire boxes. 1,582,203; Apr. 27.
Williams, Herbert A., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill. Lamp base. Des. 70,042; Apr. 27.
Williams, Herbert A., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill. Lamp base. Des. 70,043; Apr. 27.
Williams, Herbert A., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill. Lamp base. Des. 70,044; Apr. 27.
Williams, Herbert A., assignor to Rindsberger Manufacturing Corporation, Chicago, Ill. Lamp base. Des. 70,045; Apr. 27.
Williams, Josiah H. (See Bethel, A. R. and Williams.)

Willis, Oscar D. and E. W. Felix, Huntington, W. Va. Holder. 1,582,108; Apr. 27.
Wills, Walter B., Baltimore, Md. Frying basket. 1,582,109; Apr. 27.
Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Rouge holder. 1,582,443; Apr. 27.
Wilson, Thos. E., & Co. (See Link, Albert C., assignor.)
Window Glass Machine Company. (See Wells, Otis A., assignor.)
Winkler, Fritz, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacturing active carbon. 1,582,718; Apr. 27.
Winslow Safety High-Pressure Boiler Company. (See Winslow, William H., assignor.)
Winslow, William H., assignor to Winslow Safety High-Pressure Boiler Company, Chicago, Ill. Boiler. 1,582,325; Apr. 27.
Winter, Donald B., Fall River, Mass. Half lap. 1,582,110; Apr. 27.
Wireless Improvement Company. (See Fuller, Leonard F., assignor.)
Wirth, Johann K., Berlin-Charlottenburg, Germany. Coating metal and other surfaces. 1,582,566; Apr. 27.
Wirth, Johann K. (See Von Haimberger, T. F., and Wirth.)
Wisch, Walter J., Baltimore, Md. Eyes for dolls and the like. 1,582,364; Apr. 27.
Wogan, Michael, Philadelphia, Pa. Combined screen and adjustable transparent ventilator. 1,582,111; Apr. 27.
Wolfram, Arthur. (See Littringhaus, A., and Wolfram.)
Wolken, Alvin C., Le Grand, Iowa. Fruit gatherer. 1,582,365; Apr. 27.
Wolkow, Isaac L., San Carlos, Calif. Ironing comb. 1,582,151; Apr. 27.
Womack, Samuel W., Wichita Falls, Tex. Bedstead-display rack. 1,582,366; Apr. 27.
Wood, Charles K. (See Wood, James F., assignor.)
Wood, James F., assignor to C. K. Wood, Kansas City, Mo. Antiglare attachment for headlights. 1,582,326; Apr. 27.
Woodall, Herbert J., Grosse Pointe Shores, and W. B. Richards, Detroit, Mich. Die. 1,582,204; Apr. 27.
Woods, William W., Springfield, Mo. Cooking range. 1,582,152; Apr. 27.
Wrigley, Daniel, Brooklyn, N. Y. Paper-box-making machinery. 1,582,205; Apr. 27.
Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston-ring-contracting apparatus. 1,582,719; Apr. 27.
Wycoff, Elbert N. (See Hughes, John L., assignor.)
Yamamoto, Seiji. (See Kusunoki, S., and Yamamoto.)
Yawdro Manufacturing Company. (See Ordway, Joseph H., assignor.)
Yngve, Victor, Long Branch, N. J., assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Electrode. 1,582,567; Apr. 27.
Young, Lenly S., Dorchester, Mass. Mechanically operated figure toy. 1,582,153; Apr. 27.
Zaidan Hojin Rikagaku Kenkyujo. (See Okochi, M., and Hanaoka, assignors.)
Zarobsky, Charles A., assignor to The Simplex Cap Company, The, Cleveland, Ohio. Dust-cap means. 1,582,862; Apr. 27.
Zeiher, Albert and J. E., Seattle, Wash. Pressure-controlled indicator for motors. 1,582,154; Apr. 27.
Zeiher, John E. (See Zeiher, Albert and J. E.)
Zens, Joseph H., Milwaukee, Wis. Knitting machine. 1,582,327; Apr. 27.
Zetterlund, Theodor, assignor to Milwaukee Press & Machine Company, Milwaukee, Wis. Press clutch. 1,582,568; Apr. 27.
Zimmerman, Harry C., Washington, D. C. Coupling. 1,582,206; Apr. 27.
Zopf, Emil, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended material from gases. 1,582,499; Apr. 27.
Zwartz, David G., Arnhem, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Manufacture of artificial silk. 1,582,863; Apr. 27.
Zworykin, Vladimir K., Kansas City, Mo., assignor to Westinghouse Electric & Manufacturing Company. Treating vacuum tubes. 1,582,720; Apr. 27.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid and salts thereof, Manufacture of glumatic. K. Ikeda. 1,582,472; Apr. 27.
Acids. Preparation of hydroxy aliphatic arsonic. C. Oechslin. 1,582,775; Apr. 27.
Acids. Preparation of substituted aliphatic arsonic. C. Oeschslin. 1,582,776; Apr. 27.
Acoustical apparatus. F. D. Lewis. 1,582,285; Apr. 27.
Actuator for the brake mechanism of auto-motive vehicles, Power. C. S. Bragg and V. W. Kliesrath. 1,582,118; Apr. 27.
Adding machine, Shuttle-carriage mechanism for. H. Landsiedel. 1,582,830; Apr. 27.
Addressing machine. J. S. Duncan. 1,582,386; Apr. 27.
Addressing machines, Attachment for. H. A. Forsman. 1,582,743; Apr. 27.
Aerial-picture apparatus. H. M. Goodhue, Sr. 1,582,262; Apr. 27.
Agglutinant, surface finishing and sizing composition, Manufacture of. G. F. Blombery. 1,582,117; Apr. 27.
Agitator. M. Horrell. 1,582,518; Apr. 27.
Agricultural machine. C. C. Baldwin. 1,582,660; Apr. 27.
Air compressor. N. Gribojedoff. 1,582,264; Apr. 27.
Air compressor, Portable. I. L. Dunn. 1,582,028; Apr. 27.
Airplane construction. B. D. Thomas. 1,582,706; Apr. 27.
Airplanes, Fitting for. D. E. Dunlap. 1,582,587; Apr. 27.
Alarm device. R. H. H. Geffcken, and R. H. Richter. 1,582,745; Apr. 27.
Alloy, Magnetic. W. S. Smith and H. J. Garnett. 1,582,353; Apr. 27.
Amplifier system, Neutralized. L. C. F. Horle. 1,582,470; Apr. 27.
Amusement device. M. D. Adler. 1,582,811; Apr. 27.
Animal-scratching device. E. Pflaum. 1,582,144; Apr. 27.
Annealing furnace. H. Grünewald. 1,582,036; Apr. 27.
Antiseptic and disinfectant compound and preserving fruit with same. H. Schlosstein. 1,582,086; Apr. 27.
Appliqué motif. K. Lehmann. Des. 70,004–17; Apr. 27.
Arc extinguisher. F. E. Ricketts. Re16,338; Apr. 27.
Arc welding. C. C. Peck. 1,582,081; Apr. 27.
Article of manufacture. P. C. P. Booty. 1,582,242; Apr. 27.
Ash-separating shovel. C. J. Miller. 1,582,293; Apr. 27.
Assembly, Handle. S. W. Nicholson. 1,582,189; Apr. 27.
Atomizer, Mechanical. E. H. Peabody. 1,582,080; Apr. 27.
Automobile floor board. J. C. Haggart, Jr. 1,582,176; Apr. 27.
Automobile license-plate support. D. MacPhail. 1,582,289; Apr. 27.
Automobile wheel rim. H. E. Stratford. 1,582,439; Apr. 27.
Automobiles, Thawing device for. R. Battle. 1,582,372; Apr. 27.
Azodyestuffs and making the same. G. de Montmollin and G. Bonhôte. 1,582,029; Apr. 27.
Bag fastener. H. Levine. 1,582,833; Apr. 27.
Bait, Artificial. W. A. Foss. 1,582,171; Apr. 27.
Ball-transmitting apparatus. G. Miniotti. 1,582,341; Apr. 27.
Barber's chair. W. F. Koken. 1,582,280; Apr. 27.
Basket, Canvas. H. Josephson. 1,582,272; Apr. 27.
Basket, Frying. W. B. Wills. 1,582,109; Apr. 27.
Bathtub and shower closet, Combined. B. N. Kraemer. 1,582,881; Apr. 27.
Battery-charging system. L. C. Vaughn. 1,582,708; Apr. 27.
Bearing for drying cylinders and the like. A. Buchanan. 1,582,246; Apr. 27.
Bearing for the blades of wind or water wheels. K. H. P. Welsch. 1,582,361; Apr. 27.
Bearing lubricator. C. G. Edwards. Re16,337; Apr. 27.
Bearing, Tension-roll. F. W. Warren. 1,582,323; Apr. 27.
Bed, Automobile. T. P. Bahr. 1,582,500; Apr. 27.
Bed, Gymnasium. J. H. Shank. 1,582,487; Apr. 27.
Beet-topping machine. J. Mazzocco. 1,582,292; Apr. 27.
Belt buckle. W. J. Morse. Des. 70,026; Apr. 27.
Belt buckle. E. R. Baer. 1,582,329; Apr. 27.
Belt shifter. J. B. Chace. 1,582,731; Apr. 27.
Belt tightener and guide. V. L. Gibson. 1,582,516; Apr. 27.
Berries and the like, Treating. M. Rezos. 1,582,858; Apr. 27.
Berry box. P. Flansburg. 1,582,591; Apr. 27.
Bib, Wash-tray. P. Mueller. 1,582,529; Apr. 27.
Binder, Loose-leaf. H. B. Jennings, jr. 1,582,405; Apr. 27.
Binder, Temporary loose-leaf. P. Frank. 1,582,459; Apr. 27.
Biscuit-sorting machine. W. H. Hungerford. 1,582,820; Apr. 27.
Bit: *See*—
Well-drilling bit.
Bituminous emulsion. G. S. Hay. 1,582,467; Apr. 27.
Blackboard renovator, Portable. A. P. Bennington. 1,582,664; Apr. 27.
Blasting and apparatus therefor. J. F. Joy. 1,582,273; Apr. 27.
Block: *See*—
Building block.
Board: *See*—
Automobile floor board. Divider board.
Body construction. F. C. Stier. 1,582,554; Apr. 27.
Boiler: *See*—
Water-tube boiler.
Boiler. W. H. Winslow. 1,582,325; Apr. 27.
Boiler cleaner. J. H. Stockholder. 1,582,148; Apr. 27.
Bolt and nut lock and making the same. W. R. Sweet. 1,582,094; Apr. 27.
Book. F. D. Fortney. 1,582,458; Apr. 27.
Boot tree or last. J. E. Perrault and L. J. Schroeder. 1,582,143; Apr. 27.
Bottle. J. L. Bramble. Des. 69,983; Apr. 27.
Bottle. W. D. Grannan. Des. 69,992; Apr. 27.
Bottle. H. C. Herger. Des. 69,993; Apr. 27.
Bottle. J. T. Livers. Des. 70,019; Apr. 27.
Bottle. F. R. Miller. Des. 70,025; Apr. 27.
Bottle-capping machine. J. E. Johnson and C. H. Oslund. 1,582,139; Apr. 27.
Bottle-handling machine. G. Strandt. 1,582,315; Apr. 27.
Bottle or similar container. W. E. Swindell. Des. 70,036; Apr. 27.
Box: *See*—
Berry box. Packing box.
Carburizing box. Shipping box.
Miter box. Tote box.
Box. A. E. Bruns. 1,582,631; Apr. 27.
Box toes, Process and intermediate product in manufacture of. J. H. Ordway. 1,582,074; Apr. 27.
Braces, Auxiliary drill chuck for. W. R. Border. 1,582,445 Apr. 27.
Brake. R. M. Brandon and A. V. Canfield. 1,582,447; Apr. 27.
Brake booster. T. M. Russell. 1,582,546; Apr. 27.
Brake mechanism. G. Midboe. 1,582,879; Apr. 27.
Braking mechanism. B. D. Stevens. 1,582,553; Apr. 27.
Braking mechanism, Electric. H. V. James. 1,582,755; Apr. 27.
Breakfast set, Electrically-heated. J. R. Marchesseault. 1,582,290; Apr. 27.
Brick-mason's tool. O. C. Oehler. 1,582,299; Apr. 27.
Bridle, Polo. C. D. Carey. 1,582,635; Apr. 27.
Broom. W. Cuthbert. 1,582,250; Apr. 27.
Buckle. A. N. Thomas. 1,582,096; Apr. 27.
Buckle, Belt. R. J. Raliegh. 1,582,304; Apr. 27.
Building block. C. W. Cooper. 1,582,735; Apr. 27.
Building construction, Sectional. T. H. Kane. 1,582,611; Apr. 27.
Burner: *See*—
Gas burner. Oil burner.
Hydrocarbon burner. Oil-gas burner.
Liquid-fuel burner.
Bus-bar structure. D. F. Miner. 1,582,850; Apr. 27.
Buttonhole machine. L. J. Bazzoni. 1,582,116; Apr. 27.
Butyl alcohol and acetone, Production of. D. A. Legg. 1,582,408; Apr. 27.
Cabinet, Bath. T. A. Long. 1,582,766; Apr. 27.
Cabinet, Kitchen. J. Videtta. 1,582,806; Apr. 27.
Cable braking and bracing device. N. Walbridge. 1,582,198; Apr. 27.
Cable clamp. W. G. Milne. 1,582,340; Apr. 27.
Cables and conductors, Device for measuring values of resistance of. V. Planer. 1,582,222; Apr. 27.
Cables beneath ships, Apparatus for placing hoisting. 1,582,130; Apr. 27.

Calendar and kitchen memorandum card, Combination. L. R. Keller. Des. 69,997; Apr. 27.
Camera support. M. Citero. 1,582,381; Apr. 27.
Can-body-making machine, Automatic. S. Stuart. 1,582,093; Apr. 27.
Can cover, Ventilated. J. Heusser. 1,582,400; Apr. 27.
Can-testing machine. G. W. Hedstrom. 1,582,216; Apr. 27.
Cans and other containers, Seal for. E. Hopkinson. 1,582,219; Apr. 27.
Candlestick. W. H. Magee. Des. 70,021; Apr. 27.
Cap opener, Jar-. W. P. White. 1,582,442; Apr. 27.
Cell, Dry. W. Ramsay. 1,582,687; Apr. 27.
Cement-roasting apparatus. I. E. Lanhoffer. 1,582,831; Apr. 27.
Centrifugal casting. A. M. Henry. 1,582,601; Apr. 27.
Chain coupler, Tire-. G. G. Naugle. 1,582,874; Apr. 27.
Charge-forming device. J. C. Siders. 1,582,089; Apr. 27.
Chimney cleaner. A. V. Satterbert. 1,582,309; Apr. 27.
Chocolate-coating machinery. G. A. Dumas. 1,582,644; Apr. 27.
Car fender. J. C. Buchenau and E. R. Bishop. 1,582,729; Apr. 27.
Car for pleasure coasters, Coaster. F. W. Darling. 1,582,581; Apr. 27.
Car, Mine. H. W. Sanford. 1,582,350; Apr. 27.
Car, Mining. C. D. Senenich. 1,582,312; Apr. 27.
Cars and the like, Electric heater for street. W. G. Hartwig. 1,582,684; Apr. 27.
Cars, Passenger-handling and fare-collection system for street. J. F. Layng. 1,582,058; Apr. 27.
Cars, Refuse-discharging attachment for motor. T. F. Roach. 1,582,433; Apr. 27.
Carbon, Manufacturing active. F. Winkler. 1,582,718; Apr. 27.
Carburetor. A. Girin. 1,582,594; Apr. 27.
Carburetor. A. J. Laird. 1,582,478; Apr. 27.
Carburetor. W. Schoof. 1,582,697; Apr. 27.
Carburizing box. E. D. Aiken. 1,582,233; Apr. 27.
Card or mirror holder and lighting device. J. S. Massey. 1,582,291; Apr. 27.
Card or pamphlet holding and feeding device. O. W. Johnson. 1,582,610; Apr. 27.
Cards, Deck of. W. T. Seto. Des. 70,032; Apr. 27.
Cards, Set of playing. E. G. Sloman. Des. 70,035; Apr. 27.
Carriage holder and releasing mechanism. M. A. West. 1,582,362; Apr. 27.
Carrier: *See*—
Thread-tensioning braiding Web carrier.
carrier.
Case: *See*—
Manuscript case. Vanity case.
Cashier, Automatic. B. F. Baker. 1,582,659; Apr. 27.
Casing head and snuffer, Combined. P. Arbon. 1,582,238; Apr. 27.
Caster. L. Fleming. 1,582,211; Apr. 27.
Caster. C. W. Smith. 1,582,795; Apr. 27.
Caster, Antifriction swivel. S. L. Hancock. 1,582,598; Apr. 27.
Catalytic reactions, particularly in catalytically producing hydrocyanic acid, Effecting. A. Mittasch and W. Michael. 1,582,851; Apr. 27.
Catcher, Tubing. G. D. Watson. 1,582,200; Apr. 27.
Chair: *See*—
Barber's chair.
Cigar-finishing device. R. E. Rundell. 1,582,545; Apr. 27.
Cigar-machine return-feed mechanism. R. E. Rundell. 1,582,544; Apr. 27.
Cigar-wrapping mechanism. J. F. Halstead. 1,582,597; Apr. 27.
Circuit breaker, Thermally-operable self-soldering. R. H. Maple. Re.16,336; Apr. 27.
Circuits, Apparatus for controlling electrical and other operating conditions of electric. E. R. Stoekle and A. Simon. 1,582,702; Apr. 27.
Circuits, Phantom carrier. H. A. Affel. 1,582,112–13; Apr. 27.
Circuits, Phantom carrier. J. T. O'Leary. 1,582,073; Apr. 27.
Circular objects, Mechanism for supporting and moving. E. W. Larsen. 1,582,057; Apr. 27.
Circulars, Machine for sealing. A. H. Gustafson. 1,582,135; Apr. 27.
Clamp: *See*—
Cable clamp
Cleaner: *See*—
Chimney cleaner. Windshield cleaner.
Vacuum cleaner. Wire and felt cleaner.
Cleaner. R. J. Armstrong. 1,582,367; Apr. 27.
Cleaning compounds, Container for liquid. F. E. Vickery. 1,582,861; Apr. 27.
Clip: *See*—
Terminal clip.
Clipper construction. L. J. Wahl. 1,582,321; Apr. 27.
Clipper, Hair. G. W. Moore. 1,582,342; Apr. 27.
Clippers, Movable-blade mounting for. L. J. Wahl. 1,582,320; Apr. 27.
Closet: *See*—
Bathtub and shower closet. Water-closet.
Clothes hanger. J. A. Klock. 1,582,762; Apr. 27.
Clutch, Press. T. Zetterlund. 1,582,568; Apr. 27.
Clutch release, Tractor. J. Ing. 1,582,754; Apr. 27.
Clutch-shifting mechanism. H. L. Blood. 1,582,666; Apr. 27.
Coat hanger. C. Bart. 1,582,662; Apr. 27.
Coffeepot or similar article. G. N. Allen. Des. 69,980; Apr. 27.
Color characteristics, Determining. G. W. Clapp. 1,582,122; Apr. 27.
Coloring matters, Vat. A. Lüttringhaus and A. Wolfram. 1,582,844; Apr. 27.
Comb: *See*—
Ironing comb.
Concrete floor construction, Centering-form apparatus for. E. E. Davis. 1,582,582; Apr. 27.
Concrete-mixing machine. G. Jaeger. 1,582,048; Apr. 27.
Concrete slabs and the like, Manufacture of. W. R. Hume. 1,582,607; Apr. 27.
Condenser, Panel. A. A. Kent. 1,582,826; Apr. 27.
Condenser, Variable. C. H. Hulbert and W. J. Tideman. 1,582,519; Apr. 27.
Conduit and making the same, Water-resistant fiber. G. A. Richter, W. B. Van Arsdel, and A. W. Chase. 1,582,084; Apr. 27.
Control system. L. D. Kellogg. 1,582,825; Apr. 27.
Control unit, Manually-operable. A. C. Brueckmann. 1,582,378; Apr. 27.
Controlling instrument. A. M. Dixon. 1,582,868; Apr. 27.
Conveyer. V. Whiteside. 1,582,107; Apr. 27.
Conveyer, Elevating. A. J. Knapp. 1,582,277; Apr. 27.
Cooling apparatus. J. D. Strobell. 1,582,192; Apr. 27.
Corn husker. A. Rosenthal. 1,582,542; Apr. 27.
Corn-popping machine. W. D. Root. 1,582,306; Apr. 27.
Corner fastening. F. Kusterle. 1,582,829; Apr. 27.
Corrugated board, Apparatus for producing. H. A. Cumfer. 1,582,579; Apr. 27.
Corrugated board and product produced thereby, Forming a. H. A. Cumfer. 1,582,580; Apr. 27.
Cotton machines, Trumpet for. A. J. Blackwood. 1,582,159; Apr. 27.
Counterpoise. B. P. Joyce. 1,582,760; Apr. 27.
Coupler. J. B. Stewardson. 1,582,799; Apr. 27.
Coupling: *See*—
Impulse coupling.
Coupling. H. C. Zimmerman. 1,582,206; Apr. 27.
Coupon. H. F. Schwarz. Des. 70,030; Apr. 27.
Cracker caddy. H. R. Bliss. 1,582,375; Apr. 27.
Cradle. S. Cipresso. 1,582,510; Apr. 27.
Crane. R. W. Kaltenbach. 1,582,274; Apr. 27.
Crank case-draining device. H. A. Jones. 1,582,758; Apr. 27.
Cuff button, Separable. C. G. Armstrong. 1,582,864; Apr. 27.
Cultivator. P. J. Rasmussen. 1,582,082; Apr. 27.
Cultivators, Vine-turner attachment for. J. B. McCready. 1,582,414; Apr. 27.
Cup dispenser, Collapsed-. C. Barbieri. 1,582,661; Apr. 27.
Curb. G. H. Swanton and A. F. Echberg. 1,582,557; Apr. 27.
Current-collecting device. C. F. Wagner. 1,582,712; Apr. 27.
Cutter: *See*—
Ice-cream cutter. Meat cutter.
Cutter. L. W. Richardson. 1,582,787; Apr. 27.
Dehorning device. J. F. Drilling. 1,582,643; Apr. 27.
Demountable wheel. L. Fine. 1,582,515; Apr. 27.
Dental castings, Preparing molds for. F. C. Montuori. 1,582,294; Apr. 27.
Dephlegmator. G. Egloff and H. P. Benner. 1,582,588; Apr. 27.
Derricks, Oiler for. N. A. Riggin. 1,582,432; Apr. 27.
Designs, prints, pictures, etc., Composition for reproducing. G. Gustin and W. J. Gustin. 1,582,136; Apr. 27.
Detector. B. Trivus. 1,582,194; Apr. 27.
Die. H. J. Woodall and W. B. Richards. 1,582,204; Apr. 27.
Die wrench. H. Burkeybile. 1,582,572; Apr. 27.
Diesel engine. F. Schültz. 1,582,792; Apr. 27.
Dipper bucket. E. E. Crane. 1,582,577; Apr. 27.
Direction indicator. H. R. Schuler. 1,582,087; Apr. 27.
Disks, Straightening tapered. E. G. Budd. 1,582,571; Apr. 27.
Dish holder. P. T. Potts. Des. 70,029; Apr. 27.
Dish or similar article, Metal. S. W. Farber. Des. 69,990; Apr. 27.
Dispensing apparatus, Sanitary. H. B. Cooley. 1,582,451; Apr. 27.
Display easel, Package-. A. B. Stevens. 1,582,355; Apr. 27.
Display panel, Color-. H. B. Payne. Des. 70,028; Apr. 27.
Display rack, Bedstead-. S. W. Womack. 1,582,366; Apr. 27.
Displaying device, Candy containing and. A. M. Stryker. 1,582,703; Apr. 27.
Divider board. J. Hughes. 1,582,753; Apr. 27.
Doll. G. H. Parsons. 1,582,778; Apr. 27.
Dolls and the like, Eyes for. W. J. Wisch. 1,582,364; Apr. 27.
Door catch. J. C. Griffin. 1,582,265; Apr. 27.
Door-heating mechanism, Furnace-. F. T. Cope. 1,582,128; Apr. 27.
Door holder. A. P. Vandrey. 1,582,561; Apr. 27.

Door holder and latch. De W. C. Lambson. 1,582,615; Apr. 27.
Door opening and closing mechanism. P. J. Tracy. 1,582,805; Apr. 27.
Door-operating structure. H. C. Pumphrey. 1,582,784; Apr. 27.
Dough mixer. M. Szür. 1,582,801; Apr. 27.
Draft-preventing device. E. E. Richardson. 1,582,876; Apr. 27.
Drawer guide. E. Stuck. 1,582,556; Apr. 27.
Drawing and spinning frames, Roller-bearing pressing roller for. J. S. Hoyle. 1,582,752; Apr. 27.
Drawing guide. H. J. Moeckel. 1,582,185; Apr. 27.
Drives, Friction drive for. E. E. Berry. 1,582,665; Apr. 27.
Drill. R. C. Grubb. 1,582,680; Apr. 27.
Drilling machine, Radial. R. H. Rausch. 1,582,688; Apr. 27.
Drilling tool, Roller-bits. C. R. Brutus. 1,582,332; Apr. 27.
Drugs insoluble in water, Injectable solutions of. E. S. Faust. 1,582,456; Apr. 27.
Drum construction. R. M. Snell. 1,582,489; Apr. 27.
Drying coagulable liquids, Process and apparatus for. E. Hopkinson and R. P. Rose. 1,582,604; Apr. 27.
Dump-body lifter. A. H. Fager. 1,582,740; Apr. 27.
Dust-cap means. C. A. Zarebsky. 1,582,862; Apr. 27.
Dyestuff and making same, Vat. G. Kränzlein, H. Greune, R. Sedlmayr, and H. Vollmann. 1,582,475; Apr. 27.
Earrings, Safety guard for. K. M. Connally. 1,582,383; Apr. 27.
Easel. H. P. Hanson. 1,582,599; Apr. 27.
Educational appliance. F. L. Whitehead. 1,582,810; Apr. 27.
Electric circuits, Switch for. V. Breeze. 1,582,376; Apr. 27.
Electric coffee urn. J. Cantor. 1,582,165; Apr. 27.
Electric-lighting fixtures, Bracket for. I. Kranz. Des. 70,001; Apr. 27.
Electric-lighting fixtures, Plate for. I. Kranz. Des. 69,999; Apr. 27.
Electric machinery, Dynamo-. C. A. Parsons and J. Rosen. 1,582,427; Apr. 27.
Electric oscillations, Generating. H. C. Snook and J. B. Johnson. 1,582,270; Apr. 27.
Electric socket structure. M. Herskovitz. 1,582,602; Apr. 27.
Electric switch. W. J. Maddox. 1,582,064; Apr. 27.
Electric switch. F. G. von Hoorn. 1,582,711; Apr. 27.
Electric switch fuse. R. W. Gregory. 1,582,215; Apr. 27.
Electrical measuring instrument. B. H. Smith. 1,582,699; Apr. 27.
Electrical resistance material. J. S. Nowotny. 1,582,141; Apr. 27.
Electrode. V. Yngve. 1,582,567; Apr. 27.
Electrodes, Terminal connection for. E. J. Reich. 1,582,691; Apr. 27.
Elevator-door lock. H. T. Krog. 1,582,613; Apr. 27.
Elevator-signaling box. K. D. Lighthipe. Des. 70,018; Apr. 27.
Emblem or similar article. A. C. Dittrich. Des. 69,988; Apr. 27.
Engine: *See*—
Diesel engine. Steam engine.
Internal-combustion engine.
Engine-starter drive. H. H. Trail. 1,582,493; Apr. 27.
Engines, Carburetor for internal-combustion. M. C. Morris. 1,582,187; Apr. 27.
Engines, Control of carburetors for internal-comustion. M. J.-B. Barbarou. 1,582,239; Apr. 27.
Engines, Cooling system for internal-combustion. J. V. Giesler. 1,582,462; Apr. 27.
Engines, Cylinder for internal-combustion. I. E. Aske. 1,582,370; Apr. 27.
Engines, Fuel-vapor conductor for internal-explosion. I. E. Aske. 1,582,369; Apr. 27.
Engines, Oil trough for internal-combustion. P. B. Haskell. 1,582,041; Apr. 27.
Engines or gasoline motor cars, Lighting equipment and starting arrangement for gasoline. W. L. Bliss. Re16,334; Apr. 27.
Engines, Valve for square-piston. C. C. Hansen. 1,582,464; Apr. 27.
Engines, Vaporizer for internal-combustion. R. M. Anderson. 1,582,654; Apr. 27.
Envelope-sealing machine. J. H. Byerley. 1,582,248; Apr. 27.
Evaporating separations, Process of and apparatus for multiple-effect. H. K. Moore. 1,582,066–7; Apr. 27.
Exhaust ventilator. E. L. Ford. 1,582,592; Apr. 27.
Expansible-chamber motor. F. A. Adams. 1,582,022; Apr. 27.
Expansion joint. R. B. Crabbs. 1,582,638; Apr. 27.
Expansion joint. A. C. Fischer. 1,582,880; Apr. 27.
Exterminator, Potato-beetle. G. Fratzke. 1,582,744; Apr. 27.
Fabric and making same, Coated. J. H. Mason. 1,582,416; Apr. 27.
Face protector or shield. S. L. Burstyn. 1,582,164; Apr. 27.
Fan suction ventilator. D. Beck. 1,582,373; Apr. 27.
Feeding system, Fuel-. F. G. Folberth. 1,582,212; Apr. 27.
Fence. J. H. Carlson. 1,582,574; Apr. 27.
Fence, post-preserving device. A. P. Davis. 1,582,168; Apr. 27.
Fender: *See*—
Car fender.
Fencing wires and the like, Means for securing or coupling the ends of. H. A. Symes and V. G. Symes. 1,582,095; Apr. 27.
Festooning machine. S. M. Ford. 1,582,457; Apr. 27.
Films, Treatment of waste cinematograph. D. B. Macdonald. 1,582,847; Apr. 27.
Filter trap. N. N. Shepherd. 1,582,859; Apr. 27.
Finger ring. J. H. Meyer. Des. 70,023; Apr. 27.
Firearms, Sighting rib for. B. S. McIntosh. 1,582,063; Apr. 27.
Fire-box door. E. J. Bring. 1,582,160; Apr. 27.
Fire extinguisher. R. W. Austin. 1,582,724; Apr. 27.
Fireplace, Portable. G. E. Crawford. 1,582,737; Apr. 27.
Fish lure. J. T. Welch. 1,582,713; Apr. 27.
Fishing lure. B. F. Wilder. 1,582,716; Apr. 27.
Fishing-pole attachment. G. W. Van Blarcom. 1,582,196; Apr. 27.
Fishing tool. J. M. Sauls. 1,582,485; Apr. 27.
Flavanthrone, Recovery of antimony in the manufacture of. W. A. Adamson and P. W. Carleton. 1,582,328; Apr. 27.
Flexible drive. R. Siegfried. 1,582,698; Apr. 27.
Floor construction. T. J. Foster. 1,582,172; Apr. 27.
Floor construction, Fireproof. T. J. Foster. 1,582,173; Apr. 27.
Flooring and siding tool. J. Long. 1,582,837; Apr. 27.
Floors, Removing finish coatings from. R. E. Nash. 1,582,773; Apr. 27.
Fluid-actuated apparatus, Lubricator for. J. W. Arnold. 1,582,368; Apr. 27.
Flying machine. A. Mraula. 1,582,482; Apr. 27.
Folding table. H. W. Carpenter and R. V. Ligon. 1,582,380; Apr. 27.
Folding table. C. F. Jennings. 1,582,756; Apr. 27.
Food cover. M. Neighbauer. 1,582,296; Apr. 27.
Foods and other substances with rays, Machine for treating. F. E. Goodall. 1,582,677; Apr. 27.
Foot rest. C. S. Smith. 1,582,700; Apr. 27.
Foot rest, Shoe-shining. R. W. Anselm. 1,582,115; Apr. 27.
Footwear, Article of. T. Davis. Des. 69,987; Apr. 27.
Fork and tray, Combination. A. E. Lindstrom. 1,582,337; Apr. 27.
Formamid, Production of. R. Fick. 1,582,675; Apr. 27.
Frame: *See*—
Separable frame.
Fruit gatherer. A. C. Wolken. 1,582,365; Apr. 27.
Fruit-juice extractor and strainer. H. Baum. 1,582,156; Apr. 27.
Fuel economizer. G. B. Roberts. 1,582,621; Apr. 27.
Fuel, Feeding apparatus for pulverized. H. D. Bowman. 1,582,446; Apr. 27.
Fuel-feeding device. R. Lillie. 1,582,834; Apr. 27.
Fuel, Motor. Y. Nikaido. 1,582,420; Apr. 27.
Fuel-saving device. N. J. Russell. 1,582,349; Apr. 27.
Furnace: *See*—
Annealing furnace. Wall furnace.
Heating furnace.
Furnace regulation. G. H. Gibson. 1,582,392; Apr. 27.
Furnace regulation. G. H. Gibson. 1,582,648; Apr. 27.
Furnaces, Damper-actuating mechanism for. B. McClelland. 1,582,413; Apr. 27.
Furnaces, Hanging arch for. G. A. Kellner. 1,582,275; Apr. 27.
Game. D. A. Smith. 1,582,796; Apr. 27.
Game apparatus. J. W. Weaver. 1,582,150; Apr. 27.
Game device. A. T. Voelker. 1,582,104; Apr. 27.
Garbage-can receptacle. J. Videtta. 1,582,807; Apr. 27.
Garment. H. C. Dauphinais. 1,582,385; Apr. 27.
Garment and laundry press. P. N. Braun. 1,582,243; Apr. 27.
Garment, Combination. N. Hatch. 1,582,815; Apr. 27.
Garment-trimming material. P. E. Brown. 1,582,161; Apr. 27.
Garter-display means. H. F. Goldsmith. 1,582,463; Apr. 27.
Gas burner. H. C. Caldwell. 1,582,634; Apr. 27.
Gas burners, Safety pilot and cut-off device for. H. V. Payne. 1,582,190; Apr. 27.
Gas-filled spaces, Safety device for. P. Hausmeister. 1,582,398; Apr. 27.
Gas generator. E. E. Laun and R. E. Tullgren. 1,582,832; Apr. 27.
Gas-tank-locking device. J. S. Biddle. 1,582,627; Apr. 27.
Gases, Apparatus for electrical precipitation of suspended material from. E. Zopf. 1,582,499; Apr. 27.
Gathering mechanism. J. S. Burch. 1,582,247; Apr. 27.
Gauge: *See*—
Shingle gauge. Truing gauge.
Gear, Boat-releasing. H. J. Ferguson. 1,582,741; Apr. 27.
Gear, Change-speed. A. Laub. 1,582,480; Apr. 27.
Gear, Hoist driving. R. F. Page. 1,582,075; Apr. 27.
Gear-shifting mechanism. J. W. Parker. 1,582,078; Apr. 27.
Gear, Trawling. R. L. M. Danlélou and J. J. Verhoëven. 1,582,641; Apr. 27.
Gear, Trawling. J.-B.-J.-A. Vigneron. 1,582,710; Apr. 27.
Gelatin material, Preparing sheet. W. Hoskins. 1,582,605; Apr. 27.

Generating machine, Worm-wheel. E. Buckingham. 1,582,632; Apr. 27.
Generator: *See*—
Gas generator.
Glass and apparatus for carrying on this process, Manufacturing. F. Trapschuh. 1,582,560; Apr. 27.
Glass container. C. Hammer. 1,582,681; Apr. 27.
Glass-cutting machine. J. B. Greer. 1,582,679; Apr. 27.
Glass feeder. A. R. Bethel and J. H. Williams. 1,582,725; Apr. 27.
Glass in the manufacture of sheet glass by vertical drawing, Controlling the temperature of cast. E. Delacuvellerie. 1,582,132; Apr. 27.
Glass, Method and apparatus for annealing and cooling sheet. O. A. Wells. 1,582,496; Apr. 27.
Glass plates, Grinding and polishing. L. von Reis. 1,582,808; Apr. 27.
Glazings and the like, Retainer for. E. H. Bristol. 1,582,865; Apr. 27.
Goggles. G. Ratti. 1,582,785; Apr. 27.
Golf-club head, Metallic. A. C. Link. 1,582,836; Apr. 27.
Golf game. E. D. Angell. 1,582,237; Apr. 27.
Gradient in a conductor, Controlling the potential. D. R. Lovejoy. 1,582,060; Apr. 27.
Grate stoker, Roller-. J. W. Petterd. 1,582,303; Apr. 27.
Grinding burr. J. Holland-Letz. 1,582,819; Apr. 27.
Grinding machine. W. Law. 1,582,481; Apr. 27.
Grinding machines and the like, Fluid-pressure controlling and reversing mechanism for. J. N. Heald and W. J. Guild. 1,582,468; Apr. 27.
Grinding wheel, Sectional. E. R. Hyde. 1,582,608; Apr. 27.
Gummed strip. B. G. Bundy. 1,582,449; Apr. 27.
Gun, Bolt. R. G. Packard, jr. 1,582,533; Apr. 27.
Guns, especially for short rifles, Butt cap for. R. Haemmerli. 1,582,395; Apr. 27.
Hair drier, Combined casing and support for. W. Meyer. Des. 70,024; Apr. 27.
Hair-waving device. J. N. Brenner. 1,582,244; Apr. 27.
Hair-waving device. H. Jacobs. 1,582,220; Apr. 27.
Half lap. D. B. Winter. 1,582,110; Apr. 27.
Hammer, Hand. A. Reichling. 1,582,305; Apr. 27.
Hammer mechanism, Spring-shank. H. A. Ballard. 1,582,625; Apr. 27.
Hammer, Pneumatic. S. Kusunoki. 1,582,614; Apr. 27.
Hanger: *See*—
Clothes hanger. Rod hanger.
Coat hanger. Sucker-rod hanger.
Pipe hanger.
Harrow and soil pulverizer, Rotary. N. H. Krizer. 1,582,827; Apr. 27.
Hat. S. Avin. 1,582,812; Apr. 27.
Hat receptacle and press. W. T. Tuten. 1,582,102; Apr. 27.
Headlight. A. Q. Heines. 1,582,138; Apr. 27.
Headlights, Antiglare attachment for. J. F. Wood. 1,582,326; Apr. 27.
Heat-distributing device. C. W. Dugger. 1,582,738; Apr. 27.
Heater: *See*—
Radiant heater. Water heater.
Heating furnace. F. T. Cope. 1,582,127; Apr. 27.
Heel, Rubber. D. D. Smith. 1,582,229; Apr. 27.
Hinge. J. Soss. 1,582,701; Apr. 27.
Hoist. R. F. Page. 1,582,076; Apr. 27.
Holder. O. D. Willis and E. W. Felix. 1,582,108; Apr. 27.
Hook: *See*—
Safety hook.
Humidifier. P. Viviano. 1,582,197; Apr. 27.
Hydrocarbon burner. M. E. Olson and V. C. Olson. 1,582,619; Apr. 27.
Hydrocarbon, Obtaining a light. W. Landes. 1,582,764; Apr. 27.
Hydroelectric station, Automatic. R. J. Wensley. 1,582,715; Apr. 27.
Ice-cream cutter. V. Vitullo. 1,582,103; Apr. 27.
Ice, Method of and apparatus for making sheet. G. L. Bennetts. 1,582,158; Apr. 27.
Identifying device. M. P. Exline. 1,582,589; Apr. 27.
Ignition device, Convertible single and double. W. F. Wagner. 1,582,360; Apr. 27.
Illuminating device. J. Stanley. 1,582,437; Apr. 27.
Impregnated sheets, Process and apparatus for forming. C. B. Stevens. 1,582,491; Apr. 27.
Impulse coupling. E. B. Nowosielski. 1,582,422; Apr. 27.
Index, Card. G. H. Pegram. 1,582,535; Apr. 27.
Index cards, Typewriter platen for. C. Gabrielson. 1,582,031; Apr. 27.
Indicator: *See*—
Direction indicator. Pressure-controlled indicator.
Liquid-level indicator.
Inoculating device. D. A. Legg and C. W. Hancock. 1,582,409; Apr. 27.
Insect destroyer. W. W. and G. Harwood. 1,582,466; Apr. 27.
Internal-combustion engine. M. A. Bolton. 1,582,241; Apr. 27.
Internal-combustion engine. M. A. Broadbere and J. W. Costello. 1,582,377; Apr. 27.
Internal-combustion engines. T. Lafitte. 1,582,763; Apr. 27.
Internal-combustion engine. W. F. Vallier. 1,582,195; Apr. 27.
Internal-combustion engine, Air-cooled. L. M. Stellmann and R. Murphy. 1,582,314; Apr. 27.
Iron: *See*—
Roller iron.
Iron from iron-containing minerals, Electrodepositing. M. Okochi and M. Hanaoka. 1,582,423; Apr. 27.
Ironing comb. I. L. Wolkow. 1,582,151; Apr. 27.
Jack and wire stretcher, Combined. J. W. Cherry. 1,582,119; Apr. 27.
Joint: *See*—
Expansion joint. Universal joint.
Rail joint.
Kit, First-aid. C. E. Jones. 1,582,823; Apr. 27.
Knitting machine. J. H. Zens. 1,582,327; Apr. 27.
Knitting machine of the Raschel or Chaine type. J. E. Philippe. 1,582,779; Apr. 27.
Knob. D. S. Bartlett. 1,582,502; Apr. 27.
Ladder for fire trucks, Power-driven and power-actuated extension. C. W. Smith and E. L. Thompson. 1,582,793; Apr. 27.
Ladder, Telescoping extension. C. W. Smith and E. L. Thompson. 1,582,794; Apr. 27.
Lamp base. H. A. Williams. Des. 70,042–5; Apr. 27.
Lamp front, Legend-changing. C. E. Godley. 1,582,676; Apr. 27.
Lamp, Loud-speaker. E. A. Shankweiler. Des. 70,033; Apr. 27.
Lamp mounting. A. J. Kollman. Des. 69,998; Apr. 27.
Lamp, Signal. C. D. Ryder. 1,582,808; Apr. 27.
Lamp, Quartz. K. Mensing. 1,582,849; Apr. 27.
Land leveler and road maintainer. J. H. Corbitt. 1,582,384; Apr. 27.
Lapping machine. J. N. Bethel. 1,582,207; Apr. 27.
Latch device for refrigerator and like doors. T. O. Schrader. 1,582,884; Apr. 27.
Latch, Hood. C. B. Gilmore. 1,582,261; Apr. 27.
Lath-cutting machine. H. A. Dunbar. 1,582,027; Apr. 27.
Lathes, Screw-thread cutting means for bench. H. E. Durkee. 1,582,669; Apr. 27.
Lathes, Speed-reducing face plate for. W. E. Ingham. 1,582,821; Apr. 27.
Lathes, Tool holder for. J. M. Palmer. 1,582,077; Apr. 27.
Laundry pin. A. Gudmundsen and F. E. Dole. 1,582,175; Apr. 27.
Leather, Manufacture and treatment of. O. Walter. 1,582,495; Apr. 27.
Leather strips and died-out pieces, Machine for grading. E. P. Nichols. 1,582,140; Apr. 27.
Lens-grinding machinery. W. G. Doley. 1,582,513; Apr. 27.
Lens-grinding machines, Bench for. C. J. Troppman. 1,582,100; Apr. 27.
Lens measure. A. E. Demers. 1,582,133; Apr. 27.
Level. J. R. Stowell. 1,582,149; Apr. 27.
Lifeboats, Releasable hook for. A. W. Lyda. 1,582,062; Apr. 27.
Lifter: *See*—
Dump-body lifter.
Lighter. M. H. Shoenberg and L. Schon. 1,582,145; Apr. 27.
Lighting fixture. S. G. Hibben. 1,582,817; Apr. 27.
Lighting fixture. I. Kranz. Des. 70,000; Apr. 27.
Lighting fixture, Electric-. E. A. Gillinder. 1,582,649; Apr. 27.
Lighting fixtures, Banding for. C. de Q. Whittle. Des. 70,040–1; Apr. 27.
Lighting fixtures, Finial for. G. E. Villaret. Des. 70,037; Apr. 27.
Lighting fixtures, Knob for. G. E. Villaret. Des. 70,038; Apr. 27.
Lighting fixtures, Plate for. C. de Q. Whittle. Des. 70,039; Apr. 27.
Lighting post, Street-. J. F. Ne Page. Des. 70,027; Apr. 27.
Lightning-arrester construction. L. S. Brach. 1,582,330; Apr. 27.
Lignite-distillation apparatus. J. E. Neumaier. 1,582,297; Apr. 27.
Liquid-fuel burner. H. C. Little. 1,582,059; Apr. 27.
Liquid-level indicator. E. Ryder. 1,582,085; Apr. 27.
Liquids, Automatic mixing and discharging system for plural. I. W. Knight. 1,582,278–9; Apr. 27.
Liquids, Cooler for. J. M. McDonald. 1,582,181; Apr. 27.
Lock: *See*—
Bolt and nut lock. Switch-stand-handle lock.
Elevator-door lock. Transmission lock.
Motor-vehicle lock. Wheel lock.
Nut lock. Window lock.
Pedal lock.
Lock. A. Bodenschatz. 1,582,791; Apr. 27.
Lock. J. König. 1,582,054; Apr. 27.
Lock. F. Schaum and J. F. Schmauk. 1,582,790; Apr. 27.
Lock. J. F. Schmauk. 1,582,789; Apr. 27.
Lock combination. L. D. Gibson. 1,582,393; Apr. 27.
Locomotive fire boxes, Flue-sanding apparatus for. A. H. Willett. 1,582,203; Apr. 27.
Locomotives, Valve gear for. E. O. Elliott. 1,582,877; Apr. 27.
Loom. W. J. Lotton. 1,582,526; Apr. 27.
Loom shuttle. C. H. Wilkinson. 1,582,565; Apr. 27.

Looms, Harness motion for. J. Northrop. 1,582,421; Apr. 27.
Looms, Thread cutter and revoker for automatic. O. C. Hinson. 1,582,818; Apr. 27.
Loud speaker. T. W. Kirkman. 1,582,761; Apr. 27.
Loud-speaking receiver. H. E. Metcalf. 1,582,417; Apr. 27.
Lubricating system. P. C. Elliott. 1,582,253; Apr. 27.
Lubricator: *See*—
Bearing lubricator.
Lug cap and liner plate, Combined. C. Hammer. 1,582,682; Apr. 27.
Machine tool, Vertical automatic turning and like. F. E. Ryder. 1,582,484; Apr. 27.
Manhole, sewer-well, and catch-basin structure. E. S. Snooke. 1,582,191; Apr. 27.
Manuscript case. R. M. Hansen. 1,582,397; Apr. 27.
Marshmallow-beating machine. E. M. Chase. 1,582,509; Apr. 27.
Massage vibrator. J. Lanz. 1,582,479; Apr. 27.
Measuring machine, Foot and last. H. E. Clarke. 1,582,636; Apr. 27.
Meat cutter. G. B. Runyan. 1,582,483; Apr. 27.
Metal and other surfaces, Coating. J. K. Wirth. 1,582,606; Apr. 27.
Metal feeder, Automatic. B. R. Turner and R. L. Higginbotham. 1,582,101; Apr. 27.
Metal mold. J. L. Dostal. 1,582,169; Apr. 27.
Metal receptacle and making same. S. Ringer. 1,582,541; Apr. 27.
Metal-working machine. J. K. Cullen. 1,582,639; Apr. 27.
Metallic halide from hydrocarbon sludges, Recovering a. P. S. Danner. 1,582,131; Apr. 27.
Metals, Apparatus for treating impure molten. H. Harris. 1,582,038; Apr. 27.
Metals, Electroplating. A. Mohn. 1,582,617; Apr. 27.
Metals, Uniting. G. D. Bagley. 1,582,024; Apr. 27.
Metals, Treating impure molten. H. Harris. 1,582,037; Apr. 27.
Meters, Saturation compensation for. D. J. Angus. 1,582,658; Apr. 27.
Milk bottles, Holder for. G. Chiarcossi. 1,582,732; Apr. 27.
Mill: *See*—
Pulverizing mill.
Mine-sweeping apparatus. G. E. Ella. 1,582,388; Apr. 27.
Mines, Method of and apparatus for working. W. H. Lesser and R. L. Suender. 1,582,411; Apr. 27.
Miter box. A. McMillan. 1,582,616; Apr. 27.
Mitering machine. F. Hanemann. 1,582,396; Apr. 27.
Mixer: *See*—
Dough mixer.
Mold: *See*—
Metal mold.
Mold power, Manufacturing. K. Müller. 1,582,343; Apr. 27.
Mold structure. E. C. Stacy. 1,582,092; Apr. 27.
Molding and annealing glass, Apparatus for. W. G. Clark. 1,582,335; Apr. 27.
Molding plastic material, Die for molding. C. B. Wells. 1,582,714; Apr. 27.
Mortar-mixing machine. O. C. Talbot and A. Flood. 1,582,357; Apr. 27.
Mortuary table, surgeon's operating table, and the like. J. L. Murphy. 1,582,419; Apr. 27.
Motor: *See*—
Expansible-chamber motor.
Motor vehicle lock. O. A. Anderson. 1,582,236; Apr. 27.
Motors, Casing for electric. H. Dalton. 1,582,640; Apr. 27.
Motors, Pressure-controlled indicator for. A. Zelher and J. E. Zelher. 1,582,154; Apr. 27.
Mouthpiece, Convertible scrubber standpipe and retort. F. S. Cook. 1,582,167; Apr. 27.
Musical-instrument knobs, Milling machine for. E. J. Gulick. 1,582,870; Apr. 27.
Musical instruments and making the same, Sounding board for. A. Vredenburgh. 1,582,564; Apr. 27.
Nails, Machine for distributing and driving. G. Parks. 1,582,534; Apr. 27.
Name plate. H. W. Peters. 1,582,083; Apr. 27.
Naphthalene, Hydrogenation of. G. Schroeter. 1,582,310; Apr. 27.
Neck piece. H. M. Taylor. 1,582,558; Apr. 27.
Nozzle, Combined valve and dispersal hydraulic. O. A. Price. 1,582,782; Apr. 27.
Nozzle for urinals, Flushing-valve. W. Sherwood. 1,582,488; Apr. 27.
Nut lock. W. Thompson. 1,582,193; Apr. 27.
Nut, Rim. C. Noll. 1,582,530; Apr. 27.
Nut, Twin packing. W. A. Rhodes. 1,582,786; Apr. 27.
Obstetrical appliance. E. F. Alleyne. 1,582,653; Apr. 27.
Oil burner. I. E. Smith. 1,582,552; Apr. 27.
Oil burner. J. Squires. 1,582,091; Apr. 27.
Oil burner and control means. C. W. Stancliffe. 1,582,490; Apr. 27.
Oil-cracking operations, Apparatus for hydrocarbon-. K. V. King. 1,582,407; Apr. 27.
Oil-gas burner. U. S. Weddington. 1,582,106; Apr. 27.
Oil, Hydraulic system for storing, handling, and delivering. W. J. Peter. 1,582,855; Apr. 27.
Oil, Preparing soluble. D. R. Frizell. 1,582,257; Apr. 27.
Oil tanks, Charging means for. W. J. Peter. 1,582,856; Apr. 27.
Oil-waste retainer. O. B. Deatley. 1,582,251; Apr. 27.
Oiler, Spring. W. H. Brown. 1,582,163; Apr. 27.
Oiling device. A. O. Carpenter. 1,582,120; Apr. 27.
Oils, Apparatus for treating hydrocarbon. C. P. Dubbs. 1,582,585; Apr. 27.
Oils, Castor machine. D. R. Frizell. 1,582,258; Apr. 27.
Oils, Preparing castor machine. L. L. Rebber. 1,582,227; Apr. 27.
Optical display device. F. P. Walters. 1,582,199; Apr. 27.
Ores and concentrates, Sulphating process for. J. B. Read. 1,582,347; Apr. 27.
Orthodontic appliance. A. C. Brust. 1,582,570; Apr. 27.
Oscillations, System for recording acoustic and other. S. O. F. A. son Berglund. 1,582,374; Apr. 27.
Oscillator, High-frequency. R. D. Fay. 1,582,590; Apr. 27.
Outlet-box support. D. Luckwaldt, S. L. Katz, and F. Grossmann. 1,582,287; Apr. 27.
Oven, Cooking. M. S. Owen. 1,582,532; Apr. 27.
Oven, Distilling. O. Lasche and C. Geissen. 1,582,650; Apr. 27.
Oven-rack shifter. G. W. Rowden. 1,582,543; Apr. 27.
Ovens and the like, Metal door for. W. C. Lindemann. 1,582,835; Apr. 27.
Overhead feed and vent wash fountain. L. Schlesinger and H. E. Heine. 1,582,548; Apr. 27.
Oxyacetylene or other suitable jet process, Cutting by means of the. A. Godfrey. 1,582,033; Apr. 27.
Package seal. C. Bart. 1,582,444; Apr. 27.
Packing. W. H. Vogel. 1,582,562; Apr. 27.
Packing box, Reenforced. P. N. Curtis. 1,582,885; Apr. 27.
Pail, Dinner. J. P. López and W. L. Ward. 1,582,338; Apr. 27.
Paper, Apparatus for crinkling. W. A. Lorenz. 1,582,843; Apr. 27.
Paper-box-making machinery. D. Wrigley. 1,582,205; Apr. 27.
Paper corrugating. W. A. Lorenz. 1,582,841; Apr. 27.
Paper crinkling. W. A. Lorenz. 1,582,840; Apr. 27.
Paper-crinklin machine. W. A. Lorenz. 1,582,839; Apr. 27.
Paper, Elastic. W. A. Lorenz. 1,582,842; Apr. 27.
Paper-folding machine. H. A. Selfridge. 1,582,486; Apr. 27.
Paper machines, Control of belt tension. F. W. Warren. 1,582,322; Apr. 27.
Paper making. W. A. Lorenz. 1,582,838; Apr. 27.
Paper-making machine. J. A. Devine. 1,582,583; Apr. 27.
Paper pulp from raw stock, Producing. C. W. Shartle. 1,582,351; Apr. 27.
Paper pulp, Producing. E. Lambert and W. E. Mathews. 1,582,336; Apr. 27.
Parachutes, Folding. S. Wiley. 1,582,202; Apr. 27.
Parchment and making the same, Artificial. J. T. van der Gracht. 1,582,319; Apr. 27.
Pedal lock. E. B. Wilkerson. 1,582,498; Apr. 27.
Pen or similar article, Fountain. N. Crowther. Des. 69,985; Apr. 27.
Petroleum, Distillaton of crude. E. M. Clark. 1,582,123; Apr. 27.
Petroleum emulsions, Dehydrator for. E. F. Hurst. 1,582,404; Apr. 27.
Pharmaceutical product, Manufacture of a. A. Thiele. 1,582,802; Apr. 27.
Phenols and cresols, Recovery of. R. M. Crawford. 1,582,512; Apr. 27.
Phonographs, Automatic starting and stopping device for. A. L. Howard. 1,582,606; Apr. 27.
Photographic print-out paper and prints made therefrom. J. A. Johnson. 1,582,050; Apr. 27.
Photoprinting and numbering device, Automatic. B. F. Mikesell and H. F. Gilliam. 1,582,339; Apr. 27.
Photoprinting machine. R. Baaralian. 1,582,371; Apr. 27.
Pianoforte. H. Focké and F. Marin. 1,582,030; Apr. 27.
Picture apparatus, Motion-. P. S. Gauriat. 1,582,032; Apr. 27.
Picture apparatus, Motion-. J. Marette. 1,582,065; Apr. 27.
Picture-projection process and apparatus. J. Levy. 1,582,179; Apr. 27.
Pin: *See*—
Laundry pin.
Pin, Breast. E. J. Sipes. Des. 70,034; Apr. 27.
Pin cutting and separating machine. W. B. Louthan. 1,582,768; Apr. 27.
Pipe. F. A. Edkelmans. 1,582,670; Apr. 27.
Pipe hanger. C. C. Tomkinson. 1,582,358; Apr. 27.
Pipe molds, Socket core for. J. H. Uhrig. 1,582,440; Apr. 27.
Pipes, Attachment for overflow. M. F. Rohischon. 1,582,228; Apr. 27.
Pipes, columns, and other hollow articles, means for the manufacture, centrifugally, of. K. Dundas. 1,582,586; Apr. 27.
Pipes, Detector for overheated. H. G. Kitto. 1,582,276; Apr. 27.
Piston. R. V. Palmer. 1,582,426; Apr. 27.
Piston, Locomotive. C. S. Anderson. 1,582,114; Apr. 27.
Piston-ring-controlling apparatus. W. Wuerfel. 1,582,719; Apr. 27.

Piston rings, Tool for compressing. R. R. Teetor. 1,582,316; Apr. 27.
Planetary transmission. F. J. Moore. 1,582,772; Apr. 27.
Plasterer's hand guard. J. I. Vinzant. 1,582,231; Apr. 27.
Plastic articles, Method of and apparatus for producing. A. J. N. Duclos. 1,582,026; Apr. 27.
Plate-molding machine, Storage-battery-. C. E. Dodson. 1,582,252; Apr. 27.
Pliers. K. E. Nordin. 1,582,071; Apr. 27.
Plow and conveyer, Snow. F. M. Polhamus. 1,582,875; Apr. 27.
Plow, Subsoil. A. L. Montgomery. 1,582,418; Apr. 27.
Plug connecter. L. E. Isele. 1,582,609; Apr. 27.
Pocket, Three-way. M. Ballin. 1,582,813; Apr. 27.
Pocketbooks, Detachable cardcase for. G. O. Tantlinger. 1,582,492; Apr. 27.
Polish-rod support. L. Loop. 1,582,767; Apr. 27.
Post: *See*—
Self-anchoring post.
Powder, Propellant. C. R. Franklin. 1,582,256; Apr. 27.
Power, Transmission. G. Constantinesco. 1,582,734; Apr. 27.
Press: *See*—
Garment and laundry press. Printing press.
Presses and shears, Pinching clutch for eccentric. L. Schull. 1,582,311; Apr. 27.
Print roller. F. P. Dustan. 1,582,453; Apr. 27.
Printing machine. A. B. Evans. 1,582,390; Apr. 27.
Printing machines, Device for automatically shifting the direction of feed of an ink ribbon in. H. Abbott. 1,582,651; Apr. 27.
Printing press. C. W. Harrold. 1,582,039; Apr. 27.
Printing press. W. Saxon. 1,582,547; Apr. 27.
Printing-press-control mechanism. Ed. Cheshire. 1,582,576; Apr. 27.
Projecting apparatus. J. Kamide and T. Imashiro. 1,582,824; Apr. 27.
Propeller, Variable-pitch. N. H. Cederquist. 1,582,166; Apr. 27.
Puller and binder, Cotton-stalk. J. A. Hunter. 1,582,403; Apr. 27.
Pulverizing mill. W. I. Raymond. 1,582,538; Apr. 27.
Pump, Circulating. K. Freitag. 1,582,647; Apr. 27.
Pump, Siphon. V. W. Helander. 1,582,399; Apr. 27.
Pumps, Walking-beam and sucker-rod connection for deep-well. G. A. Hart. 1,582,465; Apr. 27.
Punching machine. A. W. Grabo. 1,582,596; Apr. 27.
Putting green. H. E. Maurer. 1,582,183; Apr. 27.
Putty having a nitrocellulose oil base, Floor. A. M. Taylor and F. A. Boute. 1,582,705; Apr. 27.
Rack: *See*—
Display rack.
Radiant heater, Electric. V. G. Vaughan. 1,582,709; Apr. 27.
Radiator-locking cap. A. L. Sohm. 1,582,354; Apr. 27.
Radiator of a combustion engine, Means for indicating conditions within the. J. E. R. Hayes. 1,582,600; Apr. 27.
Radiator signal. R. P. McCurdy. 1,582,872; Apr. 27.
Radiator support. O. C. Little. 1,582,286; Apr. 27.
Radio apparatus. F. W. Hennessy. 1,582,042; Apr. 27.
Radiocoil and making same. F. T. Harmon. 1,582,683; Apr. 27.
Radio communication system. B. Rosenbaum. 1,582,695; Apr. 27.
Radio instruments and the like, Device for controlling and indicating the tuning of. E. R. Stoekle. 1,582,555; Apr. 27.
Radio-set cabinets, Housing the receiving loop in. C. H. Votey. 1,582,441; Apr. 27.
Radio telegraph system. J. B. Brady. 1,582,331; Apr. 27.
Radio telegraphy and telephony, System of. J. H. Hammond, jr. 1,582,177; Apr. 27.
Radio wave meter. P. T. Platt. 1,582,780; Apr. 27.
Radius-rod brace. R. L. Gallop. 1,582,593; Apr. 27.
Rail joint. P. P. Farrelly. 1,582,210; Apr. 27.
Railway crossings and the like, Safety device for. H. Monoski. 1,582,771; Apr. 27.
Ram-reciprocating mechanism. E. Wildhaber. 1,582,717; Apr. 27.
Range, Cooking. W. W. Woods. 1,582,152; Apr. 27.
Razor blade and holder. E. H. Clark. 1,582,124; Apr. 27.
Razor, Safety. D. H. Trevor. 1,582,707; Apr. 27.
Razor stropper. L. N. McFall. 1,582,873; Apr. 27.
Receptacles, Safety closure for. H. T. and H. H. Hipwell. 1,582,218; Apr. 27.
Recoil-regulating mechanism, Counter-. B. P. Joyce. 1,582,759; Apr. 27.
Recorder: *See*—
Time recorder.
Recorder. F. Pankau. 1,582,301; Apr. 27.
Records, Die for phonograph. L. G. Sylvester and C. B. Wells. 1,582,704; Apr. 27.
Reenforcing device. C. Drake. 1,582,584; Apr. 27.
Refrigerating apparatus. W. Burlingham, R. L. Lovell, and A. C. Denslow. 1,582,633; Apr. 27.
Refrigerating apparatus, Evaporator for. S. Otto and J. C. Jankus. 1,582,882; Apr. 27.
Regulator: *See*—
Window regulator.
Relay. W. C. Goodwin. 1,582,678; Apr. 27.
Resinous products of condensation from phenol and formaldehyde, Manufacture of. C. Kulas and C. Pauling. 1,582,056; Apr. 27.
Rheostat. E. R. Stoekle. 1,582,356; Apr. 27.
Rifle bullet. F. A. Fahrenwald. 1,582,673; Apr. 27.
Rim and felly. J. H. Wagenhorst. 1,582,494; Apr. 27.
Ring. M. Kronstadt. Des. 70,002; Apr. 27.
Ring. M. F. Madier and N. Milenko. Des. 70,020; Apr. 27.
Rod: *See*—
Sucker rod.
Roll cleaner. G. F. Andrews. 1,582,656; Apr. 27.
Roll-making machine, Half-moon-. M. Collis. 1,582,382; Apr. 27.
Roller iron. E. D. Campbell. 1,582,379; Apr. 27.
Roller mechanism. E. F. Dudley. 1,582,514; Apr. 27.
Rolling apparatus. K. J. Thompson. 1,582,559; Apr. 27.
Rolling machine. E. Higgins. 1,582,267; Apr. 27.
Roof connection. C. W. Flesch and W. J. Schmitt. 1,582,640; Apr. 27.
Roof structure. P. L. McKee. 1,582,288; Apr. 27.
Roofing material. N. P. Harshberger. 1,582,266; Apr. 27.
Rouge holder. R. W. Wilson. 1,582,443; Apr. 27.
Rubber article, Hollow. F. F. Brucker. 1,582,507; Apr. 27.
Rubber-tip-fastening device. S. Kielar. 1,582,521; Apr. 27.
Safety hook. W. A. O'Bannon. 1,582,345; Apr. 27.
Salt container, Cattle-. F. H. Ahlman. 1,582,723; Apr. 27.
Sawing- and trimming machine. W. S. Runnels. 1,582,307; Apr. 27.
Scaffold construction. M. F. Honan. 1,582,402; Apr. 27.
Screen and adjustable transparent ventilator, Combined. M. Wogan. 1,583,111; Apr. 27.
Screw cap. A. Podel. 1,582,429; Apr. 27.
Sedan cruiser. H. F. Norton. 1,582,072; Apr. 27.
Seed and fertilizer distributor. J. F. Stephens. 1,582,798; Apr. 27.
Self-anchoring post. M. E. Evans. 1,582,454; Apr. 27.
Separable frame. T. Nygaard. 1,582,298; Apr. 27.
Separating hafnium and zirconium. A. E. van Arkel and J. H. de Boer. 1,582,860; Apr. 27.
Separator: *See*—
Spiral separator.
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Shank stiffener. R. Davis. 1,582,642; Apr. 27.
Sharpener and wiper, Pencil. W. R. Briggs. 1,582,629; Apr. 27.
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CLASSIFICATION OF PATENTS

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Patents Nos. 1,582,886 to 1,583,766.

THE

OFFICIAL GAZETTE

OF THE

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Labels	26—No.	30,278 to No.	30,303, inclusive.
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Designs	44—No.	70,046 to No.	70,089, inclusive.
Patents	881—No.	1,582,886 to No.	1,583,766, inclusive.
Total	1,335		

Interference Notices.

U. S. Patent Office, *Washington, Apr. 17, 1926.*

Charles Smith, his assigns or legal representatives, take notice:

An interference having been declared by this office between the application for patent of Charles S. Barrell, 425 Beacon Street, Boston, Mass., and patent granted August 19, 1924, No. 1,505,440, to Charles Smith, 4 Garfield Avenue, Duluth, Minn., and a notice of such declaration sent by registered mail to said Smith at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Smith, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. Patent Office, *Washington, Apr. 14, 1926.*

Israel Shapiro, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 1,508,726, granted September 16, 1924, to Israel Shapiro, 2410 East Colfax Street, Denver, Colo., and the applications for patent filed by John Bailey Browning, 646 Hadden Avenue, Camden, N. J.; Daniel E. Jones, 4463 Pershing Avenue, St. Louis, Mo.; Walter Lytton, 1924 Lytton Building, Chicago, Ill.; Frederick K. Vreeland, 228 Orange Road, Montclair, N. J.; Alfred N. Goldsmith, 477 Gramatan Avenue, Mount Vernon, N. Y.; Louis P. Horning, jr., 27 South Broad Street, Elizabeth, N. J.; Raymond E. Schafer, 4264 South Western Avenue, Los Angeles, Calif.; Edwin S. Pridham and Peter L. Jensen, 2725 East Fourteenth Street, Oakland, Calif.; Edward B. Jordan, jr., 162 Hilton Avenue, Hempstead, N. Y.; Robert Gordon French, 517 South Wesley Avenue, Oak Park, Ill.; George L. Israel, 2045 Wendover Street, Pittsburgh, Pa.; William Harrison Cole, 9 Central Avenue, Newark, N. J.; Elmer H. Wilkinson, 948 Penobscot Building, Detroit, Mich.; Grover G. Rehfeld, 6218 Vernon Avenue, Chicago, Ill.; John H. Newman and Herman P. Pullwitt, Chicago Beach Hotel, Chicago, Ill., and 1004 South Highland Avenue, Oak Park, Ill., respectively. The notice of such declaration sent by registered mail to said Israel Shapiro at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Israel Shapiro, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation.

U. S. Patent Office, *Washington, Apr. 6, 1926.*

Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The F. W. Fitch Company, of Fifteenth and Walnut Streets, Des Moines, Iowa, to effect the cancellation of the trade-mark registration of Isidor Jacob Selkowitz, of 851 Tinton Avenue, New York, N. Y., No. 172,685, dated September 11, 1923. The records of this Office show that Rose Lieberman, doing business as Mirose Laboratories, is the assignee of said Selkowitz. The notice of such proceeding sent by registered mail to the assignee, Rose Lieberman, doing business as Mirose Laboratories, at her address of record, New York, The Bronx, New York, having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Rose Lieberman, doing business as Mirose Laboratories, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Changes in Classification.

Order No. 2,958, April 16, 1926, provides:

In *class 108, Roofs* (Division 33), abolish the following subclass, with its definition, the patents formerly contained in this subclass having been placed for the most part in various subclasses established in this order in class 268, Closure Operators, and in class 108, Roofs, subclass 16, Skylights:

Skylights

31 Operating devices.

Class 268, Closure Operators (Division 1), has been revised with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification.

Lists of subclasses with definitions may be seen in the Classification Division, Room 165.

102

Condition of Applications Under Examination at Close of Business April 23, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,716; Trade-Mark Division, 1,927. Oldest new case, Oct. 29, 1925; oldest amended, Nov. 2, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 6	Feb. 10	572
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 7	Jan. 7	560
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 2	Jan. 13	1,106
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Jan. 28	Jan. 5	565
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Nov. 25	†Nov. 27	930
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 31	Jan. 7	1,160
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 1	Feb. 2	816
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 11	Feb. 11	1,004
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	†Dec. 19	528
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 20	Jan. 26	954
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 6	Feb. 3	730
380	12. PIERCE, P. P., Machine Elements	Jan. 26	Jan. 28	609
164*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 9	Feb. 13	586
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 11	Jan. 13	883
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 12	Feb. 17	590
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 23	Jan. 21	897
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 14	Feb. 4	412
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 16	†Dec. 21	790
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Jan. 18	Feb. 19	484
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Jan. 25	Jan 29	743
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 11	Jan. 29	469
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 16	Jan. 26	616
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 19	Jan. 4	252
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 22	Feb. 12	496
314	25. LIGHTFOOT, J. R., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation: Assorting Solids.	Jan. 15	Jan. 25	842
238*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Oct. 29	†Nov. 2	805
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 24	Feb. 23	505
225	28. BENSON, A. R., Internal-Combustion Engines	Jan. 20	Feb. 6	853
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 10	†Nov. 12	1,037
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 1	Feb. 6	736
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 18	Feb. 16	829
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 1	Jan. 25	540
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 25	Feb. 23	783
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Nov. 4	†Nov. 6	700
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 9	Feb. 11	474
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 28	Jan. 28	1,002
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Jan. 18	Jan. 19	964
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 19	†Dec. 11	865
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 8	Feb. 2	460
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 30	Jan. 30	1,081
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Jan. 28	433
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 5	Jan. 30	961
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 15	Jan. 15	811
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Nov. 6	†Nov. 19	984
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Jan. 29	Feb. 4	475
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 9	Jan. 8	721
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 15	Jan. 27	1,044
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 14	†Nov. 19	1,642
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 10	Feb. 10	632
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 5	Jan. 6	1,233
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 24	†Dec. 24	1,756
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Nov. 16	†Nov. 23	809
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 11	Feb 16	712
102	DESIGNS: C. O. MARKHAM (Acting)	Mar. 31	Apr. 6	370
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, Jr. {Trade-Marks	Mar. 20	Apr. 9	1,518
	{Labels and Prints	Apr. 3	Apr. 19	109

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE THE GOODYEAR TIRE AND RUBBER COMPANY.

Decided December 7, 1925.

1. TRADE-MARKS—DESCRIPTIVE WORDS—MISDESCRIPTIVE WORDS—"CROSS RIB."

The words "Cross Rib" are descriptive of the goods if applied to an automobile tire having cross ribs on it and misdescriptive if applied to a tire without such ribs.

2. SAME—SAME—TRADE-MARK USE.

Merely because a tire having cross ribs has not been put on the market and in consequence these words may not appear to have been used in describing other forms of tire is not persuasive that appellant, if first to have used them, has used them in a trade-mark sense.

ON APPEAL.

Application for registration of trade-mark for elastic vehicle tires composed wholly or in part of rubber, filed May 29, 1922, Serial No. 164,637.

Mr. R. S. Trogner for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration to the notation "Cross Rib" as used upon automobile tires.

Registration was denied upon what are, in effect, two grounds: That the words are descriptive of the goods and that applicant's use of such words has not been a trade-mark use.

Appellant, in its brief, has urged the Examiner failed to state of what the words were descriptive and that this implies a doubt of their decriptiveness. It is further set forth in the brief thaf although various kinds of tires with as many different kinds of projections upon their treads have been manufactured the literature descriptive of such tires nowhere discloses the use of the words sought to be registered. Much has been made of the meaning of the word "rib," and an analogy is sought to be found between appellant's notation and the trade-mark considered by the Court in the case of *Beckwith* v. *Commissioner of Patents*, 274 O. G. 613; 252 U. S. 538. In this adjudicated case many features of the mark were not deemed descriptive and the significance of the entire mark was deemed purely fanciful and arbitrary. The words sought to be registered by appellant, if descriptive at all, are descriptive individually and when taken together.

It is believed there can be no question as to the correctness of the holding of the Examiner that these words are descriptive of the goods if applied to a tire having cross ribs on it, and misdescriptive if applied to a tire without such ribs. Tires are upon the market and have been for many years showing many different kinds of ribs or projections which are essential parts of the tires themselves, molded into them in the process of manufacture for the purpose of preventing skidding or increasing tractive effect. Tires with longitudinal ribs, having reference to the direction of travel of the tire, as well as other tires having projections as found on the diamond-tread tires made by appellant corporation, are common. The so-called chain trend constitutes another known form of tire. While it is unnecessary for the Examiner to have answered all appellant's questions as to what was described by the words sought to be registered and to what part of the tire they apply, yet it is thought to be obvious that when a purchaser noted the presence of these words on the side of the tire he would expect to find the tire had ribs or a rib across it somewhere for the usual purpose that projecting ribs are placed upon tires. In the case cited by the Examiner, *In re United States Tire Company*, 225 O. G. 1107; 44 App. D. C. 469, the court did refer to the design patent held by the applicant for registration, but apparently for the purpose of showing that a chain tire was old and was a well-known type of tire. The word "Chain" was regarded as descriptive in that it identified the character and style of that tire. In the case of *In re The Barrett Company, formerly Barrett Manufacturing Company*, 262 O. G. 167; 48 App. D. C. 586, the court made it plain that the corrugated surface was a mere structural feature of the goods and the design was not registrable as a trade-mark. It is believed the more persuasive holding is that in *In re The Goodyear Tire & Rubber Company*, 339 O. G. 764; 55 App. D. C. 400, in which, referring to the diamond-shaped projection molded upon the face of a rubber tire, the court regarded the projections which appellant claimed as a trade-mark were clearly descriptive of the goods on which they were used and held that—

> they form a very essential part of the goods itself. In other words, these projections are molded on the face of a rubber tire either to enhance the wear or to prevent skidding, or both.

The mark sought to be registered was held merely descriptive of the goods and unregistrable.

[1] With this review of the cases I am unable to find any room for doubt which can be resolved in appellant's favor. It may be appellant has not yet manufactured tires with cross ribs; but since tires with ribs in other directions are on the market such words found upon a tire without cross

ribs would be misdescriptive and if placed upon a tire with such ribs would be clearly indicative of the character or style of the tire.

[2] It is believed the purchaser, noting these words on the tire, would not regard them as indicating ownership or origin but would merely look upon them as descriptive of the tire itself, presumably the tread. Merely because a tire having cross ribs has not been put on the market and in consequence these words may not appear to have been used in describing other forms of tire is not persuasive that appellant, even if first to use them, has used them in a trade-mark sense.

The decision of the Examiner of Trade Marks is affirmed.

Court of Appeals of the District of Columbia.

IN RE KLAUSMEYER.

No. 1,770. Decided December 7, 1925.

INVENTION—SOLUTION OF PROBLEM.

When K. conceived the idea of drilling a hole in a nut to permit inspection of threads of the nut, he did more than merely drill a hole in the nut. His idea involved more than the exercise of mere mechanical skill, and a nut with a hole drilled to permit lubrication, but not inspection of threads of the nut, fails to solve the problem with which K. was confronted.

APPEAL from Patent Office. Reversed.

Mr. Albert F. Nathan for Klausmeyer.

Mr. T. A. Hostetler for the Commissioner of Patents.

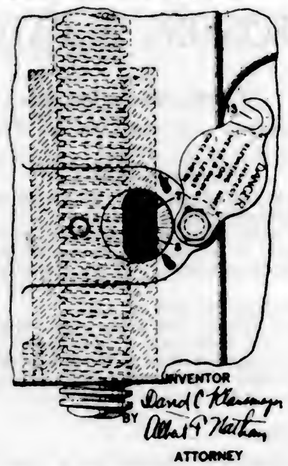
Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing the claims, 15 in number, of an application for patent. There is needless multiplication of claims. Claims 1, 2, 5 and 7 fully cover the device, and of those we here reproduce claim 5:

5. A safety construction for elevating mechanism consisting of a member adapted to be moved against opposition; a nut secured to said member and formed to present to view a transverse section of a portion of its threaded bore; and a screw adapted to cooperate with said nut to shift said member.

In a modern radial drill, the drill spindle is mounted on a heavy arm projecting horizontally from the vertical post. The functioning of the drill is accomplished by moving this heavy arm up and down on the post, through the agency of the large screw engaging nut which is affixed to the arm, so that the rotation causes the nut to travel up and down through the full length of the screw. It is apparent that the wear on the threads of this nut is much greater than the wear on the threads of the post. As this arm is very heavy, sometimes weighing as much as a ton, when the threads of the nut become sufficiently worn there is danger that they will be stripped and permit the arm to fall. The nut being embedded, there was no way in which its threads might be inspected, except by dismantling the lifting screw. This danger and difficulty applicant sought to overcome. He solved the problem by drilling a hole through the arm and wall of the nut, so that the hole approximately centers on threads of the nut, thus exposing them to view. This is quite well illustrated in Figure No. 3, here reproduced:



This hole enables the operator to determine at a glance the extent of the wear on the threads of the nut.

The Patent Office rejected the claims on the patent to Metzger, No. 509,178, issued November 21, 1893, or over 30 years ago. Metzger's device, as stated in his specification, was intended "to provide automatic lubrication without the employment of wicking or other material." The hole he provided was for that purpose, and that alone. In our judgment, it entirely fails to solve the problem with which applicant was confronted. A hole drilled toward the center of the screw would permit lubrication, but not inspection of threads of the nut. Had the Metzger patent been at all suggestive of appellant's device, it is strange that skilled mechanics should have overlooked it for more than 30 years. Applicant has done more than merely drill a hole in the nut. He conceived the idea of drilling such a hole as to permit inspection of threads of the nut, and this, in our view, involved more than the exercise of mere mechanical skill.

As an alternative, applicant suggests the cutting away of a portion of one end of the nut, so that its threads may be visible, and certain of the claims cover this alternative structure.

The decision is reversed and claims 1, 2, 5 and 7 are awarded the applicant.

Reversed.

ADJUDICATED PATENTS.

(D. C. Wis.) The Christensen patent, No. 635,280, for combined pump and motor, *Held* not infringed. *Christensen* v. *National Brake & Electric Co.*, 10 F. (2d) 856.

(D. C. Ill.) The Sandell patent, No. 852,848, for coin-receiving automatic music-playing device, claim 1 *Held* valid and infringed. *Mills Novelty Co.* v. *Rudolph Wurlitzer Co.*, 10 F. (2d) 812.

(C. C. A. N. Y.) The Goldman patent, No. 1,009,502, for skylight with automatic fire windows, *Held* invalid. *Superior Skylight Co.* v. *Zerbe Const. Co.*, 10 F. (2d) 710.

(D. C. Minn.) The Just and Hanaman patent, No. 1,018,502, for incandescent bodies for electric lamps, claims 1, 2, and 3 *Held* infringed. *General Electric Co.* v. *Minneapolis Electric Lamp Co.*, 10 F. (2d) 851.

(C. C. A. N. Y.) The Guthrie patent, No. 1,041,623, for consolidated-railroad-tariff index, claims 1 and 3 *Held* invalid for lack of patentable subject matter. *Guthrie* v. *Curlett*, 10 F. (2d) 725.

(C. C. A. N. Y.) The Armstrong patent, No. 1,113,149, for radiofrequency oscillations in plate circuit of audion, *Held* infringed. *Armstrong* v. *De Forest Radio Telephone & Telegraph Co.*, 10 F. (2d) 727.

(D. C. Ill.) The Wilcox and Lawton patent, No. 1,113,850, for double leaf spring to cooperate with breaker arm of igniting device, claim 6 *Held* valid and infringed. *Connecticut Telephone & Electric Co.* v. *Brown & Caine*, 10 F. (2d) 823.

(D. C. Ill.) The Sloan patent, No. 1,114,398, for flush valve for water-closet bowl, claim 2 *Held* valid and infringed. *Sloan Valve Co.* v. *John Douglas Co.*, 10 F. (2d) 885.

(D. C. Mass.) The Dearborn patent, No. 1,158,186, for machine for wrapping cartons, claims 28 and 29 *Held* valid and infringed; claims 15, 16, 17, 18, 19, and 22 *Held* invalid, and claim 26 *Held* not infringed. *Johnson Automatic Scale Co.* v. *Ginn*, 10 F. (2d) 793.

(D. C. Minn.) The Just and Hanaman patent, No. 1,180,159, for incandescent electric lamps, claims 4, 5, 12, and 13 *Held* infringed. *General Electric Co.* v. *Minneapolis Electric Lamp Co.*, 10 F (2d) 851.

(D. C. Ill.) The Lesley and Enz patent, No. 1,198,860, for self-closing player-controlling switch for use in coin-receiving automatic music-playing device, claims 10 and 11 *Held* valid and infringed. *Mills Novelty Co.* v. *Rudolph Wurlitzer Co.*, 10 F. (2d) 812.

(D. C. Ill.) The Lesley and Schoen patent, No. 1,198,861, for coin-receiving automatic music-playing device, claims 3, 4, and 5 *Held* valid and infringed. *Mills Novelty Co.* v. *Rudolph Wurlitzer Co.*, 10 F. (2d) 812.

(D. C. Ill.) The Wilcox and Cavanagh patent, No. 1,204,104, for breaker-assembly replacement unit in igniting device, claims 1, 2, 3, 4, 6, 7, 8, 9, and 11 *Held* valid and infringed. *Connecticut Telephone & Electric Co.* v. *Brown & Caine*, 10 F. (2d) 823.

(D. C. Ill.) The Stahl and Cavanagh patent, No. 1,221,239, for slip terminal plug for electrical connection, claims 1, 2, and 3 *Held* valid and infringed. *Connecticut Telephone & Electric Co.* v. *Brown & Caine*, 10 F. (2d) 823.

(D. C. Ill.) The Johnson patent, No. 1,266,811, for skeletonized formation of breaker arm of igniting device, claims 1 and 3 *Held* valid and infringed. *Connecticut Telephone & Electric Co.* v. *Brown & Caine*, 10 F. (2d) 823.

(D. C. Mass.) The Johnson patent, No. 1,270,416, for machine for wrapping cartons, claims 8, 17, 18, 28, 29, and 36 *Held* not infringed, and claim 35 *Held* valid and infringed. *Johnson Automatic Scale Co.* v. *Ginn*, 10 F. (2d) 793.

(C. C. A. N. Y.) The Belais patent, No. 1,330,231, for white-gold alloy, claim 3 *Held* invalid. *Davis Belais, Inc.*, v. *Goldsmith Bros. Smelting & Refining Co.*, 10 F. (2d) 673.

(D. C. N. Y.) The Mueller patent, No. 1,405,146, for improvement in forges, claims 1, 2, 3, 4, 7, 8, 9, 10, and 11 *Held* valid and infringed. *Mead-Morrison Mfg. Co.* v. *Hauck Mfg. Co.*, 10 F. (2d) 834.

(D. C. N. Y.) The Cutler patent, No. 1,479,497, for method of applying rubber soles and heels to shoes, *Held* invalid, but, if valid, not infringed. *Alfred Hale Rubber Co.* v. *Morse & Burt Co.*, 10 F. (2d) 843.

(D. C. N. Y.) The Abrahams patent, No. 1,501,032, for acoustic horn, *Held* valid and infringed. *Abrahams* v. *Universal Wire Co.*, 10 F. (2d) 838.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

944,993, Horrell & Bryant, Machine for brushing and polishing fruit, suit filed Feb. 16, 1926, D. C., S. D. Calif. (Los Angeles), Doc. K-1-H, *W. B. Clancy et al.* v. *G. M. Smallwood et al.* (*Smallwood & Ofstad*).

958,478, W. E. Davey, Process of reenforcing trees, consent decree for permanent injunction Mar. 2, 1926, D. C. Minn. (4th Div.), Doc. E 481, *The Davey Tree Expert Co.* v. *A. F Duchacek.*

1,009,074, T. Larsson, Automatic shut-off valve for elevators; 1,102,587, K. E. O. Jansson, Hydraulic elevator stop mechanism, suit filed Feb. 3, 1926, D. C., E. D. N. Y., Doc. 2392, *Hydraulic Elevator & Machine Co., Inc.*, v. *A. E. Thurber Elevator Co., Inc.*

1,028,268, G. E. Palmer, Case for meter connection blocks; 1,036,317, same, casing; 1,031,363, T. E. Murray, Meter-testing-service cut-out; 1,269,996, P. H. Bartlett, Meter and instrument support, suit filed Jan. 22, 1926, D. C., E. D. Pa., Doc. 3571, *Metropolitan Device Corp.* v. *S. Schmuckler & Son.*

1,031,363. (See 1,028,268.)

1,036,317. (See 1,028,268.)

1,089,405, W. S. Ferguson, Reenforced-concrete dock or pier, suit filed Feb. 3, 1926, D. C., E. D. Pa., Doc. 3589, *J. D. Carey et al.* v. *City of Philadelphia.*

1,102,587. (See 1,009,074.)

1,135,666, E. Craig, Machine for making butter dishes, suit filed Mar. 11, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1446, *Saranac Automatic Machine Corp.* v. *F M. Longnecker.*

1,158,186, J. W. Dearborn, Package-wrapping machine; 1,270,416, H. L. Johnson, Wrapping machine, interlocutory decree for plaintiff for an injunction as to certain claims of both patents and dismissing bill as to other claims and as to unfair competition, injunction issued Mar. 10, 1926, D. C. Mass., Doc. E 1804, *Johnson Automatic Sealer Co., Ltd.*, v. *P. E. Ginn et al.*

1,206,783, H. H. Boyce, Temperature-indicating system and apparatus for internal-combustion engines, suits filed Mar. 16, 1926, D. C., E. D. Mich, (S. Div.), Doc. 1449, *H. H. Boyce et al.* v. *Chrysler Corp.*; and Doc. 1450, *H. H. Boyce et al.* v. *Rickenbacker Motor Co.*

1,269,996. (See 1,028,268.)

1,270,416. (See 1,158,186.)

1,279,561, H. B. Loxterman, Tunnel and sewer mold forms, suit filed Aug. 15, 1924, D. C., E. D. Mich. (S. Div.), Doc. 797, *Blaw-Knox Co.* v. *Central Boiler Works et al.* Patent held valid and infringed by R. A. Mercier. Bill dismissed as to Central Boiler Works.

1,287,189, E. Benner, Irrigating valve, suit filed Feb. 6, 1923, D. C., S. D. Calif. (Los Angeles), Doc. E 88–B, *E. Benner* v. *W. A. Waterman.* Decree of dismissal Feb. 15, 1926.

1,307,317, F. J. Percy, Turnstile, suit filed Feb. 3, 1926, D. C., E. D. N. Y., Doc. 2390, *F. J. Percy* v. *Brooklyn-Manhattan Transit Corp. et al.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Mar. 15, 1926, D. C. Minn. (3d Div.), Doc. 810, *The Bassick Mfg. Co.* v. *Ramsey Motor Service, Inc.*

1,307,734. (See 1,307,733.)

1,307,734, A. V. Gullborg, Lubricating means, suits filed Mar. 15, 1926, D. C., S. D. Ohio (E. Div.), Doc. 439, *The Bassick Mfg. Co.* v. *The Cussins & Fern Co.*; and Doc. 440, *The Bassick Mfg. Co.* v. *The Justus & Parker Co.*

1,395,694, W. Allison, Apparatus for purifying gasoline, suit filed Mar. 10, 1926, D. C. Wyo. (Cheyenne), Doc. 1661, *Allison Mfg. Co.* v. *Holland-Wirt Co.*

1,396,860, D. G. Lorraine, Method of and apparatus for separating oil and gas; 1,533,744, same, Oil and gas separator, suit filed Jan. 25, 1926, D. C., S. D. Calif. (Los Angeles), Doc. E 113–J, *D. G. Lorraine* v. *F. M. Townsend et al.* (*Trumble Gas Trap Co.*).

1,486,883, E. P. Halliburton, Method of hydrating cement and the like; 1,500,385, same, Method of and apparatus for mixing materials, suit filed Jan. 20, 1926, D. C., S. D. Calif. (Los Angeles), Doc. E 110–J, *E. P. Halliburton et al.* v. *J. M. Owen* (*Star Oil Well Cementing Co.*).

1,489,886, Hart & Morgan, Ventilator, suit filed Feb. 6, 1926, D. C., E. D. Pa., Doc. 3595, *E. J. Hart* v. *J. A. Call.*

1,500,385. (See 1,486,883.)

1,522,344, A. B. Thompson, Automatic windshield cleaner, suit filed Mar. 13, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1448, *Trico Products Corp.* v. *F. Fritz et al.*

1,522,344. (See 1,554,928.)

1,531,054, V. J. Whitney, Window support, suit filed Mar. 8, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1645, *V. J. Whitney et al.* v. *H. T. Atkinson.*

1,533,744. (See 1,396,860.)

1,553,916, J. Rose, Shoulder strap, suit filed Mar. 12, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1776, *J. Rose et al.* v. *The Premiere Garment Co.*

1,554,928, A. B. Thompson, Motor for automatic windshield cleaners; 1,522,344, same, Automatic windshield cleaner, suit filed Mar. 11, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1447, *Trico Products Corp.* v. *W. J. Kilpatrick.*

1,563,002, A. Weisman, Metal bed, suit filed Feb. 26, 1926, D. C., E. D. N. Y., Doc. 2405, *A. Weisman* v. *Sleepwell Metal Bed Co.*

1,564,378, Stein, Austin & Liebowitz, Bleached and dyed furs and the like; 1,573,200, same, Process of bleaching and dyeing furs and the like, D. C., E. D. N. Y., Doc. 2393, *Stein Fur Dyeing Co., Inc.*, v. *Scalect Fur Dyeing Co., Inc., et al.*

1,571,501, H. R. Van Deventer, Electrical condenser, suits filed Mar. 16, 1926, D. C., S. D. N. Y., Doc. E 35/402, *Dubilier Condenser & Radio Corp.* v. *Aerorox Wireless Corp.*; and Doc. E 36/1, *Dubilier Condenser & Radio Corp.* v. *Polyment Mfg. Corp.*; and Doc E 36/2, *Dubilier Condenser & Radio Corp.* v. *New York Coil Co.*

1,572,157, M. Morrell, Yarn winding, suit filed Feb. 27, 1926, D. C., E. D. N. Y., Doc. 2406, *L. Malins* (*The Maline Co.*) v. *Grisman* (*The Grisman Co.*).

1,573,200. (See 1,564,378.)

Des. 57,423, P. I. Ansorge, Lighting-fixture part, interlocutory decree for plaintiff Mar. 10, 1926, D. C., E. D. N. Y., Doc. 2076, *Empire Lighting Fixture Co., Inc.*, v. *Modern Lighting Fixture Co., Inc.*

Des. 69,190, B. Putterman, Vehicle signal lamp, suit filed Feb. 3, 1926, D. C., E. D. N. Y., Doc. 2391, *American Auto Lamp Co., Inc.*, v. *United States Spinning Co., Inc.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,487,375, C. H. Fuchs, Wiping attachment for film-drying apparatus, decided March 19, 1926, claim 1.

Pat. 1,551,261, C. E. Milner, Lubricating apparatus, decided March 8, 1926, claim 2.

TRADE-MARKS CANCELED.

98,455. Photogravures. American Rotogravure Company, New York, N. Y. Registered July 21, 1914. Canceled April 19, 1926.

102,015. Printing ink. American Rotogravure Company, New York, N. Y. Registered January 26, 1915. Canceled April 19, 1926.

156,544. Woolen blankets. Oregon City Mfg. Co., Oregon City, Oreg. Registered June 27, 1922. Canceled April 19, 1926.

194,441. Electric bells. Liberty Bell Manufacturing Co., Minerva, Ohio. Registered January 27, 1925. Canceled April 19, 1926.

201,582. Certain named medicinal tablets. H. K. Mulford Company, Philadelphia, Pa. Registered August 4, 1925. Canceled April 19, 1926.

202,585. Certain named grates, stokers, and forced-draft blowers. Perfection Grate and Supply Company, Springfield, Mass. Registered August 25, 1925. Canceled April 19, 1926.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 4, 1926.

[VOL. 346. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 191,788. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE J. P. SCHWEITZER COMPANY, INC., Cleveland, Ohio. Filed Feb. 4, 1924.

The drawing is lined for green.

Particular description of goods.—Household, Warehouse, Mill, Stable, and Street Sweepers; Brooms Made Out of Corn Fiber, Japanese Fiber, Corn and Rattan, and Corn and Japanese Fiber.

Claims use since Nov. 1, 1923.

Ser. No. 192,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE VALLEY CREAMERY CO., Chicago, Ill. Filed Feb. 8, 1924.

No exclusive claim is made to the word "Butter" or to the words "That's why millions use it."

Particular description of goods.—Butter.

Claims use since 1915.

Ser. No. 193,392. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL PHONOGRAPH CORPORATION, New York, N. Y. Filed Mar. 7, 1924.

Odeon

Particular description of goods.—Radio Receiving Sets.

Claims use since on or about Feb. 20, 1924.

Ser. No. 193,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYER & LANGE, New York, N. Y. Filed Mar. 7, 1924.

AUGOURMET

Particular description of goods.—Anchovies, Antipasto, Apple Sauce, Artichoke Bottoms, Canned Asparagus, Biscuits in the Nature of Crackers, Brussels Sprouts, Pickled Beets, Capers, Caviar, Cheese, Canned Corn, Cranberry Sauce, Crabmeat, Nonalcoholic Crème de Menthe for Food Purposes, Curry Powder, Dates, Dried Figs and Figs in Sirup, Grenadine for Food Purposes, Green-Turtle Soup, Green-Turtle Meat, Honey, Haricots, Fruit Jams and Jellies, Maraschino Cherries, Mushrooms, Olives, Olive Oil, Orgeat Sirup for Food Purposes, Paprika, Canned Peas, Canned and Pickled Onions, Prunes Stuffed, Pimientos, Dried Raisins in Clusters, Strawberry Sirup for Food Purposes, Raspberry Sirup for Food Purposes, Sardines, Salmon, Shad Roe, Canned Tomatoes, Tomato Catchup, and Tunny Fish in Tins, Glass, and Cartons.

Claims use since about 1889 as to fruit jams and jellies; as to caviar since about 1890; as to mushrooms since about 1900; as to peas and haricots since about 1902; as to olives since about 1904; as to Maraschino cherries since about 1905; as to cheese since about 1906; with green-turtle meat and olive oil since about 1908; in connection with capers, asparagus, dates, and figs since about 1909; in connection with paprika and crabmeat since about 1911; in connection with onions since about 1912; in connection with salmon and sardines since about 1914; in connection with pimientos since about 1918; in connection with artichoke bottoms, biscuits, brussels sprouts, green-turtle soup, grenadine, honey, raspberry sirup, strawberry sirup, and shad roe since about 1919; in connection with cranberry sauce since about 1920; in connection with tunny fish since about 1922; in connection with raisins in clusters, crème de menthe, orgeat sirup, anchovies, corn, tomatoes, antipasto, prunes, apple sauce, tomato catchup, beets, and curry powder since about 1923.

Ser. No. 198,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. A. HARAM & CO., INC., New York, N. Y. Filed June 16, 1924.

Sahco

Particular description of goods.—Canned Lobster, Jam Put Up in Glass Jars for Table Use, and Potato Starch Packed in Paper Cartons for Cooking Purposes.
Claims use since April, 1923.

Ser. No. 199,686. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUXOR, LIMITED, Chicago, Ill. Filed July 5, 1924.

Luxor

Particular description of goods.—Complexion Powders, Compacts, Rouges, Skin Lotions, Face Creams, Cosmetics for the Skin, Perfumes, Toilet Waters, Talcums, Hair Pomades, Smelling Salts, Bath Powders, Bath Salts, Dentifrices, Sachets, Shampoo, Brilliantine, Deodorants, Eyebrow Pencils, Nail Pomade, Nail White, and Cuticle Remover.
Claims use since Jan. 1, 1910.

Ser. No. 207,274. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES FOIL CO., Louisville, Ky. Filed Dec. 26, 1924.

MASTER METAL

The word "Metal" does not form a part of the registration sought apart from the trade-mark shown in the drawing.
Particular description of goods.—Metallic Roofing and Laminated Roofing Having a Metallic Exterior.
Claims use since about Nov. 1, 1924.

Ser. No. 207,353. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES A. HEARN & SON INC., New York, N. Y. Filed Dec. 29, 1924.

HEARN
NURSE'S DELIGHT
HEMMED DIAPERS

"Best for Baby's Comfort"

The faces in the picture forming a part of trade-mark are fanciful, no claim being made to the words "Hemmed Diapers Absorbent Sterilized Best for Baby's Comfort" apart from the mark as shown in the drawing.
Particular description of goods.—Dry Goods Particularly of Woven Fabrics of Either Cotton or Linen or Cotton and Linen Mixed—Namely, Diapering in the Piece and Diapers.
Claims use since June 1, 1901.

Ser. No. 209,434. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CHARLES H. SHERMAN, doing business as H. D. Merritt & Company, North Attleboro, Mass. Filed Feb. 11, 1925.

MERITA

"Merita."
Particular description of goods.—Articles of Jewelry for Personal Adornment, not including Watches.
Claims use since May 20, 1922.

Ser. No. 209,631. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EV-R-NUE PRODUCTS CO., Minneapolis, Minn. Filed Feb. 16, 1925.

EV-R-NUE

Particular description of goods.—Cleaning Solutions for Varnished, Enameled, and Painted Surfaces.
Claims use since on or about Apr. 7, 1923.

Ser. No. 210,020. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE STUEBING TRUCK COMPANY, Cincinnati, Ohio. Filed Feb. 21, 1925.

StueBing

Particular description of goods.—Lifetime Trucks and Loading Platforms Used in Connection with Lifting Trucks.
Claims use since July 27, 1920.

Ser. No. 210,220. (CLASS 15. OILS AND GREASES.) BOYCE & VEEDER COMPANY, INCORPORATED, Long Island City, N. Y. Filed Feb. 27, 1925.

Boyce-ite

No claim is made to the word "Boyce" apart from the mark shown in the drawing.
Particular description of goods.—Lubricating Oils and Greases.
Claims use since about January, 1925.

Ser. No. 210,457. (CLASS 5. ADHESIVES.) INSTO PUNCTURE-PROOF TIRE EQUIPMENT CO., Seattle, Wash. Filed Mar. 3, 1925.

"INSTO"

Particular description of goods.—Composition for Repairing Punctured Automobile Tires.
Claims use since Jan. 28, 1925.

Ser. No. 210,574. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRY A. PATTERSON, Cleveland, Ohio. Filed Mar. 5, 1925.

HyGlow

Particular description of goods.—Cleaning and Polishing Liquid for Cleaning and Polishing Wooden Surfaces of Bowling Alleys and the Like.
Claims use since Nov. 1, 1924.

Ser. No. 210,605. (CLASS 43. THREAD AND YARN.) J. & P. COATS (R. I.) INC., Pawtucket, R. I. Filed Mar. 6, 1925.

SUNSHEEN

Particular description of goods.—Artificial Silk in Small Skeins for Embroidery.
Claims use since Jan. 22, 1925.

Ser. No. 210,727. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) L. F. GRAMMES & SONS, INC., Allentown, Pa. Filed Mar. 9, 1925.

ETCHART

Particular description of goods.—Badges, Emblems, Medals, Lapel Buttons, Greeting Seals, Number Plates, Name Plates, Letter Plates, Store-Window Display Fixtures, Display Racks, Signs for Mechanical Advertising Purposes, and Memorial Tablets.
Claims use since Mar. 1, 1924.

Ser. No. 210,812. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) G. SIDENBERG & CO., New York, N. Y. Filed Mar. 10, 1925.

CAPITOL

Particular description of goods.—Piece Goods of Artificial Silk and of Artificial Silk and Cotton Mixtures, Plain or Woven or Printed in Color or Colors.
Claims use since Mar. 1, 1917.

Ser. No. 211,089. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRISON W. GARLAND, Bay City, Mich. Filed Mar. 16, 1925.

ADULTS

Particular description of goods.—Monthly Magazine.
Claims use since Feb. 1, 1925.

Ser. No. 211,245. (CLASS 39. CLOTHING.) WILLIAM N. WILKINS, Mayfield, N. Y. Filed Mar. 18, 1925.

Tilbury

Particular description of goods.—Gloves Made Wholly of Leather, Gloves Made Wholly of Fabric, and Gloves Made Partly of Leather and Partly of Fabric.
Claims use since about Feb. 1, 1925.

Ser. No. 211,279. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE LAVINE, doing business as Alsey Radio Mfg. Co., New York, N. Y. Filed Mar. 19, 1925.

Alsey

Particular description of goods.—Radio Receiving Sets and Parts of Same.
Claims use since Jan. 2, 1925.

Ser. No. 211,306. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 19, 1925.

HEX

NITE

Particular description of goods.—Protective Black Paints, Including Casting Dip.
Claims use since on or about Oct. 22, 1920.

Ser. No. 211,338. (CLASS 31. FILTERS AND REFRIGERATORS.) DRYICE CORPORATION OF AMERICA, New York and Long Island City, N. Y. Filed Mar. 20, 1925.

DRY ICE

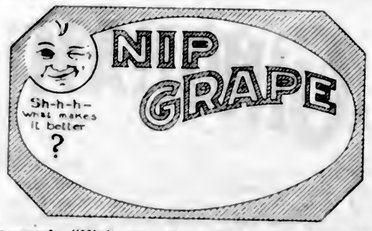
The word "Ice" is disclaimed except in combination with the word "Dry."
Particular description of goods.—Refrigerators.
Claims use since Feb. 3, 1925.

Ser. No. 211,386. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SQUARE D COMPANY, Detroit, Mich. Filed Mar. 20, 1925.

D

Particular description of goods.—Electrical Testing Instruments, and More Particularly Voltage-Testing Devices.
Claims use since August, 1924.

Ser. No. 211,664. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHERO-COLA COMPANY, Columbus, Ga. Filed Mar. 26, 1925.



The words "Nip" and "Grape" are disclaimed except in combination with the mark shown. The drawing is lined to indicate the color purple.
Particular description of goods.—Nonalcoholic, Maltless Fruit Beverage Sold as a Soft Drink.
Claims use since May 12, 1922.

Ser. No. 211,890. (CLASS 12. CONSTRUCTION MATERIALS.) ELK RIVER CONCRETE PRODUCTS CO., Elk River, Minn. Filed Apr. 1, 1925.

CRETE

Particular description of goods.—Reenforced Sections for Forming Culverts, Sewers, and Drains.
Claims use since July 1, 1917.

Ser. No. 212,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. C. ARNOLD, Ceres, Calif. Filed Apr. 6, 1925.

ACME

Particular description of goods.—Melons—Namely, Cantaloupes, Watermelons in Their Natural State, Casabas, and Honey Dew.
Claims use since Jan. 30, 1925.

Ser. No. 212,281. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MOTOR POWER EQUIPMENT CO., St. Paul, Minn. Filed Apr. 6, 1925.

VIKING

Particular description of goods.—Vehicle Bodies and Cabs for Commercial and Farm Use.
Claims use since on or about Mar. 3, 1925.

Ser. No. 212,645. (CLASS 37. PAPER AND STATIONERY.) THE SCOVILLE PAPER COMPANY, Ogden, Utah. Filed Apr. 13, 1925.

Ute

Particular description of goods.—Wrapping Paper, Paper Towels, Toilet Paper, Paper Napkins, Wax Paper, Flat and in Rolls, Cover Paper, Cardboard for Printing Purposes, Printing Paper, Adding-Machine Paper, Writing Tablets, Correspondence Paper, Mailing Envelopes, Pens, Penholders, Fountain Pens, Pencils, Erasers, Rulers, Indexed Letter Files, Loose-Leaf Covers, Loose-Leaf Fillers, and Rubber Bands.
Claims use since Jan. 1, 1923.

Ser. No. 212,649. (CLASS 12. CONSTRUCTION MATERIALS.) SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va. Filed Apr. 13, 1925.

WHITE TOP

Particular description of goods.—Gypsum and Lime-Gypsum Plaster.
Claims use since about September, 1910.

Ser. No. 212,986. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ACME WHITE LEAD AND COLOR WORKS, Hamtramck, Mich. Filed Apr. 20, 1925.

No claim is made to the exclusive use of the words "Paints," "Enamels," "Stains," "Varnishes," "The," and "Kind" apart from the mark shown on the drawing. The flag-shaped field is in red and the enveloping circular field in black.

Particular description of goods.—Paints of All Kinds, Paint and Varnish Enamels, Stains, Varnishes, Paint and Varnish Removers, Flat and Gloss Finishes, White Lead Dry, White Lead in Oil, Red Lead Dry, Red Lead in Oil, Liquid Slating, Colors in Oil, Distemper Colors, Japan Colors, Graining Colors, Blending Colors, Ground Colors, Color Varnishes, Zinc White, Turpentine, Linseed Oil, Driers, Pigments; Fillers for Preparing Surfaces for Painting, Enameling, or Varnishing; Graining Compound; Rubbing, Polishing, and Finishing Oils; Polishes for Varnished, Enameled, and Lacquered Surfaces; Putty, Prepared Shellac, Dry Colors, Calcimine, Reducing Oils, Floor Waxes, Painters' Waxes; Finishing, Preserving, and Coating Waxes; Graphite Compound, Shingle Stain, Dampproofing Materials; Lacquer or Varnish Dressings for Leather, Rubber, or Cloth, or for Compositions Used as Substitutes Therefor; Stencils, Decorators' Stencils, Coal-Tar Paint, Sheep-Marking Liquid, Shellac Substitute, Furniture Polish, Primers, Tinted Paste, Lacquer, Ochers in Oil, Paint Oils, Putty Compound, Litharge, Whiting, and Blending or Mottling Liquid, Nitrocellulose Lacquer, and Enamels.

Claims use since Nov. 21, 1906.

Ser. No. 213,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EASTERN CARBON BLACK COMPANY, Charleston, W. Va. Filed Apr. 22, 1925.

TRIANGLE BRAND

The word "Brand" is disclaimed.

Particular description of goods.—Carbon Black Having a General Use in the Industrial Arts.

Claims use since 1918.

Ser. No. 213,269. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VEREINIGTE OPTISCHE WERKE G. m. b. H., Rathenow, Germany. Filed Apr. 24, 1925.

Punctiscus

Particular description of goods.—Eyeglasses and Ophthalmic Lenses.

Claims use since June 28, 1924.

Ser. No. 213,766. (CLASS 12. CONSTRUCTION MATERIALS.) CALIFORNIA CLAY PRODUCTS CO., Los Angeles and South Gate, Calif. Filed May 4, 1925.

CALCO

Particular description of goods.—Floor Tile, Art Tile, and Wall Tile.

Claims use since January, 1924.

Ser. No. 214,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. P. PLANT MILLING COMPANY, St. Louis, Mo. Filed May 12, 1925.

GINGHAM

Particular description of goods.—Corn Meal, Rye Flour, Pancake Flour, Breakfast Foods of Wheat and Corn, Poultry Mash, Poultry Scratch Feeds, Dairy Feeds, Calf Feeds, Horse and Mule Feeds, and Hog Fattener.

Claims use since Mar. 5, 1925.

Ser. No. 214,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNION NEWS COMPANY, New York, N. Y. Filed May 12, 1925.

Applicant disclaims apart from the other features of the mark the words "Chocolates" and "Prepared by Repetti."

Particular description of goods.—Chocolates.

Claims use since Nov. 1, 1923.

Ser. No. 214,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANCHOR MILLING & GROCERY COMPANY, doing business as Anchor Milling Company, Albuquerque, N. Mex. Filed May 20, 1925.

EL SOL

Particular description of goods.—Wheat Flour and Corn Meal.

Claims use since Dec. 27, 1919.

Ser. No. 215,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM ALSBERG & COMPANY, New York, N. Y. Filed June 18, 1925.

RAYPACA

Particular description of goods.—Artificial Silk and Mixtures of Artificial Silk and Wool, Cotton and Wool, Artificial Silk and Cotton Mixed Piece Goods.

Claims use since June 15, 1925.

Ser. No. 216,838. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KENWORTHY BROTHERS COMPANY, Stoughton, Mass. Filed July 3, 1925.

KenKote

Particular description of goods.—Coated and Impregnated Fabrics in the Nature of Artificial Leather.

Claims use since July, 1914.

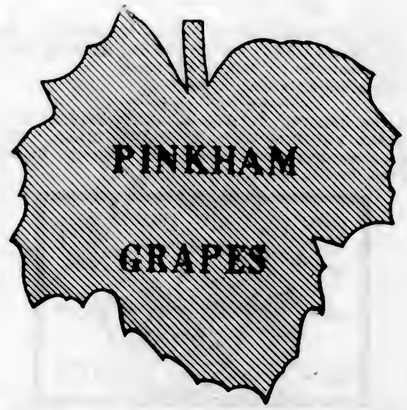
Ser. No. 217,082. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FOOD FLAVOUR PRESERVATION PROCESS LIMITED, Leigh-on-Sea, England. Filed July 9, 1925.

TEXTUFF

Particular description of goods.—Impregnated Air-Tight Material Made of Fiber or Cotton for Protecting Perishable Objects.

Claims use since July 2, 1914.

Ser. No. 217,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed July 9, 1925.



The surname "Pinkham" and the descriptive term "Grapes" are disclaimed apart from the mark shown in the drawing. The shade lines indicate the color green.

Particular description of goods.—Fresh Grapes.

Claims use since August, 1924.

Ser. No. 217,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES FRIEDENBERG, doing business as M & P Products Co., Detroit, Mich. Filed July 16, 1925.

TRIANGLE

Particular description of goods.—Malt Extract for Food Purposes.

Claims use since Apr. 1, 1925.

Ser. No. 217,733. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) OVERBAGH & AYRES MFG. CO., Chicago, Ill. Filed July 22, 1925.

CAMCO REFLECTORS

The word "Reflectors" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Porcelain-Enameled Steel Reflectors, Paint Enameled Hand Reflectors, Paint-Enameled Steel Reflectors, Paint-Enameled Aluminum Reflectors, and Paint-Enameled Galvanized Reflectors.

Claims use since July 25, 1923.

Ser. No. 217,775. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHGROVE FRUIT ASSOCIATION, Highgrove, Calif. Filed July 23, 1925.

OUR PRIDE

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since 1910.

Ser. No. 217,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHGROVE FRUIT ASSOCIATION, Highgrove, Calif. Filed July 23, 1925.

YANKEE DOODLE

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since 1905.

Ser. No. 217,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Filed July 23, 1925.

Golden Bar

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since 1910.

Ser. No. 217,780. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif. Filed July 23, 1925.

HIGHLANDER

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1894.

Ser. No. 217,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Filed July 23, 1925.

Priscilla

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1898.

Ser. No. 218,453. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANTENNAPHONE COMPANY New York, N. Y. Filed Aug. 6, 1925.

Antennaphone

Particular description of goods.—Device for Use With a Telephone Receiver Whereby the Telephone Wires are Made Use of Instead of Antenna Wires.
Claims use since Oct. 28, 1924.

Ser. No. 218,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAROLINA BAKING COMPANY, Charlotte, N. C. Filed Aug. 13, 1925.

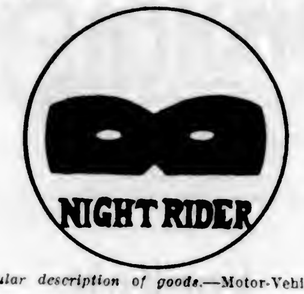
No claim is made to the wording appearing on the drawing apart from the trade-mark shown. The drawing is lined for shading only.
Particular description of goods.—Bread.
Claims use since on or about Apr. 5, 1925.

Ser. No. 218,981. (CLASS 27. HOROLOGICAL INSTRUMENTS.) CLAUDE MAMET, doing business as C. Mamet & Cie., Paris, France. Filed Aug. 17, 1925.

HORO-MEMO

Particular description of goods.—Alarm Apparatus With Clock Movement for Office Use Having in Connection Therewith a Note Calendar.
Claims use since Apr. 1, 1925.

Ser. No. 219,694. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) J. BERNICE SMITH, doing business as The Night Rider Co., Long Beach, Calif. Filed Sept. 2, 1925.



Particular description of goods.—Motor-Vehicle Glare Shields.
Claims use since Aug. 24, 1925.

Ser. No. 220,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORONA CHEMICAL COMPANY, INC., New York, N. Y. Filed Sept. 21, 1925.

FRUMENTONE

Particular description of goods.—General Medicinal Tonic.
Claims use since Mar. 25, 1925.

Ser. No. 220,763. (CLASS 45. BEVERAGES, NONALCOHOLIC.) A. P. DENNIS & CO., INC., Los Angeles, Calif. Filed Sept. 25, 1925.

Nesden

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Extracts, Sirups, and Concentrates for Making the Same.
Claims use since Aug. 3, 1923.

Ser. No. 221,576. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES. UNION ALLUMETTIÈRE SOCIÉTÉ ANONYME, Brussels, Belgium. Filed Oct. 10, 1925.

The words "Impregnated Safety Matches," "Damp Proof," "Union Allumettière," "Bruxelles," and "Made in Belgium" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Matches.
Claims use since July, 1919.

Ser. No. 221,582. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Oct. 12, 1925.

TEXROPE

Particular description of goods.—Power-Transmission Machinery Comprising Belt Drives, Consisting of Rotary Driving and Driven Grooved Sheaves Having Flexible Endless Driving Belts Cooperating With the Grooves Thereof to Transmit Rotary Motion From One Sheave to the Other.
Claims use since Feb. 13, 1924.

Ser. No. 221,670. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENDLETON WOOLEN MILLS, Portland, Oreg. Filed Oct. 13, 1925.

Particular description of goods.—Blankets of Cotton and Woolen Materials.
Claims use since September, 1916.

Ser. No. 221,718. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ROYAL JEWELRY MFG. CO., INC., New York, N. Y. Filed Oct. 14, 1925.

No claim is made to the exclusive use of the words "La Perle" apart from the mark as shown in the drawing.
Particular description of goods.—Artificial Pearls and Necklaces Made Therefrom.
Claims use since Aug. 25, 1925.

Ser. No. 221,779. (CLASS 11. INKS AND INKING MATERIALS.) L. C. SMITH & BROS. TYPEWRITER, INC., Syracuse, N. Y. Filed Oct. 15, 1925.

Brand

The words "Long Wearing" and "Brand" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Typewriter Ribbons and Carbon Paper.
Claims use since Aug. 15, 1925.

Ser. No. 221,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITY PACKAGE CO., INC., New York, N. Y. Filed Oct. 19, 1925.

All wording appearing on the drawing with the exception of the word "Purepac" is disclaimed apart from the mark shown.
Particular description of goods.—Alum, Anise Seed, Arrowroot, Bicarbonate of Soda, Boric Acid, Borax, Chalk and Orris, Chlorate Potash, Camomile, Charcoal Willow, Composite Licorice Powder, Cream Tartar, Drop Chalk for Medicinal Purposes, Epsom Salts, French Chalk and Fuller's Earth for Medicinal Purposes, Henna Leaves (Whole and Powdered), Powdered English Mustard, Mustard, Orris Root, Oxalic Acid, Precipitated Chalk, Rochelle Salts, Saltpeter, Senna Leaves, Sugar Milk, Sulphur, Soda Phosphate, Sugar Lead, Talcum Powder, Tartaric Acid, Zinc Sulphate, Fennel Seed, Flaxseed Meal, Whole Flaxseed, and Sunflower Seeds.
Claims use since July 1, 1925.

Ser. No. 222,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. HUBBARD FRUIT CO., Carpenteria, Calif. Filed Oct. 24, 1925.

CHAMP

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1920.

Ser. No. 222,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VENTURA CITRUS ASSOCIATION, Ventura, Calif. Filed Oct. 24, 1925.

ARMADA

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1916.

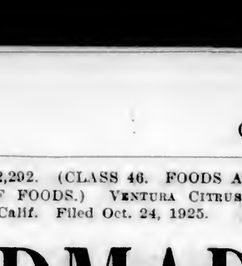
Ser. No. 222,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAFEWAY STORES, INC., Los Angeles, Calif. Filed Oct. 30, 1925.

HIGHWAY

Particular description of goods.—Canned Fruits, Canned Vegetables, Jams, Honey, Jellies, Canned Fish, Canned Sweet Potatoes, Canned Oysters, Egg Noodles, Macaroni, and Spaghetti.
Claims use since Aug. 18, 1916.

Ser. No. 222,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARREN ROSS TANSEY, New Orleans, La. Filed Nov. 4, 1925.

SCHOOL BOY



No claim is made to the word "Brand" except as associated with the other features of the mark.
Particular description of goods.—Table Sirup and Molasses.
Claims use since August, 1917.

Ser. No. 222,901. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN SOAP & CHEMICAL CO., Los Angeles, Calif. Filed Nov. 5, 1925.

RED-HED

Particular description of goods.—Soaps, Washing Powders, and Dairy Cleansers.
Claims use since June 5, 1925.

Ser. No. 223,051. (CLASS 12. CONSTRUCTION MATERIALS.) W. R. PICKERING LUMBER COMPANY, Pickering, La., and Kansas City, Mo. Filed Nov. 9, 1925.

The use of the words "Lumber Company Trade Mark" is disclaimed by applicant.
Particular description of goods.—Lumber.
Claims use since Jan. 1, 1915.

Ser. No. 223,297. (CLASS 39. CLOTHING.) HOLYOKE SILK HOSIERY COMPANY, Holyoke, Mass. Filed Nov. 14 1925.

PEERETTE

Particular description of goods.—Silk Hosiery.
Claims use since Nov. 4, 1925.

Ser. No. 223,325. (CLASS 32. FURNITURE AND UPHOLSTERY.) PLATT BROTHERS, Toronto, Ontario, Canada. Filed Nov. 14, 1925.

The lining shown on the drawing is to indicate the color red. Applicant disclaims apart from the mark shown all words and numbers appearing in the drawing except the words "Sho-Mor."
Particular description of goods.—Show Cases and Display Shelving for Goods.
Claims use since Aug. 12, 1925.

Ser. No. 223,513. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE JONES BROTHERS COMPANY, INC., Boston, Mass. Filed Nov. 19, 1925.

GUARDIAN MEMORIALS
of Everlasting Beauty

No claim is made to the words "Memorials of Everlasting Beauty" except in association with the other features of the mark shown on the drawings.
Particular description of goods.—Memorials.
Claims use since Aug. 8, 1925.

Ser. No. 223,577. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GOLD SEAL ELECTRIC COMPANY, Cleveland, Ohio. Filed Nov. 20, 1925.

No claim is made for the words "Quality," "Value," and "Service," or the geographical expression "Cleveland, O." apart from the mark shown in the drawing.
Particular description of goods.—Electrical Articles as Follows: Curling Irons, Marcel Wavers, Hairdressing Irons, Curling-Iron Heaters, Soldering Irons, Electrical Hair Straighteners, Electrical Hair Dyers, Battery Clips, Toasters, Percolators, Boilers, Grills, Waffle Irons, Smoothing Irons, Heating Plates, and Reflector Heaters.
Claims use since Sept. 1, 1923.

Ser. No. 223,909. (CLASS 39. CLOTHING.) FREEMAN, BEDDOW SHOE MFG. CO., Beloit, Wis. Filed Nov. 27, 1925.

FREEMAN BEDDOW
FASHION BILDERS

Fashioned by Freeman—Built by Beddow

No claim is made to the surnames "Freeman" and "Beddow" except in the particular association and arrangement shown in drawing. No claim is made to the phrases "Fashioned by Freeman. Built by Beddow" except as shown in drawing.
Particular description of goods.—Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since Oct. 5, 1925.

Ser. No. 223,982. (CLASS 39. CLOTHING.) AFFILIATED CLOTHIERS, INC., New York, N. Y. Filed Nov. 30, 1925.

AFFILIATED CLOTHIERS

The word "Clothiers" is disclaimed apart from the association shown.
Particular description of goods.—Men's and Boys' Suits, Coats, Vests, Trousers, Overcoats, Topcoats, Sheep-lined Coats, Leather Coats, Mackinaws, Raincoats, Hats, Outer Hatbands, Caps, Mufflers; Leather, Rubber, Fabric, and Combination Gloves; Knickers, Pants, Smoking Jackets, Knitted and Textile Underwear, Hosiery, Nightshirts, Pyjamas, Bath Robes; Dress, Negligee, and Work Shirts; Blouses, Collars, Cuffs, Neckties, Scarfs, Belts for Personal Wear, Garters, Arm Bands, Suspenders, Bathing Suits, Sweaters, and Overalls.
Claims use since February, 1925.

Ser. No. 224,083. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EVERLASTIK, INC., Chelsea, Mass. Filed Dec. 2, 1925.

SNUGTEX

Particular description of goods.—Antislip Device in the Nature of Webbing or Tape the Face of Which is Provided with a Rib or Ribs of Antislip Material.
Claims use since Oct. 15, 1925.

Ser. No. 224,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. E. TILLY, doing business as Piedmont Laboratories, Atlanta, Ga. Filed Dec. 1, 1925.

ATCOL

Particular description of goods.—Germicide and Antiseptic Preparation.
Claims use since Oct. 27, 1925.

Ser. No. 224,200. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OELRICHS & Co., New York, N. Y., Boston, Mass., and Philadelphia, Pa. Filed Dec. 3, 1925.

FOB

The mark consists merely in the word "Fob."
Particular description of goods.—Carpet Wools.
Claims use since 1916.

Ser. No. 224,299. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAG-HART MALT PRODUCTS CO., La Crosse, Wis. Filed Dec. 5, 1925.

MULTI-MALT

The word "Malt" is disclaimed apart from the word "Multi."
Particular description of goods.—Malt Sirup Extract for Use as a Food.
Claims use since Mar. 1, 1918.

Ser. No. 224,301. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAG-HART MALT PRODUCTS CO., La Crosse, Wis. Filed Dec. 5, 1925.

PHYSICIAN'S CLUB

Particular description of goods.—Hop-Flavored Malt Extract for Use as a Food.
Claims use since Feb. 1, 1925.

Ser. No. 224,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAG-HART MALT PRODUCTS CO., La Crosse, Wis. Filed Dec. 5, 1925.

TAG-HART

Particular description of goods.—Malt Sirup Extract for Food Purposes and Malt Sirup Extracts Flavored With Hops for Use as a Food.
Claims use since Mar. 1, 1918.

Ser. No. 224,460. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KOTICK BOAT COMPANY, Fair Haven, N. J. Filed Dec. 9, 1925.

KOBCOS CRUISERS

No claim is made to the use of the word "Cruiser" except in the fanciful manner displayed on the drawing.
Particular description of goods.—Motor Boats.
Claims use since Nov. 1, 1925.

Ser. No. 224,478. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE A. SCHOENHUT COMPANY, Philadelphia, Pa. Filed Dec. 9, 1925.

LIBERTY

Particular description of goods.—Banjo Ukuleles.
Claims use since Nov. 14, 1925.

Ser. No. 224,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARAGON LABORATORIES, INC., Newark, N. J. Filed Dec. 10, 1925.

6 3/4

Particular description of goods.—Hair Dyes.
Claims use since 1920.

Ser. No. 224,652. (CLASS 12. CONSTRUCTION MATERIALS.) CADWALLADER-GIBSON CO., INC., Los Angeles, Calif. Filed Dec. 14, 1925.

DA

Particular description of goods.—Lumber of All Kinds, Particularly Woods Used for Panels and Doors.
Claims use since 1919.

Ser. No. 224,659. (CLASS 38. PRINTS AND PUBLICATIONS.) FOSTER AND SHORT, San Francisco, Calif. Filed Dec. 14, 1925.

The Western Shield

Particular description of goods.—Monthly Magazines.
Claims use since Nov. 1, 1925.

Ser. No. 224,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y., assignor to Caleb Crawford Company, Long Island City, N. Y., a Corporation of New York. Filed Dec. 18, 1925.

DENTAGUM

Particular description of goods.—Chewing Gum Having a Beneficial Effect Upon the Teeth and Gums.
Claims use since Dec. 9, 1925.

Ser. No. 224,869. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOULD & ROSENBERG, West New York, N. J. Filed Dec. 18, 1925.

ELAINE

"Elaine."
Particular description of goods.—Pillowcases and Fancy and Decorative Linens—viz, Tablecloths, Centerpieces, Buffet Sets, Vanity Sets, and Tray Cloths Made from Linen or Cotton Piece Goods.
Claims use since Nov. 13, 1925.

Ser. No. 225,349. (CLASS 38. PRINTS AND PUBLICATIONS.) CLIMAX PUBLISHING CORP., New York, N. Y. Filed Dec. 31, 1925.

Cowboy Stories

"Cowboy Stories."
Particular description of goods.—Monthly Magazine.
Claims use since Sept. 25, 1925.

Ser. No. 225,445. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOHN NOEL NICHOLS, doing business as J. N. Nichols & Co., Salford, England. Filed Jan 2, 1926.

VIMTO

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, Sirups and Essences for Making the Same, Mineral Potable Water, and Ginger Ale.
Claims use since 1912.

Ser. No. 225,751. (CLASS 12. CONSTRUCTION MATERIALS.) THE WHEELER, OSGOOD COMPANY, Tacoma, Wash. Filed Jan. 9, 1926.

WOCO

Particular description of goods.—Doors and Panels.
Claims use since 1903.

Ser. No. 225,758. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AT-SITE TIME SAVING DEVICE CORPORATION, New York, N. Y. Filed Jan. 11, 1926.

AT-SITE

Particular description of goods.—Calculators.
Claims use since November, 1924.

Ser. No. 225,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAIRY PRODUCTS SERVICE STATION, INC., New York, N. Y. Filed Jan. 11, 1926.

SERVICE BRAND

No claim is made for the exclusive use of the words "Service Brand" except in the setting and relation in which they appear in the drawing.
Particular description of goods.—Cheese.
Claims use since Aug. 25, 1922.

Ser. No. 225,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIDELITY SUPPLY COMPANY, Chicago, Ill. Filed Jan. 11, 1926.

"Everything for the Stockman and Farmer" appearing on the drawing are disclaimed, except in association with the mark as used.

Particular description of goods.—Veterinary Remedies and Preparations—viz, Chigger Powder, Worm Remedy, Scaly-Leg Remedy, Lice Ointment, White-Diarrhea Tabs, Canker Remedy, Roup Pills, Blister Compound, Foot-Rot Compound, Anti-Hog-Cholera Serum, Sorehead (Chicken Pox), Gape Remedy, Veterinary Liquid Worm Expeller, Disinfectant for Vaccination, Dressing Oil for Show Animals, Hog-Cholera Virus, Rat Virus, Cattle Purgative, Cathartic, Cough Powder, Fly Spray Oil, Fly Powder, Garget Ointment, Lump-Jaw Treatment, Medicated Worm Salts, Rumen Tablets, Stock Dip, Stock Tonic, Worm Capsules.

Claims use since July 1, 1921.

Ser. No. 225,782. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIDELITY SUPPLY COMPANY, Chicago, Ill. Filed Jan. 11, 1926.

Fidelity
SUPPLY CO.

Particular description of goods.—Veterinary Remedies and Preparations—viz, Chigger Powder, Worm Remedy, Scaly-Leg Remedy, Lice Ointment, White-Diarrhea Tabs, Canker Remedy, Roup Pills, Blister Compound, Foot-Rot Compound, Anti-Hog-Cholera Serum, Sorehead (Chicken Pox), Gape Remedy, Veterinary Liquid Worm Expeller, Disinfectant for Vaccination, Dressing Oil for Show Animals, Hog-Cholera Virus, Rat Virus, Cattle Purgative, Cathartic, Cough Powder, Fly Spray Oil, Fly Powder, Garget Ointment, Lump-Jaw Treatment, Medicated Worm Salts, Rumen Tablets, Stock Dip, Stock Tonic, Worm Capsules.

Claims use since July 1, 1921.

Ser. No. 225,855. (CLASS 39. CLOTHING.) THE A. P. HAT CO. INC., New York, N. Y. Filed Jan. 13, 1926.

No claim is made to the exclusive right to the words "Hat Co." apart from the other features of the mark as shown.

Particular description of goods.—Ladies', Misses', and Children's Hats.

Claims use since June, 1922.

Ser. No. 225,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IGNATIUS DE PIAZZA, Westfield, N. J. Filed Jan. 13, 1926.

No claim is made to the words "De Piazza" apart from the mark shown on the drawing.

Particular description of goods.—Ointment for Treatment of Burns, Abrasions, Internal Pains, Flow of Blood, Pimples, and Other Skin Troubles.

Claims use since Oct. 1, 1925.

Ser. No. 225,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Jan. 14, 1926.

HONEYBUNCH

"Honeybunch."

Particular description of goods.—Candy.

Claims use since Jan. 12, 1926.

Ser. No. 226,029. (CLASS 39. CLOTHING.) WALTER D. WATSON, doing business as Adirondack Hosiery, Utica, N. Y. Filed Jan. 16, 1926.

No claim is made to the word "Hose" apart from the mark shown on drawing.

Particular description of goods.—Knitted, Woolen, Cotton, and Silk Hosiery for Men, Women, and Children and Knitted, Woolen, Cotton, and Silk Golf Hosiery for Men, Women, and Children.

Claims use since Sept. 5, 1925.

Ser. No. 226,040. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. D. BROWN & CO., INC., Rochester, N. Y. Filed Jan. 18, 1926.

KANGOLA KALF

Applicant disclaims the word "Kalf" when used apart from the trade-mark herein disclosed.

Particular description of goods.—Finished Upper-Leather Calfskins.

Claims use since Nov. 18, 1925.

Ser. No. 226,060. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KILLARNEY SMOKELESS COAL COMPANY, INCORPORATED, Lynchburg, Va., and Killarney, W. Va. Filed Jan. 18, 1926.

Applicant disclaims the wording on the drawing except in the association shown.

Particular description of goods.—Coal.

Claims use since on or about Jan. 11, 1926.

Ser. No. 226,082. (CLASS 39. CLOTHING.) EDGAR M. SHANEA, Lynchburg, Va. Filed Jan. 18, 1926.

Particular description of goods.—Hosiery.

Claims use since May, 1923.

Ser. No. 226,110. (CLASS 39. CLOTHING.) NATH'L FISHER & Co., New York, N. Y. Filed Jan. 19, 1926.

The words "Arch Saver" and "Shoes" are disclaimed apart from the mark as shown.

Particular description of goods.—Shoes Made Wholly or in Part of Leather.

Claims use since Dec. 22, 1925.

Ser. No. 226,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CODAN, INC., New York, N. Y. Filed Jan. 22, 1926.

Particular description of goods.—Essential Oils, Synthetic Chemical Extracts Suitable for the Production of Perfumes, Perfume Bases, and Perfumes.

Claims use since Nov. 20, 1925.

Ser. No. 226,247. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE HUGH RHIND GOLF SHAFT COMPANY, Portsmouth, Ohio. Filed Jan. 22, 1926.

Hugh Rhind
SPECIAL

"Hugh Rhind" is a facsimile of the signature of a member of the firm. No claim is made to the name except in the exact form shown. The mark consists of the words "Hugh Rhind Special." No claim is made to the word "Special" apart from the other features of the mark shown.

Particular description of goods.—Golf Clubs and Shafts.

Claims use since Dec. 1, 1925.

Ser. No. 226,252. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CLOAK & SUIT CO., New York, N. Y. Filed Jan. 22, 1926.

"SPEEDWAY"

Particular description of goods.—Storage Batteries.

Claims use since July 1, 1925.

Ser. No. 226,372. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE W. PEVERLY, doing business as George H. Peverly Co., Pacoima, Calif. Filed Jan. 25, 1926.

Particular description of goods.—Nonalcoholic, Maltless Beverages Used as Soft Drinks, Carbonated or Still—Namely, Strawberry Soda, Ginger Ale, Ginger Beer, Root Beer, Limeade, Orangeade, and Sirups and Extracts for Preparing the Same.

Claims use since Mar. 18, 1919.

Ser. No. 226,385. (CLASS 39. CLOTHING.) C. STERN & MAYER, INC., New York, N. Y. Filed Jan. 25, 1926.

Dinard

Particular description of goods.—Cravats, Neckties, Scarfs, Mufflers, and Reefers.

Claims use since Feb. 10, 1924.

Ser. No. 226,465. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ARCOIL HEAT MACHINE CO., INC., Newark, N. J. Filed Jan. 27, 1926.

"ARCOIL"

Particular description of goods.—Oil Burners.
Claims use since Oct. 16, 1925.

Ser. No. 226,474. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. & J. CASH, INC., South Norwalk, Conn. Filed Jan. 27, 1926. Under ten-year proviso.

CASH'S

Particular description of goods.—Textile Small Wares—Namely, Woven Names, Woven Initials, Woven Numbers, Woven Labels, and Cotton Wash Trimmings.
Claims use since 1876.

Ser. No. 226,524. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WICHITA FLOUR MILLS CO., Wichita, Kans. Filed Jan. 27, 1926.

SUNNY KANSAS

No claim is made herein to the name "Kansas" apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since September, 1925.

Ser. No. 226,560. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RENO CREAMERY COMPANY, Hutchinson, Kans. Filed Jan. 28, 1926.

GOLDEN WEST
FANCY BUTTER

The words "Fancy Butter" are disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Creamery Butter.
Claims use since Mar. 7, 1917.

Ser. No. 226,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSCAR SUTTERLIN, Paris, France. Filed Jan. 28, 1926.

KOMOL

Particular description of goods.—Hair Dyes and Lotions.
Claims use since 1923.

Ser. No. 226,613. (CLASS 12. CONSTRUCTION MATERIALS.) UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill. Filed Jan. 29, 1926.

-UNARCO INSUTAPE-

Particular description of goods.—Asbestos Steam-Pipe Covering.
Claims use since May 1, 1920.

Ser. No. 226,632. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHICAGO POTTERY COMPANY, Chicago, Ill. Filed Jan. 30, 1926.

CHICAGO POTTERY CO.

No claim is made to the words "Chicago Pottery Co." "Endures Forever," and "Chicago" apart from the mark shown.
Particular description of goods.—Lavatories, Flush Tanks, Hoppers, and Vitreous-China Bowls, Tanks, Stands, Faucet Handles, Knobs, and Escutcheons.
Claims use since Aug. 1, 1924.

Ser. No. 226,647. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE P. A. GEIER COMPANY, Cleveland, Ohio. Filed Jan. 30, 1926.

ROYAL

"Royal."
Particular description of goods.—Washing Machines.
Claims use since October, 1917.

Ser. No. 226,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS FANCY GROCERY CO., Indianapolis, Ind. Filed Jan. 30, 1926.

SUNBONNET

Particular description of goods.—Canned Vegetables—Namely, Peas, Corn, Beets, Spinach, Tomatoes, Beans, Asparagus Tips, Sweet Potatoes, Sauerkraut, Hominy, Pumpkin, Pimientos; Canned Fruits—Namely, Cherries, Pineapple, Pears, Peaches, Fruit Salad, Apricots, Canned Berries—Namely, Strawberries, Blackberries, Black Raspberries; Canned Fish—Namely, Tunny, Salmon, Oysters, Shrimp; Peanut Butter, Chile Sauce, Tomato Catchup, Rolled Oats, Table Sirup, Spaghetti, and Canned Pork and Beans.
Claims use since March, 1910.

Ser. No. 226,658. (CLASS 5. ADHESIVES.) CHARLES F. JOHNSON, doing business as Charles F. Johnson & Co., Chicago, Ill. Filed Jan. 30, 1926.

Galacite

Particular description of goods.—Puncture Seal for Tires.
Claims use since Jan. 26, 1926.

Ser. No. 226,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOTHE, WELLS & BAUER COMPANY, Indianapolis, Ind. Filed Jan. 30, 1926.

POINT LACE

Particular description of goods.—Canned Fish—Namely, Salmon, Shrimps, Sardines, Tunny Fish, Oysters, and Crab Meat; Canned Fruit—Namely, Pineapple, Cherries, Apple Butter; Canned Vegetables—Namely, Asparagus Tips, Peas, and Mushrooms; Coffee, Jelly Fruit Preserves, Raisins, Canned Soup, Chile Con Carne, Canned Pimientos, Chop Suey, Peanut Butter, Spices, Olives, Salad Dressing, French Dressing, Thousand Island Dressing; Sandwich Spread Composed of Salad Oil, Fresh Eggs, Vinegar, and Condiments; Mayonnaise, Olive Oil, Spaghetti, Macaroni, Rolled Oats, Dried Currants, Mincemeat, Maple Sirup, Dried Peaches, Dried Apricots, Dried Prunes, Chili Sauce, and Catchup, Prepared Mustard, and Tinned Dates.
Claims use since 1902.

Ser. No. 226,676. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PARKER & WATERMAN MANUFACTURING CO., Los Angeles, Calif. Filed Jan. 30, 1926.

NAMEMARK

Particular description of goods.—Tire Covers.
Claims use since Sept. 1, 1925.

Ser. No. 226,726. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Feb. 1, 1926.

Super-White

Applicant disclaims the word "White" apart from the mark shown.
Particular description of goods.—Soap.
Claims use since on or about Dec. 1, 1925.

Ser. No. 226,727. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Feb. 1, 1926.

FLAKE

Particular description of goods.—Soap.
Claims use since on or about July 1, 1887.

Ser. No. 226,740. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RUNDLE MANUFACTURING CO., Milwaukee, Wis. Filed Feb. 1, 1926.

SERVICE
RUNDLE
QUALITY

No claim is made to the words "Rundle," "Service," and "Quality" apart from the other features of the mark. The drawing is lined for black and gold.
Particular description of goods.—Sanitary Plumbing Enamel Ware—Viz, Bathtubs, Washbasins, Sitz Baths, Shower-Bath Receptors, Enameled Inside Tanks, Drinking Fountains, Lavatories, Kitchen Sinks, Factory Wash Sinks, Urinals, Slop Sinks, Sink Backs, and Enameled Laundry Tubs.
Claims use since Sept. 19, 1925.

Ser. No. 226,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Feb. 1, 1926.

WASHBURN-CROSBY CO'S SOBERANA HARINA DE TRIGO.

The words "Harina de Trigo" and "Washburn-Crosby Co's" apearing on the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Wheat Flour.

Claims use since Dec. 31, 1924.

Ser. No. 226,890. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EASTMAN MFG. CO., Manitowoc, Wis. Filed Feb. 5, 1926.

The EASTMAN Way

No claim is made herein to the surname "Eastman" apart from the mark shown in the drawing.

Particular description of goods.—Insulating Covers for Electric Heater Plugs.

Claims use since May, 1924.

Ser. No. 226,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESKIMO PIE CORPORATION, Louisville, Ky. Filed Feb. 5, 1926.

GLACIER

Particular description of goods.—Candy Covering for Frozen Confections.

Claims use since July 1, 1925.

Ser. No. 226,906. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINCOLN STEEL & FORGE COMPANY, St. Louis, Mo. Filed Feb. 5, 1926.

AIRLINE

Particular description of goods.—Lubricating Apparatus.

Claims use since about Nov. 9, 1925.

Ser. No. 226,921. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE STEARNS & FOSTER COMPANY, Lockland, Ohio. Filed Feb. 5, 1926.

Special

No claim is made for the word "Special" except as shown in drawing.

Particular description of goods.—Cotton Batting.

Claims use since Mar. 17, 1925.

Ser. No. 226,932. (CLASS 38. PRINTS AND PUBLICATIONS.) BACHRACH, INCORPORATED, Newton and Boston, Mass.; Providence, R. I.; Hartford and New Haven, Conn.; Lowell and Waterbury, Mass.; Jamaica, N. Y.; Allentown, Pa.; New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Pittsburgh, Pa.; East Orange, N. J.; Brooklyn, Albany, and Mount Vernon, N. Y.; Detroit, Mich.; Worcester and Fall River, Mass.; Portland, Me.; Lynn and Lawrence, Mass.; Scranton and Philadelphia, Pa.; Washington, D. C.; Cincinnati, Ohio; New Bedford, Mass.; Columbus, Ohio; Indianapolis, Ind.; Wilkes-Barre, Pa.; Utica, N. Y., and Manchester, N. H. Filed Feb. 6, 1926.

KINDERGRAPH

Particular description of goods.—Photographs.

Claims use since 1915.

Ser. No. 226,934. (CLASS 38. PRINTS AND PUBLICATIONS.) BACHRACH, INCORPORATED, Newton and Boston, Mass.; Providence, R. I.; Hartford and New Haven, Conn.; Lowell and Waterbury, Mass.; Jamaica, N. Y.; Allentown, Pa.; New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Pittsburgh, Pa.; East Orange, N. J.; Brooklyn, Albany, and Mount Vernon, N. Y.; Detroit, Mich.; Worcester and Fall River, Mass.; Portland, Me.; Lynn and Lawrence, Mass.; Scranton and Philadelphia, Pa.; Washington, D. C.; Cincinnati, Ohio; New Bedford, Mass.; Columbus, Ohio; Indianapolis, Ind.; Wilkes-Barre, Pa.; Utica, N. Y., and Manchester, N. H. Filed Feb. 6, 1926.

CHILDTRAIT

Particular description of goods.—Photographs.

Claims use since 1905.

Ser. No. 226,945. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NATIONAL DIRECT ADVERTISING CORPORATION, New York, N. Y. Filed Feb. 6, 1926.

"BOSOM FRIEND"

Particular description of goods.—Shirt Boards Made of Cardboard and Adapted for the Folding of the Shirts About the Same in Order to Maintain the Same in Neat Condition During Shipment and the Like.

Claims use since on or about Jan. 22, 1926.

Ser. No. 226,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN T. GOLDMAN, St. Paul, Minn. Filed Feb. 6, 1926.

Applicant disclaims exclusive right to the representation of the carton and all wording appearing on the drawing with the exception of the facsimile signature of "B. T. Goldman," the words "Goldman" and "Mary T. Goldman" apart from the mark as shown.

Particular description of goods.—Hair-Color Restorer.

Claims use since November, 1925.

Ser. No. 226,961. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LAURA N. MCCARTY, doing business as Liquid Grape Company, Lee Heights, Cherrydale, Va. Filed Feb. 6, 1926.

All words appearing on the drawing are disclaimed with the exception of the words "Liquid Grape."

Particular description of goods.—Grape Juice.

Claims use since Jan. 21, 1926.

Ser. No. 226,974. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAY THOMAS, INC., Los Angeles, Calif. Filed Feb. 6, 1926.

VOICE TESTED

Particular description of goods.—Radiotubes.

Claims use since Aug. 1, 1925.

Ser. No. 226,982. (CLASS 37. PAPER AND STATIONERY.) SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga. Filed Feb. 6, 1926.

Scripto Commercial Unit

Particular description of goods.—Propeller Pencils and Leads Therefor.

Claims use since Nov. 10, 1924.

Ser. No. 226,983. (CLASS 37. PAPER AND STATIONERY.) SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga. Filed Feb. 6, 1926.

Scripto Efficiency Unit

Particular description of goods.—Propeller Pencils and Leads Therefor.

Claims use since Jan. 24, 1925.

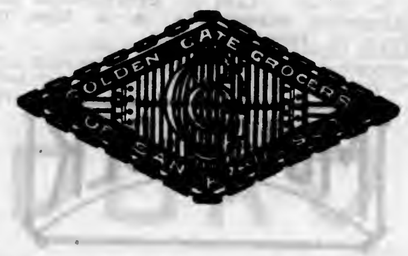
Ser. No. 226,994. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE J. ZEIS, doing business as The Wiggler Company, Buffalo, N. Y. Filed Feb. 6, 1926.

ROTASCOPE

Particular description of goods.—Rotating Toy for Attaching to Automobiles.

Claims use since Nov. 29, 1924.

Ser. No. 227,011. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN GATE GROCERS OF SAN FRANCISCO, San Francisco, Calif. Filed Feb. 8, 1926.



All wording with the exception of the monogram are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Butter.

Claims use since Jan. 1, 1926.

Ser. No. 227,039. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANJO FRUIT JUICE CORPORATION, Los Angeles, Calif. Filed Feb. 8, 1926.

ORANJO

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as Soft Drinks and Flavoring for Making the Same.
Claims use since June, 1925.

Ser. No. 227,042. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE D. SAX, Peoria, Ill. Filed Feb. 8, 1926.

Particular description of goods.—Weekly Circulars.
Claims use since about Mar. 1, 1919.

Ser. No. 227,043. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE D. SAX, Peoria, Ill. Filed Feb. 8, 1926.

Particular description of goods.—Weekly Circulars.
Claims use since about Mar. 1, 1919.

Ser. No. 227,045. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) H. M. SHEER CO. Quincy, Ill. Filed Feb. 8, 1926.

Particular description of goods.—Incubators.
Claims use since 1919.

Ser. No. 227,047. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOAQUIN R. TORNES, Ada, Ohio. Filed Feb. 8, 1926.

Drawing is lined for red.
Particular description of goods.—Chance-Controlled Parlor Game Played With Pieces.
Claims use since Mar. 15, 1925.

Ser. No. 227,079. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MENKE, KAUFMANN & CO., INC., New York, N. Y. Filed Feb. 9, 1926.

SEA WAVE

Particular description of goods.—Silk Goods in the Piece.
Claims use since on or about Feb. 1, 1926.

Ser. No. 227,148. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JAMES W. THOMPSON, White Plains, N. Y. Filed Feb. 10, 1926.

BURNALL

"Burnall."
Particular description of goods.—Incinerators.
Claims use since June 15, 1925.

Ser. No. 227,150. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE WISE FURNACE COMPANY, Akron, Ohio. Filed Feb. 10, 1926.

The words "Wise Furnaces—Less Fuel—More Heat" are disclaimed.
Particular description of goods.—Hot-Air Furnaces.
Claims use since Jan. 1, 1925.

Ser. No. 227,168. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ELECTRIC ALARM CO. INC., Denver, Colo. Filed Feb. 11, 1926.

STOP-A-THIEF

Particular description of goods.—Electrical Antitheft Alarm Devices for the Intermittent Actuation of Visible and Audible Signals for General Use, and Particularly for Use In Connection With Animal-Drawn and Motor Vehicles.
Claims use since December, 1923.

Ser. No. 227,171. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMMA FIFER, Indianola, Pa. Filed Feb. 11, 1926.

Particular description of goods.—Preparation for the Hair as an Aid to Beauty, Growth, and Softness.
Claims use since Feb. 25, 1925.

Ser. No. 227,199. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Feb. 11, 1926.

WINDSOR-B

Applicant disclaims the word "Windsor" apart from the other features of the mark as shown.
Particular description of goods.—Sewing Machines.
Claims use since Aug. 1, 1914.

Ser. No. 227,222. (CLASS 12. CONSTRUCTION MATERIALS.) THE CURTAIN SUPPLY COMPANY, Chicago, Ill., and Elkhart, Ind. Filed Feb. 12, 1926.

REX

Particular description of goods.—Weather Stripping.
Claims use since about Jan. 10, 1920.

Ser. No. 227,226. CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Feb. 12, 1926.

FANSTEEL
Balkite

Particular description of goods.—Battery Chargers, Battery Eliminators, Resistances, Transformers, Condensers, Electrolytic Rectifiers, Electrodes for Electrolytic Cells, and Parts of the Foregoing.
Claims use since May 1, 1923.

Ser. No. 227,231. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN EAGLE MILLING CO., Petaluma, Calif. Filed Feb. 12, 1926.

No claim is made to the words "Perfect Balanced Ration" aside from the mark shown.
Particular description of goods.—Prepared Dairy and Poultry Foods.
Claims use since May 15, 1923.

Ser. No. 227,250. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE SACHS-LAWLOR MACHINE & MANUFACTURING CO., Denver, Colo. Filed Feb. 12, 1926.

DURO

Particular description of goods.—Dog and Cat Collars, Dog Harness, Dog Leashes, and Dog Muzzles, All of Leather.
Claims use since July 1, 1924.

Ser. No. 227,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALVATORE MONTAPERTO, Brooklyn, N. Y. Filed Feb. 13, 1926.

The female figure is fanciful. The lining shown in the drawing indicates shading and not any particular color scheme.

Particular description of goods.—Olive Oil.
Claims use since May 15, 1925.

Ser. No. 227,323. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo. Filed Feb. 15, 1926.

Phelac

Particular description of goods.—Brushing Lacquer.
Claims use since Jan. 2, 1926.

Ser. No. 227,330. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y. Filed Feb. 15, 1926.

T & B

Particular description of goods.—Heating and Ventilating Apparatus—Namely, Grilles, Screens, Registers, and Ventilators, Either Plain or Ornamental, of Bronze, Brass, Iron, and Steel.
Claims use since about 1923.

Ser. No. 227,332. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OLIVER C. RITZ WOLLER, doing business as American Automatic Devices Company, Chicago, Ill. Filed Feb. 15, 1926.

ALUMINO

Particular description of goods.—Electric Lamps for Automotive Vehicles, Comprising Signal Lamps, Courtesy Lamps, Headlights, and Spot Lamps.
Claims use since on or about Jan. 1, 1926.

Ser. No. 227,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Feb. 16, 1926.

ADAMS PEPPIMINT GUM

Exclusive right to the use of the word "Gum" is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Chewing Gum.
Claims use since Jan. 21, 1924.

Ser. No. 227,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK R. DUBBY, Penn Yan, N. Y. Filed Feb. 16, 1926.

The words "First Prize" are disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Mayonnaise Salad Dressing.
Claims use since Jan. 1, 1923.

Ser. No. 227,347. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) FISHBEIN & Co. INC., New York, N. Y. Filed Feb. 16, 1926.

Particular description of goods.—Leather and Fabric Pocketbooks and Hand Bags.
Claims use since Feb. 6, 1926.

Ser. No. 227,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETE ANONYME DES FROMAGERIES CH. GERVAIS, Paris, France. Filed Feb. 16, 1926.

No claim is made to the wording shown.
Particular description of goods.—Cheese.
Claims use since February, 1924.

Ser. No. 227,390. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CITRUS CHEMICAL COMPANY, Baltimore, Md. Filed Feb. 17, 1926.

ORANGE SALAX

Particular description of goods.—Laxatives.
Claims use since Nov. 1, 1924.

Ser. No. 227,393. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE COMMERCIAL PASTE COMPANY, Columbus, Ohio. Filed Feb. 17, 1926.

REDDY CLEANSER

The lining of the drawing is merely for the purpose of shading. The word "Cleanser" is disclaimed apart from the mark shown in the drawing.

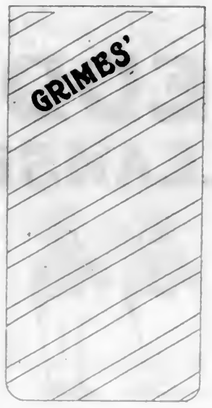
Particular description of goods.—Cleanser for Cleaning Painted Metal, Woodwork, Bathroom Fixtures, Tapestries, Rugs, Clothing, and Furniture.
Claims use since Jan. 2, 1926.

Ser. No. 227,402. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN PERCY GRIMES, doing business as Grimes Milling Company, Salisbury, N. C. Filed Feb. 17, 1926.

"Grimes" alone is not claimed except in association with the other features of the mark.

Particular description of goods.—Best Patent Wheat Flour.
Claims use since Aug. 7, 1913.

Ser. No. 227,403. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN PERCY GRIMES, doing business as Grimes Milling Company, Salisbury, N. C. Filed Feb. 17, 1926.



"Grimes" alone is not claimed in this application except as associated with the other features of the mark.

Particular description of goods.—Self-Rising Wheat Flour.

Claims use since Aug. 7, 1913.

Ser. No. 227,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN PERCY GRIMES, doing business as Grimes Milling Company, Salisbury, N. C. Filed Feb. 17, 1926.

GRIMES

"Grimes" alone is not claimed in this application except as associated with the other features of the mark.

Particular description of goods.—Hog Feed.

Claims use since Aug. 7, 1913.

Ser. No. 227,418. (CLASS 30. CROCKERY, EARTHERNWARE, AND PORCELAIN.) THE ROBINSON-RANSBOTTOM POTTERY COMPANY, Roseville, Ohio. Filed Feb. 17, 1926.

Particular description of goods.—Pottery, Crockery, Earthenware, and Porcelain.

Claims use since May, 1924.

Ser. No. 227,466. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa. Filed Feb. 18, 1926.

NICOPOLISH

The word "Polish" is disclaimed apart from the mark shown.

Particular description of goods.—Nickel and Brass Polish.

Claims use since Dec. 15, 1925.

Ser. No. 227,467. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa. Filed Feb. 18, 1926.

SAXO POLISH

The word "Polish" is disclaimed apart from the mark as shown.

Particular description of goods.—Silver and Gold Polish.

Claims use since Dec. 15, 1925.

Ser. No. 227,476. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Feb. 18, 1926.

RSCO

Particular description of goods.—Switch Plates, Attachment Plugs, Outlets, Heater-Connecter Switches, Taps, Receptacles, Heater-Connecter Plugs, Appliance-Cord Sets, Electric Switches, Electrical Fixture Sockets, and Multiple Sockets.

Claims use since Mar. 27, 1925.

Ser. No. 227,530. (CLASS 10. FERTILIZERS.) NITRATE AGENCIES COMPANY, New York, N. Y. Filed Feb. 19, 1926.

NITRATE AGENCIES COMPANY NACO BRAND

No claim is made to the exclusive use of the words "Brand" and "Nitrate Agencies Company" apart from the mark as shown.

Particular description of goods.—Fertilizer.

Claims use since Nov. 1, 1921.

Ser. No. 227,556. (CLASS 39. CLOTHING.) J. N. ADAM & CO., Buffalo, N. Y. Filed Feb. 20, 1926.

J.N. Standard

No claim is made to the exclusive right to the use of the word "Standard" apart from the mark shown.

Particular description of goods.—Men's Suits, Trousers, Coats, and Vests.

Claims use since Dec. 1, 1925.

Ser. No. 227,563. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLUEFIELD COAL & COKE COMPANY, Bluefield, W. Va. Filed Feb. 20, 1926.

Pocahontas Coal

The exclusive use of the words "Pocahontas Coal" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since 1905.

Ser. No. 227,591. (CLASS 39. CLOTHING.) P. W. MINOR & SON INC., Batavia, N. Y. Filed Feb. 20, 1926.

DE LUXE

Particular description of goods.—Boots and Shoes of Leather and Fabric and Combination of Leather and Fabric.

Claims use since Sept. 4, 1900.

Ser. No. 227,624. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARMSTRONG PACKING COMPANY, Dallas, Tex. Filed Feb. 23, 1926.

AAA STOCK

No claim is made to the word "Stock" apart from the mark shown in the drawing.

Particular description of goods.—Soap.

Claims use since November, 1903.

Ser. No. 227,640. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DOUBLE HITCH BRAKE CO., San Francisco, Calif. Filed Feb. 23, 1926.

GLASSEYE

Particular description of goods.—Automobile Accessories—Namely, a Glare Shield for Use in Association with Windshields.

Claims use since Feb. 8, 1926.

Ser. No. 227,652. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOKOMO STEEL & WIRE CO., Kokomo, Ind. Filed Feb. 23, 1926.

Liberty JUNIOR

Particular description of goods.—Fencing—viz, Farm and Poultry Fence and Ornamental Fence Made of Wire and Iron and Gates Therefor of the Same Materials.

Claims use since Feb. 1, 1926.

Ser. No. 227,653. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOKOMO STEEL & WIRE CO., Kokomo, Ind. Filed Feb. 23, 1926.

PIONEER

Particular description of goods.—Fencing—viz, Farm and Poultry Fence and Ornamental Fence Made of Wire and Iron and Gates Therefor of the Same Materials.
Claims use since June 2, 1905.

Ser. No. 227,654. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOKOMO STEEL & WIRE CO., Kokomo, Ind. Filed Feb. 23, 1926.

Victory

Particular description of goods.—Fencing—viz, Farm and Poultry Fence and Ornamental Fence Made of Wire and Iron and Gates Therefor of the Same Materials.
Claims use since Feb. 3, 1915.

Ser. No. 227,655. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOKOMO STEEL & WIRE CO., Kokomo, Ind. Filed Feb. 23, 1926.

CHAMPION

Particular description of goods.—Farm and Poultry Fence and Ornamental Fence Made of Wire and Iron and Gates Therefor of the Same Materials.
Claims use since Feb. 1, 1926.

Ser. No. 227,656. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOKOMO STEEL & WIRE CO., Kokomo, Ind. Filed Feb. 23, 1926.

Liberty

Particular description of goods.—Farm and Poultry Fence and Ornamental Fence Made of Wire and Iron and Gates Therefor of the Same Materials.
Claims use since Jan. 22, 1924.

Ser. No. 227,703. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN CHEMICAL COMPANY, St. Joseph, Mo. Filed Feb. 23, 1926.

Particular description of goods.—Liquid Cleaner for Woodwork, Linoleum, Tile, Marble, and Terrazzo Surfaces and Furniture.
Claims use since Feb. 1, 1925.

Ser. No. 227,735. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FARIES MANUFACTURING COMPANY, Decatur, Ill. Filed Feb. 24, 1926.

VERDELITE

Particular description of goods.—Electric Desk and Table Lamps.
Claims use since 1905.

Ser. No. 227,747. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLEMENT F. KUNKLER, doing business as Pla-San Laboratories, Columbus, Ohio. Filed Feb. 24, 1926.

PLA-SAN

Particular description of goods.—False-Teeth Cleanser.
Claims use since Sept. 5, 1924.

Ser. No. 227,754. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROLFE IRON COMPANY, Mason City, Iowa. Filed Feb. 24, 1926.

No claim is made to the illustration of the goods apart from the mark shown. The mark consists in coloring the round cap on the posts, gates, columns, and poles green in contrast with the coloring of the other parts.
Particular description of goods.—Tubular Metal Equipment—Namely, Gates, Braces, Posts, Columns, and Poles.
Claims use since June 1, 1925.

Ser. No. 227,759. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TOLMAN-FOX CORPORATION, Boston, Mass. Filed Feb. 24, 1926.

No claim is made to the word "Brand."
Particular description of goods.—Leathers.
Claims use since Apr. 15, 1925.

Ser. No. 227,800. (CLASS 39. CLOTHING.) THE S. KANN SONS COMPANY, Washington, D. C. Filed Feb. 25, 1926.

MERRYMAID

Particular description of goods.—Ladies', Misses', and Children's Shoes Constructed of Leather, Fabric, and Combinations of These Materials.
Claims use since May 12, 1924.

Ser. No. 227,819. (CLASS 12. CONSTRUCTION MATERIALS.) THE WILLIAMSON VENEER CO., Baltimore, Md. Filed Feb. 25, 1926.

BIRMHY

Particular description of goods.—Lumber and Veneers.
Claims use since Feb. 1, 1926.

Ser. No. 227,842. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLIN B. KENNEDY CORPORATION, St. Louis, Mo. Filed Feb. 26, 1926.

QUIETRON

Particular description of goods.—Weight Appliance for Attachment to Vacuum Tubes to Damp Vibration Thereof.
Claims use since Feb. 10, 1926.

Ser. No. 227,857. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SCHOLL MFG. CO. INC., Chicago, Ill. Filed Feb. 26, 1926.

KIRO

Particular description of goods.—Pads, Plasters, and Medicated Shields for Corns, Calli, Bunions, and Other Foot Troubles and Irritations.
Claims use since Jan. 2, 1915.

Ser. No. 227,861. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE STERLING PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 26, 1926.

Vonite

Particular description of goods.—Fume and Acid Resisting Paints for General Use.
Claims use since about Jan. 1, 1910.

Ser. No. 227,867. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WUMBEC TEXTILE COMPANY, New York, N. Y. Filed Feb. 26, 1926.

WUMBEC

Particular description of goods.—Pillowcases, Sheets, Blankets, Curtain Goods, Towels, Draperies, Napkins, Piece Goods, and Table Linen, of Cotton, Linen, and Mixtures Thereof.
Claims use since July, 1925.

Ser. No. 227,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARBONELL & Co. (S. EN C.), Cordoba, Spain. Filed Feb. 27, 1926.

Exclusive use of the wording and the representation of the container of the goods appearing on the drawing is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Pure Olive Oils.

Claims use since August, 1916.

Ser. No. 227,877. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARBONELL & Co. (S. EN C.), Cordoba, Spain. Filed Feb. 27, 1926.

Exclusive use to the wording appearing on the drawing is disclaimed apart from the mark shown.

Particular description of goods.—Soaps.

Claims use since December, 1924.

Ser. No. 227,879. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARBONELL & Co. (S. EN C.), Cordoba, Spain. Filed Feb. 27, 1926.

The exclusive use of the words "Carbonell y Cª Cordoba, Espana" appearing in the drawing is disclaimed.

Particular description of goods.—Soaps.

Claims use since December, 1924.

Ser. No. 227,893. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE JOHNS-PRATT COMPANY, Hartford, Conn. Filed Feb. 27, 1926.

Particular description of goods.—(*a*) Electrical Protective Circuit Opening and Controlling Devices—Namely, Switches, Fuses, Fuse Accessories, Cut-Outs, and Inclosed Cases, Boxes, or Cabinets; (*b*) Meter-Service Protective and Testing Devices—Namely, Service Switches, Meter Test Blocks, and Meter Protective Fittings; (*c*) Electric Lighting and Service Supplies—Namely, Lamp Sockets, Plugs, Receptacles, Insulators, Insulating Compounds; and (*d*) Underground Junction Boxes.

Claims use since about Dec. 1, 1898, for goods in group *a*, and since about Jan. 1, 1913, for goods in groups *b*, *c*, and *d*.

Ser. No. 227,895. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE JOHNS-PRATT COMPANY, Hartford, Conn. Filed Feb. 27, 1926.

Particular description of goods.—Electrical Protective Circuit Opening and Controlling Devices—Namely, Switches, Fuses, Fuse Accessories, Cut-Outs, and Inclosed Cases, Boxes, or Cabinets; Meter-Service Protective and Testing Devices—Namely, Service Switches, Meter Test Blocks, and Meter Protective Fittings; Electric Lighting and Service Supplies—Namely, Lamp Sockets, and Underground Junction Boxes.

Claims use since about June 1, 1925.

Ser. No. 227,913. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAVID W. SANKEY, Mifflinburg, Pa. Filed Feb. 27, 1926.

Particular description of goods.—Leather Preservatives in Paste and Liquid Form.

Claims use since 1903.

Ser. No. 227,919. (CLASS 39. CLOTHING.) THE L. D. STICKLES SHOE COMPANY, Red Wing, Minn. Filed Feb. 27, 1926.

Hercules

Particular description of goods.—Leather Boots and Shoes.

Claims use since October, 1924.

Ser. No. 227,920. (CLASS 39. CLOTHING.) THE L. D. STICKLES SHOE COMPANY, Red Wing, Minn. Filed Feb. 27, 1926.

Kampus-Kicks

Particular description of goods.—Leather Boots and Shoes.

Claims use since January, 1926.

Ser. No. 227,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK P. DINA, Brooklyn, N. Y. Filed Mar. 1, 1926.

VEINTENE

Particular description of goods.—Pile Ointment.

Claims use since Nov. 15, 1925.

Ser. No. 227,944. (CLASS 27. HOROLOGICAL INSTRUMENTS.) M. EPSTEIN & BRO., New York, N. Y. Filed Mar. 1, 1926.

EPBRO

Particular description of goods.—Watches, Parts of Watches, and Watchcases.

Claims use since Mar. 1, 1925.

Ser. No. 227,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn. Filed Mar. 1, 1926.

No claim is made for the words "Minneapolis, Minnesota" and "Minneapolis Milling Company" apart from the other features of the mark. The mark consists of a shield in blue enclosing a five-point star in red, on which appears the words "Minneapolis Milling Company, Minneapolis, Minnesota". Within the shield and the star blank, places are provided for the insertion of words descriptive of the products packed.

Particular description of goods.—Durum Feed and Durum Flour.

Claims use since about May 1, 1922.

Ser. No. 227,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN ROBBINS, doing business as Robbins Medicine Company, New York, N. Y. Filed Mar. 1, 1926.

PULMOSETE

Particular description of goods.—Stimulant Expectorant.
Claims use since July 1, 1925.

Ser. No. 227,996. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HAMBLEN CEDAR CHEST COMPANY, Morristown, Tenn. Filed Mar. 2, 1926.

Benkase

Particular description of goods.—Wooden Clock Cases.
Claims use since Jan. 1, 1926.

Ser. No. 228,021. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Mar. 3, 1926.

Filtrola

Particular description of goods.—Wave Filtering Apparatus for Radio Receiving Sets.
Claims use since Feb. 1, 1926.

Ser. No. 228,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIE A. CHAPDELAIN, Woodbridge, Calif. Filed Mar. 3, 1926.

KING OF THE PACKS

The lining on the drawing indicates the color red.
Particular description of goods.—Fresh Table Grapes.
Claims use since Sept. 1, 1925.

Ser. No. 228,077. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZONITE PRODUCTS COMPANY, New York, N. Y. Filed Mar. 3, 1926.

Zonite

Particular description of goods.—Antiseptic Germ Destroyer, Disinfectant, Deodorant, and Bleach.
Claims use since Aug. 2, 1917.

Ser. No. 228,079. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH A. ADAMS, Chicago, Ill. Filed Mar. 4, 1926.

FraternitySet

Particular description of goods.—Periodical Published Monthly.
Claims use since Sept. 1, 1924.

Ser. No. 228,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FENNVILLE FRUIT EXCHANGE, Fennville, Mich. Filed Mar. 4, 1926.

F

Particular description of goods.—Fresh Fruits—Namely, Peaches, Pears, Plums, and Apples.
Claims use since August, 1922.

Ser. No. 228,102. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Mar. 4, 1926.

PONTIAC CHIEF OF THE SIXES — PRODUCT OF GENERAL MOTORS

No claim is made to the exclusive right to the use of the words "Product of General Motors" independent of and apart from the mark illustrated in the drawing.
Particular description of goods.—Automobiles.
Claims use since Dec. 17, 1925.

Ser. No. 228,124. (CLASS 16. PAINTS, AND PAINTERS' MATERIALS.) MIDWEST VARNISH CO., Chicago, Ill. Filed Mar. 4, 1926.

KEEN SHEEN

Particular description of goods.—Automobile Polish.
Claims use since Dec. 15, 1925.

Ser. No. 228,128. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW ENGLAND MILLS CO., Chicago, Ill. Filed Mar. 4, 1926.

The Little Salesman

Particular description of goods.—Catalogues Published at Intervals.
Claims use since June 1, 1914.

Ser. No. 228,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OVELMO COMPANY, doing business as Nu-Way Cod Laboratories, Fort Wayne, Ind. Filed Mar. 4, 1926.

Nu-Way Cod

No claim is made to the word "Cod" apart from the mark shown in the drawing.
Particular description of goods.—Tasteless Cod-Liver-Oil Tablets.
Claims use since Jan. 2, 1926.

Ser. No. 228,135. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 4, 1926.

ECKO

Particular description of goods.—Violin Strings.
Claims use since December, 1923.

Ser. No. 228,136. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 4, 1926.

MY BUDDY

Particular description of goods.—Toy Musical Instruments.
Claims use since April, 1924.

Ser. No. 228,137. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 4, 1926.

Royal Crown

Particular description of goods.—Violin Strings.
Claims use since Oct. 1, 1925.

Ser. No. 228,170. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE BEAVER SOAP COMPANY, Dayton, Ohio. Filed Mar. 5, 1926.

RAINO

Particular description of goods.—Cocoa Castile Hard-Water Soap.
Claims use since Feb. 22, 1926.

Ser. No. 228,173. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CEREAL SOAPS CO. INC., New York, N. Y. Filed Mar. 5, 1926.

Pinefoam

No claim is made to the exclusive use of the word "Pine" apart from the mark shown.

Particular description of goods.—Shampoo Soap.

Claims use since Oct. 15, 1925.

Ser. No. 228,186. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) F. F. GATCHELL, Springfield, Mass. Filed Mar. 5, 1926.

NON-SKID

Particular description of goods.—Plectrums.

Claims use since Feb. 24, 1926.

Ser. No. 228,207. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Mar. 5, 1926.

SQUIRE'S

Particular description of goods.—Pickles, Mustard, Catchup, Jellies, Jams, Fruit Butters, and Fruit Preserves.

Claims use since Mar. 31, 1925.

Ser. No. 228,209. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 5, 1926.

STARS
BARS AND CIRCLE

Particular description of goods.—Refined, Semirefined, and Unrefined Oils and Greases Made from Petroleum, Both with and without Admixture of Animal, Vegetable, or Mineral Substances, for Illuminating, Burning, Power, Solvent, Fuel, and Lubricating Purposes.

Claims use since Dec. 7, 1925.

Ser. No. 228,214. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Mar. 6, 1926.

CYANOGAS

Particular description of goods.—Dusters — Namely, Sprayers and Parts Thereof.

Claims use since July 29, 1925.

Ser. No. 228,216. (CLASS 39. CLOTHING.) APPALACHIAN OVERALL COMPANY, Knoxville, Tenn. Filed Mar. 6, 1926.

No claim is made for "2 lbs." apart from the mark shown.

Particular description of goods.—Overalls, Work Pants, Work Shirts, Overall Coats, and Overall Combination Suits.

Claims use since Feb. 1, 1925.

Ser. No. 228,217. (CLASS 39. CLOTHING.) APPALACHIAN OVERALL COMPANY, Knoxville, Tenn. Filed Mar. 6, 1926.

No claim is made for the words "Beats 'em All" apart from the mark shown.

Particular description of goods.—Overalls, Work Pants, Work Shirts, Overall Coats, and Overall Combination Suits.

Claims use since Feb. 1, 1925.

Ser. No. 228,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Mar. 6, 1926.

CABRILLO

Particular description of goods.—Chocolate Candy.

Claims use since about Feb. 10, 1926.

Ser. No. 228,232. (CLASS 39. CLOTHING.) EINHORN BROTHERS, Philadelphia, Pa. Filed Mar. 6, 1926.

Fleurette

Particular description of goods.—Children's Dresses.

Claims use since on or about Aug. 1, 1925.

Ser. No. 228,254. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FRANK LATKA, Jersey, City, N. J. Filed Mar. 6, 1926.

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same.

Claims use since June 1, 1923.

Ser. No. 228,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAP-I-DOL CO., INC., Newark, N. J. Filed Mar. 6, 1926.

INSULAX

Particular description of goods.—Hair Colorings.

Claims use since June, 1925.

Ser. No. 228,272. (CLASS 39. CLOTHING.) LOUIS SHULMAN, doing business as The Burlington Company, Philadelphia, Pa. Filed Mar. 6, 1926.

No claim is made to the word "Raincoats" apart from the mark shown.

Particular description of goods.—Raincoats.

Claims use since Feb. 11, 1926.

Ser. No. 228,274. (CLASS 12. CONSTRUCTION MATERIALS.) F. L. SMIDTH & CO., New York, N. Y. Filed Mar. 6, 1926.

VELO

Particular description of goods.—Portland Cement.

Claims use since Jan. 19, 1926.

Ser. No. 228,280. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALTER TRIESCH, doing business as Walter Triesch, Stahlwarenfabrik, Foche-Solingen, Germany. Filed Mar. 6, 1926.

Particular description of goods.—Razors, Hair-Clipping Machines.

Claims use since April, 1920.

Ser. No. 228,324. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INCORPORATED, New York, N. Y. Filed Mar. 8, 1926.

Ghost
STORIES

Particular description of goods.—Monthly Magazines.

Claims use since Mar. 5, 1926.

Ser. No. 228,327. (CLASS 39. CLOTHING.) MIDDLESEX KNITTING COMPANY, INCORPORATED, Wakefield, Mass. Filed Mar. 8, 1926.

FENWAY

Particular description of goods.—Knitted Outerwear—Namely, Bathing Suits, Sweaters, and Golf Hose.

Claims use since Jan. 1, 1925.

Ser. No. 228,337. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WALTER G. TURPISCH, Stapleton, N. Y. Filed Mar. 8, 1926.

PROTEC-TO-PACK

The word "Pack" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Cigarette-Package Holders.

Claims use since Aug. 12, 1924.

Ser. No. 228,346. (CLASS 39. CLOTHING.) BENJAMIN WEISBERG, Philadelphia, Pa. Filed Mar. 8, 1926.

Sonny Bow

No claim is made to the word "Bow" apart from the mark shown in the drawing.

Particular description of goods.—Neckties.

Claims use since Feb. 10, 1926.

Ser. No. 228,351. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Mar. 9, 1926.

STRIPPLE

Particular description of goods.—Prepared Caustic for Removing Paint and Enamel.

Claims use since Apr. 18, 1925.

Ser. No. 228,387. (CLASS 31. FILTERS AND REFRIGERATORS.) NATIONAL REFRIGERATING COMPANY, New Haven, Conn. Filed Mar. 9, 1926.

ICE-O-LATOR

Particular description of goods.—Refrigerators.
Claims use since Feb. 11, 1926.

Ser. No. 228,395. (CLASS 38. PRINTS AND PUBLICATIONS.) THE UNITED STATES DAILY PUBLISHING CORPORATION, Washington, D. C. Filed Mar. 9, 1926.

The United States Daily

Particular description of goods.—Newspaper Published Daily.
Claims use since Mar. 4, 1926.

Ser. No. 228,401. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BAER BROS., New York, N. Y. Filed Mar. 10, 1926.

CARBO-OXZI

Particular description of goods.—Ready-Mixed Paints.
Claims use since Jan. 2, 1926.

Ser. No. 228,407. (CLASS 39. CLOTHING.) BUEK & COMPANY, Philadelphia, Pa. Filed Mar. 10, 1926.

No claim is made to the word "Klog" apart from the mark as shown.
Particular description of goods.—Men's, Women's, and Children's Shoes Having Wooden Soles and Leather and Elastic Securing Straps.
Claims use since on or about Dec. 15, 1925.

Ser. No. 228,414. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ENGLISH CHINA CLAYS LIMITED, St. Austell, England. Filed Mar. 10, 1926.

STOCKALITE

Particular description of goods.—Colloidal Clays, Being Raw or Partly-Prepared Vegetable, Animal, and Mineral Substances Used in Manufactures.
Claims use since about Aug. 19, 1925.

Ser. No. 228,416. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ENGLISH CHINA CLAYS LIMITED, St. Austell, England. Filed Mar. 10, 1926.

DEVOLITE

Particular description of goods.—Colloidal Clays, Being Raw or Partly-Prepared Vegetable, Animal, and Mineral Substances Used in Manufactures.
Claims use since about Aug. 11, 1925.

Ser. No. 228,419. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK FERRANTE, Binghamton, N. Y. Filed Mar. 10, 1926.

Big 4

Particular description of goods.—Hair Tonic.
Claims use since Jan. 1, 1926.

Ser. No. 228,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNIE E. TREADWAY, doing business as Paradise Manufacturing Company, Fort Lauderdale, Fla. Filed Mar. 11, 1926.

Applicant disclaims the use of the word "Spray" apart from the mark shown.
Particular description of goods.—Preparation for Exterminating Insects.
Claims use since Aug. 15, 1925.

Ser. No. 228,514. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE VITREFRAX COMPANY, Los Angeles, Calif. Filed Mar. 11, 1926.

VITROLON

Particular description of goods.—Ceramic Product.
Claims use since September, 1925.

Ser. No. 228,540. (CLASS 39. CLOTHING.) HIRSCH, WEINTRAUB & Co., Philadelphia, Pa. Filed Mar. 12, 1926.

DUROLITE

Particular description of goods.—Hats, Caps, Coats, Trousers, Comprising Liveries for Chauffeurs, Butlers, Footmen, Etc., and Male Employees of Hotels, Clubs, Apartment Houses, Banks, Municipal Departments, Etc., and in the Military and Naval Services, Under the General Heading of Uniforms.
Claims use since Feb. 15, 1926.

Ser. No. 228,558. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES H. PERRY, Philadelphia, Pa. Filed Mar. 12, 1926.

11 — 22

Particular description of goods.—Card Games.
Claims use since about December, 1925.

Ser. No. 228,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. C. STEVENS, Northport, Wash. Filed Mar. 12, 1926.

W — N

Particular description of goods.—Sauce for Meats, Gravies, Soups, Fish, and Cheese.
Claims use since Nov. 2, 1925.

Ser. No. 228,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. PERCY FISHER, doing business as F. P. Fisher and Company, Fort Fairfield, Me. Filed Mar. 13, 1926.

KINGFISHER

Particular description of goods.—Potatoes in Their Natural State.
Claims use since Sept. 14, 1925.

Ser. No. 228,661. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ORALAX COMPANY, Chicago, Ill. Filed Mar. 15, 1926.

The drawing is lined to indicate the color gold.
Particular description of goods.—Antiseptic, Germicidal, and Disinfectant Liquid Preparation for Hay Fever, Colds, Coughs, Catarrh, Sinus, and other Nasal and Throat Ailments.
Claims use since Mar. 10, 1926.

Ser. No. 228,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMETTO COFFEE COMPANY, INC., Washington, D. C. Filed Mar. 15, 1926.

DIPLOMAT

Particular description of goods.—Tea.
Claims use since July, 1925.

Ser. No. 228,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HENRIETTA ICE CREAM COMPANY, Cincinnati, Ohio. Filed Mar. 16, 1926.

FRUITBERG

Particular description of goods.—Confection Comprising a Chocolate Casing Containing Fruit and Ice Cream.
Claims use since Jnne 12, 1925.

Ser. No. 228,737. (CLASS 39. CLOTHING.) BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass. Filed Mar. 17, 1926.

BULL DOG

"Bull Dog."
Particular description of goods.—Rubber Heels.
Claims use since Sept. 1, 1906

Ser. No. 228,781. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE ANONYME RODIER, Paris, France. Filed Mar. 17, 1926.

KASHATOIL

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same.
Claims use since Sept. 7, 1925.

Ser. No. 228,782. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE ANONYME RODIER, Paris, France. Filed Mar. 17, 1926.

TUSSALGA

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same.
Claims use since Sept. 7, 1925.

Ser. No. 228,785. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) FREDERICK A. STERN, New York, N. Y. Filed Mar. 17, 1926.

STAKUP

"Stakup."

Particular description of goods.—Drinking Cups of Crockery, Earthenware, and Porcelain.

Claims use since on or about Feb. 15, 1926.

Ser. No. 228,829. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) RHODESIA BROKEN HILL DEVELOPMENT COMPANY, LIMITED, London, England. Filed Mar. 18, 1926.

RHODESIAN RBH ELECTROLYTIC SABLE BRAND RBH ZINC

No claim is made to the word "Rhodesian," the words "Electrolytic Zinc," and the word "Brand" except as in combination with the other features of the mark.

Particular description of goods.—Electrolytic Zinc.

Claims use since Apr. 7, 1925.

Ser. No. 228,832. (CLASS 39. CLOTHING.) HARRY SALESKY, doing business as The La Salle Company, Philadelphia, Pa. Filed Mar. 18, 1926.

LASALLE

Particular description of goods.—Men's and Boys' Hats and Caps.

Claims use since July 7, 1911.

Ser. No. 228,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 19, 1926.

TABLETAS DE FELLOWS' LAXANTES
James I. Fellows
PREPARADAS POR LA
FELLOWS
MEDICAL MANUFACTURING CO. INC.
26 CHRISTOPHER STREET
NUEVA YORK, E.U.A

No rights to the exclusive use of the words "Tabletas De Laxantes, Preparadas por la, 26 Christopher Street, Nueva York, E. U. A." apart from the mark shown. The signature "James I. Fellows" is the facsimile signature of James I. Fellows, the founder of applicant's business.

Particular description of goods.—Laxative Tablets.

Claims use since about 1915.

Ser. No. 228,862. (CLASS 43. THREAD AND YARN.) PENNRICH & COMPANY, INC., New York, N. Y. Filed Mar. 19, 1926.

PECO

Particular description of goods.—Artificial Silk (Rayon Yarn).

Claims use since January, 1923.

Ser. No. 228,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B & E MEDICAL TEA CO., Newark, N. J. Filed Mar. 20, 1926.

Particular description of goods.—Medicinal Teas—Namely, Combined Blood-Purifying, Rheumatic, Kidney, and Bladder Tea; Stomach Tea for Use in Cases of Cramps and Pain Due to Gases, Antiobesity Tea, Skin-Clarifying Tea; Nerve and Heart Tea, Uterine Tea, Anæmic Tea, Pulmonic Tea, Asthmatic Tea, Diuretic Tea, Blood-Purifying Tea for Children, Antidiabetic Tea, Gallstone Tea, Liver Salt, and Stomach Powder.

Claims use since Mar. 4, 1926.

Ser. No. 228,907. (CLASS 31. FILTERS AND REFRIGERATORS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Mar. 20, 1926.

KELSWORTH

Particular description of goods.—Refrigerators.

Claims use since about Jan. 15, 1926.

Ser. No. 228,983. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GLAUBINGER-GREENBERG CO., New York, N. Y. Filed Mar. 22, 1926.

BUBBLETTE

Particular description of goods.—Silk Fabrics.

Claims use since Feb. 10, 1926.

Ser. No. 229,027. (CLASS 39. CLOTHING.) FASHEEN KNITTING MILLS, Boston, Mass. Filed Mar. 23, 1926.

Fasheen

"Fasheen."

Particular description of goods.—Lingerie, Underwear, Hosiery, Dresses, Scarfs, Sweaters, Bathing Suits, and Jackets, All Being of Knitted Materials.

Claims use since Oct. 15, 1925.

Ser. No. 229,066. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNION FOOD PRODUCTS CO., Greenville, Ohio. Filed Mar. 23, 1926.

FAT-MOR

Particular description of goods.—Peanut Butter, Prepared Mustard, and Tomato Catchup.

Claims use since Jan. 2, 1916.

Ser. No. 229,096. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Patina

Particular description of goods.—Woolen Piece Goods.

Claims use since Mar. 1, 1926.

Ser. No. 229,098. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Zelda

Particular description of goods.—Woolen Piece Goods.

Claims use since Mar. 1, 1926.

Ser. No. 229,099. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Tunisa

Particular description of goods.—Woolen Piece Goods.

Claims use since Mar. 1, 1926.

Ser. No. 229,100. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Miraque

Particular description of goods.—Woolen Piece Goods.

Claims use since Mar. 1, 1926.

Ser. No. 229,101. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Molta

Particular description of goods.—Woolen Piece Goods.

Claims use since Mar. 1, 1926.

Ser. No. 229,138. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LOUIS J. WEINSTEIN, New York, N. Y. Filed Mar. 24, 1926.

TEXEMENT

"Texement."

Particular description of goods.—Plastic Substances for Making Dental Molds.

Claims use since about Jan. 1, 1926.

Ser. No. 229,144. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN MOORE & CO., Jersey City, N. J. Filed Mar. 25, 1926.

MORO-PAKE

Particular description of goods.—Paste Paints and Semipaste Paints.

Claims use since January, 1926.

Ser. No. 229,181. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOYD A. JESSEN, doing business as Pan American Chemical Co., Santa Rita, N. Mex. Filed Mar. 25, 1926.

Zonox

LAJ

Particular description of goods.—Germicidal Detergent for the Throat and Mouth Either in Liquid or Powder Form.
Claims use since Jan. 7, 1925.

Ser. No. 229,185. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSCAR L. LOCKHART, doing business as Mi-Dine Pharmacal Co., Atlanta, Ga. Filed Mar. 25, 1926.

KOLD-LIXIR

Particular description of goods.—Preparation for the Treatment of Colds, Coughs, Flu, and Aching.
Claims use since Mar. 10, 1926.

Ser. No. 229,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Mar. 25, 1926.

PEARL

Particular description of goods.—Liquid Nail Polishes.
Claims use since Mar. 20, 1926.

Ser. No. 229,198. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. CRISTY PEYRE, Wilmington, Del. Filed Mar. 25, 1926.

FFA

FRENCH FORMULA

The mark consists of the letters "F. F. A." arranged in a fanciful manner above the words "French Formula," which latter words are disclaimed apart from the design of the mark as shown.
Particular description of goods.—Lotion for Sunburn, Hands, and General Use.
Claims use since Feb. 24, 1926.

Ser. No. 229,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YVETTE CO., New York, N. Y. Filed Mar. 25, 1926.

JUNE GLOW

Particular description of goods.—Rouge.
Claims use since Oct. 9, 1925.

Ser. No. 229,226. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 26, 1926.

BTS

Particular description of goods.—Insecticides and Fungicides.
Claims use since about 1915.

Ser. No. 229,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 26, 1926.

Particular description of goods.—Heavy Chemicals, also Known as Commercial or Technical Chemicals, and for Reagent Chemicals. The particular chemicals upon which the mark is used by the applicant are referred to in applicant's catalogues attached hereto.
Claims use since Mar. 26, 1925, on sulphide of soda, and since November, 1925, on general line of heavy chemicals and reagent chemicals.

Ser. No. 229,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. GOODMAN & SON, New York, N. Y. Filed Mar. 26, 1926.

No claim is made to the exclusive use of the wording appearing on the drawing except the words "Gold Star." The vertical lines in the drawing represent red color, the horizontal lines blue color, the diagonal lines green, the dotted cross lines yellow, and the dotted parts represent gold. The figure is fanciful.
Particular description of goods.—Pure Salad Oil.
Claims use since 1916.

Ser. No. 229,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREENS CIRCLE PRODUCTS CO., Chicago, Ill. Filed Mar. 26, 1926.

PEPTICATED

Particular description of goods.—Chewing Gum.
Claims use since Mar. 20, 1926.

Ser. No. 229,236. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHNSON & JOHNSON, New Brunswick, N. J. Filed Mar. 26, 1926. Under section 5b of the act of 1905 as amended in 1920.

LISTER'S

Particular description of goods.—Sanitary Napkins.
Claims use since 1899.

Ser. No. 229,244. (CLASS 39. CLOTHING.) SAMUEL MINKIN, doing business as Silvera Hat Company, New York, N. Y. Filed Mar. 26, 1926.

No claim is made to the words "Paris" and "New York" apart from the mark as shown on the drawing.
Particular description of goods.—Ladies', Misses', and Children's Hats.
Claims use since December, 1925.

Ser. No. 229,259. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHAN VAN VLOTEN, New York, N. Y. Filed Mar. 26, 1926.

VLOTOLINE

Particular description of goods.—Liquid Preparation for Waving the Hair.
Claims use since Mar. 15, 1926.

Ser. No. 229,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERM-A-CHICK CO., Austin, Minn. Filed Mar. 26, 1926.

Verm-A-Chick

Particular description of goods.—Medicine for the Treatment of Worms in Chickens.
Claims use since Oct. 20, 1924.

Ser. No. 229,269. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHICOPEE MANUFACTURING CORPORATION, Chicopee Falls, Mass. Filed Mar. 27, 1926.

MODESS

Particular description of goods.—Sanitary Napkins.
Claims use since December, 1925.

Ser. No. 229,279. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOREMEN'S PUBLISHING CO., Dayton, Ohio. Filed Mar. 27, 1926.

THE FOREMEN'S MAGAZINE

Particular description of goods.—Bimonthly Magazine.
Claims use since Jan. 1, 1925.

Ser. No. 229,283. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Mar. 27, 1926.

Roan

Particular description of goods.—Men's Suits and Coats.
Claims use since Feb. 22, 1926.

Ser. No. 229,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Mar. 27, 1926.

MANIKIN–BROWNIES

Particular description of goods.—Candy.
Claims use since about Feb. 27, 1926.

Ser. No. 229,287. (CLASS 39. CLOTHING.) ROBERT G. HOROWITZ, New York, N. Y. Filed Mar. 27, 1926.

Washington Park

Particular description of goods.—Men's Suits and Overcoats.
Claims use since about Sept. 1, 1925.

Ser. No. 229,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE IMPERIAL FLOUR MILLS COMPANY, Wichita, Kans. Filed Mar. 27, 1926.

SUPERLOAF

Particular description of goods.—Wheat Flour.
Claims use since July 9, 1919.

Ser. No. 229,296. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES LONDONER, doing business as Princess Remedy Company, New York, N. Y. Filed Mar. 27, 1926.

PRINCESS

Particular description of goods.—Preparation for Controlling the Menstruation Period in Women.
Claims use since on or about Aug. 10, 1907.

Ser. No. 229,325. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DETROIT CREAMERY CO., Detroit, Mich. Filed Mar. 29, 1926.

A M

Particular description of goods.—Bacillus Acidophilus Cultured Milk.
Claims use since Mar. 23, 1926.

Ser. No. 229,372. (CLASS 39. CLOTHING.) D. ARMSTRONG & CO., INC., Rochester, N. Y. Filed Mar. 30, 1926.

Particular description of goods.—Women's Shoes of Leather and Fabric.
Claims use since Mar. 1, 1926.

Ser. No. 229,375. (CLASS 43. THREAD AND YARN.) BELDING HEMINWAY COMPANY, Rockville, Conn., and New York, N. Y. Filed Mar. 30, 1926.

Particular description of goods.—Textile Threads.
Claims use since 1914.

Ser. No. 229,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 27

Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 2

Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,497. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 5

Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 11

Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 20

Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL INC., New York, N. Y. Filed Apr. 1, 1926.

No 21

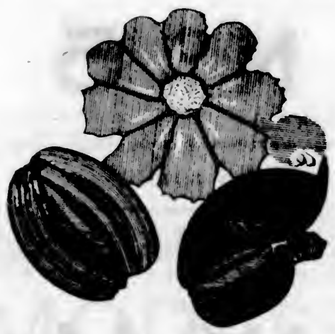
Particular description of goods.—Perfume and Toilet Water.
Claims use since Jan. 1, 1921.

Ser. No. 229,523. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE C. PARDEE WORKS, Philadelphia, Pa. Filed Apr. 1, 1926. Under ten-year proviso.

PARDEE

Particular description of goods.—Pottery and Faience.
Claims use since Feb. 1, 1895.

Ser. No. 229,547. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) CZECHO PEASANT ART CO. INC., New York, N. Y. Filed Apr. 2, 1926.



Particular description of goods.—Pottery.
Claims use since December, 1922.

Ser. No. 229,617. (CLASS 7. CORDAGE.) CHASE BAG CO., New York, N. Y. Filed Apr. 3, 1926.

GIANT

Particular description of goods.—Twine, Cordage, and Thread for Closing Bags.
Claims use since 1922.

Ser. No. 229,618. (CLASS 7. CORDAGE.) CHASE BAG CO., New York, N. Y. Filed Apr. 3, 1926.

SAKO

Particular description of goods.—Twine, Cordage, and Thread for Closing Bags.
Claims use since 1910.

TRADE-MARK REGISTRATIONS GRANTED

MAY 4, 1926.

[ACT OF FEBRUARY 20, 1905.]

212,367. HAIRDRESSING CREAM. GENEROUS CARDONE, doing business as Pal-O-Mine Manufacturing Company, Brooklyn, N. Y.
Filed December 31, 1925. Serial No. 225,347. PUBLISHED FEBRUARY 16, 1926.

212,368. A CHEMICAL COMPOUND IN POWDER FORM FOR EXTINGUISHING FIRES. ROSS H. PRATT, doing business as The Auto-Magic Fire Killer Co., Washington, D. C.
Filed December 29, 1925. Serial No. 225,278. PUBLISHED FEBRUARY 16, 1926.

212,369. BREATH TABLETS. MARY AGNES BUTEAU, doing business as G. H. Buteau & Co., Valley Stream, N. Y.
Filed December 29, 1925. Serial No. 225,254. PUBLISHED FEBRUARY 16, 1926.

212,370. FACE POWDER, FACE CREAM, FACE PACKS, TOILET WATER, ROUGES, PERFUMES, LIP STICKS, EYEBROW PENCILS, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, TALCUM POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSE, AND SACHETS. PARIS LABORATORIES, New York, N. Y.
Filed December 26, 1925. Serial No. 225,202. PUBLISHED FEBRUARY 16, 1926.

212,371. AUTOMOBILE TIRES AND INNER TUBES. NATIONAL CLOAK & SUIT CO., New York, N. Y.
Filed December 26, 1925. Serial No. 225,199. PUBLISHED FEBRUARY 23, 1926.

212,372. LAXATIVE TABLETS. JOHNSTONE LABORATORIES, INC., New York, N. Y.
Filed December 19, 1925. Serial No. 224,915. PUBLISHED FEBRUARY 16, 1926.

212,373. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSES, TALCUM POWDERS, LIP STICKS, EYEBROW PENCILS, AND SACHETS. VICTOR VIVAUDOU, New York, N. Y.
Filed December 18, 1925. Serial No. 224,888. PUBLISHED FEBRUARY 16, 1926.

212,374. MEDICINE FOR THE TREATMENT OF SYPHILIS, MALARIA, TRYPANOSOMIASIS, AMŒBIASIS, FLAGELLOSIS, FILARIASIS, HELMINTHIASIS, AND OTHER PARASITIC INFECTIONS. EWART S. MILLER, doing business as E. S. Miller Laboratories, Los Angeles, Calif.
Filed December 18, 1925. Serial No. 224,877. PUBLISHED FEBRUARY 16, 1926.

212,375. INSECTICIDES. A. R. CROSSLEY, doing business as The Home Comfort Mfg. Co., Houston, Tex.
Filed December 18, 1925. Serial No. 224,862. PUBLISHED FEBRUARY 16, 1926.

212,376. COAL-TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 17, 1925. Serial No. 224,841. PUBLISHED FEBRUARY 9, 1926.

212,377. COAL-TAR COLORS. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 17, 1925. Serial No. 224,840. PUBLISHED FEBRUARY 9, 1926.

212,378. BLOOD PREPARATION FOR THE TREATMENT OF CARBUNCLES, BOILS, PIMPLES, AND SUCH LIKE AILMENTS. EDWARD J. CONNELL, New Orleans, La.
Filed December 17, 1925. Serial No. 224,810. PUBLISHED FEBRUARY 9, 1926.

212,379. MEDICINE FOR USE IN THE TREATMENT OF RHEUMATISM, BACKACHE, AND COLDS. BRADHAM DRUG COMPANY, New Bern, N. C.
Filed December 17, 1925. Serial No. 224,803. PUBLISHED FEBRUARY 9, 1926.

212,380. CERTAIN PHARMACEUTICAL PREPARATIONS. REED & CARNRICK, Jersey City, N. J.
Filed December 16, 1925. Serial No. 224,781. PUBLISHED FEBRUARY 9, 1926.

212,381. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, EYEBROW PENCILS, LIP STICKS, LIP POMADES, BANDOLINES, SACHETS, AND COMPACTS. THE READ DRUG & CHEMICAL CO., Baltimore, Md.
Filed December 16, 1925. Serial No. 224,780. PUBLISHED FEBRUARY 9, 1926.

212,382. LIP STICKS. LESQUENDIEU, INC., New York, N. Y.
Filed December 16, 1925. Serial No. 224,775. PUBLISHED FEBRUARY 9, 1926.

212,383. MANICURE PREPARATIONS, CUTICLE REMOVER, CUTICLE SALVE, NAIL-POLISH POWDER, NAIL-POLISH LIQUID, NAIL-POLISH PASTE, NAIL-BLEACH POWDER, NAIL-POLISH REMOVER, AND NAIL-WHITE PASTE. JOHN SCHANZENBACH, doing business as State Importing & Sales Co., New York, N. Y.
Filed December 15, 1925. Serial No. 224,729. PUBLISHED FEBRUARY 9, 1926.

212,384. HAIRDRESSING. EDWARD W. BAILEY, Pittsburgh, Pa.
Filed December 14, 1925. Serial No. 224,647. PUBLISHED FEBRUARY 9, 1926.

212,385. LINIMENT FOR STIFF OR SWOLLEN JOINTS, LUMBAGO, SCIATICA, RHEUMATISM, SPRAINS, BRUISES, COLDS, SORE THROAT, CROUP, NEURALGIA, CHILBLAINS, AND INSECT STINGS. THE ROYALTY SALES COMPANY, Washington, D. C.
Filed December 12, 1925. Serial No. 224,626. PUBLISHED FEBRUARY 9, 1926.

212,386. FRUIT CAKE. CAROLINE LOUISE WILLIAMS, Wildwood, N. J.
Filed December 2, 1925. Serial No. 224,125. PUBLISHED JANUARY 26, 1926.

212,387. SALVE FOR THE TREATMENT OF BURNS, SPRAINS, SORES, ULCERS, ABSCESSES, RHEUMATISM, TUBERCULOSIS, HEART DISEASE, EPILEPSY, NEURITIS, NERVES, SPINAL MENINGITIS, ARTHRITIS, KIDNEY TROUBLE, AND CANCER. ELIZABETH A. COLEY, Hawthorne, Calif.
Filed November 24, 1925. Serial No. 223,767. PUBLISHED FEBRUARY 16, 1926.

212,388. LIQUID BLUING. JOSEPH T. SPIKER, doing business as J. T. Spiker & Co., Chicago, Ill.
Filed November 19, 1925. Serial No. 223,554. PUBLISHED FEBRUARY 9, 1926.

212,389. RUBBER TIRE PATCHES, INNER-TUBE PATCHES, PORTABLE TIRE-REPAIR OUTFITS, AND TIRE PLASTERS. OUT WEST MANUFACTURING CO., Denver, Colo.
Filed November 16, 1925. Serial No. 223,401. PUBLISHED FEBRUARY 23, 1926.

212,390. LIQUID ANTISEPTIC PREPARATION, ANTISEPTIC POWDER, THROAT TABLETS, HYDROGEN PEROXIDE, CONSTIPATION TABLETS, PERSPIRATION POWDER, FOOT POWDER, TOOTH PASTE, TOOTH POWDER, TALCUM POWDER, COCONUT-OIL SHAMPOO, NAIL ENAMEL, VANISHING CREAM, COLD CREAM, AND ROUGE. JOHN T. MILLIKEN & COMPANY, St. Louis, Mo.
Filed November 7, 1925. Serial No. 222,990. PUBLISHED FEBRUARY 9, 1926.

212,391. FRAMES AND ORNAMENTS FOR POCKETBOOKS AND HAND BAGS AND HARNESS BUCKLES AND TRIMMINGS. BAKELITE CORPORATION, New York, N. Y.
Filed October 23, 1925. Serial No. 222,153. PUBLISHED JANUARY 26, 1926.

212,392. BATH SALTS. CHAS. SCHAEFER & SON, doing business as Vitality Salt Co., Brooklyn, N. Y.
Filed October 14, 1925. Serial No. 221,727. PUBLISHED FEBRUARY 9, 1926.

212,393. TIRE PATCHES. K. C. CHEMICAL COMPANY, Kansas City, Mo.
Filed October 5, 1925. Serial No. 221,260. PUBLISHED FEBRUARY 16, 1926.

212,394. PREPARATION FOR PYORRHEA. RADIUM REMEDIES COMPANY, Helena, Mont.
Filed April 22, 1925. Serial No. 213,146. PUBLISHED DECEMBER 29, 1925.

212,395. WHITE OIL PRIMARILY USED IN THE PREPARATION OF COLD CREAM. UNDERHAY OIL CO., Boston, Mass.
Filed December 17, 1925. Serial No. 224,848. PUBLISHED FEBRUARY 9, 1926.

212,396. HINGES. CHICAGO SPRING HINGE COMPANY, Chicago, Ill.
Filed January 12, 1925. Serial No. 207,967. PUBLISHED FEBRUARY 23, 1926.

212,397. THUMB BRAKES FOR FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,718. PUBLISHED FEBRUARY 23, 1926.

212,398. CHAIN STRINGERS FOR FISH. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,714. PUBLISHED FEBRUARY 23, 1926.

212,399. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,713. PUBLISHED FEBRUARY 23, 1926.

212,400. FOUNTAIN PENS. THE PARKER PEN CO., Janesville, Wis.
Filed December 26, 1924. Serial No. 207,255. PUBLISHED MAY 5, 1925.

212,401. GLOVES MADE OF LEATHER. DAVID J. STONE, doing business as Stone Glove Factories, Chicago, Ill.
Filed December 24, 1924. Serial No. 207,211. PUBLISHED FEBRUARY 16, 1926.

212,402. MEN'S AND WOMEN'S HATS. J. G. SMYTH & CO., Uvalde, Tex.
Filed December 16, 1924. Serial No. 206,808. PUBLISHED FEBRUARY 16, 1926.

212,403. BOOKS AND CIRCULARS. DRUSUS H. NICHOLS, Cleveland, Ohio.
Filed October 25, 1923. Serial No. 187,480. PUBLISHED JANUARY 20, 1925.

212,404. REFRIGERATORS AND REFRIGERATING MACHINES. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed January 13, 1926. Serial No. 225,861. PUBLISHED FEBRUARY 23, 1926.

212,405. REFRIGERATORS AND REFRIGERATING MACHINES. THE BARBER ASPHALT COMPANY, Philadelphia, Pa.
Filed January 13, 1926. Serial No. 225,860. PUBLISHED FEBRUARY 23, 1926.

212,406. BOOTS AND SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed December 30, 1925. Serial No. 225,308. PUBLISHED FEBRUARY 16, 1926.

212,407. TOY HOBBY-HORSES FOR CHILDREN. FRANCIS J. CATTERLIN, Los Angeles, Calif.
Filed December 28, 1925. Serial No. 225,220. PUBLISHED FEBRUARY 23, 1926.

212,408. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. J. W. CARTER COMPANY, Nashville, Tenn.
Filed December 24, 1925. Serial No. 225,113. PUBLISHED FEBRUARY 16, 1926.

212,409. PREPARED MUSTARD. STICKNEY & POOR SPICE CO., Boston, Mass.
Filed December 21, 1925. Serial No. 224,994. PUBLISHED FEBRUARY 16, 1926.

212,410. MEN'S GARTERS. GEORGE FROST COMPANY, Boston, Mass.
Filed December 14, 1925. Serial No. 224,660. PUBLISHED FEBRUARY 9, 1926.

212,411. METAL CURTAIN RODS. JAMES H. BOYE MANUFACTURING CO., Chicago, Ill.
Filed December 14, 1925. Serial No. 224,650. PUBLISHED FEBRUARY 23, 1926.

212,412. TOY PLAY BALLS MADE OF CELLULOID. LOUIS LINNEAUS MARTIN, Toronto, Ontario, Canada.
Filed December 7, 1925. Serial No. 224,341. PUBLISHED FEBRUARY 23, 1926.

212,413. EMPTY PAPER CONTAINERS AND CARTONS FOR ICE CREAM AND SIMILAR PRODUCTS. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis.
Filed December 5, 1925. Serial No. 224,286. PUBLISHED FEBRUARY 23, 1926.

212,414. EMPTY PAPER CONTAINERS AND CARTONS FOR ICE CREAM AND SIMILAR PRODUCTS. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis.
Filed December 5, 1925. Serial No. 224,285. PUBLISHED FEBRUARY 23, 1926.

212,415. STEEL RECEIVERS FOR COMPRESSED GASES AND PARTS THEREFOR. HARRISBURG PIPE & PIPE BENDING CO., Harrisburg, Pa.
Filed December 4, 1925. Serial No. 224,244. PUBLISHED FEBRUARY 23, 1926.

212,416. BASIN CONNECTIONS. WOLVERINE BRASS WORKS, Grand Rapids, Mich.
Filed December 3, 1925. Serial No. 224,222. PUBLISHED FEBRUARY 23, 1926.

212,417. ENAMELS IN THE NATURE OF PAINTS. THE MARIETTA PAINT & COLOR COMPANY, Marietta, Ohio.
Filed December 3, 1925. Serial No. 224,196. PUBLISHED JANUARY 26, 1926.

212,418. TOY MECHANICAL DOGS. MAWHINNEY LAST COMPANY, doing business as Paul S. Jones Co., Brockton, Mass.
Filed November 16, 1925. Serial No. 223,400. PUBLISHED FEBRUARY 2, 1926.

212,419. TOY MECHANICAL DOGS. MAWHINNEY LAST COMPANY, doing business as Paul S. Jones Co., Brockton, Mass.
Filed November 16, 1925. Serial No. 223,399. PUBLISHED JANUARY 26, 1926.

212,420. CASH BOXES, ACID-PROOF CONTAINERS, INSTRUMENT CASES, VANITY BOXES, SAFETY-RAZOR BOXES, ROUGE AND PASTE BOXES, AND WASTE-PAPER BASKETS. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,422. PUBLISHED FEBRUARY 9, 1926.

212,421. OLIVE OIL. D. & A. SCIAFANI, New York, N. Y.
Filed August 18, 1925. Serial No. 219,046. PUBLISHED DECEMBER 8, 1925.

212,422. CHEWING GUM. D M O GUM MACHINE COMPANY, Los Angeles, Calif.
Filed October 12, 1925. Serial No. 221,600. PUBLISHED FEBRUARY 23, 1926.

212,423. FOOD-FLAVORING EXTRACTS—NAMELY, VANILLA, ALMOND, ORANGE, AND LEMON; NUTMEG, MUSTARD, PEPPER, COCOA, CINNAMON, GROUND POULTRY SEASONING, CANNED FRUITS, VEGETABLES, AND PORK AND BEANS, CANNED SALMON, LOBSTER, SHRIMP, AND OYSTERS, COFFEE, TEA, BUCKWHEAT FLOUR, ARTIFICIAL COLORED AND FLAVORED CHERRIES, CHILI SAUCE, QUEEN OLIVES, MAYONNAISE, APPLE CIDER VINEGAR, MINCEMEAT, TOMATO CATCHUP AND PEANUT BUTTER. FOLEY BROS. GROCERY CO., St. Paul, Minn.
Filed October 5, 1925. Serial No. 221,249. PUBLISHED FEBRUARY 16, 1926.

212,424. AUTOMOBILE AND FURNITURE POLISH. C. E. WEHE, Oakland, Calif.
Filed September 30, 1925. Serial No. 221,038. PUBLISHED JANUARY 19, 1926.

212,425. PAINTS, VARNISHES, STAINS, AND ENAMELS, EACH IN DRY, PASTE, LIQUID, AND READY-MIXED FORMS. SANTA FE BUILDERS SUPPLY COMPANY, Santa Fe, N. Mex.
Filed September 28, 1925. Serial No. 220,921. PUBLISHED JANUARY 12, 1926.

212,426. PAINTS, VARNISHES, STAINS, AND ENAMELS, EACH IN DRY, PASTE, LIQUID, AND READY-MIXED FORMS. SANTA FE BUILDERS SUPPLY COMPANY, Santa Fe, New Mexico.
Filed September 28, 1925. Serial No. 220,920. PUBLISHED JANUARY 12, 1926.

212,427. LAUNDRY TRAYS. THE RELIABLE CEMENT PRODUCTS COMPANY, Cleveland, Ohio.
Filed September 21, 1925. Serial No. 220,573. PUBLISHED FEBRUARY 23, 1926.

212,428. BELTS FOR PERSONAL WEAR. APEX BELT CO., Chicago, Ill.
Filed September 4, 1925. Serial No. 219,797. PUBLISHED FEBRUARY 16, 1926.

212,429. METAL PAINT. GARDCO PAINT PRODUCTS COMPANY, Chicago, Ill.
Filed August 14, 1925. Serial No. 218,850. PUBLISHED JANUARY 5, 1926.

212,430. ROOF PAINT. J. WATSON MORSE, doing business as Morseal Roof Paint Company, Washington, D. C.
Filed August 13, 1925. Serial No. 218,822. PUBLISHED JANUARY 5, 1926.

212,431. FURNITURE POLISH. FAY B. DUNCAN, doing business as Mar-les Polish Co., Hoquiam, Wash.
Filed August 12, 1925. Serial No. 218,746. PUBLISHED FEBRUARY 16, 1926.

212,432. LACQUERS, LACQUER ENAMELS, LACQUER THINNERS, LACQUER SOLVENTS, SPIRIT AND LACQUER COLORS, SPIRIT VARNISHES, PREPARED SHELLACS, AND WOOD FILLERS. LACQUER & CHEMICAL CORPORATION, Brooklyn, N. Y.
Filed June 25 1925. Serial No. 216,414. PUBLISHED FEBRUARY 2, 1926.

212,433. PAINT ENAMELS, FLAT WHITE, VARNISHES, COLORS IN OIL, PREPARED SHELLAC, PUTTY, AND BRONZE POWDER. ELCO PAINT PRODUCTS, INC., New York, N. Y.
Filed June 9, 1925. Serial No. 215,511. PUBLISHED FEBRUARY 9, 1926.

212,434. MATCH STRIKERS. GEORGE EVANS KENT, Toronto, Ontario, Canada.
Filed May 23, 1925. Serial No. 214,798. PUBLISHED DECEMBER 1, 1925.

212,435. MECHANICAL REFRIGERATING UNITS AND COMPRESSORS THEREFOR AND PARTS THEREOF. CLIMAX ENGINEERING CO., Clinton, Iowa.
Filed April 24, 1925. Serial No. 213,225. PUBLISHED FEBRUARY 23, 1926.

212,436. DIETETIC FOOD FOR USE IN THE TREATMENT OF DIABETES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 17, 1925. Serial No. 224,838. PUBLISHED FEBRUARY 16, 1926.

212,437. DIETETIC FOOD FOR USE IN THE TREATMENT OF DIABETES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 17, 1925. Serial No. 224,837. PUBLISHED FEBRUARY 16, 1926.

212,438. DIETETIC FOOD FOR USE IN THE TREATMENT OF DIABETES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 17, 1925. Serial No. 224,835. PUBLISHED FEBRUARY 16, 1926.

212,439. PICKLES. FOXHALL P. KEENE, Monkton, Md.
Filed December 16, 1925. Serial No. 224,765. PUBLISHED FEBRUARY 16, 1926.

212,440. COFFEE AND TEA. MCCOMB COFFEE COMPANY, McComb, Miss.
Filed December 11, 1925. Serial No. 224,570. PUBLISHED FEBRUARY 23, 1926.

212,441. CANNED SARDINES. THE VAN LANDINGHAM CO., Los Angeles, Calif.
Filed December 4, 1925. Serial No. 224,267. PUBLISHED FEBRUARY 23, 1926.

212,442. CANNED, SMOKED, AND KIPPERED FISH. VAN CAMP SEA FOOD CO., Fish Harbor, East San Pedro, Calif.
Filed November 30, 1925. Serial No. 224,062. PUBLISHED FEBRUARY 23, 1926.

212,443. FOOD PRODUCT CONTAINING COCOA, MALT EXTRACT, SUGAR, MILK, AND FLAVORING. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed December 22, 1925. Serial No. 225,039. PUBLISHED FEBRUARY 16, 1926.

212,444. FRESH DECIDUOUS FRUIT—NAMELY, PEARS. BECKMAN BOYD GREEN, Courtland, Calif.
Filed November 30, 1925. Serial No. 224,019. PUBLISHED FEBRUARY 23, 1926.

212,445. MILEAGE, TIME, AND SPEED RECORDING INSTRUMENTS, RECORDING SPEEDOMETERS, AND TAXIMETERS. OHMER FARE REGISTER COMPANY, Dayton, Ohio.
Filed November 27, 1925. Serial No. 223,936. PUBLISHED FEBRUARY 9, 1926.

212,446. JELLY AND SIRUP FOR MAKING THE SAME. SOUTHWESTERN COCA COLA BOTTLING CO., Phoenix, Ariz.
Filed November 23, 1925. Serial No. 223,748. PUBLISHED FEBRUARY 23, 1926.

212,447. FRESH APPLES. H. S. GROAT & COMPANY, Seattle, Wash.
Filed November 23, 1925. Serial No. 223,713. PUBLISHED FEBRUARY 23, 1926.

212,448. COFFEE. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed November 14, 1925. Serial No. 223,339. PUBLISHED FEBRUARY 23, 1926.

212,449. COFFEE. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed November 14, 1925. Serial No. 223,338. PUBLISHED FEBRUARY 23, 1926.

212,450. PICKLES, JELLIES, JAMS, FRUIT AND BERRY PRESERVES, CATCHUP, AND PREPARED MUSTARD. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed October 16, 1925. Serial No. 221,857. PUBLISHED JANUARY 26, 1926.

212,451. BELTS AND SCARFS FOR PERSONAL WEAR, SHOULDER STRAPS, CHEVRONS, ARM BANDS, LAPELS, PONCHOS, SWEATERS, BLOUSES, BLOOMERS, SKIRTS, STOCKINGS, RAINCOATS, RAIN CAPES, SUITS AND COATS FOR WOMEN AND GIRLS, AND SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. GIRL SCOUTS, New York, N. Y.
Filed December 19, 1924. Serial No. 206,967. PUBLISHED MARCH 2, 1926.

212,452. FRESH VEGETABLES—NAMELY, LETTUCE. ENGEBRETSON-GRUPE CO., Meloland, Calif.
Filed September 25, 1925. Serial No. 220,769. PUBLISHED FEBRUARY 23, 1926.

212,453. CANDY. GREEN B. PIERATT, Chicago, Ill.
Filed September 21, 1925. Serial No. 220,570. PUBLISHED FEBRUARY 23, 1926.

212,454. SWITCHES AND FALSE HAIR PIECES FOR COVERING THE SHORT ENDS OF BOBBED HAIR, AND MADE HAIR PIECES ADAPTED TO BE WORN OVER BOBBED HAIR TO GIVE THE APPEARANCE OF LONG HAIR. WEST ELECTRIC HAIR CURLER CORPORATION, Philadelphia, Pa.
Filed August 26, 1925. Serial No. 219,415. PUBLISHED FEBRUARY 23, 1926.

212,455. PIGMENTS FOR USE IN PAINTING FABRICS AND IN PAINTING GLASS AND OTHER SUBSTANCES. DYE AND CHEMICAL COMPANY OF CANADA, LIMITED, Kingston, Ontario, Canada.
Filed August 6, 1925. Serial No. 218,475. PUBLISHED FEBRUARY 16, 1926.

212,456. FOOD PRODUCT IN POWDERED FORM CONTAINING NUTRITIVE SUBSTANCES FROM COD LIVER AND RICE. VITAMINES COMPANY, LIMITED, Montreal, Quebec, Canada.
Filed July 28, 1925. Serial No. 218,031. PUBLISHED FEBRUARY 2, 1926.

212,457. VEGETABLE IVORY BUTTONS. LONDON BUTTON CO. INC., New York, N. Y.
Filed June 30, 1925. Serial No. 216,684. PUBLISHED FEBRUARY 23, 1926.

212,458. FOOD SIRUPS. RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo.
Filed June 22, 1925. Serial No. 216,219. PUBLISHED FEBRUARY 9, 1926.

212,459. ICE CREAM. FRANK HASSEL, doing business as The Mid-West Creamery, Plainview, Tex.
Filed June 11, 1925. Serial No. 215,629. PUBLISHED FEBRUARY 16, 1926.

212,460. LIVE CHICKS. DANIEL W. GOODLING, doing business as The Keystone Hatchery, Richfield, Pa.
Filed April 29, 1925. Serial No. 213,499. PUBLISHED FEBRUARY 23, 1926.

212,461. LIVE POULTRY. DANIEL W. GOODLING, doing business as The Keystone Hatchery, Richfield, Pa.
Filed April 8, 1925. Serial No. 212,380. PUBLISHED FEBRUARY 23, 1926.

212,462. CANDY. THE NELSON-DASHIELL COMPANY, Baltimore, Md.
Filed January 23, 1925. Serial No. 208,531. PUBLISHED APRIL 14, 1925.

212,463. FRESH DECIDUOUS FRUITS AND FRESH GRAPES. IVANHOE FRUIT ASSOCIATION, Ivanhoe, Calif.
Filed January 21, 1925. Serial No. 208,404. PUBLISHED MAY 19, 1925.

212,464. SALTED NUTS. THE SUSU NUT CO., Chicago, Ill.
Filed January 12, 1925. Serial No. 208,022. PUBLISHED FEBRUARY 23, 1926.

212,465. BUNGALOW APRONS, DRESSES, SLIPOVERS, WAISTS, ADAPTED MORE PARTICULARLY FOR FEMININE USE. THE DIRECTORS OF MARYVILLE COLLEGE, Maryville, Tenn.
Filed December 18, 1924. Serial No. 206,884. PUBLISHED FEBRUARY 9, 1926.

212,466. CANNED FRUITS AND VEGETABLES. JOHN C. MORGAN COMPANY, Traverse City, Mich.
Filed November 8, 1924. Serial No. 205,022. PUBLISHED FEBRUARY 23, 1926.

212,467. REPAIR AND REPLACEMENT PARTS, INCLUDING DUST CAPS, TANK CAPS, RADIATOR CAPS, GREASE CUPS, SPRINGS, BEARING LINERS, AND RADIUS RODS. THE AUTOMOTIVE SPECIALTY CORPORATION, New York, N. Y.
Filed September 6, 1924. Serial No. 202,273. PUBLISHED OCTOBER 21, 1924.

212,468. FRESH APPLES AND APPLE PRODUCTS—NAMELY, APPLE BUTTER AND APPLE PRESERVES. RIDGEWOOD FRUIT GROWERS, INC., Winchester, Va.
Filed July 24, 1924. Serial No. 200,461. PUBLISHED FEBRUARY 16, 1926.

212,469. PREPARED COCONUT. FRANKLIN BAKER COMPANY, Hoboken, N. J.
Filed May 28, 1924. Serial No. 197,753. PUBLISHED AUGUST 4, 1925.

212,470. CANNED VEGETABLES, CANNED FISH; CANNED SOUP — NAMELY; TOMATO PURÉE; TEA, COFFEE, FRUIT JELLY, AND MALT EXTRACT FOR FOOD PURPOSES. DURAND-MCNEIL-HORNER CO., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,819. PUBLISHED SEPTEMBER 1, 1925.

212,471. CANNED FRUITS, BERRIES, AND VEGETABLES. SUTHERLAND & MCMILLAN, Pittston, Pa.
Filed October 31, 1923. Serial No. 187,784. PUBLISHED FEBRUARY 9, 1926.

212,472. GRINDING WHEELS AND CUTTING WHEELS. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,423. PUBLISHED FEBRUARY 2, 1926.

212,473. LACE CURTAINS, BEDSPREADS, CERTAIN BLANKETS AND BED COMFORTERS. EMILE N. TROTTIER, North Adams, Mass.
Filed September 26, 1925. Serial No. 220,876. PUBLISHED FEBRUARY 23, 1926.

212,474. REMEDY FOR THE TREATMENT OF COUGHS, COLDS, AND OTHER PULMONARY AILMENTS. MANDALL & CO., LIMITED, Newcastle-on-Tyne, England.
Filed September 12, 1925. Serial No. 220,199. PUBLISHED FEBRUARY 23, 1926.

212,475. REMEDY FOR THE TREATMENT OF COUGHS, COLDS, AND OTHER PULMONARY AILMENTS. MANDALL & CO., LTD., Newcastle-on-Tyne, England.
Filed September 12, 1925. Serial No. 220,198. PUBLISHED FEBRUARY 23, 1926.

212,476. SILK TEXTILES IN THE PIECE. J. H. & C. K. EAGLE, INC., by change of name C. K. Eagle and Company, Inc., Shamokin, Pa., and New York, N. Y.
Filed June 15, 1925. Serial No. 215,777. PUBLISHED FEBRUARY 23, 1926.

212,477. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed April 29, 1925. Serial No. 213,480. PUBLISHED FEBRUARY 23, 1926.

212,478. CORSELETTES, BRASSIÈRES, AND BANDEAUX OF RUBBER, OR KNITTED, NETTED, OR TEXTILE FABRIC, OR COMBINATIONS OF RUBBER AND KNITTED, NETTED, OR TEXTILE FABRIC. I. NEWMAN & SONS, INC., New York, N. Y.
Filed February 18, 1925. Serial No. 209,807. PUBLISHED FEBRUARY 23, 1926.

212,479. RUGS AND CARPETS OF TEXTILE FABRICS. THE KLEARFLAX LINEN LOOMS, INC., Duluth, Minn.
Filed December 10, 1924. Serial No. 206,530. PUBLISHED MARCH 2, 1926.

212,480. RUGS AND CARPETS OF TEXTILE MATERIAL. THE KLEARFLAX LINEN LOOMS, INC., Duluth, Minn.
Filed November 10, 1924. Serial No. 205,071. PUBLISHED MARCH 2, 1926.

212,481. DRAPERIES IN THE PIECE OF COTTON, SILK, AND COTTTON AND SILK MIXED. AMERICAN WHOLESALE CORPORATION (Baltimore Bargain House), Baltimore, Md.
Filed January 3, 1923. Serial No. 174,122. PUBLISHED FEBRUARY 23, 1926.

212,482. HATS FOR MEN, WOMEN, AND CHILDREN. MIKLOS & HERSHEY, INC., New York, N. Y.
Filed September 25, 1925. Serial No. 220,786. PUBLISHED FEBRUARY 16, 1926.

212,483. PILE SALVE. J. P. MILLER, Missoula, Mont.
Filed September 11, 1925. Serial No. 220,152. PUBLISHED FEBRUARY 9, 1926.

212,484. FABRIC TRANSMISSION AND BRAKE LININGS, FACINGS, PACKING, GASKETS, AND CLUTCH FACINGS. UNITED STATES ASBESTOS COMPANY, Manheim, Pa.
Filed August 24, 1925. Serial No. 219,317. PUBLISHED FEBRUARY 23, 1926.

212,485. LADIES' HATS. WAGNER-GAEBEL CO., Chicago, Ill.
Filed August 10, 1925. Serial No. 218,673. PUBLISHED NOVEMBER 3, 1925.

212,486. CASTOR OIL. THE BAKER CASTOR OIL COMPANY, New York, N. Y.
Filed July 7, 1925. Serial No. 216,962. PUBLISHED FEBRUARY 23, 1926.

212,487. MEN'S HATS. LONG'S HAT STORES, New York, N. Y.
Filed June 22, 1925. Serial No. 216,192. PUBLISHED FEBRUARY 16, 1926.

212,488. PARASITE REMOVER, AN INSECT REMEDY AND POULTRY TONIC. STAR CHEMICAL CO., Arlington, Tex.
Filed June 15, 1925. Serial No. 215,825. PUBLISHED FEBRUARY 23, 1926.

212,489. MEN'S PAD GARTERS, MEN'S ARM BANDS, LADIES' GARTERS FOR CORSETS, LADIES' FANCY ROUND GARTERS, CHILDREN'S HOSE SUPPORTERS, RUBBER KITCHEN APRONS, AND ROUND GARTERS FOR CHILDREN'S SOCKS. ISIDOR GOLDBERG, doing business as National Garter Co., New York, N. Y.
Filed April 30, 1925. Serial No. 213,568. PUBLISHED FEBRUARY 16, 1926.

212,490. VETERINARY PRODUCTS SUCH AS ANTHELMINTICS, DISINFECTANTS, INTESTINAL ANTISEPTICS, ANTIPYRETICS, ANTIDIARRHEICS, ANTIRHEUMATICS, ANTINEURALGICS, ANTISCABIES REMEDIES, ANTISEPTICS, HYPNOTICS, SEDATIVES, AND TONICS. THE BAYER COMPANY, INC., New York, N. Y.
Filed April 6, 1925. Serial No. 212,230. PUBLISHED FEBRUARY 23, 1926.

212,491. PERFUME, TOILET WATER, FACE POWDER, TALCUM, AND ROUGE. PAUL RIEGER & CO., San Francisco, Calif.
Filed March 24, 1925. Serial No. 211,543. PUBLISHED FEBRUARY 9, 1926.

212,492. BATH SALTS. JOHN E. BENNETT, San Francisco, Calif.
Filed February 25, 1925. Serial No. 210,113. PUBLISHED MAY 26, 1925.

212,493. GALOSHES, SNOW BOOTS, BOOTEES, GYMNASTS' SHOES, SAILORS' SHOES; BOOTS AND SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAME; RUBBER SHOE SOLES, RUBBER SHOE HEELS, MALT-HOUSE-SOLES, AND RUBBER PADS FOR MALT-HOUSE SHOES. HELSINGBORGS GUMMIFABRIKS AKTIEBOLAG, Helsingborg, Sweden.
Filed February 18, 1925. Serial No. 209,790. PUBLISHED FEBRUARY 23, 1926.

212,494. GALOSHES, SNOW BOOTS, BOOTEES, GYMNASTS' SHOES, SAILORS' SHOES; BOOTS AND SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SAME; RUBBER SHOE SOLES, RUBBER SHOE HEELS, MALT-HOUSE-SHOE SOLES, AND RUBBER PADS FOR MALT-HOUSE SHOES. HELSINGBORGS GUMMIFABRIKS AKTIEBOLAG, Helsingborg, Sweden.
Filed February 18, 1925. Serial No. 209,789. PUBLISHED FEBRUARY 23, 1926.

212,495. PISTON PACKING. PIONEER RUBBER MILLS, San Francisco, Calif.
Filed December 23, 1924. Serial No. 207,144. PUBLISHED FEBRUARY 2, 1926.

212,496. HAIR TONIC AND FACE LOTION. LOLA A. CASNATI, New York, N. Y.
Filed November 24, 1924. Serial No. 205,741. PUBLISHED FEBRUARY 23, 1926.

212,497. HAIR-REMOVER PREPARATION FOR REMOVING HAIR FROM THE HUMAN BODY. SALVATORE LUCY SURIANI, New York, N. Y.
Filed November 21, 1925. Serial No. 223,667. PUBLISHED FEBRUARY 9, 1926.

212,498. LADIES' HATS. SELF SERVICE MILLINERY STORES, INC., Woodhaven, N. Y.
Filed November 19, 1925. Serial No. 223,553. PUBLISHED FEBRUARY 16, 1926.

212,499. LADIES' HATS. DE MARINIS & LORIE, INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,286. PUBLISHED FEBRUARY 16, 1926.

212,500. DENTAL CREAM. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1925. Serial No. 222,312. PUBLISHED FEBRUARY 23, 1926.

212,501. REFRIGERATORS. LLOYD G. COPEMAN, Flint, Mich.
Filed November 23, 1925. Serial No. 223,689. PUBLISHED FEBRUARY 23, 1926.

212,502. HAIR AND SKIN POMADE IN SALVELIKE FORM, SOLD IN CONTAINERS, FOR GROWING AND STRAIGHTENING HAIR AND FOR A MASSAGING AND DEVELOPING CREAM FOR THE FACE AND BODY. THOMAS DAVIS, Far Rockaway, N. Y.
Filed November 24, 1925. Serial No. 223,770. PUBLISHED FEBRUARY 9, 1926.

212,503. LIQUID PAINTS AND PAINT ENAMELS. BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y.
Filed November 27, 1925. Serial No. 223,890. PUBLISHED JANUARY 19, 1926.

212,504. DOLL CLOTHES. MRS. ALBERTA V. HARVEY, Galveston, Tex.
Filed November 27, 1925. Serial No. 223,917. PUBLISHED FEBRUARY 23, 1926.

212,505. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed November 30, 1925. Serial No. 223,988. PUBLISHED FEBRUARY 23, 1926.

212,506. WATER PURIFIERS OF THE CARBON BLOCK AND CHARCOAL TYPE. OSCAR HENNINGS, doing business as Buhring Water Purifying Co., New York, N. Y.
Filed November 2, 1925. Serial No. 222,677. PUBLISHED FEBRUARY 23, 1926.

212,507. A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. HENRY HURD RUSBY, New York, N. Y.
Filed October 30, 1925. Serial No. 222,580. PUBLISHED FEBRUARY 23, 1926.

212,508. POLISHES FOR WOODWORK, FURNITURE, PIANOS, AND AUTOMOBILES. FRANK S. LYNDALL, doing business as Elbar Laboratories and also as El Bar Chemical Co., Chicago, Ill.
Filed October 24, 1925. Serial No. 222,263. PUBLISHED JANUARY 12, 1926.

212,509. BILLIARD BALLS, BOWLING BALLS, FISHING REELS, POOL TRIANGLES, DOMINOES, GAME COUNTERS, DICE, JACKSTRAWS, CHESSMEN, CHECKERS, CHINESE-DOMINO BLOCKS, GOLF-BALL CORES, AND GOLF CLUB HEADS. BAKELITE CORPORATION, New York, N. Y.
Filed October 23, 1925. Serial No. 222,154. PUBLISHED FEBRUARY 2, 1926.

212,510. FLAX PACKING FOR GLANDS, STUFFING BOXES, VALVE STEMS, PISTONS, PISTON RODS, AND PLUNGERS. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed October 19, 1925. Serial No. 221,970. PUBLISHED JANUARY 12, 1926.

212,511. PNEUMATIC-TIRE INNER-TUBE PATCHES. H. B. EGAN & CO., Muskogee, Okla.
Filed November 27, 1925. Serial No. 223,903. PUBLISHED FEBRUARY 23, 1926.

212,512. SOLUBLE SULPHONATED HYDROCARBON PREPARATION. ICHTHYOLITIC PRODUCTS CORPORATION OF AMERICA, New York, N. Y.
Filed November 24, 1925. Serial No. 223,787. PUBLISHED FEBRUARY 23, 1926.

212,513. PAINT OIL, PAINT FOR METALS AND CEMENT, AND TRANSPARENT AND COLORED WATERPROOFING PAINTS. JOSEPH L. SCHMITT, doing business as Ranetite Waterproofing Co., St. Louis, Mo.
Filed November 2, 1925. Serial No. 222,707. PUBLISHED JANUARY 19, 1926.

212,514. ROOFING PAINT AND VARNISH. SOUTHWESTERN PAINT & ASPHALT COMPANY, INC., Ardmore, Okla.
Filed October 9, 1925. Serial No. 221,514. PUBLISHED JANUARY 12, 1926.

212,515. LINIMENT AND ANALGESIC USED EXTERNALLY. E. FOUGERA & CO. INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,827. PUBLISHED FEBRUARY 23, 1926.

212,516. LINIMENT AND ANALGESIC USED EXTERNALLY. E. FOUGERA & CO. INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,826. PUBLISHED FEBRUARY 23, 1926.

212,517. DANDRUFF REMEDY. ARBELLA MFG. CO., New York, N. Y.
Filed January 12, 1926. Serial No. 225,823. PUBLISHED FEBRUARY 23, 1926.

212,518. COMPOUND FOR TREATING DYSPEPSIA. BEARD LABORATORIES, INC., Fort Smith, Ark.
Filed January 11, 1926. Serial No. 225,760. PUBLISHED FEBRUARY 23, 1926.

212,519. LADIES' HATS. MARTIN DEUTSCH CO. INC., New York, N. Y.
Filed December 8, 1925. Serial No. 224,414. PUBLISHED FEBRUARY 23, 1926.

212,520. LADIES', MEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF EACH. WILLIAM ROSENSTEIN & CO., doing business as Weltan Shoe Co., Baltimore, Md.
Filed December 7, 1925. Serial No. 224,362. PUBLISHED FEBRUARY 23, 1926.

212,521. PAPER BAGS. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a Corporation of Delaware.
Filed December 3, 1925. Serial No. 224,179. PUBLISHED FEBRUARY 23, 1926.

212,522. PICTURE FRAMES, CHAIR ARMS, DRAWER PULLS AND KNOBS. BAKELITE CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,586. PUBLISHED JANUARY 5, 1926.

212,523. PIANO AND FURNITURE POLISH. ADAYAKA LABORATORIES, Newark, N. J.
Filed October 14, 1925. Serial No. 221,685. PUBLISHED JANUARY 12, 1926.

212,524. TWINE, CORDAGE, AND THREAD FOR CLOSING BAGS. CHASE BAG CO., New York, N. Y.
Filed January 18, 1926. Serial No. 226,044. PUBLISHED FEBRUARY 23, 1926.

212,525. TWINE, CORDAGE, AND THREAD FOR CLOSING BAGS. CHASE BAG CO., New York, N. Y.
Filed January 18, 1926. Serial No. 226,042. PUBLISHED FEBRUARY 23, 1926.

212,526. COTTON AND SILK PIECE GOODS. M. RICH & BROS. CO., Atlanta, Ga.
Filed January 9, 1926. Serial No. 225,733. PUBLISHED FEBRUARY 23, 1926.

212,527. WOVEN, KNITTED, NETTED, TEXTILE AND PILE FABRICS IN THE PIECE, COMPRISED IN WHOLE OR IN PART OF SILK. CHENEY BROTHERS, South Manchester, Conn.
Filed January 8, 1926. Serial No. 225,647. PUBLISHED FEBRUARY 23, 1926.

212,528. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO., INC., Philadelphia, Pa.
Filed January 8, 1926. Serial No. 225,641. PUBLISHED FEBRUARY 23, 1926.

212,529. CORDAGE—NAMELY, ROPES, TWINE, AND CORD. NEW BEDFORD CORDAGE COMPANY, New York, N. Y.
Filed December 31, 1925. Serial No. 225,375. PUBLISHED FEBRUARY 23, 1926.

212,530. RAZOR-STROP DRESSING. ARTHUR L. KLOPFENSTEIN, doing business as Star Billiard Company, Fort Wayne, Ind.
Filed December 16, 1925. Serial No. 224,766. PUBLISHED FEBRUARY 9, 1926.

212,531. CROCKERY. NATHAN STRAUS & SONS, INC., New York, N. Y.
Filed December 8, 1925. Serial No. 224,436. PUBLISHED FEBRUARY 23, 1926.

212,532. BEDSPREADS. MOORE MILLS, INC., Cowpens, S. C.
Filed December 8, 1925. Serial No. 224,416. PUBLISHED FEBRUARY 23, 1926.

212,533. WAX PAPER, WAX LUNCH ROLLS, DRY AND WAXED SHREDDED PAPER, CHRISTMAS WRAPPING PAPER, AND SHELF PAPER. BENNINGTON WAX PAPER COMPANY, Bennington, Vt.
Filed November 24, 1925. Serial No. 223,763. PUBLISHED JANUARY 12, 1926.

212,534. TOY FIGURES. GEO. BORGFELDT & CO., New York, N. Y.
Filed November 30, 1925. Serial No. 223,996. PUBLISHED FEBRUARY 23, 1926.

212,535. MEN'S SOFT FELT HATS, STIFF FELT HATS, AND VELOUR HATS. MURPHY GORMAN COMPANY, Danbury, Conn.
Filed November 30, 1925. Serial No. 224,033. PUBLISHED FEBRUARY 16, 1926.

212,536. READY-MIXED PAINT. LARS JACKSON, doing business as The Lars Jackson Co., Brooklyn, N. Y.
Filed December 2, 1925. Serial No. 224,095. PUBLISHED JANUARY 26, 1926.

212,537. TALC POWDER, PERFUMES, TOILET WATER, FACE POWDER. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1925. Serial No. 222,311. PUBLISHED FEBRUARY 23, 1926.

212,538. CANVAS TUBING WHICH IS PRINCIPALLY USED FOR VENTILATING PURPOSES IN MINES. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed December 3, 1925. Serial No. 224,171. PUBLISHED FEBRUARY 2, 1926.

212,539. SOLUBLE SULPHONATED HYDROCARBON. ICHTHYOLITIC PRODUCTS CORPORATION OF AMERICA, New York, N. Y.
Filed November 24, 1925. Serial No. 223,786. PUBLISHED FEBRUARY 23, 1926.

212,540. SOLUBLE SULPHONATED HYDROCARBON. ICHTHYOLITIC PRODUCTS CORPORATION OF AMERICA, New York, N. Y.
Filed November 24, 1925. Serial No. 223,785. PUBLISHED FEBRUARY 23, 1926.

212,541. LEATHER, RUBBER, AND FABRIC SHOES. TUTTLE-SCOTT STORES, INC., Toledo, Ohio.
Filed November 19, 1925. Serial No. 223,563. PUBLISHED FEBRUARY 16, 1926.

212,542. FELT HATS FOR MEN AND YOUNG MEN. F. R. TRIPLER & CO., INC., New York, N. Y.
Filed November 18, 1925. Serial No. 223,492. PUBLISHED FEBRUARY 23, 1926.

212,543. HOSIERY AND KNITTED AND NETTED UNDERWEAR. RICHMOND HOSIERY MILLS, Rossville, Ga.
Filed June 28, 1924. Serial No. 199,325. PUBLISHED FEBRUARY 23, 1926.

212,544. MOTOR-GENERATOR SETS, BATTERY CHARGERS, ELECTRIC HOT PLATES, TOASTERS, COOKERS, AND ROOM HEATERS AND SWITCHBOARDS. THE ACME ELECTRIC & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 19, 1924. Serial No. 198,773. PUBLISHED FEBRUARY 10, 1925.

212,545. RUBBER HOSE. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 26, 1923. Serial No. 187,516. PUBLISHED FEBRUARY 23, 1926.

212,546. HAIR TONIC. A. J. KRANK MFG. CO., St. Paul, Minn.
Filed September 23, 1922. Serial No. 169,884. PUBLISHED FEBRUARY 23, 1926.

212,547. AUTOMOBILE TIRES AND TUBES. HARRY C. HOWER, Chicago, Ill.
Filed September 23, 1922. Serial No. 169,853. PUBLISHED FEBRUARY 23, 1926.

212,548. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed November 30, 1925. Serial No. 223,989. PUBLISHED FEBRUARY 23, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

212,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LEHMANN-HIGGINSON GROCER COMPANY, Wichita, Kans. Filed Aug. 24, 1925. Serial No. 219,292.

Always Good

Particular description of goods.—Jelly; Canned Fruits, Vegetables, and Fish; Vinegar, Peanut Butter, Coffee, and Breakfast Cereals.
Claims use since Aug. 1, 1913.

212,550. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Mar. 9, 1926. Serial No. 228,368.

OSTEND

Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.
Claims use since Dec. 11, 1923.

212,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARRENSBURG CANNING CO., Warrensburg, Ill. Filed Mar. 4, 1926. Serial No. 228,155.

NEUKORN

Particular description of goods.—Canned Corn.
Claims use since May 4, 1907.

212,552. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN SOAP & CHEMICAL CO., Los Angeles, Calif. Filed July 27, 1925. Serial No. 217,974.

SANTA PAULA

Particular description of goods.—Bar Soap, Toilet Soap, Automobile Soap, Chip Soap, Powdered Soap, Flake Soap, Granulated Soap, Dairy Cleaner and Detergent.
Claims use since Jan. 31, 1925.

212,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS BROTHERS, INCORPORATED, Baltimore, Md. Filed Feb. 25, 1926. Serial No. 227,811.

ROBERTS

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since July or August, 1898.

212,554. (CLASS 37. PAPER AND STATIONERY.) CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed Feb. 18, 1926. Serial No. 227,441.

Merit Bond

Particular description of goods.—Writing and Printing Paper.
Claims use since Oct. 27, 1905.

212,555. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES V. DAVIS, doing business as Santa Ana Soda and Bottling Co., Santa Ana, Calif. Filed Jan. 25, 1926. Serial No. 226,336.

WESTERN DRY

Particular description of goods.—Nonalcoholic, Maltless Beverages Used as Soft Drinks and Sirups and Extracts for Making Same, Particularly Ginger Ale.
Claims use since Sept. 15, 1924.

212,556. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed July 9, 1925. Serial No. 217,120.

GOLD MEDAL

Particular description of goods.—Fishing Lines.
Claims use since Aug. 1, 1923.

212,557. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OLGA EDWARDS, doing business as Imperial Fruit Products Co., Los Angeles, Calif. Filed Aug. 17, 1925. Serial No. 218,956.

Italian Red
INCOGNITO

Particular description of goods.—Nonalcoholic, Maltless Beverages and Sirups, and Extracts for Same.
Claims use since January, 1925.

212,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER PACKING CO., Oakland, Calif. Filed Sept. 4, 1925. Serial No. 219,831.

CHICAGO

Particular description of goods.—Hams, Lard, Bacon, Dried and Cured Bellies, Pickled Bellies; Fresh Beef, Veal, Pork, and Lamb; Sausages.
Claims use since December, 1914.

212,559. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DOTY FISH COMPANY, INC., Kalama, Wash. Filed Jan. 14, 1926. Serial No. 225,913.

COLUMBIA

Particular description of goods.—Frozen Fish.
Claims use since November, 1917.

212,560. (CLASS 37. PAPER AND STATIONERY.) HARRY HEINE, New York, N. Y. Filed May 12, 1925. Serial No. 214,207.

PEERLESS

Particular description of goods.—Rubber Stamps.
Claims use since Feb. 2, 1925.

212,561. (CLASS 39. CLOTHING.) NATHANIEL J. MASS, doing business as Mass Manufacturing Company, New York, N. Y. Filed Apr. 14, 1925. Serial No. 212,692.

"Massaigrette"

Particular description of goods.—Hats for Women, Misses, and Children.
Claims use since June 21, 1924.

212,562. (CLASS 39. CLOTHING.) EDWARD SHOE CORPORATION, New York, N. Y. Filed Mar. 31, 1925. Serial No. 211,910.

The EDWARD Shoe

No rights are asserted to the exclusive use of the word "Shoe" except as forming part of the trade-mark, shown in the drawing.
Particular description of goods.—Shoes of Leather and Fabric and Combinations Thereof.
Claims use since Mar. 16, 1925.

212,563. (CLASS 38. PRINTS AND PUBLICATIONS.) WALTER H. GEISEL, Washington, D. C. Filed Jan. 9, 1925. Serial No. 207,866.

Every Publicity Effort From Our Presses Bears This Feature: "EXCELLENCE"

The Usona Printing Company
THE HOUSE OF "PRINTING EFFICIENCY"

Particular description of goods.—Engraved or Printed Stationery, Comprising Calling Cards, Notices, Invitations, Greeting Cards, Circulars, Printed Labels, Bookmarks, Printed Post Cards and Books.
Claims use since Jan. 6, 1925.

212,564. (CLASS 32. FURNITURE AND UPHOLSTERY.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,139.

KAUFMANN'S
"THE BIG STORE"

Particular description of goods.—Mattresses, Pillows, Bolsters, Box Springs, Day Beds, Couch Pads, Cot Pads, Dining-Room Chairs, Bed Davenports, Upholstered Rockers, Upholstered Armchairs, Upholstered Sofas, Cushions and Back Pads for Summer Furniture, Footstools and Camp Cots.
Claims use since about July 1, 1913.

212,565. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALFRED J. KRANK, St. Paul, Minn. Filed Feb. 15, 1924. Serial No. 192,830.

KRANK'S

Particular description of goods.—Shoe Polish and Shaving Cream.
Claims use since October, 1908.

212,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB CO., Chicago, Ill. Filed May 21, 1925. Serial No. 214,699.

WEBB'S COFFEE

VIRGINIA BLEND

Particular description of goods.—Coffee.
Claims use since Jan. 24, 1923.

212,567. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BRIER HILL COLLERIES, Portland, Me., and Nashville and Crawford, Tenn. Filed Oct. 6, 1925. Serial No. 221,301.

TENNESSEE GEM COAL

Particular description of goods.—Coal.
Claims use since Apr. 15, 1919.

212,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUMMINGS CORPORATION, Camden, N. J., and Philadelphia, Pa. Filed Oct. 9, 1925. Serial No. 221,480.

Lime-Mints

Particular description of goods.—A Candy Mixture.
Claims use since Mar. 1, 1923.

212,569. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y., and Easton, Pa. Filed May 13, 1925. Serial No. 214,293.

KARBELT

Particular description of goods.—Transmission Belts.
Claims use since Mar. 15, 1925.

212,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER COMPANY, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 212,236.

RICH-FIELD

Particular description of goods.—Canned Fruits.
Claims use since Mar. 13, 1925.

212,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER COMPANY, San Francisco, Calif. Filed Apr. 6, 1925. Serial No. 212,235.

SPRING-FIELD

Particular description of goods.—Canned Fruits.
Claims use since Mar. 13, 1925.

212,572. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE STAR RUBBER COMPANY, Akron, Ohio. Filed Mar. 13, 1924. Serial No. 193,736.

LOAIR

Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Dec. 8, 1923.

TRADE-MARK REGISTRATIONS RENEWED

48,473. COTTON, WOOL, SILK, AND LINEN UNDERWEAR. Registered January 2, 1906. CHALMERS KNITTING COMPANY. Renewed January 2, 1926, to David W. Chalmers and John B. Johnston, receivers in equity of Chalmers Knitting Company, Amsterdam, N. Y., successor.

48,646. BUTTONS AND STUDS. Registered January 9, 1906. T. I. SMITH Co. Renewed January 9, 1926, to T. I. Smith Company, North Attleboro, Mass., a Voluntary Association of Massachusetts, successor.

50,075. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,076. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,077. PLAYING CARDS. Registered March 6, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed March 6, 1926.

50,270. A LIQUID MEDICINAL PREPARATION. Registered March 6, 1906. HENRY HEIL CHEMICAL COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed March 6, 1926.

50,639. ELECTRIC MOTORS. Registered March 27, 1906. BARTZ, WYGANT & BROWN, Hornellsville, N. Y. Renewed March 27, 1926, to The A. J. Deer Company, Inc., Hornell, N. Y., a Corporation of Delaware, assignee.

50,708. OLIVE OIL. Registered March 27, 1906. ANTONIO ZUCCA. Renewed March 27, 1926, to Lillian M. Zucca and Irma M. Zucca, executors under the will of Antonio Zucca, New York, N. Y., successors.

51,198. LEATHER BOOTS AND SHOES. Registered April 10, 1906. BION F. REYNOLDS. Renewed April 10, 1926, to Bion F. Reynolds Co., Brockton, Mass., a Corporation of Massachusetts, assignee.

51,449. PLAYING CARDS. Registered April 17, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,450. PLAYING CARDS. Registered April 17, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,475. PLAYING CARDS. Registered April 17, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,482. FLOUR MADE FROM WHEAT. Registered April 17, 1906. SHEFFIELD-KING MILLING CO. Renewed April 17, 1926, to H. H. King Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

51,487. LEATHER BOOTS, SHOES, AND SLIPPERS. Registered April 17, 1906. JOHN WANAMAKER. Renewed April 17, 1926, to John Wanamaker Philadelphia, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

51,521. SHEETINGS AND DRILLS. Registered April 17, 1906. EASLEY COTTON MILLS, Easley, S. C. Renewed April 17, 1926, to Easley Cotton Mills, Greenville, S. C., a Corporation of South Carolina.

51,701. SLEEVE BUTTONS, COLLAR BUTTONS, AND STUDS. Registered April 24, 1906. PARKS BROS. & ROGERS. Renewed April 24, 1926, to Parks Bros. & Rogers, Inc., Providence, R. I., a Corporation of Rhode Island, assignee.

51,702. SLEEVE BUTTONS, COLLAR BUTTONS, AND STUDS. Registered April 24, 1906. PARKS BROS. & ROGERS. Renewed April 24, 1926, to Parks Bros & Rogers, Inc., Providence, R. I., a Corporation of Rhode Island, assignee.

51,843. WROUGHT IRON HOLLOW WARE. Registered April 24, 1906. HERMAN WUPPERMAN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Pinneberg, Germany, an Association of Germany. Renewed April 24, 1926.

51,978. CANDIES. Registered May 1, 1906. CHARLES E. UNDERWOOD. Renewed May 1, 1926, to Underwood-Talmage Company, Dayton, Ohio, a Corporation of Ohio, assignee.

51,979. GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS. Registered May 1, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,053. COCOA AND PREPARATIONS THEREOF. Registered May 1, 1906. ARBUCKLE BROS. Renewed May 1, 1926, to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill., assignee.

52,054. CHOCOLATE AND PREPARATIONS THEREOF. Registered May 1, 1906. ARBUCKLE BROS. Renewed May 1, 1926, to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill., assignee.

52,068. RUBBER BELTING. Registered May 1, 1906. GORHAM RUBBER COMPANY, San Francisco, Calif. Renewed May 1, 1926, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee, by mesne assignments.

52,118. WRENCHES. Registered May 1, 1906. WALWORTH MANUFACTURING Co., Boston, Mass. Renewed May 1, 1926, to Walworth Company, South Boston, Mass., a Corporation of Massachusetts, assignee.

52,135. ANTISEPTICS AND DEODORANTS. Registered May 1, 1906. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,144. SALTED AND BONELESS FISH. Registered May 1, 1906. J. W. BEARDSLEY'S SONS, New York, N. Y. Renewed May 1, 1926, to J. W. Beardsley's Sons, Newark, N. J., a Corporation of New Jersey.

52,145. SALTED AND BONELESS CODFISH. Registered May 1, 1906. J. W. BEARDSLEY'S SONS, New York, N. Y. Renewed May 1, 1926, to J. W. Beardsley's Sons, Newark, N. J., a Corporation of New Jersey.

52,223. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,224. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,225. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,226. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,227. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,228. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,229. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,230. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,231. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,232. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,233. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,234. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,235. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,236. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,237. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,238. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,239. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,240. DYESTUFF. Registered May 1, 1906. BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed May 1, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

52,268. RUBBER PACKING. Registered May 8, 1906. GORHAM RUBBER COMPANY, San Francisco, Calif. Renewed May 8, 1926, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

52,515. RICE. Registered May 8, 1906. THE DOLAN MERCANTILE CO., Atchison, Kans., a Corporation of Kansas. Renewed May 8, 1926.

52,666. SCISSORS. Registered May 15, 1906. ADOLPH KASTOR & BROS., New York, N, Y. Renewed May 15, 1926.

52,795. PREPARATIONS FOR COLORING BUTTER. Registered May 15, 1906. WELLS & RICHARDSON COMPANY. Renewed May 15, 1926, to Wells & Richardson Company, Incorporated, Burlington, Vt., a Corporation of Vermont, assignee.

52,820. SPIRAL, SECTIONAL RING, FLAX AND SHEET PACKING. Registered May 15, 1906. SPECK, MARSHALL & Co. Renewed May 15, 1926, to Speck-Marshall Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

52,988. ROOFING, SHEATHING, WATERPROOFING, AND BUILDING FELT. Registered May 22, 1906. WARREN-EHRET COMPANY. Renewed May 22, 1926, to Warren-Ehret Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

53,173. HEAT REGULATORS FOR USE ON BOILERS, FURNACES, AND STOVES. Registered May 29, 1906. THE FULTON COMPANY, Knoxville, Tenn., a Corporation of Maine. Renewed May 29, 1926.

53,442. PLAYING CARDS. Registered June 5, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,579. WRENCHES. Registered June 5, 1906. WALWORTH MANUFACTURING COMPANY, Boston, Mass. Renewed June 5, 1926, to Walworth Company, South Boston, Mass., a Corporation of Massachusetts, assignee.

53,669. CANDY. Registered June 12, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed June 12, 1926.

53,686. CHISELS AND GOUGES. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,687. RAZORS. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,709. POCKETKNIVES. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,710. AUGERS, BITS, AND GIMLETS. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,711. FILES AND RASPS. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,712. CORN KNIVES AND HAY KNIVES. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,722. CERTAIN NAMED CUTLERY. Registered June 12, 1906. GEORGE WOSTENHOLM & SON, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,763. SAWS, SAW BLADES, AND SAW HANDLES. Registered June 12, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

53,937. DISINFECTANTS AND ANTISEPTICS. Registered June 12, 1906. SCHÜLKE & MAYR, Hamburg, Germany. Renewed June 12, 1926, to Lysol, Incorporated, Bloomfield, N. J., a Corporation of Delaware, assignee by mesne assignments.

53,938. DISINFECTANTS AND ANTISEPTICS. Registered June 12, 1906. SCHÜLKE & MAYR, Hamburg, Germany. Renewed June 12, 1926, to Lysol, Incorporated, Bloomfield, N. J., a Corporation of Delaware, assignee by mesne assignments.

54,001. VARNISHES, STAINS, JAPANS, AND SURFACERS. Registered June 19, 1906. CHICAGO VARNISH CO., Chicago, Ill. Renewed June 19, 1926, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

54,047. BURIAL CASKETS, COFFINS, AND FIXTURES THEREFOR. Registered June 19, 1906. NATIONAL CASKET CO., New York, N. Y. Renewed June 19, 1926, to National Casket Company, Incorporated, Oneida, N. Y., a Corporation of New York, assignee.

54,081. RUBBER PACKING, DISKS, RINGS, AND WASHERS. Registered June 19, 1906. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Renewed June 19, 1926, to Jenkins Bros., New York, N. Y., a Corporation of New Jersey, assignee.

54,159. COFFEE EXTRACT. Registered June 19, 1906. THE CAFOLIN CO. LIMITED, London, England, a Corporation of Great Britain. Renewed June 19, 1926.

54,198. TEAS. Registered June 19, 1906. ARBUCKLE BROS. Renewed June 19, 1926, to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill., assignee.

54,209. RUBBER PACKING, RUBBER GASKETS, RUBBER DISKS, RUBBER RINGS, AND RUBBER WASHERS. Registered June 19, 1906. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Renewed June 19, 1926, to Jenkins Bros., New York, N. Y., a Corporation of New Jersey, assignee.

54,291. HOSIERY. Registered June 26, 1906. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed June 26, 1926.

54,296. STEEL. Registered June 26, 1906. S. & C. WARDLOW, New York, N. Y. Renewed June 26, 1926, to M. E. Wardlow and A. Duncan Barber, joint executors of Marmaduke Wardlow, deceased, Sheffield, England, successor.

54,392. COFFEE. Registered June 26, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed June 26, 1926.

54,393. SPICES AND MUSTARD. Registered June 26, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed June 26, 1926.

54,394. CANNED FRUITS AND CANNED VEGETABLES. Registered June 26, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed June 26, 1926.

54,432. MARINE PAINT. Registered June 26, 1906. HARRY LOUDERBOUGH. Renewed June 26, 1926, to New Jersey Paint Works, Harry Louderbough, Inc., Jersey City, N. J., a Corporation of New Jersey, assignee.

54,433. MARINE PAINT. Registered June 26, 1906. HARRY LOUDERBOUGH. Renewed June 26, 1926, to New Jersey Paint Works, Harry Louderbough, Inc., Jersey City, N. J., a Corporation of New Jersey, assignee.

54,550. RUBBER HOSE. Registered June 26, 1906. GORHAM RUBBER COMPANY, San Francisco, Calif. Renewed June 26, 1926, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

54,554. SALTED AND BONELESS FISH. Registered June 26, 1906. J. W. BEARDSLEY'S SONS, New York, N. Y. Renewed June 26, 1926, to J. W. Beardsley's Sons, Newark, N. J., a Corporation of New Jersey.

54,566. AN INTERNAL REMEDY, BEING A DIURETIC MEDICINE. Registered June 26, 1906. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Renewed June 26, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,612. CERTAIN NAMED CHEMICALS. Registered June 26, 1906. BRUNNER, MOND & CO., LIMITED, Northwich, England, a Corporation of Great Britain. Renewed June 26, 1926.

54,623. PLAYING CARDS. Registered June 26, 1906. THE NEW YORK CONSOLIDATED CARD COMPANY, Long Island City, N. Y., a Corporation of New York. Renewed June 26, 1926.

54,703. REPAIR LINKS FOR LINK CHAINS. Registered June 26, 1906. DIAMOND CHAIN AND MANUFACTURING COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed June 26, 1926.

54,837. LEATHER BOOTS AND SHOES. Registered July 31, 1906. SHOEMART COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed July 31, 1926.

54,839. TRADE JOURNALS. Registered July 31, 1906. WARE BROS. COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed July 31, 1926.

54,874. CIRCULAR, BAND, HAND, AND CROSSCUT SAWS. Registered July 31, 1906. JOSHUA OLDHAM AND SONS. Renewed July 31, 1926, to Joshua Oldham Manufacturing Company, Brooklyn, N. Y., a Corporation of New York, assignee by mesne assignments.

54,880. PICKS, MATTOCKS, GRUB HOES, AND EYE HOES. Registered July 31, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed July 31, 1926.

54,890. KNIT UNDERSHIRTS AND DRAWERS. Registered July 31, 1906. COOPER UNDERWEAR COMPANY, Kenosha, Wis., a Corporation of Wisconsin. Renewed July 31, 1926.

54,966. AMMONIUM CHLORIDE. Registered August 7, 1906. BRUNNER, MOND & CO. LIMITED, Northwich, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,006. PRINTED COTTON FABRICS. Registered August 7, 1906. PACIFIC MILLS, Lawrence, Mass. Renewed August 7, 1926, to Pacific Mills, Boston, Mass., a Corporation of Massachusetts.

55,029. CERTAIN NAMED METAL WARE. Registered August 7, 1906. TIFFANY & COMPANY, New York, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,075. RUBBER BOOTS AND SHOES. Registered August 7, 1906. HOOD RUBBER CO., Boston, Mass. Renewed August 7, 1926, to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts.

55,080. MAGNET STEEL. Registered August 7, 1906. FIRTH-STERLING STEEL COMPANY, Pittsburgh, Pa. Renewed August 7, 1926, to Firth-Sterling Steel Company, McKeesport, Pa., a Corporation of Pennsylvania.

55,140. HEATING FURNACES. Registered August 7, 1906. UTICA HEATER COMPANY, Utica, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,161. BEER. Registered August 7, 1906. JACOB RUPPERT. Renewed August 7, 1926, to Jacob Ruppert, New York, N. Y., a Corporation of New York, assignee.

55,191. WHEAT FLOUR. Registered August 7, 1906. ST. MARY'S MILL COMPANY, St. Marys, Mo., a Corporation of Missouri. Renewed August 7, 1926.

55,304. WRITING AND DRAWING PAPERS. Registered August 14, 1906. RICHARD JAMES BALSTON. Renewed August 14, 1926, to W. & R. Balston, Limited, Springfield Mills, Maidstone, England, a Corporation of Great Britain, assignee.

55,305. WRITING AND DRAWING PAPERS. Registered August 14, 1906. RICHARD JAMES BALSTON. Renewed August 14, 1926, to W. & R. Balston, Limited, Springfield Mills, Maidstone, England, a Corporation of Great Britain, assignee.

55,379. RAZORS. Registered August 14, 1906. GEORGE WOSTENHOLM & SON, LIMITED, Sheffield, England, and New York, N. Y. Renewed August 14, 1926, to George Wostenholm & Son, Limited, Sheffield, England, a Corporation of Great Britain.

55,381. MAGAZINES. Registered August 14, 1906. THE GOLDEN RULE COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed August 14, 1926.

55,503. CIRCULAR, BAND, HAND, AND CROSSCUT SAWS. Registered August 14, 1926. JOSHUA OLDHAM & SONS. Renewed August 14, 1926, to Joshua Oldham Manufacturing Company, Brooklyn, N. Y., a Corporation of New York, assignee by mesne assignments.

55,550. CIGARS. Registered August 14, 1906. REYMER & BROTHERS, INC., Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,606. OINTMENTS. Registered August 21, 1906. FOSTER-MCCLELLAN CO., Buffalo, N. Y., a Corporation of New York. Renewed August 21, 1926.

55,624. WHEAT FLOUR. Registered August 21, 1906. ST. MARY'S MILL COMPANY, St. Marys, Mo., a Corporation of Missouri. Renewed August 21, 1926.

55,653. TOYS AND TOY CIRCUS EQUIPMENT. Registered August 21, 1906. THE A. SCHOENHUT COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 21, 1926.

55,658. PLASTERS AND SALVES. Registered August 21, 1906. P. BEIERSDORF & Co., Hamburg-Eimsbuttel, Germany. Renewed August 21, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,704. WOOL AND COTTON PIECE GOODS. Registered August 21, 1906. PACIFIC MILLS, Lawrence, Mass. Renewed August 21, 1926, to Pacific Mills, Boston, Mass., a Corporation of Massachusetts.

55,755. SHREDDED CODFISH. Registered August 21, 1906. J. W. BEARDSLEY'S SONS, New York, N. Y. Renewed August 21, 1926, to J. W. Beardsley's Sons, Newark, N. J., a Corporation of New Jersey.

55,760. CORN SALVE. Registered August 21, 1906. KOHLER MANUFACTURING COMPANY, Baltimore, Md., a Corporation of Delaware. Renewed August 21, 1926.

55,801. POP CORN. Registered August 21, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,842. PAINTS OF ALL KINDS, ENAMELS, STAINS, AND VARNISHES. Registered August 21, 1906. ACME WHITE LEAD & COLOR WORKS, Detroit, Mich., a Corporation of Michigan. Renewed August 21, 1926.

55,855. COMPOUND FOR POLISHING. Registered August 21, 1906. GEORGE WILLIAM HOFFMAN. Renewed August 21, 1926, to George William Hoffman Co., Indianapolis, Ind., a Corporation of Indiana, assignee.

55,868. MANUFACTURED PLUG, TWIST, AND CUT TOBACCO. Registered August 21, 1906. ZIMMER & CO. INC. Renewed August 21, 1926, to Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va., a Corporation of Virginia, assignee by mesne assignments.

55,876. BUTTER. Registered August 21, 1906. JAMES ROWLAND & COMPANY, New York, N. Y., a Corporation of New York. Renewed August 21, 1926.

55,885. CERTAIN NAMED MEDICINES. Registered August 21, 1906. FREDERICK BISCHOFF, New York, N. Y. Renewed August 21, 1926, to Standard Hom. Globule & Disk Co., Inc., Brooklyn, N. Y., a Corporation of New York, successor.

55,908. ANTICORROSIVE AND ANTIFOULING PAINTS. Registered August 21, 1906. RAHTJEN'S AMERICAN COMPOSITION COMPANY. Renewed August 21, 1926, to Red Hand Compositions Company Inc., New York, N. Y., a Corporation of New York, assignee.

55,934. ELECTRICAL BURGLAR ALARMS. Registered August 21, 1906. AMERICAN BANK PROTECTION COMPANY. Renewed August 21, 1926, to O. B. McClintock Company, Minneapolis, Minn., a Corporation of Minnesota, successor.

55,966. SHEETINGS. Registered August 21, 1906. BELTON MILLS, Belton, S. C., a Corporation of South Carolina. Renewed August 21, 1926.

56,070. SHAVING AND WHITENING BLADES. Registered August 21, 1906. L. HARDY COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed August 21, 1926.

56,090. TIN AND TERNE PLATE. Registered August 21, 1906. N. & G. TAYLOR CO. Renewed August 21, 1926, to N. & G. Taylor Co. Incorporated, Philadelphia, Pa., a Corporation of Maryland, assignee.

56,103. PICKLED OR CORNED BEEF. Registered August 21, 1906. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

56,108. GILDING TOOLS. Registered August 21, 1906. W. H. COE MFG. CO., Providence, R. I., a Corporation of Rhode Island. Renewed August 21, 1926.

56,116. SCYTHES AND GRASS HOOKS. Registered August 28, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed August 28, 1926.

56,118. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,119. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,120. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,121. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,122. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,123. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,124. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,126. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,140. A MEDICAL PREPARATION FOR THE CURE OF HEADACHE AND NEURALGIA. Registered August 28, 1906. KOHLER MANUFACTURING COMPANY, Baltimore, Md., a Corporation of Delaware. Renewed August 28, 1926.

56,153. SCISSORS, SHEARS, AND HAIR CLIPPERS. Registered August 28, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed August 28, 1926.

56,154. DRAWING KNIVES AND BOX SCRAPERS. Registered August 28, 1906. SIMMONS HARDWARE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed August 28, 1926.

56,156. HORSE CLIPPERS AND SHEEP SHEARS. Registered August 28, 1906. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 28, 1926.

56,187. PISTON ROD AND JOINT PACKINGS. Registered August 28, 1906. THE MECHANICAL RUBBER CO., New York, N. Y. Renewed August 28, 1926, to The Mechanical Rubber Company, New York, N. Y.; Cleveland, Ohio; and Chicago, Ill., a Corporation of New Jersey.

56,189. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,190. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,191. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,192. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,193. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,194. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

56,195. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

56,196. PAPER BAGS. Registered August 28, 1906. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed August 28, 1926, to Union Bag & Paper Corporation, New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey, assignee.

56,243. PIANOS. Registered September 4, 1906. B. H. JANSSEN. Renewed September 4, 1926, to Janssen Piano Co. Inc., New York, N. Y., a Corporation of New York, assignee.

56,291. TUBULAR LAMPS AND LANTERNS AND PARTS THEREOF. Registered September 4, 1906. R. E. DIETZ COMPANY, New York, N. Y., a Corporation of New York. Renewed September 4, 1926.

56,294. SEWING MACHINES, COVERS, TABLES, STANDS, AND ATTACHMENTS. Registered September 4, 1906. WHITE SEWING MACHINE COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed September 4, 1926.

56,295. SEWING MACHINES, COVERS, TABLES, STANDS, AND ATTACHMENTS. Registered September 4, 1906. WHITE SEWING MACHINE COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed September 4, 1926.

56,317. CERTAIN NAMED CLOTHING. Registered September 11, 1906. THE BEDELL COMPANY, New York, N. Y., a Corporation of New York. Renewed September 11, 1926.

56,394. LOCKS, PADLOCKS, AND KEYS. Registered September 18, 1906. MILLER LOCK COMPANY, Philadelphia, Pa. Renewed September 18, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

LABELS

REGISTERED MAY 4, 1926.

30,278.—*Title:* NO. 701 EGG BOX DESIGN. For Eggs. BLOOMER BROS. COMPANY, Newark, N. Y. Published January 26, 1926.

30,279.—*Title:* NO. 702 EGG BOX DESIGN. For Eggs. BLOOMER BROS. COMPANY, Newark, N. Y. Published January 26, 1926.

30,280.—*Title:* NO. 703 EGG BOX DESIGN. For Eggs. BLOOMER BROS. COMPANY, Newark, N. Y. Published January 26, 1926.

30,281.—*Title:* CORN-ALFA BRAND CREAMERY BUTTER. For Butter. BLOOMINGTON COOPERATIVE CREAMERY CO., Bloomington, Wis. Published December 19, 1925.

30,282.—*Title:* BRAINARD'S CLEAN POINT. For Ink. BRAINARD'S LABORATORIES, INC., Cleveland, Ohio. Published May 1, 1925.

30,283.—*Title:* ESCOLITE. For a Patented Washing Compound. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Published February 11, 1926.

30,284.—*Title:* DR. FENTON'S NECROSIDE SPECIAL PREPARATION NO. 2. For a Preparation for the Treatment of Necrobacillosis, Green Scours, or Bowel Trouble in Hogs. E. M. FENTON, doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Published December 28, 1925.

30,285.—*Title:* DR. E. B. FENTON'S SPECIAL PREPARATION NO. 1. For a Preparation for the Treatment of Influenza, Pneumonia, Bronchitis, and Cough or Thumps in Swine. E. M. FENTON, doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Published December 28, 1925.

30,286.—*Title:* DR. E. B. FENTON'S SPECIAL PREPARATION NO. 4. For a Preparation for the Treatment of Leukemiæ, Icterus, Jaundice, and Enlarged Spleen in Hogs. E. M. FENTON, doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Published December 28, 1925.

30,287.—*Title:* YACCO CRYSTAL—YE ANCIENT CRYSTAL CONFIDES ORACLES. For Crystal Ball and Bronze Stand for Holding Same. CHARLES FISHER, San Francisco, Calif. Published March 10, 1926.

30,288.—*Title:* FRISCH PROCESS. For Bread. EMILE FRISCH, Chicago, Ill. Published October 15, 1925.

30,289.—*Title:* NUTYPE. For a Noninflammable Type Cleanser. WALTER G. GIES, doing business as Walter G. Gies Company, Baltimore, Md. Published March 31, 1926.

30,290.—*Title:* KEEP-WELL SONG FOOD. For Canary-Bird Food. LOUIS HALLER & OTTO HALLER, doing business as Haller's Bird Store, Cincinnati, Ohio. Published September 21, 1925.

30,291.—*Title:* HONEY CRISP POTATO CHIPS. For Potato Chips. LANTZ BROS. BAKING CO., St. Louis, Mo. Published March 30, 1926.

30,292.—*Title:* OHIO EGGS. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Cottage Creamery Company, Cleveland, Ohio. Published March 24, 1926.

30,293.—*Title:* IDEAL NUT OLEOMARGARINE. For Oleomargarine. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Ideal Food Products Company, Peoria, Ill. Published March 24, 1926.

30,294.—*Title:* THE NURSE'S LINIMENT NO. 2. For Liniment. WINFIELD GRAVES PIPER, R. N., doing business as The Nurse's Cerate Co., West Roxbury, Mass. Published March 27, 1926.

30,295.—*Title:* GOLDEN CIRCLE. For Oranges. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION, Redlands, Calif. Published December 31, 1925.

30,296.—*Title:* A BIRD OF A LINE. For Leather Goods. J. ROBBINS & SONS, INC., New York, N. Y. Published November 15, 1925.

30,297.—*Title:* PEARLEGGS. For Eggs. W. A. SCHURMANN & COMPANY, Chicago, Ill. Published March 25, 1926.

30,298.—*Title:* GAD PHOSPHO-GADUTOLE. For a Cough Medicine. SAMUEL SILBER, doing business as Samfred Drug Company and as Fig-O-Lax Ovals Co., Newark, N. J. Published February 1, 1926.

30,299.—*Title:* STANDARD CEMENT. For High-Temperature Cement. STANDARD FUEL ENGINEERING CO., Detroit, Mich. Published January 2, 1926.

30,300.—*Title:* RED BALL LIVER CAPS. For Liver Medicine. WILLIAM ALEXANDER VERDIER M. D., doing business as Red Ball Laboratories, Weslaco, Tex. Published November 21, 1925.

30,301.—*Title:* WATERMAN'S IDEAL FOUNTAIN PEN. For Fountain Pens. L. E. WATERMAN COMPANY, doing business as Waterman's, New York, N. Y. Published November 1, 1925.

30,302.—*Title:* AA-GRADE WHITE CROSS THE PERFECTED MALTED MILK. For Malted Milk. WHITE CROSS FOOD COMPANY, Racine, Wis. Published December 31, 1925.

30,303.—*Title:* YALE. For Flat Finish. YALE PAINT & SHELLAC COMPANY, Newark, N. J. Published January 2, 1926.

PRINTS

REGISTERED MAY 4, 1926.

8,744.—*Title:* DO YOU VALUE YOUR COMFORT? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 24, 1926.

8,745.—*Title:* ONE LITTLE LOOK CAN SAVE YOU MUCH TROUBLE. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published March 31, 1926.

8,746.—*Title:* LES PASTELS COTY. For Rouges. COTY, INC., Wilmington, Del., and New York, N. Y. Published March 16, 1926.

8,747.—*Title:* EVERY BOY AND GIRL NEEDS A HOT CEREAL BREAKFAST. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 6, 1926.

8,748.—*Title:* TRY THIS DESSERT FOR CONVALESCENTS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 1, 1926.

8,749.—*Title:* HEALTH AND DELIGHT IN EVERY BITE. For Frozen Confection. ESKIMO PIE CORPORATION, Louisville, Ky. Published February 20, 1926.

8,750.—*Title:* FORESITE. For a Dentifrice. FORESITE MANUFACTURING CO., Minneapolis, Minn. Published January 23, 1926.

8,751.—*Title:* OVEN BAKED. For Oven-Baked Beans. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published March 6, 1926.

8,752.—*Title:* HEINZ KETCHUP IMPROVES THE BEST. For Tomato Ketchup. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published February 6, 1926.

8,753.—*Title:* A TEENIE WEENIE WEDDING. For Pickles. REID, MURDOCH & CO., Chicago, Ill. Published March 27, 1926.

8,754.—*Title:* IN EVERY ROPER. For Gas Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published June 20, 1925.

8,755.—*Title:* SYMBOL OF HAPPINESS. For Gas and Electric Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published December 22, 1925.

8,756.—*Title:* FIRE FUN. For Fireworks. LAKESIDE FIRE WORKS CO., Roscoe, Ill. Published January 11, 1926.

8,757.—*Title:* LOVIT. For Cereal Food Products. THE LOVIT COMPANY, Milwaukee, Wis. Published September 1, 1925.

8,758.—*Title:* SOME FACTS ABOUT VITALIS. For a Leather Shoe Dressing. PHINEAS MOSES MAYER, New Orleans, La. Published February 6, 1926.

8,759.—*Title:* NIF-TIES. For Bow Ties. W. F. SMITH, New York, N. Y. Published January 2, 1926.

8,760.—*Title:* CONTOURS AND GENERAL DIMENSIONS OF DOPP CAST IRON SEAMLESS JACKETED KETTLES. For Cast-Iron Seamless Jacketed Kettles. SOWERS MANUFACTURING CO., Buffalo, N. Y. Published February 5, 1925.

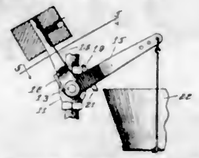
8,761.—*Title:* VINCO CERTIFIES. For a Boiler-Treating Powder. THE VINCO COMPANY, INC., New York, N. Y. Published March 15, 1926.

8,762.—*Title:* A WYKO EVENING AT HOME. For Picture Projectors. WYKO PROJECTOR CORPORATION, New York, N. Y. Published March 22, 1926.

REISSUES

MAY 4, 1926.

16,339. SAFETY VALVE FOR OIL BURNERS AND THE LIKE. LEE G. DANIELS, Rockford, Ill. Filed Nov. 13, 1925. Serial No. 68,923. Original No. 1,524,914, dated Feb. 3, 1925, Serial No. 529,823, filed Jan. 17, 1922. 13 Claims. (Cl. 158—423.)

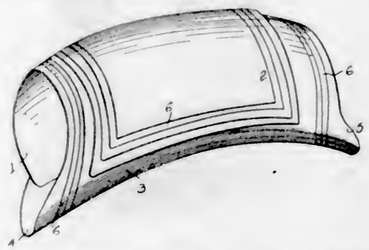


9. In a fuel burning system, in combination, a burner, a fuel supply line to the burner, an overflow or excess feed return pipe from the burner, a valve in the fuel supply line having a valve member adapted to be closed by the action of a screw-thread connection, a weighted member adapted to be normally held in a set position and to be released from said position by flow of fuel from said return pipe and being so connected with said valve as to seat its valve member by a closing movement increasing in pressure with the fall of the weight, and means having a releasable connection with said weighted member and adapted to be actuated by fuel from said return pipe for releasing said weighted member from its said set position, said means being adapted to be automatically reset by movement of the weighted member to its said set position.

16,340. METHOD OF PRODUCING AN ADHERENT COATING OF AN OXYGENOUS MAGNESIUM COMPOUND, AND OBJECT COMPRISING SAME. CHRISTIAN BERGH BACKER, Brooklyn, N. Y., assignor of two-thirds to A/S de Norske Saltverker, Bergen, Norway. Filed Jan. 29, 1925. Serial No. 6,500. Original No. 1,451,755, dated Apr. 17, 1923, Serial No. 522,941, filed Dec. 16, 1921. 18 Claims. (Cl. 148—6.)

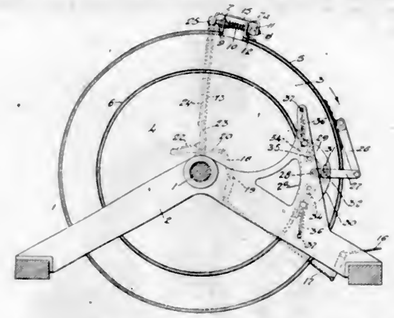
1. Method of producing a coating upon objects and materials of magnesium and magnesium alloys which comprises heating of the objects in the presence of water under pressure at a temperature of above 100° C.

16,341. REPAIR SHIELD. JAMES H. BURROW and GEORGE A. BURROW, Spokane, Wash., assignors to Burrow Manufacturing Company, Spokane, Wash., a Corporation of Washington. Filed Jan. 16, 1926. Serial No. 81,859. Original No. 1,528,044, dated Mar. 3, 1925, Serial No. 685,795, filed Jan. 12, 1924. 11 Claims. (Cl. 152—24.)



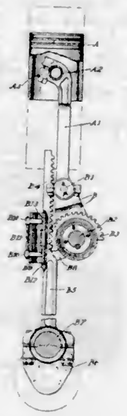
1. A repair shield having an intermediate anchoring portion adapted to engage the inner side of a tire tube and inner and outer portions one of which is adapted to wrap around the tube and the other to encircle the wrapped portion.

16,342. BRAKE MECHANISM. HUBERT A. MYERS, Toledo, Ohio, assignor, by direct and mesne assignments, to Frank E. Liverance, jr., Grand Rapids, Mich. Filed June 4, 1923. Serial No. 643,446. Original No. 1,182,402, dated May 9, 1916, Serial No. 876,033, filed Dec. 8, 1914. 27 Claims. (Cl. 188—135.)



1. In combination, a rotatable member, a pair of friction bands operable to engage and release said member, a connection between said bands operable to cause one to grip said member when the other is in engagement with the member and moved thereby a device for causing the said other band to engage said member to cause such gripping by the first band, a manually operable lever supported separately from said bands, and means for linking said lever and said device to provide manual control of said other band and automatic control of the first band by said other band.

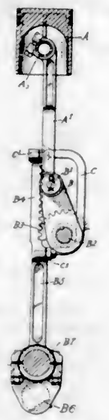
16,343. TRANSMISSION FOR ENGINES. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Miles City, Mont., a Corporation. Filed Mar. 16, 1923. Serial No. 625,671. Original No. 1,384,335, dated July 12, 1921, Serial No. 429,168, filed Dec. 8, 1920. 9 Claims. (Cl. 74—14.) Division A.



1. In a transmission member, the combination of a cylinder, a piston in said cylinder, a lever pivoted in relation to said cylinder and a rod directly connected

with said piston and lever, a pinion operatively connected with said lever so as to move in unison therewith, and having a pitch radius different from the length of said lever, a rack engaging said pinion, a pivoted movable guide for holding said rack in engagement with said pinion and a power shaft rotatable by the movement of said rack.

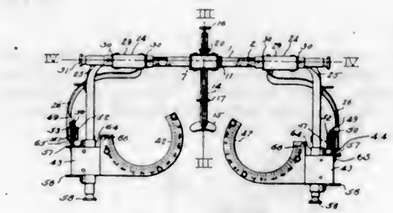
16,344. TRANSMISSION FOR ENGINES. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Miles City, Mont., a Corporation. Filed Mar. 16, 1923. Serial No. 625,672. Original No. 1,384,335, dated July 12, 1921, Serial No. 429,168, filed Dec. 8, 1920. 4 Claims. (Cl. 74—14.) Division B.



1. An oscillating connecting rod, a rack thereon, an actuating pinion in mesh with the rack, guide rails for the pinion on each side of the rack and a means for maintaining the pinion in mesh with the rack, said means including a guide attached to the connecting rod, said guide having side rails to guide the rack.

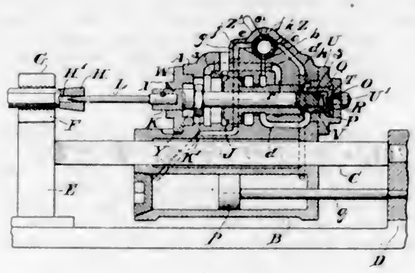
16,345. TRIAL FRAME. CHARLES SHEARD, Rochester, Minn., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 23, 1926. Serial No. 96,892. Original No. 1,557,347, dated Oct. 13, 1925, Serial No. 572,632, filed July 3, 1922. 22 Claims. (Cl. 88—20.)

1. In a device of the character described, the combination with a central bar and a vertically and angularly adjustable nose rest support associated therewith comprising a block, a sleeve rotatably arranged around the block, means carried by the sleeve to prevent rotation thereof upon the block, and friction means for securing



the nose rest support in desired vertically adjusted position and a positive release for the friction lock to disengage the same when it is desired to raise the nose rest support.

16,346. SHANK AND BIT PUNCH. JESSE DITSON, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 10, 1926. Serial No. 87,452. Original No. 1,554,799, dated Sept. 22, 1925, Serial No. 17,451, filed Mar. 21, 1925. 9 Claims. (Cl. 76—5.)



1. In a shank and bit punch for drill steels, the combination of means for holding the drill steel, a hammer cylinder, a fluid actuated reciprocating hammer piston in said cylinder, an anvil block mounted in said cylinder and having a shank extending through the piston, a pin carried by said anvil block and adapted to enter the drill steel, and means on the anvil block to cooperate with the piston for driving the anvil block in opposite directions.

DESIGNS

MAY 4, 1926.

70,046. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y., a Corporation of New York. Filed May 5, 1925. Serial No. 13,324. Term of patent 14 years.

The ornamental design for a spoon or similar article as shown.

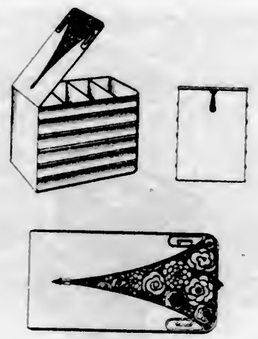
70,047. CLASS RING. ANDERS H. ANDERSEN, Poughkeepsie, N. Y. Filed Jan. 27, 1926. Serial No. 16,306. Term of patent 14 years.

The ornamental design for a class ring as shown.

70,048. TEXTILE FABRIC. NEYSA MCMEIN BARAGWANATH, New York, N. Y., assignor to Stehli Silks Corporation, a Corporation of New York. Filed Jan. 15, 1926. Serial No. 16,069. Term of patent 3½ years.

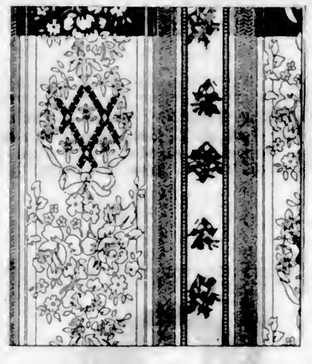
The ornamental design for a textile fabric as shown.

70,049. DISPLAY BOX FOR SOAPS. MAXIME BIETTE, Nantes, France, assignor to Biette, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 9, 1926. Serial No. 16,465. Term of patent 7 years.



The ornamental design for a display box for soaps substantially as shown.

70,050. MATTRESS TICKING. REUBEN BINKOVITZ, New York, N. Y. Filed Feb. 8, 1926. Serial No. 16,445. Term of patent 3½ years.

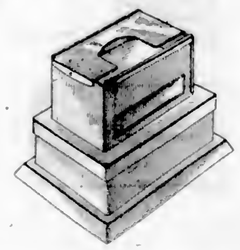


The ornamental design for a mattress ticking, as shown.

70,051. MATTRESS TICKING. REUBEN BINKOVITZ, New York, N. Y. Filed Feb. 8, 1926. Serial No. 16,446. Term of patent 3½ years.

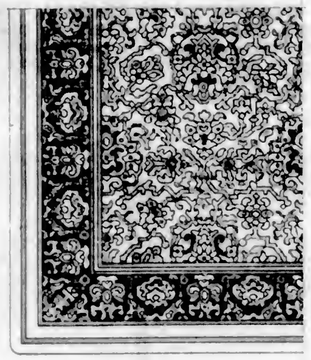
The ornamental design for a mattress ticking, as shown.

70,052. COMBINED CIGARETTE AND MATCH RECEPTACLE. EDWIN CALDWELL, New York, N. Y. Filed Feb. 12, 1924. Serial No. 8,619. Term of patent 3½ years.



The ornamental design for a combined cigarette and match receptacle, as shown.

70,053. RUG. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 15,537. Term of patent 3½ years.

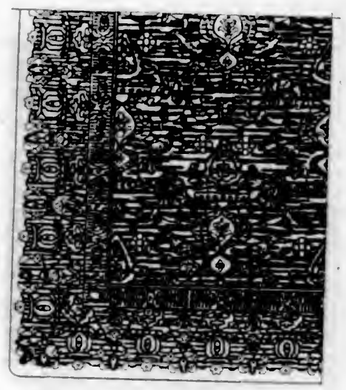


The ornamental design for a rug as shown and described.

70,054. RUG. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 15,538. Term of patent 3½ years.

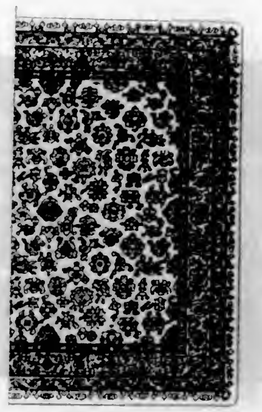
The ornamental design for a rug as shown and described.

70,055. RUG. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 15,539. Term of patent 3½ years.



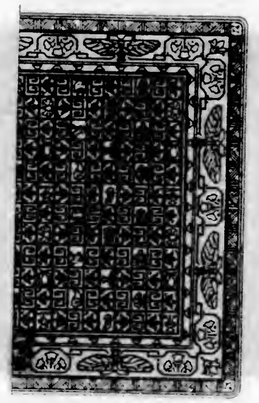
The ornamental design for a rug as shown and described.

70,056. RUG. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 15,540. Term of patent 3½ years.



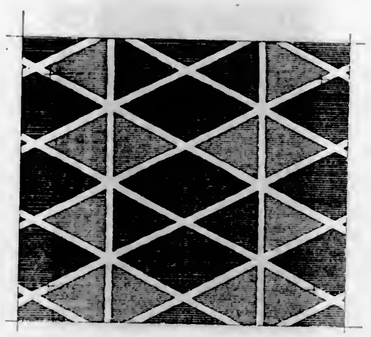
The ornamental design for a rug as shown and described.

70,057. RUG. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 15,541. Term of patent 3½ years.



The ornamental design for a rug as shown and described.

70,058. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,646. Term of patent 3½ years.

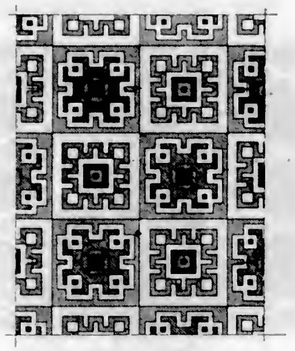


The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,059. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,650. Term of patent 3½ years.

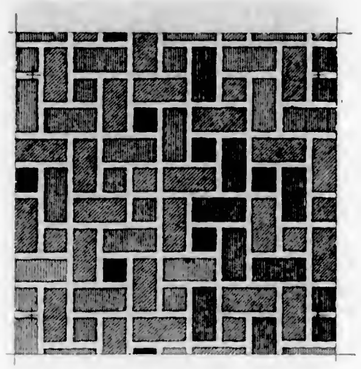
The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,060. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,651. Term of patent 3½ years.



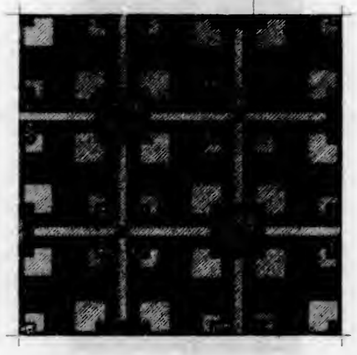
The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,061. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,652. Term of patent 3½ years.



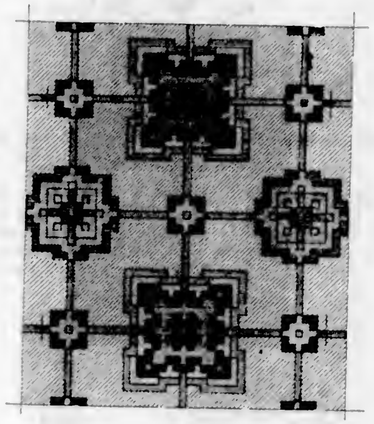
The ornamental design for linoleum or similar hard surfaced covering as shown and described.

70,062. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,655. Term of patent 3½ years.



The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,063. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,656. Term of patent 3½ years.

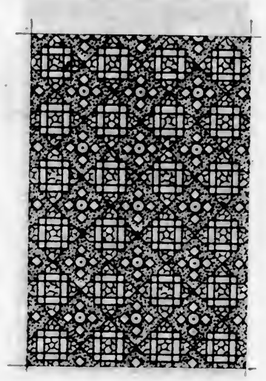


The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,064. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,658. Term of patent 3½ years.

The ornamental design for linoleum or similar hard surfaced covering as shown.

70,065. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,659. Term of patent 3½ years.

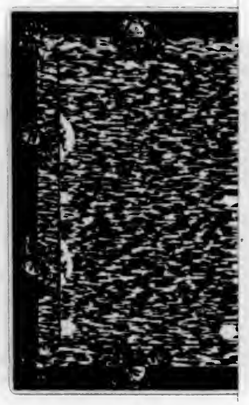


The ornamental design for linoleum or similar hard surfaced covering as shown.

70,066. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,660. Term of patent 3½ years.

The ornamental design for linoleum or similar hard surfaced covering, as shown.

70,067. RUG OR SIMILAR ARTICLE. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,661. Term of patent 3½ years.

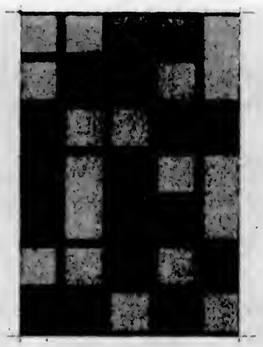


The ornamental design for a rug or similar article, as shown and described.

70,068. RUG OR SIMILAR ARTICLE. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,662. Term of patent 3½ years.

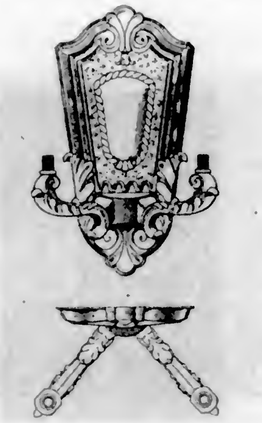
The ornamental design for a rug or similar article, as shown and described.

70,069. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,663. Term of patent 3½ years.



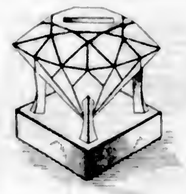
The ornamental design for linoleum or similar hard surfaced covering, as shown and described.

70,070. ELECTRIC WALL BRACKET. FREDERICK CRAIB, Martinez, Calif. Filed Mar. 6, 1926. Serial No. 16,817. Term of patent 3½ years.



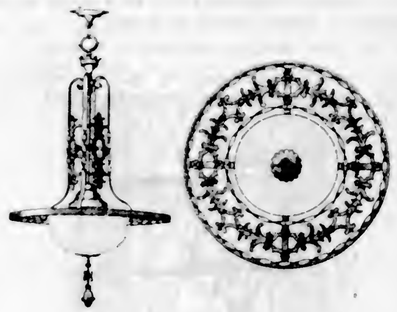
The ornamental design for an electric wall-bracket as shown.

70,071. SAVINGS BANK. GOSLEE F. GEIGER, Louisville, Ky. Filed Mar. 10, 1926. Serial No. 16,861. Term of patent 14 years.



The ornamental design for a savings bank, as shown.

70,072. LIGHTING FIXTURE. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Mar. 10, 1926. Serial No. 16,857. Term of patent 3½ years.

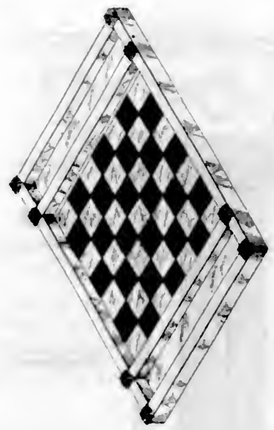


The ornamental design for lighting fixture substantially as shown.

70,073. BIRDCAGE. NATHAN W. HENDRYX, New Haven, Conn., assignor to The Andrew B. Hendryx Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 29, 1925. Serial No. 12,178. Term of patent 14 years.

The ornamental design for a birdcage, substantially as shown.

70,074. COMBINED TRAY AND CHECKERBOARD. MAX HIMMELFARB, Brooklyn, N. Y. Filed Jan. 20, 1926. Serial No. 16,187. Term of patent 7 years.

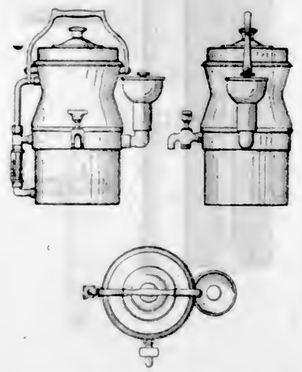


The ornamental design for a combined tray and checkerboard as shown.

70,075. FINGER RING. CHARLES A. HOGUE, Huntingburg, Ind. Filed June 15, 1923. Serial No. 6,504. Term of patent 14 years.

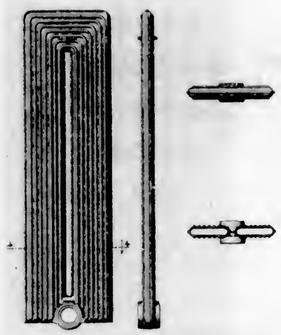
The ornamental design for finger ring as shown.

70,076. COFFEEPOT. HENRY D. KELLY, Kansas City, Mo. Filed July 13, 1925. Serial No. 14,072. Term of patent 14 years.



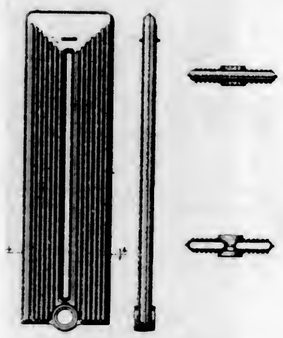
The ornamental design for a coffeepot, as shown.

70,077. RADIATOR SECTION. ARCHER A. LANDON, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 2, 1921. Serial No. 498,135. Term of patent 14 years.



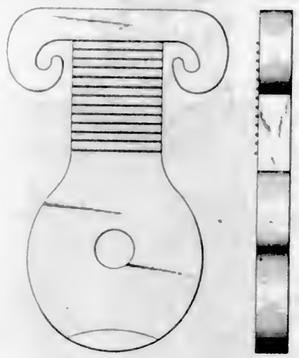
The ornamental design for a radiator section as shown.

70,078. RADIATOR SECTION. ARCHER A. LANDON, Buffalo, N. Y., assignor to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 2, 1921. Serial No. 498,136. Term of patent 14 years.



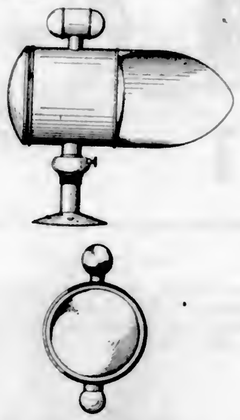
The ornamental design for a radiator section, as shown.

70,079. BODY FOR A FRETTED MUSICAL INSTRUMENT OR SIMILAR ARTICLE. ROLAND J. MARKHAM, Spokane, Wash. Filed Sept. 9, 1924. Serial No. 10,719. Term of patent 7 years.



The ornamental design for a body for a fretted musical instrument or similar article, as shown.

70,080. SPOTLIGHT. JOHN G. MARTIN, Waterbury, Conn. Filed Jan. 9, 1926. Serial No. 16,019. Term of patent 7 years.

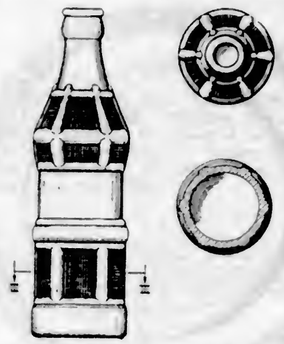


The ornamental design for a spotlight as shown.

70,081. BOTTLE. JOHN P. MEYER, Union City, N. J. Filed Aug. 19, 1925. Serial No. 14,523. Term of patent 3½ years.

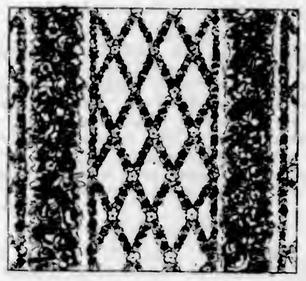
The ornamental design for a bottle, as shown.

70,082. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 20, 1926. Serial No. 16,627. Term of patent 14 years.



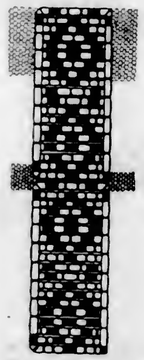
The ornamental design for a bottle, substantially as shown.

70,083. TEXTILE FABRIC. FRANKLIN H. PILLSBURY, Arlington, N. J. Filed Feb. 15, 1926. Serial No. 16,529. Term of patent 3½ years.



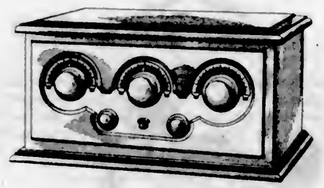
The ornamental design for a textile fabric substantially as shown.

70,084. EMBROIDERED LACE. ELIZABETH A. DAVIS PRESS, White Plains, N. Y., assignor to Blanck & Co., Inc., New York, N. Y. Filed June 12, 1925. Serial No. 13,756. Term of patent 3½ years.



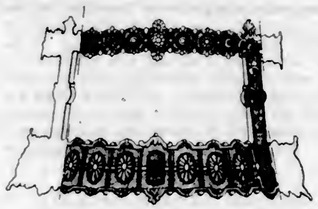
The ornamental design for embroidered lace, as shown.

70,085. RADIOCABINET. FRANK J. REICHMANN, Chicago, Ill. Filed July 22, 1925. Serial No. 14,176. Term of patent 14 years.



The ornamental design for a radio cabinet as shown.

70,086. FRAME FOR LAMP SHADES OR SIMILAR ARTICLES. ADOLPH SCHMITT, Bogota, N. J., assignor to Royal Metal Lighting Fixture Co., Inc., a Corporation of New York. Filed Jan. 30, 1926. Serial No. 16,332. Term of patent 3½ years.

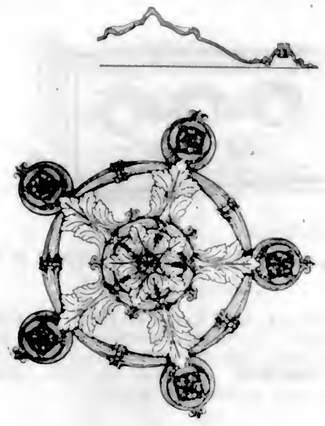


The ornamental design for a frame for lamp shades or similar articles substantially as shown and described.

70,087. DOOR FOR A VEHICLE SIGNAL LAMP. PAUL A. STOVER, Racine, Wis., assignor to The Stover Signal Engineering Co., Racine, Wis., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 14,501. Term of patent 3½ years.

The ornamental design for a door for a vehicle signal lamp substantially as shown.

70,088. CHANDELIER. MICHAEL UTTENDORFER and HENRI G. CUISINIER, Seattle, Wash. Filed Mar. 15, 1924. Serial No. 8,938. Term of patent 3½ years.



The ornamental design for a chandelier as shown.

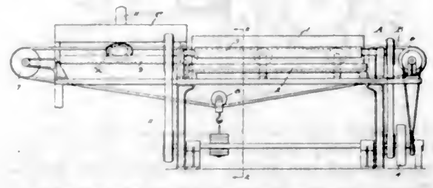
70,089. PLATE OR SIMILAR ARTICLE. HENRY J. WAIN, Wheeling, W. Va., assignor to Warwick China Company, Wheeling, W. Va., a Corporation. Filed May 14, 1925. Serial No. 13,438. Term of patent 7 years.

The ornamental design for a plate or similar article as shown.

PATENTS

GRANTED MAY 4, 1926.

1,582,886. APPARATUS FOR SPREADING LINING MATERIAL ON COVERS. CHARLES ALMY, Jr., Cambridge, Mass., assignor to Dewey & Almy Chemical Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1925. Serial No. 9,821. 10 Claims. (Cl. 118—82.)



1. An apparatus of the character described comprising in combination a depositor for depositing liquid lining material on a cover, and a pneumatic distributor for spreading the thus applied deposit of liquid material over a selected area of the cover.

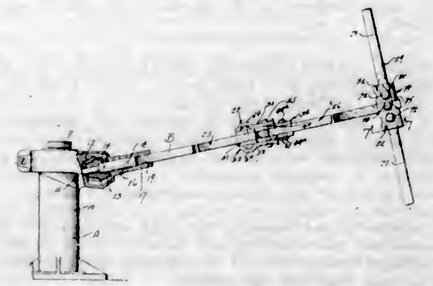
1,582,887. PROCESS OF FINISHING WOOD. THOMAS W. ANDERSON, Little Rock, Ark. Filed Jan. 15, 1925. Serial No. 2,690. 2 Claims. (Cl. 91—68.)

1. A process of finishing wood which comprises applying to the wood finely powdered aluminum silicate, applying to the wood linseed oil upon which the aluminum silicate has an oxidizing and catalyzing action, allowing most of the oil to evaporate, rubbing the remaining oil thoroughly into the wood, wiping off the surplus material only after the lapse of several hours, and polishing after drying.

1,582,888. WOOD-FINISHING MATERIAL. THOMAS W. ANDERSON, Little Rock, Ark. Original application filed Jan. 15, 1925, Serial No. 2,690. Divided and this application filed July 22, 1925. Serial No. 45,422. 1 Claim. (Cl. 134—24.)

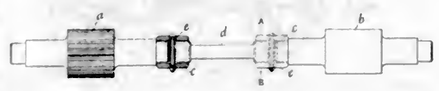
A wood finishing material produced by the oxidation and catalyzation of linseed oil by finely powdered aluminum silicate containing about 28% alumina, 1.4% titanium oxide and 4.8% iron sesquioxide.

1,582,889. AUTOMOBILE JACK HANDLE. JOSEPH ABRUSO, Milford, Mass. Filed Mar. 23, 1925. Serial No. 17,829. 9 Claims. (Cl. 74—33.)



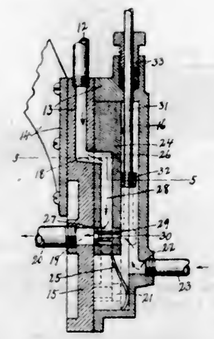
1. In a handle structure of the class described the combination of a pair of hingedly connected handle sections, means for maintaining said handle sections in collapsed or extended relation, hand engaging bars, and means collapsibly connecting said hand engaging bars at the free end of one of said handle sections so as to be moved in a plane at right angles to the plane of movement of said handle sections.

1,582,890. ROLLING-MILL AND LIKE COUPLING. JAMES PINK ASHLEY and LIONEL DIGBY WHITEHEAD, Newport, England. Filed Feb. 16, 1925. Serial No. 9,665. 2 Claims. (Cl. 64—91.)



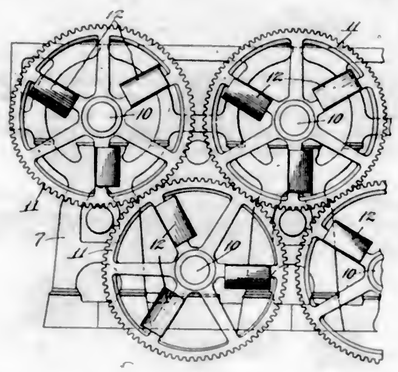
1. In rolling mill and like couplings, the combination with a coupling embracing a pair of parts to be connected, of an element removably arranged transversely through the coupling and insertable at a point externally of the coupling and positioned between the adjacent ends of the parts within the coupling for preventing endwise displacement of the coupling and for preventing excessive longitudinal movement of the parts connected by the coupling, substantially as described.

1,582,891. GARMENT-PRESSING MACHINE. FRANK E. BAKER, Syracuse, N. Y., assignor to Chapin-Skelton Corporation, Syracuse, N. Y., a Corporation of New York. Filed Dec. 8, 1924. Serial No. 754,630. 3 Claims. (Cl. 68—9.)



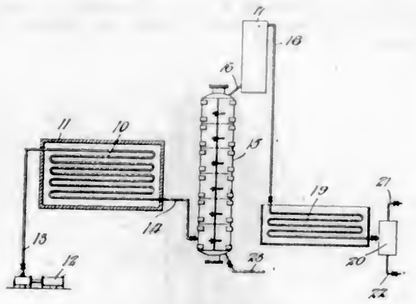
1. In a garment pressing machine, a valve chamber having a steam inlet and separate ports, one of said ports being an exhaust port, the other port admitting steam to and receiving steam and moisture from the garment, and a valve adjustable to one position for closing the exhaust port and opening the other port to permit the passage of steam to the garment, and to another position for connecting both ports, said valve having means for admitting steam from the valve chamber through the exhaust port when the valve is in the second named position.

1,582,892. FAN FOR PAPER DRIERS. WARREN E. BEADLE, Wisconsin Rapids, Wis., assignor to Beloit Iron Works, a Corporation of Wisconsin. Filed May 19, 1924. Serial No. 714,229. 9 Claims. (Cl. 34—48.)



7. In a paper making machine, rolls journaled transversely of the machine, driving gears fixed to the shafts of said rolls, and fan elements carried by said gears adapted to exhaust the air between said rolls.

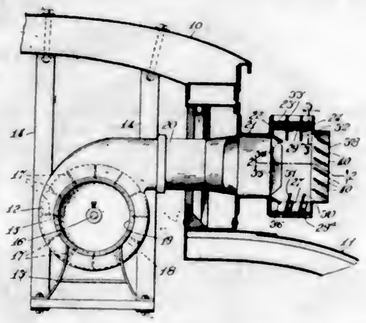
1,582,893. APPARATUS FOR TREATING HYDROCARBON OILS. OTTO BEHIMER, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Feb. 15, 1924. Serial No. 692,974. 3 Claims. (Cl. 196—119.)



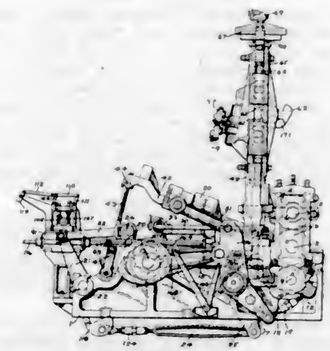
1. In apparatus for treating hydrocarbon oils, a vessel provided with internal heating means and a hinged jacket formed of heat insulating material.

1,582,894. VENTILATOR. GEORGE W. BENDER, Chicago, Ill., assignor to Mudge & Company, Chicago, Ill., a Corporation of Illinois. Original application filed Sept. 4, 1920, Serial No. 408,219. Divided and this application filed May 18, 1923. Serial No. 639,725. 3 Claims. (Cl. 98—22.)

1. A hollow substantially rectangular box-like ventilator for railway cars having an air inlet passage in one face, the opposite face being substantially open, a plurality of spaced slanting plates extending across said open face, air ramming faces disposed transversely to the direction of movement of the car, there being exhaust passages in the remaining two faces of the ventilator, and spaced oppositely inclined plates in each of the exhaust passages disposed transversely to the air current deflected over said passages, the outer edges of said plates being arranged substantially in the planes passing through the opposite edges of the air ramming faces.



1,582,895. SPIKE MACHINE. LAURENCE J. BERKELEY, Youngstown, Ohio. Filed Sept. 8, 1922. Serial No. 587,008. 31 Claims. (Cl. 10—57.)

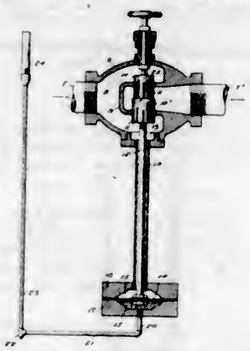


1. In a spike machine, the combination with a reciprocating carriage and a pair of nipper levers pivotally mounted on said carriage, of a cylinder mounted on said carriage, opposing pistons in said cylinder operatively connected to said levers, and means for supplying fluid under pressure to the chamber intermediate said pistons.

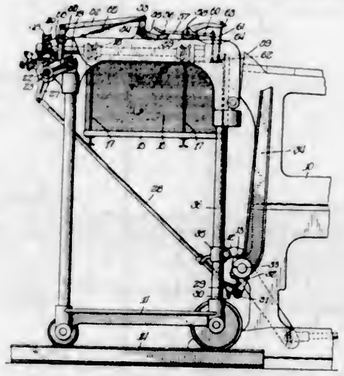
1,582,896. FLUID-PRESSURE REGULATION. JOEL H. BERRY, Norfolk, Va. Filed Jan. 31, 1923. Serial No. 616,163. 5 Claims. (Cl. 50—21.)

1. The combination with a chamber for containing fluid under a predetermined normal pressure and a balanced cylindrical valve member having in its periphery a plurality of channels terminated at varying distances from one end of said cylinder controlling the passage of fluid from the chamber and having an axial extension, of a mercury column arranged for rising and falling in a conduit and for balancing said pressure, and a flexible diaphragm directly attached to said axial extension separating said fluid from the mercury.

4. The combination with a conduit for fluid under pressure, of a valve interposed therein and having in one end of its casing a chamber into which one part of the conduit opens and in the other end a cup primarily closed inwardly projecting into said chamber and outwardly in open communication with the other portion of the conduit, a transverse valve member fitting and slidable in a way through the cup and having in its periphery an upper and lower series of deep radially open channels terminating at varying distances from one end of said valve member leading from said chamber into the cup, and means whereby change in pressure in the chamber varies the effectively exposed portions of said channels.



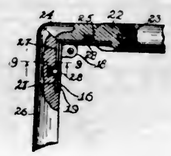
1,582,897. PRINTING-PRESS FEED-CONTROL MECHANISM. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,760. 7 Claims. (Cl. 271—62.)



1. In a printing press, the combination of a main frame, an actuating member carried thereby, a feeder pile frame movable toward and away from said main frame, a pile support movably mounted therein, and means for giving the pile support a feeding movement in accordance with the feeding conditions and including a reciprocatory member carried by said feed pile frame and having an automatically separable butt connection with said actuating member.

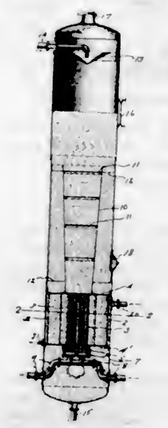
1,582,898. HINGE AND THE HINGEDLY CONNECTING OF TEMPLES TO FRAMES OF SPECTACLES. JACOB BOBROW, Brooklyn, N. Y. Filed July 27, 1925. Serial No. 46,300. 3 Claims. (Cl. 88—53.)

1. The hingedly connecting of temples to the frame of spectacles, consisting in arranging recesses of T shape in cross section in one face of the temples and extending inward from the butt end and in a face of the frame extending inward from the lateral marginal portion thereof, providing hinge members arranged with a leaf and perforated knuckles extending at a right angle to each other, the leaf having a cross sectional form to correspond with the cross sectional shape of the recesses,



interengaging the knuckles of the hinge members and engaging a pintle in the perforations of the interengaged knuckles, and then connecting the temples to the frame by engaging the leaf of one hinge member in the recess in the temples and engaging the leaf of the other hinge member in the frame recess.

1,582,899. APPARATUS FOR TREATING OILS. PERRY CASSIDY, Riverside, Conn., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Nov. 21, 1922. Serial No. 602,461. 11 Claims. (Cl. 87—12.)

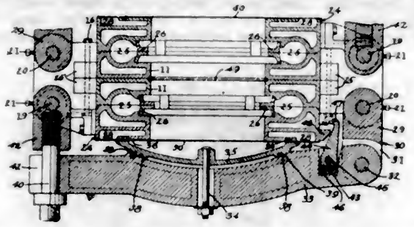


3. An apparatus for treating oils comprising a container for the oil, heads spaced apart and dividing the container into compartments, tubes extending through the space between the heads and connecting the compartments at either end thereof, nozzles placed near the ends of some of said tubes so as to induce a flow of oil through the tubes when steam or a gas is injected through the nozzles, and means for supplying steam or a gas to said nozzles.

1,582,900. VULCANIZER. LEGER S. CASTONGUAY, Akron, Ohio, assignor to The Williams Foundry and Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 30, 1925. Serial No. 65,780. 11 Claims. (Cl. 18—38.)

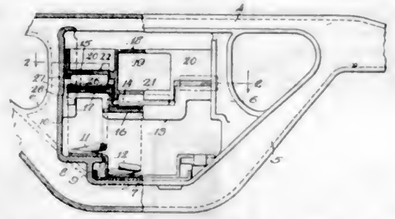
1. A watch case vulcanizer comprising a pivotally supported movable mold section; and mechanism for holding said movable section in position against a cooperating mold section comprising, a spider having its outer engaging surface arranged to bear against said movable

section, and a member pivotally supported for movement about an axis parallel to the pivot supporting said movable section, and arranged to engage said spider over co-



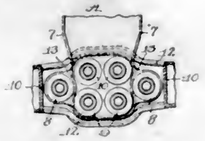
operating surfaces on said spider and said member formed to permit relative movement of said spider and said member about an axis also parallel to said pivot.

1,582,901. RAILWAY TRUCK. GEORGE S. CHILES, Chicago, Ill., assignor to Dalman, Chiles Company, a Corporation of Delaware. Filed Jan. 12, 1923. Serial No. 612,309. 15 Claims. (Cl. 105—186.)



1. In a railway truck, a side-frame, a bolster, rollers interposed between said side-frame and bolster, said bolster being provided with surfaces at different levels bearing upon said rollers.

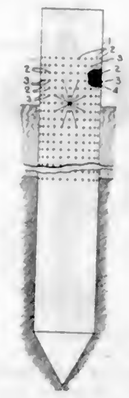
1,582,902. RAILWAY-CAR TRUCK. GEORGE S. CHILES, Chicago, Ill., assignor to Dalman, Chiles Company, a Corporation of Delaware. Original application filed May 15, 1922, Serial No. 561,132, now patent No. 1,493,961, dated May 13, 1924. Divided and this application filed Apr. 23, 1924. Serial No. 708,359. 3 Claims. (Cl. 105—197.)



1. In a railway car truck, side frames each comprising a compression member, a tension member, columns and a spring seat between said columns, said spring seat having a central section and outer sections at a higher level than said central section, and a spring plank having at each end a central section and outer sections at a higher level than the central section said central and outer sections of said spring plank being supported on said central and outer sections of said spring seat.

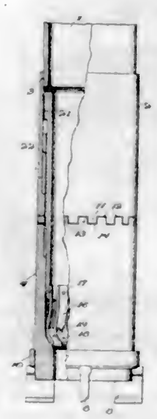
1,582,903. METHOD OF PRESERVING WOODEN MARINE STRUCTURES. WILLIAM F. CLAPP, Cambridge, Mass. Filed Aug. 1, 1924. Serial No. 729,491. 6 Claims. (Cl. 204—1.)

1. The method of preserving wooden marine structures which comprises impregnating the entire surface stratum of the structure, which is subject to submergence and saturation by saline solution, with a metallic compound or compounds having properties resistant to the attack of destructive marine organisms, produced and distributed by electro-chemical reaction induced in said saturated



surface by the presence of a plurality of metallic members of different electro-motive force located in proximity to each other and distributed throughout the area which is subject to submergence.

1,582,904. DRILL OR CORING TOOL. THURMAN MAX CONREY, Wichita Falls, Tex. Filed Apr. 23, 1925. Serial No. 25,391. 5 Claims. (Cl. 255—72.)



1. In a tool of the character described, a tubular cutter head, a driving member, means whereby the cutter head may be actuated from the driving member or disconnected therefrom, normally inactive core-holding means for positively moving said core-holding means to core-holding position when the driving member is disconnected from the cutter head and rotated.

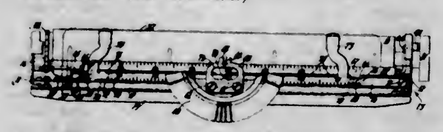
1,582,905. STEEL FORM. ALEXANDER P. CRARY, New York, N. Y. Filed Oct. 5, 1921. Serial No. 505,561. 7 Claims. (Cl. 25—131.)

1. A concrete form panel comprising a plurality of plates, each of which includes a frame member provided

with openings, the openings of one frame member being uniformly spaced with respect to each other and having a different spacing to those of the adjacent frame mem-

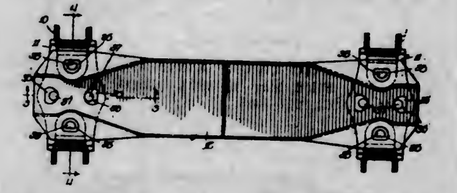
bers of the adjacent plate, a plurality of the openings of one frame member being in registration with a plurality of the openings of the adjacent frame member.

1,582,906. TYPEWRITING MACHINE. WILLIAM A. DONSON, Bridgeport, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 23, 1923. Serial No. 614,399. 14 Claims. (Cl. 197—194.)



1. In a front-strike typewriting machine, type-bars, a type-segment to which the bars are pivoted, a type-guide for the bars at the printing point, a platen, a platen-carriage, a letter-space-scale on the carriage behind the type-guide, close to the surface of the platen, marginal paper-fingers secured to the carriage below the scale, projecting upward across the same for engagement with the platen above the printing line, and a second scale set over the fingers and behind the type-guide, below the first scale, and having the graduations thereon visible at the printing point below the type-guide.

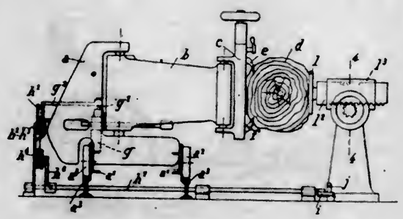
1,582,907. TRUCK CONSTRUCTION. HARRY C. DREIBUSS, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a Corporation of Missouri. Filed Apr. 25, 1925. Serial No. 25,762. 9 Claims. (Cl. 105—208.)



1. In a railway car truck, the combination of a side frame having a seat for the reception of a spring plank, a plurality of spaced non-circular spring plank dowels on said seat whereby the end dowel may be spaced a greater distance from the end of the spring plank to resist tearing that portion of the spring plank and whereby the side bearing area of said dowels is increased for a given horizontal cross-sectional area of said dowels, and a spring plank resting upon said seat and having openings for the reception of said dowels.

1,582,908. LOG-SAWING MACHINE. ALBERT DROUET, Courtenay, France, assignor to Société Anonyme Marcol, Moulins T/Allier, France, a Corporation of France. Filed Sept. 29, 1924. Serial No. 740,673. 8 Claims. (Cl. 143—114.)

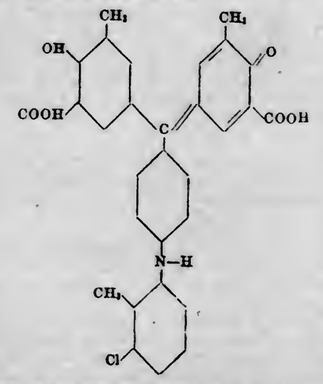
1. A wood sawing machine, comprising, a carriage, a work-table, pivoted parallel arms upon said carriage mounting the work-table to allow it to freely displace itself by inertia, a saw blade arranged parallel to the direction of displacement of the carriage, a gripping device securely holding the piece of wood to be sawn, means



for locking the work-table in any desired angular position, and means for adjusting the thickness of the saw-cut.

1,582,909. TRIPHENYLMETHANE DYE. WALTER DUISBERG, WINFRIED HENTRICH and WILHELM SCHEPSS, Wiesdorf-on-the-Rhine, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed June 30, 1924. Serial No. 723,349. 2 Claims. (Cl. 260—65.)

2. The herein described new dyestuffs having most probably the following formula:

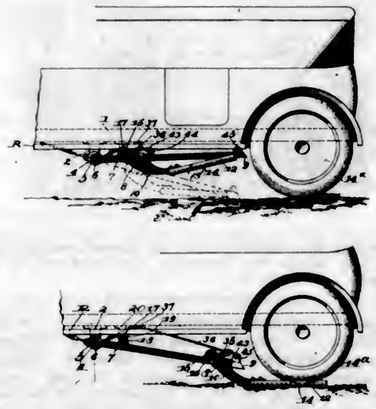


being after drying and pulverizing, a dark powder soluble in a dilute solution of sodium carbonate with a bluish-red and in alcohol with a reddish-blue coloration; dyeing wool a bluish-red turning into a pure red-violet by after-chroming, substantially as described.

1,582,910. MUD GUN. EDWIN W. DUNCAN, Woodward, Ala. Filed May 25, 1925. Serial No. 32,861. 4 Claims. (Cl. 266—42.)

1. In a mud gun having at an intermediate point in its barrel a charging opening for mud, a reciprocable plunger adapted to seal said charging opening, and a by-pass opening on opposite sides of said charging opening through which mud responsive to a movement of the plunger away from the discharge end of the gun is adapted to be moved into position in front of the plunger, as and for the purposes described.

1,582,911. EMERGENCY BRAKE AND SAFETY LOCK COMBINED. FRED ANTHONY EICHORN, Chattanooga, Tenn. Filed Nov. 22, 1923. Serial No. 676,390. 8 Claims. (Cl. 188—4.)



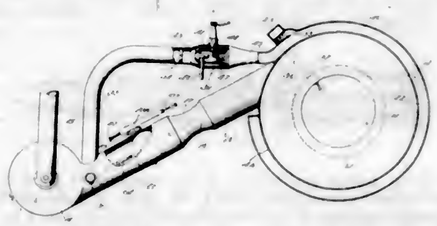
1. In combination with the chassis and rear wheel of a motor vehicle, a brake rod hung on the chassis, a brake head slidable on the rod, a brake shoe carried by the head, means including a plunger carried by the chassis to engage the head and hold the foregoing parts elevated, and means to displace the holding means permitting the rod to drop until the shoe engages the ground, the resulting frictional engagement sliding the head back until said wheel rides up on the shoe.

1,582,912. ALCOHOLIC PREPARATION FOR TOPICAL USE. CARLETON ELLIS, Montclair, N. J., assignor, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed May 22, 1919. Serial No. 298,843. 4 Claims. (Cl. 167—9.)

1. In products intended for application to the skin or clothing, an alcoholic preparation comprising purified isopropyl alcohol derived from propylene, and free from empyreumatic oils.

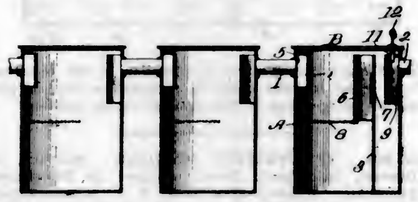
4. In products intended for application to the skin or to clothing, an alcoholic preparation comprising a perfume oil incorporated with a purified and deodorized isopropyl alcohol containing no more than five percent of water and free from empyreumatic oil and also substantially free from alcoholic hydrates.

1,582,913. BURNER SYSTEM AND CONTROL THEREFOR. WILLIAM B. EWING, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,490. 7 Claims. (Cl. 158—29.)



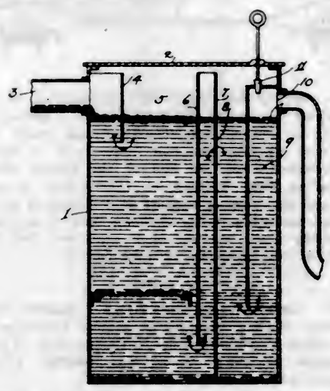
1. A burner system for liquid fuel comprising a main burner, a cylindrical vaporizer positioned above said main burner, an annular heating flue extending partially around the circumference of said vaporizer and thence downwardly, and means forming a flue space beneath the vaporizer and an outlet passage adjacent the burner, said flue space being adapted to receive the hot gases from said flue.

1,582,914. SEPTIC TANK. ERNST W. FARLEY, Richmond, Va. Filed July 28, 1922. Serial No. 578,106. 9 Claims. (Cl. 210—6.)



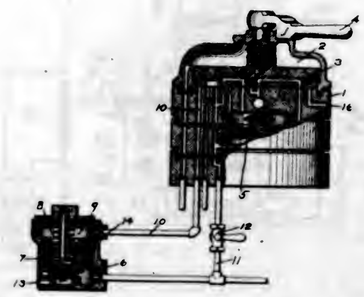
1. A septic tank having an inlet opening and an outlet opening; a still-chamber adjacent the inlet opening; a baffle so arranged within the inlet opening as to cause entering liquid and solid matter to enter beneath the surface of the liquid in the still-chamber and also so as to allow entering gases to pass over it and over the surface of the liquid in the still-chamber; a shelf disposed below the inlet opening to receive solid matter in suspension in the liquid on the upper surface thereof, said shelf being arranged above the level of the bottom of the still chamber; a second still chamber adjacent the outlet opening and separated from the first still-chamber by a partition wall, the said partition wall having an opening at its upper end to allow the passage of gases and to equalize the gas pressure in the two still-chambers, and the said partition wall having in its surface an opening to form a communication between the two still-chambers, the said opening being below the surface of liquid in the still-chambers, and below the outlet opening from the tank; a baffle-plate disposed before the opening in the partition wall and arranged so as to form a third still-chamber within the tank to prevent movement in the liquid being imparted through the opening in the partition wall to the surface of the liquid in the tank and arranged to allow an equalization of the gas pressures in the three still-chambers.

1,582,915. SEPTIC TANK. ERNST W. FARLEY, Richmond, Va. Filed May 1, 1923. Serial No. 635,854. 2 Claims. (Cl. 210—6.)



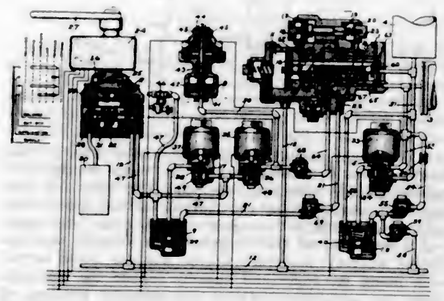
1. A septic tank formed of an alloy consisting of copper and steel.

1,582,916. BRAKE-PIPE-VENTING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 24, 1924. Serial No. 722,019. 2 Claims. (Cl. 303—82.)



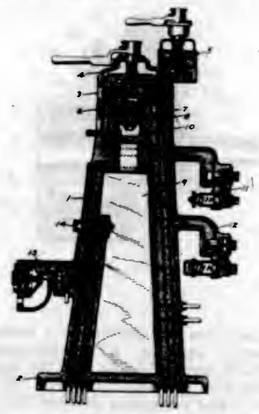
1. In a fluid pressure brake, the combination with a brake pipe and a brake valve device having an emergency application position, of a valve device including a piston subject on one side to brake pipe pressure and on the other side to pressure supplied from the brake pipe through a restricted port and means operated upon movement of the brake valve device to emergency position for venting fluid from one side of said piston to operate same and open a vent port to the brake pipe.

1,582,917. FLUID-PRESSURE BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., and JOSEPH C. MCCUNE, Orange, N. J., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 30, 1924. Serial No. 723,113. 13 Claims. (Cl. 303—15.)



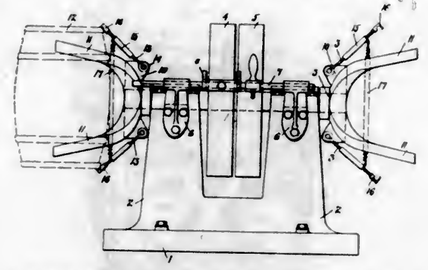
1. In an electro-pneumatic brake, the combination with an application magnet in one circuit for controlling the application of the brakes, of a release magnet in another circuit for controlling the release of the brakes and for controlling the circuit of said application magnet.

1,582,918. BRAKE-VALVE PEDESTAL. CLYDE C. FARMER, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 27, 1925. Serial No. 33,153. 5 Claims. (Cl. 303—90.)



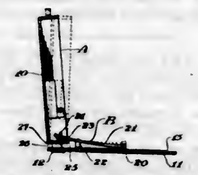
1. The combination with a brake valve device, of a pedestal mounted on the floor of the vehicle and on which said brake valve device is mounted and having passages connected to said brake valve device and pipes connected to said passages.

1,582,919. BARREL-ROTATING DEVICE. CHARLES E. FARRINGTON, Philadelphia, Pa. Filed Oct. 14, 1922. Serial No. 594,561. 5 Claims. (Cl. 141—6.)



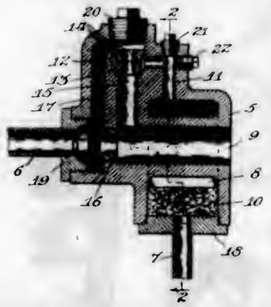
1. Means for holding a barrel comprising a fork arranged to straddle the barrel, links attached at one end to said fork and engaging the chimes of the barrel, and means for resiliently urging said links toward each other to hold the barrel firmly within said fork.

1,582,920. SHOW-CARD-STENCILING DEVICE. HOWARD L. FISCHER, St. Paul, Minn., assignor to Agnes Hickey, St. Paul, Minn. Filed Feb. 15, 1926. Serial No. 88,408. 7 Claims. (Cl. 101—126.)



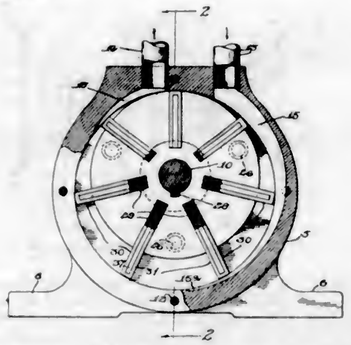
6. A stenciling device comprising, a work table, a cabinet, a clamping member, and means for operating said clamping member by the movement of said cabinet.

1,582,921. VAPORIZING BLUE-FLAME BURNER. CHARLES A. FRENCH, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 8, 1922. Serial No. 566,711. 4 Claims. (Cl. 158—53.)



4. In a burner, the combination of a casing having a main combustion chamber, a precombustion chamber and an air nozzle communicating with the main chamber, said air nozzle also communicating with the precombustion chamber, a fuel vaporizing chamber surrounding the combustion chamber, a nozzle discharging into the precombustion chamber from the vaporizing chamber, the air from the air nozzle, passing through the main combustion chamber in a manner to draw a burning mixture from the precombustion chamber by aspiration into the main chamber.

1,582,922. ROTARY PUMP. JOSEPH FREUD, Chicago, Ill. Filed Aug. 8, 1921. Serial No. 490,550. 7 Claims. (Cl. 230—30.)

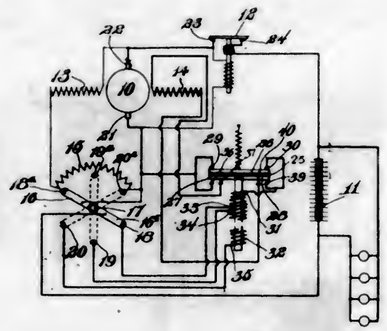


1. In a rotary pump, the combination of a casing having a cylinder therein, a shaft, and a rotor provided with a radially slidable vane comprising a member which has its outer edge engaging and controlled by the cylinder, and an end member movable to engage a cylinder end, said members being provided with coacting surfaces between them by which centrifugal force will shift the end member longitudinally against the cylinder end.

1,582,923. ART OF REMOVING WAX FROM OIL. HARRY F. GLAIR and OSCAR E. BRANSKY, Whiting, Ind., assignors to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed July 7, 1922. Serial No. 573,473. 4 Claims. (Cl. 196—18.)

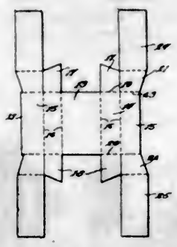
1. The method of separating wax from lighter wax-bearing, substantially uncracked oil distillates which consists in admixing therewith a hydrocarbon oil of lower viscosity and heavier than burning oil, chilling and filter-pressing the mixture.

1,582,924. STORAGE-BATTERY SYSTEM FOR VEHICLES. DANIEL JACK GORE, Mount Pleasant, N. C. Filed Dec. 2, 1924. Serial No. 753,501. 3 Claims. (Cl. 171—314.)



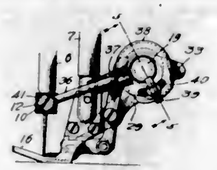
1. A storage battery charging system including a generator having shunt and series fields, the series field being normally out of circuit, means for automatically placing the series field in circuit operated by the generator circuit and selectively variable to determine the generator output with which it operates, and means for controlling the excitation of the shunt field and a common operating member for both of said means simultaneously decreasing the excitation of the shunt field and the generator output at which the first named means is operable to place the series field in circuit.

1,582,925. CIGARETTE CONTAINER. GEORGE H. GROSS, Topeka, Kans. Filed Oct. 17, 1924. Serial No. 744,240. 1 Claim. (Cl. 229—44.)



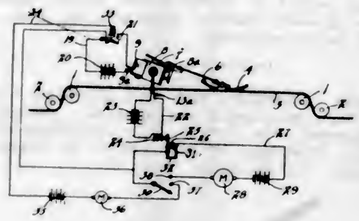
A container, comprising in combination with a commodity to be contained therein, an inner wrapper for the commodity completely enclosing the same and having front wall portions the margins of which are overlapped and initially connected to each other, the upper and lower ends of the wrapper being formed with incisions whereby to permit of the wrapper being spread open along its front and thereby expose the contents, when the connection between the marginal portions of the front wall sections of the wrapper is broken, and an outer container comprising a back wall, side walls, and front wall sections integral with the side walls and meeting at their free edges, the container having upper and lower closed ends each comprising overlapping portions extending over and closing the said incisions of the inner wrapper, the container being adapted to be spread open at its front by flexure of the mid portion of its back wall.

1,582,926. FEEDING MECHANISM FOR SEWING MACHINES. HORACE F. GRUMAN, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Oct. 21, 1924. Serial No. 744,917. 1 Claim. (Cl. 112—212.)



In a sewing machine top feeding mechanism, the combination of a presser-bar, a vertically reciprocatory needle bar located in front of said presser-bar, a needle clamp carried by said needle bar and having a laterally extending stud, a top feed dog, a frame carried by said presser-bar and located in rear of said needle bar, a cam journalled on said frame, means operated by said cam for imparting feeding movements to said feed dog, and means for oscillating said cam consisting of a telescopic actuating lever having its longitudinal axis disposed parallel to the line of feed and comprising a rod and a socket arm, the rod having its outer end fixedly journalled on the stud of the needle clamp and the socket arm being positively connected to said cam.

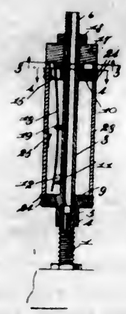
1,582,927. AUTOMATIC BREAK-WEB SWITCH. CHARLES J. V. HENTSCHELL and WILLIAM HALL, Minneapolis, Minn. Filed Jan. 4, 1924. Serial No. 684,321. 11 Claims. (Cl. 192—127.)



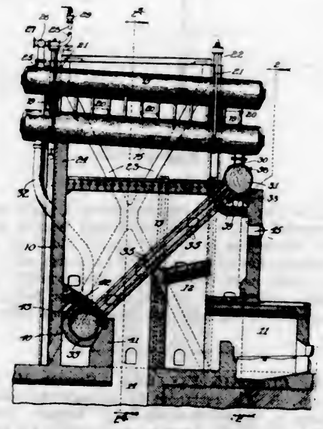
1. In combination with a machine having a web of sheet material travelling therein and a motor driving said machine, a movable member contacting said web adapted to shift its position when the web breaks, a circuit breaker in the motor circuit, a circuit for operating said circuit breaker and a switch operated by said movable member in shifting its position when said web is broken, whereby the last mentioned circuit is closed and the motor circuit opened by said circuit breaker so that the machine is stopped, and electrically operated means for moving and holding said shoe out of the pinne of the web after it has shifted its position.

1,582,928. AIR-RELEASING DEVICE. DANIEL HARMON HOAG, Nemadji, Minn. Filed Mar. 5, 1924. Serial No. 697,094. 2 Claims. (Cl. 137—53.)

1. A device of the character described comprising a tubular body attachable at one end to a source of pressure and at its opposite end to the inlet of a pneumatic body, said tubular body having a lateral port, said lateral port being enlarged at its outer end, a ball valve adapted to engage with the enlarged end portion of said port and to then close the latter, a spring lever fulcrumed on said tubular body intermediate its length and having one end portion thereof pressed against said ball valve and tending to hold the ball valve in closed position, and a rotatable cam carried by said tubular body in engagement with the other end portion of the spring lever for adjusting the tension on the latter.



1,582,929. PRESSURE OIL STILL. ROBERT E. HUMPHREYS, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed Jan. 7, 1921. Serial No. 435,700. 18 Claims. (Cl. 196—109.)

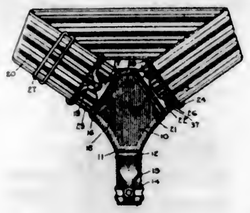


8. In a still for cracking oil, a heating chamber having a furnace connected thereto, an upper and lower drum located outside said heating chamber and furnace, tubes connecting the drum and passing through the heating chamber, storage drums above and outside said heating chamber, and connections between said storage drums and said upper and lower drum, located outside said chamber.

1,582,930. GARTER. HARRY E. INK, East Orange, N. J. Filed May 11, 1925. Serial No. 29,293. 3 Claims. (Cl. 241—6.)

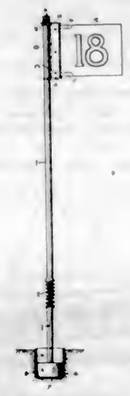
1. In a garter or like article, the combination of a pad member, a band member, single pivotal means for

securing one end of said band member to said pad member adjacent to one side of said pad member and mul-



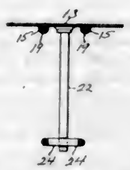
tiple point connecting and disconnecting means for the opposite end of said band member disposed adjacent to an opposite side of said pad member.

1,582,931. FLAG POST FOR GOLF HOLES. DAVID KENNEDY, Barrow-in-Furness, England. Filed Jan. 19, 1925. Serial No. 3,386. 1 Claim. (Cl. 116—173.)



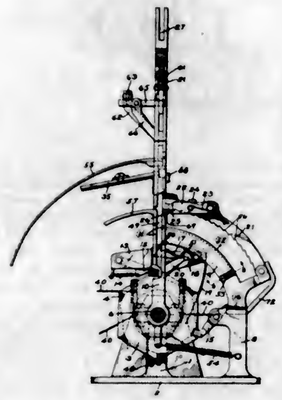
A flag-post for golf holes comprising a shaft having a lower threaded end, a taper cup-shaped member having a boss into which the lower end of the shaft is screwed, and a tubular anchoring member provided with ribs on its inner side, said ribs having downwardly tapering inner sides, said taper cup-shaped member being detachably fitted in the said tubular member and held by said ribs.

1,582,932. CURTAIN FIXTURE. GEORGE M. KENNEY, Cranston, R. I., assignor to Kenney Manufacturing Company, a Corporation of Rhode Island. Filed Dec. 21, 1925. Serial No. 76,615. 5 Claims. (Cl. 156—19.)



4. In a curtain rod bracket, a base plate, hinge sleeves on the sides of the plate, attaching plates, hinge sleeves on the attaching plates, pintles embraced by the sleeves upon the base plate and attaching plates, a horizontal post on the base plate at right angles to the base plate, oppositely disposed arms carried by the post, a vertical finger upon the arms, said arms and finger being disposed in a plane parallel with the plane of the base plate.

1,582,933. COIN-CONTROLLED MACHINE. FRANK F. KING, Wilkinsburg, Pa. Filed May 17, 1924. Serial No. 713,974. 7 Claims. (Cl. 194—63.)



1. In a check controlled machine, the combination with a rotatable shaft for operating the machine, of a locking device for preventing rotation of said shaft, means controlled by a check for releasing said locking device; a manually rotatable shaft for operating the first shaft, an impositive driving connection between said shafts, and a spring for yieldingly holding said connection in driving position to thereby permit rotative movement of the manually operated shaft with the other shaft locked against movement.

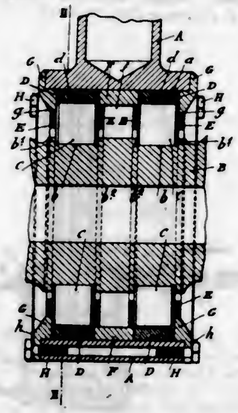
1,582,934. COMBINED MOP AND WRINGER. HENRY W. LAMB, Birmingham, Ala., assignor to Century Mop Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1923. Serial No. 628,699. 4 Claims. (Cl. 15—120.)

1. A combined mop and wringer comprising a handle having its outer end threaded, a wide flattened loop having a socket adapted to screw onto the threaded end of said handle, a sleeve freely slidable over and rotatable around the handle and socket and having rigid thereon a second wide flattened loop, said loops being juxtaposed in parallel relation when the sleeve overlaps said socket, means to hold the loops against relative rotation when in mopping position, and a flat mop cloth connected at its ends to said loops.

1,582,935. BEARING. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company. Filed Sept. 19, 1923. Serial No. 663,660. 8 Claims. (Cl. 308—179.)

1. In a roller bearing, the combination of a crank shaft provided with a pair of inner roller races, a connecting rod the big end of which encircles said inner races, a pair of rings in said big end providing outer roller races, cages between said races, rollers in said

cages, a spacing ring between said race rings and engaging the peripheral surfaces of the cages at the inner ends thereof, a pair of retaining devices for the race

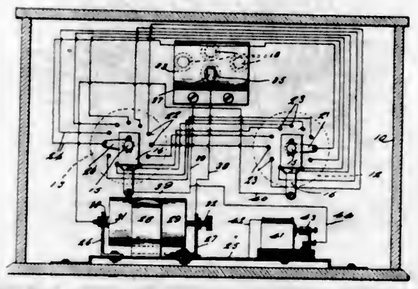


rings engaging the peripheral surfaces of said cages at the outer ends thereof, and means securing said retaining devices in engagement with the race rings and the big end of said connecting rod.

1,582,936. CORING TOOL. FRANK ELMER SHRIVER, Badarpur Ghat, India. Filed Sept. 15, 1924. Serial No. 737,873. 2 Claims. (Cl. 255—72.)

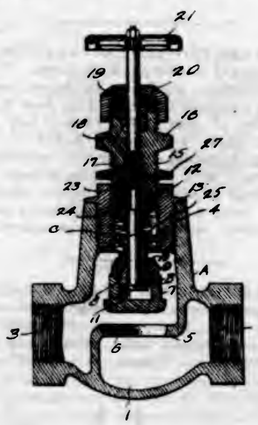
1. A coring tool for use in obtaining samples of formations and comprising an outer barrel consisting of a section of pipe, a sub coupled to the upper end of the section of pipe and having a plug supported therein in spaced relation to the inner wall thereof, an inner barrel arranged within the outer barrel in concentric spaced relation with respect thereto and having its upper end connected to and closed by said plug, a coupling connected to the lower end of the section of pipe and having means for supporting the lower end of the inner barrel, a cutting head carried by the lower end of said coupling, the cutting head and the coupling having openings alined with each other and with the opening of the inner barrel to define a core collecting chamber, said coupling and said cutting head having passages extending therethrough and communicating with the space between the inner and outer barrels to provide for the circulation of fluid, slips carried by the coupling for retaining the core in the core collecting chamber, and pins slidably mounted on the cutting head and engaged with the slips, the forward ends of the pins projecting beyond the cutter head to automatically retract the slips during the cutting operation.

1,582,937. RADIO QUESTIONER AMUSEMENT APPARATUS. ALBERT A. SILVERMAN and DANIEL SILVERMAN, Asheville, N. C. Filed Apr. 4, 1925. Serial No. 20,774. 5 Claims. (Cl. 273—161.)



1. In an apparatus of the character described, a plurality of interrupted circuits all connected with a common source of current and with a common indicator, means for closing a selected circuit at one of the interruptions therein, means indicating which circuit has had an interruption therein bridged, means for closing or bridging the other interruption in the selected circuit, and indicating means at last named means.

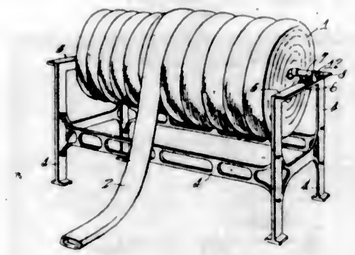
1,582,938. VALVE. HENRY M. SMITH, Wilson, N. C. Filed Sept. 12, 1923. Serial No. 662,288. 1 Claim. (Cl. 251—3.)



A valve comprising a casing having a threaded opening and a valve, a bonnet threaded into the opening, a sleeve threaded into the bonnet for adjustment toward and away from the valve, a valve stem extending through and having threaded engagement with the sleeve, a packing means upon the outer end of the sleeve surrounding the valve stem, a head on the inner end of the stem, a sliding sleeve mounted upon the valve stem limited in its downward movement thereon by said head, a hollow valve head threaded upon said sliding sleeve

housing the first mentioned head, the facing ends of the first mentioned sleeve and the sliding sleeve being provided with grooves, and a compressing spring coiled about the valve stem having its terminals fitted within said grooves normally holding the valve head upon its seat.

1,582,939. ROLL-UNWINDING STAND. MAURICE JOSEPH STACK, Cohoes, N. Y. Filed Mar. 16, 1925. Serial No. 16,081. 1 Claim. (Cl. 242—85.)

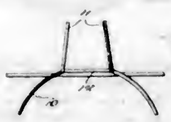


A roll unwinding stand adapted to support a roll to be unwound comprising a supporting frame, a bracket supported at each end of said frame, anti-friction rollers carried by each bracket, a supporting core rod insertable through the center of a roll and adapted to have its end project therefrom to provide trunnions for having anti-friction bearing upon said anti-friction rollers, a pair of the said rollers being positioned closely adjacent each other in each bracket so as to provide a core rod receiving crotch therebetween, the said rod having a ferrule at each end thereof adapted to engage said brackets for preventing longitudinal displacement of said rod, the said brackets each having an upwardly extended finger projected in the direction in which the material is to be paid-off the roll and adapted to prevent displacement of the core rod in that direction.

1,582,940. SILVER-PROTEIN PREPARATION. LUDWIG TAUB, HERMANN JANSSEN, and GEORG WESENBERG, Elberfeld, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed July 11, 1922. Serial No. 574,266. 4 Claims. (Cl. 167—7.)

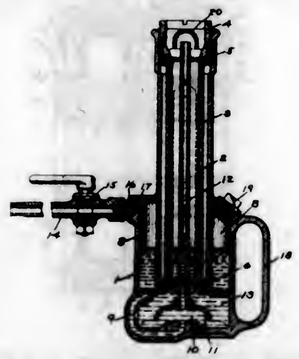
2. The herein described silver protein preparation, comprising a mixture of a soluble silver protein compound with borax, being a solid stable product quickly soluble in water and being a valuable prophylactic and remedy against gonorrhea, substantially as described.

1,582,941. DIE FOR SHOE SOLES. WILLIAM HEDGES TAYLOR, Upper Darby, Pa., assignor of one-half to Mrs. A. R. King, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 12, 1925. Serial No. 49,790. 3 Claims. (Cl. 12—17.)



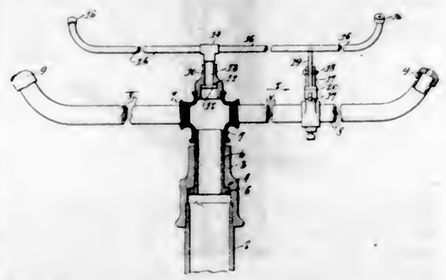
1. A die for fitting heels to shoes, including an arc-shaped blade of the curvature of the heel breast, said arced portion being interrupted by a non-cutting portion, and two straight blades extending backwardly from the arc-shaped portion at each end of the non-cutting portion.

1,582,942. PRESSURE GAUGE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 16, 1922. Serial No. 594,741. 2 Claims. (Cl. 73—31.)



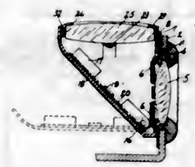
1. In a testing device, the combination with a casing having a chamber containing liquid adapted to be subjected to fluid under pressure, of a liquid level viewing tube communicating with a second chamber in the casing and a vent tube arranged in said viewing tube, the two chambers being connected by a passageway having its outlet opening to the second chamber directly below the inlet of said vent tube.

1,582,943. WATER SPRINKLER. WILLIAM CHARLES TODD and JAMES WILLIAM POMEROY, Victoria, British Columbia, Canada. Filed Nov. 3, 1925. Serial No. 66,570. 5 Claims. (Cl. 299—70.)



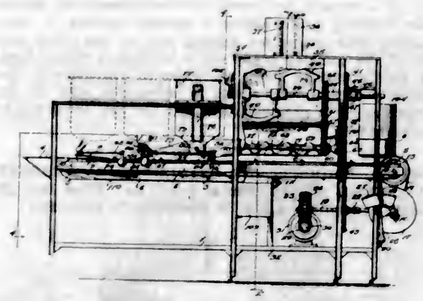
1. A water sprinkler of the class described, comprising in combination an upright pipe to which a supply of water under pressure is delivered, a hollow stem rotatably mounted in the upper end of the pipe from which stem a tubular arm laterally projects with a nozzle directed outward and upward from it to constitute the main sprinkler, a second hollow stem rotatably mounted in the upper end of the first named stem from which second stem the arms of a reaction operating sprinkler project, and a yielding projection secured to one of the sprinklers to engage an adjacent part of the other sprinkler whereby the rotation of the reaction sprinkler will move the main sprinkler through a fraction of its rotation on each engagement.

1,582,944. FINDER. JAMES W. TURK, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed May 23, 1925. Serial No. 32,412. 3 Claims. (Cl. 88—1.5.)



1. A finder comprising a body, means on said body for supporting a lens mounted therein, a flanged diaphragm cap fitting over the upper edges of said body and said lens, one edge of said cap having a centrally downwardly extending finger engaging the adjacent edge of said lens.

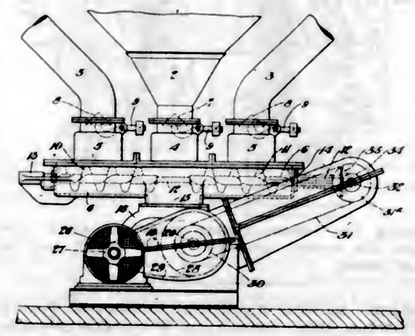
1,582,945. PIE-MAKING MACHINE. WILLIAM A. VAN LUVEN, Rapid City, S. Dak. Filed May 3, 1923, Serial No. 636,501. Renewed Feb. 15, 1926. 18 Claims. (Cl. 107—1.)



1. A pie-making machine comprising a belt for carrying pans successively to a filling point, means for delivering upper and lower sheets of dough upon the pans, means for delivering a measured quantity of filler between the sheets of dough, and brackets on the belt between the pans to actuate the filler-delivering means.

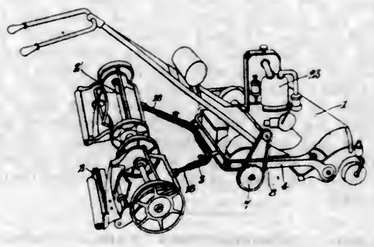
15. In a pie-making machine, means for maintaining a supply of pie pans in superposed relation, a conveyor belt traveling below said means, rocking members disposed at opposite sides of said means and having portions projecting normally over the conveyer belt, means on the belt to engage said portions and actuate the rocking members, yieldable means for holding the rocking members with the said portions over the belt, and spiral ribs on the said rocking members having their ends adapted to engage and support the lowermost pans whereby upon actuation of said members the lowermost pan will be delivered onto the belt.

1,582,946. APPARATUS FOR HANDLING FLUE DUST. GEORGE W. VREELAND, Steubenville, Ohio. Original application filed Oct. 13, 1921, Serial No. 507,410, Patent No. 1,557,123, dated Oct. 13, 1925. Divided and this application filed Sept. 11, 1925. Serial No. 55,763. 5 Claims. (Cl. 193—34.)



1. The combination with apparatus for separating flue dust from gases, of a pug mill, means for conveying said dust from said apparatus to said pug mill, means for supplying water to said pug mill, and means for intimately mixing said water and said dust to dampen the dust.

1,582,947. DRAFT ARRANGEMENT. HAYDEN W. WAGNER, Newburgh, ARTHUR D. CASE, Beacon, and WALTER GEDNEY, Newburgh, N. Y., assignors to Coldwell Lawn Mower Company, Newburgh, N. Y., a Corporation of New York. Filed Mar. 23, 1925. Serial No. 17,460. 15 Claims. (Cl. 280—33.44.)

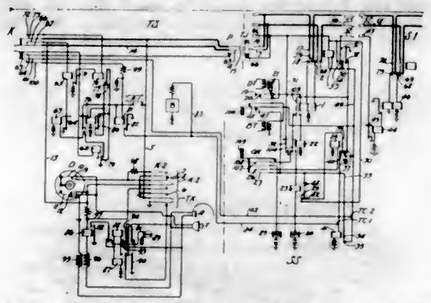


1. A draft arrangement for attaching a plurality of trailer mowers to a power mower including hitch bar means pivotally connected to the power mower to swing about a horizontal axis with respect thereto, said hitch bar means having rearwardly extending portions, and universal joint connections attached to said rearwardly extending portions and adapted to connect said portions to a plurality of trailer mowers respectively.

1,582,948. TESTING SYSTEM. JAMES N. WALTERS, East Orange, N. J., and CLAUDE EWING, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 18, 1924. Serial No. 732,846. 15 Claims. (Cl. 179—175.)

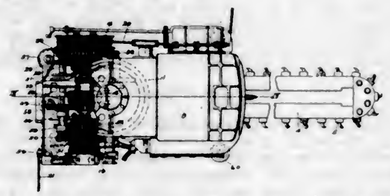
1. A test set for testing a switching device and the groups of circuits accessible thereto comprising, means for operating the switching device to select any one

of the several groups of circuits, and means after an idle circuit in the group has been seized by the switching device for automatically and sequentially



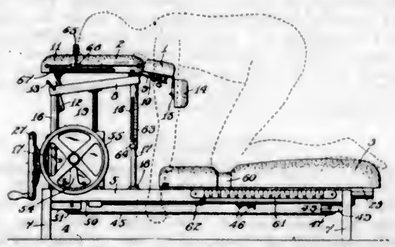
checking the various circuit conditions which arise during the normal operation of the switch and the seized circuit.

1,582,949. MINING MACHINE. CHARLES E. WAXHOM, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 26, 1923. Serial No. 682,726. 10 Claims. (Cl. 262—30.)



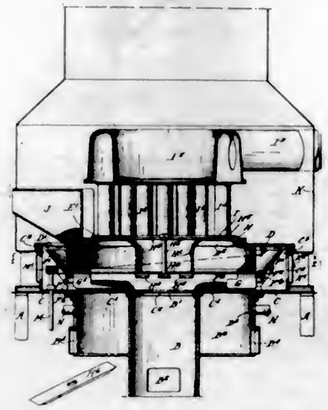
1. In a mining machine of the class described, the combination with a main frame adapted to rest upon and slide in any direction over the mine floor, of an elongated kerf cutter projecting horizontally from said frame, two winding drums mounted upon said frame with their axes extending transversely thereof, power devices upon the frame, and clutch mechanism adapted to connect said drums with said power devices to cause said drums to revolve in winding direction either simultaneously or separately at relatively high speed or at relatively low speed and a frictionally controlled mechanism for each drum and adapted to connect said drums separately or simultaneously with said power devices and to control the speed of said drums independently of each other.

1,582,950. CHIROPRACTOR'S TABLE. JESSE RAY WEAVER and LEROY E. FULLER, Indianapolis, Ind. Filed Apr. 6, 1923. Serial No. 630,207. 4 Claims. (Cl. 128—72.)



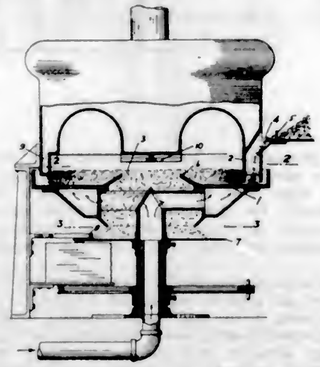
1. A table of the character described comprising in combination, a frame including a pair of track members supported relatively close to the floor chest supporting pad mounted at one end of the frame and a hip supporting pad arranged to be positioned in a plane lower than the chest supporting pad to permit the patient to kneel thereon with his chest resting on the chest supporting pad, said hip supporting pad being longitudinally adjustable on said tracks relatively to the chest supporting pad and said chest supporting pad being vertically adjustable.

1,582,951. FURNACE. UTLEY WEDGE, Ardmore, Pa. Filed Jan. 4, 1923. Serial No. 610,581. 6 Claims. (Cl. 110—36.)



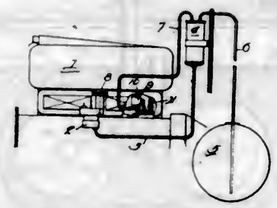
6. In a furnace for burning carbonaceous fuel an annular rotating grate having a central opening in combination with means for feeding fuel to the outer portion of the rotating grate and a stationary volute feeding wall extending above the grate in proximity to the periphery thereof, and acting in connection with the revolving grate to progressively push the fuel inward over the grate.

1,582,952. PROCESS FOR OXIDIZING OR CARBONIZING FUEL. UTLEY WEDGE, Pnoli, Pa. Filed Jan. 23, 1925. Serial No. 4,179. 6 Claims. (Cl. 110—36.)



4. The process of oxidizing or carbonizing fuel which bed against movement by gravity, and compelling movement of the ignited fuel radially across said bed by forcing fresh fuel into the bed at one rim thereof and withdrawing solid combustion residue at the other rim thereof.

1,582,953. PUMP FOR SUCTION FEED SYSTEMS. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 24, 1922. Serial No. 583,951. 2 Claims. (Cl. 123—198.)

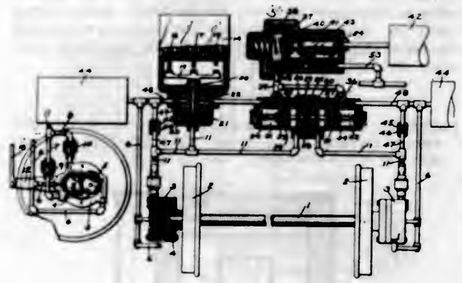


1. In combination with an internal combustion engine a fuel feeding device consisting of a vacuum producing pump of the reciprocating piston type, the same being mounted upon the engine fixed structure and comprising for actuating the pump piston a rocker fulcrumed at its lower end and having its upper end operatively connected with the pump piston; opposite lever arms extending from the lower end of the rocker transversely to its fulcrum axis into the vicinity of two oppositely reciprocating valve rods respectively; and tappets mounted on the valve rods for encounter with the opposite ends of the lever arms respectively.

1,582,954. JOINING MATERIALS. GEORGE D. WHITE, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Feb. 20, 1920. Serial No. 360,154. 3 Claims. (Cl. 106—9.)

1. A joining material comprising flint glass and pulverized fire brick.

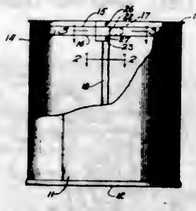
1,582,955. SPEED-CONTROL DEVICE. GEORGE W. WILDIN and CLYDE C. FARMER, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 3, 1924. Serial No. 724,011. 12 Claims. (Cl. 303—21.)



1. In a speed controlling device, the combination with a plurality of valves for determining the speed of the train and fluid pressure actuated means for serially operating said valves, of a fluid pump for supplying fluid to said means at a pressure proportional to the speed of the vehicle.

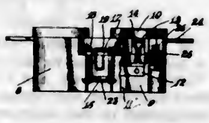
1,582,956. KEY-OPENING CAN. JOHN M. YOUNG, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 29, 1921. Serial No. 525,600. 5 Claims. (Cl. 220—54.)

1. A can, comprising a body scored circumferentially near its top to provide a side tearing strip adapted to be removed to open the can, said body being provided with a lock and lap side seam and having a tongue extending from the tearing strip at said seam, and the part of the



seam above a point located beneath the lower score line being lapped but not locked and being welded above and below the strip set off by said score lines.

1,582,957. ELECTRICAL RECEPTACLE. CHARLES E. AVERY, East Orange, N. J., assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J., a Corporation of Massachusetts. Filed Dec. 2, 1922. Serial No. 604,466. 5 Claims. (Cl. 173—330.)



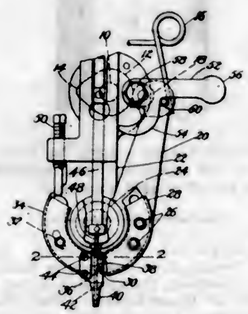
1. A receptacle comprising a one piece body having two recesses on each side of the center line connected by longitudinal channels and with T-shaped entrance slots, a longitudinal bar arranged on edge in each channel and having a flange in the rear, a contact secured on each end of each bar in said recesses, terminal plates mounted in the face of said body and attaching screws connecting said flanges and said plates and securing said bars and said contacts in position.

5. A plug receptacle contact comprising a main body portion having a resilient blade with a broad contact surface extending in the same plane therewith, means for supporting one end of said body portion, narrow spring arms integrally connected with the opposite side edges of said body portion and extending at approximately right angles thereto and terminating in reversely bent blades arranged between said arms and having independently resilient tips extending beyond the said arms in the same general direction as the resilient blade of said main body portion, said tips having contact surfaces at right angles to the contact surface of said main body blade with a space between the bent blades for a plug blade, edges of said bent blades being close to and substantially parallel with the body portion and the contact surface of said main body blade but spaced apart therefrom to permit the insertion of a plug blade.

1,582,958. SHOE. JAMES H. BALLARD, Maplewood, Mo., assignor to Craddock Terry Company, Lynchburg, Va., a Corporation of Virginia. Filed Sept. 19, 1924. Serial No. 738,695. 6 Claims. (Cl. 36—16.)

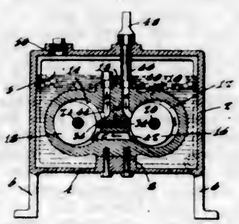
1. In a shoe, an upper, a middle sole having a beveled edge, means securing said upper to said middle sole, an outer sole, and additional means for securing said middle sole to said outer sole.

1,582,959. CUTTER ADJUSTMENT. ARTHUR BATES, FRED RICKS, and ALBERT AMOS ASTON, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 2, 1921. Serial No. 441,849. 30 Claims. (Cl. 1—22.)



1. A machine for inserting metallic fastenings having, in combination, a pair of cutters for severing fastenings from a strip of fastening material, and a stop supported rigidly with respect to one of the cutters and arranged to engage the cutting edge of the other cutter when that cutter is in the position it should occupy at the conclusion of each cutting operation.

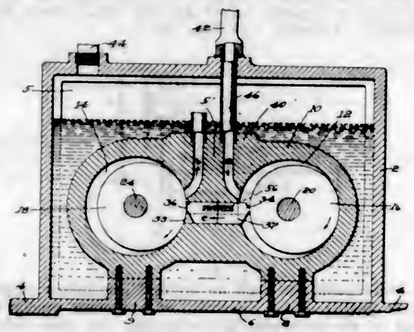
1,582,960. HIGH-VACUA PUMP. REINOLD BERRENBERG, Boston, Mass. Filed Feb. 11, 1924. Serial No. 692,047. 8 Claims. (Cl. 230—30.)



1. A tandem vacuum pump comprising a casing having two cylinders with a tangent partition wall between them, a rotor in each cylinder, a common rotor vane slidably seated in said wall, an inlet port for one pump and an outlet port for the other in said wall at one side of said vane, and a connecting port through said wall at the other side of said vane.

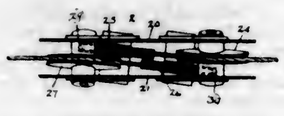
1,582,961. HIGH-VACUA PUMP. REINOLD BERRENBERG, Boston, Mass. Filed Dec. 26, 1924. Serial No. 758,002. 3 Claims. (Cl. 230—30.)

1. A tandem vacuum pump comprising a casing having two cylinders, a rotor in each cylinder, a tangent partition wall between said cylinders having a slot therethrough, a common rotor vane slidable in the upper portion of said slot whereby the lower portion below the vane forms a connecting port between the two cylinders,



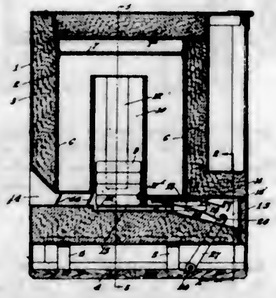
said casing having an inlet port for one pump and an outlet port for the other above said vane, and means for driving both rotors in the same direction.

1,582,962. TROLLEY CARRIAGE. OSCAR B. BJORGE, Portland, Oreg., assignor to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Dec. 9, 1924. Serial No. 754,762. 4 Claims. (Cl. 212—95.)



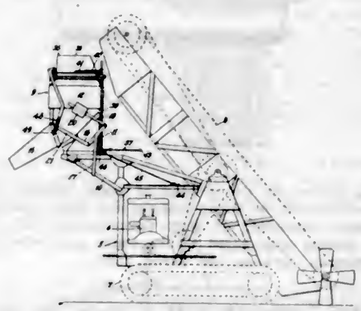
1. In a trolley carriage of the type described adapted to traverse a suitable track and to support a fall block or the like by means of a looped lifting line, the combination of a frame, and two vertically spaced pairs of sheaves mounted therein and adapted to receive in crossed relation the two parts of the line that form the loop therein, the upper edges of the upper pair of sheaves being in alignment and the bottom edges thereof being tilted in opposite directions, and the corresponding sheaves of the lower pair being diagonally opposite to such upper sheaves, respectively.

1,582,963. DISPENSING APPARATUS. ADAM BOOMERSHINE, Dayton, Ohio. Filed July 26, 1922. Serial No. 577,623. 9 Claims. (Cl. 211—8.)



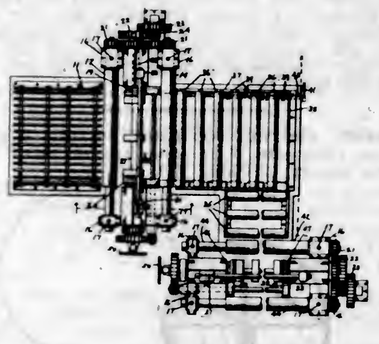
1. In a dispensing apparatus, a plurality of commodity compartments, an ejector for each compartment, commodity controlled means for holding all of the ejectors excepting for the compartment being dispensed out of operation and for throwing an ejector of a succeeding occupied compartment immediately into operation when the commodity in a preceding occupied compartment is exhausted.

1,582,964. WAGON LOADER. WILLIAM H. BOSWORTH, New York, N. Y., assignor to George Haiss Manufacturing Company, a Corporation of New York. Filed Mar. 21, 1925. Serial No. 17,160. 11 Claims. (Cl. 214—65.)



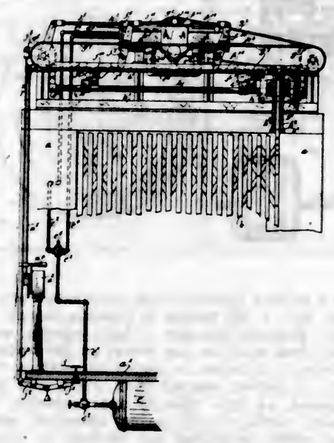
1. In a wagon loader, an elevator adapted to elevate material to be loaded, a hopper having an inlet opening and adapted to receive from said elevator the material to be loaded, means for varying the volumetric capacity of the hopper, and cut-off means adapted to be moved across said inlet opening to remove excess top-material from said hopper.

1,582,965. PLATE-TRIMMING MECHANISM. EUGENE S. BRADFORD, Detroit, Mich. Filed Mar. 19, 1924. Serial No. 700,314. 2 Claims. (Cl. 164—62.)



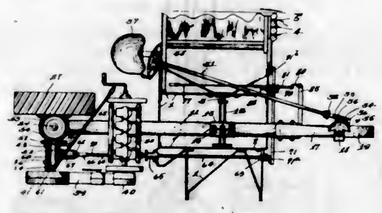
1. A pack-trimming mechanism, having, in combination with a set of advancing and edge-trimming members past which an inserted pack is adapted to travel in a substantially horizontal plane, means for varying the space between said edge-trimming members on either side of the path of travel of the pack, means for halting the travel of the pack at a predetermined point thereafter, externally actuatable means for starting the further travel of the pack in a transverse direction to the path previously traveled by it, and a second set of advancing and edge-trimming members whose axes are positioned substantially perpendicularly to those of the first set, whereby the trimming of the edges of the pack is completed.

1,582,966. ELEVATOR. ELWOOD S. BRINKER, Newark, and JOHN R. HAVILAND, Jersey City, N. J., assignors to Shur Loc Elevator Safety Company, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,255. 22 Claims. (Cl. 187—52.)



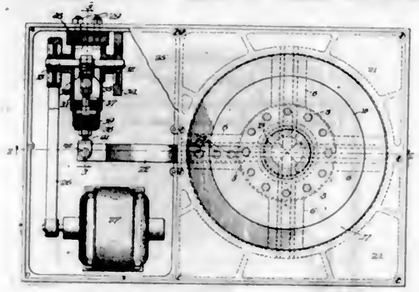
2. In an elevator, the combination of a door, a car, a traveler mounted on the car, means to effect operative engagement between the traveler and the door, opposed power cylinders and pistons, transmitting devices between the pistons and the traveler, a source of air under pressure, branch pipes severally connecting the source of air under pressure with the cylinders, and a single valve under the control of the operator to admit air to one of the cylinders and to open the exhaust of the other of the cylinders.

1,582,967. TRACTOR FRAME FOR AGRICULTURAL MACHINES. ALEXANDER T. BROWN, Syracuse, N. Y. Filed Aug. 2, 1919. Serial No. 315,003. 5 Claims. (Cl. 56—22.)



1. In a motor agricultural machine, the combination of a main member having a transversely extending bearing between its ends, a single tractor wheel and a steering wheel at opposite ends of the main member, a motor and connections between the motor and the tractor wheel carried by the frame, and an implement frame extending transversely of the main frame and having a spindle journaled in said bearing means for supporting the outer end of the implement frame in line with the axis of the spindle and connections between the implement frame and the tractor frame to normally hold it from tilting movement and for tilting the implement frame into different angles about the axis of the spindle, substantially as and for the purpose specified.

1,582,968. PACKING APPARATUS. FRANK L. BRYANT, Joliet, Ill. Filed Apr. 30, 1924. Serial No. 710,203. 5 Claims. (Cl. 259—75.)

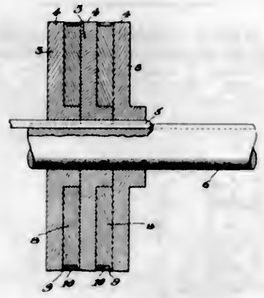


1. In a packing apparatus, the combination of a frame provided with a top having an opening therein, an oscillatable platform disposed in said opening and substantially flush with the top, means on the platform for maintaining a container in concentric relation with the platform, a circular bearing upon which said platform is supported, an arm fixed to and projecting radially from said platform, and means connected with said arm for rapidly oscillating the platform to vibrate the container mounted thereon.

1,582,969. OIL GUN. CHARLES S. BURTON, Oak Park, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Jan. 4, 1923. Serial No. 610,571. 1 Claim. (Cl. 221—47.3.)

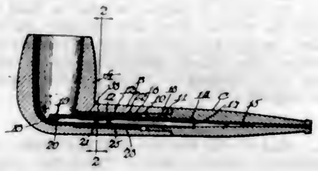
A lubricant injector comprising a lubricant-holding barrel having a head at one end and at its discharge end a reduced portion of relatively small cross-section, a plunger extending axially through the barrel emerging through the head thereof for manual operation and at the inner end adapted to be thrust into the reduced portion fitting the same piston-wise for ejecting the lubricant, a discharge nozzle at the end of the reduced portion and an inwardly seating check valve in said nozzle adapted to open under the discharge pressure: the plunger having an axial bore and a port opening therefrom into the barrel back of the reduced terminal portion thereof when the plunger is at inthrust position, and a valve in the axial bore seating in a direction opposite to the inthrust lubricant-discharging movement of the plunger.

1,582,970. APPARATUS FOR MAKING STRETCHABLE PAPER. PETER J. CHRISTMAN, Jr., Green Bay, Wis. Filed May 26, 1925. Serial No. 33,060. 4 Claims. (Cl. 92—69.)



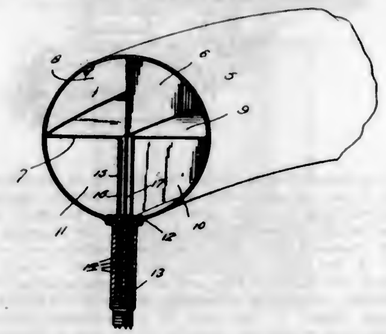
1. A device for the creping of paper, having means for maintaining the paper uniform and under control at all times, consisting of built up crowding rolls on a shaft, having rolls keyed to the shaft, and rolls riding idle thereon between the keyed rolls.

1,582,971. SMOKING PIPE. GEORGE W. CONLEY, Wheaton, Ill. Filed Mar. 26, 1923. Serial No. 627,556. 6 Claims. (Cl. 131—12.)



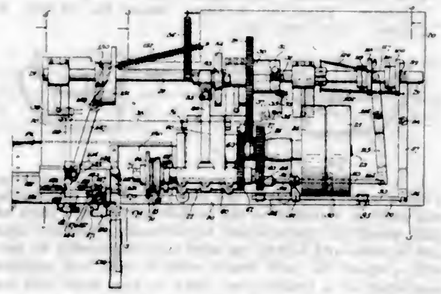
1. In a smoking pipe, the combination with a stem and mouth piece; of a draft tube communicating with said mouth piece, said tube being divided into separate compartments; a chamber surrounding said tube intermediate the ends thereof, said chamber communicating with said compartments and said bowl, and said compartments communicating respectively with said bowl and said mouth piece.

1,582,972. AIR TUBE FOR TIRES. JONATHAN E. COURTNEY, Fayetteville, N. C. Filed Jan. 16, 1924. Serial No. 686,583. 1 Claim. (Cl. 152—22.)



A tire tube structure comprising a tube proper, a valve stem penetrating the tube proper and having an end surface approximately flush with the inner surface of the tube proper, said valve stem being provided with a plurality of longitudinally disposed passageways, the inner ends of said passageways lying in the plane of the inner end surface of the stem whereby the inner ends of the passageways are substantially flush with the inner surface of the tube, a partition wall located interiorly of the tube proper, and joined with the valve stem at the center of its inner end and extending diametrically of the tube proper, a pair of partition walls extending from the first partition wall in opposite directions from intermediate portions thereof, said partition walls forming two outer compartments and two inner compartments, said first mentioned partition wall having a local enlargement extending from the juncture of the second partition walls therewith to the inner surface of the tube circumferentially aligned with the inner end of the valve stem, said local enlargement provided with passageways leading from the inner passageways of the stem to the two outer compartments, the other passageways of the stem communicating with the two inner compartments.

1,582,973. MACHINE FOR FORMING AND TRIMMING METAL SHELLS. JOHN A. DODD, Camden, N. J. Filed May 5, 1924. Serial No. 711,117. 31 Claims. (Cl. 153—9.)



14. In a machine of the character described, a rotatable internal forming roll upon which a metal shell having a closed end is adapted to be mounted, a complementally shaped rotatable external forming roll, means for bringing said forming rolls together to effect the forming operation and for thereafter separating the same, and a flange member arranged adjacent the external forming roll adapted to coact with the end of the metal shell to position the same upon the lower forming roll when said forming rolls are brought together during the forming operation.

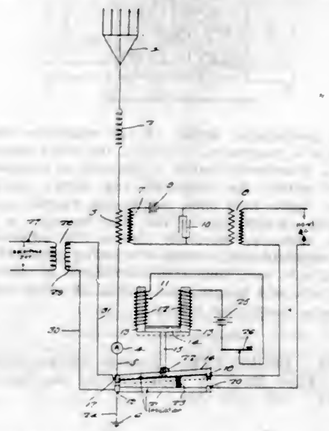
1,582,974. COMPOSITION AND METHOD OF CLEANING CONDENSERS AND THE LIKE. SILVIO GARBARINO, Genoa, Italy, assignor to Carlo Denegri, Genoa, Italy, and Mario Giannoni, New York, N. Y. Filed Feb. 16, 1924. Serial No. 693,385. 2 Claims. (Cl. 87—27.)

1. A liquid composition of matter for use as a decrustatant for cleaning condensers, radiators and the like formed from a mixture of:

	Parts by weight.
Water	86.5
Hydrochloric acid	12.0
Copper sulphate	1.0
25% solution of sodium sulphate	0.5

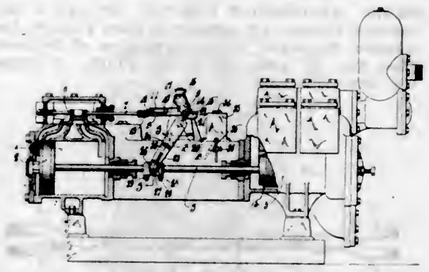
1,582,975. BREAK RELAY FOR RADIO RECEIVING-SENDING SETS. SALUSTIANO B. GARCELLANO, Charleston, S. C. Filed Nov. 7, 1924. Serial No. 748,424. 1 Claim. (Cl. 250—13.)

A device of the class described, comprising an energizable coil, a movable core mounted in said coil for axial movement therethrough in accordance with the energization of the coil, a bar member connected with and projecting from said core, a breaker arm having its central portion pivotally mounted on the end of said bar member, means on said breaker arm for engagement with said bar member for limiting the pivotal movement in one direction of the breaker arm on said bar member, a pair of contact members carried in the free end of said breaker member, a stationary contact member having a pair of contacts at the end portions thereof insulated from one another, resilient means positioned between said breaker member and said stationary contact member normally operative to hold said breaker member at one limit of its pivotal movement, manually controlled means for



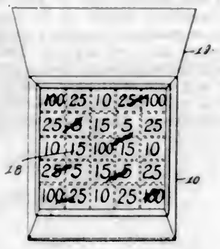
energizing said electrical coil adapted to operate said core for moving the breaker member toward said stationary contact member, the contact at one end of said breaker arm being adapted for engagement with the corresponding contact on the stationary contact member before engagement of the contact at the opposite end of said member, said first mentioned contact being included in the antenna circuit and receiving the circuit, the last mentioned contacts being included in the sending circuits, whereby said coil will control the operation of the sending circuit and short circuit the receiving circuit at the same time closing the antenna circuit before the operation of the sending circuit.

1,582,976. VALVE MECHANISM. JOHN W. GARDNER, Quincy, Ill., assignor to The Gardner Governor Company, a Corporation of Illinois. Filed Nov. 14, 1923. Serial No. 674,706. 15 Claims. (Cl. 184—6.)



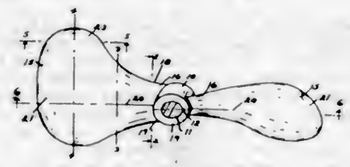
1. In a mechanism including a piston rod and a valve rod, valve operating mechanism therebetween including a pivoted lever having a laterally offset arm carrying a roller cooperating with said piston rod, and lubricating means therefor including a lubricant reservoir on said lever above said offset portion and having an outlet leading therethrough to said roller.

1,582,977. AMUSEMENT DEVICE. HERMAN GNEWOTTA, Cleveland, Ohio. Filed Feb. 5, 1924, Serial No. 690,847. Renewed Sept. 12, 1925. 3 Claims. (Cl. 273—95.)



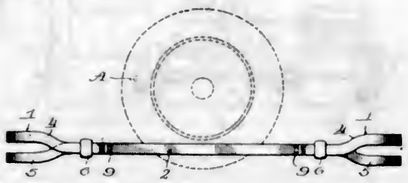
1. An amusement device of the character described comprising a receptacle, a door at the front thereof and having a transparent panel, a plurality of compartments arranged within the receptacle and having their corresponding upper ends open in the top thereof and their other ends terminating at the door opening of the receptacle, said door normally closing the adjacent ends of the compartments, a hopper reposing upon the top of the receptacle, said compartments adapted to receive balls thrown into said hopper, and indicia affording each compartment a particular valuation.

1,582,978. PROPELLER. ANGELO GRILLI, Milwaukee, Wis. Filed Mar. 29, 1924. Serial No. 702,761. 6 Claims. (Cl. 170—159.)



1. In a device of the character described, a member designed for interaction with a fluid and having a substantially straight spar section comprising its portion of greatest thickness, said member having leading and trailing edges at varying distances apart, the chord distance from said spar section to the leading edge being in approximately constant ratio to the chord distance from said spar section to said trailing edge.

1,582,979. AUTOMOBILE BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Bifiex Products Corporation, Waukegan, Ill., a Corporation of Delaware. Filed Nov. 21, 1925. Serial No. 70,467. 5 Claims. (Cl. 293—55.)

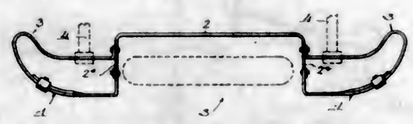


1. A bumper comprising impact sections, each consisting of a bar bent to form a closed loop having a straight transverse portion at its inner end and an intermediate bar provided with end portions bent at right angles thereto and connected in flatwise contact with the transverse and end portions of said impact sections.

1,582,980. AUTOMOBILE REAR BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Bifiex Products Corporation, Waukegan, Ill., a Corporation of Delaware. Filed Jan. 7, 1926. Serial No. 79,726. 7 Claims. (Cl. 293—55.)

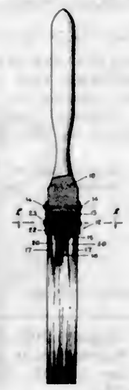
1. In a bumper of the character described the combination of end bumper sections and an intermediate connecting bar, each of said sections comprising resilient bars bent to form a rigid looped frame, having a U-shaped outer end, a vertically disposed and widened impact area inwardly from said U-shaped end and offset in a vertical direction from said connecting bar.

1,582,981. AUTOMOBILE REAR BUMPER. WILLIAM J. GROTENHUIS, Chicago, Ill., assignor to Bifiex Products Corporation, Waukegan, Ill., a Corporation of Delaware. Filed Jan. 7, 1926. Serial No. 79,727. 3 Claims. (Cl. 293—55.)



1. A bumper adapted for mounting on a vehicle having a spare wheel mounted at the rear thereof and comprising end sections attached to the vehicle on opposite sides of said wheel, an intermediate bar extending between said end sections and having its ends bent rearwardly to provide a space for said wheel, each of said end sections consisting of a resilient bar bent in loop form, and an auxiliary bar spaced vertically from said first mentioned bar to form a widened impact area spaced inwardly from the ends of said sections, said first mentioned bar being connected at one end with said intermediate bar and at its opposite end with said auxiliary bar and means for connecting the adjacent ends of said bars together.

1,582,982. BRUSH. WALTER GRUMBACHER, New York, N. Y. Filed Oct. 9, 1923. Serial No. 667,548. 5 Claims. (Cl. 15—192.)

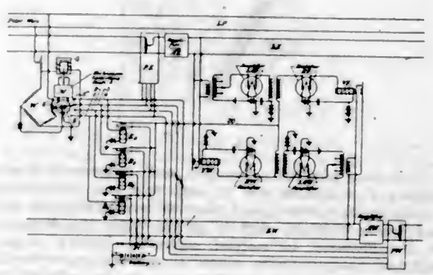


1. In a brush construction, in combination, a brush head, a brush handle and means connecting the two, the brush head including a plurality of ferrules, arranged one within the other with the inner ferrule projecting beyond the outer ferrule and a plurality of groups of bristles, one group being supported within the inner ferrule, and another group being supported between the ferrules, the bristles of the inner ferrule being shorter than the bristles of the outer ferrule and all the bristles being substantially co-terminous.

1,582,983. PLAYING BALL. MARCIA C. HAMBLET, Akron, Ohio. Filed Jan. 17, 1924. Serial No. 686,761. 10 Claims. (Cl. 273—58.)

1. An elastic playing ball having means whereby a return cord may be attached, said attaching means comprising a string the ends of which are vulcanized to the body of the ball and having a central loop projecting outwardly from the surface of the ball.

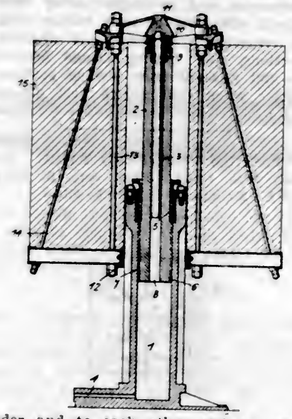
1,582,984. AUTOMATIC REGULATION OF ECHO-SUPPRESSOR SENSITIVITY. HAROLD S. HAMILTON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 10, 1925. Serial No. 55,541. 7 Claims. (Cl. 178—44.)



1. In a signaling system, a transmission circuit, a variable transmission element associated with said circuit, means to automatically vary the transmission of said transmission element in response to changes in the over-all transmission equivalent of said circuit, an echo suppressor associated with said circuit, and means automatically responsive to changes in the adjustment of said transmission element to produce compensating changes in the sensitivity of the echo suppressor.

1,582,985. HYDRAULIC ACCUMULATOR. PAUL THEODOR HÄNEL, Dresden, Germany. Filed Mar. 31, 1924. Serial No. 703,302. 5 Claims. (Cl. 103—222.)

1. Hydraulic accumulator comprising in combination, a cylinder, means for supplying liquid to said cylinder, two pistons having different useful surfaces arranged in said cylinder for simultaneous reciprocation relative to

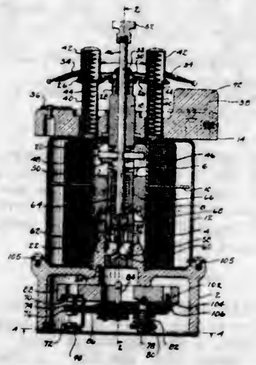


said cylinder and to each other and a power storing means arranged to be acted upon by said pistons jointly and also by the small piston alone.

1,582,986. ALTERNATING-CURRENT ELECTROMAGNET. PERCIVAL FRANK HARRIS, South Shields, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, Durham, England, a British Company. Filed Apr. 9, 1924. Serial No. 705,311. 3 Claims. (Cl. 175—338.)

1. An alternating current electromagnet in which magnetic contact between the main surface of the pole and that of the armature is prevented by forming one of such surfaces with a lamination of magnetic material which projects beyond such main surface.

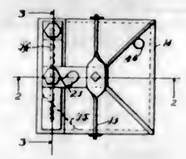
1,582,987. REMOTE-CONTROL ELECTRIC SWITCH. GERALD W. HART, West Hartford, Conn. Filed Dec. 6, 1924. Serial No. 754,275. 8 Claims. (Cl. 200—102.)



1. In a remote control switch, the combination of a switch arm, contacts adapted to be engaged thereby, a switch arm plunger connected to said switch arm, a

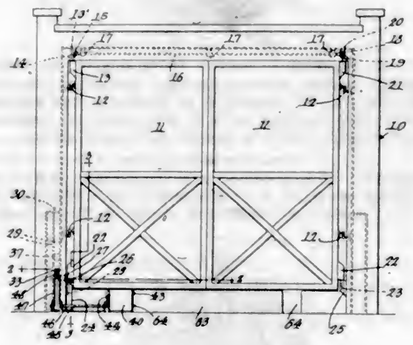
detent plunger, an armature surrounding said switch arm plunger and adapted to move said plungers in opposite directions, and two coils having their axes in alinement with the axis of said switch arm plunger and acting respectively to move said armature in opposite directions, and locking means adapted to be moved into and released from locking position by said detent plunger when said switch arm plunger is depressed.

1,582,988. VACUUM FUEL-FEED TANK. WILLIAM E. HART, San Jose, Calif. Filed Aug. 5, 1924. Serial No. 730,231. 2 Claims. (Cl. 103—236.)



1. A device of the character described comprising a chamber, a float mounted for vertical displacement therein, a valve controlled port in said chamber, a lever arranged to actuate said valve and having the end of its longer arm arranged in a vertical plate and provided with converging edges, an arm pivotally mounted on said float and adapted to engage said edges, and resilient means for maintaining said arm in engagement with said edges.

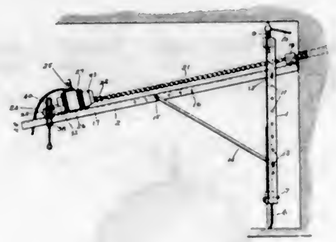
1,582,989. DOOR-OPERATING MEANS. DANIEL M. LEE, Georgetown, S. C. Filed Mar. 26, 1924. Serial No. 702,090. 5 Claims. (Cl. 268—9.)



1. In a door operating means, door means, means including a rack bar to open the door means, a spring to close the door means, a trip element to move the rack bar in one direction, a latch to engage with the rack bar to hold it against movement, and means operated by the trip means to release the latch.

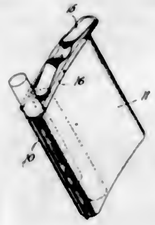
1,582,990. COAL DRILL. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 19, 1921. Serial No. 462,727. 3 Claims. (Cl. 255—47.)

1. In a drilling machine, the combination of a frame having spaced apart guide rails, a motor carriage slidably mounted on said guide rails, a motor detachably secured to said carriage, a drill operatively connected with said motor, independent carriage moving means



removably and rotatably mounted in open bearings in rear of said motor carriage, and means on said guide rails engaged by said carriage moving means to advance itself and said motor carriage on said guide rail.

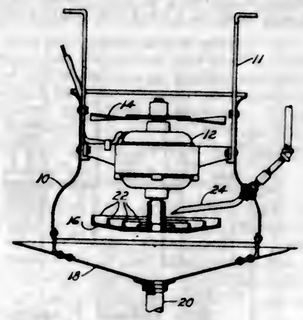
1,582,991. CIGARETTE CASE. CONVERSE W. LLOYD, New York, N. Y., assignor to The Sani-Fold Company, Inc., a Corporation of New Jersey. Filed Nov. 16, 1922. Serial No. 601,249. 6 Claims. (Cl. 206—41.)



1. A case adapted to contain and dispense a single column of cigarettes one by one, said case comprising a substantially rectangular chamber having an open end and whose width is slightly greater than the diameter of the ordinary commercial cigarette whereby a plurality of cigarettes when placed therein may move freely longitudinally of the chamber and yet be retained in column formation by the side walls of the chamber, the open end of said chamber being provided with a slidable closure member movable longitudinally of the chamber and when slid a distance equal to or slightly in excess of the diameter of one of the cigarettes, adapted to permit the end cigarette to be dispensed from the case by quick movement thereof in a plane substantially parallel to the cigarette axis and at the same time adapted to retain the remaining cigarettes positively within the case.

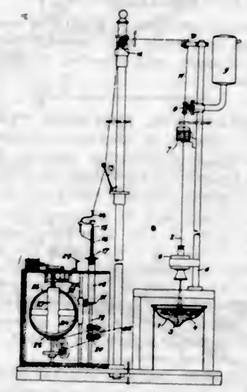
1,582,992. CENTRIFUGAL ATOMIZER. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed Feb. 12, 1924. Serial No. 692,268. 7 Claims. (Cl. 299—63.)

1. An imperforate liquid-distributing rotor having distributors, set successively farther from its axis and delivering one to another; the receiving portion of a distributor having a surface against which the liquid is



thrown abruptly by a preceding distributor and on which it is spread; and its delivery portion being adapted for centrifugal discharge of the liquid thus spread.

1,582,993. SPINNING OF ARTIFICIAL SILK. BERNARD LOEWE, Zurich, Switzerland. Filed Mar. 14, 1924. Serial No. 699,389. 10 Claims. (Cl. 18—54.)

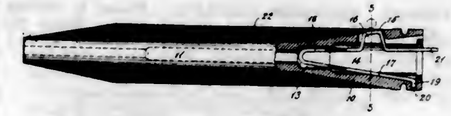


1. A method of spinning artificial silk, characterized by the fact, that a natural silk thread, which is obtained by reeling off cocoons in a bath and consists of one or more such cocoon threads, is impregnated in the course of its formation with a cellulose substance by drawing it through the said substance, from which it continuously draws a thread, which coagulates on the surface of the natural silk thread, which is itself impregnated with the said substance so as to form an artificial silk thread.

2. In an apparatus for carrying out the process as claimed in claim 1, a device for drawing a thread of natural silk from cocoons, a spinning nozzle filled with a cellulose substance, means for passing the natural silk thread through said spinning nozzle in order to draw therefrom a combined cellulose and natural silk thread.

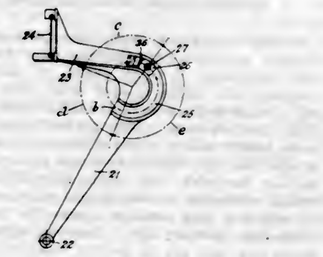
1,582,994. LOOM. JONATHAN LUCAS, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed July 2, 1924. Serial No. 723,634. 1 Claim. (Cl. 139—289.)

The combination of a bobbin of the kind described, provided with an axial bore and an open chamber at its one end forming a continuation of said bore, said bobbin further having a transverse recess in registry with the longitudinal median line of said bobbin and communicating with said chamber, and a V-shaped spring removably fitted in said chamber and having its apex end located contiguous to and out of registry with said bore, said spring being shaped at an intermediate point of one of its members to provide tripping member normally held in said recess in an inoperative position by the yarn



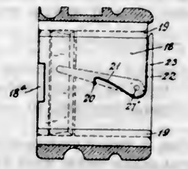
upon said bobbin and being projected out of said recess by the inherent elasticity of said spring to an operative tripping position, when the supply of yarn on the bobbin is exhausted.

1,582,995. BEATER-ARM MECHANISM FOR LOOMS. JONATHAN LUCAS, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed May 29, 1925. Serial No. 33,591. 1 Claim. (Cl. 139—190.)



In a loom the combination of a crank-disk, a crank-pin carried by said crank-disk and movable thereby in a circular path, a pivotal beater-arm, a cam-groove on said beater-arm curved in the arc of a circle having the same radius as the radius of the circular path traversed by said crank-pin and arranged in one position of the beater-arm to axially register with said circular path, a cam-block slidably fitted in said cam-groove and having operating surfaces corresponding to and in surface engagement with the walls of said groove, said crank-pin being rotatably connected with said cam-block, means for rotatably actuating said crank-disk whereby the beater-arm, through the medium of said crank-pin and cam-block, is pivotally oscillated, and a buffer in said cam-groove adapted to be engaged by said cam-block to start the pivotal oscillation of said beater-arm in one direction.

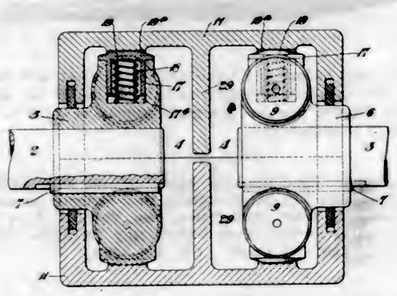
1,582,996. TENSION DEVICE FOR LOOM SHUTTLES. JONATHAN LUCAS, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed May 29, 1925. Serial No. 33,592. 5 Claims. (Cl. 139—197.)



1. A shuttle comprising a casing, a bobbin mounted therein, a tension lever movably mounted in said casing in transverse relation to the bobbin-thread as it passes

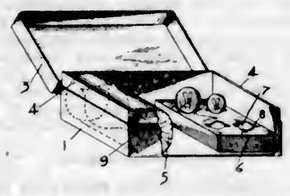
from the bobbin and operating by gravity to place said bobbin-thread under tension, and means whereby said thread is maintained against shifting lengthwise of said tension lever.

1,582,997. FLEXIBLE COUPLING. FRANK R. MCGEE, Steubenville, Ohio. Filed May 2, 1924. Serial No. 710,546. 3 Claims. (Cl. 64—91.)



1. The combination with two shafts arranged in substantial alinement and having their abutting ends in close proximity to each other, of means for flexibly coupling said shafts to each other, said means comprising a cross head secured to each of said shafts adjacent their abutting ends, a driving box mounted around said cross heads, means mounted between two opposite sides of said box and said cross heads to form a driving connection therewith, said means permitting a limited universal movement of said shafts and cross heads relative to said box, and resilient means for forming a flexible connection between the other two sides of said cross heads and said box to prevent chattering when starting or reversing the shafts.

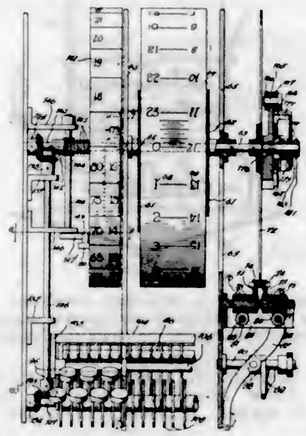
1,582,998. KIT FOR INCANDESCENT LAMPS. WILLIAM AUGUSTIN MCKAY, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 19, 1921. Serial No. 485,904. 5 Claims. (Cl. 206—16.)



1. A kit for incandescent electric lamps comprising a box, and supporting means therein, so constructed and arranged as to engage and hold small lamps with their axes at right angles to the bottom and comparatively large lamps with their axes parallel to and substantially midway between the top and bottom walls of said box.

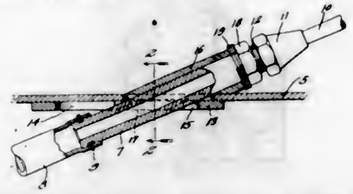
1,582,999. COMPUTING MECHANISM FOR WEIGHING SCALES. OTTO MALCHER, Chicago, Ill. Filed Dec. 15, 1919. Serial No. 345,116. 53 Claims. (Cl. 235—58.)

14. In combination, a prime mover, a counter arranged to be driven by said prime mover at a fixed rate relative thereto, means for arresting the movement of said counter, a movable member for controlling said counter-arresting means, weight controlled means for cooperating with said movable member to cause said counter-arresting means to be actuated when said movable member has traveled a distance proportional to the weight of an article, a plurality of price cams, means for moving said price cams at a fixed rate relative to said prime



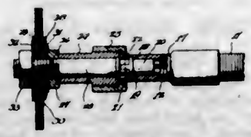
mover, and means arranged to selectively cooperate with said price cams to operate said movable member at different rates of speed corresponding to different prices per unit weight.

1,583,000. MEANS FOR SECURING TUBING TO A SUPPORT. HOWARD E. MAYNARD, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 50,885. 4 Claims. (Cl. 285—52.)



1. In combination, a supporting member having an opening therein, tubing extended through said opening, a plate on one side of said opening having a slot therein larger at one end than at the other, grooves in the tubing, whereby said tubing may be passed through said large portion of the slot and moved into the small portion thereof with said grooves engaging the sides of said small portion, and means for securing said tubing on the other side of said opening to prevent fore and aft movement of the tubing.

1,583,001. DEVICE FOR REMOVING CARBON. JOHN H. MEINTS, Beatrice, Nebr. Filed Dec. 31, 1924. Serial No. 759,132. 1 Claim. (Cl. 15—104.01.)

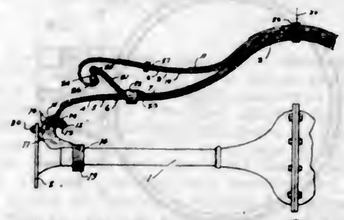


In a device of the character described, a sleeve formed with a bore having an enlarged rear end portion forming an annular seat, a rotatable shaft extending through the bore of said sleeve and having its rear end portion provided with an abutment seated in said seat to prevent forward sliding of the shaft, the rear end of said shaft being adapted for engagement with drive means and the forward end portion of the shaft being threaded and extending from said sleeve, a nut screwed upon the extended forward end portion of said shaft to engage the forward end of the sleeve and prevent rearward sliding of said shaft, a cleaning element fitted upon said shaft against said nut, and a nut screwed upon the outer end portion of said shaft and engaging said cleaning element to clamp the same against the first nut for turning with the shaft.

1,583,002. DETOXIFYING COMPOUND AND PROCESS OF MAKING IT. GUSTAVE P. METZ, Brooklyn, N. Y., assignor to H. A. Metz Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1925. Serial No. 67,435. 3 Claims. (Cl. 260—125.)

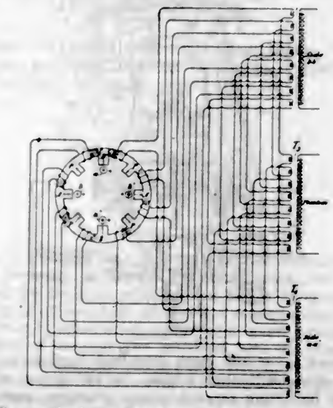
1. As a new product a compound of carbamid and sodium thiosulfate.

1,583,003. SPRING. CONRAD MILLER, Casper, Wyo. Filed May 5, 1924. Serial No. 711,112. 2 Claims. (Cl. 267—45.)



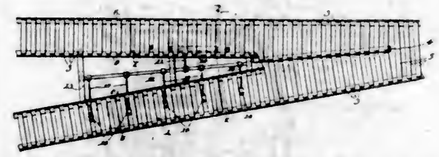
1. A multiple leaf spring comprising two groups of leaves having their central portions concentrically curved, means for clamping the leaves together at their center points the outer portions of said groups being normally separated, the lowermost leaf of each group being a master leaf, the master leaf of the upper group being curved downwardly and inwardly, the upper leaf of the lower group having its end bent away from the other leaves of the lower group and upwardly to a point above the corresponding end of the master leaf of the upper group and a shackle connecting the said ends.

1,583,004. SIGNAL-DETECTING SYSTEM. HAROLD S. OSBORNE, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 16, 1920. Serial No. 424,506. 6 Claims. (Cl. 179—15.)



1. The method for the simultaneous detection of three telephonic signals transmitted over a submarine cable which consists in encircling the said cable with a core having thereon a plurality of groups of windings, inducing in each group the current corresponding to one of the said telephonic signals, amplifying each of said induced currents and impressing the amplified current upon an indicating device.

1,583,005. TRIP AND BRAKE DEVICE FOR CONVEYERS. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,256. 9 Claims. (Cl. 193—35.)

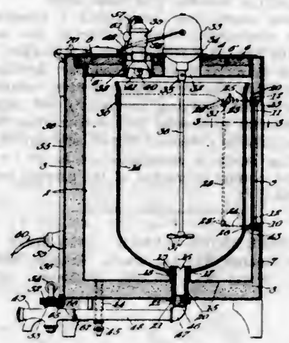


7. A conveyer system comprising a rollerway, a rollerway adapted and arranged to deliver articles to said first mentioned rollerway, and means actuated by an article on said first mentioned rollerway for preventing rotation of rollers of said second rollerway adjacent to the junction between said rollerways.

1,583,006. ENAMELING. HARRIE C. PIERCE and CHAD H. HUMPHRIES, Kokomo, Ind., assignors to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed June 5, 1924. Serial No. 718,154. 6 Claims. (Cl. 91—71.)

4. Process of enameling cadmium and zinc surfaces which comprises contacting the same with a solution of an arsenate, applying enamel to the surfaces, and baking the enamel.

1,583,007. DISPENSING APPARATUS. ALFRED W. RAM, Washington, D. C. Filed Apr. 28, 1925. Serial No. 26,497. 4 Claims. (Cl. 225—21.)

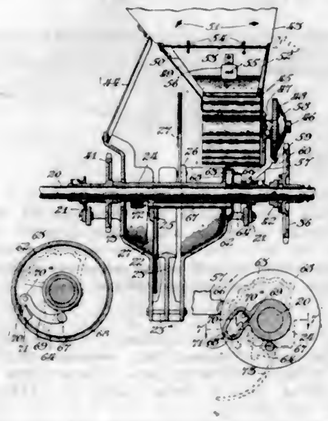


1. An apparatus for dispensing liquids comprising a liquid receptacle provided with a draw-off faucet, and faucet-controlled means for agitating the liquid contained in said receptacle prior to and during the draw-off operation.

1,583,008. SEED-DISPENSING MECHANISM. CHARLES A. A. RAND, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 9, 1924. Serial No. 731,067. 8 Claims. (Cl. 221—127.)

1. Feeding mechanism for potato planters comprising the combination of a hopper having an outlet, a rotary discharging device adjacent the outlet, a magazine below said device, and mechanism for imparting step by step

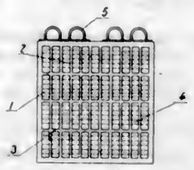
rotation to the discharging device comprising a drive shaft extending into the magazine, a pawl and ratchet drive connected to the discharging device including a rock arm actuated by a cam normally rotatable with the drive shaft, and means for interrupting rotation of the cam when a predetermined quantity of seed accumulates in the magazine comprising a trip arm journaled on the drive shaft within the magazine and having a connection with said cam releasable upon contact of said trip arm with seed in the magazine.



4. Feeding mechanism for potato planters comprising the combination of a hopper having a side outlet, a feed roller closing the bottom of the hopper and forming the lower boundary of the outlet, a yielding and swinging gate acting as a retaining member and loosely hung in the outlet, and means for rotating the feed roller in the direction of the outlet whereby seed potatoes are forced past the retaining member and discharged.

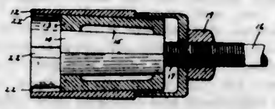
8. A feeding mechanism comprising a hopper having an outlet, a discharging device adjacent the outlet for controlling the flow of material from the hopper, a magazine receiving material from said hopper, driving mechanism for operating the discharging device, control means associated with said driving mechanism for causing the driving mechanism to become inoperative when the magazine becomes filled to a desired degree, said driving mechanism including parts so associated as to be retained at rest while the normal operation of the driving mechanism is interrupted.

1,583,009. FIRE-BRICK PANEL. JEAN RENE CHARLES FRANÇOIS XAVIER REILLE, Paris, France. Filed Nov. 10, 1924. Serial No. 749,109. 1 Claim. (Cl. 110—173.)



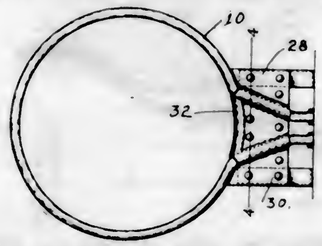
A refractory panel for furnace doors, covers, dampers, arches and the like comprising a lattice work frame and separate groups comprising a small number of fire bricks secured in the openings of said lattice work, the inner and outer sides of said groups being free.

1,583,010. LAPPING TOOL. HENRY RICHARDSON, Waltham, Mass. Filed Mar. 18, 1925. Serial No. 16,363. 5 Claims. (Cl. 51—206.)



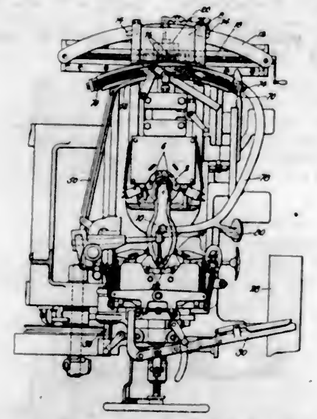
1. A lapping tool comprising a tubular lap of soft inelastic metal, having an uninterrupted periphery and externally cylindrical and internally tapered, the lap being adapted to be stretched to compensate for wear of its periphery, and adjustable lap-holding, rotating and stretching means adapted to stretch the lap when its external diameter has been reduced by wear.

1,583,011. BASKET-BALL GOAL. EVERETT W. ROE, Louisville, Ky. Filed Aug. 17, 1925. Serial No. 50,604. 5 Claims. (Cl. 273—1.)



5. A basket ball goal including a pair of webbed angle iron supports, an incomplete ring and means for attaching the ring to said supports, said means including a pair of plates adapted to complete the contour of the ring.

1,583,012. LASTING MACHINE. HENRY EARL ROSS, Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,267. 11 Claims. (Cl. 12—14.)



1. A machine of the class described having, in combination, shoe-positioning means, toe-embracing wipers, means for imparting to said wipers unwiping movement height-wise of the toe of a shoe including a component of movement laterally of the shoe, heel-lasting mechanism

movable laterally to different positions for operating respectively upon right and left shoes made on crooked lasts and arranged to occupy an intermediate position for operating upon shoes made on straight lasts, mechanism for determining by the lateral movement of the heel-lasting mechanism the direction and extent of the lateral movement of the toe wipers in operating upon shoes made on crooked lasts, and mechanism movable independently of the heel-lasting mechanism when the latter is in its intermediate position for determining the direction and extent of the lateral movement of the toe wipers in operating upon shoes made on straight lasts.

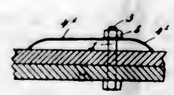
1,583,013. HOLDER FOR SAFETY-RAZOR BLADES. EDWARD J. SAWTELLE, Somersworth, N. H. Filed Oct. 1, 1923. Serial No. 665,757. 3 Claims. (Cl. 51—221.)

1. A razor blade holder comprising a blade-carrying body having sections arranged at an obtuse angle with relation to one another and a spring connection between said sections, said body presenting opposite free edges parallelly arranged, blade-supporting means for holding a blade upon said body with the outer edge of the blade projecting beyond the free edge of the body, a spreader plate in the angle between said sections with edges bearing against the respective sections, and means connecting with the spreader plate through said body for varying the position of the spreader plate with relation to the body whereby the angle between the sections may be varied and the sections be maintained in a determinate adjusted position.

1,583,014. PROCESS FOR THE PRODUCTION OF HARD RESINOUS BODIES. EUGEN SCHAAL, Feuerbach, Germany. Filed Aug. 25, 1924. Serial No. 734,075. 7 Claims. (Cl. 260—2.)

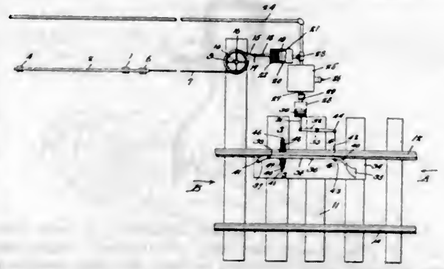
1. A process for the production of hard oil soluble resinous bodies as copal substitutes, consisting in the steps of mixing a finely pulverized rosin with a mixture of sodium chloride, sodium sulphate and cobalt acetate, and then subjecting the final mixture to heat and a stream of air so that it does not melt or fuse together until the desired degree of hardness is obtained.

1,583,015. WASHER FOR BLOCKING NUTS. LEOPOLD SEEGER, Rochefort, Belgium. Filed Oct. 9, 1923. Serial No. 667,569. 4 Claims. (Cl. 151—20.)



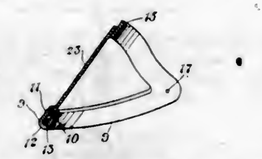
4. In a nut lock, the combination with a bolt adapted to be arranged through a piece of work and a nut threaded on the bolt, of a locking device formed from a single strip of metal of rectangular configuration in plan and curved in side elevation and of a length greater than the width of the nut and provided with an opening for engagement with the bolt leaving two arms on the opposite sides of the opening of unequal length which when clamped into engagement with the piece of work by the nut contact only at their terminals with the piece of work.

1,583,016. RAILROAD-CROSSING GUARD. CHARLES EDWIN SHEARON, Hattiesburg, Miss., assignor of forty-nine one-hundredths to Robert L. Anderson, Hattiesburg, Miss. Filed Dec. 5, 1923, Serial No. 678,704. Renewed Mar. 29, 1926. 3 Claims. (Cl. 246—271.)



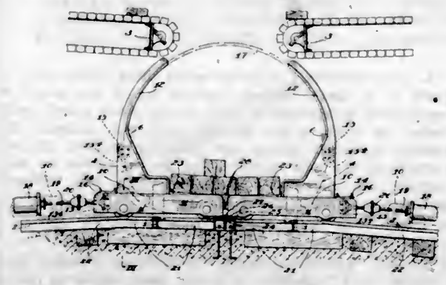
1. In a device of the class described, a track rail, a lever and a fulcrum therefor, the lever comprising parts which diverge from the track rail, a stop, means for pivotally connecting said parts of the lever whereby the lever will elongate and cause one of said parts to cooperate with the stop when the other of said parts is engaged by a passing car moving in one direction on the rail, and gate operating means assembled with the first specified part of the lever and actuated thereby, through the instrumentality of a car moving in an opposite direction on the rail.

1,583,017. EYESHADE. SAMUEL SHERMAN, Providence, R. I. Filed Aug. 7, 1925. Serial No. 48,768. 3 Claims. (Cl. 2—12.)



1. In an eye shade, an oblong open frame comprising a lower rim provided with a longitudinally disposed socket, and a support connected at its ends to the rim and between said ends bowed away from said rim, a filling plate detachably engaging the rim and support, and ear rests upon the ends of the frame.

1,583,018. TIE-LOADING DEVICE. GRANT B. SHIPLEY, Pittsburgh, Pa. Filed June 19, 1925. Serial No. 38,219. 13 Claims. (Cl. 214—41.)

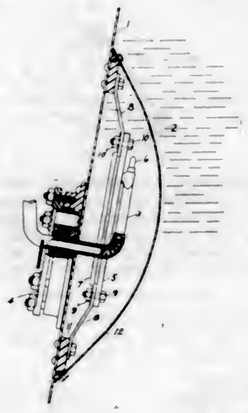


1. A truck loading device comprising a pair of oppositely facing laterally movable skeleton frames, each including connected end portions spaced apart a distance greater than the length of the truck to be loaded and comprising bases with uprights at their outer ends.

1,583,019. BOTTLE CLOSURE. ELTA SIMMONS, New York, N. Y. Filed Apr. 27, 1925. Serial No. 25,996. 3 Claims. (Cl. 215—41.)

1. A sealing cap for bottles comprising a body portion of thin elastic material, an internal reinforcing and gripping bead extending around the open periphery of the cap, and a relatively stiff tab forming a prolongation of the bead in the plane thereof, whereby the cap may be pulled onto a bottle without inserting the fingers in the cap, such tab being connected to the bead over substantially a semi-circumference to distribute the pull upon the bead whereby narrowing of the cap opening at the bead is avoided.

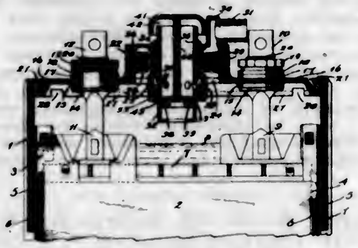
1,583,020. APPARATUS FOR DRAINING SOUND TUBES. LOUIS BYRNE SLICHTER, Cambridge, Mass., assignor to Submarine Signal Corporation, Boston, Mass., a Corporation of Delaware. Filed Feb. 20, 1924. Serial No. 694,167. 3 Claims. (Cl. 181—0.5.)



3. In a device for draining sound tubes which are exposed to a liquid medium through which the sound is transmitted comprising a clear unobstructed sound path, means for lining a part of said path with moisture absorbing material, means for obtaining smooth joining surfaces at the ends of said lining means, means for conducting said moisture outside the sound tube without allowing an escape for the sound itself.

1,583,021. BATTERY CELL. ALMOND H. SNYDER, Lancaster, N. Y., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., a Corporation of New York. Filed Aug. 10, 1918. Serial No. 249,228. 40 Claims. (Cl. 136—180.)

1. The combination with a fluid-tight receptacle having a fluid inlet in communication with the interior thereof, of means in operative relation to said inlet whereby fluid entering therethrough is directed and discharged nearer



the side walls of said receptacle than the position of said inlet.

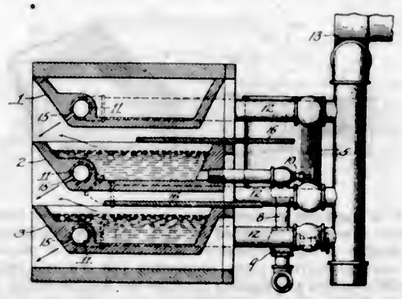
1,583,022. METHOD OF MAKING METAL LABELS. MYER H. STANLEY and ROBERT H. ANGELL, Dayton, Ohio, assignors to The Stanley Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 14, 1924. Serial No. 749,943. 14 Claims. (Cl. 41—26.)

1. A new article of manufacture such as a metal label consisting of embossed portions, and a colored portion between the embossed portions, said colored portion having a surface composed of a fine colored dust of irregular area scattered thereon.

1,583,023. SALIVA-EJECTING DEVICE. CHARLES I. STOLOFF, New York, N. Y. Filed Dec. 11, 1924. Serial No. 755,250. 5 Claims. (Cl. 32—33.)

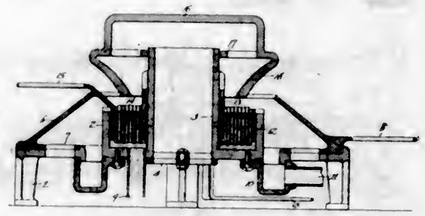
1. The combination in a saliva-ejecting device of a mouth-piece terminating at the lower extremity in a sleeve, a single unit body member, a bayonet-clutch means for joining and securing the said mouth-piece and body in engagement and comprising an angularly slotted sleeve provided with the said mouth-piece, a pin co-operatively positioned in the wall of the said body and a flexible rubber washer, and a coupling means for connecting the said body to a flexible tubing leading from the suction pressure apparatus.

1,583,024. OIL BURNER. RAYMOND F. STURGIS, Rahway, N. J., assignor to The Torridion Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 7, 1925. Serial No. 7,574. 1 Claim. (Cl. 158—92.)



In an oil burner comprising a plurality of nested pans, having air passages between them, means for supplying oil at a constant level in each pan, and dampers slidable over the top of the pans for varying the surface of oil exposed to the draft.

1,583,025. OIL BURNER. RAYMOND F. STURGIS, Rahway, N. J., assignor to The Torridion Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 7, 1925. Serial No. 7,575. 2 Claims. (Cl. 158—91.)

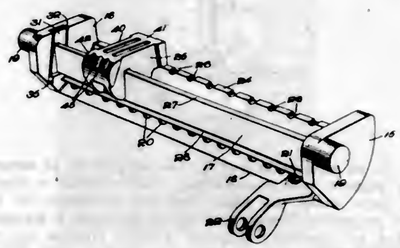


2. In an oil burner, the combination comprising an oil pan, heat transferring gills in the oil pan in heat conducting relation to the oil and gases over the pan, said gills being carried by a combined rotatable carrier and cleaner for removing carbon, a handle on the carrier for manually rotating the same, a central air inlet passing up through the pan, an air deflector for returning the air passing through the central opening down to and over the top of the pan, and an outside air deflector having conical walls adapted to direct a current of air against the first-mentioned current as it issues from the outer edge of the pan.

1,583,026. CHEESE AND LIKE BOX. JOSEPH STUTZ, Uster, Switzerland, assignor to Schweizerkäse-Konserven A. G., Schindellegi, Schwyz, Switzerland. Filed Oct. 31, 1924. Serial No. 746,991. 1 Claim. (Cl. 229—51.)

In a box for packing cheese and the like, the combination with two dished covers fitted edge to edge over a body ring and sealed together by means of a surrounding paper strip, of a thin metal strip which is doubled upon itself and whose ends are bent over at right angles to the strip in opposite directions, said metal strip being accommodated between the abutting edges of the covers with the ends interposed between the covers and the body ring; so that the strip can be slid between the edges round the box for cutting the sealing strip.

1,583,027. STOKER BAR. GEORGE H. THACHER, Jr., Melrose, Mass. Filed Oct. 9, 1923. Serial No. 667,514. 10 Claims. (Cl. 110—39.)



2. In a stoker bar, in combination, a frame having end members, and a member connecting the end members and forming a shield on the front side of the frame, a series of grate sections movably mounted in the frame, a freely removable carrier bar carried on said end members and furnishing support for the grate sections, each of said grate sections being free to be lifted out of and restored to operative position without disturbing the position of the frame or carrier bar, and non-locking retaining means normally securing the carrier bar in operative position.

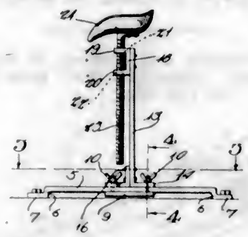
1,583,028. SHOE UPPER AND METHOD OF FINISHING THE EDGES THEREOF. ALFRED J. THOMAS, Braintree, Mass. Filed Aug. 29, 1923. Serial No. 660,044. 14 Claims. (Cl. 112—262.)

14. The method of finishing the edges of shoe uppers which consists in simultaneously feeding said upper, a tape, and a cord, and folding the tape over said cord during the feeding operation, and then uniting the edges of said tape to the edge of said upper by a row of stitches.

1,583,029. CONNECTING LINK FOR ANTISKID CHAINS. ELISHA G. THOMAS, Vernon, N. Y., assignor to Joseph F. Herman, Washington, D. C. Filed Apr. 18, 1922. Serial No. 554,392. 1 Claim. (Cl. 24—73.)

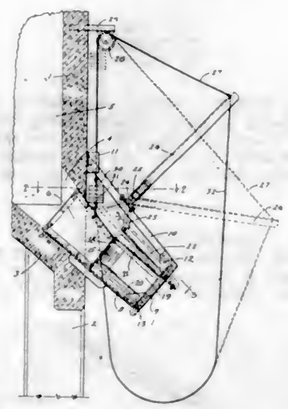
A connecting link for chains comprising a straight body portion, an eye portion formed at one end thereof and permanently secured to a chain link, an upstanding neck portion at the other end of said body portion, said several link portions being of substantially uniform diameter, and a flat semi-circular head placed substantially perpendicularly to said neck portion, and projecting beyond the rear and sides of the neck portion and having a straight front edge flush with the front side of the neck portion.

1,583,030. ADJUSTABLE SEAT. KENNA D. THOMPSON, Brooklyn, N. Y. Filed Jan. 2, 1926. Serial No. 78,921. 3 Claims. (Cl. 155—14.)



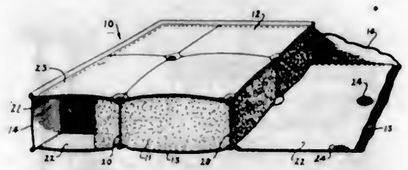
1. In an adjustable seat, a base adapted to be secured to a support, said base having a slot therein, a clamping plate under the base, threaded fastenings in the plate projecting through the slot of the base, a standard having an angularly disposed portion slidable on the base and having an aperture to receive one of the fastenings, a brace secured to the standard and having an angularly disposed portion slidable on the base and provided with an aperture to receive another of the said fastenings, means engaging the fastenings for binding the clamping plate and the angularly disposed portions of the standard and brace in engagement with the base, a bracket secured to the standard near its top and having threaded apertures, a threaded rod adapted to be adjusted in the apertures of the bracket, and a seat on the said rod.

1,583,031. COAL-CHUTE GATE. EDWIN A. TITUS, Moline, Ill. Filed Mar. 12, 1925. Serial No. 14,910. 4 Claims. (Cl. 221—144.)



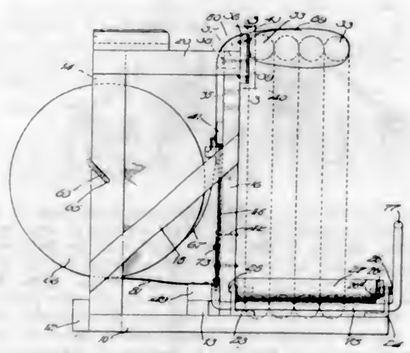
1. In combination with the discharge chute of a coal storage bin, a pair of frames pivoted at the sides of the chute and projected rearwardly therein, gates fixed to said frames so as to normally close the passage-way in said chute, and capable of transverse movement to or from each other, plates carried by said frames, at approximately a right angle with said gates, and forming the side walls of the chute when the gates are fully open, and means for actuating said gates to open or close the same.

1,583,032. MATTRESS. JAMES FRANCIS TRASK, Los Angeles, Calif. Filed Mar. 2, 1925. Serial No. 12,688. 3 Claims. (Cl. 5—355.)



1. A mattress construction comprising top and bottom fabric coverings connected by side and end fabric walls, a flexible filling enclosed by said coverings, a plurality of vertical tufting cords connecting the top and bottom cover members and passing through the flexible filling, and a fabric sheet of smaller area than the top and bottom coverings secured to their oppositely disposed faces along their edges and out of contact with the tufting cords, whereby when the filling of the mattress is compacted by use the fabric sheets will prevent the top and bottom fabric coverings from stretching.

1,583,033. PACKAGE-STRAPPING BENCH. SIDNEY W. TREAT and ALF G. ROSNES, Chicago, Ill., assignors to Signode System, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 3, 1922. Serial No. 558,058. 16 Claims. (Cl. 100—31.)

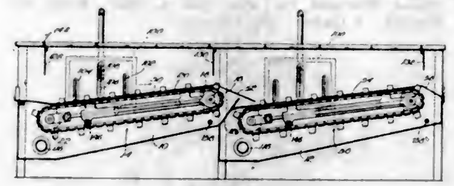


1. In a package strapping device, a support for a bundle of tires, and a knurled strap engaging plate against which the strap is pressed by the inner side of the bundle.

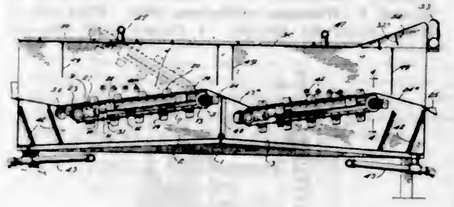
15. In a package strapping device, a support including a roller having a pintle projecting from one end thereof, a bracket having a series of notches, in any one of which said pintle may be placed, and means mounted on said pintle for preventing the rotation of said roller in one direction.

1,583,034. HYDRAULIC CAN WASHER AND DRIER. THEODORE L. VALERIUS and OLAF LARSEN, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 9, 1920. Serial No. 409,172. 5 Claims. (Cl. 141—7.)

3. In a device of the class described, a tank adapted to contain washing fluid, an inclined track removably positioned in said tank and having longitudinal spaces therein, a forwarder in said tank positioned beneath said track and having projecting portions extending through said spaces adapted to engage articles on said track and roll them along the same, said forwarder being detachably supported at one end and pivotally supported at the other end to enable it to be swung upward and partially out of said tank, and laterally positioned jet devices adapted to spray washing fluid upon the articles moving along said track.

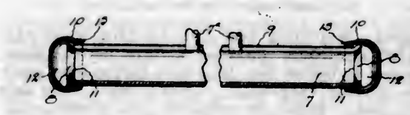


1,583,035. HYDRAULIC CAN WASHER. THEODORE L. VALERIUS, Waukegan, Ill., and OLAF LARSEN, Fort Atkinson, Wis., assignors to Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,035. 2 Claims. (Cl. 198—173.)



1. In a device of the class described, a frame, a pair of shafts operatively mounted at opposite ends of said frame, a forwarder belt operatively supported by said shafts, a series of spaced bars mounted transversely on said belt, a plurality of laterally spaced stationary slats extending longitudinally of said belt, said slats overlying said bars and being supported thereon, and a plurality of followers mounted on said bars adapted to project through and pass along the spaces between said slats by the operation of said belt.

1,583,036. BINDER. RICHARD M. VAN VALKENBURGH, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed July 3, 1925. Serial No. 41,379. 8 Claims. (Cl. 129—12.)

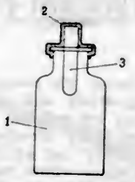


1. In a binder, a binder bar adapted to support sheet engaging posts, comprising a body having its ends flared.

1,583,037. WOOD TREATMENT. WARREN M. WEBSTER, Oakland, Calif. Filed Nov. 28, 1924. Serial No. 752,742. 3 Claims. (Cl. 41—26.)

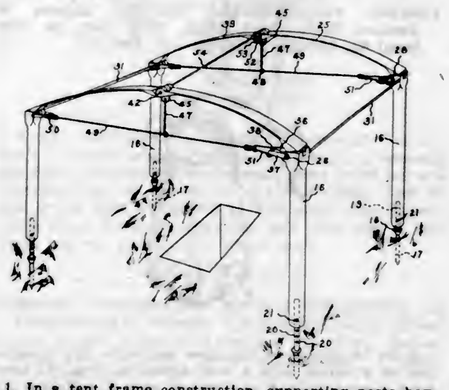
1. The process of treating wood to form pictures thereon which consists in forming the picture of lines all of which run in the direction of the grain of the wood, and covering the picture with colored varnish.

1,583,038. BOTTLE CLOSURE. KONRAD WEIL, Berlin, Germany. Filed June 9, 1925. Serial No. 35,967. 2 Claims. (Cl. 215—6.)



1. In a device of the kind described the combination with an outer container and an additional container at the interior thereof, of flexible closing means in common for both containers and adapted to detachably contain the interior container and to release the same upon pressure on the flexible closing means.

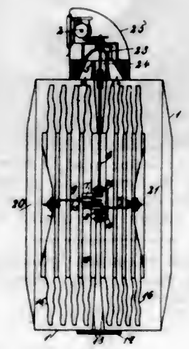
1,583,039. TENT. CECIL M. WICKSTRUM, Omaha, Nebr. Filed Feb. 23, 1923. Serial No. 620,620. 3 Claims. (Cl. 135—4.)



1. In a tent frame construction, supporting posts having openings, angle irons having shafts, said shafts adapted to pass through the openings of the posts, arms

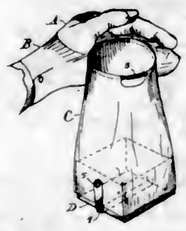
pivotally connected to the supporting posts, by the shafts, said angle irons having openings, connecting rods having laterally extended arms formed with openings, said laterally extended arms adapted to pass through the openings of the angle irons, said pivoted arms having openings, and locking pins extending through the laterally extended arms and adapted to pass into the openings of the pivoted arm for securing the supporting posts against movement.

1,583,040. DRY GAS METER. GUIDO WÜNSCH, Friedenau, Germany, assignor to Carl Bamberg, Friedenau, near Berlin, Germany. Filed Dec. 6, 1920. Serial No. 428,807. 4 Claims. (Cl. 73—1.)



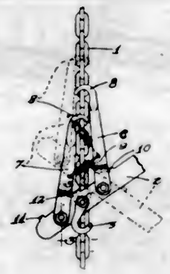
1. In a dry gas meter, the combination with a casing, of two bellows within said casing, each of said bellows being open at one end and closed at its other end, the two bellows being arranged with their open ends opposite each other and attached to the casing so as to divide the space within the casing into three measuring chambers, inlet and outlet means for the chambers, one of said chambers being formed by the bellows and the portion of the casing walls comprised between said open ends, a crank and link mechanism operably associated with the bellows, a rod operably connected to said mechanism, and a gas distributing valve operably connected to the rod and movably to control the gas inlet and outlet means of said measuring chambers.

1,583,041. FRUIT-PICKING MITTEN. ARTHUR W. HERRICK, Battle Creek, Mich. Filed Sept. 16, 1925. Serial No. 56,702. 2 Claims. (Cl. 150—2.)



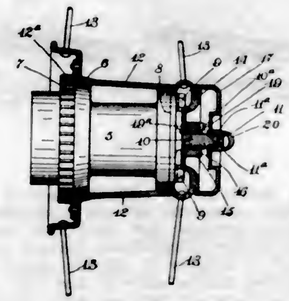
2. In an article of the class set forth, the combination of a mitten with a sack depending from the inner hand portion thereof and formed with a stiffening rim at its mouth opening opposite to that portion not attached to said hand portion, said sack having an open bottom with an extension at one side thereof and means at the opposite side of said bottom for engaging said extension for detachably opening and closing said bottom.

1,583,042. TOGGLE-HOISTING APPARATUS. ISAAC HILLS, Elmhurst, Ill. Filed Feb. 4, 1922. Serial No. 534,016. 1 Claim. (Cl. 254—81.)



A mechanism of the class described comprising a lever, load supporting means thereon, a hook pivoted on the lever on each side of said load supporting means, resilient means connected between the hooks, and stops on the lever between and outside the hooks.

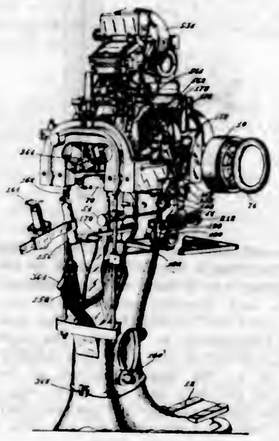
1,583,043. DETACHABLE WHEEL HUB. CHARLES O. HOWARD, Columbus, Ohio, assignor of one-half to Thomas K. Wissinger, Columbus, Ohio. Filed Oct. 2, 1925. Serial No. 600,005. 8 Claims. (Cl. 301—9.)



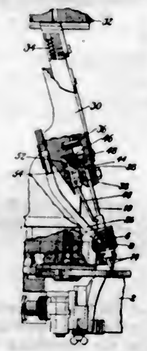
4. In means of the kind described, a permanent hub part having a threaded stem, a removable hub part non-rotatively engaged with the permanent hub part, a retainer plate in non-rotative engagement with said stem and removable hub part, a nut threaded on said stem and securing said plate to the permanent hub part, a hub cap also in engagement with said permanent hub part, a nut latching member between said hub cap and nut to latch said nut from rotation, and means for securing said hub cap in nut latching position.

1,583,044. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. CHARLES H. HOYT, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 23, 1921. Serial No. 487,098. 83 Claims. (Cl. 12—4.)

1. In a machine of the class described, the combination with shoe positioning means, of means for wiping the margin of the upper into lasted position about an end of the shoe, a plurality of tackers at each side of the end of the shoe mounted independently of one another for inward movements into position for fastening the margin of the upper, and a common operating mechanism connected to the different tackers at each side of the shoe to move them inwardly together.

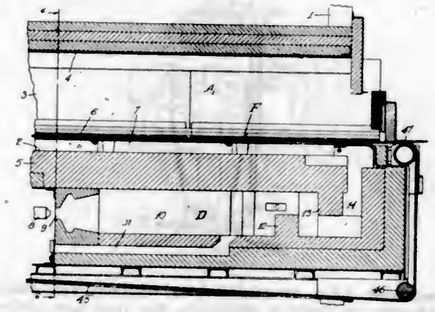


1,583,045. FASTENING MECHANISM. CHARLES H. HOYT, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed July 23, 1921, Serial No. 487,098. Divided and this application filed Nov. 17, 1922. Serial No. 601,594. 11 Claims. (Cl. 1—18.1.)



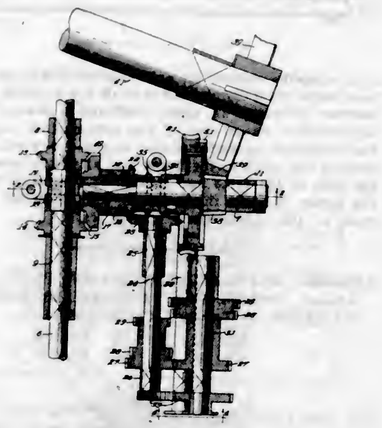
1. In mechanism of the class described, a member mounted for reciprocatory movement to drive a fastening and then to retract form the work, a holder for the fastening mounted for movement toward and from the work, a slide mounted independently of said holder at one side of the driving member and connected to the holder for moving it toward and from the work, and means for rendering said driving member effective in its retractive movement to operate said slide and thereby move said holder away from the work.

1,583,046. LEER FOR ANNEALING GLASSWARE. HENRY W. INGLE, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 31, 1925. Serial No. 19,613. 13 Claims. (Cl. 49—47.)



1. A glass annealing leer comprising a tunnel having a heated floor, and an endless carrier having one side of its ware-bearing stand in direct contact with said floor and the other side thereof in direct contact with the ware.

1,583,047. GEARING. JOHN R. JOHNSON and ALFRED M. WASBAUER, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,838. 19 Claims. (Cl. 74—57.)

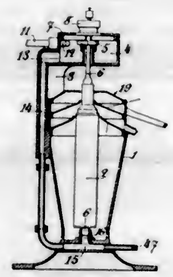


1. The combination of a driving shaft and a driven shaft in co-planar and right angle relation, a reversing connection between the driving shaft and a rapid traverse part loose on the driven shaft, a worm gear loose on said driven shaft and driven by said rapid traverse part, and a clutch for connecting either said worm gear or said rapid traverse part to the driven shaft.

1,583,048. SEPARATING DEVICE OPERATING BY CENTRIFUGAL FORCE. STEPHAN KARPINSKY, Sevres, and JAMES STEWART ANDERSON, St. Ouen, France. Filed Jan. 16, 1924. Serial No. 686,685. 1 Claim. (Cl. 233—24.)

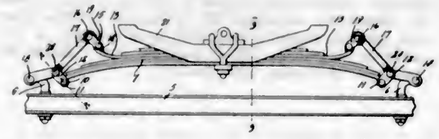
In a centrifugal separating device for complex liquid products, the combination of a rotating separator for the

treatment of the complex liquid in the usual manner, a turbine with blades acted upon by the as yet untreated liquid under pressure, the said turbine and the said



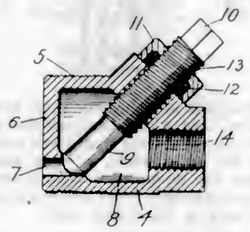
separator being directly coupled together, and means whereby the liquid is enabled to flow from said turbine into the said separator.

1,583,049. SHOCK ABSORBER FOR FORD CARS. DAVID SETH KELLAM, Walterboro, S. C. Filed Aug. 24, 1923. Serial No. 659,210. 1 Claim. (Cl. 267—19.)



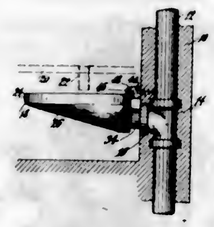
In a spring device, an axle, perches supported on the axle, arms pivotally connected with the perches, a spring member including an upper leaf and a lower leaf and intermediate leaves, one of the intermediate leaves having upwardly extended ends, means for pivotally connecting the arms to the lower leaf at points intermediate the ends of the arms and means for pivotally connecting the upper ends of the arms to the upwardly extended ends of the intermediate spring leaf.

1,583,050. REGULATING RADIATOR PLUG. JAY H. KELLER, Portland, Oreg. Filed Apr. 18, 1925. Serial No. 24,056. 3 Claims. (Cl. 251—155.)



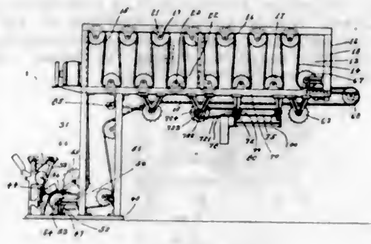
2. A radiator plug comprising a body adapted to enter a radiator and having an inner vertical wall, a valve seat at the bottom end of said wall, said seat being integral with the wall and at an angle thereto, and a second wall parallel to the seat, said second wall being thickened and carrying a valve stem and head cooperating with the seat.

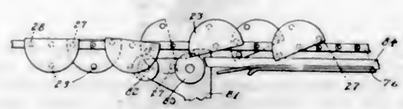
1,583,051. DRAINAGE APPARATUS FOR REFRIGERATORS. EDWARD KENNEDY, New York, N. Y. Filed Feb. 8, 1922. Serial No. 534,879. 3 Claims. (Cl. 137—21.)



1. In combination with a drain pipe arranged in the wall of a building, a nipple connected to the drain pipe and extending into a room of the building, said nipple having one end threaded and screwed into the drain pipe, the other end oppositely threaded and tapered, a drip pan constructed to fit over the tapered end of the nipple, a guard in the form of a thimble constructed to screw on to the tapered portion of the nipple on the inside of the drip pan, the upper edge of the rear wall of the drip pan having upwardly extending ears to receive lugs or bolts whereby the drip pan is prevented from rocking on the nipple.

1,583,052. DOUGH-PROOFING MACHINE. WILLIAM G. KIRCHHOFF, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 26, 1923. Serial No. 634,897. 6 Claims. (Cl. 198—145.)





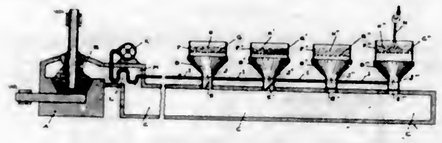
1. In a device of the class described, the combination with an endless chain and invertible trays carried by the chain, of means for depositing lumps of dough and the like in the trays, and a discharge device comprising means for inverting the trays, and a belt for receiving dough from the inverted trays, the belt, when receiving dough, moving in the same direction and at the same rate of speed as do the inverted trays.

5. In a device of the class described the combination with an endless chain, and trays carried by the chain and mounted for inversion, the one end of each tray having a lug at its forward upper end and a second lug at its lower central portion, of an inverting device comprising a pair of spaced rollers in substantial horizontal alignment, the one roller being mounted for engagement upon the lower central lug for tilting of the tray whereby the upper forward lug is moved downwardly, the second roller being positioned for engagement by the upper and forward lug for continuing the tilting of the trays to an inverted position, both rollers being free to move with the lugs as the tray is moved beyond the rollers, and a bar for receiving from the second roller the lug in engagement therewith for retaining the tray in an inverted position.

1,583,053. METHOD OF RECOVERING VANADIUM COMPOUNDS FROM IRON ORES CONTAINING VANADIUM AND TITANIUM. BJÖRN PER FERDINAND KJELLBERG, Stockholm, Sweden. Filed May 6, 1925. Serial No. 28,509. 5 Claims. (Cl. 23—16.)

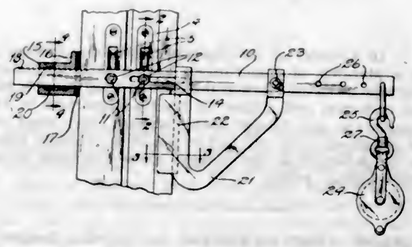
1. Method of recovering vanadium compounds from iron ores containing vanadium and titanium, consisting in roasting the ore in such a manner that the oxidation of the vanadium compounds wholly up to the stage of V_2O_5 is avoided, and treating the roasted product with a dissolving agent for the vanadium compounds.

1,583,054. PROCESS FOR THE PRODUCTION OF SUPERPHOSPHATES. BETHUNE G. KLUGH, Anniston, Ala., assignor to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Filed Dec. 7, 1920. Serial No. 429,019. 16 Claims. (Cl. 71—7.)



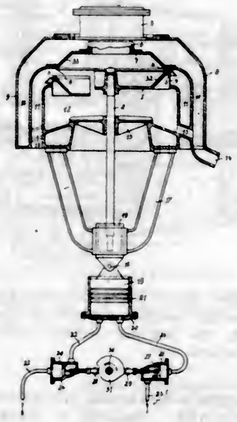
1. The hereindescribed process consisting in conducting phosphoric oxide bearing gases through a mass of finely divided materials chemically active to said phosphoric oxide to deposit the phosphoric oxide in the bed, and then passing heated air through said filter bed to accelerate the chemical reaction thereof.

1,583,055. WINDOW ATTACHMENT. ALFRED M. LANE, St. Louis, Mo., assignor to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 5, 1925. Serial No. 13,141. 6 Claims. (Cl. 248—30.)



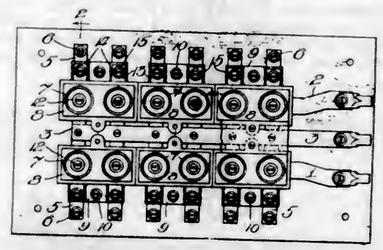
1. A hoisting device adapted to be used in a window frame provided with a sash pulley opening, said device comprising a beam adapted to be positioned within said window frame and members on said beam adapted to engage the inner and outer faces of said window frame, said beam being provided with a lateral projecting portion adapted to engage the sash pulley opening of said window frame.

1,583,056. PERMANENTLY-ACTING CENTRIFUGAL MACHINE. THEODOR LANGENBERG, Berlin, Germany, assignor to the Firm of C. A. Fesca & Sohn, Berlin, Germany. Filed May 9, 1925. Serial No. 29,134. 4 Claims. (Cl. 210—73.)



1. A permanently acting centrifugal machine comprising in combination an upper perforated straining cup, rotatable but fixed against longitudinal movement, a lower straining cup, displaceable axially, means to rotate said lower cup, friction surfaces on the facing edges of said cups to drive the upper one from the lower when they are engaged and automatic means to periodically engage and disengage said lower cup from said upper cup.

1,583,057. CUTOUT PANEL. EDWARD J. LANG, Cicero, Ill. Filed Oct. 20, 1924. Serial No. 744,691. 5 Claims. (Cl. 175—369.)

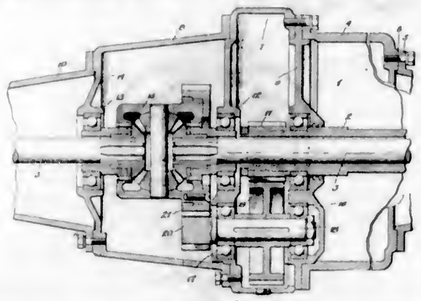


1. A cutout panel comprising two main bus bars, fuse receptacles distributed along each bar and electrically connected therewith, a terminal for a feed wire associated with each receptacle, a second terminal arranged directly below and spaced apart from each of the aforesaid terminals, and means connecting said second terminals to a neutral conductor.

1,583,058. DRIVE UNIT. ALFONSO M. LEONI, Philadelphia, Pa., assignor to Electromotive Devices, Inc., Philadelphia, Pa., a Corporation of New Jersey. Filed Mar. 22, 1922. Serial No. 545,801. 3 Claims. (Cl. 74—99.)

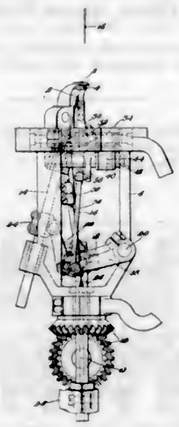
1. A drive unit including a rear axle assembly including a motor casing, a gear case, and a differential housing alined in such assembly, each being divided from the others by closures for the part, a differential having

bearing in two such closures, a motor shaft having bearing in another of such closures to maintain alinement, a first reduction arranged in the gear case and driven



from the motor shaft, and a second reduction arranged in the differential housing and driven from the first reduction with the driving element having bearing in two such closures.

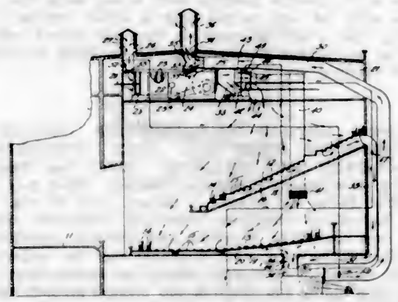
1,583,059. STITCH-FORMING MECHANISM FOR SEWING MACHINES. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,184. 7 Claims. (Cl. 112—157.)



1. A stitch forming mechanism having, in combination, a looper, a vertical looper lever on the upper end of which the looper is carried, a carrier lever having a transverse pivot on which the looper lever is mounted, an actuator, a link connecting the actuator with the looper lever to swing the lever on its pivot and a cam operated from the actuator for rocking the carrier lever to move the looper lever transversely of its swinging movement.

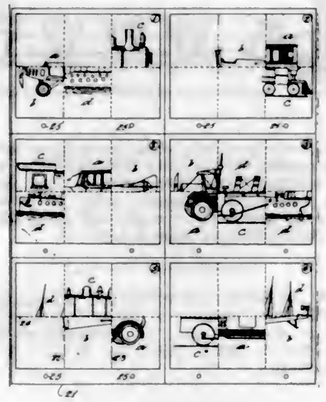
1,583,060. METHOD OF AND APPARATUS FOR COOLING AND VENTILATING. LEO L. LEWIS, Plainfield, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Dec. 22, 1924. Serial No. 757,389. 12 Claims. (Cl. 236—44.)

1. The method of ventilating an enclosure in which people assemble, which includes withdrawing air from said enclosure, conditioning fresh air to provide air having a dew point lower than the dew point of the withdrawn air, mixing said conditioned fresh air with air withdrawn from the enclosure and delivering the mixed air to the



enclosure, and varying the proportions of said fresh air in the mixture in accordance with changes in the number of people in the enclosure.

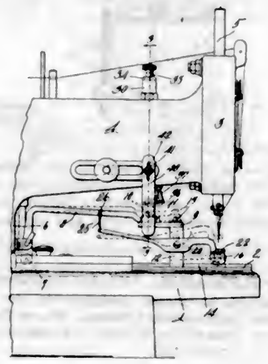
1,583,061. EDUCATIONAL DEVICE. MATTHEW H. LOUGHRIDGE, Bogota, N. J. Filed July 5, 1922. Serial No. 573,045. 8 Claims. (Cl. 35—12.)



1. In a device of the class described, the combination of a plurality of bound leaves having parts of different pictures in mixed relation thereon, an identification mark for each part and a sheet of tracing paper held in fixed relation to said bound leaves whereby said sheet may be positioned over any leaf to enable a complete picture to be drawn from the various parts according to said identification marks.

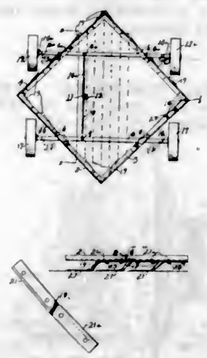
1,583,062. BUTTON-SEWING MACHINE. ROBERT L. LYONS, Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1924, Serial No. 695,660. Renewed Nov. 20, 1924. 4 Claims. (Cl. 112—114.)

1. In a machine of the class described, a work plate, a button clamp movable toward and from said plate, said button clamp comprising a lower jaw having a recess to receive the edge of a one hole button, a lever pivoted to said lower jaw, the outer end of said lever being formed as an upper jaw cooperating with said lower jaw to clamp the button therebetween, and a fixed abutment against which said lever impinges on the in-



ner side of its pivot as said clamp is moved away from said work plate to a predetermined extent, to release the button on further movement of said clamp in the same direction.

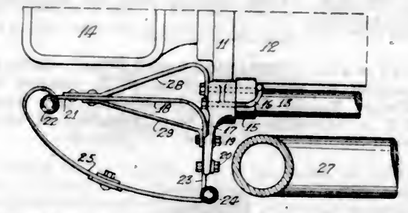
1,583,063. WEED CUTTER. CHARLES J. MANKEL, near San Jose, Calif. Filed June 14, 1923. Serial No. 645,330. 1 Claim. (Cl. 97—207.)



A weed cutter comprising a frame mounted to move in a horizontal plane, and a plurality of knives removably mounted thereon, each knife having two end portions offset a distance from each other and lying in substantially parallel planes and a connecting central portion, each end portion having one of its longer and outer edges sharpened to a cutting edge, the two cutting edges being oppositely directed, and said end portions being angularly arranged with relation to each other.

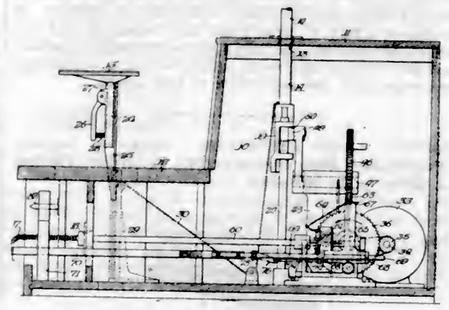
1,583,064. AUTOMOBILE BUMPER AND BRACKET. JOSEPH J. MASCUCH, East Orange, N. J. Filed June 15, 1925. Serial No. 37,398. 7 Claims. (Cl. 293—55.)

1. In an automobile bumper of the class described, the combination of a bracket secured to the vehicle frame, an arm bent at right angles supported by said bracket, an impact member comprising a pair of parallel bars



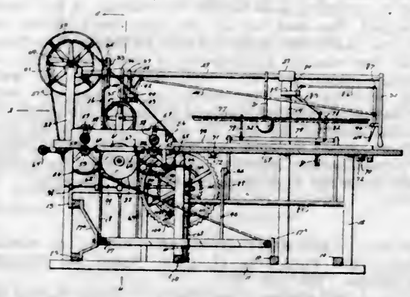
held in vertical relation by end posts, said arm connecting at each end to said end posts and spaced members secured to said bracket for reinforcing said arm.

1,583,065. SHOE-POLISHING APPARATUS. NICHOLAS S. MILLER, Chicago, Ill., assignor to Joseph Bondi, Chicago, Ill. Filed Apr. 18, 1922. Serial No. 554,763. 12 Claims. (Cl. 15—34.)



1. In an apparatus of the character set forth, a seat, and mechanism for raising and lowering the same including a constant speed prime mover, said mechanism imparting to the seat a variable movement in either direction characterized by an acceleration and a retardation at its commencement and completion respectively.

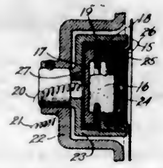
1,583,066. STAVE JOINTER. WALTER S. MINOR, Cunningham, Tenn. Filed Aug. 2, 1924. Serial No. 729,805. 16 Claims. (Cl. 147—27.)



1. A stave jointer including two saws disposed in planes at all times radial to a common center, manually operable means for adjusting the saws toward or from each other, power operated means for automatically shifting the saws with relation to each other including a reciprocating cam, a cam operating power driven element, and means acting to automatically connect the cam

to the power driven element when the stave is about to engage the saws and automatically disconnect the cam from the power driven element when the stave has passed the saws.

1,583,067. VIBRATION-RESPONSIVE DEVICE. CHARLES R. MOORE, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1923. Serial No. 627,729. 6 Claims. (Cl. 274—25.)



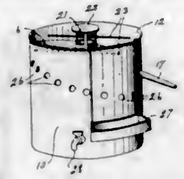
4. A vibration responsive device comprising a driving member, a driven member, and an air-damped coupling device between said members comprising a plurality of juxtaposed layers of thin metal foil loosely packed between said members and arranged to transmit vibrations from said driving member to said driven member through the compression and separation of said layers.

1,583,068. LAWN SPRINKLER. LEWEN R. NELSON, Peoria, Ill. Filed June 9, 1924. Serial No. 718,720. 1 Claim. (Cl. 299—19.)

A lawn sprinkler comprising a base of substantially semicircular form having a marginal edge upon the ground, a top of similar contour including an integral side wall and an integral rear straight wall, both being brought down from the said top upon the margin of said bottom and secured thereto, the space within the walls and between said bottom and top being a full receiving space for water, a hose connection secured in the said rear wall at the middle of the length thereof opening into the body-space, said rear wall being reduced in height at each side of the position of said hose connection, the said top of the body being domed at said rear wall and being reduced in height therefrom in all directions in a succession of concentric zones of varying contour, the zone adjacent the said side wall being inwardly and downwardly curved into said wall and having perforations arranged therein concentric to the said dome of the top, the area of the said top and the said bottom together with the said side wall extending a considerable distance rearwardly from the center about which the lines of perforations are arranged.

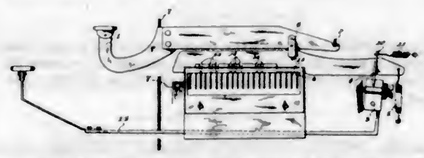
1,583,069. CREAMERY UTENSIL. CURTIS A. NOBIS, Barry, Ill. Filed July 17, 1924. Serial No. 726,532. 4 Claims. (Cl. 141—7.)

1. A creamery utensil comprising a casing having an open top, a partition extending across the casing midway the ends thereof and forming in the lower end of the casing a water compartment, said partition having extending upwardly therefrom approximately centrally thereof a spout, a drain spout leading from one side of the casing above the partition, a baffle extending across the casing above the partition and inclining downwardly toward the drain spout, said baffle having a spout extending upwardly therefrom and into which the spout of the partition extends in spaced relation to the walls



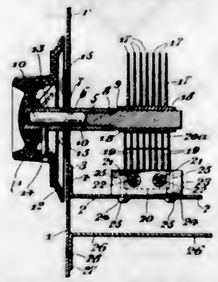
thereof, a spreader plate carried by the upper end of the spout of the baffle plate and overlying the upper end of the partition spout, and openings formed in the side wall of the casing between the baffle and partition.

1,583,070. PERFORATOR. YUICHI OKAMOTO, Tokyo, Japan, assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Feb. 4, 1924. Serial No. 690,498. 6 Claims. (Cl. 164—112.)



1. A perforator comprising a plurality of punch controlling selectors, a plurality of members arranged to control such punch selectors in varying combinations, and means for shifting said members with relation to said punch selectors in a manner to change the combinations controlled by said members.

1,583,071. PANEL CONDENSER. ARTHUR ATWATER KENT, Ardmore, Pa. Filed May 12, 1925. Serial No. 29,657. 15 Claims. (Cl. 250—41.)

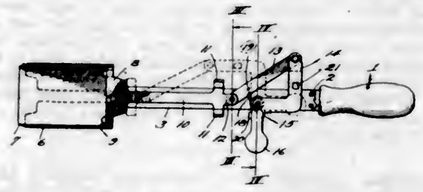


1. The combination with a panel, of rotor and stator elements of a condenser, means for supporting said rotor elements, and means for supporting said stator element comprising a supporting member secured to said panel, a member intermediate said supporting member and said stator element, and means adjustably securing said intermediate member to said supporting member.

1,583,072. ICE-CREAM DIPPER MOLD. HERMAN LANDMAN, Kansas City, Mo. Filed May 18, 1925. Serial No. 30,995. 2 Claims. (Cl. 107—48.)

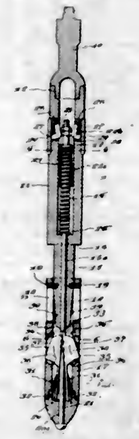
1. The combination in a device for cutting slabs from a mass of ice cream and ejecting such slabs, of a pair of cooperating elements, one comprising a hollow head

open at both ends, and provided with arms extending rearwardly from the opposite sides of the head and equipped at their rear ends with a handle, and the other comprising a plunger fitting in the hollow head; said elements providing an opening for the escape of air from the head when the plunger is at the rear end of the



head, guiding means for the plunger, fitting slidingly on said arms, a manually-operable angle lever between the arms, a pin secured to the lever and detachably pivoted to said arms, and a link pivotally connected at its end to transmit power between the lever and the plunger to cause the operation of one to effect the operation of the other.

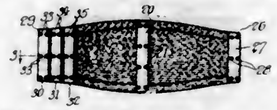
1,583,073. UNDERREAMER. C EDWARD LAWSON, Garber, Okla. Filed Nov. 19, 1925. Serial No. 70,021. 4 Claims. (Cl. 255—75.)



1. An under-reamer comprising a body portion having a longitudinal bore, a tubular member slidably connected to said body portion and having side slots, cutters mounted within said tubular member, said cutters having a configuration conforming to said slots in cross-section, a head operatively mounted within said tubular member and having its lower side portions provided with a double-cam surface, and a spring-pressed rod operating within the bore in said body portion and adapted to force said head into engagement with said cutters for expanding the same.

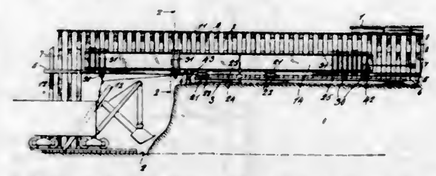
1,583,074. ATHLETIC GARMENT. DAVID LEVINSON, Chicago, Ill., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1923. Serial No. 613,102. 1 Claim. (Cl. 2—23.)

An elastic band adapted to be secured to a garment and encircle the limb of a person, said band being arranged outside of the garment, said band having a reinforcing strip and parallel rows of eyelets in said strip to receive a lacing whereby the band may be laced to the garment, said reinforcing strip being disposed transversely of said band substantially midway of the ends of said band, a series of parallel rows of eyelets at one end of the band, and a plurality of series of parallel rows



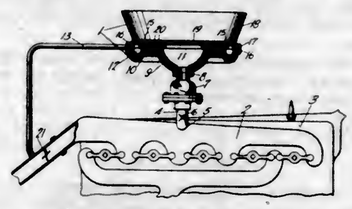
of eyelets at the opposite end of the band, all of the rows of eyelets being arranged transversely of the band, the eyelets in the ends of the bands permitting variations of adjustment of said band.

1,583,075. METHOD AND APPARATUS FOR SUPPORTING TIMBERING IN TUNNELS. GEORGE LEWIS, Denver, Colo., assignor of one-half to Peter Seerie. Filed June 5, 1925. Serial No. 35,166. 9 Claims. (Cl. 61—84.)



1. The method of supporting the roof timbering, in a tunnel having a top heading, while the tunnel is cut to proper depth and until the permanent plumb posts are set which consists in supporting a cantilever bar from the floor of the heading, anchoring the front end of said bar to the walls of the tunnel heading so that it can not move upwardly and supporting a portion of said timbering from the rear end of said bar.

1,583,076. APPARATUS FOR HEATING COOKING ELEMENTS. FREDERICK A. LITTER, Columbus, Ohio. Filed Mar. 19, 1924. Serial No. 700,240. 8 Claims. (Cl. 126—20.)

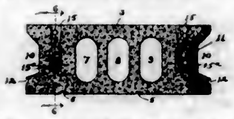


1. In combination with an internal combustion engine, an element provided with annular corrugations, means for conducting exhaust gases from said engine to the center of said element and a cooking utensil provided with annular corrugations and adapted to cooperate with the corrugations of said element for forming a radial passageway for the gases.

1,583,077. NAILING KEY FOR CEMENT BLOCKS. EDWARD A. LONG, New Castle, Pa. Filed May 1, 1925. Serial No. 27,295. 1 Claim. (Cl. 72—105.)

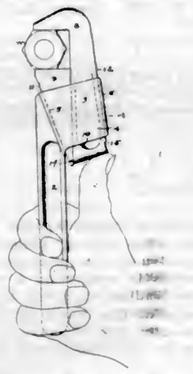
In combination with a cement building block, sets of wooden keys imbedded in said block, each set comprising two keys, each set of keys being located parallel with the other set of keys and all of the keys being located a short distance from the ends of the block, each of said keys consisting of a base portion, a body portion, and a head portion, the body portion of each key being formed

tapering on two opposite sides and extending from the base to the head, the diameter of the head being the same in each direction as is the base, one end of each key being located even with one surface of the



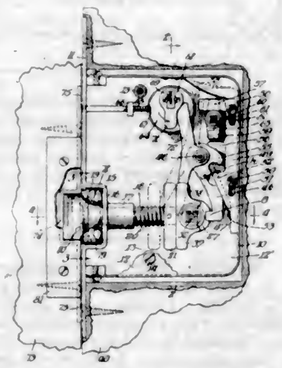
block, each key being located with one of its ends exposed to a surface of the block different from that of the other key of the same set, whereby the keys of each set will be located at right-angles to each other.

1,583,078. WRENCH. JOHN R. LONG, Akron, Ohio, assignor to Angelus Specialty Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 4, 1924. Serial No. 741,573. 4 Claims. (Cl. 81—154.)



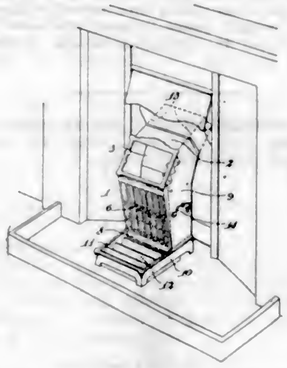
1. A wrench, comprising a handle having an integral yoke at one end formed with a flaring opening extending obliquely toward the outer end of the handle, and a pair of movable jaws having wedge-shaped shanks extending through said opening and projecting over the back of said handle the end of one shank being exposed to permit the thumb to engage and shift the same.

1,583,079. DOOR LOCK. WILLIAM A. LURIE, New Orleans, La. Filed Apr. 12, 1924. Serial No. 705,984. 1 Claim. (Cl. 70—46.)



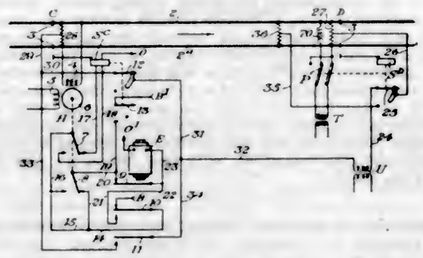
In door locking mechanism, the combination of a lock frame, a locking bolt within said frame extending to the exterior thereof and having a locking head at its outer end, means tending to hold said bolt inwardly, a cam member adapted to be rotated into engagement with said locking bar to shift it outwardly, means for controlling said cam member from the exterior of the door lock, there being a notch in said cam member, a latch lever, a slidable cam bar having an inclined surface, a spring normally shifting said bar with its inclined surface against said lever to hold the end of said lever in said notch whereby preventing turning of said cam member, and a release member within said lock frame operable from the exterior thereof for engaging with said bar to shift it to first release it from said latch lever and then to cause it to engage with and positively move said latch lever clear of said cam member to thereby permit turning of said cam member.

1,583,080. FIREPLACE. THEOPHILUS SEPTIMUS MCCALLUM, Leeds, England, assignor to Stephen Delmar Morgan, London, England. Filed July 17, 1923. Serial No. 652,172. 4 Claims. (Cl. 126—126.)



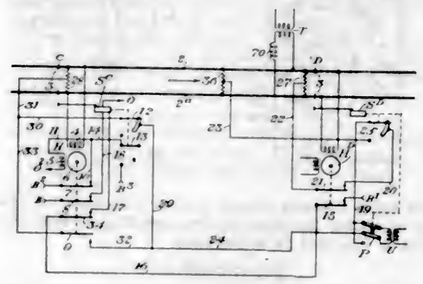
1. A stove of the class described comprising a firebox including an upright body and a rearwardly extending upwardly inclined canopy with a fuel receiving draft controlling opening in its front wall adjacent the angle between it and said body, the front wall of said body below said opening being provided with a grate.

1,583,081. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, and FRANK H. NICHOLSON, Philadelphia, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 26, 1924. Serial No. 728,479. 8 Claims. (Cl. 246—34.)



6. In combination, a section of railway track provided with a track relay, a line circuit for said section including the track rails of the section in multiple, and means operating if said relay becomes closed by line circuit current when the section is occupied to open the line circuit and keep it open until the section becomes unoccupied.

1,583,082. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Substitute for application Serial No. 292,139, filed Apr. 23, 1919. This application filed July 26, 1924. Serial No. 728,485. 9 Claims. (Cl. 246—37.)



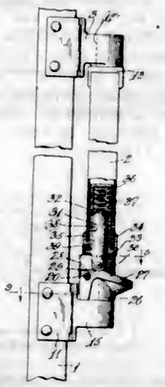
1. In combination, a section of railway track, a track relay having a track winding and a local winding, a track circuit including said track winding and a source of current both of which are connected across the rails of said section, a signal for said section controlled by said track relay, a circuit for the local winding of said track relay including a front contact of the relay, a branch for said local winding circuit around said relay contact and including a contact which is closed or open according as said signal indicates stop or proceed, and a line circuit including the two rails of said section in multiple and having two branches one of which is closed or open according as said signal indicates proceed or stop and the other of which is closed or open according as said relay is de-energized or energized.

1,583,083. COLLAPSIBLE RECEPTACLE. JOSÉ MACARAIG, New York, N. Y. Filed June 17, 1924. Serial No. 720,594. 3 Claims. (Cl. 150—49.)

2. A collapsible bag including a tubular body, a puckered mouth, resilient means within the body for normally urging the same into distended condition, and means engaged in the said mouth and longitudinally of the body for initially closing said mouth and finally collapsing the body.

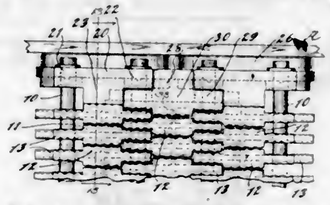
1,583,084. HINGE CONSTRUCTION. ARVID J. MALMBERG, Cleveland, Ohio, assignor to The R. F. Carpenter Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 14, 1919. Serial No. 289,931. 7 Claims. (Cl. 16—154.)

1. A door hinge, comprising a partition-engaging member, a door-engaging member, a cam carried by one of said members, a spring-actuated plunger carried by the other of said members and engaging said cam and normally tending to move said door to a predetermined position, said plunger being provided with an elongated slot



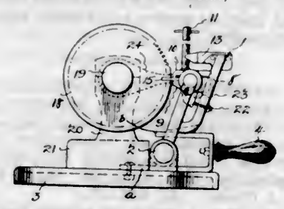
and pin means engaging in said plunger slot for limiting movement of said plunger to thereby limit swinging movement of the door away from said predetermined position.

1,583,085. CHAIN GRATE. DUNCAN GRAHAM MEIKLEREID, Lee, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corpoartion of New Jersey. Filed May 13, 1919. Serial No. 296,822. 12 Claims. (Cl. 110—40.)



1. A chain grate comprising links pivotally connected together and each formed with a relatively wide surface portion and a relatively narrow supporting web, said webs being provided at parts intermediate vertical planes through the pivotal points of said links with laterally extending ribs limited in extent by the edges of said surface portions and forming a practically continuous transverse rib on the inside of the chain and across the major portion thereof.

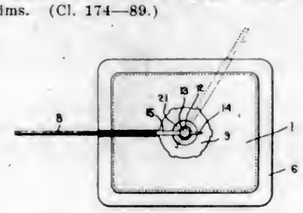
1,583,086. MACHINE FOR CUTTING KEYS AND THE LIKE. ROBERT O. MILLER and PHILIP F. MILLER, Derby, Conn.; said Philip F. Miller assignor to said Robert O. Miller. Filed July 29, 1924. Serial No. 728,900. 3 Claims. (Cl. 90—13.2.)



1. A machine of the class described having a frame member; a support therefor; an auxiliary member carried by said frame arranged to be movable independently of said frame, clamping devices carried by said auxiliary

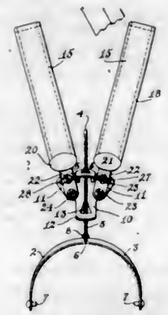
member arranged to hold a work piece and templet in a definite angle and in precise alignment with each other, and a series of gauge members carried by said frame member arranged to respectively gauge said work piece and templet so as to positively and precisely gauge the location of the latter in the making of either right or left handed keys.

1,583,087. SURFACE ELECTRODE FOR ELECTRICAL THERAPEUTIC APPARATUS. FREDERICK H. MORSE, Boston, Mass. Filed Dec. 19, 1921. Serial No. 523,479. 5 Claims. (Cl. 174—89.)



1. In a surface electrode for an electrical therapeutic apparatus, the combination with a rubber backing, of a pad of absorbent material secured thereto, said pad having a recess in its back face and the rubber backing having an opening aligned with the recess, a socket terminal member secured to the pad and occupying the recess, said terminal member coming substantially flush with the back, a plug terminal member for detachably engaging the socket terminal member, said plug terminal member having a terminal arm rigid therewith and extending parallel to the back face of the pad and to which the circuit wire is secure.

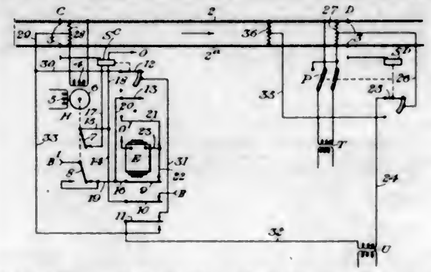
1,583,088. TELEPHONE HEAD SET. WILLIAM J. MURDOCK, Chelsea, Mass. Filed Apr. 18, 1922. Serial No. 554,957. 11 Claims. (Cl. 179—156.)



1. In a device of the class described, a strip folded back on itself in contacting relation to form a shank portion, the ends of said strip beyond said shank portion being spaced apart to receive and support between them a telephone receiver.

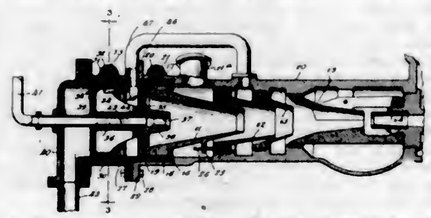
1,583,089. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Philadelphia, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Substitute for application Serial No. 292,127, filed Apr. 23, 1919. This application filed July 26, 1924. Serial No. 728,438. 5 Claims. (Cl. 246—37.)

1. In combination, a section of railway track, a track circuit comprising a source of current and a track relay both of which are connected across the rails of said section, a signal for said section controlled by said track relay, a line circuit including the two rails of said section in multiple, said latter circuit having two branches, means for closing or opening one branch according as



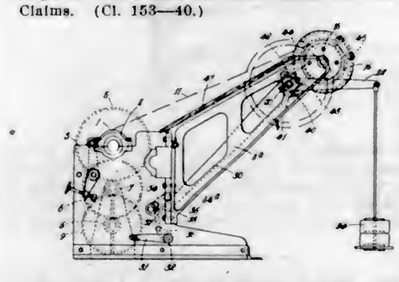
said signal indicates proceed or stop, and means for opening or closing the other branch according as said track relay is energized or de-energized.

1,583,090. INJECTOR. RUDOLF M. OSTERMANN, Evanston, Ill., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 18, 1924. Serial No. 693,451. 16 Claims. (Cl. 162—1.)



1. In a steam injector adapted to be operated by the exhaust steam from an engine, a main exhaust steam nozzle, means to regulate the position of said nozzle to vary the quantity of water passing through said injector, a member adjacent to said main nozzle and co-operating therewith to form a passage for the exhaust steam flowing through said injector and mechanism connected with said member to control automatically the extent of opening of said passage in accordance with variations in the steam exhaust conditions of the engine.

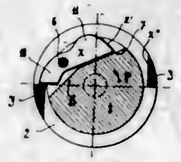
1,583,091. APPARATUS FOR FORMING PRINTING SHEETS IN PREPARATION FOR APPLICATION TO A PRINTING CYLINDER. MALCOLM OWEN, London, England. Filed June 28, 1924. Serial No. 723,038. 5 Claims. (Cl. 153—40.)



1. Apparatus for forming printing sheets in preparation for application to a printing cylinder having a gap comprising the combination with a support, of bearings on the support, a former of segmental section rotatably carried by the bearings the convex surface of said former terminating at each end with a sharp edge, the convex surface being equal in length to the circumference of the

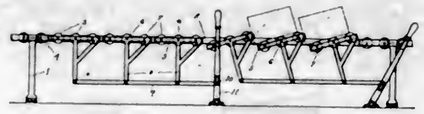
printing cylinder less the width of the gap, gearing for rotating said former, a tensioning device fixed on the support and spaced from the bearings, fastening means for attaching one end of a printing sheet to the tensioning device, anchoring means for detachably connecting the other end of said sheet near one sharp edge of said former, and means for preventing reverse rotation of said former under effort from the tensioning device, the arrangement being such that on rotation of the said former through 360° the sheet is wrapped thereon and both ends are bent over the sharp edges thereof, whereby the ends of the sheet are ready for immediate fixing in the gap of the said printing cylinder.

1,583,092. FREE-WHEEL-COUPLING MECHANISM. THEODOR PANTOFLIČEK, Pilsen, Czechoslovakia. Filed Nov. 1, 1921. Serial No. 512,064. 4 Claims. (Cl. 192—46.)



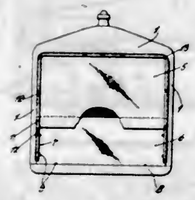
1. In a clutch mechanism of the character described, the combination of a driving element having a channel in a plane perpendicular to the axis of said element, the bottom surface of said channel consisting of straight walls at an angle to each other, a driven element having projections in said plane in register with said channel, said driving element being provided with oscillating means mounted in said channel and arrangement to be engaged at one end during free running movement with said projections to move the opposite end into the path of the projections, the movement of said means being limited by contact thereof with the bottom surface of said channel.

1,583,093. CONVEYER. DONALD PARKER, Fresno, Calif. Filed June 13, 1925. Serial No. 36,808. 6 Claims. (Cl. 193—32.)



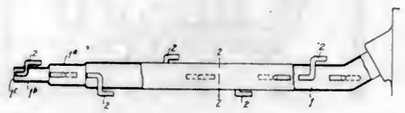
1. A conveyer consisting of a plurality of rotatable conveyer rollers normally disposed with their upper surfaces in substantially the same plane, and means for positioning groups of said conveyer rollers at similar inclinations with the corresponding rollers of adjacent groups in different parallel planes.

1,583,094. RADIATOR SHELL FOR INTERNAL-COMBUSTION ENGINES. ROBERT L. PATE, Springfield, Mo. Filed Feb. 5, 1925. Serial No. 6,031. 5 Claims. (Cl. 257—132.)



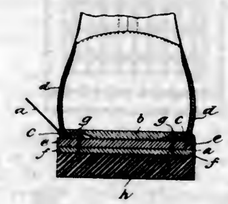
1. A radiator shell adapted to be attached to a radiator core and having its vertical front side portions spaced from the radiator core for the purpose described, and a vertical channel in connection with each of said vertical front side portions, the front and rear walls of each of said channels having gaps therethrough intermediate their upper and lower ends.

1,583,095. MUFFLER FOR EXHAUST GASES. JAMES B. PAYNE, San Diego, Calif., assignor of one-half to P. C. Johnson, San Diego, Calif. Filed July 14, 1921. Serial No. 484,624. 2 Claims. (Cl. 137—160.)



1. In a muffler for exhaust gases, a tubular member open from one end to the other provided with graduated reduced sections near its outlet end only, and a plurality of air inlet tubes open at both ends positioned at intervals therein and extending through the wall thereof, the inner ends of the air inlet tubes extending toward the outlet end of said tubular member and the outer ends extending outwardly past the walls of said tubular member, a short distance only.

1,583,096. SHOE. GEORGE L. PIERCE and OTTO L. HASSEL, Brooklyn, N. Y., assignors to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 2, 1922. Serial No. 557,854. 1 Claim. (Cl. 36—17.)

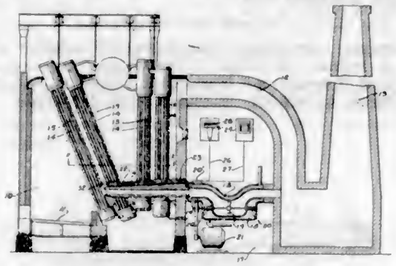


In a shoe structure, in combination with the upper and insole, channels on the under side of the insole formed by lapping the edge of the latter back, an adhesive fabricated welt, stitching passing through and uniting the fabricated welt, the upper and the channeled section of the insole, an outsole, McKay stitching uniting the outsole directly with the insole and passing through the lapped portions of the latter, said stitching falling inside of said first named stitching, and a rubber sole cemented to the outsole, said adhesive welt being adapted to pass down over the outer edge of the outsole and the rubber sole and be cemented thereto.

1,583,097. APPARATUS FOR DETERMINING TEMPERATURES OF FURNACE GASES. FREDERICK D. POTTER, Linden, N. J., assignor to Combustion Control Company, Inc., a Corporation of New York. Filed Jan. 11, 1921. Serial No. 436,622. 7 Claims. (Cl. 73—32.)

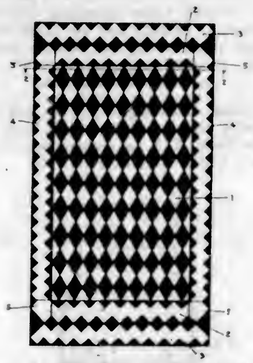
1. A combustion chamber, a device heated by the gases of combustion through which the said gases, pass substantially directly, an outlet flue for the gases, a short circuit conduit extending through the heated device and

connecting the combustion chamber to the outlet flue, means in addition to natural draft for inducing flow of gases through said conduit, and means exposed to the



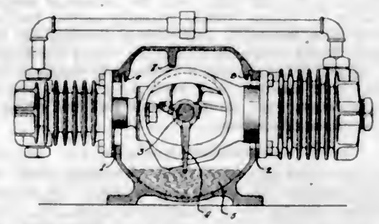
heated gases passing through said conduit for taking and indicating temperatures corresponding to the temperatures of the gases passing through said conduit.

1,583,098. WATERPROOF FLOOR COVERING. GEORGE PRIFOLD, Somerville, N. J. Filed Feb. 3, 1922. Serial No. 533,760. 9 Claims. (Cl. 41—26.)



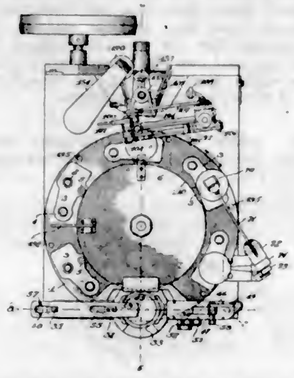
1. An article of manufacture, comprising a floor covering of flexible waterproof material made in sections, each section having a field or center and an integral border at each end, a plurality of said sections being printed lengthwise of a single strip of material.

1,583,099. OIL DISTRIBUTOR. GEORGE T. RAYFIELD, Chicago, Ill., assignor to Champion Pneumatic Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 23, 1923. Serial No. 653,155. 1 Claim. (Cl. 184—13.)



In a splash lubricating system for a compressor having a casing provided with a central lubricant chamber and opposed pistons, a rotary splasher supported in said chamber, an inwardly and downwardly sloping projection on said casing adjacent each piston and an intermediate inwardly and downwardly sloping projection on said casing for the purpose set forth.

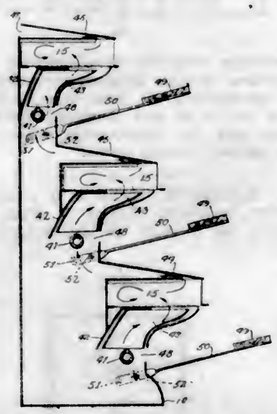
1,583,100. MACHINE FOR PARING, CORING, AND REMOVING SEED CELLS FROM APPLES. FRANK A. REYNOLDS, Geneva, N. Y., assignor to Reynolds Manufacturing Corporation, Geneva, N. Y., a Corporation of New York. Filed June 4, 1923. Serial No. 643,262. 75 Claims. (Cl. 146—38.)



4. The combination with an intermittently moving carrier provided with a series of apple holding devices, of seed cell removing mechanism, and means acting automatically to transfer an apple from the carrier to the seed cell removing mechanism.

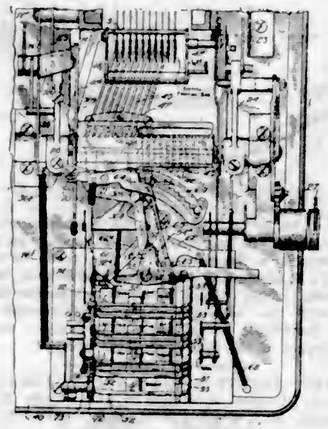
70. The combination with a seed cell removing knife, movable inwardly and outwardly with reference to the longitudinal axis of the core of an apple, of mechanism for holding an apple in cooperative relation with the seed cell removing device during such seed celling, said mechanism having provision for centering different sized apples with reference to the top and the bottom of an apple, so that the knife will operate to remove the seed cell at the center of the apple.

1,583,101. APPARATUS FOR SOFTENING SHOES OR PARTS THEREOF. FRED RICKS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 4, 1922. Serial No. 599,053. 10 Claims. (Cl. 34—26.)



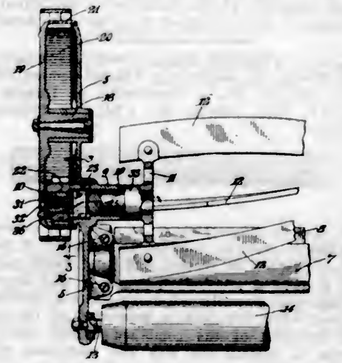
1. An apparatus for treating shoes, comprising a casing having a plurality of separate treating chambers, means in said casing for generating a hot treating medium, and means for dividing such treating medium into separate bodies and conducting the latter independently of each other to the treating chambers.

1,583,102. ADDING AND LISTING MACHINE. OSCAR J. SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Sept. 13, 1920. Serial No. 409,778. 36 Claims. (Cl. 235—58.)



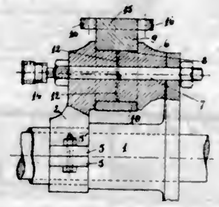
1. A ten-key adding machine having, in combination, a series of printing elements, a member to obstruct movement of said elements, a slide for freeing said elements successively from the control of said member, a spring tending to move said member out of obstructing position, a pivoted device adapted to move said member into obstructing position, yielding means for holding said device against the pressure of the spring, a lever mounted on said device and movable by said slide, number keys to cause movement of said device and said slide, a main rock shaft, and an arm on said rock shaft adapted to engage said lever and thus move said device to release said member to the action of said spring.

1,583,103. LAWN MOWER. HAYDEN W. WAGNER, Newburgh, N. Y., assignor to Coldwell Lawn Mower Company, Newburgh, N. Y., a Corporation of New York. Filed July 30, 1923. Serial No. 654,513. 3 Claims. (Cl. 56—250.)



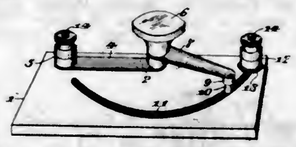
1. A lawn mower having a fixed knife and a rotatable cutter, a ground wheel with internal teeth formed thereon, a spur gear in mesh with said internal gear teeth and provided with internal ratchet teeth and carried by a spindle rigid with said cutter, a pawl mounted to slide through said spindle in a transverse direction and to engage said internal ratchet teeth positively to drive said cutter in one direction and slide back and forth in said spindle to ride over said ratchet teeth in the other direction, and a member screwed into the end of said spindle and adapted to abut said pawl to lock it with respect to said spindle whereby it will engage said ratchet teeth to drive said spindle and cutter in the reverse direction.

1,583,104. SPRING FASTENING FOR MOTOR CARS. FRANÇOIS ADRIAENSSENS, Antwerp, Belgium. Filed Mar. 18, 1925. Serial No. 16,505. 2 Claims. (Cl. 267—52.)



1. In an improved central spring fastening for rear-axle lateral longitudinal springs of motor-cars having a tubular rear axle-casing with flanged ends, the combination of: a right-angled fixed bracket member comprising one arm formed with a collar adapted to be detachably clamped onto the axle casing and a substantially cylindrical second arm extending at right angles to the faces of said collar with its free end adjacent the end-flange of the aforesaid axle-casing, and having a circumferential groove formed therein; a fixing bolt extending axially through the last-named arm for securing the latter to the aforesaid end-flange; means for lubricating the circumferential groove of such last-named arm through said fixing-bolt; and a rocking member formed with an integral spring seat, rotatably mounted on the said last-named arm and engaging the said groove, said rocking member including a detachable strap-portion and the said spring-seat having holes formed therein for receiving spring-clips; substantially as described.

1,583,105. VARIABLE RESISTANCE. THOMAS APPLEBY, Philadelphia, Pa. Original application filed Mar. 23, 1920, Serial No. 368,046. Divided and this application filed Nov. 26, 1923. Serial No. 677,163. 14 Claims. (Cl. 201—55.)



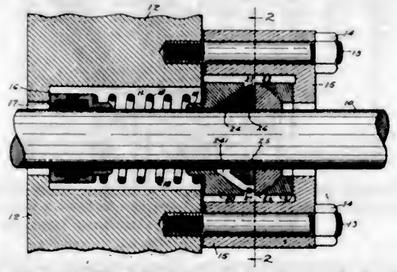
1. A rheostat comprising a support of insulating material, a movable contact of abradable resistance material, a movable conducting member supporting said contact and causing the same to engage and traverse said support to form thereon a resistance element consisting of material of said contact abraded therefrom, a fixed circuit terminal connected with said contact through said conducting member, and a second fixed terminal having a fixed connection with said resistance element.

1,583,106. VEHICLE MOUNTING. GEORGE K. ATKINSON, Aurora, Ind. Filed Nov. 8, 1923. Serial No. 673,544. 4 Claims. (Cl. 280—104.)

1. A vehicle frame mounting including a plurality of springs secured to a support and each attached at one end to a body member, the opposite ends of said springs

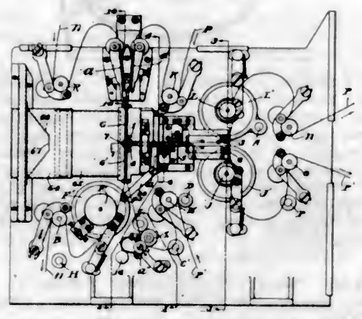
being attached to said body member on different lines extending crosswise of the body at right angles to the longitudinal center thereof.

1,583,107. METALLIC ROD PACKING. JOHN BADEKER, Chicago, Ill., assignor to Chicago Standard Metallic Packing Company, Omaha, Nebr., a Corporation of Nebraska. Filed July 9, 1924. Serial No. 725,016. 10 Claims. (Cl. 286—23.)



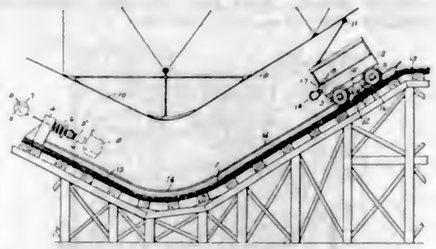
1. In a metallic rod-packing, a frusto-conical packing-ring comprising an outer annular series of segments having concentric conical external and internal surfaces, said segments spaced to provide circumferential clearance-spaces between the ends thereof, an inner annular series of conical segments each extending across the clearance-space at adjacent ends of a pair of the outer segments and fitting against the internal conical surfaces of said outer segments, said inner series of segments being spaced apart at their ends adjacent to the central portions of the respective outer segments, and filler-blocks disposed between said spaced ends of the inner segments; said packing-ring being bored to fit upon the rod, and each element of the ring extending to the cylindrical bore and to the base-end thereof; a ring disposed about the rod and having a plane-surface engaged by the base-end of the packing-ring to form a fluid-tight joint therewith, and a conically bored follower pressed toward said ring and engaging the external conical surfaces of the outer segments to press the ring-elements toward the rod.

1,583,108. COLOR CINEMATOGRAPHY. JOSEPH A. BALL, Jamaica Plain, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Nov. 2, 1921. Serial No. 512,399. 53 Claims. (Cl. 95—75.)



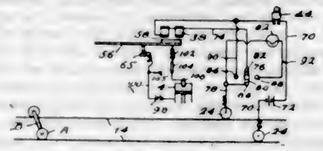
1. The method of making complemental cinematographic films which comprises feeding a plurality of films along angular paths the angles of which are adjacent, the paths on one side of the angles extending in the same general direction, and concomitantly forming complemental series of images on the respective films on the other side of the angles.

1,583,109. BUFFER-TESTING DEVICE. EDWARD A. BANSCHBACH, Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,555. 14 Claims. (Cl. 265—13.)



1. In a buffer testing apparatus, a wheeled vehicle carrying a buffer to be tested, a track upon which the vehicle moves, a flanged rail in the track between the wheels, a fixed bumper at one end of the track, means for imparting motion to the vehicle, and means in connection with the vehicle engaging the flanged rail between the wheels to prevent overturning of the vehicle upon impact of the buffer with the bumper.

1,583,110. SAFETY SIGNAL AND MOTOR-CAR CONTROL. HARLIE T. BAUGHER and JAMES E. MILUM, Trenton, Mo. Filed Nov. 2, 1925. Serial No. 66,301. 3 Claims. (Cl. 246—64.)



1. In a signal system of the character described, the combination with a car having its wheels on one rail insulated from the wheels on the other rail, a signal circuit upon the car embodying rail contacts and adapted to be closed on short circuiting of the rails, mechanism for engaging and disengaging said contacts from the rails, a visual signal upon the car, a shaft upon which said signal is mounted, a crank fixed to said shaft, a connecting rod pivotally-secured to said crank, an armature, an element connecting said armature and the connecting rod, and magnetic means connected to the signal circuit and adapated when energized to actuate the armature.

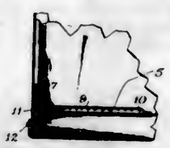
1,583,111. BUILDING SLAB. LEROY BAUMGARTL, Hubbard Woods, Ill., assignor to Federal Cement Tile Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 12, 1925. Serial No. 1,741. 2 Claims. (Cl. 108—10.)

1. A roofing tile or slab as an article of manufacture, comprising a layer of concrete and a layer of composite material adapted to receive and hold nails molded together in bonded relationship, each of said layers being of insufficient strength to alone sustain the slab and roof load when the slab is supported at its ends, the united strength of the combined bonded layers being sufficient to sustain the slab and roof load when the slab is supported at its ends and whereby a material saving in concrete is effected.

1,583,112. FREEZING CAN. ANSON J. BENTLEY, Niles, Ohio. Filed Apr. 14, 1922. Serial No. 552,747. 7 Claims. (Cl. 62—159.)

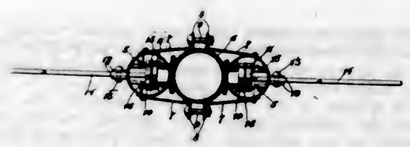
1. A freezing can for use in the manufacture of ice having an air passage formed between overlapped wall

members in one wall thereof extending vertically from the top to the bottom of the can and an air passage extending horizontally in the bottom of said can, the



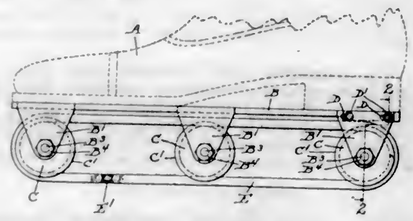
two passages being joined by a tubular member extending into each of said passages and having fluid tight connection therewith.

1,583,113. CIRCUIT CLOSER. CHARLES E. BETZLER, St. Louis, Mo. Filed Aug. 19, 1919. Serial No. 318,570. 2 Claims. (Cl. 200—59.)



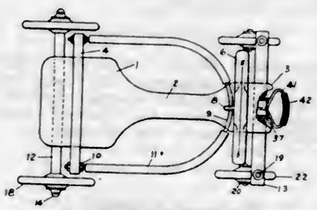
1. In a vehicle signal, a circuit closer comprising a case adapted to be attached to the steering column of a vehicle, a lever pivoted to and having one end extending into the case and the other end extending beyond the case, said lever being balanced to normally depress the end within the case, a block carried by the inner ends of said lever within the case and having an angular upper face, a pair of circuit wires extending into the case and arranged above the angular face of said block, and an additional wire supported along the inclined sides of said block, said wire being normally held out of contact with said first named wires by the weight of the arm of the lever within the case and being arranged to engage therewith by pressure on the outer end of said lever.

1,583,114. SKATE. ALBERT S. BIERLY, Chicago, Ill. Filed May 18, 1922. Serial No. 561,846. 2 Claims. (Cl. 208—175.)



1. As a new article of manufacture, a skate comprising a foot supporting member, a plurality of elongate rollers positioned therebeneath and longitudinally spaced therealong, and a broad endless tractor belt of relatively flexible material passing about said rollers.

1,583,115. TOY VEHICLE. CHARLES C. BLACKMORE, Dayton, Ohio. Filed Dec. 1, 1924. Serial No. 753,367. 13 Claims. (Cl. 280—47.)

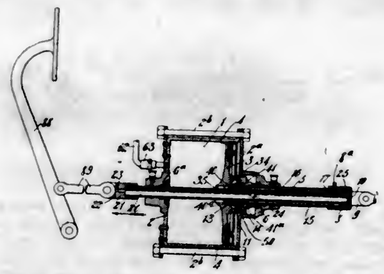


1. In a toy straddle vehicle, the combination of a handle telescoping within said vehicle, said handle being connected by a universal joint to the vehicle when in extended position, so that it may be held at different elevations.

1,583,116. AUTOMATIC FILM-WINDING CAMERA. CARL A. BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Jan. 12, 1925. Serial No. 1,768. 1 Claim. (Cl. 188—187.)

A centrifugal governor comprising a rotatable shaft, a sleeve rigid with said shaft, carrying weighted spring arms, a housing for the free ends of said spring arms, and a notched disk on said sleeve and fitting within said housing to guide said arms laterally against the side walls of said housing.

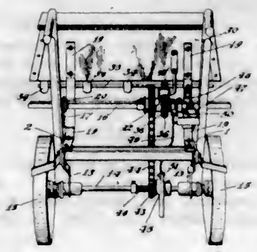
1,583,117. POWER ACTUATOR. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Nov. 25, 1925. Serial No. 71,269. 25 Claims. (Cl. 121—41.)



22. In an automotive vehicle provided with an internal combustion engine having a suction passage between the throttle valve and the cylinder of the engine, and brake mechanism for the vehicle, of a power actuator comprising a cylinder closed at both ends, a single acting piston in the cylinder, connections from said piston to the brake mechanism, means for connecting the cylinder on both sides of the piston with the suction passage of the engine when the actuator piston is in its normal or off position, and disconnecting the cylinder in rear of the piston from said suction passage and admitting higher pressure fluid to effect the application of the brake mechanism, and

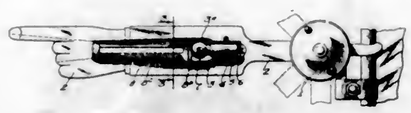
for reestablishing the connections between the cylinder in rear of the piston and said suction passage to permit the brake mechanism to relieve itself and the piston to be returned to normal position.

1,583,118. GRAIN DRILL. WILLIAM L. BRALEY and HENRY N. FAAS, Springfield, Ohio, assignors to The American Seeding Machine Company, Springfield, Ohio, a Corporation of Ohio. Filed Mar. 28, 1923. Serial No. 628,363. 1 Claim. (Cl. 111—66.)



In a machine of the character described, a main frame, a hopper, a feed shaft supported on the under side of said hopper in close proximity thereto, a furrow-opener lifter shaft supported by said frame in parallel relation with said feed shaft, an axle, comparatively small ground wheels to which said axle is connected, and mechanism for driving said feed shaft from said axle comprising speed reducing transmission devices supported on said lifter shaft.

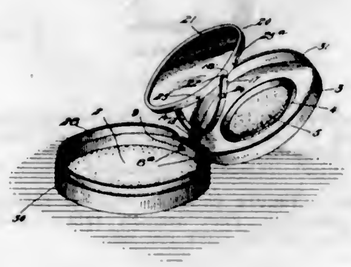
1,583,119. VEHICLE DIRECTION AND STOP SIGNALING MEANS. JOSEPH W. BRENKERT, San Diego, Calif. Filed Dec. 31, 1923. Serial No. 683,713. 5 Claims. (Cl. 116—48.)



1. In a signaling means, a signaling arm, a hollow outwardly enlarging reflector provided with slits in its opposite side walls mounted centrally on said arm with its open end extended in the direction of the outer end of the said signaling arm, and a bulb positioned concentrically within said reflector and at the one end of the said slits.

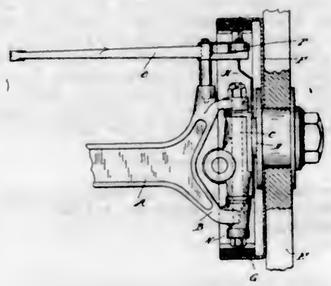
1,583,120. VANITY CASE. BENJAMIN BRENNER, Providence, R. I. Filed Jan. 15, 1923. Serial No. 612,769. 10 Claims. (Cl. 132—83.)

1. A vanity box, comprising a main body member, a cover member, having a central circular internal recess therein of smaller diameter than the cover projecting externally above the plane of the cover, hinge-means pivotally connecting said body and cover members, a ball member pivotally connected to said hinge means between said body and cover members, a combined mirror and partition member revolvably mounted on said ball member, means to lock said combined mirror and partition member in operative position on said ball member, a quantity of powder in the body member, a quantity of rouge in the annular recess in the cover member, pads between the powder and rouge and the combined mirror



and partition member, said body member having an inwardly offset vertical flange portion adapted to telescope into the flange of the cover when the said members are closed together, and to contain therebetween in compact relation to the cover and body members, the pads and the combined mirror and partition member, and means to lock said body and cover members in closed position.

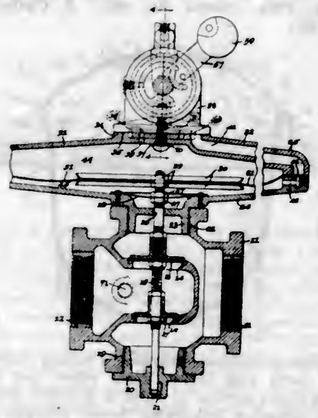
1,583,121. BRAKE-OPERATING MECHANISM. ALANSON P. BRUSH, Detroit, Mich. Filed Sept. 30, 1925. Serial No. 59,490. 21 Claims. (Cl. 188-194.)



1. The combination with a swivelled wheel having a brake, of operating mechanism not swivelling with the wheel and including a brake-applying portion movable in a plane perpendicular to the swiveling axis of the wheel from an idle position spaced materially from the swivelling axis to an active position substantially in that axis.

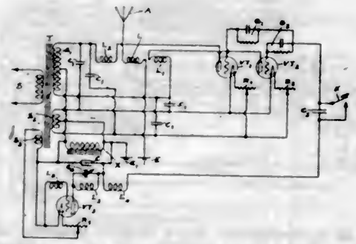
1,583,122. VALVE-CONTROL MECHANISM. CHARLES L. BRYANT, Cleveland, Ohio. Filed Aug. 13, 1925. Serial No. 49,037. 11 Claims. (Cl. 137—139.)

1. Fuel feed control means comprising a fuel supply valve having an oscillating operating member, an oscillating pressure responsive valve operating device having its actuated member connected to said operating member, a control valve for said pressure responsive device having two functioning positions in which said valve operating device operates to close said fuel supply valve and an intermediate position in which said valve operating



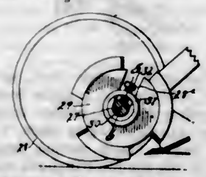
device operates to open said fuel supply valve, and biasing means constantly tending to move said control valve to one extreme position.

1,583,123. SYSTEM FOR GENERATING RADIO-FREQUENCY CURRENTS. LEROY M. E. CLAUSING, Chicago, Ill. Filed Aug. 16, 1923. Serial No. 657,746. 3 Claims. (Cl. 250—17.)



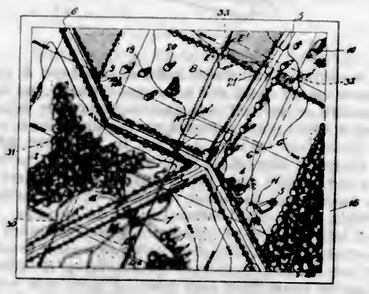
2 A system for generating high power high frequency electrical currents comprising a source of low frequency alternating currents, means for impressing said currents upon the plate-filament and filament circuits of a vacuum tube with which are associated self oscillation producing circuits, means for impressing said low frequency currents upon a pair of vacuum tubes, means associated with said pair of vacuum tubes for the simultaneous rectification of said low frequency currents and amplification of oscillations produced in the first mentioned vacuum tube.

1,583,124. LAWN MOWER. WILLIAM T. COFFLAND, Vinton, Iowa. Filed Mar. 12, 1925. Serial No. 15,020. 1 Claim. (Cl. 56—294.)



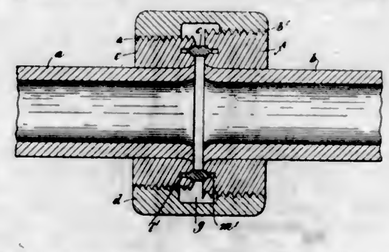
In a lawn mower, the combination with the stationary cutter, of a removable rotary cutting reel and means for mounting said reel arranged to permit the reel to be reversed end for end so as to present either side of the cutting edges of the reel blade for cooperation with said stationary cutter, said means including the usual reel shaft extending between and driven by the usual ground wheels, said shaft being received in slots formed in the heads of the reel and extending from the periphery to the central portions of said heads, slotted hubs projecting inwardly from the heads at the inner ends of said slots, the slots in said hubs being in line with the slots in said heads, a displaceable ring fitted on each of said hubs and closing the slot therein and a jam screw carried by each of said rings and engaging said shaft, the arrangement being such that on loosening the jam screws and moving the rings inwardly beyond said hubs the reel may be freely removed from the shaft.

1,583,125. MAP AND METHOD OF MAKING IT. EDWIN H. CORLETT, MAX W. GARNETT, and HOWARD I. DOREMUS, East Cleveland, Ohio. Filed Sept. 5, 1922. Serial No. 586,391. 69 Claims. (Cl. 35—6.)



1. The method of making a topographical map which consists in contouring aerophotographs, and then tracing each contour on a ratio according to its elevation with respect to a chosen datum plane of the photographs.

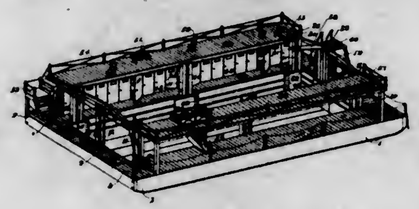
1,583,126. LEAKAGE-TIGHT JOINT. NEWTON CRANE, Boston, Mass., assignor to Walworth-English-Flett Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 26, 1924. Serial No. 758,080. 3 Claims. (Cl. 285—145.)



1. A container for fluid under high pressure comprising separate members of hardness and rigidity substantially as great as steel arranged adjacent to one another and having coaxial grooves in their opposed surfaces, a packing ring of substantially non-resilient metal and construction and softer than said members but having strength and hardness at least as great as that of copper, said ring having beveled ends, and each of said grooves being beveled with a wider included angle than that of the adjacent beveled end of the ring, and having also a bottom extension of greater width than the extremity of the ring; said ring being adapted to enter

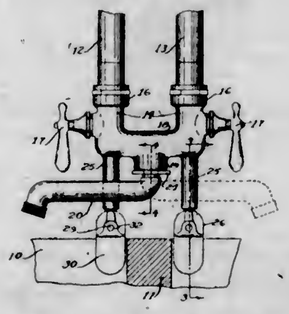
the said grooves and to seat on the angles between the beveled sides and the bottom extensions of the respective grooves; and means for forcing the said separate members toward one another with pressure sufficient to distort the ring into exact conformity with said angles and with the beveled surfaces of said grooves next adjacent to said angles.

1,583,127. PORTABLE ADJUSTABLE BATHING STRUCTURE. WILLIAM H. CURTIS, West Baden, Ind. Filed Jan. 23, 1924. Serial No. 688,071. 1 Claim. (Cl. 4—171.)



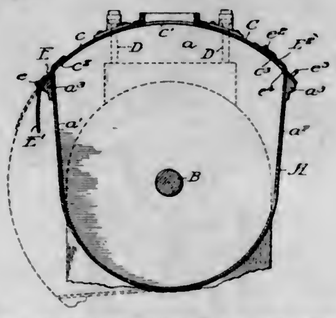
In a portable adjustable bathing structure, a pair of pontoons spaced apart and connected together and having a plurality of vertical side and end upwardly extending guides, a metal plate mounted on the inner lower end of each guide and having a notch in its lower edge, a bath enclosure supporting structure comprising horizontal beams and upright posts hinged thereto, said upright posts being mounted to be moved vertically in said guides, respectively, and said horizontal beams adapted to be moved into and out of said notches, an open-work bathing enclosure comprising alternating openwork panels and solid panels, said open-work panels being in alinement and spaced apart from each other at their ends and said solid panels being connected to said open-work panels in parallel relation therewith, an open-work bottom, hinges connecting said panels to said bottom, said upright posts being disposed between the ends of said open-work panels, respectively, all combined and operating, substantially as set forth and for the purposes specified.

1,583,128. LAUNDRY-TUB COCK. WILLIAM BIRD DALE, Winnetka, Ill., assignor to Street & Kent Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,480. 3 Claims. (Cl. 4—193.)



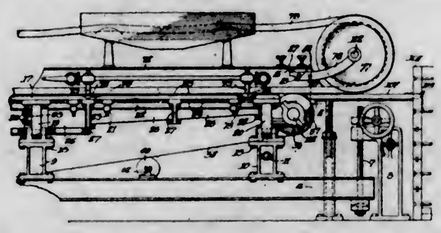
1. A faucet structure including integral hot and cold water supply valves, a swivel spout associated with said structure, dependent sockets, tub engaging clamps, and shanks thereon movable within said sockets to permit movement of the structure due to expansion and contraction of the water supply piping.

1,583,129. MIXING MACHINE. PAUL O. DIEDERICHS, Chicago, Ill., assignor to American Oven & Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1925. Serial No. 483. 9 Claims. (Cl. 259—125.)



1. A mixing machine comprising a mixing chamber having end walls with curved upper edges, and a curved cover the under surface of which is provided with a drip shoulder extending lengthwise thereof adjacent its edge and over said chamber.

1,583,130. PAPER-MAKING MACHINE. WILLIAM H. ENGEL, Kaukauna, Wis., assignor of one-half to Thilmany Pulp & Paper Company, Kaukauna, Wis., a Corporation of Wisconsin. Filed Apr. 28, 1922. Serial No. 557,039. 11 Claims. (Cl. 292—44.)

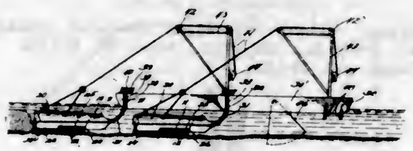


1. In a Fourdrinier paper making machine, the combination with supporting stands, of a roller-carrying frame removably bolted to said stands at one side of the machine frame, and pivot pins extending lengthwise of said roller carrying frame at the opposite side of the machine frame, upon which pivot pins said roller carrying frame is hingedly mounted.

1,583,131. GRAIN-SAVING ATTACHMENT FOR BINDERS. ABRAHAM G. ENS, Blumenhof, Saskatchewan, Canada. Filed Dec. 31, 1923. Serial No. 683,710. 1 Claim. (Cl. 56—443.)

The combination with a grain deck, compressor shaft and trip hook of a binder, of a grain holding device including an extension for the binder compressor shaft; an arm extended at right-angles from the free end of said extension; and a finger carried upon said arm in spaced relation to the binder trip hook and designed for co-operation therewith to keep the grain in alignment upon the grain deck of the binder until the sheaf is formed and discharged.

1,583,132. DREDGING APPARATUS. LEWIS H. FALLEY, Kansas City, Mo., assignor to M. H. Falley, Kansas City, Mo. Filed June 4, 1923. Serial No. 643,244. 16 Claims. (Cl. 61—5.)

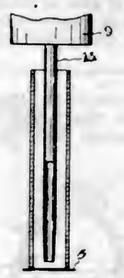


1. A dredging apparatus adapted to be submerged in the path of a water current and comprising a set of water-deflecting elements of downwardly curved outline adapted to produce a plurality of minor or secondary currents directed downward toward the bed of the waterway, and a second set of water-deflecting elements above said first set and of downwardly curved and twisted outline adapted to produce a plurality of auxiliary currents directed both downwardly and outwardly at a level slightly above the path of said first minor currents for augmenting the outward carrying effect of the latter.

1,583,133. WINDOW SCREEN. HARRY FIERMAN, Brooklyn, N. Y., assignor of one-half to Zeidel Kaufman, Brooklyn, N. Y. Filed Oct. 22, 1925. Serial No. 64,080. 4 Claims. (Cl. 156—39.)

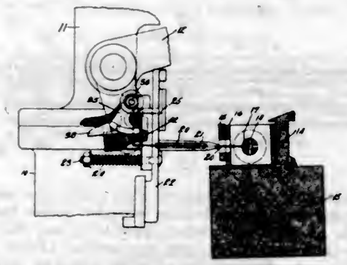
3. A screen for doors, windows and the like comprising a flexible screen member, a rotatably mounted member on which said flexible screen member may be wound and unwound, and means to retain the screen in a uniform plane when unwound, said means including a pair of track members engaging the longitudinal edges of the screen, a pair of elongated bearing members positioned below and adjacent to the rotatable member upon which the flexible screen is wound, a second rotatable member slidably mounted in said bearings, and means carried by the upper extremities of the track members resiliently engaging the second mentioned rotatable member to urge the same into engagement with the flexible screen whereby to confine that portion of the screen adjacent to the first mentioned rotatable member substantially in the plane of the track members.

1,583,134. TUBULAR CONFECTION. ALEXANDER D. FISHER, Toronto, Ontario, Canada. Filed May 29, 1925. Serial No. 33,723. 4 Claims. (Cl. 107—54.)



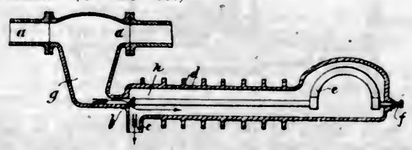
1. In a process of forming a tubular confection the steps which consist in forming a chocolate tube, sealing one end by supporting the tube in a vertical position on a plane surface and dropping plastic plugging material to close the bottom of the tube from a point within the tube close to the bottom.

1,583,135. MULTIPLE-PLUNGER WEFT DETECTOR. JOSEPH E. FLANIGAN and FRANCIS E. ASHTON, Chester, Pa., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 4, 1923. Serial No. 643,211. 6 Claims. (Cl. 139—271.)



1. In a loom, a weft detector comprising a stand, a plurality of detecting plungers mounted for independent movement in said stand, a horizontal stud fixed in said stand above said plungers, and a plurality of separate segmental weights pivotally mounted for independent forward and upward movement against gravity and each yieldingly engaging one of said plungers to normally maintain said plunger in rearward operative position, said weights being mounted in closely parallel relation and each weight being of an extreme thickness substantially equal to the distance between the centers of adjacent detecting plungers.

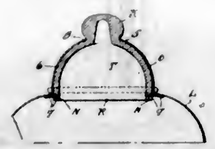
1,583,136. MEANS FOR THE REMOVAL OF WATER OF CONDENSATION FROM STEAM PIPES. HERMANN SRULOWITZ and LOUIS FRIEDMANN, Vienna, Austria, assignors to the Firm Alex. Friedmann, Vienna, Austria. Filed Dec. 6, 1922. Serial No. 605,298. 7 Claims. (Cl. 236—59.)



1. In a heating installation for railway cars an arrangement for draining the main supply pipe of the installation while working, comprising a drain valve, a

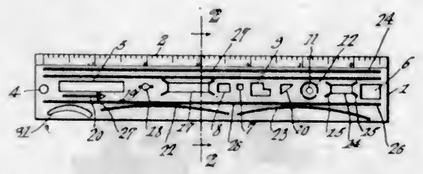
thermostatic element controlling the drain valve and a surface capable of radiating heat arranged behind the draining valve and ahead of the thermostatic element so that the vapors first pass in contacting relation with the heat radiating surface and are condensed so that no vapors can reach the thermostatic element.

1,583,137. PERCOLATOR-TOP HOLDER. ALBERT B. GARDELLA, Cleveland, Ohio. Filed May 15, 1924. Serial No. 713,541. Renewed Mar. 1, 1926. 3 Claims. (Cl. 53—3.)



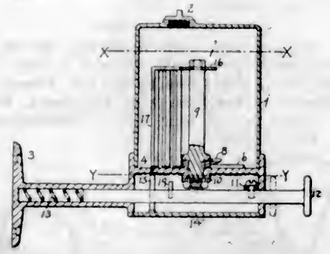
1. The combination with the cover of a percolator including a lid having a central opening and a glass top for the opening; of a holder comprising a body portion extending over the glass top, and fingers carried by the body portion and engageable beneath the lid to connect the top and lid.

1,583,138. TOPOGRAPHER'S RULE. FRED MELL GARNETT, Savannah, Ga. Filed Feb. 6, 1925. Serial No. 7,383. 1 Claim. (Cl. 33—174.)



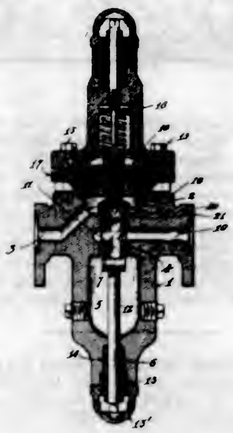
A topographer's rule supplied with a slit, the rule being provided with spaced bridges extended across the slit, the height of the bridges being appreciably less than one-half the thickness of the rule, the bridges having oppositely disposed thinned edges which coincide with the lower surface of the rule, the upper surface of each bridge being continuously convexed from one of said thinned edges to the other, the slit being narrow enough to constrain a stylus to right-line movement.

1,583,139. POWDER DISPENSER. ROBERT W. GERDEL, East Lansing, Mich. Filed Oct. 1, 1923, Serial No. 665,843. Renewed Feb. 23, 1926. 3 Claims. (Cl. 221—66.)



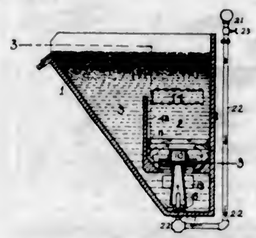
1. In a device of the character described, in combination with a body adapted to hold a powdered substance and provided at the bottom with a plate having in it a distributing opening, a revoluble slide normally closing said opening, and provided with an opening adapted to pass over said distributing opening when said slide is revolved, and having an upwardly and forwardly inclined member extending over the opening in said slide, and means for revolving said slide so as to open and close said distributing opening.

1,583,140. VALVE. JUSTUS C. GOOSMANN, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,732. 5 Claims. (Cl. 50—23.)



1. The combination with a valve including a passage extending through the body of the valve, a closure, and diaphragms carrying said closure, of a valve-seat in said passage for receiving the closure adjustable in the said body in the direction of said closure.

1,583,141. APPARATUS FOR TREATING LIQUID WITH GAS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Mar. 21, 1924. Serial No. 700,833. 11 Claims. (Cl. 261—124.)

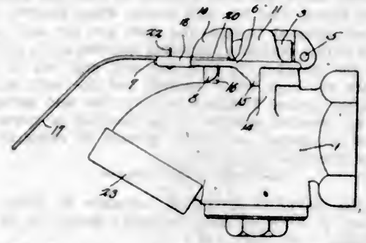


1. In apparatus for treating liquid with gas, a tank adapted to contain liquid, a hollow stationary gas diffusing member within the tank submerged in the liquid comprising a vertical tube with its lower end in communication with the tank and its upper end in communication with outwardly directed discharge passages adapted to discharge gas and liquid from the interior of the hollow gas diffusing member in different directions into the surrounding liquid in the tank, and means for supplying gas to the interior of said vertical tube.

1,583,142. ANGLE-COCK HANDLE. FRANCIS J. HANRAHAN, Rupert, Pa. Filed Sept. 15, 1925. Serial No. 56,510. 2 Claims. (Cl. 251—165.)

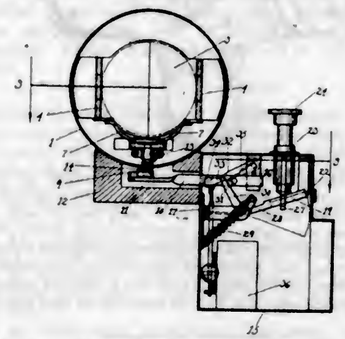
1. In a device of the class described, a cock comprising a body, a valve stem journaled in the body, an arm mounted on the stem and having a projection, a main handle including a head hinged to the arm and

provided with a projecting portion defining a slot in which the projection of the arm operates, and an auxiliary handle supported on the head and provided with



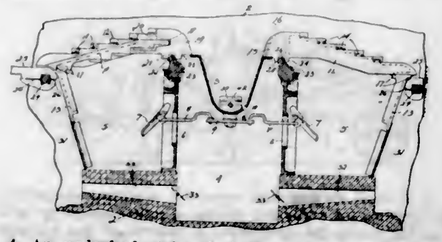
a socket in which the main handle is mounted, the auxiliary handle having a fork receiving the projecting portion of the main handle.

1,583,143. COIN-ACTUATED TIME-CONTROLLED MECHANISM FOR CONTROLLING THE USE OF TELESCOPES AND LIKE INSTRUMENTS. SVEND A. HANSEN, Glenwood, Calif. Filed Aug. 3, 1925. Serial No. 47,958. 3 Claims. (Cl. 194—74.)



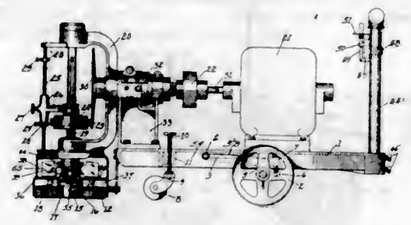
1. In combination with an optical instrument for use in viewing distant objects and including a tube, a shutter mechanism therein for controlling light passing therethrough, an operating plunger, a plunger actuated lever, an element associated with the shutter mechanism and acted on by the lever to cause an opening of the shutter mechanism, a pawl for holding the shutter mechanism open, time controlled means for releasing the pawl, and means for closing the shutter mechanism on the release of the pawl, said plunger and plunger actuated lever rendered cooperative on the positioning of a token between the same.

1,583,144. UNDERFEED STOKER. EDWARD J. HART, Philadelphia, Pa. Filed Oct. 19, 1921. Serial No. 508,648. 12 Claims. (Cl. 110—47.)



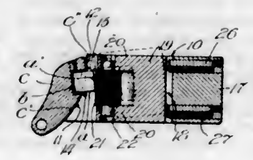
4. An underfeed stoker including grate bars and reciprocating pushing heads slidably mounted thereon.

1,583,145. FLOOR-SURFACING MACHINE. CHARLES E. HAYNES, Toledo, Ohio. Filed Jan. 7, 1924. Serial No. 684,712. 6 Claims. (Cl. 51—177.)



1. In a floor surfacing machine, a main frame having longitudinally slotted sides, a subsidiary frame having depending arms between the ends of the sides thereof, wheels journaled in said arms, bolts connected to the inner ends of the sides of the subsidiary frame and adjustably mounted in the slots of the main frame, a vertically disposed bolt carried by the outer end of the subsidiary frame and having its free end engaged with the under face of the body of the main frame, an abrasive member at the front end of the main frame, means to actuate the abrasive member, a caster wheel, and means to adjustably connect the caster wheel to the main frame at a point between the abrasive member and the wheels of the subsidiary frame.

1,583,146. DRESSING TOOL FOR ABRADING STONES. HORACE C. HEON, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed May 18, 1925. Serial No. 30,943. 11 Claims. (Cl. 125—37.)

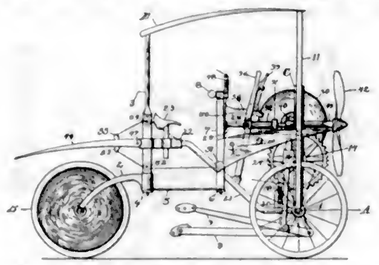


1. A stone-dressing tool comprising, in combination, a body-member having a stone-receptive channel in one edge and guiding surfaces flanking said channel and adapted to coact with and be guided by the stone-carrier, a stone-dressing element extending across the width of said channel and adjustable in the direction of depth of said channel to vary its effective distance from said guide surfaces; and adjusting means for determining the adjusted position of said dressing element.

1,583,147. FLYING MACHINE. ARTHUR W. HERRICK, Battle Creek, Mich. Filed June 22, 1925. Serial No. 38,795. 6 Claims. (Cl. 244—14.)

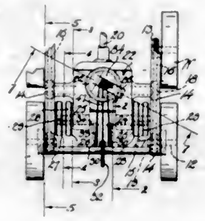
1. In a device of the character set forth, the combination of a chassis having three triangularly-arranged carriage wheels, two of the wheels being oppositely disposed on a common axle, an inverted U-shaped frame engaging said axle intermediate its supporting wheels, a brace on either side of said frame engaging said axle near its supporting wheels, a forked supporting frame-part extending from said U-shaped frame rearward and uniting with a steering head, a fork journaled in said

head in which a steering or third wheel is journaled, a seat fitted forward of said steering head mounted on said forked supporting frame part forward of said seat, a



steering post mounted in said steering head, and means connecting said steering wheel with said steering head whereby said wheel may be laterally adjusted.

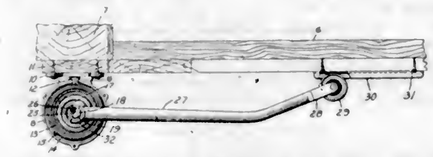
1,583,148. TRACTOR AND MOVEMENT CONTROL THEREFOR. ARTHUR O. HIGINBOTHAM, Denver, Colo. Filed Jan. 9, 1922. Serial No. 527,919. 34 Claims. (Cl. 180—17.)



1. A tractor having a power-transmission, an arm connected with said transmission and movable into forward, neutral and reverse positions, and a member adapted to move said arm into neutral position and there retain the same, said member being releasable from the arm by further movement of the arm.

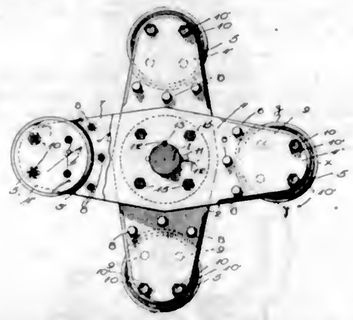
8. A tractor having ground wheels, breaking mechanism therefor, and a magneto, a single member for applying said braking mechanism to said wheels and grounding said magneto, and means for operating said member.

1,583,149. DOOR CLOSER. ERNEST L. HILL, Jacksonville, Fla. Filed Aug. 18, 1924. Serial No. 732,710. 1 Claim. (Cl. 16—80.)



A door-closer comprising, a cup-shaped housing having a closed bottom, a bracket on said housing for securing the housing to a door frame member and a slot formed in the bracket, a cover for the housing, a coil spring for the housing having its terminals formed into hooks, the outer hook having a portion cut away, a ring encircling the spring and passing through the cut-away portion for constraining the spring to a less diameter than the inside diameter of the housing, a slotted central shaft in the housing, one end of said shaft projecting through the cover and the opposite end terminating within the housing, and an arm for engagement with the shaft; the outer hook of the spring adapted to engage the slot in the bracket and the inner hook the slot in the shaft, the arm adapted to turn the shaft to coil the spring, and the said device when secured to a door jamb adapted to close the door, and the said cover provided with a centrally supported sprocket and a pawl to engage the sprocket, to hold the said arm out of contact with the door when desired, and the said slot in the bracket formed T-shaped to adapt the said spring to be set in reversed position in the housing to cause the said arm to operate on a door pivoted to swing in the opposite direction.

1,583,150. ROTARY CUTTER. ROBERT R. HIND, Del Carmen, P. I. Filed Mar. 31, 1925. Serial No. 19,682. 6 Claims. (Cl. 146—121.)

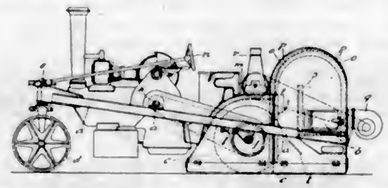


1. A rotary cutter comprising a plurality of spaced arms, a rotative shaft extending centrally through said arms, a disk cutter mounted at each end of each arm, and means for detachably securing each cutter to its associated arm, said means comprising apertures extending through each disk cutter and spaced from the center and edge thereof, and a plurality of bolts, each of which extends through said arm and an aperture in said cutter.

1,583,151. FERTILIZER AND METHOD OF MAKING SAME. ROBERT RENTON HIND, Del Carmen, P. I. Filed Aug. 1, 1925. Serial No. 47,633. 4 Claims. (Cl. 71—6.)

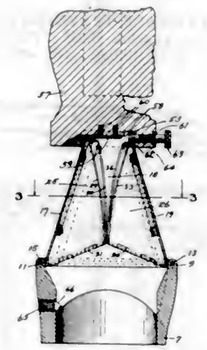
1. The method of making fertilizer, which comprises neutralizing the acid condition of molasses distillery lees, concentrating the lees by evaporation, and mixing the concentrate with bagasse.

1,583,152. MEANS FOR MAKING AND REPAIRING ROADS AND LIKE SURFACES. JOHN HINES, London, England. Filed Sept. 5, 1925. Serial No. 54,615. 6 Claims. (Cl. 94—50.)



1. A road making and repairing machine, comprising in combination a running frame, a roller, means on said running frame for generating a current of hot air and gases, and means for directing said current on to said roller and on to the road surface adjacent to said roller.

1,583,153. RADIATOR CAP. FRANK S. HOLTZ, Berkeley, Calif. Filed Oct. 27, 1925. Serial No. 65,214. 14 Claims. (Cl. 226—88.)



1. In a device of the character described, a tubular member, plates hinged to said tubular member at their bases and adapted to meet at their adjacent sides, and extensible means hingedly connected to the adjacent plates.

1,583,154. INSECTICIDAL COMPOSITION. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 22, 1922. Serial No. 583,618. 8 Claims. (Cl. 167—6.)

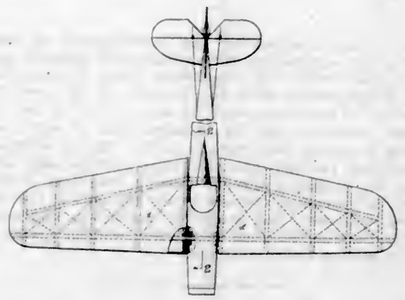
1. An insecticidal composition comprising sulfur and silicate of soda.

3. An insecticidal composition comprising sulfur, silicate of soda, and a colloidal clay.

6. A suspension of sulfur suitable for use as an insecticide comprising sulfur, silicate of soda, wilkinite, and water.

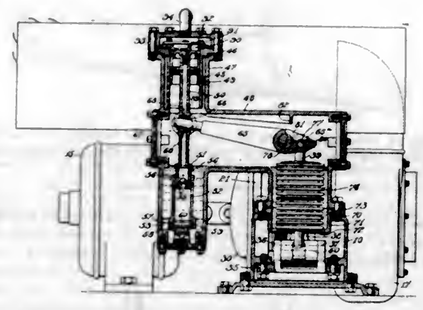
8. An insecticidal composition comprising about 50 parts by weight of sulfur, 5 parts by weight of a 40° Bé. silicate of soda solution, 2½ parts by weight of glue, and not more than 1 part by weight of wilkinite.

1,583,155. AEROPLANE. FRANK H. JACOBS, Puyallup, Wash. Filed June 27, 1925. Serial No. 40,007. 4 Claims. (Cl. 244—12.)



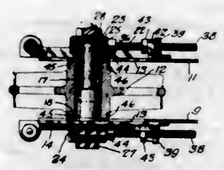
1. In a biplane, means for pivotally supporting the leading edge of the upper wing, a forward strut connecting the upper and lower wing, means for guiding the connection of the strut and lower wings at the leading edge of the latter to permit a predetermined swinging movement of such point, a rear strut connecting the upper and lower wings, means for guiding the point of the pivotal connection between said strut and lower wing to compel a predetermined movement of such point, and means connected to the lower wing for compelling and limiting movement of both wings.

1,583,156. COMPRESSOR FOR REFRIGERATING PLANTS. CLARENCE E. JEFFENS, Indianapolis, Ind., assignor to Mervin V. Arnold, Evansville, Ind. Filed July 17, 1924. Serial No. 726,427. 9 Claims. (Cl. 230—6.)



1. A refrigerant compressor comprising a casing forming a gas chamber, a compression cylinder and piston communicating with said chamber, a walking beam in said chamber connected to said piston, a motor, a driving train between said motor and walking beam including a reciprocating rod, and a bellow associated with said rod and casing to close the chamber gas-tight and be expansible and contractible axially with said rod.

1,583,157. ADJUSTABLE SPROCKET MOUNTING. GEORGE C. JETT, Milwaukee, Wis., assignor of two-fifths to Walter H. Stiemke, Milwaukee, Wis. Filed Sept. 27, 1922. Serial No. 590,849. 10 Claims. (Cl. 308—12.)

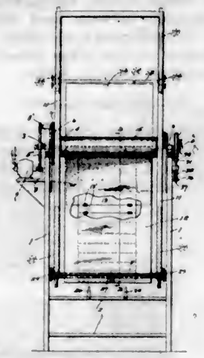


1. In an adjustable sprocket mounting, the combination of a pair of bifurcated supporting members arranged in spaced relation, spacing means disposed between said members and providing a bearing for a sprocket wheel, and means including tongue and groove connections with the bifurcated members for clamping said members and spacing means rigidly together.

1,583,158. ROTARY DISPLAY RACK. ROBERT F. JOHNSON, Seattle, Wash. Filed July 28, 1924. Serial No. 728,779. 6 Claims. (Cl. 211—23.)

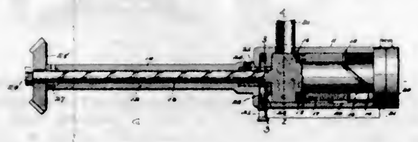
1. In a display stand, means for suspending a block of leaves from a support engaging one edge thereof

only and a rotary frame pivoted near the support having means associated with the end thereof successively en-



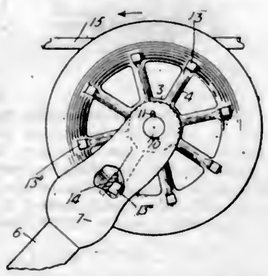
gaging the lower edges of the leaves for turning the same about the upper edge of the block for display purposes.

1,583,159. GAS ENGINE OF THE TURBINE TYPE. BRYAN P. JOYCE, Washington, D. C. Filed June 6, 1922. Serial No. 566,383. 7 Claims. (Cl. 60—41.)



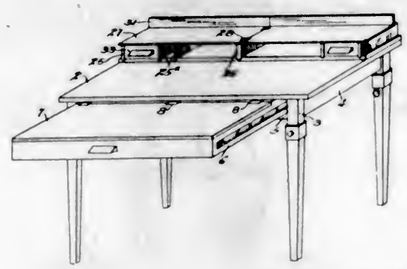
1. A gas turbine, including a casing provided with an inlet and an exhaust port, and with an explosion chamber, a rotor within the casing, said rotor provided with a spiral groove and a cam groove, and with a port adapted to alternately register with the inlet port and the explosion chamber, a piston, means carried by the piston and engaging the cam groove to reciprocate the piston through rotation of the rotor, a sleeve surrounding the rotor and extending through the explosion chamber, said sleeve provided with a slot with which the rear end of the spiral groove is adapted to periodically register and means for igniting a charge in the explosion chamber.

1,583,160. TROLLEY SHOE. ROBERT JOHN LYLE, Kinmount, Ontario, Canada. Filed May 23, 1925. Serial No. 32,479. 3 Claims. (Cl. 191—59.1.)



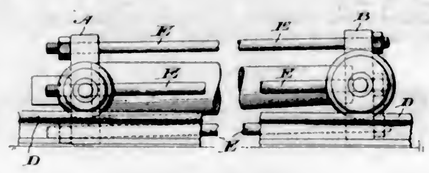
1. The combination with a trolley harp, of an annular shoe provided with a peripheral surrounding groove adapted to receive a trolley wire, and means for holding the shoe either in a stationary forward or reverse position and adapted to automatically adjust itself to such forward and reverse position upon the reversal of travel of the trolley shoe when in sliding contact with the trolley wire.

1,583,161. COLLAPSIBLE TRAVELER'S DESK. GEORGE H. MALOTT, Los Angeles, Calif. Filed July 20, 1925. Serial No. 44,872. 3 Claims. (Cl. 45—90.)



1. A collapsible pigeon-hole structure for a traveller's desk, said structure being packable in a drawer of the desk which is of less length than the extended structure; said structure including a two-piece bottom having its sections hinged so as to be extended into alignment, a two-piece top, a series of transverse partitions for spacing the top from the bottom, and a back having two hinged sections unfoldable into alignment, said back forming means to secure the bottom and the top in their extended positions.

1,583,162. APPARATUS FOR THE APPLICATION OF HYDRAULIC PRESSURE TO THE INTERIOR OF A TUBE BEING SHAPED BY THE SELF-HOOPING PROCESS. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Apr. 4, 1925. Serial No. 20,814. 2 Claims. (Cl. 29—1.11.)



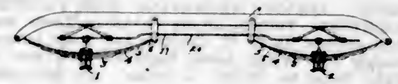
1. In an apparatus for the "self-hooping" of metal tubes, the combination of two oppositely disposed movable cross-heads, with tube-closing plugs of metal having a high elastic limit, the diameter of the inner end portions of said plugs being the same as that of the tube under treatment and the outer portions of said plugs being of greater diameter and having annular shoulders connecting the said inner and outer portions, said plugs and the shoulders thereon forming fluid-tight contact with corresponding surfaces within the ends of the tube under treatment, and means for moving the said cross-heads towards and from each other, whereby plastic or other packing is dispensed with.

1,583,163. NAIL-SEALING ROOFING UNIT. JAMES H. MUNRO, Pen Argyl, Pa. Filed Feb. 7, 1924. Serial No. 691,263. 9 Claims. (Cl. 108—8.)

1. A shingle having a nail hole larger than the nail to be driven therethrough, and a flat layer of yieldable adhesive material on the lower side of said shingle, said layer having an integral protruding portion within said

nail hole through which to drive the nail, said material serving to form a seal around the nail to prevent entrance of water.

1,583,164. STABILIZER FOR VEHICLES. STANLEY W. NELSON, San Francisco, Calif. Filed Sept. 16, 1924. Serial No. 737,984. 1 Claim. (Cl. 280—104.)



In a vehicle stabilizer two pairs of connected links, each pair being pivoted to the vehicle body and to the axle respectively and frictional means to control the movement of the other ends of the links whereby the vehicle body movement may be controlled, and rods extending at right angles to each other carrying slides to which the links are connected to control the vehicle body movement.

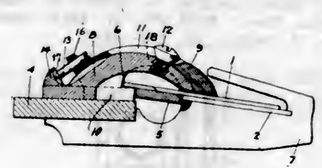
1,583,165. PROPELLER. JAMES J. NICHOLSON, Detroit, Mich. Filed Feb. 21, 1925. Serial No. 10,743. 2 Claims. (Cl. 170—172.)

1. A propeller comprising a hub having a pair of opposed radiating blades, transverse ridges on the outer flat surfaces of the blades, said ridges having sharply angled abutments directed towards the hub and bevelled surfaces inclined towards the entering edges of the blades, a tube adjacent the entering edge of each blade, a hollow shaft on which the hub is fixedly engaged, said hollow shaft being in communication with a supply of compressed air or the like, said tubes passing through the hub to communicate with said shaft and containing openings adapted to deliver an air blast upon the bevelled surfaces of the blades in a direction opposite that of rotation of the blades.

1,583,166. MANUFACTURE OF CANDY AND CONFECTIONS. JULIUS J. PAWLAS, Watsonville, Calif. Filed Mar. 20, 1922. Serial No. 545,018. 1 Claim. (Cl. 107—10.)

A mold for use in connection with the making of candy beads or drops with a string passing therethrough, said mold comprising an elongated body, one end of said body being relatively wide as compared to its thickness and substantially wedge-shaped in longitudinal cross-section, the other end of said body being provided with a handle, and a plurality of openings passing longitudinally through said body and through said handle, each of said openings being adapted to hold a string, whereby plastic candy may be worked around the mold and drawn from the wedge-shaped end thereof with the strings space along the median line of the candy in readiness to be fed to a forming machine.

1,583,167. MOWING MACHINE. OLOF PEHRSON, Falun, Sweden. Filed Dec. 26, 1924. Serial No. 758,227. 11 Claims. (Cl. 56—305.)

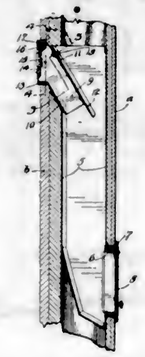


1. In a mowing machine, the combination of a finger-bar, fingers secured thereto, a knife-bar, knife means carried by the latter bar, and means for imposing pressure upon the knife means and the knife-bar; said presser means embodying a movable member supported by the finger-bar and bearing at its front end directly upon the upper face of the knife means, a projection on said member bearing directly against the under face of the rear portion of the knife means and also directly against the rear edge face of the knife bar, and adjusting means for varying the position of said member and thereby the pressure exerted by its said front end and projection.

1,583,168. MAIL BOX. BERNARD T. PENNIG, St. Paul, Minn., assignor to Penn-Greg Mfg. Co., St. Paul, Minn., a Copartnership consisting of Joel E. Gregory, Esther Sophia Strand, and said Bernard T. Pennig. Filed Sept. 22, 1922. Serial No. 589,877. 4 Claims. (Cl. 232—19.)

1. A mail box adapted to be mounted between the inner and outer walls of a building, provided at the lower portion of its inner wall with an outlet opening and having at the upper portion of its outer wall an adjustable portion formed with an inlet opening, said adjustable

portion of the mail box having at its inlet opening a marginal flange equipped with outstanding apertured ears, and a door-equipped door frame capping the marginal

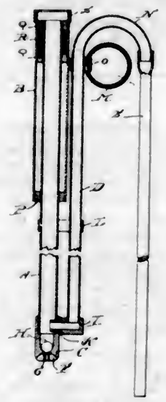


flange on the adjustable portion of the mail box, and screws loosely extended through said ears and having threaded engagement with the door frame.

1,583,169. COATED WELDING ROD. HARRY R. PENNINGTON, Chicago, Ill. Filed May 3, 1922. Serial No. 558,289. 1 Claim. (Cl. 219—8.)

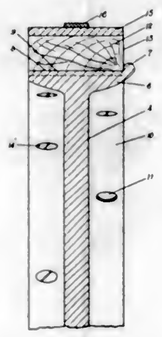
An electrode for arc welding comprising a metal core having a coating containing sodium silicate, calcium carbonate and a third ingredient to control the fusion point of the electrode, the sodium silicate being at least as great by volume as the voluume of the two other ingredients.

1,583,170. SIPHON PUMP. WILLIAM A. PERVIER, Watertown, Mass., assignor to Charles E. Parkhurst, Somerville, Mass. Filed Feb. 27, 1924. Serial No. 695,464. 4 Claims. (Cl. 183—153.)



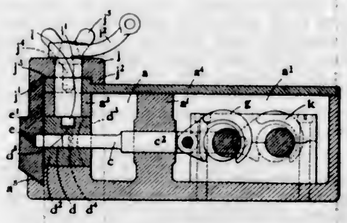
1. A device of the character described comprising a barrel having a hollow handle telescoped over its upper end and a hollow head telescoped over its lower end, said handle having a tight sliding fit with the barrel and said head being fast thereto, and a ball valve seating downwardly in said head, said head having a cross-cut in its lower end to admit liquid when resting upon the bottom of a container.

1,583,171. BAND-SAW WHEEL AND DEMOUNTABLE RIM THEREFOR. WILLIAM F. PRAU, Cincinnati, Ohio. Filed Sept. 20, 1924. Serial No. 738,965. 3 Claims. (Cl. 143—30.)



1. In a band saw wheel the combination with a flanged disc, spaced lugs on the periphery of said wheel, the wheel having perforations extending through the flange and lugs, a circular felloe seated on the lugs, and removable means insertible through the perforations and extending into the felloe for removably securing the felloe to the wheel.

1,583,172. INKING MECHANISM FOR PRINTING MACHINES. THOMAS EWART PHYTHIAN, Leeds, England, assignor to R. W. Crabtree and Sons, Limited, Victoria Iron Works, Leeds, England. Filed Nov. 21, 1925. Serial No. 70,631. 4 Claims. (Cl. 101—365.)

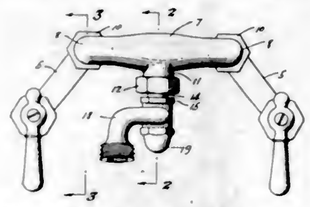


1. Inking mechanism for printing machines, comprising a duct to which ink is supplied and a plurality of valveless plunger pumps each comprising two plungers and two cylinders, one plunger operating to withdraw ink from the duct and to force it into the cylinder of the other plunger which latter plunger ejects the ink on to the ink distributing cylinder or drum, substantially as hereinbefore described.

1,583,173. COMBINATION VALVE. EMIL PRICE and WILLIAM A. PFISTER, Los Angeles, Calif. Filed Sept. 16, 1925. Serial No. 56,660. 5 Claims. (Cl. 277—18.)

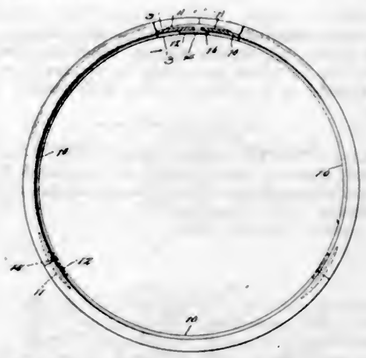
1. A fixture of the character described comprising the combination of faucets having connections for spaced parallel service pipes, said faucets having goose neck spouts and valve stems coaxial with said connections, handles for said stems, and a bridge member provided with a discharge spout joining said faucets and connected to said faucet spouts by swivel connections.

5. A fixture of the character described comprising the combination of faucets adapted to be connected to spaced parallel service pipes, said faucets having goose neck spouts, a bridge member joining said faucets and connected to said faucet spouts by swivel connections, said bridge member having a lateral discharge extension, a nipple connected to said extension, said nipple



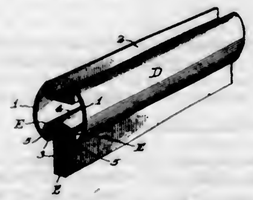
being closed at its outer ends and having lateral discharge ports, and a spout having a lateral nipple receiving bore at the ends pivotally mounted on said nipple.

1,583,174. COLLAPSIBLE TIRE RIM. ALADAR PRINCE, New York, N. Y., assignor to Leon T. Dour, Emil J. Dour, Frederick J. Dour, and Aladar Prince, doing business as Prince and Dour Bros., New York, N. Y. Filed May 22, 1924. Serial No. 715,037. 2 Claims. (Cl. 301—31.)



1. A tire rim comprising a plurality of rim sections, the ends whereof are cut away to form recesses; and a plurality of clips for holding said sections, each of said clips having a shank fitting said recesses and provided with plates adapted to overlap the ends of said sections adjacent said recesses for retaining said sections in service relation.

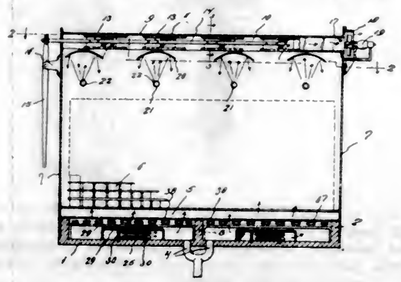
1,583,175. WINDSHIELD TUBING. RAYMOND J. PURDY, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed July 25, 1921. Serial No. 487,240. 2 Claims. (Cl. 296—93.)



1. In a windshield construction, a tubular frame member with the wall of said member inbent along the edges of a longitudinal opening in one side of the member with said inbent edges projecting into the

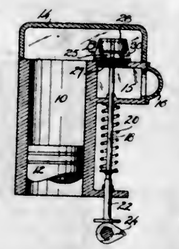
member and bent laterally in opposite directions, and a separable member of channel form in cross section with the channel of greater width than the width of the opening and with the edges of the channel member interlocked with the inbent edges of the frame member whereby a channel is provided within the frame member to receive a weather strip having a thickened edge portion to fit within said channel.

1,583,176. KILN FOR TREATING WOOD. JENS WESTERGAARD QUISGAARD, Richmond, Va. Filed Aug. 6, 1925. Serial No. 48,609. 5 Claims. (Cl. 34—19.)



1. An apparatus for treating wood comprising a housing, means in the housing for supporting wood to be treated in spaced relation above the bottom of the housing, a plurality of spray pipes mounted in the top portion of the housing adapted to produce a spray over the entire interior of the housing and the wood therein, and produce a down flow through said wood, an air conduit extending transversely of the top of the housing having a plurality of openings communicating with said housing, power operated means in said conduit for exhausting the air from the housing in creating an upflow through the wood therein, air inlet members in the bottom of the housing, and heating means in said air inlet members.

1,583,177. VALVE STRUCTURE FOR EXPLOSIVE ENGINES. CHARLES A. RAQUE, Denver, Colo. Filed Feb. 1, 1922. Serial No. 533,313. 5 Claims. (Cl. 123—188.)

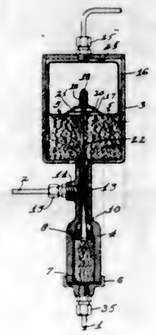


1. In combination, an engine block, a valve casing thereon, said casing having a bore open at one end and gas passages leading laterally from said bore, said engine having a chamber for communication through the open end of said bore, and a valve reciprocable in said casing bore to open and close said passages.

1,583,178. GASOLINE GAUGE. CHARLES L. RAYFIELD, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,367. 3 Claims. (Cl. 73—167.)

2. In a liquid supply device, a conduit, a needle valve controlling the flow through said conduit and arranged

to lessen said flow upon upward movement of said valve, a float chamber into which the liquid passing said valve can flow, an outlet for the liquid between

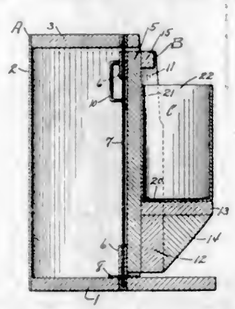


said needle valve and said float chamber, a float in said float chamber, an adjustable connection between said needle valve and said float, and a pneumatic indicator connected to said float chamber.

1,583,179. ARTIFICIAL ALUMINOUS ABRASIVE AND PROCESS OF MAKING SAME. HAROLD ANTHONY RICHMOND, Porter, and ROBERT MACDONALD, Jr., Niagara Falls, N. Y., assignors to General Abrasive Company, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,043. 17 Claims. (Cl. 23—142.)

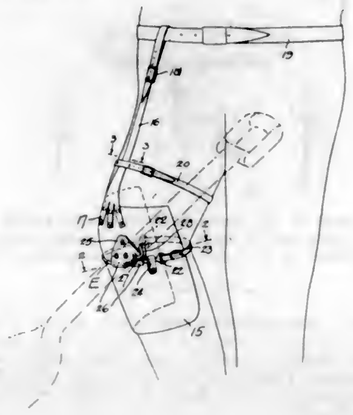
1. In the production of crystalline alumina from an aluminous ore the improvement which consists in lowering the operating temperature by the addition of an alkaline earth to the furnace charge.

1,583,180. ROTARY BIN. JOSÉ MARIOJAS, Eagle Pass, Tex. Filed Jan. 7, 1924. Serial No. 684,854. 1 Claim. (Cl. 211—6.)



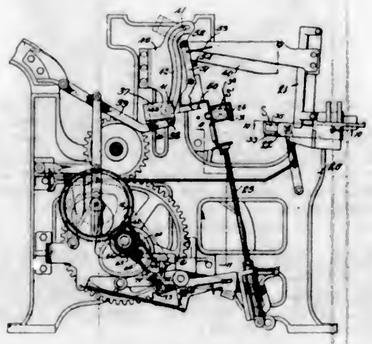
In a device of the class described, a casing including a circular bottom and a semicircular top with a semicylindrical wall therebetween, a shaft extending between the top and bottom, a door having a pair of sleeves on one side thereof for receiving the shaft, one of said sleeves extending below the bottom edge of the door, a washer on the shaft resting on the bottom of the casing so as to be engaged by the bottom sleeve on the door, and a platform on the other side of said door for supporting a bin.

1,583,181. FULCRUM DEVICE FOR EARTH-WORKING IMPLEMENTS. SALVADOR RUBIO, Los Angeles, Calif. Filed Apr. 28, 1924. Serial No. 709,626. 9 Claims. (Cl. 224—5.)



1. In combination, an earth working implement, a rigid element providing a fulcrum point about which a shovel may be rocked, and means for detachably securing the element in a definite position with respect to the knee.

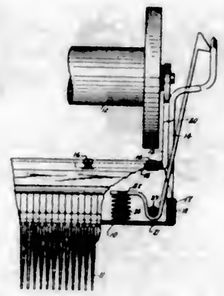
1,583,182. SHUTTLE-CHANGING LOOM. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1923. Serial No. 629,243. 7 Claims. (Cl. 139—239.)



1. In a shuttle changing loom, a shuttle transfer receptacle and elevating mechanism therefor, said receptacle having its back wall mounted for rearward yielding movement to prevent damage from a misplaced shuttle.

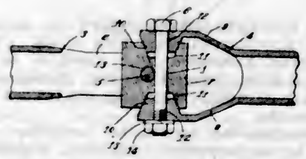
1,583,183. TUBE-FRAME SUPPORT. EPPA H. RYON, Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1923. Serial No. 669,868. 4 Claims. (Cl. 139—10.)

4. As an article of manufacture, a rigid chain-engaging hook adapted for use in a hollow tube frame having an open end, said hook having a curved portion forming an open bearing and having a laterally projecting end por-



tion, a coil spring to move said hook, and means to permanently secure said spring to the projecting end portion of said hook to be handled as a unit therewith.

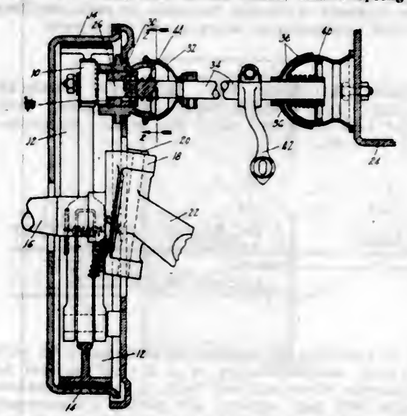
1,583,184. UNIVERSAL JOINT. SWAN A. SANDBERG, Lee Center, Ill. Filed Aug. 15, 1925. Serial No. 50,388. 1 Claim. (Cl. 64—102.)



In a joint between two relatively pivoting members, as in a universal joint, one of which members has a forked end portion and the other of which carries a block on the adjacent end thereof to enter within said forked portion, a bolt passing through said fork and block to join the two together, said fork having a pair of cone-shaped heads provided in the form of integral projections on the inside of the arms thereof in facing relation, having central openings therethrough and through said fork arms to receive said bolt substantially in coaxial relation therewith, and said block having an opening therethrough to receive said bolt and having cone-shaped sockets at opposite ends of said opening to accommodate said cone-shaped heads with a close swivel fit, said fork arms being expansible to permit the passing of the projecting heads thereon about the sides of said block and being thereafter arranged, with the heads engaged in the sockets, to be drawn together more and more from time to time by the progressive tightening of said bolt to take up wear on the heads and in said sockets and maintain the desired close swivel fit of the heads in the sockets and thereby eliminate play in the joint.

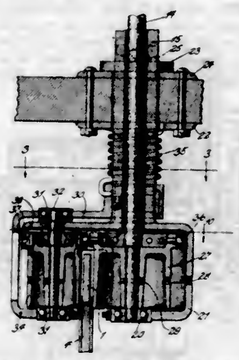
1,583,185. BRAKE-OPERATING MECHANISM. ROY S. SANFORD, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1925. Serial No. 66,273. 20 Claims. (Cl. 188—194.)

1. Brake-operating mechanism for a brake on a swivelled wheel comprising, in combination, swivelling and non-swivelling shaft sections approximately in alinement with each other when the wheel is directed straight ahead and with the joint between them approximately at the swivelling axis of the wheel, and a spring con-



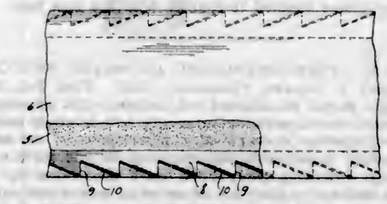
necting said sections and permitting the swivelling of the wheel and serving as a torque-transmitting element between said sections in all positions of the wheel.

1,583,186. LINE-BELT DRIVE. FREDERICK E. SCHIEB, St. Louis, Mo. Filed July 11, 1924. Serial No. 725,888. 28 Claims. (Cl. 192—11.)



1. A line belt drive for operating a number of machines comprising a belt, a pair of pulleys between which said belt operates, means for moving one of said pulleys in a direction to press the belt against the other, and gearing for rotating one of said pulleys by the other.

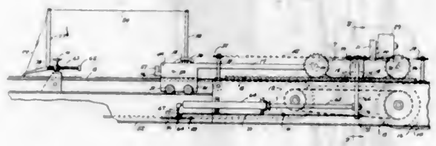
1,583,187. REENFORCED PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed Nov. 4, 1924. Serial No. 747,795. 5 Claims. (Cl. 154—45.9.)



5. A plaster board of the character described comprising a cementitious body, a reenforcement strip of pliable material embedded in the edge thereof and extend-

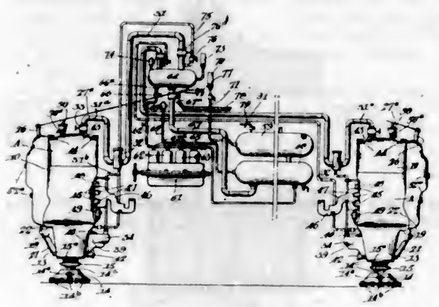
ing longitudinally thereof, said strip being slit laterally to form triangular tongues upset therefrom with their planes arranged in echelon formation so as to reenforce the board longitudinally, laterally and transversely.

1,583,188. MACHINE FOR SEVERING PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed June 30, 1925. Serial No. 40,551. 29 Claims. (Cl. 164—68.)



1. In a machine for severing an advancing strip while in motion, the combination of a moving conveyor for continuously advancing said strip, a cutter mechanism movable with said conveyor and having a transversely movable cutter, means for moving said cutter mechanism with said conveyor and at the same time moving said cutter transversely, and means operated by said strip in its travel to control movement of said mechanism.

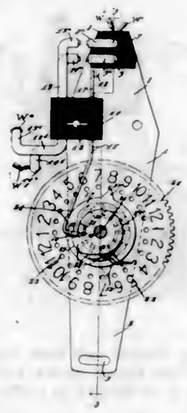
1,583,189. JACK. RAYMOND DORSEY SCOTT, Chicago, Ill. Filed May 2, 1923. Serial No. 636,201. 3 Claims. (Cl. 138—9.)



1. In a lifting jack of the character described comprising a casing and a jack foot, a plunger provided with a two section plunger rod, wrist pin and swivel joint connecting means for said sections, a recess in the lowermost of said sections, a ratchet bar adapted to engage said recess, a slot on said section, a release latch, and a dog carried by the release latch adapted to engage with the slot, adjustment means for said lower plunger rod section, comprising a wing check nut, and a ball stud pin, lock nut for said pin and ball socket, and screw attaching means adapted to connect with the jack foot.

1,583,190. TIME-CONTROLLED AUTOMATIC SWITCH. ROBERT D. SHAFER, Pleasanton, Calif. Filed Feb. 20, 1923. Serial No. 620,244. 2 Claims. (Cl. 200—38.)

1. In a time controlled automatic switch, clock mechanism including a gear; of a plate mounted on said mechanism, a gear rotatably mounted on said plate and meshing with said gear of the clock mechanism to be driven thereby, a plurality of series of superposed cams mounted to turn with said driving gear, a pair of contact makers and breakers arranged to respectively engage the cams of the respective series, the cams of the series being adjusted whereby the switch controlled thereby may be closed when desired and remain closed a predetermined time according to the position of the cams, the cams of



the respective series being operable independently, and means for adjusting the cams of the respective series, said means comprising disks having peripheral projections to operate as finger grips.

1,583,191. WATERPROOFING COMPOUND AND PROCESS OF MANUFACTURING THE SAME. CLARENCE D. SHAFFER, Kalamazoo, Mich., assignor to Textile Leather & Metal Preserver Co. Inc., Kalamazoo, Mich. Filed Jan. 26, 1923. Serial No. 615,169. 3 Claims. (Cl. 134—15.)

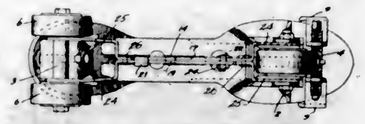
1. A waterproofing preparation consisting of para cumarone in the proportion of 5 parts, dissolved in 8 parts of high flash naphtha and diluted with 18 parts of gasoline, 10 parts of paraffin dissolved and melted in 64 parts of gasoline, and 10 parts of rubber cement diluted with 10 parts of gasoline, all mixed together.

1,583,192. CARPET SWEEPER. JAMES LIGHTFOOT SHORROCK, Accrington, England. Filed July 26, 1922. Serial No. 577,686. 1 Claim. (Cl. 15—48.)

In a carpet sweeper the combination with a casing and a single brush of a supporting rod secured to the underside of the top of said casing plurality of separate and independent members each with two tines set at an angle to each other, the tines at one side of said rod being in contact with the brush while those at the other side are out of contact with it, said members being free to rock so that one tine of each member is clear of the brush according to the direction of rotation thereof.

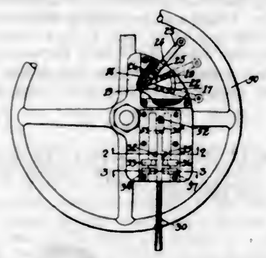
1,583,193. ROLLER SKATE. FREDERICK R. SHUGART, Sacramento, Calif. Filed May 31, 1924. Serial No. 717,152. 5 Claims. (Cl. 208—175.)

1. In a roller skate, two rear wheels, a single front wheel arranged in spaced relation and offset from opposite faces of the rear wheels, parallel axles supported in the wheels, an extensible foot base supported over the axles and an extensible guard connecting the two axles, said guard being formed of two plates disposed on edge



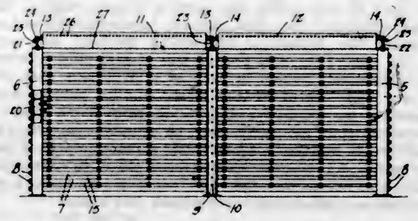
with holding means on one plate extending through a longitudinal slot in the other plate, and one of said plates terminating in a yoke which receives the front wheel.

1,583,194. ELECTRIC SWITCH. WALTER L. SLAYTON, Toledo, Ohio. Original application filed Jan. 26, 1924, Serial No. 688,749. Divided and this application filed June 24, 1925. Serial No. 39,181. 3 Claims. (Cl. 200—6.)



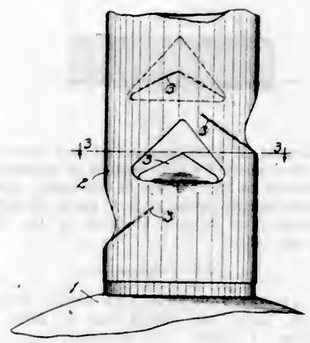
1. In a switch, a casing, spaced opposed contacts in the casing, a lever arranged in the space between the contacts, a socketed element pivoted to an end of the casing and receiving an end of the lever therein, said element having a peripheral curved transverse slot extending into the socket thereof, a pin carried by said end of the lever and extending into the slot, a spring in the socket engaging said end of the lever to tension the latter, a lateral projection on the lever, and contacts carried by the bottom of the casing and underlying the lever for engagement with the lever projection upon rotating movement of the lever.

1,583,195. COOLING DEVICE. FRANK W. STEERE, Highland Park, Mich. Filed July 8, 1924. Serial No. 724,811. 1 Claim. (Cl. 257—183.)



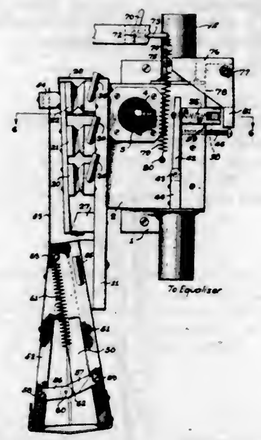
A device of the class described comprising a header, a plurality of pipes arranged in parallel relation extended into said header and connected in series with each other, a plurality of plugs in said header opposite the ends of said pipes, a plurality of strips extended between said pipes and a pair of outwardly flared clips secured to each of said strips, one on either side of and bearing against adjacent sides of two of said pipes for securing said strips.

1,583,196. FLUE. WILLIAM F. STEWART, St. Louis, Mo. Filed Oct. 13, 1923. Serial No. 668,277. 5 Claims. (Cl. 126—307.)



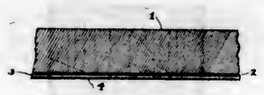
1. A flue for gas water heaters and the like having openings therethrough arranged in substantially helical series and inwardly bendable tongues at the bottoms of said openings.

1,583,197. EXPRESSION MECHANISM FOR PLAYER PIANOS. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 15, 1923. Serial No. 668,456. 10 Claims. (Cl. 84—41.)



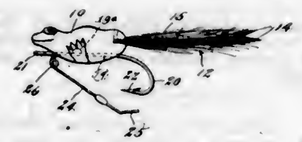
1. In an automatic musical instrument having a main source of power and player pneumatics, in combination, a throttle valve interposed between said source of power and player pneumatics; pneumatic means to bias said valve toward closed position; yielding means to bias said valve toward open position; means to adjust said yielding means to any desired tension; and additional pneumatic means, normally disconnected from said valve, to bias said valve toward open position.

1,583,198. METHOD OF PROTECTING METAL AND METAL STRUCTURES. JOSEPH B. STRAUSS, Chicago, Ill. Filed May 5, 1922. Serial No. 558,759. 2 Claims. (Cl. 91—68.)



1. The method of protecting metal and metal structures from deterioration which consists in applying paint and an adhesive to the surface of the metal, and then applying nonoxidizing material in a finely divided state so as to cause it to be held in place by the adhesive to protect the paint.

1,583,199. ARTIFICIAL BAIT FOR FISH. WALTER C. TAYLOR, St. Louis, Mo. Filed June 9, 1922. Serial No. 566,924. 1 Claim. (Cl. 43—42.)

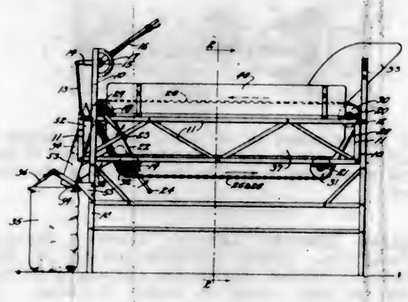


An artificial bait for fish comprising a body portion representing a frog, flexible members secured to said body portion and projecting rearwardly therefrom at an angle to the axis thereof and on a plane therewith, said members being adapted to simulate frog's hind legs in action, and a fish hook secured to said body portion and spaced below said flexible members.

1,583,200. CRAYON HOLDER. HERMAN A. THIEHRY, Detroit, Mich. Filed Oct. 8, 1924. Serial No. 742,332. 3 Claims. (Cl. 120—13.)

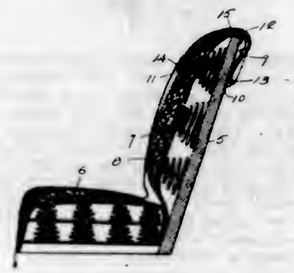
1. A crayon holder, comprising a wooden holder that may easily split and which is provided with a tapered recess for receiving a tapered crayon, said wooden holder provided with means for limiting the wedging action of the crayon in said recess to prevent undue spreading of the fibres of the said wooden handle tending to split the same and destroy the utility of the article.

1,583,201. DEVICE FOR GRADING AND PACKAGING ARTICLES ACCORDING TO SIZE. JAMES THOMPSON, Greeley, Colo. Filed Oct. 10, 1924. Serial No. 742,882. 5 Claims. (Cl. 209—307.)



1. A sorting machine comprising, a supporting frame; a sorting frame within said supporting frame; a plurality of sorting chains carried in said sorting frame; a pivot for supporting one extremity of said sorting frame from said supporting frame and means for raising or lowering the other extremity thereof above and below said pivot.

1,583,202. SEAT COVER. JESSE L. THORNBURY, English, Ind. Filed July 18, 1923. Serial No. 652,269. 1 Claim. (Cl. 155—182.)

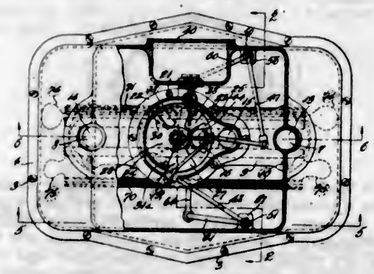


A seat cover comprising an oblong sheet of textile material, longitudinally extending pockets secured to one face of said material and within the borders of said material in spaced apart relation to each other and at one end of said sheet, the pockets being closed at the ends adjacent the end of the material, horseshoe-shaped clips formed of flat spring material and each having one of its ends beaded, one of said clips inserted and completely housed in each of said pockets with the beaded end located at the closed end of said pockets whereby the cutting or fraying of said closed ends is prevented and the cover may be readily attached and detached to and from a seat back without impairing the flexibility of the cover, and without the clips contacting with the seat cover, the clips being readily removable so that said sheet can be laundered and ironed.

1,583,203. GAS METER. HERBERT F. TOLHURST, Cleveland, Ohio. Filed June 3, 1921. Serial No. 474,673. 11 Claims. (Cl. 73—1.)

1. A fluid meter, comprising a casing having two body members provided with meeting faces, a supporting member extending across the interior of one of said members and of less width than said casing through the same plane whereby the interior of said casing may

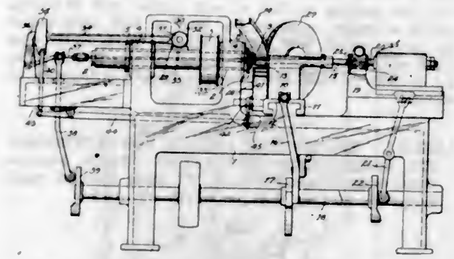
serve as a measuring compartment, two bellows both exposed in said casing and each having a measuring compartment therein, a valve seat on said supporting member provided with three ports, one communicating with each of said three measuring compartments, and a valve working on said seat controlling the flow of fluid to said three compartments.



1,583,204. PROCESS FOR IMPARTING A FINISH TO SHOE HEELS. CLIFFORD D. UPTON, Piqua, Ohio. Filed Apr. 4, 1925. Serial No. 20,681. 2 Claims. (Cl. 91—70.)

2. The process of making wood shoe heels which consists in first reducing the moisture content in the wood to a very small amount, coating the heel with a filler, applying a suitably colored enamel to the heel, and then applying a rubber enamel coating over the first mentioned enamel coating to prevent abrasions or scratches and then baking the heel at a temperature of 100 to 300 degrees Fahrenheit.

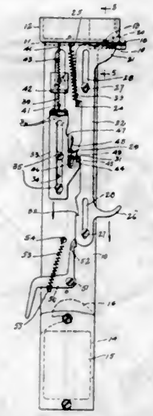
1,583,205. MACHINE FOR END GRINDING CONICAL ROLLS. HERBERT VANDERBEEK, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 30, 1923. Serial No. 654,515. 14 Claims. (Cl. 51—89.)



1. In a machine of the kind described, a work positioning means comprising a rotatable work holder slidable axially from normal position, and automatic means for indexing said work holder longitudinally according to the size of the work and keeping said work holder in its indexed position throughout the operation on the work in said holder.

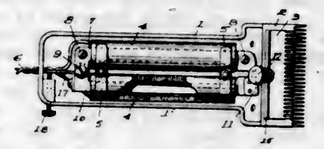
1,583,206. FLASH PISTOL. WILLIAM VOGEL, New York, N. Y. Filed Aug. 25, 1925. Serial No. 52,293. 3 Claims. (Cl. 67—29.)

1. In a flash pistol, the combination of a frame, a powder pan attached thereto and having a priming hole, a reciprocating hammer slidable along the frame toward and from said hole, means to hold a primer at the hole in the path of the hammer, means to project the hammer forcibly against the primer to explode it, and shutter actuating mechanism timed for proper functioning with respect to the firing of the primer, said shutter



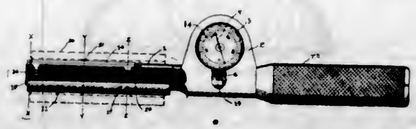
actuating mechanism comprising an abutment, a tubular actuator, and means to carry the tubular actuator into contact with said abutment for operating the camera.

1,583,207. CLIPPERS. LEO J. WAHL, Sterling, Ill. Filed Feb. 4, 1924. Serial No. 690,442. 10 Claims. (Cl. 175—338.)



1. In a clipper the combination of a handle portion, a pair of stationary electro-magnetic coils mounted therein, a stationary pole-piece for one of said coils, a movable pole-piece extending into the other of said coils, and a moving element connected to said movable pole-piece to be moved thereby.

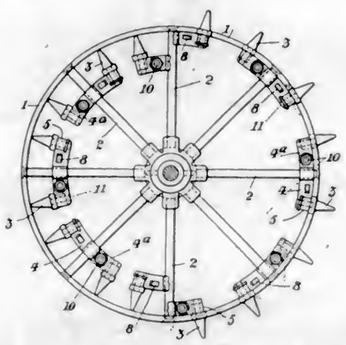
1,583,208. BORE-TESTING DEVICE. GLEN J. WALKER, Indianapolis, Ind., and FLOYD M. WALKER, Detroit, Mich., assignors to Advance Pattern and Production Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 21, 1922. Serial No. 530,811. 7 Claims. (Cl. 33—178.)



1. A device for testing the accuracy of bores and the like, comprising an elongated body adapted to be inserted endwise in a bore, operating means extending longitudinally of the body, with one end arranged to engage the wall of the bore, yielding means for engaging the wall of the bore and movably supported by the body to yield inwardly thereof, said means extending throughout the length of the portion of the body to be inserted in a

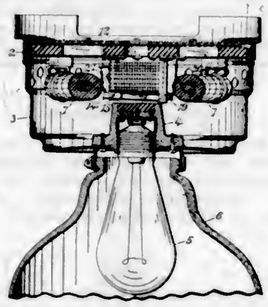
bore, and indicating means actuated by said operating means, said indicating means being carried by the body outside of said bore when said body is inserted in the bore.

1,583,209. TRACTION DEVICE. WILLIAM BURNS WALLACE, Glasgow, Scotland, assignor to John Wallace and Sons, Limited, Glasgow, Scotland. Filed Aug. 25, 1925. Serial No. 52,338. 11 Claims. (Cl. 301—50.)



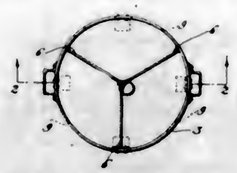
2. A spud arrangement for wheels, comprising, in combination, spuds, means for carrying said spuds and for permitting radial and turning movements of the spuds from inoperative positions within the periphery of the wheel rim into operative positions in which they protrude beyond the periphery of the wheel rim, means for clamping said spud-carrying means to the wheel so that the spuds can occupy inoperative or operative positions and means for interlocking the protruding spuds with, and on opposite sides of, the wheel rim.

1,583,210. ELECTRIC-LIGHTING SYSTEM. WILLIAM C. H. WEFEL, Denver, Colo. Filed Mar. 19, 1923. Serial No. 626,076. 6 Claims. (Cl. 176—10.)



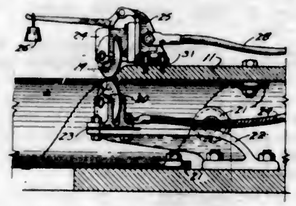
1. In a system of regulating the current flow in an electric lighting circuit, a circuit, a lamp therein, an electromagnet including a main coil and an auxiliary coil connected in the circuit in series with each other and the lamp, and a switch closed by the magnet and connected in the circuit to provide a by-path around the auxiliary coil, the combined resistances of the two coils being high enough to restrict the initial flow of current to the lamp and the two coils being relatively arranged for conjoint magnetic action to operate the switch.

1,583,211. VENTILATED FOOD RECEPTACLE. HENRY H. WESTINGHOUSE, New York, N. Y. Filed May 18, 1922. Serial No. 561,814. 2 Claims. (Cl. 45—71.)



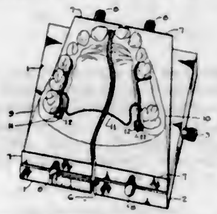
2. A food receptacle comprising a metallic container having a closed bottom and side walls provided with air inlet openings, a removable perforated plate supported in said container above said air inlet openings and forming a dry chamber between said plate and said closed bottom, and a separately removable member having vertical partitions extending substantially the full height of the container to divide the container into a plurality of food compartments and supported by said removable plate.

1,583,212. LAP-WELDED PIPE. FREDERICK L. WILLIAMS, Denver, Colo. Filed Feb. 7, 1924. Serial No. 691,158. 4 Claims. (Cl. 219—6.)



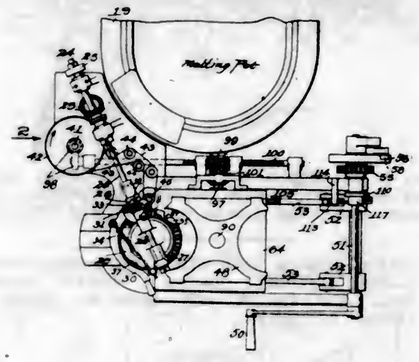
4. An apparatus for making sheet metal pipe comprising a stationary former, the interior surface of said former being cylindrical; rollers arranged at an angle to the axis of said cylinder and adapted to force a strip of sheet metal therein, said strip being formed into a closed spiral with overlapping edges by contact with the interior surface of said former and off-setting rollers arranged to off-set one edge of said strip before the latter enters said former so that said overlapping edges will form a projection on the exterior of said pipe, the interior surface being substantially continuous and smooth.

1,583,213. REGULATING DEVICE FOR ORTHODONTIC CORRECTING APPLIANCES. PERCY NORMAN WILLIAMS, Pelham Manor, N. Y. Filed June 25, 1925. Serial No. 39,628. 5 Claims. (Cl. 32—19.)



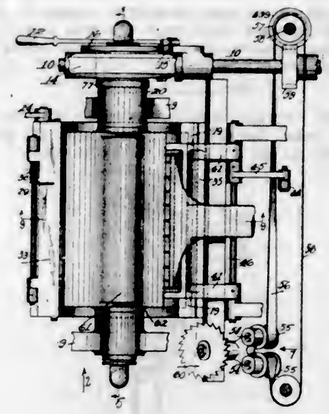
1. A device for regulating the adjustment of orthodontic correcting appliances, comprising separate mounting members adapted to removably support a dental model split into sections and a correcting appliance removably supported on said model, and an actuating means for the mounting members for moving one section of the model relative to another section thereof to cause a change in the form of the correcting appliance.

1,583,214. CURVED-STEREOTYPE-PLATE-CASTING MOLD. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 12, 1922. Serial No. 574,377. Renewed Sept. 14, 1925. 29 Claims. (Cl. 22—2.)



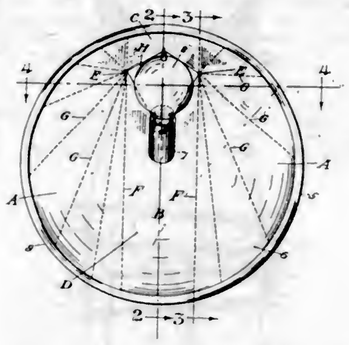
1. In a stereotype plate casting mold, the combination with a score and a back having two concave casting faces oppositely located thereon, of means for separating the back and core, and means for turning the back exactly half way around when they are separated.

1,583,215. CASTING AND FINISHING MACHINE FOR CURVED STEREOTYPE PLATES. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 17, 1923, Serial No. 632,638. Renewed Oct. 15, 1925. 36 Claims. (Cl. 22—3.)



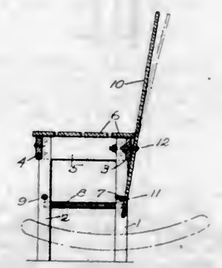
1. As an article of manufacture, a mold for casting a curved stereotype printing plate comprising a segmental back, and a relatively rotatable convex core, said core having a shaving blade thereon in position to shave the entire interior surface of a plate while in its original position in the back.

1,583,216. LIGHT REFLECTOR. JOHN J. WOMPEY, Denver, Colo. Filed Jan. 12, 1924. Serial No. 685,852. 5 Claims. (Cl. 240—41.)



1. A light reflector defining a front edge normally disposed in a vertical plane and having as component parts two like reflecting surfaces on opposite sides of the medial vertical plane, each of said surfaces being composed of substantially parabolic curves defining at one end a substantially semi-circular portion of said front edge and terminating at the other end in a point, the two points in which the curves terminate lying in a plane which, passing through the horizontal diameter of the front edge, forms a substantial angle with the medial horizontal plane through the front edge.

1,583,217. CHAIR. ARTHUR WURDACK, Normandy, Mo. Filed Aug. 18, 1924. Serial No. 732,655. 8 Claims. (Cl. 155—164.)

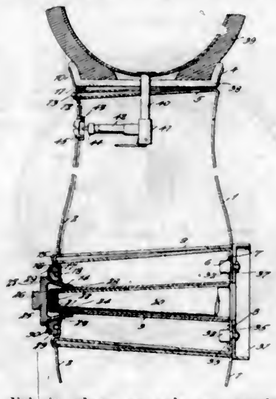


1. In a chair a seat, front and rear legs supporting said seat, a rear rail rigidly connected with the rear legs below said seat, a rung connected with said rear legs in front of the plane of said rail, and an upwardly and rearwardly inclined back member having its lower portion attached to said rung and its intermediate portion attached to said rail.

1,583,218. DISK WHEEL. THOMAS C. YOHO, Cumberland, Ohio. Filed Dec. 19, 1925. Serial No. 76,530. 7 Claims. (Cl. 301—63.)

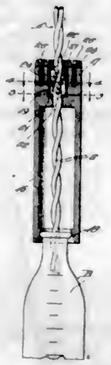
2. A disk wheel, made of spaced inner and outer disk sections, and a hub, the inner disk section having a

shoulder to interfit with the edge of an inner flange of the hub, the outer disk section having an annular shoulder to receive a retaining disk to overlie and hold



the outer disk in place, an axle nut overlying and securing the retaining disk, whereby on removal of such nut, the outer disk is free.

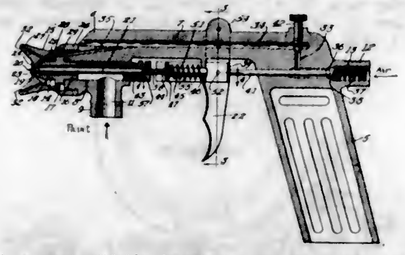
1,583,219. BOTTLE WASHER. OSCAR ANDERSON, Jr., and THOMAS MCCARTHY, Fall River, Mass. Filed Oct. 15, 1923. Serial No. 668,671. 2 Claims. (Cl. 74—14.)



2. A device of the class described comprising a shaft and a hollow cylinder having openings in its end walls through which said shaft passes, said cylinder and shaft being relatively reciprocable and the latter being formed with slowly pitched ways, said cylinder having portions received in said ways to produce rotation of the shaft, and rows of bearing balls in the portions of said ways within the cylinder, said balls engaging the wall of said cylinder.

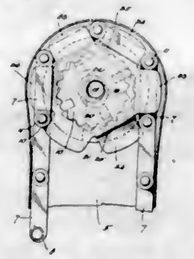
1,583,220. SPRAY GUN. SWAN F. ANDERSON, Rockford, Ill., assignor, by mesne assignments, to Peerless Pneumatic Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed November 11, 1922. Serial No. 600,241. 13 Claims. (Cl. 91—45.)

8. A spray gun comprising, a body, a nozzle structure and a handle on opposite ends of the body, a trigger mounted on the body intermediate said nozzle structure extending rearwardly toward the handle, a yoke pivoted to the body and having a cross-head with which the needle valve is connected, a compression spring interposed between the body and said yoke under a tension tending to seat the needle valve, a threaded connection between the needle valve and yoke,



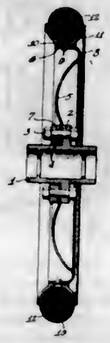
and a part slidable lengthwise on the needle valve and connected to rotate therewith for adjusting the needle valve in its threaded connection with the yoke.

1,583,221. CHAIN AND WHEEL FOR SASH-REGULATING DEVICES. GUSTAVE A. CARLSON, Detroit, Mich. Filed Apr. 22, 1925. Serial No. 25,005. 4 Claims. (Cl. 74—31.)



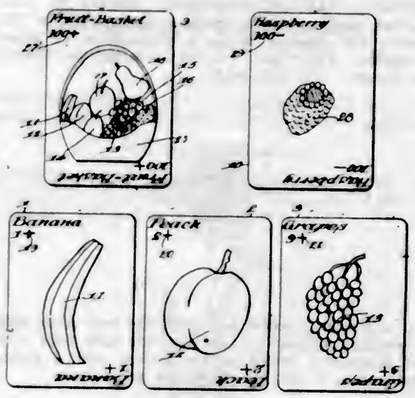
1. In a sash regulating device wherein a sash is adapted to be raised by a chain trained over a wheel; a chain and wheel drive for such device, the wheel being comparatively flat and pressed from sheet metal to provide offset teeth, and the chain being composed of articulated flat links adapted to engage on alternate sides of the offset wheel teeth and have a driving relation established by ends of said links engaging end walls of said wheel teeth.

1,583,222. WHEEL FOR INDUSTRIAL TRUCKS. JOHN W. COATES, Detroit, Mich. Filed Sept. 17, 1925. Serial No. 56,909. 1 Claim. (Cl. 301—63.)



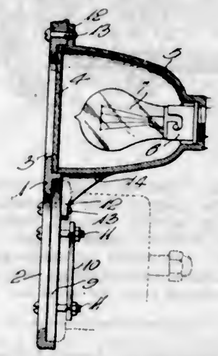
A wheel comprising a disk body having a peripheral flange, a tire supporting rim mounted on the flange of said disk body, and means between said body flange and rim preventing circumferential shifting of the rim on the flange, said rim being split so that it may be sprung on said body flange and cause said means to become effective as a connection between said rim and body flange.

1,583,223. CARD GAME. MAREN KATHERINE COOKE, Spokane, Wash., assignor to Anna M. Hull, McKenna, Wash. Filed Dec. 23, 1925. Serial No. 77,281. 5 Claims. (Cl. 273—152.)



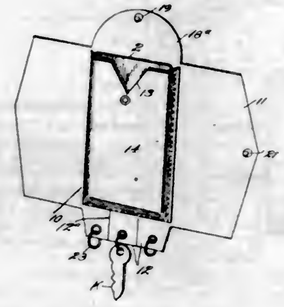
2. A card game of the class described, comprising, a pack of playing cards divided into sets of cards and the several cards of each set each bearing the representation of one kind of fruit, and one or more objective cards each bearing the representation of a basket containing all the specimens of fruit shown on the cards of each set.

1,583,224. SIGNAL ATTACHMENT FOR AUTOMOBILE TAIL LIGHTS. ARNO A. EWALD, Oakfield, Wis., assignor to Romort Manufacturing Company, Oakfield, Wis. Filed Mar. 22, 1923. Serial No. 626,923. 3 Claims. (Cl. 177—329.)



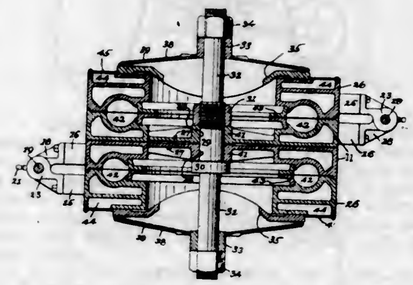
3. The combination with a tail lamp having the usual lens and holding means therefor, of a face plate having an opening with a signal lens in said opening and a second opening for exposing the tail lamp lens, a casing having an open end, lamp-holding means in said casing, means for securing said casing with its open end at said signal lens and opening and means for securing said plate to said tail lamp with the said second opening over the tail lamp lens, the outer face of the plate being in substantially a vertical plane throughout its area, giving the appearance that the tail lamp and the associated parts all form a single article of manufacture.

1,583,225. LICENSE HOLDER AND KEY CASE. BERT W. FLANDERS, Lomita, Calif. Filed Oct. 4, 1924. Serial No. 741,599. 3 Claims. (Cl. 150—40.)



1. A pocket safe for vehicle driver's license, comprising a main casing including a central panel having side flaps to overlap and fasten on each other, an inside back piece secured to the panel within the side lines of fold of the flaps and forming an open top chamber, a tongue on the top end of the casing and fastenable down over the top of said chamber and onto said back piece, and a back-bone forming cell in the chamber for receiving and protecting the license and prevent crumpling of the casing; the top of said cell and the top of the said back piece being cut away to form a finger hole for access.

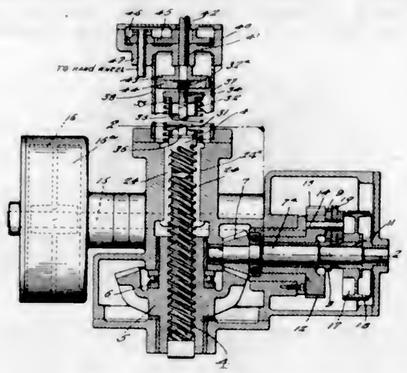
1,583,226. VULCANIZER. JOHN FLYNN, Akron, Ohio, assignor to The Williams Foundry and Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 30, 1925. Serial No. 65,776. 19 Claims. (Cl. 18—38.)



1. A watch case vulcanizer comprising a movable annular mold section; a cooperating mold section; and securing means for holding said movable section in position upon said cooperating section comprising a stud arranged to extend through the center opening of said movable section when said movable section is in such

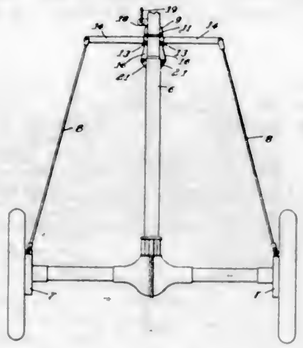
position, spider means arranged to bear against said movable section to force said movable section toward said cooperating section, and connecting means cooperating with said stud and arranged to engage said spider means to act through said spider means to force said movable section toward said cooperating section.

1,583,227. POWER PRESS. WILLIAM R. FOX, Jackson, Mich. Filed June 12, 1924. Serial No. 719,635. 6 Claims. (Cl. 29—85.)



1. In combination in a power press, a ram comprising a member having a screw threaded portion, a nut engaging the screw threaded portion of said member to move the ram axially to its work, means for rotating the nut, and means for restraining the screw threaded ram against rotary movement, said means for operating the nut comprising planetary drive gearing, a brake drum, a band for said drum and means manually operated for restraining the drum to render the gearing effective in driving the nut and advancing the ram in an axial direction.

1,583,228. BRAKE-OPERATING ATTACHMENT FOR MOTOR VEHICLES. FRANK C. FRANZEN, Rockford, Ill. Filed July 11, 1924. Serial No. 725,321. 9 Claims. (Cl. 188—204.)

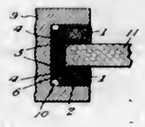


2. In a brake-operating mechanism, in combination, a pair of brake-connected levers for a pair of separate wheels, a manually operable pull rod, and a double toggle-joint connection between said rod and levers whereby brake pressure increasing and equalizing is secured for the brakes of the two wheels by a pull on said rod.

1,583,229. METHOD OF MANUFACTURE OF ARTICLES IN FUSED SILICA. HENRI GEORGE, Paris, France, assignor to Société Anonyme "Quartz & Silice," Paris, France, a Corporation of France. Filed Dec. 23, 1924. Serial No. 757,772. 3 Claims. (Cl. 49—78.1.)

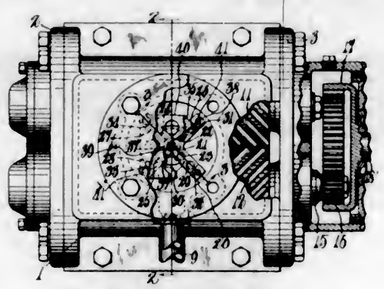
1. A method for manufacturing articles of fused silica intended, more particularly for electro-technical uses, comprising shaping the articles by the direct action of machine tools of suitable harness, mounted in a tool carrying machine.

1,583,230. WINDOW CHANNEL. ERNEST M. GUILLAUME, Jackson, Mich., assignor to The Felters Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Mar. 14, 1924. Serial No. 699,277. 9 Claims. (Cl. 296—44.5.)



1. A window channel including side wall filler strips, a covering surrounding and enclosing said filler strips and forming a double walled bottom, and a backing strip secured to and for reinforcing said bottom.

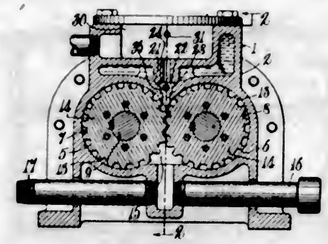
1,583,231. COMPRESSOR. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 15, 1924. Serial No. 693,120. 24 Claims. (Cl. 230—30.)



1. In a rotary compressor, means forming a casing having intercommunicating rotor chambers, rotors in said chambers having spirally disposed intermeshing tooth blades forming with the walls of said chambers compression pockets, and means for discharging compressed fluid including ports communicating with said chambers at different distances from the mesh line of said rotors.

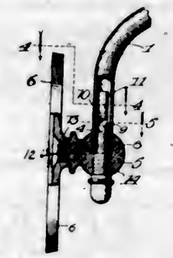
1,583,232. COMPRESSOR. LEWIS J. CLAPP, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 15, 1924. Serial No. 693,106. 20 Claims. (Cl. 230—30.)

1. In combination, in a compressor, a casing having intercommunicating rotor chambers, rotors therein having intermeshing spiral tooth blades forming longitudinally contracting compression pockets, and discharge



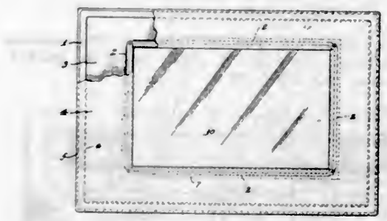
means comprising a port communicable with said compression pockets for different portions of their existence.

1,583,233. WALL BRACKET. LEWICKI J. LEON, Chicago, Ill. Filed Jan. 10, 1925. Serial No. 1,577. 3 Claims. (Cl. 248—24.)



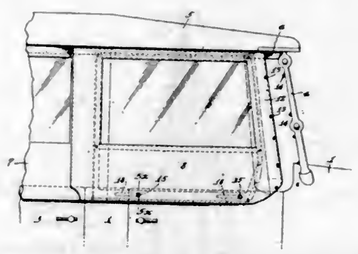
1. A bracket of the character described, comprising an attaching plate having an outwardly extending knob, a pin carried by said knob and extending above the same, and a bracket arm having a tubular inner end to engage over said pin, said knob having a recess about said pin to receive the inner end of the arm.

1,583,234. AUTOMOBILE CURTAIN. WILLIAM C. LOUD, Detroit, Mich., assignor to Glassmobile Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 1, 1924. Serial No. 753,128. 6 Claims. (Cl. 296—145.)



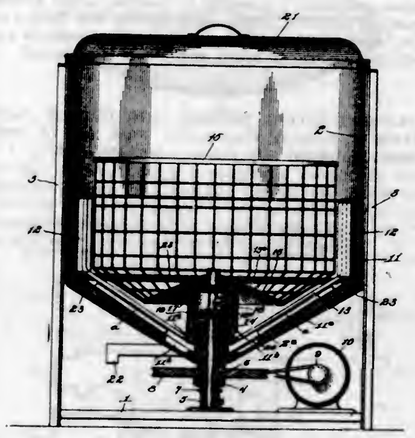
1. In a curtain, a body including two layers of flexible material having a window opening therein, a glass window, a window frame of channel form concealed between the said layers of material about said opening, said frame overlapping the margins of said glass, and the contiguous margins of said material being folded inwardly of said channel frame with their edges secured together around the perimeter of said glass.

1,583,235. AUTOMOBILE CURTAIN. WILLIAM C. LOUD, Detroit, Mich., assignor to Glassmobile Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 1, 1924. Serial No. 753,130. 8 Claims. (Cl. 296—139.)



1. In combination with a vehicle having a door, a canopy, a side curtain enclosure including a panel supported by, swingable with and horizontally slidable on said door whereby said enclosure is complete in one position of said panel and a vertically disposed ventilating opening is formed when said panel is slidably moved from its closed position.

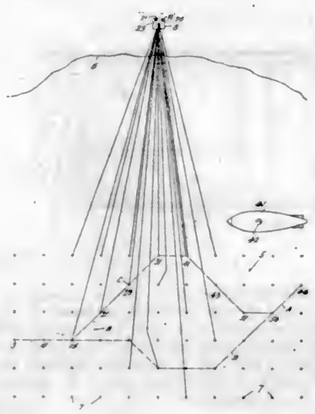
1,583,236. DISHWASHING MACHINE. WILLIAM U. MURRISH, Denver, Colo. Filed Dec. 20, 1919. Serial No. 346,332. 17 Claims. (Cl. 141—9.)



2. A washing machine comprising a stationary water receptacle, a second receptacle rotatably mounted therein with means for operating it, said second receptacle having water passages for admitting water thereto, a basket rotatably supported within said receptacle and deflector means arranged between said second receptacle and said basket, and means for rotatably supporting said deflector means.

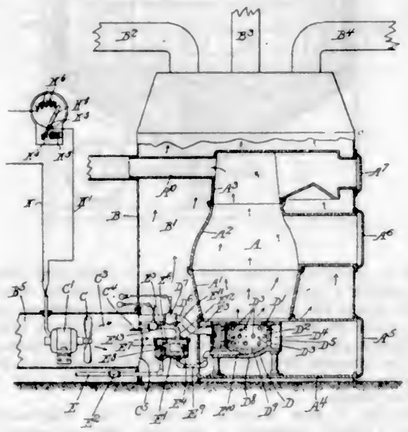
16. In a dish washing machine, the combination with a vessel containing a cleansing fluid, of means to support the dishes in the vessel above the fluid, a support rotatable about a vertical axis, a deflecting apron carried by said support, means co-operating with said deflecting apron to project the cleansing fluid upwardly against the dishes, and a screen arranged to separate the solid insoluble matter from the cleansing fluid which is thrown upwardly.

1,583,237. SYSTEM FOR CARRYING OUT MIMIC BOMBING AND TORPEDO ATTACKS. ARTHUR W. PARSONS, Miami, Fla. Filed July 6, 1925. Serial No. 41,602. 12 Claims. (Cl. 244—1.)



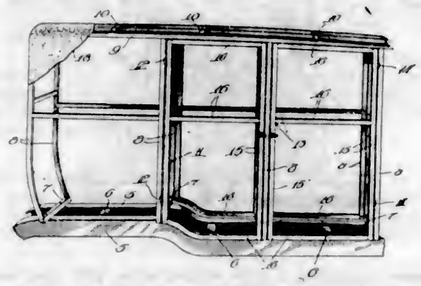
1. In a system of the character described, a field in the form of a water covered area, a missile adapted to be directed from a moving object towards a point on said field, means for recording the time at which said missile reaches said point, a plurality of operable target devices located on said field, means for actuating said devices in order to present a succession of targets, and means for recording the time at which each target is presented.

1,583,238. HEATING METHOD AND DEVICE. LAWRENCE W. SCUDDER, Chicago, Ill. Filed Nov. 16, 1925. Serial No. 69,327. 17 Claims. (Cl. 126—116.)



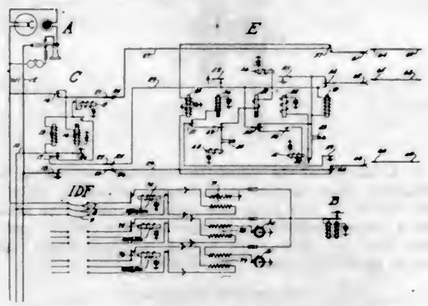
1. The method of hot air heating which includes the provision of a circulation of air to and past a zone of combustion, and the provision of an air supply to the zone of combustion and the unitary variation and control of such air circulation and air supply.

1,583,239. CLOSED ROAD MOTOR-VEHICLE BODY. CHARLES TERRES WEYMANN, Paris, France. Filed Mar. 26, 1925. Serial No. 18,343. 3 Claims. (Cl. 296—28.)



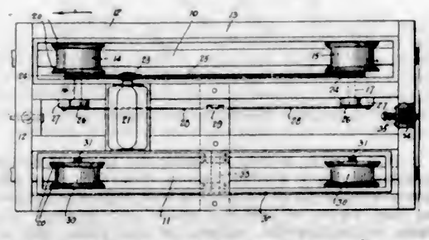
1. In a closed road motor vehicle body, constructed to weave with the chassis frame, a skeleton comprising thin flexible wooden pieces, including roof pieces, adapted to flex relative to each other, rigid joints connecting the wooden pieces together, and a fabric covering around the skeleton to permit it to weave with the chassis frame.

1,583,240. TELEPHONE SYSTEM. JOHN WICKS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 17, 1923. Serial No. 663,013. 5 Claims. (Cl. 179—27.)



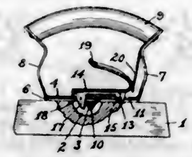
1. In a telephone system, a calling line, an operator's switchboard, means for extending a connection from said line to said switchboard, a source of tone current, and means individual to said line for connecting said source thereto, said individual means being controlled from said operator's switchboard over said connection.

1,583,241. VEHICLE TRUCK. ARTHUR W. ARNOLD, Lapine, Oreg. Filed Mar. 7, 1922. Serial No. 541,719. 11 Claims. (Cl. 105—102.)



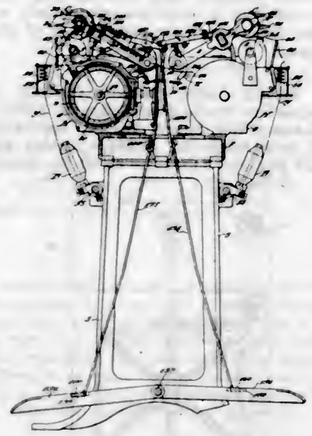
1. In a vehicle, a rigid load support, a plurality of wheels on one side thereof and having a fixed relation to the load support, means to positively drive in unison both of said wheels whereby they are constituted traction wheels, and rolling supporting means for the other side of the load support having connections with movable relation to the load support.

1,583,242. SADIRON HANDLE. HARRY BREGMAN, Lorain, Ohio, assignor to The Steel Stamping Company, a Corporation of Ohio. Filed Sept. 7, 1921. Serial No. 499,087. 1 Claim. (Cl. 68—26.)



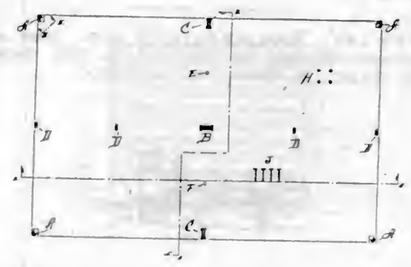
In a sad-iron, the combination of a body, the body having a depression spanned by a transverse bar, a handle, the handle having a base, the base having a lug adapted to engage the rear side of said transverse bar, the base being provided with an opening having a forward edge, a lever, the lever having hooks passing through said opening and engaging the forward edge thereof, the base being provided with a recess, the lever having a pair of transversely spaced parallel lugs adapted to pass through said recess for engaging the forward edge of said transverse bar, and said opening and said recess being of sufficient width to allow for lateral and angular movements of said hooks and said lugs to permit adjustment of said lugs to said transverse bar, substantially as described.

1,583,243. WINDING MACHINE. CARL A. BRINK, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,979. 14 Claims. (Cl. 242—37.)



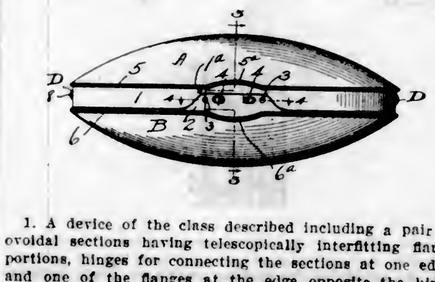
1. In a winding machine, the combination with a rotatable winding-mandrel and reciprocable traverse-guide, of driving-means for rotating the mandrel and reciprocating the guide, means to disconnect the mandrel from its driving-means, and a foot-control movable in the same direction for operating said disconnecting-means to either start or stop the winding-operation.

1,583,244. GAME. CLARK E. BURRIS and JAMES C. HEATH, Des Moines, Iowa. Filed Feb. 24, 1925. Serial No. 11,125. 13 Claims. (Cl. 273—56.)



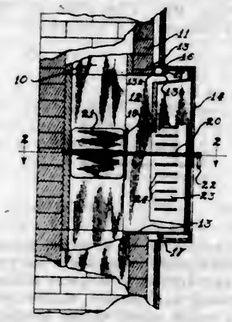
1. In a game adapted to be played on a court, a plurality of stations forming the outline of said court and including pockets, air-tunnels and ground-tunnels, and cue-balls adapted to be rolled on said court relative to said stations and to each other.

1,583,245. WORKBOX SUITABLE AS A DARNING LAST OR THE LIKE. DANIEL W. CAUSEY, Norfolk, Va. Filed Feb. 16, 1925. Serial No. 9,670. 6 Claims. (Cl. 223—53.)



1. A device of the class described including a pair of ovoidal sections having telescopically interfitting flange portions, hinges for connecting the sections at one edge, and one of the flanges at the edge opposite the hinge connection being cut away and the other being provided with thread outlet and thread cutting means.

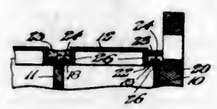
1,583,246. HEATING DEVICE. JOSEPH L. DONAT, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,110. 4 Claims. (Cl. 257—165.)



4. A heating device comprising a chimney having an aperture therein, a casing within said aperture having top, bottom, side and rear walls, the rear wall being

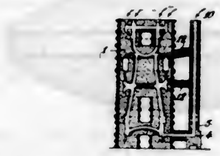
apertured top and bottom for the passage of chimney gases, a damper behind said rear wall and a detachable front wall having inwardly extending corrugations formed therein.

1,583,247. STORAGE-BATTERY BOX. LEON A. DOUGHTY, Glenside, Pa. Filed Nov. 25, 1924. Serial No. 752,197. 11 Claims. (Cl. 136—166.)



2. A storage battery box comprising straight-sided walls having an inner peripheral ledge, a cover having a flange arranged to project toward and to said ledge, and means including a groove in said ledge for interlocking said ledge and said flange and sealing the joint therebetween.

1,583,248. PROCESS FOR BOTTOM CASTING. PIERRE HENRI GASTON DURVILLE, Paris, France. Filed Mar. 14, 1922. Serial No. 543,731. 3 Claims. (Cl. 219—141.)

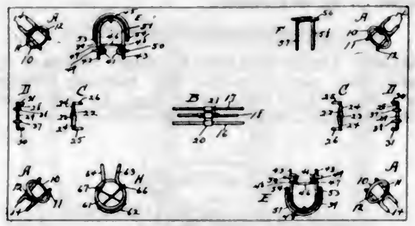


1. An apparatus for molding metals or alloys comprising a vertical mold and a substantially vertical conduit communicating with the bottom of the mold, said conduit being formed of a plurality of separable sections, whereby said conduit is adapted to be built up step by step, for the purpose described.

1,583,249. LOCK NUT AND BLANK THEREFOR. I. C. EMERY, Baltimore, Md. Filed July 15, 1924. Serial No. 726,135. 5 Claims. (Cl. 85—32.)

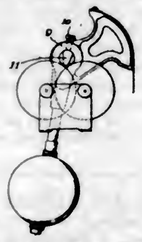
3. A lock nut consisting of a single, integral strip of metal provided with a slit extending from the top of the nut downward and curved to a point below the center plane thereof, thence horizontally, thence upwardly to a point above said center plane, thence horizontally again, thence downward and curved to the bottom of said nut, said nut having two interlocking hook portions separated by a space, and provided with a threaded bore slightly larger at each end than in its central portions.

1,583,250. GAME. JAMES C. HEATH and CLARK E. BURRIS, Des Moines, Iowa. Filed May 27, 1925. Serial No. 33,138. 27 Claims. (Cl. 273—56.)



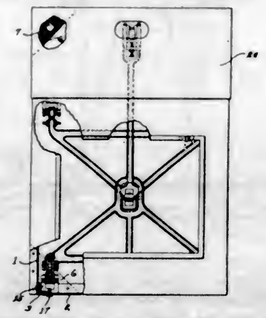
1. A game adapted to be played on a court, comprising a plurality of stations forming the outline of said court, a plurality of stations within the outline of the court including a bridge and a tunnel suspended from and beneath said bridge, said stations being adapted to receive a ball.

1,583,251. ROCKER BEARING. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Mar. 18, 1921. Serial No. 453,307. 8 Claims. (Cl. 74—104.)



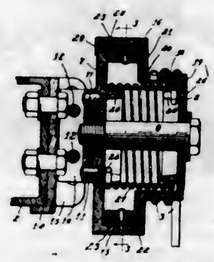
1. In a device of the class described, in combination, a frame, a supporting member pivoted thereto on a substantially vertical axis and a substantially horizontal axis, and discs mounted upon said member to rotate about axes extending in directions substantially at right angles to the directions of the pivotal axes of said supporting member.

1,583,252. SCALE BASE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Original application filed May 10, 1916, Serial No. 96,511. Divided and this application filed July 11, 1921. Serial No. 483,647. 12 Claims. (Cl. 265—71.)



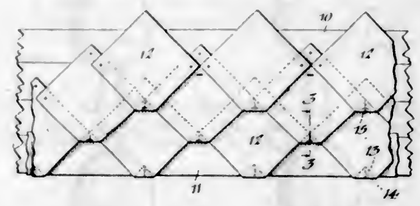
1. In a device of the class described, in combination, parallel channel side members arranged with the open sides of the channels turned outwardly, cross channel members connecting said side channel members and arranged with the open sides of their channels turned toward each other, and fulcrum brackets secured to the vertical webs of said cross channel members, the lower ends of said fulcrum brackets being supported by the horizontal flanges of said channel cross members.

1,583,253. SHOCK ABSORBER. GEORGE H. HIGGINS, Rockford, Ill., assignor to Burd Compression Ring Company, Rockford, Ill., a Corporation of Illinois. Filed July 6, 1925, Serial No. 41,575. Renewed Mar. 6, 1926. 7 Claims. (Cl. 267—10.)



1. A shock absorber comprising, a stationary drum having a cylindrical flange, a helical spring element within and secured to said flange at one end, the inner end of said element being unsecured, a rotatable drum having a cylindrical flange fitting within said stationary drum and spring element, and a friction surfacing between the flange on said rotatable drum and said spring element and secured to said rotatable drum flange, whereby rotary movement of said rotatable drum in one direction will produce frictional gripping between said drums.

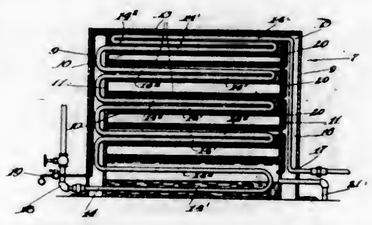
1,583,254. SHINGLE LOCK. FELIX E. LIETZ, Buffalo, N. Y. Filed Dec. 18, 1925. Serial No. 76,166. 1 Claim. (Cl. 108—8.)



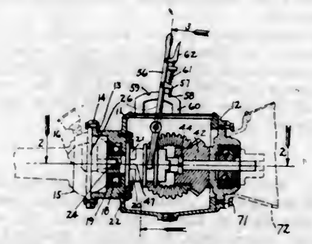
The combination of a roof, a fastener of substantially T-form engaging the roof, and a flexible shingle having a turned-under lower corner provided with a slot interlocking with said fastener, the body of the shingle overlying and concealing the fastener and the shingle slot being disposed at an angle to the cross-head of the fastener, requiring a partial turn of the shingle relative to the fastener to interlock its folded corner therewith.

1,583,255. HUMIDIFYING RADIATOR. WILLIS LUTHER MOORE, Pasadena, Calif. Filed May 21, 1924. Serial No. 714,829. 2 Claims. (Cl. 257—138.)

1. In a humidifying radiator, the combination of a series of horizontally disposed radiator units, each consisting of a water receptacle exposed at the top to the atmosphere, a hot water conduit passing horizontally through each unit, the hot water conduit in each unit consisting of two horizontal sections, one immersed in the water and the other exposed to the atmosphere, at least in part, and automatic means for supplying water from the hot water conduit to each unit and maintaining the same at a substantially constant level.



1,583,256. POWER TRANSMISSION. WILLIAM C. PAULING, Long Beach, Calif. Filed June 4, 1925. Serial No. 34,822. 1 Claim. (Cl. 74—7.)

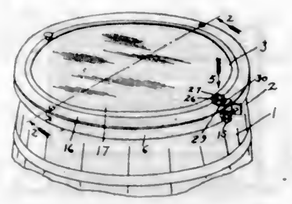


A power transmission comprising in combination a housing in the form of a rectangular box-like structure open at one end, having an extended portion opposite the open end with a flange, such flange being adapted to be connected to a universal joint housing of a drive shaft, a plate secured to the open end of the housing, a clutch coupling having a hub journaled in the extended portion of the housing and a flange extending inwardly of said housing, a ring member secured to the housing and engaging the flange of the clutch coupling, a main shaft rotatably mounted in the clutch coupling and in the bearing, said shaft having a squared section, a bevel gear rotatably mounted on the shaft adjacent the plate, a slidable clutch mounted on the squared section of the main shaft and adapted to engage either the clutch coupling or the bevel gear, a bearing in one of the side walls of the housing, a second shaft journaled therein, a second bevel gear mounted on the second shaft, meshing with the first bevel gear and means mounted outside of the housing to shift the clutch.

1,583,257. REMOVABLE COVER. ADOLFO C. RIGGS, Covina, Calif. Filed June 23, 1925. Serial No. 39,029. 4 Claims. (Cl. 217—81.)

2. A removable cover comprising in combination a plurality of flexible straps connected in pairs by means of a pivotal connection, clamping screws connecting each pair of flexible straps together, said straps and connection allowing the straps to be clamped to various sized containers, a fixed sized capping ring secured to the clamping straps, said ring comprising a horizontal flat annulus, a lid, a hinge having a fixed plate

secured to the lid, a horizontal hinge pin, a swivelling plate connected to the pin and a vertical swivel pin through the swivel plate connecting the swivel plate to

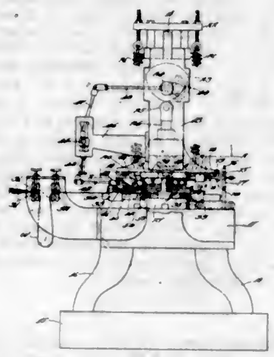


the capping ring, said swivel pin being positioned whereby the lid may be swivelled vertically and hinged downwardly to hang along the side of the container.

1,583,258. PRODUCTION OF VAT DYESTUFF. DONALD G. ROGERS and LLOYD C. DANIELS, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed July 2, 1921. Serial No. 482,147. 7 Claims. (Cl. 260—61.)

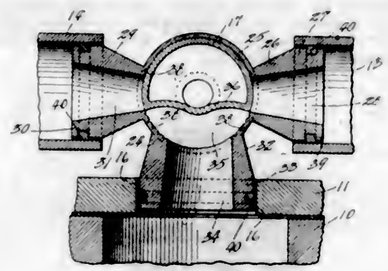
1. The improvement in the production of a coloring matter known as dibenzanthrone which comprises subjecting benzanthrone to the action of caustic potash at a temperature of about 215°–230° C. in the presence of mineral oil having a boiling point of about 230° C. and in the presence of a reducing agent.

1,583,259. MACHINE FOR MAKING ARTICLES FROM SHEET MATERIAL. HARRY E. RUCKERT, BERNARD M. FINE, and ERIC K. LUND, Philadelphia, Pa., assignors, by mesne assignments, to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed Sept. 29, 1924. Serial No. 740,497. 37 Claims. (Cl. 93—60.)



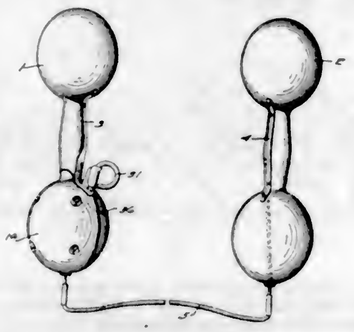
1. In a machine of the character described, in combination, front and rear dies for blanking out and forming articles from a web of material, means for feeding said web from front to rear, means for removing from a front die an article formed thereby and centering the same between the front and rear dies and means for thereafter removing said article from proximity to a rear die.

1,583,260. ROTARY VALVE FOR EXPLOSIVE ENGINES. ROBERT C. RUSSELL, Dallas, Tex., assignor of fifty-one per cent to William Rees, Dallas, Tex. Filed Jan. 22, 1925. Serial No. 3,982. 11 Claims. (Cl. 123—59.)



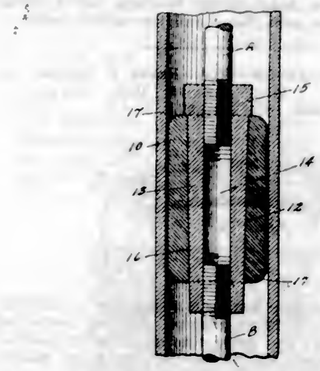
1. In an engine, a cylinder, an intake manifold, an exhaust manifold, said cylinder and manifolds having openings, a rotary valve, and a three-armed case enclosing the rotary valve, said arms being hollow and forming passages connecting the valve case with the openings of the cylinder and manifolds, said arms being yieldably supported in the openings to adapt the valve and case to have a universal floating action.

1,583,261. ELECTRIC DUMB-BELL. VICTOR SENCE, New York, N. Y. Filed May 15, 1925. Serial No. 30,510. 2 Claims. (Cl. 174—175.)



1. In an electric dumb-bell having an internal cavity in one end portion divided by a substantially central plane separating that end portion into two sections, the combination, with said dumb-bell, of an electric generator, a ratchet driving gearing therefor and a common bed plate for the two, adapted to be clamped between said dumb-bell sections, said generator being mounted on one side of said plate, said gearing being mounted on the other side, and the armature shaft of the generator extending through said plate to said gearing.

1,583,262. SUCKER-ROD GUIDE. WILLIAM C. SMITH, Corsicana, Tex. Filed Sept. 12, 1925. Serial No. 55,965. 3 Claims. (Cl. 308—4.)

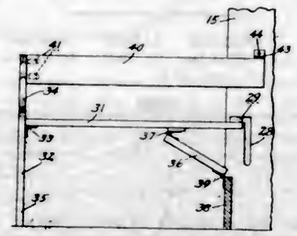


1. In a sucker rod guide, a cylindrical external bushing having a tapered axial bore, a rod coupling having a tapered external portion engaging frictionally in the bore of the bushing, and an integral shoulder on the coupling against which one end of the bushing is seated.

1,583,263. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 14, 1922. Serial No. 574,866. 10 Claims. (Cl. 197—147.)

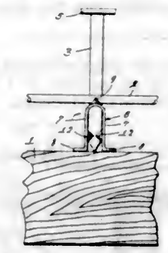
1. A platen for a typewriting machine, comprising a core or base of superposed, highly-tensioned sheets or layers of soft rubber, and a facing of resilient material thereon.

1,583,264. BREAKFAST NOOK. CHARLES A. TURNER, Jr., Los Angeles, Calif. Filed Dec. 29, 1922. Serial No. 609,596. 3 Claims. (Cl. 155—83.)



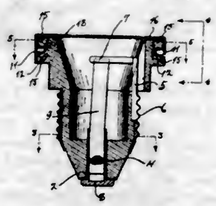
1. In combination, a wall pocket, and a seat including a seat portion having a pin-and-slot connection with the side of said pocket, a base panel within the pocket, a brace member hingedly connected to the seat portion and the base panel, an end panel hingedly connected to the seat portion and including a leg portion and an arm portion, and a back portion detachably connected to the end panel to allow folding of all of the seat portions.

1,583,265. WIRE FASTENER. GEORGE F. VOIGHT, Oakland, Calif. Filed Aug. 10, 1925. Serial No. 49,298. 7 Claims. (Cl. 72—118.)



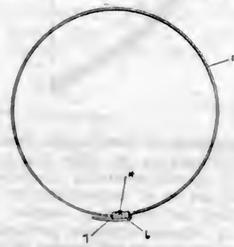
4. A wire fastener comprising, a spacing element formed of sheet metal and bowed flat-ways longitudinally in the form of a loop, the apex of the latter provided with an opening, and a cooperating nail projecting longitudinally through said loop through said opening, said loop having projections on its inner side bearing against said nail a distance below said opening.

1,583,266. FUSE PLUG. MILES EDWARD WINKS, San Jose, Calif., assignor of one-half to Homer Thomas Waggoner, Stroh, Ind. Filed Jan. 6, 1921. Serial No. 435,375. 1 Claim. (Cl. 200—130.)



A fuse plug comprising a hollow body composed of insulating material, a screw shell mounted on said body, a cap covering the top of said body, a terminal cap on the bottom of said body, a post within said body united to the shell, said post having threads on its outer face corresponding to the threads on the screw shell, resilient parallel fingers having a vertical channel and extending at right angles from the free end of the post toward the interior of the body, the corners of said fingers mutually facing each other being rounded, a hollow stem, and a fusible link fixed in the hollow stem and adapted to be received between the resilient fingers to establish electrical connection between the shell and the terminal cap of the fuse.

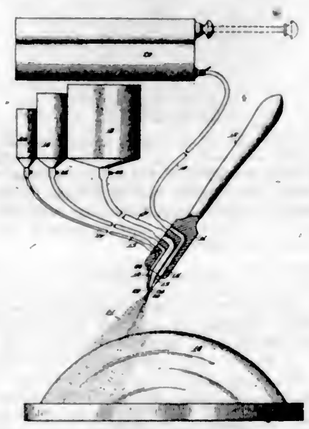
1,583,267. COLLAR SUPPORT AND NECKTIE HOLDER. DAVID ALLEN, San Francisco, Calif. Filed Mar. 18, 1925. Serial No. 16,355. 2 Claims. (Cl. 2—155.)



1. A collar stiffener and tie holder comprising a pliable metal strip adapted to extend around a collar between the neck band and the folded over portion thereof, said strip

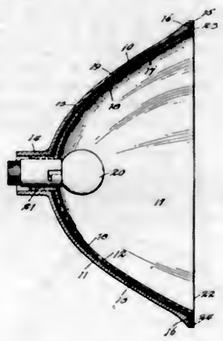
being pointed at one end and having a sleeve arranged upon its other end, said pointed end being adapted to be passed through said sleeve and bent back upon itself to fasten the strip in position upon the collar.

1,583,268. METHOD OF FORMING REFLECTING SURFACES. BLASIUS BART, Newark, N. J. Filed June 10, 1920. Serial No. 387,974. 17 Claims. (Cl. 91—68.3.)



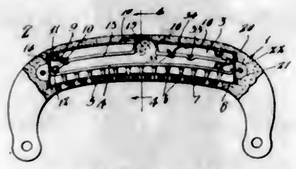
1. In the art of coating objects with a silver deposit, the process which consists in forming a cloud-like mist of small particles of a silver compound diffused into a similar cloud of small particles of a compound designed to react chemically on the silver compound to precipitate fine metallic silver and permitting the metallic silver particles so formed to deposit on the object to be coated.

1,583,269. GLASS PROTECTOR FOR REFLECTORS. BLASIUS BART, East Orange, N. J. Filed Jan. 11, 1923. Serial No. 612,131. 1 Claim. (Cl. 240—41.)



A lamp comprising a thin metal shell including a curved portion having on its inner face a parabolic reflecting surface of electrolytically deposited silver and being incapable per se of maintaining its configuration, a copper backing for the silver surface, said backing provided with a tubular extension projecting outwardly from the crown of the curved portion of the shell, the outer free edge of the copper backing provided with an annular recess, a glass guard having a curved port conforming substantially to the silver reflecting surface, said guard provided with an integral extension having a snug telescopic fit in the metallic tubular extension, said glass guard provided at its outer edge with an integrally formed flange fitting the seat and a metal seal between the glass flange and its metallic seat.

1,583,270. HANDLE OR GRIP. FRANK E. BESSEE, Los Angeles, Calif. Filed Apr. 13, 1925. Serial No. 22,708. 9 Claims. (Cl. 190—57.)

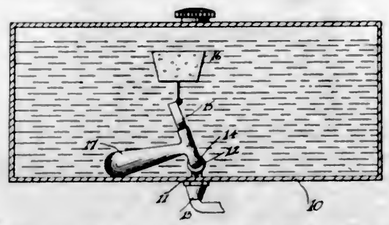


1. A handle or grip having a guard with a plurality of spurs held in a folded position, and key controlled means for moving the guard into an extended position so that the spurs project from the side of the handle.

1,583,271. SURGICAL INSTRUMENT. LADISLAUS BIRO, Newark, N. J. Filed Jan. 14, 1925. Serial No. 2,298. 7 Claims. (Cl. 128—339.)

1. An instrument for applying sutures comprising a handle with a needle extending therefrom, and a hook operable from the handle and co-operating means on the hook and handle for causing the hook to move laterally at predetermined points in its longitudinal movement.

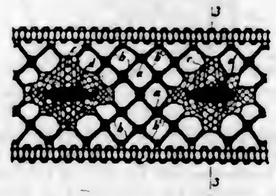
1,583,272. GASOLINE GAUGE. EDWARD BLOOM, Marion, Ind. Filed Dec. 19, 1924. Serial No. 756,946. 3 Claims. (Cl. 158—46.5.)



1. The combination with a gasoline tank, of an outlet means mounted in the tank and arranged to stand in an approximately vertical position to permit a certain quantity of gasoline to flow from the tank and maintain

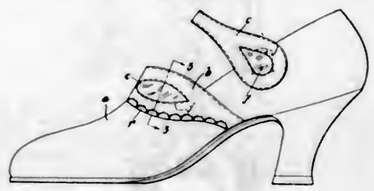
a reserve supply therein, means for maintaining the outlet means in such position, said outlet means being adapted to be moved manually into a horizontal position to permit the escape of the reserve supply, and buoyant means carried by the outlet means for restoring the outlet means to its vertical position upon rise of liquid level in the tank.

1,583,273. MACHINE-BRAIDED TORCHON LACE AND METHOD OF MAKING THE SAME. EMIL BÖSEBECK, Barmen, Germany, assignor to Max Henkels, New York, N. Y. Filed Jan. 6, 1923. Serial No. 611,065. 2 Claims. (Cl. 96—24.)



2. A machine-braided torchon lace, presenting leaflets standing out in relief from both sides of the ground and incorporated therein all around their circumference, in which each leaflet is formed by a plurality of skeleton threads taken from the small meshed ground and extending lengthwise of the leaflet, by other selected small-meshed ground threads substantially transversely intercrossing said skeleton threads, and, further, by a transversely meandering small meshed ground thread respectively interwoven with the said skeleton and said transverse threads, and all three sets of ground threads being closely aggragating within the confines of the leaflet defined by said skeleton threads.

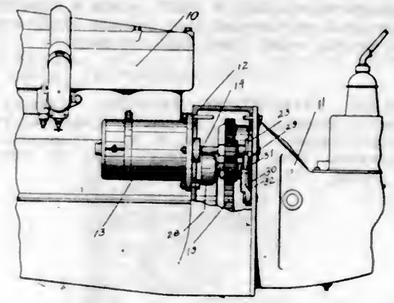
1,583,274. SHOE UPPER WITH ORNAMENTAL INLAYS. WILLIAM F. BOSTOCK, South Braintree, Mass. Filed Dec. 23, 1924. Serial No. 757,629. 8 Claims. (Cl. 41—10.)



1. A shoe upper having an opening formed therein, and an ornamental inlay secured to the upper with a portion within and conforming closely to the outline of said opening, said inlay being of moldable material of sufficient rigidity to retain its shape independently of the upper.

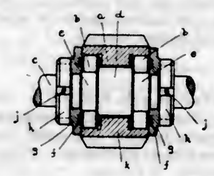
1,583,275. MOTOR DRIVE. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Dec. 30, 1920. Serial No. 434,106. 3 Claims. (Cl. 74—7.)

1. In a starting mechanism, a toothed fly-wheel and housing therefor, an electric motor and housing therefor, a gear wheel operatively connected to said motor, a gear wheel pendulously mounted on said fly-wheel housing for swinging movement toward and away from said fly-wheel, said third-mentioned gear wheel being normally in contact with said second mentioned gear wheel and normally out of contact with said fly-wheel, and



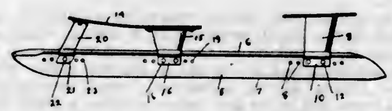
means for energizing said motor and for causing said third named toothed wheel to establish a driving connection between said second and first mentioned toothed wheels.

1,583,276. PINION. WESTGARTH STANHOPE FORSTER BROWN and JOSEPH MAINA, London, England. Filed July 17, 1925. Serial No. 44,215. 2 Claims. (Cl. 308—208.)



1. A roller bearing pinion and mounting therefor comprising a pinion having a recess at each side and an internal bore of reduced diameter between said recesses, a shaft having an enlarged centre, and two portions of less diameter vertically alinged with the recesses in the pinion, sets of rollers fitting into said recesses and adapted to cooperate with the portions of less diameter on the shaft which form races therefor, a cage for retaining each set of rollers in place, a washer loose on the shaft abutting each cage, and collars adapted to be secured to the shaft for retaining said washers in place.

1,583,277. ADJUSTABLE SKATE. JOHN CARLSON, Springfield, Mass. Filed Jan. 17, 1924. Serial No. 686,756. 4 Claims. (Cl. 208—167.)

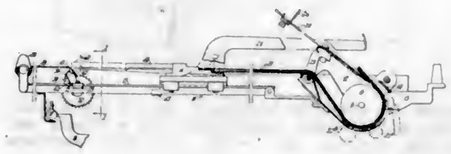


1. An ice skate consisting of a runner blade having an integral T-shaped longitudinal head, and a shoe provided with separated jaws adjustably clamped to the T-shaped head.

1,583,278. ELASTIC THREAD, CORD, AND THE LIKE, AND TO ELASTIC WEB MADE THEREFROM. CHARLES CLUTSOM, Coalville, England. Filed Oct. 6, 1925. Serial No. 60,921. 2 Claims. (Cl. 139—421.)

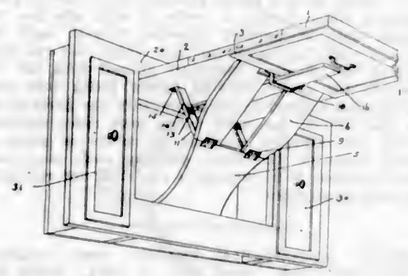
2. An elastic web or fabric having elastic warps incorporated therein each of which contains a plurality of rubber cores not exceeding three enclosed within a common covering which binds them together.

1,583,279. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 7, 1924. Serial No. 718,473. 9 Claims. (Cl. 197—126.)



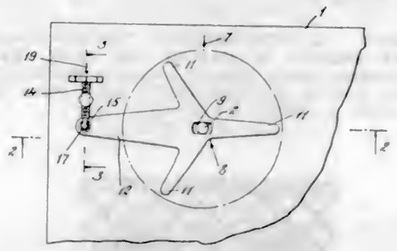
1. In a continuous billing typewriting machine, the combination with a revoluble platen and a carbon-carrier retractible from the platen to reposition the carbons with reference to the work-web and the platen, of means operated automatically by the movement of the carbon-carrier to arrest the carbon-carrier in slightly different position at each retraction thereof.

1,583,280. FOLDING WALL FIXTURE. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Oct. 7, 1924. Serial No. 742,148. 3 Claims. (Cl. 45—51.)



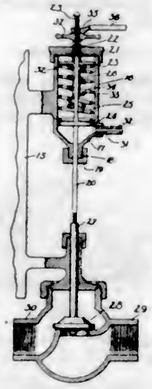
1. A folding wall fixture comprising a laterally extensible service board consisting of a member hinged at one end to a rigid frame for folding thereinto and an outer member hinged at one end of the first named member for folding thereon, a two part hinged strut hinged to the frame and to the first named member, a toggle link hinged to the first named member and to one part of the toggle link, and a cantilever arm pivoted at one end to the toggle and supported between its ends on a fulcrum secured to the first named member and with its other end free and adapted to contact with the under sde of the outer member when the fixture is extended.

1,583,281. DEVICE FOR MAKING PRECISION ADJUSTMENTS. EDWARD K. CURTIS, Brooklyn, N. Y., assignor to Manufacturers' and Inventors' Electric Company, New York, N. Y., a Corporation of New York. Filed May 22, 1924. Serial No. 715,259. 5 Claims. (Cl. 74—7.)



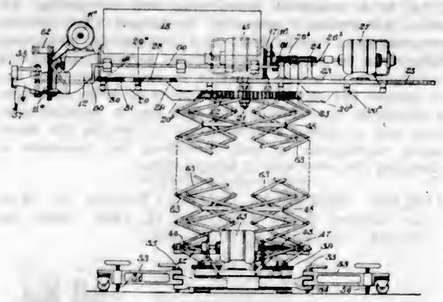
1. The combination with a precision instrument having a dial for approximate adjustments and a fixed panel between the instrument and the dial, of a device for making precision adjustments, comprising a single element interposed between the panel and the dial, making frictional engagement with the dial and extending beyond the periphery of the dial, and a screw mounted upon the panel and operatively connected with the extension of the friction member to impart a slow rotative movement thereto.

1,583,282. AUTOMATIC PUMP CONTROL. JOHN S. DENNY, Long Beach, Calif. Filed Apr. 12, 1923. Serial No. 631,561. 2 Claims. (Cl. 137—153.)



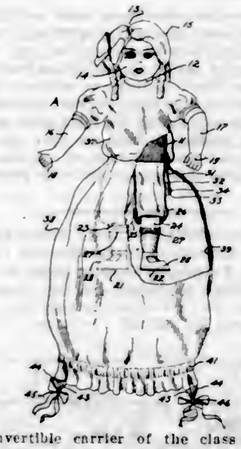
1. An automatic control for pumps or the like, comprising in combination a valve to be controlled, a cylinder, a piston chamber, a piston therein operably connected to the valve, a fluid inlet to the piston chamber, a head in the cylinder having an integral sleeve extending toward the piston to limit the movement thereof, a spring between the head and the piston, a cap on the cylinder, a threaded tubular member passing through the cap, a rod connected to the piston and passing through the head and tubular member, screw threads on the end of said rod, a nut engaging said screw threads and bearing against said tubular member, an inlet pipe connected to the inlet to the piston chamber, having a valve, a drain pipe attached to the inlet pipe between the cylinder and the inlet pipe valve, and a discharge valve in the discharge pipe.

1,583,283. PLASTERING MACHINE. THADDEUS C. DUNLAP, Columbus, Ohio. Filed Nov. 22, 1924. Serial No. 751,662. 16 Claims. (Cl. 72—130.)



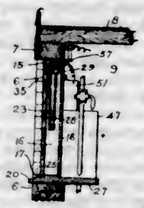
1. A plastering machine including, in combination, a portable base, a column vertically movable on the base, a plaster applicator having a swinging movement about an axis on the column and means whereby said axis can be shifted laterally with reference to the base.

1,583,284. CONVERTIBLE CARRIER. HOWARD DYKMAN, East Orange, N. J. Filed Sept. 20, 1922. Serial No. 589,347. 7 Claims. (Cl. 46—40.)



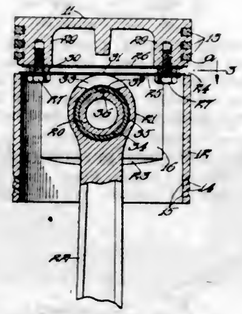
1. A convertible carrier of the class described comprising a figure having a hollowed body, flexibly suspended limbs adapted for insertion therein, and garment parts arranged to inclose said body together with its said limbs when drawn thereover substantially counterwise.

1,583,285. INSPECTION DEVICE. ROCCO C. FAMIGLIETTI and JOSEPH A. FAMIGLIETTI, Providence, R. I. Filed Jan. 2, 1925. Serial No. 117. 3 Claims. (Cl. 20—53.)



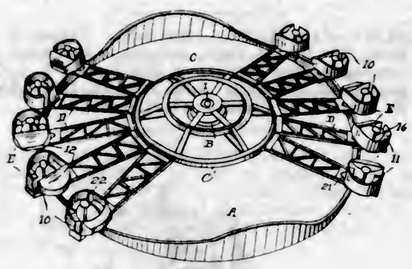
1. In a building, a wall having an opening therethrough, a frame in said opening, a panel affixed at the rear of said opening and having a sight opening, said panel being non-accessible for removal from the front, said frame having a meter-support extended within the building.

1,583,286. PISTON FOR INTERNAL-COMBUSTION ENGINES. STEPHEN IVAN FEKETE, Detroit, Mich., assignor to Essex Motors, Detroit, Mich., a Corporation of Michigan. Filed Dec. 1, 1921. Serial No. 519,261. 7 Claims. (Cl. 74—108.)



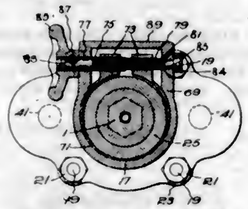
1. A piston for internal combustion engines having an oil scraping edge, wrist pin bearings, a wrist pin carried by said bearings, and means independent of the piston for conducting oil from said scraping edge to said wrist pin between said bearings.

1,583,287. ROUNDABOUT. JOHN A. FISHER, Sandusky, Ohio. Filed Mar. 16, 1922. Serial No. 544,134. Renewed May 27, 1925. 14 Claims. (Cl. 272—44.)



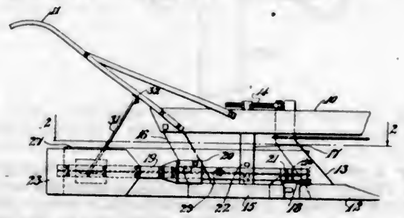
1. In an amusement device of the character described, the combination of an annular undulating track, an arm disposed radially of said track, said arm being rotatably mounted on a vertical axis concentrically of the track so as to travel around the latter and said arm being also pivotally mounted on a horizontal axis so as to follow the undulations of the track, and a passenger car mounted directly on said arm and arranged to turn on the outer end of said arm, said car being provided with passenger accommodations which are so arranged that when the car is occupied the center of gravity of the car is rendered eccentric to its axis of turning whereby the travel of the arm around the undulating track will cause the car to swing about its axis relative to the arm.

1,583,288. DRILLING MACHINE. GEORGE H. GILMAN, Boston, Mass. Filed Oct. 27, 1921. Serial No. 510,915. 11 Claims. (Cl. 121—7.)



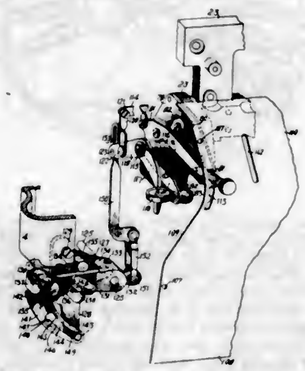
1. In a drilling machine, a front head, a chuck rotatably carried by said front head, means for rotating said chuck relatively to said front head, and releasable friction means controlled by the operator for preventing rotation of said chuck relatively to said head.

1,583,289. SCRAPER ATTACHMENT. PHILIP B. HACKLEY, Berkeley, Calif. Filed June 11, 1923. Serial No. 644,550. 2 Claims. (Cl. 37—173.)



1. A plow including a plow-point, a centrally arranged longitudinally disposed frame extending rearwardly from the plow-point, an anchor plate secured to the centrally arranged frame at the rear end thereof and forming a vertically disposed fin, a scraper blade adapted to be arranged at either side of the centrally arranged frame and pivotally connected at its front end to the same and ararnged at an angle to the said frame and means for adjustably connecting the scraper blade with the centrally arranged frame.

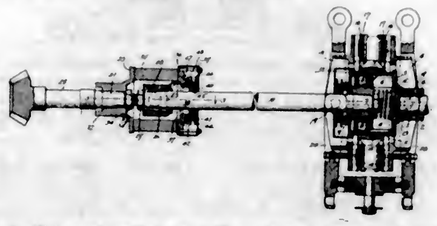
1,583,290. CALCULATING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1924. Serial No. 737,260. 14 Claims. (Cl. 235—59.)



3. In a combined typewriting and calculating machine, a machine-frame in which front posts and a top-plate are included, framework which supports the calculating mechanism and which is attached to the top-plate and projects beyond the right side of the machine-frame, and a bracket rigidly connecting the right end of the framework to the right front post of the machine-frame.

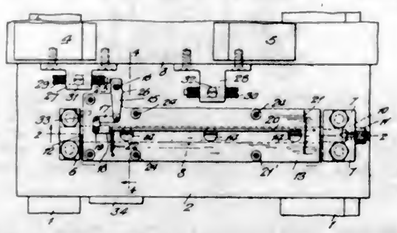
14. In a combined typewriting and calculating machine comprising typewriting mechanism that includes color-changing mechanism, and calculating mechanism adapted to be reversed for addition and subtraction, the combination of a key connected to change the color and to reverse the calculating mechanism in both directions, a releasable latch for holding said key in operated position, and a second key connected to reverse the calculating mechanism in both directions but incapable of changing the color and of being latched.

1,583,291. PROPELLER SHAFT. WILLIAM G. HAWLEY, Elmira, N. Y. Filed Apr. 14, 1924. Serial No. 706,434. 16 Claims. (Cl. 64—107.)



1. The combination with three shaft sections, of universal couplings connecting and permitting relative axial movements between said shaft sections, one end of the middle shaft section having an end-thrust bearing against one of the other shaft sections to which it is coupled, and yieldable means interposed between the other end of said middle shaft section and the third shaft section, said yieldable means tending to hold the first two shaft sections in end-thrust bearing engagement and the middle and third shaft sections axially extended with respect to each other.

1,583,292. TOOL-SETTING GAUGE FOR LATHES AND THE LIKE. EDMUND F. HEARD, Elizabeth City County, and MAYO M. FITZHUGH, Newport News, Va., assignors to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Virginia Corporation. Filed Nov. 11, 1924. Serial No. 749,183. 9 Claims. (Cl. 82—34.)

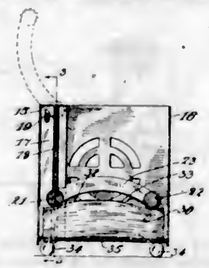


1. In a lathe having a carriage, a tool slide, a plurality of cutting tools carried thereon, a device of the character described comprising an indicator associated therewith on said carriage for indicating the cutting positions of said tools, and means carried by said tool slide comprising adjustable contacting members adapted to operate said indicator when said tools have attained the limits coresponding to their respective final cutting positions on the work being machined.

1,583,293. DISPENSER FOR PAPER NAPKINS AND THE LIKE. PAUL H. HORWITT, Brooklyn, N. Y., assignor to Independent Paper Mills Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 751,729. 3 Claims. (Cl. 211—29.)

1. In a device for dispensing paper napkins, towels and like articles, a receptacle, end members forming part of

the same, a slotted frame connected on the inner side to each of the said end members, and a follower comprising spaced rails, cross-bars at the ends thereof, and means for connecting corresponding ends of the cross-bars to one of the said rails, and at the same time connecting the cross-bars and rail in the said slotted frame, thereby permitting the follower to be movable in the container with

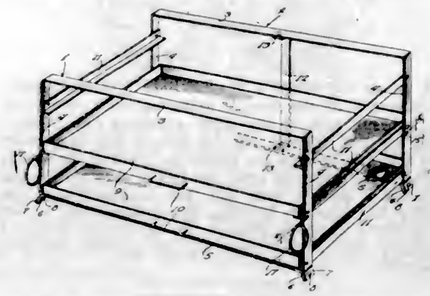


the said rails adapted to rest upon oppositely disposed edge portions of the outermost of a stack of napkins, or like articles placed in the dispenser and folded so as to provide an outermost section, the edges of which lie between the said rails, making these edges available for withdrawing the outermost article between the said rails in removing this article from the disepnser.

1,583,294. MANUFACTURE OF BUTTER SUBSTITUTES. HENRY A. KOHMAN, Pittsburgh, Pa., and LAUREN H. ASHE, Cleveland, Ohio. Filed Feb. 25, 1921. Serial No. 447,804. 2 Claims. (Cl. 99—13.)

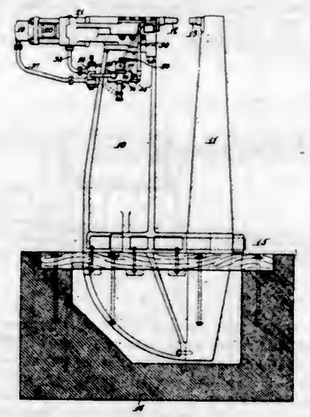
1. The method of producing a flavoring material for imparting to oleomargarine and similar butter substitutes a flavor and aroma closely approximating butter, which comprises adding to milk a culture of salt-rising bread ferment, grown upon and admixed with starchy material, and permitting further growth of the ferment in the milk until a whey is produced having the desired flavoring qualities, substantially as described.

1,583,295. BAKING PAN. EDNA C. LAESEN, Wausau, Wis. Filed Apr. 29, 1925. Serial No. 26,713. 4 Claims. (Cl. 126—337.)



1. In a baking device, a frame having vertically disposed forward and rear head portions, each of said head portions being substantially rectangular and having side strips and upper and lower strips, the lower strips having their end portions extending downwardly and outwardly and the lower end portions of the side strips being extended outwardly and secured against the depending end portion of the lower strips and cooperating therewith to provide flared reinforced feet, track strips extending between the forward and rear head portions and secured to said side strips in vertical spaced relation to each other, and trays resting upon said track strips and slidable thereon into and out of the frame through the forward head.

1,583,296. VALVE CONTROL FOR MULTIPLE-POWER TOOLS. HENRI PIERRE LAURENT LAUSSUCQ, Reading, Pa., assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa., a Corporation of Pennsylvania. Filed Apr. 1, 1924. Serial No. 703,371. 9 Claims. (Cl. 138—17.)

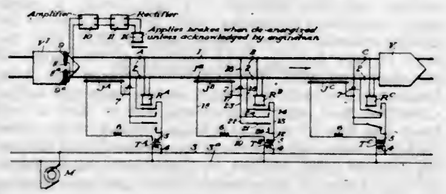


1. In a hydraulic ram, a driving plunger having two rearwardly directed faces, two hydraulic cylinders thereabout whose pressure is exerted upon said faces, a distributing valve having connections for pressure for each of the two cylinders with coincident exhaust for the other and for pressure for both cylinders simultaneously, and an operating valve having pressure admission and exhaust positions therein for controlling fluid pressure at the distributing valve.

1,583,297. PURIFICATION OF ANTHRAQUINONE. HARRY F. LEWIS, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 7, 1921. Serial No. 435,729. 10 Claims. (Cl. 260—57.)

5. The improvement in the method of purifying anthraquinone by reduction with zinc and a dilute caustic alkali solution, which comprises subjecting the alkaline solution of the reduced anthraquinone to fitration with the aid of steam pressure, whereby the solution is protected from oxidation and the filtering operation is promoted.

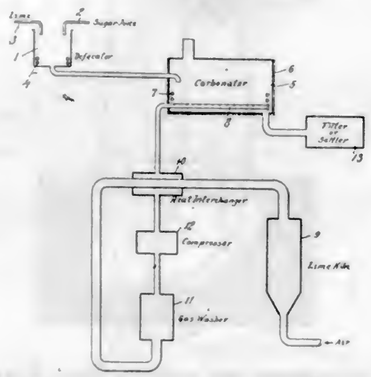
1,583,298. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. ROLAND A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1924. Serial No. 750,317. 10 Claims. (Cl. 246—63.)



1. Railway traffic controlling apparatus comprising a stretch of railway track, an auxiliary conductor located adjacent said stretch, a source of alternating current located in the trackway, and means for at times causing current from said source to flow through said conductor

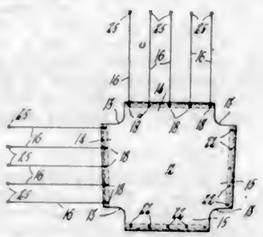
and the rails of said stretch in series, and for at other times causing current from said source to flow through said conductor but not through the rails of the stretch.

1,583,299. MANUFACTURE OF SUGAR. PHILIP J. MCGUIRE, Denver, Colo., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,658. 1 Claim. (Cl. 127—50.)



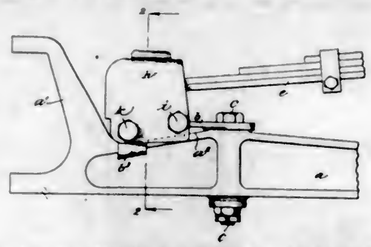
In the manufacture of sugar, the improvement which comprises the steps of subjecting sugar juices to the action of a liming agent at a temperature of from 185° F. to 200° F. and subjecting the limed liquor while maintained at a temperature of from 185° F. to 200° F, to the action of carbondioxide gas of a temperature of from 185° F. to 215° F.; substantially as described.

1,583,300. CHAIR-REPAIRING DEVICE. ANDREW MCTERNEN, Andover, Mass. Filed Oct. 8, 1925. Serial No. 61,198. 1 Claim. (Cl. 155—187.)



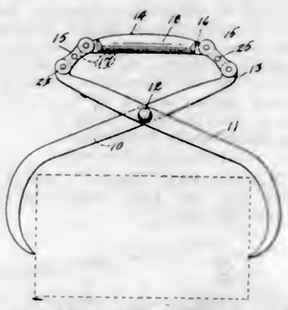
For use with a chair which includes corner uprights, and frame members connected with the uprights and forming marginal portions of a seat frame; a repair device comprising a flexible sheet formed to cover the opening bounded by said frame and provided with two pairs of flaps forming major portions of the margin of the sheet and with corner recesses between the flaps, forming minor portions of said margin, each flap having a hemmed free edge, a reinforcing rod in each of said hems, the flaps of each pair being adapted to be folded inwardly under two opposite frame members, and the corner recesses being adapted to conform to the uprights; and two series of independent flexible ligatures fixed at their inner ends to two contiguous flaps around said rods, the other two contiguous flaps being provided with eyes in said hems in which said ligatures are insertable around said rods to tension the sheet in two directions, the ligatures being adapted to be independently secured after tensioning the sheet, to maintain the tension.

1,583,301. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 15, 1924. Serial No. 726,081. 7 Claims. (Cl. 267—30.)



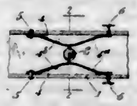
1. In a motor vehicle, in combination with the axle, a spring extending generally transverse to the direction of travel of the vehicle, a connection and support between the end of the spring and the axle comprising non-metallic yielding material engaged with the end of the spring, a housing to confine said non-metallic yielding material, and means to engage the axle and the housing to maintain the material against displacement to resist yieldingly axial twist of the spring.

1,583,302. ICE TONGS. OTTO R. MEINHOLDT, Dallas, Tex. Filed Oct. 10, 1925. Serial No. 61,670. 4 Claims. (Cl. 294—118.)



3. In an ice tongs, a handle, links pivoted in pairs to each end of the handle, grappling arms pivoted to the opposite ends of the links, a central boss integral with one link of each pair for spacing the links apart and also for engaging the handle for limiting the closing swing of the grappling arms, one link of each pair having shouldered pins at each end, the complementary link having apertures for receiving the reduced ends of said pins, and a fastening element carried by each boss and engaging the complementary link for securing the links together.

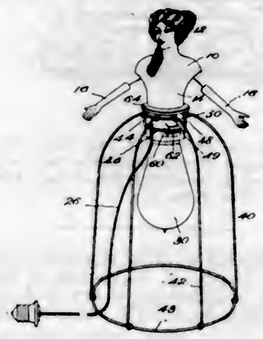
1,583,303. CARBURETOR TUBE. JOHN M. MERTZ, Wilmington, Del. Filed Nov. 28, 1923. Serial No. 677,465. 4 Claims. (Cl. 261—53.)



1. In combination, a nozzle, a carburetor tube surrounding the same, a spring member within said tube normally bowed to form a throat adjacent said nozzle, said spring member being sufficiently resilient to flatten

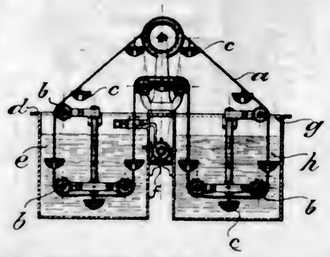
upon increased air velocity within the tube and thus enlarge said throat, and being slidably supported to permit one end to move freely when the spring flattens out as aforesaid.

1,583,304. LAMP. ALFRED MUNZER, New York, N. Y. Filed Apr. 30, 1924. Serial No. 709,949. 3 Claims. (Cl. 240—10.)



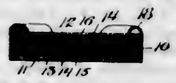
1. Means for connecting a wire frame to a base, having a partially closed ring providing a gap therein and a lug on the base adapted to pass into said gap and when turned interlock with said ring, said ring comprising a spring arm having a free end portion adapted to bear on said lug to retard turning of the parts.

1,583,305. MACHINE FOR CLEANSING KITCHEN UTENSILS. JOHANN NEHL, Cologne-Sulz, Germany. Filed Apr. 14, 1925. Serial No. 22,953. 1 Claim. (Cl. 141—9.)



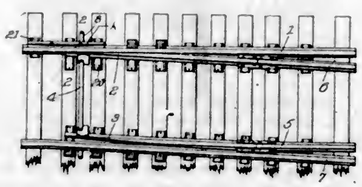
In an automatic dish washing or cleansing machine, two tanks positioned adjoining one another containing cleansing liquid, a pump drawing liquid from one of said tanks, a spraying device connected to said pump and disposed in proximity to the adjacent sides of said tanks, an endless chain passing through both tanks, baskets pivotally disposed on each side of said chain so as to be carried by said chain through said tanks and past said spraying device.

1,583,306. ELECTROSTATIC CONDENSER. WILLIAM W. NEVINS, College Park, and ROBERT L. WALKER, Atlanta, Ga., assignors to A. E. Hill Manufacturing Company, Atlanta, Ga. Filed Oct. 7, 1924. Serial No. 742,126. 2 Claims. (Cl. 250—41.)



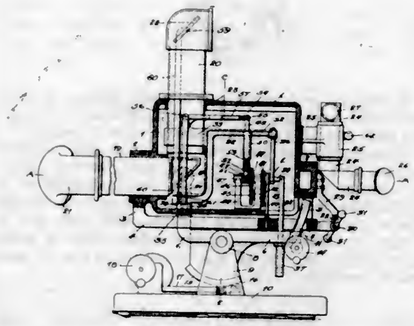
1. A condenser comprising a cylindrical shell with an open end and gaps in its side walls, metal plates and plates of dielectric material alternately placed in said shell, the shell having rolled edges to cause said edges to press on the plates in the shell to keep the plates under an even distribution of pressure to maintain a constant capacity.

1,583,307. SWITCH-POINT PROTECTOR. JAMES CLARENCE PATTERSON, East Orange, and JAMES HENRY LYNCH, Jr., Jersey City, N. J. Filed Feb. 7, 1925. Serial No. 7,473. 7 Claims. (Cl. 246—441.)



1. The combination with a main rail and a movable switch point operatively associated with the main rail, of a protector member positioned on the side of said main rail opposite from the movable switch point, said protector member having its upper portion formed with an upwardly and longitudinally extending deflecting flange having its inwardly directed surface at its end portions outwardly flared and positioned to be engaged by the non-flange or outer side surface of a wheel for deflecting the latter to clear the end of the switch point and said protector member being provided with an inwardly extending flange or shoulder extension formed to engage the fishing surface at the under side of the main rail head, whereby the latter cooperates therewith in opposing tilting of the protector member and means for securing the protector member in position.

1,583,308. FIRE CONTROL. LAWRENCE RADFORD, Washington, D. C. Filed Mar. 23, 1920, Serial No. 368,157. Renewed Mar. 19, 1926. 9 Claims. (Cl. 88—2.2.)

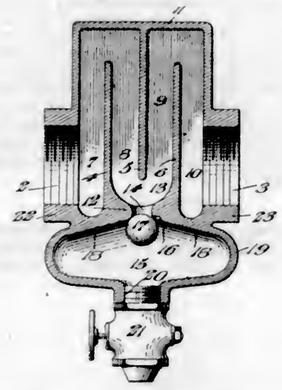


9. In an apparatus for the control of the fire of a group of guns, consisting of a sighting unit, of means for maintaining the support of said sighting unit in an approximately constant relation to the vertical, and of suitable means of communication between the support of said sighting unit and each of said guns, suitable means whereby the error in elevation of each of said guns due to the inclination of the trunnions thereof may be compensated for by reason of the mechanisms embodied in said sighting unit and the support thereof.

1,583,309. RACKET FRAME AND HANDLE. WILLIAM F. REACH, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Oct. 16, 1925. Serial No. 62,698. 4 Claims. (Cl. 273—73.)

1. A racket comprising frame portions secured in proximate relationship to each other, flake members secured on all sides of the frame portions and a grip member secured over each flake member.

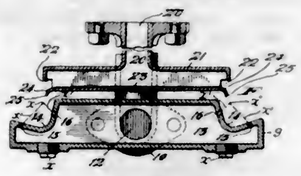
1,583,310. SEDIMENT TRAP. SAMUEL V. REEVES, Haddonfield, N. J. Filed July 15, 1924. Serial No. 726,233. 2 Claims. (Cl. 210—57.)



2. A sediment trap comprising a casing having an inlet and an outlet, and having a circulating chamber ommunicating with said inlet and outlet and formed by baffles certain of which extend from the bottom of said chamber above said inlet and said outlet, said casing having a sediment chamber at its lower portion communicating by a port with said circulating chamber, the upper walls of said sediment chamber converging towards said port, and a float valve in said sediment chamber which tends to move towards said port, due to the converging walls of said sediment chamber.

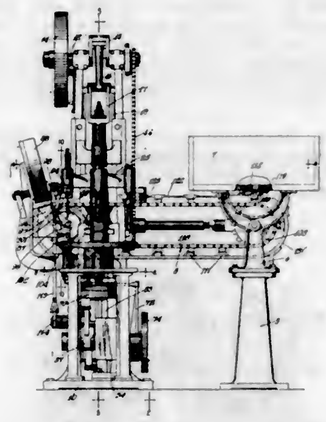
1,583,311. TUBULAR FLAME OIL BURNER FOR CRUCIBLES AND OTHER USES. ERNEST ANDREW REID, London, England. Filed Oct. 22, 1924. Serial No. 745,063. 5 Claims. (Cl. 158—73.)

1. As a new article of manufacture, a fuel oil, tubular flame burner comprising a bar chambered for reception and discharge of fuel oil; a casing having a fuel oil receiving chamber; and a casing having a therewith alined atomizing fluid receiving chamber; the fuel oil receiving chamber having openings at each end and an oil film supporting bottom wall terminating in a dependent, transverse, oil discharge lip at each said opening; and the atomizing fluid receiving chamber having at each end a transverse wall spaced apart from and located below one of said lips; said wall being provided with an upper series and also with an under series of jet orifices; said



casings being in parallelism one with another and mounted crosswise of said chambered bar; and each lip and the therewith associated jet orifices being spaced apart from a side of the bar.

1,583,312. BOBBIN-MAKING MACHINE. OTTO KARL REINHARDT, Jamaica, N. Y., assignor to Yale Electric Corporation, a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,575. 22 Claims. (Cl. 18—5.)

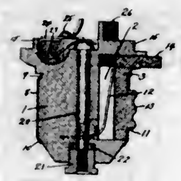


21. A bobbin making machine comprising a molding element having depolarizing material receiving pockets, means for depositing depolarizing material into said pockets successively, means for subjecting the material within said pockets to compression to reduce the same to a predetermined density, means for thereafter ejecting a portion of the material from said pockets successively, means for severing the ejected portions, means for successively introducing electrodes into the material remaining within said pockets, and means for thereafter successively ejecting the depolarizing material together with the electrodes from the machine.

1,583,313. ATTACHMENT PLUG. WILLIAM P. ROBERTSON, New York, N. Y., assignor of one-half to E. W. Hammond, New York, N. Y., and one-third to The Watertown Manufacturing Company, Watertown, Conn., a Corporation of Connecticut. Filed Sept. 30, 1921. Serial No. 504,503. 1 Claim. (Cl. 173—360.)

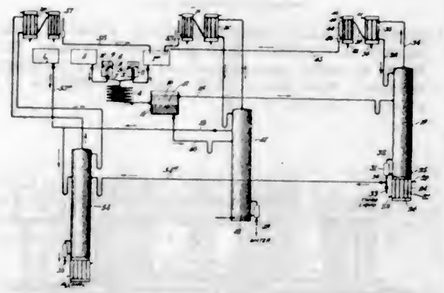
An attachment plug comprising a metallic cylindrical shell having an annular flange at one end thereof, a body portion of insulating material adapted to lie within said shell, a shoulder portion on said body portion adapted to

engage the flange on the shell, an ear connected to the shell and turned over to bear against the rear face of said body portion to hold the body portion within the shell, said shell and body portion being provided with a recess, the shell overhanging the recess in the body portion thereof defining flanges, an element disposed within said recess, resilient means back of said element within



said recess tending to move said element out of said recess, a plurality of screw threaded formations on the exterior surface of the element, and shoulders on the element adapted to engage with the flange portions to prevent the element from being moved completely out of said recess by said resilient means.

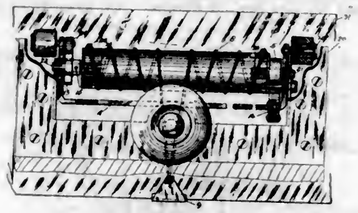
1,583,314. PROCESS OF OBTAINING ALCOHOLS, ETC. WORTH H. RODEBUSH, Berkeley, Calif., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 14, 1921. Serial No. 461,302. 16 Claims. (Cl. 195—15.)



3. The process which comprises distilling a ternary minimum boiling point mixture from a mixture of ethyl alcohol, ethyl acetate and water; adding water thereto and allowing the distillate to separate into two layers; distilling each layer to evolve constant boiling mixtures and adding them to the condensed distillate of the primary distilling process, and obtaining the ethyl acetate and alcohol of low aqueous content as residues of said distillations and returning them to the first liquid mixture undergoing distillation.

1,583,315. AUTOMATIC AUTOMOBILE SHUTTER AND LOCK. JOHN H. ROETHEL, Brooklyn, N. Y. Filed Jan. 21, 1925. Serial No. 3,826. 7 Claims. (Cl. 16—198.)

1. A window lifting device comprising a roller, a window pane slidably cooperating with said roller, spring operated means adapted to rotate said roller in one direction, cords connecting said pane and roller, axles supporting said roller at the ends thereof, a ratchet fixedly mounted on said axle, a frame pivoted on said axle, an articulated pawl pivoted adjacent said frame normally engaging said ratchet, and a link connecting the lower end

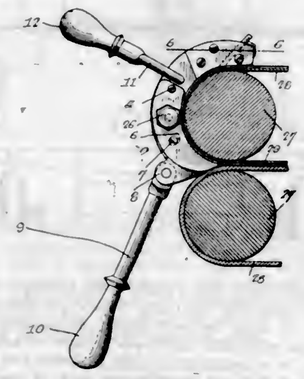


of said pawl with said frame, said frame when moved inwardly being adapted to rotate the pawl out of engagement with the ratchet to permit lowering of the window.

1,583,316. ORTHOPEDIC APPLIANCE. JOSEPHINE ALMA ROUNTREE, Foreman, Ark. Filed Nov. 10, 1921. Serial No. 514,237. 5 Claims. (Cl. 128—76.)

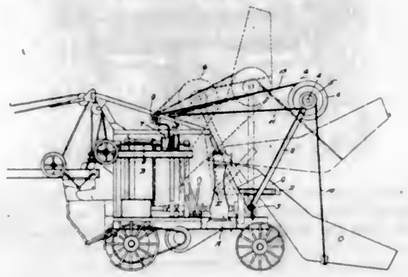
1. An orthopedic appliance of the character described comprising a pair of hook members adapted to engage the corners of the mouth, and means engageable with each hook member and supported on the head of the user to exert an upward and outward pull on said members to hold certain facial muscles under slight distortion.

1,583,317. GROOVING TOOL. ALEXANDRE SENECAL and EDDY GIROUARD, St. Hyacinthe, Quebec, Canada. Filed Feb. 14, 1925. Serial No. 9,322. 6 Claims. (Cl. 164—80.)



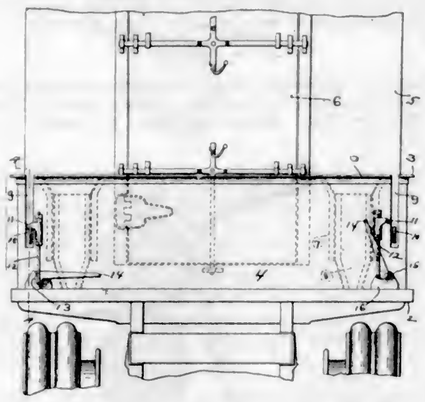
1. A tool of the character described comprising a body, a cutter carried by said body, a pair of guide members attached to said body, and lips extending from said guide members unequally beyond one of the edges of said body.

1,583,318. HOIST MECHANISM FOR POWER LOADERS FOR MIXERS. SAMUEL SHAFER, Jr., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1924. Serial No. 694,744. 2 Claims. (Cl. 214—130.)



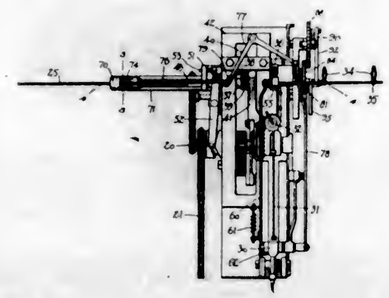
1. The combination with a pivoted loading skip, of a pivoted boom formed of two legs between which the discharge end of the skip lies, a cross shaft extending between the upper ends of the boom and supported thereby, a winding drum supported on the said cross shaft, a cable for tilting the skip extending from the latter to the winding drum, another cable extending from a drum on the shaft to a fixed attachment, and means for turning the said shaft to wind the cables.

1,583,319. FREIGHT CARRIER. ALFRED H. SMITH, Chappaqua, N. Y.; Maude Emery Smith and Emery Holland Smith, executors of the estate of said Alfred Holland Smith, deceased, assignors to the Less Carload Lots Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 21, 1921. Serial No. 524,030. 1 Claim. (Cl. 214—38.)



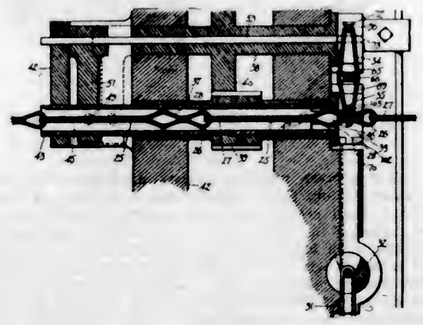
The combination with a motor truck having a platform, bulkheads extending vertically from the platform, vertical slots in some of said bulkheads opening at the top of such bulkheads, guideways secured to some of the bulkheads, of a container on said platform and provided with a door disposed immediately back of one of said bulkheads whereby the door cannot be opened while the container is on the truck, guides on the container constructed to interlock with said guidways, arms on the container projecting through said slots, and means to lock said arms in said slots.

1,583,320. WIRE AND CROSSTIE LINK ASSEMBLING MACHINE. GARY B. SMITH, Chicago, Ill.; Hattie C. Smith administratrix of said Gary B. Smith, deceased. Filed May 9, 1923. Serial No. 637,783. 12 Claims. (Cl. 140—7.)



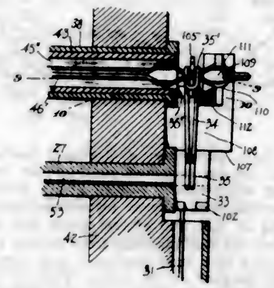
1. A machine of the character described comprising means for advancing wire, a tube through which the wire is advanced, means for supplying cross tie links beyond one end of the tube, a bending member operable at said end of the tube to turn around the wire for bending the cross tie links on the wire, said tube being projected for the bending of the cross tie links around it when they are bent around the wire.

1,583,321. CHAIN AND CROSSTIE LINK ASSEMBLING MACHINE. GARY B. SMITH, Chicago, Ill.; Hattie C. Smith administratrix of said Gary B. Smith, deceased. Filed May 9, 1923. Serial No. 637,784. 17 Claims. (Cl. 140—7.)



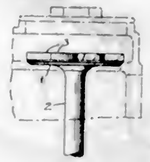
1. A machine of the character described comprising means for advancing a chain, a guide through which the chain is advanced, means for supplying cross tie links beyond one end of the guide, a bending member operable at said end of the guide to turn around the chain for bending the cross tie links on the chain links, and a bar reciprocated within said guide and projected therefrom for the bending of the cross tie links around said member when they are bent around the chain links.

1,583,322. CHAIN AND CROSS TIE LINK ASSEMBLING MACHINE. GARY B. SMITH, Chicago, Ill.; Hattie C. Smith administratrix of said Gary B. Smith, deceased. Filed May 9, 1923. Serial No. 637,785. 6 Claims. (Cl. 140—70.)



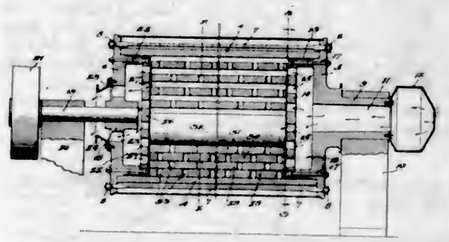
1. A machine of the character described including a bending member having a finger to pass through the loop of a doubled wire link around a chain or other member and a portion to bend the loop around said chain or member after the finger has moved through the loop.

1,583,323. VALVE FOR INTERNAL-COMBUSTION ENGINES. MYLER J. SMITH, Redford, Mich. Filed Oct. 15, 1923. Serial No. 668,585. 4 Claims. (Cl. 251—27.)



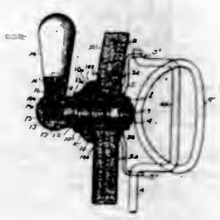
1. A tappet valve having a plurality of approximately radial vanes upon its top surface, each of said vanes having opposite faces, one of which is perpendicular to said surface and the other inclined at an acute angle to said surface.

1,583,324. PULVERIZING MILL. CHARLES BOOTHE STRACHAN, Mascot, Tenn., assignor to Strachan Tube Mill Company, a Corporation of Tennessee. Filed May 25, 1925. Serial No. 32,797. 6 Claims. (Cl. 83—9.)



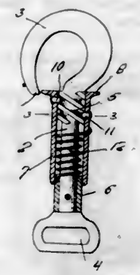
1. The combination of a cylindrical casing, oppositely disposed heads secured to the respective ends of said casing, interiorly projecting annular flanges one on each head piece, a perforated diaphragm secured to each flange whereby a cylindrical chamber is formed in each head piece, and a series of cylinders of progressively decreasing diameters within said casing rolling one within the other and of a length extending from diaphragm to diaphragm.

1,583,325. CHINA ESCUTCHEON. BERT O. TILDEN, Trenton, N. J., assignor to B. O. T. Mfg. Co., Trenton, N. J., a Corporation of New Jersey. Filed Mar. 30, 1925. Serial No. 19,486. 1 Claim. (Cl. 4—67.)



As a new article of manufacture a china escutcheon for flush tanks, having convex outer faces, composed of a circular body having a central axial opening and having a concentric socket at one end, the bottom wall of the socket being concave, the opposite end of the body being formed with a circular cavity surrounded by an annular face, the annular face being concaved to conformably seat against the convex outer face of the tank.

1,583,326. SNAP HOOK. JESSE S. WALLER, Terre Haute, Ind. Filed July 18, 1925. Serial No. 44,473. 7 Claims. (Cl. 24—239.)

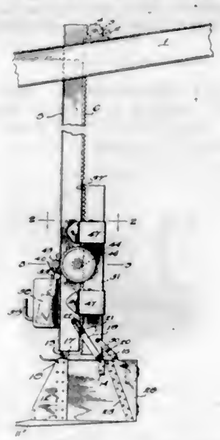


1. A snap hook comprising a shank having a hook at one end, and an eye at the other end, said shank being provided with a spiral groove adjacent said hook, a sleeve surrounding the shank, a pin extending inwardly from the side of the sleeve and adapted to travel in the spiral groove when the sleeve is rotated to effect the moving of the sleeve away from the hook.

1,583,327. EXCAVATING MACHINE. DANIEL JOSEPH WALSH, Pittsfield, Mass. Filed Mar. 23, 1925. Serial No. 17,718. 6 Claims. (Cl. 214—146.)

1. In an excavator, a dipper stick, a dipper mounted on the end of said dipper stick, a lid pivotally mounted

on said dipper, guides arranged on said dipper stick, an auxiliary boom mounted in said guides and movable with

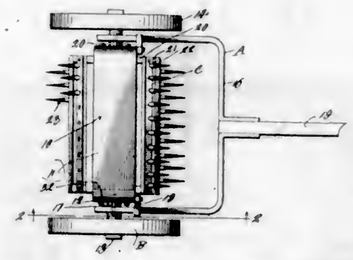


respect to said dipper stick, connections between said auxiliary boom and said lid, a rack carried by said auxiliary boom, and a pinion meshing with said rack.

1,583,328. PURIFICATION OF PROPYL ALCOHOLS. HERMAN F. WILLKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc., a Corporation of West Virginia. Filed Nov. 4, 1921. Serial No. 512,764. 18 Claims. (Cl. 260—156.

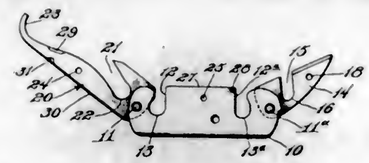
1. The process of purifying a propyl alcohol comprising distilling it from a mixture with an oxidizing agent and treating the vapor with an oxidizing agent, and removing the first and last impure portions of the distillate.

1,583,329. CULTIVATOR. CARL A. WISS, Fort Dodge, Iowa. Filed Sept. 30, 1924. Serial No. 740,804. 1 Claim. (Cl. 97—52.)



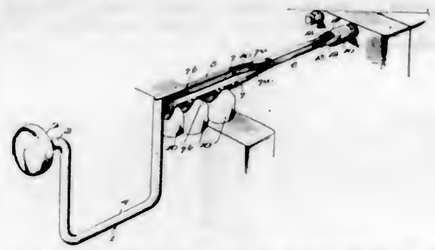
A cultivator for the purpose specified comprising a wheeled frame including an inverted U-shaped supporting member having a top bar and depending side bars, stub axles rigidly carried by the lower ends of the side bars and projecting outwardly therefrom, ground wheels rotatably mounted upon said stub axles, a draw yoke connected with said side bars, a transversely extending cylinder disposed in said supporting member between the side bars thereof including a supporting shaft, spaced plates slidably engaging the inner faces of the side bars, means adjustably connecting the plates with the side bars, pivotally mounted bearing blocks secured to the inner face of the side plates rotatably receiving the supporting shaft, and a plurality of spaced rows of teeth carried by the cylinder.

1,583,330. CHAIN CONNECTER. JOHN H. YOUNT, Pierce, Pa., assignor to John R. Shoffner, Dora, Pa. Filed Nov. 12, 1925. Serial No. 68,603. 4 Claims. (Cl. 24—242.)



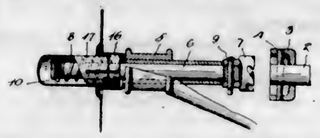
1. In a chain connecter, a U-shaped casing provided in the arms thereof adjacent the opposite ends thereof with aligned notches each formed at its inner end with a link receiving cove, a lever pivoted between the arms of the casing at each end of the casing and between the notch at such end and the end of the casing, each of said levers having a link receiving notch and combining with the adjacent notches of the casing when in closed position to provide a link receiving opening, said levers when in closed position, lying in overlapped relation and means extending through the casing and the lever which is arranged outermost in the casing preventing movement of the lever.

1,583,331. WRENCH. VICTOR H. ALEY and ARTHUR E. MCFARLAND, Wilson, Okla. Filed May 29, 1925. Serial No. 33,697. 5 Claims. (Cl. 81—177.)



3. A socket wrench including operating means having a shank provided with a main slot on each of its side faces and a pair of branch slots on each of its side faces communicating with the main slot thereof, said slots being adapted to have their walls slidably engage with inturned lugs on a plurality of working heads, and means at the forward end of the shank adapted to co-act with any selected one of the working heads for positively driving the selected working head from the shank.

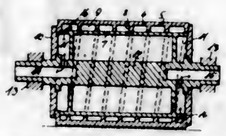
1,583,332. HAND-STARTING-CRANK MECHANISM FOR ENGINES. DAVID BEHRSING and FREDERICK W. HENKE, Jr., Philadelphia, Pa., assignors to Fox Automotive Products Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,497. 4 Claims. (Cl. 74—33.)



1. A hand operating starting crank mechanism for automobiles, comprising a crank shaft connected with the engine, a separate shaft in alignment therewith provided at its inner end with a clutch element, the said shaft being movable longitudinally so that the clutch may be

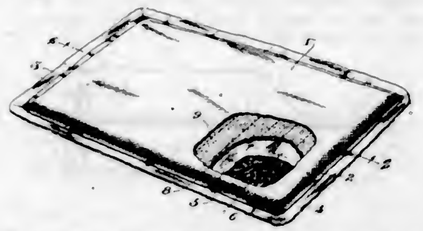
brought into working engagement with the crank shaft, a separable hand crank provided with a sleeve adapted to fit over and engage with the exposed end of the said aligning shaft for rotating the latter, a cup piece extending inward from a frame element of the automobile, and a removable cap enclosing the outer end of said separate shaft and entering within said cup piece.

1,583,333 ROTARY COOLING DRUM. HANS JØRGEN JENSEN BIOUN, Copenhagen, Denmark. Filed June 8, 1920. Serial No. 387,396. 2 Claims. (Cl. 257—96.)



2. A rotary drum for cooling fatty substances and emulsions comprising a cylinder on which the material to be cooled is supplied in a thin layer, a scraper for removing said material from the cylinder, a second cylinder inserted in the first cylinder, an annular narrow space between said two cylinders and a rib integral with the first cylinder and arranged in said annular space so as to form a narrow helical channel through which a cooling liquid may flow.

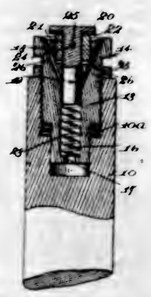
1,583,334. BED COVERING. MARY BLOOM, South Chicago, Ill. Filed Nov. 7, 1924. Serial No. 748,496. 1 Claim. (Cl. 5—334.)



A bed covering comprising an outer casing substantially rectangular in configuration and having one of the shorter ends thereof open, separable fastening devices engageable with the adjacent portions of said open end of the casing for closing the same, at times, a quilted inner member received within said casing being of a configuration generally corresponding to that of the casing, but of a size to permit the arrangement of its marginal portions in spaced relation to the adjacent portions of the casing, and a single sheet of warmth giving material folded transversely and intermediately of its ends upon itself and engaged over the opposite sides of the quilted member and one end thereof, the opposite and free ends of said sheet of warmth giving material covering the opposite end of the quilted member and being arranged in abutting engagement, whereby to fully cover the ends of the quilted member and to maintain the same in spaced relation with respect to the opposite ends of the casing.

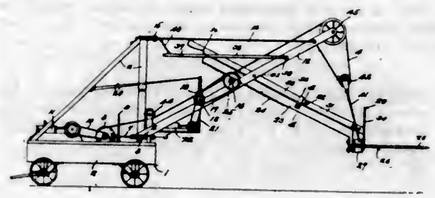
1,583,335. VALVE SILENCER. ALFRED F. BORSCHEL, Buffalo, N. Y. Filed Mar. 22, 1924. Serial No. 701,156. 1 Claim. (Cl. 123—90.

A valve silencer including an externally threaded shell adapted for adjustable positioning within a tappet, rocker arm and the like, said shell having a bore for the major portion of its length and a reduced opening through one end, a stem having a movable bearing within the bore and having a head at its outer end beyond one end of the shell, a spring within the bore of the shell for moving the stem in an outward direction, and a pin through a portion of the stem and through an adjacent portion of the shell to limit spring actuated movement of the stem.



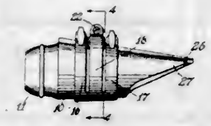
said shell having inclined oil feed openings extending therein from a point adjacent to its upper end and opening at their lower ends into the said bore intermediate the ends of the latter.

1,583,336. LOADER. JOHN CHIAL, Detroit, Minn. Filed Aug. 17, 1925. Serial No. 50,679. 3 Claims. (Cl. 214—135.)



3. In a device of the class described, a support comprising a boom, an arm, means for moving the arm lengthwise on the boom, means for swinging the arm vertically on the boom, a carrier mounted on the boom, a cleaner slidable on the carrier, and means for arresting the movement of the cleaner when the arm is swung vertically and moved lengthwise.

1,583,337. LIGATURE FOR MOUTHPIECES OF MUSICAL INSTRUMENTS. HIPPOLYTE M. CHIRON, New York, N. Y. Filed May 27, 1925. Serial No. 33,113. 5 Claims. (Cl. 84—383.)

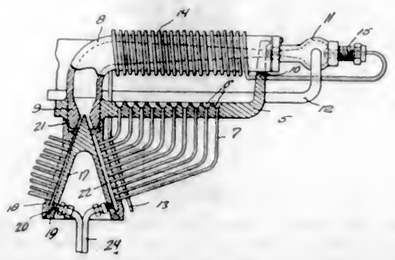


1. A ligature comprising a member having three straps in combination with two thumb screws and a third screw, two of said straps each being tightened by a thumb screw for maintaining the reed on the lay of a mouthpiece, the third strap being adapted to be secured by a screw for maintaining the ligature in fixed position on the mouthpiece.

1,583,338. OIL BURNER. ANDREW BURTON CLAY, Jr., Bunceton, Mo. Filed Oct. 3, 1925. Serial No. 60,256. 5 Claims. (Cl. 158—65.)

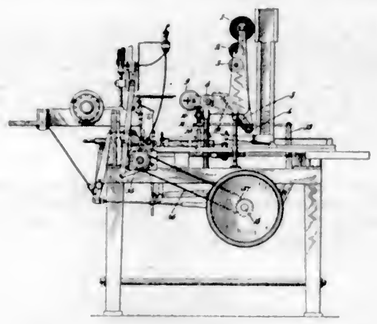
5. An oil burner of the class described including a pan, a conduit extending through the bottom of the pan and curved to extend beyond one end thereof, a mixing

chamber casting on the outer end of the conduit, air pipes communicating with the mixing chamber casting and extending through the pan, an oil pipe coiled about the conduit and communicating with the mixing chamber, a distributor at the bottom end of the conduit and below the pan including a pair of conical-shaped members, one within the other and spaced from each other, a plurality of tubes piercing the outer member and the bot-



tom of the pan, drain pipes piercing the inner member at the base end thereof and extending downwardly therefrom, the inner member provided at its base end with an outwardly extending flange, the outer member provided at its base end with an inwardly extending flange adapted to rest on the first mentioned flange, the upper end of the outer member being threadedly engaged iwth the lower end of the conduit.

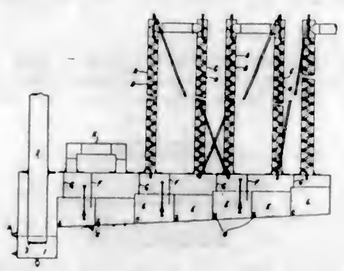
1,583,339. MECHANISM FOR SUPPLYING FOIL. EDWIN J. CONLEY, New York, and EDWARD J. WHALEN, Howard Beach, N. Y. Filed Mar. 31, 1923. Serial No. 629,051. 20 Claims. (Cl. 271—2.4.)



1. In a mechanism for supplying a continuous band of foil, an oscillating non-tiltable roller positioned to weight down said band of foil, and positioned between guideways on both sides of said roller to prevent lateral movements.

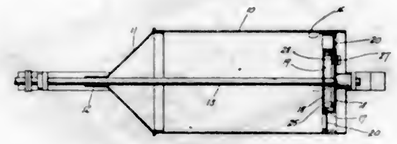
1,583,340. FRACTIONATION OF HYDROCARBON OILS AND LIKE LIQUIDS. ROBERT HENRY CROZIER, London, England. Filed July 7, 1925. Serial No. 41,976. 9 Claims. (Cl. 196—138.)

1. Apparatus for the fractionation of hydrocarbon oils and like liquids including columns through which the vapours to be treated may pass serially upwards, pipes containing heating medium and traversing said columns, columns alternating with said first-mentioned columns through which the vapours may pass serially downwards, pipes containing cooling medium and traversing said second-mentioned columns, a connection between each column of the first series and a column of the second



series, means connecting the pipes containing cooling medium serially and means connecting the pipes containing heating medium serially and condensate collecting boxes disposed beneath and open to the lower ends of at least some of said columns.

1,583,341. PROPELLER OR BLOWER. CHARLES DE CRETTE, New York, N. Y. Filed July 19, 1924. Serial No. 726,931. 1 Claim. (Cl. 170—163.)

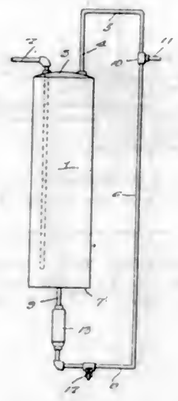


In a blower or propeller, a cylindrical body open at both ends, a plurality of blades mounted in said body, said blades being curved longitudinally to conform to the periphery of the body, the blades being normally inclined to provide a space between each pair of blades at adjacent ends, the ends of said blades overlapping in spaced-apart staggered relation, an annular hub supporting said blades on its periphery, said hub having openings at the free ends of said blades, a pin on the free end of each blades being adapted to register in said channels, said ring rotatable in said hub and having inclined channels formed on its periphery, the pins on the free ends of said blades being adapted to register in said channels, said ring when rotated being adapted to swing the blades about the fixed pivot, and means for rotating said adjuster ring.

1,583,342. HOT-WATER-CIRCULATING SYSTEM. LOUIS S. DLUGOSCH, Storm Lake, Iowa. Filed Feb. 29, 1924. Serial No. 696,026. 1 Claim. (Cl. 126—362.)

A water circulating system comprising a tank, a water supply pipe leading into the tank and terminating adjacent the bottom thereof, a water circulating conduit connected at its upper end to the top of said tank and connected at its lower end to the bottom of the tank, a portion of said conduit being disposed on a level below the bottom of the tank, a house supply pipe communicating with said circulating conduit, a check valve

in said circulating pipe adapted to prevent the flow of water from the bottom of the tank through said conduit, and a water discharge spigot for the tank also



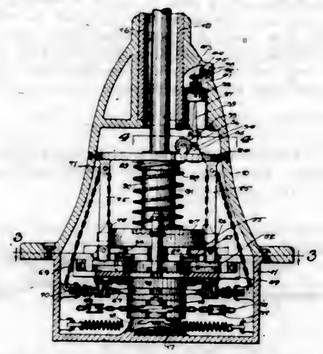
in the circulating conduit, said spigot being disposed below the bottom of the tank, and said check valve being disposed between the spigot and the bottom of the tank.

1,583,343. GRIP FOR CORDS, ROPES, AND THE LIKE. JAMES HENRY DUERDEN, Burnley, England, assignor of one-half to Herbert Pollard Cooper, Burnley, England. Filed Oct. 1, 1925. Serial No. 59,942. 1 Claim. (Cl. 24—129.)

A grip for a cord, rope or other similar flexible element, comprising an elongated plate having a plurality of longitudinal slots spaced longitudinally from one another to receive the flexible element and each slot being provided with an entrance between its ends extending to one edge of the plate, the end portions of the slots being rounded to accommodate the flexible element for which the grip is intended and extending through slightly more than one-half of a circle, so as to permit free sliding movement of the flexible element within said end portions of the slots when the flexible element is slackened, and so as to form restricted throats of reduced width between said rounded portions and entrances to pinch the flexible element when it is tightened.

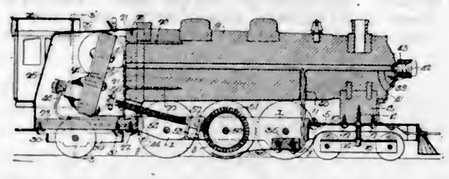
1,583,344. SEMAPHORE SIGNAL. ARTURO DURÁN, San Antonio, Tex., assignor of one-half to James M. Dwyer, San Antonio, Tex. Filed Sept. 25, 1923. Serial No. 664,763. 14 Claims. (Cl. 116—63.)

7. In a street crossing semaphore, a shaft carrying a signal device, means to operate said shaft from a remote station to set the signal, spring means tending to restore the signal to neutral position, a ratchet moving with the signal, a pawl engaging the ratchet, trip means for releasing the pawl and including a trip releasing member actuated to move from normal position upon setting of the signal and movable independently of the signal movement to return to normal, an element moving with said signal, a grip operatively connected to said trip releasing member to move the same from normal position and releasably gripping the element, release means in the



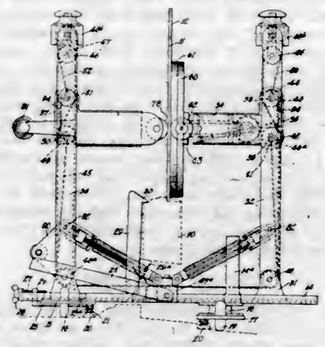
path of the grip for freeing the same from said element, means connected to the trip releasing member to retard the return of said member to normal position, and a regulating device for the retarding means.

1,583,345. TOY OR MODEL LOCOMOTIVE. PAUL H. EGOLF, Narberth, Pa. Filed Dec. 7, 1922. Serial No. 605,449. 4 Claims. (Cl. 105—49.)



1. A toy locomotive comprising a super-structure representing cab, fire-box, and boiler, the fire-box being hollow, a motor mounted in the fire-box, a main truck comprising a driving wheel and detachably secured to the superstructure, and a flexible connector between the motor and the drive wheel.

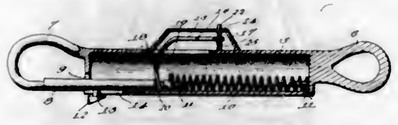
1,583,346. WINDOW-CLEANING DEVICE. RICHARD FELGNER, Brooklyn, N. Y. Filed May 21, 1925. Serial No. 31,853. 3 Claims. (Cl. 15—103.)



1. A device of the class described comprising a mobile carriage and rollers supporting said carriage, one set of rollers being mounted adjustably beneath one end of the mobile carriage, a second carriage slidable longi-

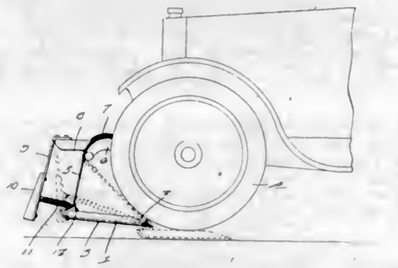
tudinally in the first-named carriage, vertical guide channels pivoted at their lower ends on the second carriage, vertically moving carriages guided between the vertical channel members and a pair of chains connected to said vertically moving carriages and adapted to simultaneously lift and lower said carriages when one of the latter is moved, and a cleaning disk rotatably mounted on one of said vertically moving carriages and means for rotating said disk when one of said vertical carriages is moved.

1,583,347. SNAP HOOK. JOHN A. FRISCHKNECHT, Connell, Wash. Filed July 7, 1925. Serial No. 42,065. 4 Claims. (Cl. 24—241.)



1. In a snap hook, the combination of a hollow body having a hook formed at one end, a spring pressed plunger slidably mounted in said body adapted to abut the free end of said hook, an annular groove formed adjacent the rear end of said plunger and a forked lever pivotally mounted in said body adapted to releasably engage the groove in said plunger.

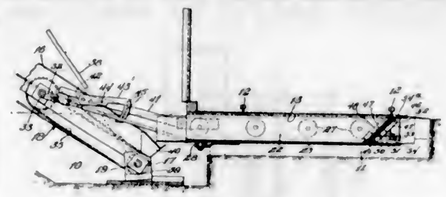
1,583,348. EMERGENCY BRAKE FOR VEHICLES. HARRY P. C. GERSTEL, Detroit, Mich. Filed May 9, 1925. Serial No. 29,100. 2 Claims. (Cl. 180—83.)



1. An emergency brake for vehicles comprising a transversely extending brake shoe, flexible means for attaching the same to the chassis of the vehicle at a point forwardly of the vehicle wheels, a pumper board disposed forwardly of the brake shoe, flexible means for supporting the same on the vehicle transversely thereof, a coil spring connecting the bumper board and the brake shoe, said brake shoe adapted to be moved rearwardly between the vehicle wheels and the ground to effect the stopping of the vehicle when the bumper board encounters an object, and resilient means associated with the brake shoe supporting means and adapted for cooperation with the aforementioned coil springs for automatically returning the brake shoe and the bumper board respectively to their normal positions when the wheels are disengaged from the brake shoe.

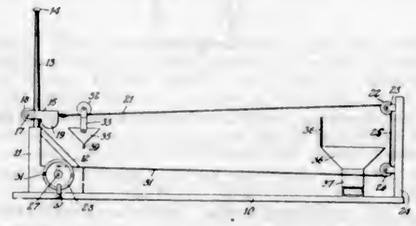
1,583,349. FEEDING MECHANISM FOR ELEVATORS. HOWARD F. GONSUCH, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed July 29, 1925. Serial No. 46,693. 8 Claims. (Cl. 198—106.)

3. A feeding mechanism of the character described including a reciprocatable trough-shaped conveyor, an end plate extending downward and forward into the conveyor at an angle thereto, and means for resiliently



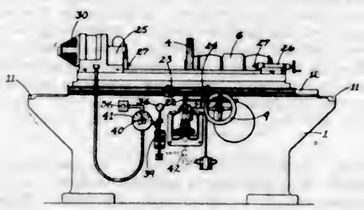
urging said end plate downward and forward into approximate contact with the bottom of the conveyor.

1,583,350. CONVEYER TOY. CHARLES GUISCHARD, Richmond Hill, N. Y. Filed Oct. 8, 1925. Serial No. 61,185. 3 Claims. (Cl. 104—113.)



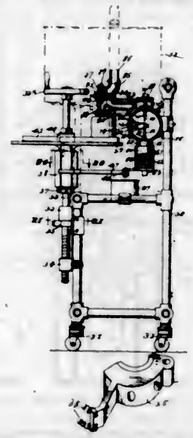
2. In a toy conveyer, a base, a flexible staff extending upwardly from one end of said base, a rigid post extending vertically from the opposite end of said base, a wheeled carriage adapted to ride vertically on said staff, said carriage comprising a yoke adapted to pass around said staff, a pulley rotatably mounted between said yoke and adapted to ride upon the surface of said staff, a cable fixed to said pulley extending horizontally toward the rigid post, said cable being adapted to have one end lifted or lowered by raising or lowering said yoke, said cable when pulled being adapted to deflect the staff to raise said cable to an angular position, and means for pulling said cable.

1,583,351. GRINDING MACHINE. JAMES N. HEALD and ALBERT TURNER, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 14, 1922. Serial No. 574,940. 7 Claims. (Cl. 51—133.)



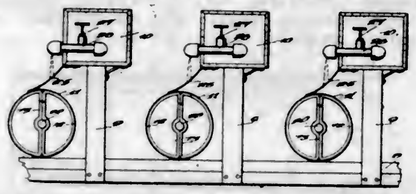
4. In a grinding machine, the combination with a table for supporting the work, of means operable by fluid pressure for reciprocating said table, an electric motor carried by said table for rotating the work, and a lever movable into opposite positions for respectively starting and stopping said motor and opening and closing the fluid pressure supply, said lever, in an intermediate position, adapted to throttle said supply without starting said motor.

1,583,352. CAN-FILLING MACHINE. MAURICE HOFHEIMER, Baltimore, Md. Filed Oct. 25, 1920. Serial No. 419,378. 4 Claims. (Cl. 226—96.)



1. In a can filling machine, a table having a depending vertical shaft, means for rotatably mounting the shaft, means for vertically adjusting the shaft in its mounting, an elongated ratchet sleeve on the shaft of the table and movable vertically with it, a pawl engaging the ratchet in its different adjustments, means for oscillatably mounting the said pawl, and means for actuating the pawl when in engagement with the ratchet sleeve to impart rotary motion to the said ratchet sleeve.

1,583,353. SHEET-COLORING APPARATUS. JAMES EDWARD KANE, Holyoke, Mass. Filed Sept. 27, 1924. Serial No. 740,277. 2 Claims. (Cl. 101—171.)



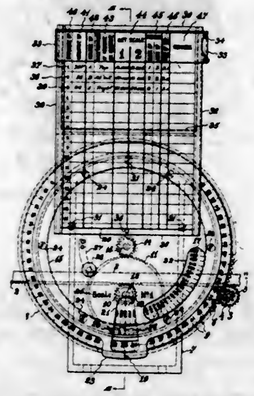
1. In sheet marking apparatus, the combination with an endless conveyor belt, of a plurality of reservoirs supported above the belt and spaced apart, a pattern carrying drum located below one of the reservoirs and partially therebeneath, a drum located below the other of the reservoirs and delivering material to the same portions of the sheets carried by the belt as is supplied by the first-mentioned drum, certain of said drums being located between adjacent reservoirs, a yielding apron secured to the lower portion of each reservoir and resting on the underlying drum, said apron being of substantially the length of the reservoir and drum, and means for delivering fluid material from each reservoir to and substantially the length of the apron connected thereto.

1,583,354. STEAM DRIER. MAURICE KAUNITZ and SAMUEL LANZET, New York, N. Y. Filed Aug. 11, 1925. Serial No. 49,510. 4 Claims. (Cl. 34—12.)

4. A drying kiln comprising a longitudinal body open at both ends, rollers at said open ends of the body, a platform formed at one end of said body supporting a roller thereon, a conveyor belt passing over the platform entirely thru the drying kiln, a boiler exterior of said kiln, coils in said boiler comprising manifolds mutually spaced apart, pipes connecting said manifolds, said boiler communicating thru pipes with adjacent manifolds,

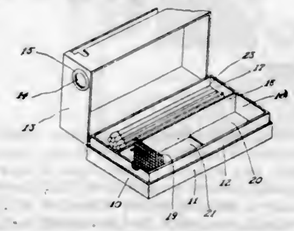
a return pipe connecting the opposing manifolds with the boiler, said coils being inclined from the center to a lower level outwardly toward the open ends of the kiln to drain the return pipes.

1,583,355. MICROMETER SCALE, OPERATOR'S CARD, AND LAYOUT SHEET FOR PRINTING AND OTHER WORK. ERNEST E. KOTTENBACH, New York, N. Y. Filed Mar. 19, 1920. Serial No. 367,168. 2 Claims. (Cl. 16—129.)



1. A micrometer scale for photo composing machines and the like embodying a rotatable dial graduated in units, a second rotatable dial graduated in decimals of the unit, a fixed reading designation associated with the unit dial, a fixed reading graduated designation associated with the decimal dial, a prime mover adapted to be operated by some movable part of the associated machine and proportioned operating connections between the prime mover of the unit and decimal dials whereby the prime mover may be caused to definitely position the movable member and the machine with which it is associated by watching the dials while said member is manipulating.

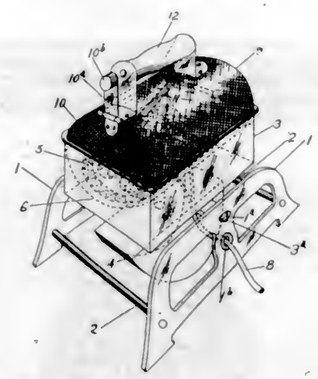
1,583,356. COMBINATION MATCH SAFE AND CIGARETTE LIGHTER. HENRY LÄHNDORFF, New York, N. Y. Filed Nov. 20, 1925. Serial No. 70,214. 2 Claims. (Cl. 206—36.)



1. A device of the class described comprising a box-like structure containing two compartments arranged side by side, a cover closing said box-like structure, one

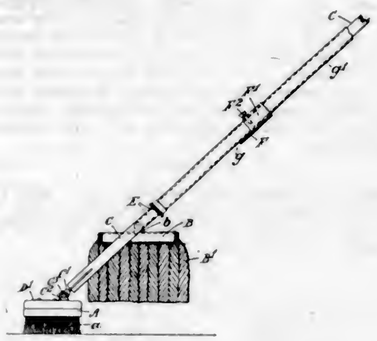
of said compartments forming a match storage chamber, the adjacent compartment being provided for igniting matches, a grill in the adjacent compartment and a striking element located in said compartment and spaced from the grill, a hinged trap door in the cover adapted to be opened by the insertion of a match.

1,583,357. CORN POPPER. ARTHUR P. LEWIS, Akron, Ohio, assignor of one-fifth to Reno Dutt, Akron, Ohio. Filed June 12, 1925. Serial No. 36,626. 11 Claims. (Cl. 53—4.)



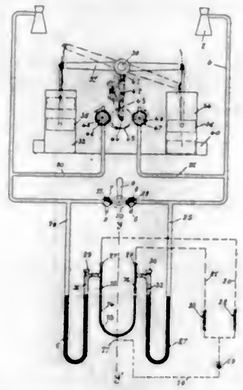
1. In an electric corn popper, a frame, and an electrically heated corn container pivotally suported thereon and balancing means suspended from said corn container.

1,583,358. CLEANING APPLIANCE FOR FLOORS AND OTHER SURFACES. MARY ANN EMILY MAYES, London, England. Filed Mar. 30, 1925. Serial No. 19,440. 7 Claims. (Cl. 15—114.)



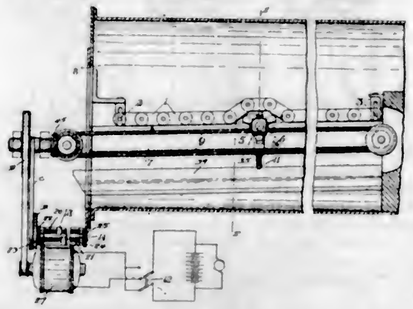
1. A scrubbing and cleaning appliance, comprising a shaft; an elongated tubular member fitting telescopically over the shaft and slidable on the same in either direction; a cleaning device connected to the lower end of the shaft; and a cleaning device connected to the lower end of the tubular member for movement bodily therewith, whereby it may be selectively projected or retracted into or out of a common working position with the first cleaning device.

1,583,359. STABILIZER FOR THE STRAIGHT TRAVEL OF AIRCRAFT. MAURICE ALEXANDRE MAZADE, Paris, France. Filed Dec. 23, 1924. Serial No. 757,705. 6 Claims. (Cl. 244—29.)



1. In a stabilizer for aircraft comprising Venturi nozzles disposed on either side of the longitudinal middle plane of the aircraft, manometric means adapted to register the pressure differential produced by said nozzles, pipes respectively connecting said nozzle with said manometric means, adjustable air inlet members disposed upon said pipe, a servo-motor controlled by said manometric means, and means for operatively connecting said servo-motor with the rudder of the aircraft, the provision of means for operatively connecting said servo-motor with said air inlet members whereby the action of the nozzle having the predominant action upon the manometric means is gradually reduced.

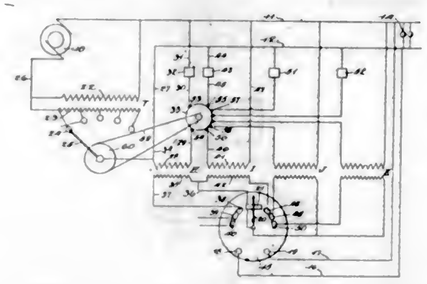
1,583,360. FURNACE GRATE. WILLIAM HERBERT NIELD, Stockport, England. Filed Mar. 25, 1920. Serial No. 368,627. 8 Claims. (Cl. 110—33.)



1. A furnace grate comprising a plurality of links connected together to form a flexible chain, means to raise said links successively to cause a hump therein to travel from end to end of the grate, and devices controlled in unison with the movement of said raising means to reverse the direction of movement of said hump.

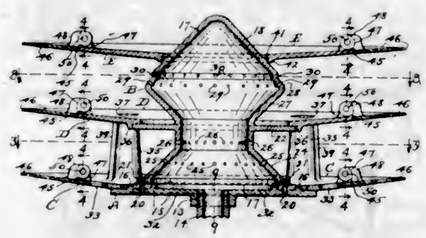
1,583,361. AUTOMATIC REGULATOR. JOSEPH S. O'HARA, Romney, W. Va. Filed Feb. 5, 1924. Serial No. 690,829. 2 Claims. (Cl. 171—119.)

1. In a system including electrically operated means for controlling the system; a plurality of circuits each connected with the controlling means, a meter, an indicator on said meter, a contact member carried by said indicator and connected with said circuits, and a series of contacts fixed with respect to said meter, each connected with one of said circuits and so positioned as to lie in proximity to the path of said contact member on



said indicator and to be covered by said contact member, one after another, for closing said plurality of circuits in the order of the series for regulating the operation of said electrically operated controlling means the circuit or circuits initially closed remaining in that condition while the successive circuits are closed.

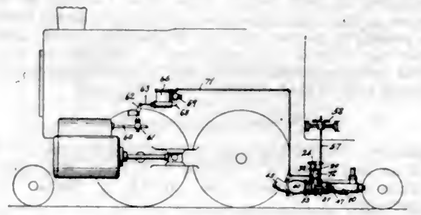
1,583,362. HEATING BURNER. HERMAN J. OSTENDORF, Cleveland, Ohio. Filed Nov. 17, 1925. Serial No. 69,597. 8 Claims. (Cl. 158—99.)



1. A heating burner comprising a body and several vertically spaced baffles arranged externally and extending circumferentially of the body, said body having a fuel-receiving chamber extending from within the lower portion into the upper portion of the body, the space between adjacent baffles being placed in communication with the space under the burner, said body being provided, between said adjacent baffles, with two vertically spaced annularly arranged series of apertures which communicate with the aforesaid chamber and extend to the exterior of the body, and the apertures of each of said series of apertures being arranged to discharge toward the discharge from the apertures of the other of said series of apertures.

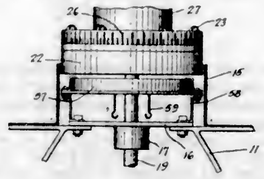
1,583,363. INJECTOR. RUDOLF M. OSTERMANN, Evanston, Ill., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 18, 1924, Serial No. 693,451. Divided and this application filed Nov. 18, 1924, Serial No. 750,546. Renewed Oct. 19, 1925. 3 Claims. (Cl. 162—1.)

1. In an injector adapted to be operated by the exhaust steam from an engine, a water controlling device, to regulate the amount of water delivered to the injector, a valve member for controlling the flow of exhaust steam through said injector, and mechanism, connected with a movable element of the engine which is indicative of the



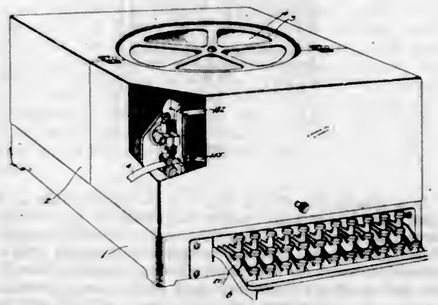
exhaust steam conditions, to automatically actuate said valve member in accordance with variations in said exhaust steam conditions.

1,583,364. CONFECTION APPARATUS. JOHN PARCELL, New York, N. Y. Filed Apr. 13, 1923. Serial No. 631,871. 1 Claim. (Cl. 107—8.)



A floss candy machine comprising a platform, a pan fixed to extend thereabove, a sectional melting pot having a removable upper portion, a vertical shaft supported on said platform, said shaft carrying said pot, a motor on said platform for driving said shaft, a gasoline tank on said platform secured to said pan, a burner below said pot, means for controllably conducting the gasoline to enter said heater, and a series of narrow elongated vertical slots in the wall of said pot opening to said pan, said slots alternating in length whereby floss strands of varying width are extruded.

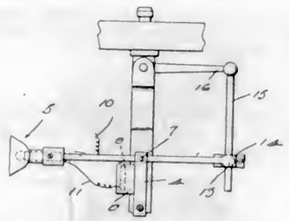
1,583,365. PRINTING TELEGRAPHY. HARRY PFANNENSTIEHL, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 8, 1922. Serial No. 550,646. 3 Claims. (Cl. 178—27.)



1. The combination in a unitary printing telegraph transmitting and receiving mechanism of a transmitting contact, a plurality of key levers, an all-mechanical distributor, code selecting bars set by said levers for controlling said distributor, a power shaft for driving said distributor to actuate said contact, a receiving magnet

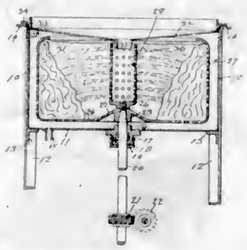
responsive to impulses sent by said contact, a set of rotatable combination rods arranged to be displaced horizontally by said magnet, a series of translation levers controlled by said rods, a type wheel rotatable in response to the cumulative action of said translation levers to present a desired type for printing, a second power shaft for rotating said combination rods and for actuating said translation levers, and a common motor for driving both of said shafts.

1,583,366. AUTOMOBILE HEADLIGHT. JESSE H. PIKE and CHARLES J. MULLENS, Portage, Wis. Filed July 8, 1925. Serial No. 42,214. 1 Claim. (Cl. 240—62.)



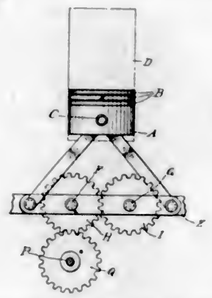
A dirigible spot light for motor vehicles comprising a supporting arm, an electric lamp mounted on the outer end of said supporting arm, a mounting, said arm being pivotally supported intermediate its ends on said mounting, a connection between the outer end of said arm and the connecting rod of the steering gear of the motor vehicle whereby the arm and the lamp mounted on the outer end thereof move in unison with the connecting rod of the usual steering gear, an insulated block carried by the mounting, a contact arranged on the insulated block, an electrical connection between said contact and said lamp, said arm being adapted to swing in a horizontal plane and normally disposed out of engagement with the contact on said insulated block, said arm being adapted to engage the contact when swung to a predetermined position simultaneous with the turning of the wheels of the vehicle.

1,583,367. RINSING AND DRYING MACHINE. WILLIAM E. PINCKNEY, Portland, Oreg. Filed Apr. 27, 1925. Serial No. 26,066. 1 Claim. (Cl. 68—18.)



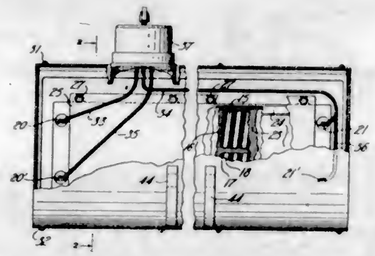
In a rinsing and drying machine, the combination of a square water container having an outlet in the bottom thereof and having an invertible cover removably placed thereon, said cover having a central neck provided with a removable cap; a vertical shaft passing upwardly through the bottom of said container, said shaft having portions which extend upwardly into said container that are tapered and threaded; a perforated basket mounted on the tapered portion of said shaft; a sprinkler head on the threaded end of said shaft acting as a nut to hold said basket in place on said shaft in a manner to rotate with said basket and to discharge water and air tangentially against the clothes lying against the sides of said basket.

1,583,368. TRANSMISSION FOR ENGINES. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Company Incorporated, Miles City, Mont., a Corporation. Original application filed May 3, 1921, Serial No. 466,591. Divided and this application filed Dec. 22, 1922. Serial No. 608,506. 1 Claim. (Cl. 74—14.)



In a transmission for engines, a cylinder, a piston slidable therein, a wrist pin journaled in the said piston, two parallel shafts, bearings for said shafts, a crank on each shaft, pitmans connecting the crank and the wrist pin, intermeshing gears carried by the shafts and adapted to be rotated in opposite directions thereby, a third shaft, a gear thereon adapted to mesh with one of the aforementioned gears, the two cranks being positioned on opposite sides of the said intermeshing gears and being longer than the radii of the said gears whereby a long piston stroke is obtained.

1,583,369. IRONING SHOE. CHARLES E. REDDIG, Kew Garden, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1924. Serial No. 723,139. 4 Claims. (Cl. 219—19.)

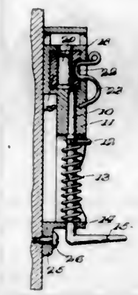


4. An ironing shoe for a power driven ironing machine comprising a plano-concave shaped casting, an arcuated flange secured on said casting and arranged to form a housing adapted to be filled with insulating material, a heating unit consisting of a plurality of independent coils in said housing, and a switching device mounted on said flange to render said coils effective with respect to said casting singly or collectively.

1,583,370. BURGLAR ALARM. FRANCIS ALVIN REECE and LUCION TELL COVENTRY, Sedro-Woolley, Wash. Filed Apr. 25, 1925. Serial No. 25,921. 2 Claims. (Cl. 116—89.)

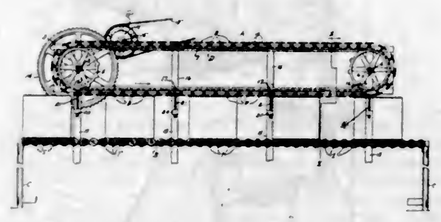
2. In an alarm including a spring actuated firing bolt, and a bracket in which said bolt is controlled and actuated, a cartridge holder having a lengthwise series of cartridge chambers, said bracket having an opening through which the holder is movable to successfully aline its cartridge chambers with the firing bolt, said bracket

also having a slot through its wall opposite the holder receiving opening, and said holder having a recess in one face opposite each of its chambers, and a spring retain-



ing member mounted on the bracket and having a portion thereof normally extending through the slot of the bracket and into one of the holder recesses whereby to support the holder against accidental displacement.

1,583,371. BOX-SEALING MACHINE. BERNARD RICH, St. Louis, Mo., assignor to American Syrup & Preserving Company, St. Louis, Mo., a Corporation of Tennessee. Filed Dec. 1, 1924. Serial No. 753,078. 1 Claim. (Cl. 93—2.)



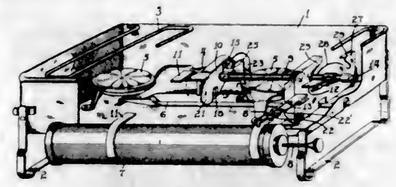
A box-sealing machine comprising a member provided with bottom rollers along which the boxes to be sealed travel, and spring-pressed presser members adapted to contact with the boxes, said presser members only being adapted to impart movement to the boxes to move them longitudinally of the first mentioned member, said rollers aiding in the free passage of said boxes along said member.

1,583,372. PURIFICATION OF PHENOLPHTHALEIN. JOHN GEORGE SCHUDEL, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 5, 1923. Serial No. 617,162. 9 Claims. (Cl. 260—65.)

1. The method of purifying impure phenolphthalein which comprises subjecting impure phenolphthalein to the action of reducing agents in the presence of an acidified organic solvent, separating the solution from the insoluble residue, and from the solution crystallizing the purified phthalein.

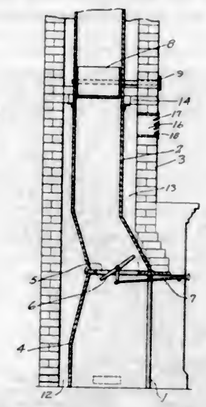
1,583,373. PORTABLE CAMP STOVE. HIRAM W. STRONG and CHARLES E. DAVIDSON, Wichita, Kans., assignor to The Coleman Lamp Company, Wichita, Kans., a Corporation of Kansas. Filed June 11, 1925. Serial No. 36,320. 4 Claims. (Cl. 126—38.)

1. In a camp stove, a casing, a burner in the casing, a fuel tank having a vaporizer tube rigidly connected thereto, and a detachable, swingable connection between said tube and one of said parts whereby the tank may be entirely disconnected from the device for the purpose of replenishing the fuel supply or repair, but may be wholly



disposed on the outside of said casing when in use and moved to a position inside the casing when not in use without detaching such connection.

1,583,374. COMBINATION FIREPLACE AND FURNACE. CHRISTIAN UHRSTROM, Seattle, Wash. Filed Apr. 12, 1923. Serial No. 631,538. 1 Claim. (Cl. 126—12.)

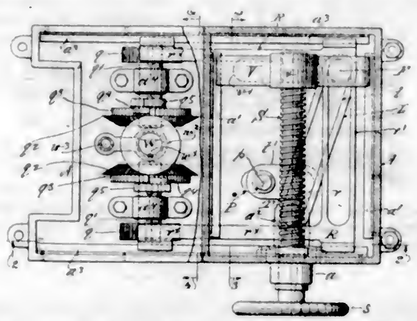


In an open fireplace, a firebox having the front and bottom open, the sides parallel, and the back inclined towards the front from a point about one-third of the distance from the base; a damper pivotally mounted in an opening in the top of said firebox, a bar for operating said damper from the front of the fireplace, a flue with its lower end forwardly inclined which rests upon the top of the firebox, a damper in said flue at a point somewhat above the firebox, said damper being provided with means for operating it from a remote point, said flue being provided with an outwardly extending flange at its lower end to support the fireplace wall over the opening, an air space around said flue and firebox extending for a considerable distance up the flue, cold air vents opening to the bottom of said air space, and outlet vents with adjustable shutters in them in the upper part of said air space.

1,583,375. VARIABLE-SPEED CONTROL MEANS. JOSEPH VIGLIANO, New York, N. Y. Filed Jan. 16, 1926. Serial No. 81,632. 1 Claim. (Cl. 74—54.)

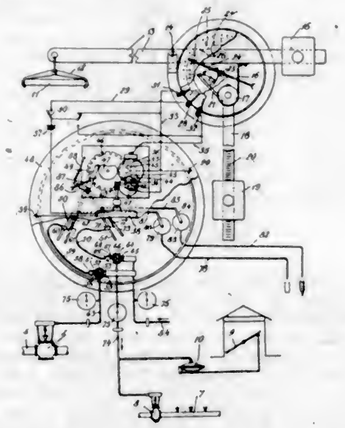
Variable speed control mechanism of the character designated, comprising a grooved variant slide, means for adjusting the position of said variant slide, a grooved thrust lever, a travelling fulcrum stud extending into the grooves in said variant slide and said thrust lever, a rack frame slotted to straddle said travelling fulcrum stud and formed with parallel rack arms, rock shafts having rigidly attached rocker pinions engaging said parallel rack arms, mitre drive gears loosely mounted on said rock shafts.

ratchet and pawl means for coupling said mitre drive gears to said rock shafts, a work shaft and mitre pinion gears loosely mounted thereon, clutch means for coupling



said mitre pinion gears alternately to said work shaft, a power shaft and means for transmitting motion therefrom to the fulcrum of the said thrust lever, substantially in the manner and for the purpose set forth.

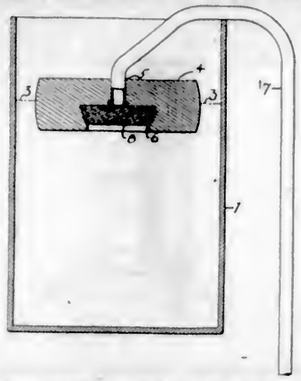
1,583,376. APPARATUS FOR DRYING AND THE LIKE. JOHN BERCHMANS WELCH, New Orleans, La. Filed Dec. 5, 1924. Serial No. 754,031. 57 Claims. (Cl. 34—19.)



1. In an apparatus for the treatment of material requiring progressively different conditions of an operating medium as the material being treated undergoes characteristic changes in the course of the treatment operation the combination of conrolling instrumentalities adapted to be adjusted so as to establish and maintain different conditions of said operating medium, control means responsive to said characteristic changes in a representative sample of the material being treated, and means actuated by said control means for adjusting said controlling instrumentalities to progressively establish and maintain the different conditions of said operating medium required in the course of the treatment operation.

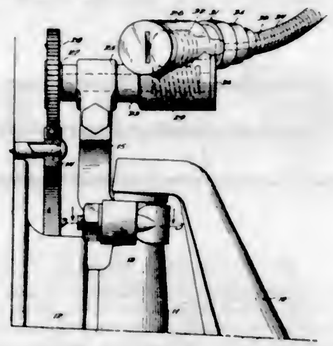
1,583,377. STRAINER. EDWARD WELEBA, Ferguson, Mo., assignor of twenty per cent to August Wiegers, St. Louis, Mo. Filed Oct. 24, 1924. Serial No. 745,538. 1 Claim. (Cl. 210—47.)

A filter comprising a float in the form of a block, having a recess dovetailed inwardly on one side of the float and also having a hole extending from said recess to the opposite side of said float and filtering material



located in said recess and retained by the inclined sides of the recess.

1,583,378. SPINDLE BRACKET. FRANK WILLIAM WEST, New Rochelle, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Filed July 13, 1922. Serial No. 574,732. 4 Claims. (Cl. 74—7.)

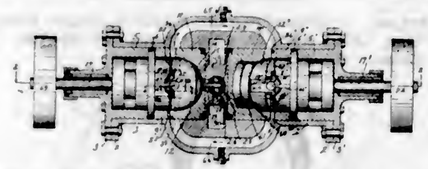


1. In a device of the class described, the combination with a vehicle axle, a steering knuckle including an upstanding spindle pivoted at its upper end to the axle, a road wheel mounted on the steering knuckle, a driving gear carried by the wheel, of an attachment comprising an upstanding post positioned between the gear and spindle and projecting above the axle, means for fastening the lower end of the post directly to the upper portion of the spindle, a bearing member adjustably positioned in the upper end of the post, projecting on opposite sides thereof and overlapping the spindle and axle, a speedometer driving shaft journalled in said member, and a driven pinion fixed to said shaft and meshing with said driving gear.

1,583,379. MOTION-TRANSMITTING APPARATUS. ALLEN DEWEY WHIPPLE, Milwaukee, Wis. Filed Aug. 8, 1919. Serial No. 316,200. 15 Claims. (Cl. 103—127.)

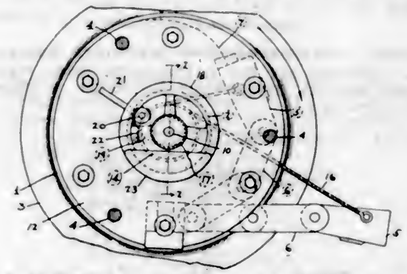
1. Motion transmitting apparatus, including the combination with a ported casing, having an interior surface provided with a spherically rounded zone, of a rotary piston having a spherically rounded surface fitted to the surface of said zone, said piston having its working face recessed, and provided with packing members adapted to oscillate about axes radiating in a common plane from a

center with which said rounded surfaces are concentric, a rotary driving member having a working face opposed to that of the piston, and having wing partitions adapted to cooperate with the packing members in connecting the



driving member with the piston to rotate the latter, and to form liquid receiving pockets between them, adapted for registry with the casing ports when the driving member is rotated.

1,583,380. WIRE-DRAWING DRUM. WARREN K. WILLIAMS, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed July 22, 1925. Serial No. 45,239. 7 Claims. (Cl. 242—78.)

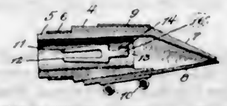


1. In mechanism of the character described, the combination of a rotatable drawing drum, a gripper, a flexible member connecting the latter with said drum, and means adapted to hold said gripper to said drum against centrifugal force, said means including a supplemental drum mounted on said drawing drum, a cable connecting said gripper to said supplemental drum, and means adapted to rotate the latter independently of said drawing drum.

1,583,381. FILM PACK. JAMES G. ZIMMERMAN, Chicago, Ill. Filed Dec. 13, 1918. Serial No. 266,537. 13 Claims. (Cl. 206—46.)

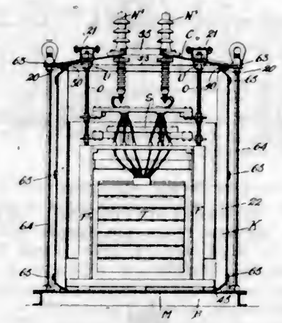
1. The hereindescribed method of building a plurality of sheets into a unitary structure, which consists in arranging the sheets in suitable superposed contacting relation, then removing the air from between the sheets, and then sealing the sheets whereby the several sheets are held pressed together by atmospheric pressure in separable non-adhesive relationship.

1,583,382. TONE AMPLIFIER. GEORGE BAUER, St. Louis, Mo. Filed Mar. 23, 1925. Serial No. 17,669. 1 Claim. (Cl. 84—383.)



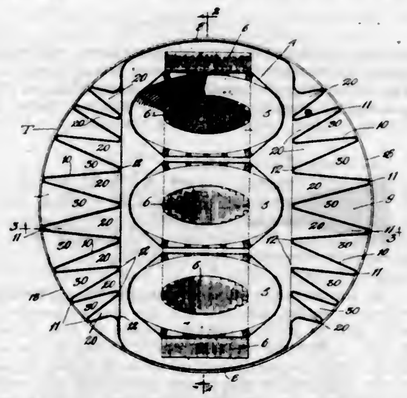
In combination with a mouth piece having a reed, a tone amplifier secured in said mouth piece, the plane of the amplifier being disposed at an angle of 45° with the plane of the reed of the tone amplifier.

1,583,383. OIL-COOLED TRANSFORMER. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Original application filed June 2, 1920. Serial No. 386,115. Divided and this application filed Oct. 11, 1921. Serial No. 507,121. 13 Claims. (Cl. 175—361.)



1. In a transformer construction, the combination with a tank having a sheet metal body from the bottom to the top of the tank, of a transformer having its frame supported on the sheet metal bottom of said tank, a sheet metal cover for said tank, adjustable holding means between said cover and said frame, and means to clamp said cover upon said tank with said holding means pressing upward on said cover and downward on said frame to hold said frame against the bottom of said tank and to assist in supporting the body of the tank.

1,583,384. TRANSFORMER TANK. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Jan. 9, 1922. Serial No. 527,865. 10 Claims. (Cl. 175—361.)



1. The combination with a transformer having substantially straight sides, of a tank comprising a wall having corrugations therein, said corrugations gradually increasing in depth as the central portion of said sides is approached from the ends of said sides.

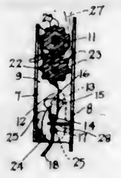
1,583,385. AUTOMOBILE DOOR HANDLE. GEORGE E. BISHOP, Cleveland, Ohio. Filed Dec. 14 1923. Serial No. 680,608. 7 Claims. (Cl. 292—173.)

1. A vehicle door handle comprising in combination with a door having a standard spring-latch and inside latch-retracting handle: of a rotatable member supported by the door and extending transversely thereof; an

outside handle secured to said member; and an operating arm secured to said member adjacent said inside handle, the latter extending both above and below the connec-

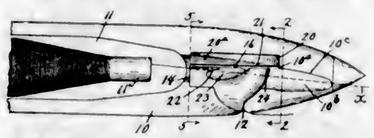
tion of said member and arm so as to be actuated upon the movement of the outside handle or the operating arm in either direction.

1,583,386. GARMENT-SUPPORTING CLAMP OR CLASP. MATHEW BLACK and SAMUEL OLKIN, Brooklyn, N. Y. Filed Mar. 14, 1925. Serial No. 15,461. 2 Claims. (Cl. 24—251.)



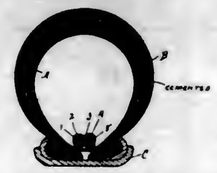
1. A garment clasp comprising members pivoted together and adapted to be opened and closed, a fluted roller in each of said members, the rollers being adapted, when the members are closed, to hold material therebetween, a locking bar in one of said members, hook portions on the other member into which the locking bar is adapted to fit to lock the members together, one side of said hook portions serving as a cam to operate said locking bar, and a finger latch for disengaging the locking bar from said hook portions.

1,583,387. AUTOMATICALLY-THREADING SHUTTLE. HENRY L. BONNEY, North Andover, Mass., assignor to The David Brown Company, Lawrence, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1925. Serial No. 10,406. 9 Claims. (Cl. 139—223.)



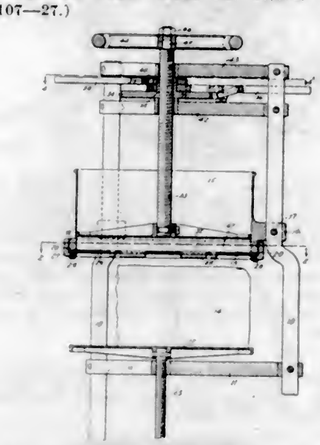
1. An automatically threading shuttle having a bobbin chamber, a slotted, side delivery eye and a threader recess in the tip portion thereof opening to said chamber and eye, a threader in said recess having a centrally aligned thread passage therethru opening to said chamber and the front end of said recess and having a threading slot opening to the top side thereof and to said passage and extending in approximately parallelism with the passage, said threader having faces declining to said slot at each side thereof, providing a vertically unobstructed top entrance thereto, whereby the thread may be laid therein throughout its length without deflection as it is drawn from said chamber towards the shuttle tip, a thread retaining hook formed with the threader and depending at the tip end of said slot and at the side thereof next the shuttle eye, and the tip portion of the shuttle having a thread groove leading from the front end of said recess, the opposite side of said groove from said eye extending obliquely from the corresponding side of said groove, in effectual continuation thereof, towards the eye side of the shuttle, so that the slot side of said hook is at one side of a straight line extending from the rear end of the slot to the tip end of the oblique side of said groove.

1,583,388. PNEUMATIC TIRE. JOHN T. CLARK, Provo, Utah. Filed Nov. 12, 1923. Serial No. 674,104. 2 Claims. (Cl. 152—13.)



2. A pneumatic tire comprising an inner liner which is cemented to a casing, and which liner has its edges formed into adjacent loops with sides of said loops contiguous; an annular washer in each of said loops; and means to draw said washers toward each other and thereby seal the contiguous sides of said loops one to the other.

1,583,389. CAKE-DECORATING MACHINE. SHERMAN L. CLEVELAND and ROY I. CLEVELAND, Kelso, Wash. Filed Sept. 21, 1925. Serial No. 57,652. 1 Claim. (Cl. 107—27.)

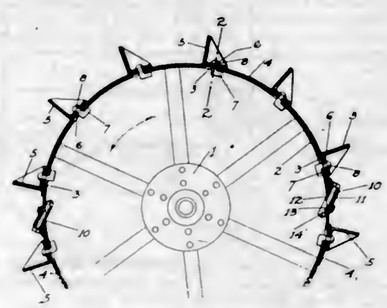


In a cake decorating machine, the combination of an upright stand; a cake tray adjustably mounted on said stand; an icing container over said tray; a perforated stationary bottom for said container; a similarly perforated but rotatable plate over said bottom adapted to have its holes brought into or out of register with the holes in said stationary bottom; a plunger within said container; a screw for driving said plunger; a ratchet wheel nut on said screw, supports for said screw and nut; a ratchet operating lever for said nut; an adjustable stop for said lever; a hand wheel on said screw; and means for moving said rotatable plate in a manner to sever icing which has passed through the perforations in said bottom from the icing in said container.

1,583,390. DEMOUNTABLE GROUTER ATTACHMENT FOR TRACTORS. JOHN M. CONLEY, Stockton, Calif., assignor of one-fourth to Lafayette J. Smallpage, Stockton, Calif. Filed Mar. 18, 1925. Serial No. 16,330. 8 Claims. (Cl. 301—40.)

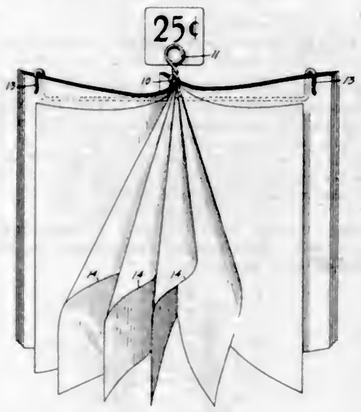
2. A grouter attachment for vehicle wheels comprising a band to abut against and follow the curvature of the

rim of the wheel, grouters projecting outwardly from the band, and secured thereto, the rim having circumferential slots, members fixed on the band to project through the



slots, and means whereby if the band is then rotated in one direction on the rim said band will be held against outward movement relative to the rim.

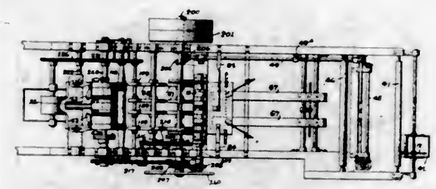
1,583,391. MAGAZINE-DISPLAY DEVICE. FRANK A. COOK, Madison, N. J., assignor to The Butterick Publishing Company, New York, N. Y., a Corporation of New York. Filed Aug. 25, 1923. Serial No. 659,336. 1 Claim. (Cl. 40—11.)



A display device for magazines, comprising a single length of spring wire bent at its center to form a center clip to grasp the back edge of the magazine and bent above said center clip to form a helix having two turns between which a card may be held, the wire on each side of the center clip extending laterally therefrom and bent at its ends to inverted U-form to constitute terminal clips for grasping the leaves of the magazine in separated gronps.

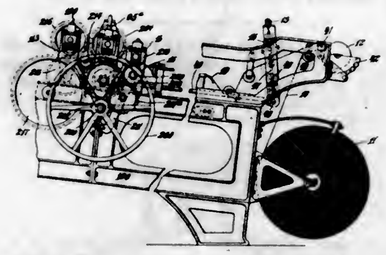
1,583,392. APPARATUS FOR MAKING PAPER BAGS. ALFRED C. COTY, Toledo, Ohio, assignor to The Watertown Bag Machine Co., Inc., Toledo, Ohio, a Corporation of New York. Filed Aug. 20, 1921. Serial No. 493,872. 23 Claims. (Cl. 93—15.)

1. In apparatus for making paper bags, in combination means for folding a continuous sheet to form a tube with a seam on one side, means for cutting said tube into lengths, and opening rolls having a creaser device arranged to crease a part of the length of tube to fold



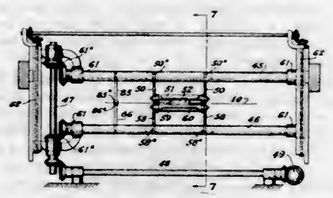
toward the continuous side thereof, said creaser device being shaped to avoid pressure upon the lap seam of the length of tube.

1,583,393. PAPER-BAG MACHINE. ALFRED C. COTY, Toledo, Ohio, assignor to The Watertown Bag Machine Co., Inc., a Corporation of New York. Original application filed Aug. 20, 1921, Serial No. 493,872. Divided and this application filed Jan. 3, 1923. Serial No. 610,464. 14 Claims. (Cl. 164—6...)



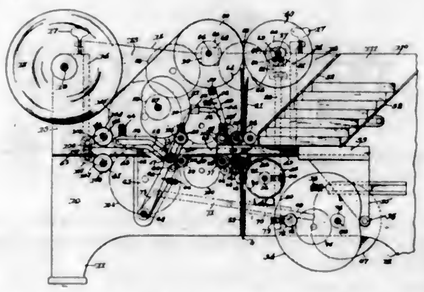
1. In a bag making machine, a cut off mechanism comprising opposed rotatable carriers arranged to rotate with a peripheral speed substantially equal to the speed of the paper, a knife and a cooperating slot-bar carried respectively by said carriers and means for giving said knife and slot-bar simultaneously a movement of translation toward each other to cut the paper.

1,583,394. TONGUE-CUTTING DEVICE FOR PAPER-BAG MACHINES. ALFRED C. COTY, Carthage, N. Y., assignor to The Watertown Bag Machine Company, Inc., a Corporation of New York. Original application filed Aug. 20, 1921, Serial No. 493,872. Divided and this application filed Oct. 14, 1925. Serial No. 62,368. 4 Claims. (Cl. 93—33.)



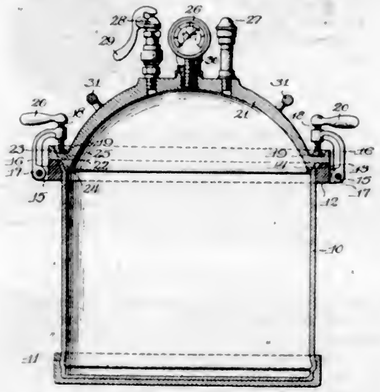
1. In paper tube forming apparatus, a tongue forming mechanism comprising parallel shafts and means for driving them synchronously in opposite directions, a plurality of knives carried by one of the shafts and arranged to be brought selectively into operative position and a slot-bar carried by the other shaft and arranged to register with the knife which is in operating position.

1,583,395. WRAPPING MACHINE. TREVOR DAVIDSON and ELMER W. DAVIS, South Milwaukee, Wis. Filed May 8, 1922. Serial No. 559,139. 12 Claims. (Cl. 93—2.)



10. A wrapping machine having a feedway along which the articles to be wrapped are advanced in one direction only, means for positioning a wrapping sheet across said feedway to cause the sheet to embrace the article by the advance thereof, and means movable across said feedway for pressing one end of said sheet into sealing contact with the body of the sheet during said advance.

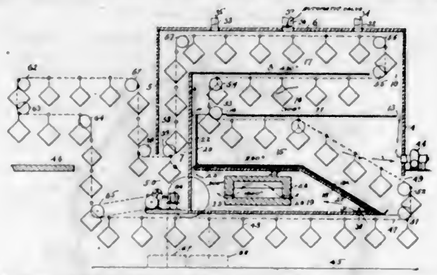
1,583,396. COOKING APPARATUS. ALFRED M. DEMUTH, Chicago, Ill. Original application filed Apr. 15, 1925, Serial No. 23,203. Divided and this application filed Oct. 19, 1925. Serial No. 63,264. 7 Claims. (Cl. 53—1.)



1. A cooking vessel, a cover therefor, an upwardly projecting continuous flange extending about the periphery of the cover, a portion of the outer face of the cover adjacent and within said flange and below the top of the flange being shaped to form a continuous flat surface encompassing the cover, a plurality of clamping members pivotally connected with the receptacle and adapted to project over said flange, a screw threaded through each of the clamping members and having a flat bearing surface at one end to engage over the flat surface within the flange, and handles connected with each of the screws for operating them and for swinging the respective clamping members about their pivots.

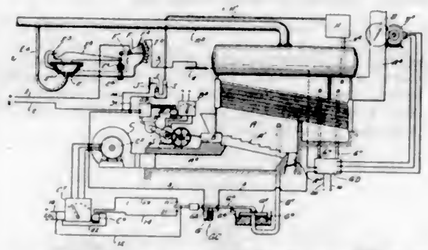
1,583,397. HEATING OVEN. DAVID F. DOMIZI, Cleveland, Ohio. Filed Dec. 7, 1922. Serial No. 605,536. 15 Claims. (Cl. 34—12.)

1. In an apparatus of the character described, an oven having a plurality of superposed compartments, an endless conveyor for conveying articles through the oven, and supports for said conveyor by which the latter is caused to travel back and forth through the compartments of



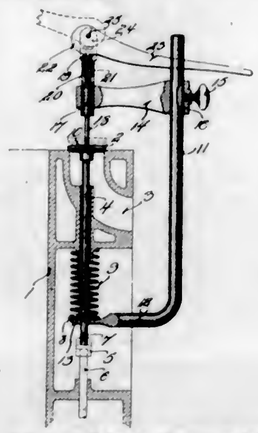
the oven, said conveyor leading into the lowermost compartment at one end of the oven and out from the lower portion of the oven at its opposite end.

1,583,398. COMBUSTION REGULATION. GEORGE H. GIBSON, Montclair, N. J. Filed Aug. 21, 1924. Serial No. 733,289. 8 Claims. (Cl. 236—14.)



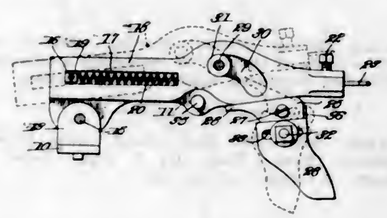
1. In a combustion regulating system for a boiler furnace comprising provisions tending to vary the supply of fuel and air for its combustion in accordance with the boiler load, the improvement which consists in means responsive to the CO_2 content in the products of combustion for varying the ratio of fuel supply to air supply to minimize variations in said content.

1,583,399. VALVE TOOL. JULIUS W. KROENING, Milwaukee, Wis. Filed Nov. 10, 1924. Serial No. 748,909. 2 Claims. (Cl. 29—86.3.)



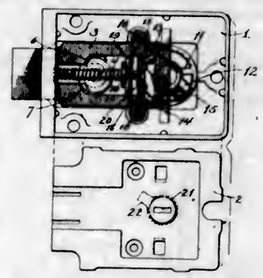
1. A valve tool comprising a shank, a laterally extending part adjacent one end thereof, said part having means for spanning a valve stem, an arm adjustably mounted upon said shank, a sleeve screwed through said arm and adapted for adjustment relative to said arm, said sleeve having an aperture therethrough, a pin slidably mounted within said aperture and having a pointed lower end adapted to engage said valve and having an enlarged upper end, a spring carried within said sleeve and bearing against said enlarged end, and a lever pivoted to said sleeve and having a cam face engaging the enlarged end of said pin.

1,583,400. SELVAGE LOOP RETAINER. CHARLES LAVALLEE, Newmarket, N. H. Filed Oct. 23, 1925. Serial No. 64,376. 3 Claims. (Cl. 139—195.)



1. A holder device of the class described comprising a selvage-engaging holder, and means engageable by the lay of the loom to displace said holder comprising a lever, a nose adjustably secured to said lever, a rib on the nose engaging the lever, and a stop on the lever engaged by the upper end of the nose.

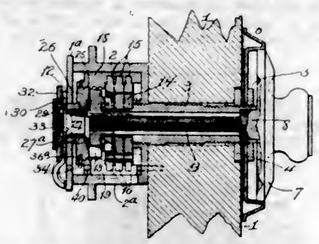
1,583,401. LATCH. CHARLES LEDIN and KARL A. BRÄUNING, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Mar. 13, 1925. Serial No. 15,324. 3 Claims. (Cl. 292—169.)



1. The combination with a latch bolt, a roll-back arm provided near one end with a pin, and means for operating said roll-back arm, of a retaining spring to hold said roll-back arm and pin in axial alignment with the latch bolt, and means for limiting the movement of said roll-back arm to the position where its pin is in dead-locking relation to the latch bolt.

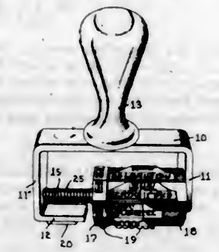
1,583,402. COMBINATION DIAL LOCK. ROLLIN C. LEWIS, Stamford, Conn., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Filed Dec. 3, 1925. Serial No. 73,006. 11 Claims. (Cl. 70—53.)

1. In a combination lock, the combination with a casing, a dial spindle, inner tumbler members operable by rotation of the dial spindle, and outer tumbler members normally having intermeshing connection with said inner tumbler members, of a cage movable longitudinally in the casing and provided with mountings for the outer tumbler members and a cage-moving member supported by the casing and having threaded connection with the cage to effect longitudinal movement of said cage to disconnect



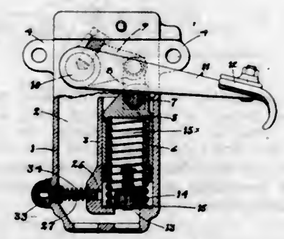
the outer from the inner tumbler members when said member is turned, said member being accessible outside the casing for manual operation.

1,583,403. ADDRESSING HAND STAMP. PETER O. LIEN, Worthington, Minn. Filed July 14, 1924. Serial No. 725,907. 2 Claims. (Cl. 101—109.)



1. In a stamp of the class described, a frame having spaced legs, a shaft supported by said legs and extending between them, type wheels slidable and rotatable on said shaft, one end wheel and the adjacent leg being provided with slidably interlocking positioning means, the adjacent end of adjacent wheels being also provided with slidably interlocking positioning elements, and a single coiled compression spring on said shaft and bearing at one end on the side of the remaining end wheel and at its other end against the remaining leg, said last mentioned leg having its free end bent inwardly to form a stop for the wheels when they are moved to non-locking position.

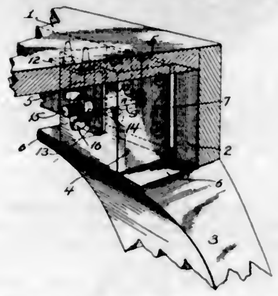
1,583,404. SHOCK ABSORBER. RALPH M. LOVEJOY, Meredith, N. H. Filed Oct. 9, 1922. Serial No. 593,164. 8 Claims. (Cl. 267—8.)



1. In a shock absorber comprising a liquid containing reservoir, a cylinder having a port communicating with said reservoir and a piston reciprocable in said cylinder, a valve stem chamber having a restricted communication with said reservoir, a spring actuated relief valve in said port provided with a stem reciprocably mounted in said

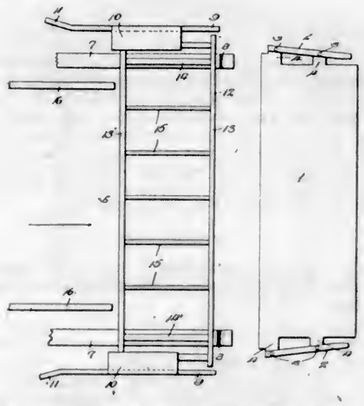
valve stem chamber and having a relatively small aperture to permit liquid to flow gradually therethrough while seated in response to slight or slow movements of said piston, but yieldable in response to sudden or extended movements of said piston to permit a flow of liquid through said port in correlation to the movement of said piston.

1,583,405. FASTENING MEANS FOR TABLE LEGS. VALENTINE C. LUPPERT, Williamsport, Pa. Filed Feb. 9, 1923. Serial No. 618,069. 3 Claims. (Cl. 45—48.)



1. In furniture leg fastening means, the combination with a top, and a rail, of a plate adapted to be secured to the rail, a separate spring arm adapted to be secured to and to depend from the top, and means for clamping a leg member between said plate and said spring arm.

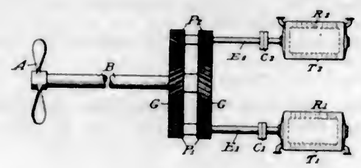
1,583,406. MOLD PLATE AND REPLACER. WILLIAM H. MCCLELLAND, Huntingdon, Pa., assignor, by mesne assignments, to Roy P. M. Davis, Mount Union, Pa. Filed Dec. 15, 1924. Serial No. 755,933. 5 Claims. (Cl. 25—2.)



1. In combination a table having skid rails adapted to support thereon a skeleton brick mold, a mold plate arranged adjacent the table, means for sliding said mold on said skid rails to said mold plate and means on said plate for centering said mold with respect to said plate and preventing movement of said mold in a horizontal plane relative to said plate.

1,583,407. POWER-TRANSMITTING DEVICE. JOHN H. MACALPINE, Pittsburgh, Pa. Filed Aug. 5, 1921. Serial No. 490,020. 4 Claims. (Cl. 74—7.)

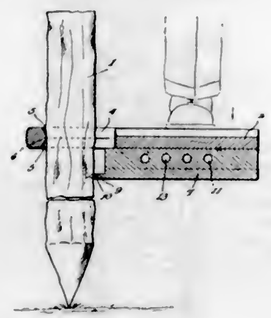
1. A power transmission device, comprising a driven gear, and a plurality of similar driving units comprising turbines having rotors possessing substantially equal moments of inertia, shafts driven by the turbines and pinions driven by the shafts and meshing with the gear, the shafts of the similar driving units having substantially different torsional elasticities, whereby synchronous torsional vibration of the similar driving units is minimized or avoided, substantially as described.



1,583,408. HEAD FOR RAG DOLLS. RUTH MACKAY, Belmont, Mass. Filed May 6, 1925. Serial No. 28,485. 5 Claims. (Cl. 46—40.)

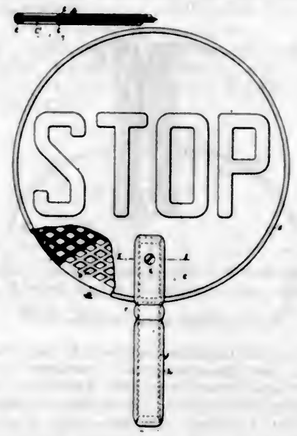
1. A head for a rag doll which includes a foundation pad, independent pads all secured in place on the foundation pad and arranged to simulate the several features secured to said foundation pad, and a covering of elastic material.

1,583,409. DEVICE FOR USE IN SETTING POLES. ERNST MARQUART, Newark, Ohio. Filed Oct. 13, 1925. Serial No. 62,316. 3 Claims. (Cl. 61—77.)



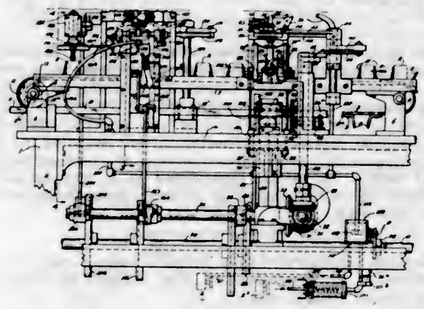
1. A tool for the purpose set forth comprising a body constructed at one end with a hook adapted to partly encircle a pole or the like, a clamping member slidably mounted on the under side of the anchoring member and provided with an arcuate lip to engage the pole in opposition to the anchoring hook, and means for securing the clamping member in a set position upon the anchoring member.

1,583,410. SIGN PLATE AND METHOD OF MAKING THE SAME. CHARLES I. E. MASTIN, Midland Park, N. J. Filed July 5, 1923. Serial No. 649,436. 8 Claims. (Cl. 40—135.)



1. A sign-plate consisting of a stiff reticulated plate forming a core and coating bodies of tough plastic material preformed as sheets covering the two faces of the plate and having their adjoining surface portions adhesive and adhering to each other through the holes of the plate.

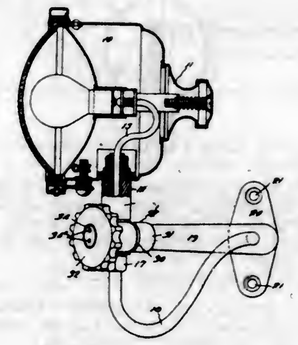
1,583,411. LABELING MACHINE. PETER MEYER, Newark, N. J. Filed Sept. 18, 1924. Serial No. 738,366. 13 Claims. (Cl. 216—55.)



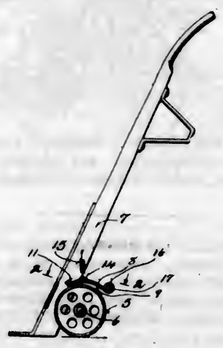
1. A labeling machine comprising means to supply labels, means to supply containers, an exhaust head to receive labels and apply them to the containers, means to create exhaust within the head, means to move the head from label receiving to label delivering position, a gripper carried by the head and provided with means to engage labels to retain them on the head and release the labels, and means to actuate the gripper to engage the label after it has been attached to the head by the exhaust and to release the label before it is applied to the container.

1,583,412. SPOTLIGHT MOUNTING. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 7, 1923. Serial No. 637,141. 2 Claims. (Cl. 240—61.)

1. The combination of a bracket arm having a tapering outer end, of a split clamping member having a tapered bore adapted to fit upon the tapered end of said bracket arm, a nut screwed upon the end of said bracket arm and adapted to contact with said clamping member, and means for limiting the outward movement of said nut and a spot light stem extending through a bore in the clamping member at right angles to the bracket arm, said stem having an annular groove into which the tapered portion of the bracket arm fits, said spot-light stem having an annular shoulder adapted to rest upon the clamping member.

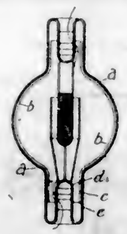


1,583,413. TRUCK BRAKE. WALTER K. MILLER and ANSLEM N. STEINBORG, Appleton, Wis. Filed Jan. 27, 1923. Serial No. 615,406. 1 Claim. (Cl. 188—22.)



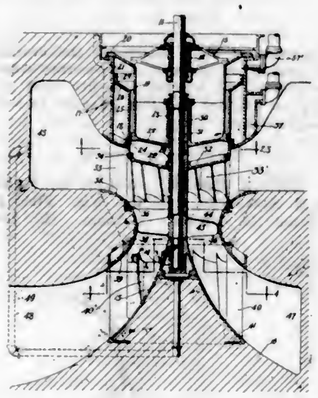
An attachment for wheeled trucks comprising a pair of brake shoes, means for pivotally attaching the same to the frame of a truck so as to overhang the wheels, each of said brake shoes consisting of a curved metal strap having rolled ends and an intermediate portion punched out to form a loop, a tube rigidly secured within the rolled end of one of said straps, a rod rigidly secured within the rolled end of the other of said straps and telescopically fitting said tube and contractile springs secured to said loops and frame to yieldably hold said shoes away from the wheels.

1,583,414. VACUUM-TUBE SHIELD. ERNEST WALTER BRUDENELL GILL, Merton College, Oxford, and ERNEST GREEN, Hendon, London, England. Filed Oct. 31, 1925. Serial No. 65,933. 5 Claims. (Cl. 250—27.)



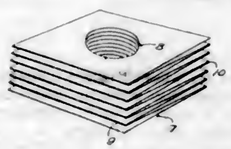
1. A shield for a vacuum tube having a press and electrodes comprising a metallic member adapted to be placed contiguous to the surface of said tube and surrounding said electrodes and press but out of contact with said press.

1,583,415. HYDRAULIC TURBINE. LEWIS FERRY MOODY, Philadelphia, Pa. Filed June 28, 1918. Serial No. 242,391. 98 Claims. (Cl. 253—154.)



1. In a hydraulic turbine, a runner of axial flow type, a radial flow conduit at one end of said runner and coaxial therewith, and a co-axial cylindrical gate across said conduit.

1,583,416. VIBRATION-RESPONSIVE APPARATUS. CHARLES R. MOORE, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1921. Serial No. 505,059. 12 Claims. (Cl. 179—180.)

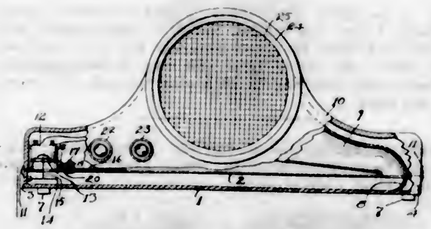


1. In an acoustic device, two members having relative movement, and means between said members comprising a plurality of leaves of the same material for damping the relative movement of said members, all of said leaves being free to move at their outer edges.

1,583,417. PIEZO-ELECTRIC DEVICE AND METHOD OF PRODUCING IT. ALEXANDER M. NICOLSON, New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Feb. 4, 1925. Serial No. 6,862. 14 Claims. (Cl. 179—101.)

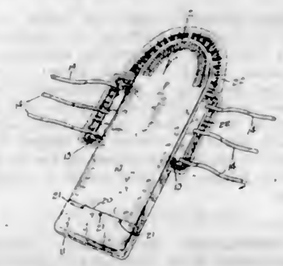
3. A piezo-electric crystal having a plate electrode embedded within and surrounded by said crystal.

1,583,418. SOUND-REPRODUCING HORN. SIMON D. PADDACK, San Francisco, Calif., assignor to Paddack Engineering Corporation, San Francisco, Calif., a Corporation of California. Filed Sept. 1, 1925. Serial No. 53,775. 4 Claims. (Cl. 181—27.)



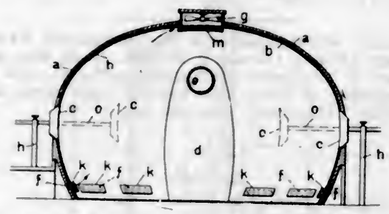
1. In a sound reproducing horn, a pair of sounding boards spaced apart, a pair of spacing members connected to said sounding boards to provide a gradually widening channel forming a primary horn for sounds projected thereinto at the smallest end of such channel, and a horn detachably connected to said sounding board widening in the reverse direction from the primary horn and having its mouth terminating in a substantially vertical plane and extending laterally from the axis of the first horn.

1,583,419. SLEEPING-BAG DEVICE. ROSE PERL, New York, N. Y. Filed Aug. 18, 1925. Serial No. 50,905. 1 Claim. (Cl. 5—348.)



A sleeping bag comprising an elongated casing for a foldable padded element, said casing comprising a tubular element having an opening to removably receive said padded element therethrough, having non-tubular side extensions carried by an intermediate portion thereof, and being provided with binding elements along the edges of said extensions, a pillow-like device filling said casing, the said casing and pillow-like device being foldable intermediate the ends thereof to form mattress and cover portions.

1,583,420. IRRADIATING CHAMBER FOR THERAPEUTICAL USES. HUGO PICARD, Berlin, Germany. Filed July 15, 1922. Serial No. 575,070. 5 Claims. (Cl. 174—177.)

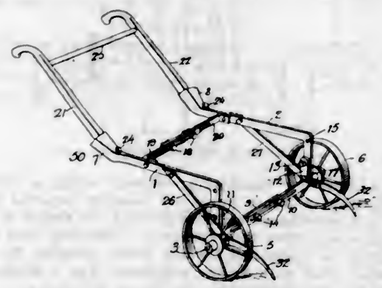


1. Irradiating chamber for therapeutic purposes comprising in combination, a shell having the form of an ellipsoid of rotation cut by a plane representing the floor, means in the two foci of the ellipsoid for emitting therapeutically useful rays, and metallic surfaces of high reflecting capacity on the inner side of said shell.

1,583,421. PRODUCING CALCIUM HYPOCHLORITE COMPOUNDS. GUSTAV PISTOR and HERMANN S. SCHULTZE, Griesheim-on-the-Main, and HEINRICH REITZ, Bitterfeld, Germany, assignors to The Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Nov. 4, 1922. Serial No. 599,152. 2 Claims. (Cl. 238—6.)

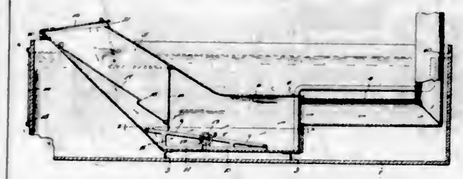
1. Process for regulating the percentage of active chlorine in the production of basic calcium hypochlorite compounds from chlorine, slaked lime and water which process consists in conducting the chlorination of the slaked lime according to the percentage of active chlorine in the mother-liquor in such a manner that the chlorination is stopped at the moments when the percentage of active chlorine in the mother-liquor has attained a minimum whereby a precipitate of a uniform substance is formed.

1,583,422. CULTIVATOR. DE SOTO E. RICHARDSON, Riverside, Wash. Filed Mar. 7, 1924. Serial No. 697,667. 3 Claims. (Cl. 97—59.)



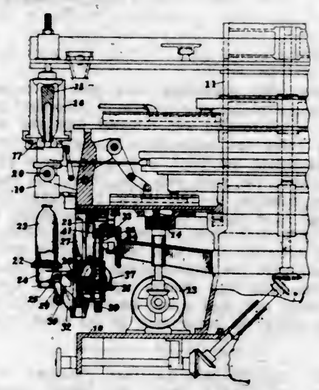
1. A cultivator comprising a frame including side members, carrying wheels by which said frame is supported, and a substantially U-shaped axle pivoted at its ends to the side frame members to be swung down to extend in line with the wheel axis when the implement is used between rows of plants and to be swung up to bridge the plants when the device is used as a straddle-row implement.

1,583,423. TANK HEATER. FRANK RUDOW, Morris, Ill. Filed Apr. 1, 1925. Serial No. 19,950. 3 Claims. (Cl. 126—368.)



1. A tank heater comprising a casing including a fire-box and a magazine leading obliquely upward from an end of the fire-box, a grate resting on the floor of the fire-box with its fuel-supporting surface spaced above the floor and one end extending into the magazine, the fuel-supporting surface being inclined downwardly from the magazine, a damper pivoted at its upper end to the roof of the casing and depending therefrom over the grate, and means for adjusting the damper from the mouth of the magazine.

1,583,424. GLASS-FORMING MACHINE. JOHN F. RULE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 29, 1922. Serial No. 591,238. 14 Claims. (Cl. 49—9.)

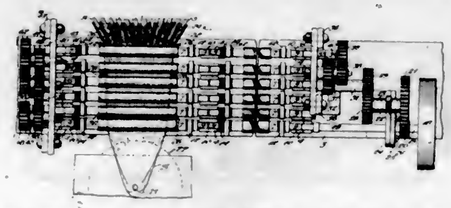


12. In a glass forming machine, the combination of a rotary mold carriage, molds thereon, a mold bottom associated with each mold, heads on which the mold bottoms are mounted, and stationary cam tracks each controlling certain of said heads and operable as each head reaches a predetermined point in its rotation with the mold carriage, to lower said head and tilt the mold bottom, each cam track operable to effect the tilting of the mold bottoms under its control independently of the other cam tracks and at a different rotative position of the molds.

1,583,425. YARN AND THREAD MANUFACTURE. ARTHUR N. SHELDON, Providence, R. I. Filed May 6, 1924. Serial No. 711,412. 10 Claims. (Cl. 19—130.)

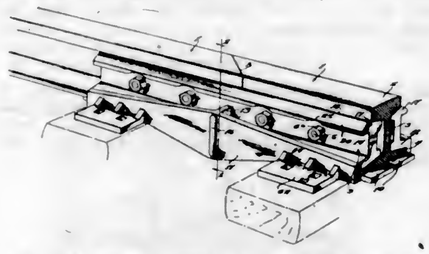
4. An improved method of manufacturing yarn and thread consisting in doubling the card-sliver with eight or more ends up while drawing it between at least five pairs of top and bottom-rolls with the top-rolls of a

majority of the pairs positively driven, the draft of the rolls having a ratio in proportion to the whole number of ends, next drawing the sliver in a slubber



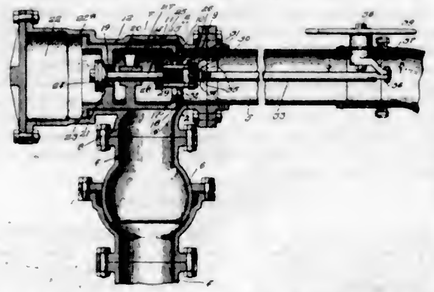
to produce a roving, next doubling and drawing the roving in a roving-frame, and finally spinning the last roving to produce the yarn or thread.

1,583,426. RAIL JOINT. WILLIAM P. SINGELTARY, Asheville, N. C. Filed Jan. 26, 1925. Serial No. 4,847. 2 Claims. (Cl. 238—188.)



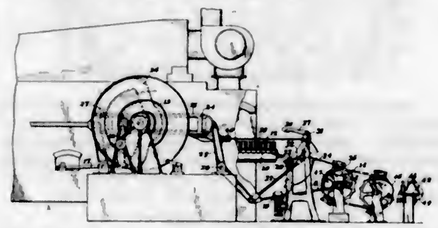
1. A rail joint consisting of a pair of counterpart members each comprising a base to support the base of a rail, a reinforcing web integral with the base and extending along the outer edge thereof and projecting above and below the same, a bearing flange extending inwardly from the said web and above the said base, in spaced relation to the latter to engage over the base flange of a rail disposed upon the base, a cheek member upstanding from the said bearing flange, a web extending upwardly from said bearing flange and having engagement with the reinforcement web and cheek member intermediate the length thereof to brace the reinforcement web, and a rail head supporting shoulder extending along the upper edge of the cheek member.

1,583,427. VALVE MECHANISM. BARTON S. SNOW, Batavia, Ill. Filed Feb. 23, 1922. Serial No. 538,718. 5 Claims. (Cl. 137—139.)



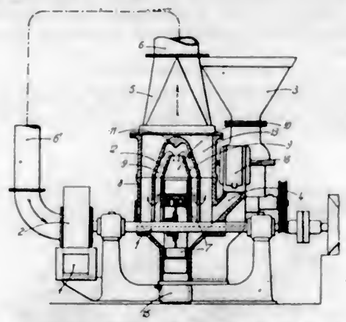
4. Valve mechanism comprising a housing having an inlet port and an outlet port, a piston valve movable in said housing for controlling communication between said ports and closing in the direction of flow of liquid through said housing, the space in said housing at the rear of said valve being in communication with said inlet whereby said valve is subjected to pressure of the liquid tending to close said valve, and an auxiliary valve operable to reduce the pressure of the liquid against said first-named valve, said piston having a projection on its periphery extending into said space in said housing, and the diameter of that portion of said space into which said projection extends when said first-named valve is closed being less than the diameter of said space into which said projection extends when said first-named valve is open.

1,583,428. MECHANISM FOR TRANSFERRING WARE FROM LEERS. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 15, 1922. Serial No. 607,121. 23 Claims. (Cl. 198—27.)



1. The combination of a leer, leer pans therein comprising means to hold articles in upright position on the pans, a transfer device at the discharge end of the leer, and means operable to actuate said transfer device and cause it to transfer the leer pans from the discharge end of the leer to a position external to the leer and discharge the articles from the leer pans.

1,583,429. SINGLE WORKING CHAMBER TURBOPULVERIZER. CHARLES M. STEIN, Paris, France, assignor to Société Anonyme, la Combustion Rationnelle, Paris, France. Filed Jan. 7, 1925. Serial No. 1,081. 3 Claims. (Cl. 83—11.)

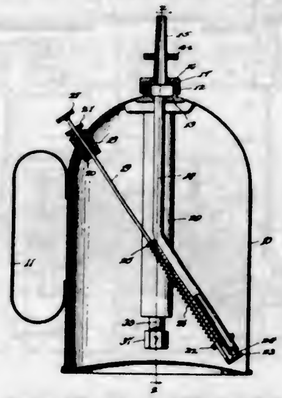


1. A pulverizer comprising a casing having a lateral supply inlet, a rotary pulverizer mounted adjacent said inlet and inducing an air blast through the casing, a discharge nozzle above the pulverizer, a deflecting hood surrounding the nozzle and forming return passages for the material acted upon by the pulverizer, and a discharge outlet for fine material at the top of the casing.

1,583,430. HAND OILER. FRED L. TICE and CARL TICE, Kingfisher, Okla. Filed Nov. 12, 1924. Serial No. 749,507. 2 Claims. (Cl. 221—52.)

1. A hand oiler including a can having a discharge tube extending downwardly therein with its inner lower end portion extending diagonally, a handle carried by said can, a guide carried by the diagonally disposed inner

end portion of said discharge tube, a valve rod extending into said can and disposed parallel to the inner end portion of said discharge tube with its lower end portion slidably engaged with said guide and its upper end portion extending externally of the can adjacent said handle, said valve rod being provided at its lower end with a laterally directed terminal, a valve carried by said ter-

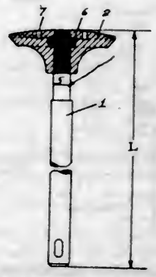


minal for closing the lower end of said tube, a spring yieldably holding said rod against inward movement with said valve normally closing the lower end of said tube, said rod being movable downwardly into the can against the action of said spring by pressure applied to its outer end until the valve clears the lower end of said tube and being rotatable to dispose the valve at one side of the tube, and an air pump carried by said can for compressing air therein.

1,583,431. TWISTER-RING LUBRICATOR. DONIGAN D. TOWERS, Brookline, Mass. Filed May 20, 1924. Serial No. 714,672. 8 Claims. (Cl. 118—59.)

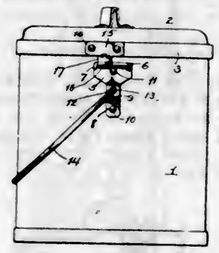
1. In a ring twister, the combination of a pair of rings, a rail in which said rings are mounted, a traveller for each ring, an oil well mounted between said rings, and means for feeding oil from said well to both of said rings.

1,583,432. POPPET VALVE. MERRILL M. WILCOX, Saginaw, Mich.; A. Elwood Snow administrator of said Wilcox, deceased. Filed May 31, 1924. Serial No. 716,978. 3 Claims. (Cl. 29—156.7.)



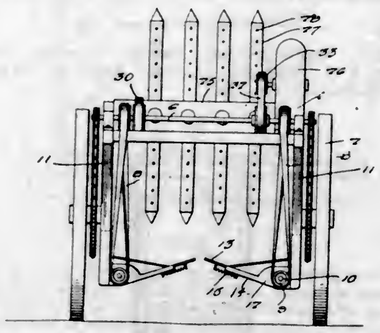
1. A poppet valve having a cast metal head, a wrought metal stem received within and welded to said head, said stem initially shorter than its required length when finished, and formed near its end adjacent said head with a circular groove, the extremity of said stem swaged to thereby reduce its diameter to approximately the diameter of the bottom of said groove while elongating it to said required finished length and thereby also improving its strength, surface density and capability to resist corrosion.

1,583,433. CAN STRUCTURE. JESSE W. WITT, Cincinnati, Ohio, assignor to The Witt Cornice Company, Cincinnati, Ohio. Filed Dec. 18, 1924. Serial No. 756,676. 2 Claims. (Cl. 220—58.)



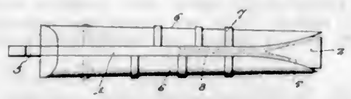
1. The combination with a receptacle, and a cover therefor, of a plate secured at its upper and lower ends to the receptacle and having its intermediate portion constructed to be engaged by and secure a bail, the upper extremity of the plate being provided with a laterally projecting flange and a depending transverse stop lug at one end of the flange, and a plate secured to the cover at the margin thereof and having an arm depending downwardly from its lower edge to extend past the edge of the flange on the first-mentioned plate, the lower end of said arm projecting inwardly to engage under said flange and abut the stop lug.

1,583,434. BOLL-WEEVIL-EXTERMINATING MACHINE. NEWTON LEONIDAS ABERCROMBIE, Drew, Miss., assignor of one-half to Andrew M. Cargile, Summerland, Miss. Filed Apr. 16, 1925. Serial No. 23,588. 1 Claim. (Cl. 43—142.)



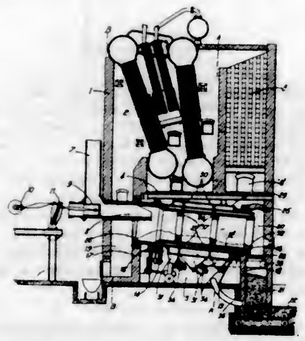
A boll weevil exterminating device including a trough, an auger rotatably mounted to the trough, a block rotatable with the auger at the delivery end thereof, a stationary block in the trough adjacent the first block, both of said blocks being notched, said trough provided with an exhaust opening adjacent the blocks and the bottom of said trough being inclined toward the auger, a plate slidable over and beyond the end of said bottom, and spring means for normally holding said plate extended.

1,583,435. RIB HOOK. JOHN ANDREWS, Nokomis, Ill. Filed May 10, 1924, Serial No. 712,491. Renewed Mar. 19, 1926. 1 Claim. (Cl. 189—92.)



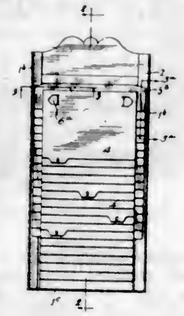
A rib hook comprising a wedge shaped member having a longitudinally disposed slot and provided at its opposite sides with channels, blocks adapted to bear against the sides of the said member and having lugs adapted to move in the channels and slot of the wedge shaped member, and a rivet secured to the blocks and passing transversely through the slot.

1,583,436. FURNACE FOR THE COMBUSTION OF FUEL. JAMES S. ATKINSON, London, Westminster, England, assignor to Société Anonyme des Appareils de Manutention & Fours Stein, Paris, France, a Corporation of France. Filed Nov. 3, 1923. Serial No 672,628. 8 Claims. (Cl. 110—14.)



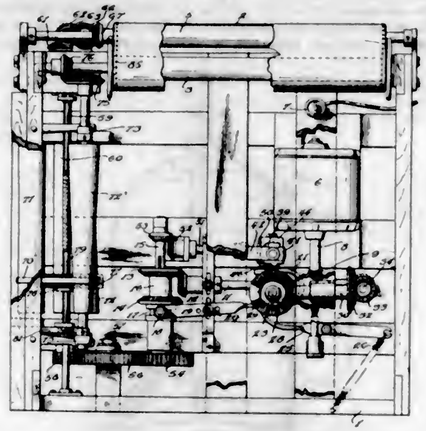
1. In a furnace, a perforated fuel carrier leading thereinto, an air jacket surrounding said carrier, means for supplying air thru said jacket and into said carrier at noncommunicating areas along the length of said carrier.

1,583,437. CARD INDEX. ZEMACH AUERBACH, New York, N. Y. Filed Nov. 17, 1923. Serial No. 675,274. 15 Claims. (Cl. 129—16.)



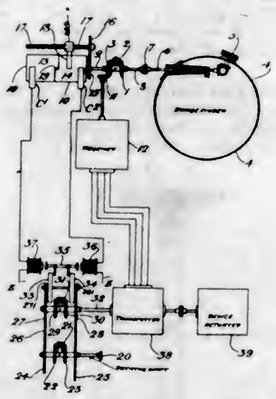
5. A device of the class described comprising a retaining member having end portions to engage a rack, wings pivotally connected with the member on opposite sides thereof, cards, and means to detachably connect said cards with said wings.

1,583,438. SIGN. ROBERT M. BARHAM, Leaksville, N. C. Filed Apr. 30, 1925. Serial No. 27,045. 7 Claims. (Cl. 40—31.)



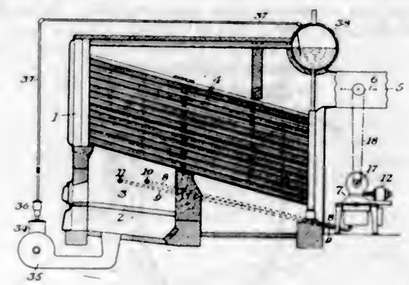
1. In a display apparatus, the combination of a display web, upper and lower drums to which the ends of the web are secured to wind and unwind thereon, means for rotating said drums including reversely arranged tapered rollers each geared to one of the drums, a transmission belt trained about said rollers, a shifting element engaged about the belt, a carrier to which said shifting element is secured, guides engaged by said carrier, means for effecting travel of the carrier along said guides whereby to shift the belt longitudinally of the rollers, means acting directly on the belt for imparting travel thereto whereby to rotate the rollers, and means for reversing the travel of the belt whereby to reverse the rotation of the rollers and drums.

1,583,439. APPARATUS FOR THE CONTROL OF GUN FIRE. ARCHIBALD BARR, Anniesland, and WILLIAM STROUD, Glasgow, Scotland, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Filed Aug. 16, 1921. Serial No. 492,871. 3 Claims. (Cl. 171—239.)



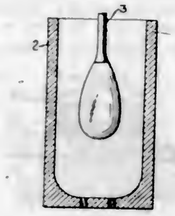
1. Apparatus comprising a rangefinder, a working head of the rangefinder, differential gear, an electrical commutating device, a transmitter, a receiver to be actuated by the transmitter, the electrical commutating device being operatively connected by the differential gear with the working head of the rangefinder and the receiver, motor mechanism for driving the transmitter, an electrical driving connection from the transmitter to the receiver for actuating the receiver, and means controlled electrically by the commutating device for bringing the motor mechanism into operation, for the purposes set forth.

1,583,440. FURNACE CONTROL. MERRILL G. BENJAMIN, Lakewood, Ohio. Filed Mar. 31, 1924. Serial No. 703,325. 10 Claims. (Cl. 236—15.)



1. The combination with a furnace, of means for regulating the furnace draft comprising an electric motor, a controlling switch therefor, a liquid chamber, a gasometer float in the chamber for operating the switch and having a connection with the furnace, and means operated by the motor for temporarily changing the liquid level to prevent overtravel of the motor, substantially as described.

1,583,441. ART GLASS AND METHOD OF MAKING THE SAME. WILLIAM BLENKO, Milton, W. Va. Filed Feb. 26, 1924. Serial No. 695,201. 10 Claims. (Cl. 49—83.)

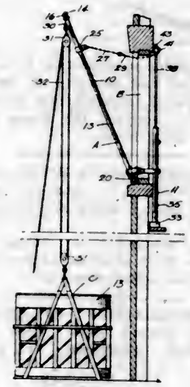


2. The method of making art glass which includes blowing glass in a mold to form a glass vessel, withdrawing the vessel from the mold, and, without further blowing of the vessel, flattening a portion thereof into a generally plane sheet.

8. As a new article of manufacture, a sheet of art glass blown in a mold and flattened into a generally plane sheet without being blown after its removal from the mold.

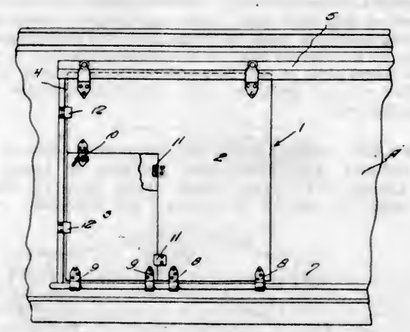
1,583,442. HOIST. JOSEPH BROADHEAD, Edmonton, Alberta, Canada, assignor of one-half to Albert Broadhead, Edmonton, Canada. Filed Aug. 18, 1924. Serial No. 732,716. 4 Claims. (Cl. 254—142.)

1. In a device of the character described and in combination, a hoisting frame comprising a hollow base bar having an offset intermediate of its length, hollow side bars, elbows pivotally connecting the side bars with the base bar, a hollow top bar, elbows rigidly connecting the



top bar with the side bars, chains suitably mounted on the side bars, an anchoring member and flexible binding means for the anchoring member and the hoisting frame.

1,583,443. CAR DOOR. ARTHUR L. CASEY, Vicksburg, Miss. Filed Apr. 4, 1925. Serial No. 20,693. 2 Claims. (Cl. 20—21.)



1. A vertically sliding car door comprising main and auxiliary sections, the main section being cut away in its lower portion to accommodate the auxiliary section, means for securing said sections together, whereby the same are adapted for simultaneous sliding movement, a track extending across the top of the door opening of the car, rollers carried by the upper portion of the main section cooperating with said track, a bar extending across the bottom of the door opening, and eye members secured to the lower edges of the sections adapted for slidable movement on said rod, the eye member of the auxiliary section cooperating with the rod to permit the downward swinging movement of the auxiliary section, when the same is detached from the main section whereby a skid is provided.

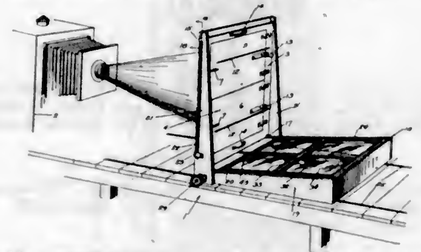
1,583,444. SPLICING TOOL. DANIEL EDGAR COE, Holbrook, Mass. Filed Jan. 16, 1925. Serial No. 2,944. 4 Claims. (Cl. 223—38.)

1. A tool or implement consisting in a tubular needle pointed at one end and provided at the opposite end with a recess extended longitudinally thereof, with a resilient spring-latch overlying the recess to adapt it to grip the material held therein.

1,583,445. SEMIDRY ELECTROLYTE FOR STORAGE BATTERIES. NEWELL L. COLLINS, Iowa City, Iowa. Filed Aug. 17, 1922. Serial No. 582,556. 5 Claims. (Cl. 136—157.)

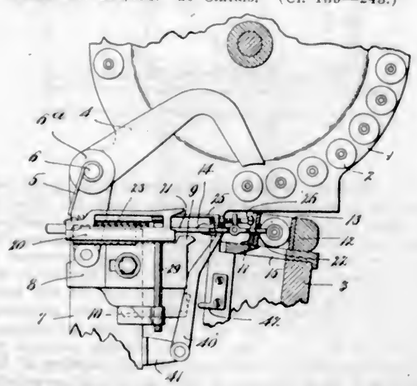
1. A semi-solid electrolyte for storage batteries composed of a substantially alkali-metal free silicic acid carrier and an absorbed active chemical.

1,583,446. PHOTOGRAPHIC ENLARGING EASEL. GUY C. CROSS, Denver, Colo. Filed June 13, 1921. Serial No. 477,102. 12 Claims. (Cl. 88—24.)



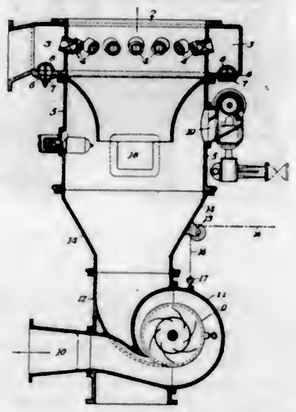
12. A photographic copy holder comprising a bracket having L-shaped side bars, a frame slidable freely on the arms of said bars, said frame and the bars having coacting means to hold the frame either in vertical position on the vertical arms or in horizontal position on the horizontal arms of said bars and readily detachable from either of such positions, said frame having means for holding copy.

1,583,447. WEFT-REPLENISHING LOOM. EDWARD A. CUNNIFF, Fall River, Mass., assignor to James K. Lanning, Fall River, Mass. Filed Nov. 17, 1920. Serial No. 424,656. 10 Claims. (Cl. 139—243.)



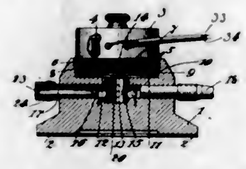
1. In an automatic loom, the combination of filling transfer mechanism, feeler mechanism located adjacent thereto on the loom frame to act directly upon the transfer mechanism to control its action according to the quantity of yarn remaining on the shuttle-contained bobbin, a feeler-retracting arm means carried by the lay in position to engage the feeler retracting arm so as to cause the feeler to be retracted more rapidly than the lay advances after the feeler contacts with the yarn in order to relieve the yarn of the pressure of the feeler during the remainder of the forward movement of the lay, substantially as described.

1,583,448. CONDENSER. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Oct. 28, 1918, Serial No. 259,946. Divided and this application filed June 16, 1925. Serial No. 37,456. 3 Claims. (Cl. 261—118.)



1. A jet condenser having an inlet chamber, a surrounding water box provided with a plurality of nozzles arranged to discharge into the inlet chamber, said box having a bottom wall provided with a plurality of hand holes giving access to the water box and its nozzles, and a removable hand hole plate normally closing each of said holes, substantially as described.

1,583,449. TELEPHONE-RECEIVER APPARATUS. JOSEPH FLEISCHMAN, New York, N. Y. Filed June 24, 1922. Serial No. 570,745. 7 Claims. (Cl. 179—146.)

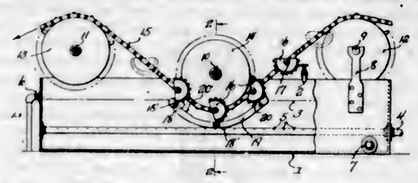


4. In a distributing telephone receiver, in combination, a base block having a cylindrical chamber therein of dimensions to resonate to a pitch beyond the range of audibility, radial outlet ducts in said block communicating with said chamber, and a telephone receiver threaded into said block and having a diaphragm across said chamber.

1,583,450. SANITARY BUCKET WASHER. CARL C. FREDERICK and WALLACE W. EVANS, Fall River, Wis. Filed July 13, 1925. Serial No. 43,307. 2 Claims. (Cl. 198—145.)

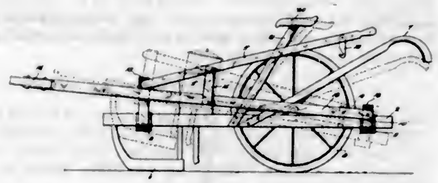
1. In a machine of the class described, the combination of a tank for a washing liquid, a conveyor consisting of spaced chains, guiding means for passing said conveyor into and out of said tank, a plurality of buckets pivotally suspended between said chains,

teeth carried by said buckets adjacent one end thereof, a curved member positioned within said tank and having rack teeth at one end adapted to engage teeth on said buckets, and having a cam member at its other end



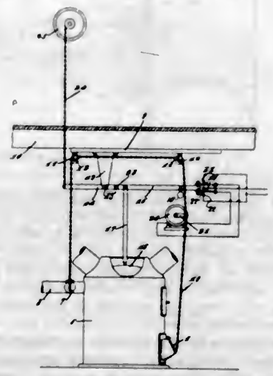
adapted to tilt said buckets when they are leaving said member, whereby said buckets are washed inside and out during their passage through the tank, and whereby said buckets are drained of all liquid by the tilting action of the said cam member.

1,583,451. GANG FRAME FOR AGRICULTURAL IMPLEMENTS. WILLIAM D. FREDERICK, Farmington, Me. Filed Nov. 28, 1923. Serial No. 677,449. 2 Claims. (Cl. 97—240.)



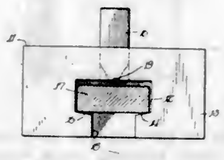
1. A gang frame for agricultural implements, comprising a rear beam and a front beam, means for detachably connecting a series of independent implements to said beams, a forwardly extending draft bar pivotally mounted on the rear beam, a bracket mounted on the front beam, and an operating lever freely engaging said bracket for raising and lowering the front beam and the front ends of the several implements carried thereby, the connection between the bracket and operating lever permitting the front beam to raise independently of the position of the operating lever.

1,583,452. FURNACE REGULATOR. FRANK M. GARMAN, Alma Center, Wis. Filed Feb. 14, 1922. Serial No. 536,460. 1 Claim. (Cl. 236—16.)



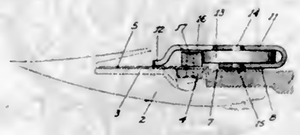
A draft regulating device for a furnace having a damper and a hinged ash pit door, including a supporting bar, a bracket depending from the supporting bar, an arm having pivotal connection with the bracket at a point adjacent to one end of the arm, a bar carrying a switch element at its free end, pivotally connected to the arm at a point adjacent to the bracket, a rod connected with the bar at a point adjacent to its connection with the arm, said rod having its free end resting on the furnace wall, a motor having an arm, a flexible member connecting the motor arm, damper and ash pit door, contact members in circuit with the motor to cause the motor to move in opposite directions, to move the motor arm and damper and ash pit door, and said bar adapted to move to bring the switch element carried thereby into engagement with the contact members to control the movements of the motor.

1,583,453. APPARATUS FOR BREAKING STEEL TESTS. AMZA C. GERMAIN, Duluth, Minn. Filed Apr. 12, 1924. Serial No. 706,027. 3 Claims. (Cl. 29—66.)



1. Apparatus for breaking steel tests comprising a die member, a lateral recess formed therein adapted to receive a test block, spaced shoulders upon the lower side of the recess adapted to act as a bearing to support the ends of the test block and an opening through the upper face of the die adapted to guide a drift against a test block in the recess.

1,583,454. ANTIFRICTION CLIP FOR MOWERS. ALFRED D. GOODWIN, Ripon, Calif. Filed June 14, 1924. Serial No. 720,001. 4 Claims. (Cl. 56—304.)

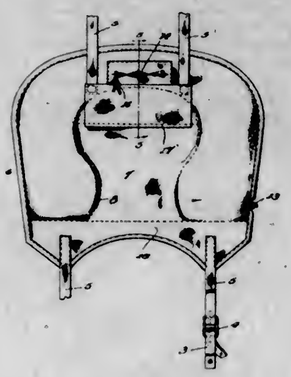


1. A unitary attachment for mowing machines having a finger bar, a cutter bar, and a bearing member mounted on the cutter bar; including a clip adapted to be secured to the finger bar, and a bearing member contained within the clip and projecting beyond one end thereof to frictionally engage the bearing member on the cutter bar.

1,583,455. BACK REST FOR VEHICLE SEATS. JAMES ALEXANDER GRIFFIN, Memphis, Tenn. Filed Jan. 22, 1925. Serial No. 4,120. 1 Claim. (Cl. 155—179.)

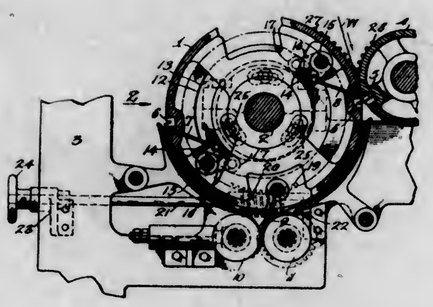
A back rest for vehicle seats comprising a base member consisting of two plies of fabric secured together along their edges and stitched together near their top and side edges whereby to form a marginal pocket, an inflatable tube fitted in and filling said pocket, an opening being provided in the back of the pocket at the top thereof to facilitate the insertion of the tube, a flap secured in the pocket and adapted to extend over said opening, means for closing the opening, a reinforcing member secured to the back of the base member below the top

portion of the pocket and overlying the adjacent portion of the pocket, the lower end of the base member extending beyond the ends of the pocket, fastening



straps secured to the extended lower end of the base member, and other fastening straps secured to the base member at the upper corners of the reinforcing member.

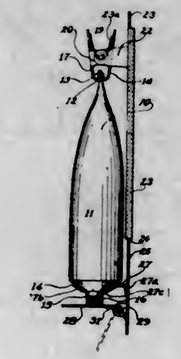
1,583,456. PIN-CAM-ADJUSTING MECHANISM. JOHN J. HALLIWELL, Tucknhoe, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed June 3, 1924. Serial No. 717,496. 8 Claims. (Cl. 270—76.)



1. In a folder, the combination of a rotary carrier provided with sheet taking devices, a cam for operating the devices to take and release a sheet, and means manually operable while the machine is running for shifting the cam to adjust the time of operation of the sheet taking devices to take a sheet at the same point thereof but at different times.

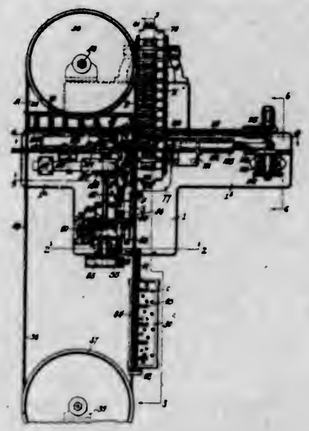
1,583,457. HOLDER FOR COLLAPSIBLE DISPENSING TUBES. HERMAN J. HAMMERLY, Wallingford, Conn. Filed Apr. 1, 1924. Serial No. 703,416. 1 Claim. (Cl. 248—20.)

In a holder for collapsible tubes containing paste to be dispensed, a base adapted to lie against a wall or other support, said base being composed of two telescoping parts which can be relatively adjusted to vary the length of the holder, a clamping member secured to the upper part of said base for supporting the closed end of the tube, a shelf secured to the lower part of said base for



supporting the neck of said tube, and a spring-pressed plate hinged to the lower part of said base for normally closing the open end of said tube.

1,583,458. NAIL-KNOB-ASSEMBLING MACHINE. TIMOTHY HENRY HANLEY, Cincinnati, Ohio, assignor to The Federal Porcelain Company, Carey, Ohio, a Corporation of Ohio. Filed Dec. 12, 1921. Serial No. 521,772. 60 Claims. (Cl. 10—158.)



41. In a machine of the class described, means for successively guiding pairs of knob members to assembling position and having a lateral discharge way leading from the assembling point thereof and provided with an inclined portion, an endless belt movable along a side of the discharge way and having washer carrying pockets and registering nail receiving notches in the upper edge thereof, and mechanism operable to move the belt to successively feed washers carried thereby to assembling position, to successively feed nails to assembling position and to thread each nail when in such position through a registering washer and a pair of knob members disposed in assembling position, and then to eject an assembled knob unit from the knob member guiding means through the discharge way thereof and up the incline to raise a washer and nail of the unit from belt engaging position.

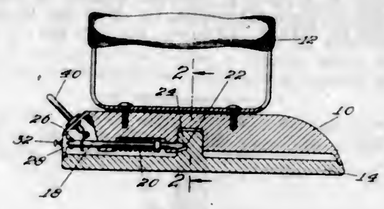
47. In a machine of the class described, a pair of levers having a common fulcrum and provided with jaws for burring nails fed therebetween, the jaws normally standing in open position, a cam slide operable when moved in one direction to act on the levers to impart a positive closing movement to the jaws, and means operable to periodically impart jaw closing movements to the slide.

58. In a machine of the class described, means for guiding the movements of successive pairs of nail knob members to assembling position, mechanism operable to periodically feed successive washers and successive nails to assembling position, means operable to thread a nail when in assembling position through a washer and knob members disposed in assembling position, said mechanism operating to eject an assembly knob unit from assembling position, means automatically operable after the nail threading operation and before the ejecting of the assembled unit to act on the nail to have upsetting action on the nail to prevent its withdrawal from he knob members, and means operable to yieldingly grip and center a nail with respect to the upsetting means before the upsetting operation.

1,583,459. PIN FORM FOR CROWNS AND THE LIKE. THOMAS C. HANSEN, Caney, Kans. Filed Apr. 28, 1925. Serial No. 26,479. 4 Claims. (Cl. 22—158.)

1. A pattern to be used in casting dental work, including a hollow pin of combustible material.

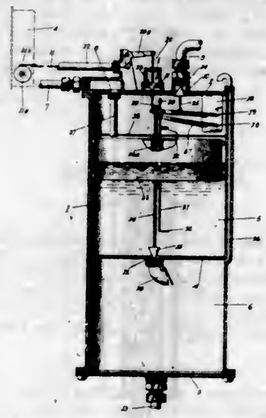
1,583,460. ELECTRIC IRON WITH REMOVABLE HEATING ELEMENT. NILS HANSSON, Chicago, Ill. Filed May 4, 1925. Serial No. 27,947. 4 Claims. (Cl. 219—25.)



3. In an electric iron, the combination of a removable heating element, locking means for maintaining said removable heating element in operating position, said locking means including a spring impelled pin, and operating means comprising a closure member hingedly attached to one end of the pin, the one end of said pin being wedge shaped and mounted to co-operate with a corresponding wedge shaped notch in the base of the iron.

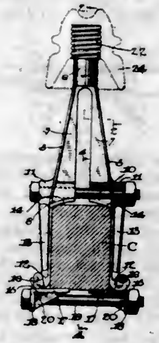
1,583,461. COMBINED VACUUM TANK AND LIQUID METER. LOUIS B. HARVEY, Sacramento, Calif. Filed Feb. 12, 1924. Serial No. 692,284. 6 Claims. (Cl. 103—236.)

1. A vacuum tank including a chamber, fuel inlet and suction pipes leading thereto, the intake pipe terminating in the chamber at a plane lower than the suction pipe and a solid plate across the chamber above the termination of the intake and below the termination of the suction



pipe and through which the inlet pipe passes with a close fit, said plate being orficed at a point removed from the intake and suction pipes.

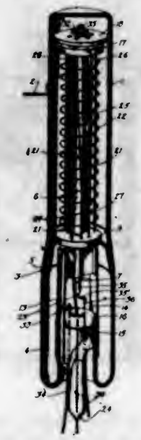
1,583,462. SUPPORTING PIN FOR INSULATORS. LEM E. HENDEE, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 8, 1922. Serial No. 542,117. 6 Claims. (Cl. 173—321.)



5. In an insulator pin, the combination of a pair of spaced pin-supporting arms provided with cross-arm engaging portions, hooks on said arms, clamping members having yoke portions engageable with said hooks, and a bolt for moving said clamping members into engagement with the cross arm.

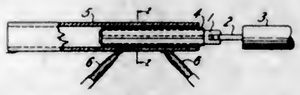
6. In an insulator pin, the combination of a pin member having an insulator-receiving head portion and arms integral therewith but movable relative to each other and forming an open-ended fork adapted to straddle a cross-arm, adjustable clamping means connecting the free ends of said arms for drawing them together into clamping engagement with the cross-arm, and a second adjustable clamping means connecting said arms intermediate portions and spaced from said first-named means for disposition adjacent the opposite side at said cross-arm.

1,583,463. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 13, 1920. Serial No. 396,014. 24 Claims. (Cl. 250—27.)



7. In an electron discharge device, a metallic member, an electrode surrounding said member and supported thereby, a second electrode surrounding said first electrode, and means carried by said metallic member to engage said second electrode to determine the space relation between said electrodes.

1,583,464. METHOD OF FORMING GLASSWARE. WILLIAM G. HOUSKEEPER, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 13, 1924. Serial No. 737,453. 5 Claims. (Cl. 49—84.)



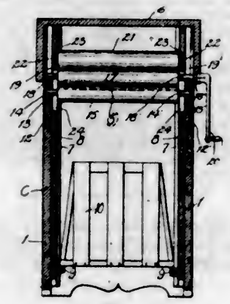
1. The method of forming glassware which comprises forming a core, applying a thin layer of foil to said core, pressing melted glass on said foil, removing the core, and thereafter removing the foil.

4. The method of forming glassware having exact interior dimensions which comprises forming a core of approximately the dimensions of the passage desired, applying thin metallic foil to the surface of said core, oxidizing the metal foil, surrounding said core and foil with a glass vessel of slightly larger interior dimensions, fusing said glass by heat, pressing the fused glass in contact with said foil, slowly cooling said glass vessel, removing said core, and thereafter dissolving said metal foil in acid.

1,583,465. LICENSE-PLATE HOLDER. EDWARD E. HUDDLESTON, Beckley, W. Va. Filed June 29, 1925. Serial No. 40,317. 3 Claims. (Cl. 40—133.)

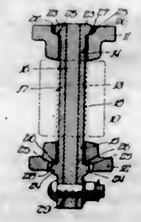
1. A license plate holder comprising a body portion, bracket members secured to the rear surface of the body portion and having portions thereof disposed in spaced relation with the body portion, lamp sockets having threaded portions extending through the brackets, nuts operating on the threaded portions and engaging opposite sides of the bracket members to hold the lamp sockets in position, a license plate removably supported by the body portion, and lamps within the body portion for illuminating the body portion.

1,583,466. COLD MANGLE. STEFAN JANKOVITZ, St. Louis, Mo. Filed June 8, 1925. Serial No. 35,678. 1 Claim. (Cl. 68—13.)



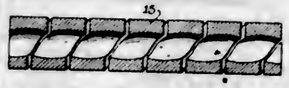
A mangle comprising a cabinet having a front and side walls, a platform disposed between said side walls, bearing plates fixed in said side walls a roller mounted for rotation in said bearing plates and through an opening in said platform, a second roller mounted for rotation above the first roller and vertically movable in slots in the bearing plates, a pair of guides on each of said side walls, a slide freely movable between each of said pairs of guides, a third roller mounted for rotation in said slides above the second roller, a weight holder positioned at the lower ends of said slides, and means for rotating the intermediate roller.

1,583,467. DRAFT MECHANISM. ROBERT E. L. JANNEY, Chicago, Ill.; Gardner L. Boothe, executor of said Robert E. L. Janney, deceased, assignor to Nannie Hamilton Janney, Alexandria, Va. Filed Apr. 17, 1922. Serial No. 553,836. 2 Claims. (Cl. 213—69.)



1. In draft mechanism, the combination of a coupler having a shank, a yoke, said yoke and shank having registering openings, and fabricated means comprising three coopernting vertically arranged members mounted in said openings side by side transversely of the yoke connecting said coupler shank and yoke, two of said members and yoke having cooperating inclined surfaces whereby the yoke arms may be moved toward each other during the assembling operation if said arms are spaced apart beyond a predetermined amount.

1,583,468. METHOD OF MAKING ROLLERS FOR ROLLER BEARINGS. ALLAN H. JONES, Belleville, N. J., assignor to Roller Bearing Company of America, Newark, N. J., a Corporation of New Jersey. Filed Mar. 26, 1925. Serial No. 18,346. 5 Claims. (Cl. 153—64.)

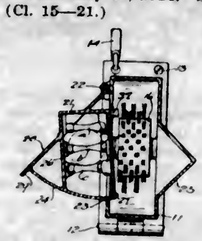


1. In the art of making bearing rollers by coiling a metal strip to helical form, the improvement comprising giving the strip an initial outwardly convex and inwardly concave form, and thereafter progressively bending the side portions of the coil outwardly and simultaneously contracting the outer portion of metal transversely, whereby the metal is thinned at the middle.

1,583,469. STAIN REMOVER. JOSEPH JOSSELSON, Beaver Dam, Wis. Filed Apr. 6, 1925. Serial No. 21,248. 1 Claim. (Cl. 87—5.)

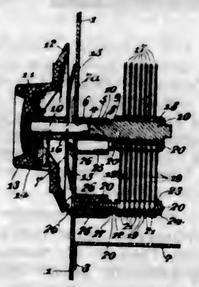
A liquid stain remover formed by mixing the following ingredients in substantially the following proportions:—3 ozs. of aqua-ammonia, 1 qt. of soft water, 2 teaspoons of saltpetre, 3 ozs. soap, 1 oz. of sulphrous acid, 1 dram of oxalic acid.

1,583,470. GOLF-BALL CLEANER. WESLEY G. KAPP, Toledo, Ohio, assignor of one-tenth to John F. Rule, Toledo, Ohio. Filed May 19, 1924. Serial No. 714,207. 10 Claims. (Cl. 15—21.)



1. A machine for cleaning golf balls or other articles comprising a casing provided with an opening in one side thereof, an article holder mounted on the casing and movable into and out of the casing through said opening, said holder being arranged to substantially fill said opening in all positions of the holder, a cleaning device within the casing, and means for actuating said cleaning device.

1,583,471. PANEL CONDENSER. ARTHUR ATWATER KENT, Ardmore, Pa. Filed May 12, 1925. Serial No. 29,658. 8 Claims. (Cl. 250—41.)

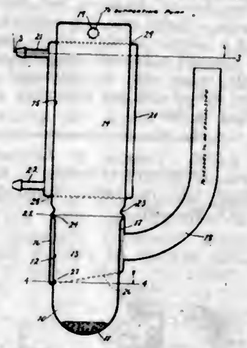


1. The combination with a panel, of rotor and stator elements of a condenser, a support for said rotor element on said panel, said stator element comprising a rod, plate structure carried by said rod in co-operative relation with the plate structure of the rotor element, and means securing said rod to said panel independently of said rotor support, whereby said panel is included in a condenser unit with said rotor and stator elements.

1,583,472. SELF-PIERCING STUD AND POST FOR SNAP FASTENERS. GEORGE A. KING, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 3, 1926. Serial No. 85,702. 3 Claims. (Cl 24—95.)

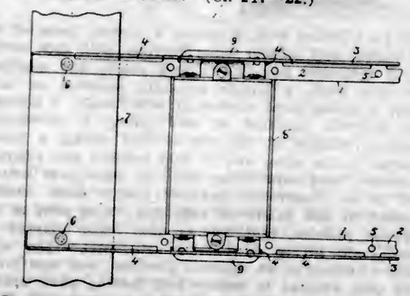
1. A male member of a stud and socket fastener or a snapfastener, comprising a stud having a knurled neck and a post having its leading end outwardly flared and sharpened and adapted in cooperation with the knurled neck of the stud to cut through the material on which it and the stud are set and thereafter be clinched within the stud.

1,583,473. APPARATUS FOR OBTAINING HIGH VACUA. PAUL E. KLOPSTEG and LESTER B. MANN, Chicago, Ill., assignors to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1923. Serial No. 635,390. 6 Claims. (Cl. 230—13.)



1. In a high vacuum pump of the vapor type, a boiler, a collecting chamber above the boiler and provided with cooling means, a conduit between the boiler and collecting chamber and an inwardly extending projection above the upper end of the conduit and lying in the path of liquid descending from the collecting chamber.

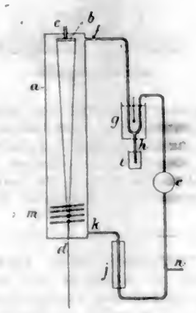
1,583,474. SWITCH-BOX SUPPORT. EDWARD H. KRUSE, Fort Wayne, Ind. Filed Oct. 12, 1923. Serial No. 668,095. 1 Claim. (Cl. 247—22.)



In an appliance of the class described, a metallic angle bar having a single series of elongated spaced slots and a series of nail holes in each of its flanges,

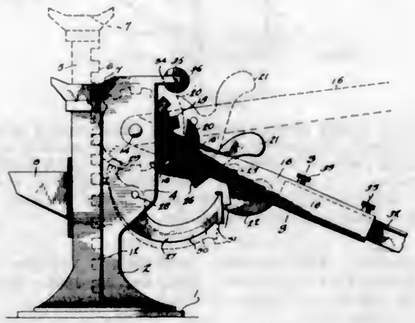
each of said slots extending through the bar at the juncture of its flanges and portions of each of said flanges adjacent thereto.

1,583,475. PROCESS OF MANUFACTURE OF ARTIFICIAL SILK AND OF ARTIFICIAL THREADS OR FILAMENTS. JOSEPH EDOUARD GUSTAVE LAHOUSSE, Ternay, France, assignor to Societe pour la Fabrication de la Sole "Rhodiaseta," Paris, France. Filed Sept. 26, 1924. Serial No. 739,972. 4 Claims. (Cl. 18—54.)



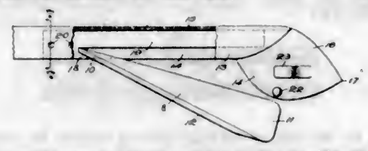
1. A method of controlling the section of artificial silk and other threads, filaments and fibres obtained by dry spinning in a closed cell of a solution of a cellulose derivative in a volatile solvent, which consists in introducing into the cell a gaseous evaporating medium previously richly laden with a determined proportion of vapors of the solvent, but not saturated, at the temperature prevailing in the cell.

1,583,476. JACK. NORMAN W. LITTLEJOHN, Neosho, Mo., assignor of one-half to Samuel A. Kenoyer, Miami, Okla. Filed Jan. 14, 1925. Serial No. 2,428. 11 Claims. (Cl. 254—951.)



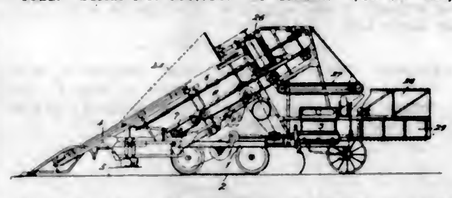
10. In a lifting jack, a casing, a plunger mounted in said casing, said plunger being provided with rack teeth, a gear rotatably mounted in said casing and meshing with said teeth, a handle pivotally mounted on said casing, a lifting pawl carried by said handle, a holding pawl pivotally mounted on said casing, a rearwardly extending member at the top of said casing, a roller mounted at the outer end of said member and adapted to contact with said lifting pawl to move said lifting pawl to an inoperative position, and a latch loosely mounted on said handle to hold said lifting pawl in inoperative position, said holding pawl being adapted to release said lifting pawl from said latch when said handle is moved in an opposite direction, and said latch being then adapted to engage said holding pawl whereby said plunger will be lowered with a step by step movement.

1,583,477. PILE-WIRE KNIFE. DEAN E. LOCHMAN, Belmont, Mass., assignor to Blue Tip Pile Wire & Knife Company, Bedford, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1925. Serial No. 50,965. 5 Claims. Cl. 139—44.)



1. A pile wire knife comprising, in combination, a blade, a blade holder presenting a groove in which said blade is received, and a filler also received in said groove between the inner edge of said blade and the bottom of said groove.

1,583,478. TOPPING DEVICE FOR CANE HARVESTERS AND THE LIKE. GEORGE D. LUCE, Hammond, La., assignor to Luce Cane Harvester Corporation, New York, N. Y., a Corporation of Delaware. Original application filed May 12, 1919, Serial No. 296,539. Divided and this application filed June 8, 1922. Serial No. 566,730. 10 Claims. (Cl. 56—59.)



7. In a machine of the character described, rearwardly and upwardly inclined conveyor chains for conveying the cane through the machine in a standing position, a frame above said chains, and means for adjustably supporting said frame for movement towards and from said chains, a topping cutter carried by said frame and mounted to rotate about an axis substantially perpendicular to the plane of the chains, and a topping fender carried by said frame and arranged substantially perpendicular to the plane of the chains and extending transversely above the line of travel of the conveying runs of the chains.

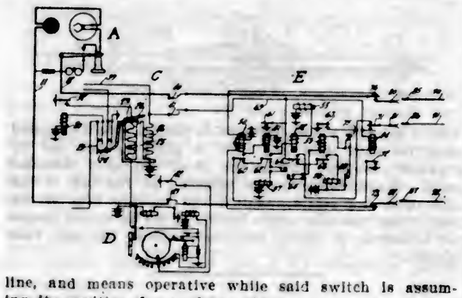
1,583,479. ELECTRIC-WIRE CONNECTER. WILLIAM P. MARR, Toronto, Ontario, Canada. Filed Mar. 3, 1923. Serial No. 622,554. 1 Claim. (Cl. 173—268.)

An electric wire connecter, comprising, a tubular metal member capable of receiving a multiplicity of wire ends, a metal screw entering said member transversely and extending completely across the diameter of the bore thereof and adapted to clamp the wire ends securely together and against the wall of said tubular member, and a separable closed tubular insulating member fitted over the metal tube and completely enclosing the perimeter of said tube and said screw.

1,583,480. AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,663. 19 Claims. (Cl. 179—18.)

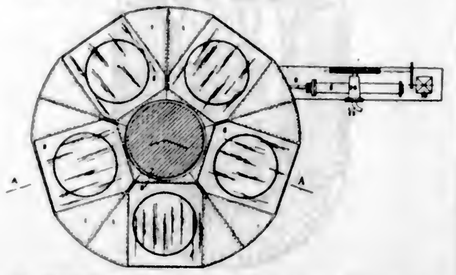
1. In a telephone system, a trunk line terminating in a self aligning line switch, trunk lines accessible to said line switch, means for seizing said first trunk line and

operating said line switch to seize one of said second trunk lines, means for causing said line switch, when released, to assume a position before another idle trunk



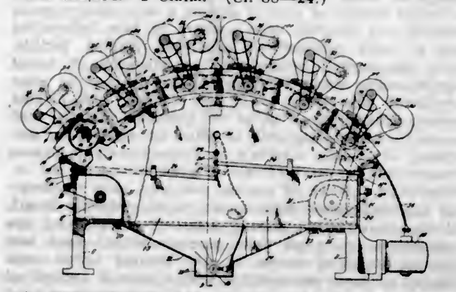
line, and means operative while said switch is assuming its position for applying the busy potential to said first trunk line.

1,583,481. MACHINE FOR DYEING HIDES. JULES ROMAIN MARTINET, Grenoble, France, assignor to Société V. Perrin & Cie., Grenoble, Isere, France. Filed Nov. 27, 1923. Serial No. 677,261. 1 Claim. (Cl. 149—8.)



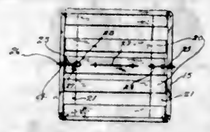
A machine for dyeing hides by hand comprising a horizontal table composed of a number of sectors each adapted to support a hide to be dyed, a crown fixed to the table and having concentrically arranged notches therein, a ring cooperating with the said crown, pawls mounted on this ring to engage the notches in said crown, a toothed segment on the said ring, a reciprocating rack for engaging and operating the said segment, and fluid pressure means including a distributing valve for operating the rack to impart a step-by-step movement to the table.

1,583,482. PRINTER. GEORGE A. MITCHELL, Los Angeles, Calif., assignor to Mitchell Camera Corporation, a Corporation of California. Filed July 23, 1923. Serial No. 653,134. 1 Claim. (Cl. 88—24.)



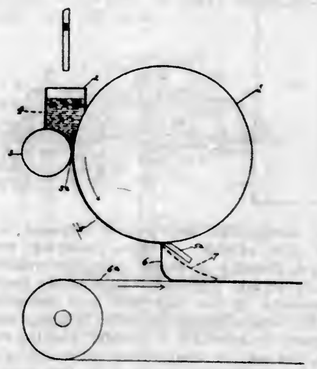
A printer for simultaneously printing a plurality of positives from a single negative film, embodying a casing enclosing a single illuminating chamber, a light in the casing, the wall of the casing opposite the light being approximately arcuate and concentric about the light as a center, said wall having a plurality of spaced illuminating openings, each opening directly facing the light, means to feed a single negative across the several openings, means to feed positives in printing relation to the negative outside the negative at each of said openings, said feeding means embodying an individual mechanism at each illuminating opening, and a frame for each of said mechanism, said frames being key-stone shaped and abutting and secured to each other to form a composite frame work around the outside of the arcuate wall of the illuminating chamber.

1,583,483. CRATE. HENRY M. MORRILL, Tekonsha, Mich. Filed Aug. 9, 1924. Serial No. 731,052. 1 Claim. (Cl. 217—56.)



A crate comprising a plurality of collapsible side walls; a cover adapted for loose mounting within said side walls; a keeper projecting outwardly from one side of said cover and adapted to project beyond the outer side of said side walls when said cover is in operative position; an eyelet on one of said side walls for engaging said keeper; a slidable keeper mounted on said cover at the opposite side from said first mentioned keeper; an eyelet mounted on one of said side walls for engaging said keeper; and means for preventing the undue removal of said slidable keeper from said eyelet.

1,583,484. PROCESS OF FORMING FLAKES OF HEATED PLASTICS AND GELATINOUS MATERIALS. HARLEY J. MORRISON, Cincinnati, JAMES E. EGAN, Wyoming, and SUMNER M. MANLEY, Glendale, Ohio. Filed May 9, 1925. Serial No. 29,267. 6 Claims. (Cl. 18—57.)

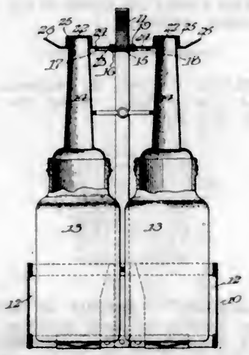


1. The process of forming flakes of semi-solid gels which harden upon cooling comprising the disposing of such gels at an aperture between a hot rotating roll and a cold rotating roll, solidifying a film introduced at such an aperture on the cold roll during a portion of the cycle of revolution of the cold roll, and stripping the solidified film from the roll.

6. The process of forming flakes comprising the introduction of a hot gel through a longitudinal opening between a cooled rotating cylindrical element, and a hot

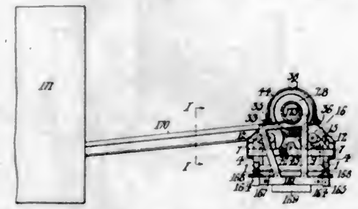
rotating cylindrical element, cooling the cooled element so as to cause the gels to adhere thereto in a film and stripping the cooled film from the cooled element in the form of ribbons and mechanically attenuating the ribbons to reduce their thickness.

1,583,485. CAP OR CLOSURE. WILLIAM NEIL, Chicago, Ill., assignor to Wm. Neil & Co., Chicago, Ill. Filed June 16, 1924. Serial No. 720,176. 12 Claims. (Cl. 224—48.)



12. In a device of the character described the combination of a container in which a receptacle is adapted to be arranged by an endwise movement of the receptacle relative to the container, a capping device located in the path of movement of the opposite end of the receptacle when said receptacle assumes an upright position and said capping device having means for automatically actuating the capping device upon engagement of the receptacle and said means to cause said last mentioned end of the receptacle to be capped.

1,583,486. PIPE-CONVEYING MECHANISM. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Nov. 17, 1925. Serial No. 69,633. 6 Claims. (Cl. 214—1.)

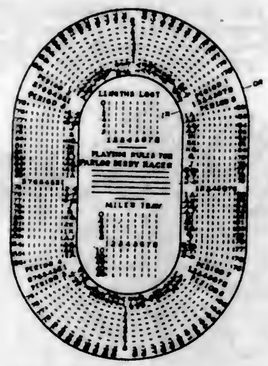


1. The combination with means arranged to shift a bell end pipe axially; of pipe conveying mechanism, including a plurality of struts extending transversely to the axis of said pipe and independently pivoted upon axes transverse to the pipe axis and respectively provided with counterbalance weights; whereby said struts are arranged to gravitate to upright position to support the pipe, but may be temporarily tilted out of the path of the pipe during its traverse to the axial position in which it is to be received upon said struts; each of said struts having a shallow depression adapted to receive and prevent accidental displacement of the pipe; and stop means limiting the tilting movement of said struts to upright position; the upper ends of said struts being respectively extended beyond vertical planes intersecting their centers of gravity and toward said stop means; whereby the weight of said pipe holds said struts against said stop means.

1,583,487. VAGINAL SYRINGE. FITZ EDWARD PARKLER, Chicago Heights, Ill. Filed Feb. 21, 1924. Serial No. 694,397. 1 Claim. (Cl. 128—241.)

In a syringe, a hollow injection tube, a shield mounted upon the said tube, and held in place at one end by a raised shoulder, and at the front end by a threaded nipple, the threaded nipple attached to the end of the said tube, and resting against the concave face of the said shield, the said nipple having at its outer end means for attaching a rubber tube and holding the said tube thereon.

1,583,488. RACING GAME. LOUIS PAUER, Cleveland, Ohio. Filed April 8, 1925. Serial No. 21,536. 2 Claims. (Cl. 273—134.)

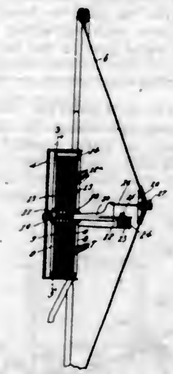


1. For a game simulating racing contests upon a board or base in combination with movable figures representing starters, the contestants in the order of their standing in a race periodically advancing the same for a predetermined total of lengths depending upon the distance of a race, each move representing an advance comparable with the distance between fractional mile posts of a race course and within fixed and optional limits of travel equaling one or more lengths of the starters represented by the movable figures, the starters in the outer positions being permitted to travel relatively faster while subjected to the loss of one or more lengths in going wide around the turns, said starters being further subjected to the loss of one or more lengths when exceeding maximum and traveling below minimum speed limits and when crossing more than a limited number of rails in gaining a more advantageous position:—A diagram upon a board or base delineating one or more consecutively numbered playing periods, each representing a predetermined distance of travel corresponding with the distance between one or more fractional mile posts of a race course, said playing periods comprising a series of numbered parallel and concentric lines designated as rails, the same being subdivided at regular intervals by consecutively numbered transverse lines or perforations constituting at the intersections a series of playing positions, each representing a predetermined distance comparable with the length of the starters, the playing positions occupied by the contestants indicating their progress within fixed and optional limits of travel in each playing period, said playing positions representing only a limited number of lengths in such playing periods of a predetermined total for economizing space upon the racing-board.

1,583,489. SPIRIT LEVEL. ARTHUR L. PERRINE, Cleveland Heights, Ohio. Filed June 7, 1924. Serial No. 718,648. 4 Claims. (Cl. 240—6.4.)

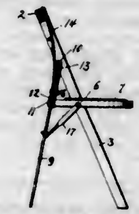
1. In combination with a metal level frame substantially I shaped in cross section, a tubular member carried by the web of the I, a spirit level tube positioned thereacross said tubular member having an opening in the side wall thereof, a cover plate forming with the flanges of the web a compartment surrounding the tubular member, said plate having an opening fitting over the tubular member whereby the tubular member is opened to sight at either side of the frame, a light bulb mounted in the compartment adjacent the opening in the tubular member, and means for supplying power to the bulb.

1,583,490. LOUD SPEAKER. CHARLES W. PETERSON, Ann Arbor, Mich. Filed Dec. 10, 1924. Serial No. 755,055. 8 Claims. (Cl. 179—108.)



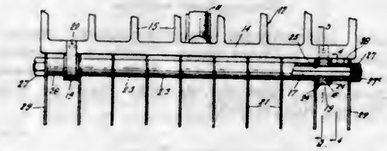
1. In an electric sound reproducing apparatus the combination of magnet elements, opposite poles thereof placed to form an air gap between, an armature within the air gap, coils surrounding the armature, a lever connected to the center of the armature, a resilient member providing the sole fulcrum of the lever, and means to bend the resilient member for adjustment of the armature position.

1,583,491. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed Sept. 30, 1924. Serial No. 740,758. 3 Claims. (Cl. 155—142.)



1. In a folding chair, a main frame including a pair of legs spaced apart; a rod horizontally positioned with its ends secured to the corresponding legs; a seat pivotally supported on the rod; a prop member having arms, the upper ends of which are pivoted in the frame at points above said rod; a sliding connection on said arms secured to the rear end of the seat; a stop fixed on each arm operable to limit upward movement of said sliding connections; a vertically disposed guide in connection with the upper part of each of said arms; a fulcrum bar transversely disposed in the upper part of the chair frame; and a bendable back member secured at its upper part in the frame and bearing upon the fulcrum bar, and having sliding connections respectively at its lower end with said guides, said back assuming a flat plane when the chair is folded and a forwardly curved plane when the chair is extended for use.

1,583,492. RAKE. CHRISTOPHER S. REAMY, Los Angeles, Calif. Filed Feb. 23, 1924. Serial No. 694,545. 1 Claim. (Cl. 55—114.)

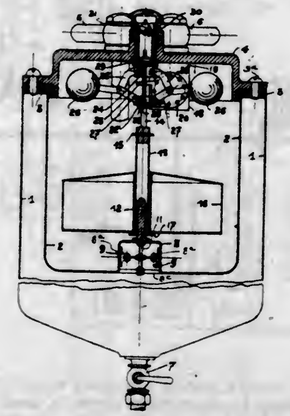


In a brake, a handle, spaced supporting brackets thereon with side friction surfaces, a bar extending through and rotatable in the brackets, a spacer around the bar between the brackets, washers keyed on the bar and bearing against said side friction surfaces, alternating spacers and tines on the bar, the tines being keyed to the bar, the ends of the bar being threaded, and nuts on the bar ends to compress between them the tines, brackets, spacers and washers, compressing the washers against the friction surfaces of the brackets to hold the washers and rod and tines frictionally against rotation.

1,583,493. WATERPROOFING COMPOSITION FOR GLOVES. FRANCIS MARION REED and CHARLES PAULSEN, Minden, Nebr. Filed Mar. 7, 1925. Serial No. 13,848. 1 Claim. (Cl. 134—17.)

A coating composition comprising 95% of ordinary rubber dry patching tire cement dissolved in 5% of a mixture of equal parts of rosin and benzine, and sufficient benzine for thinning the solution to the consistency of ordinary table syrup.

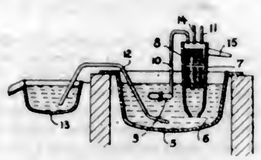
1,583,494. VACUUM TANK. ANDREA PASQUALE SACCO, Genoa, Italy. Filed July 28, 1924. Serial No. 728,747. 4 Claims. (Cl. 103—236.)



1. A vacuum tank including a normally closed chamber having a fuel inlet, a fuel outlet, an air inlet and a connection to apply suction to the interior of the chamber, a float arranged in the chamber, a valve for con-

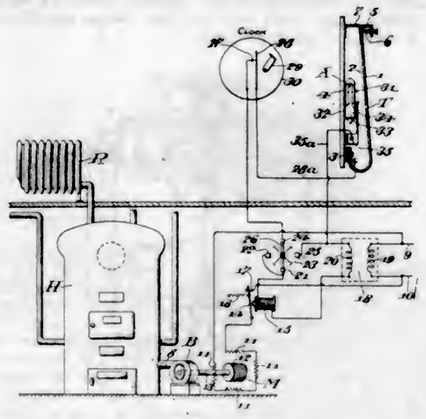
trolling the suction connection, pivotally mounted levers arranged in the chamber, counterweights supported by said levers, a rod on which the float is slidably mounted, links pivotally connecting the rod to said levers and adapted to be moved by the rod to both sides of a line drawn through the points at which the links are pivotally connected to said levers so that the counterweights may move the rod with a jerk immediately after the inner ends of the links pass to one side or the other of said line, means operatively connecting said rod with said valve to permit the rod to open and close the latter, spaced abutments on the rod to limit the movement of the float on the rod, and a valve for controlling the fuel outlet of the chamber.

1,583,495. METHOD OF REFINING LEAD. HENRY M. SCHLEICHER, Monterey, Mexico, assignor to American Metal Company, Ltd., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1925. Serial No. 67,223. 15 Claims. (Cl. 75—15.)



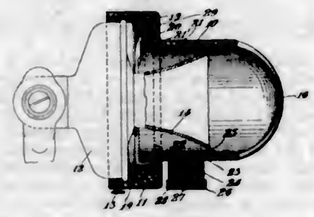
1. The method of refining lead, which comprises maintaining a bath of molten lead, which is substantially free from the substance removed as impurities, in contact with a reagent capable of absorbing the oxidized impurities and in the presence of an oxidizing agent, and adding lead containing impurities to be removed to the bath at substantially the rate of absorption of the oxidized impurities by the reagent.

1,583,496. HEAT-REGULATING SYSTEM. WILLIAM L. SHAFER, Upper Darby, Pa. Filed Feb. 23, 1924. Serial No. 694,664. 20 Claims. (Cl. 236—68.)



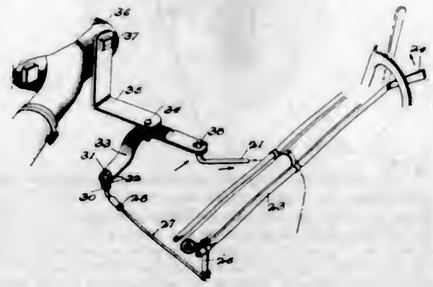
1. In a heating system, a primary source of heat comprising means for producing combustion, means for transferring the heat to a desired region, means controlling the combustion, an electric circuit controlling said combustion-controlling means, a thermostat in said region responsive to the transferred heat controlling said circuit, and a secondary source of heat controlling said thermostat.

1,583,497. TELEPHONE MUFFLER. HARRY A. SILVERMAN, New York, N. Y. Filed Nov. 17, 1923. Serial No. 675,244. 4 Claims. (Cl. 179—188.)



1. A telephone muffler comprising a tubular body member adapted to extend over the mouth piece of a telephone transmitter and adapted at its outer end to receive the mouth of a speaker, and a flange at the inner end of the said tubular body member adapted to fit over and be secured to the telephone transmitter, the said flange being provided with an interior annular recess and a plurality of apertures each extending from the base of said recess to the outer face of the flange.

1,583,498. SPARK-RETARDING MOTOR STARTER. ROGER O. SIMMS and HUGH B. MATTOX, Leesburg, Fla. Filed Mar. 8, 1924. Serial No. 697,969. 2 Claims. (Cl. 74—39.)

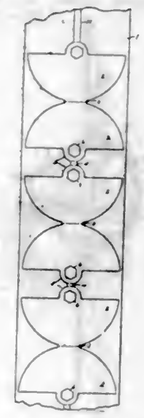


1. Motor controlling means for automobiles including a bracket securely mounted adjacent to the starting switch, a lever disposed in an upright position, having an upper angular end overlying the starter switch and having a fulcrum adjacent to its said upper end within said bracket, a crank adapted for connection at one end with a spark retarding member, a crank arm pivotally connected to said crank, a bell crank with one end of which the opposite end of the crank arm is pivotally connected, a bracket upon which the bell crank is fulcrumed, and a connecting rod pivotally connected at one end to the other end of said crank and having a movable connection at its opposite end with the lower end of the switch actuating lever.

1,583,499. ROTOR SYSTEM FOR CONDENSERS. PRESTON M. SMITH, East Orange, and EDWARD M. SQUAREY, South Orange, N. J., assignors to U. S. Tool Company, Inc., a Corporation of New Jersey. Filed Apr. 28, 1924. Serial No. 709,394. 3 Claims. (Cl. 250—41.)

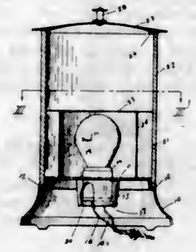
1. A rotor plate system for variable plate condensers comprising a plurality of plate members, arranged in

parallel spaced relation, each plate member being composed of two plates integrally connected upon their arcu-



ate edges and folded thereat back to back in continuous contact, and each connected by an integral tang to the next adjacent plate member.

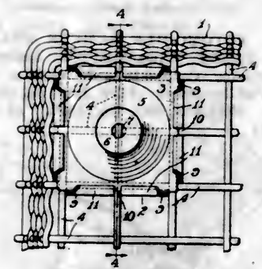
1,583,500. NUT-WARMING DEVICE. WILLIAM F. SMITH, Wichita, Kans. Filed May 8, 1925. Serial No. 28,795. 3 Claims. (Cl. 34—21.)



3. In a nut warming device comprising a base element including a horizontal circular central plate section, centrally depressed as a cup-shaped receptacle; an electric socket and electric wires leading therefrom, anchored within the receptacle; a red electric bulb in the socket; a vertically disposed screen and a circular horizontal screen as a cover therefor, enclosing said bulb; a glass cylinder vertically supported from said base and enclosing said screen and bulb elements, the base of said cylinder being of opaque glass, which under lighted conditions of said bulb gives off a glowing appearance similar in psychological effect to that of a glowing fire; and a vented cover for said glass cylinder.

1,583,501. BASKET FOOT. FRANK M. SNYDER, La Fayette, Ind., assignor to Peerless Wire Goods Company, La Fayette, Ind., a Corporation of Indiana. Filed Apr. 8, 1925. Serial No. 21,479. 1 Claim. (Cl. 16—42.)

A foot member for wire mesh baskets comprising a bottom plate having struck up therefrom a hollow dome-like portion and arranged to be mounted on the under face of the bottom of the basket and a clamping plate for said bottom plate comprising a plate arranged to be mounted on the opposite face of the bottom of the basket and provided with an annular lip arranged to engage over

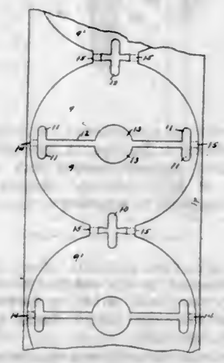


the bottom plate, said lip being cut away at predetermined points to accommodate the wire meshes of the basket.

1,583,502. MEANS FOR AND METHOD OF IDENTIFYING DEVICES. GEORGE C. SNYDER, Long Island City, N. Y., assignor to Standard Seal and Number Corporation, Wilmington, Del., a Corporation of Delaware. Filed Sept. 5, 1922. Serial No. 586,214. 23 Claims. (Cl. 40—2.2.)

18. Means for identifying a device, comprising a code applied to the same, a fusible seal thereover, and a distinguishing number borne by the seal, the code and number being of same value.

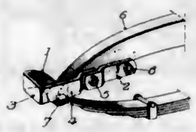
1,583,503. CONDENSER PLATE SYSTEM. EDWARD M. SQUAREY and FREDERICK KOCH, South Orange, and ALWYN E. BORTON, East Orange, N. J., assignors to U. S. Tool Company, Inc., a Corporation of New Jersey. Filed April 28, 1924. Serial No. 709,395. 7 Claims. (Cl. 250—41.)



1. A stator plate system for variable condensers comprising a plurality of plates stamped from a piece of sheet metal arranged in alignment, having tangs inte-

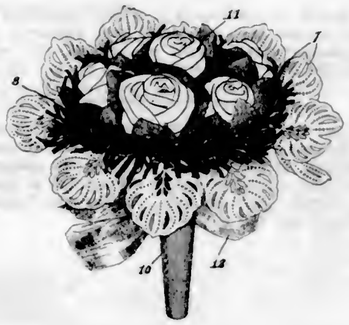
grally connecting a plate to one edge of the adjacent plate and integral tangs on the other edge of the second mentioned plate integrally connected to an edge of a succeeding plate.

1,583,504. AUTOMOBILE BUMPER BRACKET. WILLIAM A. STARCK, Milwaukee, Wis., assignor to Badger Manufacturing Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed June 29, 1923, Serial No. 648,450. Renewed Mar. 16, 1926. 10 Claims. (Cl. 293—55.)



1. An automobile bumper bracket adapted to be attached to the side bar of an automobile frame, comprising two supporting arms adapted to cooperate to support a bumper bar in a fixed vertical position and pivotally connected together to enable either arm to be turned vertically to adjust its position relative to the other arm.

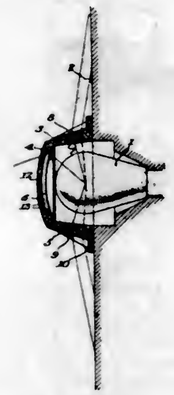
1,583,505. IMITATION BOUQUET. ROY E. TILLES, New Rochelle, N. Y., assignor, by mesne assignments, to Gotham Silk Hosiery Company, Inc., New York, N. Y., a Corporation of Delaware. Filed June 24, 1925. Serial No. 39,283. 3 Claims. (Cl. 41—13.)



1. As an article of manufacture, an imitation bouquet or like comprising a backing, a plurality of substantially cone-shaped elements, nested with respect to said backing, each of said elements adapted to receive a fabric article arranged to simulate a flower, and foliage.

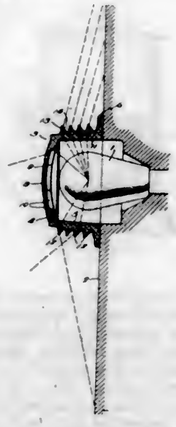
1,583,506. ELEVATOR SIGNAL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 26, 1925. Serial No. 11,798. 9 Claims. (Cl. 40—130.)

9. A signal device comprising a cup-shaped lens formed with a vertically arranged front light-diffusing portion, and a substantially horizontal hollow annular lamp-surrounding portion, the rear end of said annular portion being open to adapt the lens to receive a lamp, the inner and outer surfaces of said annular portion being constructed and arranged to refract rays from the lamp and direct them rearwardly, whereby the front



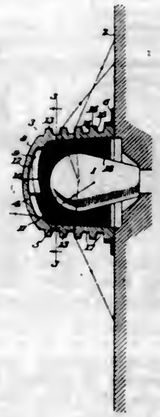
portion will be luminous with diffused light rays and surrounded with a halo of light caused by the rearwardly refracted light rays.

1,583,507. ELEVATOR SIGNAL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1925. Serial No. 26,435. 5 Claims. (Cl. 40—130.)



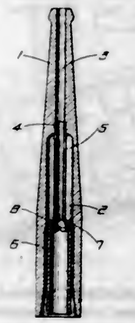
2. A device of the class set forth comprising a substantially cup-shaped glass covering for a wall lamp, formed with a front portion and a lamp-surrounding portion extending rearwardlly from the front portion, closed at its front end by said front portion and formed upon one of its lamp-surrounding surfaces with a plurality of light-reflecting surfaces disposed transversely with reference to the axis of the covering and arranged to receive light rays from the enclosed lamp, reflect them and direct them outwardly and rearwardly to create a halo of light surrounding the lamp covering upon the room wall back of it, the said front portion admitting light rays through it and being formed to direct substantially all of said rays forwardly away from the room wall irrespective of the longitudinal position of the lamp within the covering.

1,583,508. ELEVATOR SIGNAL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1925. Serial No. 61,242. 12 Claims. (Cl. 40—130.)



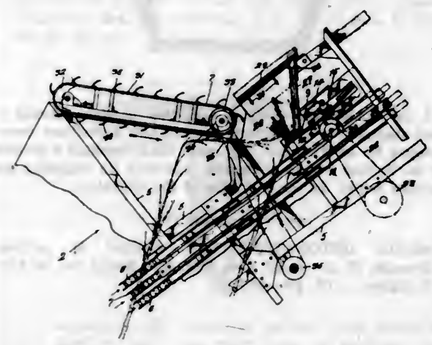
12. A device of the class set forth comprising a substantially cup-shaped glass covering for a wall lamp formed with a front portion; a lamp-surrounding portion closed at its front end by said front portion and formed with inner and outer lamp-surrounding surfaces; means carrried by one of said lamp-surrounding surfaces adapted to receive light rays from the enclosed lamp and reflect them outwardly and rearwardly toward the room wall back of the covering to create a halo of light around the covering, the other of said lamp-surrrounding surfaces being formed to diffuse light rays.

1,583,509. CIGARETTE HOLDER. JOHN M. WELCH, Brooklyn, N. Y., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Oct. 20, 1922. Serial No. 595,801. 7 Claims. (Cl. 131—10.)



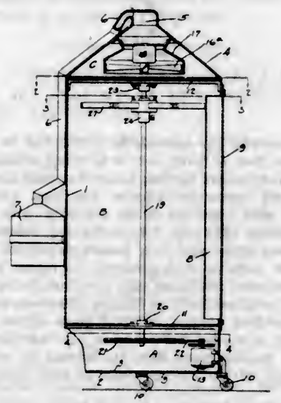
1. A holder of the class described having a smoke passage extending therethrough, a cylinder member fixed in said smoke passage, and a cylindrical ejector telescoping upon said member.

1,583,510. TOPPING DEVICE FOR SUGAR-CANE HARVESTERS. FREDERICK C. DOUGLAS WILKES and FRANCIS K. FLYNN, New York, N. Y., assignors to Luce Cane Harvester Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 3, 1922. Serial No. 579,894. 14 Claims. (Cl. 130—81.)



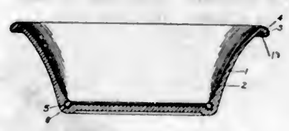
1. In a machine of the character described, conveying means for conveying the cane, a rotating topping cutter, and a fender having a side portion arranged transversely to the plane of the cutter and substantially parallel to the path of the conveying means and having a top portion substantially parallel to the plane in which the cutter rotates.

1,583,511. CLOTHES CLEANER. DUFFIELD WOODSON, Peoria, Ill. Filed Apr. 10, 1922. Serial No. 551,033. 3 Claims. (Cl. 15—15.)



3. In an apparatus of the character described, in combination, a portable enclosing casing arranged for the induction of air thereinto at the botttom and for tis exhaust from the top, means for suspending garments within said casing, means for rotating said garment suspending means, a suction fan located above said garment suspending means, and a dust collector arranged exteriorly of said casing and in communication therewith, above said fan.

1,583,512. DISH AND LINER THEREFOR. HERBERT L. WORTH, Riverside, N. J. Filed Sept. 13, 1923. Serial No. 662,483. 5 Claims. (Cl. 65—15.)



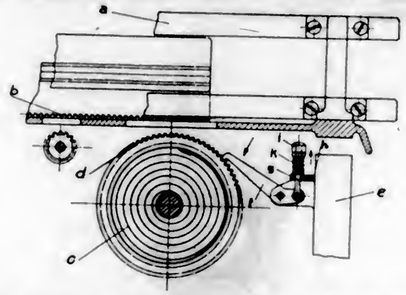
1. In combination with a container, a liner having a bead stamped on its bottom surface, and a resilient overhanging lip on its upper edge, said bead engaging a groove in the bottom of the container, and said lip engaging an annular flange on the top edge of the container.

1,583,513. DETONATING TOY. MILTON M. ADLER, Newark, N. J. Filed Nov. 3, 1925. Serial No. 66,471. 6 Claims. (Cl. 46—46.)

1. A detonating toy comprising a rod and an exploding anvil at one end of said rod, said anvil consisting of a pair of anvil-members having inner flat face-portions and provided with oppositely located openings, the face-portions above said openings being provided with longitudinally extending channels for embracing relation of the anvil-members upon said rod, means associated with said members for permanently securing the same to the rod, the flat face-portions below said openings being also provided with longitudinally extending channels arranged to provide a guiding duct, a striking plate within the openings of said anvil-members, and a pin movably disposed within said guiding duct, said pin having an enlargement upon the end within the openings of said anvil-members.

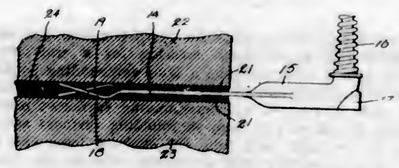
1,583,514. TYPEWRITING MACHINE. GOTTLOB AICHELE, Nellingen, near Esslingen, Germany, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany, a Corporation of Germany. Filed Apr. 6, 1925. Serial No. 21,091. 1 Claim. (Cl. 197—62.)

In a typewriting machine the combination of an underframe, a bed plate mounted on said frame, a carriage displaceable on but secured to said bed plate, a rack bar mounted on said carriage a toothed barrel mounted on said underframe a spring within said barrel tending to rotate the same, a lever pivotally mounted on said underframe, spring means tending to force said lever to engage with the teeth on said barrel and an abutment connected



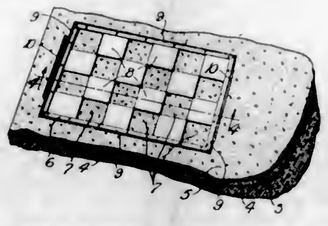
with said lever and adapted to contact with said bed plate to cause disengagement of said lever from said teeth when said bed plate is mounted in position on said underframe.

1,583,515. INSULATOR SUPPORT. ARTHUR ALBRECHT, St. Louis, Mo., assignor of one-half to Jasper Blackburn, Webster Groves, Mo. Filed Dec. 26, 1922. Serial No. 608,875. 5 Claims. (Cl. 72—101.)



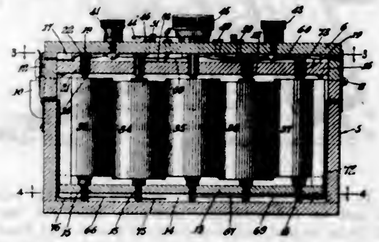
1. An insulator support comprising a flat body portion formed of spring metal and provided on one of its ends with a portion extending at an angle to the body portion, a tongue carried by each edge of the body portion, and an intermediate tongue carried by the body portion, the said first mentioned tongues and the intermediate tongues being bent in opposite directions so as to occupy more space than the thickness of the body portion.

1,583,516. METHOD OF MAKING MULTICOLORED CONCRETE FLOORS. WILLIAM HENRY ANFIELD, St. Louis, Mo. Filed July 21, 1924. Serial No. 727,148. 2 Claims. (Cl. 94—24.)



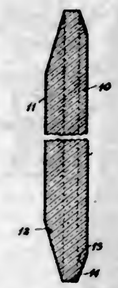
1. The herein described method of making multicolored concrete floors which consists in forming a concrete supporting base, applying to said base a leveling and smoothing layer of sand and concrete, applying to said layer of sand and concrete a monolithic self-hardening layer and rolling the same, laying on said monolithic floor layer before it becomes set a form having certain portions cut away, filling in the cut away portions with colored material or rock chips, tamping the said chips or rocks into the monolithic floor layer, removing said form, rolling the monolithic floor layer and colored chips so as to form a continuous smooth surface, forming channels in the monolithic layer along the edges of the colored portions, and filling said channels with self-hardening material.

1,583,517. BATTERY BOX. EDMUND R. BARANY, Brooklyn, N. Y., assignor to Yale Electric Corporation, a Corporation of New York. Filed May 25, 1922, Serial No. 563,493. Renewed Oct. 17, 1925. 4 Claims. (Cl. 136—109.)



4. A battery box comprising a receptacle, a terminal associated with said receptacle, a second terminal associated with said receptacle, a plurality of cells arranged within said receptacle said cells being electrically connected to said terminals and adapted to deliver their full voltage thereto, a third terminal associated with said receptacle and variable means electrically connecting said third terminal with said first terminal through said cells, whereby a predetermined number of cells may be placed in circuit with said first and third terminals without affecting the electrical connection afforded between the first and second terminals through said cells.

1,583,518. HALFTONE PLATE. ELLIS BASSIST, Westwood, N. J. Filed Aug. 18, 1925. Serial No. 50,913. 6 Claims. (Cl. 101—401.)

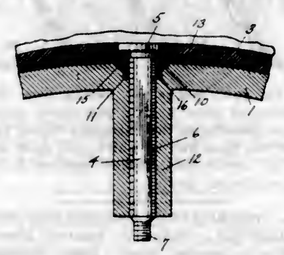


1. A member for use in preparing half-tone plates for making lithographic printing plates, comprising a transparent base plate bevelled along its edges both on its upper and under faces, and an opaque coating provided over the upper face and continuing over the two said bevelled portions.

1,583,519. MEDALLION ETCHING PROCESS. MURRAY C. BEEBE, Cincinnati, Ohio, assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 19, 1923. Serial No. 613,758. 6 Claims. (Cl. 95—5.7.)

1. The process of variable relief etching, consisting in covering a metallic surface with a light-sensitive coating, in subjecting the same to a luminous image to produce selectively variable permeable areas in the coating comparable to the lights and shades of the image, in subjecting the image impressed coating to a single mordant, and in selectively controlling the variable rate of action of the mordant by means of the variable image areas.

1,583,520. METHOD AND APPARATUS FOR VULCANIZING INNER TUBES OR THE LIKE. JOSEPH CLARENCE BOLT, Boundbrook, N. J. Filed Jan. 5, 1925. Serial No. 404. 3 Claims. (Cl. 18—56.)

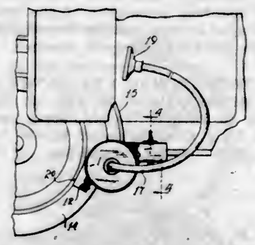


1. The process of vulcanizing rubber tubes under internal pressure with the valve stem in position, comprising the step of permitting the valve stem to move outwardly as a result of the internal pressure while the rubber is softened during vulcanization, and arresting the movement of the valve stem after the base thereof has become embedded within the rubber.

1,583,521. PROCESS OF MAKING VESICULAR PRODUCTS. CARL WILLIAM BOYNTON, Philadelphia, Pa., assignor, by mesne assignments, to The Government of the United States and to the People of the United States. Filed Dec. 20, 1918. Serial No. 267,710. 9 Claims. (Cl. 106—24.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. The process of making a vesicular product, consisting in reducing suitable earthy material containing compounds capable of generating gases to a slurry, and burning the slurry to a vesicular condition.

1,583,522. VEHICLE CLEANER. JOSEF BRANDSTETTER, Chicago, Ill. Filed May 12, 1924. Serial No. 712,517. 2 Claims. (Cl. 103—218.)



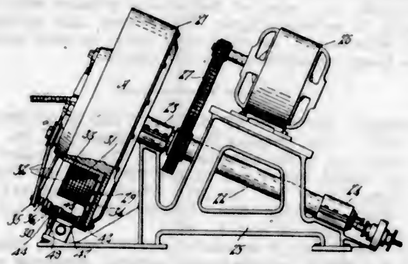
1. A vehicle cleaner including a body having spaced upper end lower jaws formed to engage on opposite sides of the running board of a vehicle, means to clamp the jaws to the running board, an operating mechanism having a casing, said body having an integral part extending outwardly therefrom and at an angle, and rigidly connected to said member so as to support the latter at points along the side and in spaced relation to the rear end of the running board, said body having an elongated wall in the space between the jaws to engage the outer edge of the running board so as to engage against the outer side edge of the latter, a forked bearing carried by the inner side of said casing of said mechanism and

extending in the space between said rear end of the running board and the adjacent rear wheel of the vehicle, and a driving member for actuating the operating mechanism journaled in said bearing and being engageable with said rear wheel of the vehicle.

1,583,523. PIE PAN. FRED S. BRISCOE, San Francisco, Calif. Filed Jan. 7, 1925. Serial No. 1,104. 2 Claims. (Cl. 53—6.)

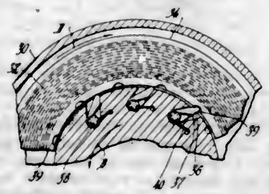
1. In a pie pan, means for baking pies which comprises a series of pans having peripheral cutting edges and a frame comprising two members flared to fit under the edges of the pans and to which said pans are riveted, and means to secure said frames together between each pan and the adjacent pan.

1,583,524. OVERRUNNING PREVENTER FOR WINDING MACHINES. HENRY E. BRYANT, Providence, R. I., assignor to Tubular Woven Fabric Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Sept. 16, 1925. Serial No. 56,703. 12 Claims. (Cl. 117—41.)



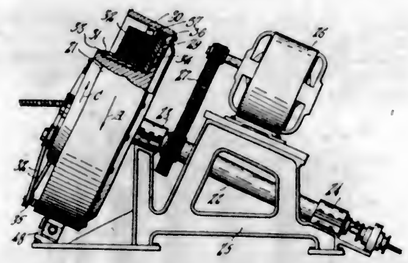
1. In a winding machine a rotatable winding head, a rotatably mounted spool carrying the material to be wound, a guide for leading said material from the spool to the winding point, said guide being supported by the head and movable in opposite directions from a normal position when the machine is in operation, a stop mechanism adapted to arrest said head, a normally inoperative clutch for coupling the spool to the head, and means operated by abnormal movement of the guide in either direction from its normal position for setting said clutch to thus couple the head and spool together.

1,583,525. OVERRUNNING PREVENTER FOR WINDING MACHINES. HENRY E. BRYANT, Providence, R. I., assignor to Tubular Woven Fabric Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Sept. 16, 1925. Serial No. 56,704. 6 Claims. (Cl. 117—41.)



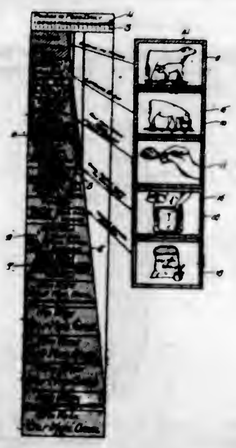
1. In a winding machine having a rotatable head, a spool mounted on said head and independently rotatable relatively thereto, and a clutch between the head and spool adapted to couple the one to the other upon reversal of the direction of relative rotation between them.

1,583,526. OVERRUNNING PREVENTER FOR WINDING MACHINES. HENRY E. BRYANT, Providence, R. I., assignor to Tubular Woven Fabric Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Sept. 16, 1925. Serial No. 56,705. 5 Claims. (Cl. 117—41.)



1. In a winding machine including a rotatable winding head and an independently rotatable spool for the material to be wound, friction means between said head and spool normally resisting relative rotation of the spool, and means for progressively increasing the pressure of said friction means with occurrence and progress of relative movement between the head and spool in one direction.

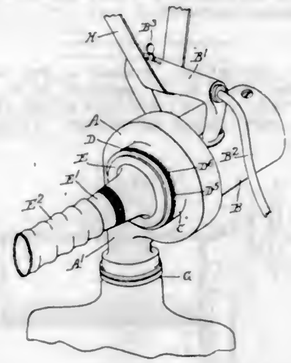
1,583,527. CHART FOR FEEDING. RALPH E. CALDWELL, Waukegan, Ill., assignor to Blatchford Calf Meal Company, Waukegan, Ill. Filed Apr. 16, 1923. Serial No. 632,283. 3 Claims. (Cl. 283—1.)



1. A chart for indicating feed to be given, having lateral divisions appropriately designated to indicate the amount of feed to be given during specified times, and longitudinal divisions appropriately designated to indicate time and having areas designated to indicate the kind and amount of feed to be given during certain specified times.

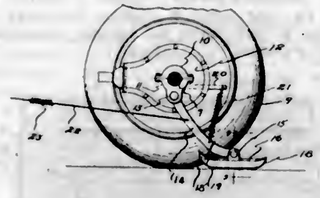
1,583,528. BLOWER. GEORGE CLEMENTS, Chicago, Ill. Filed May 5, 1923. Serial No. 636,844. 4 Claims. (Cl. 15—15.)

3. A convertible blower comprising a fan and fan casing, a motor and motor casing associated therewith, a handle therefor, an air outlet associated with said fan casing, the casing being provided with an air inlet, a removable screen for said inlet and a removable holding



ring adapted to be secured to the casing to hold said screen in place, in combination with a suction attachment adapted to be removably inserted in said holding ring.

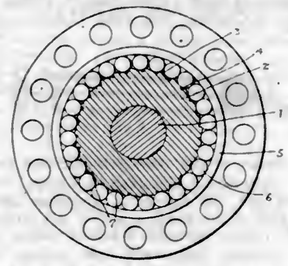
1,583,529. BRAKE. CLYDE E. COLEMAN, Detroit, Mich. Filed Dec. 1, 1924. Serial No. 753,091. 1 Claim. (Cl. 188—5.)



A brake of the class described, comprising a pair of supporting members, adapted for mounting on the axle of a vehicle with which used; an arcuate arm projecting rearwardly from one of said supporting members; a yoke, pivotally connected at the end of each of its arms to said supporting members, the tree of said yoke being arcuate adjacent its free end; a shoe rockingly mounted on the free end of said tree having the ends curved upwardly and the upper surface thereof formed arcuate to correspond substantially to the curvature of the free end of said tree, said tree being adapted for engaging one end of said shoe, throughout substantially one-half the length of said shoe upon the rocking of said shoe a predetermined distance in one direction, for limiting the rocking of said shoe in said direction; and resilient means connected to said arcuate arm and to said tree, for normally retaining said shoe in inoperative position.

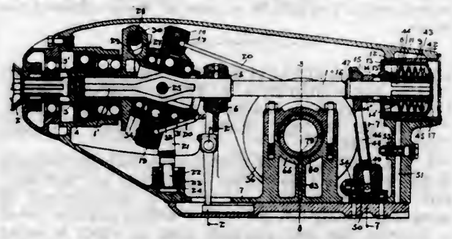
1,583,530. CLUTCH MECHANISM. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed Jan. 28, 1922. Serial No. 532,464. 2 Claims. (Cl. 192—45.)

1. In a clutch, a cylindrical surfaced member, a member spaced from said cylindrical surfaced member and having a continuous succession of tangential surfaces, roller members co-operating with each of said tangential



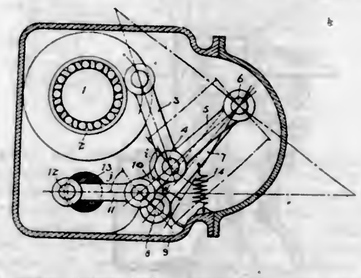
surfaces and with the cylindrical surface, and means interposed between the tangential surfaces engaging said rollers and holding them in definite location.

1,583,531. VARIABLE-SPEED POWER TRANSMISSION. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed Jan. 26, 1923. Serial No. 615,055. 6 Claims. (Cl. 74—53.)



1. In a variable speed power transmission, the combination with an oscillating member operatively connected with the driven shaft, a longitudinally movable driving shaft and elastic means opposing the longitudinal movement of said shaft, of hydraulic means for opposing the longitudinal movement of the shaft.

1,583,532. POWER-TRANSMISSION MECHANISM. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed July 7, 1924. Serial No. 724,609. 3 Claims. (Cl. 74—53.)



1. A power transmission mechanism, comprising, a lever mounted on a fixed pivot, a lever pivotally mounted on the aforesaid lever, a driving crank shaft, a link connecting said crank shaft and said secondary lever, a driven shaft, a free wheel clutch on said driven shaft, a link connecting said free wheel clutch with said secondary lever, and an elastic resisting medium operatively connected with the lever on the fixed pivot to oppose the power stroke of the driving crank in transmitting power to the driven shaft in direct proportion to the torque of the driven shaft.

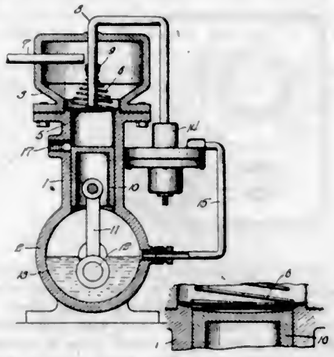
1,583,533. GREASE GUN. WILLIAM L. DEMING, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Sept. 4, 1920. Serial No. 408,222. 2 Claims. (Cl. 221—47.3.)

1. In a device of the character described the combination of a cylindrical container, a hollow conical head mounted at one end thereof, a discharge spout leading from the end of the head, a piston rod having the end within the cylinder threaded, a hollow conical piston head having a central boss, said boss having a threaded opening in engagement with the piston rod and the end of said boss being in the same plane with the base of the piston head skirt, a pair of oppositely facing packing cups, a washer disposed intermediate the cups, each of said cups and said washer having a central opening through which said piston rod extends, the openings in the cup adjacent the piston head being smaller than the diameter of the boss and an abutment on the piston rod beyond the other cup, whereby the piston head acts as a nut having engagement with the adjacent cup in a central region and also in an annular region adjacent the flange.

1,583,534. MANUFACTURE OF ARTIFICIAL SILK AND LIKE MATERIALS FROM VISCOSE SOLUTIONS. WILLIAM PORTER DREAPER, London, England. Filed Oct. 18, 1923. Serial No. 669,281. 3 Claims. (Cl. 18—54.)

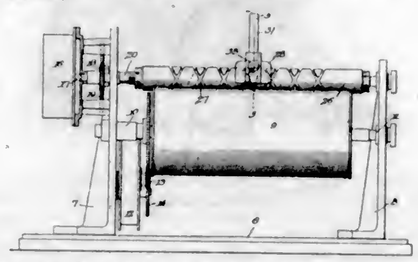
1. The manufacture of artificial silk and like products of fine filaments from viscose solutions in an "acid-salt" bath of relatively low concentration characterized by containing twenty-two per cent of sodium sulphate, seven to fourteen per cent sulphuric acid, to which is added about five per cent (not being less than one per cent or more than eight per cent) of ammonium sulphate, the said filaments being drawn off at a speed of fifty metres per minute or more.

1,583,535. COMPRESSOR. JOHN DUBROVIN, Chicago, Ill., assignor, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1924. Serial No. 709,472. 6 Claims. (Cl. 230—34.)



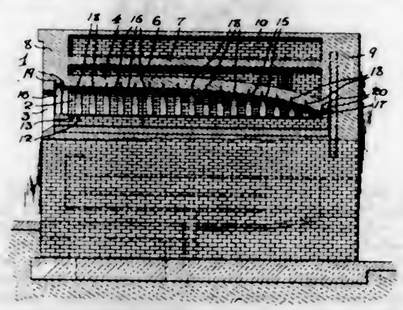
1. In a compressor, a cylinder having at its discharge end an outwardly concaved annular seat; an imperforate circular and normally flat head of smaller diameter than the outer diameter of the seat and of a resilient and normally flat material adapted to be convexed toward the cylinder to a spherical curvature conforming substantially to the concaving of the seat; and a spring having an annular end portion of smaller diameter than the head and disposed with this end engaging the head on the side opposite the cylinder and cooperating with suction in the cylinder to flex the head to the said seat-fitting spherical curvature.

1,583,536. RECORDER. WILLARD L. EGY and ROBERT P. DODDS, Troy, N. Y., assignors to W. & L. E. Gurley, Troy, N. Y., a Corporation of New York. Filed Oct. 31, 1923. Serial No. 671,987. 4 Claims. (Cl. 234—1.)



1. A marking carriage movement for recorders and the like, comprising in combination a rotatable shaft; an arbor releasably connected at one end with said shaft; a retractable bearing for the other end of said arbor; a sleeve surrounding said arbor and provided with a spiral cam groove; releasable means for fixing said sleeve in place; and a marking carriage arranged to be driven by engagement with said cam groove.

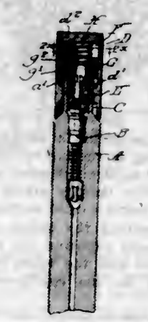
1,583,537. BAKER'S OVEN. JOSEPH C. EMLEY, Philadelphia, Pa., and DAVID T. CARTER, New York, N. Y. Filed June 7, 1922, Serial No. 566,513. Renewed Mar. 4, 1926. 9 Claims. (Cl. 107—55.)



1. A baker's oven comprising a baking chamber formed with ledges and an arch of masonry, supporting plates disposed upon said ledges, combined, with an arch-supporting means comprising a series of transversely disposed and arch-shaped supporting beams of metal having angularly extending and flat end-members resting upon said supporting plates for expansion and contraction, said beams having upwardly extending arc-shaped ribs, the arc-shaped portions of the beams and said ribs being imbedded in said arch so as to be non-exposed from the upper surface of the arch, and also for re-inforcing and supporting the arch.

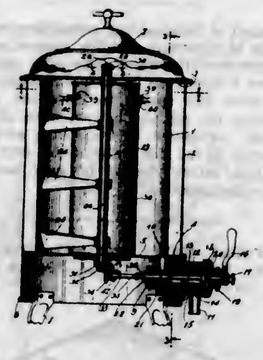
8. A baker's oven comprising a baking chamber having an arch of masonry, and said oven being formed with a second arch above said first-mentioned arch, combined with arch-supporting means comprising a series of transversely disposed and arc-shaped beams imbedded in said first-mentioned arch for re-inforcing and supporting the same, and anchoring devices between and connected with said arches, each anchoring device comprising a post, end-plates connected with the respective ends of said post, and tie-rods connected at one end with one of said end-plates and at their other ends with the beams adjacent to the other end-plate.

1,583,538. VALVE CAP FOR PNEUMATIC TIRES. EMORY S. ENSIGN, Rockford, Ill. Filed Sept. 18, 1922, Serial No. 588,749. Renewed Aug. 9, 1924. 12 Claims. (Cl. 152—12.)



6. A valve structure for pneumatic tires, comprising a stem provided with an air passageway, a removable cap on said stem adapted to contain air under pressure escaping from the stem, said cap encasing the upper portion of the stem, and means within said cap, operated by the internal air pressure in said cap, for sealing the joint between the cap and the stem.

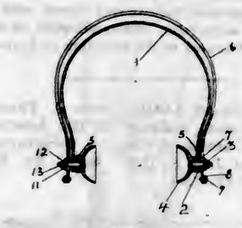
1,583,539. BEVERAGE-DISPENSING VESSEL. SAMUEL H. ESSHLER, Weehawken, N. J., assignor to S. Blickman, Inc., Weehawken, N. J., a Corporation of New York. Filed Apr. 24, 1925. Serial No. 25,588. 3 Claims. Cl. 225—21.)



1. A beverage dispensing vessel having axially arranged stirring mechanism including circumferentially movable blades or vanes, an ice chamber detachably held in the vessel on the wall thereof, and extend longitudinally thereof, a draw-off including a valve provided with a handle for operating the same, a driving connection between the valve and the stirring mechanism for operating the same when the valve is operated, and means to limit the movement of the valve in opposite directions to prevent contact of the blades or vanes with the ice chamber.

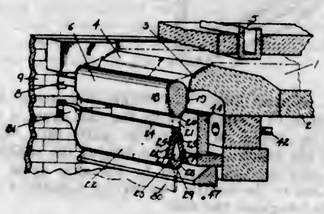
3. A beverage dispensing vessel having axially arranged stirring mechanism, and a draw-off including a casing having a tapering seat and a lateral discharge from the seat, a tapering valve engaging the seat and having a lateral port, the outer end of the valve closed, an axial valve stem having a driving connection with the stirring mechanism, the valve slidable longitudinally thereof, and constrained to rotate therewith, a cap through which the stem extends connected with the casing, and a spring arranged between the cap and the valve, for holding the valve to its seat.

1,583,540. HAIR-BOBBING GAUGE AND CLAMP. IVOR H. EVANS, Oakland, Calif. Filed May 20, 1925. Serial No. 31,528. 5 Claims. (Cl. 132—45.)



1. A hair-bobbing gauge and clamp comprising in combination a backing strip formed of resilient metal bent substantially U-shape, a clamping strip formed of resilient metal bent U-shape, pivotally connected thereto whereby the clamping strip may be swiveled in reference to the backing strip to engage hair between the two strips and means to move the backing and clamping strips relative to each other to clamp the hair.

1,583,541. FORMING CONTINUOUS SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 25, 1924. Serial No. 694,930. 42 Claims. (Cl. 49—17.)

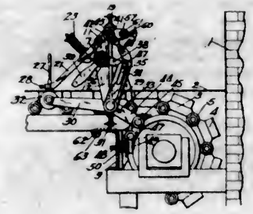


8. In the art of making sheet glass, the method of handling the glass before forming the sheet which consists in delivering the glass originally as a relatively wide and shallow flow toward and over the exterior of a horizontally positioned member in a manner to divide the glass into two shallower flows proceeding downwardly on said member, in uniting said flows into a single flow beneath said member, and thereafter in again dividing and reuniting the said single flow in a similar fashion prior to the application of drawing force thereto.

1,583,542. APPARATUS FOR CUTTING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924. Serial No. 703,032. 8 Claims. (Cl. 49—48.)

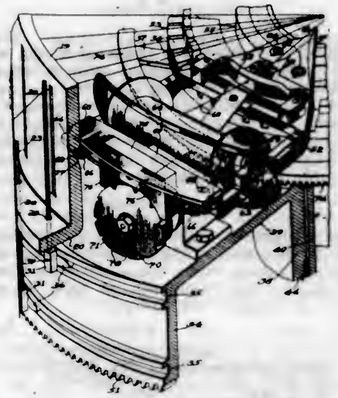
1. In combination with means for feeding a sheet of glass longitudinally, a sheet scoring mechanism compris-

ing a cutter member, a cutter-carrying arm, means for holding the cutter yieldingly against the sheet, means



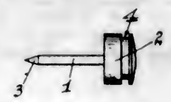
supporting the opposite face of the sheet, and a carrier for the arm and supporting means adapted to move with the sheet at right-angles to its direction of travel.

1,583,543. CIRCULAR LOOM. OTTO A. FREDERICKSON, Wethersfield, Conn., assignor to The American Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed June 8, 1925. Serial No. 35,582. 18 Claims. (Cl. 139—13.)



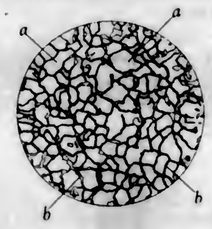
1. In a circular loom, a rotating cam drum, heddles constructed to be reciprocated by the cam drum, a shuttle supported to travel in a circular path thru the shed formed by the heddles, means for driving the shuttle comprising a driving disk carried by the cam drum, and a block secured to the shuttle and having a concave bearing surface that engages the disk.

1,583,544. FURRING NAIL. RUSSELL BENJAMIN FRISBEY, Oakland, Calif., assignor of one-half to William R. Oakley, Oakland, Calif. Filed Feb. 9, 1922. Serial No. 535,113. 2 Claims. (Cl. 72—120.)



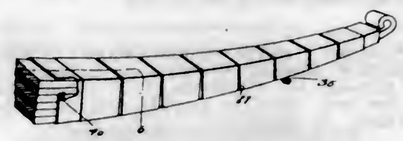
1. A tack including a shank pointed at one end, and a cylindrical head on the other end of said shank, said head being provided with an annular groove near its outer end, the cross-section of the head in the plane of the groove being substantially larger than the cross-section of the shank.

1,583,545. PRODUCTION OF PATTERNED INDIA RUBBER. HERBERT FROOD and WALTER RICHARD SYDER, Chapel-en-le-Frith, England. Filed Oct. 16, 1924. Serial No. 744,060. 4 Claims. (Cl. 18—61.)



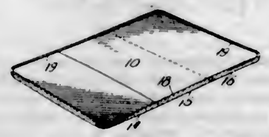
2. The process of producing a mosaic effect in india-rubber goods, consisting in cutting rubber sheets of different colours into small sections, dipping said sections in a metallic powder solution thereby giving them a metallic coating, uniting said metal coated sections into one unit, and subsequently removing the metal coating from the top of said unit thereby exposing the rubber surface of the respective sections and the upper edges of the portions of the coating on the contiguous sides of said sections.

1,583,546. VEHICLE SPRING COVER AND METHOD OF ASSEMBLING THE SAME. ALBERT R. GOLDRICK, Cleveland, Ohio, assignor to Benno B. Leustig, Cleveland, Ohio. Filed Dec. 20, 1923. Serial No. 681,827. 36 Claims. (Cl. 267—37.)



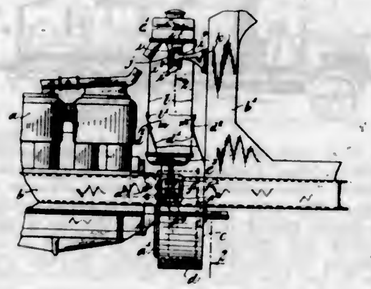
1. The method of forming and assembling spring covers which consists of forming a metallic channel shaped shell comprising substantially three sides of a cover, placing the shell upon a spring to be encased, assembling a metallic strip upon the spring to close the fourth side thereof, whereby the top and bottom walls of the casing may be closely juxtaposed to the spring and finally securing said strip to the side walls of the shell throughout the longitudinal extent thereof in such manner as to maintain said juxtaposition.

1,583,547. TABLE MAT. ROBERT W. GREENBERG, New York, N. Y. Filed Apr. 21, 1924. Serial No. 707,826. 6 Claims. (Cl. 65—53.)



1. A table mat, comprising superposed layers of sheet material secured together, the inner layers having openings distributed over the same and arranged with the openings in one inner layer overlapping the openings in an adjacent inner layer and with the openings at the edges of said layers intersecting said edges for air circulation through the mat from its outer edges.

1,583,548. CUSHION SUPPORT FOR RADIATORS. ERVING R. GURNEY, Beechhurst, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 5, 1924. Serial No. 736,007. 3 Claims. (Cl. 257—120.)

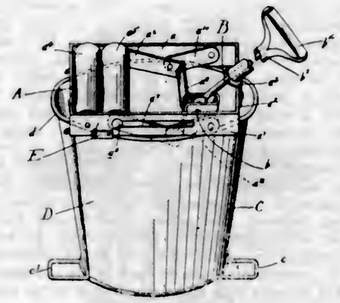


1. In a cooling device for motor vehicles, a radiator, means to resiliently mount the same on the vehicle chassis, a fan housing, means to mount the latter rigidly on the chassis, air ducts carried by the housing and radiator, and yielding means to connect the latter.

1,583,549. METHOD OF TREATING ALUMINUM-SILICON ALLOYS. ALFRED GEORGE COOPER GWYER and HENRY WILFRED LEWIS PHILLIPS, London, England, assignors to The British Aluminium Company, Limited, London, England. Filed June 9, 1925. Serial No. 36,043. 4 Claims. (Cl. 75—1.)

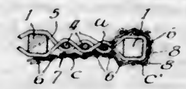
1. A method for physically varying the structure of alloys largely predominant in aluminum and containing silicon as the other principal ingredient which consists in the addition to the molten alloy of a peroxide of an alkali metal.

1,583,550. MOP WRINGER. EDWARD J. HARTMAN, Cincinnati, Ohio. Filed May 27, 1920, Serial No. 384,772. Renewed Mar. 18, 1926. 5 Claims. (Cl. 15—262.)



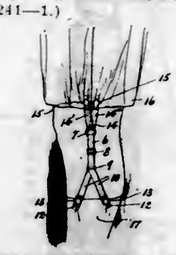
1. In a mop wringer the combination of a frame, a fixed roller in the frame, a roller mounted reciprocally within the frame, arms pivotally connected to the movable roller and the frame, a handle secured to the arms and means for locking the handle in the frame.

1,583,551. WOVEN ELASTIC RIBBON. JOHN HECK, Chicago, Ill., assignor to A. Stein & Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1925. Serial No. 18,790. 15 Claims. (Cl. 28—1.)



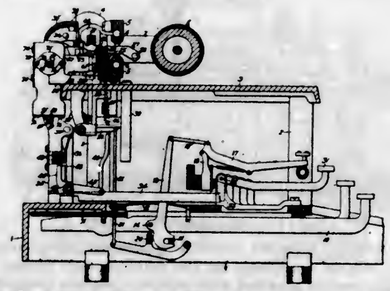
1. An elastic ribbon comprising an elastic webbing, a shirred lining interwoven at its edges with the edges of said webbing, and a shirred facing stitched to said webbing and said lining and extending beyond the edges thereof.

1,583,552. GARTER. ALBERT C. HERZBERG, Memphis, Tenn. Filed Apr. 24, 1924. Serial No. 708,630. 1 Claim. (Cl. 241—1.)



In men's hose supporters for use with knee-length undergarments, the combination with an articulating ring, of an upper supporter member doubled on itself and slidingly engaged through said articulating ring to provide relatively short upwardly extending divergent arms, gripping means connected with the free end of each arm to individually fasten said arms at separate points to the end of the leg portion of a knee-length undergarment so that the same are capable of sidewise movement toward and away from one another and at the same time so suspend the supporter member as to dispose said articulating ring adjacent to the bend of the knee of the wearer, a body member suspended from the underside of said articulating ring for sidewise swinging movement thereon, means connected with the lower end of said body member to engage and hold a sock, and said body member having means for adjusting its length to properly position said sock holding means relative to the sock top of the wearer.

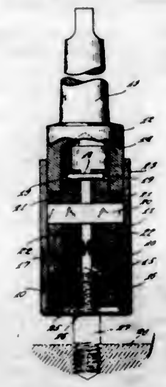
1,583,553. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 735,050. 3 Claims. (Cl. 197—64.)



1. In a typewriting machine, the combination with the carriage of said machine, and means to give a long run to said carriage, of a governor comprising a cast having two air cylinders integral therewith and at an angle to

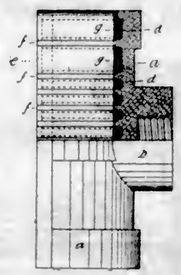
each other, a shaft journaled in said casting and terminating short of the axes of said air cylinders and having on its end a crank and wrist pin, pistons in said cylinders, both connected with said wrist pin, a normally broken train of gearing between said shaft and said carriage, and devices to set said means into operation and simultaneously to connect up said train of gearing without moving said casing.

1,583,554. STUD SETTER. EDWARD M. HOOVER, Anderson, Ind., assignor to The Manufacturing Equipment Company, Anderson, Ind., a Corporation of Indiana. Filed June 23, 1924. Serial No. 721,645. 8 Claims. (Cl. 81—53.)



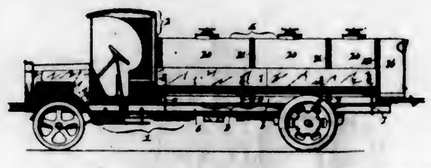
1. A stud setter, comprising a rotatable carrying member having a longitudinal bore, a plurality of jaws mounted in said bore and movable longitudinally thereof in either direction by force longitudinally applied, said jaws and said bore being provided with mating wholly conical tapered surfaces which produce relative transverse movement between said jaws upon such longitudinal movement in said bore and being rotationally drivingly interconnected so that turning of said carrying member always produces turning of said jaws therewith, and a spring tending to separate said jaws transversely, said jaws having an internal thread of which the parts are relatively movable by the relative transverse movement of said jaws.

1,583,555. SHOE FOR LIFTS AND THE LIKE. ROYSTON ERIC JACKMAN, Rose Park, South Australia, Australia. Filed May 23, 1923. Serial No. 640,879. 1 Claim. (Cl. 184—21.)



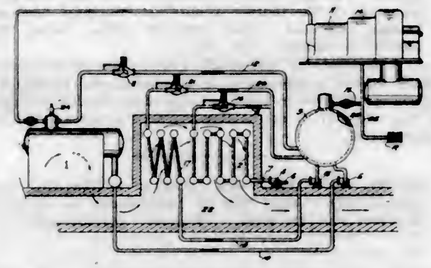
A bearing shoe for elevator guideways comprising a body portion attachable to the elevator and having its bearing surface provided with parallel graphite containing grooves projecting to points short of the ends of the bearing surface and disposed transversely of the axis of the guideway, the walls of the grooves being tapered inwardly from the surface to the bottom.

1,583,556. TANK VEHICLE. JAMES A. JENSEN, Philadelphia, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 21, 1924. Serial No. 727,193. 3 Claims. (Cl. 280—5.)



1. In a tank vehicle including a wheeled support, an auxiliary frame providing a cradle for the tank, said auxiliary frame comprising longitudinal sill rails and a series of spaced transverse structural beams having bottom flanges seating in recesses on the top of the said sill rails, and securing means in the form of U-bolts embracing the sill rails and passing through elongated slots in the base flanges of the transverse beams, the cross portions of said U-bolts being accommodated in notches at the bottom of the sill rails to permit relative adjustment of said rails and beams in suiting the cradle frame to the wheeled support, as well as affording compensative adjustment for the beams to facilitate mounting of the tank on the frame.

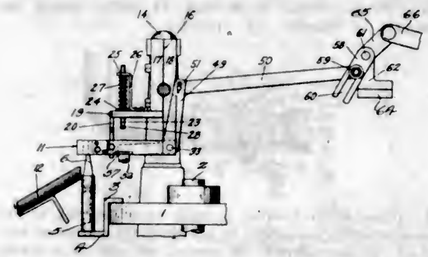
1,583,557. STEAM GENERATION IN TWO STAGES. EMIL JOSSE, Berlin, Germany, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed Aug. 2, 1922. Serial No. 579,254. 16 Claims. (Cl. 122—1.)



6. In a steam plant, a primary boiler generating steam at substantially constant pressure, a high pressure steam consumer, means to conduct steam from said primary boiler to said steam consumer, an accumulator adapted to flash steam and to operate under varying pressures, a preheater, means to supply water to said preheater a conduit leading water from said preheater to said accumulator, means to force water from said accumulator to said primary boiler, a low pressure consumer, means to lead steam from said accumulator to said low pressure consumer, means to maintain the pressure in the preheater constant, a steam conduit extending between said primary boiler and the water space of said accumulator, and a valve in said conduit operating to open when the boiler pressure rises above a predetermined value and allow surplus steam generated to pass into the accumulator to be condensed therein.

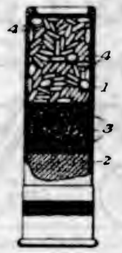
1,583,558. FILLING MACHINE. EDWARD E. KALLENBACH, New York, N. Y. Filed May 10, 1924. Serial No. 712,324. 14 Claims. (Cl. 214—91.)

1. In a device of the character described, the combination with a rotatable carrier having seats adjacent its periphery to receive containers and the like, of a horizontal shaft extending across said carrier, a pair of arms pivotally secured to said shaft and terminating in jaws extending above said seats, means for actuating said arms to lower said jaws into engagement with the containers on said seats, means for swinging said arms



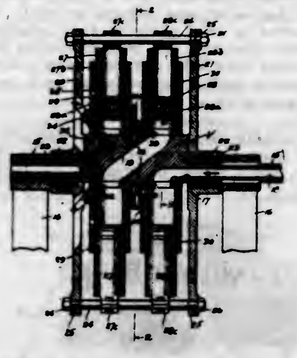
toward one another to close said jaws when lowered to engage the containers disposed on said carrier, and means for raising said arms with the jaws so closed to pick up and discharge the containers from said carrier

1,583,559. SHOTGUN CARTRIDGE. CHRISTIAN H. KENNEWEG, Millvale, Pa. Filed Nov. 2, 1925. Serial No. 66,162. 6 Claims. (Cl. 102—15.)



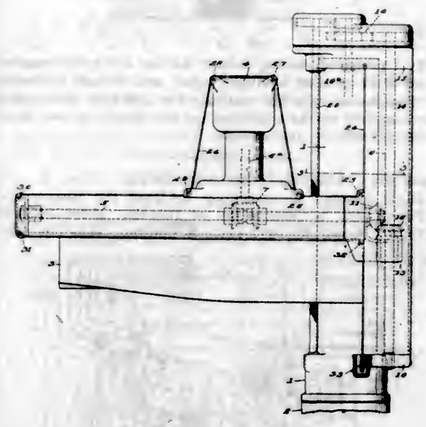
1. A shot gun cartridge, having a scattering shot charge containing flattened shot, substantially as described.

1,583,560. ROTARY INTERNAL-COMBUSTION ENGINE. JAMES K. MORRIS, Monrovia, Calif. Filed Dec. 22, 1924. Serial No. 757,514. 10 Claims. (Cl. 123—44.)



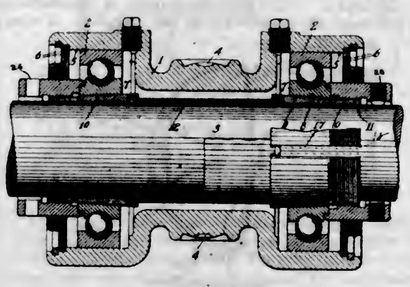
10. An engine comprising a plurality of rotatable piston and cylinder firing units, a plurality of rotatable piston and cylinder compressing units, and means operable by rotation of all of the units for supplying fuel to the cylinders of the compressing units where it is compressed and discharged into the cylinders of the firing units for subsequent ignition, all in a predetermined sequence to effect continuous rotation of all of the units.

1,583,561. CONTINUOUS STRAP FOR GUARDING DRILL SHAFTS. LAWRENCE LEE SCHAUER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 10, 1925. Serial No. 8,187. 15 Claims. (Cl. 77—28.)



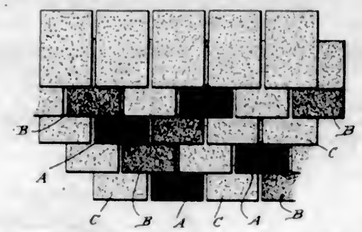
1. In a machine tool, the combination comprising an elongated member having a slot formed therein; a sliding mechanism movable along the elongated member and projecting through the slot into the elongated member; and means comprising a flexible strip connected to the elongated member at each end of the slot therein and arranged to cover such slot on each side of the mechanism irrespective of the movement of the sliding mechanism along the elongated member.

1,583,562. ANTIFRICTION-BEARING MOUNTING. KARL A. STENNER, Farmington, Conn., assignor to The Skayef Ball Bearing Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 2, 1925. Serial No. 52. 16 claims. (Cl. 308—189.)



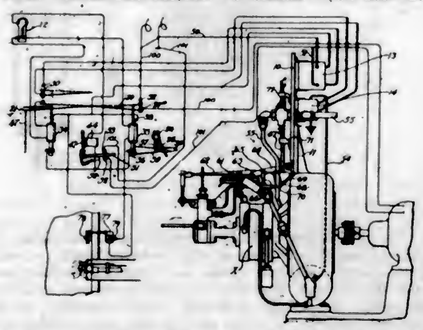
1. A bearing mounting comprising a pair of adapter sleeves positively and flexibly articulated together.

1,583,563. ROOF COVERING. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Nov. 7, 1921. Serial No. 513,323. 3 Claims. (Cl. 108—8.)



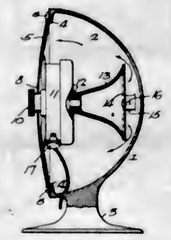
3. A prepared roofing shingle having one entire surface faced with grit of a single color, and having a coating of bituminous coloring matter of a different shade from the color of the grit applied on the facing of the lower third portion of the shingle.

1,583,564. LIQUID-FUEL ATOMIZER. LOYD I. ALDRICH, Peoria, Ill., assignor to Hart Oil Burner Co., Peoria, Ill., a Corporation of Illinois. Filed June 25, 1923. Serial No. 647,444. 8 Claims. (Cl. 158—28.)



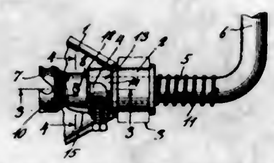
1. In combination with a liquid fuel burner, automatic control means therefor including a primary electrical circuit having a main and safety switch therein, a secondary circuit adapted to operate said main switch, including a transformer house thermostat and furnace thermostat, and means including a subswitch for short circuiting the house thermostat from the direct circuit upon initial switch movement.

1,583,565. SOUND-WAVE AMPLIFYING DEVICE. CHARLES T. ASBURY, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1924. Serial No. 745,909. 3 Claims. (Cl. 181—27.)



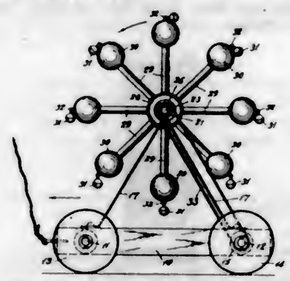
1. The combination in a sound amplifying device, of a hemi-spherical body portion; a horn located within the hemi-spherical body portion and terminating short of the inner surface thereof; means for securing the horn to said body portion; and a translating device, attached to the horn, located within the body portion at the open front thereof.

1,583,566. STARTING-CRANK SUPPORT. FRITZ AXELSON, Denver, Colo. Filed Sept. 14, 1925. Serial No. 56,171. 2 Claims. (Cl. 74—33.)



1. A device for holding a crank from rotating in one direction which comprises, in combination, a member having an opening adapted to receive one end of a crank, a projection extending from one side of the crank and a member having an eccentrically arranged surface adapted to be engaged by the projection and to act as a stop against rotation in one direction.

1,583,567. MECHANICAL TOY. JOHN JACOB BECKER, Maspeth, N. Y. Filed May 20, 1925. Serial No. 31,481. 6 Claims. (Cl. 46—47.)

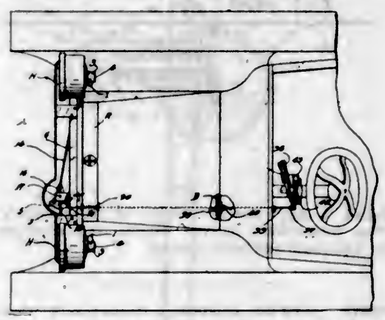


1. In a mechanical toy, the combination of a travelling carriage, rotatable wheels mounting said carriage, pulleys mounted on said wheels in fixed relation thereto and rotating therewith, a pair of substantially triangular shaped supporting brackets mounted on said carriage oppositely disposed at the opposite lateral edges of said carriage, a supporting bearing at the top of each of said brackets, a transverse shaft rotatably supported by said bearing on said brackets, a rotor having a series of radially disposed arms provided with enlarged ball ends at their outer extremities integral therewith and in fixed relation thereto carried by said shaft and adapted to rotate therewith, pulleys carried by said shaft in fixed relation thereto and rotatable therewith, and belts connecting said wheel carried pulleys with said last mentioned pulleys to rotatably actuate said shaft and rotor upon and by the travelling movement of the carriage.

1,583,568. LAMP SHADE AND PROCESS OF MAKING SAME. LEON L. BERKOWITZ, Philadelphia, Pa. Filed Aug. 7, 1924. Serial No. 730,771. 4 Claims. (Cl. 41—21.)

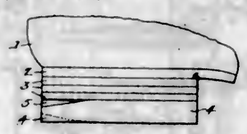
1. The process of making lamp shades bearing colored advertising matter, which comprises making a blank of rag paper for the shade body, then printing on the blank, then treating the paper by means of a bath of oil in order to convert the same into parchment, and then coloring the parchment.

1,583,569. HEADLIGHT MECHANISM. JAMES SUMNER BLANKENSHIP, Bend, Oreg. Filed Nov. 3, 1925. Serial No. 66,580. 2 Claims. (Cl. 240—61.)



1. A headlight mechanism comprising, in combination, a plate, a supporting means therefor, a rotatable member carried by the plate, a headlight secured to said member, means for limiting the rotary movement of the member in one direction, means for normally maintaining said member at such limit of movement, a rotary plate, an operative connection between the rotary plate and the member for imparting rotary movement to said member in the opposite direction, and means operable at will for moving the rotary plate in one direction.

1,583,570. WEDGE FOR RUBBER HEELS. CLARENCE Y. BOOTH, Wilmington, Del., assignor to Atlantic Manufacturing Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 23, 1923. Serial No. 658,924. 2 Claims. (Cl. 36—34.)

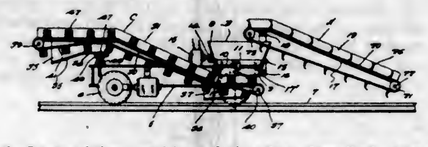


1. A filling-out wedge adapted for insertion between a rubber heel and the contiguous lift comprising a substantially wedge-shaped resilient element having affixed to and overlying one face thereof a rigid reinforcing member by means of which the wedge may be driven into place, and projections on said member adapted to prevent dislodgment of said element.

1,583,571. METHOD OF CLOSING OPENINGS IN RUBBER PRODUCTS. RICHARD S. BURDETTE, Akron, Ohio, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Jan. 6, 1922, Serial No. 527,350. Divided and this application filed Jan. 14, 1925. Serial No. 2,293. 6 Claims. (Cl. 18—53.)

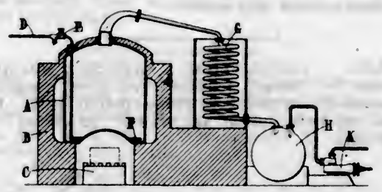
3. The method of closing an opening in a rubber product which comprises inserting a rubber plug within said opening, causing said plug to firmly engage the walls of said opening, and so heating the plug that heat is diffused from the interior central portion of the latter toward the engaging walls of the opening.

1,583,572. MINING MACHINE. ISADORE BURTON, Pittsburgh, Pa. Filed Feb. 26, 1925. Serial No. 11,825. 2 Claims. (Cl. 198—11.)



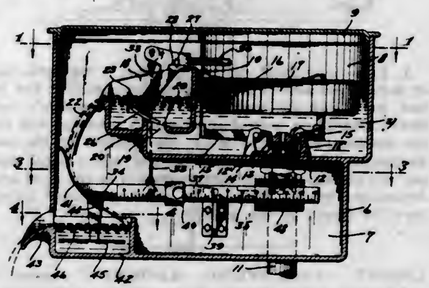
1. In a mining machine of the class described, a carriage, a chute mounted on the carriage including an upper rotatable portion and a lower stationary portion, means for turning the upper rotatable portion of the chute, a digging and conveying apparatus mounted on the rotatable portion of the chute, and a loading conveying mechanism rotatably mounted on the stationary portion of the chute therebelow.

1,583,573. PROCESS FOR THE PRODUCTION OF FUEL MIXTURES. THOMAS HOWARD BUTLER, Bristol, HERBERT WILLIAM ROBINSON, Cleobury Mortimer, and DERIC WILLIAM PARKES, Birmingham, England. Filed Dec. 21, 1925. Serial No. 76,846. 4 Claims. (Cl. 44—1.)



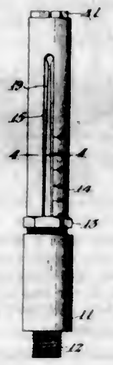
1. A process for obtaining a mixture containing pitch and fuel oil of the character set forth, which consists in distilling the said fuel oil together with coal tar, the residue from such distillation containing the desired mixture.

1,583,574. LIQUID-FLOW-MEASURING DEVICE. CLARENCE W. CARTER, Minneapolis, Minn. Filed Mar. 5, 1924. Serial No. 697,084. 14 Claims. (Cl. 137—78.)



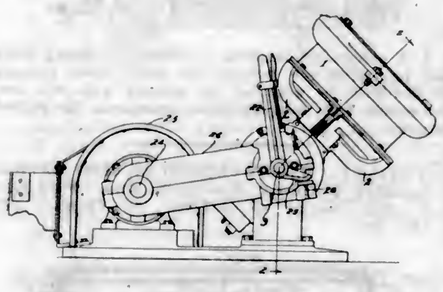
1. A liquid flow regulator comprising a liquid container having an overflow passage, a scale beam having an impact plate positioned in the path of the liquid flow from said overflow passage, means for maintaining a predetermined altitude of liquid within said container, and a valve operated by said scale beam and controlling the flow of liquid through said overflow passage.

1,583,575. GAUGE. CLARENCE J. CONERLY, Walnut Park, Calif., assignor to Purox Company, Denver, Colo., a Corporation of Colorado. Filed May 16, 1921. Serial No. 470,147. 5 Claims. (Cl. 73—151.)



1. A gauge for acetylene tanks comprising a transparent tube closed at its upper end; a body of acetone in the lower end of said tube; a body of acetylene above said acetone in said tube; and means by which the pressure of the acetylene in the tank acts upon said acetylene through said acetone.

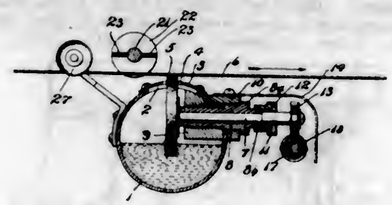
1,583,576. CENTRIFUGAL CASTING MACHINE. JAMES W. CONURN, Highland Park, Mich., assignor of one-fourth to Charles E. Wisner, Detroit, Mich. Filed Jan. 30, 1920. Serial No. 355,287. 22 Claims. (Cl. 22—65.)



1. In a centrifugal casting machine, a revoluble mold of hollow, cylindrical form having integral side and bottom walls and an open upper end, a removable cover therefor having a central opening of a dinmeter less than the distance across the mold, the rotation of the mold discharging excess material through the central opening, the thickness of the metal retained in the mold being determined by the distance to which the cover extends over the mouth of the mold.

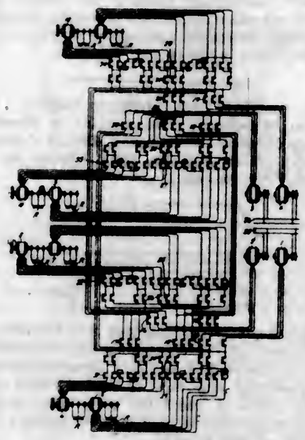
1,583,577. YARN-DYEING MACHINE. JOSEPH E. COLEMAN, Grand Rapids, Mich., assignor to William A. Ainsworth, Utica, N. Y. Filed Aug. 27, 1923. Serial No. 659,484. 5 Claims. (Cl. 8—19.)

1. In a device of the class described, a horizontally located tubular reservoir formed at its upper side with a slot paralleling the length of the reservoir, a member having a liquid absorbent face located in the reservoir with its upper portion projecting through the slot, means for mounting said member for rotation about an axis perpendicular to the axis of the reservoir, and means for driving said member from outside of the reservoir



including a shaft located outside of the reservoir and gearing connections located outside the reservoir between the shaft and said member.

1,583,578. POWER SYSTEM. CLARENCE T. CROCKER, RAY STEARNS, and LEWIS W. WEBB, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Oct. 18, 1923. Serial No. 669,408. 38 Claims. (Cl. 172—8.)



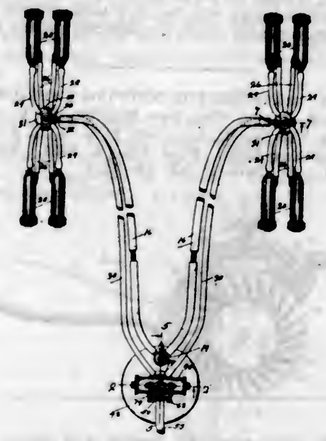
1. An electric power control system wherein a plurality of generators are arranged for supplying current to a plurality of motors through circuit connections controlled by switches and wherein means are provided for operating said switches, characterized by the fact that means are provided for selectively establishing and disestablishing mechanical connections between said switches and said operating means whereby said generators may be connected with said motors to produce different generator and motor combinations with the same operation of said operating means.

21. An electric switch operating means wherein a fluid pressure engine is arranged to be operated from two sources of compressed fluid characterized by the fact that means responsive to one source of compressed fluid are provided for stopping said engine in mid position when it is operated from said source and means responsive to the other of said sources are provided for stopping said engine at either end of its travel.

1,583,579. FOUNTAIN-PEN CAP. WILLIAM P. DE WITT, Somerville, Mass., assignor to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Mar. 24, 1923. Serial No. 627,351. 6 Claims. (Cl. 120—42.)

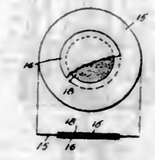
1. A metal cap for a fountain pen having, in combination, an inner metal tubular shell having an interior screw thread for a portion of its length only and a smooth bore in front and at the rear of said screw-threaded portion and an outer tubular metal shell enclosing said inner shell and having a straight bore projecting for a substantial distance beyond the open end of said inner shell.

1,583,580. MILKING APPARATUS. LAURITS DINESEN, Minneapolis, Minn. Filed June 6, 1921. Serial No. 475,229. 12 Claims. (Cl. 31—62.)



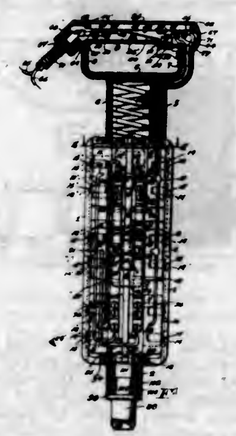
2. A pulsator comprising a cylinder and a piston having co-operating ports and means for reciprocating said piston and for oscillating the same at the limits of the piston's reciprocating movements, a suction pipe connected to certain of the cylinder ports, said pulsator having a base with a conduit through which said suction pipe is arranged to be connected to the interior of a milk receptacle, and a check valve in said conduit in the base of said pulsator, and certain of the cylinder ports being arranged for connection to teat cups.

1,583,581. TELEPHONE DIAPHRAGM. MANUEL D. DOMINGUEZ, New Orleans, La., assignor of one-half to Charles A. Denis and one-half to George Sarpy, both of New Orleans, La. Filed Mar. 19, 1924. Serial No. 700,247. 1 Claim. (Cl. 179—181.)



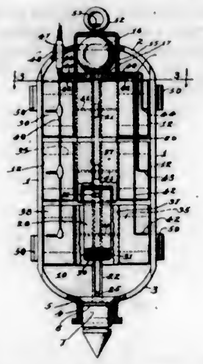
A diaphragm structure for telephones and like uses, comprising a non-magnetic diaphragm, plates secured at opposite faces of the diaphragm in spaced relation, and comminuted magnetic metal substantially filling the chamber provided by the plates.

1,583,582. ELECTRIC HAMMER. MANUEL D. DOMINGUEZ, New Orleans, La., assignor of one-half to Charles A. Denis and one-half to George Sarpy, both of New Orleans, La. Filed Apr. 26, 1924. Serial No. 709,260. 3 Claims. (Cl. 172—126.)



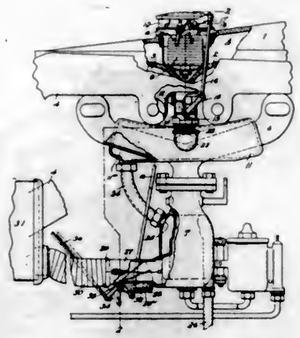
1. An appliance of the class described, comprising a casing, a plurality of electromagnets disposed longitudinally therein, longitudinal guide rods adjacent opposite casing walls and detachably secured in the casing, a hammer arranged to reciprocate in the casing, and lugs thereon having sliding engagement with the guide rods.

1,583,583. ELECTRIC HAMMER. MANUEL D. DOMINGUEZ, New Orleans, La., assignor of one-half to Charles A. Denis and one-half to George Sarpy, both of New Orleans, La. Filed May 12, 1924. Serial No. 712,782. 6 Claims. (Cl. 172—126.)



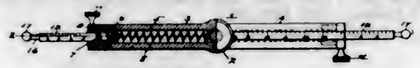
2. In electric hammering mechanism, a hammer comprising a hollow substantially cylindrical body of ferrous metal and a loading of heavier metal within the body.

1,583,584. CARBURETOR. GEORGE W. DONNING, Bridgeport, Conn. Filed Dec. 10, 1918, Serial No. 266,089. Renewed Sept. 25, 1925. 14 Claims. (Cl. 123—122.)



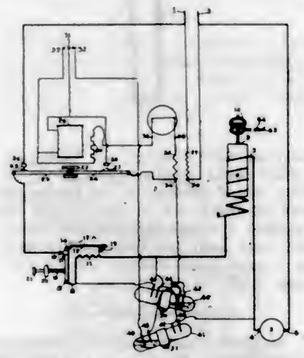
1. In combination with a motor having a firing-chamber, a carburetor, and intake and exhaust manifolds; a heating jacket associated with the intake-manifold; a conduit connecting the exhaust-manifold and the intake manifold heating jacket; a valve for regulating the passage of heating medium from the exhaust-manifold to the jacket; means directly influenced by the temperature of the firing-chamber for automatically actuating the valve, said means including a jacket on the firing-chamber; a thermostat disposed adjacent the firing-chamber and partially within the jacket at a point directly influenced by the temperature of the firing-chamber; and an operating connection mechanism between the thermostat and valve, said connection including a lost-motion mechanism which permits manual operation of the valve independently of the thermostat.

1,583,585. MEASURING AND CENTERING DEVICE. EDGAR A. EMERY, San Antonio, Tex. Filed Apr. 18, 1924. Serial No. 707,383. 5 Claims. (Cl. 33—86.)



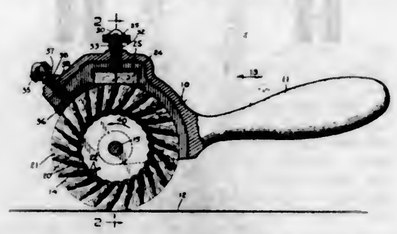
1. In combination, in a device of the character described, a body portion, oppositely extending spring-pressed plungers carried by said body portion, said body portion having a centrally disposed transverse centering screw threaded bore and a screw threaded rod longitudinally adjustable in said bore.

1,583,586. ELECTRICAL SAFETY CONTROL CIRCUITS FOR BURNERS OF EXPLOSIVE FUELS. FRANK FISCHER, Larchmont, N. Y., and ARNOLD FRANCIS VAN PELT, Interlaken, N. J. Filed Aug. 25, 1925. Serial No. 52,447. 11 Claims. (Cl. 158—28.)



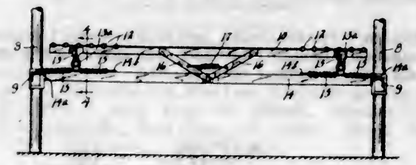
1. In an electrical control circuit for burners, the combination of a fuel-supply motor, an ignition-motor, and a time-limit cut-out, all connected in series, a heat-actuated switch for shunting out the time-limit cut-out, and a second heat-actuated switch for shunting out the ignition-motor.

1,583,587. MACHINE FOR NAPPING FABRICS. MORTIMER F. FLYNN, West New Brighton, N. Y., assignor to New Nap System, Inc., New York, N. Y., a Corporation of New York. Filed June 4, 1925. Serial No. 34,811. 13 Claims. (Cl. 26—32.)



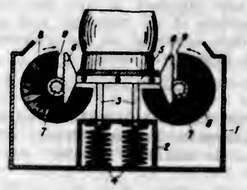
1. The combination of a housing with means for manual propulsion, a roller rotatably mounted in the housing, a plurality of napping members of suitable material mounted in the roller and means for resharpening and for applying a drag to said napping members, said resharpening and said drag applying means being supported in the housing so as to be in contact with all of the napping members during each revolution of the roller.

1,583,588. BED WITH RESILIENT SUPPORT FOR SPRING FRAMES. GERHART GANGELHOFF and MICHAEL JORDAN, Minneapolis, Minn. Filed Oct. 10, 1924. Serial No. 742,808. 12 Claims. (Cl. 5—210.)



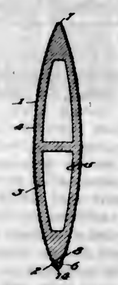
1. The combination with spaced side members of a bed frame and a bed spring frame, of a member extending transversely across said members carrying spaced pairs of coiled springs having their longitudinal axes extending substantially parallel to said member and resiliently supporting said bed spring frame.

1,583,589. BOOT-BRUSHING APPARATUS. BRUNO GRAPENTIN, Greifswald, Germany. Filed Aug. 17, 1925. Serial No. 50,739. 1 Claim. (Cl. 15—36.)



A boot brushing apparatus comprising in combination a casing, a spring-controlled foot plate in said casing, racks one on each long edge of said plate, two axles parallel to the long edges of said plate, a conical brush roll fixed on each axle said brush roll having a quadrant-shaped cut out portion extending in longitudinal direction, a pinion on each axle meshing with the corresponding rack of said foot plate so that, when said spring-controlled foot plate is depressed said pinions and with the same said brush rolls rotate and brush the boot, a brush for the toe, and a brush for the heel of the boot on the inner surface of the walls of said casing in front of and behind said foot plate.

1,583,590. HOSIERY DRYING AND SHAPING FORM. LYNN GRAY, Waupun, Wis., assignor, by mesne assignments, to Paramount Textile Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1921. Serial No. 455,088. 3 Claims. (Cl. 223—17.)

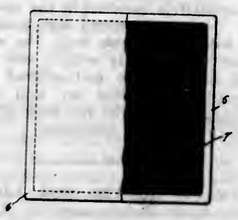


1. A drying and shaping structure for treating hosiery including a form provided with oppositely disposed crease-producing edges and with an L-shaped incut disposed adjacent one of the crease-producing edges, and comprising approximately right-angular, substantially flat walls to present angularly disposed surfaces including, respectively, a seam-seating surface and a seam-abutment surface extending in a plane approximately central of the form and terminating in a corner in substantial alinement with the crease-producing edge at the opposite portion of the form, and having the dual function of preventing dislocation of a seam of the stocking being boarded on the form and also of effecting a crease in the stocking adjacent its seam.

1,583,591. APPARATUS FOR TREATING LIQUIDS WITH GASES. WILLIAM E. GREENAWALT, Denver, Colo. Filed June 29, 1922. Serial No. 571,819. 2 Claims. (Cl. 261—87.)

1. In apparatus for treating liquid with gas, a tank adapted to contain liquid, a hollow rotary member having a continuous cylindrical peripheral wall journaled in the tank and submerged in the liquid, said rotary member having open hollow discharge passages with inclined top walls within the area enclosed by the peripheral wall of the hollow rotary member, a communicating channel between the interior of the hollow rotary member and the tank to permit the flow of liquid from the tank into the interior of the hollow rotary member, means for delivering gas into the interior of the hollow rotary member, said interior of the rotary member being arranged so that the gas and liquid will be ejected as a mixture through the discharge passages into the surrounding liquid in the tank.

1,583,592. INDURATED MATERIAL AND METHOD OF MANUFACTURING THE SAME. EMILE J. GUAY, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 15, 1921. Serial No. 492,624. 6 Claims. (Cl. 154—2.)

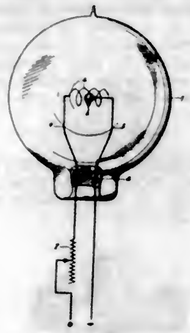


1. The method of manufacturing a material of the character described from spinnable textile woven fabric made from hard, twisted threads, and an adhesive binder, which comprises taking pieces of fabric and stacking them one on another with a surface coating of the adhesive in dry form between them, subjecting the stack to pressure, and then heating the stack to fuse the adhesive binder.

1,583,593. DISCHARGE TUBE WITH INCLOSED ARC DISCHARGE. GILLES HOLST, EKKO OOSTERHUIS, and JOHANNES BRUIJNES, Eindhoven, Netherlands, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabriken, Eindhoven, Netherlands. Filed Sept. 26, 1922. Serial No. 590,705. 6 Claims. (Cl. 176—122.)

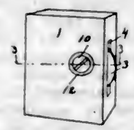
1. The method of operating an arc discharge lamp, which consists in supplying an excess of energy to the

anode above that theoretically necessary to maintain the arc, the excess energy imparting sufficient heat to the



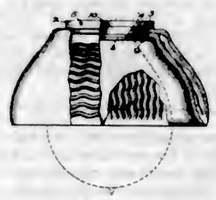
cathode to maintain said cathode above a minimum temperature of disintegration during operation.

1,583,594. LATCH FOR REMOVABLE PANELS. PAUL JACKSON, Saginaw, Mich. Filed Sept. 21, 1925. Serial No. 57,661. 1 Claim. (Cl. 292—194.)



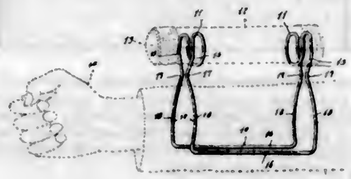
The combination, with a door having a removable panel, said door having narrow registering slots in the rails thereof, one of said slots disposed in slight angular relation to the other slot, an apertured rotatable latch member substantially equal in thickness to the width of said slots, said latch member mounted in one of said slots, a tumbler comprising a shank and a flat head, said head of thickness substantially equal to said latch member and operatively received in the aperture of said latch member, that rail in which said member is mounted having a hole in one side only, the shank of said tumbler projecting co-axially within said hole, and a bushing fitted to said hole and secured therein, said bushing comprising a bearing for said shank and a stop for engaging one side of the head of said tumbler to prevent its longitudinal movement.

1,583,595. SHADE HOLDER FOR LIGHT UNITS. WILLIAM H. JONES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 11, 1924. Serial No. 731,253. 2 Claims. (Cl. 240—128.)



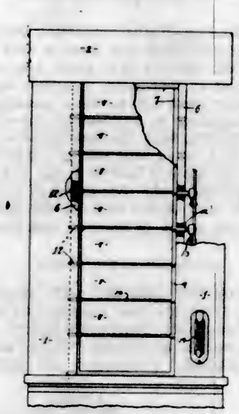
2. A shade for a light unit consisting of two separate glass elements each having a radial flange on one end and constructed so that one flange may rest upon the other, both elements being flaring in form, said elements constructed so that their rims on the opposite side of the flanges come together thereby forming a closure with a hollow space between the two elements, and means for clamping the two flanges together.

1,583,596. FLASH-LIGHT HOLDER. JESSE LACKLEN, Missoula, Mont. Filed Apr. 28, 1923. Serial No. 635,279. 1 Claim. (Cl. 240—52.)



A holder of the class described having two pairs of end members, said members at each terminal being spaced apart whereby grips are provided at each corner of the device, longitudinally extending arms joining the terminals of said members at one end, hooks joining the other terminals of the members, said hooks having their closed ends inwardly of the adjacent terminals and extending toward the arms.

1,583,597. PIVOTALLY-MOUNTED GLASS LOUVER. ISAAC L. LAFFERTY, Fredonia, Kans. Filed July 3, 1923. Serial No. 649,333. 1 Claim. (Cl. 20—62.)

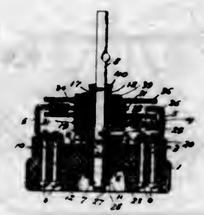


In a pivotally mounted glass louver, the combination of a frame and a plurality of U-shaped louver frames, said louver frames having a groove therein to receive a glass louver, glass louvers interposed within the grooves of said frames, a rabbet in rail 10 of said frames adapted to receive the upper edge of the glass of the adjacent louver, said frames having trunnions in axial alignment with said frame portion 10, said trunnions engaging in apertures in the jambs of first said frame, stops in parallel alignment with said apertures so that the ends of said louver frames will engage snugly thereon, arms rigidly mounted on the trunnions at one end of said louvers, said arms and actuating means being positioned on the opposite side of said jamb from said louvers, an operating lever rigidly mounted on one of said trunnions the end of which is pivotally connected to an actuating bar, and the opposite end of said lever protruding through the frame, a slot through which said lever will engage, the side walls of said slot being segmental, a spring actuated friction on said lever, said friction engaging on the said slot, all for the purpose described.

1,583,598. ELECTRIC SWITCH. GEORGE S. LEDDICK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Jan. 2, 1923, Serial No. 610,097. Divided and this application filed Sept. 26, 1924. Serial No. 740,112. 1 Claim. (Cl. 74—88.)

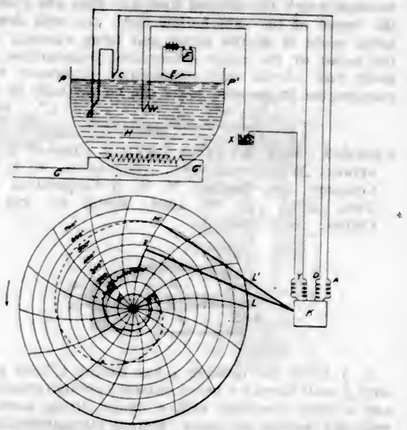
An electric switch comprising a shaft, switching mechanism located on said shaft, a handle attached to said shaft for operation thereof, a hand knob on said handle, a plate over the face of which the end of the handle slides, a leaf spring mounted on said handle and slidable over the back of said plate and extending opposite to said knob, the said plate having notches and holes corresponding to the notches, an extension from said spring adapted to successively engage said notches, a pin extending through said knob and movable through said holes and into engagement with the leaf spring to disengage said spring from said notches, the size and location of each hole with respect to the pin and corresponding notch being such as to permit the pin to hold the spring disengaged from a notch until the handle is moved beyond the point where the spring can engage said notch and to prevent the movement of the handle to a point where the spring can engage another notch without the withdrawal of the pin from said hole.

1,583,599. ELECTRIC SWITCH. GEORGE W. LIEBERUM, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Feb. 6, 1924. Serial No. 691,040. 2 Claims. (Cl. 200—66.)



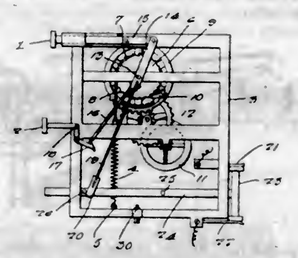
1. In a double action snap switch, the combination of an insulating base, a plate provided with spaced stops anchored to said base, an operating shaft journalled centrally of said spaced stops and provided with two crank projections, a movable pole member journalled upon said shaft, a spring surrounding said shaft within said pole member and engaging at both ends with said crank projections and with said movable pole member, a detent slidably engaging said pole member and having its operative end of a width to enter the space between any two of said stops with limited clearance, and an eccentric fixed to said shaft and engaging an aperture in the inner end of said detent.

1,583,600. MEANS FOR TESTING OIL. JOHN WHITE MCBURNEY, Youngstown, Ohio. Filed Aug. 29, 1922. Serial No. 585,106. 6 Claims. (Cl. 73—50.)



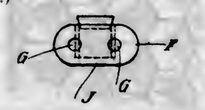
1. In a device for testing oil, thermo-couples so placed that they will be affected by the difference in temperature within a body of oil and at a point just above the surface of the oil, and temperature indicating means.

1,583,601. DELAYED-ACTION ELECTRIC SWITCH. HAROLD U. MITCHELL, Medford, Oreg. Filed Jan. 21, 1926. Serial No. 82,721. 5 Claims. (Cl. 200—35.)



1. In a delayed action electric switch and in combination, a frame, a movable circuit breaker, a movable operative controlled element, and slow moving mechanism arranged to be set in motion by the movement of the operative controlled element; said mechanism including a projection on the frame, a spring strip movable with said slow moving mechanism, and a head on the strip and adapted to bring up against said projection for the tensioning of the spring strip and also adapted after said tensioning to bring about sudden release of the head from the projection, whereby the head will be impelled against the circuit breaker for the movement of the latter.

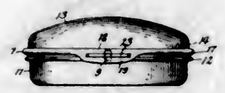
1,583,602. LEAD SEAL. EUGENIO DE LAS HERAS MOLINA and LUIS BONET ALCANTARILLA, Jaen, Spain. Filed Feb. 14, 1923. Serial No. 618,983. 1 Claim. (Cl. 292—308.)



A safety seal consisting of a hollow body of ductile metal having an open recess therein forming a surrounding peripheral wall, in which recess the knots or ends

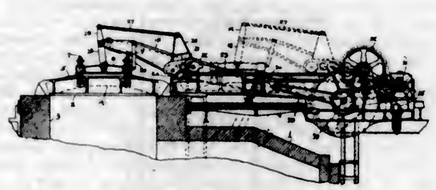
of the binding cord may be inserted, the inner face of the said surrounding peripheral wall being irregularly formed, means in the said surrounding peripheral wall through which the binding cord may pass and a cover for the recess of the said hollow body, the said cover also being made of ductile metal and being adapted so that the metal of the cover enters the irregularities on the inner face of the said surrounding peripheral wall on compression of the said cover and hollow body in sealing.

1,583,603. BOX-OPENING DEVICE. HENRY L. NENNSTIEHL, Wilmington, Del., assignor to F. F. Dalley Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed July 25, 1924. Serial No. 728,140. 4 Claims. (Cl. 220—43.)



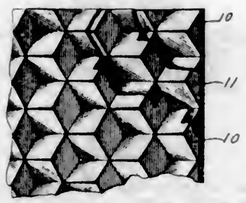
1. A device for opening a box having a body provided with a wall having a lower external circumferential bead, and a cover provided with a flange fitting around said wall and having an upper external circumferential bead, said device comprising a band adapted to encircle said upper bead, and a cam pivotally mounted on said band and adapted to engage said lower bead.

1,583,604. COVER-OPERATING MECHANISM. WILLIAM S. ORR, Massillon, Ohio, assignor to The Central Steel Company, Massillon, Ohio, a Corporation of Ohio. Filed Oct. 14, 1924. Serial No. 743,574. 15 Claims. (Cl. 110—176.)



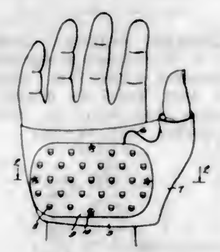
14. In mechanism of the character described, the combination of a horizontally movable cover; a frame reciprocable towards and from the normal closed position of said cover; two cradles resiliently attached to said cover adjacent the respective sides thereof; and links connecting said frame with said cradles.

1,583,605. COMB FOUNDATION. HUBER H. ROOT, Medina, Ohio, assignor to The A. I. Root Company, Medina, Ohio, a Corporation. Filed Sept. 11, 1922. Serial No. 587,393. 4 Claims. (Cl. 6—11.)



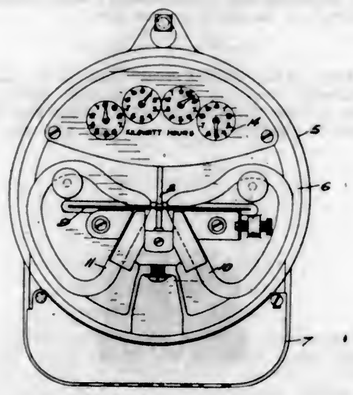
1. Comb foundation comprising blended vegetable wax and beeswax, the composite being acceptable to the bees.

1,583,606. PALM GRIP. WILLIAM HERBERT ROUSSEL, San Francisco, Calif. Filed Sept. 5, 1923. Serial No. 661,121. 1 Claim. (Cl. 294—25.)



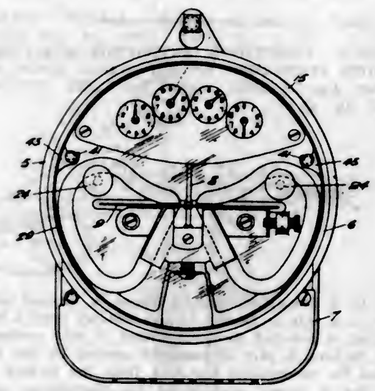
A device of the character described, comprising a strap-like member having a truncated thumb sleeve and of a length to extend around the hand with its inner longitudinal edge overlying the wrist and its ends overlapping one another, means for securing the ends in overlapping relation, and a plate secured to the strap-like member intermediate of its ends and adjacent to the inner longitudinal edge of the member so as to partly overlie the wrist, said plate being provided with short prongs or teeth punched out of the plate and distributed over its whole surface, the prongs or teeth being inclined to the plane of the plate and in direction of the inner edge of the said member.

1,583,607. ELECTRIC-METER-PROTECTING MEANS. GEORGE H. SAUTON, New Orleans, La., assignor of one-sixteenth to Edward H. Walsdorf and one-sixteenth to Louis Hufft, both of New Orleans, La. Filed Aug. 18, 1922. Serial No. 582,670. 4 Claims. (Cl. 171—34.)



4. The combination with an electric meter having a casing with front and rear closure devices having openings therein, a magnetically controlled movable member within the casing and registering mechanism actuated by the said member, of protecting means within the casing adjacent to opposite portions of the said member to prevent reaching the latter from the exterior of the casing, and connecting rods extending transversely through the casing and the front and rear closure devices and also through the protecting means and completely filling and covering the openings through the front closure device and permanently secured against the rear closure device.

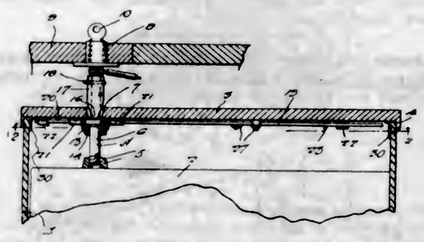
1,583,608. ELECTRIC-METER-PROTECTING MEANS. GEORGE H. SAUTON, New Orleans, La., assignor of one twenty-fourth to Charles F. A. Heltkamp, one twenty-fourth to Simon A. G. Heltkamp, and one twenty-fourth to Oscar R. L. Heltkamp, all of New Orleans, La. Filed Aug. 4, 1924. Serial No. 730,034. 13 Claims. (Cl. 171—34.)



1. The combination with an electric meter having registering mechanism and a movable part magnetically controlled to effect registration of the amount of current passing through the meter and used, of protective means disposed adjacent to oposite portions of the said movable part both at the rear and front portions of the latter and resisting boring operations to prevent tampering with said part from the exterior of the meter.

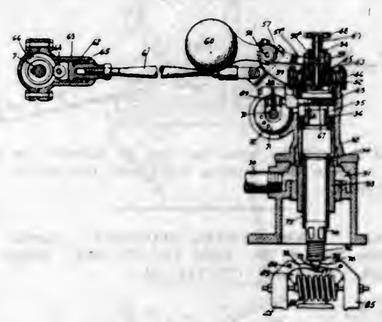
13. The combination with an electric meter having an enclosing casing, registering mechanism and a magnetically-controlled movable part for actuating said mechanism, of protecting means within the casing and arranged to shield said movable part and prevent tampering therewith from the exterior of the casing.

1,583,609. BATTERY BOX AND CIRCUIT LOCK. AUGUSTUS P. SAYERS, North Tazewell, Va. Filed June 13, 1925. Serial No. 36,999. 2 Claims. (Cl. 136—181.)



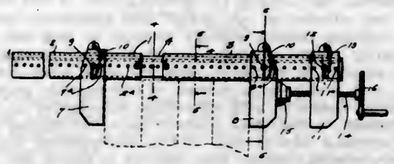
1. A device of the class described comprising a casing for receiving a battery, a cover for said casing, a contact bar movably mounted in said cover and adapted for detachable engagement with the terminal on said battery, locking members mounted on the cover for cooperation with the casing to lock the cover thereon, and key controlled means for operating said locking members and terminal bar for locking the cover on the casing and locking said terminal bars in disengaged relation with the terminal of the battery.

1,583,610. GOVERNING MECHANISM FOR PRIME MOVERS. PAUL H. SCOTT, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 26, 1925. Serial No. 11,880. 4 Claims. (Cl. 264—14.)



4. In a governing mechanism comprising an axially movable member for effecting adjustment of the setting of the mechanism, the combination with such axially movable member of two engaging threaded members, one of which is attached to said axially movable member, means for holding the other threaded member frictionally from turning, a motor, means connecting the motor to the threaded member which is attached to the axially movable member for turning it whereby there is effected axial movement of it, and stops on the threaded members for limiting such axial movements, said two threaded members both turning when the stops are in engagement.

1,583,611. DETACHABLE EXTENSION CLAMP. BENJAMIN W. SEELY, Pensacola, Fla. Filed Aug. 26, 1924. Serial No. 734,308. 3 Claims. (Cl. 144—299.)

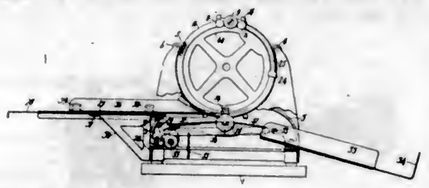


1. A clamp comprising a bar embodying terminal sections of hollow U-shaped formation in cross section and an intermediate section of solid U-shaped formation in cross section, the intermediate section being received by the terminal sections slidably to permit the length of the bar to be varied, means adapted to secure the sections against movement with respect to each other, jaws carried by the bar, a bracket carried by the bar, and a pressure screw carried by the bracket.

1,583,612. STENCILING MACHINE. JAMES E. SHAVER, Jr., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 26, 1923. Serial No. 641,533. 22 Claims. (Cl. 101—114.)

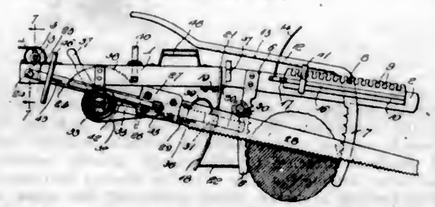
1. In a duplicating machine, the combination with a revoluble cylinder, of an escapement mechanism comprising a pair of lugs mounted on the cylinder, means actuated by one lug to place an obstruction in the path

of the other lug to arrest the movement of the cylinder, means to adjust the lugs around the cylinder to determine the point to be stopped, and a scale adjustable



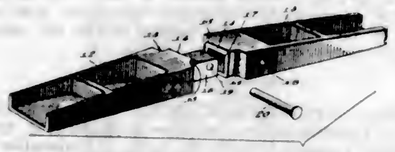
around the cylinder with the lugs to indicate the distance between the stopping point and the top of the stencil-sheet.

1,583,613. WOOD-SAWING MACHINE. DANIEL W. SMITH, Bangor, Me. Filed Apr. 27, 1925. Serial No. 26,231. 3 Claims. (Cl. 143—61.)



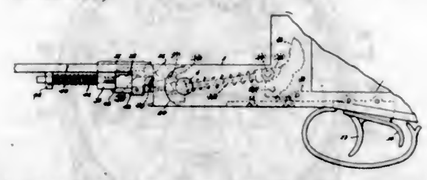
1. A sawing machine comprising an elongated supporting bar, a rack bar on the front end of said supporting bar, a stationary jaw fixed to said supporting bar and projecting laterally therefrom at substantially right angles thereto and in an opposite direction from the teeth of said rack bar, a substantially right angular movable jaw having a fulcrum at its angle adapted to be adjustably engaged with said rack bar, one arm of said jaw projecting laterally from said supporting bar, parallel to and in co-operative relation with said stationary jaw to grip the trunk of a tree, the other arm of said movable jaw extending rearwardly along said supporting bar to form an operating lever, a saw-carrying arm pivoted on one end of said supporting bar, a saw-carrying carriage slidably mounted on said arm, an operating handle pivotally connected with said carriage and adapted to be folded along the same when not in use, said handle being formed in telescopically engaged sections, means on said supporting bar adapted to hold said handle in its folded position, means for holding said saw-carrying arm in line with said supporting bar to form a compact bundle when the saw is not in use, and a hand grip attached to said supporting bar for carrying the saw when the parts are in their inoperative positions.

1,583,614. CLEAT FOR CONVEYER CHAINS. DRAKEFORD LEWIS SMITH, Vernonia, Oreg. Filed Feb. 21, 1925. Serial No. 10,907. 1 Claim. (Cl. 198—176.)



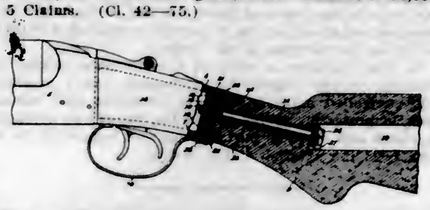
A cleat for conveyer chains consisting of two endwise abutting sections having at their abutting ends a reduced extension on one section and a socket in the other section adapted to receive said extension, said sections having at the opposite sides of their said abutting ends recesses forming grooves adapted to receive the sides of a chain link when the said sections are engaged with one another through such link, the said abutting ends of the sections being otherwise solid and the said extension of one section snugly interfitting and completely filling the socket of the other section, and a rivet extending transversely through the extension of one section and through the end of the other section whereby to rigidly unite the solidly joined ends of the sections as described.

1,583,615. CARTRIDGE EXTRACTOR FOR BREAK-DOWN FIREARMS. LOUIS P. SMITH, Ithaca, N. Y. Filed Aug. 27, 1925. Serial No. 52,895. 10 Claims. (Cl. 42—48.)



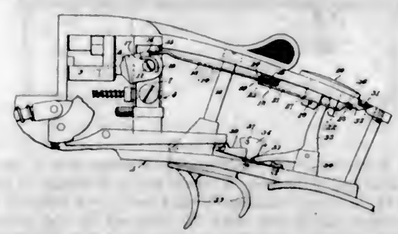
1. In a break-down gun, a frame, a forcend pivoted thereto, a pair of ejector kickers slidably carried by the forcend, a retainer for each kicker, a sear common to both kickers, a pair of hammers carried by the frame, means for disengaging the sear from the kickers when the gun is broken, and means for disengaging the retainers from the kickers after the hammers have been moved to their fired positions, when the gun is broken.

1,583,616. GUNSTOCK FASTENING. LOUIS P. SMITH, Ithaca, N. Y. Filed Aug. 27, 1925. Serial No. 52,896. 5 Claims. (Cl. 42—75.)



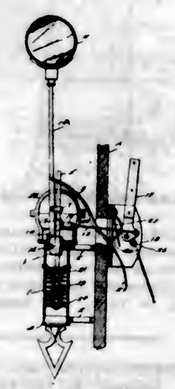
1. In a device of the type described, a gun frame having a pair of mortise cuts at its rear end, a stock bifurcated at its front end and having tenons formed on the end faces of the furcations to be received in the mortise cuts, and means for drawing the frame and stock together.

1,583,617. SAFETY MECHANISM FOR FIREARMS. LOUIS P. SMITH, Ithaca, N. Y. Filed Aug. 27, 1925. Serial No. 52,899. 5 Claims. (Cl. 42—41.)



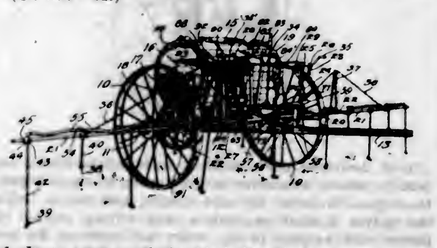
1. In a device of the type described, a frame, a barrel lock actuating post journaled therein, a lateral pin carried by the post, a push bar engaging the pin to be moved longitudinally when the post is rotated in one direction and to remain in such moved position when the post is returned, a safety button having a fork slidable in a slot in the frame, a spring member for retaining the fork in the said slot and operatively connecting it to the push bar, a lever engaging said fork to be pivoted by the movement of the latter, a trigger pivoted to said frame, and a bolt operated by the lever for holding the trigger in its cocked position.

1,583,618. SIGNAL. WARREN S. SMITH, Bangor, Pa. Filed May 20, 1925. Serial No. 31,668. 5 Claims. (Cl. 114—47.)



1. A signal for motor vehicle comprising a casing, a vertically movable rod therein, a bracket attached to the rod, a signal arm attached to the bracket, the upper part of the casing having a vertical slot through which the arm extends, a horizontal part in the casing having a hole therein through which the bracket moves, said horizontal part holding the arm in horizontal position when the bracket is in raised position and acting to move the arm into vertical position when the bracket is being lowered and a hand operated member for moving the rod.

1,583,619. SPRAYER. ERNEST W. SPLITTSTOSER, North Branch, Minn., assignor to The Splittstoser Company, North Branch, Minn., a Corporation of Minnesota. Filed Dec. 26, 1922. Serial No. 608,903. 17 Claims. (Cl. 299—42.)



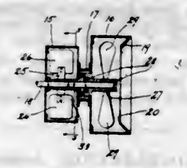
1. In a sprayer of the kind described having a vertically and endwise adjustable horizontally disposed boom, spraying nozzles carried by the boom, and foot-controlled means for endwise adjusting the boom.

1,583,620. GLOVE. OBIE W. STARKS, Irondale, Ohio. Filed Oct. 19, 1923. Serial No. 669,556. 2 Claims. (Cl. 2—161.)

1. In a glove the combination of a hand receiving portion including individual fingers for the hand and an individual thumb receiving portion, a gauntlet connected to the hand receiving portion, and a durable wear protecting covering of one piece of material placed across the palm of the hand receiving portion to cover the same and extend across the finger extensions, said protecting covering including web portions arranged intermediate the adjacent finger extensions of the hand receiving portion to permit the maximum extension and spread of the fingers, said protection portion having tabs

at the upper marginal edge thereof bent over and rearwardly upon the finger portions of the hand receiving portion and stitched at their free ends to the rear of the individual finger portions, said protecting covering at the opposite sides of the hand receiving portion being bent rearwardly upon the hand receiving portion and stitched thereto and enclosing the thumb portion of the hand receiving portion.

1,583,621. AUTOMOBILE EXHAUST GENERATOR PROPULSION. REUBEN STEINBERG, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,739. 1 Claim. (Cl. 60—102.)

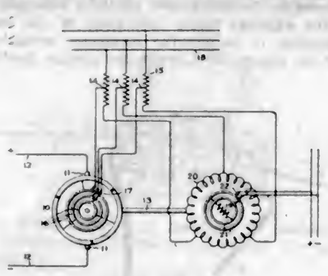


A device of the class described used in combination with combustion engines and comprising a casing and an additional larger casing connected by a sleeve, said casings having a common axis, a shaft passing axially thru said casings, a fan rigidly mounted on said shaft in the smaller casing, the fan blades of said fan being curved longitudinally, the larger casing having an opening at the side, a fan rotatably mounted on said shaft in the larger casing, a hub, angular fan blades on said hub, a flange on said hub, a resilient tongue on the face of said flange, a collar secured to said shaft, a flange on said collar adjacent the flange of the hub member, a plurality of teeth on the face of the first-named flange, said teeth being adapted to be engaged by the resilient tongue, said teeth when engaged by the tongue being adapted to rotate the flange thru the medium of the fan blades in the larger casing.

1,583,622. AUTOMATIC PHASE-SHIFTING APPARATUS. CHARLES P. STEINMETZ, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,458. 3 Claims. (Cl. 175—364.)

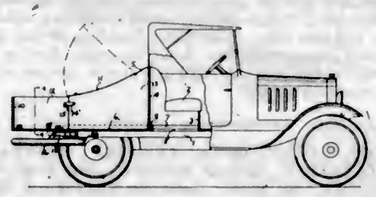
1. Electrical apparatus comprising a commutator, direct current brushes bearing thereon, a synchronous mo-

tor for causing relative synchronous rotation between said brushes and commutator, an alternating current line, and an auto-transformer connected in series relation



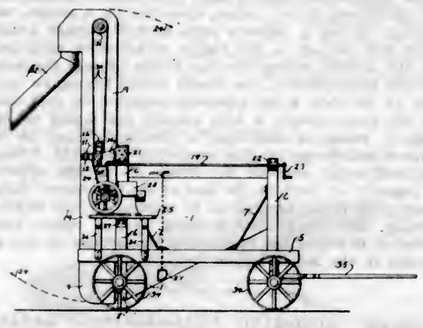
between said line and synchronous motor and having intermediate points of the winding of said transformer connected to said commutator.

1,583,623. EXTENSIBLE CARRIER FOR PLEASURE CARS. HILTON S. STERN, Houston, Tex. Filed Jan. 13, 1925. Serial No. 2,210. 2 Claims. (Cl. 296—26.)



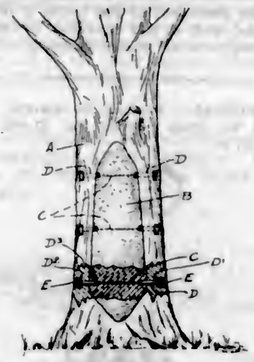
1. A convertible pleasure car and truck comprising a car frame and a body thereon in combination with a bar spaced above said frame, parallel therewith to form a guide, a supporting member slidable longitudinally in said guide, a rear wall thereon and side walls adjacent the rear end of said member adapted to be folded out of the way when said member is in forward position.

1,583,624. GRAIN ELEVATOR. JOSEPH A. STROMQUIST, McPherson, Kans. Filed Mar. 23, 1925. Serial No. 17,591. 2 Claims. (Cl. 198—115.)



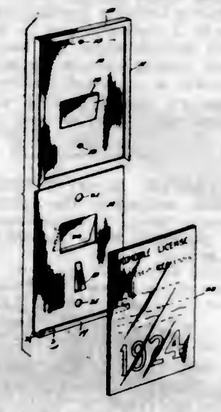
1. A spider bracket for pivotally supporting a grain elevator housing, comprising leg elements projecting from a central hub portion carrying two axially aligned spindles on opposite sides of said hub, and teeth formed on a portion of said hub element.

1,583,625. TREE-REPAIRING DEVICE. FREDERICK J. STUBING, Sr., White Plains, N. Y. Filed Apr. 24, 1925. Serial No. 25,555. 7 Claims. (Cl. 47—8.)



5. In the art of tree filling, means to facilitate the insertion of a concrete filling in sections, and to support independently the sections, including plates arranged transversely of the cavity, and upon which the sections of concrete may be built, and means to support the plates.

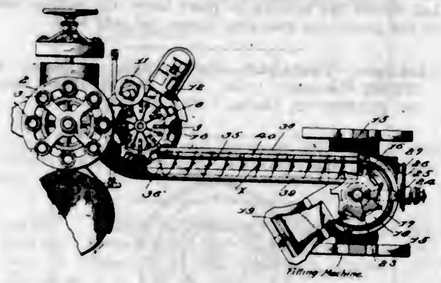
1,583,626. IDENTIFICATION TAG. HARRY J. SWARTS, Tulsa, Okla., assignor to De Forcest Corporation, Tulsa, Okla., a Trust Association of Oklahoma. Filed Feb. 2, 1925. Serial No. 6,354. 5 Claims. (Cl. 40—10.)



1. A device of the character described including companion slidably assembled plates having mating flanges, a front pane encircled by said flanges, and means locking the plates against separation and tilting one of the plates with respect to the other for pressing the pane toward said flanges.

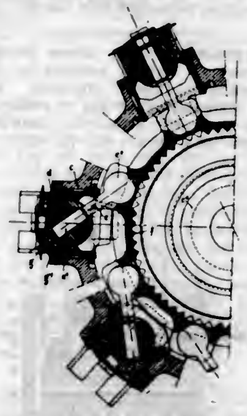
1,583,627. COMBINED FILLING AND CLOSING MACHINE. JOHN C. TALIAFERRO, Baltimore, Md., and ALFRED L. KRONQUEST, Chicago, Ill., assignors to Continental Can Company, Syracuse, N. Y., a Corporation of New York. Filed June 28, 1921. Serial No. 481,126. 12 Claims. (Cl. 226—75.)

1. A combined filling and closing machine comprising a filling machine having a framework, a curved stationary support carried by said framework along which the cans may be slid, rotating arms for sliding the cans along said support, a closing machine, a straight-line support leading from said filling machine to said closing machine, the framework of said filling machine being cut away so that said straight-line support may extend into said filling machine to a point where it is tangentially in alinement with said curved support, and means



extending beneath the arms of said filling machine and along said straight-line support for receiving the timed filled cans from the rotating arms and moving the same along said straight-line support and into the closing machines, whereby said cans are transferred from the filling machine to the straight-line conveying means without lateral movement.

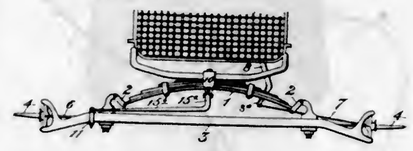
1,583,628. COUPLING AND ENTRAINING DEVICE FORMING A SPEED REGULATOR. MARCEL VUILLERME, Velizy-Villacoublay, France. Filed Aug. 31, 1922. Serial No. 585,489. 4 Claims. (Cl. 64—89.)



1. A speed-regulating coupling connecting two shafts, comprising an external ring connected with one of said shafts, an internal ring connected with the other of said shafts, heavy masses slidable radially in said external ring by centrifugal force, and links having pivotal connections with said masses and with said internal ring.

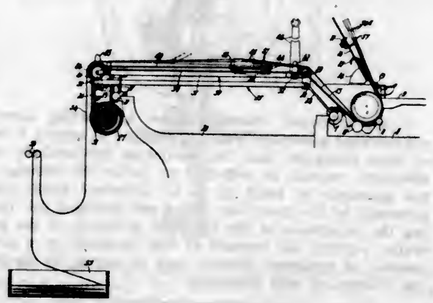
1,583,629. STEERING ATTACHMENT. JOHN F. WAGNER, Oriska, N. Dak. Filed Apr. 3, 1923. Serial No. 629,664. 8 Claims. (Cl. 267—66.)

1. In a device of the character described, the combination with a chassis having a spring mounted thereon, and a body supported on the spring at a material distance above the chassis to permit the body to yieldingly move up and down relatively to the chassis, said body being also adapted to move laterally on the chassis; a brace rod with its upper end pivotally connected to said body at approximately the centre thereof and extending diagonally downward and outward with its lower end pivotally connected to the chassis at one side thereof; steering mechanism for the chassis; an operating crank bar for said steering mechanism, said bar being carried by said laterally movable body and consequently movable therewith; and a pitman for connecting said crank bar with the steering mechanism, said brace rod being adapted to yield under compression and being on the op-



posite side of the chassis from the pitman whereby the yielding of the brace rod under compression permits the body to move laterally toward one side of the car, and the downward movement of the supporting spring permits it to move toward the other side of the chassis; and also whereby said brace rod and spring arrest the lateral movement of the body in both directions and yieldingly restore it to its normal position on the car, and thus relieve the pitman of appreciable strain in either direction.

1,583,630. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 26, 1923. Serial No. 647,788. 20 Claims. (Cl. 197—126.)

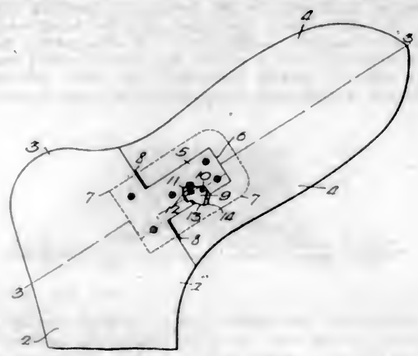


1. In a typewriting machine, in combination with a movable carriage, feed-rolls to feed a continuous pack or fan-folded web of carbon-interleaved work-sheets divided into work-sheet sections underneath and around a platen, a container for said work-sheets, co-operative restraining members to regulate forward movement of said work-sheets, a sub-base in the rear of said machine, a movable sub-frame supported by said sub-base and said carriage to move with the latter, and a work-presenting frame mounted upon said sub-frame to the rear of said carriage and movable therewith to support said work-sheets, said work-presenting frame being pivoted at one end.

1,583,631. STOCKING FORM. HARRY F. WANAMAKER, Jr., and ARTHUR M. GALLAGHER, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 3, 1923. Serial No. 629,719. 5 Claims. (Cl. 223—19.)

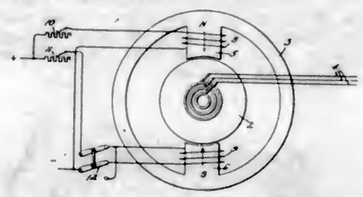
1. The combination in a stocking form, of a body section having a leg and a heel portion and terminating

beyond the heel; a toe section, the inner end of which abuts the onter end of the body section; a tongue on one of said sections, the other section having a recess



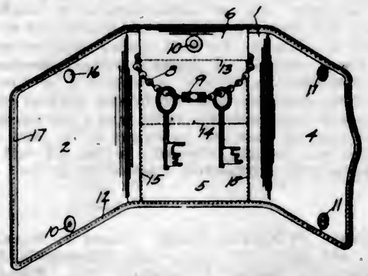
corresponding in width to the tongue, one wall of the recess having a notch; and a latch on the tongue engaging the notch in the walls of the recess.

1,583,632. VOLTAGE-REGULATING SYSTEM. WILHELM WEILER, Niederschonhausen, Germany, assignor to General Electric Company, a Corporation of New York. Filed Apr. 27, 1923. Serial No. 635,023. 8 Claims. (Cl. 171—119.)



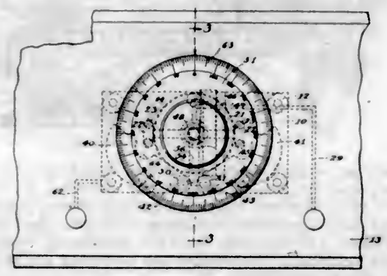
1. A regulating system for an alternating current synchronous generator which is adapted to supply a load of such character that the excitation produced by the armature current is sufficient to cause the voltage of the generator to build up to an abnormal value, characterized by the fact that means are provided for varying the reluctance of the magnetic structure of the generator whereby the amount of flux produced by a given amount of armature current may be varied to regulate the voltage of said generator.

1,583,633. KEY CASE. WILLIS H. WEISSBROD, Greenfield, Mass. Filed Dec. 1, 1925. Serial No. 72,467. 4 Claims. (Cl. 150—40.)



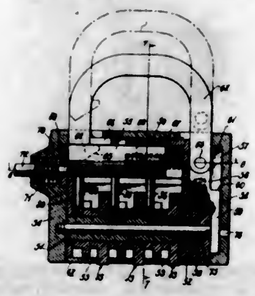
1. As an improved article of manufacture, a key case comprising a flexible body having articulated flaps, a flexible backing of substantially the same width as said body, and turned over at the top to form a passageway which extends across said body with front and back sides which are continuous and unbroken, means to fasten said backing to said body, which means passes through the turned-over part of the backing near the bottom edge thereof, a key-supporting element extending through said passageway, out through the ends thereof, and across the backing in front above the bottom edge of the same, and fastening means for said flaps.

1,583,634. VARIABLE CONDENSER. THOMAS E. WHITE, Waterbury, Conn. Filed May 17, 1924. Serial No. 713,906. 11 Claims. (Cl. 250—41.)



1. In a variable condenser, a single series of spaced stator plates, a plurality of series of spaced movable plates adapted to be moved into relation with said first plates, each series occupying a different segment of the spaces between said first plates, each series having a number of plates corresponding to the number of said spaces, and means for moving said movable plates into and out of relation with said first plates.

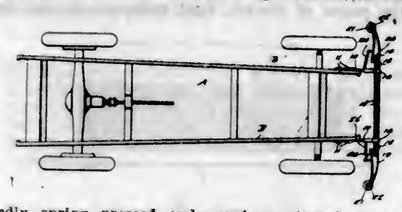
1,583,635. KEYLESS LOCK. MEADE WILDRICK, Honolulu, Territory of Hawaii, assignor to W-H Keyless Lock Company, Limited, Honolulu, Territory of Hawaii, a Corporation of the Territory of Hawaii. Filed Nov. 14, 1924. Serial No. 749,923. Renewed Jan. 7, 1926. 10 Claims. (Cl. 70—113.)



1. In a keyless lock, the combination of a housing; a plurality of permutation wheels rotatably mounted in said housing, each of said wheels being provided with a reduced axially extending hub having a raised annular flange thereon, each flange having a passageway extending through it; and a longitudinally slidable bolt mounted for movement in said housing in a plane parallel to the axis of said wheels, having lateral projections adapted to move through said passageways from one side to the other of said flanges.

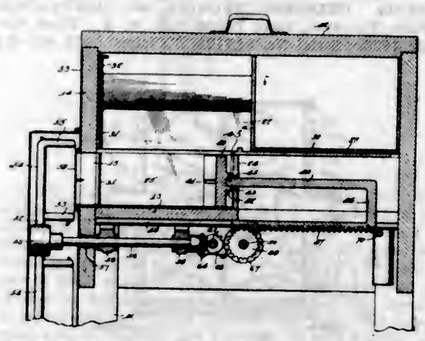
1,583,636. AUTOMOBILE BUMPER. PAUL WILLIAMS, Los Angeles, Calif. Filed Aug. 10, 1925. Serial No. 49,438. 3 Claims. (Cl. 293—55.)

1. A vehicle bumper structure comprising a pair of spring supporting arms adapted to be mounted upon the forward end of the frame bars of a vehicle chassis, supporting members carried by said arms, forward and rear bars mounted within said supporting members, and rear-



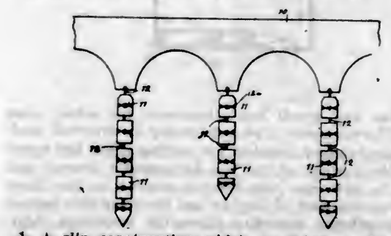
wardly spring pressed end members pivoted upon the forward bar and engageable with the ends of the rear bar.

1,583,637. REFRIGERATED-BUTTER-CUTTING MACHINE. REGINALD WILSON, New York, N. Y. Filed Mar. 2, 1925. Serial No. 12,635. 2 Claims. (Cl. 31—20.)



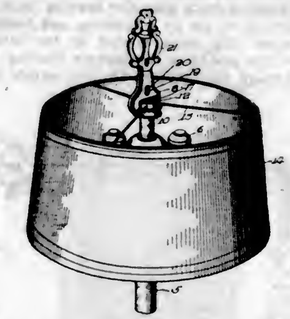
1. In a machine for subdividing a print of butter, including a casing, a lining member removably mounted in the casing subdivided to provide a compartment having an open top and an open end, the casing having an opening with which said open end is adapted to register, and means formed in the opening in the casing for subdividing the print when forced therethrough, a follower for forcing the print therethrough mounted in the compartment for longitudinal movement, the remaining subdivisions of the removable lining member constituting spaces for the reception of a refrigerant and a supply of butter prints, the removability of the lining member permitting of its withdrawal for the purpose of cleansing or storing the contents in a refrigerator when the machine is not in use.

1,583,638. SLIP CONSTRUCTION. YACOUB OHANES ZADIGIAN, Union Hill, N. J. Filed June 10, 1925. Serial No. 36,158. 4 Claims. (Cl. 61—48.)



1. A slip construction which comprises a plurality of separate pontoons independently anchored to the bottom and forming a wall or pier of the slip, and a flexible means connecting adjacent pontoons.

1,583,639. SHADE HOLDER. JOHN F. ZISKA, Chicago, Ill. Filed Jan. 9, 1926. Serial No. 80,155. 8 Claims. (Cl. 240—128.)



1. A shade-holder comprising a retaining member provided with means whereby it may be secured to a support and with an open sided slot to permit lateral placement of the ring of a shade-frame into the member and its withdrawal therefrom, and means for holding the ring in the member.

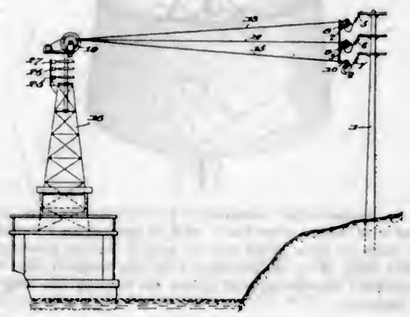
1,583,640. GOVERNOR. JACOB ZITZERMAN, Brooklyn, N. Y. Filed June 25, 1923. Serial No. 647,577. 5 Claims. (Cl. 264—18.)

5. In a centrifugal governor, the combination with the governor shaft, and the stationary and movable collars thereon, said collars being provided with sockets, of a plurality of weight carrying governor arms having their ends in the sockets of the collars, each arm comprising a coiled spring having a bushing in each end, the bushings being provided with openings in their sides and notches in their ends, an elastic wire passing loosely through the spring and having hooks on its ends engaging the notches of the bushings, and a screw mounted in each collar and having its end extending through the opening of the bushing and engaging the spring.

1,583,641. POWER-TRANSMISSION SYSTEM FOR BOATS AND THE LIKE. ARCH UPSHAW AVERA, Florence, Ala. Filed May 24, 1923. Serial No. 641,103. 5 Claims. (Cl. 191—12.)

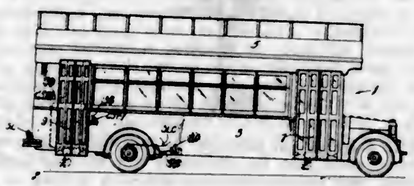
1. In a system for transmitting power to vehicles, a vertical shaft rotatably mounted on the vehicle to which power is to be transmitted, a platform mounted on the shaft in fixed relation thereto, cable drums mounted on said platform, a common driving shaft for said drums mechanically and electrically connected thereto, insulators interposed in said shaft between the drums, bearings

for the shaft on both sides of each drum, insulating supports for the bearings extending through said platform, certain of said insulators being provided with central openings extending from near the bearing to a point below the platform to act as a covering and bushing for a conductor cable, slip rings carried by the said vertical shaft below the platform, conductors leading from the slip-rings through the openings in said certain insulating



supports to the driving-shaft bearings supported thereon, brushes for collecting current from said slip-rings, a driving motor for said driving shaft, a driving belt of insulating material mechanically connecting said motor with said driving shaft, a second set of slip rings on said vertical shaft, conductors passing through said shaft and electrically connecting said slip rings with said driving motor, and a set of brushes for supplying current to said motor slip rings.

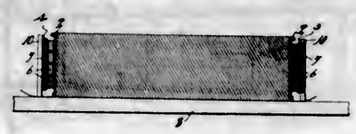
1,583,642. AUTOMOTIVE VEHICLE. RUFUS W. BAILEY, Kansas City, Mo. Filed May 18, 1925. Serial No. 30,901. 63 Claims. (Cl. 303—6.)



1. A control system for vehicles comprising an air reservoir, main reservoir pressure lines connected therewith, variable pressure lines connected with said reservoir lines, relayed high pressure lines adapted to receive air from said reservoir lines when said variable pressure lines are above a given low pressure, said relayed lines being adapted to distribute air to various operating devices.

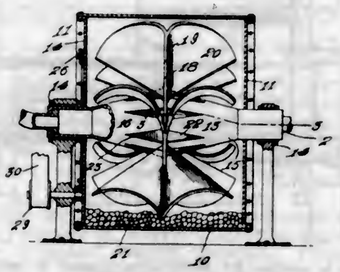
1,583,643. ICE-CREAM MOLD. FREDERICK W. BALL, Vancouver, British Columbia, Canada, assignor of one-third to James J. Logan, Agassiz, British Columbia, Canada, and one-third to Rowland W. Jenkins, Vancouver, British Columbia, Canada. Filed Feb. 2, 1924. Serial No. 690,324. 5 Claims. (Cl. 219—19.)

1. A means for freeing a body of ice cream from the walls of the mold in which it is frozen, said means comprising a base of non-conducting material on which the mold is set, an elertric circuit adapted to carry a current of suitable strength and voltage to heat the mold when passed through its walls, said circuit including terminal contacts applicable to opposite sides of the mold on the base and each adapted to pass the current to the mold at the places of contact, fixed abutments on the base



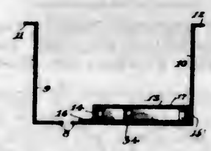
against which one of said circuit terminals lies, said base having an adjustable abutment against which the other circuit terminal is adapted to lie, whereby molds of different lengths may be manipulated, substantially as shown and described.

1,583,644. GRINDING MACHINE OR TRITURATOR. PAUL BALLETTO, Long Island City, N. Y. Filed Jan. 29, 1926. Serial No. 84,712. 5 Claims. (Cl. 83—9.)



1. A triturator comprising a rotatable drum adapted to contain the material to be triturated, a hollow member within said drum having inlet and outlet openings therein, and blades carried by said hollow member for picking up and dropping the material to be triturated.

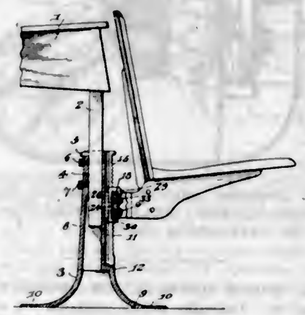
1,583,645. PEN AND PENCIL BOX. WILLIAM J. BARGEN, Waukegan, Ill., and WILLIAM R. BRENNAN, Missoula, Mont. Filed Aug. 28, 1925. Serial No. 53,098. 2 Claims. (Cl. 45—90.)



1. A pen and pencil box attachment for school desk boxes of the open rear type, comprising an inverted, shallow, channel-shaped member for seating upon the upper face of the bottom of the box horizontally thereof and adapted to have one side thereof secured to the inner face of one side wall of the box and its other side formed with a lengthwise extending outwardly projecting right-angularly disposed flange adapted to be secured to the upper face of such bottom, said member having the top thereof at its inner end formed with a depending vertically disposed flange spaced from the upper face of such

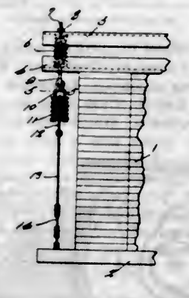
bottom, and an open top receptacle slidably mounted in said member and adapted to be supported by the upper face of such bottom and further having its inward movement arrested by said flange.

1,583,646. SEAT-ADJUSTING MEANS. WILLIAM J. BARGEN, Waukegan, Ill., and WILLIAM R. BRENNAN, Missoula, Mont. Original application filed Oct. 27, 1924, Serial No. 746,066. Divided and this application filed Aug. 28, 1925. Serial No. 53,099. 4 Claims. (Cl. 155—82.)



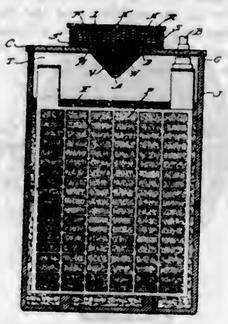
1. An article of furniture for the purpose set forth comprising a pedestal provided at its front with a pair of spaced racks and a pocket rearwardly of the racks, an adjustable seat supporting bracket grooved to overlap said racks, the walls of said groove provided with two spaced sets of teeth engaging with said racks for supporting the bracket in adjusted position, a binder member mounted in said pocket, extending between said racks and sets of teeth and overlapping the top edge of said bracket, and adjustable clamping elements extending through said bracket and engaging said member for clamping it within the pocket and to said bracket.

1,583,647. MEANS FOR HOLDING DRYING LUMBER UNDER PRESSURE. WILLIAM E. BAYLES, Fort Smith, Ark. Filed Oct. 4, 1924. Serial No. 741,723. 2 Claims. (Cl. 34—26.)



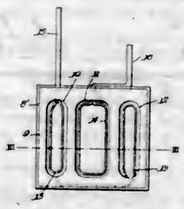
1. The combination of a pair of reversely arranged and opposed channel bars, expansion springs spaced apart and interposed and confined between said bars, retractile springs connected to the ends of said bars, an auxiliary bar adapted to be arranged at the opposite side of a bundle of lumber with reference to the first-named bars, and means connected to the retractile springs and adapted to be adjustably and detachably connected to the third-named bar adjacent to the ends thereof.

1,583,648. STORAGE BATTERY. RAYMOND C. BENNER, Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1922. Serial No. 585,960. 11 Claims. (Cl. 136—179.)



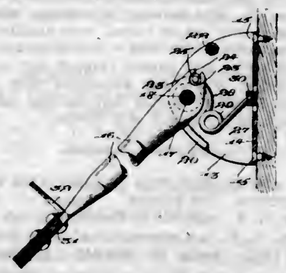
1. In a storage battery, the combination with electrodes and an electrolyte, of a container therefor, vapor arresting means carried by said container above said electrolyte, and absorbent means carried by said container above said vapor arresting means.

1,583,649. ACTIVE-MATERIAL SUPPORT FOR STORAGE CELLS. RAYMOND C. BENNER, Bayside, N. Y., assignor to The Prest-O-Lite Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,928. 6 Claims. (Cl. 136—58.)



1. An electrode comprising a non-conductive support provided with openings extending completely therethrough, conductive means positioned in the openings out of contact with the side walls thereof and having an area insufficient substantially to obstruct the same, and active material in contact with said conductive means and exposed on opposite sides of the support.

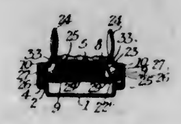
1,583,650. SWINGING-DOOR STOP. EDWARD H. BORO, Ranger, Tex. Filed Aug. 12, 1925. Serial No. 49,773. 2 Claims. (Cl. 292—338.)



1. A door prop comprising a bar having an outer ground engaging end, means for pivotally mounting the inner end of the bar on a door, said bar having an ex-

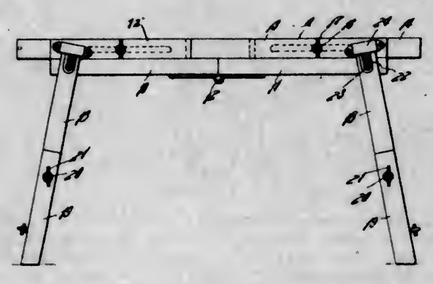
tension provided with a slot located inwardly of the pivotal point of the bar, a spring having one end secured to the pivotal mounting and the other end thereof received in the slot, the spring intermediate the ends thereof being bent and provided with a tensioning coil; the spring exerting pressure on the extension of the bar and tending to move the free end of the bar to a raised or lowered position, the bent spring and tensioning coil increasing the pressure on the inner end of the bar.

1,583,651. CAMERA-LENS-CARRIAGE CLAMP. FREDERICK W. BIEHM, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 30, 1924. Serial No. 740,856. 15 Claims. (Cl. 95—46.)



1. In a camera the combination with a track and a lens carriage slidable thereon, of a spring adapted to clamp the lens carriage to the track, said spring forming the sole support for the lens carriage.

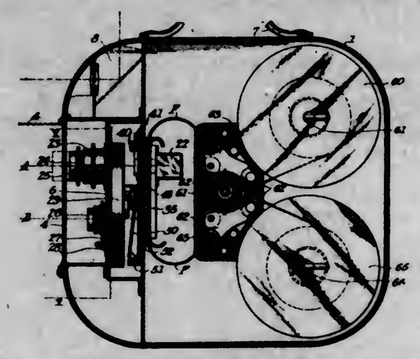
1,583,652. FOLDING TRESTLE. FRED BROOKS, St. Albans, W. Va. Filed Feb. 25, 1924. Serial No. 695,121. 1 Claim. (Cl. 304—6.)



In a trestle, a supporting beam including hingedly connected sections adapted to be arranged in end to end relation for use, and folded in parallelism when not in use, spaced parallel strips arranged upon each section, said strips being of relatively different lengths, with the long strip on each section extending beyond the meeting ends of the beam sections, and adapted to engage the short strip of the adjacent section, auxiliary beam sections arranged to slide between said strips, whereby the length of the trestle can be varied, each auxiliary section having a longitudinal slot, and a bolt supported by each pair of said strips and passed through the slot of the auxiliary section, and a nut associated with said bolt, whereby said auxiliary section may be held fixed in any given position, and legs for said trestle.

1,583,653. APPARATUS FOR TAKING AND PROJECTING MOTION PICTURES. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 609,045. 12 Claims. (Cl. 88—17.)

1. Apparatus for the taking and projection of motion pictures and comprising an exposure gate and a projection gate, a common film guide extending past both said gates, means for advancing a single strip of film through said guide and past said gates in succession an objective in front of each gate, and means cooperating

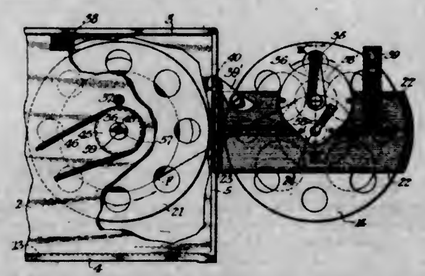


with the projection gate only to permit illumination thereof, whereby images may be projected from said gate through the corresponding objective.

1,583,654. FIBER MATERIAL OR PRODUCT. ALBERT H. CARRIER, Asheville, N. C., assignor of one-half to Edwin W. Grove, St. Louis, Mo. Filed Sept. 9, 1921. Serial No. 499,412. 1 Claim. (Cl. 102—42.)

A gun wad of a light compressible character composed of closely cohering pithy body substance and a tough natural fiber of a filament nature distributed and imbedded therein in substantially parallel relation and possessing a flexible characteristic.

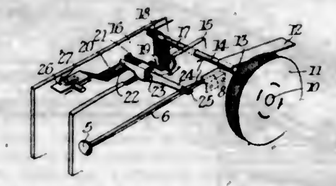
1,583,655. MOTION-PICTURE APPARATUS. BENJAMIN DAY CHAMBERLIN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 12, 1923. Serial No. 644,989. 11 Claims. (Cl. 88—17.)



1. Apparatus of the type described comprising means for supporting a reel in a definite position, means for turning such reel to wind a strip of material thereon, a

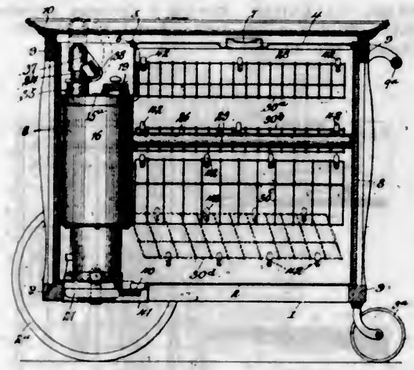
support for a second reel having two positions relative to said definite position, and means automatically rendering inoperative the turning means for the first reel when the second reel support is in one of its positions.

1,583,656. COMBINED FILM-FOOTAGE INDICATOR AND LATCH. ALBERT K. CHAPMAN and OTTO WITTEL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 5, 1925. Serial No. 48,252. 5 Claims. (Cl. 33—172.)



1. A photographic apparatus including a casing, a door for said casing, a latch for the door, means for supporting a film reel within said casing, a member positioned to bear on a coil of film on such a reel, and a connection between the latch and the bearing member adapted to retract the bearing member from its operative position when the latch is operated to unlatch the door.

1,583,657. COMBINATION TEA WAGON AND DISH-WASHING MACHINE. CHARLES F. CHAPMAN, Rochester, N. Y. Filed Nov. 10, 1921. Serial No. 514,357. 7 Claims. (Cl. 141—9.)

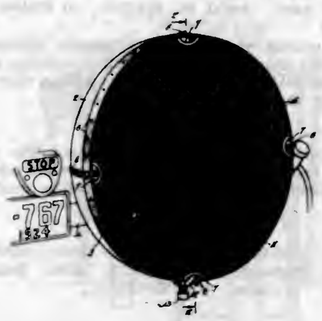


1. In a machine of the character described, a body, a dishwashing tank carried by the body and provided with means for supporting the dishes, a motor-driven pump contained within the body, a pipe rising from the pump to circulate both wash and rinsing water in the tank, spraying means in the tank connected to the pipe rising from the pump, and a drain pipe rising above and connected to the spraying means and swiveled thereto to rise and fall within the tank, permitting the location of the discharge end of the last-named pipe over a sink.

1,583,658. PROCESS OF PREPARING PENTAERYTHRITOL TETRACETATE. HANS T. CLARKE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 1, 1924. Serial No. 729,498. 10 Claims. (Cl. 260—106.)

1. In the process of preparing pentaerythritol tetracetate, the steps of heating a mixture of pentaerythritol and acetic acid to bring about the esterification, and, during the reaction, removing the water formed thereby.

1,583,659. SPARE-TIRE SAFETY GUARD. JAMES P. CLARKE, New York, N. Y. Filed June 17, 1925. Serial No. 37,757. 1 Claim. (Cl. 150—54.)



A spare tire safety guard, comprising a metal ring of a diameter to fit over a spare tire, a wire netting secured throughout its entire edge to the metal ring and having openings therein adapted to receive securing means therethrough when said securing means are positioned around the tire.

1,583,660. SODIUM COMPOUND AND PROCESS OF FORMING THE SAME. HERBERT EDWIN COCKSEDGE, Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed Oct. 30, 1922. Serial No. 598,020. 13 Claims. (Cl. 23—63.)

6. A chemical compound having the indicated formula

$$Na_2CO_3.3NaHCO_3$$

and possessing the property of remaining bright and transparent after exposure for two minutes to a temperature of between 95° C. and 100° C.

1,583,661. PROCESS OF FORMING SODIUM COMPOUNDS. HERBERT EDWIN COCKSEDGE, Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed Nov. 9, 1923. Serial No. 673,827. 4 Claims. (Cl. 23—64.)

1. The process which comprises treating carbonate of sodium material containing less CO_2 than

$$Na_2CO_3.3NaHCO_3$$

which comprises the incorporation of a limited amount of CO_2 in said material until substantial amounts of

$$Na_2CO_3.3NaHCO_3$$

are produced free from dominant amounts of bicarbonate or of a carbonate-bicarbonate mixture.

1,583,662. PROCESS OF FORMING SODIUM COMPOUNDS. CARL SUNDSTROM and GEORGE N. TERZIEV, Syracuse, N. Y., assignors to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed Nov. 8, 1923. Serial No. 673,468. 5 Claims. (Cl. 23—64.)

1. In the art of forming the substance

$$Na_2CO_3.3NaHCO_3$$

by heating material containing sodium bicarbonate, that improvement which consists in maintaining an atmosphere containing water vapor in effective contact with the bicarbonate continuously throughout the formation period of

$$Na_2CO_3.3NaHCO_3$$

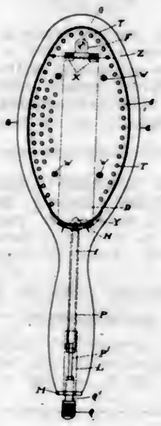
1,583,663. PROCESS OF FORMING SODIUM CARBONATE. CARL SUNDSTROM and GEORGE N. TARZIEV, Syracuse, N. Y., assignors to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed Nov. 19, 1923. Serial No. 675,560. 10 Claims. (Cl. 23—63.)

7. The process of continuously forming sodium carbonate which consists in continuously converting sodium bicarbonate material into material containing appreciable amounts of the compound

$$Na_2CO_3.3NaHCO_3$$

and continuously changing said compound into sodium carbonate and throughout the whole procedure maintaining the material in substantially continuous motion.

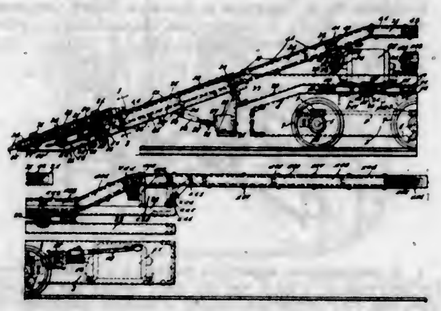
1,583,664. BRUSH. ERIC LEOPOLD HUGO COSBY, Teddington, England. Filed July 5, 1924. Serial No. 724,442. 1 Claim. (Cl. 15—176.)



A brush comprising a back peripherally flanged, forming a recess, said recess being shallow adjacent the forward end of the brush and deeper rearwardly of the shallow portion, the wall between said portions being transversely undercut, the deeper portion of said recess having a hole in the wall thereof adjacent the handle of the brush, a strip running longitudinally of said back in conformation with the walls of said recess, said strip having a hole corresponding to the hole in the wall of the deeper portion of said recess, tubes in the brush handle, one tube having a screw thread, a rod in the tubes having a screw thread engaging the screw threaded tube, a knob on said rod, said rod being movable relatively to said tubes, a bristle-carrying stock fitting said recess, a plate secured to the stock having oppositely arranged angle projections at the ends, one of which interengages said undercut wall when the stock is fitted to the back, the other projection being engaged by said rod to lock said stock to the back as herein set forth.

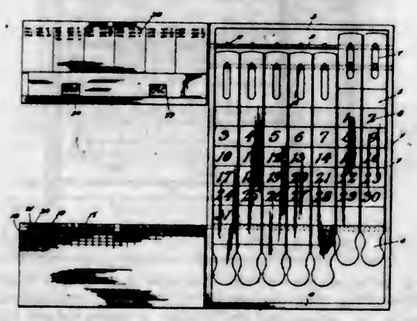
1,583,665. COAL GATHERING AND LOADING MACHINE. WALTER E. COX, Princeton, Ind. Filed July 13, 1925. Serial No. 43,245. 4 Claims. (Cl. 198—8.)

1. In a coal gathering and loading machine, a motor driven truck, an upper and a lower supporting element arranged in superposed spaced relation above and extending lengthwise of the truck, said lower element extending forwardly of the front end of the truck, a turn table interposed between the lower of said elements and the truck, a turn table interposed between said elements, said turn tables providing for the independent shifting of said elements, a front conveyor mechanism for receiving coal from gathering devices and having an adjustable forward portion and a rear portion rigidly secured to the forward end of said lower element, a rear conveyor mechanism supported on and extending rearwardly from and



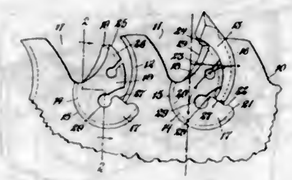
further adjustably connected to said upper element and having its forward end overlapped by and spaced from the rear end of the front conveyor mechanism, and means carried by the forward end of said lower element and connected with the forward portion of the front conveyor mechanism for adjusting the same.

1,583,666. CALENDAR. EDWARD T. CROOKER, Columbus, Ohio. Filed Aug. 22, 1924. Serial No. 733,581. 3 Claims. (Cl. 40—107.)



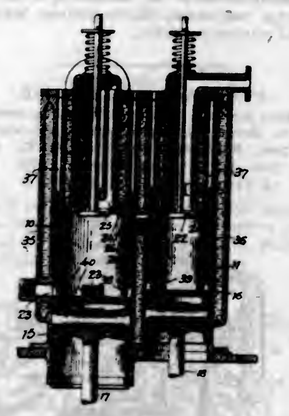
3. A calendar of the class described comprising a frame, spaced series of suspension elements within the frame, the series of elements extending transversely in parallelism near the upper end of the frame and the elements of each series being correspondingly spaced, month date bearing panels having openings in their upper end portions of dimensions to accommodate two of the suspension elements in one position of vertical adjustment of the panels and to accommodate a single one of the elements in another position of adjustment of the panels, whereby each panel may be suspended selectively from the upper and lower corresponding elements of each series, and cover members hingedly mounted at one side of the frame, one at the top thereof and the other at the bottom thereof and, when closed, constituting means to retain the said month date bearing panels in the position to which they have been adjusted.

1,583,667. INSERTABLE SAW TOOTH AND HOLDER THEREFOR. ALFRED MAXWELL CURRIER, Aberdeen, Wash. Filed May 22, 1924. Serial No. 715,157. 4 Claims. (Cl. 143—15.)



1. A saw including a blade, insertable teeth seated in said blade, and separate holders for the respective teeth, said holders each comprising an anchoring portion seated in the blade, and a blocking strut exerting pressure on that tooth at the back of the strut, said holders each having a slot between the end of the anchoring portion and the adjacent side of the strut, and having a keyhole slot in the strut dividing the same into a pair of independently acting strut members.

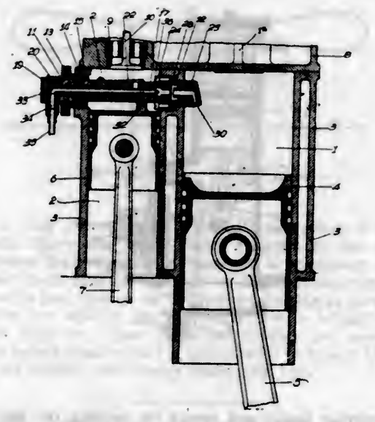
1,583,668. 2-CYCLE INTERNAL-COMBUSTION ENGINE. MORGAN W. DAVIDSON, Vermillion, S. Dak. Filed Jan. 14, 1924. Serial No. 686,212. 16 Claims. (Cl. 123—70.)



7. A 2-cycle internal combustion engine having a plurality of units, each unit comprising a combustion chamber, an air compression chamber, a passage connecting the upper ends of said combustion and compression chambers in each unit, a valve in said passage, means for injecting liquid fuel into said passage when said valve is opened, whereby said liquid fuel will be mixed with and vaporized by the compressed air passing into the combustion chamber and means for controlling the amount of fuel supply.

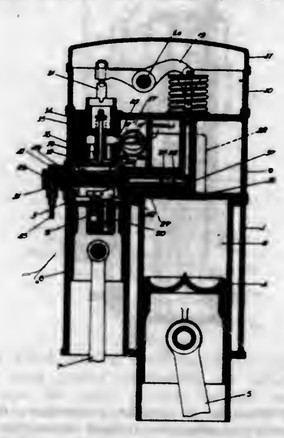
1,583,669. INTERNAL-COMBUSTION ENGINE. GEORGE K. DAVOL, San Francisco, Calif., assignor to Charles A. Brown, Hinsdale, Ill. Filed Aug. 5, 1921. Serial No. 489,980. 9 Claims. (Cl. 123—33.)

1. In an internal combustion engine, a working cylinder, a cylinder for compressing air to inject fuel, a piston moving in said compressing cylinder, a body passing through the clearance space of said compressing cylinder and extending into the clearance space of said work-



ing cylinder, a mechanically operated delivery valve on said body, and means for operating the said delivery valve from movement of said piston.

1,583,670. INTERNAL-COMBUSTION ENGINE. GEORGE K. DAVOL, San Francisco, Calif., assignor to Charles A. Brown, Hinsdale, Ill. Filed Aug. 6, 1921. Serial No. 490,218. 21 Claims. (Cl. 123—33.)

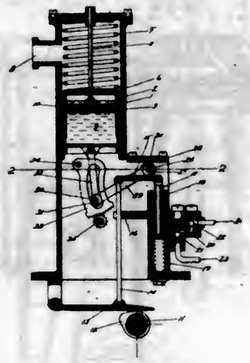


1. In an internal combustion engine of the fuel injection type, a working cylinder, a compression cylinder, a piston reciprocating in said compressing cylinder, a port for delivering air from said compressing cylinder, a valve closing said port and opening against the pressure in said compression cylinder, and means for operating said valve from the movement of said compression piston.

1,583,671. INTERNAL-COMBUSTION ENGINE. GEORGE K. DAVOL, San Francisco, Calif., assignor to Charles A. Brown, Hinsdale, Ill. Filed Aug. 26, 1921. Serial No. 495,476. 10 Claims. (Cl. 123—33.)

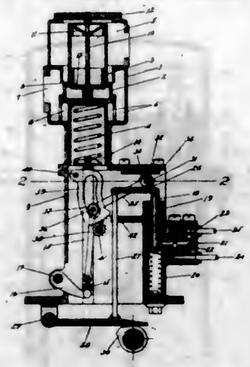
1. In combination, an element responsive to pressures, a fuel supplying device, means for controlling the de-

livery of the said fuel supplying device means for establishing a connection between the said element and the



controlling means and means for varying the said connection in accordance with a predetermined ratio.

1,583,672. REGULATOR FOR INTERNAL-COMBUSTION ENGINES. GEORGE K. DAVOL, San Francisco, Calif., assignor to Charles A. Brown, Hinsdale, Ill. Filed Aug. 26, 1921. Serial No. 495,477. 12 Claims. (Cl. 123—124.)

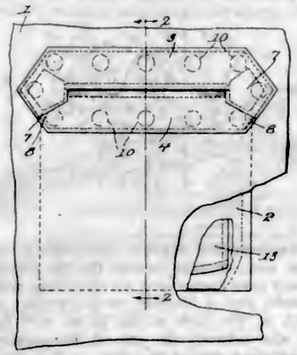


1. In combination, an intake connection, controlling means responsive to pressures in said connection for varying the density of the air therein, a fuel supplying device, a second means governing the delivery of the said fuel supplying device, means for establishing a connection between the controlling means and the said second means, and means for varying the connection in accordance with predetermined ratios.

1,583,673. METHOD OF PRODUCING HYDROGEN FROM WATER GAS. JULES HECTOR DE GRAER, Brussels, Belgium. Filed Jan. 26, 1923. Serial No. 615,167. 1 Claim. (Cl. 23—213.)

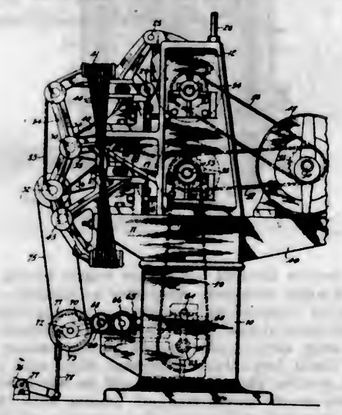
The method of producing hydrogen from the reaction of water gas substantially free from carbon dioxide upon calcium hydroxide in a granulated state and at a temperature from 350° to 800° C.

1,583,674. POCKET. ALBERT DESILETS, Manchester, N. H., assignor to Transferable Safety Pocket Company, Manchester, N. H., a Corporation of New Hampshire. Filed May 5, 1924. Serial No. 711,272. 2 Claims. (Cl. 2—248.)



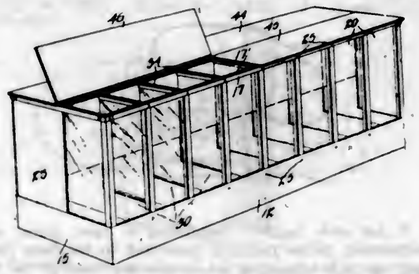
1. A supplemental, removable and transferable pocket for garments having a mouth portion formed of leather strips, each having lapping ends which are stitched together and having their contacting edges centrally formed with extensions which project downwardly and rearwardly from the strips, a pocket stitched to the said extensions reinforcing fabric stitched to the leather strips and having a central slitted portion to receive the extensions and the pocket therethrough, and fastening means comprising headed elements having their headed portions pocketed between the reinforcing fabric and the leather strips and having shank portions which project through the reinforcing fabric.

1,583,675. FUR-SHEARING MACHINE. MALCOLM DICKERSON, Newark, N. J., assignor, by mesne assignments, to Great Northern Fur Dyeing and Dressing Corporation, Springfield Gardens, N. Y., a Corporation of New York. Filed June 5, 1925. Serial No. 35,193. 18 Claims. (Cl. 149—26.)



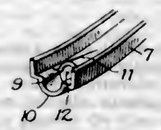
1. A fur shearing machine for fur bearing pelts comprising a plurality of shearing units, a conveying means for successively carrying and presenting the pelts to and conveying the same from each shearing unit and elements movable with and cooperating with the hides for maintaining the same in contact with the conveyor when in the presence of the shearing units, said elements engaging with different portions of each pelt at the points of presentation to the respective shearing units.

1,583,676. STORE COUNTER. CARL M. DREHER, Nora Springs, Iowa. Filed Apr. 3, 1923. Serial No. 629,712. 11 Claims. (Cl. 211—11.)



1. A store counter comprising outer walls and partitions forming a plurality of compartments for merchandise in bulk each compartment extending from top to bottom and from front to rear of the counter, a package compartment, a vertical partition extending lengthwise of the counter separating the first-named compartments from the package compartment, a lid for the bulk storage compartments, the said lid being hinged over said package compartment to exclude dirt from the bulk storage compartment, substantially as set forth.

1,583,677. LAMP-CASING RING. LEO EDELMANN, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1925. Serial No. 63,785. 3 Claims. (Cl. 24—19.)

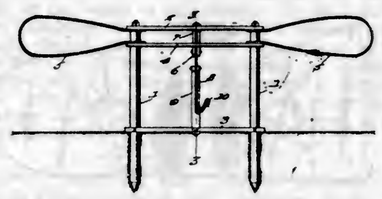


1. A split retaining ring having slits formed transversely therethrough adjacent its extremities and having the material at the ends beyond said slits pressed out to provided alined fastening receiving loops.

1,583,678. OIL CUP. FRANK EIDEN, Redding, Calif. Filed Mar. 30, 1925. Serial No. 19,518. 5 Claims. (Cl. 184—87.)

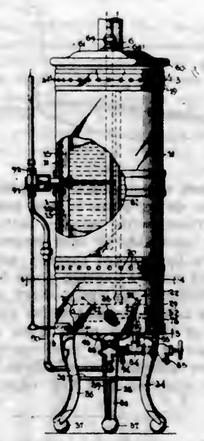
1. An oil cup of the class described comprising a casing adapted to receive lubricant, compressible means for filter feeding the lubricant from the casing, means whereby lubricant may be freely fed through said casing independently of said filter feeding means, said last named means being in the nature of a hollow tube extending from the upper end of the cup casing down to and connected with the discharge thereof, and means whereby said hollow tube may be adjusted to vary the compressed nature of said filter means.

1,583,679. TRAP. CHARLES I. ELKINS, Houlton, Me. Filed Jan. 8, 1926. Serial No. 80,042. 3 Claims. (Cl. 43—78.)



1. A trap of the class described, comprising a pair of rods, upper and lower plates fastened to the rods, the lower plate forming a base and a stationary jaw, a third plate slidably mounted on the rods and forming a movable jaw, springs on the rods and acting to hold the movable jaw against the stationary jaw, a trigger connected with the upper plate for holding the movable jaw in raised position and a trip pivoted to a part of the trap for holding the trigger under the jaw.

1,583,680. AUTOMATIC WATER HEATER. ALFRED T. FOWLES, Dallas, Tex. Filed May 12, 1924. Serial No. 712,872. 13 Claims. (Cl. 122—19.)



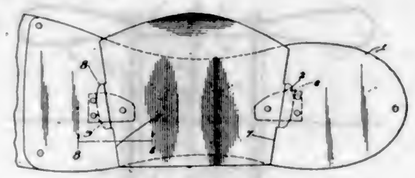
1. In a water heating apparatus of the type described, a water tank jacket comprising an inner, an intermediate and an outer section secured together, said intermediate section formed of a sheet of asbestos and each of the other sections constructed of metallic material, said outer section formed throughout with lengthwise extending corrugations and said inner section formed throughout with circumferentially extending corrugations.

1,583,681. INSECTICIDE, SHEEP DIP, AND THE LIKE. PERCIVAL JOHN FRYER, Tonbridge, England, assignor to McDougall and Yalding, Limited, Yalding, Kent, England. Filed Nov. 29, 1924. Serial No. 752,943. 5 Claims. (Cl. 167—6.)

1. A process for producing insecticides which comprises extracting the active principle of Derris by means of a volatile solvent, distilling off the solvent and dissolving the residium in a sulphonated fatty body.

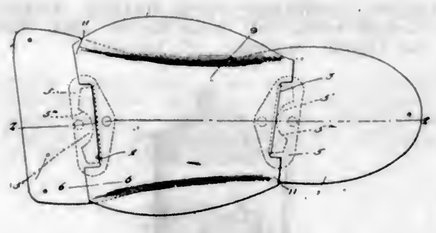
3. Insecticides comprising Derris and vehicle of a sulphonated fatty body.

1,583,682. ARCH SUPPORT. DAVID GRANT, Chicago, Ill. Filed Sept. 24, 1921. Serial No. 502,939. 6 Claims. (Cl. 36—71.)



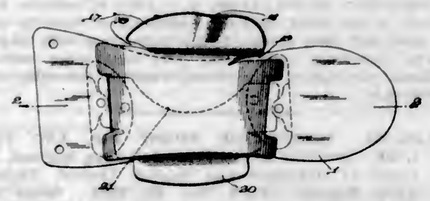
1. An arch support comprising a base plate having spaced slots, clips arranged adjacent the slots, and a second plate having tongues passed through the slots each having a curved surface arranged in engagement with the clip.

1,583,683. ARCH SUPPORT. DAVID GRANT, Chicago, Ill. Filed Nov. 14, 1921. Serial No. 515,050. 1 Claim. (Cl. 36—71.)



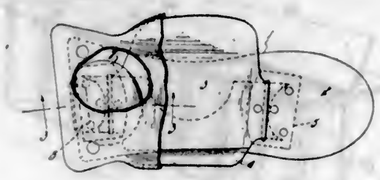
An arch support comprising a base plate having spaced slots, a resilient spring plate having tongues on its end edges and provided with recesses extending into the spring plate at each side of said tongues, said tongues being adapted to be inserted through said slots to separably connect the resilient spring plate to the base plate, said recesses forming relatively short tongues at each side of said first named tongues which engage against the upper surfaces of the base plate when said first named tongues are inserted through said openings, and pocket forming members attached to said base plate and forming pockets for receiving said first named tongues.

1,583,684. ARCH SUPPORT. DAVID GRANT, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,739. 8 Claims. (Cl. 36—71.)



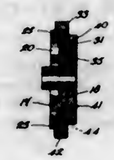
1. In an arch support, a base plate, and a yieldable arch supporting plate structure comprising a plurality of independent plates separably connected to said base plate for yieldable and oscillatory movement relative to the base plate.

1,583,685. ARCH SUPPORT. DAVID GRANT, Chicago, Ill. Filed Jan. 18, 1923. Serial No. 613,479. 4 Claims. (Cl. 36—71.)



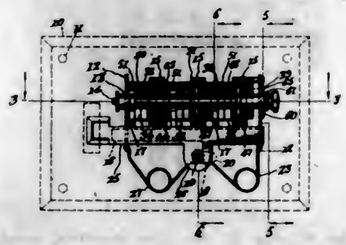
1. An arch support comprising a base plate, arch supporting plates yieldably connected to the base plate, and means for engaging the metatarsus bones of the foot and detachably connected to the base plate.

1,583,686. PERMUTATION WHEEL FOR KEYLESS LOCKS. ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignor, by direct and mesne assignments, to W-H Keyless Lock Company, Limited. Filed Apr. 22, 1924. Serial No. 708,253. 2 Claims. (Cl. 70—53.)



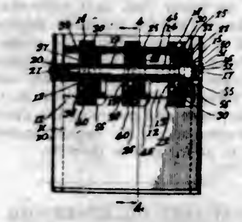
1. A permutation wheel for a keyless lock comprising a disc having a laterally extending annular rib separating two unobstructed, concentric, annular spaces adapted to form endless passageways adjacent each of its opposite surfaces, a slot in said rib forming a passageway from one of said spaces to the other, and a second annular rib concentric with, spaced from and surrounding the first.

1,583,687. KEYLESS LOCK. ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignor to W-H Keyless Lock Company, Limited, Honolulu, Territory of Hawaii, a Corporation of Hawaii. Filed June 12, 1925. Serial No. 36,660. 9 Claims. (Cl. 70—53.)



1. In a keyless lock, a plurality of permutation wheels, each comprising a pair of normally connected members; a locking bolt coacting with said wheels adapted to be locked thereby in open and closed positions; means for disengaging said pairs of members; and means for preventing the operation of said last named means when said bolt is locked in open position.

1,583,688. KEYLESS LOCK. ALEXANDER GILCHRIST HATCH, Honolulu, Territory of Hawaii, assignor to W-H Keyless Lock Company, Limited, Honolulu, Territory of Hawaii, a Corporation of Hawaii. Filed July 14, 1925. Serial No. 43,583. 3 Claims. (Cl. 70—53.)

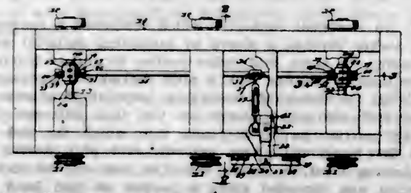


1. A keyless lock comprising a casing and a lock mechanism mounted therein, said mechanism including a bolt movably mounted in said casing, a plurality of permutation tumblers rotatable about axes disposed crosswise with respect to the direction of movement of said bolt and each comprising a concealed lock-controlling element and a tumbler-setting element exposed for manipulation through an opening in said casing, couplings normally preventing relative rotational movement between the elements of said tumblers, said couplings being capable of being disabled by relative lateral movement of said tumbler elements, means preventing lateral movement of said tumbler-setting elements and coupling disabling means, accessible from the exterior of the assembled lock, whereby said lock-controlling elements may be moved laterally to disable said couplings, thereby permitting the combination of said lock to be readily changed by merely moving said tumbler-setting elements to any desired positions relative to their respective lock-controlling elements, said bolt and lock-controlling elements having opposed parts obstructing lateral movement of the latter for the purpose of disabling said couplings except when said tumblers have been set in a predetermined relation and said bolt moved to a predetermined position.

1,583,689. ENGRAVING PROCESS. ALMON A. HEATH, Pueblo, Colo. Filed July 17, 1925. Serial No. 44,359. 1 Claim. (Cl. 41—43.)

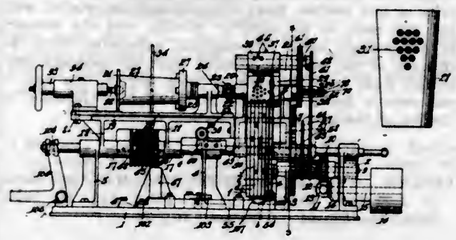
The method of engraving the surface of metal which comprises producing an image from a transparent copy of the design to be engraved upon a transparent medium sensitized with a colloid including a compound for rendering parts thereof exposed to light insoluble, removing soluble parts of the colloid from said transparent medium, rendering the undissolved parts resistant to the transmission of light, thereafter forming upon a similarly sensitized metal surface a print of the transparent medium, removing soluble parts of the colloid from the metal surface, and then etching the parts of the metal from which the colloid has been removed.

1,583,690. OFFSETTING MECHANISM. WILLIAM C. HENDERSON, Bude, Miss. Filed June 14, 1922. Serial No. 568,172. 1 Claim. (Cl. 143—113.)



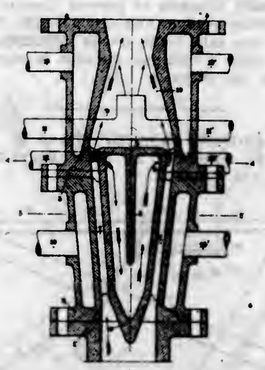
An offsetting mechanism for a roller supported carriage having a longitudinally disposed rock shaft provided with means for effecting a transverse movement of the carriage with reference to its supporting roller, a drag for traversing and frictionally engaging one of the guides of the carriage, and spaced keepers mounted on the side of the carriage and elongated in the direction of the length of the carriage, the drag having fingers engageable in said keepers and movable longitudinally thereof, and a bell crank lever pivoted on the under side of the carriage and having an operative connection with the rock shaft comprising a link connected with the shorter arm of the bell crank lever, the longer arm of said bell crank lever having a slot and pin connection with the drag.

1,583,691. MACHINE FOR CUTTING DESIGNS ON GLASSWARE. HUGH G. HILL, Wheeling, W. Va., assignor of one-half to Eliza O. Porter, Wheeling, W. Va. Filed Mar. 26, 1924. Serial No. 701,984. Renewed Oct. 16, 1925. 8 Claims. (Cl. 51—107.)



1. An engraving machine of the character described comprising, in combination with an engraving wheel, a rotary ware support, means for rocking said support toward and away from said wheel for carrying the ware into and out of operative relation to said wheel at predetermined intervals, means holding said support against rotation while it occupies its forwardly rocked position, said holding means including a cylinder having therein sockets grouped in an arrangement corresponding to that of the separate elements of the design to be produced, and means for intermittently advancing said support.

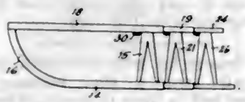
1,583,692. PROCESS AND APPARATUS FOR VAPORIZING HEAVY HYDROCARBONS. ALEXANDER IVANOVITCH KOUSNETZOFF, London, England. Filed May 19, 1924. Serial No. 714,517. 6 Claims. (Cl. 48—180.)



2. A vaporizer comprising, a hollow walled chamber, gas inlet and outlet ports in the chamber, a hollow conical spreader within the chamber with its apex directed toward, and concentric with, the inlet, the chamber being formed to leave an annular space between the inner wall and the outer wall of the spreader and means for heating the inner wall of the chamber and

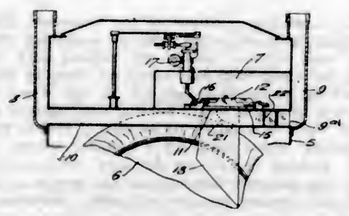
the outer wall of the spreader, partitions dividing the annular space into a plurality of separate divergent channels, and means at the exit ends of the channel to impart a whirling motion to the material flowing through the channels.

1,583,693. COLLAPSIBLE SLED. EMIL KRAFFT, Weehawken, N. J. Filed Aug. 12, 1925. Serial No. 49,805. 5 Claims. (Cl. 280—20.)



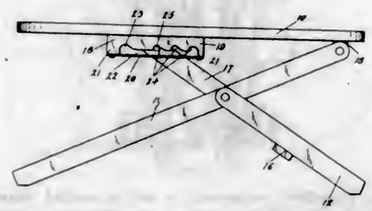
1. A sled including front, intermediate and rear sections, each having upper side rails and runners, the side rails of one section being telescopically associated with the side rails of an adjacent section, and the runners of one section being telescopically associated with the runners of an adjacent section, and top members supported from the side rails of each section, the top of one section being arranged in overlapping relation to the top of the next adjacent section.

1,583,694. GAS-METER-PROTECTION MEANS. DAVID N. LAMBERT, Brooklyn, N. Y. Filed Aug. 26, 1925. Serial No. 52,646. 4 Claims. (Cl. 73—1.)



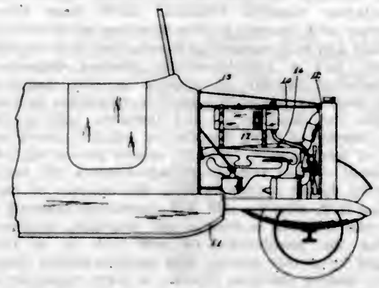
1. In a protection means for a meter of the class specified, the combination with valves, diaphragm means and a tubular conduit, of forked channels, between the tubular conduit and the valves, formed with an outer juncture chamber and baffle means continuing from the inner walls of the channels at the outer junctional portion of the said channels to prevent insertion of means into the tubular conduit and displacement of either of the valves, the said baffle means continuing into the juncture chamber a sufficient distance to obstruct direct entrance into the channels.

1,583,695. IRONING BOARD. FLOYD E. LANE, Falconer, N. Y. Filed Oct. 24, 1923. Serial No. 670,578. 1 Claim. (Cl. 68—10.)



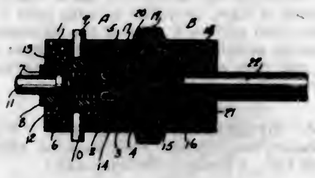
In an ironing table, a board, a pair of spaced parallel front legs pivoted at one end to the board and engaging the floor at their opposite ends, a cross-shaft connected to the front legs at points between the ends thereof, a pair of parallel short rear legs resting at their lower ends on the floor and pivoted at their upper ends to said cross-shaft and being guidingly engaged by the sides of the front legs, a pair of parallel ribs depending from the board and having downwardly facing notches, a cross piece connecting the rear legs intermediate the ends thereof, a single brace secured to the center of said cross-piece at its lower end, said cross-shaft extending through said brace between the ends thereof to support the same, and a pin carried by the upper end of the brace and having its ends projecting beyond opposite sides of the brace and receivable in the notches of the ribs, the ribs being spaced but slightly in excess of the thickness of the brace and receiving the upper end of the brace therebetween so as to engage opposite sides of the brace and to afford guides therefor.

1,583,696. AUXILIARY OIL RESERVOIR. ERNEST W. LANE, New Vienna, Ohio. Filed Mar. 5, 1924. Serial No. 697,035. 2 Claims. (Cl. 184—165.)



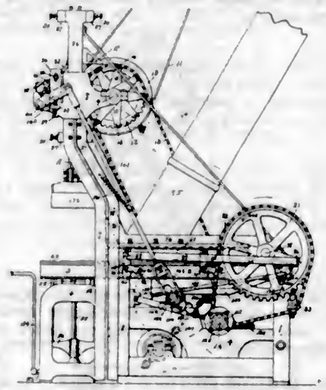
1. In a device of the class described the combination with a motor vehicle having an internal combustion engine comprising an oil chamber and a breather nozzle communicating with the oil chamber, and having a dash and a rod extending from the dash, of a pair of straps each mounted upon the rod and having a leg mounted upon the engine, a reservoir supported by the straps, a pipe adapted to direct a fluid from the reservoir into the breather nozzle and a valve controlling the flow of fluid through the pipe.

1,583,697. ELECTRICAL CONNECTER. ALFRED E. LATHAM, Brooklyn, N. Y. Filed Nov. 10, 1921. Serial No. 514,231. 2 Claims. (Cl. 173—269.)



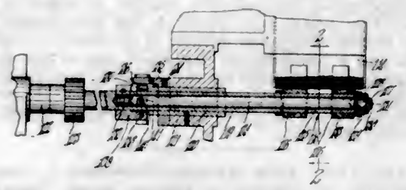
1. An electrical connecter which comprises a conducting socket portion, a sleeve of insulating material surrounding the same, said socket portion having an interior bore threaded at one end, a plug portion of conducting material, a sleeve of insulating material therearound, said last mentioned sleeve on the face adjacent the socket portion having a recess into which the end of the first-mentioned sleeve extends, said plug having a projecting head to extend into the bore of the socket portion and threaded along a portion of said head to engage with the threads in the bore of the socket whereby the socket member and the plug member are tightly engaged.

1,583,698. TILE MACHINE. DAVID MCINTYRE, Detroit, Mich. Filed Mar. 9, 1922. Serial No. 542,236. 8 Claims. (Cl. 25—41.)



1. In a tile machine, the combination of a rigid tile mold, a plate mounted on the mold and extending rearwardly and having openings to permit the passage of plastic material, a feed box slidable on said plate, a chute for plastic material extending downwardly to said plate and spaced therefrom sufficiently to permit the feed box to move underneath the lower end of the chute to be filled and to move forwardly over the mold to discharge its contents, and a plate extending rearwardly from the feed box to close the lower end of the chute when the feed box is in its forward position.

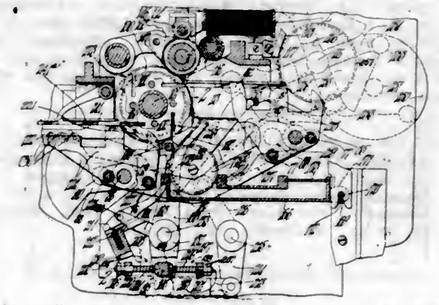
1,583,699. SHEET-FEEDING MECHANISM. ALBERT M. PRICE, Elgin, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a Corporation of West Virginia. Original application filed Mar. 3, 1919, Serial No. 280,283. Divided and this application filed Feb. 13, 1922. Serial No. 536,261. 9 Claims. (Cl. 271—41.)



1. The combination with a magazine for holding a stack of sheets, of a continuously rotating shaft below said stack, a sleeve journaled on said shaft and having a friction roll thereon for engaging with the lowermost sheets of the stack, devices on said shaft for engaging opposite ends of said sleeve, and means for periodically moving one of said devices relatively to the other to grip said sleeve between them to cause the latter to rotate with said shaft to successively shift sheets from said stack.

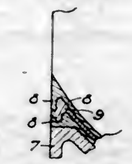
1,583,700. LABEL-APPLYING DEVICE. ALBERT M. PRICE, Elgin, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a Corporation of West Virginia. Original application filed Mar. 3, 1919, Serial No. 280,283, now Patent No. 1,491,970, dated Apr. 29, 1924. Divided and this application filed May 6, 1922. Serial No. 558,930. 19 Claims. (Cl. 93—2.)

1. In a label-applying device, a glue roll, a guide member adjacent the periphery of the glue roll, means for holding an article having wound thereabout one end portion of a label in process of being applied thereto and advancing the article and label to introduce the free end of the latter between said guide member and the



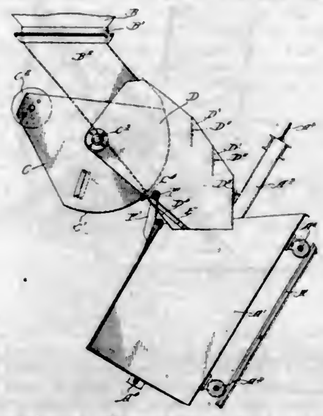
glue roll, means to carry the free end of the label against the glue roll, and means for folding the glued end of the label against the opposite end thereof to secure the label to the article.

1,583,701. PLOW. OSCAR ADOLF KRISTIAN PRINTZ, Ofverum, Sweden. Filed Sept. 10, 1925. Serial No. 55,593. 1 Claim. (Cl. 97—115.)



A mold-board for plows comprising an intermediate layer of soft iron and two outer layers of hardened steel, in which the foremost cutting edge of the outer layer of said mold-board is formed with a stiffening ridge on its rear side produced by bending and upsetting the foremost edge of the outer layer of said mold-board.

1,583,702. SKIP HOIST. WILLIAM W. SAYERS, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 20, 1924. Serial No. 757,091. 17 Claims. (Cl. 214—125.)

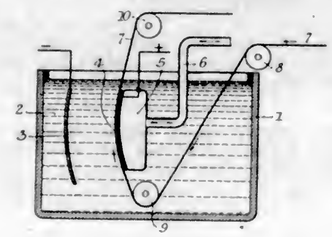


1. In combination with a chute, a chute closing member, adapted to be moved to prevent discharge therethrough, in combination with an open guide member adapted to move with said closing member and to guide the discharge of material from the chute.

1,583,703. COATING COMPOSITION CONTAINING NITROCELLULOSE AND HARD RUBBER. SAMUEL E. SHEPPARD and JOHN J. SCHMITT, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 18, 1925. Serial No. 16,570. 14 Claims. (Cl. 134—17.)

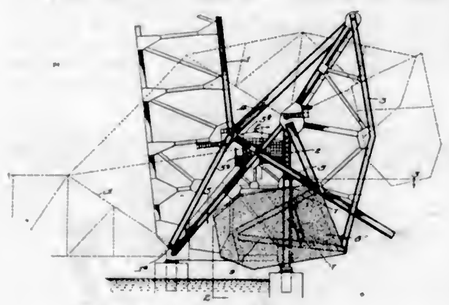
3. A flowable liquid composition comprising nitrocellulose, fluxed hard rubber, and a liquid solvent of said ingredients.

1,583,704. ELECTRODEPOSITION OF RUBBER UNDER GAS-REMOVING CONDITIONS. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 8, 1925. Serial No. 35,612. 11 Claims. (Cl. 204—1.)



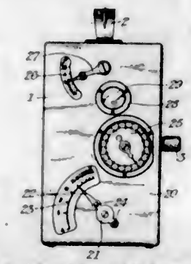
1. The process of depositing organic material on a gas-permeable anode surface, which comprises bringing said surface into contact with an electroconducting aqueous suspension of said material, passing a depositing electric current through said surface and suspension, the current density being such that gas is evolved adjacent said surface, and removing said gas rearwardly from said surface.

1,583,705. BRIDGE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,305. 9 Claims. (Cl. 14—38.)



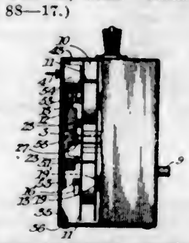
1. A bridge comprising a main span, separate supports back of said main span, a counterweight frame mounted on said supports, a connection between said counterweight frame and said main span, counterweights connected with the said counterweight frame, each of said counterweights having opposed parts with a space between them into which are received said supports when the bridge is moved to its open position, whereby portions of the counterweight may move past said supports without interference.

1,583,706. PHOTOGRAPHIC CAMERA. JULIEN TESSIER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 8, 1923. Serial No. 617,833. 9 Claims. (Cl. 95—44.)



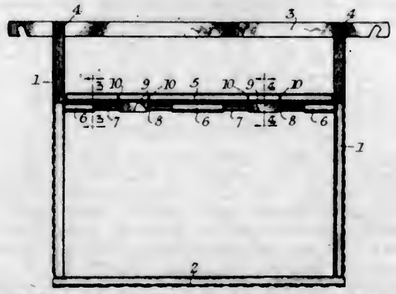
1. In a photographic camera having an objective and a finder lens, means for simultaneously focusing the objective and automatically moving the finder lens in a lateral direction only.

1,583,707. MOTION-PICTURE CAMERA. JULIEN TESSIER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 12, 1923. Serial No. 618,467. 6 Claims. (Cl. 88—17.)



1. Motion picture apparatus comprising a casing open at one side and constituting a film exposing compartment, a door adapted to cover said open side, means within said compartment for feeding a film, a movable member having an operative position in which it is adapted to engage and position a film with respect to said feeding means, and movable to an inoperative position, and a projection on the inner side of the door adapted to extend, when the door is closed, into the path of movement of said member and to prevent the complete closure of the door when the member is not in operative position.

1,583,708. FILM HANGER. ANTONIUS J. VIKEN, Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 27, 1925. Serial No. 52,840. 9 Claims. (Cl. 95—100.)

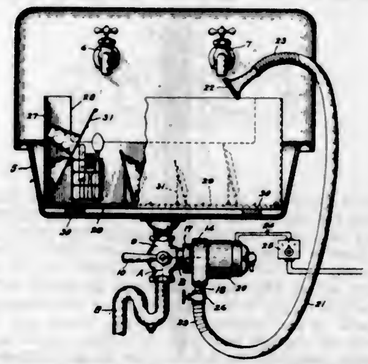


1. A frame for holding film during fluid treatment and drying, said frame including a plurality of channel bars for holding the edges of a film, a hinge pintle connected to channel bars and a channel member hinged to the frame by the pintle upon which it may turn to and from an operative position in which it is adapted to hold a film in the frame, and cooperating parts formed on the hinged channel and its pintle tending to hold the hinged channel in an operative position.

1,583,709. CELLULOSE-ETHER FILM AND COMPOSITION FOR MAKING THE SAME. WILLIAM R. WEBB, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 20, 1925. Serial No. 38,564. 10 Claims. (Cl. 106—40.)

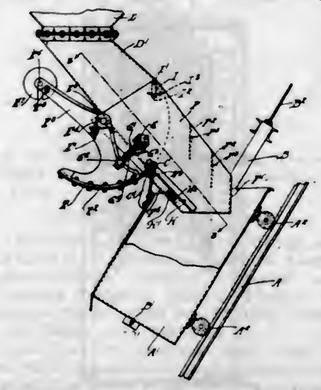
4. As an article of manufacture, a film, which maintains its flexibility after prolonged heating at 65° C., comprising colloidized water-insoluble ethyl cellulose having distributed therein inorganic alkali which gives said film an alkalinity in excess of Ph7.

1,583,710. DISHWASHER. ALFRED F. WELCH, Fort Wayne, Ind. Filed Sept. 1, 1922. Serial No. 585,660. 4 Claims. (Cl. 141—9.)



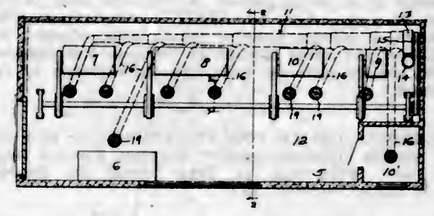
1. The combination with a kitchen sink having a drain opening, of a drain pipe, a pump, a length of hose connected to the discharge side of the pump, and valve means for connecting said drain opening to either the suction side of the pump or to the drain pipe.

1,583,711. SKIP HOIST. CHARLES M. YOUNG, Jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1925. Serial No. 54,854. 27 Claims. (Cl. 214—125.)



1. In combination with a chute, a chute closing member adapted to move to prevent discharge therethrough, said member formed with a pair of side members and provided with a generally arcuate chute closing gate portion, and an open guide member adapted to move with said gate, and to have limited cushioning movement relative thereto.

1,583,712. DRY-CLEANING OR DRY-DYEING ESTABLISHMENT. GEORGE H. FELTHAUS, Evansville, Ind. Filed Aug. 15, 1924. Serial No. 732,183. 1 Claim. (Cl. 98—27.)

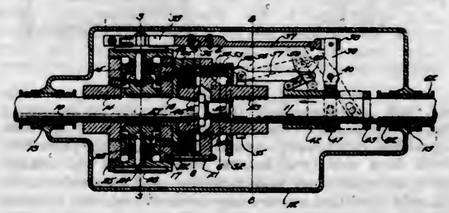


The combination with the room of a cleaning or dyeing establishment and the vapor discharging machinery therein, of a pipe extending longitudinally beneath the floor of the room and embodying sections which increase in diameter toward the discharge end of the pipe, a suction fan connected with the discharge end of the outlet pipe section, said floor having openings therein arranged near the machines, branch pipes connected with said pipe sections and leading to said openings, an apertured cap mounted upon the upper end of each branch pipe within said openings, and a pivoted apertured valve mounted upon each cap and adapted to cover and uncover the aperture of the cap, said pivoted valve being countersunk within the floor and having its upper surface substantially flush with the upper surface of the floor, said pivoted valve serving to prevent water or the like entering the branch pipe and also being out of the way so that it will not interfere with walking upon the floor.

1,583,713. MIXING COMPOSITION FOR USE WITH WOOD AGGREGATES AND STRUCTURES. JAMES RANKIN GARROW, London, England, assignor, by mesne assignments, to Novocrete Company of America, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1923. Serial No. 664,797. 11 Claims. (Cl. 106—24.)

1. A process for utilizing fibrous materials in conjunction with cement, which consists in impregnating the said materials with a solution of a metallic salt, which is of such a degree of alkalinity that the minimum amount of alkali only need be added to produce the precipitation of a mineral compound, and then bringing the impregnated material and cement in contact, thereby producing a reaction in which precipitation of a solid compound takes place due to the presence of a precipitating agent in the cement for the purpose of closing the pores in the said materials and forming a connecting link between them and the said cement.

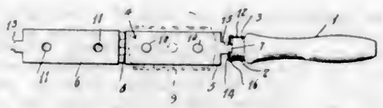
1,583,714. REVERSE-GEAR MECHANISM. ELMER W. HOLSTROM, Lake City, Minn. Filed July 23, 1924. Serial No. 727,788. 4 Claims. (Cl. 74—34.)



1. In a reverse gear mechanism, a drive shaft, a driven shaft, a ring gear fast upon the drive shaft, a ring gear fast with the driven shaft, floating pinions connecting

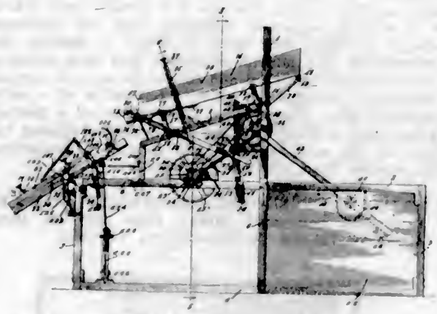
the ring gears, means to hold said pinions relatively stationary, a clutch mechanism adapted to connect the drive and driven shafts, means whereby the clutch may be operated to provide a direct drive between the shafts, a rock shaft, a lever fast upon the rock shaft and engaging the clutch collar, means connecting the lever and floating pinion holding means, whereby operation of the rock shaft in one direction will move the pinion holding means to an active position and slide the collar in one direction, an axially movable plunger for engaging the clutch, a slidingly mounted plunger plate engaging the plunger and means operated by the collar and engaging the plunger plate for controlling the operation of the clutch.

1,583,715. DEVICE FOR STROPPING AND HONING RAZOR BLADES. JOHN V. HOUSTON, Klamath Falls, Oreg. Filed Apr. 15, 1924. Serial No. 706,761. 1 Claim. (Cl. 30—25.)



A device of the character set forth, comprising a handle provided at one end with a reduced cylindrical extension and an annular shoulder, a relatively stationary clamping member provided at its inner end with a shank immovably secured in said end of the handle and having a shoulder arranged in spaced relation to the shoulder on the handle, a relatively movable clamping member pivoted to the outer end of said first named clamping member and provided at its free end with a lug, and a cap rotatably mounted upon the reduced extension of the handle and having an end wall contacting with the shoulder on the shank and a side wall contacting with the shoulder on the handle, said end wall having a radially extending slot for the reception of the lug on the relatively movable clamping member, and said shoulders retaining the cap in place.

1,583,716. PRUNE SPREADER. FREDERICK E. HOWE, Falls City, Oreg. Filed July 2, 1925. Serial No. 41,156. 14 Claims. (Cl. 146—195.)



1. In a machine of the character set forth, a washing tank, a reciprocatory tray, mechanism for imparting the reciprocatory movement to said tray, clutch elements associated with said mechanism, means for elevating fruit from said tank to said tray through the engagement of certain of said elements, and means operable by said elevating means, upon delivery of the contents thereof after elevation, for releasing the said clutch elements to disconnect the elevating means from said mechanism.

1,583,717. PROCESS FOR THE PREPARATION OF THREADS FROM CELLULOSE ACETATE. EMIL HUBERT, OTTO LEUCHS, and LUDWIG LOCK, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed July 14, 1924. Serial No. 725,980. 4 Claims. (Cl. 18—54.)

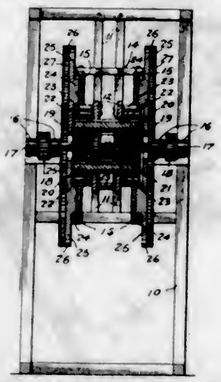
1. Process for the preparation of threads of cellulose acetate which comprises spinning a solution of cellulose acetate into a strong salt solution, said solution of cellulose acetate consisting of cellulose acetate and a single solvent therefor and one or more materials different from said solvent which are absorbed by the salt solution more difficultly than said solvent.

4. Process for the preparation of threads from cellulose acetate which comprises spinning a solution of cellulose acetate in acetone containing pyridine into a strong calcium chloride solution.

1,583,718. PROPELLER PENCIL. GEORGE REGINALD HUDSON, London, England. Filed Feb. 5, 1923. Serial No. 617,089. 5 Claims. (Cl. 120—12.)

1. A propelling pencil comprising an outer case fitted with a pocket clip and having an internal lead propelling mechanism adapted to be slidden back and forth in the outer case and locked in the forward or writing position by a locking catch in combination with means for operating the locking catch from the pocket clip by the opening movement thereof.

1,583,719. COMOTIONAL POWER TRANSMISSION. PETER IVANOFF, Hamilton, Mont. Filed Jan. 25, 1924. Serial No. 688,510. 1 Claim. (Cl. 74—34.)



A co-motional power transmitting device comprising a supporting frame, spaced coacting stub shafts supported by said frame in longitudinal alignment and each

provided with a driving pinion therefor, gears on the inner ends of said shafts, an idler gear interposed between the gears on the inner ends of said shafts to prevent lateral play thereof, a plurality of spaced toothed shafts supported by said idler gear meshing therewith and with the gears on said stub shafts, a pair of spaced stationary inner ring gears supported from said frame and meshing with said toothed shafts, a pair of spaced stationary outer intermediate ring gears supported from said frame and having internal teeth, pinions carried by said toothed shafts, a pair of spaced internally and externally toothed inner intermediate ring gears meshing with the pinions on said toothed shafts, a spaced pair of outer ring gears, two sets of large gears meshing with said outer ring gears, and small gears carried by said large gears and meshing with said outer intermediate and the said inner intermediate ring gears.

1,583,720. ADJUSTABLE SIGN. CLAY HENRY JACOBS, Delta, Iowa. Filed Oct. 4, 1923. Serial No. 666,535. 1 Claim. (Cl. 40—64.)

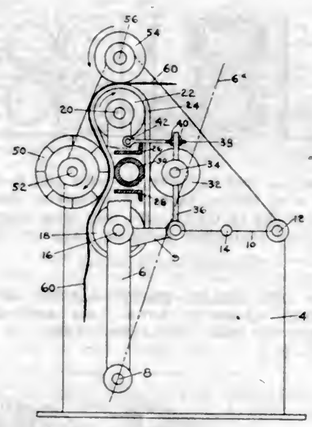
A sign comprising a frame having a pair of sections with hollow side rails of different dimensions and adapted to interfit for sliding one section upon the other, said rails having channel portions opening toward the middle of the frame and being slidable one upon the other for extending about the inner side of the frame, and a plurality of transparent panels fitting in said channels of the frame and bearing opaque indicia adapted to arrest the projection of light rays through the frame, and a suction cup on each section of the frame adapted to be secured against a pane of glass for holding the sign and for maintaining the sections in adjusted position.

1,583,721. GOLF BALL. PHILIP SCHUYLER KANE, Kane, Pa. Filed July 28, 1925. Serial No. 46,643. 4 Claims. (Cl. 273—62.)

1. A golf ball, and means in connection therewith for emitting smoke whereby to signal the position of the ball after flight.

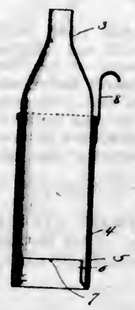
1,583,722. MACHINE FOR TREATING HIDES, SKINS, AND LEATHER. ALEXANDER HEINRICH KEHRHAHN, Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me., a Corporation of Maine. Filed Dec. 17, 1925. Serial No. 76,011. 14 Claims. (Cl. 149—19.)

3. In a machine for operating upon hides, skins, leather and other like pieces of work, a bladed cylinder and work presenting means relatively movable from work receiving position into co-operative relation with respect to each other, said work presenting means comprising a pair of supporting members, a bolster passing around the supporting members, and a bed roll back of a portion of the bolster, the arrangement being such that the bolster is adapted to embrace a substantial portion of



the cylindrical surface of the bladed cylinder and has a narrow strip portion thereof pressed firmly against the cylinder by the bed roll.

1,583,723. GREASE-GUN LOADER. WALTER H. KIMBALL, Flint, Mich. Filed Sept. 10, 1925. Serial No. 55,561. 1 Claim. (Cl. 226—19.)

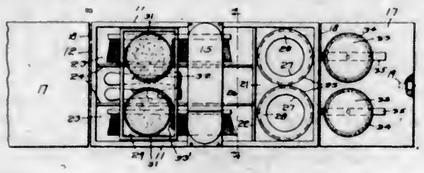


A loader for grease guns comprising a tube of larger diameter than that of the grease gun, having a reentrant tubular flange at its lower end of smaller diameter than the internal diameter of the barrel of the grease gun, and adapted to extend a short distance within the grease gun barrel when the latter is positioned within the loader, the outer end of said flange being flared outwardly to form with the wall of said tube a grease cutting edge and cutting means arranged transversely of said tubular flange at the inner end thereof.

1,583,724. SHOE-SHINING STAND. FRANK A. LISI, Philadelphia, Pa. Filed Nov. 4, 1925. Serial No. 66,762. 10 Claims. (Cl. 15—265.)

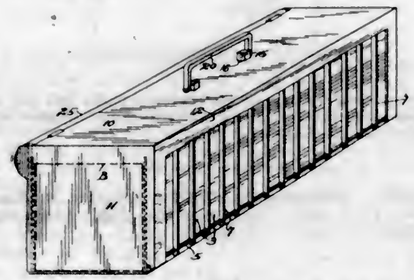
1. A shoe blacking stand or cabinet embodying a casing, a foot-rest mounted upon the casing, lids hinged to the casing to cover the same, a transverse partition dividing the casing into two general compartments, longitudinal partitions dividing one general compart-

ment into longitudinal compartments for the reception of implements, the transverse and longitudinal partitions serving as tracks, cans held within the other general



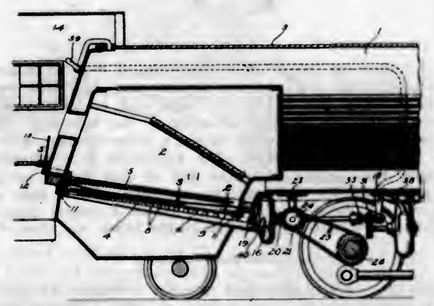
compartment, a tray to cover the cans and to uncover the same when shifted upon the transverse and longitudinal partitions as tracks, said tray being adapted for receiving cans containing polishing paste or the like.

1,583,725. ICE-CREAM-BRICK SLICER AND RECEPTACLE. JOHN D. LOWRY, Los Angeles, Calif. Filed Mar. 17, 1925. Serial No. 16,201. 15 Claims. (Cl. 107—21.)



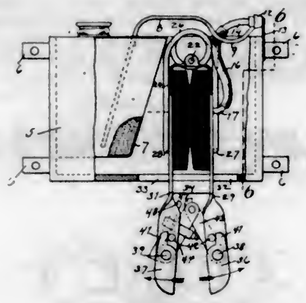
1. An ice-cream brick slicer including parallel, vertically slotted side walls and a bottom forming an open ended tray, and a series of relatively independent and separately tiltable cleaver blades adapted to form partitions from wall to wall and extending substantially from the bottom of the tray to the top thereof, for completely separating the severed slices and preventing them from merging together after the cut is made.

1,583,726. FORCE-DRAFT APPARATUS. PATRICK F. LYNN, Pittston, Pa. Filed Dec. 28, 1925. Serial No. 78,018. 2 Claims. (Cl. 110—70.)



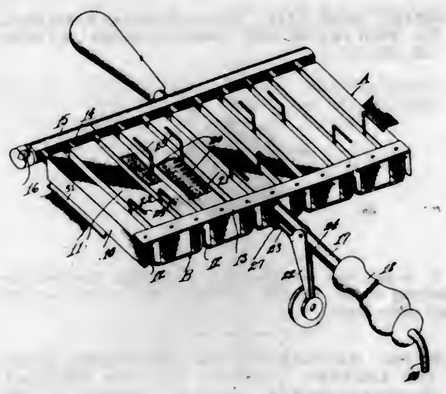
1. The combination with a locomotive, of a blower located outside of the fire box, an outlet manifold communicating with the blower, a series of parallel air discharge pipes connected to the manifold and projecting into the ash pit below the grate of the boiler, said pipes tapering and of decreasing diameter from their air inlet to their closed inner ends, upwardly projecting air nozzles on said pipes, and a manually movable frame having strips thereon adapted to be positioned either, above the nozzles or at one side thereof.

1,583,727. DISPENSING DEVICE. JOHN S. MACMULLEN and MORTON L. MCREYNOLDS, San Francisco, Calif. Filed Apr. 30, 1925. Serial No. 27,002. 3 Claims. (Cl. 167—3.)



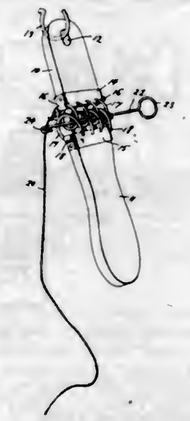
1. In a device of the character described, a receptacle, a tube extending into said receptacle and adapted to conduct a fluid therefrom, a bellows positioned adjacent said receptacle, a nozzle secured to said tube, means for conducting air from said bellows to said nozzle, a pair of levers connected to opposite sides of said bellows, and means for moving either of said levers for the purpose of causing said bellows to force air therefrom.

1,583,728. HAIR WAVER. LOUISE MARKLE, Rochester, N. Y. Filed July 11, 1925. Serial No. 42,917. 2 Claims. (Cl. 132—31.)



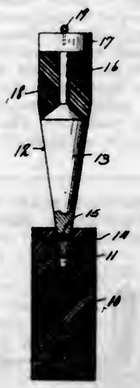
1. A hair waving apparatus comprising a pair of hair clamping members one of which is provided with transverse ribs, the other including alternate longitudinally grooved and ungrooved blocks, the grooves of said blocks receiving the ribs of the first clamping member, and means on the ribbed member about which a tress of hair is adapted to be wound in serpentine fashion and which projects between said blocks.

1,583,729. COMB CLEANER. FRANK BUSATA MABUOKA, Rogerson, Idaho. Filed July 27, 1925. Serial No 46,420. 2 Claims. (Cl. 132—29.)



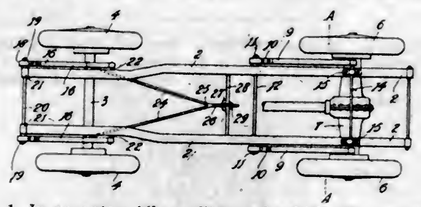
1. In a comb cleaning device, a pair of end members, one constituting suspension means and the other constituting a handle, each of said end members including a coil, the coil of one being adapted to be arranged in interfitting relation to the coil of the other and a flexible member detachably connected with one coil and adapted to be pulled through the interfitting coil whereby upon subsequent disengagement of the coils upon movement of the end members away from each other the flexible member will be caused to extend in laced relation between the end members to define a plurality of spaced parallel strands.

1,583,730. DEVICE FOR PLUGGING OIL WELLS. ROSCOE O. MAYNARD, Marland, Okla., assignor of one-half to William E. Hardin, Marland, Okla. Filed May 9, 1925. Serial No. 29,218. 6 Claims. (Cl. 166—13.)



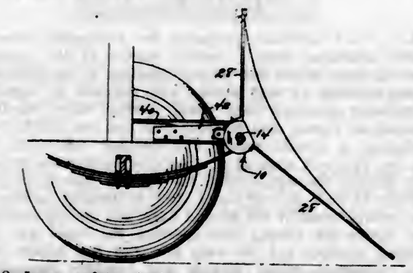
1. A plug of the character described comprising a body made of soft metal having nearly the diameter of the well to be plugged and having a longitudinally extending tapered bore open at one end and extending a relatively slight distance into the body, a tapered swedge of hard metal having its smaller end adapted to fit within the tapered bore and its large end having nearly the diameter of the soft metal body, and a frangible pin intersecting the bore in the soft metal body and passing through the small end of the swedge.

1,583,731. RESILIENT SUSPENSION MEANS FOR AUTOMOBILES AND LIKE ROAD VEHICLES. FRANCIS MURPHY, Murrumburrah, New South Wales, Australia. Filed Feb. 19, 1925. Serial No. 10,358. 3 Claims. (Cl. 280—106.5.)



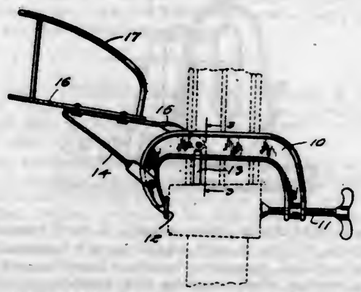
1. In an automobile or like road vehicle, the combination with the chassis and the rear axle, of two spring units, one at each side of the chassis, means securing said spring units at one end to the chassis, connections between said spring units and the rear axle, and a rod extending transversely of the chassis and provided at opposite ends with cranks which are connected to the adjacent ends of said spring units.

1,583,732. SAFETY DEVICE FOR VEHICLES. JOSEPH NAGY, Detroit, Mich. Filed Jan. 4, 1926. Serial No. 79,238. 6 Claims. (Cl. 293—15.)



2. In a safety device for automobiles, the combination of a rotatable shaft, a pair of collapsible frame sections, a strip of flexible material connecting said sections, means operable upon a partial rotation of said shaft for moving said frame sections to a collapsed position, said means including a wedge member fixed to said shaft, and slidable parts operable thereby, means for holding said frame sections in a collapsed position upon operation of said first means and after said shaft has been rotated to return to normal position, and control means for actuating said last mentioned means.

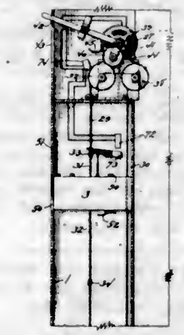
1,583,733. WINDOW SEAT. EMIL NASTRI, Brooklyn, N. Y. Filed Feb. 10, 1926. Serial No. 87,424. 1 Claim. (Cl. 304—24.)



A window seat including a U-shaped screw clamp, a V-shaped member having its legs secured to one end of the clamp and extending away therefrom, a seat

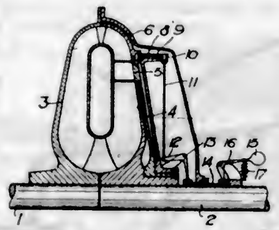
carried by the outer end of one of the said legs, and a bifurcated downwardly flaring member carried by the intermediate portion of the clamp for engagement with a window sill whereby to prevent sidewise rocking movement of the clamp.

1,583,734. MAIL-HANDLING MEANS FOR APARTMENT HOUSES. OLIVER N. NORRELL, Richmond, Va. Filed Sept. 19, 1924. Serial No. 738,728. 7 Claims. (Cl. 187—4.)



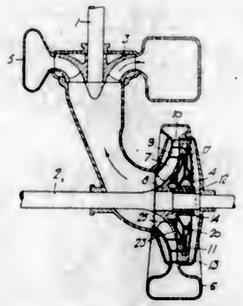
5. In mail handling equipment for apartment houses, shafts extending from a central station at the ground floor to upper floors and having openings at said points, boxes movable in said shafts and adapted to register with said openings, said boxes having doors, electro-mechanical signals one for each box and box holder and including a circuit maker and breaker controlled by the box door and adapted to close a normally open circuit and actuate the signal when the door is opened for the placing of mail in the box, a door controlling access to the several boxes at the ground floor, and electro-mechanical means for raising and lowering the boxes and including controls one for each box and box holder and also including circuit makers and breakers controlled by the last-named door whereby no box can be moved until said door is closed; the said upper openings of the shafts being provided with vertically movable gravitational doors, and the said doors being relatively arranged to be raised to open position by the box complementary to the door as said box moves upwardly into coincidence with its respective upper opening.

1,583,735. HYDRAULIC TRANSFORMER, TURBINE, OR THE LIKE. ANTENOR NYDQVIST, Trollhattan, Sweden. Filed Dec. 5, 1924. Serial No. 754,112. 4 Claims. (Cl. 60—54.)



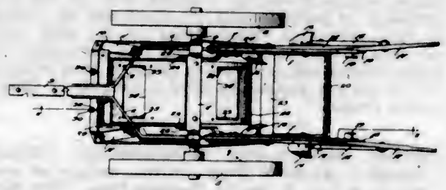
3. In a fluid device, blade wheels, a fluid channel in said wheels, blades on said wheels having independently movable portions, concentric members carrying said portions, a common shaft carrying said members, a ratchet mechanism to lock said members to said shaft or release them therefrom, and a control mechanism to automatically control the operation of said ratchet mechanism.

1,583,736. HYDRAULIC-POWER-TRANSMISSION MECHANISM. ANTENOR NYDQVIST, Trollhattan, Sweden. Filed Oct. 10, 1925. Serial No. 61,711. 4 Claims. (Cl. 253—96.)



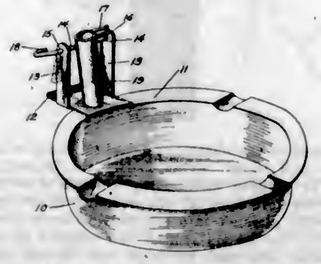
1. In a hydraulic power transmission mechanism, in combination, a blade wheel comprising relatively rotatable sections, and automatic means carried by one of said two adjacent sections to effect coupling and uncoupling of said sections with respect to each other under the control of the other adjacent section.

1,583,737. COTTON CRUSHER AND CULTIVATOR. JAMES P. OLSON, Mobile, Ala. Filed May 7, 1925. Serial No. 28,634. 1 Claim. (Cl. 97—22.)



A machine for the purpose set forth comprising a portable main frame, a lower frame suspended rigidly from the main frame and having openings formed through its front end, a draft bail, a crusher drum carried by the rear end of said bail, connecting devices secured in the front end of the bail and held in and playing loosely through the openings in the front end of the lower frame, and a handle member mounted between its ends upon the main frame and connected with the rear end of the draft bail for raising and lowering the crusher drum.

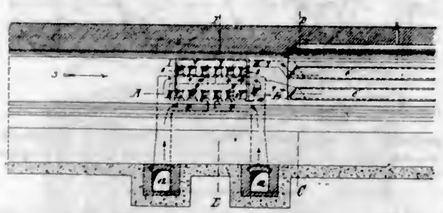
1,583,738. SMOKER'S ARTICLE. MARCELINO OLTRA, Shelton, Conn. Filed Nov. 4, 1925. Serial No. 66,838. 3 Claims. (Cl. 131—51.)



3. In combination with an ash tray, a platform mounted on the side wall thereof, posts rising from said platform, a rocker shaft journalled in said posts for

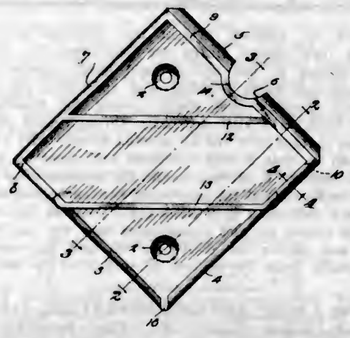
ready removal therefrom, and a tubular member fixedly connected with said rocker shaft, said tubular member being open throughout its length and having one of its ends normally resting upon said platform by reason of its own weight to close the same.

1,583,739. CHANNEL OVEN FOR CERAMIC AND CHEMICAL PURPOSES. HERMANN TRAUGOTT PADELT, Leipzig-Schleussig, Germany. Filed June 27, 1925. Serial No. 40,012. 3 Claims. (Cl. 25—142.)



1. A channel oven for burning ceramic and chemical devices having a plurality of mixing chambers formed within the walls of the oven and terminating in burners for air and gas mixture, supply channels for air, and separate supply channels for gas communicating with the mixing chambers, and separate regulating means for the air and for the gas at each mixing chamber.

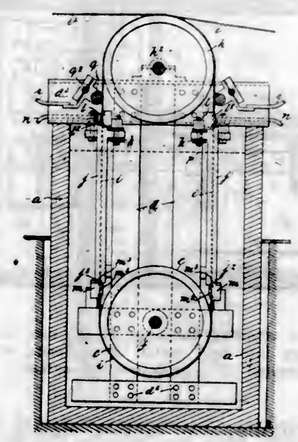
1,583,740. PLACARD HOLDER. EDGAR JOSHUA PALMER, Wichita, Kans. Filed Sept. 28, 1925. Serial No. 59,160. 1 Claim. (Cl. 40—17.)



A card holder comprising a one-piece frame cut out from a single sheet of metal with overhanging card retaining flanges along three edges thereof, and its other end curved to form a retaining lip, a plate formed integral with one of said flanges and adapted to be folded around an adjacent flange, integral strips extending from said plate and the flange which carries it, said strips being spaced from each other, with a plate carried by the free ends of said strips and adapted to be folded around another flange at a diametrically opposite point from the first mentioned plate, and a strip connecting the last mentioned plate with a flange which carries said strip.

1,583,741. APPARATUS FOR THE ELECTRODEPOSITION OF METALS ON WIRE AND STRIP. JOSEPH ARTHUR PARKER, Cwmbran, Wales. Filed Feb. 10, 1925. Serial No. 8,230. 8 Claims. (Cl. 204—11.)

1. An apparatus for the electro-deposition of metals on continuous lengths of material, comprising a tank to contain electrolyte, a pair of drums of non-conductive material spaced apart and around which the material to be treated moves in a coil, one of said drums adapted to be submerged in the electrolyte in the tank with the other above the level of such electrolyte, anodes depending into



the tank closely adjacent the stretches of material between said drums, and cathode means bearing against said stretches of wire above the level of the electrolyte in said tank.

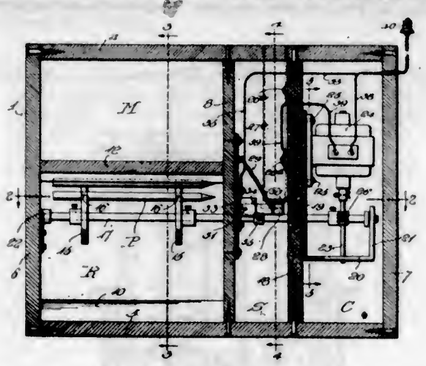
1,583,742. BABY-FEEDING DEVICE. EMMELINE H. PEARSON, Washington, D. C. Filed Apr. 5, 1924. Serial No. 704,452. 1 Claim. (Cl. 128—233.)

A baby feeding device comprising a tubular body open at its ends and having a tapered forward portion, an elastic compressible bulb joined to the rear portion of the body, and a cushioning sleeve of elastic material secured on and surrounding the forward tapered portion of the body; with the outer end arranged flush with the outer end of the tapered portion of the body, an annular flange at the outer end of the cushioning sleeve, the rear end portion of the body being ribbed and the open end of the bulb being sprung over said ribbed portion, and the body being also ribbed back of its forward tapered portion and the cushioning sleeve being sprung over the last-named ribbed portion.

1,583,743. VENDING MACHINE. GEORGE E. PEASE and FREDERICK H. PEASE, Mountain View, Calif. Filed Mar. 26, 1925. Serial No. 18,597. 2 Claims. (Cl. 194—7.)

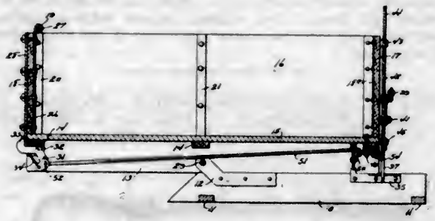
1. A vending machine comprising a casing, a main vertical partition in said casing, providing a dispenser compartment between itself and one end of the casing, a second vertical partition in said casing between the first named partition and the other end wall of the casing, providing a motor compartment and a switch compartment at opposite sides of said second partition, a shaft passing through the two vertical partitions and provided with article dispensing means in said dispenser compartment, a motor mounted in said motor compartment and operatively connected with said shaft, coin-

controlled switch means in said switch compartment for completing the motor circuit when engaged by a coin, and means on the aforesaid shaft in said switch com-



partment for effecting discharge of the coin from said switch means into said switch compartment when the shaft has rotated to a predetermined extent.

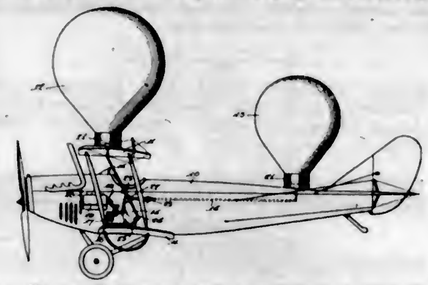
1,583,744. DUMP BODY. JAMES A. POLLARD, San Antonio, Tex. Filed June 9, 1925. Serial No. 35,994. 2 Claims. (Cl. 298—38.)



2. In a dump body construction, stationary sills, a body disposed thereon and pivoted for movement in a vertical direction, an end gate pivotally mounted at the rear end of the body, retaining means on the sills, latch devices on the forward end of the body normally engaging said retaining means, a lever pivoted on the forward end of the body and operatively connected with the latch means for releasing the same from engagement with the retaining means, said lever terminating in a rearward extension, a horizontally disposed angle lever pivoted on the underside of the body and having one arm pivotally and slidably connected with the rearward extension of the lever, a vertically swingable latch pivoted at the rear end of the body and normally holding the end gate closed, and a rod connecting said angle lever with said latch for simultaneously releasing the latter upon disengagement of the first named latch means from the retaining means.

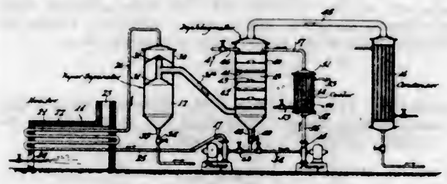
1,583,745. SAFETY ATTACHMENT FOR AIRPLANES. VINCENT J. M. PROCOPIO, New York, N. Y. Filed Nov. 25, 1925. Serial No. 71,307. 3 Claims. (Cl. 244—21.)

1. A safety device attachment for airplanes, comprising inflatable elements mounted on the wings and fuselage of the airplane, receptacles at the point of connection of the inflatable elements with the airplane for receiving and completely covering the elements when deflated, a casing, conduits leading from the casing to the inflatable elements, check valves in the conduits, an air inlet in the casing, means in the inlet for drawing in and compressing air in the casing to supply through the conduits compressed air to the inflatable elements for inflating the same, an auxiliary motor independent of the main motor of the airplane for driving said means, and an auxiliary



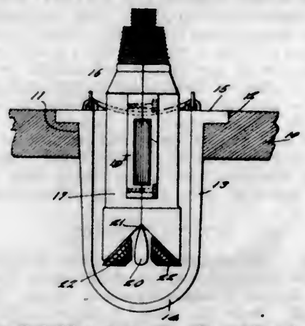
propeller on the motor shaft constituting a propulsion means when the main propulsion means is out of operation.

1,583,746. APPARATUS FOR REFINING OILS. DANIEL PYZEL, Piedmont, Calif., assignor to Simplex Refining Company, San Francisco, Calif., a Corporation of California. Filed Oct. 26, 1921. Serial No. 510,561. 1 Claim. (Cl. 196—99.)



In an oil refining system the combination of: a still; a tight shell; means for delivering the cold oil to be refined to the top of said shell; means inside said shell for finely dividing and spreading the oil as it passes through said shell; means for passing the vapors from said still upwardly through said shell in intimate contact with the oil passing downwardly through said shell so that it may condense and absorb a portion of said vapors; a cooler; means for withdrawing a portion of said oil and its associated condensates from said shell and delivering it to said cooler; means for delivering said cooled oil and condensates into the top of said shell; and means for delivering oil and its associated condensates from the bottom of said shell to said still.

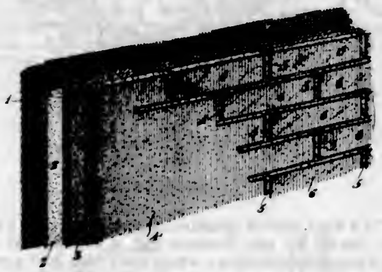
1,583,747. WELL-DRILLING APPARATUS. ISAAC H. REAVIS, Sweet Springs, Mo. Filed June 19, 1925. Serial No. 38,335. 5 Claims. (Cl. 255—1.)



5. In a well drilling apparatus, the combination with a turntable, of a pair of complemental members, each of said members comprising a hollow substantially semi-

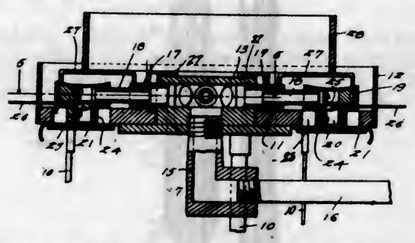
circular portion and a flange at one end of said portion, said members being adapted to be associated to provide a pocket closed at one end and provided at its opposite end with a rectangular flange to engage the walls of the turntable socket, spaced stops provided within the pocket to engage a drill bit and prevent rotation of the latter and means within the pocket to engage and support the bit.

1,583,748. METHOD FOR PRODUCING AN IMITATION TILE OR BRICK EFFECT. PAUL REUTER-LORENZEN, Detroit, Mich. Filed May 8, 1925. Serial No. 28,901. 3 Claims. (Cl. 25—155.)



1. A method of building a wall having an imitation tile or brick effect, consisting in applying throughout to the outer face of a foraminous sheet of metallic lathing a layer of plastic material, then covering said layer throughout with a layer of plastic material of the color of mortar and of a different color from that of the first layer, then applying throughout to said mortar colored layer a colored, finishing layer of plastic material of a different color from that of the mortar colored layer, and prior to the drying of the finishing layer cutting therethrough to provide spaced elongated courses to expose the mortar colored layer and short staggered courses extending at right angles to and each opening into a pair of elongated courses to expose the mortar colored layer and to provide the finishing layer throughout with spaced polygonal-shaped portions.

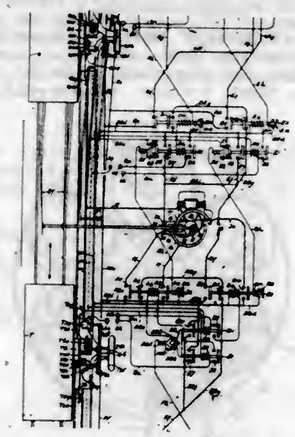
1,583,749. TIRE HEATER. JESSE R. ROBERTSON, Westmoreland, Ala. Filed Jan. 29, 1925. Serial No. 5,551. 6 Claims. (Cl. 110—3.5.)



1. A tire heater comprising a pan, an air distributor disposed centrally of the pan and nozzles connected with the air distributor, said nozzles being adjustable toward and away from the center of the pan to admit of adapting the device to tires of different diameters.

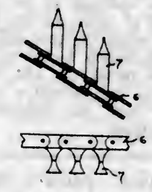
1,583,750. AUTOMATIC DIRECTION OF TRAVELING BODIES. ROBERT EDWARD STOPFORD VENABLES, London, England. Filed Dec. 9, 1920. Serial No. 429,572. 16 Claims. (Cl. 104—26.)

1. Apparatus for sorting or marshalling vehicles comprising a carriage adapted to pass any vehicle with which it is not engaged, means adapted to engage it temporarily with a vehicle, braking means adapted to arrest the carriage and a vehicle engaged with it, a track adapted to guide the carriage to a position abreast of an unsorted vehicle and away from a sorted vehicle, an electric conductor in sections on the track, a brush on the carriage



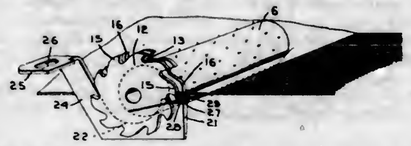
which is electrically connected with the braking means and touches said conductor, and switch means for making or breaking a connection between each conductor section and the current supply which is operated by the passage of a carriage on to or beyond the section.

1,583,751. HARVESTING MACHINE. PERCY TYLER WOODLAND, Durban, Natal, South Africa. Filed May 1, 1923. Serial No. 636,020. 4 Claims. (Cl. 56—118.)



1. In a corn harvester, a wheeled frame, an inclined frame having a longitudinal passage into which the stalks pass as the machine travels forwardly, an upwardly extending longitudinal fixed blade at one side of the passage of the inclined frame, and an endless traveling belt at one side of the said passage and provided with fingers extending over the said passage and projecting above the cutting blade, the fingers having concave faces and beveled ends and cooperating with the cutting blades to sever the ears from the stalks.

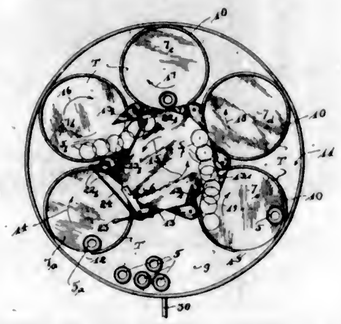
1,583,752. THREAD-CUTTING TEMPLE FOR LOOMS. NEM WILLIAM BRANNON, Greer, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 4, 1926. Serial No. 79,072. 5 Claims. (Cl. 139—302.)



1. A thread cutting temple for looms comprising a roll having means to engage the web of cloth and rotatable by relative movement between the cloth and the temple, a plurality of parallel toothed cutting disks rotatable by

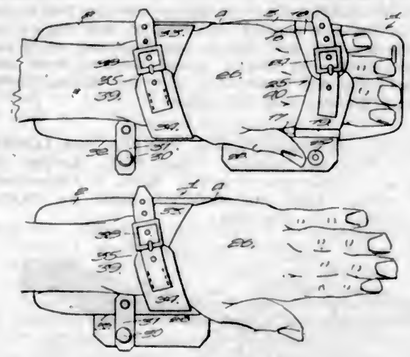
said roll and co-operating stationary cutting means closely fitting therebetween and presenting edges co-operating with the teeth of the respective cutting disks to sever the filling ends engaged thereby.

1,583,753. AMUSEMENT DEVICE. GEORGE P. GOODFELLOW, Pasadena, Calif., assignor of one-half to R. E. Hicks, San Diego, Calif. Filed Oct. 2, 1925. Serial No. 60,007. 2 Claims. (Cl. 104—65.)



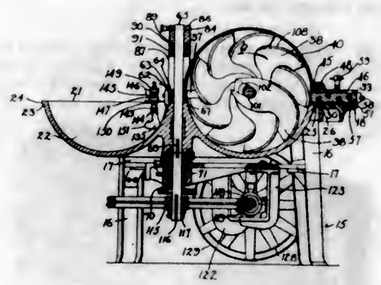
2. In an amusement device, turntables, a frame structure for holding the turntables to rotate around their individual axes, means for rotating the different turntables in certain directions in relation to one another tubs for seating people supported by the turntables and movable thereon, railings on the frame structure encircling the turntables having openings by which the tubs can enter and leave the turntables within the encircling railings, gates in the openings of the railings by which the tubs can be held to rotate on the turntables within the railings and by which the tuba can be diverted into and out of the compartments formed by the railings and by the gates on the turntables, and controlling means for holding, diverting and directing the tubs on the turntables to pass over the different turntables in various courses of actions.

1,583,754. SACK GRIP. FRANK J. ROGERS, Independence, Kans., assignor of one-half to Owen Alonzo Thompson, Independence, Kans. Filed Jan. 10, 1925. Serial No. 1,685. 8 Claims. (Cl. 294—25).



1. A device of the character described consisting of a palm member having a series of pin points projecting therefrom, means for holding said pins against displacement, said means consisting of a detachable backpiece.

1,583,755. MEAT-CUTTING MACHINE. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 7, 1923. Serial No. 673,351. 20 Claims. (Cl. 146—67.)

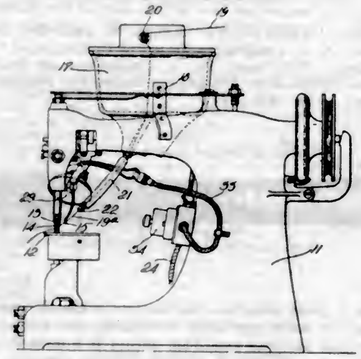


1. In a meat cutting machine, the combination of a main frame having an open forward end, a rotary bowl having an annular meat-trough whose inner face is of arcuate cross-section, an upright shaft extending centrally through said bowl, a bearing for said shaft below said bowl, said bowl extending forwardly of the open end of said main frame, a cross-brace extending above said bowl connecting the forward ends of said main frame, and a bearing for said shaft on said cross-brace above said bowl.

1,583,756. OIL-WELL APPARATUS. JERRY L. SHEA, Shreveport, La. Filed Dec. 20, 1921. Serial No. 523,638. 2 Claims. (Cl. 103—179.)

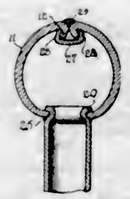
1. Apparatus for swabbing a well casing having sections of varying diameters comprising a string of tubular members secured to each other in longiudinal relation and slidably mounted within the section of the casing of larger diameter, one of the lower members being closed against the upward flow of the liquid therethrough and another of said members being formed with a portion of increased diameter so as to form an inclined annular shoulder constituting a valve seat having a plurality of radial ports extending therethrough, an annular valve slidably mounted on the restricted portion of said tubular member and adapted to close said ports, packing disposed on the lowermost member of said string of tubing adapted to form a liquid seal with the wall of the casing, and means for raising liquid encountered in the sections of the well casing of smaller diameter and for forcing the same upwardly through a portion of the string of tubular members and through the outlet ports into the well casing above the packing member.

1,583,757. THREAD-HEATING MEANS FOR SEWING MACHINES. PERCY W. VALENTINE, Cambridge, Mass., assignor of one-half to Lloyd L. Livingston, Abington, Mass. Filed Sept. 27, 1924. Serial No. 740,407. 10 Claims. (Cl. 112—41.)



1. The combination with a sewing machine and a heated pot of wax through which the thread passes in its course to the stitching instruments, of a heat projector arranged to direct a beam of radiant heat upon the thread between said wax pot and stitching instruments.

1,583,758. METHOD OF CONSTRUCTING BOILERS. RAYMOND E. WHITE, Chicago, Ill., assignor to Winslow Safety High-Pressure Boiler Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1923. Serial No. 630,708. 18 Claims. (Cl. 29—157.4.)

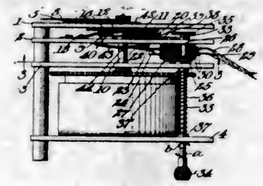


1. The method of constructing communicating tubes, which comprises joining one end of one tube in an apertured plate, and then forming the other tube from said plate.

1,583,759. PROCESS OF TREATING LIME AND PRODUCT DERIVED THEREFROM. FRANK C. MATHERS, Bloomington, Ind., assignor to National Lime Association, Washington, D. C., a Corporation of the District of Columbia. Filed Aug. 22, 1922. Serial No. 583,653. 11 Claims. (Cl. 23—189.)

1. A milk of lime suspension containing a fast settling lime hydrate, said hydrate being characterized by the property of settling quicker than that prepared by slaking with an excess of water.

1,583,760. CLOCK-CONTROLLED SWITCH. GEORGE H. RONEY, Washington, D. C. Filed Dec. 21, 1925. Serial No. 76,851. 1 Claim. (Cl. 200—38.)



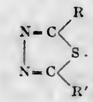
In a clock-controlled switch, a clock mechanism, a switch, means including a cam driven by said clock mechanism for opening and closing said switch at predetermined time intervals, a shaft upon which said cam rotates, means for normally holding said shaft against rotation, an indicator hand carried by said shaft and invisible upon the clock face, a pin carried by said shaft and upon which the face of said cam rides, the adjustment of said pin determining the times of opening and closing of said switch under the influence of said cam, and means for setting the clock hands and for adjusting said shaft, said means inoperative to rotate said shaft upon clockwise rotation of the hands, but causing said cam to engage said pin to turn the shaft and set said indicator hand upon contra-clockwise rotation of the clock hands.

1,583,761. METHOD OF VULCANIZING CAOUTCHOUC AND PRODUCT PRODUCED THEREBY. LORIN B. SEBRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 9, 1924. Serial No. 691,854. 21 Claims. (Cl. 18—53.)

12. A method of accelerating the vulcanization of caoutchouc that comprises vulcanizing the same in the presence of a thiodiazol.

1,583,762. METHOD OF VULCANIZING CAOUTCHOUC AND PRODUCT PRODUCED THEREBY. LORIN B. SEBRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Feb. 9, 1924, Serial No. 691,854. Divided and this application filed Dec. 23, 1925. Serial No. 77,411. 16 Claims. (Cl. 18—53.)

1. A method of accelerating the vulcanization of caoutchouc that comprises vulcanizing the same in the presence of a compound having the general formula:

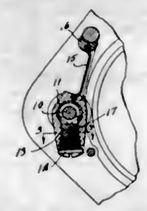


1,583,763. METHOD OF VULCANIZING CAOUTCHOUC AND PRODUCT PRODUCED THEREBY. LORIN B. SARRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Feb. 9, 1924, Serial No. 691,854. Divided and this application filed Dec. 26, 1925. Serial No. 77,874. 8 Claims. (Cl. 18—53.)

2. A method of vulcanizing caoutchouc that comprises admixing caoutchouc with a vulcanizing agent, incorporating in the mix a zinc salt of a compound having the general formula:

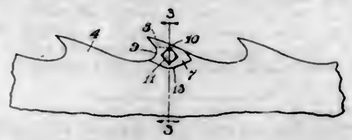
adding an activator thereto and applying heat.

1,583,764. FISHING REEL. CHARLES T. PFLUEGER, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed June 26, 1924. Serial No. 722,497. 3 Claims. (Cl. 242—84.4.)



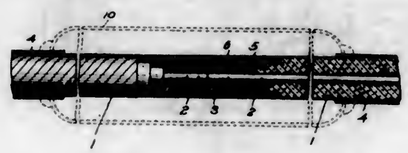
1. A fishing reel, comprising end heads, a spool rotatable between the same, a reversely threaded shaft, a line guide carriage, and a pawl removably mounted in said carriage and movable back and forth in the threads of said shaft, said pawl being provided with eccentrically located means for facilitating the manipulation of said pawl when inserting it into and removing it from said carriage.

1,583,765. FALSE TOOTH FOR SAWS. WILLIAM E. WHITNEY, Helmsburg, Ind., assignor to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana. Filed May 29, 1925. Serial No. 33,632. 3 Claims. (Cl. 76—80.)



1. As a new article of manufacture, a false feeding tooth for broken saw teeth comprising a crown portion conforming to the shape of the portion of the tooth broken off and a body portion secured to the unbroken portion of the tooth and coinciding therewith.

1,583,766. CABLE JOINT. RALPH W. ATKINSON, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1924. Serial No. 752,357. 2 Claims. (Cl. 173—268.)



1. In a joint structure for electric cables a wrapped-on body of solid insulation enveloping the joined conductors and carrying embedded within it a metallic shell in electric union with the conductor-ends adjacent their point of union.

Patents Nos. 1,583,767 to 1,584,708.

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Total	1,378		

Suspension of Patent and Trade-Mark Law of Siam.

U. S. PATENT OFFICE, *Washington, Apr. 27, 1926.*

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

BANGKOK, *February 23, 1926.*

H. E. THE MINISTER FOR THE
UNITED STATES OF AMERICA, BANGKOK.

SIR: We receive frequently from the United States, requests for registering trade-marks and patents, to which we are unable to comply, the law concerning them being suspended for an indefinite period.

We shall feel very much obliged if you will kindly advise the concerned authorities in the United States of this event, so as to avoid unnecessary applications.

We remain, sir, yours obediently,
(Sgd.) L. ROGNON,
Manager.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 17, 1926.*

Charles Smith, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Charles S. Barrell, 425 Beacon Street, Boston, Mass., and patent granted August 19, 1924, No. 1,505,440, to Charles Smith, 4 Garfield Avenue, Duluth, Minn., and a notice of such declaration sent by registered mail to said Smith at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Smith, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Apr. 14, 1926.*

Israel Shapiro, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 1,508,726, granted September 16, 1924, to Israel Shapiro, 2410 East Colfax Street, Denver, Colo., and the applications for patent filed by John Bailey Browning, 546 Hadden Avenue, Camden, N. J.; Daniel E. Jones, 4463 Pershing Avenue, St. Louis, Mo.; Walter Lytton, 1824 Lytton Building, Chicago, Ill.; Frederick K. Vreeland, 228 Orange Road, Montclair, N. J.; Alfred N. Goldsmith, 477 Gramatan Avenue, Mount Vernon, N. Y.; Louis P. Horning, jr., 27 South Broad Street, Elizabeth, N. J.; Raymond E. Schafer, 4264 South Western Avenue, Los Angeles, Calif.; Edwin S. Pridham and Peter L. Jensen, 2725 East Fourteenth Street, Oakland, Calif.; Edward B. Jordan, jr., 162 Hilton Avenue, Hempstead, N. Y.; Robert Gordon French, 517 South Wesley Avenue, Oak Park, Ill.; George L. Israel, 2045 Wendover Street, Pittsburgh, Pa.; William Harrison Cole, 9 Central Avenue, Newark, N. J.; Elmer H. Wilkinson, 948 Penobscot Building, Detroit, Mich.; Grover G. Rehfeld, 6218 Vernon Avenue, Chicago, Ill.; John H. Newman and Herman P. Pullwitt, Chicago Beach Hotel, Chicago, Ill., and 1004 South Highland Avenue, Oak Park, Ill., respectively. The notice of such declaration sent by registered mail to said Israel Shapiro at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Israel Shapiro, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,419,293, L. C. Myers, Sound-muffling pad for typewriting machines, decided March 2, 1926, claim 4.

Pat. 1,420,082, B. J. Dowd, Sound-muffling pad for typewriting machines, decided March 2, 1926, claims 1, 7, 9, and 10.

Pat. 1,510,112, S. H. Shaw, Bumper, decided March 22, 1926, claims 1 and 2.

Condition of Applications Under Examination at Close of Business April 30, 1926.

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,069; Trade-Mark Division, 1,919. Oldest new case, Nov. 4, 1925; oldest amended, Nov. 6, 1925. The dates given are 1926 except where † indicates 1925.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 12	Feb. 18	566
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 15	Jan. 15	543
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 2	Jan. 16	1,092
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 1	Mar. 5	610
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reprodncing; Tying Cords or Strands.	†Dec. 2	†Dec. 2	939
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 11	Jan. 7	1,209
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 8	Feb. 2	814
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 18	Feb. 18	1,001
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	Jan. 7	514
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 26	Feb. 1	945
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 12	Feb. 10	749
380	12. PIERCE, P. P., Machine Elements	Feb. 6	Jan. 30	597
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 9	Mar. 3	586
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 19	Jan. 14	881
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 18	Mar. 1	603
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 1	Jan. 26	907
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering, Type Setting.	Jan. 25	Jan. 13	412
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 21	†Dec. 22	806
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Jan. 26	Feb. 19	497
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Feb. 2	Feb. 8	755
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 11	Feb. 11	480
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 18	Jan. 26	618
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 22	Jan. 14	267
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 11	Feb. 22	492
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Jan. 25	Jan. 29	873
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 7	†Nov. 16	790
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 3	Mar. 1	500
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 18	Feb. 12	861
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 14	†Nov. 16	1,028
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 6	Feb. 19	727
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 24	Feb. 24	829
249	32 BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 6	Feb. 4	529
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 25	Feb. 23	796
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Nov. 4	†Nov. 6	708
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 15	Mar. 9	489
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Feb. 14	Feb. 10	1,007
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Jan. 21	Jan. 20	995
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 16	†Dec. 18	911
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 13	Feb. 2	455
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 9	Feb. 9	1,120
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 1	459
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 15	Feb. 6	935
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 16	Jan. 16	815
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Nov. 16	†Nov. 20	1,006
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 6	Feb. 5	473
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 18	Jan. 20	737
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 23	Feb. 1	1,019
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 18	†Nov. 19	1,644
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes, Driers; Liquid Separation or Purification.	Feb. 23	Feb. 23	526
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 13	Jan. 14	1,236
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 29	†Dec. 29	1,756
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Dec. 7	†Dec. 16	821
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens	Feb. 7	Mar. 1	734
102	Designs: C. O. MARKHAM (Acting)	Apr. 5	Apr. 15	410
163	Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. — Trade-Marks	Mar. 31	Apr. 17	1,810
	Labels and Prints	Apr. 10	Apr. 20	109

* Refers to room numbers in the annex

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

KASSMAN & KESSNER, INC., *v.* ROSENBERG BROS. CO.

No. 1,789. Decided January 4, 1926.

TRADE-MARKS—SAME DESCRIPTIVE PROPERTIES—HATS AND CAPS—MEN'S SUITS AND OVERCOATS.

Where it appeared that men's suits and overcoats are almost invariably sold to stores which handle hats and caps also, that the goods are advertised together, that caps are not infrequently made by tailoring establishments to match suits and by hatters out of remnants from tailoring establishments, and that these articles of wearing apparel fall within the same classification officially made by the Patent Office for the registration of trade-marks, *Held* that the articles in question possess the same descriptive properties.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. Andrew Foulds, jr., for Kassman & Kessner, Inc.

Mr. C. G. Campbell for Rosenberg Bros. Co.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

This is an appeal from a decision of the Commissioner of Patents sustaining an opposition to the registration of a trade-mark.

On January 16, 1923, the appellant applied to the Patent Office for the registration of the trade-mark "Fashion Park" for men's hats and caps, which mark appellant alleged it had theretofore adopted and used. Whereupon the appellee filed an opposition to the registration, based upon three prior registrations of "Fashion Park" as its trade-mark for men's suits and overcoats.

It appears that the opposer adopted the trade-mark "Fashion Park" not later than the year 1915, for men's suits and overcoats; that almost invariably the opposer's goods are sold to stores which handle hats and caps also; and that the opposer has carried on an extensive advertising campaign throughout the entire United States wherein it has featured the trade-mark "Fashion Park", which accordingly has become of great value to it.

It appears that the applicant first adopted the trade-mark "Fashion Park" for hats and caps some time in the year 1922, and is selling its goods under that trade-mark in several of the eastern States.

The controlling question in the case is whether the goods of the respective parties possess the same descriptive properties. If so, it is conceded that the opposition should be sustained under section 5, Trade-Mark Act of February 20, 1905. The Examiner of Interferences held that the goods did not possess the same descriptive properties, and accordingly overruled the opposition; but this decision was reversed upon appeal by the Commissioner of Patents, from whose decision in turn this appeal has been taken.

We are of the opinion that the articles in question possess the same descriptive properties. Moreover it is within common knowledge that such goods are almost always dealt in by the same retail stores, and that if the same trade-mark should be placed upon men's suits and overcoats, and likewise upon hats and caps, all sold over the same counters, it would naturally lead the purchasing public to believe that the goods all came from the same source.

Furthermore, it is a well established rule that where doubt arises upon such a question, the courts incline to resolve the doubt against the newcomer. The reason for this rule is that the field from which a person may select a trade-mark is practically unlimited and hence there is no excuse for impinging upon or even closely approaching the mark of a business rival. *O. & W. Thom Co.* v. *Dickinson*, 240 O. G. 1337; 46 App. D. C. 306; *Lambert Pharmacal Co.* v. *Mentho-Listine Chemical Co.*, 247 O. G. 965; 47 App. D. C. 197; *Waltke & Company* v. *Schafer & Company*, 273 O. G. 630; 49 App. D. C. 254.

There is little need for extended discussion in the instant case since the identical question here presented has been passed upon in an exhaustive opinion by the Circuit Court of Appeals, Third Circuit, in the case of *Rosenberg Bros. & Co.* v. *Elliott*, 7 (2d) Fed. 962, wherein it was held that the trade-mark of the plaintiff (the appellee in this case), to wit, "Fashion Park" for men's suits and overcoats, was infringed by the defendant, using the same mark for hats and caps. The court spoke in part as follows:

> It is common knowledge that men's clothing and men's hats and caps are worn together. According to the evidence in this case, they are ordinarily sold together. They flow through the same channels of trade. Dealers in this country who sell men's suits and overcoats almost universally sell men's hats and caps. And they are advertised together. Moreover, caps are not infrequently made by tailoring establishments to match suits and they are frequently made by hatters out of remnants from tailoring establishments. We think these articles of wearing apparel, falling within the same classification officially made by the Patent Office for the registration of trade-marks, though different in species, are so related as to constitute "merchandise of the same descriptive properties" (*Collins Co.* v. *Oliver Ames Co.*, 18 Fed. 561; *Florence* v. *Dowd*, 178 Fed. 73; *Van Zile* v. *Norub Mfg. Co.*, 228 Fed. 829; *National Picture Theatres* v. *Foundation Film Corporation*, 266 Fed. 208; *Aluminum Cooking Co.* v. *Sargoy*, 276 Fed. 447, and that the complainant's trade-mark, long used to identify the origin and guaranty the quality of its wares, should not be used by the respondent in leading the public to believe that his hats and caps are made by the clothing manufacturer with whose trade-mark it is familiar. We find infringement.

The decision of the Commissioner of Patents is affirmed.

Court of Appeals of the District of Columbia.

IN RE JOLLENBECK.

No. 1,807. Decided March 1, 1926.

1. NOLAN ACT OF MARCH 3, 1921—WHAT CONSTITUTES AN "APPLICATION" UNDER SECTION 1 OF THIS ACT—DEFECTIVE OATH.

An application accompanied by an affidavit by the attorney and complete in every particular except that the formal oath, although signed by the applicant, was not sworn to by him, constituted an "application" within the purview of section 1 of the Nolan Act of March 3, 1921, notwithstanding the informality of the oath.

2. SAME—SHOULD BE LIBERALLY CONSTRUED.

The Nolan Act was remedial in character and should be liberally construed with a view to effectuating its legislative purpose.

3. SAME—SCOPE OF THE TERM "APPLICATION" AS EMPLOYED IN THE ACT.

The term "applications" was employed in the Nolan Act in a peculiarly broad and comprehensive sense.

APPEAL from Patent Office. Reversed.

Mr. Harry C. Robb for Jollenbeck.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and BLAND, Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

This is an appeal from a decision of the Commissioner of Patents rejecting appellant's application for a patent, upon the ground that his claims were anticipated by a British patent to Schuch, and a French patent to Hoffman, both assignees of appellant, covering the same invention. The Commissioner held that the applications for the foreign patents had been filed more than 12 months prior to the filing of appellant's application in this country, and accordingly that his application should be refused under section 4887, Revised Statutes.

The appellant claimed that on August 24, 1916, he had filed an application for a patent in Germany for the same invention, and that under section 4887, Revised Statutes, he was entitled to that filing date in case he filed a similar application in this country within 12 months after the date of the German application. He claimed that the limitation of 12 months was afterwards extended by the Nolan Act, 41 Stat. 1313, so that said priority of filing date was allowed in case his application was filed in this country at any time prior to the expiration of six months after the passage of that act. Appellant claimed that his present application was filed within that period, to wit, on June 26, 1920, the Nolan Act having been approved on March 3, 1921. Appellant accordingly claimed that he was entitled to a filing date of August 24, 1916, and that his application should not be refused because of the subsequent issue of patents to his assignees in Great Britain and France.

The Commissioner overruled this contention; hence this appeal.

It appears that on August 24, 1916, the appellant, a German subject, filed an application in Germany in the name of his assignee, Schuch, for a patent upon this invention. A corresponding application was filed in the same name in Great Britain on April 26, 1920, upon which a patent was issued on July 26, 1921. A similar application was filed in the name of Hoffman, another assignee of appellant, in France on November 7, 1919, a patent issuing on May 15, 1920. Afterwards, to wit, on June 26, 1920, appellant filed an application in his own name in the United States Patent Office, covering the same invention. The application was complete in every particular except that the formal oath, although signed by appellant, was not sworn to by him. An affidavit by the appointed attorney, however, was filed with the application, alleging that the statements of the applicant were true, and that his failure to make oath thereto was due to the fact that at that time there was no consular officer of the United States available who was authorized to administer such oaths. It appears from the record that for a certain period ending with June 15, 1920, it was the practice of the Patent Office to accept applications verified by the attorney instead of the applicant, but the practice was discontinued after that date. Inasmuch as this application was filed 11 days after this change of practice the Commissioner of Patents held it to be incomplete for want of an oath by the applicant, and at once gave notice that it would not be given a filing date until an oath properly signed and executed had been filed. No other oath was filed within the ensuing year, whereupon the application was regarded as abandoned, and the papers were sent to the abandoned files.

On March 3, 1921, the Nolan Act was passed, entitled "An act to extend temporarily the time for filing applications for Letters Patent, for taking actions in the United States Patent Office with respect thereto, for the reviving and reinstatement of applications for Letters Patent, and for other purposes".

The act first provided—

> that the right of priority provided by section 4887 of the Revised Statutes, for the filing of applications for patent for inventions and designs, which rights had expired on the 1st day of August, 1914, or which have arisen since the 1st day of August, 1914, shall be, and the same are hereby, extended until the expiration of a period of six months from the passage of this act.

By section 2 of the same act it was provided—

> that the time now fixed by law for the payment of any fee or the taking of any action with respect to an application for patent, which time had not expired on August 1, 1914, or which commenced after August 1, 1914, is hereby extended until the expiration of one year from the passage of this act, without the payment of extension fees or other penalty.

These privileges were in terms limited to citizens of the United States or citizens of other countries extending reciprocal privileges to citizens of this country.

Upon a day falling within the year next following the passage of the Nolan Act, to wit, on February 3, 1922, appellant filed with the Office a duly-authenticated oath together with a verbatim copy of the papers theretofore filed on June 26, 1920, the drawing and fee being transferred from the former files, and claimed a reinstatement of his application and the granting of a patent under the foregoing provisions of the act. The Commissioner, however, held that the papers filed by appellant on June 26, 1920, owing to the informal affidavit, did not constitute an "application" within the sense of the Nolan Act, and therefore that the filing upon that date was not aided by section 1 of the act. The Commissioner also held that the subsequent filing of the formal affidavit on February 3, 1922, did not avail appellant under the Nolan Act, since the application thereby completed would be given that date, to wit, February 3, 1922, as a filing date, which would be more than 12 months later than the filing dates of the British and French patents of Schuch and Hoffman. The Commissioner accordingly rejected appellant's application.

[1, 2, 3] We think this ruling erroneous. In our opinion the papers filed by appellant on June 26, 1920, constituted an "application" within the purview of section 1 of the Nolan Act, notwithstanding the informality of the affidavit. The act was remedial in character and should be liberally construed with a view to effectuating its legislative purpose. That purpose manifestly was to afford relief to foreign inventors applying for patents in this country, and correspondingly to inventors in this country applying for patents abroad, who were prevented by conditions prevailing during war times and thereafter, from seasonably filing applications for patents or completing or proceeding with applications already filed. Full relief could be afforded only by extending the time for the filing and completing of such applications without prejudice to the applicant because of the delay. The term "applications" accordingly was employed in the act in a peculiarly broad and comprehensive sense. For example section 4 of the act provides for certain "applications for patent" in which the petition, specification, and oath, were all executed by agents of the inventor; section 5 provides for certain "applications for patent" in which the oath was executed before officers not qualified to administer such oaths.

We therefore conclude that the provisions of section 1 of the act relating to "applications for patent," apply to appellant's filing of June 26, 1920, notwithstanding the requirement of the formal oath which was filed on February 3, 1922. Accordingly by force of the provisions of section 1 of the Nolan Act appellant's application became entitled to the same filing date as the German application, and thus avoided the bar of the British and French patents issued to appellant's assignees.

It may be added that according to the record Germany has extended to citizens of the United States reciprocal privileges substantially similar to those claimed by appellant herein, and that these have been applied by the German authorities consistently with appellant's contentions in this case.

The decision of the Commissioner of Patents rejecting appellant's application is reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

986,758, P. Richert, Taximeter or fare indicator; 1,033,056, same, Locking shutter for taximeters; 1,084,032, same, Taximeter, suit filed Nov. 26, 1924, D. C., S. D. N. Y., Doc. E 30/292, *Pittsburgh Taximeter Co.* v. *J. Rosner*. Order dismissing complaint without prejudice Mar. 23, 1926.

1,018,502, Just & Hanaman, Incandescent body for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, suit filed Mar. 20, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1797, *General Electric Co.* v. *Automobile Bulb Corp. et al.*

1,033,056. (See 986,758.)

1,084,032. (See 986,758.)

1,149,495, G. C. Carson, Metallurgical furnace; 1,302,307, same, Construction of the roof of open-hearth and reverberatory furnace, suit filed Mar. 19, 1926, D. C. Nev., Doc. E 126, *Carson Investment Co.* v. *Nevada Consolidated Copper Co.*

1,180,159. (See 1,018,502.)

1,215,569, W. Mitchell, Guard for stalls, suit filed Mar. 25, 1926, D. C., W. D. Wis., Doc. E 113, *Mitchell Mfg. Co.* v. *Human Stanchion Works.*

1,222,358, H. E. Campbell, Metal window frame and sash, suit filed Mar. 15, 1926, D. C., S. D. N. Y., Doc. E 35/400, *Campbell Metal Window Corp.* v. *Truscon Steel Co. et al.*

1,274,497, F. H. Auld, Device for securing name plate, and the like, order dismissing cause without prejudice, (notice dated Mar. 25, 1926), D. C., S. D. Ohio (W. Div.), Doc. E 402, *The D. L. Auld Co.* v. *Fox et al.*, (*The Gustave Fox Co.*).

1,302,307. (See 1,149,495.)

1,316,670. (See 1,483,932.)

1,389,413. (See Re. 15,486.)

1,403,532, W. L. Wright, Closure disk for containers, suit filed Mar. 8, 1926, D. C., E. D. Wis., Doc. 1821 C D, *Oswego Falls Corp. et al.* v. *S. & S. Paper Products Co. et al.*

1,410,007, R. F. Downey, Mushroom light, decree dismissing bill Feb. 26, 1926, D. C., E. D. Wis., Doc. 1408 C D, *The Traffic Signal Light Mfg. Co.* v. *Safety Traffic Signal Light Mfg. Co. et al.*

1,421,283, E. T. Meakin, Apparatus for producing fish meal, included by cross bill in suit filed Feb. 4, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1630, *S. Hiller, Inc.*, v. *Press Mfg. Co., Inc.*

1,462,883, W. S. Cloud, Process and apparatus for making confections, J. D. Roszell Co. shall assign to W. S. Cloud the entire right, title, and interest in and to aforesaid patent, Mar. 18, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1361, *J. D. Roszell Co.* v. *The Euclid Candy Co. and W. S. Cloud.*

1,483,932, O. A. Ellis, Rock and ore crushing mill; 1,316,670, M. J. Barnett, Centralized ball mill, patents held valid and infringed, injunction granted (notice dated Mar. 20, 1926), D. C., N. D. Calif. (San Francisco), Doc. E 1617, *A. E. Ellis* v. *K. & K. Machinery Co.*

1,542,693, Gordon & Eckstein, Table, suit filed Mar. 18, 1926, D. C., S. D. N. Y., Doc. E 35/225, *S. Gordon et al* v. *Cromicell Shops, Inc.* Decree pro confesso sustaining patent and granting injunction (notice dated Mar. 19, 1926).

1,548,465, J. P. Henry, Process for the reproduction of wood grains, suit filed Mar. 22, 1926, D. C., N. D. Ohio (W. Div.), Doc. E 630, *The Vance Mfg. Co. et al.* v. *Oxford Varnish Corp. et al.*

1,551,515, W. K. Howe, Automatic train-control system, suit filed Mar. 16, 1926, D. C. Minn. (3d Div.), Doc. 811, *General Railway Signal Co.* v. *Great Northern Railway Co.*

1,574,424, H. A. Hatch, Condenser, suit filed Mar. 29, 1926, D. C., S. D. N. Y., Doc. E 36/106, *Splitdorf Electrical Co.* v. *Dubilier Condenser & Radio Co.*

Re. 15,486, E. Hatch, Building machine; 1,389,413, P. Wright, Wire-tying machine; Re. 15,486 held valid, but not infringed; A. J. Gerrard, sole owner, subject to license granted Gerrard Wire Tying Machine Co., bill dismissed (notice dated Mar. 22, 1926), D. C., N. D. Calif. (San Francisco), Doc. E 1343, *A. J. Gerrard et al.* v. *The Eby Machinery Co.*

Re. 15,971, W. N. Shrum, Antileak composition, cause dismissed (notice dated Mar. 25, 1926), D. C., S. D. Tex., Doc. E 252, *Modern Chemical Mfg. Co.* v. *Stadtler Auto Supply Co.*

Re. 16,292, C. E. Evans, Bundle binding and tying machine, suits filed Mar. 23, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1652, *C. E. Evans et al.* v. *A. Fox*, and Doc. E 1653, *C. E. Evans et al.* v. *K. & L. Box & Lumber Co.*

Des. 42,398, J. Rousso, Towel cabinet, suit filed Mar. 25, 1926, D. C., S. D. N. Y., Doc. E 36/79, *J. Rousso* v. *Eleo Towel Cabinet Co., Inc.*

Des. 65,909, Geiger & Geiler, Domestic-refrigerator casing, suit filed Mar. 19, 1926, D. C., W. D. N. Y., Doc. E 958, *Iceola Corp.* v. *F. G. Slagel et al.*

Des. 66,055, H. Abrams, Ceiling plate for lighting fixtures, suit filed Mar. 27, 1926, D. C., S. D. Ill. (N. Div.), Doc. 518, *Crescent Brass Mfg. Co.* v. *Mid-West Foundry Co.*

Destruction of Files in the German Patent Office.

U. S. PATENT OFFICE, *Washington, Apr. 27, 1926.*

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

[From Consul General William Coffin.]

BERLIN, GERMANY, *April 1, 1926.*

The Federal Patent Office announces in the Reichsanzeiger of March 25, 1926, that unless request for the preservation of specific files is made to it by May 1, 1926, the following records will be destroyed:

Patents granted and patent applications which did not result in the granting of a patent if 15 years have elapsed from the end of the year in which the protection expired or the application was properly filed.

Models (Gebrauchsmuster) which were canceled 10 years ago; likewise trade-marks canceled 10 years ago; and trade-mark applications which did not result in registration, provided 10 years have elapsed since the end of the year in which the application was properly filed.

Applications for the issuance of a compulsory license, for annulment or withdrawal, provided 15 years have elapsed since the termination of the year in which the protection of the patent forming the object of the respective procedure expired.

Changes in German Patent Fees.

U. S. PATENT OFFICE, *Washington, Apr. 27, 1926.*

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

[From Consul General William Coffin.]

BERLIN, GERMANY, *April 1, 1926.*

On March 26, 1926, a bill was passed by the Reichstag by which the German patent fees are considerably reduced. The cost of maintaining the validity of a patent in Germany for an 18-year period amounted hitherto to 10,085 Rm., which figure is now reduced to 7,120 Rm. The annuities for patents are so revised that for the first six years they are below 100 Rm. Supplementary patents hereafter are subject only to an annuity for the first year, in the full amount of the regular fee, but are exempt for the ensuing years. The renewal fee for trade-marks is reduced 50 per cent. The penalty for arrears which amounted to 25 per cent of the amount overdue is reduced to 10 per cent.

The application fees for patents and models are increased from 15 to 25 Rm. and from 10 to 15 Rm., respectively.

The revised fees become effective on April 1, 1926. They apply to all payments falling due after that date.

There follows a comparative table of the revised and previous fees:

	Fees.	
	Revised.	Previous.
I. Patents.	*R.M.*	*R.M.*
Application fee	25	15
Annuities:		
First year	30	30
Second year	30	30
Third year	30	30
Fourth year	30	50
Fifth year	50	100
Sixth year	75	150
Seventh year	100	200
Eighth year	150	250
Ninth year	200	300
Tenth year	300	400
Eleventh year	400	500
Twelfth year	500	600
Thirteenth year	600	700
Fourteenth year	700	800
Fifteenth year	800	1,000
Sixteenth year	900	1,300
Seventeenth year	1,000	1,600
Eighteenth year	1,200	2,000
Filing protest	20	20
Application for letters of annulment, for withdrawal or the issuance of a compulsory license	50	50
Application for registration of appeal	150	150
II. Models (Gebrauchsmuster).		
Application for registration	15	10
Prolongation of period of protection	60	100
III. Trade-marks.		
Application for registration:		
Application fee	15	15
Classification fee	5	5
Registration	15	15
Renewal:		
Renewal fee	50	100
Classification fee	5	5
Application for registration of a society emblem:		
Application fee	100	100
Classification fee	15	15
Registration of a society emblem	100	100
Renewal of a society emblem:		
Renewal fee	500	500
Classification fee	15	15
Filing protest	20	20
Application for cancellation	50	50

The bill is published in Reichsgesetzblatt II, page 181.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 11, 1926.

[VOL. 346. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 173,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN NOVELTY CO., Brooklyn, N. Y. Filed Dec. 29, 1922.

CHAMPION

Particular description of goods.—Candy.
Claims use since about Dec. 22, 1922.

Ser. No. 196,311. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE LORTEX COMPANY, New York, N. Y. Filed Apr. 29, 1924.

DOLLY-DIMPLE

Particular description of goods.—Shirtings, Dress Goods, and Drapery Fabrics in the piece.
Claims use since Jan. 28, 1924.

Ser. No. 197,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE E. L. PATCH COMPANY, Stoneham, Mass. Filed May 15, 1924.

CHICKILICK

"Chickilick."
Particular description of goods.—Medicinal Ingredient for Poultry.
Claims use since Apr. 17, 1924.

Ser. No. 198,482. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUMMIT VARNISH COMPANY, Summit, Ill. Filed June 12, 1924.

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Prepared Shellac.
Claims use since January, 1922.

Ser. No. 198,542. (CLASS 25. LOCKS AND SAFES.) TERNSTEDT MANUFACTURING COMPANY, Detroit, Mich. Filed June 13, 1924.

The words "Heavy Duty Hardware" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Automobile Body Hardware Comprising Coach Locks, Keys, Striker Plates.
Claims use since Feb. 1, 1924.

Ser. No. 199,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES FLOYD TOUCHTON, doing business as Son-Rize Laboratories, Dade City, Fla. Filed July 11, 1924.

SON-RIZE

Particular description of goods.—Medicine for Coughs, Colds, Hoarseness, and Inflamed Condition of the Lungs and Air Passages, Female Tonic, Eyewater, Catarrhal Balm, Pile Ointment, Laxative Liver Tonic, and Aromatic Cascara Sagrada Compound.
Claims use since December, 1910.

Ser. No. 204,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LADISH-STOPPENBACH COMPANY, doing business as The Ladish Company, Milwaukee, Wis. Filed Oct. 20, 1924.

The lining shown on the drawing is used for shading purposes only, and the descriptive words are disclaimed. No claim is made to the words "The Ladish Company, Milwaukee, Wis., U. S. A." apart from their association as shown in the drawing.

Particular description of goods.—Chick-Starter Mash, Egg Mash With Buttermilk, Growing Mash With Buttermilk, Developer Feed, Pigeon Feed, Scratch Feed, Dairy Feed, and Baby-Chick Feed.

Claims use since Mar. 16, 1919.

Ser. No. 205,852. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BEHRINGWERKE AKTIENGESELLSCHAFT, Marburg, Germany. Filed Nov. 26, 1924.

Serüle

Particular description of goods.—Syringes and Instruments for Dentists, Physicians, and Surgeons; Adhesive Plasters for Dressing and Strengthening; and Dressing Material in the Form of Gauze, Bandages, and Similar Absorbent Material.

Claims use since Aug. 22, 1924.

Ser. No. 206,957. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924

GIRL G S SCOUTS

Particular description of goods.—Baggage, Animal Equipments, Portfolios, and Pocketbooks—viz, Haversacks, Knapsacks, Luggage Carriers, Canteens, Toilet Kits, Sewing Kits, Mess Kits, First-Aid Kits, Ponchos, Cross Belts and Straps for Carrying Accouterments, and Sacks and Flag Carriers.

Claims use since November, 1924.

Ser. No. 206,958. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Iodine Pen or Carrier, Absorbent and Medicated Cotton, Bandages, Adhesive Medicinal Tape.

Claims use since April, 1923.

Ser. No. 206,959. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Belt Suspension Hooks for Carrying Articles and Plates, Pans, Cups, and Kettles.

Claims use since November, 1924.

Ser. No. 206,963. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Axes, Pocketknives, Camp Knives, Hunting Knives, Table Knives and Forks, Spoons of Tinware, of Enamel Ware, and of Aluminum Ware.

Claims use on knives and forks since November, 1924, and on pocketknives and axes since November, 1921.

Ser. No. 206,964. (CLASS 37. PAPER AND STATIONERY.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Loose-Leaf Binders and Sheets Therefor, Writing Tablets, Writing Papers, Envelopes, Pens, Pencils, Papeteries, Blank Registers, Blank Measurement Cards, Blank Record Books, Blank Books, Blank Labels, and Post Cards.

Claims use since November, 1924.

Ser. No. 206,965. (CLASS 36. MUSCIAL INSTRUMENTS AND SUPPLIES.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Whistles and Bugles.

Claims use on whistles since November, 1922, and on the other goods mentioned since November, 1924.

Ser. No. 206,968. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Buttons, Braids, Needles, Thimbles, of Nonprecious Materials.

Claims use since November, 1924.

Ser. No. 206,969. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Blankets, Neckerchiefs, Handkerchiefs, Woolen Goods in the piece, Cotton Goods in the piece.

Claims use on cotton goods since April, 1921, and on other goods since November, 1924.

Ser. No. 207,158. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UTICA KNIFE AND RAZOR COMPANY, Utica, N. Y. Filed Dec. 23, 1924.

"RED POINT"

Particular description of goods.—Razors, Shears, and Hair Clippers.

Claims use since October, 1921.

Ser. No. 207,925. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CHAS. FISCHER SPRING CO., Brooklyn, N. Y. Filed Jan. 10, 1925.

CARDINAL

The word "Cardinal" is lined to indicate shading only.

Particular description of goods.—Radio Accessories—Namely, Bezels, Switches, Jacks, Tuning Coils, Loop Aerials, Spring Aerials, Headbands, Rheostats, Condensers, and Complete Radio Receiving Sets.

Claims use since Nov. 5, 1924.

Ser. No. 208,011. (CLASS 37. PAPER AND STATIONERY.) RATODEX, INC., Chicago, Ill. Filed Jan. 12, 1925.

RATODEX

"Ratodex."

Particular description of goods.—Loose-Leaf Card System Having Printed Thereon Divers Freight Classifications and Tariffs.

Claims use since Oct. 10, 1924.

Ser. No. 208,359. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARTHUR L. PATSTONE, doing business as Aywon Storage Battery Co., Quincy, Mass. Filed Jan. 20, 1925.

AYWON

No claim is made herein to the symbol "A1" apart from the mark shown in the drawing.

Particular description of goods.—Radio Apparatus Comprising Rheostats, Vacuum-Tube Controls, Receiving Transformers, Variable Inductors, Loading Coils, and Radio Receiving Sets; Electric Horns for Vehicles, Electric Lighting and Starting Systems for Vehicles and Boats, and Electric Batteries.

Claims use since Dec. 1, 1924.

Ser. No. 208,799. (CLASS 11. INKS AND INKING MATERIALS.) EASTERN CARBON BLACK COMPANY, Charleston, W. Va. Filed Jan. 29, 1925.

TRIANGLE BRAND

The word "Brand" is disclaimed.
Particular description of goods.—Carbon Black Adapted for Use as an Ink Pigment.
Claims use since 1918.

Ser. No. 209,981. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FERDINAND SCHUCHHARDT BERLINER FERNSPRECH-UND TELEGRAPHENWERK AKTIENGESELLSCHAFT, Berlin, Germany. Filed Feb. 21, 1925.

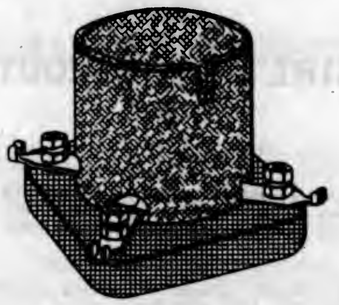
Particular description of goods.—Telegraph and Telephone Systems, as Well as Parts Thereof and Accessories Therefor—Namely, Telegraph and Telephone Switchboards, Telephone Receivers, Telephone Transmitters, Microphones, Operators' Telephone Sets, Telephone Head Sets, Telephone Chest Transmitters, Induction Coils, Magneto Inductors, Telegraph and Telephone Call Bells, Hook Switches, Jacks, Drops, and Signal Lamps, Lamp Sockets and Lamp Jacks, Drop Strips, Jack Strips and Lamp Strips, Plugs, Cords for Plugs, Switches, Keys, Repeating Coils, Resistances, Relays, Impedance Coils, Condensers, Terminal Strips, Automatic Selector Switches, Impulse Transmitting Devices, Distributor Disks, and Artificial Lines; Also Radio Receiving Sets, as Well as Parts Thereof and Accessories Therefor—Namely, Head Sets, Loud Speakers, Variable Condensers, Detectors, Detector Tubes, Amplifying Tubes, Radio Storage Batteries, and Radio Dry and Wet Battery Cells.
Claims use since Oct. 19, 1922.

Ser. No. 210,630. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE STURDY MANUFACTURING CO., Stroudsburg, Pa. Filed Mar. 6, 1925.

STURDY SLATE

Particular description of goods.—Preparation for Finishing Slate, Stone, Glass, Tile, Earthenware, Urinal Stalls, Counters, and Articles of Furniture. The preparation herein referred to is a liquid which is applied to the surface of slate and similar material by spraying, painting, or otherwise to provide a finishing coat which when dry gives a polish appearance simulating a marble finish.
Claims use since Jan. 2, 1923.

Ser. No. 210,714. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CUTLER-HAMMER MFG. CO., Milwaukee, Wis. Filed Mar. 9, 1925.



The mark consists in the colors orange and black arranged as shown in the drawing, wherein the base portion of the tube socket is lined to indicate black and the cylindrical portion to indicate orange. No claim is made to the representation of the goods.
Particular description of goods.—Vacuum-Tube Sockets.
Claims use since on or about Sept. 12, 1924.

Ser. No. 210,790. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Mar. 10, 1925.

SOFT CRAFT

Particular description of goods.—Collars and Dress, Negligee, and Work Shirts.
Claims use since Jan. 26, 1925.

Ser. No. 210,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT G. GROBLEWSKI & CO., INCORPORATED, Plymouth, Pa. Filed Mar. 11, 1925.

TROJANKA

Particular description of goods.—Medicine for the Alleviation of Indigestion, Dyspepsia, and Liver Complaint.
Claims use since 1893.

Ser. No. 211,197 (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Mar. 18, 1925.

MODEX

Particular description of goods.—Composition Roll Roofing and Shingles.
Claims use since about Feb. 15, 1915.

Ser. No. 211,229. (CLASS 39. CLOTHING.) THE ROYER SHOE COMPANY, Brockton, Mass. Filed Mar. 18, 1925.

No claim is made to the words "Shoes for Men."
Particular description of goods.—Shoes.
Claims use since Mar. 5, 1925.

Ser. No 211,461. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE THOS. J. CORCORAN LAMP CO., Cincinnati, Ohio. Filed Mar. 23, 1925.

SCAT-R-HEET

No claim is made herein to the words "Scatter Heat."
Particular description of goods.—Electric Heaters of the Reflector Type.
Claims use since Feb. 18, 1925.

Ser. No. 212,440. (CLASS 39. CLOTHING.) JENNY LIND, Louisville, Ky. Filed Apr. 9, 1925.

JENNY LIND
LOUISVILLE, KY.

The words "Louisville, Ky." appearing on the drawing are disclaimed.
Particular description of goods.—Women's Dresses, Women's Coats, and Women's Hats.
Claims use since Mar. 1, 1924.

Ser. No. 212,760. (CLASS 33. GLASSWARE.) SWINDELL BROTHERS, Baltimore, Md. Filed Apr. 15, 1925.

BOTTLES
LUSTRUS

No claim is made for the word "Bottles" apart from the mark shown in the drawing.
Particular description of goods.—Glass Bottles.
Claims use since Feb. 1, 1925.

Ser. No. 213,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Apr. 24, 1925.

ARDEN

Particular description of goods.—Canned Fruits, Canned Vegetables, Fresh Deciduous and Citrous Fruits, Fresh Vegetables.
Claims use since Mar. 31, 1925.

Ser. No. 213,309. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France, Filed Apr. 25, 1925.

STIBYAL

Particular description of goods.—Tartar of Antimony and of Sodium.
Claims use since Oct. 17, 1924.

Ser. No. 215,064. (CLASS 2. RECEPTACLES.) FIRST AID EQUIPMENT & SUPPLY CO., Los Angeles, Calif. Filed May 29, 1925.

PACIFIC

The cross shown as part of applicant's mark is never used in red color nor on a red background.

Particular description of goods.—Empty First-Aid Cases.

Claims use since July, 1920.

Ser. No. 215,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed June 1, 1925.

Premier

Particular description of goods.—Baking Chocolate Unsweetened.

Claims use since Feb. 15, 1925.

Ser. No. 215,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTLAND FLOUR MILLS CO., San Francisco, Calif. Filed June 11, 1925.

ALBINA BELLS

Particular description of goods.—Wheat Flour.

Claims use since February, 1925.

Ser. No. 216,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KLINK CITRUS ASSOCIATION, Ivanhoe, Calif. Filed July 6, 1925.

IVANHOE

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since Jan. 1, 1925.

Ser. No. 217,699. (CLASS 5. ADHESIVES.) DYE AND CHEMICAL COMPANY OF CANADA, LIMITED, Kingston, Ontario, Canada. Filed July 22, 1925.

Vitroid

Particular description of goods.—Vitreous and Wax-like Material, a Binder or an Adhesive Cement for Joining Materials Such as Metal, Glass, China, Earthenware, Pottery, Enamel, and the Like or for Similar or Allied Purposes.

Claims use since Feb. 28, 1925.

Ser. No. 217,754. (CLASS 32. FURNITURE AND UPHOLSTERY.) JEANNETTE VAN VLECK BROTHERS, Great Barrington, Mass. Filed July 23, 1925.

Years Ago

Particular description of goods.—Antique Furniture—Namely, Beds, Bureaus, Chairs, Tables, Test Stools, Sideboards, Stands, Desks, Sofas, Benches, Cupboards, and Chests.

Claims use since Nov. 1, 1924.

Ser. No. 218,468. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CAWARD DART COMPANY, Waterloo, Iowa. Filed Aug. 6, 1925.

Dart

Particular description of goods.—Gasoline-Filling-Station Pumps.

Claims use since on or about July, 1921.

Ser. No. 219,430. (CLASS 39. CLOTHING.) THE WILLIAM HENGERER COMPANY, Buffalo, N. Y. Filed Aug. 27, 1925.

Prudence

Particular description of goods.—Hosiery.

Claims use since December, 1923.

Ser. No. 220,337. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE ENGINEERING PRODUCTS CORPORATION, INC., New York, N. Y. Filed Sept. 17, 1925.

Epco

Particular description of goods.—Dust Masks to Prevent the Inhaling of Dust and Other Deleterious Matter and are Similar to Masks Worn by Factory Workers.

Claims use since on or about Jan. 1, 1925.

Ser. No. 220,764. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) DOULTON & CO. LIMITED, Lambeth, London, England. Filed Sept. 25, 1925.

ROYAL-DOULTON ENGLAND

The words "Doulton" and "England" are disclaimed apart from the mark shown.

Particular description of goods.—Pottery, Earthenware, and China.

Claims use since Dec. 3, 1921.

Ser. No. 220,765. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) DOULTON & CO. LIMITED, Lambeth, London, England. Filed Sept. 25, 1925.

ROYAL-DOULTON ENGLAND

The words "Doulton" and "England" are disclaimed apart from the mark shown.

Particular description of goods.—Pottery, Earthenware, and China.

Claims use since Dec. 3, 1921.

Ser. No. 221,223. (CLASS 39. CLOTHING.) ROBERT ZERMAN, doing business as Robert Zerman Company, New York, N. Y. Filed Oct. 3, 1925.

TIP-TOP

Particular description of goods.—Boys' Blouses, Dress and Negligee Shirts, and Pyjamas.

Claims use since 1910.

Ser. No. 221,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KENNETH P. HUSSEY AND J. H. FINN, doing business as Churn Products Company, Los Angeles, Calif. Filed Oct. 13, 1925.

The words "Fresh from the Churn" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Butter.

Claims use since June 15, 1925.

Ser. No. 221,700. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GLEAM MANUFACTURING CO., Davenport, Iowa. Filed Oct. 14, 1925.

GLEAM
KEEPS IT CLEAN

Applicant disclaims the right to the exclusive use of the words "Keeps It Clean" apart from the mark as shown.

Particular description of goods.—Cleaning Compound for Use Upon Painted, Varnished, or Enameled Woodwork, Floors, Walls, Windows, Linoleum, Furniture, Automobiles, Porcelain and Tiled Surfaces, Brass, Nickel, Silverware, Kitchen Utensils, and for Removing of Spots and Stains Upon Clothing, Cloth, Carpets, Rugs, and Hands.

Claims use since March, 1925.

Ser. No. 221,948. (CLASS 33. GLASSWARE.) CREAM TOP BOTTLE CORPORATION, Albany, N. Y. Filed Oct. 19, 1925.

CREAM TOP

Particular description of goods.—Glass Milk Bottles.

Claims use since May 7, 1925.

Ser. No. 222,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC FISH CO., San Francisco, Calif. Filed Oct. 21, 1925.

Monticello

Particular description of goods.—Canned Fish.

Claims use since May 24, 1920.

Ser. No. 222,155. (CLASS 32. FURNITURE AND UPHOLSTERY.) BAKELITE CORPORATION, New York, N. Y. Filed Oct. 23, 1925.

BAKELITE

Particular description of goods.—Picture Frames and Chair Seats and Arms.

Claims use since Dec. 15, 1914.

Ser. No. 222,513. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Oct. 29, 1925.

Par-O-Keet

Particular description of goods.—Lacquer for Furniture, Woodwork, Toys, and Similar Surfaces.

Claims use since Oct. 15, 1925.

Ser. No. 222,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK T. DICKERSON, Wilmington, Del. Filed Oct. 30, 1925.

The words "Rumfords" and "Remedies" are disclaimed apart from the mark shown.

Particular description of goods.—Healing Ointment Used for Piles, Burns, and Running Sores; Drawing Salve for Boils, Carbuncles, Abscesses, and Running Sores; Blue Salve for Eczema and Skin Diseases; and Tetter Ointment for Itching Scalps and Frosted Feet.

Claims use since on or about Sept. 15, 1925.

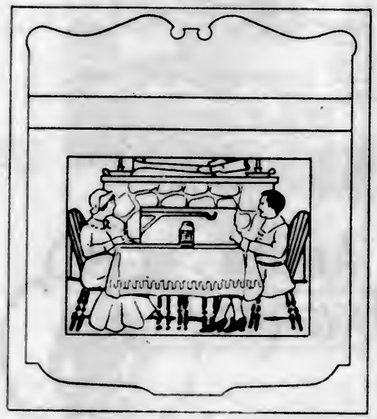
Ser. No. 222,960. (CLASS 31. FILTERS AND REFRIGERATORS.) SERV-EL CORPORATION, Evansville, Ind. Filed Nov. 6, 1925.

SERVEL

Particular description of goods.—Electric Refrigerators, Refrigerator Parts, Refrigerator Systems; and Filters.

Claims use since July 15, 1922.

Ser. No. 223,271. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALDEN PRODUCTS COMPANY, INC., Orange, N. J. Filed Nov. 14, 1925.



Particular description of goods.—Mayonnaise, Catchup, Chili Sauce, Olives, Maraschino Cherries, Chopped Olive Meat, Bottled Onions, Mustard, Bottled Sweet Gherkins, Russian Dressing, Horse-Radish, Pickles, Sweet Relish Comprised of Chopped Pickle, Canned Tomatoes, Worcestershire Sauce, and Canned Purée.

Claims use since Sept. 18, 1923, on mayonnaise; on catchup, chili sauce, and olives, since Mar. 6, 1925; on Maraschino cherries and chopped olive meat since Mar. 27, 1925; on onions, mustard, sweet gherkins, Russian dressing, horse-radish, pickles, sweet relish, tomatoes, Worcestershire sauce, and on purée since Apr. 15, 1925.

Ser. No. 223,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ZIMMERMAN BAKING COMPANY, Colorado Springs, Colo. Filed Nov. 16, 1925.

Particular description of goods.—Bread.

Claims use since about Oct. 13, 1913.

Ser. No. 223,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ZIMMERMAN BAKING COMPANY, Colorado Springs, Colo. Filed Nov. 16, 1925.

ZIM'S TWINS

Particular description of goods.—Bread.

Claims use since about Apr. 28, 1924.

Ser. No. 223,631. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FEDERATED MANUFACTURERS' CORPORATION, San Francisco, Calif. Filed Nov. 21, 1925.

FEDROLIAN

Particular description of goods.—Loud Speakers (Both Horn and Cabinet Type), Loud-Speaker Units, Radiophones, Radioplugs, Radio Kits (1, 2, 3, 4, 5, 6, 7, and 8 Tubes of Various Specifications), Radio Receiving Sets of Various Specifications; Molded Products — Namely, Sockets, Dials, Rheostats, Potentiometers; A Batteries, B Batteries, C Batteries, A-Battery Eliminators, Socket Adapters, Phonograph Adapters, Adjustable Grid Leaks, Adjustable Ground Clamps, Aerial Insulators, Aerial Wire, Aerial Loops, Aerial Condensers, Crystal Detectors, Fixed Crystals, Radiotubes, Lightning Arresters, Vernier Dials, Audiofrequency Transformers, Radiofrequency Transformers, Knife Switches, Battery Switches, Battery Cords, Binding Posts, Panel Boards, Inductance Coils, Fixed Condensers, Vernier Condensers, Electrical Connecters, Extension Cords, Telephone Cords, Variocouplers, Variometers, Vulcanized Fiber Sheets for Electrical Insulation, Fixed Grid Leaks, Variable Grid Leaks, Head Sets, Molded Insulation for Electrical Insulators, Electric Soldering Irons, Radiojacks, Knobs, Level Switches, Coil Mountings, Multiple Battery Cables, Panels, Porcelain Insulators, Alternating-Current Rectifiers, Electrical Resistances, Resistor Units, Crystal Detector Sets, Knocked-Down Sets, Vacuum-Tube Receiver Sets, Sockets, Spaghetti Tubing, Bare Bus Wire, Insulated Bus Wire, Push-Pull Switches, Push-Pull Transformers, Resistance Coupled Amplifiers, Wave Traps, Radiotransmitters, Rectifier Tubes for Rectifying Alternating Current; Adapters for Attaching a Phonograph Amplifying Chamber to a Radio Receiving Set, Antenna Wire, Magnet Wire.

Claims use since Aug. 1, 1925.

Ser. No. 223,659. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RHODES MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 21, 1925.

KRISS KROSS

Particular description of goods.—Razors, Razor Blades, and Mechanical Razor Strops.

Claims use since February, 1919.

Ser. No. 223,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARN & ZWEIFEL COMPANY, Monticello, Wis. Filed Nov. 25, 1925.

HOLSTEIN BRAND
LIMBURGER CHEESE

No claim is made to the words "Limburger Cheese" or "Holstein Brand" apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Aug. 15, 1925.

Ser. No. 224,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN FRUIT DISTRIBUTORS, Los Angeles, Calif. Filed Nov. 30, 1925.

MARIPOSA

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Melons—Namely, Fresh Cantaloupes; Fresh Deciduous Fruits—Namely, Peaches, Apples, Pears, and Grapes.
Claims use since 1901.

Ser. No. 224,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L AND W LAND COMPANY, Watsonville, Calif. Filed Nov. 30, 1925.

BUTTERFLY

Particular description of goods.—Fresh Vegetables—Namely, Lettuce; and Fresh Berries.
Claims use since Apr. 1, 1924.

Ser. No. 224,156. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEWALL PAINT AND VARNISH COMPANY, Kansas City, Mo. Filed Dec. 1, 1925.

DURALAC

Exclusive use of "Lac" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Prepared Paint in Paste and Semipaste Form, Paint Enamels, Varnishes, and Liquid Celluloid Coatings.
Claims use since about Aug. 5, 1925.

Ser. No. 224,235. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CALUMET STEEL COMPANY, Chicago, Ill. Filed Dec. 4, 1925.

ANKORITE

Particular description of goods.—Metallic Fence Posts.
Claims use since Sept. 28, 1918.

Ser. No. 224,345. (CLASS 39. CLOTHING.) NU BONE CORSET COMPANY, Erie, Pa. Filed Dec. 7, 1925.

FigureMold

"Figure-Mold."
Particular description of goods.—Corsets.
Claims use since Oct. 15, 1925.

Ser. No. 224,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed Dec. 8, 1925.

ANNIE'S FAVORITE

Particular description of goods—Canned Fish.
Claims use since Mar. 1, 1896.

Ser. No. 224,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed Dec. 8, 1925.

TENINO

Particular description of goods.—Canned Fish and Canned Fruits.
Claims use since Mar. 1, 1896.

Ser. No. 224,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed Dec. 8, 1925.

No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Canned Fish and Canned Fruits.
Claims use since Jan. 15, 1901.

Ser. No. 224,468. (CLASS 39. CLOTHING.) H. E. MILLS LIMITED, London, England. Filed Dec. 9, 1925.

MILWATA

Guaranteed Weatherproof

The words "Guaranteed Weatherproof" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Mackintoshes and Showerproof Coats, Cloaks, Capes, and Suits for Ladies, Girls, Boys, and Men.
Claims use since May 29, 1923.

Ser. No. 224,564. (CLASS 12. CONSTRUCTION MATERIALS.) JONATHAN BARTLEY CRUCIBLE COMPANY, Trenton, N. J. Filed Dec. 11, 1925.

LAWTONITE

GRAPHITE AND CLAY

PRODUCTS

All wording shown on the drawing with the exception of the word "Lawtonite" is disclaimed.
Particular description of goods.—Fire Brick and Tile.
Claims use since Nov. 1, 1925.

Ser. No. 224,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROHM & HAAS CO., INC., Philadelphia, Pa. Filed Dec. 15, 1925.

ORTHOCHROM

Particular description of goods.—Combined Dyes and Finish Colors.
Claims use since on or about May 15, 1925.

Ser. No. 224,962. CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE DUNHAM COMPANY, Berea, Ohio. Filed Dec. 21, 1925.

Bull's Eye
WATER HEATER

No claim is made to the words "Water Heater."
Particular description of goods.—Hot-Water Heaters and Hot-Water Heating and Storage Systems.
Claims use since July 25, 1925.

Ser. No. 225,034. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PILOT ELECTRIC MANUFACTURING CO., INC., Brooklyn, N. Y. Filed Dec. 22, 1925.

KILOGRAD

Particular description of goods.—Vernier Dials for Use in Radio Receiving Sets.
Claims use since Nov. 4, 1925.

Ser. No. 225,187. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE HEMENWAY COMPANY, Chicago, Ill. Filed Dec. 26, 1925.

Tourkit

Particular description of goods.—Portable Kitchen Cabinets for Tourists.
Claims use since Nov. 30, 1925.

Ser. No. 225,193. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HUNTINGTON LABORATORIES, INC., Huntington, Ind. Filed Dec. 26, 1925.

Baby-San

Particular description of goods.—Soap.
Claims use since June 1, 1925.

Ser. No. 225,452. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MILDRED A. SMITH, doing business as Bat-Les Lite Company, Albany, N. Y. Filed Jan. 2, 1926.

BAT-LES LITE
A FLASHLIGHT WITHOUT A BATTERY

No claim is made to the words "A Flashlight without a Battery" apart from the mark as shown in the drawing.
Particular description of goods.—Portable Electric Lights, Electric Hand Lanterns, Electric Flashlights, Electric Pocket Lights, Electric Headlights, and Bicycle Electric Lights.
Claims use since May 4, 1925.

Ser. No. 225,556. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK ERETH, Iowa City, Iowa. Filed Jan. 6, 1926.

No claim is made to the words "Pile Salve" apart from the mark as shown.

Particular description of goods.—Salve for the Treatment of Piles.

Claims use since Mar. 1, 1925.

Ser. No. 225,769. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CLIMALENE COMPANY, Canton, Ohio. Filed Jan. 11, 1926.

Particular description of goods.—Cleaning Preparation in Powdered Form for General Household Purposes With Water Softening Properties.

Claims use since December, 1907.

Ser. No. 225,770. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CLIMALENE COMPANY, Canton, Ohio. Filed Jan. 11, 1926.

Particular description of goods.—Cleaning Preparation in Powdered Form for General Household Purposes With Water-Softening Properties.

Claims use since December, 1907.

Ser. No. 225,785. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HEATH RADIO & ELECTRIC MFG. CO., Newark, N. J. Filed Jan. 11, 1926.

"RADIANT"

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Apparatus and Parts Thereof, Such Apparatus Consisting of Dials, Tube Sockets, Resistance Coupled Amplifiers, Condensers, and Micrometer Indicators for Condensers, Radiotubes, Loud-Speaking Units, and Complete Radio Receiving Sets.

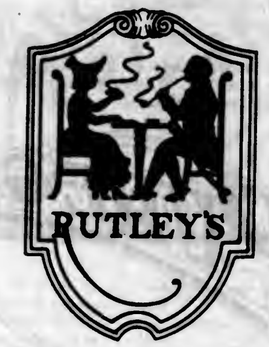
Claims use on dials, resistance coupled amplifiers, condensers, and indicators since May, 1922; on radiotubes and tube sockets since Aug. 25, 1924; on loud-speaking units and complete radio sets since June 1, 1925; on radioreceivers since June 5, 1925; and on vacuum tubes since Dec. 15, 1925.

Ser. No. 225,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUTLEY'S, INCORPORATED, New York, N. Y. Filed Jan. 11, 1926.

Particular description of goods.—Candy, Cake, Bread, Pies, Rolls, Teas, Coffees, Canned Soups, Jams, Vanilla Flavoring for Food Purposes; Mayonnaise, Salad, and Russian Dressing; Sandwich Filling Made of Chopped, Potted, or Canned Chicken, Beef, Lamb, Tongue, and Ham Combined With Salad Dressing; Peanut Butter, Mustard, Chopped Vegetables, or Condiments; Cocoa, Chocolate, and Ice Cream.

Claims use since Sept. 25, 1925.

Ser. No. 225,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUTLEY'S, INCORPORATED, New York, N. Y. Filed Jan. 11, 1926.



No rights claimed for the word "Rutley's."

Particular description of goods.—Candy, Cake, Bread, Pies, Rolls, Teas, Coffees, Canned Soups; Mayonnaise, Salad, and Russian Dressing; Sandwich Filling Made of Chopped, Potted, or Canned Chicken, Beef, Lamb, Tongue, and Ham Combined with Salad Dressing, Peanut Butter, Mustard, Chopped Vegetables, or Condiments; Cocoa, Chocolate, and Ice Cream.

Claims use since Sept. 25, 1925.

Ser. No. 225,835. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Jan. 12, 1926.

Particular description of goods.—Dry Powder to be Mixed with Cold Water and Used as a Decorative Wall Coating.

Claims use since Sept. 1, 1925.

Ser. No. 225,921. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) F. C. HENDERSON COMPANY, Boston, Mass. Filed Jan. 14, 1926.

MUSIC SALON GRAND

Exclusive use of the word "Grand" is not claimed apart from the mark shown.

Particular description of goods.—Stencils or Transfers Affixed to the Piano Cases.

Claims use since Nov. 12, 1925.

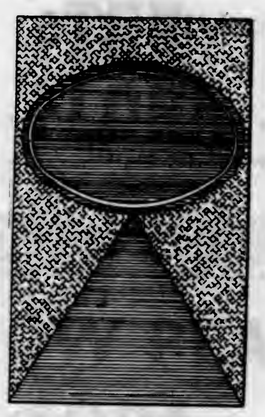
Ser. No. 225,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FOOD COMPANY, McPherson, Kans. Filed Jan. 14, 1926.

WheaTone

Particular description of goods.—Breakfast Food.

Claims use since Jan. 9, 1926.

Ser. No. 225,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FOOD COMPANY, McPherson, Kans. Filed Jan. 14, 1926.



The drawing is lined to indicate the colors orange and blue.

Particular description of goods.—Breakfast Food.

Claims use since Jan. 9, 1926.

Ser. No. 225,940. (CLASS 12. CONSTRUCTION MATERIALS.) PARK CITY CORNICE WORKS, INCORPORATED, Bridgeport, Conn. Filed Jan. 14, 1926.

PARCO

Particular description of goods.—Skylights, Skylight Lifts, and Built-In Roof Ventilators.

Claims use since Apr. 16, 1924.

Ser. No. 226,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HYMAN BAUMAN CO. INC., New York, N. Y. Filed Jan. 20, 1926.

KOTOLIN

"Kotolin."

Particular description of goods.—Cotton and Linen Fabrics and Combinations.

Claims use since Dec. 23, 1925.

Ser. No. 226,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MOLASSINE COMPANY, LIMITED, London and East Greenwich, England. Filed Jan. 22, 1926.

VIMLETS

Particular description of goods.—Food for Dogs and Cats.

Claims use since July 29, 1915.

Ser. No. 226,253. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILDRED J. NOYES, doing business as Maude Rhodes Weaving Shop, Arden, Del. Filed Jan. 22, 1926.

Ardenweave

No claim is made for the word "Ardenweave" except in association with the other features of the trade-mark.

Particular description of goods.—Hand-Woven Cloth of Silk, Wool, Artificial Silk, Cotton, and Linen and Mixtures of the Same.

Claims use since Jan. 1, 1925.

Ser. No. 226,275. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ASPHALT COLD MIX LIMITED, London, England, assignor to Asphalt Cold Mix (1925) Limited, London, England. Filed Jan. 23, 1926.

COLAS

Particular description of goods.—Bituminous Paints or Like Coatings or Impregnating Compositions.

Claims use since June, 1924.

Ser. No. 226,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT U. DOUGHERTY, Muncie, Ind. Filed Jan. 25, 1926.

PURE EGG

Particular description of goods.—Cakes.

Claims use since Aug. 1, 1925.

Ser. No. 226,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT U. DOUGHERTY, Muncie Ind. Filed Jan. 25, 1926.

DEVIL'S FOOD

No claim is made to the words "Devil's Food" apart from the mark as shown.

Particular description of goods.—Cakes.

Claims use since Aug. 1, 1925.

Ser. No. 226,344. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT U. DOUGHERTY, Muncie, Ind. Filed Jan. 25, 1926.

JOLLY SPICE CAKE

No claim is made to the words "Spice Cake" apart from the mark as shown.

Particular description of goods.—Cakes.

Claims use since Aug. 1, 1925.

Ser. No. 226,354. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOLD SEAL RADIO PRODUCTS CO., Chicago, Ill. Filed Jan. 25, 1926.

GOLD SEAL

Particular description of goods.—Radio Sets and Parts Thereof—Namely, Tubes.

Claims use since May 15, 1924.

Ser. No. 226,485. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. F. HENNINGER CORP., Chicago, Ill. Filed Jan. 27, 1926.

POWER-PLUS

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Sept. 21, 1925.

Ser. No. 226,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL ICE CREAM CO., Louisville, Ky. Filed Jan. 27, 1926.

FROS-T-KIT

Particular description of goods.—Ice Cream.

Claims use since Dec. 31, 1925.

Ser. No. 226,579. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed Jan. 28, 1926.

HARDY FAVORITE

Applicant disclaims the right to the exclusive use of the words "Hardy Favorite" apart from the mark as shown.

Particular description of goods.—Fishing Lines.

Claims use since Aug. 1, 1923.

Ser. No. 226,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP BREHM, Houston, Tex. Filed Jan. 29, 1926.

TEX FLORA

Particular description of goods.—Healing Salve.

Claims use since Jan. 16, 1926.

Ser. No. 226,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUCKEYE SODA PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 29, 1926.

SNOW PEAK SODA

No claim is made to the word "Soda" apart from the mark shown.

Particular description of goods.—Bicarbonate of Soda.

Claims use since Jan. 24, 1926.

Ser. No. 226,586. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed Jan. 29, 1926.

SIFTRON

Particular description of goods.—Electrical Transformers and Rectifiers.

Claims use since July 21, 1925.

Ser. No. 226,768. (CLASS 39. CLOTHING.) THE GENERAL MERCHANDISE EXCHANGE, INC., New York, N. Y. Filed Feb. 2, 1926.

KWALITEX

Particular description of goods.—Men's, Boys', Women's, and Children's Hosiery; Men's and Boys' Outer and Negligee Shirts, and Boys' and Children's Blouses.
Claims use since 1919.

Ser. No. 226,778. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE MASSILLON STEEL CASTING COMPANY, Massillon, Ohio. Filed Feb. 2, 1926.

Particular description of goods.—Steel Castings.
Claims use since on or about February, 1918.

Ser. No. 226,786. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REGENT RADIO CORPORATION, New York, N. Y. Filed Feb. 2, 1926.

Regent

Particular description of goods.—Radio Receiving Sets.
Claims use since Feb. 1, 1925.

Ser. No. 226,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE POGM CO. INC., Malden, Mass. Filed Feb. 3, 1926.

WICH-O

Particular description of goods.—Nut-Jam Spreads for Sandwiches, Comprising Loganberry, Strawberry, Raspberry, and Sweet-Spiced Flavors.
Claims use since Jan. 16, 1926.

Ser. No. 226,871. (CLASS 17. TOBACCO PRODUCTS.) DAVID J. WEINREICH, doing business as Joseph Weinreich, Dayton, Ohio. Filed Feb. 4, 1926.

Little Story

"Little Story."
Particular description of goods.—Cigars.
Claims use since Sept. 1, 1905.

Ser. No. 226,896. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England. Filed Feb. 5, 1926.

RADIOLUX-AMPLION

Particular description of goods.—Apparatus for the Production and Reproduction of Sound, Particularly Wired Telephonic Systems and Parts Thereof, Wireless Receiving and Transmitting Sets and Parts Thereof, and Loud Speakers.
Claims use since Aug. 13, 1925.

Ser. No. 226,996. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENDIX & FIBER, INC., New York, N. Y. Filed Feb. 8, 1926.

BEADETTE

Particular description of goods.—Piece Goods of Silk, Rayon, Cotton, and Wool or Combinations Thereof.
Claims use since Jan. 10, 1925.

Ser. No. 227,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON BAKING COMPANY, Detroit, Mich. Filed Feb. 9, 1926.

Particular description of goods.—Bread.
Claims use since Jan. 26, 1925.

Ser. No. 227,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ETABLISSEMENTS ROCCA, TASSY & DE ROUX, Marseille, France. Filed Feb. 11, 1926.

VÉGÉTALINE

Particular description of goods.—Refined Coconut Oil Used as a Cooking Fat.
Claims use since 1898.

Ser. No. 227,207. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WHITE MULE, INC., Carbondale, Ill. Filed Feb. 11, 1926.

WHITE MULE

Particular description of goods.—Vehicle Body Cleaner and Polish.
Claims use since March, 1924.

Ser. No. 227,272. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AVOCA JONES, doing business as Jodra Manufacturing Company, Seattle, Wash. Filed Feb. 13, 1926.

The Enchanter

Particular description of goods.—Radio Loud Speakers and Radio Phonograph Adapters.
Claims use since on or before Nov. 9, 1923.

Ser. No. 227,290. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BEST & CO., INC., New York, N. Y. Filed Feb. 15, 1926. Under section 5b of the act of 1905, as amended in 1920.

Best & Co.

Particular description of goods.—Iron, Porcelain, or Enameled Bathtubs.
Claims use since 1879.

Ser. No. 227,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE HILL CANDY CO., St. Louis, Mo. Filed Feb. 15, 1926.

SO BIG!

Particular description of goods.—Candies.
Claims use since Feb. 1, 1926.

Ser. No. 227,335. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ADOLPH J. SAXE, Hollywood, Calif. Filed Feb. 16, 1926.

MOVIE-LAND PUZZLE

No claim is made to the word "Puzzle" apart from the mark shown on the drawing.
Particular description of goods.—Jig-Saw and Cut-Out Puzzles.
Claims use since on or about Dec. 1, 1926.

Ser. No. 227,443. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) COLUMBIA NOVELTY IVORY CO., INC., New York, N. Y. Filed Feb. 18, 1926.

"EMPRESS"

FIT FOR A QUEEN

Particular description of goods.—Dresser Sets Backed With Materials Not Made of Precious-Metal Ware, Comprising Mirrors, Combs, Brushes, Shoehorns, Buttonhooks, Trays, and Manicure Articles.
Claims use since Jan. 26, 1926.

Ser. No. 227,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. D. Q. SPECIALTY CORPORATION, Brooklyn, N. Y. Filed Feb. 18, 1926.

N·D·Q·

Particular description of goods.—Candy Chicks, Candy Rabbits, Candy Pumpkins, Candy Turkeys, and Candy Specialties.
Claims use since Dec. 15, 1918.

Ser. No. 227,484. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WILBUR TEALE, Seattle, Wash. Filed Feb. 18, 1926.

HYDRO-OIL

No claim is made to the word "Oil" apart from the mark as shown.
Particular description of goods.—Oil Burners.
Claims use since Nov. 1, 1924.

Ser. No. 227,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HASSENDEUBEL GROCERY COMPANY, St. Louis, Mo. Filed Feb. 20, 1926.

The mark comprises a fanciful portrait of the explorer De Soto.

Particular description of goods.—Canned Fruits—Namely, Apples, Apple Sauce, Cherries, Grapefruit, Peaches, Pears, Apricots, Pineapple, Plums, and Fruit Salad; Canned Berries—Namely, Blackberries, Loganberries, Raspberries, and Strawberries; Canned Vegetables—Namely, Sauerkraut, Spinach, Succotash, Sweet Potatoes, Tomatoes, Asparagus, Beans, Pork and Beans, Beets, Cabbage, Corn, Hominy, Okra, Peas and Pumpkin; Canned Sea Food—Namely, Tunny, Lobster, Crab Meat, Salmon, Sardines, and Shrimp; Condensed Milk, Canned Soup, Canned Chile Con Carne, Sirup, Corn and Maple; Canned Spaghetti; Dried Fruits—Namely, Prunes, Apricots, Peaches, Condiments—Namely, Mustard, Vinegar, Catchup, and Chili Sauce; Pickles, Jams, Jellies, Peanut Butter, Rolled Oats, and Corn Flakes.
Claims use since July 3, 1924.

Ser. No. 227,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEMONAISE COMPANY, Bowling Green, Ky. Filed Feb. 20, 1926.

LEMONAISE

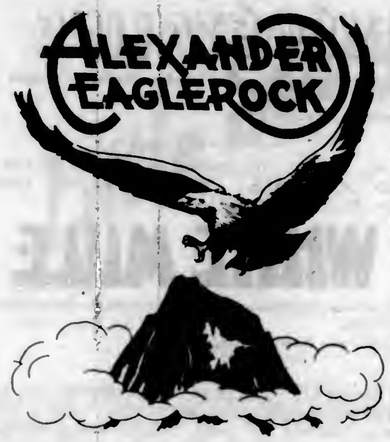
Particular description of goods.—Salad Dressing and Relishes Having a Base of Lemon Emulsion.
Claims use since Apr. 1, 1925.

Ser. No. 227,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STAR BAKING COMPANY, Wilmington, Del., and Cleveland, Ohio. Filed Feb. 20, 1926.

STARPRYD

Particular description of goods.—Bread, Cakes, and Rolls.
Claims use since on or about Dec. 23, 1925.

Ser. No. 227,621. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALEXANDER INDUSTRIES, INC., Englewood, Colo. Filed Feb. 23, 1926.



Particular description of goods.—Airplanes.
Claims use since July 1, 1925.

Ser. No. 227,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RY-KRISP COMPANY, Minneapolis, Minn. Filed Feb. 23, 1926.

Krispette

Particular description of goods.—Rye Breakfast Food.
Claims use since Feb. 15, 1926.

Ser. No. 227,717. (CLASS 2. RECEPTACLES.) PERCY F. CHAPLIN, London, England. Filed Feb. 24, 1926.

KEPIVAC

Particular description of goods.—Metal Tins or Containers for Packing Goods.
Claims use since Aug. 1, 1925.

Ser. No. 227,782. (CLASS 32. FURNITURE AND UPHOLSTERY.) FLEMING-WILSON MERCANTILE COMPANY, Topeka, Kans. Filed Feb. 25, 1926.

KLEEN FOOD

Particular description of goods. —Cases for Displaying Perishable Merchandise.
Claims use since June 1, 1925.

Ser. No. 227,788. (CLASS 39. CLOTHING.) JACOB GRAFF, New York, N. Y. Filed Feb. 25, 1926.

Graffic

Particular description of goods.—Men's and Young Men's Suits in One, Two, and Three Piece Garments and Overcoats.
Claims use since Feb. 11, 1926.

Ser. No. 227,799. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926.

Glade-Topper

No claim is made to the word "Topper" apart from the mark as shown.
Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Oct. 1, 1924.

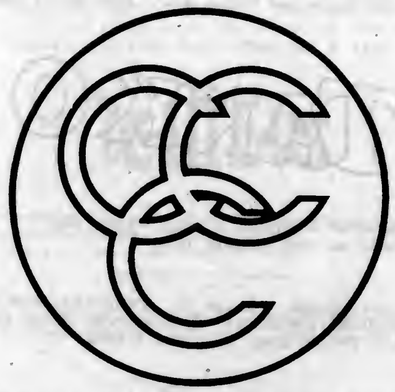
Ser. No. 227,829. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) HIJO DE C. GISBERT TEROL, Alcoy, Spain. Filed Feb. 26, 1926.

All wording appearing on the drawing except the word "Oro" is disclaimed apart from the mark shown on same.
Particular description of goods.—Cigarette Paper.
Claims use since Jan. 12, 1925.

Ser. No. 227,833. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CHARLES FISCHER, New York, N. Y. Filed Feb. 26, 1926.

Particular description of goods.—Finger Rings.
Claims use since Sept. 11, 1925.

Ser. No. 227,880. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CLARK CONTROLLER COMPANY, Cleveland, Ohio. Filed Feb. 27, 1926.



Particular description of goods.—Electric Controllers, Magnetic Brakes, and Electric Switches.
Claims use since on or about Dec. 15, 1925.

Ser. No. 227,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE-PORTLAND FLOUR CO., Memphis, Tenn. Filed Feb. 27, 1926.

Silver King

Particular description of goods.—Wheat Flour.
Claims use since February, 1922.

Ser. No. 227,933. (CLASS 2. RECEPTACLES.) EDWARD P. BROCK, doing business as E. P. Brock & Co., Boston, Mass. Filed Mar. 1, 1926.

STANDO METALWARE

No claim is made to the word "Metalware."

Particular description of goods.—Riveted, Welded, or Brazed Tanks for Holding Liquids, Steam, Air, or Gas, Whether Open or Closed, and Coal Bunkers and Ash Bunkers.

Claims use since Dec. 1, 1924.

Ser. No. 227,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACKERS SALES COMPANY INC., South Omaha and Oxford, Nebr. Filed Mar. 1, 1926.

TANK-O

Particular description of goods.—Stock Feed.

Claims use since January, 1925.

Ser. No. 227,966. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RICKENBACKER MOTOR COMPANY, Detroit, Mich. Filed Mar. 1, 1926.

The name "Rickenbacker" is disclaimed apart from the mark shown.

Particular description of goods.—Automobiles.

Claims use since Dec. 1, 1925.

Ser. No. 227,972. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TENNESSEE VALLEY CREAMERY COMPANY, Knoxville, Tenn. Filed Mar. 1, 1926.

DIXIE PRIDE

Particular description of goods.—Butter.

Claims use since on or about May 4, 1920.

Ser. No. 228,030. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DELUXE SAVO COOKER COMPANY, Chicago, Ill. Filed Mar. 3, 1926.

SAVO

Particular description of goods.—Cooking Utensils Made of Aluminum.

Claims use since June 1, 1923.

Ser. No. 228,051. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAYBORN FOOD PRODUCTS Co., Cleveland, Ohio. Filed Mar. 3, 1926.

CALLOID

Particular description of goods.—Food Flavorings.

Claims use since about September, 1922.

Ser. No. 228,065. (CLASS 37. PAPER AND STATIONERY.) PAPER PRODUCTS MANUFACTURING COMPANY, Swarthmore, Pa. Filed Mar. 3, 1926.

KAMP-FIRE

Particular description of goods.—Paper Napkins.

Claims use since January, 1924.

Ser. No. 228,078. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PROFESSIONAL PRESS, INC., Chicago, Ill. Filed Dec. 7, 1925.

The American Dental Surgeon

"The American Dental Surgeon."

Particular description of goods.—Magazine Publication (Monthly).

Claims use since Nov. 1, 1925.

Ser. No. 228,085. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONO DRUG COMPANY, Jersey City, N. J. Filed Mar. 4, 1926.

Rid-O-Spot

Particular description of goods.—Dry Cleaner.

Claims use since Dec. 31, 1924.

Ser. No. 228,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KONRAD SCHREIER Co., Sheboygan, Wis. Filed Mar. 4, 1926.

BRAWNITE

Particular description of goods.—Bread Improver Made From Wheat so Processed to Contain a Certain Amount of Enzymes Which Increases the Volume of the Bread, Makes a Better Crust, and Improves the Bread Generally.

Claims use since Feb. 2, 1926.

Ser. No. 228,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRESCOA MANUFACTURING COMPANY, Oakland, Calif. Filed Mar. 6, 1926.

Frescoa

Particular description of goods.—Chocolate Paste for Making Food Beverages.

Claims use since Dec. 1, 1925.

Ser. No. 228,291. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ARKANSAS CITY MILLING COMPANY, Arkansas City, Kans. Filed Mar. 8, 1926.

Hostess

Particular description of goods.—Wheat Flour.

Claims use since Jan. 15, 1925.

Ser. No. 228,299. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DETROIT OAK BELTING COMPANY, Detroit, Mich. Filed Mar. 8, 1926.

Particular description of goods.—Leather Belting.

Claims use since about January, 1916.

Ser. No. 228,308. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MRS. ANNA S. FRIDOLPH, doing business as The De-Lite-Us Hair Clasp Company, New York, N. Y. Filed Mar. 8, 1926.

DE-LITE-US

Particular description of goods.—Hair Clasps Made of Nonprecious Material, Such as Celluloid.

Claims use since about Sept. 1, 1925.

Ser. No. 228,362. (CLASS 39. CLOTHING.) DAVIDSON BROTHERS, New York, N. Y. Filed Mar. 9, 1926.

Sonette

Particular description of goods.—Ladies' Undergarments of Textile Fabrics.

Claims use since Feb. 20, 1926.

Ser. No. 228,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo. Filed Mar. 9, 1926.

SAPHO

Particular description of goods.—Wheat Flour.

Claims use since about October, 1921.

Ser. No. 228,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo. Filed Mar. 9, 1926.

SPOKESMAN

Particular description of goods.—Wheat Flour.
Claims use since about October, 1921.

Ser. No. 228,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. KOHN & SONS MEAT AND GROCERY COMPANY, doing business as The Kohn Stores, St. Louis, Mo. Filed Mar. 9, 1926.

TOP-O-TH MORNIN

Particular description of goods.—Coffee, Butter, and Food-Flavoring Extract of Lemon and Vanilla.
Claims use since on or about Jan. 1, 1922, for butter; since on or about Feb. 1, 1923, on coffee; since Mar. 1, 1924, on lemon extract; and since on or about May 1, 1923, on vanilla extract.

Ser. No. 228,411. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FEDORA DAMIANO, Brookline, Mass. Filed Mar. 10, 1926.

La Fedora

Particular description of goods.—Necklaces, Lingerie Clasps, and Lingerie Pins.
Claims use since July 1, 1922.

Ser. No. 228,420. (CLASS 39. CLOTHING.) FORT SCHUYLER KNITTING CO., Utica, N. Y. Filed Mar. 10, 1926.

LUXURY

Particular description of goods.—Men's, Women's, and Children's Knitted Union Suits and Underwear.
Claims use since June, 1916.

Ser. No. 228,425. (CLASS 39. CLOTHING.) GEORGE FROST COMPANY, Boston, Mass. Filed Mar. 10, 1926.

GIRDLON

Particular description of goods.—Ladies' Hose Supporters.
Claims use since Jan. 25, 1926.

Ser. No. 228,431. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. LANGSDORF & CO. INC., New York, N. Y. Filed Mar. 10, 1926.

PYRAMID

Particular description of goods.—Gold-Decorated Toilet and Manicure Sets and Gold-Decorated Individual Items Thereof, Gold-Decorated Boudoir Lamps and Jewel Cases, Gold-Decorated Puff Boxes and Hair Receivers and Manicure Rolls, All Fittings Gold Decorated, Boudoir Picture Frames and Clocks Decorated with Gold, and Trays Made of Precious Metal, Plated with Precious Metal, and Gold Decorated.
Claims use since about Jan. 4, 1926.

Ser. No. 228,434. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESWATE CHEMICAL CO. INC., New York, N. Y. Filed Mar. 10, 1926.

LESWATE

Particular description of goods.—Flesh-Reducing Tablets.
Claims use since Jan. 15, 1926.

Ser. No. 228,437. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 10, 1926.

Particular description of goods.—Soaps, Soap Pastes, and Soap Powders.
Claims use since 1890.

Ser. No. 228,439. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 10, 1926.

Particular description of goods.—Soaps, Soap Pastes, and Soap Powders.
Claims use since 1890.

Ser. No. 228,471. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 11, 1926.

JIFFY PANTI WAIST

Applicant disclaims exclusive right to the use of the words "Panti Waist" except as used with the other features of the mark shown.
Particular description of goods.—Combination Waist and Baby Pants.
Claims used since Mar. 7, 1926.

Ser. No. 228,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITAN MILLS, Atlanta, Ga. Filed Mar. 11, 1926.

AERIAL

Particular description of goods.—Self-Rising Flour.
Claims use since November, 1925.

Ser. No. 228,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCES SINAGNAN & CIE., New York, N. Y. Filed Mar. 11, 1926.

CHOCOLATS BAGATELLE

The exclusive use of the word "Chocolate" is disclaimed apart from the other features of the mark shown.
Particular description of goods.—Chocolate and Candy.
Claims use since October, 1924.

Ser. No. 228,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHEASTERN FLOUR CO., Atlanta, Ga. Filed Mar. 11, 1926.

Wellbread

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since July, 1925.

Ser. No. 228,545. (CLASS 39. CLOTHING.) JAIN-SOL CLOTHING CO., New York, N. Y. Filed Mar. 12, 1926.

Solgain CLOTHES

No rights are asserted to the exclusive use of the word "Clothes" apart from the mark shown in the drawing.
Particular description of goods.—Clothing for Men, Young Men, and Boys—Namely, Overcoats, Topcoats, Suits, Coats, Trousers, and Vests.
Claims use since May, 1925.

Ser. No. 228,548. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEPEL IGNITION CORPORATION, New York, N. Y. Filed Mar. 12, 1926.

Particular description of goods.—Spark Plugs, Timers, Distributors, Batteries, Induction Coils, Terminals, Interrupters, Generators, Magnetos, Circuit Breakers, Relays, Electric Switches, Motors, Current Converters, and Parts of Any and All of the Foregoing.
Claims use since April, 1925.

Ser. No. 228,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN E. F. MAGEE COMPANY, Boston, Mass. Filed Mar. 12, 1926.

Particular description of goods.—Welsh Rarebit.
Claims use since July 6, 1925.

Ser. No. 228,586. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) S. APRILE & CO., INC., New York, N. Y. Filed Mar. 13, 1926.

AIGLON

Particular description of goods.—Cream for Use in Brightening Footwear Made of Gold and Silver Kid.
Claims use since Apr. 28, 1925.

Ser. No. 228,598. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOLLY MADISON BAKING CORPORATION, Springfield, Mass. Filed Mar. 13, 1926.

Dolly Madison

Particular description of goods.—Bread and Rolls.
Claims use since Oct. 1, 1922.

Ser. No. 228,607. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y. Filed Mar. 13, 1926.

Exclusive use of the words "Quality Abrasives" and "Trade-Mark" is disclaimed apart from the mark and in the manner shown in the drawing.
Particular description of goods.—Abrasive Papers and Cloths.
Claims use since Aug. 22, 1923.

Ser. No. 228,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Mar. 13, 1926.

The lining of the drawing indicates the colors red and green.
Particular description of goods.—Butter, Eggs and Cheese
Claims use since June 1, 1902.

Ser. No. 228,656. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOLD-FLU CO., Denison, Tex. Filed Mar. 15, 1926.

Kold-Flu

Particular description of goods.—Preparation for Coughs, Colds, and Influenza.
Claims use since Feb. 1, 1926.

Ser. No. 228,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER PRODUCTS COMPANY, Portland, Oreg. Filed Mar. 15, 1926.

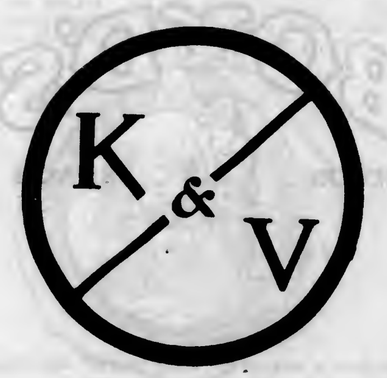
Sulfo
MILLER'S PERFECT WETTABLE SULFUR

No claim is made to the words "Miller's Perfect Wettable Sulfur" apart from the mark shown.
Particular description of goods.—Fungicide Preparation.
Claims use since Mar. 1, 1923.

Ser. No. 228,685. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMERON & DUNHAM, INC., Chicago, Ill. Filed Mar. 16, 1926.

Particular description of goods.—Mayonnaise and Salad Dressing.
Claims use since June 1, 1925.

Ser. No. 228,708. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KOSKI AND VARE, Brooklyn, N. Y. Filed Mar. 16, 1926.



Particular description of goods.—Metal Polish.
Claims use since Dec. 1, 1925.

Ser. No. 228,720. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MICHIGAN BRUSH MANUFACTURING CO. INC., Detroit, Mich. Filed Mar. 16, 1926.

MOTOR CITY

Particular description of goods.—Floor Brushes, Window Brushes, Counter Brushes, Factory Brushes, Sash-Tool Brushes, Varnish Brushes, Glue Brushes, and Paintbrushes.
Claims use since Feb. 22, 1926.

Ser. No. 228,753. (CLASS 38. PRINTS AND PUBLICATIONS.) GREAT NORTHERN PAPER COMPANY, Millinocket, Me. Filed Mar. 17, 1926.

The Northern

"The Northern."
Particular description of goods.—Magazine Published Intermittently.
Claims use since April, 1921.

Ser. No. 228,774. (CLASS 39. CLOTHING.) PROSER BROS. INC., New York, N. Y. Filed Mar. 17, 1926.

MAJORSTRIPE

No claim is made to the word "Stripe" apart from the mark shown in the drawing.
Particular description of goods.—Men's Overcoats and Suits.
Claims use since Oct. 15, 1925.

Ser. No. 228,775. (CLASS 39. CLOTHING.) PROSER BROS. INC., New York, N. Y. Filed Mar. 17, 1926.

MAJORSERGE

No claim is made to the word "Serge" apart from the mark shown in the drawing.
Particular description of goods.—Men's Overcoats and Suits.
Claims use since Oct. 15, 1925.

Ser. No. 228,788. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WATERBURY BATTERY CO., Waterbury, Conn. Filed Mar. 17, 1926.

TELECELL

"Telecell."
Particular description of goods.—Primary Batteries and Parts Thereof.
Claims use since December, 1925.

Ser. No. 228,799. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH H. BUDDE, doing business as Kut-Zm Mfg. Co., Devils Lake, N. Dak. Filed Mar. 18, 1926.

Kut-Zm

Particular description of goods.—Razor-Strop Dressing.
Claims use since Oct. 1, 1925.

Ser. No. 228,819. (CLASS 39. CLOTHING.) JUSTIN NECKWEAR CO., Denver, Colo. Filed Mar. 18, 1926.

JUSTIN CRAVATS

The words "Justin" and "Cravats" are disclaimed apart from the other features of the mark.
Particular description of goods.—Necktles.
Claims use since about Jan. 15, 1924.

Ser. No. 228,847. (CLASS 11. INKS AND INKING MATERIALS.) CRESCENT TYPEWRITER SUPPLY COMPANY, Portland, Me., and Boston, Mass. Filed Mar. 19, 1926. Under ten-year proviso.

BAY STATE BRAND

No exclusive right is claimed to the word "Brand."
Particular description of goods.—Ink Ribbons and Carbon Paper.
Claims use since Jan. 1, 1894.

Ser. No. 228,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL CANDY CO., Waco, Tex. Filed Mar. 20, 1926.

UNCLE NED

Particular description of goods.—Candy Bar.
Claims use since Jan. 15, 1926.

Ser. No. 228,894. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DELESPAWERKE G. m. b. H., Delmenhorst, Germany. Filed Mar. 20, 1926.

GREAT HIT

Particular description of goods.—Soap.
Claims use since November, 1925.

Ser. No. 228,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LARSEN COMPANY, also doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Filed Mar. 20, 1926.

VEG-ALL

Particular description of goods.—Canned Mixed Vegetables.
Claims use since May 28, 1925.

Ser. No. 228,990. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Mar. 22, 1926.

Particular description of goods.—Soap.
Claims use since on or about Jan. 1, 1904.

Ser. No. 229,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN BOYD CO., Lynn, Mass. Filed Mar. 23, 1926.

No claim is made to the words "Boyd's" and "Revere Beach" apart from the trade-mark as shown.
Particular description of goods.—Potato Chips.
Claims use since 1907.

Ser. No. 229,048. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MEYER & GROSS, Newark, N. J. Filed Mar. 23, 1926.

LORELEI

Particular description of goods.—Finger Rings.
Claims use since February, 1926.

Ser. No. 229,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK COMPANY, New York, N. Y. Filed Mar. 24, 1926.

BABEX

Particular description of goods.—Deodorants, in Powder, Compact, Cream, or Liquid Form.
Claims use since Mar. 18, 1926.

Ser. No. 229,102. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 24, 1926.

Milana

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 1, 1926.

Ser. No. 229,113. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE KOLYNOS CO., New Haven, Conn. Filed Mar. 24, 1926.

Nalgiri

Particular description of goods.—Soap.
Claims use since Mar. 6, 1926.

Ser. No. 229,196. (CLASS 39. CLOTHING.) PHILADELPHIA KNITTING MILLS COMPANY, Philadelphia, Pa. Filed Mar. 25, 1926. Under ten-year proviso.

Particular description of goods.—Hosiery.
Claims use since Apr. 11, 1890.

Ser. No. 229,237. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIBBE BROTHERS COMPANY, Springfield, Mass. Filed Mar. 26, 1926.

K-B

Particular description of goods.—Chocolate Bars.
Claims use since Mar. 17, 1926.

Ser. No. 229,251. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 26, 1926.

DELICIA

Particular description of goods.—Soaps, Soap Pastes, and Soap Powders.
Claims use since 1890.

Ser. No. 229,262. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. B. WILLIAMS, INC., Montclair, N. J. Filed Mar. 26, 1926.

DOZAL

Particular description of goods.—Silver, Aluminum, Metal, and Stove Polish.
Claims use since Sept. 20, 1921.

Ser. No. 229,301. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed Mar. 27, 1926.

CHING PONGEE

No claim is made to the word "Pongee" apart from the mark as shown.
Particular description of goods.—Silks and Silk and Cotton Goods in the Piece.
Claims use since Jan. 20, 1926.

Ser. No. 229,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID GOLDENBERG, Philadelphia, Pa. Filed Mar. 20, 1926.

Particular description of goods.—Candy.
Claims use since Feb. 25, 1926.

Ser. No. 229,363. (CLASS 39. CLOTHING.) THE UNION COMPANY, INC., Columbus, Ohio. Filed Mar. 29, 1926.

Sywel

Particular description of goods.—Hosiery.
Claims use since 1924.

Ser. No. 229,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESTER D. WINDSOR, doing business as L. D. Windsor Co., Salisbury, Md. Filed Mar. 29, 1926.

DORWIC

Particular description of goods.—Medical Preparations—Namely, Ointment for Burns, Capsules Containing Medicine for the Relief of Indigestion, and a Treatment for Neuritis, Sciatica, and Rheumatism.
Claims use since Mar. 1, 1926.

Ser. No. 229,421. (CLASS 39. CLOTHING.) THE TRAYCO CO., New York, N. Y. Filed Mar. 30, 1926.

Trayco

Particular description of goods.—Mufflers and Scarfs of Woven Material Made of Wool, Worsted, Silk, Cotton, Rayon, Camel's Hair, Alpaca, or any Combination of Such Materials.
Claims use since Jan. 30, 1926.

Ser. No. 229,447. (CLASS 39. CLOTHING.) LEOPOLD LERNER, doing business as The Metropolitan Neckwear Co., New York, N. Y. Filed Mar. 31, 1926.

Magnatye

Particular description of goods.—Neckties.
Claims use since Jan. 15, 1926.

Ser. No. 229,470. (CLASS 39. CLOTHING.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Mar. 31, 1926.

MOORTONE

Particular description of goods.—Dresses and Hats for Women and Children, and Coats, Suits, Sweaters, Sport Coats, Jackets, and Slip-Ons for Men, Women, and Children, Made of Knitted Fabrics.
Claims use since December, 1925.

Ser. No. 229,472. (CLASS 39. CLOTHING.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed March 31, 1926.

MIST-GLOW

Particular description of goods.—Dresses and Hats for Women and Children, and Coats, Suits, Sweaters, Sport Coats, Jackets, and Slip-Ons for Men, Women, and Children, Made of Knitted Fabrics.
Claims use since December, 1925.

Ser. No. 229,485. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESTERN STATES WOOL CORPORATION, Los Angeles, Calif. Filed Mar. 31, 1926.

SHARPNECK

Particular description of goods.—Wool-Scouring Compound.
Claims use since December, 1924.

Ser. No. 229,509. (CLASS 39. CLOTHING.) FRUHAUF BROS. & CO., New York, N. Y. Filed Apr. 1, 1926.

THORNPROOF

Particular description of goods.—Men's and Young Men's Suits and Overcoats in One, Two, Three, and Four Piece Garments, Overcoats, Topcoats, Sack Coats, Waistcoats, Knickers, and Breeches, for Sport and Dress Wear.
Claims use since August, 1925.

Ser. No. 229,529. (CLASS 39. CLOTHING.) WALTER P. TAYLOR, New York, N. Y. Filed Apr. 1, 1926.

Particular description of goods.—Scarfs and Neckties.
Claims use since Feb. 2, 1926.

Ser. No. 229,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BONITA CO., Fond du Lac, Wis. Filed Apr. 2, 1926.

GedunK Sundae

Particular description of goods.—Candy.
Claims use since Feb. 4, 1926.

Ser. No. 229,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DURAND-MCNEIL-HORNER CO., Chicago, Ill. Filed Apr. 2, 1926. Under ten-year proviso.

NONE-SUCH

Particular description of goods.—Baking Powder, Baking Soda, Laundry Starch, Bluing, Ammonia, and Table Salt.
Claims use since 1875.

Ser. No. 229,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMANUEL FAESCH, Basel, Switzerland. Filed Apr. 2, 1926.

HYMODON

Particular description of goods.—Cosmetics for the Mouth, Such as Tooth Paste, Tooth Powder, and Tooth Washes, and Paste for Cleaning Dentures.
Claims use since January, 1920.

Ser. No. 229,572. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Apr. 2, 1926.

Femme du Jour

Particular description of goods.—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.
Claims use since about Feb. 1, 1926.

Ser. No. 229,573. (CLASS 39. CLOTHING.) LOUISIANA PAPER COMPANY, LTD., doing business as Louisiana Hosiery & Notion Co., Shreveport, La. Filed Apr. 2, 1926.

Lou-Anna

Particular description of goods.—Hosiery for Men, Women, and Children, Made of Cotton, Wool, and Silk, and Combinations of These Materials.
Claims use since Jan. 19, 1926.

Ser. No. 229,587. (CLASS 39. CLOTHING.) RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo. Filed Apr. 2, 1926.

1858

Particular description of goods.—Men's and Boys' Overalls, Men's and Boys' Jackets of Knitted and Textile Material, Men's Pants, Men's Work Shirts, Men's Dress Shirts, Boys' Work Shirts, Children's Play Suits of Textile Material, Men's Cotton Work Gloves, and Men's Hosiery of Cotton, Wool, Silk, and Combinations of These Materials.
Claims use since Jan. 18, 1926.

Ser. No. 229,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 2, 1926.

HEXIT

"Hexit."
Particular description of goods.—Insecticide.
Claims use since on or about Mar. 1, 1926.

Ser. No. 229,600. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 2, 1926.

HEXTERMINATE

"Hexterminate."
Particular description of goods.—Insecticide in the Form of Coating or Paint Intended to be Painted or Sprayed on the Infested Places Such as Poultry Roosts, Nest Boxes, Dropping Boards, and in Dog Kennels and Other Places Where Animals Are Kept.
Claims use since on or about Feb. 12, 1926.

Ser. No. 229,607. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Apr. 2, 1926.

MORRAMIN

Particular description of goods.—Medicinal Alterative and Reconstructive Tonic for Nervous Debility, Anæmia, Lack of Appetite, Malnutrition, and Disorders Due to Exhausted Condition of the System.
Claims use since Jan. 12, 1926.

Ser. No. 229,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL FILTER CO., Chicago, Ill. Filed Apr. 3, 1926.

Crystalite

Particular description of goods.—Water-Softening Materials.
Claims use since about June 1, 1924.

Ser. No. 229,689. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Apr. 5, 1926.

Supreme

Particular description of goods.—Hair Nets.
Claims use since Mar. 18, 1926.

Ser. No. 229,690. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Apr. 5, 1926.

Élite

Particular description of goods.—Hair Nets.
Claims use since Mar. 18, 1926.

Ser. No. 229,775. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 7, 1926.

Contessa

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 31, 1926.

Ser. No. 229,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. FOSTER & CO. INC., Boston, Mass. Filed Apr. 7, 1926.

DOULTON

Particular description of goods.—Cotton Piece Goods and Cotton and Linen Piece Goods.
Claims use since Feb. 7, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 11, 1926.

212,573. WELDING RODS. OXWELD ACETYLENE COMPANY, New York, N. Y.
Filed December 17, 1925. Serial No. 224,828. PUBLISHED FEBRUARY 23, 1926.

212,574. ABSORBENT MATERIAL OF FIBROUS CHARACTER. ERROLD B. THOMAS, Newton, Mass.
Filed December 16, 1925. Serial No. 224,787. PUBLISHED FEBRUARY 23, 1926.

212,575. LEAD, SOLDER, AND BABBITT, AND METALS AND METAL ALLOYS. AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif.
Filed December 16, 1925. Serial No. 224,739. PUBLISHED FEBRUARY 23, 1926.

212,576. SALAD DRESSING. LULU E. SCHENCK, doing business as Mrs. A. L. Schenck, Los Angeles, Calif.
Filed December 9, 1925. Serial No. 224,477. PUBLISHED FEBRUARY 23, 1926.

212,577 COTTON PIECE GOODS. LOEFFLER, BREWER & Co., INC., now by change of name Loeffler, Anhalt Company, Inc., New York, N. Y.
Filed December 9, 1925. Serial No. 224,462. PUBLISHED MARCH 2, 1926.

212,578. AMMONIA. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,401. PUBLISHED FEBRUARY 23, 1926.

212,579. IMITATION GOLD AND SILVER LEAF MOUNTED ON A ROLL OF PAPER. PEERLESS ROLL LEAF CO., INC., New York.
Filed December 7, 1925. Serial No. 224,352. PUBLISHED MARCH 2, 1926.

212,580. PILE FABRICS IN THE PIECE. A. T. BAKER & Co. INC., Manayunk, Philadelphia, Pa.
Filed January 22, 1926. Serial No. 226,222. PUBLISHED MARCH 2, 1926.

212,581. PILE FABRICS IN THE PIECE. A. T. BAKER & Co. INC., Manayunk, Philadelphia, Pa.
Filed January 22, 1926. Serial No. 226,221. PUBLISHED MARCH 2, 1926.

212,582. HAIR DYE. NEVAGRA PRODUCTS INC., New York, N. Y.
Filed December 21, 1925. Serial No. 224,985. PUBLISHED FEBRUARY 23, 1926.

212,583. POTTERY. NORTH STATE POTTERY COMPANY, Sanford, N. C., assignor to North State Pottery Co., Sanford, N. C., a Corporation of North Carolina.
Filed December 22, 1925. Serial No. 225,028. PUBLISHED MARCH 2, 1926.

212,584. KNITTED COTTON PADDING FOR LAUNDRY MACHINERY ROLLS. TINGUE, BROWN & Co., New York, N. Y.
Filed December 22, 1925. Serial No. 225,046. PUBLISHED MARCH 2, 1926.

212,585. A LIQUID FOR TREATING THE HAIR, TOILET WATERS, HAIR COLOR RESTORERS, HAIR RENEWERS, HAIR DYES, HAIR SHAMPOO PREPARATIONS, AND PERFUMES. PAUL WESTPHAL, New York, N. Y.
Filed December 22, 1925. Serial No. 225,050. PUBLISHED FEBRUARY 23, 1926.

212,586. HAIR NETS. HYMAN SIMON, New York, N. Y.
Filed December 23, 1925. Serial No. 225,056. PUBLISHED MARCH 2, 1926.

212,587. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, BATH SALTS, ROUGES, DENTIFRICES. SOCIETE ANONYME EUGENE RIMMEL, Paris, France.
Filed December 23, 1925. Serial No. 225,057. PUBLISHED FEBRUARY 23, 1926.

212,588. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, BATH SALTS, ROUGES, DENTIFRICES. SOCIETE ANONYME EUGENE RIMMEL, Paris, France.
Filed December 23, 1925. Serial No. 225,058. PUBLISHED FEBRUARY 23, 1926.

212,589. WOUND CLIPS. CLAY-ADAMS COMPANY, INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,552. PUBLISHED FEBRUARY 23, 1926.

212,590. SILK PIECE GOODS. ZOLLINGER & SCHROTH, INC., New York, N. Y.
Filed January 13, 1926. Serial No. 225,904. PUBLISHED MARCH 2, 1926.

212,591. FERTILIZERS PREPARED FROM HUMUS OR DECAYED VEGETABLE MATTER. THE AMERICAN HUMUS COMPANY, Cleveland, Ohio.
Filed December 5, 1925. Serial No. 224,270. PUBLISHED FEBRUARY 23, 1926.

212,592. DROP FORGINGS. HARRISBURG PIPE & PIPE BENDING CO., Harrisburg, Pa.
Filed December 4, 1925. Serial No. 224,245. PUBLISHED MARCH 2, 1926.

212,593. IRON AND STEEL. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden.
Filed December 3, 1925. Serial No. 224,214. PUBLISHED FEBRUARY 23, 1926.

212,594. BAR IRON, IRON, AND BESSEMER IRON. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden.
Filed December 3, 1925. Serial No. 224,213. PUBLISHED FEBRUARY 23, 1926.

212,595. PIG IRON, IRON, AND STEEL. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden.
Filed December 3, 1925. Serial No. 224,212. PUBLISHED FEBRUARY 23, 1926.

212,596. SIRUP FOR FOOD PURPOSES. NEW IBERIA CANNING COMPANY, INC., New Iberia, La.
Filed December 2, 1925. Serial No. 224,104. PUBLISHED FEBRUARY 23, 1926.

212,597. LAXATIVE CHEWING GUM. GRANT BEST, Detroit, Mich.
Filed November 30, 1925. Serial No. 223,995. PUBLISHED JANUARY 26, 1926.

212,598. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed November 27, 1925. Serial No. 223,881. PUBLISHED MARCH 2, 1926.

212,599. ICE CREAM. NATIONAL ICE CREAM COMPANY, Louisville, Ky.
Filed November 25, 1925. Serial No. 223,860. PUBLISHED FEBRUARY 23, 1926.

212,600. COMPOSITION FOR MAKING HARD REFRACTORY DENTAL MODELS AND INVESTMENTS. LOUIS J. WEINSTEIN, New York, N. Y.
Filed November 12, 1925. Serial No. 223,206. PUBLISHED MARCH 2, 1926.

212,601. MATCHES. NATIONAL GROCER COMPANY, Detroit, Mich.
Filed November 7, 1925. Serial No. 222,992. PUBLISHED MARCH 2, 1926.

212,602. RIFLE CARTRIDGES. WESTERN CARTRIDGE COMPANY, East Alton, Ill.
Filed November 5, 1925. Serial No. 222,896. PUBLISHED MARCH 2, 1926.

212,603. FLOOR TILES, WALL TILES, DECORATIVE CONSTRUCTION TILES, TILES FOR INDUSTRIAL CONSTRUCTION, TILE DOOR FRAMES, AND TILE KNOWN AS CERAMICS. GRUEBY FAIENCE AND TILE COMPANY, Boston, Mass., and Philadelphia, Pa.
Filed November 2, 1925. Serial No. 222,675. PUBLISHED JANUARY 19, 1926.

212,604. MEDICAL AND SURGICAL LAMPS. JAY J. REKAR, doing business as De Luxe Lamp Mfg. Co., Los Angeles, Calif., assignor to De Luxe Lamp Mfg. Co., Los Angeles, Calif., a Corporation of California.
Filed October 11, 1924. Serial No. 203,749. PUBLISHED JANUARY 5, 1926.

212,605. COTTON PIECE GOODS. DENZER & NATHAN, INC., New York, N. Y.
Filed November 29, 1924. Serial No. 205,995. PUBLISHED MARCH 2, 1926.

212,606. A MILK-CONTAINING CHOCOLATE-FLAVORED SIRUP. THE PURE FOOD LABORATORIES COMPANY, Delaware, Ohio.
Filed December 9, 1924. Serial No. 206,492. PUBLISHED FEBRUARY 16, 1926.

212,607. ATOMIZERS. CARL H. HARTMANN, New York, N. Y.
Filed December 29, 1924. Serial No. 207,352. PUBLISHED MARCH 2, 1926.

212,608. COTTON BLANKETS. BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I.
Filed January 3, 1925. Serial No. 207,609. PUBLISHED MARCH 2, 1926.

212,609. CANNED GOODS—NAMELY, SWEET CORN, BAKED BEANS, EVAPORATED MILK, PEARS, FRUIT PRESERVES, PINEAPPLE, SWEET PEAS, SALMON, BEANS, TOMATOES, PUMPKIN, FRUIT SALAD, CHERRIES, DRIED BEEF, BEETS, HOMINY, PEACHES, LIMA BEANS, SAUERKRAUT, AND APRICOTS; SALAD DRESSING, MUSTARD, CIDER VINEGAR, DRIED LIMA BEANS, CATCHUP, MOLASSES, TEA, RICE, COFFEE, SUGAR, RAISINS, SPICES, CORNSTARCH FOR FOOD PURPOSES, TAPIOCA, CANDY, AND ROLLED OATS. SHUSTER GORMLY COMPANY, Jeannette, Pa.
Filed March 7, 1925. Serial No. 210,688. PUBLISHED AUGUST 25, 1925.

212,610. STEEL FORMS FOR CONCRETE CONSTRUCTION WORK. HOTCHKISS STEEL PRODUCTS CO., INC., Binghamton, N. Y.
Filed May 25, 1925. Serial No. 214,868. PUBLISHED MARCH 2, 1926.

212,611. TOOTHPICKS. THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga.
Filed June 8, 1925. Serial No. 215,479. PUBLISHED MARCH 2, 1926.

212,612. FRESH APPLES. CARL E. RHODES, Maurertown, Va.
Filed June 12, 1925. Serial No. 215,707. PUBLISHED JANUARY 5, 1926.

212,613. EQUIPMENT FOR WELDING, CUTTING, BRAZING, SOLDERING, LEAD BURNING, AND CARBON BURNING. THE BASTIAN-BLESSING COMPANY, Chicago, Ill.
Filed July 25, 1925. Serial No. 217,853. PUBLISHED MARCH 2, 1926.

212,614. CINEMATOGRAPHIC APPARATUS. JOSEPH ALBERT RIGNON, Paris, France.
Filed July 24, 1925. Serial No. 218,033. PUBLISHED FEBRUARY 23, 1926.

212,615. FOOT POWDER. L. J. CROSBY, Orient, S. Dak.
Filed August 6, 1925. Serial No. 218,473. PUBLISHED DECEMBER 29, 1925.

212,616. GAUZE RIBBON FOR SECURING BOUQUETS OF FLOWERS. OSCAR LION, doing business as Lion and Company, New York, N. Y.
Filed August 11, 1925. Serial No. 218,707. PUBLISHED MARCH 2, 1926.

212,617. CLOTHS AND STUFFS OF WOOL, WORSTED, AND HAIR. G. & G. KYNOCH, LIMITED, London, England, and Keith, Scotland.
Filed August 25, 1925. Serial No. 219,337. PUBLISHED MARCH 2, 1926.

212,618. HYDROSTATIC VALVES, FLOAT VALVES, NEEDLE VALVES, CAM VALVES, ALL FOR USE WITH WATER-SOFTENING APPARATUS AND WATER SYSTEMS. THE DUMO PUMP AND MANUFACTURING COMPANY, Dayton, Ohio.
Filed September 21, 1925. Serial No. 220,510. PUBLISHED MARCH 2, 1926.

212,619. SANITARY APRONS AND SANITARY ELASTIC BELTS. ISIDOR GOLDBERG, doing business as National Garter Co., New York, N. Y.
Filed October 16, 1925. Serial No. 221,816. PUBLISHED FEBRUARY 23, 1926.

212,620. COTTON, SILK, SATIN, AND VELVET PIECE GOODS. J. EINSTEIN, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 225,999. PUBLISHED MARCH 2, 1926.

212,621. PIECE GOODS MADE OF COTTON. MERIDIAN TEXTILE CORPORATION, New York, N. Y.
Filed January 19, 1926. Serial No. 226,107. PUBLISHED MARCH 2, 1926.

212,622. INSECTICIDE. KOMO CHEMICAL CO., INC., Philadelphia, Pa.
Filed October 31, 1925. Serial No. 222,617. PUBLISHED MARCH 2, 1926.

212,623. NERVE AND KIDNEY PILLS, LINIMENT, AND COMPOUND EXTRACT FOR STOMACH AND BOWEL DISEASES. THE MICHIGAN DRUG CO., Detroit, Mich.
Filed October 17, 1925. Serial No. 221,905. PUBLISHED FEBRUARY 23, 1926.

212,624. KNITTED GARMENTS—NAMELY, SWEATERS. PALM KNITTING CO., INC., New York, N. Y.
Filed October 5, 1921. Serial No. 153,772. PUBLISHED MAY 15, 1923.

212,625. METAL SHANK STIFFENERS FOR LEATHER SHOES. FRANK G. DELBON, Brooklyn, N. Y.
Filed February 12, 1924. Serial No. 192,173. PUBLISHED DECEMBER 2, 1924.

212,626. PERFUME, TOILET WATER, AND FACE POWDER. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed January 2, 1926. Serial No. 225,408. PUBLISHED FEBRUARY 23, 1926.

212,627. INSECTICIDES, DEODORANTS, DISINFECTANTS, AND ANTISEPTIC SOLUTIONS. U. S. TECHNICAL PRODUCTS COMPANY, New York, N. Y., and Scotch Plains, N. J.
Filed December 24, 1925. Serial No. 225,152. PUBLISHED FEBRUARY 23, 1926.

212,628. PEVENTIVE OF PYORRHEA AND ALL MOUTH INFECTIONS. NATIONAL RADIUM LABORATORIES, INC., Minneapolis, Minn.
Filed December 23, 1925. Serial No. 225,099. PUBLISHED FEBRUARY 23, 1926.

212,629. FACE CREAMS, FACE POWDERS, BATH POWDERS, AND OIL ASTRINGENTS. ISABELLA E. BOYLE, Omaha, Nebr.
Filed December 23, 1925. Serial No. 225,072. PUBLISHED FEBRUARY 23, 1926.

212,630. AMMONIA. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,403. PUBLISHED FEBRUARY 23, 1926.

212,631. COUGH SIRUP. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,384. PUBLISHED FEBRUARY 23, 1926.

212,632. FOOT LOTION FOR THE TREATMENT OF CORNS AND CALLI. ROSE MARY FRISCHE, doing business as Mme. Frische, Columbus, Ohio.
Filed December 8, 1925. Serial No. 224,379. PUBLISHED FEBRUARY 23, 1926.

212,633. MEDICINE FOR RHEUMATISM, TOOTHACHE, HEADACHE, LUMBAGO, STIFF JOINTS, SORE FEET, SPRAINED ANKLES, ETC. ANDY BENEDICT & SONS, Struthers, Ohio.
Filed December 4, 1925. Serial No. 224,228. PUBLISHED FEBRUARY 23, 1926.

212,634. A NONFREEZING MIXTURE TO BE USED IN THE RADIATORS OF AUTOMOBILES. THE ARCTIC CHEMICAL CO., Canton, Ohio.
Filed December 1, 1925. Serial No. 224,129. PUBLISHED FEBRUARY 23, 1926.

212,635. TONIC ELIXIR OF IRON. THE WALTER LEWIS COMPANY, Trenton, N. J.
Filed November 27, 1925. Serial No. 223,950. PUBLISHED FEBRUARY 23, 1926.

212,636. ELECTRIC SEWING MACHINES. FREE SEWING MACHINE COMPANY, Rockford, Ill.
Filed November 3, 1925. Serial No. 222,730. PUBLISHED MARCH 2, 1926.

212,637. INSECTICIDE. CALIFORNIA REX SPRAY CO., Sacramento and Benicia, Calif.
Filed October 27, 1925. Serial No. 222,368. PUBLISHED FEBRUARY 23, 1926.

212,638. HAT MACHINERY AND PARTICULARLY HAT BAT-FELTING MACHINES. UNITED STATES HAT MACHINERY CORPORATION, New York, N. Y.
Filed October 20, 1925. Serial No. 222,052. PUBLISHED MARCH 2, 1926.

212,639. BATTERIES AND THEIR ACCESSORIES—NAMELY, TERMINALS, LEADS, GRIDS, SEPARATORS, BATTERY CHARGERS, AND BATTERY BOXES. SOUTHLAND BATTERY COMPANY, Washington, D. C.
Filed October 16, 1925. Serial No. 221,856. PUBLISHED FEBRUARY 23, 1926.

212,640. LIQUID CHLORINE, SULPHUR CHLORIDE, CARBON BI-SULPHIDE, CHLOROFORM, CALCIUM ARSENATE, CARBON TETRACHLORIDE, LIGNINE, PARA CYMENE. BROWN COMPANY, Portland, Me., and Berlin, N. H.
Filed October 7, 1925. Serial No. 221,348. PUBLISHED FEBRUARY 23, 1926.

212,641. INTERNAL-COMBUSTION MOTORS AND PARTS THEREOF. ADOLPH SAURER, INC., New York, N. Y.
Filed September 23, 1925. Serial No. 220,680. PUBLISHED MARCH 2, 1926.

212,642. MOBILE POWER SHOVELS AND CRANES. THE UNIVERSAL CRANE COMPANY, Elyria, Ohio.
Filed April 22, 1925. Serial No. 213,152. PUBLISHED MARCH 2, 1926.

212,643. LIQUID-LEVEL GAUGES. KING-SEELEY CORPORATION, Ann Arbor, Mich.
Filed November 9, 1925. Serial No. 223,042. PUBLISHED FEBRUARY 16, 1926.

212,644. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,589. PUBLISHED MARCH 2, 1926.

212,645. HOSIERY. MOORE & FISHER, INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,567. PUBLISHED MARCH 2, 1926.

212,646. PREPARATION FOR THE TREATMENT OF NARCOTIC DRUG ADDICTION DISEASE. LIPOIDAL LABORATORIES, INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,562. PUBLISHED FEBRUARY 23, 1926.

212,647. DEPILATORY. HUMBERT BIZZONI, Long Island City, N. Y.
Filed January 6, 1926. Serial No. 225,547. PUBLISHED FEBRUARY 23, 1926.

212,648. HOSIERY. N. J. THOMPSON & CO., Elmira, N. Y.
Filed December 31, 1925. Serial No. 225,384. PUBLISHED MARCH 2, 1926.

212,649. POULTRY FEED. BLACK & WHITE MILLING COMPANY, East St. Louis, Ill.
Filed December 26, 1925. Serial No. 225,167. PUBLISHED FEBRUARY 23, 1926.

212,650. BISCUITS. STANDARD BISCUIT COMPANY, Des Moines, Iowa.
Filed December 24, 1925. Serial No. 225,147. PUBLISHED FEBRUARY 23, 1926.

212,651. WHEAT FLOUR. RUSSELL-MILLER MILLING CO., Minneapolis, Minn.
Filed December 21, 1925. Serial No. 224,990. PUBLISHED FEBRUARY 16, 1926.

212,652. LADIES', MISSES', AND CHILDREN'S HOSIERY. LANGMAN, GRAY COMPANY, Philadelphia, Pa.
Filed December 21, 1925. Serial No. 224,978. PUBLISHED MARCH 2, 1926.

212,653. OVERALLS. SAMUEL H. BERMAN, doing business as Tip-Top Overall Company, Cincinnati, Ohio.
Filed December 21, 1925. Serial No. 224,944. PUBLISHED MARCH 2, 1926.

212,654. DRESS, WORK, AND NEGLIGEE SHIRTS, BLOUSES, NIGHTSHIRTS, AND PYJAMAS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed December 19, 1925. Serial No. 224,019. PUBLISHED MARCH 2, 1926.

212,655. DRESS, NEGLIGEE, AND WORK SHIRTS, PYJAMAS, AND BOYS' BLOUSES. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed December 19, 1925. Serial No. 224,918. PUBLISHED MARCH 2, 1926.

212,656. SWEET CHOCOLATE, CHOCOLATES, COCOA, CANDIES, AND BISCUITS. MAATSCHAPPIJ TOT EXPLOITATIE VAN RADEMAKER'S KONINKLIJKE CACAO & CHOCOLADEFABRIEKEN, The Hague, Netherlands.
Filed December 16, 1925. Serial No. 224,776. PUBLISHED FEBRUARY 23, 1926.

212,657. HOSIERY. PECK & PECK, New York N. Y.
Filed December 12, 1925. Serial No. 224,617. PUBLISHED MARCH 2, 1926.

212,658. FINGER RINGS. ROBERT E. NAUMBURG, doing business as Ren Manufacturing Company, Winchester, Mass.
Filed December 11, 1925. Serial No. 224,571. PUBLISHED FEBRUARY 23, 1926.

212,659. OIL FILTERS PARTICULARLY ADAPTED FOR AUTOMOBILES. MOTOR IMPROVEMENTS, INC., Newark, N. J.
Filed October 26, 1925. Serial No. 222,333. PUBLISHED FEBRUARY 16, 1926.

212,660. MEN'S COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS. LONDONTOWN CLOTHES, INC., Baltimore, Md.
Filed January 12, 1926. Serial No. 225,830. PUBLISHED MARCH 2, 1926.

212,661. HOSIERY OF SILK, COTTON, AND COMBINATIONS FOR MEN AND WOMEN. R. A. PILCHER Co., INC., New York, N. Y.
Filed January 9, 1926. Serial No. 225,731. PUBLISHED MARCH 2, 1926.

212,662. ANTISEPTIC TABLETS. DANIEL H. LAMKE, New York, N. Y.
Filed January 7, 1926. Serial No. 225,611. PUBLISHED FEBRUARY 23, 1926.

212,663. LADIES' AND MISSES' SPORT COATS. KIRSHNER & ALEXANDER, New York, N. Y.
Filed January 7, 1926. Serial No. 225,610. PUBLISHED MARCH 2, 1926.

212,664. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,595. PUBLISHED MARCH 2, 1926.

212,665. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,594. PUBLISHED MARCH 2, 1926.

212,666. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,591. PUBLISHED MARCH 2, 1926.

212,667. CORE DRILLS, DISK-BIT SHANKS, CASING HEADS, FLOW BEAMS, OIL-WELL BITS, OIL-WELL SWABS, FISHTAIL BITS, AND OIL-WELL REAMERS. ALLEN AND COURTNEY OIL TOOL COMPANY, Compton, Calif.
Filed August 10, 1925. Serial No. 218,589. PUBLISHED MARCH 2, 1926.

212,668. WIND TURBINES. HERBERT E. BUCKLEN CORPORATION, Elkhart, Ind.
Filed August 12, 1925. Serial No. 218,731. PUBLISHED MARCH 2, 1926.

212,669. ROOT WASHERS, AN APPARATUS FOR WASHING CARROTS, TURNIPS, PARSNIPS, AND OTHER ROOTLIKE VEGETABLES. THE FRANK HELD TRACTOR Co., Columbus, Ohio.
Filed November 9, 1925. Serial No. 223,034. PUBLISHED MARCH 2, 1926.

212,670. FUNGICIDE. CALIFORNIA REX SPRAY Co., Sacramento and Benicia, Calif.
Filed October 27, 1925. Serial No. 222,369. PUBLISHED FEBRUARY 23, 1926.

212,671. RADIO RECEIVING SETS AND KNOCKDOWN KITS FOR BUILDING RECEIVING SETS. CHAS. FRESHMAN COMPANY, INCORPORATED, New York, N. Y., assignor to Chas. Freshman Co. Inc., New York, N. Y., a Corporation of New York.
Filed December 20, 1924. Serial No. 207,006. PUBLISHED FEBRUARY 23, 1926.

212,672. COLD CREAM AND HAIRDRESSING POMADE, ESPECIALLY BOBBED-HAIR GLOSS ADAPTED FOR STRAIGHTENING AND PRESSING KINKY HAIR. JOHN A. MARTIN, doing business as Peerless Products Company, Jersey City, N. J.
Filed February 19, 1925. Serial No. 209,854. PUBLISHED APRIL 28, 1925.

212,673. RADIO RECEIVING SETS AND PARTS—NAMELY, CONDENSERS, VARIOMETERS, BATTERIES, HEAD PHONES, AND BINDING POSTS. WILLIAM F. KUHN, doing business as Simplex Radio Supply Co., St. Louis, Mo.
Filed February 25, 1925. Serial No. 210,127. PUBLISHED FEBRUARY 23, 1926.

212,674. CERTAIN ELECTRICAL APPARATUS AND PARTS. BAKELITE CORPORATION, New York, N. Y.
Filed April 11, 1925. Serial No. 212,529. PUBLISHED FEBRUARY 23, 1926.

212,675. SWITCH PLATES. SWITCH PLATE CORPORATION, Norfolk, Va.
Filed April 20, 1925. Serial No. 213,051. PUBLISHED FEBRUARY 9, 1926.

212,676. MOTION-PICTURE FILMS. FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y.
Filed April 30, 1925. Serial No. 213,561. PUBLISHED FEBRUARY 16, 1926.

212,677. WAX DISTRIBUTOR AND FLOOR POLISHER. PEERLESS PRODUCTS COMPANY, Los Angeles, Calif.
Filed May 29, 1925. Serial No. 215,092. PUBLISHED JANUARY 19, 1926.

212,678. RADIO RECEIVING APPARATUS AND ADJUNCTS OR PORTIONS THEREOF—NAMELY, ASSEMBLED RADIO RECEIVING SETS AND PARTS THEREOF, AND UNASSEMBLED RECEIVING SETS OR KITS, AND RADIOFREQUENCY AMPLIFYING UNITS; BOOSTERS, AND SELECTIVE TUNERS FOR USE IN CONJUNCTION WITH ASSEMBLED RECEIVING SETS. WALTER H. HUTH, doing business as Walbert Manufacturing Co., Chicago, Ill.
Filed July 20, 1925. Serial No. 217,619. PUBLISHED FEBRUARY 23, 1926.

212,679. PERFUMES, TOILET WATERS, FACE POWDERS, FACE CREAMS, FACE LOTIONS, ROUGES, LIP STICKS, AND EYEBROW PENCILS. BETTY WALES INC., New York, N. Y.
Filed December 10, 1925. Serial No. 224,496. PUBLISHED FEBRUARY 23, 1926.

212,680. CERTAIN NAMED TOILET PREPARATIONS. S. GLEMBY'S SONS Co., INC., New York, N. Y.
Filed October 27, 1923. Serial No. 187,578. PUBLISHED MARCH 11, 1924.

212,681. BAKERY PRODUCTS—NAMELY, CAKES, COOKIES, CRACKERS, PIES, AND BREAD. VESS JONES, New York, N. Y.
Filed July 22, 1922. Serial No. 167,246. PUBLISHED FEBRUARY 16, 1926.

212,682. TOOLS—NAMELY, WRENCHES, POWER GRINDERS, AND SICKLE ATTACHMENTS. AMERICAN GRINDER MANUFACTURING Co., Milwaukee, Wis.
Filed May 17, 1924. Serial No. 197,181. PUBLISHED OCTOBER 7, 1924.

212,683. SOUND BOXES FOR PHONOGRAPHS. SAMUEL ESHBORN, New York, N. Y.
Filed June 16, 1924. Serial No. 198,629. PUBLISHED DECEMBER 23, 1924.

212,684. NUTRISAL, A MINERAL SALT PREPARATION FOR THE TREATMENT AND PREVENTION OF INDIGESTION, MALNUTRITION, TUBERCULOSIS, ULCERS, RHEUMATISM, NEURITIS, CONSTIPATION, SKIN DISEASES, PYORRHEA, CANCER, RICKETS, ANEMIA, ETC. SALFOOD LABORATORIES, INC., Chicago, Ill.
Filed December 4, 1924. Serial No. 206,258. PUBLISHED FEBRUARY 24, 1925.

212,685. LIQUID-LEVEL GAUGES. KING-SEELEY CORPORATION, Ann Arbor, Mich.
Filed November 9, 1925. Serial No. 223,043. PUBLISHED FEBRUARY 16, 1926.

212,686. FLUID AND HYDRAULIC JACKS. THE OIL JACK COMPANY, INC., New York, N. Y.
Filed November 19, 1925. Serial No. 223,541. PUBLISHED MARCH 2, 1926.

212,687. TIRE PATCH FOR INNER TUBES, RUBBER BOOTS, HOT-WATER BOTTLES, AND ALL RUBBER GOODS. CLARENCE J. LIVENGOOD, doing business as Hug-Me-Tite Manufacturing Company, Winston-Salem, N. C.
Filed November 14, 1925. Serial No. 223,310. PUBLISHED FEBRUARY 16, 1926.

212,688. DISINFECTANTS. T. D. ALLEN, doing business as Microzone Chemical Co., Fresno, Calif.
Filed November 10, 1925. Serial No. 223,071. PUBLISHED FEBRUARY 23, 1926.

212,689. CANNED PEACHES. LIBBY, MCNEILL & LIBBY, Chicago, Ill.
Filed November 19, 1925. Serial No. 223,530. PUBLISHED FEBRUARY 23, 1926.

212,690. HAIRDRESSING AND MEDICINE FOR TREATING DISEASES OF THE SCALP. CONNER & WALTERS COMPANY, INC., Charlotte, N. C.
Filed October 20, 1925. Serial No. 222,011. PUBLISHED FEBRUARY 23, 1926.

212,691. SODA ASH, CAUSTIC SODA, BICARBONATE OF SODA, SULPHUR, SUGAR OF MILK, CARBON BLACK, AND BLEACHING POWDER. NIPPON DRYGOODS COMPANY, San Francisco, Calif.
Filed October 9, 1925. Serial No. 221,500. PUBLISHED FEBRUARY 23, 1926.

212,692. CANNED FRUITS AND CANNED VEGETABLES, CANNED CONDENSED AND EVAPORATED MILK, CANNED FISH, COFFEE, AND CONDIMENTS—NAMELY, CATCHUP, CHILI SAUCE, PREPARED MUSTARD, MAYONNAISE, AND SALAD DRESSING. W. H. POLLARD, Memphis, Tenn.
Filed October 8, 1925. Serial No. 221,449. PUBLISHED FEBRUARY 23, 1926.

212,693. CAKE SLICERS. ESTLE H. BROOKS, Evergreen, Ala.
Filed November 20, 1925. Serial No. 223,572. PUBLISHED MARCH 2, 1926.

212,694. MEDICINE TO BE USED AS A NERVE TONIC, A GENERAL ALTERATIVE, BLOOD AND SKIN TONIC, PUT UP IN LIQUID AND TABLET FORM FOR INTERNAL USE. H. E. STOREY, doing business as Storey Laboratories, Houston, Tex.
Filed November 30, 1925. Serial No. 224,060. PUBLISHED FEBRUARY 23, 1926.

212,695. FOLDING CAMP FURNITURE—NAMELY, BEDS, COTS, TABLES, STOOLS, AND CHAIRS MADE MAINLY OF STEEL. DOUGLAS MANUFACTURING COMPANY, Crete, Nebr.
Filed December 2, 1925. Serial No. 224,082. PUBLISHED FEBRUARY 9, 1926.

212,696. HYDRAULIC ENGINES AND RAMS. RIFE HYDRAULIC ENGINE M'F'G Co., New York, N. Y.
Filed December 3, 1925. Serial No. 224,205. PUBLISHED MARCH 2, 1926.

212,697. BLUING. FRANK E. HARRIS Co. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,404. PUBLISHED FEBRUARY 23, 1926.

212,698. BLUING. FRANK E. HARRIS Co. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,405. PUBLISHED FEBRUARY 23, 1926.

212,699. BED SPRINGS. PERFECTION MATTRESS AND SPRING Co., Birmingham, Ala.
Filed December 8, 1925. Serial No. 224,422. PUBLISHED FEBRUARY 16, 1926.

212,700. DAIRY FEED. BLACK & WHITE MILLING COMPANY, East St. Louis, Ill.
Filed December 26, 1925. Serial No. 225,168. PUBLISHED FEBRUARY 23, 1926.

212,701. WHEAT FLOUR. MODEL MILL Co., Jackson, Tenn.
Filed December 29, 1925. Serial No. 225,271. PUBLISHED FEBRUARY 23, 1926.

212,702. MUTTON TALLOW FOR MEDICINAL USES. HARRY L. MCQUEEN, Washington, D. C.
Filed December 22, 1925. Serial No. 225,022. PUBLISHED FEBRUARY 23, 1926.

212,703. PISTONS. PERMITE PISTON Co., Cincinnati, Ohio.
Filed December 23, 1925. Serial No. 225,053. PUBLISHED MARCH 2, 1926.

212,704. CERTAIN NAMED FOOD PRODUCTS. DURAND-MCNEIL-HORNER Co., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,816. PUBLISHED FEBRUARY 23, 1926.

212,705. PLIERS AND WRENCHES. THE GRIPSTIK Co., Dover, Ohio.
Filed October 27, 1924. Serial No. 204,454. PUBLISHED FEBRUARY 23, 1926.

212,706. PAINTER'S BRUSHES. ATLAS BRUSH CORPORATION, Brooklyn, N. Y.
Filed March 12, 1925. Serial No. 210,877. PUBLISHED NOVEMBER 3, 1925.

212,707. GRID LEAKS AND CONDENSERS. MICAMOLD RADIO CORP., Brooklyn, N. Y.
Filed September 4, 1925. Serial No. 219,830. PUBLISHED FEBRUARY 23, 1926.

212,708. FEED FOR LIVESTOCK, INCLUDING HORSES, MULES, COWS, POULTRY, ETC. CHARLESTON MILLING & PRODUCE COMPANY, Charleston-Kanawha, W. Va.
Filed November 12, 1925. Serial No. 223,163. PUBLISHED FEBRUARY 23, 1926.

212,709. RADIO RECEIVING SETS, LOUD SPEAKERS, AND REPRODUCING UNITS, TRANSFORMERS, TUNING UNITS, PLUGS, AERIAL EQUIPMENT, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed November 16, 1925. Serial No. 223,376. PUBLISHED FEBRUARY 23, 1926.

212,710. WATCHES, WATCH MOVEMENTS, CLOCKS. ASSHA, Geneva, Switzerland.
Filed November 30, 1925. Serial No. 223,987. PUBLISHED FEBRUARY 23, 1926.

212,711. SPIRITS OF CAMPHOR. FRANK E. HARRIS Co. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,398. PUBLISHED FEBRUARY 23, 1926.

212,712. LINIMENT, HORSE RENOVATING POWDERS, AND COLIC REMEDIES FOR HORSES. FANNIE HUMISTON WILLS, Quincy, Ill.
Filed January 2, 1926. Serial No. 225,459. PUBLISHED FEBRUARY 23, 1926.

212,713. AMMONIA. FRANK E. HARRIS Co. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,399. PUBLISHED FEBRUARY 23, 1926.

212,714. AMMONIA. FRANK E. HARRIS Co. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,400. PUBLISHED FEBRUARY 23, 1926.

212,715. PIANOS, PLAYER PIANOS AND REPRODUCING PIANOS. HARDMAN, PECK & Co., New York, N. Y.
Filed December 9, 1925. Serial No. 224,457. PUBLISHED FEBRUARY 23, 1926.

212,716. PRECIOUS STONES, NECKLACES, PEARLS, BEADED BAGS MOUNTED IN PRECIOUS METALS, AND JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. ELLIOT, GREENE & Co. INC., New York, N. Y.
Filed December 10, 1925. Serial No. 224,505. PUBLISHED FEBRUARY 23, 1926.

212,717. PORTABLE ELECTRIC CORDS AND CABLES. CENTRAL ELECTRIC COMPANY, Chicago, Ill.
Filed December 11, 1925. Serial No. 224,549. PUBLISHED FEBRUARY 23, 1926.

212,718. STEEL SHEETS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed December 14, 1925. Serial No. 224,687. PUBLISHED JANUARY 26, 1926.

212,719. STEEL SHEETS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed December 13, 1925. Serial No. 224,688. PUBLISHED JANUARY 26, 1926.

212,720. HAMMERS, HATCHETS, AXES, LAWN MOWERS, ADZES, SAWS, AUGER BITS, TOOL HANDLES, FILES, SHEARS, HUNTER'S AXES, AND BROAD AXES. THE GEORGE TRITCH HARDWARE COMPANY, Denver, Colo.
Filed December 16, 1925. Serial No. 224,755. PUBLISHED FEBRUARY 23, 1926.

212,721. LAUNDRY MACHINERY—TO WIT, WASHER CYLINDERS, DRY TUMBLERS, BAG HOLDERS, LAUNDRY TRUCKS, AND SORTING TABLES. INVINCIBLE LAUNDRY EQUIPMENT CO., Chicago, Ill.
Filed December 17, 1925. Serial No. 224,822. PUBLISHED FEBRUARY 23, 1926.

212,722. RADIO ANTENNA. LINCOLN RADIO CORPORATION, Chicago, Ill.
Filed December 18, 1925. Serial No. 224,874. PUBLISHED FEBRUARY 23, 1926.

212,723. WHEAT FLOUR. RUSSELL-MILLER MILLING CO., Minneapolis, Minn.
Filed December 21, 1925. Serial No. 224,991. PUBLISHED FEBRUARY 16, 1926.

212,724. VINEGAR, SPICES, PEPPER, AND PRESERVED FRUITS AND BERRIES. NEWARK WHOLESALE GROCERY CO., Newark, N. J.
Filed April 6, 1925. Serial No. 212,285. PUBLISHED FEBRUARY 23, 1926.

212,725. MUTTON TALLOW FOR MEDICINAL USES. HARRY L. MCQUEEN, Washington, D. C.
Filed December 22, 1925. Serial No. 225,023. PUBLISHED FEBRUARY 23, 1926.

212,726. INSECTICIDE. ALLEN B. ARD, Iron City, Ga.
Filed January 14, 1926. Serial No. 225,907. PUBLISHED FEBRUARY 23, 1926.

212,727. COMPOSITION FOR THE TREATMENT OF GOITRE. DR. PAUL BOMMARITO, Detroit, Mich.
Filed January 13, 1926. Serial No. 225,866. PUBLISHED FEBRUARY 23, 1926.

212,728. LUNG, THROAT, AND BRONCHIAL MEDICINE. BAKER DRUG COMPANY, Portland, Oreg.
Filed January 13, 1926. Serial No. 225,859. PUBLISHED FEBRUARY 23, 1926.

212,729. COUGH LOZENGES. E. C. RICH, INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,847. PUBLISHED FEBRUARY 23, 1926.

212,730. COUGH LOZENGES. E. C. RICH, INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,848. PUBLISHED FEBRUARY 23, 1926.

212,731. JUJUBES MADE OF MENTHOL AND EUCALYPTUS, OF MENTHOL AND GLYCERIN, AND OF PURE GLYCERIN; AND CLEAR GUMS MADE OF MENTHOL AND EUCALYPTUS, OF MENTHOL AND GLYCERIN, AND OF PURE GLYCERIN. E. C. RICH, INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,845. PUBLISHED FEBRUARY 23, 1926.

212,732. TYPEWRITER RIBBONS. THURSTON CUTTING CORPORATION, New York, N. Y.
Filed January 11, 1926. Serial No. 225,817. PUBLISHED FEBRUARY 23, 1926.

212,733. MEDICINAL PREPARATION RECOMMENDED FOR THE RELIEF OF POST-PARTUM PAINS. SCHERING & GLATZ, INC., New York, N. Y.
Filed January 8, 1926. Serial No. 225,680. PUBLISHED FEBRUARY 23, 1926.

212,734. COUGH REMEDY. JOSEPH FUTTERMAN, doing business as Perkins Chemical Co., Baltimore, Md.
Filed January 8, 1926. Serial No. 225,656. PUBLISHED FEBRUARY 23, 1926.

212,735. HEEL SWEEPS FOR CULTIVATORS. COLUMBUS IRON WORKS CO., doing business as Southern Plow Co. Dept., Columbus, Ga.
Filed January 8, 1926. Serial No. 225,648. PUBLISHED FEBRUARY 23, 1926.

212,736. PERFUMES, ROUGE, FACE POWDER, FACE CREAM, AND TALCUM POWDER. LOUIS BECKER, doing business as Becker Fils, Paris, France.
Filed January 5, 1926. Serial No. 225,501. PUBLISHED FEBRUARY 23, 1926.

212,737. INSECTICIDES. GOULARD & OLENA, INC., New York, N. Y.
Filed January 2, 1926. Serial No. 225,417. PUBLISHED FEBRUARY 23, 1926.

212,738. PERFUME, TOILET WATER, AND FACE POWDER. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed January 2, 1926. Serial No. 225,409. PUBLISHED FEBRUARY 23, 1926.

212,739. DAIRY PRODUCTS, PARTICULARLY BUTTER. SOUTHERN DAIRIES, INC., Miami, Fla.
Filed December 29, 1925. Serial No. 225,289. PUBLISHED FEBRUARY 23, 1926.

212,740. COAL. RODEN COAL COMPANY, Marvel, Ala.
Filed November 27, 1925. Serial No. 223,943. PUBLISHED JANUARY 12, 1926.

212,741. PHARMACEUTICAL PREPARATION FOR THE ERADICATION OF INTESTINAL WORMS IN POULTRY. BURRELL-DUGGER COMPANY, Indianapolis, Ind.
Filed December 21, 1925. Serial No. 224,952. PUBLISHED FEBRUARY 23, 1926.

212,742. RADIO TUNING DIALS. RADIALL COMPANY, New York, N. Y.
Filed August 29, 1925. Serial No. 219,557. PUBLISHED FEBRUARY 23, 1926.

212,743. THIN PASTE. M. WITMARK & SONS, New York, N. Y.
Filed September 14, 1925. Serial No. 220,268. PUBLISHED FEBRUARY 16, 1926.

212,744. CANNED FRUITS AND VEGETABLES, CATCHUP, CANNED APPLE BUTTER, CANNED TOMATO PUREE, AND FRESH DECIDUOUS FRUITS. MID-MOUNTAIN FRUIT CO., INC., Bentonville, Ark.
Filed October 5, 1925. Serial No. 221,268. PUBLISHED FEBRUARY 23, 1926.

212,745. CERTAIN NAMED TOILET PREPARATIONS. PATTIE PARK LEE, Kansas City, Mo.
Filed October 6, 1925. Serial No. 221,323. PUBLISHED FEBRUARY 23, 1926.

212,746. ITALIAN BREAD STICKS AND BREAD. DAN-SAY BAKING CO. INC., Brooklyn, N. Y.
Filed December 12, 1925. Serial No. 224,599. PUBLISHED FEBRUARY 16, 1926.

212,747. MATTRESSES. A. BRANDWEIN & Co., Chicago, Ill.
Filed December 14, 1925. Serial No. 224,651. PUBLISHED FEBRUARY 9, 1926.

212,748. BREAKFAST CEREALS. THE WHEATAL COMPANY, Bangor, Me.
Filed December 17, 1925. Serial No. 224,851. PUBLISHED FEBRUARY 16, 1926.

212,749. COUGH REMEDIES, A RELIEF FOR COUGHS, COLDS, SORE THROAT, AND INFLUENZA. MENNO AMSTUTZ, doing business as The Dox Manufacturing Company, Not Inc., Pandora, Ohio.
Filed August 21, 1925. Serial No. 219,160. PUBLISHED FEBRUARY 23, 1926.

212,750. FRESH POULTRY AND EGGS. HOFFMAN & MAYER, INC., New York, N. Y.
Filed December 11, 1925. Serial No. 224,562. PUBLISHED FEBRUARY 23, 1926.

212,751. MALT SIRUP FOR FOOD PURPOSES. STANDARD SEED CO., doing business as Standard Seed Products Co., Kansas City, Mo.
Filed December 10, 1925. Serial No. 224,535. PUBLISHED FEBRUARY 23, 1926.

212,752. LADIES' WEARING APPAREL—NAMELY, DRESSES, COATS, SUITS, AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS. TRIANGLE APPAREL CO., New York, N. Y.
Filed December 5, 1925. Serial No. 224,305. PUBLISHED MARCH 2, 1926.

212,753. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CATCHUP, VINEGAR, MINCEMEAT, SPICES, ALIMENTARY PASTES, AND BREAKFAST CEREALS. THE LEHMANN-HIGGINSON GROCER COMPANY, Wichita, Kans.
Filed August 24, 1925. Serial No. 219,291. PUBLISHED FEBRUARY 23, 1926.

212,754. CERTAIN ELECTRICAL APPLIANCES. WILLIAM WESLEY HICKS, San Francisco, Calif.
Filed December 3, 1925. Serial No. 224,189. PUBLISHED FEBRUARY 23, 1926.

212,755. MEDICAL PREPARATION FOR THE TREATMENT OF SKIN DISEASES. FIDELIA M. DE MORALES, San Francisco, Calif.
Filed December 3, 1925. Serial No. 224,181. PUBLISHED MARCH 2, 1926.

212,756. HAIR OILS. MICHAEL M. LERNER, doing business as Marie de Medicis Company, Philadelphia, Pa.
Filed November 28, 1925. Serial No. 223,966. PUBLISHED MARCH 2, 1926.

212,757. LAXATIVE PILLS, ARSENATED IRON TABLETS, INDIGESTION TREATMENT, COLD AND NEURALGIA CAPSULES, WORM LOZENGES, GOUT AND RHEUMATIC TABLETS, CROUP EMULSION, MILK OF MAGNESIA, AND RHEUMATIC COMPOUND. CLYDE KERIDES BAER, doing business as Baer's Pharmacy, Philadelphia, Pa.
Filed November 27, 1925. Serial No. 223,888. PUBLISHED MARCH 2, 1926.

212,758. RADIO RECEIVING SETS. E. FLEMING & Co., Cambridge, Mass.
Filed November 24, 1925. Serial No. 223,778. PUBLISHED FEBRUARY 23, 1926.

212,759. MOTORS, TURNTABLES, TONE ARMS, REPRODUCERS AND PARTS THEREOF FOR PHONOGRAPHS. PARAGON PHONO PARTS MANUFACTURING CO. INC., Newark, N. J.
Filed November 19, 1925. Serial No. 223,542. PUBLISHED FEBRUARY 23, 1926.

212,760. RADIO RECEIVING SETS. CONAD ALLEN RADIO COMPANY, Garden City, Kans.
Filed November 19, 1925. Serial No. 223,503. PUBLISHED FEBRUARY 23, 1926.

212,761. OLIVE OIL. GIOVANNI DEL PRETE, Brooklyn, N. Y.
Filed November 16, 1925. Serial No. 223,374. PUBLISHED FEBRUARY 23, 1926.

212,762. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; SILVER DRESSER SETS, AND SILVER TABLEWARE. BEST & CO., INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,277. PUBLISHED FEBRUARY 23, 1926.

212,763. HOSIERY, SILK UNDERWEAR OF KNITTED AND TEXTILE FABRIC, AND LADIES' AND CHILDREN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. THE U-C-IT SILK HOSIERY CO., Marietta, Ga.
Filed November 6, 1925. Serial No. 222,965. PUBLISHED MARCH 2, 1926.

212,764. CHEESE. ROETHLISBERGER & SOHN, Berne, and Langnau, Switzerland.
Filed October 15, 1925. Serial No. 221,773. PUBLISHED FEBRUARY 16, 1926.

212,765. CANDY. GIPSY TRAIL CAMP AND COUNTRY CLUB, INC., New York, N. Y.
Filed April 18, 1925. Serial No. 212,919. PUBLISHED OCTOBER 13, 1925.

212,766. JUMPER SHIRTS, BLOUSE SHIRTS, DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, OVERALLS, PANTS, SWEATERS, PYJAMAS, NIGHT SHIRTS AND UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. LEVI STRAUSS & CO., San Francisco, Calif.
Filed March 18, 1925. Serial No. 211,216. PUBLISHED MARCH 2, 1926.

212,767. WHEAT BRAN. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 20, 1924. Serial No. 207,032. PUBLISHED FEBRUARY 16, 1926.

212,768. WATCHES, WATCHCASES, AND PARTS OF WATCHES. R. H. JONES & SONS, Birmingham, England.
Filed September 27, 1924. Serial No. 203,131. PUBLISHED FEBRUARY 23, 1926.

212,769. MEN'S COATS, VESTS, LONG PANTS, KNEE PANTS, HATS AND CAPS, OVERCOATS AND RAINCOATS, DRESS AND NEGLIGEE OUTER SHIRTS, TEXTILE UNDERSHIRTS AND DRAWERS, PYJAMA SHIRTS, AND PANTS; DRESSING GOWNS AND BATH ROBES, SWEATERS, STOCKINGS, AND SOCKS; LEATHER AND FABRIC SLIPPERS, SCARFS, CRAVATS, LEATHER AND KNITTED GLOVES; BATHING SHIRTS AND BATHING TRUNKS, BELTS AND SUSPENDERS. F. R. TRIPLER & CO., INC., New York, N. Y.
Filed November 18, 1925. Serial No. 223,489. PUBLISHED MARCH 2, 1926.

212,770. STOCK AND POULTRY FEED, PARTICULARLY POULTRY SCRATCH FEED. THE USIKO MILLING COMPANY, Cincinnati, Ohio.
Filed June 22, 1922. Serial No. 165,901. PUBLISHED FEBRUARY 23, 1926.

212,771. STOCK AND POULTRY FEED. THE CORNO MILLS COMPANY, St. Louis, Mo.
Filed August 23, 1923. Serial No. 184,895. PUBLISHED FEBRUARY 23, 1926.

212,772. PANCAKE FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 20, 1924. Serial No. 207,030. PUBLISHED FEBRUARY 16, 1926.

212,773. FLANNEL, WOOL, WORK, AND DRESS SHIRTS. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 13, 1924. Serial No. 192,212. PUBLISHED MARCH 2, 1926.

212,774. WORK, DRESS, NEGLIGEE, NIGHT, AND UNDER SHIRTS, PYJAMAS AND UNION SUITS, COLLARS, NECKTIES, WOVEN AND KNITTED HOSIERY, SWEATERS, MEN'S HATS AND CAPS, GARTERS, SUSPENDERS, GLOVES OF LEATHER, RUBBER, TEXTILE FABRICS AND COMBINATIONS THEREOF; MITTENS COMPOSED OF LEATHER, FABRICS, RUBBER AND COMBINATIONS THEREOF; SMOKING JACKETS, BATHROBES, SCARFS, FOOTBALL AND BASKETBALL UNIFORMS, GYMNASIUM SUITS, INCLUDING PANTS, SHIRTS, AND ACCESSORIES SUCH AS BELTS. THE HOWARD A. GEIGER COMPANY, Cleveland, Ohio.
Filed November 21, 1923. Serial No. 188,629. PUBLISHED MARCH 2, 1926.

212,775. DOUGHNUTS. EDWARD S. GOLDHILL, New York, N. Y.
Filed August 25, 1925. Serial No. 219,329. PUBLISHED FEBRUARY 23, 1926.

212,776. DRESSES. CARRIE A. HALL, Leavenworth, Kans.
Filed August 10, 1925. Serial No. 218,637. PUBLISHED MARCH 2, 1926.

212,777. CHILDREN'S WEARING APPAREL, AND PARTICULARLY CHILDREN'S COATS. MISSKY & LEWIS, New York, N. Y.
Filed July 27, 1925. Serial No. 217,947. PUBLISHED MARCH 2, 1926.

212,778. HOSIERY. MASSACHUSETTS KNITTING MILLS, Boston, Mass.
Filed May 4, 1925. Serial No. 213,794. PUBLISHED MARCH 2, 1926.

212,779. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,593. PUBLISHED MARCH 2, 1926.

212,780. HOSIERY. PECK & PECK, New York, N. Y.
Filed December 12, 1925. Serial No. 224,618. PUBLISHED MARCH 2, 1926.

212,781. WORK CLOTHING—NAMELY, WORK SHIRTS, WORK PANTS, OVERALLS, ONE-PIECE WORK SUITS, PLAY SUITS, AND KHAKI PANTS, JACKETS, AND COATS. WYMAN, PARTRIDGE & CO., Minneapolis, Minn.
Filed December 7, 1925. Serial No. 224,370. PUBLISHED MARCH 2, 1926.

212,782. HOSIERY. THEMM HOSIERY COMPANY, Los Angeles, Calif.
Filed October 21, 1925. Serial No. 222,095. PUBLISHED MARCH 2, 1926.

212,783. RADIO RECEIVING SETS AND COMPONENT PARTS THEREOF. MACHINE SPECIALTY COMPANY, Ann Arbor, Mich.
Filed December 24, 1925. Serial No. 225,127. PUBLISHED MARCH 2, 1926.

212,784. PREPARATION FOR THE PREVENTION AND TREATMENT OF VENEREAL DISEASES. GOODWIN LABORATORIES, INCORPORATED, Louisville, Ky.
Filed December 23, 1925. Serial No. 225,090. PUBLISHED MARCH 2, 1926.

212,785. MEDICINAL OIL FOR COLDS, CROUP, SORE THROAT, SWOLLEN TONSILS, HOARSENESS, SORENESS OF THE LUNGS AND CHEST. WILLIAM A. BAILEY, Portland, Oreg.
Filed December 10, 1925. Serial No. 224,493. PUBLISHED MARCH 2, 1926.

212,786. INSECTICIDES, DISINFECTANTS, AND DEODORANTS. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed December 4, 1925. Serial No. 224,258. PUBLISHED MARCH 2, 1926.

212,787. CHILDREN'S NAINSOOK UNDERWEAR. FLORALA MANUFACTURING CO., Florala, Ala.
Filed December 2, 1925. Serial No. 224,065. PUBLISHED MARCH 2, 1926.

212,788. GAUGES FOR STEAM BOILERS, TANKS, RESERVOIRS, AND OTHER LIQUID CONTAINERS. GEORGE ERNST, doing business as Ernst & Co., Newark, N. J.
Filed November 24, 1925. Serial No. 223,777. PUBLISHED MARCH 2, 1926.

212,789. JOINT-FILLING NIPPLES FOR SLEEVES OF ELECTRIC CABLE JOINTS. THE ENGINEERING PRODUCTS CORPORATION, INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,289. PUBLISHED MARCH 2, 1926.

212,790. NURSERY FURNITURE—NAMELY, CRIBS, COSTUMERS, WARDROBES, BASSINETTES, PLAY YARDS, HAMPERS, SANITARY RECEIVERS, NURSERY CHAIRS, TABLES AND CHAIRS FOR LITTLE CHILDREN, BABY WALKERS, DRESSING TABLES, NIGHT TABLES, PICTURE FRAMES, AND PILLOWS. BAER & CO., INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,278. PUBLISHED MARCH 2, 1926.

212,791. CERTAIN NAMED ARTICLES OF WEARING APPAREL. BAER & CO., INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,279. PUBLISHED MARCH 2, 1926.

212,792. WOVEN WIRE FENCING, SPIRAL WIRE PICKETS, CRIMPED WIRE PICKETS, WALK AND DRIVE GATES, ARCH ENTRANCES, TREE GUARDS, HITCHING POSTS, MUNICIPAL HITCH RAILS, TUBULAR FENCE POSTS, FLOWER-BED BORDERS, FARM GATES, VINE TRELLISES, WIRE PARTITION WORK, CONVEYOR BELTING, DOOR GUARDS, WROUGHT-IRON FENCING, WROUGHT-IRON GATES, AND FOLDING GATES. CYCLONE FENCE COMPANY, Waukegan, Ill.
Filed November 11, 1925. Serial No. 223,117. PUBLISHED MARCH 2, 1926.

212,793. ARTICLES MADE WHOLLY OR IN PART OF PRECIOUS METAL—NAMELY, COLLEGE AND SCHOOL JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; CLASS PINS AND FINGER RINGS; ADVERTISING NOVELTIES—NAMELY, ASH TRAYS, PAPER KNIVES, PAPER WEIGHTS, MATCH BOXES, PAD HOLDERS, MEDALLIONS, NAME PLATES, CUFF LINKS, WATCH FOBS, PENCILS, PAPER CLIPS AND PINS; BADGES, MEDALS, TROPHIES, SPOONS, AND SOUVENIR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. THE ROBBINS COMPANY, Attleboro, Mass.
Filed October 23, 1925. Serial No. 222,191. PUBLISHED MARCH 2, 1926.

212,794. ANTISKID CHAINS FOR AUTOMOBILES AND MUD HOOKS. UNIVERSAL SKID-LESS CHAIN COMPANY, Niles, Mich.
Filed October 14, 1925. Serial No. 221,724. PUBLISHED MARCH 2, 1926.

212,795. PILLOWS, FANCY CUSHIONS, CHAIR SEATS, AND AUTOMOBILE CUSHIONS. LOUIS I. KATZNER, doing business as Comfy Manufacturing Company, Baltimore, Md.
Filed October 2, 1925. Serial No. 221,119. PUBLISHED MARCH 2, 1926.

212,796. MAYONNAISE. OLIN R. TAYLOR, doing business as Taylor Products Co., Phoenix, Ariz.
Filed September 24, 1925. Serial No. 220,746. PUBLISHED JANUARY 26, 1926.

212,797. KNITTED AND TEXTILE UNDERWEAR. GUSTAV J. REQUARDT, Baltimore, Md.
Filed August 30, 1924. Serial No. 202,079. PUBLISHED MARCH 2, 1926.

212,798. EGGS AND COFFEE. THE A. B. C. STORES, INCORPORATED, Houston, Galveston, and Beaumont, Tex.
Filed October 13, 1924. Serial No. 203,774. PUBLISHED MARCH 2, 1926.

212,799. RADIO CABINETS, CASINGS, CONTAINERS, TABLES AND SUPPORTS. CHARLES S. BEARDSLEY, doing business as Anglvox Radio Corporation, East Cleveland, Ohio.
Filed August 26, 1925. Serial No. 219,368. PUBLISHED MARCH 2, 1926.

212,800. METAL FENCE POSTS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y. and Worcester, Mass.
Filed April 27, 1925. Serial No. 213,352. PUBLISHED MARCH 2, 1926

212,801. FILING CABINETS, FOLLOWERS AND BASES THEREFOR; BOOKCASES, CUPBOARDS, STANDS, DESKS, HOUSEHOLD OR OFFICE TABLES AND CHAIRS. LIBRARY BUREAU, Cambridge, Mass.
Filed March 26, 1925. Serial No. 211,668. PUBLISHED MARCH 2, 1926.

212,802. A SALVE FOR THE TREATMENT OF CROUP, COLD IN CHEST, SORE THROAT, PNEUMONIA, AND KINDRED AILMENTS, AND LIQUID EMULSION FOR BRONCHITIS, CROUP, COUGHS, AND SPASMODIC ASTHMA. MARTIN EUGENE SUTHERLAND, doing business as M. E. Sutherland Medicine Co., Paducah, Ky.
Filed February 13, 1925. Serial No. 209,552. PUBLISHED FEBRUARY 23, 1926.

212,803. CASTOR-OIL EMULSION. F. JOHN FELDHAHN, doing business as Kasto-Mul Company, Independence, Mo.
Filed January 21, 1926. Serial No. 226,189. PUBLISHED MARCH 2, 1926.

212,804. REDUCING POWDER. PAUL M. FOX, Chicago, Ill.
Filed January 21, 1926. Serial No. 226,191. PUBLISHED MARCH 2, 1926.

212,805. HEALING CREAM FOR BURNS, SCALDS, INFLAMMATION, CHAPPED HANDS, SORES, ETC. MERWIN H. WILLIAMS, New Britain, Conn.
Filed January 22, 1926. Serial No. 226,268. PUBLISHED MARCH 2, 1926.

212,806. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDER, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, SACHETS, AND INCENSE. MATÉ, INC., Philadelphia, Pa.
Filed January 23, 1926. Serial No. 226,296. PUBLISHED MARCH 2, 1926.

212,807. EFFERVESCENT SALT FOR THE TREATMENT OF NUTRITIONAL DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 23, 1926. Serial No. 226,314. PUBLISHED MARCH 2, 1926.

212,808. RADIOTUBES. SYLVANIA PRODUCTS COMPANY, Emporium, Pa.
Filed December 28, 1925. Serial No. 225,247. PUBLISHED MARCH 2, 1926.

212,809. PREPARATIONS FOR COUGHS, COLDS, BRONCHITIS, AND AFFECTIONS OF THE RESPIRATORY ORGANS. NELSON G. DIENER, Baltimore, Md.
Filed December 29, 1925. Serial No. 225,255. PUBLISHED MARCH 2, 1926.

212,810. MOTH PREVENTIVE. VALONE MANEKE, Waukegan, Ill.
Filed January 8, 1926. Serial No. 225,668. PUBLISHED MARCH 2, 1926.

212,811. BATH SALTS. DARLING PRODUCTS, INC., Troy, N. Y.
Filed January 18, 1926. Serial No. 226,048. PUBLISHED MARCH 2, 1926.

212,812. MEDICINAL TABLETS FOR THE TREATMENT OF HEADACHES, NEURALGIA, COLDS, GRIPPE, SORE THROAT, TOOTHACHE, EARACHE, RHEUMATISM, LUMBAGO, SCIATICA, AND THE LIKE. SCIENTIFIC PRODUCTS, INC., Wilmington, Del., and Chicago, Ill.
Filed January 18, 1926. Serial No. 226,081. PUBLISHED MARCH 2, 1926.

212,813. TONIC AND INTESTINAL ELIMINANT. L. A. HOPKINS MEDICINE CO., Atlanta, Ga.
Filed January 19, 1926. Serial No. 226,103. PUBLISHED MARCH 2, 1926.

212,814. ANTISEPTIC IN TABLET FORM. LE FRANC LABORATORIES, INC., New York, N. Y.
Filed January 19, 1926. Serial No. 226,105. PUBLISHED MARCH 2, 1926.

212,815. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, EYEBROW PENCILS, LIP STICKS, LIP POMADE, AND SACHETS. MEYER KOMINSKY, doing business as Reyem Cie., New York, N. Y.
Filed January 20, 1926. Serial No. 226,150. PUBLISHED MARCH 2, 1926.

212,816. LIVER RENOVATORS. FLORIN JOSEPH SCHMIDT, Palm Beach, Fla.
Filed January 20, 1926. Serial No. 226,168. PUBLISHED MARCH 2, 1926.

212,817. MEN'S PANTS, SUITS, AND OVERCOATS. LA LATIN & COMPANY, Wisconsin Rapids, Wis.
Filed December 29, 1925. Serial No. 225,266. PUBLISHED MARCH 2, 1926.

212,818. WOMEN'S AND MISSES' DRESSES. THE LINDNER CO'Y, Cleveland, Ohio.
Filed December 24, 1925. Serial No. 225,123. PUBLISHED MARCH 2, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

212,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I. Filed May 5, 1925. Serial No. 213,826.

PEARL SHEEN

Particular description of goods.—All-Worsted Dress Fabrics.
Claims use since Apr. 1, 1925.

212,820. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. K. TROUT CO., INC., New York, N. Y. Filed Mar. 7, 1925. Serial No. 210,694.

KLING KLIP

Particular description of goods.—Supports for Brushes with a Metallic Member Supported upon a Rubber Base.
Claims use since Dec. 29, 1924.

212,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH ADDISON GAGE, doing business as Thrift Packing Company, Dallas, Tex. Filed Feb. 11, 1925. Serial No. 209,898.

DELGADO'S

Particular description of goods.—Chile Con Carne, Tamales; Blackberry, Fig, Peach, Plum, and Raspberry Preserves; Apple Pectin, Blackberry Pectin, Grape and Pectin, Plum and Pectin, Raspberry Pectin, and Strawberry Pectin Jelly; Piccalilli, Onion Relish, Tomato Catchup, Chowchow, Chili Sauce, Worcestershire Sauce, Pickles, Peanut Butter, Mincemeat, Maple and Cane Sirup for Table Use, Vanilla and Lemon Extracts; Chili Powder, Paprika, Celery Salt, Onion Salt, Garlic Salt, and Curry Powder for Food Flavorings.
Claims use since 1921.

212,822. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LIBERTY FABRICS CORPORATION, Brooklyn, N. Y. Filed June 1, 1925. Serial No. 215,158.

JerziCrepe

Particular description of goods.—Knitted and Textile Fabrics of All Wool, of Silk, or of Cotton, or Combinations of the Same.
Claims use since Apr. 3, 1925.

212,823. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ISIDOR TANNENBAUM, doing business as I. Tannenbaum Co., New York, N. Y. Filed May 8, 1925. Serial No. 214,035.

"ELSMERE"

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since Mar. 26, 1925.

212,824. (CLASS 25. LOCKS AND SAFES.) READING HARDWARE COMPANY, Reading, Pa. Filed Mar. 24, 1926. Serial No. 229,129.

READING

Particular description of goods.—Locks, Lock Cylinders, Latches, and Catches.
Claims use since Jan. 10, 1925.

212,825. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) E. H. HORWOOD & CO., Hoboken, N. J., and New York, N. Y. Filed Mar. 6, 1926. Serial No. 228,244.

"THE SHAPELY"

Particular description of goods.—Ladies' Safety Belts and Sanitary Belts.
Claims use since about 1913.

212,826. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Feb. 12, 1926. Serial No. 227,253.

TIMKEN

Particular description of goods.—Brakes, Braking Systems, and Parts Thereof for Motor Vehicles.
Claims use since 1903.

212,827. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ZIV STEEL AND WIRE COMPANY, Chicago, Ill. Filed July 13, 1925. Serial No. 217,317.

ZIV'S

Particular description of goods.—Drill Steel.
Claims use since Mar. 27, 1925.

212,828. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Feb. 11, 1926. Serial No. 227,198.

BRUNSWICK

Particular description of goods.—Sewing Machines.
Claims use since Sept. 18, 1909.

212,829. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Feb. 11, 1926. Serial No. 227,197.

DAMASCUS

Particular description of goods.—Sewing Machines.
Claims use since Sept. 12, 1904.

212,830. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SANITARY SCALE COMPANY, Chicago, Ill. Filed Feb. 10, 1926. Serial No. 227,140.

SANITARY

Particular description of goods.—Weighing Scales.
Claims use since Apr. 30, 1922.

212,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHEEK-NEAL COFFEE CO., Nashville, Tenn. Filed Feb. 6, 1926. Serial No. 226,944.

MAXWELL HOUSE

"GOOD TO THE LAST DROP"

Particular description of goods.—Tea and Coffee.
Claims use since Jan. 1, 1915.

212,832. (CLASS 38. PRINTS AND PUBLICATIONS.) BACHRACH, INCORPORATED, Newton, Mass., Boston, Mass., Providence, R. I., Hartford, Conn., etc. Filed Feb. 6, 1926. Serial No. 226,933.

Photographs of Distinction

Particular description of goods.—Photographs.
Claims use since 1909.

212,833. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RITTER DENTAL MFG. CO., INC., Rochester, N. Y. Filed Jan. 11, 1926. Serial No. 225,802.

Ritter

Particular description of goods.—Dental Appliances Comprising Chairs, Engines, Equipment Assemblies, Special Cuspidors Forming a Part of Unitary Dental Assemblies, X-Ray Machines, Air Compressors, Laboratory Lathes, and Ionization Equipment.
Claims use since 1919.

212,834. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GUARANTEED AUTO PARTS CO., Memphis, Tenn. Filed Dec. 30, 1925. Serial No. 225,304.

GUARANTEED AUTO PARTS CO.

MEMPHIS, TENN. || JACKSON, TENN.

"We've Got Everything"

Particular description of goods.—Constructive Parts of Automobiles.
Claims use since Sept. 1, 1921.

212,835. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHWERIN ELECTRICAL APPLIANCE CORP., San Francisco, Calif. Filed Feb. 11, 1925. Serial No. 209,433.

SCHWERIN

Particular description of goods.—Glass Switch Plates.
Claims use for not less than one year.

212,836. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CLAUDE A. HERMAN, doing business as Old Colony Iron Works, Bridgeport, Conn. Filed Feb. 20, 1925. Serial No. 209,918.

"THE COLONIAL"

Particular description of goods.—Table Lamps and Bridge Lamps, Each of Which Comprises a Base or Stand Adapted for Electrical Use.
Claims use since Dec. 15, 1924.

212,837. (CLASS 39. CLOTHING.) MORRIS & COMPANY, INCORPORATED, Baltimore, Md. Filed Mar. 5, 1926. Serial No. 228,199.

COMFORT CROTCH

Particular description of goods.—Men's Union Suits Made of Textile Fabrics.
Claims use since 1914.

212,838. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DURKEE, THOMAS PRODUCTS CO., San Francisco, Calif. Filed Mar. 10, 1926. Serial No. 228,412.

NEW YORK

Particular description of goods.—Storage Batteries.
Claims use since December, 1923.

212,839. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ILLINOIS SPECIALTY CO., Tuscola, Ill. Filed Mar. 12, 1926. Serial No. 228,543.

PERFECTION

Particular description of goods.—Ironing Boards.
Claims use since January, 1909.

212,840. (CLASS 39. CLOTHING.) SMITH & SMITH, New York, N. Y. Filed Mar. 18, 1926. Serial No. 228,836.

Smith & Smith

Particular description of goods.—Ties, Dress and Negligee Shirts, Scarfs, Bath Robes, Dressing Gowns, Collars, Knitted and Textile Underwear.
Claims use since Feb. 1, 1924.

212,841. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BEAD CHAIN MANUFACTURING COMPANY, Bridgeport, Conn. Filed Jan. 7, 1925. Serial No. 207,777.

BEAD CHAIN

Particular description of goods.—Electric Socket Pulls.
Claims use since July 1, 1914.

212,842. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HENRY STADLMAIR CO. INC., New York, N. Y. Filed Jan. 22, 1925. Serial No. 208,491.

PAUL DUPRE
PARIS
FRANCE
CONSERVATOIRE

Particular description of goods.—Brass Band Instruments Comprising Cornets, Trumpets, Altos, Tenors, Baritones, Bb Basses, Eb Bases, Helicons, Sousaphones, Saxophones; Also Wood-Wind Instruments Comprising Clarinets, Musettes, Hautbois, Cor Anglais (English Horn), Flutes, and Piccolos.
Claims use since June, 1924.

212,843. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BRISTOL SEAMLESS RING COMPANY, New York, N. Y. Filed Jan. 11, 1926. Serial No. 225,763.

BRISTOL SEAMLESS RING CO.

Particular description of goods.—Finger Rings.
Claims use since March, 1923.

212,844. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) VOGEL BROTHERS COMPANY, INC., New York, N. Y. Filed Jan. 5, 1926. Serial No. 225,532.

THE "VOGUE"

Particular description of goods.—Collar Buttons, Cuff Links; Watch, Neck, and Belt Chains; Pins, Collar Pins, Belt Buckles, Watch Fobs, Table and Pocket Knives, Flasks, Identifying Pins of Several Benevolent Orders, Lingerie Clasps, Earrings, Scarf Pins, Finger and Napkin Rings, Bracelets, Initialed Belts, and Dress Studs, All Made of or Plated with Precious Metal, Wholly or in Part.
Claims use since January, 1905.

212,845. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IRVING GEORGE SCOTT, New York, N. Y. Filed Jan. 4, 1926. Serial No. 225,491.

LAMPCLOX

Particular description of goods.—Electric Lamps Adapted for Combination with Clocks.
Claims use for not less than one year.

212,846. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ILLINOIS WATCH CASE COMPANY, Elgin, Ill. Filed Nov. 23, 1925. Serial No. 223,727.

GIFFORD

Particular description of goods.—Watch Movements and Watchcases.
Claims use since Mar. 12, 1925.

212,847. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EISEMANN MAGNETO CORPORATION, New York, N. Y. Filed Aug. 5, 1925. Serial No. 218,401.

EISEMANN

Particular description of goods.—Magnetos, Coils, Combination Magneto and Generator, Electrical Impulse Starters and Parts Thereof and Connections Therefor; Radio Receiving and Transmitting Apparatus—Namely, Head Phones, Vacuum-Tube Sockets, Audio-Frequency Amplifying Transformers, Metal Panels for Individual Construction of Receiving Sets, and Complete Radio Sets; and Electrical Speed-Regulating Devices for Engines.
Claims use for not less than one year.

212,848. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,136.

KAUFMANN'S "THE BIG STORE"

Particular description of goods.—Men's Shoes of Fur and Cloth, Men's Socks, Men's Knitted and Textile Underwear, Men's Suits, Men's Overcoats, Men's Hats, Men's Ties, Men's Collars, Men's Work and Dress Shirts, Men's Scarfs, Men's Bath Robes, and Men's Pyjamas; Boys' Suits, Boys' Overcoats, Boys' Shoes, Boys' Stockings, Boys' Hats, Boys' Blouses, Boys' Caps, Boys' Collars, Boys' Ties; Men's and Boys' Leather and Fabric Gloves, and Boys' Knitted and Textile Underwear; Ladies' Coats, Ladies' Suits, Ladies' Skirts, Ladies' Gowns, Ladies' Dresses, Ladies' House Dresses, Ladies' Hats, Ladies' Corsets, Ladies' Shoes, Ladies' Stockings, Ladies' Leather and Aprons, Ladies' Brassières, Ladies' Negligees, Ladies' Fabric Gloves, Ladies' Knitted and Textile Underwear, Ladies' Waists; Ladies' Collars, Ties, Scarfs, Jabots; Ladies' Furs Including Coats, Scarfs, and Muffs; Ladies' Belts, Ladies' Trimmings, Ladies' Petticoats, Ladies' Aprons,, Ladies' Brassières, Ladies' Negligees, Ladies' Kimonos, Ladies' Bath Robes, Ladies' Pyjamas, and Ladies' Nightgowns; Girls' Coats, Girls' Dresses, Girls' Shoes, Girls' Stockings, Girls' Leather and Fabric Gloves, Girls' Knitted and Textile Underwear, and Girls' Hats; Play and Masquerade Costumes, Baseball Uniforms, Sport Shoes, Football and Basket-ball Shoes, Sweaters for Golf, Golf Hose, Basket-Ball and Football Uniforms, Hunting Coats, Hunting Trousers, Hunting Shirts, Hunting Boots and Shoes, Hunting Hats and Caps, Bathing Suits, and Golf Knickers.
Claims use since about July 1, 1913.

212,849. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARCLESS CONTACT COMPANY, Chicago, Ill. Filed Feb. 11, 1925. Serial No. 209,375.

ARCLESS

Particular description of goods.—Mercury Switches.
Claims use since about June 1, 1924.

212,850. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,142.

KAUFMANN'S "THE BIG STORE"

Particular description of goods.—Camp Stoves.
Claims use since about July, 1913.

212,851. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed Feb. 12, 1926. Serial No. 227,212.

BOSCH

Particular description of goods.—Radio Apparatus Comprising Radio Receiving Sets, Loud Speakers, Alternating-Current Rectifiers and Electrical Filters for Battery Eliminators, Audiofrequency Transformers, Assembled Amplifier Units, Radiocoils, and Radiocondensers and Parts Thereof.
Claims use since Jan. 22, 1925.

212,852. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MURDOCK & GEB CO., Franklin, Mass. Filed Feb. 15, 1926. Serial No. 227,320.

MURDOCK

Particular description of goods.—Bobbin Holders.
Claims use since January, 1906.

212,853. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Feb. 16, 1926. Serial No. 227,353.

TRUTONE

Particular description of goods.—Mouth Organs or Harmonicas, Accordions, and Pitch Pipes.
Claims use since November, 1921.

212,854. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926. Serial No. 227,798.

Old Dominion

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Oct. 21, 1924.

212,855. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 4, 1926. Serial No. 228,141.

Gordon

Particular description of goods.—Tenor Banjos, and Band Instruments—Namely, Trumpets, Trombones, Cornets, Saxophones, Basses, and Baritones.
Claims use since June, 1924.

212,856. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y. Filed Feb. 24, 1925. Serial No. 210,048.

DUBILIER CONDENSER & RADIO CORPORATION

Particular description of goods.—Variable Electrical Condensers, Radiofrequency Transformers, Crystal Detectors and Rectifiers, Fixed Electrical Condensers (Condensers of Constant Capacity), Constant Grid-Leak Resistances, Variable Grid-Leak Resistances, Connecting Condenser Plugs for Radio Receiving Sets, Filters, and Combined Filters and Rectifiers for Enabling Current Supplied by Lighting and Power Circuits to be Adapted for Use in Radio Apparatus by Removing Fluctuations from Said Currents.
Claims use since Apr. 26, 1922.

212,857. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SPARKS-WITHINGTON COMPANY, Jackson, Mich. Filed Mar. 3, 1925. Serial No. 210,508.

HARFORD

Particular description of goods.—Electrical Automobile Horns.
Claims use since Jan. 1, 1925.

212,858. (CLASS 39. CLOTHING.) THE OBERNDORFER COMPANY, doing business as R. E. Branch & Co., Milwaukee, Wis. Filed May 21, 1925. Serial No. 214,676.

KLEEN-KUFF

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Mar. 21, 1925.

212,859. (CLASS 39. CLOTHING.) LIBERTY FABRICS CORPORATION, Brooklyn, N. Y. Filed June 1, 1925. Serial No. 215,159.

JerziCrepe

Particular description of goods.—Knitted and Textile Underwear in One, Two, and Three Piece Garments and Petticoats.
Claims use since Apr. 3, 1925.

212,860. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) UNTERMEYER, ROBBINS & Co., New York, N. Y. Filed Oct. 26, 1922. Serial No. 171,238

MARRIAGE VOW

Particular description of goods.—Wedding Rings.
Claims use since about Oct. 1, 1922.

212,861. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. KURTZMANN & Co., Buffalo, N. Y. Filed Feb. 8, 1926. Serial No. 227,023.

KURTZMANN

Particular description of goods.—Grand Reproducing Pianos.
Claims use since November, 1924.

212,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILIP PORTER, Nashua, N. H. Filed Feb. 5, 1926. Serial No. 226,913.

ELEGANT

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Evaporated Milk, Canned Fish, and Canned Shellfish.
Claims use since 1921.

212,863. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ILLINOIS WATCH CASE Co., Elgin, Ill. Filed Jan. 18, 1926. Serial No. 226,058.

TIVOLI

Particular description of goods.—Watch Movements and Watchcases.
Claims use since Feb. 16, 1922.

212,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHNSON PHARMACY, Fort Worth, Tex. Filed Dec. 7, 1925. Serial No. 224,335.

Johnson's Digestive Tonic

Particular description of goods.—Tonic for Indigestion.
Claims use since July 1, 1920.

212,865. (CLASS 12. CONSTRUCTION MATERIALS.) E. A. HOWARD, doing business as E. A. Howard & Company, San Francisco, Calif. Filed Oct. 1, 1925. Serial No. 221,065.

Interlock

Particular description of goods.—Hardwood Flooring.
Claims use since on or about Mar. 1, 1925.

TRADE-MARK REGISTRATIONS RENEWED

28,419. HYDRAULIC HOSE. Registered June 23, 1896. BENJAMIN L. STOWE, Jersey City, N. J. Renewed June 23, 1926, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

51,180. ANTIMALARIAL TONICS. Registered April 3, 1906. WINTERSMITH MEDICINE CO. Renewed April 3, 1926, to Wintersmith Chemical Company, Louisville, Ky., a Corporation of Kentucky, assignee.

51,708. COTTON RUBBER-LINED HOSE. Registered April 24, 1906. EUREKA FIRE HOSE CO., Jersey City, N. J. Renewed April 24, 1926, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

51,886. COTTON RUBBER-LINED HOSE. Registered April 24, 1906. EUREKA FIRE HOSE CO., Jersey City, N. J. Renewed April 24, 1926, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,167. FABRIC HOSE. Registered May 29, 1906. EUREKA FIRE HOSE COMPANY, Jersey City, N. J. Renewed May 29, 1926, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,168. FABRIC HOSE. Registered May 29, 1906. EUREKA FIRE HOSE COMPANY, Jersey City, N. J. Renewed May 29, 1926, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

53,242. MEDICINE FOR CERTAIN NAMED DISEASES. Registered May 29, 1906. CEPHALGINE COMPANY. Renewed May 29, 1926, to Frederick W. Boulton, Spencer, Mass., assignee.

53,715. LUBRICATING OILS. Registered June 12, 1906. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Renewed June 12, 1926, to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania.

54,087. A MEDICAMENT. Registered June 19, 1906. VEREINIGTE CHININFABRIKEN ZIMMER & Co. GES. MIT BESCHRÄNKTER HAFTUNG, Frankfort-on-the-Main, Germany. Renewed June 19, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,088. DERIVATIVES OF CINCHONA ALKALOIDS. Registered June 19, 1906. VEREINIGTE CHININFABRIKEN ZIMMER & Co. GES. MIT BESCHRÄNKTER HAFTUNG, Frankfort-on-the-Main, Germany. Renewed June 19, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,266. NONALCOHOLIC SOLUTIONS OF IRON-MANGANESE PEPTONE. Registered June 26, 1906. CHEMISCHE FABRIK HELFENBERG, A. G. VORM. DIETERICH, Helfenberg, Germany. Renewed June 26, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,661. STEEL IN BARS, PLATES, RODS, AND WIRE. Registered June 26, 1906. HOBSON HOUGHTON & Co. LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 26, 1926.

54,717. ANTIFRICTION METALS OR ALLOYS. Registered June 26, 1906. MAGNOLIA METAL COMPANY, New York, N. Y., a Corporation of West Virginia. Renewed June 26, 1926.

54,765. STEEL AND IRON IN BAR, ROD, RAIL, SHEET, AND WIRE. Registered June 26, 1906. SERBOHM & DIECKSTAHL LD. Renewed June 26, 1926, to Arthur Balfour & Co. Limited, Sheffield, England, a Corporation of Great Britain, assignee.

54,933. FRESH FRUITS AND VEGETABLES. Registered August 7, 1906. CHARLES & Co. Renewed August 7, 1926, to Charles & Co., New York, N. Y., a Corporation of New York, assignee.

54,995. A SERUM. Registered August 7, 1906. E. MERCK, Darmstadt, Germany. Renewed August 7, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,078. RAZORS, KNIVES, AND FORKS. Registered August 7, 1906. THOS. R. CADMAN & SONS. Renewed August 7, 1926, to Thos. R. Cadman & Sons, Limited, Sheffield, England, a Corporation of Great Britain, successor.

55,106. CAST STEEL, EXCEPT STEEL BALLS. Registered August 7, 1906. W. T. BEESLEY & Co. LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,157. CIGAR CLIPPINGS. Registered August 7, 1906. CHARLES HENRY LAWRENCE, El Paso, Tex. Renewed August 7, 1926.

55,386. SILVER AND PLATED WARE. Registered August 14, 1906. WILLIAM HUTTON AND SONS, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed August 14, 1926.

55,468. LUBRICATING GRAPHITE. Registered August 14, 1906. THE UNITED STATES GRAPHITE Co., Saginaw, Mich., a Corporation of Michigan. Renewed August 14, 1926.

55,635. CREOSOTE AND GUAIACOL. Registered August 21, 1906. HARTMANN & HAUERS, Hanover, Germany. Renewed August 21, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,744. ANÆSTHETICS. Registered August 21, 1906. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-the-Main, Germany. Renewed August 21, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,759. PREPARATIONS OF SODIUM THEOBROMATE AND SODIUM SALICYLATE. Registered August 21, 1906. KNOLL & Co., Ludwigshafen-on-the-Rhine, Germany. Renewed August 21, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,811. A CHEMICAL PREPARATION TO CLEAR RAIN WATER. Registered August 21, 1906. CRATES & BOWEN. Renewed August 21, 1926, to The Old Settler Company, Findlay, Ohio, a Corporation of Ohio, successor.

55,866. SEWING MACHINES, PARTS AND ATTACHMENTS. Registered August 21, 1906. WHEELER & WILSON MANUFACTURING COMPANY, Bridgeport, Conn. Renewed August 21, 1926, to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey, assignee.

55,938. WHEAT FLOUR. Registered August 21, 1906. THE BURRUS MILL AND ELEVATOR Co., Fort Worth, Tex. Renewed August 21, 1926.

55,999. ALL KINDS OF SEWING MACHINES AND THEIR PARTS AND ATTACHMENTS. Registered August 21, 1906. WHEELER & WILSON MANUFACTURING COMPANY, Bridgeport, Conn. Renewed August 21, 1926, to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey, assignee.

56,109. SEWING MACHINES, THEIR PARTS AND ATTACHMENTS. Registered August 21, 1906. Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Renewed August 21, 1926, to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey, assignee.

56,169. CLOCKS, CLOCK CASES, CLOCK MOVEMENTS, AND PARTS THEREOF. Registered August 28, 1906. HAMBURG-AMERIKANISCHE UHRENFABRIK, Schramberg, Germany. Renewed August 28, 1926.

56,329. MIRROR PLATES. Registered September 11, 1906. SEMON BACHE & COMPANY, New York, N. Y., a Corporation of New York. Renewed September 11, 1926.

56,411. LEATHER BOOTS AND SHOES. Registered September 25, 1906. THE EVANS SHOE Co., East Napa, Calif. Renewed September 25, 1926, to Nap-A-Tan Shoe Co., San Francisco, Calif., a Corporation of California, assignee.

LABELS

REGISTERED MAY 11, 1926.

30,304.—*Title:* MAB. For Household Cleaner. AMERICAN HEALTH PRODUCTS Co., Los Angeles, Calif. Published November 1, 1925.

30,305.—*Title:* AFCO HOPS. For Hops. ATLANTIC FOOD PRODUCTS CORP., Philadelphia, Pa. Published February 15, 1926.

30,306.—*Title:* X-L DIGESTIVE TABLETS. For a Stomach Remedy. HOMER P. BOYCE, Tampa, Fla. Published November 10, 1925.

30,307.—*Title:* X-L GAS TABLETS. For a Stomach Remedy. HOMER P. BOYCE, Tampa, Fla. Published November 10, 1925.

30,308.—*Title:* DI-COL-Q. For a Medicinal Preparation. LAURENCE E. CASH, doing business as New York Drug Concern, New York, N. Y. Published February 6, 1926.

30,309.—*Title:* SCIENTEX FLY SPRAY. For Insecticide. CHRISTIAN PEPER TOBACCO COMPANY, doing business as The C. P. Thorme Laboratories, St. Louis, Mo. Published April 10, 1926.

30,310.—*Title:* ESCOLITE. For a Patented Washing Compound. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Published April 8, 1926.

30,311.—*Title:* TRYME. For Flavoring Extracts. DAVIS MANUFACTURING COMPANY, Knoxville, Tenn. Published February 1, 1915.

30,312.—*Title:* RED ARROW. For Malt Sirup. FRANK S. DELP, doing business as Red Arrow Malt Extract Company, Pittsburgh, Pa. Published December 23, 1925.

30,313.—*Title:* BIRCH BARK. For Dandruff Remover and Hair Tonic. MATT DZIADULEWICZ, doing business as Buko Company, Chicago, Ill. Published September 15, 1925.

30,314.—*Title:* EASTMAN'S FRENCH SALAD DRESSING. For a Liquid Salad Dressing. ANNA C. EASTMAN, doing business as Eastman, Cincinnati, Ohio. Published February 26, 1926.

30,315.—*Title:* GOSLING. For Oranges. EDISON CITRUS ASSOCIATION, Edison, Calif. Published December 15, 1925.

30,316.—*Title:* SNOWBALL. For Candy. THE ELITE CANDY MFG. CO., Spartanburg, S. C. Published February 1, 1926.

30,317.—*Title:* BY GEORGE TRY ME. For Candy. THE ELITE CANDY MFG. CO., Spartanburg, S. C. Published February 1, 1926.

30,318.—*Title:* HUB CITY BAR. For Candy. THE ELITE CANDY MFG. CO., Spartanburg, S. C. Published February 1, 1926.

30,319.—*Title:* FIRST PLACE. For Grapes. PETE FERRARIS, Los Angeles, Calif. Published December 27, 1925.

30,320.—*Title:* FRANTZ INDEPENDENCE. For Marshmallows. FRANTZ CANDIES, INC., Lancaster, Pa. Published March 25, 1926.

30,321.—*Title:* CHARM. For Oranges. SALVATORE E. FUSCO, doing business as S. E. Fusco Fruit Co., Los Angeles, Calif. Published November 1, 1925.

30,322.—*Title:* SUE-PREME. For Fresh Tomatoes. GOLDEN WEST SHIPPERS INC., Oxnard, Calif. Published December 31, 1925.

30,323.—*Title:* HANDY CRAFT—THE MODERN TOY FOR THE MODERN BOY. For Mechanical-Toy-Construction Units. THE HART & COOLEY COMPANY, New Britain, Conn. Published February 1, 1926.

30,324.—*Title:* ROYAL HAWAIIAN GLACÉ PINEAPPLE. For Glacé Pineapple. HONOLULU DAIRYMEN'S ASSOCIATION, LTD., doing business as Mid-Pacific Candy Factory, Honolulu, Territory of Hawaii. Published December 31, 1925

30,325.—*Title:* IVINS. For Cookies. J. S. IVINS' SON, INC., Philadelphia, Pa. Published January 2, 1926.

30,326.—*Title:* ENDLESS-LIFE. For Bakery Foods. GEORGE F. JEFFERSON, Cincinnati, Ohio. Published January 28, 1926.

30,327.—*Title:* PROTEIN S. M. A. (ACIDULATED). For a Food Product for Infants. THE LABORATORY PRODUCTS COMPANY, Cleveland, Ohio. Published January 14, 1926.

30,328.—*Title:* CATO. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to I. Cohen & Sons, Brooklyn, N. Y. Published March 6, 1926.

30,329.—*Title:* NAMCO. For Canned Crab. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published December 31, 1925.

30,330.—*Title:* IZUMI. For Canned Crab. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published December 31, 1925.

30,331.—*Title:* BLOODO. For a Chemical. PUGET SOUND CHEMICAL COMPANY, Bellingham, Wash. Published March 1, 1926.

30,332.—*Title:* DR. SCHOLL'S RE-FORM ARCH SUPPORT. For Arch Supports and Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 10, 1916.

30,333.—*Title:* DR. SCHOLL'S TRU-SPAN ARCH SUPPORT. For Arch Supports and Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 3, 1916.

30,334.—*Title:* TANJORA. For Oranges. JOSEPH B. SER, doing business as The Tanjora Company, New York, N. Y. Published March 16, 1926.

30,335.—*Title:* MRS. WATSON'S PIE CRUST. For Prepared Pie-Crust Flour. MRS. EMILY WATSON, INC., Fort Plain, N. Y. Published May 12, 1925.

30,336.—*Title:* MRS. WATSON'S PIE CRUST DOUGH. For Prepared Pie-Crust Flour. MRS. EMILY WATSON, INC., Fort Plain, N. Y. Published January 16, 1926.

30,337.—*Title:* TRAFFIC. For a Card Game. FRANK WENZEL, Albany, N. Y. Published December 15, 1925.

30,338.—*Title:* CAIN'S BETTER SPICES. For Spices. WESTERN COFFEE & TEA CO., Oklahoma City, Okla. Published November 25, 1925.

PRINTS

REGISTERED MAY 11, 1926.

8,768.—*Title:* COMFORT INSURANCE REQUIRES NO PREMIUM. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 14, 1920.

8,764.—*Title:* A GOOD START IS HALF THE JOURNEY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 3, 1926.

8,765.—*Title:* AN IDEAL BASIS IN CEREAL FEEDING. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 20, 1926.

8,766.—*Title:* PINGO SHINE STOVWAX. For Stove Polish. JOSIAH H. CROCKER, doing business as Pingo Company, Boston, Mass. Published February 4, 1926.

8,767. *Title:* 'IT'S MINE!—BUT THE WHOLE FAMILY USES IT!' For Talcum Powders for Nursery and Toilet Use. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Published March 16, 1926.

8,768.—*Title:* THE TWO BIG PROFIT MAKERS ON THE FARM. For Cream Separators and Milkers. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Published November 13, 1925.

8,769.—*Title:* DELLAROWE'S MERCUROCHROME. For Tooth Paste. ANTHONY K. DELLAROWE, doing business as Dellarowe Laboratories, Los Anegeles, Calif. Published March 15, 1926.

8,770.—*Title:* NEW FAVORITE OF THE 19TH HOLE. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published April 3, 1926.

8,771.—*Title:* EDEN. For Toilet Articles. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc., St. Paul, Minn. Published January 3, 1926.

8,772.—*Title:* CREDIT MINUS RED TAPE. For Clocks, Diamonds, Rings, and Watches. J. G. LASKEY, New York, N. Y. Published January 4, 1926.

8,773.—*Title:* LEWIS PURE HARD CANDIES. For Candies. EDGAR P. LEWIS & SONS, INC., Boston, Mass. Published April 17, 1926.

8,774.—*Title:* MAID O'CLOVER DAIRY PRODUCTS. For Dairy Products. MUTUAL CREAMERY COMPANY, Los Angeles, Calif. Published November 21, 1925.

8,775.—*Title:* MAKE YOUR SLIP-COVERS OF ORINOKA. For Draperies and Upholsteries. THE ORINOKA MILLS, New York, N. Y. Published April 1, 1926.

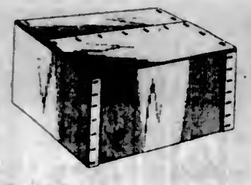
8,776.—*Title:* WESTERN WONDER. For Cottonseed. SUMMEROUR & SON, Vernon, Tex. Published February 19, 1926.

8,777.—*Title:* GYPSOLITE WALLBOARD. For Wall Board. UNIVERSAL GYPSUM COMPANY, Chicago, Ill. Published January 15, 1926.

REISSUES

MAY 11, 1926.

16,347. METHOD OF SEALING FIBER SHIPPING CASES. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Jan. 12, 1925. Serial No. 2,029. Original No. 1,452,588, dated Apr. 24, 1923, Serial No. 501,620, filed Sept. 19, 1921. 15 Claims. (Cl. 229—47.)



15. The method of sealing a shipping case having a closure made up of several overlying and underlying members, which comprises inserting an anvil, stitching the overlying and underlying members together across one end, then inserting a blade anvil in the stitched end between the overlying and underlying members and stitching the overlying and underlying members together at the opposite end of the case.

16,348. SWAB. WILLIAM JAMES CARPENTER, Eastland, Tex., assignor, by mesne assignments, to W. N. Hamaker, trustee, Los Angeles, Calif. Filed Dec. 21, 1925. Serial No. 76,872. Original No. 1,485,248, dated Feb. 26, 1924, Serial No. 614,634, filed Jan. 24, 1923. 10 Claims. (Cl. 103—225.)

1. A swab of the class described comprising: a head; a stem connected therewith; a tubular member surrounding the stem; a packing member carried by the tubular member; a valve seat at the lower end of the tubular member; a valve slidably mounted on the stem; a spring carried by the stem for holding the valve upon its seat; and a nut on the stem for adjusting the spring, there being means provided for permitting the packing member to be expanded on the upward stroke by the pressure of the liquid being raised.

16,349. FOUNTAIN PEN. IVAN D. TREFFT, Glencoe, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 23, 1924. Serial No. 694,453. Original No. 1,446,524, dated Feb. 27, 1923, Serial No. 557,558, filed May 1, 1922. 8 Claims. (Cl. 120—46.)

1. In a fountain pen in combination, a barrel closed at its lower end, a pen section having a rubber sack mounted at its lowermost extremity affixed to the open end of the barrel the rubber sack extending therein, a longitudinally extending slot in said barrel, flanges formed on the walls of said slot, a flanged lever mounted in said slot, a presser bar co-operating with said lever for depressing the ink sack, and resilient means mounted between the flanges of the lever for fulcruming said lever in the slot.

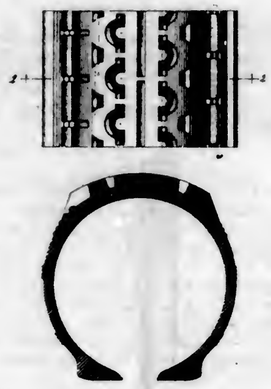
16,350. COMPOSITION FOR REMOVING CARBON DEPOSITS. JOHN BIED, Camden, Me. Filed Jan. 12, 1926. Serial No. 80,843. Original No. 1,565,779, dated Dec. 15, 1925, Serial No. 35,025, filed June 4, 1925. 4 Claims. (Cl. 87—5.)

1. A composition for removing carbon as described consisting of commercial ammonium carbonate and naphthalene.

DESIGNS

MAY 11, 1926.

70,090. TIRE TREAD. OTTO BASTEN, Rutherford, N. J., assignor to Sterling Tire Corporation, Rutherford, N. J. Filed Feb. 19, 1926. Serial No. 16,582. Term of patent 7 years.



The ornamental design for a tire tread as shown.

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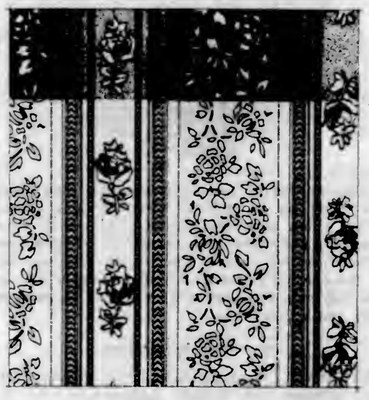
91. GOBLET. ELMER BELL, Mount Pleasant, Pa., ...signor to Bryce Brothers Company, Mount Pleasant, ..., a Corporation of Pennsylvania. Filed May 5, 1925. ...rial No. 13,330. Term of patent 14 years.

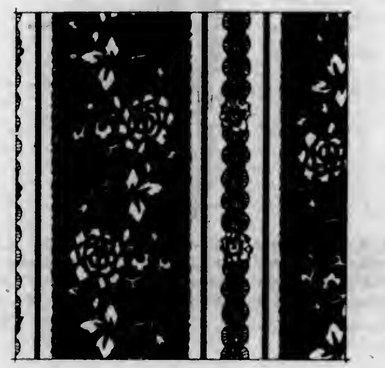
The ornamental design for a goblet, as shown.

70,092. MATTRESS TICKING. REUBEN BINKOVITZ, New York, N. Y. Filed Mar. 29, 1926. Serial No. 17,103. Term of patent 3½ years.



The ornamental design for a mattress ticking, as shown and described.

70,093. MATTRESS TICKING. REUBEN BINKOVITZ, New York, N. Y. Filed Mar. 29, 1926. Serial No. 17,104. Term of patent 3½ years.

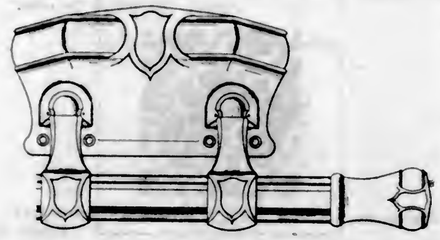


The ornamental design for a mattress ticking, as shown.

70,094. MATTRESS TICKING. REUBEN BINKOVITZ, New York, N. Y. Filed Mar. 29, 1926. Serial No. 17,105. Term of patent 3½ years.

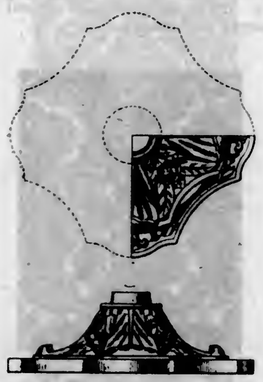
The ornamental design for a mattress ticking, as shown.

70,095. BURIAL-CASKET HANDLE. CHARLES BLESCH, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 24, 1926. Serial No. 16,652. Term of patent 7 years.



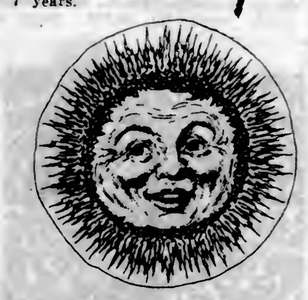
The ornamental design for a burial casket handle, substantially as shown and described.

70,096. LAMP BASE. THEODORE CHANOCK, Chicago, Ill. Filed Jan. 29, 1926. Serial No. 16,326. Term of patent 3½ years.



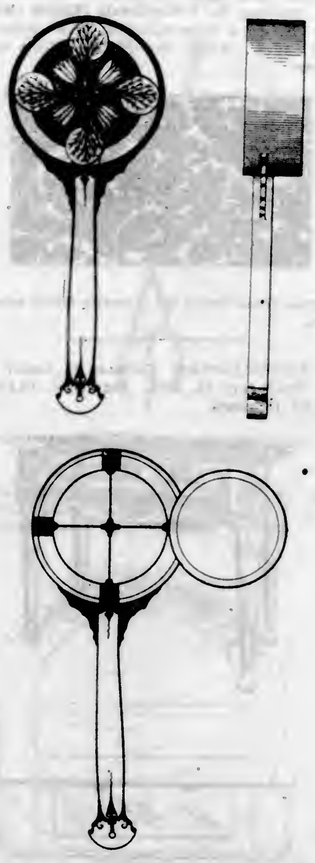
The ornamental design for a lamp base substantially as shown.

70,097. PILLOW TOP. ETHEL CHANTLAND, Chicago, Ill. Filed Feb. 10, 1926. Serial No. 16,469. Term of patent 7 years.



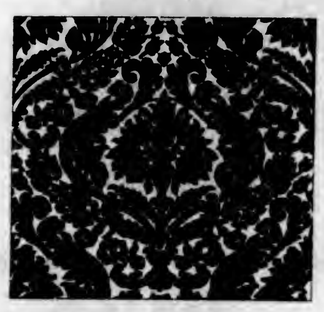
The ornamental design for a pillow top, as shown.

70,098. COMBINED FAN AND VANITY CASE. ANTHONY S. DAKIS, Canton, Ohio, assignor of one-third to Anthony Miller and one-third to Christ Texas, both of Canton, Ohio. Filed Feb. 2, 1926. Serial No. 16,376. Term of patent 14 years.



The ornamental design for a combined fan and vanity case, as shown.

70,099. TEXTILE FABRIC. HARRY S. DAY, Hawthorne, N. J., assignor to Pennsylvania Textile Mills Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 16,727. Term of patent 3½ years.

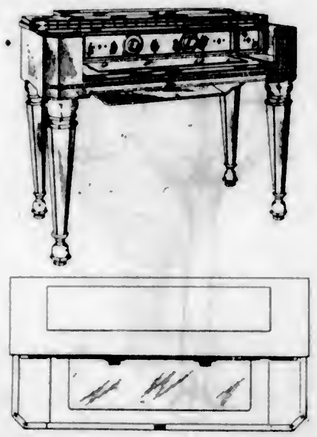


The ornamental design for a textile fabric substantially as shown.

70,100. TEXTILE FABRIC. HARRY S. DAY, Hawthorne, N. J., assignor to Pennsylvania Textile Mills Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 16,728. Term of patent 3½ years.

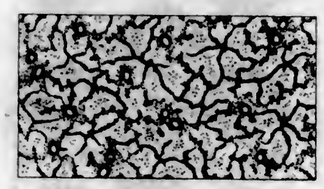
The ornamental design for a textile fabric substantially as shown.

70,101. RADIOCABINET. CHARLES H. DERRY, Alliance, Ohio. Filed July 18, 1925. Serial No. 14,136. Term of patent 14 years.



The ornamental design for a radiocabinet as shown.

70,102. WALL PAPER OR SIMILAR ARTICLE. JOSEF DORNBUSCH, Crefeld, Germany. Filed Mar. 13, 1926. Serial No. 16,908. Term of patent 7 years.



The ornamental design for wall paper or similar article, as shown.

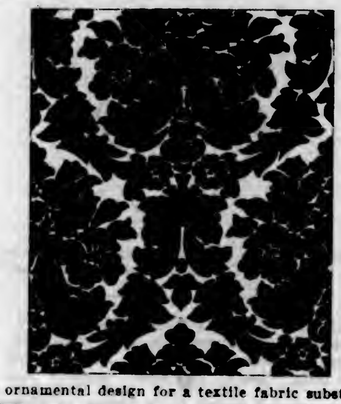
70,103. LAUNDRY BAG. KATHERINE L. DRUMMOND, Chicago, Ill., assignor to T. Buettner & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1926. Serial No. 17,082. Term of patent 3½ years.

The ornamental design for a laundry bag as shown.

70,104. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 16,741. Term of patent 3½ years.

The ornamental design for a textile fabric substantially as shown.

70,105. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 16,742. Term of patent 3½ years.



The ornamental design for a textile fabric substantially as shown.

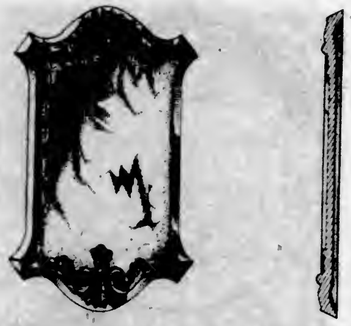
70,106. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 16,745. Term of patent 3½ years.

The ornamental design for a textile fabric substantially as shown.

70,107. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed Mar. 4, 1926. Serial No. 16,772. Term of patent 3½ years.

The ornamental design for a textile fabric substantially as shown.

70,108. ELECTRIC SWITCH PLATE. FELIX GOTTLICHER, San Francisco, Calif. Filed Mar. 3, 1926. Serial No. 16,756. Term of patent 14 years.



The ornamental design for an electric switch plate, substantially as shown.

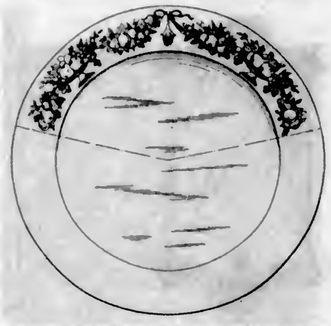
70,109. TONGS. ROBERT F. GOWEN, Ossining-on-Hudson, N. Y. Filed Mar. 27, 1925. Serial No. 12,910. Term of patent 7 years.

The ornamental design for a tongs, as shown.

70,110. PLATE OR ANALOGOUS ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,968. Term of patent 7 years.

The ornamental design for a plate or analogous article, as shown.

70,111. PLATE OR ANALOGOUS ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,969. Term of patent 7 years.

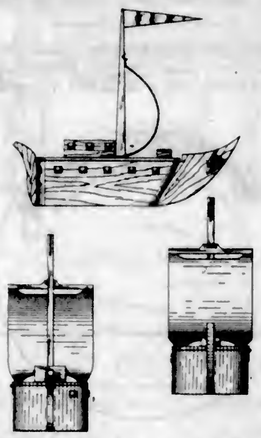


The ornamental design for a plate or analogous article, as shown.

70,112. PLATE OR ANALOGOUS ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,970. Term of patent 7 years.

The ornamental design for a plate or analogous article, as shown.

70,113. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Mar. 17, 1926. Serial No. 16,954. Term of patent 3½ years.

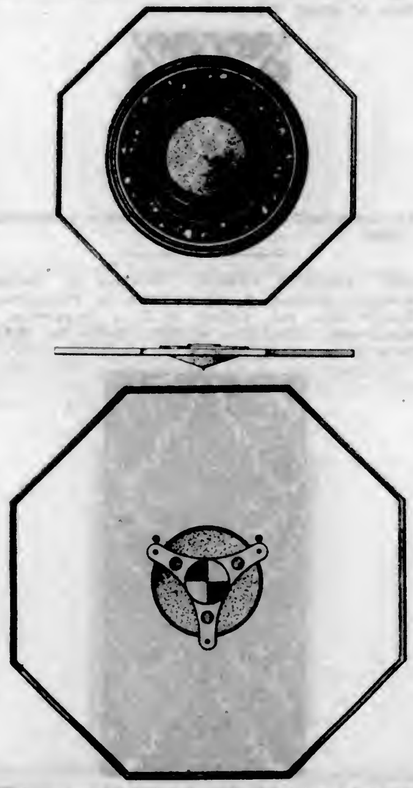


The ornamental design for a box, as shown and described.

70,114. BUTTON. WILLIAM W. HOBB, New York, N. Y. Filed Mar. 16, 1925. Serial No. 12,740. Term of patent 3½ years.

The ornamental design for a button as shown.

70,115. LOUD SPEAKER. MARCUS C. HOPKINS, Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Feb. 11, 1926. Serial No. 16,490. Term of patent 14 years.

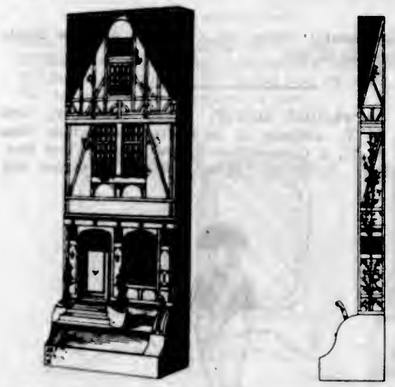


The ornamental design for a loud speaker substantially as shown.

70,116. BOTTLE OR SIMILAR CONTAINER FOR PERFUMES AND THE LIKE. SIMON A. JAROSLAWSKI, Paris, France, assignor to Ybry, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 15, 1925. Serial No. 15,136. Term of patent 7 years.

The ornamental design for a bottle or similar container for perfumes and the like, as shown.

70,117. VENDING-MACHINE CASING. ANDERS JORDAHL, New York, N. Y., assignor to Honey-Suckle Inns, Inc., Brooklyn, N. Y., a Corporation of Delaware. Filed Jan. 7, 1926. Serial No. 15,980. Term of patent 7 years.



The ornamental design for a vending machine casing as shown.

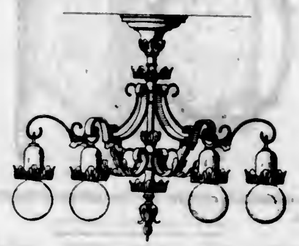
70,118. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Jan. 18, 1926. Serial No. 16,150. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

70,119. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Jan. 21, 1926. Serial No. 16,197. Term of patent 3½ years.

The ornamental design for a textile fabric, as shown.

70,120. CEILING LIGHTING FIXTURE. STEPHEN KOSTRZEWSKI, New Canaan, Conn., assignor to Abraham Stolzer, New York, N. Y., doing business under the name and style of New England Incandescent Supply Company. Filed Mar. 16, 1926. Serial No. 16,940. Term of patent 3½ years.



The ornamental design for a ceiling lighting fixture substantially as shown.

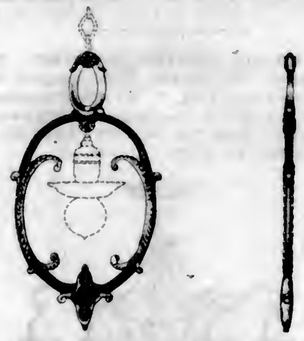
70,121. ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,605. Term of patent 3½ years.

The ornamental design for an electric lighting fixture, as shown.

70,122. ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,608. Term of patent 8½ years.

The ornamental design for an electric lighting fixture, as shown.

70,123. ELECTRIC-LIGHTING FIXTURE. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,609. Term of patent 7 years.



The ornamental design for an electric lighting fixture, as shown.

70,124. BRACKET ARM FOR LIGHTING FIXTURES. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,610. Term of patent 3½ years.

The ornamental design for a bracket arm for lighting fixtures as shown.

70,125. BRACKET ARM FOR LIGHTING FIXTURES. ISIDORE KRANZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 16,612. Term of patent 7 years.

The ornamental design for a bracket arm for lighting fixtures as shown.

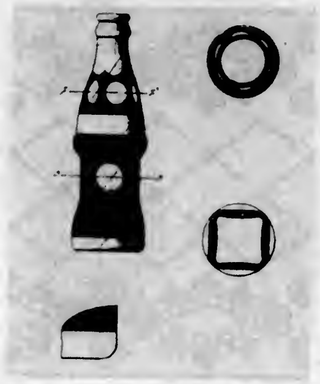
70,126. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1926. Serial No. 16,945. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,127. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1926. Serial No. 16,947. Term of patent 3½ years.

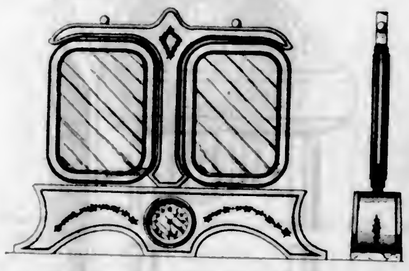
The ornamental design for an appliqué motif substantially as shown.

70,128. BOTTLE. JOHN M. LENTS, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,533. Term of patent 14 years.



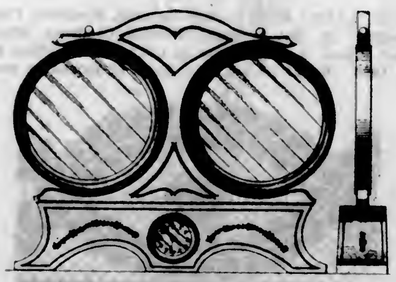
The ornamental design for a bottle, as shown.

70,129. COMBINED PICTURE FRAME AND STAND THEREFOR. MICHAEL LESKIEWICZ and WOJCIECH BARTKOWIAK, Chicago, Ill. Filed Feb. 12, 1926. Serial No. 16,510. Term of patent 14 years.



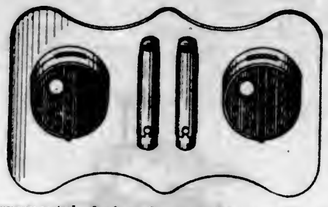
The ornamental design for a combined picture frame and stand therefor, as shown.

70,130. COMBINED PICTURE FRAME AND STAND THEREFOR. MICHAEL LESKIEWICZ and WOJCIECH BARTKOWIAK, Chicago, Ill. Filed Feb. 17, 1926. Serial No. 16,562. Term of patent 14 years.



The ornamental design for a combined picture frame and stand therefor, as shown.

70,131. TOILET-ARTICLE HOLDER. HARRY LEVITSKY, Brooklyn, and BENJAMIN ECKSTEIN, New York, N. Y. Filed Mar. 24, 1926. Serial No. 17,046. Term of patent 14 years.

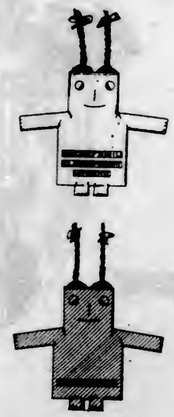


The ornamental design for a toilet article holder as shown.

70,132. HEATER. HAROLD P. MUELLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 5, 1925. Serial No. 12,594. Term of patent 14 years.

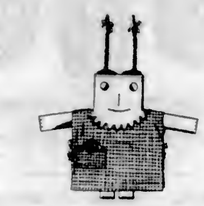
The ornamental design for a heater, as shown.

70,133. DOLL. MARTA OATMAN, Los Angeles, Calif. Filed Oct. 6, 1925. Serial No. 15,036. Term of patent 3½ years.



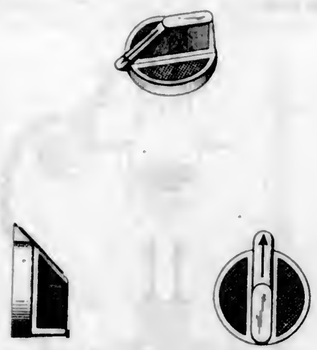
The ornamental design for a doll, substantially as shown and described.

70,134. DOLL. MARTA OATMAN, Los Angeles, Calif. Filed Dec. 12, 1925. Serial No. 15,724. Term of patent 3½ years.



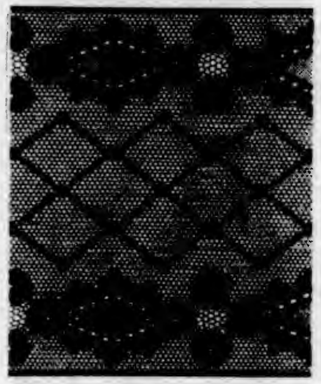
The ornamental design for a doll, substantially as shown.

70,135. CONTROL KNOB. LOUIS G. PACENT, Winfield, N. Y., assignor to Pacent Electric Company, Incorporated, a Corporation of New York. Filed Feb. 16, 1926. Serial No. 16,544. Term of patent 14 years.



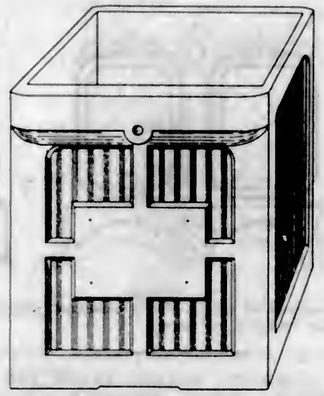
The ornamental design for a control knob as shown.

70,136. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 15, 1926. Serial No. 16,527. Term of patent 3½ years.



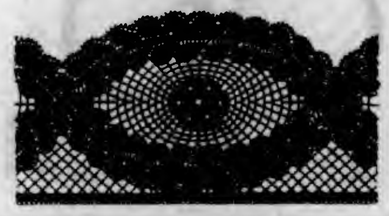
The ornamental design for lace substantially as shown.

70,137. BATTERY CONTAINER. THERON R. PALMER, Erie, Pa. Filed Mar. 6, 1925. Serial No. 12,622. Term of patent 7 years.



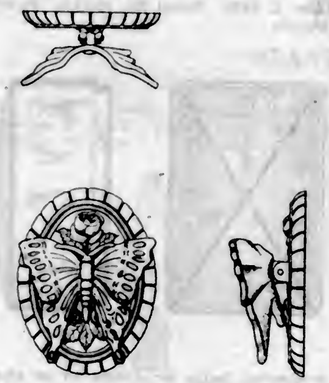
The ornamental design for a battery container as shown.

70,138. LACE. HANS ALBERT PHILIPS, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 6, 1925. Serial No. 13,832. Term of patent 14 years.



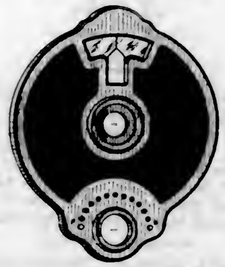
The ornamental design for lace substantially as shown.

70,139. DOOR KNOCKER. ROSA MAY PICKARD, Wilmette, Ill. Filed Mar. 6, 1926. Serial No. 16,810. Term of patent 7 years.



The ornamental design for a door knocker, as shown.

70,140. PANEL FOR RADIODIALS. WILLIAM A. READY, Brookline, Mass. Filed Feb. 15, 1926. Serial No. 16,522. Term of patent 7 years.



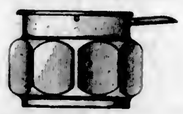
The ornamental design for a panel for radio dials as shown.

70,141. AUTOMOBILE SIGNAL-LAMP CASING. FRANCIS WILLIAM JAMES ROBINSON, Germiston, Transvaal, South Africa. Filed Feb. 9, 1925. Serial No. 12,319. Term of patent 7 years.

The ornamental design for an automobile signal lamp casing, as shown.

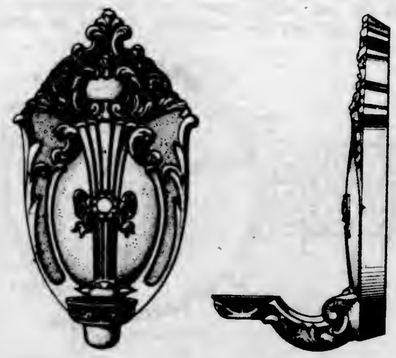
70,142. [WITHDRAWN.]

70,143. SMOKER'S ASH RECEIVER. JACOB S. SHERMAN, Chicago, Ill., assignor to Universal Lamp Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1926. Serial No. 16,797. Term of patent 14 years.



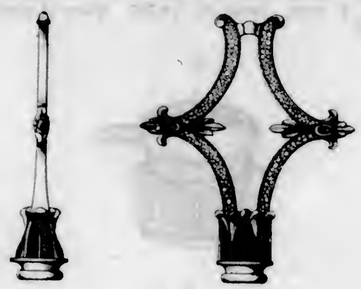
The ornamental design for a smoker's ash receiver, substantially as shown.

70,144. WALL BRACKET. PAUL SIPTROTT, New York, N. Y., assignor to Levolite Co. Inc., New York, N. Y. Filed Feb. 15, 1926. Serial No. 16,525. Term of patent 3½ years.



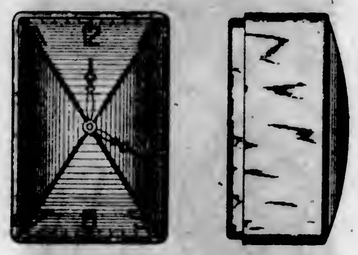
The ornamental design for a wall bracket, as shown.

70,145. LOOP FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 27, 1926. Serial No. 16,696. Term of patent 3½ years.



The ornamental design for a loop for lighting fixtures, as shown.

70,146. CASE FOR AN ALARM CLOCK. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed Dec. 2, 1925. Serial No. 15,613. Term of patent 14 years.

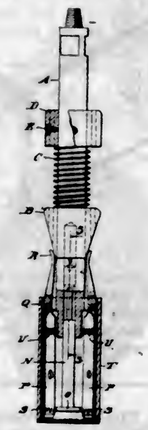


The ornamental design for a case for an alarm clock as shown.

PATENTS

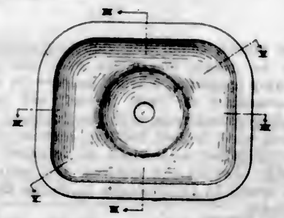
GRANTED MAY 11, 1926.

1,583,767. FISHING TOOL. MERRILL I. AKINS, Bishop, and CHARLES J. MOYER, Orcutt, Calif. Filed Oct. 21, 1925. Serial No. 63,878. 5 Claims. (Cl. 294—116.)



4. In a fishing tool, a shank, a spring-pressed slidable sleeve on said shank, a pin engageable with said sleeve to hold it in a retracted position, said pin being arranged to tend to move longitudinally under urge of said sleeve, means for opposing movement of said pin adapted to be actuated to permit advance of the pin under pressure of the sleeve to release the latter, and jaw members operable by advance of said sleeve.

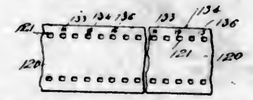
1,583,768. HEADLIGHT. MATHIAS ALBRECHT, Homestead, Pa. Filed Oct. 12, 1925. Serial No. 61,918. 1 Claim. (Cl. 240—41.)



A headlight reflector of essentially paraboloid form which on axial and vertical plane is shaped to a narrowly spreading parabola, on axial and horizontal plane is shaped to a more widely spreading parabola, and on axial and oblique plane is shaped to a still more widely spreading parabola, the reflector being provided in its upper portion with a horizontal surface extending from the edge rearwardly.

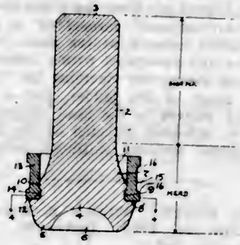
1,583,769. NUMBERED FILMS. JOSEPH ALLER (formerly Joseph Altschuler), Los Angeles, and DEMETRY ISNOW, Arcadia, Calif. Original application filed Jan. 22, 1918, Serial No. 213,185. Divided and this application filed Sept. 22, 1923. Serial No. 664,281. 2 Claims. (Cl. 88—19.5.)

1. As an article of manufacture, a light-sensitive motion picture film strip which is unexposed except for latent images of identifying data between the areas which will receive the motion pictures and the edges of



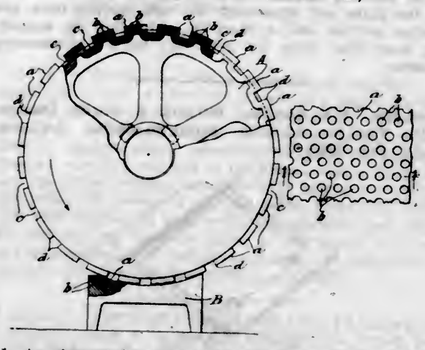
the film, said data including consecutive numerals at regular intervals along said strip.

1,583,770. RIVET SET. WILLIAM S. BIDLE, Cleveland, Ohio, assignor to The W. S. Bidle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 7, 1925. Serial No. 67,588. 4 Claims. (Cl. 78—46.)



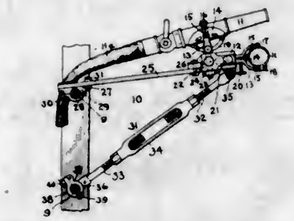
1. A rivet set, comprising a riveting head having an annular groove and seat relatively near the upsetting end thereof and formed with an integral round shank of lesser diameter than the grooved part of said head, said head gradually diminishing in diameter from said grooved part to said shank, and a separate recoil-resisting ring affixed to the grooved part of said head adapted to bear against said seat.

1,583,771. MACHINE FOR WORKING PAPER STOCK. GEORGE L. BIDWELL, Riegelsville, Pa., assignor to The Warren Manufacturing Company, Riegelsville, N. J., a Corporation of New Jersey. Filed Oct. 21, 1924. Serial No. 744,883. 6 Claims. (Cl. 92—22.)



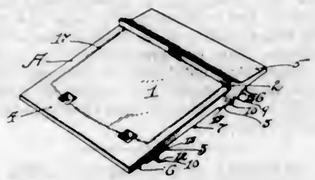
1. An element for an engine of the type described the operative face of which is pitted with artificially formed open holes providing, between and around the holes, a smooth solid pulping surface of an area at least equal to the aggregate areas of the holes, substantially as described.

1,583,772. PORTABLE FIRE-HOSE-NOZZLE SUPPORT. JACOB B. BLAW, Atlantic City, N. J. Filed Dec. 12, 1923. Serial No. 680,094. 5 Claims. (Cl. 248—28.)



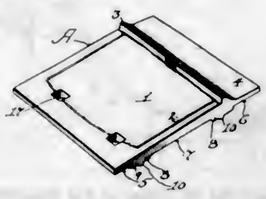
2. A portable support for a fire nozzle, which consists of a jointed frame structure formed of two frames of different radial lengths carrying at the jointed end a head and having the free end of each of the frames provided with adjustable positive clamping devices for a positive yet detachable connection so that the two frames may be connected with widely separated rungs of a ladder and whereby the head may be positioned to one side and at a distance from the plane of the ladder, said clamping devices each formed of a transversely grooved part rigidly secured to the end of one of the respective frames and associated with a hinged clamping part and latching means for clamping the frames when spread to the rungs of the ladder, and a fire nozzle clamp adjustably secured to the head whereby a stream of water may be definitely directed on the fire and the direction maintained without continued manual control.

1,583,773. TIE PLATE. WILLIAM S. BOYCE, Chicago, Ill. Filed Nov. 14, 1925. Serial No. 68,950. 17 Claims. (Cl. 238—298.)



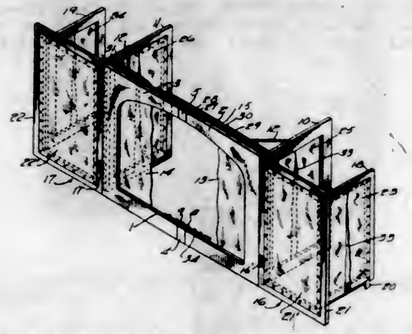
1. A tie plate having its bottom median portion and its bottom end portions cut away or recessed, a relatively narrow, initially tie-bearing member transversely of the plate and separating the end portion from the median portion, and a short tie embedding rib depending lengthwise from the relatively narrow, tie-bearing member.

1,583,774. TIE PLATE. WILLIAM S. BOYCE, Chicago, Ill. Filed Nov. 16, 1925. Serial No. 69,239. 5 Claims. (Cl. 238—298.)



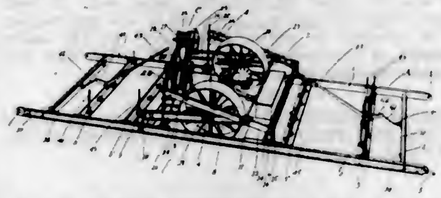
1. A tie plate having its bottom surface recessed under each end of the plate and also under its central portion, the intermediate, unrecessed portions being relatively narrow, and extending transversely of the plate and constituting initial tie bearing surfaces, tie engaging, tapered ribs in the median recessed portion extending alternately from one narrow tie bearing surface toward the other.

1,583,775. COLLAPSIBLE THEATER. ERDMANN N. BRANDT, Tarrytown, N. Y. Filed Oct. 11, 1924. Serial No. 743,069. 14 Claims. (Cl. 46—37.)



1. An apparatus of the character set forth including a vertically divided laterally foldable proscenium arch panel with side panels hinged to the opposite edges thereof for folding flat up against the foldable portions of the arch when the latter are folded into parallel relation.

1,583,776. ROAD PLANER. RALPH BROWNSON and THEODORE A. BROWNSON, Hastings, Minn., assignors to R. Brownson & Company, Hastings, Minn., a Corporation of Minnesota. Filed Dec. 1, 1921. Serial No. 519,104. 6 Claims. (Cl. 37—160.)

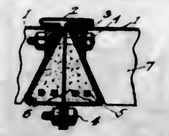


1. A road planer, comprising elongated planing frame, adapted to be drawn lengthwise over the ground to effect a planing operation, a truck support for said frame located intermediate the ends thereof, and having vertically yielding connections with the frame, a winch operatively connected to said yielding connections and the frame whereby when said winch is actuated the frame may be bodily elevated and lowered, and means for supporting the winch on the platform to enable the latter to move therewith.

3. A road planer comprising an oblong frame adapted to be drawn lengthwise over the ground to effect a planing operation, means including lifting mechanism located intermediate the ends of said frame extending to the ground, for moving said frame bodily vertically, and separate groups of cutting teeth extending from the underside of said frame and laterally across the latter, said groups being distributed symmetrically on said frame with respect to said means.

1,583,777. BUILDING CONSTRUCTION. GEORGE WHITEFIELD CHANCE, Swarthmore, Pa. Filed June 13, 1922. Serial No. 567,925. 5 Claims. (Cl. 189—1.)

1. In a building structure, the combination of a series of vertical panel plates flanged inward at their tops and bottoms, each pair of adjacent plates having their vertical edge portions bent to substantially enclose between them a space which is approximately triangular in cross section and which is located entirely at the inner side

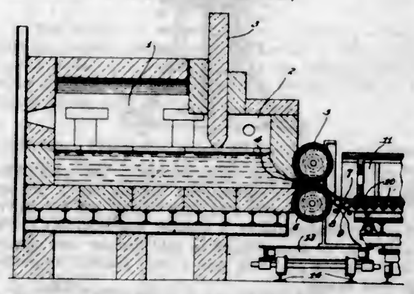


of the main plane of the plates, a ground frame to which the bottom flanges are connected, and shear resisting fastenings for holding the each two adjacent plates together.

1,583,778. TOUPEE. ROBERT S. CONLEY, Chicago, Ill. Filed June 13, 1925. Serial No. 36,818. 7 Claims. (Cl. 132—53.)

1. A parting frame for manufactured hair goods comprising a semi-rigid, semi-flexible elongated member having two arms connected at adjacent ends to form a narrow slot, the free ends of said arms being curved outwardly and away from each other.

1,583,779. PROCESS AND APPARATUS FOR MAKING SHEET GLASS. KARL L. W. CORE, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,519. 4 Claims. (Cl. 49—33.)

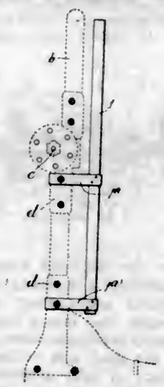


1. A process for making sheet glass which consists in flowing the glass from a molten bath to the pass between a pair of forming rolls, driving the rolls at the same peripheral speed, and shifting the relation of one of the rolls to its driving means to bring the rolls into parallelism in case they become bowed away from each other in service.

1,583,780. AUTO VENTILATOR AND GLARESHIELD. THOMAS F. COSTELLO, Minneapolis, Minn. Filed June 18, 1928. Serial No. 646,139. 2 Claims. (Cl. 296—95.)

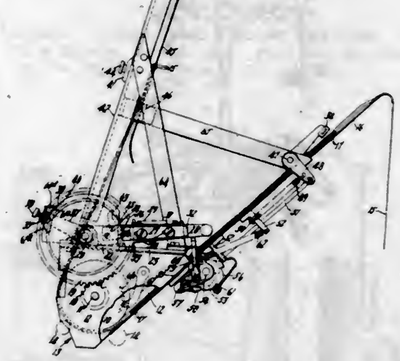
2. The combination with an automobile wind shield having spaced side supports, of a device comprising spaced vertical channel guide members secured, respectively, to

said supports and having channels facing each other, a rectangular screen carrying frame slidable in said guide members, springs secured to the sides of said frame en-



gaging said guide members, and a catch at each side of said frame at its upper end adapted to engage over the top of said guide members when said frame is in its upper position.

1,583,781. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 5, 1924. Serial No. 717,920. 24 Claims. (Cl. 197—127.)

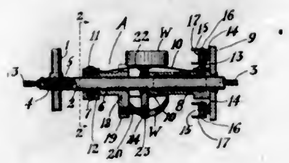


1. In a continuous billing typewriting machine, the combination with a revoluble platen, of a set of discrete carbons feedable around the platen with an interleaved work-web, means for holding the carbons stationary in a definite predetermined carbon-shifting position wherein they are straight and free of the platen, means for sweeping the platen forward and backward, means for limiting the backward sweep of the platen to arrest the work-web and carbons in carbon-shifting position, and means for limiting the forward sweep of the platen to arrest the work-web when it has been advanced a predetermined distance from the carbon-shifting position.

1,583,782. METHOD OF CURING AND PRESERVING FISH. AKIM P. DOBRYNIN, Chicago, Ill. Filed Feb. 11, 1925. Serial No. 8,523. 4 Claims. (Cl. 99—5.)

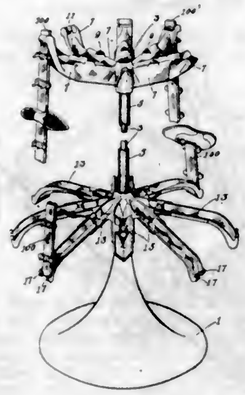
3. The method of curing and preserving fish comprising salting ungutted and unscaled fish, wrapping the salted fish within a grass mat, burying the wrapped fish in the earth for absorbing the juices and odor of the fish, and then removing and drying the fish.

1,583,783. CENTRIFUGAL SPEED GOVERNOR. THOMAS A. EDISON, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a Corporation of New Jersey. Filed Nov. 14, 1923. Serial No. 674,785. 10 Claims. (Cl. 188—187.)



1. In a device of the character described, a governor shaft, a member slidably and freely mounted on said shaft, flexible weighted means fixed to and connecting said member and shaft, and means fixedly connected to said shaft and slidably connected with said member at a point remote from the shaft and acting to prevent relative rotary movement of said member and shaft, substantially as described.

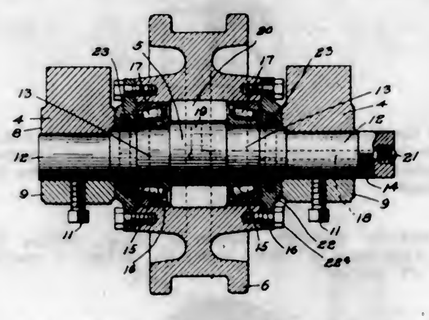
1,583,784. RACK FOR SHOE HOLDERS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 6, 1923. Serial No. 643,689. 2 Claims. (Cl. 211—24.)



1. A rack for a plurality of sticks each having detachably mounted upon one side thereof a plurality of shoes adapted to be removed by a pull exerted in a direction transverse to the axis of the stick, said rack comprising a base, and upper and lower members mounted thereon for rotation in unison, said members being formed with a series of complementary stick-engaging openings shaped to permit the sticks to be placed in and removed from the rack at will and constructed and arranged, when the sticks are in the rack, to hold the sticks from angular movement about their axes and to maintain the sticks in place while the shoes are being pulled from them.

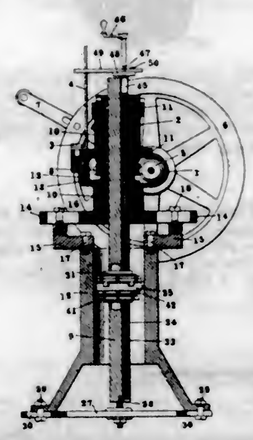
1,583,785. GLASS-SURFACING CAR OR TABLE. ALBERT E. EVANS, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Jan. 22, 1924, Serial No. 687,708. Renewed Mar. 31, 1926. 2 Claims. (Cl. 105—164.)

1. The combination with a glass surfacing table or body, of a wheel frame at the corners thereof having perforated side pieces, axles for each wheel frame having eccentric ends seated in the perforations in the side pieces, wheels journaled on the axles between the side



pieces, and clamping means for said eccentric ends for securing them in any desired position of rotary adjustment.

1,583,786. CYLINDER-BORING MACHINE. ALBERT F. FROUSSARD, St. Louis, Mo. Filed May 2, 1921, Serial No. 466,146. Renewed Oct. 14, 1925. 5 Claims. (Cl. 77—2.)

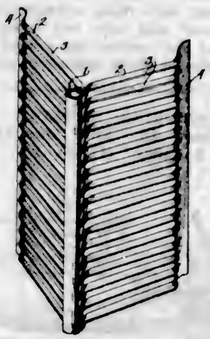


4. In a device of the class described, the combination with a boring bar, a cutter head for the bar, a threaded rod eccentrically mounted in said boring bar for moving said cutter longitudinally, a member non-rotatably carried by said rod, an arm pivoted to said member and adapted to bear against said rod, and a stop adapted to contact with said arm.

1,583,787. METHOD FOR THE PRODUCTION OF EXPANDED SHEET-METAL STRUCTURAL MEMBERS. HARVEY M. GERSMAN, Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 26, 1924. Serial No. 722,613. 8 Claims. (Cl. 164—6.5.)

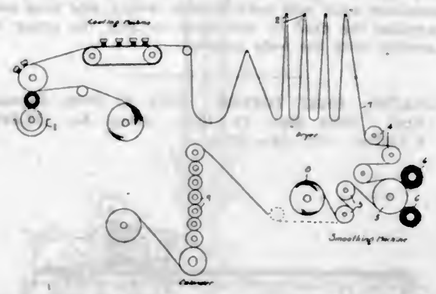
1. In the construction of structural members, providing a flat rectangular blank with parallel rows of parallel inclinded slits, the slits terminating short of the edges of the blank, thereby to leave imperforate edge portions and the slits of one row terminating short of the slits of the other row, thereby to leave an imperforate intermediate portion, bending the blank to bring the imperforate edge portions into a common plane parallel to the plane of

the intermediate imperforate portion and to cause each of the co-planar imperforate edge portions to project outward from the slitted portion by which it is carried,



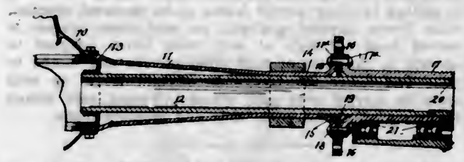
and thereafter bending the slitted portions in directions the reverse of the previous bending while simultaneously effecting relative planar movements of the imperforate portions to produce the expansion of the slitted portions.

1,583,788. METHOD OF AND APPARATUS FOR FINISHING PAPER. ALEXANDER G. GILMAN, Kalamazoo, Mich. Filed Oct. 20, 1924. Serial No. 744,737. 3 Claims. (Cl. 91—68.)



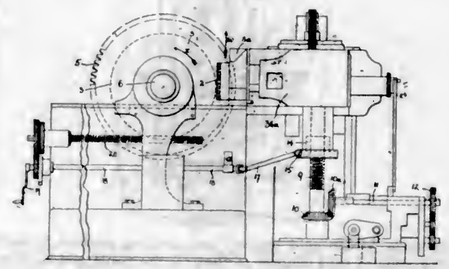
1. The method of finishing paper consisting of coating with an enamel coating, passing through a drier to dry to approximately the setting point of the coating, subjecting while in such condition of dryness to the action of a rotating brush, and calendering.

1,583,789. REAR-HOUSING STRUCTURE. GILBERT C. GOODE, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 9, 1921. Serial No. 513,924. 4 Claims. (Cl. 74—56.)



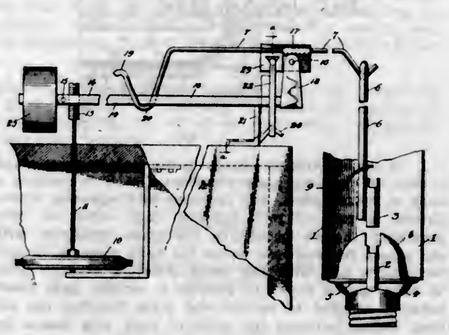
1. In a rear axle construction, the combination of a differential housing, a casing extending therefrom, an annular plate having a central opening, which plate is at the onter end of said housing and secured thereto, a tubular member forming an extension of said housing and secured at its inner end to said plate, and an axle tube which extends through the said casing and tubular extension and through the annular plate, said plate being secured to said inner tube.

1,583,790. METHOD OF AND MEANS FOR GENERATING GEAR TEETH. ALLAN GREEN, Sutton, near Keighley, England, assignor to David Brown and Sons (Huddersfield) Limited, Lockwood, Huddersfield, York, England. Filed July 12, 1923. Serial No. 651,060. 6 Claims. (Cl. 90—9.)



6. A machine for generating the teeth of gear wheels comprising a shaft, adapted to hold a blank, sliding bearings on which said shaft is mounted, supports, for said bearings, cutters having depth cutting edges, leading cutting edges and following cutting edges, cutter operating mechanism including means for laterally moving the cutters, means for advancing the cutters into the blank, supplemental means for giving an additional lateral movement to the cutter, and means for sliding the said bearings to carry the blank into the path of the cutters, the arrangement being such that the depth and leading cutting edges effect the major portion of the cut.

1,583,791. REGULATOR FOR INCUBATORS. FRANK S. MCKIBBEN, Grandin, Mo. Filed Oct. 21, 1925. Serial No. 63,875. 8 Claims. (Cl. 236—4.)

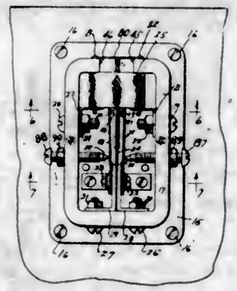


1. In an incubator regulator, the combination of a wick tube, 2, a sleeve, 3, sliding thereon, an actuating lever, 7, a hanger, 6, connecting said sleeve to said lever and a burner cap, 8, having a recess beside the flame slot for the free movement of said hanger, whereby a movement, approximately frictionless and of suitable extent and rapidity, is obtained for said sleeve from a lever mechanism located above said cap.

1,583,792. BATTERY-CHARGING DEVICE. RAY W. NILES, Ypsilanti, Mich. Filed Sept. 22, 1922. Serial No. 589,900. 4 Claims. (Cl. 175—365.)

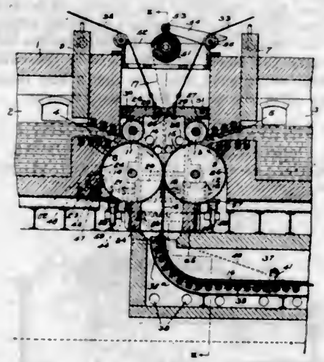
3. A device of the class described, comprising a rectifier having a vibratory reed, a magnet and a coil member suspended by angle plates secured to the sides of

said magnet, said reed being extended through said coil and having one end loosely disposed between the free ends of said magnet and having contact points intermediate



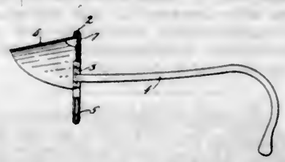
its ends within said magnet and a strap secured to said free ends of said magnet so that all the reeds and contact points thereon will be enclosed.

1,583,793. APPARATUS FOR MAKING SHEET GLASS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,634. 4 Claims. (Cl. 49—32.)



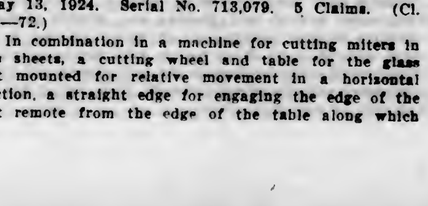
1. In combination in apparatus for making sheet glass, a pair of opposing tank receptacles each containing a bath of molten glass, and provided with opposing lateral outlets, a pair of rolls opposite each outlet in close proximity thereto to receive the glass therefrom with the passes therebetween under the head pressure in said receptacles and with the lower members of such pairs of rolls spaced so as to provide a vertical pass therebetween adapted to receive and press together the ribbons formed between the pairs of rolls, and means for rotating at least one roll of each of said pairs of rolls.

1,583,794. EYESHADE. FREDERICK E. PARSONS, Los Angeles, Calif. Filed Oct. 8, 1923. Serial No. 667,234. 6 Claims. (Cl. 2—13.)



2. An eye-shade comprising a frame having adjacent bows joined by a connecting bridge and provided with inner peripheral grooves, and an independent semi-circular shade visor positioned entirely within the circumference of each respective bow and normally capable of unlimited circular adjustment to different positions around said bow, each shade member extending at least half way around said bow and being provided with means engaging only within the groove thereof to frictionally maintain the shade member in position.

1,583,795. ANCHORING ELEMENT. STANLEY PASTURZAK, Chicago, Ill. Filed May 12, 1925. Serial No. 29,803. 8 Claims. (Cl. 43—1.)



1. The combination with a body member formed with a bore and having a hole extending laterally therethrough from its bore; of a prong passing through said hole and having a head within said bore; and a plug assembled with said body member within said bore and engaging the head of the prong to hold the prong in assembly with the body member.

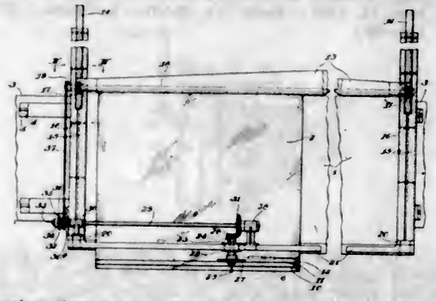
1,583,796. BEET TOPPER. JOHN T. POPE, Layton, Utah. Filed Sept. 13, 1924. Serial No. 737,548. 4 Claims. (Cl. 55—107.)

2. In a beet harvester a frame mounted on wheels; a beet moving chain carried over sprocket wheels mounted on said frame; cross pieces on said chain longitudinally slotted to allow curved hooks to be operated therein; cross levers pivoted medially on said cross pieces; a curved hook on each of said cross levers adapted to operate in the slots of said cross pieces; and means to raise and lower the free ends of said levers as said chain is carried over said sprocket wheels, said means consisting of curved guide rods and pressure disks.

1,583,797. MITER-CUTTING MACHINE. BENJAMIN REHM, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 713,079. 5 Claims. (Cl. 51—72.)

1. In combination in a machine for cutting miters in glass sheets, a cutting wheel and table for the glass sheet mounted for relative movement in a horizontal direction, a straight edge for engaging the edge of the sheet remote from the edge of the table along which

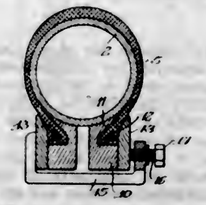
the cut is to be made, guided upon such table for movement at right angles to the line of cut, gearing for adjusting the straight edge toward the cutting wheel, a setting device at the front of the machine, and actuating connections between such device and said gearing.



1,583,798. ARTIFICIAL CANDLE. JACOB E. ROSENBERG, Canonsburg, Pa. Filed Feb. 10, 1925. Serial No. 8,120. 2 Claims. (Cl. 67—36.)

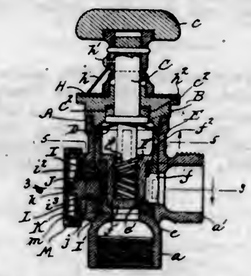
1. An artificial candle having in combination a hollow body member provided with an open lower end and an upper end shaped to form a candle tip having an opening therethrough, a removable fuel cartridge adapted to be inserted through the lower end of said body member and provided with a wick supporting extension projecting through the opening in said tip, a wick supported therein and a removable resilient plug in the lower end of said body member forming a base therefor and adapted to support said cartridge with its extension in predetermined spaced relation to said candle tip.

1,583,799. TIRE-VULCANIZING MECHANISM. JAMES A. RUTHERFORD, Rochester, N. Y. Filed Apr. 24, 1925. Serial No. 25,608. 7 Claims. (Cl. 18—18.)



1. Tire vulcanizing mechanism comprising a heating core and means for clamping a tire around the core comprising a gripping member engaging both sides of each of the bead portions of the tire, and devices for drawing said gripping members toward each other.

1,583,800. STEAM VALVE. JACOB SCHAUB, Lawrenceburg, Ind., and STEDMAN D. HARDING, Brooklyn, N. Y.; said Schaub assignor to said Harding. Filed Oct. 10, 1924. Serial No. 742,772. 11 Claims. (Cl. 277—66.)



11. In a device of the class described, a valve body having a fluid port, a fixed bushing therein provided with a fluid port adapted to communicate with the first mentioned port and with an annular raceway, a valve member movable within the bushing, a plurality of gates movable within the raceway for effecting a variation in the area of said port, a setting member rotatably mounted in the body and geared to the gates, indicating means co-operable with the setting member, and means for retaining said setting member in fixed relation to the bushing.

1,583,801. ARTIFICIAL TANNING SUBSTANCE. OTTO SCHMIDT, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Aug. 24, 1925. Serial No. 52,283. 5 Claims. (Cl. 149—4.)

5. The process of producing tanning materials which consists in oxidizing a charcoal containing at least 9 per cent of oxygen, calculated on the coaly substance free from ashes with nitric acid, partly neutralizing the oxidation product with a base forming a soluble salt, and mixing the product with a natural tanning extract.

1,583,802. PARACHUTE. ALBERT SCHWARZ, New York, N. Y., assignor of one-half to Isidore M. Lashinsky, New York, N. Y. Filed Oct. 12, 1923. Serial No. 668,068. 1 Claim. (Cl. 244—21.)

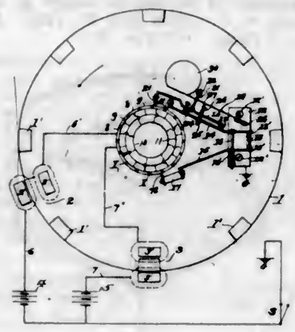
In a parachute, a staff, a ribbed parachute assembly attached thereto, a pair of nesting sleeves slidable over said staff and in pivotal connection with ribs of said parachute assembly, a spring on said staff compressible

between said sleeves for spreading said parachute on compression release through movement of said sleeves, a slidable rack bar in said staff, connection between said bar and parachute assembly, and manually operable rack bar operating means on said staff for moving said bar to contract said parachute against action of said spring.

1,583,803. STENCILING MACHINE. JAMES E. SHAVER, Jr., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed May 26, 1923, Serial No. 641,533. Divided and this application filed May 31, 1924. Serial No. 716,972. 11 Claims. (Cl. 101—116.)

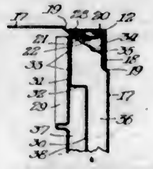
1. In a stenciling machine, the combination of a main frame, a stencil-cylinder mounted for rotation thereon, a handle on said cylinder for rotating the same, a forward stop and a reverse stop on said cylinder, a forward check and a reverse check rigid with each other and pivotally mounted on said main frame, said reverse stop being engageable with said reverse check to move said forward check into the path of said forward stop and interrupt the forward movement of said cylinder, and means operative on slight reverse movement of said cylinder to move said forward check out of the path of said forward stop and to interpose said reverse check in the path of said reverse stop, thus stopping the reverse movement of said cylinder but permitting further forward movement thereof.

1,583,804. SELF-STARTING MOTOR. JAMES T. SIBLEY, New York, N. Y. Filed Sept. 19, 1923. Serial No. 663,577. 10 Claims. (Cl. 171—222.)



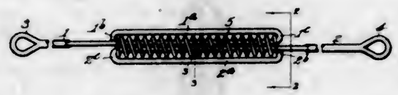
1. In a starter for electric motors, the combination of a rotor having a plurality of armature poles and a field magnet having its poles located in proximity to the path of said armature poles, a stationary circuit interrupter having a series of metallic segments upon its surface, a brush mounted upon said rotor to rotate therewith in contact with said interrupter, a supplemental brush connected to and in advance of said first named brush, and means for separating said supplemental brush from said interrupter after said rotor begins to rotate.

1,583,805. STOVE STRUCTURE. ERNEST F. SIBLOFF, Chicago, Ill., assignor to Cole Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1925. Serial No. 36,807. 6 Claims. (Cl. 126—39.)



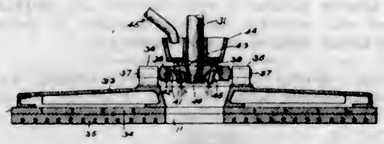
1. In a stove construction, a frame member, a panel having engagement with the inner face thereof, an inwardly spaced flange along the adjacent portion of the frame member and a key frictionally inserted between said flange and the panel to removably secure the latter in position.

1,583,806. TOW ROD FOR VEHICLES. LEN B. SNYDER, New Martinsville, W. Va. Filed Oct. 7, 1925. Serial No. 61,022. 2 Claims. (Cl. 280—33.14.)



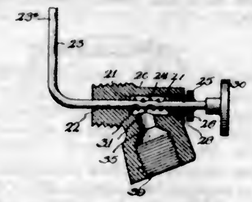
1. A tow-rod for vehicles, comprising a compression spring of cylindrical coil form, and a pair of correspondingly shaped rods associated with said spring, said rods being directed longitudinally through said spring from opposite ends of the latter and each having its outer end adapted for attachment to a vehicle, said rods having their inner end portions bent back and disposed parallel to and exteriorly of said spring and having their terminal portions bent inward to form lugs, each rod having the return bend thereof seated upon one end of said spring and the terminal lug thereof seated upon the opposite end of said spring.

1,583,807. GRINDING MACHINE. JACOB SODERBERG, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 11, 1922. Serial No. 593,760. 2 Claims. (Cl. 51—110.)



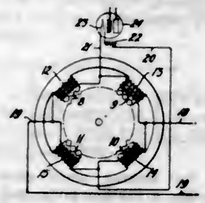
1. A grinding machine for sheet glass comprising a bed or table mounted for longitudinal movement and carrying the glass sheet to be surfaced, a plurality of horizontal grinding discs, having their centers open, arranged in two sets or series along the table with their axes of rotation off center with respect to the longitudinal center line of the table and of such diameter that each disc extends out past both of the side edges of the sheet a substantial distance, one set or series of said discs having their axes to one side of such center line, and the other set or series having their axes on the other side of such center line, but all of said axes being located inward from the side edges of the glass sheet, and means for rotating the discs.

1,583,808. FUEL-RESERVOIR SYSTEM. PERCY W. STEPHENS, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,248. 10 Claims. (Cl. 158—46.5.)



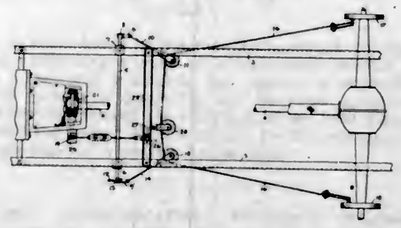
1. A reserve liquid control device comprising a tube having a part extending at an angle to the remainder thereof, a body member surrounding and having a rotatable and liquid tight fit with one of the parts of said tube said body member being provided with an outlet coupling having communication with said tube within said body portion, and means for attaching said body member to an angular outlet of a tank with the angled part of said tube projecting thereinto.

1,583,809. DYNAMO-ELECTRIC MACHINE. HUGH M. STOLLER, Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,333. 3 Claims. (Cl. 171—252.)



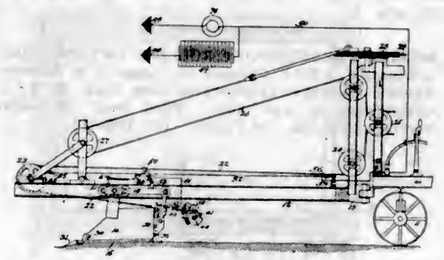
3. A dynamo electric machine comprising a multiple of four pole pieces, a winding on each of said pole pieces, connections between said windings for arranging said windings in the form of a Wheatstone bridge, means for applying direct current to one set of terminals of said bridge, and means for leading induced alternating current from the opposite pair of terminals of said bridge.

1,583,810. CABLE BRAKE MECHANISM. MELVIN STRINGER, Pottstown, Pa. Filed Sept. 9, 1925. Serial No. 55,247. 2 Claims. (Cl. 188—106.)



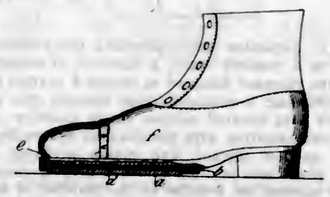
1. In a vehicle brake system of the class described, a cable having its free ends connected to the rear band brakes, pulleys upon said cable at opposite sides of the vehicle adapted to operate said cable when the emergency lever thereof is operated, and an intermediate pulley upon said cable adapted to operate said brakes when the emergency lever is operated.

1,582,811. EXCAVATOR. GEORGE T. STUBBLEBINE, Buffalo, N. Y. Filed Sept. 18, 1925. Serial No. 57,109. 8 Claims. (Cl. 214—102.)



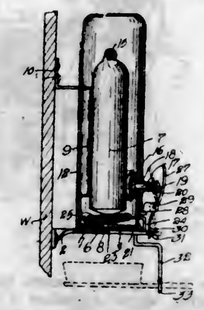
1. An excavator comprising a guideway, a scoop movable back and forth on said guideway and having a body provided with an outlet, a door for closing said outlet, and a locking device for holding said door in its closed position, and means for operating said locking device to release said door comprising an electric motor mounted on said body, and operatively connected with said locking device.

1,583,812. SOLE AND HEEL FOR BOOTS, SHOES, AND THE LIKE. ROBERT SURRIDGE, Jr., London, England. Filed Apr. 21, 1923. Serial No. 633,772. 2 Claims. (Cl. 36—14.)



1. The method of attaching a rubber sole to a leather shoe or the like, which comprises applying a cement solution consisting of rubber, carbon tetrachloride and trichlorethylene to the leather sole and to a vulcanizable surface of the rubber sole, allowing the cement to dry, pressing the so treated surfaces together, and permitting the heat and pressure from the wearer's foot to permanently vulcanize the rubber sole to the shoe.

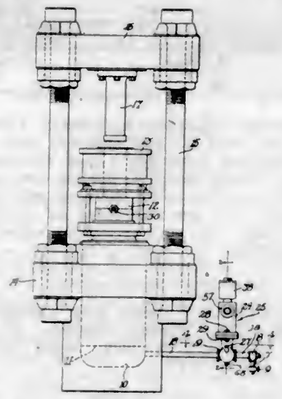
1,583,813. TOOTH-PASTE DISPENSER. WALTER G. THWAITES, Spokane, Wash. Filed Aug. 17, 1925. Serial No. 50,551. 4 Claims. (Cl. 221—60.)



1. The combination with a base having a discharge orifice and a slide gate and means for receiving a paste tube, of a removable cap and a pressure actuated device

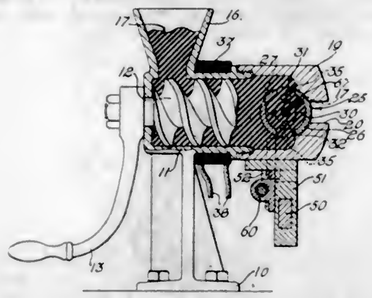
carried thereby for coaction with the tube, a lever supported on the base for co-action with said pressure actuated device and connections between said lever and slide gate.

1,583,814. PRESSURE-CONTROLLING DEVICE. HARRIS RAYMOND TILL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1924. Serial No. 738,959. 10 Claims. (Cl. 138—16.)



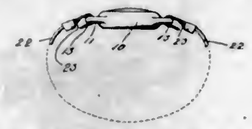
1. In a mechanism for controlling the pressure of a medium in a confined space, a chamber, a member movable in the chamber designed to isolate a portion thereof, means affording a communication between the confined space and said isolated portion of the chamber, a relief outlet communicating with the chamber externally of the isolated portion thereof, and means actuated by the medium when said medium exerts a predetermined pressure for moving the member in the chamber to associate the relief outlet with the isolated portion of the chamber and thus establish communication between the confined space and the relief outlet.

1,583,815. APPARATUS FOR APPLYING INSULATING COVERINGS ON ELECTRICAL CONDUCTORS. BRUNO MAX ALFRED TREBES, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 5, 1925. Serial No. 67,124. 6 Claims. (Cl. 18—13.)



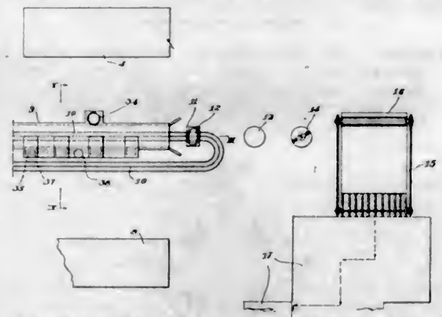
3. A machine for applying plastic insulation on an electrical conductor, which comprises a die designed to permit lateral insertion of the electrical conductor, means for forcing the plastic insulation into the die, means for holding the conductor and centering it with respect to the die, and means for moving the conductor relative to the die.

1,583,816. WATCH-BRACELET-END HOOK. LOUIS E. VALCOURT, Pawtucket, R. I., assignor to Louis Stern Co., Providence, R. I., a Corporation of Rhode Island. Filed June 16, 1925. Serial No. 37,558. 5 Claims. (Cl. 2—68.)



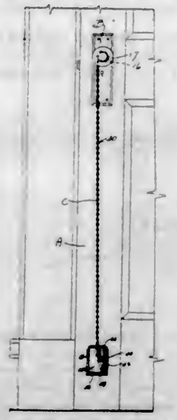
1. A watch bracelet end hook comprising a body member having a resilient hook-shaped end, a clamping member in said body member for gripping and holding the bracelet strap, said member also serving to restrict the hook opening whereby the watch ball must be snapped into and out of engagement with said hook.

1,583,817. APPARATUS FOR MAKING PLATE GLASS. WILLIAM G. WATSON, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Aug. 18, 1923. Serial No. 658,174. 2 Claims. (Cl. 49—3.)



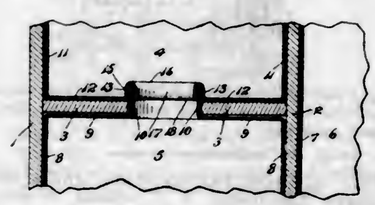
1. Apparatus for making plate glass comprising a pot melting furnace, a casting table, and a tunnel soaking kiln with its discharge end located at a point adjacent the casting table, and means for carrying the glass melting pots, containing the glass which has been melted and fined in the furnace through the kiln.

1,583,818. FOOT TRIP FOR DOOR LATCHES. THOMAS W. WHITE, Glenwood, Iowa. Filed Apr. 14, 1924. Serial No. 706,469. 5 Claims. (Cl. 292—171.)



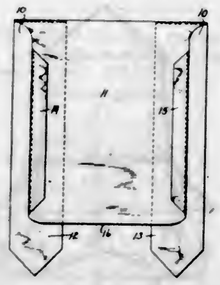
1. In combination with a door and its latch which includes a rotatable operating part, a member connected with the rotatable operating part including an open J-shaped hooked end, a chain including a link looped over said hooked end and circumferentially wound about the rotatable part of the latch, and a foot operated member movably connected with the door at the lower part thereof and connected with said chain.

1,583,819. REFRIGERATOR-FLUE CONSTRUCTION. WALTER H. WHITTIER, Grand Rapids, Mich., assignor to Grand Rapids Refrigerator Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 17, 1923. Serial No. 681,069. 3 Claims. (Cl. 62—89.)



1. In a refrigerator having an upper and lower chamber, a metallic lining for the upper chamber having an opening in its bottom and the metal surrounding the opening being turned upward to form a flange, a lining for the lower chamber having an opening in its top and the metal surrounding said opening being turned upward to form a flange which extends into the first named opening, and a continuous inverted channel member embracing and covering the edges of the first and second named flanges.

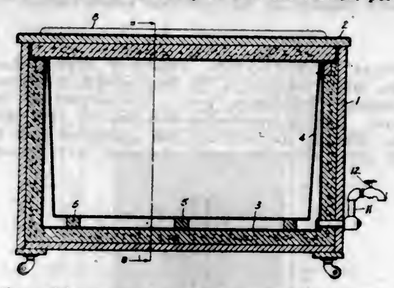
1,583,820. MATCH-HOLDER ATTACHMENT FOR PACKAGES OF CIGARETTES. LORENZO L. WILLIAMS, Milford, Conn. Filed Feb. 12, 1925. Serial No. 8,668. 3 Claims. (Cl. 206—81.)



1. A match-holder attachment for packages of cigarettes, comprising a strip of sheet-material doubled to form a front and a back, the back adapted to be entered into a package of cigarettes, and the front to overlie the outer face thereof, the side-edges of the front turned forward and inward to form flanges for the reception of the side-edges of a package of matches.

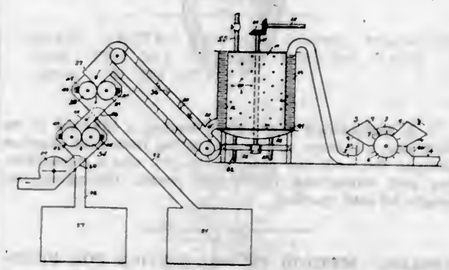
1,583,821. REFRIGERATOR. WILLIAM P. WILLSON, Arlington, Vt., assignor to William E. Kidder, Kalamazoo, Mich. Filed Aug. 20, 1923. Serial No. 658,473. 1 Claim. (Cl. 62—75.)

In a refrigerator, the combination with a box-like casing, a tank-like provision chamber supported within said casing with the bottom of the provision chamber in spaced relation to the bottom of the casing and its side walls in spaced relation to the side walls of said casing providing a refrigerant chamber surrounding said provision chamber, the side walls of said provision chamber being converged downwardly so that the vertical portions



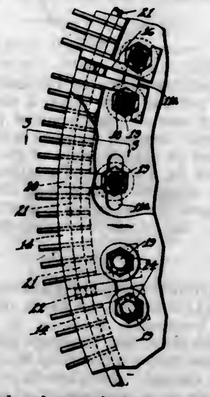
of the refrigerant chamber are tapered upwardly, and independent closures for said provision and refrigerant chambers.

1,583,822. MACHINE FOR BREAKING AND SOFTENING FEATHERS. SIMCHA YAFFE, now known as Sam Jaffe, Detroit, Mich. Filed Sept. 17, 1925. Serial No. 56,937. 8 Claims. (Cl. 19—170.)



1. In a machine for breaking and flattening feathers, means to moisten the feathers and break them, a pair of rolls and means to convey the feathers from the breaker to the rolls, said rolls being driven at different surface speeds so as to disintegrate the stalks of the feathers, a wiper contacting with each roll to prevent the feathers being carried around thereby, and means to adjust the wipers.

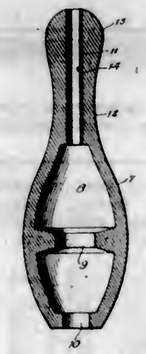
1,583,823. PICKER CYLINDER. HORACE G. ALEXANDER, South Londonderry, Vt. Filed May 5, 1925. Serial No. 28,209. 8 Claims. (Cl. 19—97.)



7. As an article of manufacture, a lag forming part of a picker cylinder, comprising a series of flat knives, each having a series of points thereon arranged longi-

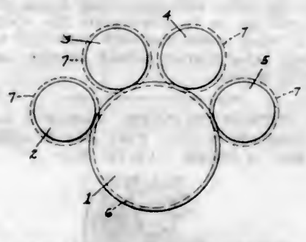
tudinally of the cylinder, said lag constituting a part of the surface of the cylinder, and removable individually without dismounting the individual knives thereof.

1,583,824. BOWLING PIN. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Original application filed Feb. 23, 1924, Serial No. 694,648. Divided and this application filed Feb. 12, 1925. Serial No. 8,622. 3 Claims. (Cl. 273—82.)



2. A composition bowling pin having a chamber in its body and a tubular opening extending from said chamber through the neck and head of the pin, and a strengthening and reinforcing metal tube seated throughout its length in said opening.

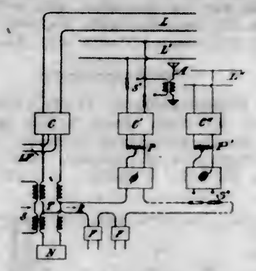
1,583,825. METHOD OF AND DEVICE FOR REGISTERING PRINTING PLATES. ARTHUR B. DAVIS, Springfield, Ohio. Filed Aug. 28, 1924. Serial No. 734,555. 11 Claims. (Cl. 33—184.5.)



8. In a registering device of the character described, a plurality of printing plate bases, a plurality of blocks carried by said base in predetermined position thereon, said blocks being arranged in pairs with the blocks of each pair located on opposite sides of the base, a straight edge, and means for holding said straight edge associated with any pair of blocks, each pair of blocks being so located with respect to the base as to position said straight edge along the line of the cross margins of the pages.

1,583,826. METHOD AND APPARATUS FOR BALANCING OUT RADIOINTERFERENCE ON WIRE LINES. RALPH W. DEARDORFF, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 16, 1922. Serial No. 537,050. 9 Claims. (Cl. 179—78.)

4. A high frequency wire signaling system subject to radio interference, a conductor that is exposed to the same radiation as said system, receiving branch circuits connected to said system and said conductor and means

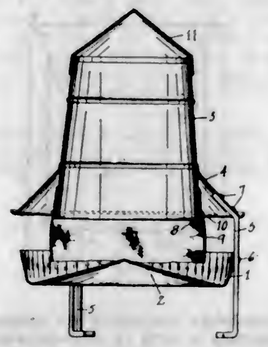


to apply electromotive forces in opposition corresponding to the radio reception in the said system and the said overhead conductor.

1,583,827. LOADING TRANSMISSION LINES. ESTILL I. GREEN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 18, 1925. Serial No. 57,193. 8 Claims. (Cl. 178—45.)

1. The method of loading a circuit for minimum attenuation at a given frequency which consists in increasing the capacity until the ratio of inductance to capacity of the circuit is substantially equal to the ratio of resistance to leakage conductance of the circuit at that frequency.

1,583,828. POULTRY FEEDER. IRA P. HAYES, Eckford, Mich. Filed May 22, 1925. Serial No. 32,031. 4 Claims. (Cl. 119—52.)

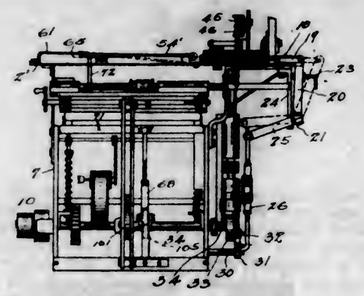


1. In a feeder, the combination of a pan, a hopper of a diameter less than that of the pan disposed with its lower edge substantially spaced from the pan, a downwardly flaring guard mounted on said hopper to overhang said pan and with its lower edge in spaced relation to the edge of the pan, legs secured to said pan and guard, and a flexible extension for said hopper depending freely into said pan.

1,583,829. WOODWORKING MACHINE. DONALD H. HERBERT, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 704,933. 4 Claims. (Cl. 144—5.)

1. The combination in a woodworking machine with its top and a hopper for a vertical stack of rails, of means for intermittently feeding the lowermost rails to form a

horizontal row, a transversely disposed suspended retaining plate for said row, a lever arm pivoted to said plate and springs engaging said arm for normally hold-

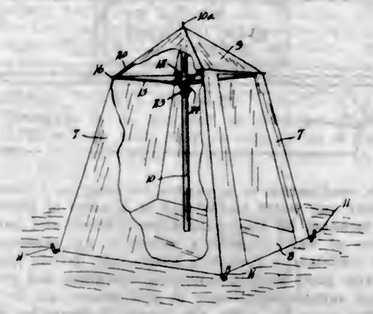


ing the plate in contact with said row of rails, a pivoted discharging arm for controlling the lateral movement of said row of rails, and means for actuating said arm to successively remove completed rails.

1,583,830. GOLF TEE AND TARGET. WILLIAM E. HICKS, St. Louis, Mo. Filed Oct. 26, 1925. Serial No. 64,719. 6 Claims. (Cl. 273—33.)

1. A tee comprising a strip of pliable material, lateral score lines thereon, flat portions at the ends of the strip adapted to be held together and a target formed at the flat portions.

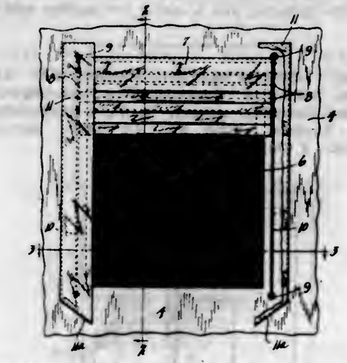
1,583,831. TENT STRUCTURE. CONRAD J. HOIGAARD, Minneapolis, Minn. Filed Feb. 18, 1925. Serial No. 9,998. 6 Claims. (Cl. 135—2.)



1. A tent structure comprising a support, a plurality of radially extending arms mounted thereon adapted to contact and project the corners of a tent, and resilient means for impelling the ends of said arms outwardly to yieldingly hold the corners of said tent in proper projected position.

1,583,832. TENT-WINDOW STRUCTURE. CONRAD J. HOIGAARD, Minneapolis, Minn. Filed Jan. 22, 1926. Serial No. 82,980. 7 Claims. (Cl. 135—14.)

1. A tent window structure comprising a flexible wall having a window aperture therein, a flexible curtain secured at the top of said aperture and extensible downwardly thereover, and a pocket at each side of said aperture within which the side edges of said curtain are

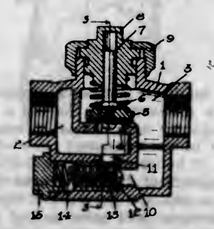


held, said pockets forming guides for said curtain and preventing the access of wind or rain through said aperture when said curtain is lowered.

1,583,833. CHUTE. ROBERT R. HOWELL, Minneapolis, Minn. Filed May 19, 1924. Serial No. 714,429. 4 Claims. (Cl. 193—27.)

1. A chute comprising a plurality of sections, one section being hinged at its discharge end to the receiving end of the next section for forming oppositely inclined sections when in delivering position, and means for lifting the sections successively from the lower end of the chute upwardly to shorten the length of the chute.

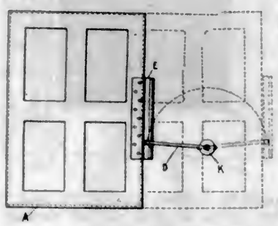
1,583,834. CHECK VALVE. HERBERT S. HUMPHREY, Kalamazoo, Mich. Filed June 6, 1922. Serial No. 566,326. 2 Claims. (Cl. 277—60.)



2. The combination of a valve casing having inlet and outlet passages and a main communicating port therefor, a return by-pass around said main port comprising a relief valve cylinder open at its inner end to said outlet passage and communicating with said inlet passage

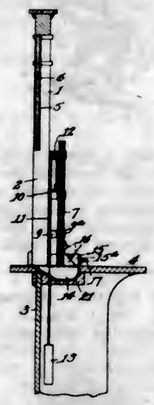
through a lateral port, a main check valve coacting with said main port, a cylindrical relief valve in said relief valve cylinder adapted when closed to lie across said lateral relief port of said by-pass and seat against the end of the cylinder, and a spring for seating said relief valve.

1,583,835. DOOR-OPERATING MECHANISM. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 12, 1923. Serial No. 631,702. 4 Claims. (Cl. 268—8.)



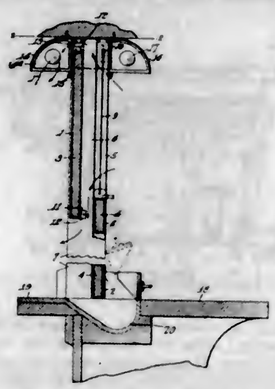
1. In a door-operating mechanism the combination with a door of an operating arm mounted to rotate upon a fixed axis, an open ended guide on one end of the door and positioned to pass said axis during movement of the door, and a pivoted traveler on the door arm movable along said guide and removable therefrom when the guide channel is opposite said axis.

1,583,836. BANDITPROOF WINDOW FOR BANK INCLOSURES. JOHN G. ICKIS, Adena, Ohio. Filed Jan. 13, 1925. Serial No. 2,216. 6 Claims. (Cl. 20—1.01.)



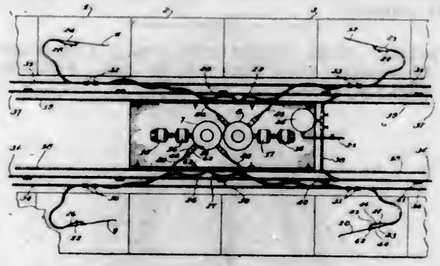
1. A window for bank inclosures, comprising, in combination with an inclosure wall having a window opening therein, a counter within said inclosure having its top substantially in the horizontal plane of said opening, a window pane of bullet proof glass located across said opening at a substantial distance rearward of the plane of said wall whereby are provided a top and opposite lateral voice passages, said pane having its lower edge located approximately in the plane of the top of said counter, a transverse trough in said counter affording a passageway beneath said pane, and a shiftable guard normally overlying the counter adjacent to the edge of said trough.

1,583,837. WINDOW FOR BANK INCLOSURES. JOHN G. ICKIS, Adena, Ohio. Filed June 22, 1925. Serial No. 38,720. 3 Claims. (Cl. 20—1.01.)



1. In a window for bank inclosures, a lower sash carrying a bullet-proof glass pane, said sash being normally disposed in closing relation to the lower part of the window opening, an upper sash mounted in said opening with its upper edge spaced from the top of the latter to provide an intermediate horizontal voice passage, said upper sash being also disposed with its lower edge occupying a level materially lower than that of the upper edge of the lower sash and at a distance in front of the latter to provide an intermediate vertical voice passage.

1,583,838. PLASTER-GUN APPARATUS. JOHN F. JOHNSON, Bellevue, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 10, 1925. Serial No. 36,136. 2 Claims. (Cl. 41—44.)

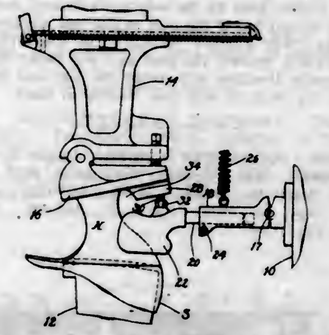


1. In combination in apparatus for applying a mixture of plaster and water to the tops of a series of grinding tables mounted for movement along a track, and having a source of water supply, a source of air pressure, a plaster container, a hydrating nozzle, and flexible plaster and water pipes leading from said container and source of water supply respectively to said nozzle; an air line extending along the track and having a connection with said source of air supply, a valve in the plaster pipe having air operated closer means, a pair of connections from said air line, the first of which leads to and operates said closure means, and the second of which leads to said container at the inlet end of the plaster pipe, and a valve arranged to control the flow of air from said air line to the pair of connections, such valve in one position permitting a flow of air through the first connection and cutting off the supply to the second one, and in its other position permitting a flow of air through the second connection and cutting off the supply to the first one.

1,583,839. METHOD OF MANUFACTURING HOLLOW CHOCOLATE ARTICLES. WILLIAM E. JOHNSTON, Pittsburgh, Pa. Filed May 7, 1924. Serial No. 711,647. 2 Claims. (Cl. 107—54.)

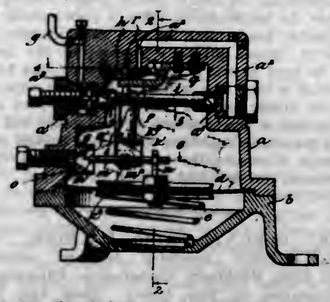
2. The method of making hollow confections, which consists in coating an inflated elastic form with melted confection material, in supporting the coated form before the coating has entirely hardened in such manner that the coating will run downwardly therefrom to form a base and then in deflating and removing the form from the confection after the same has hardened.

1,583,840. HEEL-ATTACHING MACHINE. RICHARD MARMADUKE JONES, Northampton, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 2, 1924. Serial No. 723,732. 15 Claims. (Cl. 1—32.)



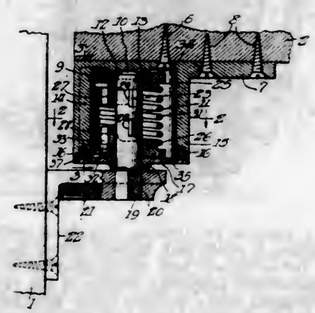
1. In a heel-attaching machine, a plurality of movable pressure-applying means for contact with a heel to be attached, and means acting in the operation of the machine and arranged to cause the pressure-applying means to approach the heel from different directions.

1,583,841. SIGNAL FLASHER. GUSTAV V. KARLSON, Elizabeth, N. J., assignor to Interflash Signal Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,643. 15 Claims. (Cl. 67—111.)



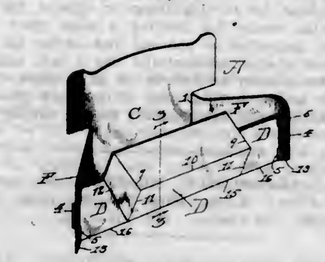
1. In a gas signal flasher for a plurality of burners, a pressure chamber, inlet and outlet valves to control the flow of gas to and from said pressure chamber, valve means to control the flow of gas to the respective burners from the pressure chamber, a diaphragm movable by the gas, and means operatively interconnecting the diaphragm with all the valves for operation thereof in predetermined sequence.

1,583,842. SPRING HINGE. WILLIAM J. KEENE, Chicago, Ill., assignor to Chicago Spring Butt Company, Chicago, Ill., a Corporation. Filed Oct. 10, 1921. Serial No. 506,738. 2 Claims. (Cl. 16—182.)



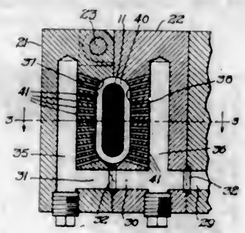
1. In a spring hinge, a bracket adapted to be secured to a support, a casing adapted to be secured to a swinging element and having a ball bearing at the top, a stem pivoted in the bearing in the casing and having its lower end seated in the bracket on the support and held against turning movement, diametrically opposite and oppositely facing abutments on the stem, the casing having an internal rib, collars loosely engaged on the upper and lower portions of the stem and each provided with a flange having a groove therein and terminating in oppositely facing shoulders adapted to engage the abutments, the collars each having a lateral projection facing in opposite directions to engage opposite sides of the rib, and a coil spring extending between the collars and having its ends bent inwardly to engage the grooves and hold the shoulders against said abutments, as and for the purpose described.

1,583,843. DISPLAY CARD. CHARLES B. KELLOGG, Chicago, Ill. Filed Feb. 29, 1924. Serial No. 695,878. 4 Claims. (Cl. 40—126.)



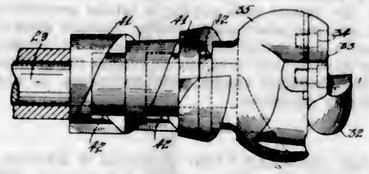
2. A display device made from a single blank comprising a back member, a front member, side members connected to the back member adapted to be bent forwardly to contact with the front member, and a diagonally disposed intermediate member hingedly connected to the back member and provided at its front margin with two laterally separated parts hingedly connected to the top of the front member.

1,583,844. MECHANISM FOR TREATING CABLES AND STRANDS. FREDERIC S. KOCHENDORFER, River Forest, and HELMER J. BOE, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Dec. 7, 1921, Serial No. 520,712. Divided and this application filed Feb. 7, 1922. Serial No. 534,806. 4 Claims. (Cl. 91—59.)



1. In a machine for treating strands or cable, a container holding a liquid bath through which the article is adapted to be drawn, and means adapted to be positioned around the peripheral surface of the article comprising complementary sections each provided with a plurality of air channels adapted to direct air blasts against the peripheral surface of the article and in a direction opposite to that in which the article is moved, one of said sections being movable into and out of an inoperative position with respect to the other.

1,583,845. MACHINE FOR TURNING IRREGULAR OBJECTS. HENRY F. LOEWER, Rochester, N. Y. Filed Aug. 20, 1920. Serial No. 404,789. 7 Claims. (Cl. 142—15.)

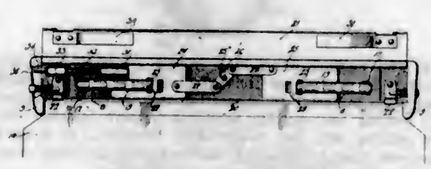


1. A machine for turning irregular objects, the combination with means for turning a work piece, of a cutting tool supported at one end and having its other end free and shaped substantially like a ball, said tool being rotatable about an axis at an angle other than a right angle to the turning axis of the work piece and having right and left hand spirally formed cutting edges thereon.

1,583,846. AUTOMOBILE HEATER. WILLIAM C. MASON, Albany, N. Y. Filed Nov. 30, 1920. Serial No. 427,403. 12 Claims. (Cl. 257—136.)

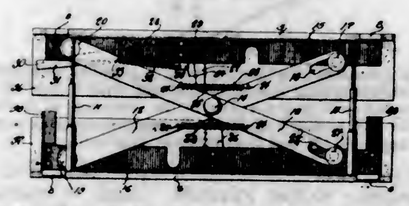
1. In a heater, a metal drum, means for passage of heating medium into the drum, and chambered head-pieces for the ends of the drum provided with means for passage of heating medium from the drum into the head-pieces and outlets located between the opposite ends of the head-pieces and communicating with the chambered space of the head-pieces for passage of heating medium therefrom.

1,583,847. LOOSE-LEAF BOOKLET. HENRY C. MILLER, Milwaukee, Wis. Filed Jan. 28, 1922. Serial No. 532,373. 12 Claims. (Cl. 129—41.)



1. A loose leaf binder including a pair of binder heads, a flexible post connected with one head and passed into the other head to extensibly lie therewithin, an elongated plate member slidably mounted in the last mentioned head, said plate being of sufficient width to be guided in said binder head by the side walls thereof, means connecting the portion of the post in the last mentioned head with the plate whereby movement of the plate in one direction will retract the post and movement thereof in the opposite direction will extend the post, and means for moving the plate in said last mentioned head.

1,583,848. LOOSE-LEAF BINDER. HENRY C. MILLER, Milwaukee, Wis. Original application filed Oct. 30, 1922, Serial No. 597,971. Divided and this application filed Sept. 10, 1923. Serial No. 662,022. 1 Claim. (Cl. 129—13.)

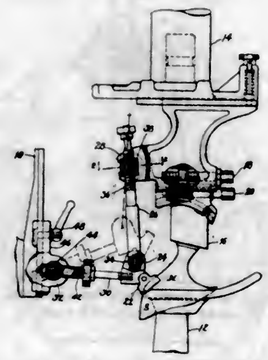


A loose leaf binder, comprising a pair of binder heads, means connecting the binder heads, means tending to normally urge the binder heads apart, a rack member carried by one binder head, teeth on said rack member, a bell-crank lever, means pivotally connecting the bell-crank lever at its apex to said other binder head, said bell-crank lever having a long arm with its outed end adjacent one side of the binder and its other end positioned adjacent said rack, and a pawl formed on said other end of said bellcrank lever an adapted to selectively engage the teeth of the rack to secure the binder head in any position of adjustment against said urging means.

1,583,849. HEEL-ATTACHING MACHINE. WILFRID THOMAS MINETT, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 2, 1924. Serial No. 723,687. 11 Claims. (Cl. 1—32.)

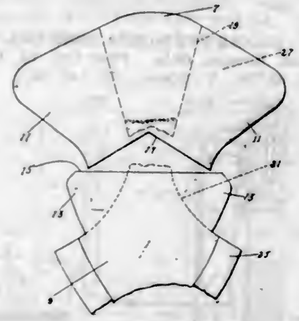
1. In a heel-attaching machine, a plurality of movable pressure-applying means for contact with a heel to be

attached, a member for connecting one of said pressure-applying means to the other to cause its movement,



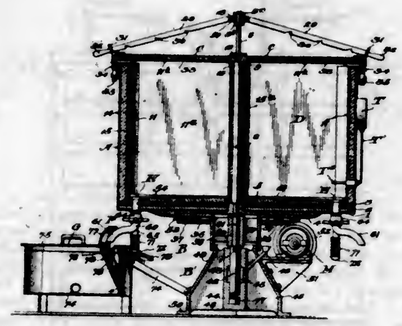
and a member connecting the pressure-applying means thus moved to a relatively fixed point to modify its movement.

1,583,850. MANUFACTURE OF FOOTWEAR. CHARLES H. MORRILL, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1920. Serial No. 417,711. 8 Claims. (Cl. 12—142.)



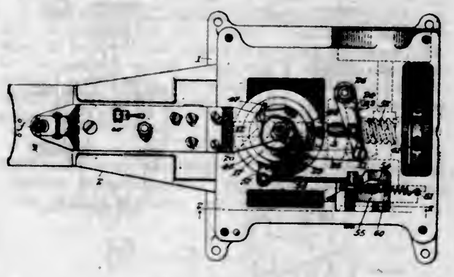
1. The method of manufacturing an overshoe which comprises making the front portion which covers the forward portion of the leg and the forward portion of the foot of the wearer in two sections having edges located at about the level of the ankle and designed to be joined, the edge of one section having a given outline and the edge of the other section having a different outline such that by distorting the last-named edge in the direction of its length a fullness is produced in said last-named section, and said last-named edge is caused to assume the outline of the first-named edge, so distorting the last-named edge, joining the edges and completing the manufacture of the overshoe including subjecting it to vulcanization.

1,583,851. MILK-PASTEURIZING APPARATUS. CORNELIUS MORTENSEN, Louisville, Ky. Filed Mar. 12, 1925. Serial No. 15,126. 27 Claims. (Cl. 137—2.)



21. In a milk pasteurizing apparatus, a stand, a receptacle rotatably supported on said stand, and having a plurality of individual holding compartments, a separate automatic outlet valve for each compartment, a receiver, and cam means carried by the stand for operating the automatic outlet valves as they reach the position of the receiver.

1,583,852. MACHINE FOR SEWING ON BUTTONS OR FASTENERS. GEORGE W. NELSON, Cleveland, Ohio, assignor to The Standard Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 7, 1923. Serial No. 637,232. 6 Claims. (Cl. 112—112.)

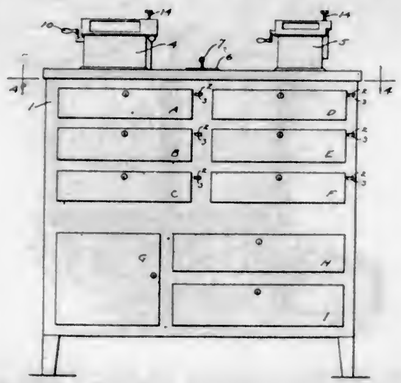


1. In a machine of the class described, the combination with a work-holder, of means for operating the same to successively present different points of the supported work to the stitching mechanism, said means comprising co-operating pawl and ratchet members, and automatic means for rendering said pawl member ineffective to drive the ratchet member at a predetermined time prior to the stopping of the machine.

1,583,853. COMBINED CASH DRAWER AND AUTOGRAPHIC REGISTER. GEORGE J. NETH, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 13, 1922. Serial No. 543,276. 14 Claims. (Cl. 235—22.)

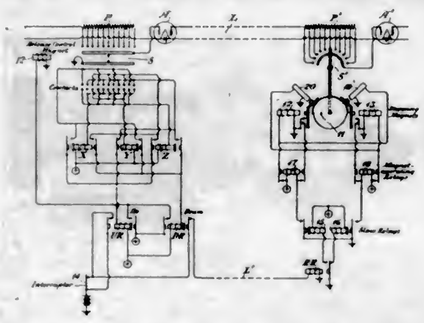
3. In combination, an autographic register, a cabinet upon which said register is mounted, a plurality of cash drawers therein, selector mechanism for selecting a given cash drawer for operation, locking mechanism for locking the cash drawers in said cabinet, actuating mechanism for unlocking said locking mechanism of any given

cash drawer without unlocking the other cash drawers when said autographic register is operated, means on said autographic register for independently operating any



cash drawer selected and unlocking it without operating the remainder of the cash drawers at the will of the operator, and means for restoring the selector mechanism to normal position upon the closing of the drawer.

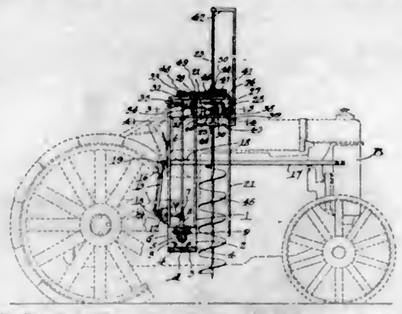
1,583,854. VOLUME-CONTROL APPARATUS. DONALD B. PERRY, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 16, 1925. Serial No. 56,763. 4 Claims. (Cl. 178—44.)



1. In a volume control system, a potentiometer at the transmitting station, and a potentiometer at the receiving station, a controlling switch for adjusting one of said potentiometers, means to transmit dots to the distant station when no adjustment is being made, and means to transmit a closed circuit dash to the distant station when an adjustment is made in one direction, and means at the distant station responsive to the closed circuit dash to produce a corresponding adjustment of the potentiometer at that station.

1,583,855. POSTHOLE DIGGER. MARLYN WARD REYNOLDS, Altona, Ill. Filed Nov. 21, 1924. Serial No. 751,311. 2 Claims. (Cl. 255—22.)

1. A post hole digging attachment for tractors and the like including a frame, a rack slidably mounted relative thereto, a gear meshing with the rack and movable out of mesh therewith at the ends of the rack, a rotatable auger movable with the rack, means for actuating the auger, means operated by the actuation of the auger for driving the rack engaging gear to shift the gear longi-

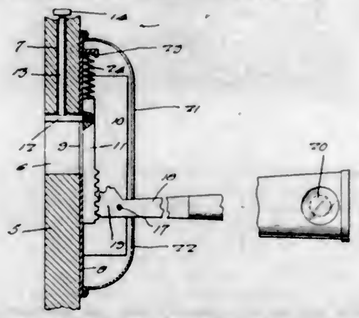


tudinally in either direction, and yielding means for lifting the rack into mesh with its operating gear when said gear is actuated to elevate the rack.

1,583,856. DIRECTION SIGNAL. JAMES G. ROSS, Seattle, Wash., assignor of one-half to William R. Scott, Seattle, Wash. Filed Nov. 21, 1923. Serial No. 676,115. 4 Claims. (Cl. 116—50.)

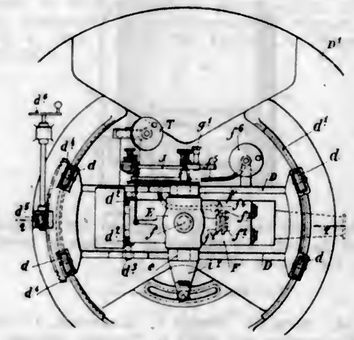
1. A direction signal including a casing, indicators shiftable longitudinally within the casing to project at the ends thereof, rollers journaled within the casing and bearing against opposite side faces of the indicators whereby to confine the indicators to rectilinear paths, and yieldable wedging members on the indicators between some of the rollers adapted to engage said rollers whereby to limit the longitudinal movement of the indicators.

1,583,857. SIGNAL FOR MOTOR VEHICLES. FRED W. SCHALLER, Rawson, Ohio. Filed Oct. 16, 1925. Serial No. 62,774. 2 Claims. (Cl. 116—47.)



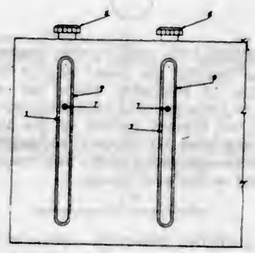
1. In combination, an automobile body provided with an opening and a passage leading from the opening, a pin movable in the opening, a rod attached to the pin and movable through the passage, a plate on the body having an opening registering with the opening of the body, a rack bar movably mounted on the base plate and connected with the pin, a spring normally holding the rack bar in a predetermined position, a pivoted arm having a rack segment meshing with the rack bar so that upon operation of the rod, the pin will be moved to actuate the rack bar and thereby swing the signal arm and the spring is adapted to return the signal arm to its normal position.

1,583,858. GUN-MOUNTING LAYING AND SIGHTING ARRANGEMENT FOR ARTILLERY ON AEROPLANES. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Mar. 14, 1923. Serial No. 625,041. 9 Claims. (Cl. 33—48.)



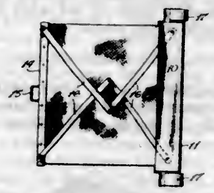
1. In combination with an aeroplane, a platform, a frame rotatable thereon, a gun cradle supported for universal movement in said frame, a gun carried by said cradle, means for elevating the gun, means for training the gun, sighting apparatus for the gun including an optical objective, means for imparting the angular movement of the gun to the sighting apparatus, and means for preliminary angular displacement of said objective relative to the axis of the gun including means for effecting a deviation corresponding to the altitude of the gun, and means for effecting a deviation corresponding to the longitudinal action of the wind.

1,583,859. STORAGE BATTERY. FRED L. SEARS, Nicholasville, Ky. Filed Apr. 7, 1924. Serial No. 704,658. 1 Claim. (Cl. 136—182.)



The combination with a conventional battery receptacle having opaque walls adapted to contain a battery solution, said receptacle having a pair of spaced openings in one of said walls, an attachment detachably secured to said receptacle, said attachment having a vertical transparent portion disposed exteriorly of and entirely independent of one wall of the receptacle, said vertically transparent portion near each end thereof being turned inwardly and adapted to enter the spaced openings in the wall, securing nuts for uniting said inturned ends to the battery wall, the ends of said vertical transparent portion being open to permit the entrance of the battery solution into said transparent portion to indicate the level thereof, and a hydrometer mounted in said vertical transparent attachment for designating the strength of the battery solution.

1,583,860. GLARE SHADE FOR MOTOR VEHICLES. EDWARD LOUIS SIMMONS, New Haven, Conn. Filed Mar. 27, 1923. Serial No. 628,106. 1 Claim. (Cl. 296—97.)

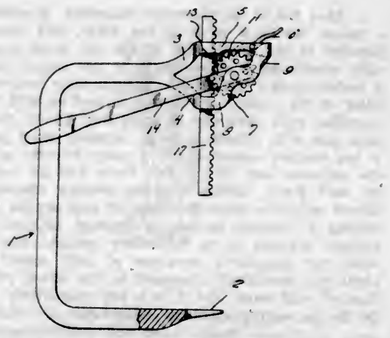


A glare shade for motor vehicles including an open sided casing, a roller journaled in said casing, a curtain wound upon said roller and adapted to be drawn off the roller through the open side of the casing to an extended position, a binding strip secured along the free end of said curtain, a pair of downwardly converging links disposed at the rear of said curtain and having their lower ends pivotally connected and their upper ends pivotally secured to the rear wall of the casing and the upper end of the binding strip respectively, and a pair of upwardly converging links pivotally connected at their upper ends and extending in crossed relation to the first-mentioned links but entirely disconnected therefrom and together with the first-mentioned links forming a substantially diamond-shaped reinforcement for the intermediate portion of the curtain when said curtain is in an extended position, the lower ends of the upwardly converging links being pivotally secured to the rear wall of the casing and lower end of the binding strip respectively.

1,583,861. METHOD OF MAKING EMBOSSED PRINTING. ARTHUR L. SMITH, St. Paul, Minn. Filed Dec. 7, 1923. Serial No. 679,272. 6 Claims. (Cl. 101—28.)

1. The method of making embossing dies which consists in printing on the blanket of a press, placing a sheet of paper in the press and printing the same, coating the wet ink on the sheet with a powder which will harden, and forming the female die from a blotter into which the hardened powder on said sheet has been impressed.

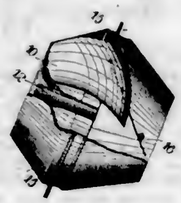
1,583,862. VALVE-SPRING LIFTER. CLARENCE E. SMITH, Wesleyville, Pa. Filed Feb. 18, 1925. Serial No. 10,013. 1 Claim. (Cl. 29—86.3.)



A valve spring lifter comprising a yoke, means carried by one arm of the yoke for cooperation with a valve spring, means carried by the other arm for bodily lifting said yoke with respect to a motor, said means comprising a toothed rack bar and a pinion having its teeth in mesh with the teeth of said rack bar, said pinion being rotatably mounted and provided with a

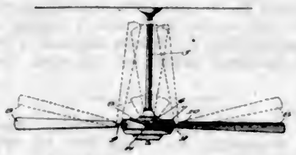
circular series of spaced holes, and a laterally-movable operating lever for rotating, said pinion, said lever being provided with taper studs removably disposed in said holes, and spring means backing said lever and yieldingly holding the same to its work with the taper studs in the sockets of the pinion.

1,583,863. CONCRETE AND LIKE MIXER. JOSEPH TEMPERLEY, Hove, England. Filed June 6, 1925. Serial No. 35,466. 3 Claims. (Cl. 83—73.)



1. A mixer of the type adapted to rotate about an inclined axis during the mixing operation, comprising a drum having a frustoconical upper wall part provided with a charging and discharging mouth, and a dished lower part connected to the frustoconical part and forming a closed bottom wall of the drum, and vanes connected to the inner wall of the drum and extending spirally upwardly from the bottom of the drum, the lower ends of the vanes extending inwardly to the axis of the drum for forming a partition across the bottom of the drum.

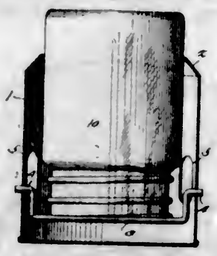
1,583,864. FAN. ARTHUR WALLACE TUCKER, San Antonio, Tex. Filed Mar. 12, 1925. Serial No. 15,089. 3 Claims. (Cl. 230—1.)



1. In a fan of the character described, in combination, a motor having a rotor, a fan blade, and means independent of the motor and of the fan blade for adjustably connecting the fan blade to the motor comprising a motor bracket including a base directly secured to the rotor of the motor, spaced ears formed on said base and provided with centrally disposed and alined pivot bearings and with alined openings adjacent their periphery, a fan bracket consisting of a plate directly secured to the adjacent end of the fan blade and an ear formed on said plate, having a pivot bearing adapted to be alined with the pivot bearings of said spaced ears and having a circular series of openings adjacent its periphery adapted to be selectively brought into register with the peripheral openings of said spaced ears, a pivot pin operatively arranged in the alined pivot bearings of said ears, and a lock pin operatively arranged in the registering openings of said ears.

1,583,865. DRINKING FOUNTAIN. CLARENCE WILLIAMS, Reeds, Mo. Filed July 31, 1925. Serial No. 47,324. 1 Claim. (Cl. 119—77.)

In a fountain of the class described, a tank including a body portion having straight side walls terminating in inwardly extended upper ends, a rod having upwardly and outwardly extended ends, said tank having openings to receive the outwardly extended ends of the rod; and a jar having its open end resting on the rod at a

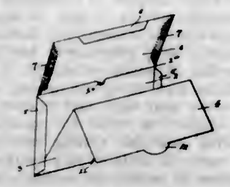


point below the ends of the rod, and the straight side walls of the body portion having openings to permit access to the interior thereof.

1,583,866. PICKER. HENRY C. BAUSINGER, Jr., GEORGE W. FAULKENER, and JOHN O. TURNER, Bucyrus, Ohio. Filed May 15, 1925. Serial No. 30,641. 2 Claims. (Cl. 139—159.)

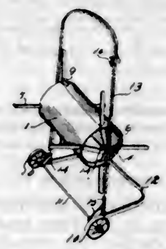
1. An attachment for picker sticks comprising a plate, a support carried by the lower end of the plate, the opposite edges of the plate above the support being notched, a cuff arranged to engage the picker stick adapted to fit in the notched portion of the plate, a casing adapted to rest upon the support, means connecting the casing with the cuff, and a buffer pad detachably and removably fitted within said casing.

1,583,867. MAILING FOLDER. CHARLES L. BENEDICT, Toronto, Ontario, Canada. Filed Jan. 4, 1924. Serial No. 684,408. 6 Claims. (Cl. 229—92.1.)



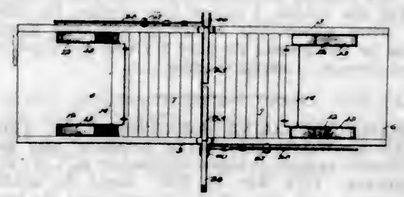
1. A mailing folder including a main body portion consisting of a plurality of foldable sections, end flaps integral with one of said sections, a sealing flap also integral with said section and having an alternating sealing flap on one edge thereof, and means at the longitudinal extremities of the main body portion whereby said envelope may be pulled open without cutting.

1,583,868. REEL. BRUNO A. BERGER, Richmond, Va., assignor to Berger Specialty Manufacturing Company, Inc., Richmond, Va., a Corporation of Virginia. Filed July 2, 1925. Serial No. 41,198. 7 Claims. (Cl. 242—87.)



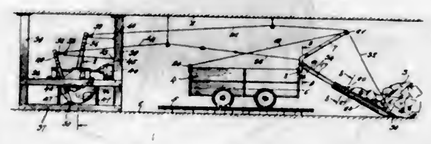
1. In a device of the character described, a reel formed of a flat sheet of metal adapted to be rolled to form a cylinder, the ends of said sheet being provided with seams adapted to be interlocked when assembled, said cylinder being provided with diametrically opposed slots adjacent each side, and cross arms passing through said slots, said cross arms being adapted to retain said seams in locked position, and being further provided with projecting portions serving as guides.

1,583,869. GATE. FRANCIS HARPER BOYER, De Quincy, La. Filed Sept. 27, 1924. Serial No. 740,357. 2 Claims. (Cl. 39—18.)



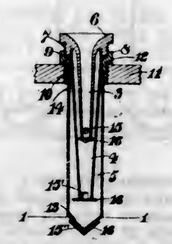
1. A gate construction comprising a platform having stationary horizontal end sections and a pair of intermediate sections mounted to swing downwardly at their inner ends from the plane of the stationary sections, gravity means tending to hold said swingable sections of the platform in the plane of the stationary end sections, a pair of coupling members secured to the inner end portions of said swingable platform section, said coupling members having overlapping portions at their inner ends formed with alined longitudinal slots, a rod extending through said alined slots transversely of the platform and cooperating with said lapped portions of the coupling members to provide a loose connection between the inner ends of said swingable platform sections, said rod being movable vertically with the inner ends of the swingable sections of the platform, a pair of swingable cooperative gate members supported upon said platform, said gate members being adapted to swing vertically from horizontal position across the platform to substantially vertical position at opposite sides of the platform, weighted members extending beyond the outer ends of said gate members, and links connecting said weighted members with the ends of said rod, whereby downward swinging movement of the inner ends of said swingable platform sections will swing said gate members to vertical position, a rock shaft supported beneath said rod in parallel relation to the latter, a stop member carried by said rock shaft positioned to engage with the rod and to prevent downward movement of said rod, and manually operable means extending above the level of said platform for rocking said rock shaft to swing said stop member out of position to engage said rod.

1,583,870. MECHANICAL SHOVEL. IESTYN M. CHARLES, Golden, Colo. Filed Jan. 18, 1926. Serial No. 81,960. 4 Claims. (Cl. 214—78.)



1. A shoveling and loading device for loading material into a car, comprising, in combination, a head frame adapted to be secured to the sides of a car, a shoveling and elevating mechanism comprising two telescopically connected members, one of which has one end pivotally connected with the head frame, means for extending said members, and means for oscillating said members about the pivot.

1,583,871. VENT PLUG FOR ELECTRIC ACCUMULATORS AND THE LIKE. ALBERT LEWIS DAVIS, London, England, assignor to Pritchett & Gold & E. P. S. Company Limited, London, England, a British Company. Filed Feb. 13, 1922. Serial No. 536,218. 10 Claims. (Cl. 136—177.)



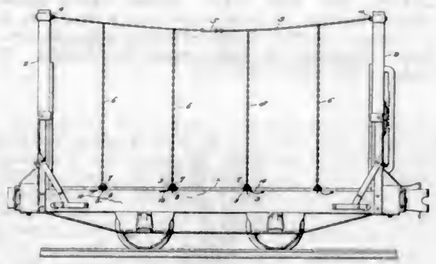
1. A valveless vent plug and unspillable device for electric accumulators and other liquid containers, comprising a tubular member that is secured fluid-tight to the wall of the container, extends into the container, has a port at its inner end, and has at its outer end an unobstructed main vent, which member is of such dimensions and is so placed, and has its port so arranged in relation to the container and to the quantity of liquid therein that its said port is always situated above

the level of the liquid whatever position the container takes up, in combination with a casing in the container and surrounding the part of said tubular member therein, said casing extending beyond the inner end of the latter and having two ports, one or other of which is always above the level of the liquid.

1,583,872. MOSQUITO NET. DANIEL W. DAVIS, Beaumont, Tex. Filed Nov. 3, 1925. Serial No. 66,614. 4 Claims. (Cl. 2—4.)

1. A mosquito netting or shield for personal wear including a head frame, comprising a head band, a head ring, and a series of radial tapes connecting the head band and head ring, both said band and said ring being adjustable for the purposes set forth.

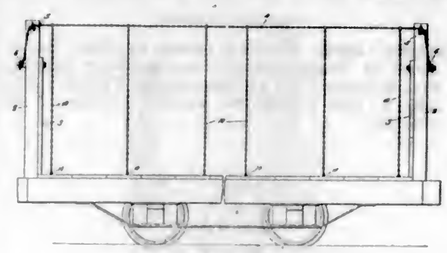
1,583,873. CANE CAR. ROBERT FRICKE, Waipahu, Territory of Hawaii, assignor of one-fourth to Ernest W. Greene, Waipahu, Oahu, and one-fourth to William G. Hall, Honolulu, Territory of Hawaii. Filed Oct. 5, 1925. Serial No. 60,628. 6 Claims. (Cl. 105—369.)



1. A car for transporting sugar cane and the like having end walls and open sides above the platform, longitudinal flexible members extending between and connected to the upper corners of the end walls and having releasable couplings intermediate their lengths, and pendant flexible members extending between and connected to the longitudinal members and the platform.

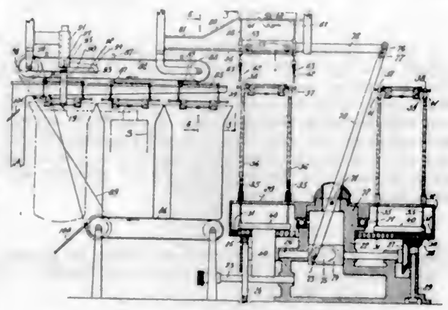
1,583,874. CANE CAR. ROBERT FRICKE, Waipahu, Territory of Hawaii, assignor of one-fourth to Ernest W. Greene, Waipahu, Oahu, and one-fourth to William G. Hall, Honolulu, Territory of Hawaii. Filed Oct. 5, 1925. Serial No. 60,629. 8 Claims. (Cl. 105—367.)

1. A car for transporting sugar cane and the like having end walls and open sides above the platform, longitudinal flexible members extending between and around the upper portions of the end walls and having releasable couplings adjacent the end walls, and spaced



transverse flexible members connected at their ends to said longitudinal members and forming pendant loops the lower portions of which overlie the platform.

1,583,875. BAG-HANDLING MECHANISM. MICHAEL V. GIONO, Yonkers, N. Y. Filed June 2, 1923. Serial No. 642,942. 29 Claims. (Cl. 226—53.)

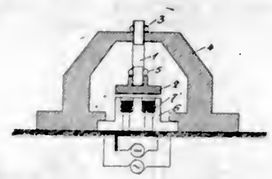


1. Bag handling mechanism comprising means for supporting and holding a bag in open position for filling and means subsequently engageable with said holding means for transporting the filled bag with the upper end closed through a sewing machine.

1,583,876. SUBMARINE SOUND-SIGNALING APPARATUS. WALTER HAHNEMANN, Kitzeberg, near Kiel, Germany, assignor to Signal Gesellschaft m. b. H., Kiel, Germany. Filed Mar. 24, 1921. Serial No. 455,319. 7 Claims. (Cl. 181—0.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

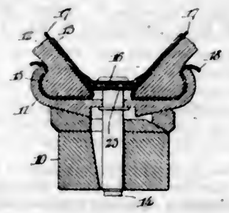
7. In sound signaling apparatus comprising a plurality of vibratory structures each including a plurality of masses connected by an elastic member, a lever having a point thereof of relatively small amplitude of motion connected to a mass of one structure and a point of relatively large amplitude of motion connected to a mass of another structure, the other mass of the last-named structure being freely vibratable, the masses connected by the lever forming a composite mass, and the square of the ratio of transformation of the lever multiplied by the ratio of the freely vibratable mass to the composite mass being at most equal to 1.

1,583,877. METHOD OF TESTING MATERIALS. WALTER HAHNEMANN, Kitzeberg, near Kiel, ALARD DU BOIS-REYMOND, Plon, near Kiel, ERICH ROTHER, WILHELM RUDOLPH, and GUSTAV WOLFF, Kiel, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Filed Aug. 23, 1921. Serial No. 494,575. 13 Claims. (Cl. 265—13.)



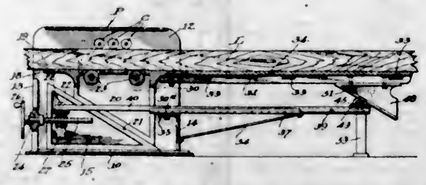
1. The method of testing materials, which comprises exciting a vibratory structure to vibrations in its natural frequency; causing the vibrations of the said structure to be imparted to a test-piece of the material to be tested; and observing the number and amplitude of vibrations of the vibratory system represented by the said vibratory structure together with the test-piece.

1,583,878. TIRE PATCH. CHARLES V. HALL, Washington, D. C. Filed Aug. 30, 1924. Serial No. 735,077. 6 Claims. (Cl. 52—24.)



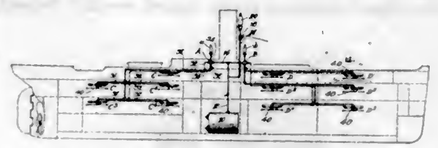
2. In a device of the class described, a patch adapted to be inserted in a tire between the inner tube and the casing thereof, a spreader adapted to engage the said patch and to force the same against the walls of the casing, and projections on the outer surface of the spreader to bite into said patch.

1,583,879. TABLE-ADJUSTING DEVICE FOR PLANERS AND THE LIKE. WILLIAM I. HALLOCK, Culver City, Calif., assignor of one-half to John E. Behme, Eagle Rock City, Calif. Filed July 19, 1924. Serial No. 726,994. 6 Claims. (Cl. 144—129.)



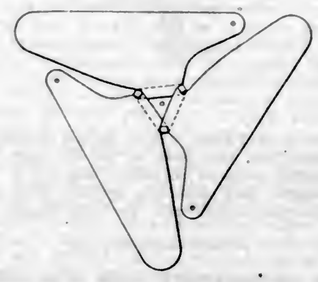
1. A planer having a table, means forming an inclined surface upon the under side of said table, a slidable wedge engaging said inclined surface, means for sliding said wedge to raise and lower said table, an auxiliary table detachably secured to said table, means forming inclined surfaces upon the under side of said auxiliary table, means engaging said inclined surface and supporting said auxiliary table, and means for actuating said means so as to raise and lower said auxiliary table.

1,583,880. FIRE-EXTINGUISHING APPARATUS. JOHN G. HARROLD, Newark, N. J. Filed Jan. 18, 1923. Serial No. 613,552. 3 Claims. (Cl. 169—5.)



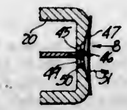
1. A fire extinguishing apparatus including in combination a plurality of units each having a discharge outlet and a secondary valve responsive to pressure changes of a fire extinguishing fluid and controlling the passage of said fluid through said outlet, a master valve responsive to a pressure decrease of the fire extinguishing fluid connected by a duct to the secondary valve and means including a member responsive to temperature changes adapted to unbalance the pressure between the secondary and master valves.

1,583,881. PINWHEEL. JOHN HEBERLING, Rochester, N. Y. Filed Dec. 19, 1924. Serial No. 756,905. 16 Claims. (Cl. 46—14.)



1. A pin wheel having a rigid center, flexible blades fastened to said center, each of said blades being individual and being cut as a blank separate from the remaining blades, each blade having a perforated tip which tips are curved over the center and held together in front of it to conceal it.

1,583,882. TELEPHONE RECEIVER. WILFRID HEUSSER, Salt Lake City, Utah. Filed Apr. 14, 1923. Serial No. 632,080. 7 Claims. (Cl. 179—119.)

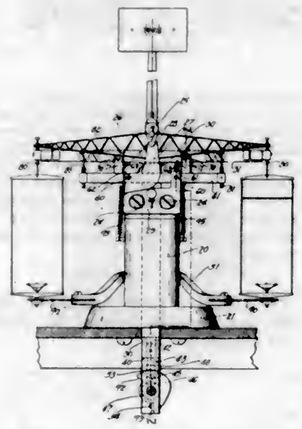


1. A sound emitting element, an oscillating armature arranged to actuate said element, a knife-edged bearing for said armature, and a tensioned spring for holding the armature against the said bearing, said spring comprising a wire acting in the plane of the armature.

1,583,883. CENTER COLUMN WITH APPURTENANCES FOR PRECISION BALANCES. WILFRID HEUSSER, Salt Lake City, Utah. Filed July 18, 1925. Serial No. 44,480. 10 Claims. (Cl. 265—54.)

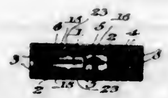
1. A column, a beam bearing support fixed thereon, beam support guides spaced apart from each other on

the said beam bearing support, a beam support movably disposed in relation to said beam support guides, contacting members adjustably disposed in the said beam support and arranged to register and co-act with the said beam support guides, a hanger support movably disposed



in relation to said beam support, hanger support guides spaced apart from each other on the said beam support, and contacting members adjustably disposed in the said hanger support, said contacting members being arranged to register, and coact, with the said hanger support guides.

1,583,884. ATTACHMENT PLUG FOR ELECTRIC HEATING DEVICES. WILLIAM ILE, Jackson, Mich. Filed June 11, 1925. Serial No. 36,505. 6 Claims. (Cl. 173—332.)



1. An attachment plug for electric heating devices including an insulating body provided at its opposite sides with longitudinal recesses and having an opening at one end communicating with said recesses and at its opposite end having openings communicating with said recesses, said body being also provided at opposite interior walls of the longitudinal recesses with transverse seats, and contacts arranged within said recesses and having spaced, resilient, side portions, each provided with an exterior transverse rib fitting in the respective seat to interlock the contacts with the insulating body.

1,583,885. FENCING TOOL. JESSEE L. KENDALL, Council, Ark. Filed Apr. 21, 1925. Serial No. 24,791. 1 Claim. (Cl. 140—123.)

A wire stretching tool formed in a single piece and including an elongated bar having a pointed end, said bar having a laterally V-shaped wire straddling yoke extending laterally therefrom and integral with the bar

the sides of the yoke constituting loop forming means, those portions of the bar at opposite sides of the yoke being in alinement.

1,583,886. LENS. WILLIAM E. KERNS, Malvern, Iowa. Filed Jan. 16, 1925. Serial No. 2,849. 1 Claim. (Cl. 240—48.4.)

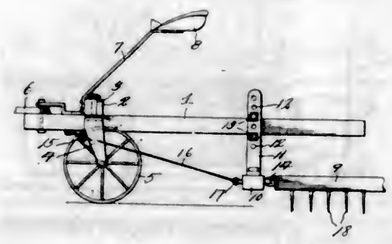
In combination, a concavo-convex lens, a projection on the concaved surface of the lens having its median lengitudinal dimension disposed vertical, said projection tapering from its intermediate portion toward its ends and being substantially triangular shape in horizontal cross section for forming a pair of side faces which are substantially convexed, such projection being opaque.

1,583,887. SHOW CASE. FREDERICK AUBREY KILBOURN, Calgary, Alberta, Canada. Filed Jan. 2, 1923. Serial No. 610,350. 1 Claim. (Cl. 211—25.)

A sectional vertically extending merchandise holder having shelves therein, said holder being of sufficient height to extend from the floor to approximately the ceiling of a salesroom and means for independently

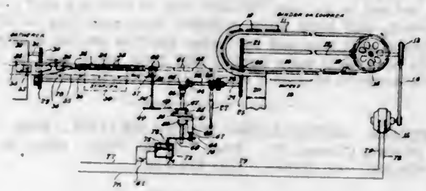
and bodily lowering each section of said holder through the floor of the room in which it is placed so as to place the normally inaccessible shelves in the upper parts of the holder within convenient reach.

1,583,888. HARROW CART. HENNINO H. KROHN, Clearwater, Nebr. Filed June 9, 1925. Serial No. 35,937. 3 Claims. (Cl. 55—91.)



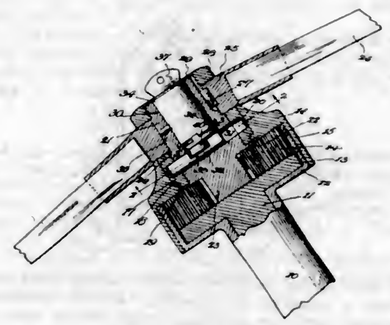
1. A harrow cart comprising a longitudinally disposed beam, a transversely disposed bar adjacent one end of the beam, supporting wheels carried by the ends of the transversely disposed bar, means whereby draft animals may be attached to one end of the beam, a transversely disposed harrow drag bar beneath the beam, upwardly extending apertured arms carried by the drag bar and between which the beam extends, transversely disposed bolts extending through apertures of the arms above and below the beam, a brace detachably connected to the underside of the beam, said brace comprising downwardly extending diverging arms, the ends of said diverging arms being connected to the harrow drag bar.

1,583,889. BOOK BINDING OR COVERING APPARATUS. PIERRE LARIVIÈRE, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works, New York, N. Y., and one-half to T. W. & C. B. Sheridan Company, Champlain, N. Y., both Corporations of New York. Filed May 1, 1925. Serial No. 27,242. 4 Claims. (Cl. 11—1.)



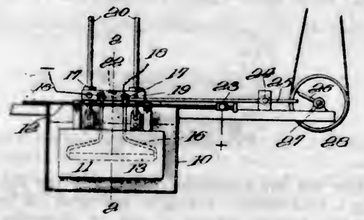
1. A book binding or covering apparatus comprising in combination, a gathering mechanism delivering signatures in successive groups, a train of traveling clamps receiving and holding the successive signature groups during the binding or covering operations on the edges thereof, a conveyor transferring the successive signature groups from the gathering mechanism to the successive clamps of said clamp train, a power means advancing the train of clamps and having connections driving the gathering mechanism and transferring conveyor in synchronism with the clamp train, and an automatically acting clutch in said connections operating to unclutch upon excessive resistance, and to reclutch only in correct synchronism, and having means preventing reclutching except at will.

1,583,890. STEERING-WHEEL LOCK. ERCLAT G. LOVE, Wichita, Kans. Filed June 28, 1924. Serial No. 722,934. 1 Claim. (Cl. 70—129.)



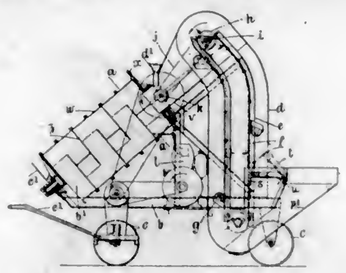
In a steering gear, the combination of a cover terminating at its outer end in a sleeve having an axial bore and provided near its inner end with an internal annular flange projecting into said bore, a bushing pressed into said bore and reduced at its inner end to fit through said flange as well as to define an annular shoulder seating against the flange for limiting the bushing against inward displacement, the bushing being provided with an internal socket, a spindle journaled through the bushing and provided at its inner end with an annular flange rotatably fitting in the inner end of said bore substantially flush with the inner end face of the sleeve to abut the inner edge of said bushing and said first mentioned flange for limiting the spindle against outward displacement, a steering wheel having a hub fixed to the outer end of the spindle to closely overlie the outer end edges of said bushing and sleeve whereby the bushing is limited against outward displacement by said hub and confined between the hub and the flange of the sleeve, a bolt shiftable upon the spindle to engage in said socket securing the spindle against rotation independently of the cover, and key controlled means mounted axially of the spindle for shifting said bolt.

1,583,891. PROCESS FOR THE ELECTRODEPOSITION OF METALS. CHARLES P. MADSEN, New York, N. Y., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 19, 1918, Serial No. 254,793. Renewed Oct. 8, 1925. 17 Claims. (Cl. 204—14.)



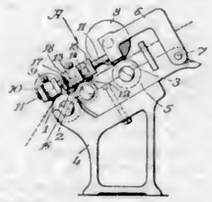
1. In the process of electrodepositing metals, repeatedly removing the cathode surface from the bath for a period of time sufficient to permit the hydrogen on the deposited metal to be substantially eliminated from each successive layer of the deposited metal, and returning it thereto during deposition.

1,583,892. MIXING MACHINE. JOHN VER MEHR, London, England. Filed May 12, 1923. Serial No. 638,533. 6 Claims. (Cl. 83—73.)



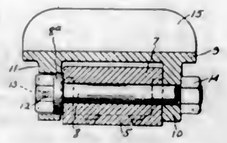
1. In a mixing machine a rotary mixing drum, comprising, a plurality of cylindrical sections detachably connected together, a partition located between each pair of adjoining sections, adjacent partitions having diametrically positioned apertures to permit the material being mixed to pass from one section to the next at each complete rotation of the drum, and a mixing blade in each section.

1,583,893. DRAWING MECHANISM. HEINRICH MEIER, Unterageri, Switzerland. Filed Jan. 29, 1926. Serial No. 84,624. 2 Claims. (Cl. 19—130.)



1. In a drawing mechanism, in combination, a pair of feed rollers, a pair of drawing rollers, a pair of intermediate pressure rollers, and a further intermediate pressure roller cooperating with the lower roller of said pair of intermediate pressure rollers, the portions of said further pressure roller that bear upon the roving having a smaller diameter than the other portions of said pressure roller.

1,583,894. FOOT REST FOR ACCELERATOR PEDALS. HERBERT J. MELVILLE, Detroit, Mich. Filed Sept. 27, 1922. Serial No. 590,794. 1 Claim. (Cl. 74—81.)

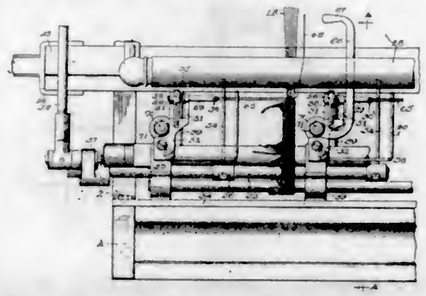


A foot rest for accelerator pedals and the like comprising a fixed member having an apertured lug thereon, a movable member having a pair of depending lugs adapted to fit over the lug on the fixed member and respectively provided with apertures of different diameters, a shoulder bolt arranged in the apertures of all of the lugs with the periphery of the shoulder fitting within the larger apertured lug on the movable member and with its inner extremity engaging the adjacent wall of the fixed lug, and a nut threaded on the bolt in engagement with the outer wall of the smaller apertured movable lug.

1,583,895. NITROGLUCOSIDE EXPLOSIVE. ROBERT C. MORAN, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 23, 1923. Serial No. 614,455. 16 Claims. (Cl. 52—13.)

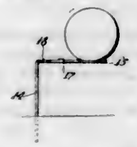
1. A dynamite comprising a nitrated glucoside.

1,583,896. FRINGE-MAKING MACHINE. CHRISTIAN B. NELSON, Chicago, Ill. Filed May 26, 1924. Serial No. 715,905. 20 Claims. (Cl. 139—118.)



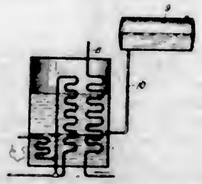
1. In a fringe machine a thread twister comprising a spindle provided with means for engaging a looped thread, a pulley fast on said spindle, means for intermittently rotating said pulley in opposite directions whereby to twist and release the looped thread, and a pawl and ratchet mechanism that prevents the rotation of said spindle in one direction more than one revolution at a time.

1,583,897. GOLF TEE. GEORGE H. OLDRING, New York, N. Y. Filed Nov. 28, 1924. Serial No. 752,598. 2 Claims. (Cl. 273—33.)



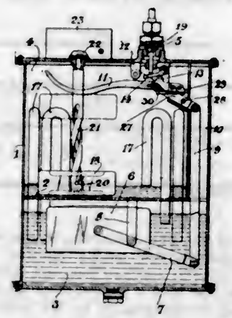
2. A golf tee formed of a single strip of wire looped at one end in an open centered ring to receive a golf ball thereon, said strip being extended from said ring in the plane of said ring and bent upon itself to provide a pressure head, said strip beyond said head being bent at a right angle to provide a stem for insertion in the earth.

1,583,898. NONSCALDING WATER HEATER. FRED J. POSTEL, Chicago, Ill. Filed July 30, 1923. Serial No. 654,585. 12 Claims. (Cl. 122—32.)



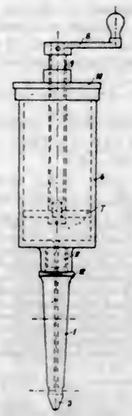
1. A heat interchange appliance comprising a closed container, a heat supplying duct and a heat receiving duct both extending through the container; a heat transferring medium within the container comprising two nonmiscible liquids of different specific gravities and vaporizing points, and a storage tank connected to the container within the zone of the less volatile liquid.

1,583,899. LIQUID METER. FRANK SIDEBOTHAM RIPPINGILLE, Birmingham, England. Filed July 17, 1924. Serial No. 726,444. 2 Claims. (Cl. 73—28.)



2. A liquid meter comprising an upper measuring chamber, an inlet valve for admitting liquid to said measuring chamber, a lower supply chamber, a float device in the measuring chamber, a registering device operated by said float device, means whereby the liquid is discharged from the measuring chamber into the lower supply chamber when it reaches a predetermined level in the measuring chamber, a float in the lower supply chamber, a lever carrying said float, a pivoted link, a rod connecting said link to said float-carrying lever, a striker pin on said link, a lever for controlling the inlet valve, and a pawl carried by the said valve lever adapted to be engaged by the striker pin so as to cause the inlet valve to open when the float in the lower chamber falls, the said valve lever being engaged and operated by the float device in the measuring chamber when the said measuring chamber fills to a predetermined level, the pawl allowing the striker pin to wipe past the valve lever when the float in the lower chamber rises.

1,583,900. HOLLOW NEEDLE FOR VACCINATING TIMBER AND THE LIKE. CARL SCHMITTUTZ, Bad Kissingen, Bavaria, Germany. Filed June 19, 1924. Serial No. 721,145. 4 Claims. (Cl. 99—12.)



1. A hollow needle for use in vaccinating trees, timbers and the like with preserving substances of a pasty consistency, the said needle having an approximately oval cross-section which increases in size from the point towards the butt of the needle, and a central channel with branches leading outward in proximity to the pointed end of the needle, substantially as set forth.

1,583,901. SALT GLAZING. HARRY GEORGE SCHURECHT, Pittsburgh, Pa., assignor of one-half to Henry Thomas Shelley, trustee, Philadelphia, Pa., and one-half to George Casper Doering Lenth, trustee, Chicago, Ill. Filed July 23, 1924. Serial No. 727,715. 13 Claims. (Cl. 25—157.)

9. The method of salt-glazing ceramic ware which comprises volatilizing an alkali metal chloride and a volatile material containing zinc in a kiln containing the ware during the burning thereof.

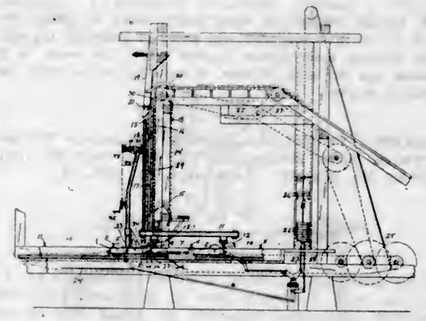
1,583,902. SALT GLAZING. HARRY GEORGE SCHURECHT, Pittsburgh, Pa., assignor of one-half to Henry Thomas Shelley, trustee, Philadelphia, Pa., and one-half to George Casper Doering Lenth, trustee, Chicago, Ill. Filed July 23, 1924. Serial No. 727,716. 7 Claims. (Cl. 25—157.)

4. The method of salt-glazing ceramic ware which comprises volatilizing potassium chloride in a kiln containing the ware during the burning thereof.

1,583,903. SCUM PREVENTION. HARRY GEORGE SCHURECHT, Pittsburgh, Pa., assignor of one-half to Henry Thomas Shelley, trustee, Philadelphia, Pa., and one-half to George Casper Doering Lenth, trustee, Chicago, Ill. Filed July 23, 1924. Serial No. 727,717. 14 Claims. (Cl. 106—11.)

1. The method of preventing the formation of detrimental soluble salt scum on clayware which comprises adding to the clay a precipitant to react with the soluble scumming salt to form insoluble and soluble salt products, and adding a second precipitant to render the soluble product insoluble.

1,583,904. UNSTACKER. DANIEL R. TANNER, La Grande, Oreg., assignor to The Filer & Stowell Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 2, 1924. Serial No. 717,309. 6 Claims. (Cl. 214—1.)

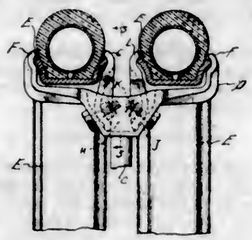


1. The combination with fixed uprights, of a transfer car adapted to carry a stack of boards, for example, against said uprights, and means mounted upon said car for truing the stack against said uprights.

1,583,905. SPARE-RIM HOLDER. CHARLES M. TRIPP, Detroit, Mich., assignor to Tripp-Secord and Company, Detroit, Mich., a Common Law Trust. Filed Oct. 20, 1923. Serial No. 669,665. 2 Claims. (Cl. 224—29.)

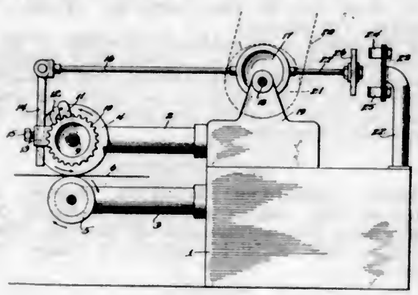
1. In combination with centrally disposed supporting means, a plurality of rim-engaging fixtures supported thereby, each of said fixtures comprising a rigid holding

member provided with inturned ends, a pair of movable rim-engaging elements each adapted to cooperate with one or the other of said inturned ends in the seizure between



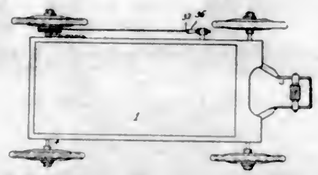
them of the opposite edges of a wheel rim, and means for effecting the actuation of each of said movable elements independently of the other.

1,583,906. METHOD OF ELECTRIC WELDING AND APPARATUS THEREFOR. EDMUND J. VON HENKE, Chicago, Ill. Filed Nov. 10, 1923. Serial No. 673,911. 9 Claims. (Cl. 219—4.)



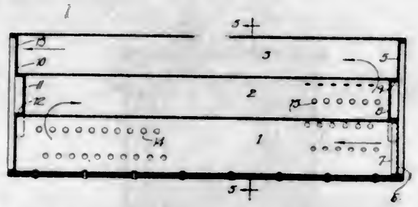
4. In the method of electrical welding in which the work is fed intermittently, the steps of reducing the current without interruption thereof while the work is in motion and bringing it back to welding value while the work is at rest.

1,583,907. VEHICULAR BRAKE. CLARENCE WATSON WHITE, North Bennington, Vt. Filed Sept. 30, 1921. Serial No. 504,323. 3 Claims. (Cl. 188—77.)



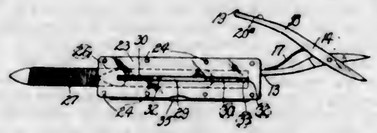
1. A vehicle having a body, an axle, braces connecting the axle to the body, wheels on said axle, a brake drum connected for rotation with one of said wheels, a stud provided upon one of the braces so as to extend into the plane of the drum and outside of its periphery, a flexible brake band connected at one end to said stud and extending around at least a portion of the periphery of the drum, and a flexible device connecting the free end of the band to the body of the vehicle, whereby the rotation of the drum and wheel may be checked by flexing the flexible device to tighten the band upon the drum.

1,583,908. MUFFLER AND THE LIKE. HERBERT H. WILLIAMS, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Feb. 12, 1925. Serial No. 8,626. 3 Claims. (Cl. 137—160.)



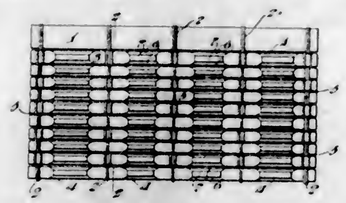
1. A muffler or the like comprising a plurality of tubes of different diameters one within another and tangent to one another along a common line and fastened to each other along said line, and a head 5 mounted on said tubes with an opening 6 surrounded by an internal flange 7 fitting within the end of one of said tubes, an offset portion 8 of crescent shape fitting within the end of another of said tubes and a flange fastened to the edge of the outermost tube.

1,583,909. MANICURING IMPLEMENT. ROLAND T. WRIGHT, St. Louis, Mo., assignor of one-third to Oliver N. Poisse, St. Louis, Mo. Filed May 10, 1924. Serial No. 712,216. 6 Claims. (Cl. 30—33.)



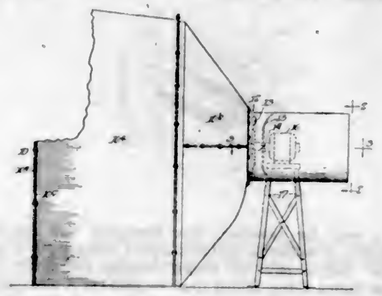
1. In a manicuring implement a handle comprising a pair of plates each folded longitudinally so as to form a rib, said plates secured together with the ribs abutting, thereby forming an upper and a lower channel between said plates, a plate secured to and between the first mentioned plates for closing both channels at one end, a second plate secured between the first mentioned plates for closing the opposite end of one of said channels thereby forming a pocket, a closure for said pocket, a plate secured to the outer face of each of the first mentioned plates, and plates secured to said last mentioned plates and the plates closing the ends of said channels.

1,583,910. PORCH SHADE. AUGUST AMREIN, Amsterdam, N. Y. Filed Nov. 17, 1922. Serial No. 601,447. 2 Claims. (Cl. 156—16.)



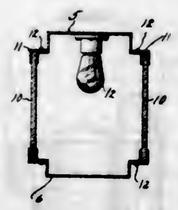
1. A porch shade made up of freely spaced slats and cords laced to flexibly connect same together to provide an elongated continuous opening between adjacent slats, said slats each having uniformly spaced, flattened portions for cord accommodation and each of said slats having a baffle arranged intermediate adjacent flattened portions, which baffles project forwardly from said slats for deflecting air through said openings.

1,583,911. SPRAY CABINET. HOWARD G. BARTLING, Chicago, Ill., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1922. Serial No. 603,056. 2 Claims. (Cl. 91—60.)



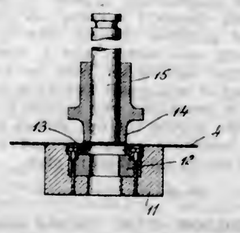
1. The combination of a spraying cabinet having an exhaust port, a duct leading therefrom and being bifurcated to form branches, an exhauster located in said port, and a motor located between said branches and exteriorly of said duct, said motor being provided with a shaft extending into said duct and carrying said fan.

1,583,912. DISPLAY SIGN. CHARLES L. BESWICKE, Detroit, Mich., assignor to Modern Sign Company, Inc., Detroit, Mich., a Corporation of Michigan. Filed Apr. 20, 1925. Serial No. 24,483. 3 Claims. (Cl. 40—140.)



1. A display sign having top and bottom members provided with spaced brackets adapted to form upper and lower portions of letter supporting frames, a series of vertical spacing members having lateral flanges adapted to form the side portions of said letter supporting frames, display plates arranged exteriorly of the said frames, and flanged supporting members fitting over the display plates and frames.

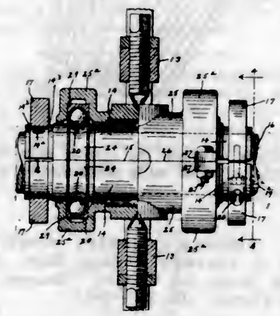
1,583,913. BEARING AND METHOD OF MAKING SAME. JOSEPH BRINCIL, Plainfield, N. J. Filed Oct. 16, 1924. Serial No. 743,908. 12 Claims. (Cl. 149.5.)



1. The method of making self-lubricating bearings which comprises forming indentations in a strip of bearing metal, filling the indentations with a lubricating paste, and drawing the metal into cylindrical form.

9. A self-lubricating bearing made by forming indentations in a strip of bearing metal, filling the indentations with a lubricating paste, and drawing the metal into cylindrical form.

1,583,914. BALL BEARING. CHARLES K. BUSWELL, North Abington, Mass., assignor to Antifriction Shafting Bearing Company, Portland, Me., a Corporation of Maine. Filed Nov. 21, 1921. Serial No. 516,556. 3 Claims. (Cl. 308—189.)



1. A ball-bearing for shafting comprising a sectional sleeve, having in its sections parallel sided external grooves, a sectional housing, having in its sections parallel sided internal grooves, hardened external ball race sections, having parallel sides pressed into the grooves of the sleeve sections, hardened internal ball race sections having parallel sides pressed into the grooves of the housing sections, and means for confining, upon a shaft, the sleeve sections, the housing sections, and balls engaged with the ball race sections.

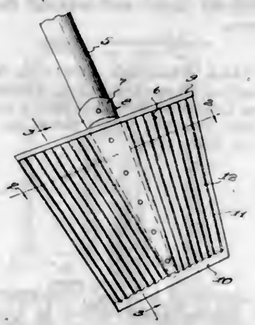
1,583,915. PAVEMENT HEATER. GEORGE A. COATS, Philadelphia, Pa. Filed Feb. 10, 1925. Serial No. 8,154. 5 Claims. (Cl. 126—271.2.)

1. In a pavement heater, a tractor, a supporting frame detachably connected to said tractor, a hood at one end of said frame, an elongated combustion chamber mounted on said frame and communicating with said hood, an inner flue for said combustion chamber, a burner for said combustion chamber, a fuel pump mounted on said frame, a blower also mounted on said frame, and means on said frame for actuating said fuel pump and blower simultaneously.

1,583,916. SHOVEL OR LIKE IMPLEMENT. JOSEPH L. DEMARS, Fair Haven, Mich. Filed Mar. 16, 1922, Serial No. 544,163. Renewed Dec. 15, 1925. 1 Claim. (Cl. 294—49.)

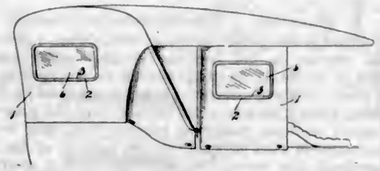
A shovel having a blade integrally formed with a cutting edge and a series of grooves below the plane of the cutting edge arranged to maintain a layer of

fluid between the face of the shovel and the material being handled, said grooves having their forward ex-



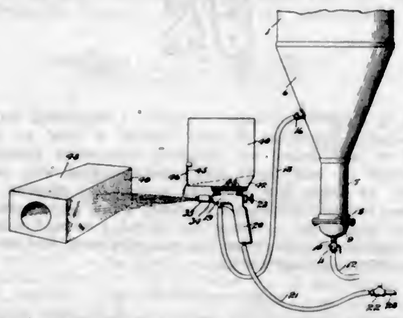
tremities closely adjacent the cutting edge and the upper extremities of their walls substantially in the plane of the cutting edge.

1,583,917. VEHICLE CURTAIN CONSTRUCTION. BERNARD P. DONNELLY, Holland, Mich. Filed Nov. 25, 1922, Serial No. 603,196. Renewed Mar. 31, 1926. 4 Claims. (Cl. 296—145.)



4. A curtain for vehicle tops comprising a rubber sheet of material having an opening therethrough, said material forming the curtain being thickened and made into a frame around said opening, the frame and curtain being integral, and glass secured in said frame at said opening, substantially as described.

1,583,918. PROCESS OF COATING BUILDING BLOCKS. HARRY E. DUNN, Holland, Mich., assignor of one-half to William E. Dunn, Holland, Mich. Filed Apr. 16, 1923. Serial No. 632,321. 1 Claim. (Cl. 91—68.)

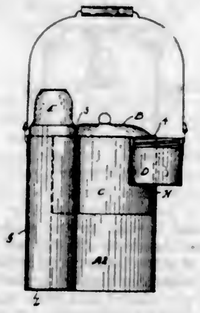


1. The process of coating a side of a building block which consists in projecting a jet of water and cement in solution or suspension in said water toward said side of the block and introducing sand into the moving jet immediately prior to the contact thereof with the block.

1,583,919. SEAL. ELLSWORTH EPHRAIM FLORA, Chicago, Ill., assignor to Consolidated Steel Strapping Company, a Corporation of Delaware. Filed Aug. 4, 1917, Serial No. 184,535. Renewed Dec. 20, 1923. 3 Claims. (Cl. 24—28.)

2. A seal for tensional box strapping and the like comprising a malleable metallic device comprising a back member and a pair of wings integral therewith, one of said wings being folded over to provide a slot pocket into which both overlapped strap ends may be simultaneously and sidewise inserted, the other wing being folded over partially and sufficiently to be engageable with the strap ends when they have been simultaneously inserted, but not sufficiently to prevent said simultaneous insertions, said malleable metallic device being adapted to be crimped simultaneously with the strap ends into a crimped joint.

1,583,920. LUNCH BUCKET. GUS FREELAND, Kenilworth, Utah. Filed Sept. 10, 1924. Serial No. 736,911. 1 Claim. (Cl. 206—4.)

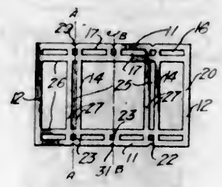


A lunch bucket comprising a cylindrically shaped bucket; an extension chamber in one side of said bucket; a receptacle carried in said extension chamber having a bell shaped upper portion extending above the upper edge of said bucket; an extension chamber in the side of said bucket diametrically opposed to the first mentioned extension chamber; a sealed can carried in the last mentioned extension chamber with its upper edge on a level with said bucket; and a lunch receptacle telescoped within said bucket with its bottom spaced from the bottom of said bucket forming a liquid chamber below the lunch receptacle; with a cover for said bucket adapted to bear against the bell shaped upper portion of the first mentioned receptacle, and on the cover of said sealed can to hold them in place.

1,583,921. HOLLOW TILE. HARVEY GARBER, Orange, Calif. Filed Sept. 13, 1922. Serial No. 587,885. 5 Claims. (Cl. 72—41.)

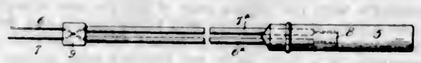
5. A hollow tile of the class disclosed, comprising: side walls provided with oppositely disposed equilateral

vertical cells; end walls connecting the ends of said side walls; and an intermediate wall connecting said side walls and provided with a vertical elongated cell



extending in alignment with said equilateral cells, said side walls being provided with breaking grooves adjacent said equilateral cells.

1,583,922. PROTECTING DEVICE FOR ELECTRIC DETONATORS. HARRY L. GRANT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 6, 1924. Serial No. 748,214. 8 Claims. (Cl. 102—10.)



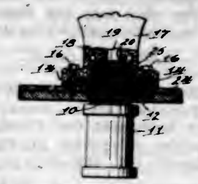
7. An electrical detonator in which a shunt made of a metal softer than that from which the terminal wires of the detonator are made, is placed squarely against the insulation of the terminal wires of the said electrical detonator.

1,583,923. BUMPER FOR VEHICLES. FREDERICK D. HANSEN and HERBERT W. TINKER, Milwaukee, Wis., assignors to Federal Pressed Steel Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 21, 1924. Serial No. 759,008. 20 Claims. (Cl. 293—55.)

1. The combination of two channel-shaped impact bars arranged parallel to each other and spaced apart, elongated spacing blocks between the bars and having flat front faces, and spring supporting arms connected to said block.

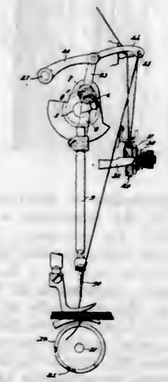
1,583,924. DRAINAGE FITTING. JOHN A. HEALY, Langdon, and JAMES H. HEALY, St. Paul, Minn. Filed Jan. 6, 1922. Serial No. 527,380. 1 Claim. (Cl. 285—34.)

In a drainage fitting, the combination with a drain pipe and a plumbing fixture having an annular recess of substantial depth surrounding said drainage opening, said fixture being also formed with a relatively shallow receptacle for packing, adjacent to said first mentioned recess, of a nipple threaded in said drain pipe and arranged to be contracted therein and extensible to varying degrees into said recess in the plumbing fixture, a ring adjustable longitudinally on said nipple, intermediate the ends thereof, an annular packing member



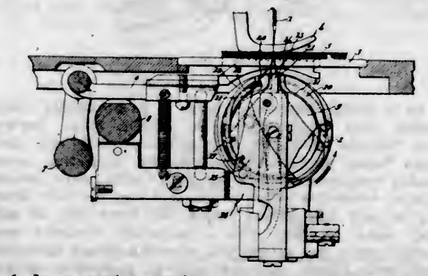
disposed in said receptacle between said ring and fixture and securing means for said ring adapted to maintain said packing member under compression.

1,583,925. LOCK-STITCH SEWING MACHINE. MARTIN HEMLEB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Original application filed July 16, 1923, Serial No. 651,800. Divided and this application filed Mar. 13, 1924. Serial No. 698,824. 3 Claims. (Cl. 112—241.)



1. In a lock-stitch sewing machine, the combination with a reciprocating eye-pointed needle having substantially a simple harmonic motion, and a rotary hook making at a uniform speed three rotations for each reciprocation of the needle, of a crank-and-link take-up operating to draw the needle-loop up to the work and to give slack before the needle-eye has descended a distance below its upper limit equal to the distance between such eye and the needle-point.

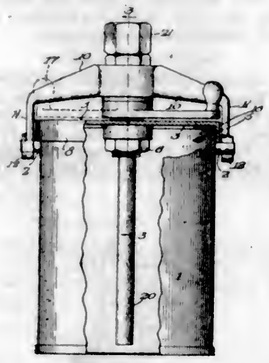
1,583,926. LOCK-STITCH SEWING MACHINE. MARTIN HEMLEB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 26, 1924. Serial No. 701,894. 6 Claims. (Cl. 112—181.)



1. In a sewing machine, a reciprocating needle, a loop-taker, a bobbin-case, a rotation restraining device

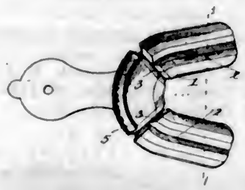
associated with said bobbin-case, a take-up, and a yielding thread-nipper through which the needle-loop is drawn by the take-up after such loop has passed between the bobbin-case and the rotation restraining device.

1,583,927. PAINT CONTAINER FOR SPRAY APPLIANCES. WILLIAM HERSLER, Chicago, Ill., assignor to Binks Spray Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 21, 1925. Serial No. 57,589. 3 Claims. (Cl. 220—57.)



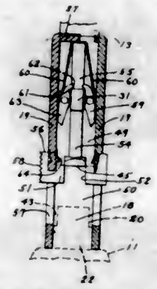
1. A container comprising a receptacle and a cover fitting the mouth of the receptacle, a thrust member mounted on the cover for movement toward or away from the receptacle, the thrust member and the receptacle having coacting portions adapted to be engaged or disengaged by rotational movements of the thrust member with respect to the receptacle in respectively opposite directions, and thrust means interposed between the cover and the thrust member for moving the latter towards or away from the receptacle, the cover and the thrust member having interengaging parts for preventing rotation of the thrust member on the cover.

1,583,928. DENTAL IMPRESSION TRAY. SAMUEL HOLLANDER and EDWARD I. WEISBERG, Cleveland, Ohio. Filed Nov. 10, 1923. Serial No. 673,943. 1 Claim. (Cl. 32—6.)



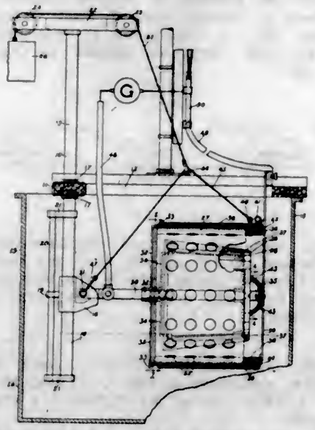
In a dental impression tray, a longitudinally channelled tray body having a curved front portion and integral elongated rear portions, said rear portions being provided with inwardly projecting acute angled longitudinal ridges on their bottom walls, spaced similar transverse ridges across said rear portions merging in said longitudinal ridges, the front wall of said tray being provided with a horizontal inwardly projecting ridge the extremities of which merge into said transverse ridges, said ridges being positioned on the lines of division of the cast to be subsequently formed in said tray.

1,583,929. STAPLE BINDER. BERTHOLD JAHN and ERNEST EMIL KAHL, New Britain, Conn., assignors, by mesne assignments, to Gertrude H. Heyn, Compo Cove, Westport, Conn. Filed Dec. 13, 1921. Serial No. 522,085. 5 Claims. (Cl. 1—2.3.)



1. A staple binder having a supporting bar for supporting a staple strip that is composed of individual staples connected together, said bar having a cutting edge at one end, means for feeding said strip along said bar so that said strip will project beyond said cutting edge, means to limit such projection of the strip to correspond to a single staple and operative also to serve as a guide for the opposed edge portion of said single staple, a plunger having a cutting edge to cooperate with the cutting edge of the bar and operative to be driven so as to sever said single staple and drive the same, a slide having a forked lower end for cooperating as a guide with the opposite edge portion of said single staple and having the body portion opposed to said plunger, a spring actuated pawl mounted on said slide, said plunger having a notch for engaging with said pawl, and a tripping lug for disengaging said pawl from said notch.

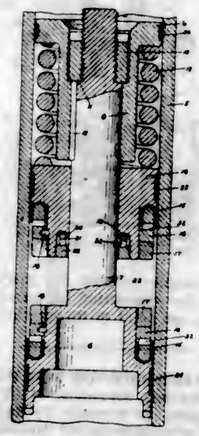
1,583,930. MECHANISM FOR CLEANING METALLIC CONTAINERS. OTTO W. JANTZ and HERBERT O. JANTZ, Cincinnati, Ohio. Filed May 14, 1925. Serial No. 30,283. 7 Claims. (Cl. 204—7.)



1. In a device of the class described the combination of a support bar, an inner and an outer cage mounted in spaced relation from one another upon the support bar and electrically connected to the support bar, a tip of insulating material mounted upon an end of the support bar, a clamp bar adapted to be mounted across the end of the outer cage and electrically insulated therefrom, resilient contact brushes carried by

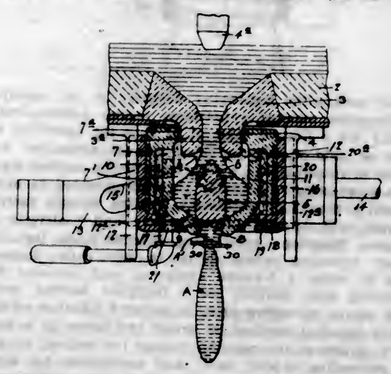
the clamp bar, and means for connecting the support bar and cages to a positive supply line of a suitable source of electrical energy and for connecting the clamp bar and brushes to the negative line of said source of supply.

1,583,931. PACKING RING. BRYAN P. JOYCE, Davenport, Iowa. Filed Apr. 26, 1924. Serial No. 709,236. 10 Claims. (Cl. 24—109.)



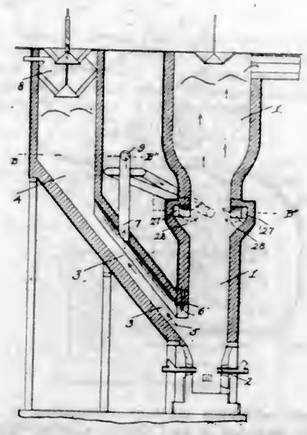
1. In combination with a cylinder and a floating piston, the piston head being reduced to form an annular seat, a packing ring embracing the piston stem and formed with annular seats on its inner and outer periphery, a cup ring disposed in each of the annular seats, reduced peripheral flanges formed on the contact portion of the cylinder engaging cup rings, a relatively wide tin band disposed between the flanges and flush therewith, compression rings mounted within the cup rings and spaced from the sides thereof, said compression rings being formed with vents, means for preventing rotation of the compression rings, and means spaced from the cylinder and piston stem for retaining the compression rings in fixed position.

1,583,932. METHOD AND APPARATUS FOR FEEDING MOLTEN GLASS. JOHN R. KELLER, Glenshaw, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed June 26, 1923. Serial No. 647,839. 11 Claims. (Cl. 49—55.)



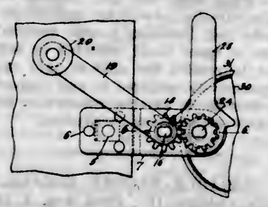
2. Apparatus for feeding molten glass, comprising a container for the glass having a downwardly opening discharge outlet, means for supplying glass continuously to said outlet, a vertically reciprocable cup disposed beneath said outlet and having a discharge opening in vertical alignment with the discharge outlet of said container, a stationary post associated with said cup and having its lower end in vertical alignment with the discharge opening of said cup, the said post having passages for the discharge of glass laterally into said cup.

1,583,933. METHOD OF SEPARATING METAL FROM THE MATERIAL CONTAINING IT. EDMUND B. KIRBY, New York, N. Y. Filed Aug. 11, 1923. Serial No. 656,798. 28 Claims. (Cl. 75—28.)



1. The method of separating a metal from the material containing it which consists in smelting the material in a blast furnace with such excess of fuel as will supply latent heat of vaporization to the metal, in making a slag whose free running temperature exceeds the boiling point of the metal, in subjecting the material to reducing agents for a time sufficient to reduce the metal before fusion, in drawing off the gases and condensing the metal vapor, in returning the gases to the furnace column at an elevation higher than that at which they are drawn off, in enriching the gases by causing an accumulated portion of the metal to traverse a closed circuit which includes part of the column, and in maintaining the condenser temperature above the point at which solid precipitate is formed and precipitating the residual vapor within the interstices of the column.

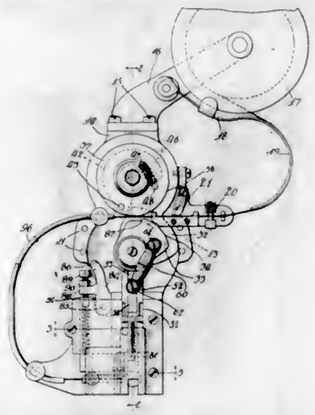
1,583,934. CAN OPENER. GEORGE R. LEGGETT, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 23, 1922. Serial No. 602,680. 5 Claims. (Cl. 30—3.)



5. In a can opener of the class described, the combination of a frame, a supporting plate secured to the frame, a rotary cutting knife and gear unit and a cooperating rotary abutment and gear unit mounted in

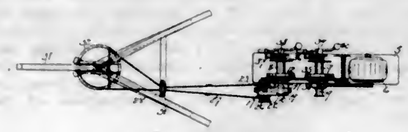
the plate, an eccentric mounting for one of the units, and a second handle for moving the eccentrically mounted unit toward and from the other unit.

1,583,935. STITCHING MACHINE. ERNEST LESCHHORN, Chicago, Ill., assignor to Latham Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1924. Serial No. 685,944. 11 Claims. (Cl. 1—2.)



1. A wire stitching machine comprising a frame, a drive shaft mounted in said frame, a detachable stitcher head mounted on said frame, a stud mounted in said head forming a continuation of said shaft, and means whereby said stud may be detachably connected to said drive shaft.

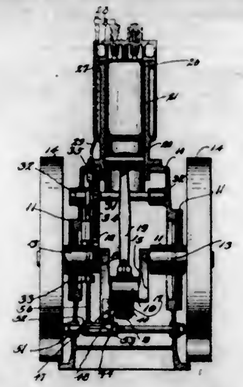
1,583,936. DERRICK SWINGER. KENNETH B. NOBLE, Hartford, Conn. Filed Feb. 28, 1925. Serial No. 12,447. 5 Claims. (Cl. 254—185.)



1. A derrick swinging apparatus comprising a derrick including a bull wheel, a cable extending around and from said bull wheel, actuating mechanism including a frame with a drum shaft mounted thereon, and an actuating unit operatively connecting said drum shaft and said cable, said unit including a case detachably secured to said frame, a spool shaft mounted in said case and having spools to receive the ends of said cable, driving mechanism operatively mounted in and supported by said case, and a detachable driving connection between said drum shaft and said driving mechanism.

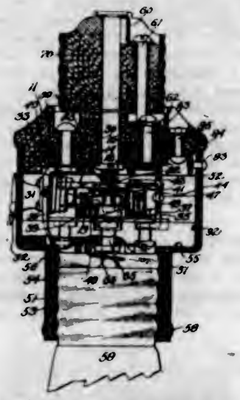
1,583,937. VARIABLE-STROKE ENGINE. ASA LEE RIGHTENOUR, Chicago, Ill. Filed Aug. 2, 1924. Serial No. 729,784. 15 Claims. (Cl. 123—78.)

1. In an internal combustion engine, a piston, a driven shaft, a rod connection between the piston and shaft, means freely mounted upon said shaft for controlling the rod connection therewith to effect different lengths of piston stroke at different cycles of operation,



and cooperating means between the shaft and the first mentioned means for connecting the same for movement with the shaft at one point in its rotation.

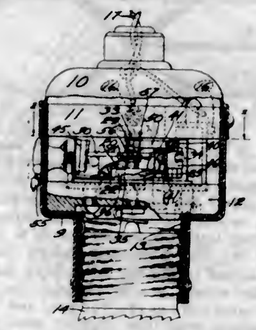
1,583,938. DELAYED CUT-OUT FOR PULL SOCKETS. RAYMOND D. SMITH, Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1920. Serial No. 421,556. 53 Claims. (Cl. 200—116.)



1. In controlling apparatus designed to be operated by successive manual actuations, means automatically to delay for a limited interval of time the operative response of said apparatus to a manual actuation, embodying in combination; a rotatively driven ratchet member; a pawl-carrying actuator therefor mounted to oscillate and arranged by successive forward strokes thereof to impel said member intermittently and positively in the same direction; positioning ratchet seats for said member arranged consecutively in the path thereof; means to cause a forward stroke of said actuator for positioning said member on a designed ratchet seat; detent means operative upon subsequent advance of the actuator-impelled member to arrest the latter in a temporary, intermediate position before its arrival at the next succeeding ratchet seat; and mechanism for automatically moving said member, having a slow-acting control device connected to be set in operation through the movement of said member to its said intermediate

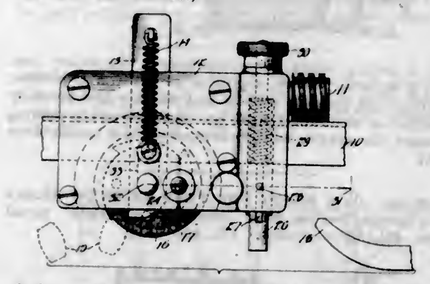
position, whereby said member is automatically advanced to its said succeeding ratchet seat a substantial interval of time after being impelled to its said intermediate position.

1,583,939. DETENT-TRIPPING MECHANISM FOR SOCKET SWITCHES. RAYMOND D. SMITH, Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1920. Serial No. 422,751. 26 Claims. (Cl. 200—116.)



1. In a switch, a detent controlling arrangement embodying in combination; a movable switch circuit controller; a manually operable oscillatory driving element for said controller; resilient means energizable by a forward stroke of said element to tension said device for forward automatic circuit-governing movement; a detent normally arranged to prevent said movement; and tripping mechanism for releasing said controller from restraint by said detent, operatively actuable directly by a repetition of said forward stroke of said element.

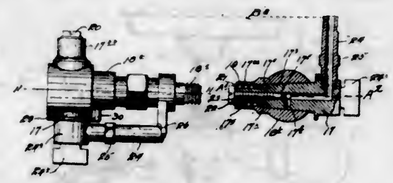
1,583,940. DOG FOR GRINDING MACHINES. AMOS P. STEINER, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed June 20, 1924. Serial No. 721,290. 11 Claims. (Cl. 74—50.)



1. In combination, a reversing lever and an actuating dog therefor said members having relative reciprocatory movement, an element on the dog slidable transversely of the line of such movement, a cam, and means for moving the cam on successive reciprocatory movements to move said slidable element out of the path of the reversing lever, substantially as set forth.

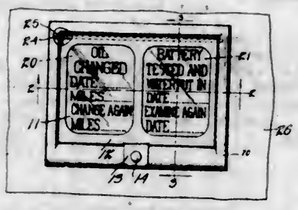
1,583,941. OIL-LEVEL INDICATOR. WILL D. SWIGGART and FRANCIS M. C. USHER, Fulton, Ky. Filed Dec. 22, 1920. Serial No. 432,513. 3 Claims. (Cl. 73—54.)

1. An oil level indicator comprising a valve casing having a conduit therethrough and a port, a valve having a standpipe said valve being rotatably mounted on one end of said valve casing, said standpipe being adapted to normally lie adjacent to and in spaced parallel relation with said valve casing, means whereby said standpipe is out of communication with said conduit when in this



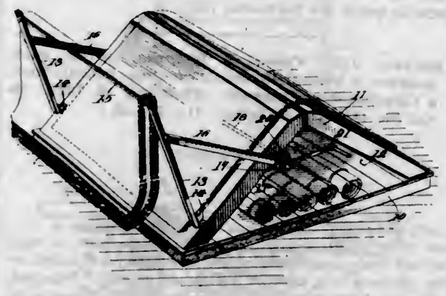
position, means whereby said valve is only capable of rotation of a half of a revolution from this normal position, and means whereby said standpipe is in communication with said conduit when the valve has been rotated substantially a quarter of a revolution.

1,583,942. CARD HOLDER FOR AUTOMOBILES. PORTER M. TRAVIS, Sherman, Tex. Filed June 16, 1925. Serial No. 37,449. 3 Claims. (Cl. 40—13.)



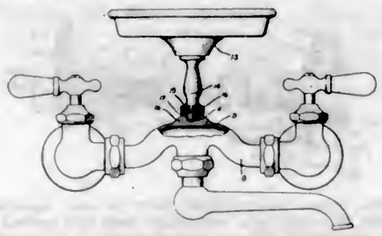
1. A card holder for automobiles comprising a casing having a depression in the face, a cover for said depression comprising a frame having its edges turned over to form a housing for a cover glass, and a pintle disposed lengthwise within one of said turned over edges and extending through openings in the casing and forming a hinge for said cover, substantially as set forth.

1,583,943. DISPLAY RACK. GEORGE H. UHLER, Marion, Ohio. Filed Jan. 5, 1923. Serial No. 610,825. 7 Claims. (Cl. 211—23.)



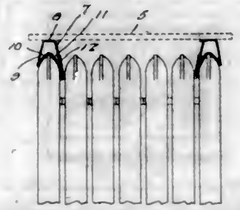
1. A display rack comprising a main support upon which a plurality of rugs may be flatly spread out in a pile, a supplemental support movably connected with the main support contiguous to the bottom thereof and adapted to normally rest by gravity upon the topmost rug of the pile in such a position that any number of said rugs from the top down may be folded backwardly over it, and means connected with the supplemental support for moving it with respect to the main support so as to remove the folded over rugs to expose the topmost one of the rugs remaining in the main support.

1,583,944. SINK FIXTURE. WILLIAM F. VAN EWEYK, Milwaukee, Wis., assignor to Milwaukee Brass Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 1, 1925. Serial No. 27,300. 4 Claims. (Cl. 4—191.)



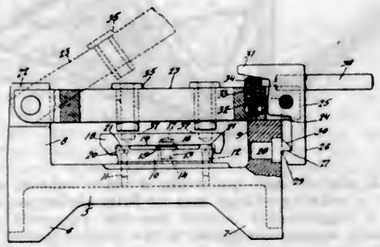
1. A sink fixture, comprising a faucet member, a soap dish member, and a revoluble member removably engaging the faucet member and the soap dish members.

1,583,945. BRACKET. PATRICK J. WALSH, Morris, Ill. Filed Sept. 9, 1925. Serial No. 55,278. 1 Claim. (Cl. 248—30.)



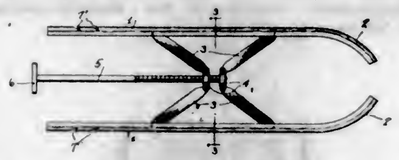
A bracket formed from a single sheet of material bent to provide an upright plate merging into a horizontal plate, said horizontal plate merging into a second upright plate disposed obliquely to the first upright plate, and depending from the horizontal plate, said second upright plate merging into a bottom plate inclined upwardly and toward the first upright plate, said bottom plate merging into a second plate inclined downwardly and toward the first upright plate, and said second bottom plate merging into an upwardly extending plate overlapping the outer face of the first upright plate and terminating a distance below the horizontal plate.

1,583,946. JIG. VERNON E. WALTERS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 16, 1921. Serial No. 485,322. 3 Claims. (Cl. 77—62.)



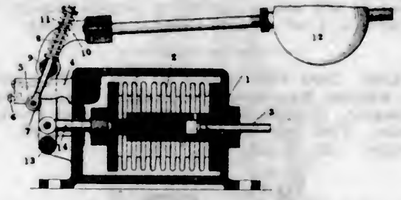
1. A work-holding device comprising two members, one of which is provided with tool guiding means, said members being hingedly connected on one side of the tool guiding means, and means for retaining said members in work-holding relation including a keeper on one member, a latch pivoted to the other member, spring means acting upon said latch and operative to force the latch into engagement with the keeper, and a handle for said latch whereby the latch may be disengaged in opposition to the action of said spring means and said members may be separated.

1,583,947. PELT STRETCHER. CLAUDE E. WATSON, Centralia, Ill. Filed Feb. 17, 1923. Serial No. 619,655. 1 Claim. (Cl. 149—21.)



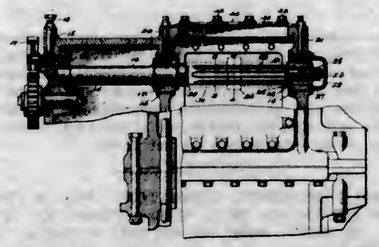
A stretcher of the character set forth comprising a pair of channel-shaped side bars having their channels disposed in opposed relation, a screw shaft, a collar journaled on the end of the shaft and having laterally disposed slots, a second collar threadedly carried by the shaft and having laterally disposed slots in parallelism with those of the first mentioned collars, links having tapering ends seated within the channels of the side bars and slots of the collars, pivotal elements connecting the links at their outer ends to the side bars and their inner ends to the collars with their tapered sides opposed to the walls of the side bars and collars, and a handle on the outer end of the shaft.

1,583,948. ELECTRIC SWITCH. GEORGE E. WEISSENBURGER, Keokuk, Iowa. Filed Nov. 20, 1922. Serial No. 602,153. 5 Claims. (Cl. 200—68.)



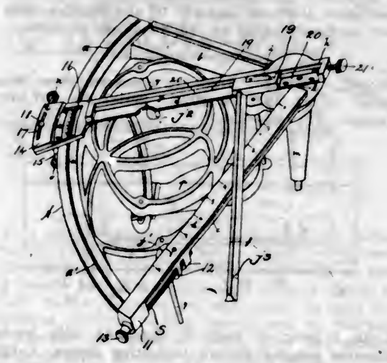
1. A switch mechanism comprising a stationary contact, a movable contact, a pivoted switch arm, a member carrying said movable contact and slidably and pivotally mounted on said switch arm, and resilient means tending to impel the movable contact toward the last named pivot point.

1,583,949. CAM SHAFT FOR TEST ENGINES. GLENN D. ANGLE, Dayton, Ohio. Filed Dec. 30, 1920. Serial No. 434,133. 3 Claims. (Cl. 123—90.)



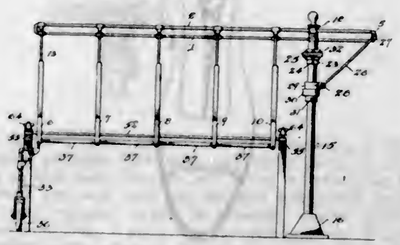
2. In a testing engine, a cam shaft and cam shaft bearings removable from and replaceable in the engine crank case by an endwise movement of said shaft, a cam slidable on and off said shaft by movement longitudinally of the shaft, and means for holding said cam and cam shaft bearings in properly assembled relation to each other and said shaft.

1,582,050. QUADRANT. TOSHIICHI ARIMITSU, Yokohama, Japan, assignor to Nippon Yusen Co. Ltd., Tokyo, Japan. Filed Mar. 31, 1919. Serial No. 286,402. 3 Claims. (Cl. 33—97.)



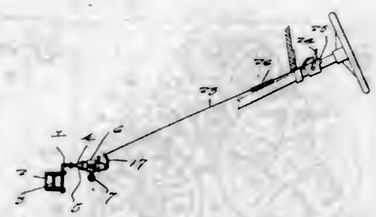
1. In an apparatus of the character described, a quadrant consisting of angularly disposed arms and a graduated arc connecting said arms, an index arm pivoted at the center of the quadrant and movable over the arc thereof, a vernier carried adjacent the arc engaging end of the index arm and associated with the graduations of said arc for indicating the angle of the index arm, a graduated index slidable on one of the arms of said quadrant, said last mentioned arm having a point of unit indication associated therewith, means for adjusting the slidable index with respect to said arm, and a pointer carried by and movable longitudinally of said index arm and disposed in fixed angular relation with respect thereto, said pointer being movable over the slidable index.

1,583,951. STARTING GATE. AUGUST T. J. BAHR, St. Louis, Mo., assignor of three-fourths to John Howard Quinn, St. Louis, Mo. Filed Feb. 21, 1925. Serial No. 10,783. 8 Claims. (Cl. 39—1.)



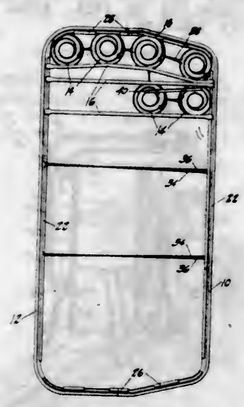
1. In a portable rotary starting gate, the combination with a fixed post having a bearing, of a pintle having bearings thereon for co-action with the first bearing, a horizontal gate beam, spaced partitions supported from said beam to form stalls, and means for temporarily holding the stalls in starting position.

1,583,952. STEERING-GEAR HOLDER. VACLAV BARES, Schulenburg, Tex. Filed July 31, 1925. Serial No. 47,303. 2 Claims. (Cl. 280—89.)



1. A steering gear holder for an automobile comprising a support, spaced shoes carried by the support and having corrugations, a pair of opposed bowed strip members provided with corrugations which engage the corrugations of the shoes, means for mounting the strip member, and means operable to separate the spaced shoes to disengage them from the bowed strips.

1,583,953. SPRING-SEAT STRUCTURE. LLOYD BLACKMORE, Highland Park, and FRED A. VOELKE, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 12, 1923. Serial No. 651,108. 3 Claims. (Cl. 155—181.)

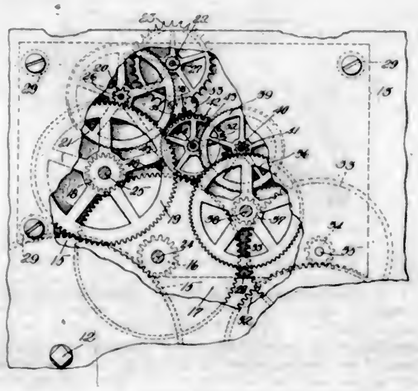


1. A spring construction comprising, in combination, a pair of outer frame members arranged with their ends in abutting relation, and spring supporting cross members arranged to bridge the joints between said abutting ends at opposite ends of the frame and connected to both of the frame members to form joints therebetween.

1,583,954. TIME-CONTROLLED MOTOR. FREDERICK W. BOLD, Chelsea, Mass., assignor to Boston Clock Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 10, 1923. Serial No. 673,961. 18 Claims. (Cl. 185—38.)

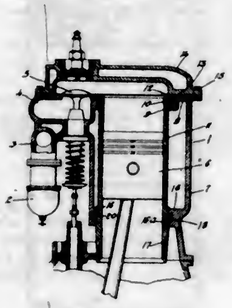
1. A time-controlled power motor comprising a power driven mechanism, a separate time governed mechanism

and an intermediate let-off device constructed and arranged to obstruct and release alternately said power



driven mechanism, said time governed mechanism having an element constructed and arranged to obstruct and release alternately said let-off device.

1,583,955. INTERNAL-COMBUSTION ENGINE. ARTHUR A. BULL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 30, 1922. Serial No. 597,968. 1 Claim. (Cl. 123—173.)

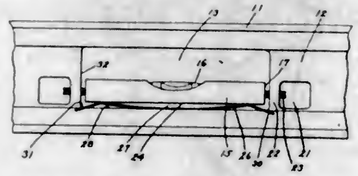


In a device of the class described an engine casing provided with internal flanges at its upper end and adjacent its lower end, said flanges having alined openings therethrough, the peripheral wall of the lower of said openings being provided with a recess, a cylinder having a tapered lower end removably mounted in said openings, a cylinder head engaging the upper end of said cylinder to force it downward, an annular rubber gasket provided with parallel ribs on its outer periphery seated in said recess, the external diameter of said gasket being substantially that of said groove and its internal diameter less than the external diameter of said cylinder, whereby when said cylinder is seated in said openings, said gasket is placed under both compression and tension for forming a water tight joint between said cylinder and one of said flanges.

1,583,956. MOUTHPIECE FOR CIGAR HOLDERS, CIGARETTE HOLDERS, AND PIPES. JAMES KENDALL BURGESS, Montclair, N. J. Filed May 12, 1924. Serial No. 712,518. 2 Claims. (Cl. 131—10.)

1. A durable pre-formed mouthpiece for smoker's use whose outer surfaces conform to and register with the dental configuration of an individual set of teeth.

1,583,957. LEVEL. JOHN H. CARRIER, New Britain, Conn. Filed Apr. 18, 1924. Serial No. 707,340. 4 Claims. (Cl. 33—214.)

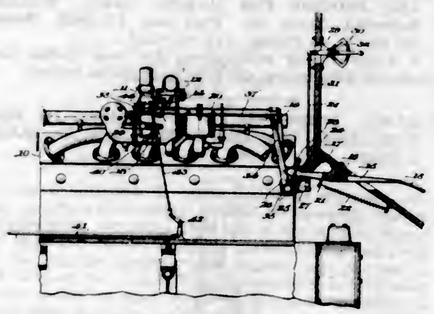


1. In a lever, a body of elongated form having a transverse opening for an indicating device, a tubular casing for said device, said casing being positioned in said opening and in spaced relation to the bottom border edge thereof and having sockets in the ends, end walls of said opening being opposed to said ends of the casing, clamping screws being entered through the material of said end walls and engaged by their free ends with said sockets, and a spring housed within the space between said casing and border edge serving to cooperate with said screws for positioning said casing relatively to said body.

1,583,958. SHOE. ANGELO CASCIA, Philadelphia, Pa. Filed Feb. 10, 1921. Serial No. 443,844. 1 Claim. (Cl. 24—140.)

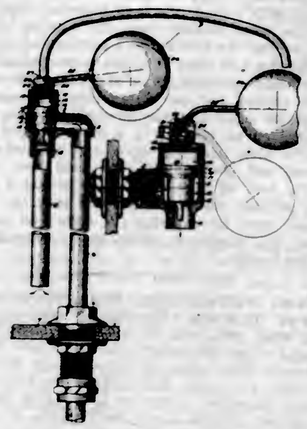
In combination with the side flaps of a shoe upper, a pair of thicknesses of material, one secured to each inner side of each of the side flaps of the shoe upper, eyelets secured in said thicknesses in spaced relation, the edge of the thicknesses being stitched to the edges of the flaps at equi-distant points between the eyelets for the purpose set forth.

1,583,959. HYDROCARBON MOTOR. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 7, 1917. Serial No. 184,984. 13 Claims. (Cl. 123—98.)



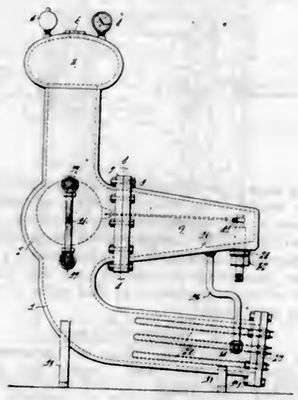
1. In a hydrocarbon engine, in combination a carbureter having a throttle valve and a choke valve, means for operating said throttle valve comprising a pedal, spring means normally closing said throttle valve, and auxiliary means operative on said pedal to hold it in any desired position, having connections to the choke valve whereby the latter is closed when the auxiliary means is operated to open the throttle valve.

1,583,960. VALVE. DANIEL P. CORCORAN, Gridley, Calif. Filed Aug. 14, 1924. Serial No. 731,922. 10 Claims. (Cl. 137—104.)



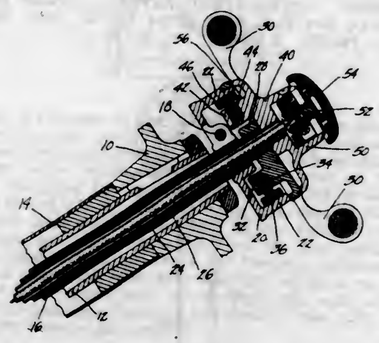
1. A valve comprising a valve body enclosing a valve chamber provided with inlet and outlet ports, a valve seat in said body between said ports, a valve plug associated with said seat and disposed within said chamber, said chamber having a generally conical portion above said plug, a piston on the plug disposed in said generally conical chamber, the inlet port opening into the chamber below the piston, the pressure of the liquid entering the inlet port serving to force liquid past the piston into the chamber above the piston, depressing the piston and moving the valve against its seat, the chamber above the piston being provided with a vent and a float for controlling the opening and closing of the vent to control the pressure in the cylinder above the piston.

1,583,961. ELECTRIC STEAM GENERATOR. GEORGE H. CROWELL, Berlin, N. H. Filed Apr. 15, 1925. Serial No. 23,411. 6 Claims. (Cl. 219—38.)



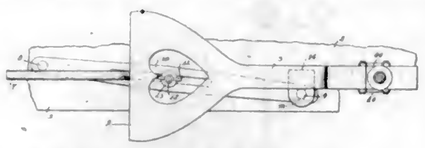
1. In electric steam generators, a housing having an upright portion and an approximately horizontal base portion, said upright portion having a steam dome at the top and a float chamber below the dome, a supplemental housing portion projecting from the float chamber part of the upright portion, a water inlet valve within said supplemental housing, a float lever mounted in said supplemental housing for operating said valve and a float on said lever located within said float chamber, a return flow duct to said approximately horizontal base portion, a cold water duct from said supplemental housing to said return flow duct, substantially as shown and described.

1,583,962. STEERING GEAR. HARRY M. DENYES, Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 18, 1924. Serial No. 732,791. 6 Claims. (Cl. 74—39.)



1. A steering assembly comprising, in combination, a steering wheel and a steering column rotated thereby, a stationary supporting tube within the steering column, a member having an upwardly-extending flange and which is secured to the top of the supporting tube above the steering wheel, coaxial control members extending through the supporting tube, an operating member secured to the top of each control member, and friction members carried respectively by said operating members and urged radially outward against the inside of said stationary upwardly-extending flange.

1,583,963. APPARATUS FOR GRINDING AND POLISHING PRECIOUS STONES. WILLIAM ARTHUR DONALDSON, Brooklyn, N. Y. Filed May 7, 1923. Serial No. 637,238. 5 Claims. (Cl. 51—229.)

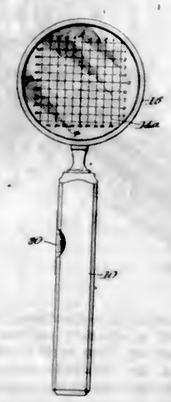


1. In an apparatus for grinding and polishing precious stones, in combination with a bracket adapted for extension over a lap, a rotatable and vertically adjustable spindle having a head embodying an elongated guide, a slide horizontally adjustable on said guide, a swinging dop holder, and means connecting said dop holder with said guide whereby movement of said slide automatically swings the dop holder.

1,583,964. STOP GAUGE. JOHN T. DRIGGERS, Tampa, Fla. Filed Feb. 24, 1925. Serial No. 11,326. 9 Claims. (Cl. 143—168.)

9. In a stop gauge combination of a supporting rod, a base upon which the rod is mounted in spaced relation thereabove, a plurality of stop blocks apertured for pivotal mounting at an end of each on said supporting rod, means to clamp each of said stop blocks in a rigid relation on said supporting rod, each of said blocks having a lower surface sloping from adjacent said rod to the outer end thereof and adapted to be diagonally positioned with respect to the plane of the top surface of the base, each of said stop blocks having a top work supporting surface horizontally positioned when the stop blocks rest upon said base as indicated and a side stop edge transversely of the top work supporting edge.

1,583,965. OPTICAL APPARATUS. HALBERT LOUIS DUNN, New York, N. Y. Filed Apr. 21, 1924. Serial No. 708,031. 2 Claims. (Cl. 33—64.)

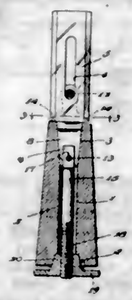


1. A device of the character described, comprising a cylindrical member provided on its outer surface with a scale denoting angular degrees about the axis of the cylinder as center, and transparent elements revolubly mounted in the said member independently of each other, and an index on each element overlying the said scale, each of said elements bearing indicia including a line passing through the axis of the cylindrical member.

1,583,966. IMPREGNATED-WOOD BRAKE LINING AND PROCESS FOR MAKING SAME. WILLIAM EICHHOLZ, Cicero, Ill. Filed Aug. 17, 1925. Serial No. 50,830. 3 Claims. (Cl. 91—70.)

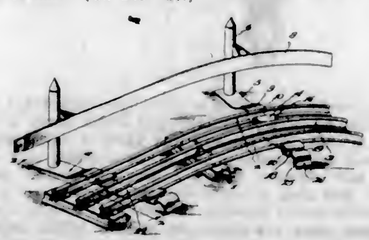
2. A hard wood brake lining for door checks, impregnated with tallow, and free from excess thereof.

1,583,967. KNIFE. ROBERT EDWARD EPPS, Jr., Bellbuckle, Tenn. Filed Aug. 5, 1925. Serial No. 48,333. 4 Claims. (Cl. 30—9.)



1. In a blade holder, a handle including a body formed with a longitudinally extending bore, a blade holding head having a tapered portion adapted to extend into the forward end portion of the bore of said body for wedging engagement with the walls thereof, said head being formed of longitudinally extending jaw members movable towards and away from each other for gripping engagement with a blade disposed between their forward end portions when wedged into the bore of said body, said jaws having the forward end portions of their inner faces contacting and their rear end portions spaced from each other, pins extending from the end portions of the inner face of one jaw for fitting into openings in end portions of the other jaw, the forward pin being adapted to pass through an opening in a blade gripped between the jaws, a stem mounted upon the pin between the spaced rear end portions of said head and extending through the bore of said handle and having a threaded outer end portions, and a nut screwed upon the threaded end of said stem for drawing the stem and head rearwardly of the handle to effect tight wedging of the head in the handle.

1,583,968. GUARD-RAIL STRUCTURE FOR TOY RAILWAY TRACKS. WALTER M. FISCHBACH, Milwaukee, Wis. Filed Dec. 11, 1924. Serial No. 755,284. 13 Claims. (Cl. 238—17.)

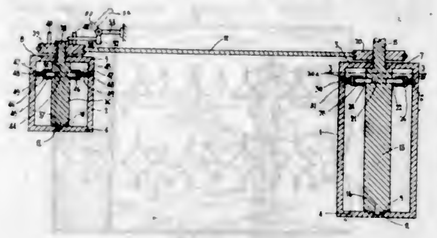


1. A guard rail structure for toy railways comprising a base member embodying a resilient seat to accommodate a member of the track to which the structure is to be adapted, and a guard rail supported upon the base member.

1,583,969. METALLIC SHINGLE. OLIVER P. GREENSTREET, Owensville, Mo., assignor of one-half to Joseph T. Tate, Owensville, Mo. Filed Dec. 1, 1925. Serial No. 72,530. 2 Claims. (Cl. 108—17.)

1. A metallic shingle of the character described having on one lateral margin thereof an upwardly convex, longitudinally extending bead and a flat portion beyond the bead and the other margin thereof having the metal of the shingle inwardly bent beneath and parallel to the body of the shingle, then downwardly and laterally curved below the plane of the shingle and extending upward below the plane of the shingle to form an exterior wall, the exterior wall of one shingle being adapted to fit within the bead of the other shingle.

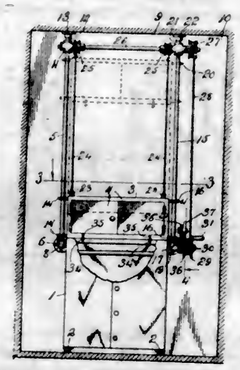
1,583,970. ADVERTISING DEVICE. CHARLES EDWARD HAGGERTY, Vancouver, British Columbia, Canada. Filed Feb. 4, 1925. Serial No. 6,770. 2 Claims. (Cl. 40—68.)



1. An advertising device comprising, a rotatable shaft having a circumferential groove in the bottom of which are spaced undercut seats, said shaft being provided with a sheave and an extension extending through the sheave on the end of which sign boards are mounted, a second rotatable shaft spaced from the first-mentioned one also having a circumferential groove in the bottom of which are spaced undercut seats, said second shaft being provided with a handled sheave, a rope passed around said sheaves, a stationary enclosing casing for each shaft, a plurality of jawed member carried freely on the walls of the respective casings opposite the shaft groove, there being as many jawed members as there are undercut seats in the shaft groove, rollers carried by said jawed members seated in the shaft groove adapted when in registration to engage said undercut seats, and springs mounted between the casing walls and the said jawed members.

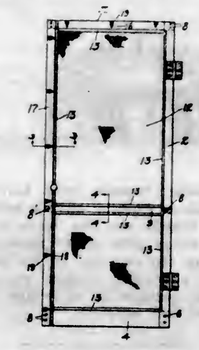
1,583,971. WARDROBE APPARATUS. WILLIAM F. HAMMOND and MARGARET LINCOLN BARBER, Kansas City, Mo. Filed June 7, 1924. Serial No. 718,488. 3 Claims. (Cl. 45—87.)

1. In a wardrobe apparatus, a portable wardrobe having a hook and a recess, a vertically movable supporting member having a hook entering said recess and having a recess receiving the hook of the wardrobe, whereby the wardrobe may be releasably attached to and suspended



from the supporting member, and means for raising said supporting member to and for holding it in an elevated position.

1,583,972. METAL-FRAME SCREEN. EMIL HOLADAY and LLOYD S. WHIPP, Springfield, Ohio. Filed Apr. 28, 1924. Serial No. 709,367. 5 Claims. (Cl. 156—14.)

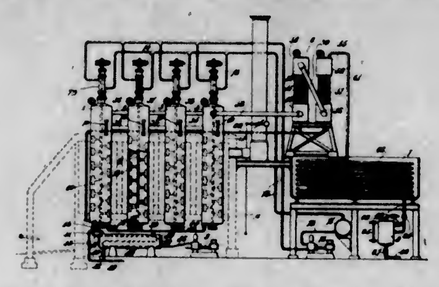


1. In a structure of the character described, a frame consisting of top, bottom and side members, each of said members consisting of sheet metal bent to tubular shape to form outer, inner and side walls, the edge of the inner wall being bent inwardly at right angles to said wall adjacent one of the side walls, the edge of that side wall being extended inwardly in the plane of the wall and then bent backwardly upon the bent portion of the inner wall to provide a flat inwardly projecting ledge of substantial size, the outer face of which is in line with the outer face of the said side wall, and means for removably securing the edges of wire cloth to the outer faces of said ledges.

1,583,973. APPARATUS FOR CRACKING OILS. RALPH C. HOLMES, New York, N. Y., and FREDERICK T. MANLEY, Houston, Tex., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed June 26, 1919. Serial No. 306,936. 27 Claims. (Cl. 196—106.)

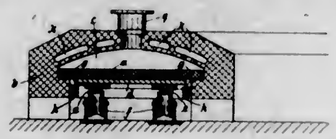
16. In an apparatus for cracking oils, a plurality of vertically disposed retorts, overflow pipes connecting said retorts in series, pipe connections between the vapor spaces of said retorts, means for heating said retorts

below said overflow pipes adapted to impart most heat to the first retort of the series; means for supplying oil under pressure to the first retort of the series and causing it to pass progressively through the other retorts,



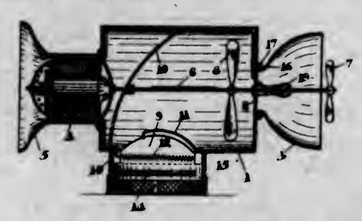
means for drawing off the vapors as they are evolved from the retorts, means for separating out the unconverted portions of said vapors and returning them to the bottom of the first retort for treatment, and means for condensing the remaining vapors under pressure.

1,583,974. ANNULAR FURNACE WITH REVOLVING HEARTH FOR CONTINUOUS WORKING. LUDWIG HONIGMANN, Bad Tolz, Bichlerhof, Germany. Filed May 20, 1924. Serial No. 714,648. 5 Claims. (Cl. 263—22.)



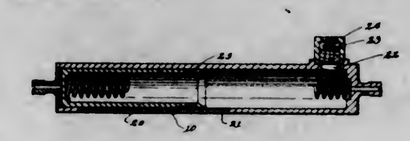
1. In an annular furnace with revolving annular hearth for continuous working having sealing means between the said hearth and the walls of the annular chamber within which said hearth revolves and having means for heating the material on the hearth directly, the provision of a heating conduit above the annular chamber for the purpose of providing an additional heating means for said material.

1,583,975. INSECT AND GERM TRAP AND DESTROYER. RICHARD ERNEST HUNT, Toronto, Ontario, Canada. Filed Apr. 21, 1924. Serial No. 707,982. 7 Claims. (Cl. 43—139.)



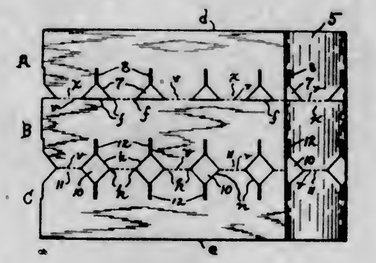
1. In a device of the character described, the combination of a casing constructed of an imperforate material having an inlet opening and a discharge opening formed therein; incinerating means located adjacent the discharge opening, said incinerating means being adapted to allow the ashes to pass therethrough; and means for receiving ashes after they pass through said incinerating means.

1,583,976. HYDRAULIC BRAKE SAFETY DEVICE. ROBERT KAUCH and CHARLES L. PAULUS, Dayton, Ohio. Filed July 17, 1924. Serial No. 726,549. 4 Claims. (Cl. 188—152.)



4. In a hydraulic brake system, means for isolating one portion of the braking system from the remainder thereof, comprising a cylinder block, attaching means for each end thereof, a fluid passage in each attaching means leading to the cylinder, a piston in said cylinder operable longitudinally thereof, a compression spring urging said piston to a normal position at one end of the cylinder, said spring being located between the piston head and the remote end of the cylinder block, and a small groove in the side of said cylinder, the length of said groove being slightly greater than the length of the piston so that fluid may be slowly supplied from one end of the piston to the other, said piston being adapted to close an end of said by-pass when at either end of the cylinder and also when near the said remote end.

1,583,977. METHOD OF PREPARING ROOFING SHEETS. HARRY G. KELLY, Omaha, Nebr. Filed July 2, 1924. Serial No. 723,821. 2 Claims. (Cl. 164—18.)

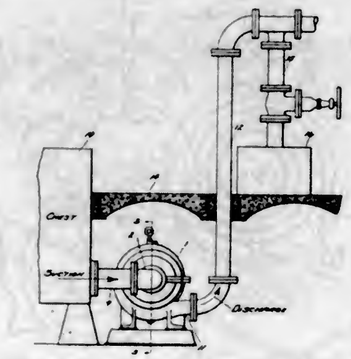


1. The herein described method of preparing sheets to be rolled into packages and when unrolled to be separated into strips having ornamental borders, which consists in forming two lines of perforations in said sheet approximately equi-distant from its longitudinal edges to provide three sections approximately of equal width, incising the sheet to form apertures providing uniform areas in two of the sections at opposed parts of a perforated line, and incising said sheet to form apertures providing uniform areas in the remaining section at one side of the remaining perforated line, said last named apertures having the form of the apertures in the two sections first named.

1,583,978. PAPER-MILL PUMP. ALEXANDER X. KENNEDY, Tyrone, Pa., assignor to William A. Riddell, Frederick, Md. Filed Dec. 15, 1923. Serial No. 681,000. 5 Claims. (Cl. 92—20.)

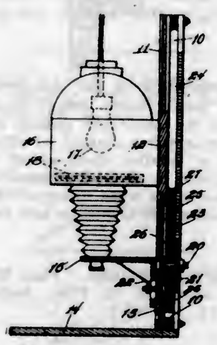
1. In a system for forcing paper stock through a paper mill, the combination with a paper mill of a casing, a rotatable shaft, a single bearing in one side of said casing for said shaft, a suction pipe in the opposite side of said casing, an impeller carried by said shaft within said casing, a combined propeller and paper mill pulp beater carried by said shaft adjacent its extremity, said combined propeller and paper pulp beater being spaced

from said impeller in such manner that paper stock is formed in a compact column between said impeller and said propeller, said column being continuously diminished



at one end by said impeller at a rate proportional to the speed at which it is built up at the other end by operation of said propeller whereby said paper stock is continuously moved through the mill.

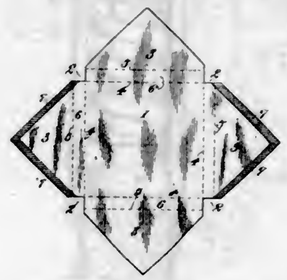
1,583,979. COMBINED PHOTOGRAPHIC PRINTER AND ENLARGER. CHARLES A. LAKE, Baltimore, Md. Filed Jan. 31, 1924. Serial No. 689,727. 3 Claims. (Cl. 88—24.)



1. Photographic printing apparatus comprising a support constructed to provide tracks, an easel secured to the support, a pair of slides mounted in said tracks and adjustable toward and away from the easel, a lens board carried by one of the slides, a light box carried by the other of the slides, a rack secured to the support, a pinion carried by the first named slide and engaging the rack, and a cam secured to the pinion and directly engaged with the second slide.

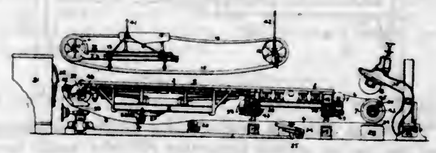
1,583,980. PACKING PAD. WILLIAM E. LEIBING and LEROY CARLTON TAGGART, Oakland, Calif. Filed May 21, 1923. Serial No. 640,406. 1 Claim. (Cl. 154—54.)

A substantially rectangular non-crowned packing pad, including a body of substantially rectangular readily yielding material, and a paper cover for said body formed of a rectangular sheet of substantially larger size than said body, the central portion of the side edges of the sheet being formed with V-shaped notches, the side edges of said V-shaped notches defining the width of the edge portions of the body, the rectangular central portion of the sheet indicated by the lines joining the inner corners of the notches defining one face of the cover, the triangular corner portions formed beyond the edge forming portions of the sheet being adapted for cooperation



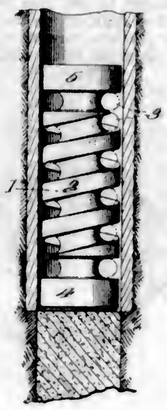
to form the other face of the pad, the free edges of all of the corner portions extending in overlapping relation diagonally of the pad, and a pair of opposite corner portions having the overlapped edges provided with adhesive for securing all of said corner portions in cooperating relation to secure for the cover on the body for producing a pad using a minimum amount of adhesive.

1,583,981. FOURDRINIER PAPER-MAKING MACHINE. HARRY LIEBECK, Swarthmore, Pa., assignor, by mesne assignments, to Scott Paper Company, a Corporation of Pennsylvania, Incorporated in 1922. Filed Dec. 7, 1921. Serial No. 520,476. 12 Claims. (Cl. 92—44.)



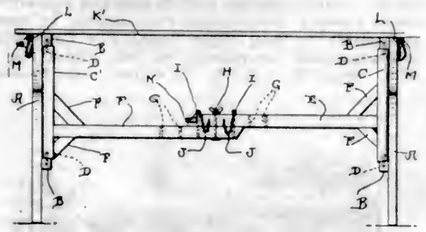
1. The herein described method of replacing an apron in a Fourdrinier machine, the same consisting in raising the deckle straps and associated parts clear of the roll supporting frame and rolls thereof, upwardly lifting the entire length of said roll supporting frame together with its rolls and operative parts along one side of the machine and opening said side of the machine along its whole length from the breast roll to and including the couch roll supports at points below the wire supporting rolls and supporting frame therefor without disturbing the relation of the operative parts in the direction of the length of the machine, moving an endless apron sidewise into operative position above and below the table rolls and about the breast and couch rolls and while doing so moving its lower portion laterally through the opening in the side frame of the machine and its upper portion over the table rolls and their supporting frame and during such movement holding the apron in its fully extended condition, and thereafter adjusting the main frame to a normally closed condition by lowering the table rolls and supporting frame for the whole length of the same and readjusting the deckle straps and associated parts into their operative positions.

1,583,982. PLUG FOR WELLS. WILLIAM G. LONG, Tulsa, Okla. Filed June 30, 1924. Serial No. 723,257. 3 Claims. (Cl. 166—13.)



1. A plug for wells comprising a circumferentially grooved body formed of malleable material, a packing arranged within said groove, said body being adapted to be compressed to expand the body and compress the packing material carried by the groove.

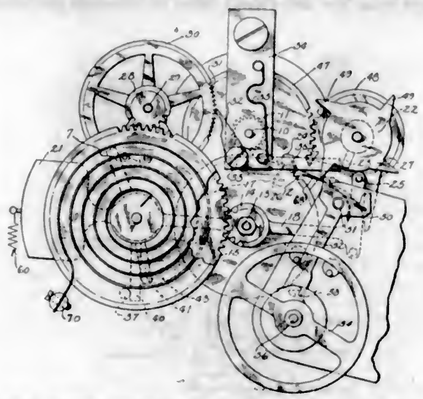
1,583,983. IRONING-BOARD SUPPORT. ORAL R. LOTT, Victoria, Tex. Filed Oct. 25, 1921. Serial No. 510,387. 1 Claim. (Cl. 68—10.)



The herein described ironing board support comprising end legs having crossed supporting elements, braces connecting the crossed elements at their upper ends and below their intersections, pintles projecting oppositely from the braces of each leg, a frame element trunnioned on each pair of pintles, a beam secured to and projecting at right angles from each frame element on different horizontal planes, the said beams being assembled in superimposed relation and each having a plurality of apertures, a pivot extending through two coinciding apertures of the beams and locking pins in other coinciding apertures of the beams for holding the beam sections rigid when set up for use, and means for fastening an ironing board on the top of the upper tie bars, substantially as described.

1,583,984. CHRONOMETRIC INDICATING INSTRUMENT. GEORGE P. LUCKEY, Dayton, Ohio. Filed Nov. 16, 1925. Serial No. 69,423. 16 Claims. (Cl. 235—104.)

1. In an instrument for indicating the number of movements of one operation in relation to the number of movements of a second operation, a driving member, a gear, a positioning member which is driven forward through said gear by said driving member during each of a plurality of movements of said operation, and permitted to return to a pre-determined position after said movement, an indicating member positioned by said positioning member, and means controlled by the movements

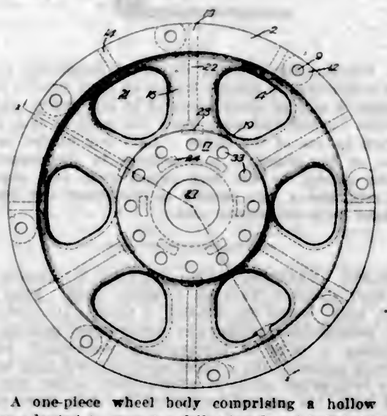


of said second operation for bodily moving said gear to disconnect it from said driving member, while said gear is still engaged with said positioning member.

1,583,985. INTERLOCKING BONDING BLOCK. HUGH R. MCLACHLAN, Pittsburgh, Pa. Filed June 11, 1925. Serial No. 36,390. 5 Claims. (Cl. 72—102.)

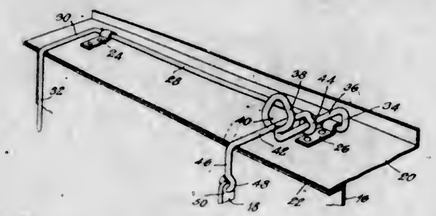
4. In a bonding-block of the character described, a male part; a female part; means formed integrally with said parts for removably locking them together; said locking means being adapted to afford a predetermined amount of relative displacement of said parts in all directions and to permit the imposition of loads on either one of said parts when unsupported, and reinforcing means imbedded individually in said male and female parts.

1,583,986. VEHICLE WHEEL. FERD H. MEYER, Oakland, Calif. Filed Jan. 29, 1924. Serial No. 689,264. 8 Claims. (Cl. 301—65.)



2. A one-piece wheel body comprising a hollow rim portion adapted to mount a felloe band and bolt-held tire-rim lugs, a hollow hub portion adapted to mount a bolt-held driving flange on each lateral side thereof, and integral posts disposed laterally across the hollow hub and rim portions to carry the compressive stresses of the fastening bolts of the tire-rim lugs and driving flanges.

1,583,987. COUPLER-OPERATING MECHANISM. ANDREW J. MONFEE, Pratt City, Ala. Filed Oct. 22, 1924. Serial No. 745,160. 5 Claims. (Cl. 213—169.)



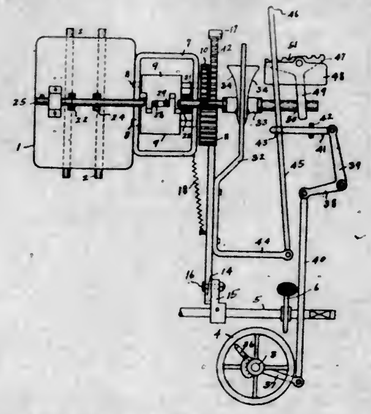
3. A car coupler operating mechanism comprising a hand operable shaft mounted on the car above and to the rear of the end sill of the car, an inner crank arm integral with said shaft extending longitudinally and centrally of the car and terminating in an upstanding eye located to the rear of the car end, a floating link extending through said eye and having two downwardly extending portions one of which loosely embraces said crank arm and the other of which engages the coupler locking pin.

1,583,988. TIRE PATCH. LEE REED MOORE, Kansas City, Kans. Filed May 18, 1925. Serial No. 31,035. 9 Claims. (Cl. 152—24.)

6. A tire patch comprising a body and two flaps respectively joined to opposite edges of the body, one of the flaps having on its inner side a layer of adhesive material adapted to adhere to the outer side of the body, the outer side of the other flap having a layer of adhesive material adapted to adhere to the inner side of the body.

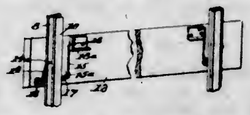
1,583,989. GEAR-SHIFTING DEVICE. WALTER F. MOTTIER, El Campo, Tex. Filed Feb. 1, 1924. Serial No. 690,095. 15 Claims. (Cl. 74—58.)

1. In a gear shifting device, shift arms in operative connection with the gears to be shifted, shiftable members in operative connection with said arms, means adapted to actuate said members to effect relative movement of said arms and means for moving said shiftable members into different positions in relation to said actuating



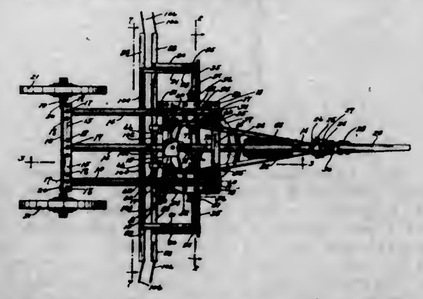
means, and means, under the control of the operator, for predetermining the operation of said moving means, and through which said positions may be selected.

1,583,990. FREIGHT-CAR DOOR. MELVIN E. MUNDT and JOHN V. CIZEK, Clutier, Iowa. Filed Dec. 7, 1922. Serial No. 605,485. 2 Claims. (Cl. 20—32.)



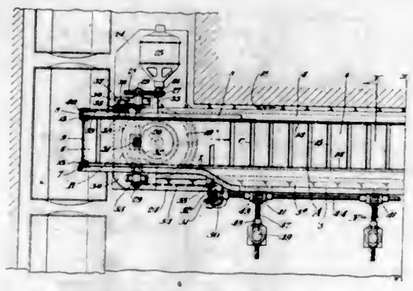
1. In a car-door, the combination with a transversely disposed door-slat and guide-rails therefor, of spring fingers to hold the slat in contact with the rails, said fingers having coil-connected members disposed substantially parallel with the guide-rails, one member attached to the slat, and the other having a lateral hook to engage the rail slidably.

1,583,991. ROAD GRADER. EDWARD M. ORTON, Minneapolis, Minn. Filed Mar. 5, 1925. Serial No. 13,362. 6 Claims. (Cl. 37—176.)



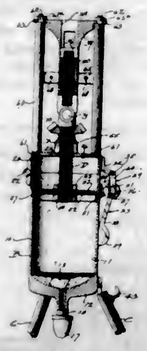
1. A road grader comprising a truck, a scraper blade, a pair of spool-equipped shafts journaled on the truck, means for operating the shafts, a pair of hanger bars attached to the scraper blade, extending between the flanges of the spools and guided thereby and cables arranged to be intermediately wound on the spools and having their ends attached to the hanger bars above and below the spools.

1,583,992. MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Dec. 13, 1924. Serial No. 755,694. 8 Claims. (Cl. 262—28.)



1. In a mining machine of the longwall type having a main frame including a bottom plate, a pair of spaced cutter chain guide bars, one of said guide bars being mounted along the forward edge of said bottom plate and the other of said bars being spaced materially to the rear of said first named bar, a cutter chain trained over sprockets adjacent each end of said frame and around the outside faces of said guide bars, said guide bars being divided longitudinally along a horizontal plane, a conveyer plate extending between said bars and having its longitudinal edges secured between the parts of said bars, and an endless conveyer trained over suitable sprockets between said guide bars and adapted to travel longitudinally of said frame, said conveyer having a width substantially equal to the space between said guide bars.

1,583,993. GREASE GUN. FLOYD PHARISS, Waurika, Okla. Filed July 6, 1923. Serial No. 649,922. 2 Claims. (Cl. 221—47.1.)

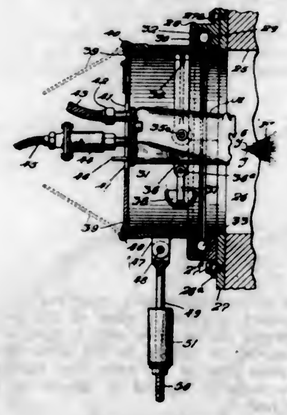


1. In a grease gun the combination of a receptacle portion providing a compartment therein, a closure for said receptacle to close the compartment thereof, a plunger head slidable in the receptacle compartment, a screw threaded stem connected with said plunger head and vertically extending in slidable relation through said closure exteriorly of the receptacle compartment, standards supported in upwardly extending relation by the closure, an elongated guide frame carried by the upper ends of said standards extending in axially aligning relation with said screw threaded stem, said guide frame having a passageway therethrough into which the upper end of the screw threaded stem extends, means slidably connecting the screw threaded stem in said passageway of the guide frame to prevent rotation of the screw threaded stem, said guide frame being supported by said standard so that the lower end thereof is in spaced relation above closure, a gear rotatably supported in screw threaded engagement with said screw threaded stem between the lower end of said guide frame and the closure in movable abutment with the closure and lower end of the guide frame to prevent relative movement therebetween longitudinally of the screw threaded stem, and means for rotating the said gear to feed the screw stem and plunger longitudinally of the receptacle.

1,583,994. VEHICLE WHEEL. VICTOR E. RANDALL, Battle Creek, Mich. Filed Sept. 27, 1924. Serial No. 740,304. 3 Claims. (Cl. 301—11.)

1. A demountable rim compriaing two annular sections having outer tire-retaining flanges and inner depending ribs adapted to abut, a retaining ring having a circumferential channel adapted to fit over the abutting ribs of said rim sections and formed with interiorly-extending lugs having transversely-disposed bolting holes, said ring being severed at one place in its formation.

1,583,995. METHOD OF AND APPARATUS FOR ATOMIZING AND BURNING FUEL OIL. ERNEST ANDREW REID, London, England. Filed Oct. 22, 1924. Serial No. 745,061. 1 Claim. (Cl. 158—73.)



The combination of an atomizing fuel oil burner with a boiler setting having an opening for the operating end of the burner; means for pivoting the burner in a horizontal position and automatically maintaining it in an approximately horizontal position against forces tending to move it from its normal position; a rockable carrier to which said pivoting means are fixed; and means for automatically maintaining the rockable carrier in position to keep the burner approximately horizontal; the burner being pivotally connected with said pivoting means at an angle to the axis of the rockable carrier.

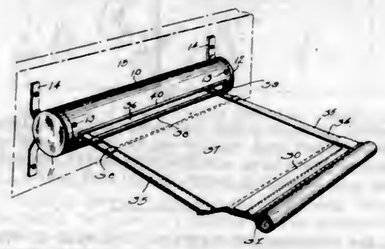
1,583,996. VERTICAL FUEL-OIL BURNER. ERNEST ANDREW REID, London, England. Filed Oct. 22, 1924. Serial No. 745,062. 3 Claims. (Cl. 158—75.)

3. As a new article of manufacture, a vertical, fuel oil burner comprising an upstanding, atomizing fluid conduit provided with upwardly discharging jet orifices and with laterally outward, discharging jet orifices spaced apart from the upwardly discharging jet orifices; an upstanding, fuel oil conduit having its discharge end in the upper surface of a top wall of the burner top; said burner top having a wall sloping downwardly and forming an oil film supporting surface, said surface being provided at its bottom with an oil film delivering lip located to discharge the same as a thin oil curtain at the points of intersection of said jets; and for the upward discharge end of the fuel oil conduit, a valve automatically unseatable by the upward pressure of fuel oil in said fuel oil conduit; said fuel oil conduit extending upwardly through the atomizing fluid receiving conduit and said atomizing fluid receiving conduit having a horizontal chambered enlargement the upper wall whereof is provided with a series of upwardly discharging jet orifices and the atomizing fluid receiving conduit thereabove having a series of laterally discharging jet orifices and terminating upwardly in a top, circular in cross section and formed with an annular and downwardly sloping wall on which an oil film is formed, such annular wall terminating in an annular film discharging lip; and the upper end of said fuel oil receiving conduit discharging oil upon the upper surface of said head; said discharge orifices being grouped in four series equally spaced apart and the upper surface of said head being provided with film guides positioned to direct an oil film relatively to each group of the jet orifices.

1,583,997. TRANSFER PROCESS. HERMANN REINKNECHT, Berlin, Germany, assignor to Milan Deghenghi, Baden, near Wien, Austria. Filed Nov. 11, 1924. Serial No. 749,343. 2 Claims. (Cl. 41—41.5.)

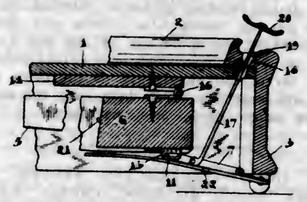
1. A process of transferring an original prepared with a particular coloring material on to a prepared inert printing surface, comprising embodying into the said surface a non-volatile ammonium salt and embodying in the surface of said original non-volatile substance which on reaction with said ammonium salt forms the ammonia necessary for reproducing the characters of the original whenever the surface and original are placed in contact, contacting said prepared surface with the surface of said prepared original.

1,583,998. ROAD-MAP HOLDER. RALPH J. RICHEY, Sioux City, Iowa. Filed Feb. 2, 1925. Serial No. 6,187. 6 Claims. (Cl. 40—85.)



1. In a road map holder, a casing, a spring-actuated roller therein, a flexible holding sheet secured at one end to and adapted to be rolled upon said roller, and a pocket on the free end of the holding sheet positioned on the side of the sheet lying nearest the side of the roller when rolled thereon and adapted to receive the edge of a removable map for supporting the map, the holding sheet being adapted to secure the opposite edge of the map against the roller, and being of such length that the sheet may be unrolled to free the said opposite edge from engagement with the roller to allow ready removal of the map.

1,583,999. TABLE TRAY. RALPH R. SCHEIBE, Somerville, and HAROLD M. SCHEIBE, Belmont, Mass.; said Harold M. Scheibe assignor to said Ralph R. Scheibe. Filed Apr. 24, 1924. Serial No. 708,656. 7 Claims. (Cl. 45—11.)

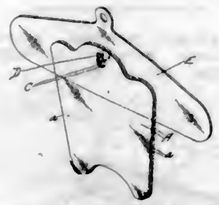


1. In a table tray the combination of a top; a spring lever fulcrumed thereon; a toggle pivotally connected at one end with the top and at its other end with the spring lever; and legs rigidly connected with the part of the toggle adjacent the top and adapted to be swung up and down by the operation of the toggle.

1,584,000. GARMENT HANGER. JOSEPH D. THOMAS, Pawhuska, Okla., assignor to Louise Thomas, St. Louis, Mo. Filed Aug. 9, 1923. Serial No. 656,544. 2 Claims. (Cl. 223—62.)

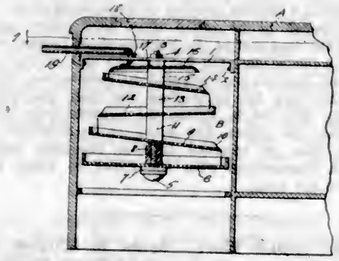
1. In a garment hanger the combination of a coat hanger and a trouser hanger, said coat hanger having upper sloping edges for the support of a coat and engaging means whereby it may be hung in a suitable place, and having also a single supporting means for said trouser hanger positioned in substantially vertical alignment with said engaging means, said trouser hanger comprising a pair of members formed of substantially

rigid material each of which has its lower end adapted to enter a trouser leg and having its side edges sloping outwardly and upwardly at such an angle that the mem-



ber when forced into the open lower end of a trouser leg will support said leg thereon by friction, and each of said members being provided with means adapted to engage said supporting means on said coat hanger.

1,584,001. CRUDE-OIL BURNER. CHARLES P. WHITTENBERG, Elk City, Okla. Filed June 13, 1924. Serial No. 719,898. 3 Claims. (Cl. 158—91.)



3. An oil burner comprising a horizontally arranged pan, a plurality of pans arranged in vertical staggered relation and each having one end arranged to discharge liquid fuel onto the pan next in order, a plurality of vertically aligned sleeves arranged between the pans, and a bolt passing through the sleeves and pans, and a dome carried by the upper end of said bolt and overlying the uppermost pan, and means for distributing liquid fuel throughout the length of the dome so that the latter will gravitate successively over the staggered pans and be caught by the horizontal pan.

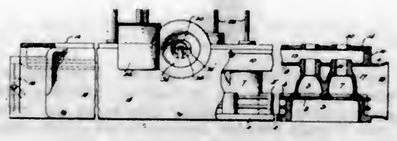
1,584,002. LIQUID-CIRCULATING SYSTEM. LOUIS AEBY and HENRY KOCOUREK, Chicago, Ill.; said Kocourek assignor to said Aeby. Filed Oct. 20, 1922. Serial No. 595,722. 6 Claims. (Cl. 137—78.)

5. In a liquid-circulating system in combination with a passage having a branch, a valve device at the junction of the branch with the main passage, comprising a slide valve in the main passage for closing the communication of the branch with said main passage; a pivoted valve in the main passage for closing the latter at transverse position of said valve therein; means connecting the slide valve and the pivoted valve for closing the former by the opening movement of the latter.

1,584,003. ENGINE HEAD. OLIVER E. BARTHEL, Detroit, Mich. Filed Aug. 9, 1922. Serial No. 580,596. 3 Claims. (Cl. 123—171.)

1. An engine head for a six cylinder engine, said head having combustion chambers therein for the engine cylinders and a fuel chamber in a plane above said combustion chambers with the bottom wall of said fuel chamber ported to communicate with said combustion chambers, exhaust conduits extending from the bottom wall of said fuel chamber to the top wall of said fuel chamber and the bottom wall of said fuel chamber inclined downwardly and outwardly from its longitudinal middle portion to cause any liquid fuel to drain to opposite sides of said fuel chamber, said exhaust conduits and the ports thereof being in a central longitudinal plane of said head, and a fuel intake connection for said fuel chamber.

1,584,004. ENGINE HEAD. OLIVER E. BARTHEL, Detroit, Mich. Filed Dec. 30, 1922. Serial No. 610,038. 15 Claims. (Cl. 123—122.)



1. The combination of a cylinder head having intake and exhaust passages, a substantially horizontal air gallery above said head and about the passages of said head, a fuel gallery above said air gallery communicating with the intake passages of said head, and means controlling the passage of air through the air gallery.

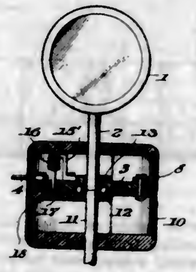
1,584,005. METHOD OF MANUFACTURING ARTIFICIAL SILK AND OTHER PRODUCTS FROM NITROCELLULOSE. EMILE BINDSCHEDLER, Lansdowne, Pa., and GEORGE JUER, Hopewell, Va., assignors to Tubize Artificial Silk Company of America, a Corporation of Delaware. Filed July 1, 1924. Serial No. 723,485. 6 Claims. (Cl. 18—54.)

2. In the process of manufacturing formed products from nitrocellulose hydrate dissolved in alcohol and ether by exuding the collodion through an orifice to give form to the product and coagulating the exuded product, the method of regulating coagulation which consists in exuding the collodion into a bath composed of one or more metallic haloids dissolved in dilute alcohol.

1,584,006. AUTOMOBILE HEADLIGHT. CHARLES ELLIS BLACKBURN, Sr., and JOHN RAPHAEL CAMBRON, Sr., Evansville, Ind. Filed Aug. 10, 1925. Serial No. 49,302. 2 Claims. (Cl. 240—61.)

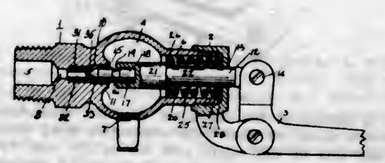
2. In an electrically operated and controlled set of headlights, the combination with crank arms respectively coupled to the headlights and themselves having a rapid cross rod connection adapting them to move in unison, of independent solenoids, independent armatures for the respective solenoids which are pivoted to the same crank arm and are arranged, respectively, to operate the said crank arm in opposite directions under the influence of their solenoids, circuit connections and switches for the respective solenoids whereby either one of them

may be selectively energized, a solenoid additional to the foregoing solenoids, a circuit and switch for the last named solenoid, and an armature for said last named



solenoid which is adapted to lock the crank arms either in normal or in deflected position and is subject to the control of the said last named solenoid.

1,584,007. VALVE SEAT. JOHN ROWLAND BROWN, Cleveland, Ohio, assignor to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 4, 1924. Serial No. 729,917. 4 Claims. (Cl. 251—167.)

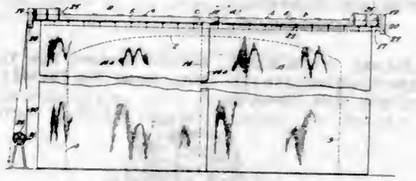


1. In apparatus of the character described, the combination of a valve casing having a passageway, a countersunk recess adjacent said passageway, a valve seat fitting within said recess, adjacent faces of said valve seat and casing being angularly related to bring a plane surface of one of said parts against the meeting edge of adjacent faces on the other of said parts to form a line contact, and a turned over edge on said casing, adjacent the outer end of the countersunk recess, bearing against said valve seat and holding the same in firm contact with the casing.

1,584,008. TYPEWRITER. CHARLES U. CARPENTER and RUDOLPH F. BRANDT, Dayton, Ohio, assignors to Dayton Portable Typewriter Company, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 689,028. 6 Claims. (Cl. 197—97.)

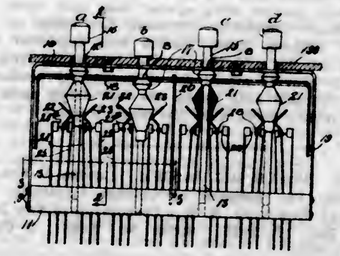
1. In a typewriting machine, a key lever, a universal bar, a stop, and a substantially triangular shaped cam on said key lever adapted to engage with the universal bar to actuate it, said key lever being adapted to be limited in its return movement by the stop, the portion of the key lever carrying the cam being adapted to extend between the stop and the universal bar.

1,584,009. CURTAIN-OPERATING MECHANISM. PETER CLARK, Glen Ridge, N. J., and THOMAS B. MCDONALD, Troy, N. Y. Filed Mar. 10, 1922. Serial No. 542,543. 5 Claims. (Cl. 156—20.)



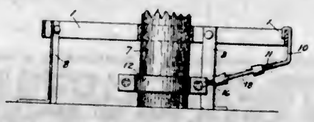
1. Apparatus of the character described, comprising an element composed of links pivoted together in series, there being a pin at each pivotal point, the link at one extremity being pivoted at one of its ends to a stationary member, a pair of parallel opposed rails, each alternate pin engaging between and movable along said rails for maintaining the links in a definite zig-zag formation for a portion of the length of the element, a third rail, each alternate pin engaging said third rail, means engaging the link at the free extremity of the element for moving said free end of the element toward the stationary end thereof, said maintaining means preventing relative movement of the links, and a curtain suspended from the element.

1,584,010. ELECTRICAL SWITCH. RALPH S. CLARKE, Dorchester, Mass., assignor to R. Mitchell Co., Boston, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1923. Serial No. 674,106. 8 Claims. (Cl. 200—5.)



1. A switch mechanism having therein means for minimizing capacity changes on operation of the switch comprising in combination a system of flat conductors and means for holding the conductors in staggered relation, one of said conductors being movable at one end in the direction of its lesser thickness to contact with a portion of one or another of said other conductors standing in the path of motion of the said movable conductor, whereby approach of the movable and any other conductor results in decrease of the mutual projected area of the approaching conductors.

1,584,011. TREE SUPPORT. ENOCH CLIFTON, Portland, Oreg. Filed May 21, 1925. Serial No. 31,847. 3 Claims. (Cl. 248—38.)



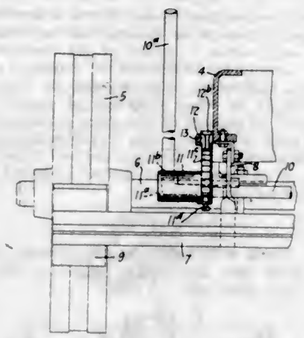
2. In a tree support, the combination of a horizontal, circular support, adapted to be rigidly securable about and in engagement with a tree stem, a guy clamp bracket, slidable upon the support to a radial position, a clamp adapted to be rigidly secured about and in engagement

with a tree stem below said support, and means arranged between and connected respectively with said bracket and clamp to adapt the means to allow the clamp to be drawn toward the bracket and rigidly secured in a position to which drawn.

1,584,012. FACE MASK. SUSANNA COCROFT, New York, N. Y. Filed Aug. 27, 1924. Serial No. 734,441. 1 Claim. (Cl. 128—163.)

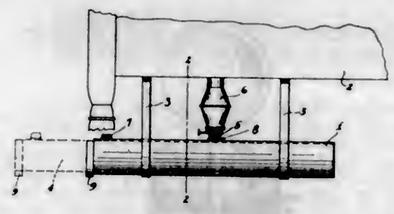
A face mask comprising a body portion consisting of a single piece of porous, closely woven, smooth, thin textile fabric possessing an elastic characteristic and formed with a chin receiving pocket, an inset neck covering part, a bridge piece providing a nose covering part, a covering part common to the forehead and temples and a pair of cheek covering parts, said body portion further including a pair of eye openings, an oval shaped opening common to the nose and mouth and separated from the eye openings by said bridge piece, a tongue extended respectively from each of said cheek and neck covering parts, a tongue extended from each end of said combined forehead and temples covering part, the tongues of each side of said body portion being spaced from each other, and binder means completely enclosing the edges of said openings, tongues, neck, cheeks and combined forehead and temples covering parts and extended from the tongues to provide means for independently connecting together the said neck parts, the said cheek parts and the said temple parts when the mask is worn.

1,584,013. BRAKE MECHANISM. LESTER L. COLLINS, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 17, 1925. Serial No. 3,188. 9 Claims. (Cl. 74—39.)



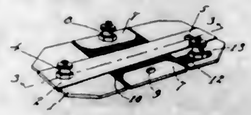
1. In braking mechanism, in combination, a support, a shaft rotatably mounted thereon, a connection from said shaft to a braking device proper, a handle for actuating said shaft to apply or release said device, and means for locking said shaft in any desired position of adjustment comprising a quadrant member and a pawl member for cooperation with the latter, one of said members being loosely sleeved upon said shaft and keyed to said handle, and the other mounted upon said support.

1,584,014. LAMP FOR INCUBATORS. FAY D. CONNELL, Sunnyvale, Calif. Filed Sept. 15, 1923. Serial No. 662,876. 3 Claims. (Cl. 126—96.)



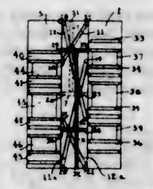
1. In combination with an incubator, an elongated shell, means extending from said incubator and adapted to support said shell, a lamp bowl adapted to be moved lengthwise of said shell, a burner on said bowl and a chimney adapted to be positioned over said burner.

1,584,015. CONDENSER AND LEAK FOR RADIOCIRCUITS. GUY S. CORNISH, Madisonville, Cincinnati, Ohio, assignor to The Cincinnati Patent Engineering Company, a Corporation of Ohio. Filed Nov. 22, 1924. Serial No. 751,422. 3 Claims. (Cl. 250—41.)



1. A device of the character specified, comprising a dielectric plate, an electrically conductive strap mounted on one side of said plate and having its ends turned over so as to engage the other side, a second electrically conductive strap mounted on the opposite side of said plate and having its ends turned over to engage the first mentioned side of said plate, said straps being substantially at right angles to each other, and a binding post mounted in connection with each of said straps.

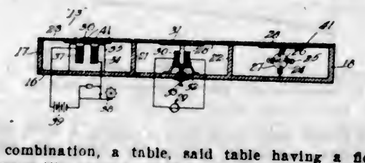
1,584,016. FLUID MOTOR AND PUMP OR COMPRESSOR. VINCENZO DIMINO and ONOFRIO MORRIALE, Rochester, N. Y. Filed Feb. 29, 1924. Serial No. 696,068. 3 Claims. (Cl. 103—227.)



1. An apparatus of the class described comprising two cylinders, each cylinder having ports at opposite ends, a central port, two intermediate ports arranged on opposite sides of the central port between the latter and the end ports, two other intermediate ports situated between the first mentioned intermediate ports and the end ports, means providing communication between the end ports of one cylinder and the first mentioned intermediate ports of the other cylinder, each end port of such first mentioned cylinder being connected to one of

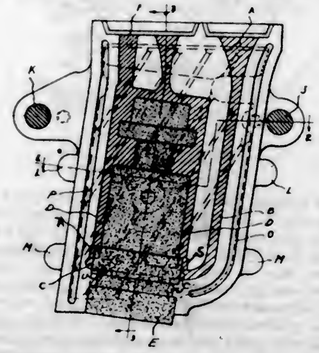
the first mentioned intermediate ports of the other cylinder on the same side of the central ports of the two cylinders with such intermediate ports, means providing communication between the end ports of the other cylinders and the first mentioned intermediate ports of the first mentioned cylinder, each end port of the said other or second mentioned cylinder being connected to that one of the first mentioned intermediate ports of the first mentioned cylinder on the side of the center port of said first mentioned cylinder, opposite that on which the other end port of the second mentioned cylinder connecting therewith is situated, two conduits either of which may act as an inlet or an outlet, means providing communication between one of said conduits and both of the central ports of the two cylinders, means providing communication between the other conduit and the second mentioned intermediate ports of the two cylinders, and two pistons each operating in one of the cylinders and each having three chambers arranged to control the first mentioned and second mentioned intermediate ports to effect such a flow through the ports of the two cylinders that will produce reciprocating movements of the pistons.

1,584,017. APPARATUS FOR SEPARATING COAL. MARVIN W. DITTO, New York, N. Y. Filed June 2, 1922. Serial No. 565,381. 1 Claim. (Cl. 209—467.)



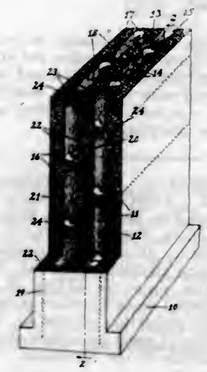
In combination, a table, said table having a flexible diaphragm-like top normally under tension, and permeable to any of the material treated, said table being inclined in two directions with the corners successively one higher than the other and vice versa with the corners successively lower than the other, means for simultaneously and independently vibrating areas of said table top vertically at the same and different amplitudes and frequencies, means for reciprocating the table substantially horizontally at a lower frequency, and means for causing an upward fluid flotation supply through the table top.

1,584,018. METAL MOLD. JOSEPH L. DOSTAL and WALTER S. ANDERSON, Detroit, Mich., assignors to Earl Holley, Detroit, Mich. Filed Aug. 19, 1925. Serial No. 51,098. 1 Claim. (Cl. 22—126.)



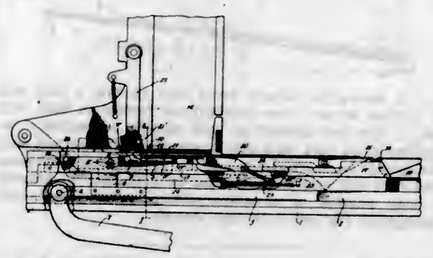
In combination with a sectional mold adapted for the casting therein of an automobile type piston head up, a cylindrical dry sand core within said mold, a shoulder on said mold whereby the core is located concentrially within said mold and prevented from rising therein under the ferrostatic head of the metal cast therein, an annular groove located immediately above said supporting shoulder, a plurality of gates connecting said groove to the matrix of the piston skirt, a sprue adapted to feed iron to said groove.

1,584,019. CONCRETE WALL CONSTRUCTION. CHARLES DOVING, Great Falls, Mont. Filed Oct. 28, 1924. Serial No. 746,299. 2 Claims. (Cl. 72—48.)



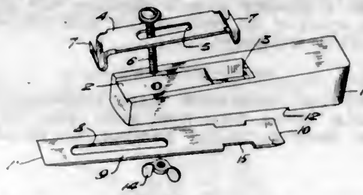
1. A hollow concrete wall construction comprising three vertical wall sections separated by two air spaces, and having bond sections which are relatively small in both their vertical and horizontal dimensions between said wall sections across said air-spaces, the bond sections across one air space being staggered both vertically and horizontally with relation to those across the air space toward the other side of the wall, said bond sections being integral with said wall sections.

1,584,020. PRINTING AND ADDRESSING MACHINE. JOSEPH S. DUNCAN and ULYSSES G. LEE, Chicago, Ill., assignors to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 24, 1920, Serial No. 383,615, now Patent No. 1,503,822, dated Aug. 5, 1924. Divided and this application filed Apr. 24, 1924. Serial No. 708,779. 8 Claims. (Cl. 101—47.)



1. In a printing machine, a magazine adapted to contain a stack of printing devices and means to feed a printing device from the bottom of said stack, said means comprising a member adapted to engage the bottom device in said stack and movable into and out of engagement therewith, and means preventing movement of said member out of engagement with said device after it has engaged the same.

1,584,021. RIM-CLEANING TOOL. LEWIS MELVIN DUNN, Arlington, Kans. Filed Aug. 29, 1925. Serial No. 53,377. 2 Claims. (Cl. 15—236.)

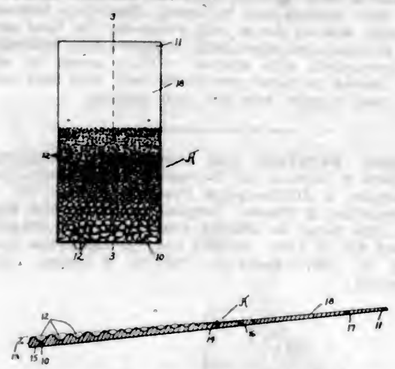


2. A rim cleaning tool comprising, in combination, an elongated handle, a plate, and means for adjustably connecting said plate with a handle, an end portion of the plate being provided with a scraping medium, said plate inwardly of the scraping medium being provided with notches in its side marginal portions.

1,584,022. CLEANING COMPOSITION WITH A FLUORESCENT CONCENTRATION INDICATOR. LEONARD H. ENGLUND, Minneapolis, Minn. Filed Sept. 22, 1924. Serial No. 739,205. 1 Claim. (Cl. 87—5.)

A new composition of matter, consisting of a non-saponaceous alkaline cleaning compound that will form a colorless solution upon the adding of water and a fluorescent body added to said compound in its dry state in the substantial proportion of one to three thousand to one to five thousand parts by weight of the fluorescent body to the remainder of the compound.

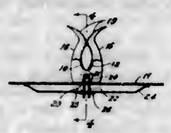
1,584,023. SHINGLE. HOWARD L. FISCHER, St. Paul, Minn. Filed July 23, 1925. Serial No. 45,602. 7 Claims. (Cl. 108—8.)



1. A decorative shingle for a roof having, a butt end of a thick nature, deep indentations formed in said butt end, a thin end formed on said shingle, indenations extending from said butt end towards said thick end and decreasing in depth to the point of vanishing between said butt end and thin end and in a manner to provide a body portion of a comparatively uniform thickness throughout the length of said shingle.

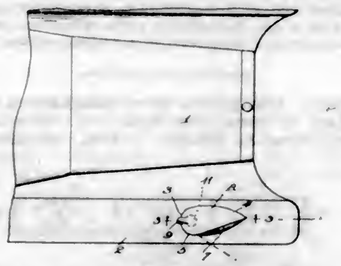
1,584,024. GRIPPER FOR SMOKERS' STANDS. ROBERT G. FLEMING, Bloomfield, N. J., assignor to Smokador Manufacturing Co. Inc., New York, N. Y., a Corporation of Delaware. Original application filed Feb. 21, 1925, Serial No. 10,734. Divided and this application filed Apr. 10, 1925. Serial No. 22,056. 18 Claims. (Cl. 24—252.)

16. In a device of the character described, in combination, a gripper unit including a pair of gripper jaws operatively connected together for opening and closing movement, a support for said gripper unit and a single



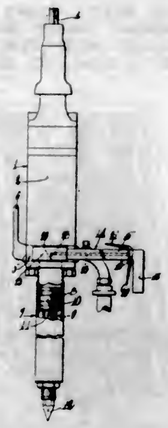
resilient connection yieldingly holding said gripper unit in contact with said support thereby to yieldingly urge said jaws into cooperative gripping relation.

1,584,025. RIGHT-FENDER SIDE LIGHT. BERTHA G. FREDRICK, White Bear Lake, Minn. Filed Oct. 25, 1924. Serial No. 745,898. 2 Claims. (Cl. 240—8.2.)



2. A fender light comprising a casing, a lamp within said casing, a reflector having the inner side thereof curved forwardly of and inwardly toward the lamp and terminating in the longitudinal axis of the lamp and having the outer side thereof terminating substantially in the transverse axis of the lamp, said reflector being positioned in said casing and spaced from the rear thereof and means for supporting said fender light.

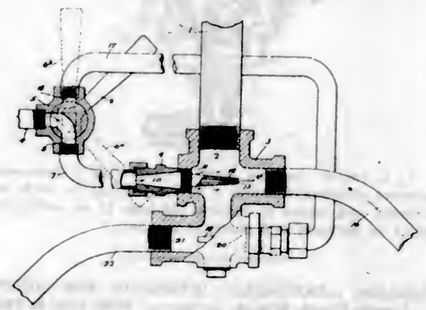
1,584,026. ROCK-DRILLING MECHANISM. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 28, 1922. Serial No. 609,399. 8 Claims. (Cl. 121—9.)



1. In a drilling mechanism, the combination with drill feeding means and a handle projecting from the drill and having angularly disposed grasping portions, of feed controlling means comprising a controlling element, and

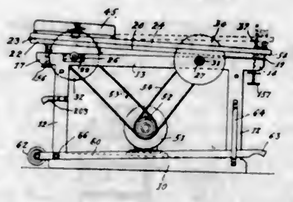
operating means for said element including an operating member having angularly related operating portions disposed in juxtaposition with said grasping portions.

1,584,027. PNEUMATIC SANDER. THOMAS S. GILMORE, La Grande, Oreg. Filed Jan. 13, 1926. Serial No. 81,015. 7 Claims. (Cl. 291—3.)



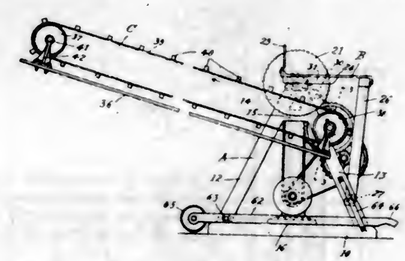
1. In a sanding device the combination of; a trap having a vertical inlet adapted for the passage of sand through it into the trap, the latter also having an air intake port 11 and a discharge port 15, positioned laterally in alignment in opposite walls of the trap, below its inlet, and a nozzle having its base secured in the port 11, its free end being approximately at the entrance of the port 15 within the trap, said nozzle being also provided with orifices in its base positioned vertically on each side of the nozzle center, supplying thereby auxiliary openings from the port 11 directly into the trap.

1,584,028. TABLE SAW. CHARLES GOTTSCHALK, St. Paul, Minn. Filed Aug. 1, 1921. Serial No. 488,821. 2 Claims. (Cl. 143—132.)



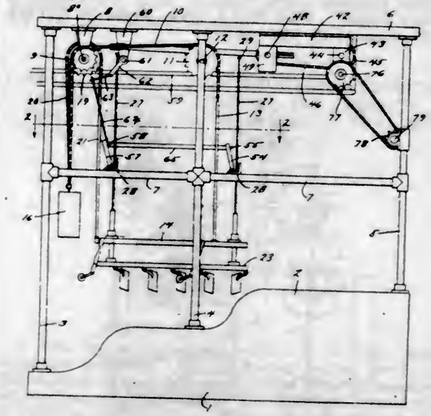
1. A table saw comprising a frame having a pair of horizontal rails, a pair of longitudinal members hinged to said rails at one end, a single table top hinged to said longitudinal members at their other ends, a circular cross cut saw positioned at one end of said frame and extending through said top, a circular rip saw positioned at the other end of said frame and extending through said single table top, means for simultaneously oscillating said longitudinal members and top about the said horizontal memoers hinges and means for independently oscillating said top relative to said horizontal members about said top hinges so as to vary the relative depth of cut of either of said saws.

1,584,029. CORDWOOD SAW. CHARLES GOTTSCHALK, St. Paul, Minn. Filed Aug. 1, 1921. Serial No. 488,822. 3 Claims. (Cl. 143—43.)



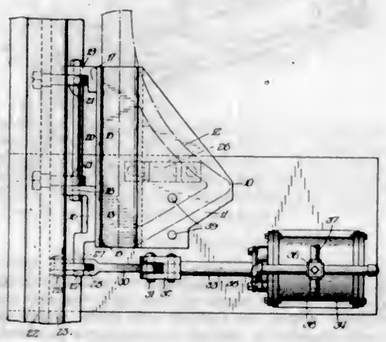
1. A cordwood saw comprising an A-frame, a mandrel journalled to said frame at the apex thereof, a motor positioned within the base of said frame, a saw secured to said mandrel, a pair of counter-shafts mounted upon the forward frame members of said A-frame positioned forwardly of said mandrel, a conveyor mounted upon one of said counter-shafts and extending in the opposite direction from that of the rotation of the saw, having its lowermost end positioned below said mandrel and means for driving said mandrel and counter-shafts from said motor.

1,584,030. PIN-SETTING MECHANISM FOR BOWLING ALLEYS. WALTER H. GRAY, Davenport, Iowa. Filed June 4, 1924. Serial No. 717,835. 6 Claims. (Cl. 273—42.)



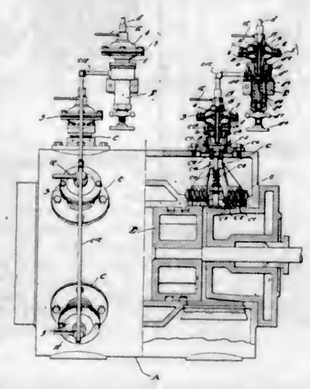
1. A pin setting device, comprising a pair of spaced frames, pin arresting mechanism carried by said frames; pin-spotting devices, carried on the lower face of the lower of said frames; and means for lowering said frames to within a predetermined distance from the floor of a bowling alley; the spacing of said frames being automatically reduced at the end of the downward movement causing the release of said pin-arresting mechanism, and subsequent operation of the pin-spotting devices.

1,584,031. TRACK-SKATE-PLACING DEVICE. GEORGE HANNAUER and EDGAR M. WILCOX, Calumet City, Ill., assignors to Hannauer Car Retarder Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1924. Serial No. 736,413. 6 Claims. (Cl. 104—257.)



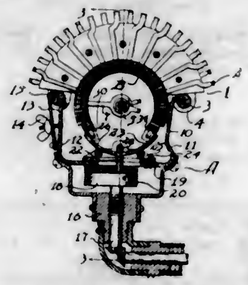
2. In a track skate placing device, a support for a track skate having a main body portion for supporting the upper portion of a track skate and having a pocket portion for supporting another portion of the track skate, and means for limiting longitudinal movement of the track skate upon said support.

1,584,032. AUTOMATIC LOW-PRESSURE CONTROL APPARATUS FOR COMPRESSORS. LEON F. HOFFMAN, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed June 2, 1924. Serial No. 717,228. 25 Claims. (Cl. 230—24.)



1. The combination with a fluid compressor and automatic control apparatus therefor, of means inserted in the fluid pressure conduits to said control apparatus for adapting the same to pressures below the range of response of said apparatus.

1,584,033. CLEANER FOR MACHINE-SWITCHING BANKS. WALTER F. KANNENBERG, St. Paul, Minn. Filed Oct. 23, 1924. Serial No. 745,531. 7 Claims. (Cl. 15—97.)

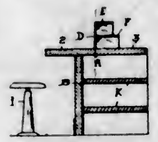


1. A switch cleaning device, comprising a laminated arcuate cleaning member, a perforated lug on each end thereof, and means to connect the lugs to an oscillating plate to oscillate said cleaning member.

1,584,034. PNEUMATIC INSERTION FOR SHOES. ALFRED KLOTZ, Munich, Germany. Filed June 5, 1922. Serial No. 566,027. 1 Claim. (Cl. 36—71.)

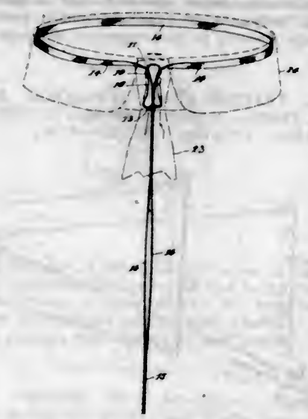
An arch support comprising a metal base plate, a substantially flat intermediate member fixed to said base plate, an inflatable and deflatable air cushion, having its greatest height at its inner edge, immovably attached to the upper surface of said intermediate member, an upturned flap of substantially the shape of the inner edge of said cushion integrally extending from the inner edge of said intermediate member and permanently attached to the respective cushion edge, and a relatively flat air valve anchored in said metal base plate and extending through the base plate, said intermediate member, and the bottom wall of said cushion.

1,584,035. LUNCH-COUNTER STRUCTURE. LUTHER L. KNOX, Bellevue, Pa. Filed Apr. 19, 1924. Serial No. 707,549. 4 Claims. (Cl. 211—11.)



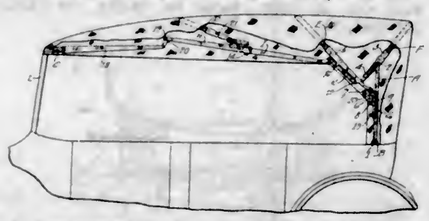
1. A combined service counter, eating table and food display structure for restaurants, comprising a wide counter having an inner service portion and an outer eating table portion of suitable width to enable patrons to eat thereat, said counter being supported at a suitable height above the serving floor to enable the attendant to serve the eating table from behind the service portion, and a transparent food protector extending intermediate the service portion and the eating table portion, said transparent protector being arranged to allow the attendant to serve food to and remove dishes from the eating table portion while standing behind the service portion.

1,584,036. NECKTIE HOLDER. HARUICHI KOHIROGAWA, New York, N. Y. Filed July 10, 1924. Serial No. 725,138. 2 Claims. (Cl. 2—150.)



1. In a necktie holder, in combination, two continuous resilient wires bent to form two tape spaces at one end of the device, the wires being further bent to form gripping means at the other end of the device normally capable of gripping a tape passed therethrough, means for preventing the accidental disengagement of the gripping members, binding means fastening the two wires together and a continuous tape passing through the tape spaces and the gripping means.

1,584,037. COLLAPSIBLE VEHICLE TOP. CHARLES J. KOMASKA, St. Louis, Mo. Filed Apr. 5, 1924. Serial No. 704,455. 5 Claims. (Cl. 296—116.)

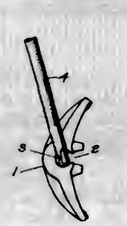


1. A collapsible top for automobiles and other conveyances, comprising a front bow, a rear bow provided with socket pieces, vertically disposed supporting members arranged at a point to the rear of the line of vision of the occupants, permanent pivotal connections between said supporting members and the socket pieces of the rear bow, an intermediate bow provided with socket pieces that are joined to said supporting members by swinging links, co-operating means on the socket pieces of said rear bow and intermediate bow for detachably connecting said elements together and for assisting in holding the rear bow in a rearwardly-inclined position and disposed at an angle to said supporting members when the top is open, and forwardly-projecting jointed braces that sustain the front bow and which are connected by links to the socket pieces of the intermediate bow.

1,584,038. TELEPHONE ATTACHMENT. SAMUEL A. KORNSWEET, Los Angeles, Calif. Filed June 16, 1924. Serial No. 720,236. 5 Claims. (Cl. 179—147.)

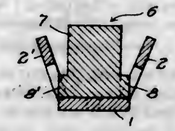
1. A telephone attachment comprising a base having a flat bottom adapted to rest on a supporting surface, the base having a recess in its upper face and having a duct communicating with said recess, a tubular standard secured at its lower end to the base and communicating with the duct, an earpiece on the upper end of the standard communicating with the bore of the standard, and means to clamp the cap of a standard telephone receiver in the recess so as to support such standard receiver in vertical position on the base.

1,584,039. BRAKE HANGER. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed Mar. 10, 1925. Serial No. 14,396. 6 Claims. (Cl. 188—209.)



6. The combination with a brake beam provided with an opening for receiving a brake hanger, a brake hanger having side arms and a bearing yoke formed integrally with them, said yoke being arranged in said brake beam opening, and a sleeve attached to said hanger and locking said yoke in said opening.

1,584,040. METHOD OF FORMING SIDE BEARINGS. ARTHUR B. SEVERN, Pittsburgh, Pa., assignor to A. Stucki, Pittsburgh, Pa. Filed June 10, 1924. Serial No. 719,072. 4 Claims. (Cl. 29—164.)

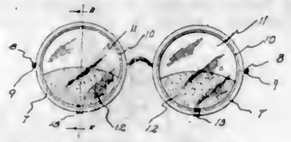


1. The method of forming roller side bearings, which comprises providing a rolled channel section having an intermediate portion and side portions disposed angularly thereto, punching openings in the side walls, positioning a roller having retaining projections extending axially therefrom between said side walls, and bending the side walls toward each other sufficiently to position the said projections within the openings in the side walls.

1,584,041. EYESHIELD. ORTON C. SHAVER, Detroit, Mich. Filed Apr. 23, 1925. Serial No. 25,246. 3 Claims. (Cl. 88—41.)

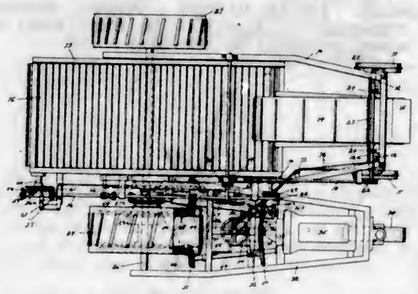
1. An eye shield of the class described, comprising a split channel bearing frame and a non-slit channel bearing frame, adapted for positioning in said split channel

bearing frame and movable therein; a lens mounted in said non-split frame having a translucent area; and a tongue projecting outwardly from said non-split frame for



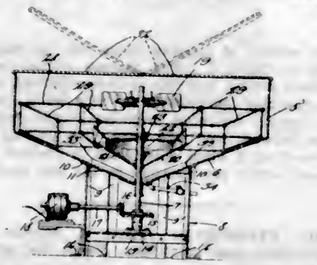
providing a hand hold for effecting the movement of said non-split frame in said split frame; and a portion on said tongue for normally resisting relative movement of said frames.

1,584,042. POWER-OPERATED MATERIAL LOADING, CONVEYING, AND DISCHARGING MACHINE. ROBERT SHEDENHELM, Grinnell, Iowa. Filed Sept. 27, 1921. Serial No. 503,643. 4 Claims. (Cl. 180—17.)



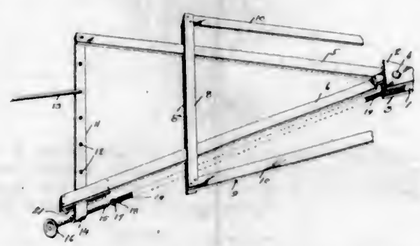
4. In a device of the class described, the combination of a main frame, an engine supporting frame arranged at the side of the main frame, a main axle upon which both frames are mounted two traction wheels mounted upon said axle, one being fixed thereto and the other being rotatable thereon, an engine mounted on the engine frame, and gearing devices between the engine and the traction wheels whereby the latter may be driven by power from the engine, a differential gearing device between the said axle and the traction wheels that is rotatable on the axle, two large gearing wheels fixed to opposite sides of the traction wheel that is loose on the axle, and means for operatively connecting one or the other of said gearing wheels with the engine for moving said traction wheel either forwardly or rearwardly without advancing the other traction wheel, for the purpose as stated.

1,584,043. MACHINE FOR WASHING DISHES. SAMUEL T. SHEPPARD, Garden City, Minn. Filed Feb. 26, 1923. Serial No. 621,312. 1 Claim. (Cl. 299—63.)



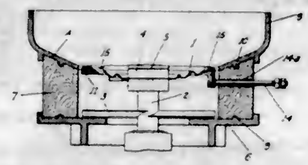
In a washing machine, a body portion, a shaft extending into the body portion, a hollow head mounted on the shaft, said head having an inclined bottom, said bottom having cut out portions, plates arranged adjacent to the cut out portions, said plates being disposed at oblique angles with respect to the upper edge of the hollow head, said head having outlet openings, and a partition in said head having outlet openings, and a partition in passageways, leading to the respective openings.

1,584,044. TRACTOR DRAFT APPLIANCE. BRYAN E. SMITH, Faulkton, S. Dak. Filed Apr. 20, 1925. Serial No. 24,510. 5 Claims. (Cl. 280—33.9.)



1. A draft appliance for tractors comprising a draw bar, a plurality of members connecting the draw bar with a pull base, one of said members having pivotal connection with the draw bar, another of said members being inherently resilient and adjustably connected with the draw bar to sustain loads within certain predetermined limits, and the other member having limited slidable connection with the draw bar to sustain loads in excess of the capacity of the resilient member.

1,584,045. INITIAL OIL-HEATING MEANS FOR OIL BURNERS. IRA EDWARD SMITH, Stockton, Calif. Filed Oct. 27, 1925. Serial No. 65,064. 10 Claims. (Cl. 158—77.)

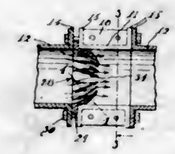


10. An initial oil heating means for oil burners comprising, with a burner member onto which the oil to be burned is delivered, an insulation casing surrounding the member in spaced relation thereto; an annular electric heating element in the form of a band, whose ends are separated, disposed within the casing with its upper edge adjacent the plane of the rim of the burner member, and terminal members projecting through the casing from the band adjacent the ends thereof: the band being reduced in width beyond the terminals, whereby said reduced portions will become more highly heated than the remainder when a current is passed through the band.

1,584,046. MIXING DEVICE. JOHN WILLIAM SMITH, Syracuse, N. Y. Filed Oct. 11, 1922. Serial No. 593,933. 4 Claims. (Cl. 48—180.)

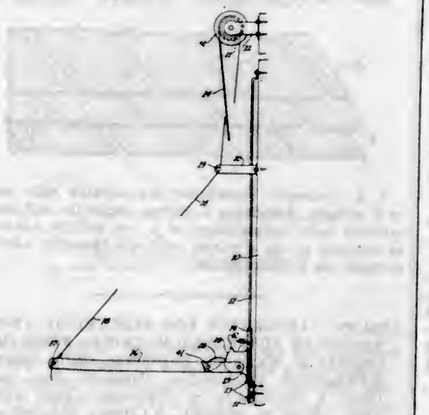
1. In a device of the character described, the combination with a conduit, of a mixing member associated therewith and composed of a plurality of imperforate triangular-shaped blades extending inwardly from the periphery of said conduit and inclined thereto to form

a dome having a central opening defined by the apices of the blades for the passage of a stream portion of the material being mixed, the inclination of the blades relative to the dome formed thereby causing the deflection of the stream portion of the material engaging the blades



to be deflected out of the dome, the bases of the blades forming a continuous uninterrupted line in the inner surface of the conduit so as to prevent the immediate passage of the material beyond the mixing member without first being engaged and directed by said blades.

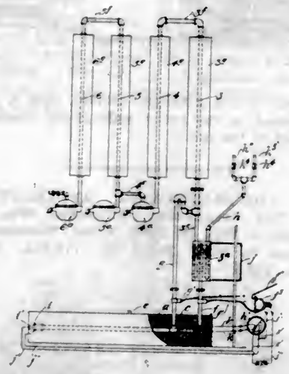
1,584,047. AWNING. EMIL STAEHELIN, Chicago, Ill., assignor to Shurlox Awning and Shade Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 18, 1924. Serial No. 744,351. 12 Claims. (Cl. 156—44.)



1. The combination of an awning fabric and its support, including a bracket, an arm pivotally connected to said bracket, a pawl pivotally connected to said arm and normally extending inwardly and upwardly from its pivoted end, holding means mounted on said bracket with which the end of said pawl is normally engaged, and from which it is disengaged by the lowering of the arm, said pawl being arranged to be forced downwardly by gravity when so disengaged from said holding means.

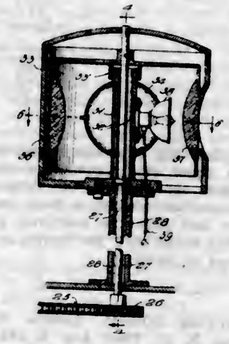
1,584,048. APPARATUS FOR THE DECOMPOSITION AND RECOMBINATION OF HYDROCARBONS. ALEXANDER THOMAS STUART and GUY NOVERRE MIDDLETON, Toronto, Ontario, Canada, assignors, by mesne assignments, to Farley G. Clark. Filed July 5, 1917, Serial No. 178,703. Renewed Aug. 10, 1925. 1 Claim. (Cl. 196—57.)

Apparatus for heat treatment of hydrocarbons comprising a cracking retort of heavy walled metal pipe encased in heat insulation and having sufficiently low electrical conductivity to act as a resistor, means for passing current through said pipe to heat the retort to a relatively high temperature, said retort being provided with a feed intake and a vapor offtake, adjustable means



for feeding to said intake a mixture of a hydrocarbon and a gas, condenser means connected to said offtake, and a return trap device connecting said condenser means with said intake.

1,584,049. AUTOMOBILE SIGNAL MECHANISM. ALFRED C. ULRICH, Horicon, Wis. Filed July 14, 1924. Serial No. 725,850. 3 Claims. (Cl. 116—48.)



1. A device of the class described including a stationary casing having an opening in one side, a tubular support within the casing and attached thereto, a shaft extending through the tubular support and held from movement longitudinally thereof, a light diffusing medium attached to said tubular support in position to direct its rays through the opening of the casing, a turret device connected to rotate with said shaft, and windows that are carried by the turret device and that are brought successively by the turning thereof and of the shaft into the path of the rays from the light diffusing medium to permit the passage of the rays from the casing through the windows.

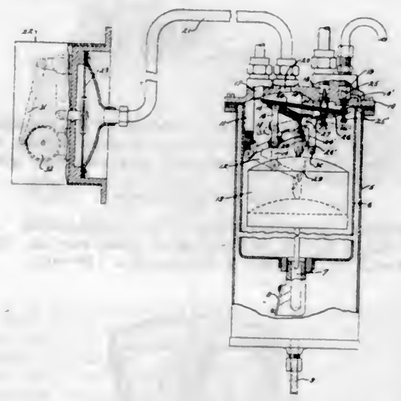
1,584,050. PENCIL OF THE MAGAZINE TYPE. HENRY A. VAIL, Springfield, Mass. Filed July 3, 1924. Serial No. 723,903. 5 Claims. (Cl. 120—14.)

1. A pencil of the magazine type having a plurality of lead receiving compartments, means for closing all of the compartments except the one from which a lead is to be

used, and means cooperating with the means to indicate that compartment, the closure means comprising a ro-

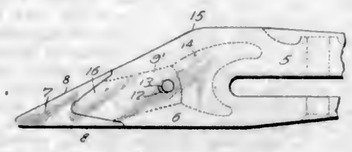
tatable knob, a rod attached thereto, and a rotatable member located at the outlet ends of the compartments and attached to the rod.

1,584,051. LIQUID-METERING APPARATUS. HERMON L. VAN VALKENBURG, Milwaukee, Wis., assignor of one-half to Wm. M. Swift Miller, Wauwatosa, Wis. Filed June 6, 1924. Serial No. 718,251. 8 Claims. (Cl. 103—236.)



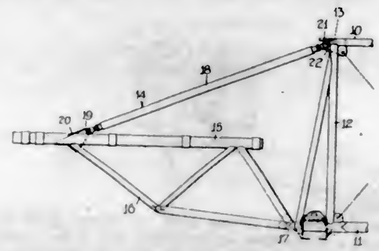
1. A liquid metering apparatus, comprising a receptacle having a liquid supply conduit connected thereto, a suction conduit connected to the receptacle, a valve controlling the suction conduit, a float means for actuating the valve, and means for positively preventing the movement of the valve until the receptacle has received its exact amount of liquid.

1,584,052. DIPPER TOOTH. LESHER W. VAN BUSKIRK, Clinton, N. J. Filed Aug. 9, 1924. Serial No. 731,090. 1 Claim. (Cl. 37—142.)



A dipper tooth embodying a base for application to a dipper and whereof the portion which normally extends beyond the dipper is of box section with a cross slot at the front and with a branched core in the maximum development of the structure, and a reversible cutting bit having V clefts to fit the end walls of the cross slot and having a deep anchoring portion to prevent spreading of the walls under changing direction of digging stress.

1,584,053. ENGINE-BED MOUNTING. WILLIAM WAIT, Jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Corporation, a Corporation of New York. Filed June 14, 1924. Serial No. 719,974. 6 Claims. (Cl. 244—31.)

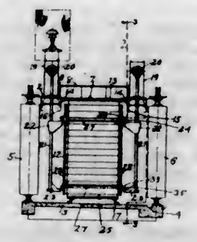


1. A supporting structure for aeroplane engine beds including a structural member, and means for varying the effective length of said member to adjust said engine bed relatively to said aeroplane.

1,584,054. ROOFING. HENRY R. WARDELL, New York, N. Y., assignor to Johns-Manville, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 12, 1923. Serial No. 680,098. 6 Claims. (Cl. 108—8.)

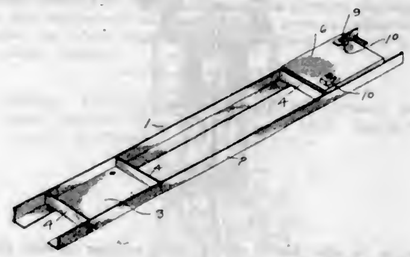
1. A composite waterproof fire-resisting slab for use as a shingle comprising a fibrous, asphaltic and surface-armored body having edges of a free portion adapted to be exposed in use provided with an upwardly extending integral rib or corrugation.

1,584,055. APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED MATERIAL FROM GASES. CHARLES H. WEISKOPF, Hawthorne, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed July 30, 1923. Serial No. 654,790. 9 Claims. (Cl. 183—7.)



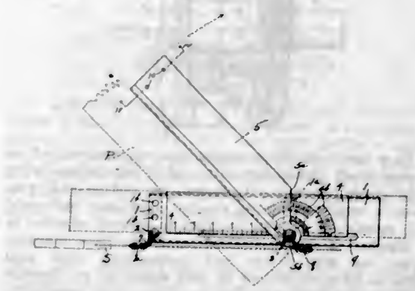
1. In an electrical precipitator a gas receiving chamber, supports mounted in said chamber, electrodes mounted on said supports to rest freely thereon, said precipitator chamber being provided with an opening in its top through which said electrodes may be removed bodily, said electrodes being mounted for free withdrawal from said supports upwardly through said opening and removable closure means for said opening.

1,584,056. RAILWAY TIE. RALPH J. WELLS, Dayton, Ohio. Filed Feb. 9, 1925. Serial No. 7,909. 10 Claims. (Cl. 238—58.)



1. In a railway tie, a tie body having a pocket therein, a body of resilient material within the pocket and a section of channel beam inserted within said pocket with its channeled side resting upon the body of yielding material, and means for securing a track rail to the exposed side of the channel beam section.

1,584,057. MITER BOX. CHARLES E. WEST, Portland, Oreg., assignor to The Helms Company, Portland, Oreg., a Corporation of Oregon. Filed May 29, 1923. Serial No. 642,194. 4 Claims. (Cl. 143—90.)

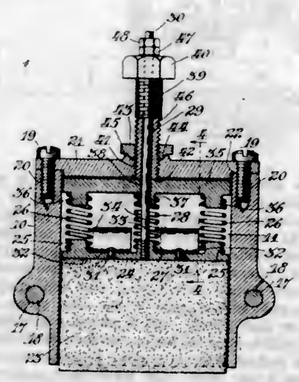


1. A miter box of the character shown and described comprising in combination a base member with longitudinal slot therein, a slide member thereon provided with protractor graduations, an angle member having a beveled end cooperating with said protractor, a pin connecting said angle member, said slide member and said base member together, through said slot, and bolding said parts adjustably together, a second pin, and saw guide members slidably mounted on said pins and adapted to receive and guide a saw parallel with the said base member.

1,584,058. LID OR COVER SECTION FOR WARDROBE TRUNKS. GEORGE HENRY WHEARY, Racine, Wis. Filed Jan. 27, 1923. Serial No. 615,218. 3 Claims. (Cl. 190—13.)

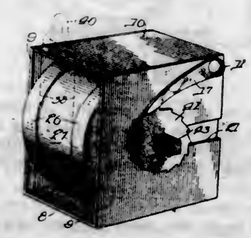
1. A cover or lid section for wardrobe trunks comprising the combination of a main plate, marginal end and front flanges therefor, a reenforcing valance strip secured to said flanges with its lower margins projecting below the flanges and its upper margins lapped upon the main plate and secured thereto, co-operating interior corner pieces having hook-shaped portions engaging the flanges, and a foot piece in drawing engagement with the main plate, whereby the hook portions may be drawn into embedded relation with the flanges.

1,584,059. DEVICE FOR MAINTAINING UNIFORM CONTACT AND PRESSURE BETWEEN A STATIONARY AND REVOLVING BODY FOR ELECTRICAL MACHINES. WILLIAM C. WHEELER, Chicago, Ill. Filed June 27, 1924. Serial No. 722,674. 6 Claims. (Cl. 171—324.)



6. In combination with an electrical machine, of an armature therefor, a carbon brush holder comprising a casing adapted to be secured in said machine, said casing having an opening therein, a carbon brush mounted in said opening and adapted to have one end thereof in contacting relation with said armature, a plate mounted in said opening and engageable with the other end of said carbon brush, a second plate mounted in said opening, springs mounted between said plates for exerting a resilient pressure on said carbon brush, a bolt adjustably connected with said casing for regulating the tension of said springs, and a rod extending through said bolt and connected to said first named plate indicating the pressure exerted on said springs.

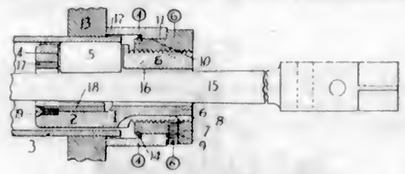
1,584,060. SPRING BALANCE. CHARLES C. WHITE, New York, N. Y. Filed Dec. 15, 1923. Serial No. 681,020. 6 Claims. (Cl. 185—45.)



1. In a spring balance, the combination of an open-ended case composed of sides and a bottom, the sides having slots therein extending to one end thereof, a spindle rotatable in said slots, a drum mounted on the spindle, said spindle being removable sidewise from said slots with said drum assembled thereon for reversal of

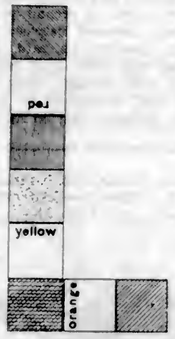
its ends in the slots, a spring for operating the drum connected to the spindle, a ratchet reversibly and non-rotatably held on said spindle, and means to hold the ratchet against rotation in one direction when the spindle is in either of its alternative positions.

1,584,061. TUBE AND FLUE EXPANDER. GUSTAV WIEDEKE, Dayton, Ohio, assignor to Gustav Wiedeke Company, Dayton, Ohio, a Firm. Filed Feb. 2, 1925. Serial No. 6,327. 12 Claims. (Cl. 153—82.)



1. In a device for expanding a tube in a tube sheet, an expander frame to extend into the end of said tube, rollers mounted in said frame, means for forcing said rollers into contact with said tube and for rotating said frame, said frame having a part extending outwardly beyond said rollers, a collar reversibly mounted on said part of said frame and having one end shaped to engage the end of the tube when said collar is in one position on said frame, and a guard rotatably mounted on said collar and having a portion extending beyond the other end of said collar and arranged to engage the tube sheet about said tube when said collar is in its other position on said frame.

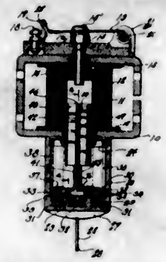
1,584,062. APPLIANCE FOR PLAYING GAMES. RALPH STANLEY WILLIAMSON, Cambridge, England. Filed Sept. 3, 1924. Serial No. 735,589. 8 Claims. (Cl. 273—137.)



1. For use in a game a plurality of tablets each having complete markings thereon and adapted to be matched serially by juxtaposing markings on different tablets which markings are different but represent equivalent ideas.

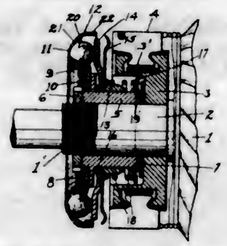
1,584,063. DASHPOT-CONTROLLED SWITCH. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Feb. 20, 1920, Serial No. 360,098. Divided and this application filed Feb. 26, 1923. Serial No. 621,353. 13 Claims. (Cl. 200—97.)

1. A device of the character described, comprising a solenoid coil, a head member, a screw stem section extending from the head member, an armature core section threaded on the screw section and provided with a



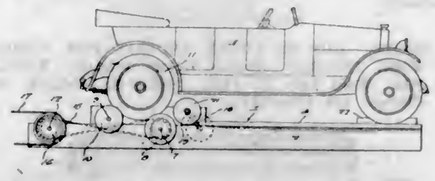
slot in its side, and a spring pawl member in said slot and engaging the screw section.

1,584,064. SHORT-CIRCUITING DEVICE. EDWIN M. WRIGHT, Springfield, Ohio, assignor to The Robbins & Myers Company, Springfield, Ohio, a Corporation of Ohio. Filed June 26, 1924. Serial No. 722,587. 2 Claims. (Cl. 172—279.)



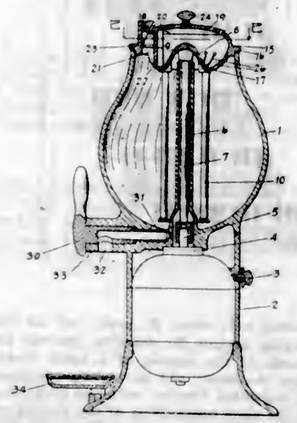
1. In a short circuiting device, the combination, of an armature shaft and commutator, of a removable sleeve on said shaft together with means for locking the same thereon, a weight retaining member connected with said sleeve, means for holding weights in spaced relation in said member, a spring pressed operating disk movably mounted on said sleeve and cooperating with said weights so as to be moved on said sleeve by the centrifugal action of said weights, said disk also serving to hold said weights in said member and, means for releasing said operating disk from said sleeve whereby said disk may be moved away from said weights to permit weights to be inserted or removed from said member.

1,584,065. AUTOMOBILE POWER-TRANSMITTING DEVICE. LEE B. ZACHARY, Island Mountain, Calif. Filed July 9, 1925. Serial No. 42,463. 3 Claims. (Cl. 74—106.)



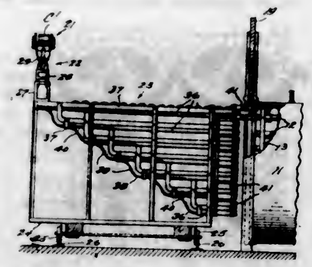
1. An automobile power transmitting device comprising a frame, means for supporting the rear wheels of an automobile, and arranged to be driven thereby, power transmitting means associated with the aforementioned means, a transversely extending rod slidably supported on the frame and arranged forwardly of the wheel engaging means, grooved wheels supported on the ends of said rod, said wheels providing a guide for positioning the rear wheels of the automobile onto said wheel supporting means when the rod is in one position, said wheels being adapted to further prevent the forward movement of the rear wheels and maintain the same in engagement with the wheel supporting means when the rod is in another position.

1,584,066. FRUIT-JUICE EXTRACTOR. ANDREW ZOUVELOS, Toledo, Ohio. Filed Aug. 1, 1925. Serial No. 47,433. 3 Claims. (Cl. 146—3.)



1. In a fruit juice extractor and beverage mixer, a container, a shell for closing the container, a fruit juice extractor located in the shell, the shell having a passage way for directing bulky materials through the shell into the container and openings for permitting the fruit juices to pass from the shell into the container, means for rotating the fruit juice extractor.

1,584,067. APPARATUS FOR CONVEYING CANNED GOODS INTO AND FROM A COOKING VESSEL. CLARENCE J. ALEXANDER, Seattle, Wash., and EMIL STEEN, West Berkeley, Calif. Filed Feb. 4, 1924. Serial No. 690,480. 7 Claims. (Cl. 193—31.)

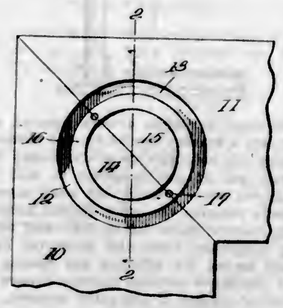


1. In apparatus of the character described, a feed carriage having in combination a plurality of inclined conduits one above the other, a sloping lead disposed in spaced relation from the upper ends of the floors of the respective conduits to afford passages therebetween, a can-receiver provided above the floor of the upper conduit, and gate devices for closing the passages and positively directing the cans from said lead onto the floors of the respective conduits selectively.

1,584,068. DEVICE FOR TORPEDOING OIL WELLS. FORD I. ALEXANDER, Los Angeles, Calif. Filed Mar. 19, 1924. Serial No. 700,393. 1 Claim. (Cl. 102—4.)

In a device of the class described, the combination of means holding a main explosive charge, and a plurality of detonation controllers disposed within the main charge, said controllers comprising destructible casings having a closed end, detonating explosive filling the closed ends, caps, holders for the caps tightly fitting the casings and of sufficient strength to withstand the explosion of the caps, and means for tightly sealing the holders and caps within the casing, certain controllers being opposed to each other so as to concentrate the force of the explosive.

1,584,069. JOINT CLAMP. OLOF ANDERSON, Louisville, Ky. Filed June 23, 1925. Serial No. 39,062. 3 Claims. (Cl. 20—92.)

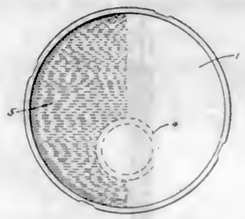


2. A joint clamp comprising two members arranged adjacent to each other and having semi-circular slots formed in the adjacent sides thereof producing an annular eccentric slot, and an annular eccentric clamp fitted in the annular eccentric slot of the two members for joining the two members together when the clamp is given a partial rotation.

1,584,070. HEADLIGHT FOR MOTOR VEHICLES. FREDERICK APPELQUIST, Rock Island, Ill. Filed Oct. 4, 1924. Serial No. 741,608. 1 Claim. (Cl. 240—48.4.)

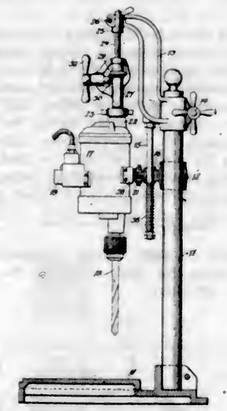
In a head-light for motor vehicles, a concavo-convexo lens divided vertically into a transparent portion and a translucent portion, the latter portion dimming the

headlight rays on that side of a highway along which vehicles are expected to approach, and an auxiliary lens of light focusing capacity, projected outwardly therefrom



on the line between said transparent and translucent portions, at a point to direct the rays of light forwardly on the margin of light directed through said portions.

1,584,071. DRILL SUPPORTING AND FEEDING APPARATUS. GEORGE A. ARNOLD, Hartford, Conn., assignor, by mesne assignments, to Goodell-Pratt Company, a Corporation of Massachusetts. Filed Dec. 21, 1922. Serial No. 608,230. 13 Claims. (Cl. 77—6.)

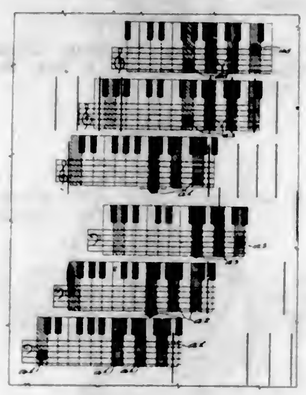


1. A drill stand including a work support, a standard carried thereby, a bracket carried by said standard, a pair of telescoping non-rotatable members, means for detachably securing one of said members to said bracket to depend from the latter toward said work support, means for detachably securing the other of said members to the casing of an electric motor-driven drill, said members and drill being suspended from and supported by the said bracket, and means for effecting the feeding movement of the last mentioned member endwise toward said work support and in respect to the other member.

1,584,072. CASTING METALS. ADOLF BECK, Griesheim-on-the-Main, Germany, assignor to Chemische Fabrik Griesheim-Elektron, Griesheim-on-the-Main, Germany. Filed July 16, 1923. Serial No. 651,959. 4 Claims. (Cl. 22—188.)

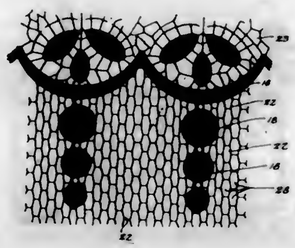
1. The method of preventing easily oxidisable metals and alloys from oxidising on being cast in undried moulds, comprising mixing moulding material with a non-metallic substance incapable of reaction with said metal and adapted, when heated by the heat emitted from the cast metal to form on the surface of the casting a layer preventing the casting being spoilt by the access or air and water vapor.

1,584,073. INSTRUCTION ROLL. ISABELLE MCKEE BLOCH, Chicago, Ill., assignor to The Q. R. S. Music Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1922. Serial No. 568,317. 5 Claims. (Cl. 84—165.)



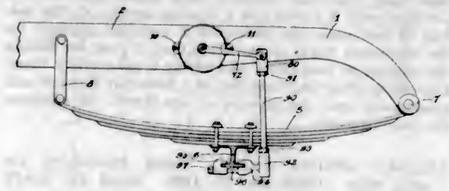
5. A perforated note sheet or music roll for utilizing automatic playing devices for teaching manual playing, having fragments of the manual of a keyed instrument delineated upon the same, and having also fragments of staff notation imprinted thereon, with the staff notes corresponding to the slots respectively of the perforated note sheet imprinted upon the delineation of the corresponding manual keys, the notes for different instruments being distinguished by arbitrary differentiation of the imprint for delineation of the manual keys, and the note groups of different chords being distinguished by arbitrary differentiation of the imprint of the notes on the staff.

1,584,074. METHOD OF MAKING ENSOR NET IN CONJUNCTION WITH OTHER NETS WITHOUT AID OF A BOTTOM-BAR JACQUARD. BERNARD W. BLORE, Norwalk, Conn., assignor to Connecticut Lace Works, Incorporated, Norwalk, Conn., a Corporation of Connecticut. Filed Oct. 10, 1924. Serial No. 742,941. 3 Claims. (Cl. 96—24.)



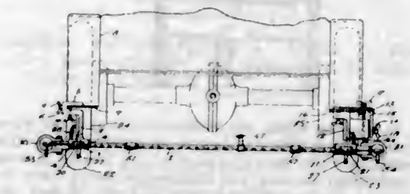
1. The method of making a small round hole mesh known as Ensor, comprising bobbin, reverse and independent threads in which the independent and reverse threads rise and fall two gaits in crossing, in conjunction with other nets and grounds made with the same threads, which consists in controlling the reverse bars carrying a plurality of threads from the jacquard controlling the independent threads.

1,584,075. SNUBBER. CLARENCE E. BOONE, Long Beach, Calif., assignor to Roy A. Terry, Long Beach, Calif. Filed Feb. 28, 1925. Serial No. 12,271. 6 Claims. (Cl. 188—89.)



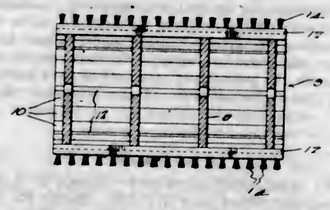
1. In a snubber, a reservoir chamber, a piston chamber, a piston movable in said piston chamber, an inlet check valve for the piston chamber, a restricted outlet port leading from the piston chamber, and a blowoff valve communicating with the piston chamber.

1,584,076. INDICATING DEVICE FOR SYNCHRONIZING THE BRAKING POWER APPLIED TO THE WHEELS OF VEHICLES. HARLAN B. BRISTOL, Burlingame, Calif. Filed Apr. 3, 1925. Serial No. 20,397. 4 Claims. (Cl. 73—51.)



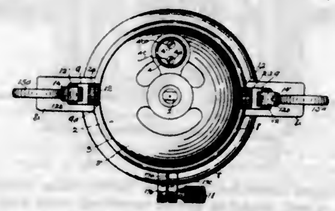
4. A device for synchronizing the applying of brakes to the opposite driven wheels of a vehicle comprising a frame; clamp means on the opposite ends of said frame to detachably hold said frame onto the opposite sides of a vehicle; an arm pivotally mounted adjacent each of the opposite ends of said frame; a roller revolubly journaled in the free end of each of said arms; a spring connecting each of the pivoted arms to the frame to hold each of the rollers in contact with each of the vehicle driven wheels; an indicating device operable by each of the rollers to indicate the variance in the number of revolutions of each of the respective vehicle wheels; and means operable with the applying of the brakes to the vehicle driven wheels to actuate each of the roller indicating devices.

1,584,077. CLEANER-BRUSH ATTACHMENT FOR THE ROTARY DRUMS OF COTTON-GIN FEEDERS. JOHN WALTER CARTER, Arlington, Tex., assignor of one-third to William I. Luckie and one-third to Mack C. Luckie, both of Arlington, Tex. Filed Mar. 12, 1925. Serial No. 14,968. 1 Claim. (Cl. 19—67.)



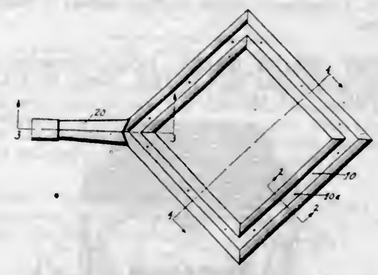
In a rotary drum for the feeders and cleaners of a cotton gin wherein the feeder includes a casing, and a screen arranged therein, a rotatable drum comprising a series of spaced discs, wooden staves extending across the peripheral edges of the discs and secured thereto, said staves being arranged in groups, the adjacent groups of the staves being spaced with respect to each other, brush heads in the form of elongated strips, interposed between the spaced groups of staves, said brush heads extending across the peripheral edges of the discs and secured thereto, teeth extending radially from the staves of each group, and bristles extending from the brush heads, the outer ends of the bristles being arranged in close proximity to the screen for cooperation therewith in separating dirt from the cotton during the movement of the latter in the casing.

1,584,078. PORTABLE ROUTING AND PROFILING MACHINE. RAY L. CARTER, Syracuse, N. Y. Filed Dec. 5, 1924. Serial No. 754,090. 5 Claims. (Cl. 90—12.)



1. A portable router including a hollow support having sockets parallel to its longitudinal axis, and having slots above and aligning with said sockets, said support having ratchet racks in the common plane of said sockets, an encased motor and a tool driven thereby reciprocatable in said support, the casing of said motor slidably engaging the bore of said support and having radial brackets adapted to be moved in said slots when the motor is reciprocated, said slots cooperating with the brackets for preventing the rotation of the motor casing, cushion means disposed in said socket adapted to support the motor and tool in the released position, and means carried by said brackets and engaging said racks adapted for moving the motor and tool towards the routing position.

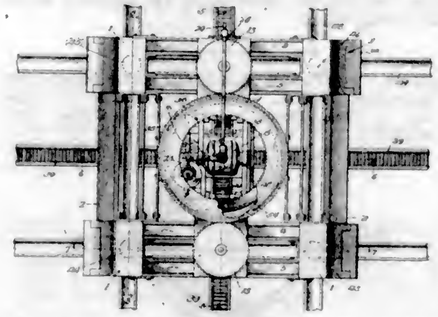
1,584,079. ANT TRAP. WILLIAM F. COOK, Crystal City, Tex. Filed Oct. 17, 1924. Serial No. 744,125. 1 Claim. (Cl. 43—121.)



An ant trap comprising in combination, a body portion shaped to completely surround an ant hole and having inner and outer walls spaced apart, the upper ends of the walls being curved first downwardly and then toward the walls, an outlet member communicating with the body portion and comprising a bottom, sides and top extended upwardly and outwardly, the outer end of the bottom being curved first outwardly and downwardly and toward the body portion, the sides of the outlet portion being arranged in engagement with the sides of the bottom portion and being extended outwardly beyond the bottom portion and downwardly beneath the bottom por-

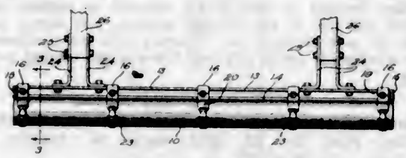
tion, the top member of the outlet portion being extended directly above the bottom member and projected outwardly from the body beyond the bottom portion, substantially as and for the purposes stated.

1,584,080. APPARATUS AND METHOD FOR HANDLING AND STORING AUTOMOBILES. FREDERICK P. DINKELBERG, Evanston, Ill. Filed Aug. 12, 1922. Serial No. 581,548. 30 Claims. (Cl. 214—16.)



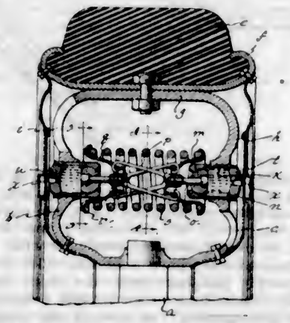
1. An apparatus for handling automobiles, comprising a truck, wheel engaging pieces connected with said truck and bodily movable with relation to said truck, and means for moving the pieces outwardly so as to cause them to project under the wheels of the automobile and lift it free of the surface on which it rests.

1,584,081. BUMPER. JOHN L. DOUGLASS, New York, N. Y., assignor to Isabel S. Douglass, New York, N. Y. Filed Mar. 30, 1925. Serial No. 19,519. 7 Claims. (Cl. 293—55.)



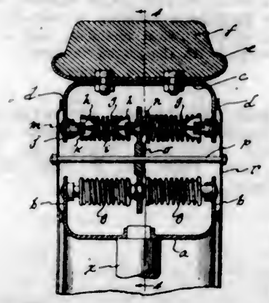
1. In a bumper, a vented air-filled element of resilient material.

1,584,082. SPRING WHEEL. PETER EISENBACH, Detroit, Mich. Filed Sept. 15, 1924. Serial No. 737,747. 4 Claims. (Cl. 152—37.)



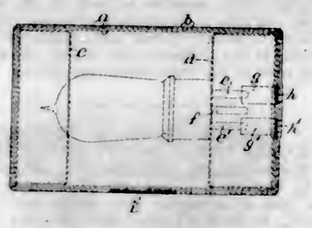
1. In a spring wheel, the combination of an inner wheel section provided with side flanges, an outer wheel section provided with side flanges, compression spring units connecting the side flange of one section to the side flange of the other section, said units each comprising a pair of studs having mushroom heads bearing fixtures secured to the said side flanges of both wheel sections and positioned opposite each other, said fixtures provided with a recess and a bearing surface at the bottom of the recess for providing a universal support for the mushroom heads of the studs, and a plug for closing the opening of said recess and having a passageway therethrough to allow the insertion of a lubricant through said passageway into the interior of the fixture to lubricate the bearing parts.

1,584,083. SPRING WHEEL. PETER EISENBACH, Detroit, Mich. Filed Apr. 17, 1925. Serial No. 23,848. 4 Claims. (Cl. 152—37.)



1. In a spring wheel, the combination of an inner wheel section provided with side flanges, an outer wheel section provided with side flanges, a floating ring located between the said wheel sections, and compression spring units for connecting the floating ring with said side flanges and yieldably resisting relative movement of said wheel sections.

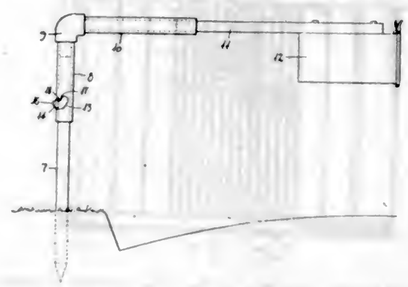
1,584,084. CONTAINER OR BOX FOR THERMIONIC VALVES, INCANDESCENT ELECTRIC LAMPS, AND THE LIKE. WILFRED ELLIOTT, Kirkburton, near Huddersfield, England. Filed May 23, 1925. Serial No. 32,376. 7 Claims. (Cl. 229—6.)



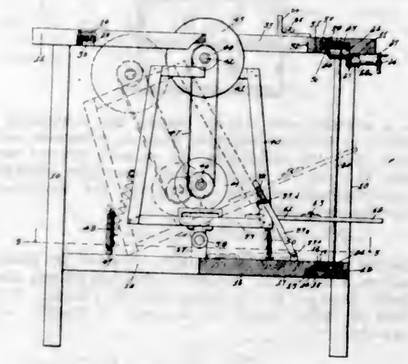
1. A container for an article adapted to be electrically energized, said container being adapted to to be sealed after receiving the article therein, and contact members carried by said container adapted to have electrical connections with the conducting elements of said article and accessible from the exterior of the container for conveniently connecting the article in an electrical circuit without opening the container.

1,584,085. MAIL-BOX SUPPORT. JAMES F. ENGLAND, Lebanon, Mo. Filed July 27, 1925. Serial No. 46,401. 2 Claims. (Cl. 232—40.)

1. A device of the character described comprising a post, a sleeve rotatable and slidable thereon, a mail box supporting arm connected to said sleeve, said sleeve having a slot, and a member carried by the post and located in said slot, the upper edge of said slot being formed with an inclined portion to bear on said member for turning the sleeve and arm to one position by the gravitation of the sleeve on the post, and the upper edge of said slot being formed with a portion at the lower end of said inclined portion to engage over said member and hold the sleeve in raised position with the arm turned from the firstnamed position.



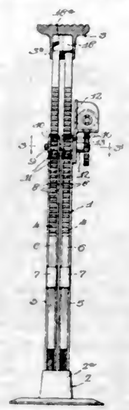
1,584,086. SAWING MACHINE. LESTER T. FONDA, Ames, Iowa. Filed Dec. 11, 1922. Serial No. 606,166. 2 Claims. (Cl. 143—6.)



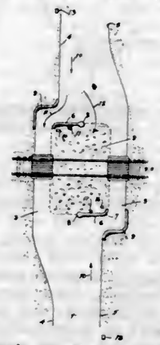
1. In a device of the class described, a supporting frame having a top member and a bottom member, each of said members being provided with a circular opening, a saw table rotatively mounted in the opening in the top member, a saw platform rotatively mounted in the opening of said bottom member, said saw table and said circular platform each being provided with an annular rack, a pinion for each of said racks, a vertically arranged shaft for carrying and connecting both of said pinions to provide means whereby said saw table and said supporting table may be rotated in unison, and means for imparting rotary movement to said vertical shaft.

1,584,087. AUTOMOBILE JACK AND RIM TOOL. MARK GELDER, Chicago, Ill. Filed Sept. 16, 1925. Serial No. 56,605. 5 Claims. (Cl. 254—97.)

1. In a tool of the character described, the combination of a pair of relatively fixed supporting members, an endwise extensible member located in one of said relatively fixed supporting members, means for pivotally connecting said relatively fixed members to swing about a common axis and in parallel planes, means for extending said extensible member, rim engaging members at the ends of said supporting members and said extensible member, and a detachable foot member adapted to be applied over the free ends of said supporting members.

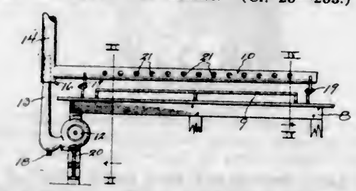


1,584,088. RAILWAY GRADE CROSSING. PAUL E. GLAFCKE, Denver, Colo. Filed June 9, 1924. Serial No. 718,719. 1 Claim. (Cl. 238—3.)



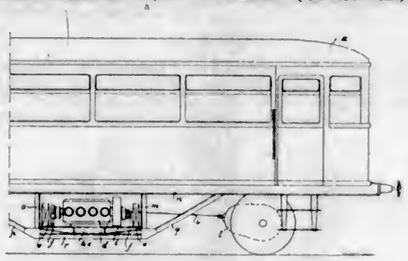
In a railway grade crossing, a unit zone including approach, detour and departure routes arranged adjacent to an inner area whose center rests on the center of the railway right of way, said inner area serving to split and segregate traffic, forcing some to pass over certain routes but permitting others to pass through the same, in the manner and for the purpose specified.

1,584,089. DIGESTION APPARATUS. PHILIP A. GOLDFISCH, Kansas City, Mo. Filed Sept. 11, 1925. Serial No. 55,740. 10 Claims. (Cl. 23—253.)



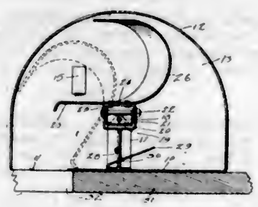
1. A fume tube for digestion apparatus of the class described having a series of inwardly projecting pockets formed in the wall thereof.

1,584,090. RAILROAD MOTOR CAR. ERHARD GRÜBLER, Borsdorf, near Leipzic, Germany. Filed Apr. 4, 1925. Serial No. 20,800. 4 Claims. (Cl. 105—62.)



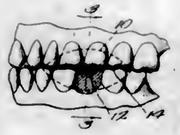
1. Railroad motor car comprising an underframe, a frame arranged below said underframe for horizontal displacement relatively to said underframe and an internal combustion motor mounted on said frame.

1,584,091. ANIMAL-TRAP STRUCTURE. CHARLES O. HARKER, Grand Junction, Iowa. Filed June 2, 1924. Serial No. 717,279. 3 Claims. (Cl. 43—71.)



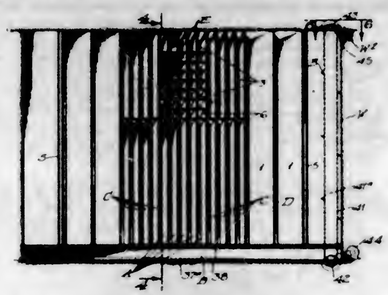
1. A trap having a curved portion and a bottom portion, said bottom portion being provided near one side with a discharge opening, said trap having end members, one of said end members having an inlet opening, a platform mounted within said trap for receiving animals entering through said lateral opening and mounted to tilt in two directions, means for normally holding said platform in set position, said means including a locking device adapted to be released when the platform is tilted in one direction by the weight of an animal thereon, and a weighted plate adapted to serve as a counter-balance, and as a closure member for the inlet opening when the platform is tilted to discharging position.

1,584,092. DENTAL IMPRESSION TRAY. PETER ANDREW HARRIS, Chicago, Ill. Filed May 16, 1925. Serial No. 30,715. 2 Claims. (Cl. 32—6.)



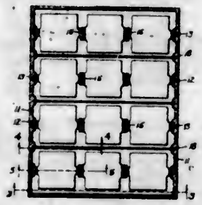
1. A dental tray having sides and a cross bar connecting them, said bar being horizontally slotted, and a flexible partition passing through the slot and being supported by said bar.

1,584,093. GOLF PRACTICE GAME APPARATUS. REX HARRIS, San Diego, Calif. Filed June 25, 1925. Serial No. 39,496. 14 Claims. (Cl. 273—103.)



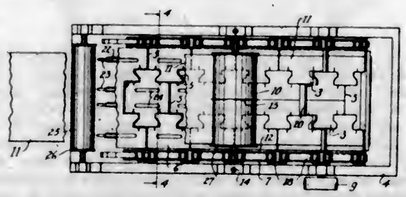
1. In a game apparatus of the class described, a yieldable target provided with a plurality of vertically arranged pockets variously spaced and subdivided.

1,584,094. STORAGE BATTERY. NEWTON HARRISON, Milford, Conn. Filed June 19, 1922. Serial No. 569,490. 22 Claims. (Cl. 136—17.)



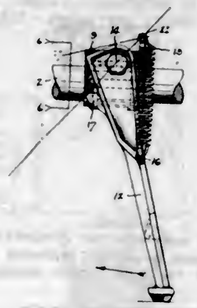
1. A multiple unit storage battery cell comprising a plurality of localized electrical units in a common electrolyte, each unit comprising one or more positive electrodes and one or more negative electrodes arranged in superimposed relation, and means for electrically connecting said units.

1,584,095. SHINGLE MACHINE. NORMAN P. HARSHBERGER, Chicago, Ill., assignor to Tee-Lok Shingle Company, Chicago, Ill., a Corporation of Illinois. Filed June 9, 1921. Serial No. 476,241. 9 Claims. (Cl. 164—28.)



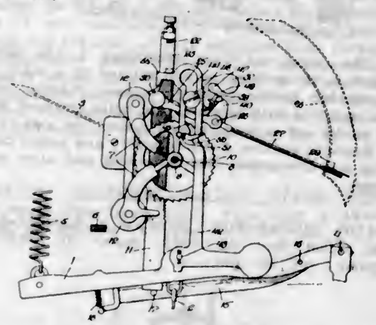
1. A machine for cutting shingles from a relatively flat sheet of composition roofing material, said machine comprising a plurality of blocks arranged for movement one in advance of the other, means pivotally connecting one end of each block with the central portion of the following block, means for moving said blocks forwardly, cutting knives projecting from each of said blocks and adapted to cut through the roofing sheet and arranged to conform to the shape of the shingles to be cut, means for forcing the sheet against said knives, and a roller positioned under said supporting means for supporting said blocks.

1,584,096. LEANING SUPPORT FOR MOTOR CYCLES AND THE LIKE. ELDON C. HENDERSON, San Francisco, Calif. Filed Oct. 6, 1925. Serial No. 60,879. 5 Claims. (Cl. 208—79.)



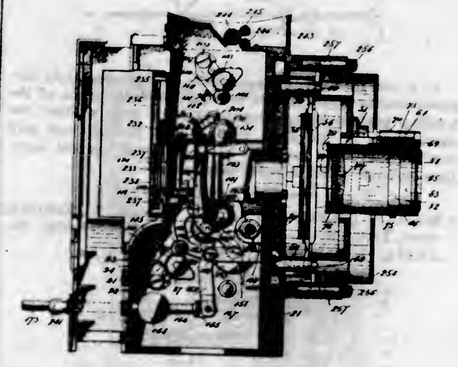
1. A device, such as described, comprising a bracket attachable to the frame of a bicycle; a single support arm pivoted to said bracket; a spring connected to the said support arm and bracket to hold said arm against the frame in an inoperative position; and coacting locking means on the bracket and arm, to hold the support arm in an operative position at an angle to the frame to support the bicycle in a substantially vertical leaning position.

1,584,097. WEIGHING SCALE. GUSTAV F. HOCHREIM, Chicago, Ill. Continuation of application Serial No. 500,523, filed Sept. 14, 1921. This application filed Nov. 21, 1921. Serial No. 516,551. 1 Claim. (Cl. 194—47.)



In a weighing scale having a weight support and a weight indicating pointer, the combination of a beam adapted to be actuated by the support, a gravity actuated rack-bar the position of which is determined by the position of the beam, a pinion interconnecting the rack-bar and the pointer, a ratchet wheel associated with the pinion, a pawl adapted to cooperate with the ratchet wheel to prevent the movement of the pinion and rack-bar in response to depression of the beam, a coin controlled lever for disengaging the pawl from the ratchet wheel when a coin is deposited, a latch for holding the pawl out of engagement with the ratchet wheel after a coin has been deposited and until a weight has been indicated, a slotted trip pivotally connected to the beam and having a ratchet tooth which cooperates with the latch to cause the release of the pawl and the coin controlled lever after a weight has been indicated, and a pivoted pawl on the trip for insuring that the trip is disengaged from the latch as the beam approaches normal to insure the indication of a weight upon the subsequent deposit of a coin.

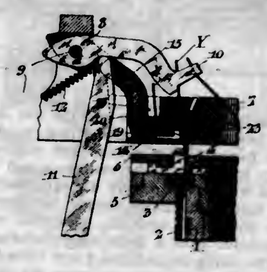
1,584,098. PROJECTING APPARATUS FOR MOVING-PICTURE MACHINES. ARTHUR J. HOLMAN, Boston, Mass. Filed Apr. 23, 1923. Serial No. 633,925. 15 Claims. (Cl. 88—16.8.)



4. In a device of the character specified the combination of a movable variable refracting means comprising a pair of overlapping rotatable discs each made up of a plurality of refracting elements arranged to compensate the effect of downward movement of the film strip, an aperture mount slidable along the optical axis, a front objective, and means whereby said front objective is slidably mounted in a manner whereby its position may be shifted along the optical axis for the purpose of changing the equivalent focal length thereby securing exact registration of superimposed images on the screen.

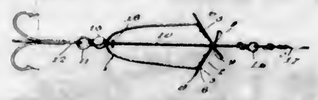
10. In a device of the character specified the combination of a movable variable refracting means comprising a pair of overlapping rotatable discs each composed of a plurality of optical elements symmetrically placed so that their adjacent edges are radial, and a plurality of opaque patches each of which is placed symmetrically across a pair of adjacent radial edges near the outer periphery of each of said discs.

1,584,099. YARN FEED FOR KNITTING MACHINES. JESSE C. KANE, Easton, Pa., assignor to Chipman Knitting Mills, Easton, Pa., a Corporation of Pennsylvania. Filed May 2, 1923. Serial No. 636,039. 3 Claims. (Cl. 66—136.)



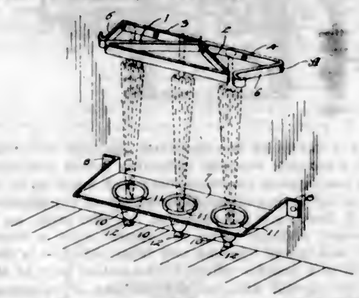
1. A unitary yarn feed having a multi-stepped foot and laterally-offset toe designed for pivotal mounting so that it can be swung into and out of active postion with respect to the needles of a knitting machine, and adapted to simultaneously direct a plurality of different yarns with distinctive angles of approach to said needles in such a manner as to predetermine production of plated fabric.

1,584,100. FISH LURE. FRANK L. KOEPKE, Ridgefield, Wash. Filed Mar. 23, 1925. Serial No. 17,785. 5 Claims. (Cl. 43—45.)



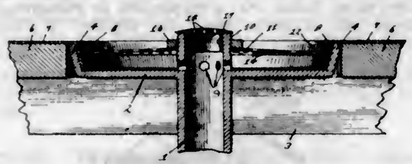
1. A fish lure comprising a body having oppositely disposed angular trailing and head portions, the arms of the trailing portion being secured at their ends against the inner faces of the arms of the head portion and said trailing and head portions having aligned central openings through which a shaft may extend.

1,584,101. UMBRELLA RACK. EDWARD C. KOVARIK, New York, N. Y. Filed June 4, 1925. Serial No. 34,841. 1 Claim. (Cl. 211—14.)



An umbrella rack comprising a supporting plate having an opening, a funnel-shaped cup adapted to be received in the opening and adapted to fit snugly at its larger end within the opening of the plate, the cup being provided at its larger end with an outstanding flange adapted to rest upon the surface of the supporting plate, the cup being provided at its smaller end with a hollow globular extension, there being provided a diametrically constricted opening at the smaller end of the cup which communicates with the interior of the globular extension.

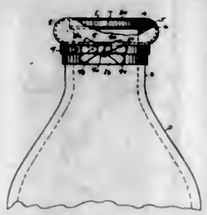
1,584,102. DRAIN FIXTURE. HARRY LEE, San Francisco, Calif. Filed June 8, 1925. Serial No. 35,552. 2 Claims. (Cl. 182—31.)



1. A drain for shower baths and the like comprising a floor lining having an opening and downwardly converging annular flange formed around the opening; a drain pipe; a tray formed adjacent the upper end of the pipe and provided with an upwardly diverging annular flange adapted to engage the lining flange; an apertured cover mounted in connection with the upper end of the drain pipe and provided with a flange edge engaging the inner surface of the lining flange; and a nut threaded onto the upper end of the drain pipe to press the cover against the lining and thereby wedge the lining flange against the tray flange to prevent leakage of water thereover.

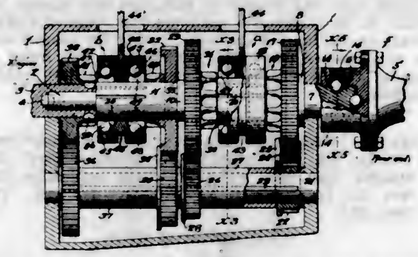
1,584,103. BOTTLE CLOSURE. HARRY S. LEE, Syracuse, N. Y. Filed Oct. 6, 1925. Serial No. 60,880. 2 Claims. (Cl. 215—84.)

1. A combined fastener and means for indicating unauthorized tampering with the protective wrapper of an article comprising a pliable tape, the ends of the tape being tied by means of a bow-knot and the bows being sheared for providing a plurality of radiating arms in addition to the normal free ends of the tape, and the



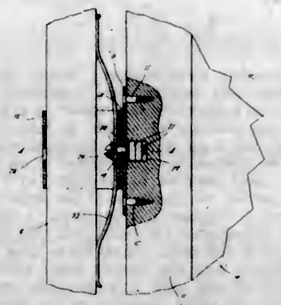
shearing of said bows effecting a substantial shortening of the tape adapted to prevent replacing of the fastener and restoring of the tape to the wrapper in case the knot is untied.

1,584,104. CLUTCH. AMBROSE LENTATY, Los Angeles, Calif. Filed Mar. 25, 1924. Serial No. 701,644. 8 Claims. (Cl. 192—67.)



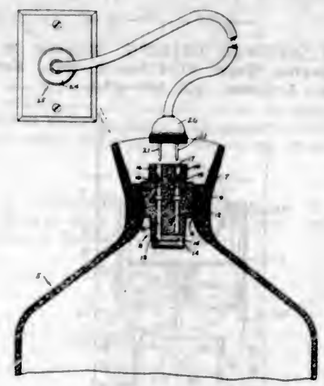
1. The clutch set forth comprising a hub member adapted to be mounted on and rotated by a shaft, said hub member having threaded recesses therein; clutch balls seated in said recesses, said balls arranged to extend partly out of said recesses toward the axis of said hub member; another clutch member; and means for engaging and disengaging said balls with said other clutch member.

1,584,105. REFLECTOR. WILLIAM A. LENZ, Lebanon, Mo. Filed Mar. 30, 1925. Serial No. 19,515. 6 Claims. (Cl. 45—100.)



1. In a device of the character described, a bar, a slide movable on said bar, a reflecting member pivotally connected with said slide, and a spring having a yieldable portion between the slide and bar for creating friction between them, and having another independently yieldable portion arranged to yield and create friction between the slide and reflecting member.

1,584,106. ELECTRIC HEATING ATTACHMENT FOR HOT-WATER BAGS AND THE LIKE. MAURICE CHARLES LEVINSON, Long Beach, Calif., assignor, by direct and mesne assignments, to Keep-Hot Stopper Co., Long Beach, Calif., a Corporation of California. Filed Mar. 24, 1925. Serial No. 17,908. 2 Claims. (Cl. 219—40.)

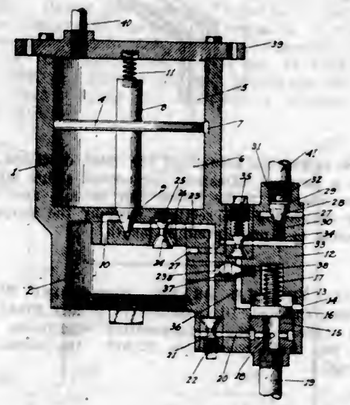


1. In an electrical heater for hot water bags, the combination of a hot water bag having a filling port, a stopper formed of an insulating material adapted to detachably engage said filling port to close the same, a pair of electrodes disposed in said stopper and extending through the lower end thereof to form a gap therebetween, one of said electrodes being formed of an expansible metal and the other of said electrodes being formed of a non-expansible metal, whereby when the expansible electrode is heated the same will expand to increase the gap therebetween and open the circuit to the flow of electric current therethrough, and means to detachably connect said electrodes to a source of electrical energy.

1,584,107. CLOTHES-CLEANING BRUSH. JAY A. LIVESAY, San Diego, Calif. Filed Sept. 5, 1923. Serial No. 660,992. 1 Claim. (Cl. 15—188.)

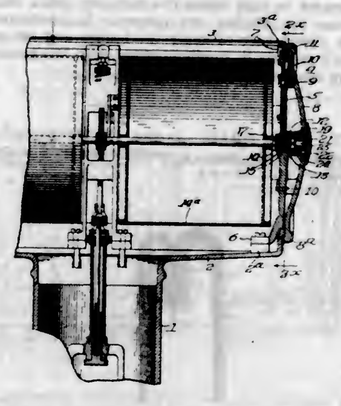
In a brush of the class described, a bristle supporting member, a tank positioned on one side of said bristle supporting member and secured thereto, and a valve positioned in the passage between said tank and said bristle supporting member, said valve including a resilient bowed member secured at one end to said tank with its free end extending to the exterior of said tank for manipulating the valve, and a valve member positioned intermediate the ends of said resilient member and adapted to be positioned over an opening in said tank by means of the inherent spring of the resilient member.

1,584,108. AUTOMATIC RETAINING VALVE. JOHN E. LONG, Marysville, Calif., assignor of one-third to I. H. Caplan and one-third to Samuel Caplan, both of Fresno, Calif. Filed Mar. 1, 1924, Serial No. 696,880. Renewed Dec. 26, 1925. 33 Claims. (Cl. 303—77.)



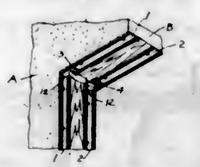
1. A normally closed retaining valve, for air brake systems, means whereby with each consecutive application and release of the brakes a predetermined brake pressure will be retained, and means whereby the retained pressure may be eliminated by a dual train line pressure reduction without an intermediate restoration of such pressure.

1,584,109. CHART HOUSING AND BEARING FOR SCALES. GEORGE M. LUDLOW, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1924. Serial No. 740,899. 24 Claims. (Cl. 265—39.)



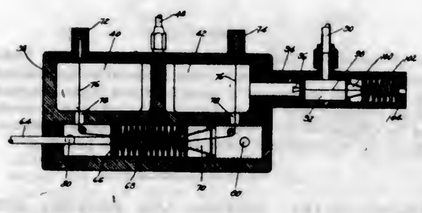
1. In a chart housing for weighing scales, a supporting member, end frames mounted on said supporting member, separately formed end walls mounted upon said end frames independently of said support, and means for varying the spacing of the end walls from the end frames at a plurality of points at will.

1,584,110. ADJUSTABLE GROUND FOR PLASTERING. CHARLES B. MCCALLUM, Oakland, Calif. Filed Feb. 24, 1925. Serial No. 11,042. 7 Claims. (Cl. 33—85.)



1. An adjustable ground of the class described, comprising a pair of adjustably connected strips made in sections, adapted to be joined end to end, and means slidably connecting the sections whereby the strips may be adjusted to a predetermined length.

1,584,111. VEHICLE BRAKE. MONTGOMERY W. MCCONKEY, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1925. Serial No. 32,317. 19 Claims. (Cl. 303—32.)



1. A vehicle having, in combination, brakes, means for operating the brakes including a power-operated member, two reservoirs for fluid at other than atmospheric pressure and acting in opposite directions on said member, the pressures in said reservoirs normally being balanced, and means for placing one reservoir in communication with the atmosphere to apply the brakes and for placing the other reservoir in communication with the atmosphere to relieve the pressure on the brakes.

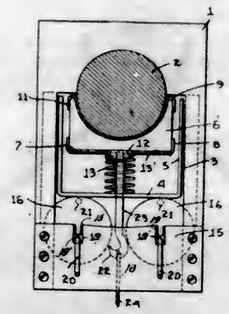
1,584,112. MAP HEAD. JAMES G. MCCONNELL, Chicago, Ill. Filed Aug. 7, 1924. Serial No. 730,699 7 Claims. (Cl. 35—6.)

1. A map head comprising a rigid strip having oppositely disposed rolled edges, a second rigid strip having one rolled edge and means for fastening the strips together to hold the sheets therebetween.

1,584,113. LIBRARY PASTE. WILLIAM E. MALM, Cleveland, Ohio. Filed May 17, 1920. Serial No. 381,556. 5 Claims. (Cl. 87—17.)

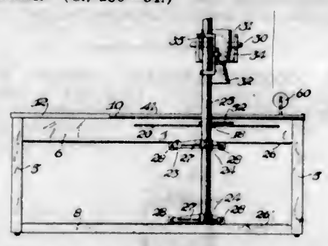
5. The method of making library paste which with aging becomes white, consisting in cooking dextrine with water at approximately 170° Fahrenheit, cooling to about 100° Fahrenheit, adding a glucose solution, and mixing with the product a saturated solution of calcium and magnesium chlorides.

1,584,114. JOURNAL BEARING. WILLIAM M. MANNING, Seattle, Wash. Filed June 9, 1924. Serial No. 718,973. 5 Claims. (Cl. 308—88.)



1. In a journal bearing, the combination of a brick of lubricant, a pan containing the same, a perforated top which fits the journal, a movable frame, a spring between the frame and the pan which urges the pan upwardly toward the journal, and means for adjustably holding the frame in raised position including a set of cams.

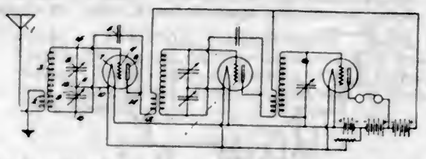
1,584,115. X-RAY APPARATUS. WILLIAM MEYER, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,210. 10 Claims. (Cl. 250—34.)



1. In X-ray apparatus a subject supporting surface comprising a thin sheet formed of a phenol product of condensation and interposed between the source of X-rays and the plate or film, said phenol product of condensation surface being presented directly to the source of X-rays and supporting the X-ray subject between the source of X-rays and said plate or film.

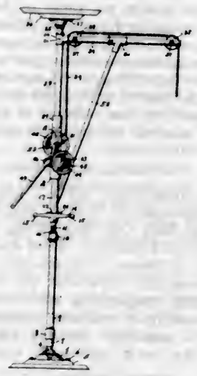
1,584,116. RADIO RECEIVING APPARATUS. BYRON B. MINNIUM, Chicago, Ill., assignor to Walter H. Huth, Chicago, Ill. Original application filed Dec. 8, 1924, Serial No. 754,501. Divided and this application filed Feb. 1, 1926. Serial No. 85,295. 2 Claims. (Cl. 179—171.)

1. Radio frequency receiving apparatus comprising a vacuum tube having a filament, a grid and a plate, an inductance, a pair of simultaneously adjustable series condensers connected in effective shunt thereto and adapted to tune said inductance to resonance with a signal, means associating said condensers whereby the adjustment of one is accompanied by the adjustment of the other, a tap from the common point of said condens-



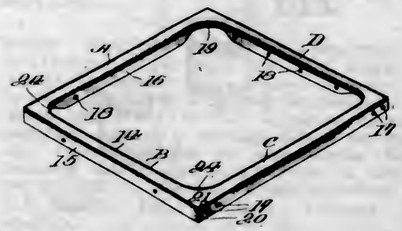
ers to said filament, a lead from said grid to one end of said inductance, a connection from the plate to the other end of said inductance, said connection including a capacity, and an inductance in the output circuit of said tube.

1,584,117. PORTABLE CRANE. WILLIAM M. MITCHELL, Detroit, Mich. Filed Dec. 21, 1922. Serial No. 608,316. 3 Claims. (Cl. 212—61.)



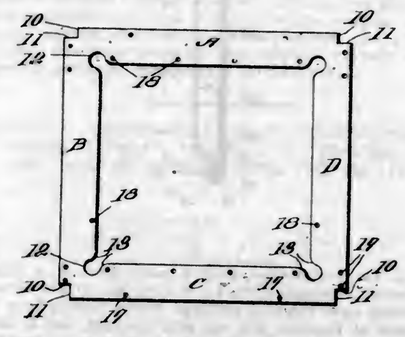
1. In a crane, a mast formed of two alined parts freely rotatable relative to each other, one of the parts being longitudinally extensible, a windlass and a boom connected to one of said parts of the mast, and means to secure the upper and lower ends of the mast consisting of a socket adapted to be pressed against the ceiling of a building and in which the upper end of the mast is rotatable and a lower contact plate connecting to the lower end of the mast by means of a universal joint.

1,584,118. COOKING TOP OR BURNER FRAME FOR GAS RANGES OR THE LIKE. HENRY MOECKER, Jr., Homewood, and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 18, 1924. Serial No. 756,771. 3 Claims. (Cl. 126—211.)



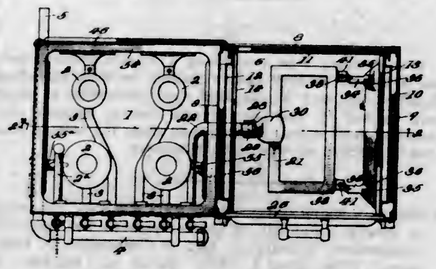
1. A stove top comprising a narrow rectangular frame stamped from sheet metal, the frame having its outer corners notched, the inner and outer edges turned downwardly forming a narrow U-shape in cross section, with its inner corners curving gradually upward from the lower edge of the inner turned down edge for the purpose described.

1,584,119. METHOD OF MAKING COOKING TOPS OR BURNER FRAMES FOR GAS RANGES OR THE LIKE. HENRY MOECKER, Jr., Homewood, and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Original application filed Dec. 18, 1924, Serial No. 756,771. Divided and this application filed June 15, 1925. Serial No. 37,167. 5 Claims. (Cl. 113—116.)



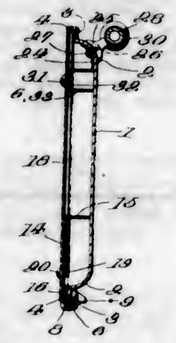
1. The method of making a frame, comprising stamping the frame in one piece from a sheet of material, forming angular notched portions at the outer corners of the frame, forming circular cut out portions at the inner corners of the frame, bending the edges of the frame downwardly in a line inside of the notched corners, bending the inner edges of the frame downward on a line inside of the circular cut out portions, whereby the inner corners of the frame are rounded and the walls of each notched portion at the outer corners of the frame abut and a frame is formed which is substantially U-shaped in cross section.

1,584,120. RIGHT AND LEFT HAND OVEN GAS RANGE. HENRY MOECKER, Jr., Homewood, and OTTO HAMMERMEISTER and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 29, 1925. Serial No. 53,292. 8 Claims. (Cl. 126—39.)



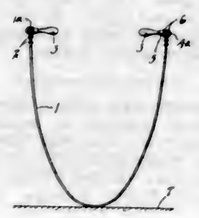
1. A gas range comprising an oven and an open burner part, said oven having a reversible burner with a central gas opening, the open top having a manifold, and a single oven burner manifold extending from the said open burner manifold substantially to the center of the oven and through its walls and connected with the oven burner, whereby the burner may be reversed and placed in position for either a right or left hand oven without any change in their construction.

1,584,121. OVEN DOOR. HENRY MOECKER, Jr., Homewood, and THEODORE THOMPSON, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Sept. 28, 1925. Serial No. 59,029. 17 Claims. (Cl. 126—190.)



1. The combination with a stove door, of a hinged element overlapping the stove door, the hinged element having screw-threaded openings, screws passing from the inside of the door into the said openings, and a lining applied to the inner side of the door and concealing the said screws.

1,584,122. SKIPPING DEVICE. MARK M. MOORE, Minneapolis, Minn. Filed Aug. 7, 1924. Serial No. 730,559. 4 Claims. (Cl. 272—75.)

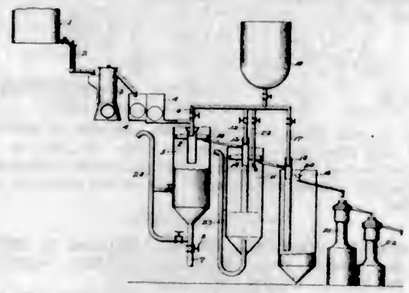


1. A jumping rope comprising a flexible member having a handle at each end, a journal member extending axially from said handle and rigid therewith, a single loop formed by one end of said flexible member surrounding said journal member, and disks for holding said loop in position on said journal member.

1,584,123. EXTRACTING OIL FROM MILK. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 2, 1923. Serial No. 622,460. 3 Claims. (Cl. 99—13.)

1. The process of securing oil from milk which consists in separating the cream from the skim milk, washing the cream, diluting the washed cream with water, maintaining the dilution at a temperature and for a time sufficient to break the emulsion, coagulating the remaining casein, and permit the oil to rise to the surface, then filtering the hot supernatant layer of oil, and finally drying the same or freeing it from moisture.

1,584,124. PROCESS OF OBTAINING OIL AND CASEIN FROM CREAM. CHARLES E. NORTH, Montclair, and HERBERT B. LARNER, East Orange, N. J., assignors to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Feb. 19, 1924, Serial No. 693,772. Renewed Oct. 6, 1925. 15 Claims. (Cl. 99—13.)

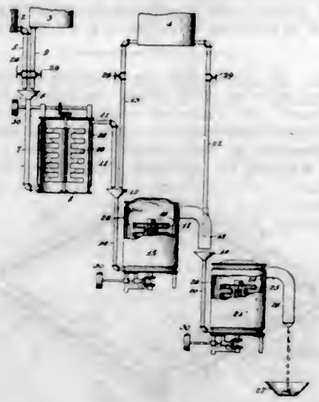


1. The process herein set forth of recovering the oil and the casein or curds from sour cream, which consists in cooling the cream, whipping it, heating the whipped cream to a temperature sufficient to melt the fat and coagulate the curds, adding to the melted cream sufficient water to form a mixture with a fat content of not more than 20%, permitting this mixture to stand in a settling tank until the oil rises to the surface and the curds are precipitated to the bottom.

1,584,125. PRODUCING MILK OIL FROM SOUR CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 5, 1924. Serial No. 704,351. 2 Claims. (Cl. 99—13.)

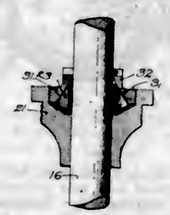
1. The process of recovering oil from sour cream, which consists in evaporating such cream until all the water is removed and complete coalescence of the fat globules results, and then filtering the resulting oil to separate out the curds suspended therein.

1,584,126. PROCESS OF EMULSIFYING AND CONVERTING FATS INTO CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 27, 1925. Serial No. 5,173. 6 Claims. (Cl. 99—11.)



1. The process of emulsifying fats which comprises melting the fat into the form of an oil; adding an emulsifying agent to the oil, and continuously feeding the oil and agent into a vessel; agitating the materials therein to form an emulsion of very fine globules of fat separated by and coated with the emulsifying agent; and displacing the emulsion out of said vessel by the pressure of incoming materials.

1,584,127. LEAK-STOP CONSTRUCTION. LEWIS C. NORTON, Chicago, Ill., assignor to Norton Door Closer Company, Chicago, Ill., a Corporation of West Virginia. Filed June 5, 1922. Serial No. 565,955. 5 Claims. (Cl. 286—35.)



1. The combination with a rotatable shaft, of a leak-proof packing construction for said shaft comprising a packing gland having a conical surface surrounding said shaft, and an integral piece of flexible material shaped to provide a cylindrical portion immediately surrounding said shaft, and a conical portion integral with said cylindrical portion and bearing against the conical portion of the packing gland, a plurality of arcuate wedge members located between the cylindrical portion and the conical portion of the flexible pieces, and means for forcing said wedge members downwardly whereby the conical surface of the packing gland will force them inwardly to bind the cylindrical flexible material snugly against the shaft.

1,584,128. INDICATOR FOR FIRE EXTINGUISHERS. CHARLES NUHRING, Cincinnati, Ohio. Filed Oct. 9, 1924. Serial No. 742,728. 2 Claims. (Cl. 116—114.)

2. An indicating device for fire extinguishers, comprising a casing, a pocket formed in one of the vertical walls of said casing, said pocket being open at the top, a transparent panel in front of said pocket, an indicator element adapted to fit into said pocket and to drop therefrom by gravity upon inversion of the device, and means above said pocket for preventing the return of said indicator element.

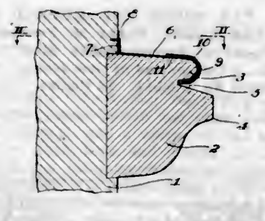
1,584,129. PROCESS FOR THE MANUFACTURE OF COLLOIDAL SUBSTANCES IN THE FORM OF SMALL BALLS OR GRAINS. ALBERT OBERSOHN, Berlin-Charlottenburg, WILHELM WACHTEL, Berlin, DANIEL SAKOM, Wiesbaden, and PAUL ACKENASY, Karlsruhe, Germany, assignors to Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Original application filed Mar. 13, 1924, Serial No. 699,127. Divided and this application filed Jan. 7, 1925. Serial No. 1,085. 3 Claims. (Cl. 83—91.)

1. The process for producing colloidal substances of the class described in granular form consisting in preparing the substance in the form of hot concentrated solution miscible with water, splitting the solution into the form of drops, and passing the drops into a highly cooled aqueous liquid normally solvent of said substance and removing the solidified drops therefrom before any substantial solvent action occurs.

1,584,130. PROCESS OF MAKING A FERTILIZER. EDWARD LLOYD PEASE, Darlington, England. Filed Apr. 1, 1922. Serial No. 548,880. 15 Claims. (Cl. 71—9.)

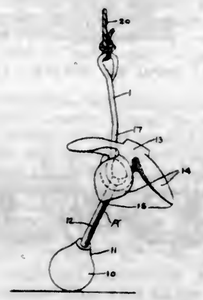
1. The process of producing material free from or low in calcium compounds and containing an ammonium compound and a secondary fertilizing material disseminated throughout the mass of said material, which consists in bringing semi-dry absorbent material free from or low in calcium compound and containing a chemical compound capable of interacting with ammonia, and a secondary fertilizing material, into intimate contact with gaseous ammonia, substantially as described.

1,584,131. SHEET-METAL ROOF CONSTRUCTION. ELLIOTT E. PERRITT, Pittsburgh, Pa. Filed Mar. 11, 1926. Serial No. 93,822. 6 Claims. (Cl. 189—87.)



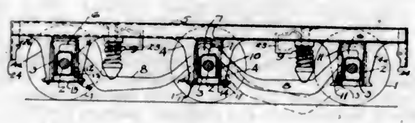
1. The combination with a horizontal wall member having a longitudinal rib extending along its outer edge, of a protecting sheathing of sheet metal covering such wall member and bent around said rib, and strips of relatively stiff metal spaced at intervals along the upper face of the sheathing with their outer ends bent over and supporting the bent edge of the sheathing, and means securing the portions of the strips lying above the sheathing thereto.

1,584,132. ANCHOR. KOLBIN PETERSON, Moorhead, Minn. Filed July 9, 1924. Serial No. 725,000. 7 Claims. (Cl. 114—207.)



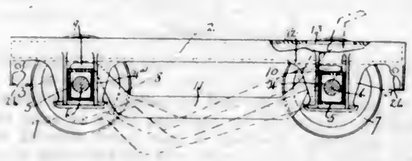
3. A boat anchor wherein a shank is formed integral with a weight end and the fluke end thereof, a link having an offset portion, a loop formed in said off-set portion adapted to engage said shank freely slidably in a manner to engage over the weighted end to raise the anchor.

1,584,133. CAR TRUCK AND METHOD OF ASSEMBLING THE SAME. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 7, 1924. Serial No. 718,516. 20 Claims. (Cl. 105—194.)



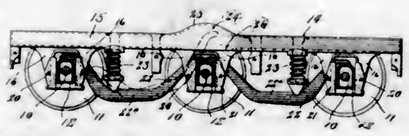
1. In a car truck, a frame including a wheel piece, pedestals integral therewith, at least one of said pedestals having a permanently enclosed slot in its leg for receiving an equalizer bar, journal boxes in said pedestals, and a removable depressed equalizer bar carried by said boxes in the same vertical plane as said wheel piece.

1,584,134. CAR TRUCK AND METHOD OF ASSEMBLING THE SAME. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 7, 1924. Serial No. 718,517. 18 Claims. (Cl. 105—194.)



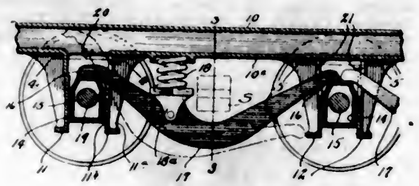
1. In a car truck, a wheel piece having upper and lower walls, a pedestal on said wheel piece, said wheel piece having openings in its upper and lower walls over one of said pedestals for the introduction of one-piece depressed equalizer bars.

1,584,135. CAR TRUCK AND METHOD OF ASSEMBLING THE SAME. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 7, 1924. Serial No. 718,518. 34 Claims. (Cl. 105—194.)



1. In a car truck, a wheel piece, a pedestal carried thereby, an upward projection on said wheel piece over said pedestal, said wheel piece being recessed from below beneath said projection to permit the insertion of the end of an equalizer bar.

1,584,136. CAR TRUCK AND METHOD OF ASSEMBLING THE SAME. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 4, 1925. Serial No. 34,984. 14 Claims. (Cl. 105—194.)



1. In a car truck, a wheel piece having integral pedestals, said wheel piece and said pedestals being provided with correlated openings for receiving the respective end of an equalizer bar during the application thereof in operative position.

1,584,137. PROCESS OF PRODUCING HYDROCYANIC ACID. ROBERT W. POINDEXTER, Jr., Los Angeles, Calif., assignor, by mesne assignments, to California Cyanide Company, Incorporated, a Corporation of Delaware. Filed Dec. 2, 1919. Serial No. 341,993. 1 Claim. (Cl. 23—151.)

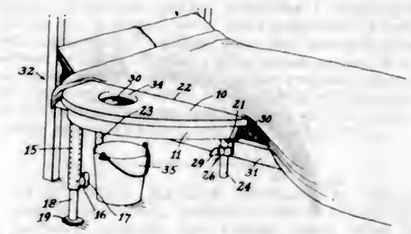
The process of producing hydrocyanic acid from mixtures of ammonia and a hydro carbon in the gaseous phase, which comprises causing the mixture to react at an elevated temperature while it is passing through a heated zone at a rate which precludes substantial reduction in efficiency because of decomposition of the ammonia and reaction products and so that the time during which the mixture remains in the heating zone is approximately one second when the temperature is approximately 1200° C.

1,584,138. SOCKET WRENCH. THEOFIL A. POMIJE and JOHN W. EMMERS, Le Sueur Center, Minn. Filed Mar. 19, 1923. Serial No. 625,961. 3 Claims. (Cl. 81—124.1.)

1. A socket wrench comprising a head having an angular socket therein opening at one end thereof, a shank extending longitudinally from the other end of said head and of smaller diameter than the diameter of said socket thus forming a shoulder against said head, said head having a plurality of openings extending through said shoulder longitudinally of said head, a sleeve slidable on said shank and carrying a plurality of prongs slidable through said openings to engage a nut held in said socket for ejection.

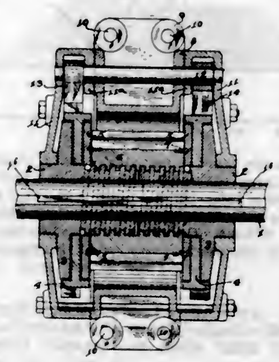
1,584,139. BEDSIDE TABLE. WALTER PORTER, Garden Grove, Calif. Filed Dec. 1, 1924. Serial No. 753,116. 3 Claims. (Cl. 5—332.)

2. A bedside table comprising a top-piece, an extensible leg under one corner of said top-piece, a pair of legs pivotally attached to the side of said top-piece opposite the first mentioned leg, and means to secure said pair of legs adjustably to the side rail of a bed-



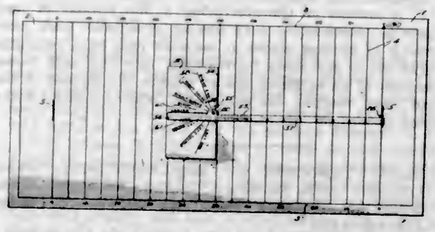
stead, said means being adapted to support said table at a sufficient height above the bed to provide leg room between said top piece and bed rail.

1,584,140. AUTOMATIC TWO-WAY BRAKE. MAE WEST POWELL, Chicago, Ill. Filed Feb. 7, 1925. Serial No. 7,494. 7 Claims. (Cl. 188—82.)



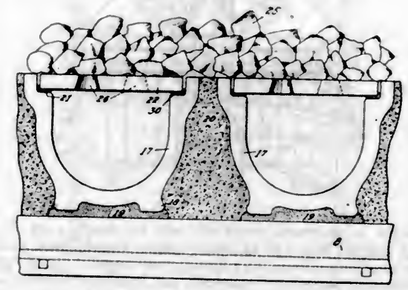
1. In a double acting brake, a pair of separable, externally threaded sections, each section having a radial flange, a ratchet wheel adjacent each flange, a gear threaded upon said sections, a friction disk adjacent each end of the gear for cooperation with said ratchet wheel, a sectional housing surrounding said ratchet wheels and reversely acting pawls carried by said housing for coaction with said ratchet wheels, said ratchet wheels being reversely arranged.

1,584,141. GAME OF FOOTBALL. WILLIAM R. PURNELL, Newport, R. I. Filed July 20, 1925. Serial No. 44,869. 4 Claims. (Cl. 275—94.)



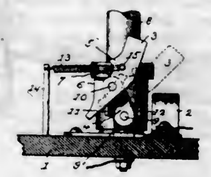
1. In a game apparatus of the character described, the combination of a miniature football field having representative line markings and goals; a control device provided with legends indicating a plurality of plays that can be made; a representative football; and an angular plotting device co-acting with said line markings and said football by which the ball may be plotted in various angular directions at various distances in accordances with the above plays.

1,584,142. UNDERDRAIN FOR TRICKLING FILTERS. WILLIAM P. RAWN, Washington, Iowa, assignor of one-third to E. G. Nelson and one-third to A. J. Larson, What Cheer, Iowa. Filed Nov. 10, 1924. Serial No. 748,879. 15 Claims. (Cl. 210—7.)



1. An underdrain construction comprising a floor, a series of troughs placed end to end upon said floor to form a drain channel, and a series of flat covers disposed relatively flush with and placed to cover said channel, said covers being apertured to permit liquids to drain therethrough into said troughs and to admit air from said troughs to the material supported above said covers, the area at the sides of said channel being filled to the height of the top of said covers with substantially non-permeable material.

1,584,143. ELECTRICAL SWITCH. THOMAS RHODUS, Chicago, Ill. Filed Apr. 30, 1924. Serial No. 709,967. 8 Claims. (Cl. 200—67.)

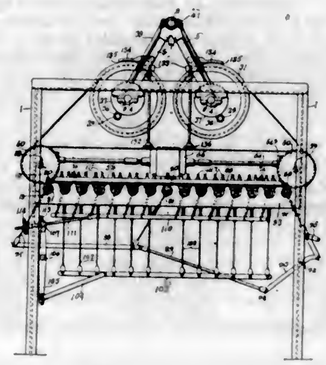


1. In an electric switch, the combination of a support, a stationary contact member secured to said support, a movable contact member pivoted on said support in operative relation to said stationary contact member by a rocker link pivoted at one end to the movable member and at the other end to said support, and operating means imparting movement to said rocker link by direct engagement with said movable member.

1,584,144. FURFURAL-ACETONE RESINS AND METHOD OF PRODUCING THE SAME. LINWOOD T. RICHARDSON, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1925. Serial No. 49,486. 17 Claims. (Cl. 260—2.)

1. The process of producing a resin which comprises causing a mixture of furfural and acetone to react successively under alkaline and acid conditions.

1,584,145. MACHINE FOR MAKING STEEL WOOL. WILLIAM H. ROBBINS, Springfield, Ohio, assignor to The Williams Company, London, Ohio, a Corporation of Ohio. Filed Oct. 14, 1924. Serial No. 743,630. 57 Claims. (Cl. 29—4.5.)



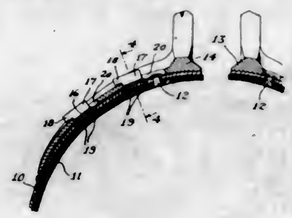
57. In a machine for manufacturing steel wool, a table, cutting tools arranged adjacent thereto, means to guide a plurality of parallel strands formed from a single wire in engagement with said tools over said table, and means to drive said guiding means so that each loop of wire will be independently driven by said guiding means whereby the driving strains will be applied to each loop independently against the resistance of the tools engaging the strand of wire of that loop.

1,584,146. WAVE MOTOR. NATHANIEL ROE, Patchogue, N. Y. Filed Dec. 30, 1922. Serial No. 609,804. 13 Claims. (Cl. 253—12.)

1. An apparatus of the character described comprising a driving shaft, a driven shaft, means connecting said shafts, means operatively associated with said driving shaft for actuating the same, a horizontally-reciprocable floating member, means connecting the opposite ends of said floating member with the said driving shaft actuating means whereby to operate said actuating means by the movements of said floating member, and means for shifting the field of travel of said floating member, substantially as specified.

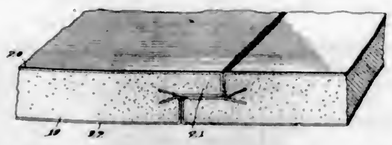
1,584,147. TRANSMISSION BAND. EUGENE F. SCHOELL, New Britain, Conn. Filed June 5, 1925. Serial No. 35,032. 6 Claims. (Cl. 188—249.)

3. A transmission band comprising in combination, a circular resilient band, a lug permanently attached at one end, a lug detachably attached at the opposite end, and a metal fastener for said detachable lug having its side portions bent upward and formed with rearward extending extensions adapted to engage and retain the lug,



and having downward extending projections at its forward and rearward ends adapted to engage under said band to retain said fastener in postion upon the band.

1,584,148. PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed Nov. 14, 1921. Serial No. 514,914. 4 Claims. (Cl. 154—45.9.)



1. A plaster board comprising a body of plaster composition having rabbetted edges, paper attached to and covering both sides of the main body and one side of each of the rabbeted edges, and paper covering the opposite sides of each of said rabbeted edges and embedded in the body of plaster composition, substantially as described.

1,584,149. METHOD OF MANUFACTURING METAL POWDER. GENZO SHIMADZU, Kyoto, Japan. Filed Jan. 30, 1922. Serial No. 532,920. 2 Claims. (Cl. 83—9.)

1. A method of forming a finely divided chemically reactive lead powder of such fineness and activity as to be readily changed chemically on contact with air, which comprises introducing relatively large masses of lead into a rotatable vessel, rotating said vessel at a relatively low speed and forming said lead powder by attrition of said lead masses resulting from the rubbing of said masses against each other.

1,584,150. PROCESS OF MANUFACTURING POWDER OF LEAD SUBOXIDE INTERMINGLED WITH POWDER OF METALLIC LEAD. GENZO SHIMADZU, Kyoto, Japan. Filed July 14, 1923. Serial No. 651,621. 17 Claims. (Cl. 23—146.)

1. A process of manufacturing a fine powder of lead suboxide intermingled with powder of metallic lead, comprising in putting pieces of metallic lead in a rotatable vessel in a dry state, introducing into the said vessel currents of an oxidising gas to oxidize the surface of the lead while rotating the said vessel, and abrading off the oxide formed on the surface.

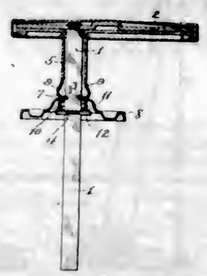
1,584,151. PROCESS OF MANUFACTURING LEAD OXIDE. GENZO SHIMADZU, Kamikyo Ku, Kyoto, Japan. Filed Apr. 18, 1924. Serial No. 707,509. 5 Claims. (Cl. 23—146.)

1. The process of forming finely divided oxygenated lead compounds which comprises treating a finely divided chemically reactive powder comprising a major portion of lead suboxide with an oxidising substance.

1,584,152. PAINT. GENZO SHIMADZU, Kamikyo Ku, Kyoto, Japan. Filed Apr. 18, 1924. Serial No. 707,510. 2 Claims. (Cl. 134—39.)

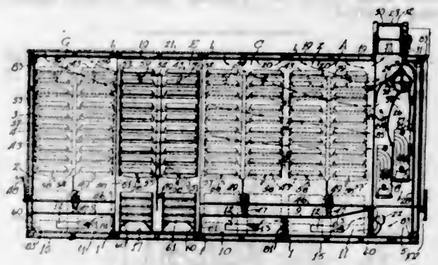
1. A paint comprising a vehicle and a finely divided chemically reactive powder containing a major proportion of lead suboxide and a minor proportion of metallic lead, said powder resulting from the impingement of a current of air on relatively large masses of lead in a dry state, subjecting the lead to surface attrition, controlling the temperature to cause the formation of lead suboxide in the said proportions, and carrying of the powder resulting from the above by the said current of air.

1,584,153. DOOR HANDLE. RAYMOND H. SULLIVAN, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn. Filed Sept. 25, 1924. Serial No. 739,866. 3 Claims. (Cl. 292—350.)



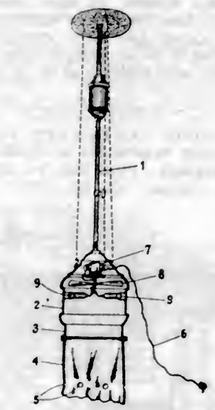
2. The combination with a spindle, and a knob thereon, of a post fitted at its outer end to the knob and having its inner end positively connected with the spindle, an escutcheon, and yieldable means holding the escutcheon against the inner end of the post.

1,584,154. INCUBATOR. HENRY H. TAMPKE, Davenport, Iowa. Filed July 3, 1922. Serial No. 572,508. 7 Claims. (Cl. 119—35.)



1. An incubator comprising a plurality of sections removably secured together, each section consisting of two egg receiving compartments spaced from each other, the space between the compartments forming a gallery when said sections are assembled, an air-duct disposed in said gallery, means for placing one or more of said compartments in communication with said duct, heating means disposed exteriorly of said sections and being in communication with said duct, passageways communicating with said gallery and said compartments, and a fan for forcing the air through said duct, whereby the air will circulate through said duct, compartments, passageways, gallery, and said heating means, and thence back to the duct.

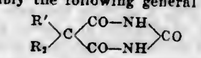
1,584,155. HOT-AIR BATH. EDMUND TROST, Berlin, Germany. Filed Dec. 27, 1924. Serial No. 758,445. 2 Claims. (Cl. 34—26.)



1. In a device of the character described, a substantially hood-shaped casing closed at one end, electric heating means within the casing and air-circulating means associated therewith, an extension of flexible material at the open end of said casing adapted to envelop the part to be treated, an apertured portion in the wall of said extension and controlling means for the heating and air-circulating means.

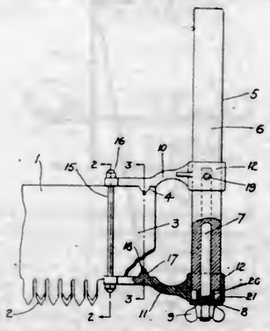
1,584,156. BARBITURIC ACID DERIVATIVE. WERNER UHSUM, LUDWIG SCHÜTZ, and LUDWIG TAUB, Elberfeld, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 17, 1924. Serial No. 756,547. 2 Claims. (Cl. 260—33.)

1. The herein described barbituric acid derivatives having most probably the following general formula:



wherein R' stands for monochlorocrotyl and R_2 stands for monochlorocrotyl or another unsaturated or saturated substituent said derivatives being generally whitish substances, forming salts with alkali metals, and being valuable hypnotics, substantially as described.

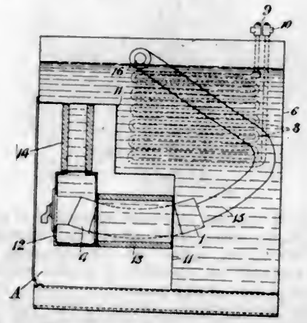
1,584,157. SAW HANDLE. ABRAHAM WHARTON WATSON, Victoria, British Columbia, Canada. Filed Mar. 9, 1925. Serial No. 14,800. 4 Claims. (Cl. 145—110.)



2. In a device of the character described, the combination of a grip, a threaded screw at the lower end of the grip, a lower clamp member having a sleeve por-

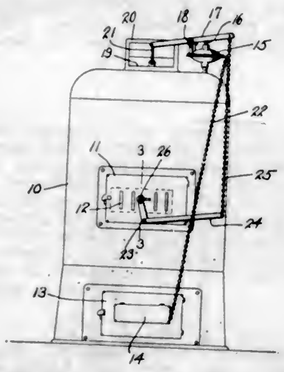
tion encircling the grip and slidable thereon, a follower receiving the screw therethrough and bearing against the lower end of said sleeve portion, nut means engaging the screw below said follower, an upper clamp member projecting laterally from the grip in opposing relation to the lower clamp member, and means carried by said clamp members adapted to lie at opposite sides of a saw blade secured between said members so as to prevent twisting of the blade.

1,584,158. LIQUID CONTROLLER FOR TWO AND THREE PHASE SLIP-RING MOTORS. ALLEN WEST, Brighton, England. Filed Feb. 14, 1924. Serial No. 692,791. 3 Claims. (Cl. 201—57.)



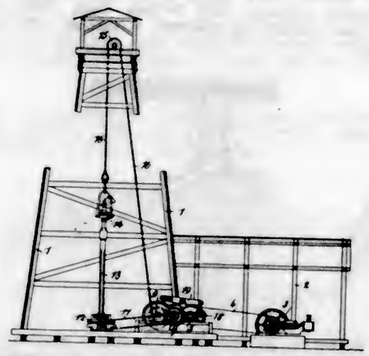
3. A liquid electric controller comprising a tank adapted to contain a resistance liquid, a compartment within said tank the interior of which compartment is isolated from said resistance liquid, a casing located within said compartment, a fixed electrode located within said casing, a horizontal inlet passage and a vertical outlet passage both of which passages extend from said casing to the walls of said compartment and provide a communication between the interiors of said casing and said tank through which passages the resistance liquid is caused to flow, a swinging arm, a movable electrode mounted upon the free extremity of said arm and means for moving said arm to cause said movable electrode to move in a curved path through said horizontal inlet passage towards and away from the fixed electrode within the casing.

1,584,159. DRAFT CONTROL. NELSON E. WHIPPLE, Windsor, N. Y. Filed Nov. 4, 1925. Serial No. 66,836. 1 Claim. (Cl. 236—16.)



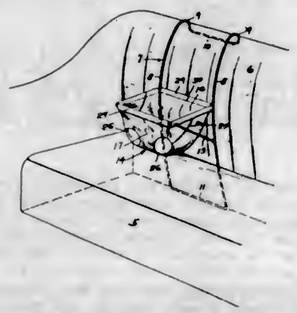
In a heater having a damper in the fuel feed door, a damper in the ash pit door, a draft check in the smoke flue, a heat controlled operating member and a pivotally mounted lever associated with and operated by the operating member and connected with the draft check, means connecting the lever and ash pit door damper to open the latter when the draft check is closed and vice versa, a substantially L-shaped gravity operated lever pivotally mounted upon the feed door, means connecting one end of said lever to the feed door damper and means connecting the opposite end of said L-shaped lever with the heat controlled lever to close the feed door damper when the draft check is closed and open said feed door damper when the draft check is open.

1,584,160. PIT SINKING. WILHELM ZIMMERMANN, Erkelenz, Germany. Filed May 12, 1924. Serial No. 712,784. 1 Claim. (Cl. 255—3.)



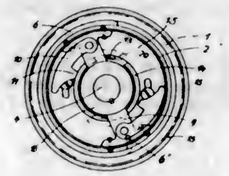
A drilling rig of the class described comprising in combination, a prime mover, a countershaft driven therefrom, a crankshaft driven by said countershaft, a third shaft driven by said countershaft and having secured thereto a winding drum, a table for driving a rotary drill, said table being also driven by said countershaft, a walking beam, means connecting one end of said walking-beam to said crankshaft for rocking the walking-beam, means on said countershaft for disconnecting said crank shaft, and separate means on said countershaft for disconnecting said table, whereby said winding drum may be rotated while either the walking-beam or the table are being operated.

1,584,161. CARRIER FOR INFANTS OR YOUNG CHILDREN. CLAUD C. BEAR, Denison, Tex. Filed May 12, 1925. Serial No. 29,765. 3 Claims. (Cl. 155—10.)



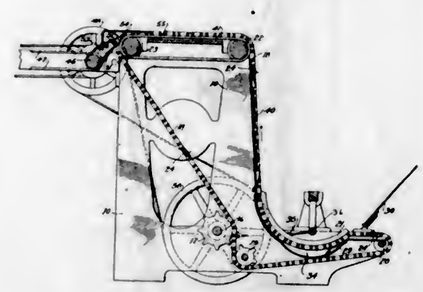
1. A carrier for infants or young children, comprising a continuous substantially rectangular resilient frame, said frame embodying sides which are curved longitudinally to conform to the curvature of the back cushion of an automobile and bent at their upper ends into down turned hooks to engage over the top of said back cushion, and ends which connect the hooks and the bottoms of the sides; the upper end serving to engage the rear of the back cushion and the lower end serving to engage the seat cushion support; a seat frame carried by the first named frame; and a seat carried by the seat frame.

1,584,162. IMPULSE STARTER FOR IGNITION APPARATUS. LOUIS BEEH, Plainfield, N. J., assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Aug. 5, 1924. Serial No. 730,297. 7 Claims. (Cl. 123—149.)



1. An impulse starter for magnetos, comprising, in combination, a driven member mounted on the rotor shaft of the magneto, a driving member and a spring connecting said members, a stop positioned adjacent said driven member, a detent pivotally and eccentrically mounted on said driven member and adapted for movement into position for engagement with said stop when said driven member is at rest or slowly rotating, and centrifugally maintained in inoperative position when said driven member is rotated at relatively high speed, and adjustable restraining means adapted by adjustment to positively restrain said detent from movement to position for engagement with said stop throughout the whole or any desired arc of each cycle of rotary movement of said driven member.

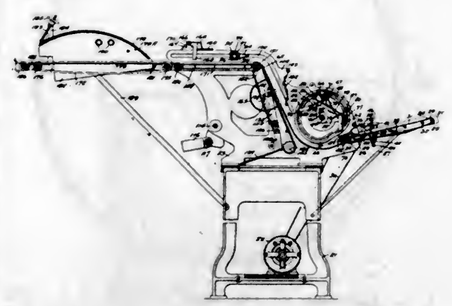
1,584,163. AUTOMATIC EMBOSSING MACHINE. RICHARD F. BERNDT and PHILIP COLLISCHONN, Jr., San Francisco, Calif., assignors to Automatic Printing Devices Company, San Francisco, Calif., a Corporation of California. Filed Dec. 1, 1920, Serial No. 427,548. Renewed July 21, 1924. 17 Claims. (Cl. 91—51.)



1. In a device for producing process embossing and engraving comprising means to grip a printed sheet, means to deposit powder thereon, said gripping means being movable to bring the sheet into a substantially vertical plane, and means to vibrate the gripper whereby to shake surplus powder off the sheet.

17. In a machine of the class described, a powdering mechanism, comprising a scoop movable to pick up powder and to dump it, means for revolving the scoop so that it performs these functions in succession during a revolution and means for carrying a sheet to be treated along with the scoop.

1,584,164. MACHINE FOR PRODUCING RAISED PRINTING. RICHARD F. BERNDT, San Francisco, Calif., assignor to Automatic Printing Devices Company, San Francisco, Calif., a Corporation of California. Filed May 19, 1924. Serial No. 714,361. 26 Claims. (Cl. 91—59.)



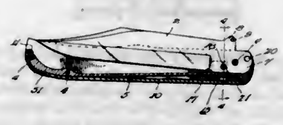
1. In a machine of the class described, means for applying a powder to the matter to be treated, and gripping means for carrying the matter away from the powdering mechanism and engaging the matter only on completion of the powdering operation.

4. In a machine of the class described, a powdering mechanism, comprising a scoop movable to pick up powder and to dump it, a mechanism for driving the scoop, clamping means for a sheet to be powdered, movable as the scoop is operated, and means for releasing said clamping means as soon as the powdering operation is completed.

9. In a machine of the class described, a mechanism for dumping powder on a sheet to be treated, clamping means for the sheet, said mechanism shielding the clamping means from the powder.

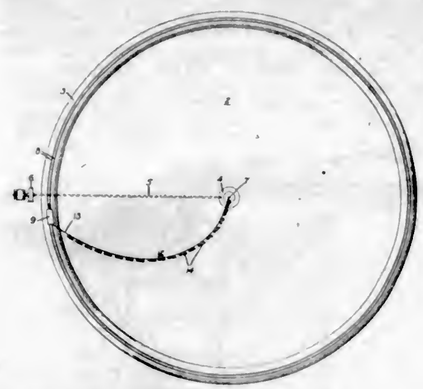
18. In a machine of the class described, means for powdering a sheet, and means for agitating the sheet so as to free it from surplus powder, comprising a rotatable element having beaters pivoted thereon and movable outwardly from the axis of rotation under the influence of centrifugal force.

1,584,165. KNIFE. ROBERT E. BROWN, Olean, N. Y. Filed June 10, 1925. Serial No. 36,204. 8 Claims. (Cl. 30—10.)



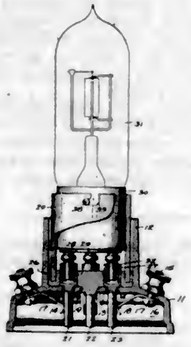
1. A knife comprising a handle provided with a longitudinally extending pocket, a blade carried by said handle and movable from a closed position with its cutting edge within the pocket to an extended position for use, and latch means adapted to releasably secure said blade in an adjusted position, said latch being carried by said handle and including an actuating element extending in overlapping relation to a side wall of the handle from the back of the handle towards the front thereof and movable towards and away from the side wall.

1,584,166. APPARATUS FOR SEPARATING SOLIDS FROM LIQUIDS. GEORGE B. BURNHAM, Reno, Nev., assignor to Burnham Chemical Company, Reno, Nev., a Corporation of Nevada. Filed Sept. 24, 1924. Serial No. 739,743. 22 Claims. (Cl. 23—273.)



5. An apparatus for separating solids from a liquid comprising a container for receiving the liquid mixture, a floating agitator in said container, and means for moving said agitator at a greater velocity at one end than at the other end to locally agitate said liquid.

1,584,167. TUBE ADAPTER. RUSSELL W. CAMFIELD, Berkeley, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed Mar. 2, 1923. Serial No. 622,282. 3 Claims. (Cl. 173—344.)



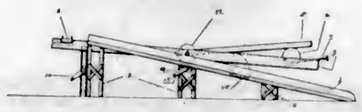
1. In an adapter for a thermionic tube, an insulating base, a contact post having an aperture in one end held by said base so that the post projects therethrough, said aperture having an enlargement near the bottom, forming a shoulder, a coiled spring disposed in the aperture and having a portion of its turns of larger diameter than the remainder for anchoring the spring on the shoulder at one end, and a contact stud attached to the opposite end of the spring.

1,584,168. METHOD OF MAKING HARNESS LOOPS. MARCUS RAY COWELL, Winnipeg, Canada. Filed Mar. 10, 1924. Serial No. 698,131. 2 Claims. (Cl. 113—116.)

1. A method of making harness loops which consists in providing plates having longitudinal recesses in one edge folding one plate to form a loop and bring its ends into abutting relation, folding the other plate in the same manner but in the opposite direction, placing said loops

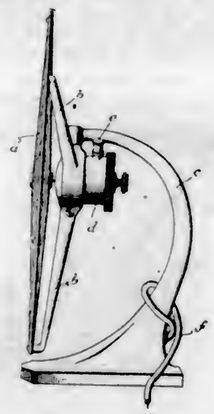
one upon the other, inserting a tongue between the loops and securing the loops and tongue together and finally bending the tongue to form a ring-engaging hook.

1,584,169. AUTOMOBILE SERVICE JACK. WALTER P. EVANS and CLAUDE E. HORTON, Los Angeles, Calif. Filed Jan. 26, 1925. Serial No. 4,829. 2 Claims. (Cl. 214—1.)



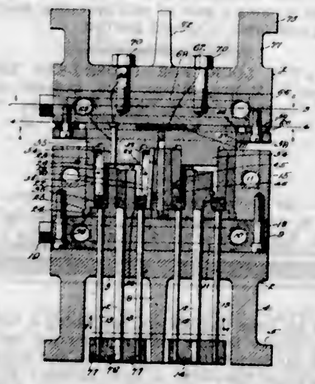
2. In an automobile service jack a framework, tilting members disposed thereon, a tilting rack disposed in said frame-work, a screw drive provided with a crank and a universal joint for operating said tilting members, swing bearings for said shaft, a hoisting cam for operating said tilting rack, a drive disposed in said tilting rack and a drum disposed on said shaft.

1,584,170. LOUD-SPEAKING ELECTROMAGNETIC RECEIVER. LÉON GAUMONT, Paris, France, assignor to Societe des Etablissements Gaumont, Paris, France. Filed Jan. 23, 1924. Serial No. 688,080. 3 Claims. (Cl. 179—115.)



1. A device of the class described comprising in combination with a pleated diaphragm and an electromagnetic receiver connected thereto, a base, an upwardly curving arm integrally secured to said base, a spider having a central annular portion and a plurality of radial arms secured to the upper end of the supporting arm, and a vertically disposed annular member secured to the extremities of said radial arms.

1,584,171. APPARATUS FOR MOLDING LOCK SLOTS OF BAYONET LOCKS. ROY W. HERRICK, Jackson, Mich. Filed July 15, 1924. Serial No. 726,187. 6 Claims. (Cl. 18—17.)



5. A molding apparatus of the class described including a lower die comprising a wall member composed of sections and provided with pins arranged in openings of the sections and detachably connecting the same, said sections being recessed at adjacent edges to form a key seat, an outer shell receiving the wall member and provided with a key engaging the said key seat, a core extending into the wall member at the bottom thereof, a bottom member surrounding the core, a removable die member mounted in the core and projecting laterally from the same for molding on the interior of the material and a plunger movable into and out of the die for compressing the material therein.

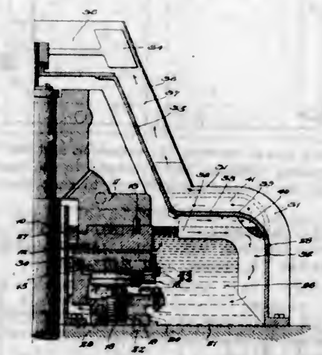
1,584,172. APPARATUS FOR OPERATING AIRSHIP-SHED DOORS. LOUIS GUSTAV FISCHER, Camp Hill, and MEIER GEORGE HILPERT, Harrisburg, Pa., assignors, by mesne assignments, to Bethlehem Steel Company, a Corporation of Delaware. Filed June 9, 1920. Serial No. 387,777. 5 Claims. (Cl. 268—8.)

1. In mechanism of the class described, the combination with a door having a rack, of means for operating the door comprising a plurality of pinions in engagement with said rack, a source of power, and power transmission mechanism between the source of power and the pinions including means for equalizing the forces exerted by the pinions on the rack.

1,584,173. ANTISEPTIC. ALBERT C. HOLZAPFEL, New York, N. Y. Filed Dec. 5, 1925. Serial No. 73,484. 3 Claims. (Cl. 167—3.)

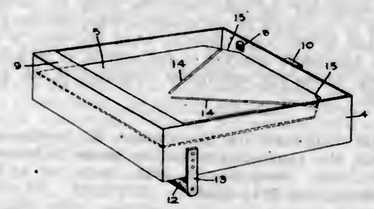
1. An antiseptic of the character described comprising a solution of a fluoride in oleic acid.

1,584,174. AIR-COOLED THRUST BEARING. HARRY A. S. HOWARTH, Philadelphia, Pa., assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 16, 1922. Serial No. 544,223. 44 Claims. (Cl. 308—160.)



1. In a thrust bearing, the combination with relatively-rotatable thrust-bearing members, of a housing therefor providing a reservoir for the lubricating oil in which a circulation of oil is maintained, said housing having neat conducting ribs in heat transferring relation with said housing and projecting into heat-interchanging relation with the circulating oil in said reservoir.

1,584,175. REFRIGERATOR DRIP PAN. GEORGE FALCONER IRONS, Regina, Saskatchewan, Canada. Filed Apr. 19, 1924. Serial No. 707,647. 2 Claims. (Cl. 220—1.)

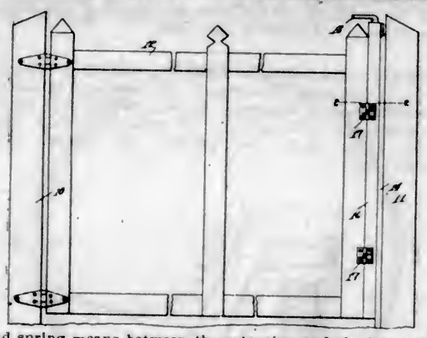


1. A refrigerator drip pan of substantially rectangular shape having an open top, a horizontal partition in the pan positioned intermediately of the height thereof and having the corners of one end cut away diagonally to constitute orifices between the partition and the walls of the pan, said partition dividing the pan into an upper chamber and a lower water receiving chamber, and means for normally supporting the pan so that the partition tilts downwardly towards the orifices.

1,584,176. GATE LATCH. BENEDICT O. JEMTEGAARD, Washougal, Wash. Filed July 8, 1924. Serial No. 724,122. 2 Claims. (Cl. 292—228.)

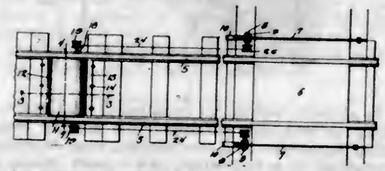
1. The combination with the vertical bar at the free end of a gate, and the adjacent post, of a clamping means engaged with the said bar, said clamping means having a bifurcated extension, a recessed bar mounted on the work-

ing face of said post adjacent one edge thereof, and a bar extending vertically of the free end of the gate and having lugs pivotally mounted in the bifurcated extension,



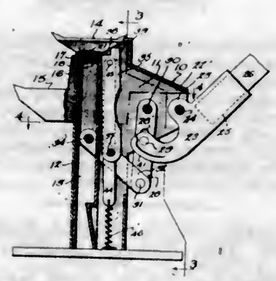
and spring means between the extension and the bar, said bar extending obtusely and arranged to be engaged and moved by the recessed member and to snap thereinto.

1,584,177. RAILROAD-CROSSING GATE. BERNARD JOHNSON, Boydell, Ark. Filed Jan. 18, 1926. Serial No. 82,145. 5 Claims. (Cl. 246—293.)



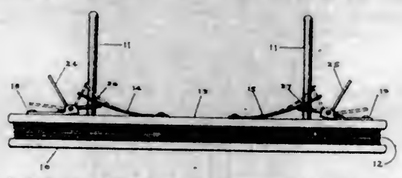
1. An automatic railroad crossing gate comprising gate members, means to normally yieldingly move said gate members to open position, and car wheel actuated means for positively causing the gates to close against the action of said yieldable means, said gate closing means embodying a yieldingly raised depressible ramp operatively connected to the gate members, the operative connection between the ramp and the gate members embodying a shaft having drums fixed thereon, means operatively connecting the shaft with the ramp for causing rotation of the shaft in one direction when the ramp is raised and in the other direction when the ramp is depressed, and cables attached to and adapted to be wound upon the drums and operatively connected to the gate members.

1,584,178. LIFTING JACK. NORMAN W. LITTLEJOHN, Neosho, Mo., assignor of one-half to Samuel A. Kenoyer, Miami, Okla. Filed May 28, 1925. Serial No. 33,523. 7 Claims. (Cl. 254—114.)



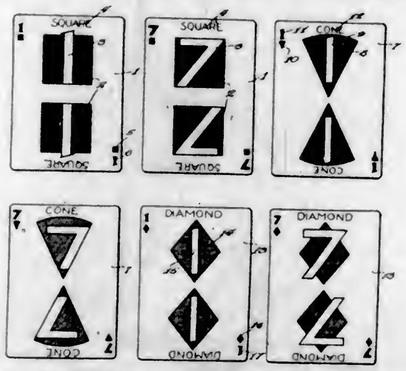
1. A lifting jack comprising a standard, a lift bar slidably mounted in said standard, operating members for raising said lift bar, a latch normally arranged adjacent said lift bar and tending to move to operative position to hold said lift bar in raised position, said latch being movable away from said lift bar to inoperative position, said latch being controlled by said operating members for moving it from operative position to inoperative position, and means forming a part of said operating members for returning said latch to normal position.

1,584,179. LOCK FOR LOOSE-LEAF BINDERS. CHARLES F. MCBEE, Athens, Ohio, assignor to McBee Binder Company, Athens, Ohio. Filed Aug. 13, 1921. Serial No. 492,083. 1 Claim. (Cl. 129—12.)



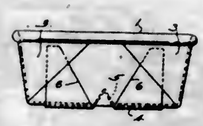
A lock for loose leaf binders, comprising a cover perforated to receive binding posts; perforated leaf springs overlying the perforations in the cover, and being slightly out of register therewith; a lever pivotally mounted to the cover between each of the perforations in the cover and the respective outer edge surfaces of the cover, said levers being substantially of bell-crank formation, their inner ends underlying their respective leaf springs, each of said levers being recessed in their inner ends, said recesses and their respective perforations in the cover being out of register so that the levers slightly overlie the perforations in the cover, the construction and mounting of the levers being such that when the outer ends of the levers are pressed downwardly to their limit of movement they will remain in that position until released, holding both themselves and their respective leaf springs out of engagement with their respective binding posts, but when released the leaf springs will force both themselves and the levers into engagement with their respective posts.

1,584,180. GAME CARD. THOMAS F. MARTIN, Eldon, Mo. Filed Sept. 30, 1925. Serial No. 59,712. 3 Claims. (Cl. 273—152.)



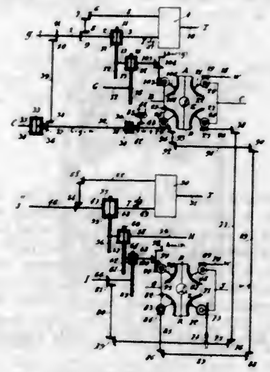
1. A pack of playing cards comprising seven suits of seven cards each, and an odd card having the value of a trump card, each card of each suit bearing two symbol representations located above and below the middle of the face of the card, the symbol representations of the cards of each suit being represented in a distinguishing color, the color of the symbol representations of all of the suits being different, each card bearing upon each of its symbol representations an ordinal symmetrically arranged with relation thereto and indicating the value of the card.

1,584,181. BAKING PAN. MILIVOJ MARTINOV, Salt Lake City, Utah. Filed Nov. 11, 1925. Serial No. 68,326. 4 Claims. (Cl. 53—6.)



1. A baking pan comprising sides, ends and a bottom, a longitudinal slot in the bottom, a strap of inverted V-shaped cross section to fit in said slot and means for holding said inverted V in said slot.

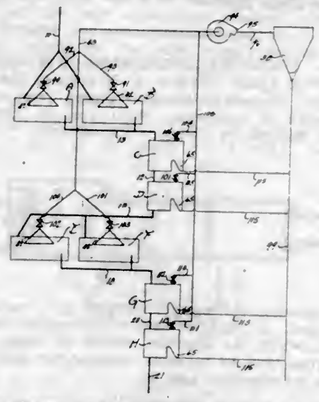
1,584,182. CORRECTOR FOR FIRE-CONTROL SYSTEMS. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a French Company. Filed Oct. 21, 1924. Serial No. 745,035. 5 Claims. (Cl. 235—615.)



1. A corrector of the class described, comprising a Wheatstone bridge, a voltmeter therefor, movable contacts for the resistances of said bridge, means for moving one of said contacts as a function of the speed of the wind, means for moving another of said contacts as a function of the final inclination of the gun, means for moving another of said contacts as a function of the azimuth of the line of sight minus the azimuth of the direction of the wind ($\omega - \psi$), manual means for moving the contact of the fourth resistance to maintain the volt-meter at zero reading, a motion-transmitting member, and means operatively connected to said member and said manually operable means for rotating said member in accordance with the bearing angle to be given the gun.

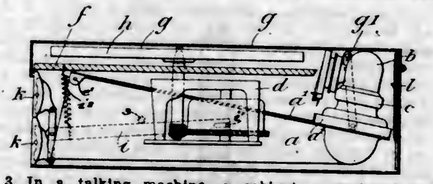
1,584,183. APPARATUS FOR THE MILLING OF RICE. GEORGE M. MILES, Flowerfield, Mich., assignor of one-half to Standard Rice Company, Inc., Houston, Tex. Filed Apr. 16, 1924. Serial No. 706,938. 10 Claims. (Cl. 83—30.)

1. In an apparatus for the milling of rice the combination of a huller, an aspirator, means connecting the huller with the aspirator, suction means connected with the huller for removal of bran therefrom, and adjustable section means for the aspirator for removing bran from



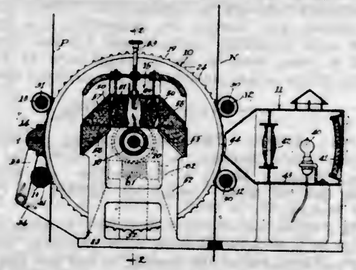
the rice therein, the suction means of the aspirator being independently variable with respect to the suction means of the huller.

1,584,184. TALKING MACHINE AND THE LIKE. FRANK ALLEN MITCHELL, London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Apr. 28, 1925. Serial No. 26,481. 7 Claims. (Cl. 274—16.)



3. In a talking machine, a cabinet, a motor board within the cabinet, a tapered horn forming in itself a complete unit free from the motor board and disposed within the cabinet and beneath the motor board, a tone arm communicating with the small end of said horn means mounted by the cabinet and disposed in front of the large open end of said horn for controlling the volume of sound emitted therefrom, means pivotally mounting the forward end of said horn whereby the horn and the tone arm may be lowered within the cabinet and link means connecting the horn and volume control means whereby raising and lowering of the horn will open and close said volume control means.

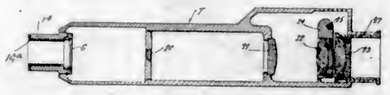
1,584,185. PRINTER. GEORGE A. MITCHELL, Los Angeles, Calif., assignor to Mitchell Camera Corporation, a Corporation of California. Filed Sept. 5, 1922. Serial No. 586,329. 23 Claims. (Cl. 88—24.)



1. In a printer of the character described, a single moving member adapted to support films in definite

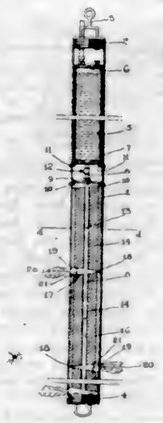
spaced relation, means for illuminating one film, and a lens between the films to pass light from the illuminated film to the other film.

1,584,186. FOCUSING INSTRUMENT FOR CAMERAS AND THE LIKE. GEORGE A. MITCHELL, Los Angeles, Calif., assignor to Mitchell Camera Corporation, a Corporation of California. Filed Apr. 16, 1923. Serial No. 632,242. 7 Claims. (Cl. 95—44.)



1. A focusing instrument, comprising a rectangular ground glass, an objective lens, a rectangular collective lens onto which the objective throws an image of the ground glass, and an eye-piece arranged for viewing the image on the collective lens.

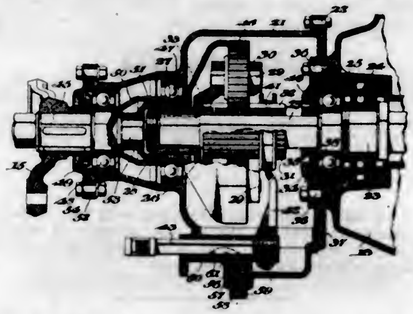
1,584,187. OIL-WELL-CLEANING APPARATUS. FRANK A. MONROE, Jamestown, N. Y., assignor, by mesne assignments, to The Increase Engineering System, a Common Law Trust Estate. Filed July 1, 1924. Serial No. 723,496. 3 Claims. (Cl. 166—17.)



3. A device of the character described including a heat retaining billet comprising a metallic body having its periphery serrated to increase the heating surface area thereof and having its respective ends thereof formed with diagonally inclined and tapered faces arranged to form between the abutting ends of like or adjacent billets steam chambers for the purposes specified.

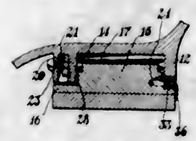
1,584,188. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 30, 1920. Serial No. 420,687. 6 Claims. (Cl. 74—73.)

1. In a motor vehicle, in combination, a casing having bearings at both ends, a drive shaft extending into the casing and mounted in the bearing at one end thereof, a driven shaft mounted in the bearing at the other end of said casing, a spider secured to the drive shaft and journaled within the driven shaft, a planetary pinion mounted on said spider, a ring gear mounted on said



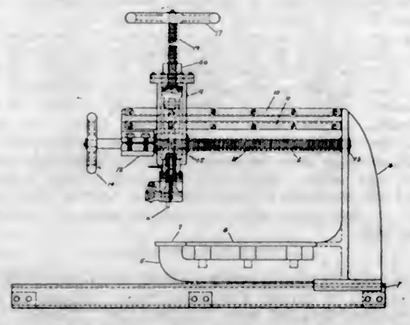
driven shaft and in mesh with said pinion, a sliding gear mounted on said drive shaft also in mesh with said pinion, and means to lock said sliding gear against rotation.

1,584,189. RESILIENT TREAD MEMBER FOR BOOTS AND SHOES. VENDEL MRÁV, Trenton, N. J. Filed Nov. 6, 1924. Serial No. 748,019. Renewed Mar. 18, 1926. 4 Claims. (Cl. 36—38.)



1. In a shoe, a fixed top heel part having a recess in its underside, a movable lower heel element engaged at its upper side in said recess, a spring in said recess forming a cushion between the said top heel part and lower heel element, a bar extending transversely of the shoe in a cavity in said top heel part, said bar being adjustable transversely of itself and being formed with a pair of apertures, and pins fixed in the lower heel elements and having laterally projected top ends engaging in said apertures.

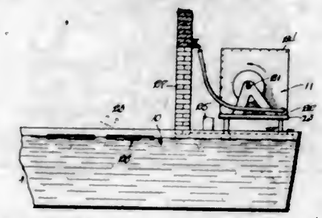
1,584,190. GOLD-LETTER PRESS. CHARLES I. NIELSEN, Philadelphia, Pa. Filed May 27, 1925. Serial No. 33,080. 3 Claims. (Cl. 41—7.)



1. A gold letter press comprising a bed, a standard slidable on the bed and provided with a base and an arm arranged one above the other in spaced relation, a table on the base, a head slidably adjusted on the arm, and a

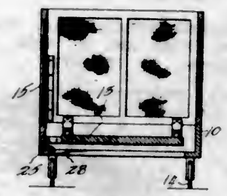
plunger mounted through the head and movable toward and away from the table and provided with a heating unit and with a type clamp.

1,584,191. METHOD AND APPARATUS FOR REFRIGERATING COMESTIBLES. PAUL W. PETERSEN, Bay City, Mich. Filed Apr. 18, 1923. Serial No. 631,932. 14 Claims. (Cl. 62—170.)



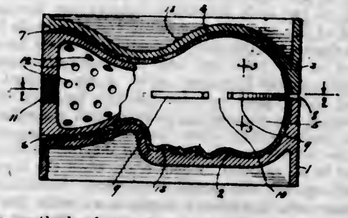
1. The method of removing cakes or refrigerated comestibles of substantial weight from a container which comprises raising the temperature of the container to assist the releasing of the refrigerated comestibles from the walls thereof, but without excessive thawing, and tilting and abruptly jolting the container over a body of water whereby the comestibles are permitted to fall into the water to be received thereby without mechanical injury to the comestibles.

1,584,192. SIDE PANEL FOR CRIBS. FRANK S. RECE, Dallas, Tex. Filed Apr. 7, 1924. Serial No. 704,816. 8 Claims. (Cl. 5—100.)



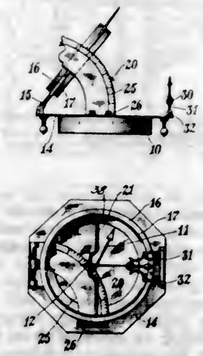
1. A hook for a slide-under panel for a crib comprising an eye pivotally mounted upon the panel, and an outwardly bent bill slidingly mounted upon a support and disposed to interlock with a keeper and pivot thereon.

1,584,193. METHOD OF MOLDING OR PRESSING AN ARTICLE. ALEXANDER REIN and RUDOLF LIEFKE, New York, N. Y., assignors to Rudolf Liefke, Robert Adelmann, and Robert E. Leyendecker, Copartners, doing business as R. Liefke & Company, New York, N. Y. Filed Feb. 18, 1925. Serial No. 9,917. 7 Claims. (Cl. 18—59.)



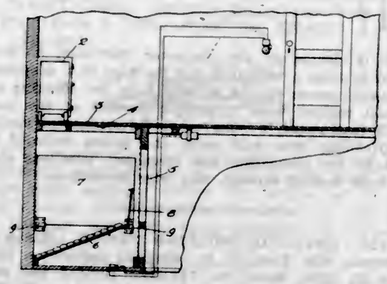
1. The method of forming an article, which method consists in applying the material to be formed to the face of a plurality of mold sections, applying pressure to the material to conform it to the mold sections and to extrude some of the material to provide offsets or projections thereon, thereafter so disposing the mold sections and their contained material relative to each other that the said offsets are brought into contact under pressure and then hardening to thereby bind the material carried by one mold section to the material carried by the adjacent mold section.

1,584,194. POCKET SUNDIAL. JOSEPH A. SAUTTER, West Corona, N. Y. Filed Oct. 8, 1924. Serial No. 742,278. 5 Claims. (Cl. 33—61.)



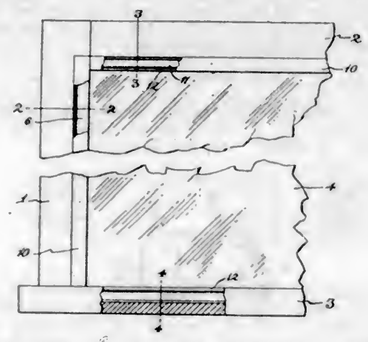
5. A pocket sundial comprising a compass, an hour ring pivotally attached at one side to the side of the compass, a rod extending across said ring and being journaled in the sides thereof to permit of both rotary and sliding movement of the rod, a finger fixed to said rod, said rod having a projection from one end thereof, a calibrated wing hinged to the side of the compass and formed with a longitudinal slot having serrations in one side wall thereof, said serrations being adapted to selectively receive the said projection and a spring bearing on said rod to retain it in position with the said projection engaged with one of the said serrations, said rod being formed with an intermediate cranked portion to which the said finger is fixed.

1,584,195. ENTRAPPING DEVICE FOR BANDITS OR ROBBERS. HAROLD E. SCHMAUS, Mount Carmel, Pa. Filed Oct. 12, 1925. Serial No. 62,107. 2 Claims. (Cl. 43—59.)



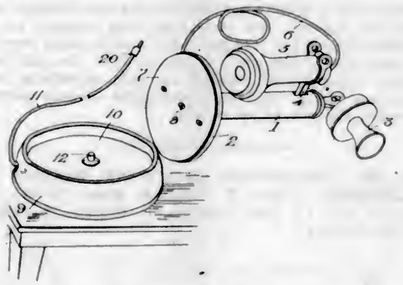
1. In an entrapping device, the combination with a tiltable section of a floor in front of the door of a safe or vault, a confining cage beneath said tiltable section, a movable floor in said cage, a hinged trap door connected to said movable floor, a rope and weight secured to said trap door.

1,584,196. WINDOW. WILLIAM SCOTT SHIELDS, Yardley, Pa. Filed Oct. 5, 1923. Serial No. 666,736. 2 Claims. (Cl. 296—44.5.)



2. As an article of manufacture for use in guiding the glass of automobile windows, a channel shaped member comprising a bottom and resilient side walls, said side walls converging at their free edges and being spaced apart at said edges a distance less than the thickness of the glass to be guided, the bottom being formed by an extension from one side wall and having a portion projecting beyond the other side wall, the said other side wall having an extension lying upon the projecting portion of the bottom.

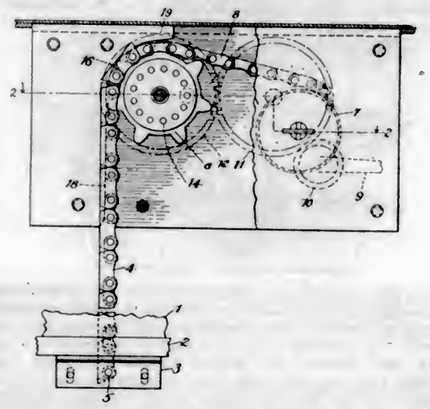
1,584,197. AERIAL ATTACHMENT DEVICE FOR RADIOFREQUENCY SIGNAL SYSTEMS. GEORGE OWEN SQUIER, Dryden, Mich. Filed June 24, 1922. Serial No. 570,701. 14 Claims. (Cl. 179—2.)



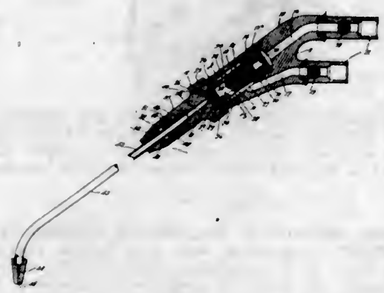
1. In a device of the character described, a body adapted to form a receptacle for the base of a telephone instrument, means carried by said body for effecting an electrical contact with a metallic portion of the base of said instrument, a wire connected with said means and extending from said body, and means included in said body for preventing low frequency telephone currents from flowing through said wire connection.

1,584,198. CHAIN-CONTROLLING DEVICE. HARRY P. STEVENS, New York, N. Y. Original application filed May 20, 1924, Serial No. 714,624. Divided and this application filed May 21, 1925. Serial No. 31,891. 3 Claims. (Cl. 254—176.)

1. In combination with a device to be operated by a sprocket chain, a sprocket wheel adapted to be operated by suitable means, a sprocket chain having block links and side plates and adapted to be connected with the device to be operated, said side plates being in the form of links having abutting end surfaces to prevent bowing inwardly toward the sprocket wheel axis, and a guiding member having an edge located adjacent and following the curved path of the block links around the sprocket wheel and having a continuous straight surface extending beyond the periphery of said sprocket wheel in the direction of the path of the chain and positioned to engage the outer side of the adjacent block links of the chain and prevent the outward bowing of the chain when the links are in alignment.

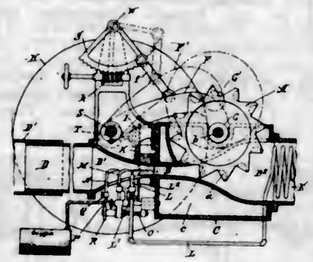


1,584,199. WELDING TORCH. CARL STROBEL, Los Angeles, Calif. Filed Apr. 12, 1924. Serial No. 706,038. 7 Claims. (Cl. 158—274.)



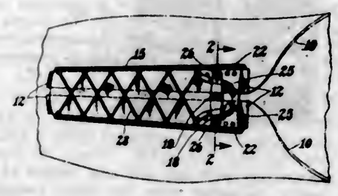
1. In a torch of the character described, the combination of a tip supporting member provided with a bore opening to the ends thereof, a tubular nut threaded on one end of the supporting member and having its bore in axial alinement with the supporting member bore, said one end of the tube and said nut having opposed and oppositely inclining conical seats, a tip adapted to be inserted and slipped endwise through the nut and into the bore of the supporting member, and a resilient cylindrical metal collar about and annularly spaced from the tube between said seats and having conical ends adapted to be engaged by said seats when the supporting member and nut are threaded together, the conical ends extending into peripheral engagement with the tube; all in a manner whereby continued threading of the nut on the supporting member is adapted to compress the collar longitudinally between the seats to make a gas tight joint between supporting member and tip.

1,584,200. PRIME MOVER. HENRY H. SUPLEE, New York, N. Y. Filed May 8, 1920. Serial No. 379,692. 13 Claims. (Cl. 60—41.)



1. As a power generator, a tubular chamber comprising a relatively contracted portion and a relatively expanded portion, in combination with means for injecting fuel axially into such contracted portion towards such expanded portion, including an air blast, and said chamber being provided with an aperture to permit the entrainment of an additional air supply through said conduit by the inductive effect of the fuel injection means, substantially as described.

1,584,201. SHOE-FASTENING DEVICE. STANLEY SZASTALO, New York, N. Y. Filed Oct. 29, 1924. Serial No. 746,484. 3 Claims. (Cl. 24—207.)



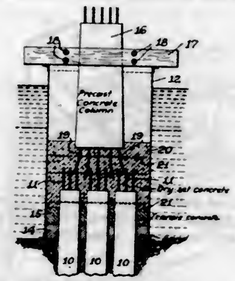
1. In a shoe, a pair of strips extending along the edges of the shoe wings, and a strap element covering said strips and having side flanges engaging under the remote edges of said strips, and means for securing said strap element to said strips, comprising a spring fastened to the strap element, and studs on the ends of said spring enegaging in apertures in the said strips.

1,584,202. COLORING-MATTER PASTE. ERNST THEOBALD, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed June 8, 1925. Serial No. 35,787. 2 Claims. (Cl. 8—6.)

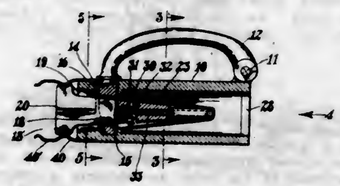
1. As new articles of manufacture, organic coloring matters, insoluble in water, in the form of an aqueous paste containing a small amount of precipated manganese compounds.

1,584,203. ERECTING FOUNDATIONS UNDER WATER. MAXWELL MAYHEW UPSON, Englewood, N. J. Filed May 15, 1925. Serial No. 30,476. 10 Claims. (Cl. 61—46.)

1. In a method of erecting foundations, placing a lower supporting member in the ground under water, arranging an upper precast concrete member above the lower member, and while excluding the water from around the adjacent portions of said members, casting a connecting body of concrete between said members and allowing the connecting body to set.

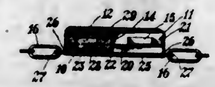


1,584,204. LOCK FOR AUTOMOBILES. JOHN USIECH, New Westminster, British Columbia, Canada. Filed May 26, 1924. Serial No. 715,807. 2 Claims. (Cl. 70—105.)



1. A lock of the type described comprising a casing, a shackle hinged thereto and having an apertured tongue on its free end adapted to engage in the casing, and a bolt removable from the casing and projecting through the aperture in the tongue to hold the latter in place in the casing, and key controlled elements retaining the said bolt against displacement from the casing, said elements comprising flat springs fixed at one end to the inner end of the bolt and adapted to have their free ends engage behind the said tongue, and key controlled abutment latches adapted to hold both said springs in operative position.

1,584,205. ORNAMENTAL WRIST MIRROR AND VANITY CASE. EDUARDO ZALDO, New York, N. Y. Filed June 4, 1924. Serial No. 717,675. 3 Claims. (224—28.)

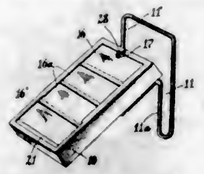


1. In combination, a vanity case, a pair of hooks adjustably positioned on the ends thereof, and having their beaks normally within the confines of the case, and a wrist encircling element attached to said hooks at its ends, said hooks being adjustable to expose the beaks thereof.

1,584,206. SANITARY TOOTHBRUSH RECEPTACLE. SAMUEL BAILIN, Brooklyn, N. Y. Filed Feb. 14, 1925. Serial No. 9,354. 5 Claims. (Cl. 206—15.1.)

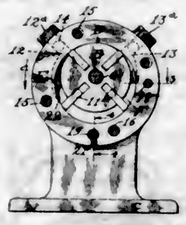
4. In a toothbrush holder comprising a box, a cover therefor consisting of a number of slidable sections, said box having longitudinal guide grooves in the side walls thereof to receive the edges of said sections, said

grooves having extensions at one end entered inward into the box to receive the side edges of the said sections when the cover is collapsed, the adjacent end of one



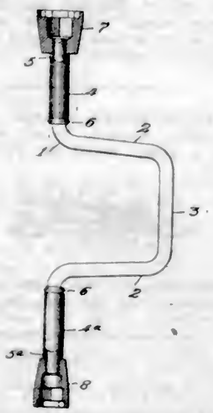
of said sections being formed with a channeled lip along one edge thereof to receive the edges of the other sections when the cover is collapsed.

1,584,207. ROTARY COMPRESSOR. FRED C. BELL, Alameda, Calif. Filed Feb. 5, 1924, Serial No. 690,790. Renewed Oct. 12, 1925. 10 Claims. (Cl. 230—30.)



1. In a pump or compressor of the character described, a cylinder, a rotor eccentrically positioned therein, and means permitting adjustment of the cylinder with relation to the rotor to maintain a constant or running clearance between the rotor and the cylinder at the point of least eccentricity.

1,584,208. BRACE WRENCH. WARREN S. BELLOWS, Worcester, Mass., assignor to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed July 30, 1923. Serial No. 654,576. 2 Claims. (Cl. 81—73.)



1. A brace wrench including two shanks and an offset handle, a socket member on each shank, one socket having an inner hexagonal-shaped cavity and an outer octagonal-shaped cavity, the other socket having an inner hexagonal-shaped cavity and an outer partially round cavity.

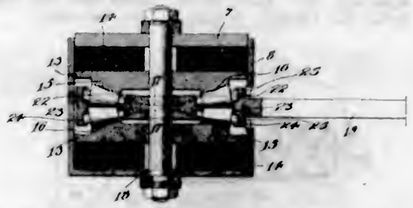
1,584,209. LEATHER-BELT DRESSING. SANDFORD BROWN, Montclair, N. J., assignor to Halowax Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,439. 8 Claims. (Cl. 149—6.)

1. A belt dressing comprising neat's foot oil, castor oil, and an oily halogen substitution product of naphthalene.

1,584,210. BURNER. GUINTHER H. BRUNOW, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Sept. 7, 1923. Serial No. 661,352. 3 Claims. (Cl. 158—116.)

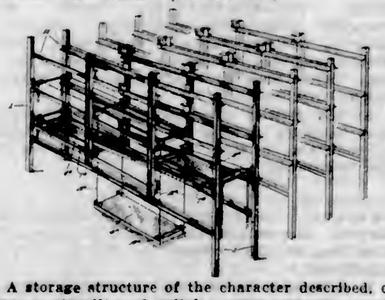
1. In a gas burner, a tube having one end thereof externally tapered, a plurality of longitudinally extending ribs disposed on the tapered end, a peripheral shoulder disposed on the tube at the inner end of said ribs, a removable burner cap, internally tapered throughout a portion of its length and having a plurality of circumferential slots, disposed on the end of the tube and adapted to be seated on said ribs and the peripheral shoulder, and means at the opposite end of the tube for introducing gas and air therein.

1,584,211. SHOCK ABSORBING AND SNUBBING DEVICE. RICHARD T. A. BURKE, Bridgeton, N. J. Filed June 2, 1924. Serial No. 717,239. 16 Claims. (Cl. 267—8.)



1. In combination with the axle and chassis of a vehicle, a casing connected with the axle; compressing members movable in the casing; resilient means between each compressing member and the casing, and movable means, between the compressing members, connected with the chassis and adopted to move the members against the action of the resilient means as the chassis moves relatively to the axle.

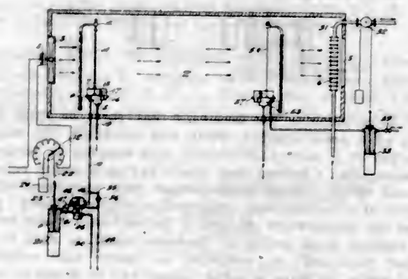
1,584,212. APPARATUS FOR STORING MOTOR VEHICLES OR OTHER ARTICLES. HAROLD P. BURRELL, Nutley, N. J. Filed July 24, 1924. Serial No. 727,888. 19 Claims. (Cl. 214—16.)



1. A storage structure of the character described, comprising a plurality of cellular compartments arranged

above one another, a shaft common to said compartments, individual carriers for said compartments, and means individual to each carrier for moving it horizontally of its compartment and vertically of said shaft way.

1,584,213. AUTOMATIC HUMIDITY AND TEMPERATURE CONTROL. RAGNAR CARLSTEDT, Stockholm, Sweden, assignor to Arca Regulators Incorporated, a Corporation of Virginia. Filed June 19, 1924. Serial No. 721,104. 8 Claims. (Cl. 236—44.)



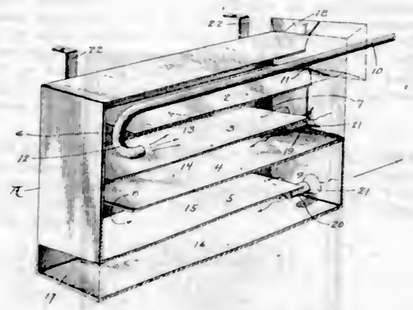
1. In combination, a temperature and humidity controlling apparatus comprising a relay, means to discharge a continuously flowing steam of liquid into said relay, means to control said stream of liquid in response to humidity, means whereby said stream of liquid controls a current of air, a second relay, means to discharge a continuously flowing stream of liquid into said second relay, temperature responsive means to control said second stream of liquid and means whereby the last mentioned continuously flowing stream of liquid controls the temperature of said current of air.

1,584,214. BAKER'S OVEN-CLEANING DEVICE. BENJAMIN CASTRO, Long Beach, Calif. Filed Feb. 25, 1925. Serial No. 11,421. 6 Claims. (Cl. 126—16.)

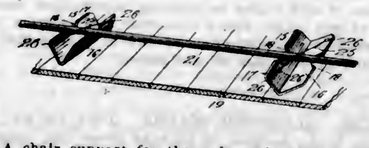
1. In a baker's oven, a horizontal flue, a frame element consisting of a pair of vertically spaced bars extending along each side of the flue, means for raising and lowering said frames, and means on said frames whereby rotary movement may be imparted to a brush moved thereabong.

1,584,215. EXHAUST MUFFLING AND COOLING DEVICE. LEONARD E. CLAWSON, San Francisco, Calif. Filed Apr. 14, 1924, Serial No. 706,422. Renewed Mar. 22, 1926. 1 Claim. (Cl. 137—160.)

A device of the character described, comprising a rectangular shaped casing, a series of superposed staggered plates mounted in said casing and forming a plurality of connected zigzag passages, said casing having an inlet opening formed therein communicating with the uppermost of the passages, and a discharge opening formed therein communicating with the lowermost of the passages, means for directing exhaust gases into the uppermost passage, a funnel connected with the uppermost passage to direct air into the passage, and a plurality of funnels connected with the other passages to direct air into the same.

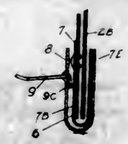


1,584,216. REENFORCED CONCRETE STRUCTURE. HENRY T. COATES, Germantown, Pa. Filed June 19, 1920. Serial No. 390,066. 3 Claims. (Cl. 72—122.)



2. A chair support for the rods or bars of reenforced concrete structures comprising a metal member formed into channel shape, the side walls of the chair being curved in the direction of their length.

1,584,217. LOCK CLASP FOR TIRE COVERS. LAWRENCE M. CROW, Waco, Tex., assignor to Clifton Manufacturing Company, Waco, Tex. Filed Mar. 17, 1925. Serial No. 16,126. 4 Claims. (Cl. 24—258.)



1. In a band-like cover member provided with separable longitudinally telescoped flap ends, a clasp secured along the longitudinal margin of one of said ends adapted to adjustably clamp the complementary overlapping edge of the other cover end, said clasp comprising a relatively rigid U shaped housing member and a supplementary U shaped resilient element embraced by the said housing in superimposed relation, said element being equipt with a set of spaced jaws serving to straddle said complementary cover edge and with means for permanently securing said element to the first named cover flap margin, and an actuating lever adapted to bear against and spring one of said jaws away from its adjacent housing part and adjustably clamp said interposed complementary cover edge between said jaw, said lever being externally disposed with respect to the cover member and kept accessible for manipulating purposes.

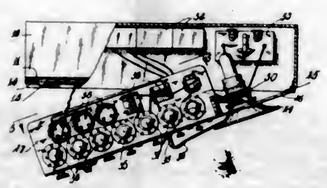
1,584,218. SIGN EXHIBITOR. ANTHONY E. DAVIS, Philadelphia, Pa. Filed June 25, 1924. Serial No. 722,189. 3 Claims. (Cl. 40—125.)

1. In a sign exhibitor, a frame comprising an outer member, spaced slot forming guides secured to said member, one of said guides terminating intermediate opposite sides of said frame, and a removable sign securing member forming a continuation of one of said guides and spaced from the other of said guides.

1,584,219. ALUMINUM SOLDER. JOHN DE MAY, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 26, 1919. Serial No. 279,392. 8 Claims. (Cl. 75—1.)

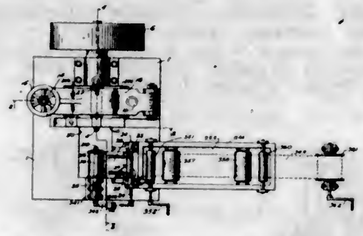
1. A metal alloy including tin as the predominant metal, the same being in excess of fifty percent of the alloy, a relatively large percentage of zinc, and substantial amounts of aluminum and antimony.

1,584,220. PORTABLE RADIO RECEIVING SET. HENRY FARKOUH, Brooklyn, N. Y. Filed May 21, 1923. Serial No. 640,335. 5 Claims. (Cl. 250—14.)



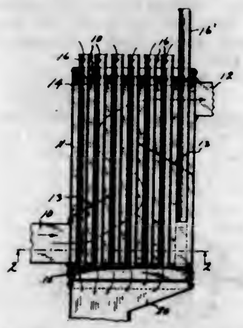
1. A radio receiving apparatus, comprising a casing formed with a front panel, a shelf mounted thereto at right angles, and a hinged cover, radio mechanism mounted within said casing, and having the electron tubes mounted on said shelf, the loud speaker mounted on said panel board at one side of said shelf, with its mouth lying in said panel board, and the antenna in the form of a loop carried by said cover, whereby the mechanical vibrations of the loud speaker are damped from reaching the grids of said electron tubes.

1,584,221. METHOD OF AND APPARATUS FOR MAKING TIN PLATE. ALEC J. GERRARD and PARVIN WRIGHT, Chicago, Ill., and SAMUEL PEACOCK, Wheeling, W. Va.; said Wright and said Peacock assignors to said Gerrard. Filed Mar. 31, 1924. Serial No. 703,166. 8 Claims. (Cl. 29—17.)



5. In a machine for making a flat sheet or strip of steel of a predetermined width and thickness, the combination of a pair of deforming rolls adapted to receive between them a hollow steel sleeve having a length equal to said width; means to cause said rolls to subject said sleeve to a rolling and compressing action sufficient to raise the temperature of, and to convert said sleeve into an endless band having a thickness equal to said first named thickness; an enclosure to receive said endless band while the same is being formed and to preserve the generated heat therein; and means to form said severed band into a coil.

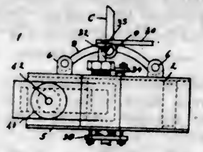
1,584,222. AIR HEATER. CHARLES J. HANIMAN, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 9, 1922. Serial No. 580,720. 6 Claims. (Cl. 257—167.)



4. In an air heater, a gas flue having an inlet and an outlet and having a plurality of pairs of holes in alinement in its top and bottom walls, and tubes extending vertically across the flue, each tube connecting a pair of said holes and extending into the hole in the top wall with a relatively loose fit and being unconnected thereto, the holes in said bottom wall being surrounded by conical cavities with the greater diameter at the top, the lower ends of said tubes being seated against said conical cavity and held in position by gravity.

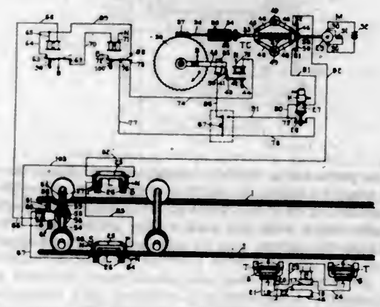
1,584,223. ROTARY LIQUID BRAKE. FRANCIS L. HORSPOOL and JOHN C. MILES, Salt Lake City, Utah. Filed June 2, 1925. Serial No. 34,306. 6 Claims. (Cl. 188—90.)

1. A rotary liquid brake the combination with a vehicle wheel having a sleeve projecting therefrom, a casing, said sleeve passing through said casing, a rotating piston head secured to said sleeve within said casing, pistons operating within said head, liquid within said casing, said piston head being driven by said vehicle wheel, said pistons to force the liquid through a conduit in said casing, a valve in said casing to be closed to prevent said pistons



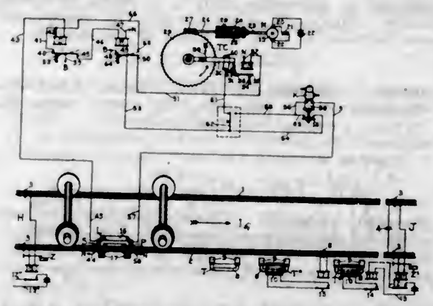
forcing said liquid through said conduit to form an oil pack to set the brake, means for securing said brake to the vehicle and means for operating said brake.

1,584,224. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Mar. 4, 1922. Serial No. 541,225. 31 Claims. (Cl. 246—63.)



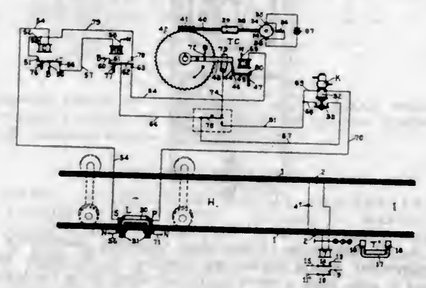
1. An automatic train control system comprising, trackway elements located at one side of the center line of the track rails each constituting a mass of inert magnetic material when in their active influence transmitting condition, a car-carried core of magnetic material, means for producing a magneto-motive-force in said core, a secondary coil on said core, a normally energized brake control appliance, and means for deenergizing said brake control appliance if said car-carried core passes over two successive trackway elements in less than a predetermined time.

1,584,225. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed July 20, 1922. Serial No. 576,281. 33 Claims. (Cl. 246—63.)



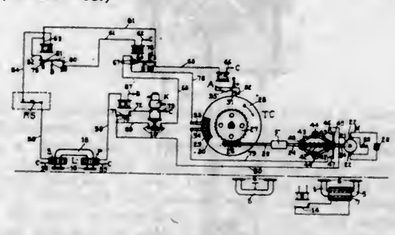
1. In an automatic train control system of the intermittent inductive type for railroads having tracks divided into blocks, the combination of trackway means located at a plurality of points in each block along the track, of car-carried means adapted to cooperate with and to be inductively influenced by said trackway means through an intervening air-gap to enforce predetermined speed limits dependent upon the condition of said trackway means when passing a control point, and means dependent for their operation on both the traffic condition in the block next in advance of the block occupied by the train and on the traffic condition in advance of such point only in such occupied block for governing said trackway means.

1,584,226. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Sept. 1, 1922. Serial No. 585,676. 14 Claims. (Cl. 246—63.)



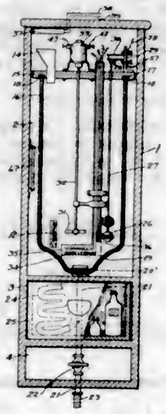
7. In a train control system, the combination with car-carried devices, of a trackway divided into blocks having an overlap track circuit followed by a main track circuit, track devices in each block adapted to cooperate with the car-carried devices to apply the brakes if the engineer exceeds a speed which will carry the train beyond the exit end of the block if he makes a service brake application, and means for governing said trackway devices controlled jointly by the two track circuits of the block in advance and the overlap track circuit of the second block in advance, said overlap track circuits extending a distance into the block which the train can not overrun when an automatic brake application has been made.

1,584,227. TRAIN CONTROL. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 596,075. 15 Claims. (Cl. 246—63.)



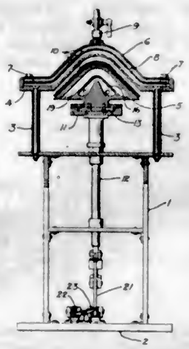
11. An automatic train control system comprising, pairs of influence communicating trackway devices located in the same path along the trackway of which one device of each pair is always active and the other device is active at times only and is controlled in accordance with traffic conditions ahead, and car-carried apparatus which if actuated restricts the movement of the train and which is actuated if a control point is passed at which both devices of the pair are active and which is restored to normal if the train passes a control point at which only one device is active.

1,584,228. DOUCHING AND IRRIGATING APPARATUS. ROY C. JACKSON, Seattle, Wash., assignor of one-half to Charles A. Thomas, Seattle, Wash. Filed Aug. 27, 1923. Serial No. 659,673. 3 Claims. (Cl. 128—255.)



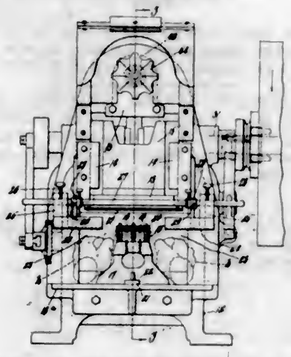
1. An apparatus of the class described comprising a cylindrical casing having an opening in its upper end and a pipe with a valve in it extending from its lower end; said casing having an agitator in its lower end which is operated through a motor above the casing, a heating element with a thermostatic control, and a float for indicating the amount of liquid in the container and also for breaking the heating circuit as the container becomes empty; and said casing being enclosed in another casing which is provided with a lamp for lighting the inner casing, a compartment for holding fixtures, and a switch for connecting the individual circuits to a source of electricity.

1,584,229. PRESSING MACHINE. JOSEPH F. JOUBERT, San Francisco, Calif. Filed Dec. 1, 1924. Serial No. 753,181. 2 Claims. (Cl. 68—9.)



1. A pressing machine comprising the combination of an upper pressing element having a lower pressing surface and an upper heating surface, means removably mounted on the element over the upper surface and having a chamber therein, a gas connection to the chamber, the lower wall of the chamber being perforated into the chamber and spaced from the said upper surface whereby flame jets are provided to heat the pressing element, a lower pressing element cooperating with the upper pressing element and having a heating chamber therein, gas connections to and from the chamber for heating the upper pressing surface of the lower pressing element, and means for moving one of the pressing elements vertically to cooperate with the other pressing element.

1,584,230. PERFORATING MACHINE. JOSEPH C. KNIGHT, Brockton, Mass. Filed May 29, 1925. Serial No. 33,795. 11 Claims. (Cl. 161—93.)

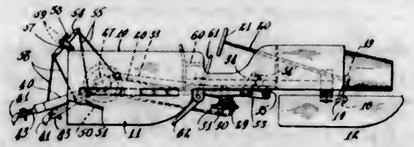


1. A perforating machine comprising a frame having fixed platen guides; a reciprocating platen movable in said guides; a fixed bed arranged in a plane substantially at right angles with the path of the platen, and extending under the latter, and an anvil manually movable on the bed and provided with punches adapted to cooperate with the platen, the bed and anvil being provided with complemental guide elements, adapted and arranged to guide the anvil in a path parallel with the plane of the bed, and permit anvils of different widths to be used interchangeably with the bed, without change or adaptation of the guide elements, the frame, the bed, and the anvil being formed and arranged to provide spaces at the opposite sides of the anvil, and below the upper surface thereof for hands holding the work.

1,584,231. COMPOSITION FOR THE REMOVAL OF PAINT AND VARNISH. SHICKREY B. KOORY, Schuyler, Nebr. Filed July 29, 1922. Serial No. 578,490. 1 Claim. (Cl. 87—5.)

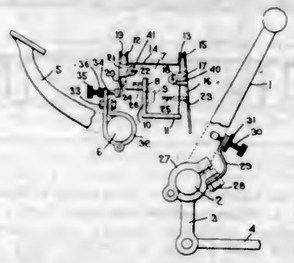
A paint and varnish remover including a solution composed of the following ingredients in the following proportions, sodium hydroxide, hydrate or caustic soda (NaOH) ¾ pound, potassium hydroxide, potassium hydrate or caustic potash (KOH) ¼ pound, ammonium hydroxide or ammonium hydrate ¼ pound, ammonium chloride (NH_4Cl) 2 ounces, alcohol 10 ounces, and water sufficient to form one gallon of the solution.

1,584,232. PROPELLED SLED. PETER KRETOWICZ, Cleveland, Ohio. Filed Dec. 11, 1925. Serial No. 74,715. 3 Claims. (Cl. 208—159.)



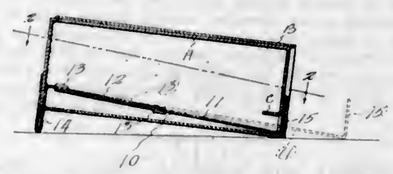
1. In a sled, a crank shaft, a pair of push-bars connected to said crank-shaft to propel the sled, means for rotating said crank shaft, and springs urging said push-bars downward, and means for lifting the rear ends to said push bars as the latter move forward, said means being operable by the said crank shaft, and including a pair of walking beams, ropes connecting said walking beams with the crank elements of the said shaft, and ropes connecting said walking beams with the said push-bars.

1,584,233. AUTOMOBILE BRAKE GUARD. JOHN HOWARD LUCY, Boston, Mass. Filed Nov. 9, 1921. Serial No. 514,074. 4 Claims. (Cl. 177—311.)



1. In an automobile a brake actuator movable to apply and release brake mechanism, a clutch actuator movable to effect the connection and disconnection of the engine to the driving elements, a signal, and means controlled by the absence of the brake actuator from releasing position to operate the signal upon the movement of the clutch actuator.

1,584,234. DISPENSING DEVICE FOR BOXES. UA LEWIS, Dallas, Tex. Filed May 26, 1924. Serial No. 715,883. 4 Claims. (Cl. 206—31.)



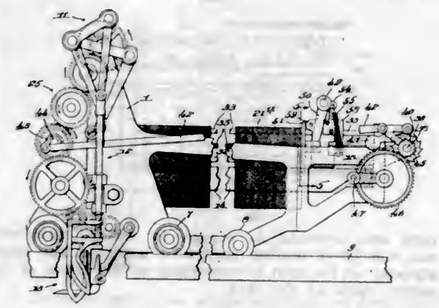
1. A dispensing attachment for boxes comprising a member having at one end a depending portion for supporting said member and box the box on an incline and an upturned lip at the opposite end for retaining a commodity fed down the inclined member.

1,584,235. INSECTICIDE. SEBASTIAN LOMANITE, Houston, Tex. Filed Dec. 27, 1924. Serial No. 758,395. 5 Claims. (Cl. 167—6.)

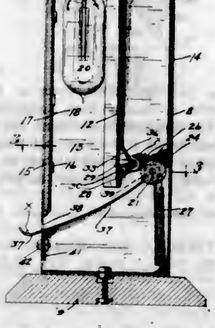
5. An insecticide mixture containing an insecticide, a germicide, a soluble soap and aluminum sulphate.

1,584,236. FEED MAGAZINE. SEBASTIANO MAGNANO, Lawrence, Mass., assignor to Magnano Corporation, Lawrence, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1924. Serial No. 705,648. 9 Claims. (Cl. 28—41.)

1. In a machine of the class described a magazine for holding a stack of articles arranged in series, and means for urging the stack toward one end of the magazine comprising a sliding support, a guide for the support, means for moving the support along the guide, a lever mounted on the support, a follower plate pivotally supported by the lever for engraving the endmost article in the magazine, and yieldable means tending to swing the lever to hold the follower against such endmost article.



1,584,237. ADVERTISING DISPLAY CABINET AND TOOTHPICK DISPENSER. RUSSELL T. MANNING, Minneapolis, Minn., assignor, by mesne assignments, to Ideal Advertising Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 11, 1925. Serial No. 8,426. 3 Claims. (Cl. 206—22.)



1. The combination with a cabinet having a toothpick compartment, of an ejector in said compartment comprising a feed roller having on its periphery a ratchet-like tooth, yielding means holding the feed roller in normal position, a lever for operating the feed roller, and a yieldingly held cut-off blade normally extending in the path of movement of said tooth and arranged to be engaged by said tooth, during the rotation of the feed roller to eject a toothpick, and moved out of said path.

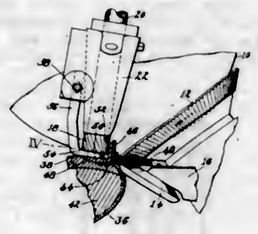
1,584,238. INDEXING DEVICE. AUGUST MENGER, San Antonio, Tex. Filed May 28, 1925. Serial No. 33,522. 1 Claim. (Cl. 129—16.7.)

In combination, an index card for arrangement in an index according to a surname on the card and having along its upper edge letters of the alphabet arranged in a series, and a tab for engagement with the said

upper edge of the card in adjustable position therealong, having an upstanding portion bearing a letter corresponding to the initial of the given name of the

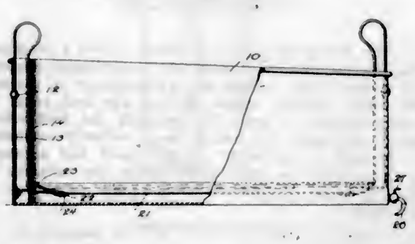
card and arranged to expose, in vertical line with the said letter bearing portion, a letter on the upper alphabet of the card corresponding to the initial of the middle name of the card.

1,584,239. MACHINE FOR OPERATING ON SHOES. GEORGE A. MINER, Glen Rock, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 8, 1924. Serial No. 697,788. 18 Claims. (Cl. 12—29.)



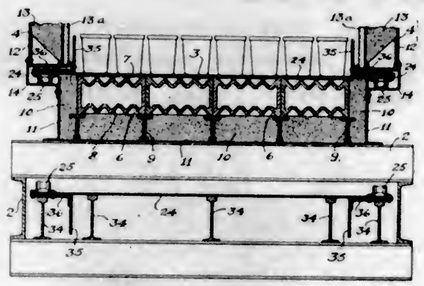
3. A machine for operating upon a shoe having a sole provided with a channel-flap, comprising means arranged to close the channel-flap, means for simultaneously trimming an element of the shoe, and means for feeding the shoe lengthwise of the channel-flap so that said flap-closing means and said trimming means will function progressively.

1,584,240. BATHTUB. MAX MIBKIN, New York, N. Y. Filed Nov. 28, 1925. Serial No. 72,005. 7 Claims. (Cl. 4—185.)



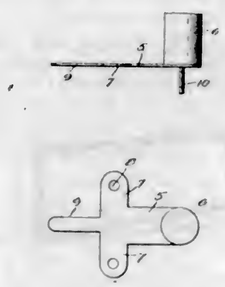
1. In combination with a tub having oppositely disposed recessed portions, supporting device associated with said recessed portions, adjusting devices cooperating therewith, and adapted to close the open side of the recessed portions, and a cradle suspended between said adjusting devices.

1,584,241. APPARATUS FOR ANNEALING GLASSWARE. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 27, 1925. Serial No. 52,752. 11 Claims. (Cl. 49—47.)



1. A glass annealing lehr comprising a tunnel having a bottom, a flexible endless conveyor having its ware-bearing strand extending through said tunnel and in contact with said bottom, a sprocket chain secured to each edge of said conveyor, and mechanism for driving said chains.

1,584,242. VIBRATOR-ARMATURE TESTER. EUGENE ALLEN PARKER, Morrilton, Ark. Filed July 7, 1925. Serial No. 41,984. 4 Claims. (Cl. 73—51.)

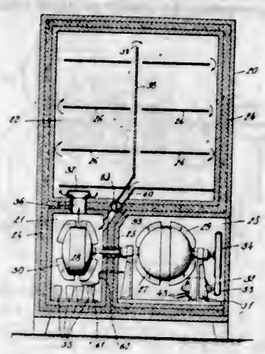


4. A testing device of the class described including a plate body, ears projecting transversely from one end thereof, a weight on the other end thereof, and a pair of legs on said other end extending from the body in an opposite direction to the weight so that said legs may straddle the vibrator bridge and rest on the vibrator armature when said ears are engaged with the screws of the vibrator bridge, said ears being provided with apertures, and a gage extending from the end of the plate body having the ears, said extension being aligned with the median dimension of the plate body.

1,584,243. CONTROL FOR REFRIGERATING MACHINES. KARL D. PERKINS, New York, N. Y., and ALFRED D. KARR, Newark, N. J. Filed Oct. 11, 1923. Serial No. 667,800. 4 Claims. (Cl. 62—4.)

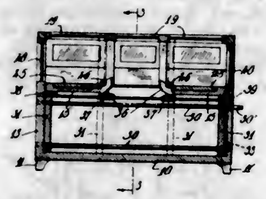
1. In a refrigerator having a refrigerating chamber, a refrigerating device operable to produce temperature changes therein, and a storage compartment normally in communication with said refrigerating chamber, the combination of, means operable by temperature changes in

said chamber for controlling said refrigerating device, and means operable by temperature changes in the storage



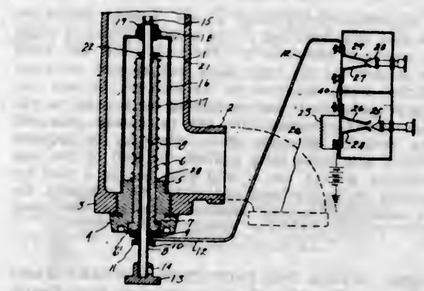
compartment for controlling the communication with the refrigerating chamber and for controlling said refrigerating device.

1,584,244. REFRIGERATOR DISPLAY BOX. GEORGE N. BABICKOW, Donora, Pa. Filed Feb. 13, 1924. Serial No. 692,454. 3 Claims. (Cl. 211—25.)



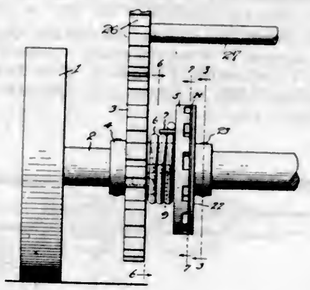
1. A refrigerating box having shelves formed at one end thereof having shallow recesses, leaves normally sunk in the recesses of said shelves and hinged to the adjacent ends of said shelves, adjustable wall elements normally arranged adjacent the ends of the box and adapted for adjustment to positions under the said adjacent edges of said shelves.

1,584,245. INTAKE MANIFOLD FOR INTERNAL-COMBUSTION ENGINES. GIRARD C. ROBINSON, Detroit, Mich. Filed Aug. 1, 1924. Serial No. 729,430. 9 Claims. (Cl. 219—38.)



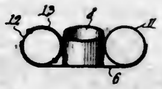
1. In combination, an intake manifold consisting of a duct for the passage of a fuel charge, an electrically heated element in the duct, and a tube heated by the element open to atmosphere at one end and discharging into the duct at the other.

1,584,246. CLUTCH. MARTIN E. SEELY, Cleveland, Ohio. Filed Aug. 12, 1922. Serial No. 581,464. 2 Claims. (Cl. 192—46.)



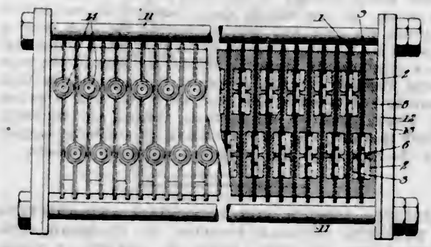
1. A clutch mechanism of the character set forth comprising a shaft adapted to be rotated in opposite directions, a crown gear journaled on said shaft, a driven member journaled on said shaft, means operatively connecting said gear and said member, a plate journaled on said shaft, a detent carried by said plate and having a lateral projection adapted to engage the teeth of said gear, a second plate journaled on said shaft and having a radial slot therein adapted to receive said lateral projection, nd a third plate fastened to said shaft and having an aperture therein adapted to receive said lateral projection, said second and third plates being adapted to force said detent into engagement with said crown gear upon rotation of said shaft in one direction and disengage said detent upon rotation of said shaft in an opposite direction.

1,584,247. CHIMNEY. JOHN WALTER SIMMONS, Francisco, N. C. Filed Jan. 8, 1926. Serial No. 80,126. 4 Claims. (Cl. 206—46.)



1. A collapsible chimney construction including a base having upturned side portions and having a central pipe section, pipe sections adapted to be positioned within the upturned side portions and clamped between the upturned side portions and central pipe section, and the last mentioned sections being of lengths equal to the width of the base.

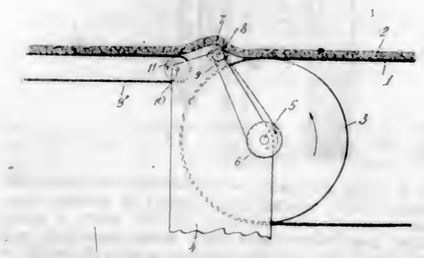
1,584,248. STORAGE BATTERY AND ELECTRODE THEREFOR. THOMAS SPENCER, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed June 11, 1924. Serial No. 719,404. 8 Claims. (Cl. 136—10.)



1. A storage battery electrode having a body of positive active material on one side and a body of negative active material on the other, said bodies occupy-

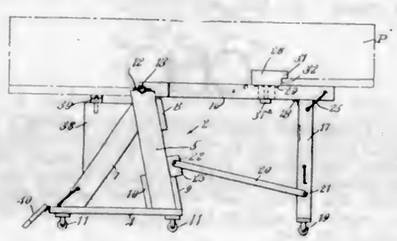
ing non-alined electrode areas, whereby short circuiting of the bodies in case of deterioration of the electrode is prevented.

1,584,249. PEELER. ADOLPH STEINHILBER, Rock Island, Ind., assignor to Wood Conversion Company, Cloquet, Minn., a Corporation of Delaware. Filed July 8, 1925. Serial No. 42,329. 8 Claims. (Cl. 198—185.)



1. The combination of a conveyor for conveying a coherent layer of material, and a rotatable member disposed near the delivery end of the conveyor, and arranged to remove the material from the conveyor by imparting intermittent impulses to said layer.

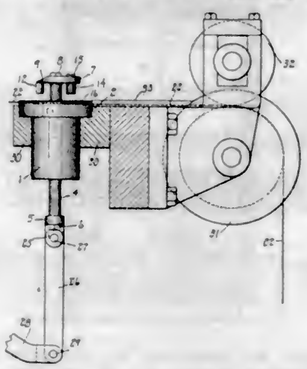
1,584,250. PIANO TRUCK. WILLIAM C. STEPHENSON, Woburn, and HENRY G. OSTERBERG, Belmont, Mass. Filed Aug. 11, 1924. Serial No. 731,321. 18 Claims. (Cl. 254—3.)



1. A factory truck for supporting pianos during the process of manufacture comprising a base and a rack carried thereby, means mounted upon the rack specifically designed to engage portions of the case of a grand piano which are not to receive a polish and detachably to secure the case to the rack, and pivotal connections between the rack and base permitting the rack with a piano case mounted thereon to swing from a horizontal to a substantially vertical position, the axis of the rack being disposed so much nearer to one edge of the base than to the opposite edge that when the rack is swung to vertical position all portions thereof are vertically above the base, and means forming an auxiliary support for the rack when the latter is horizontally disposed.

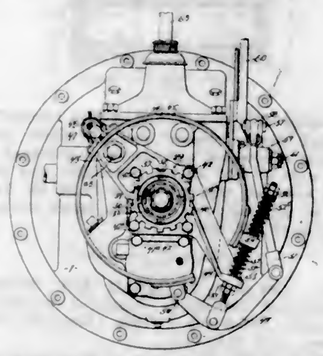
1,584,251. DEVICE FOR PUNCHING AND CUTTING EYELETS. WILLIAM STUEBING, Sr., Cincinnati, Ohio. Filed Feb. 21, 1924. Serial No. 694,316. 1 Claim. (Cl. 164—13.)

In a device of the character described, a body part carrying a head, said head carrying a die and a lower cutting knife in combination with shafts passing through said head and body part and capable of upward and downward movement, the shafts at their top carrying a



supporting plate, said plate provided with an upper cutting knife and a punch, the whole combined as a unit, for attachment to or removal from a machine.

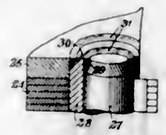
1,584,252. TRANSMISSION GEARING. HENRY W. SWEET, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Original application filed Jan. 10, 1923, Serial No. 611,869. Divided and this application filed Dec. 20, 1923. Serial No. 681,743. 1 Claim. (Cl. 188—206.)



In a transmission gearing, a case, a shaft journalled in the case and extending to the outside thereof, a brake band arranged substantially concentric with the shaft and a support for the brake band, said support including a hub detachably mounted on the wall of the case concentric with the shaft and supporting the bearing for the shaft, means for securing the hub to the case, the hub having radially extending arms extending in opposite directions, said arms lying against the wall of the case and secured thereto, one of said arms having a stud for supporting the brake band and means for operating the brake band, a portion of which is carried by the other arm.

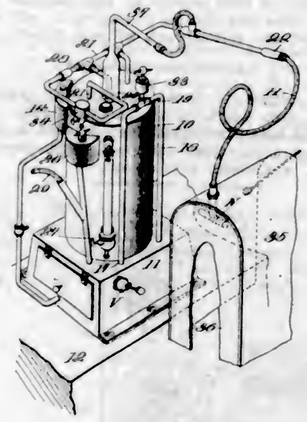
1,584,253. ROTOR FOR INDUCTION MOTORS. HARRY L. TANNER, Brooklyn, N. Y., assignor to Ford Instrument Company, Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1921. Serial No. 477,431. 2 Claims. (Cl. 172—120.)

1. A dynamo-electric machine rotor comprising conducting end rings, core laminations between said rings, a plurality of cylindrical conductors extending through said laminations to the outer surfaces of said rings, and axially slotted conducting tubes sheathing and retaining



said conductors, said tubes having circumferentially chamfered ends connected to said rings with fusible conducting material.

1,584,254. METHOD OF TREATING PLANTS. SIGMUND TARNOK, New Orleans, La., assignor to Tarnok, Inc., a Corporation of Louisiana. Original application filed Nov. 19, 1923, Serial No. 675,775, Patent No. 1,513,138, dated Oct. 28, 1924. Divided and this application filed Apr. 8, 1924. Serial No. 704,948. 3 Claims. (Cl. 47—58.)



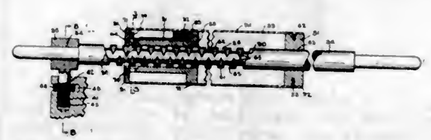
1. The method of treating plants comprising producing a hydro-carbon smudge which will adhere to the plants, mixing a plant food with said smudge and discharging the mixture in the vicinity of growing plants.

3. The method of treating plants comprising producing a smudge by subjecting unconfined hydrocarbon oil to heat without combustion, while exposed to normal atmospheric air, combining fumes of a volatile oil with said smudge and applying the same to the plants.

1,584,255. INK-DISTRIBUTING ROLLER. FRANK TEMMEN, Covington, Ky. Filed Mar. 4, 1926. Serial No. 92,276. 12 Claims. (Cl. 101—348.)

1. In an ink distributing roller, the combination of an ink distributing roller, the combination of an ink distributing rotatable shell comprising a bearing, a rod whose longitudinal axis is coincident with the axis of rotation of said shell, said rod having a threaded portion in said bearing, means restraining rotation of said rod, said threaded portion comprising crossing interrupted threads and continuous crossing thread-spaces therebetween, a shoe pivoted in said bearing on a pivot whose pivotal axis is substantially radial with relation to said shell, said pivoted shoe having a threaded portion received in said thread-spaces, means at the respective ends of said crossing threads for turning said shoe on its pivot for reversing the direction of its thread portion with relation to said crossing threads, and arranged whereby, upon rotation of said shell, said shell is also moved in opposite axial directions, and a releasable end-plate for releasably holding said shoe to said bearing.

1,584,256. INK-DISTRIBUTING ROLLER. FRANK TEMMEN, Covington, Ky. Filed Mar. 4, 1926. Serial No. 92,277. 5 Claims. (Cl. 101—348.)

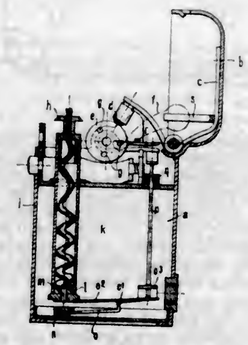


1. In an ink distributing roller, the combination of an ink distributing rotatable shell, a bearing therein, a rod whose longitudinal axis is coincident with the axis of rotation of said shell, said rod having a threaded portion in said bearing, means restraining rotation of said rod, said threaded portion comprising crossing interrupted threads and continuous crossing thread-spaces therebetween, a shoe pivoted in said bearing on a pivot whose pivotal axis is substantially radial with relation to said shell, said pivoted shoe having a threaded portion received in said thread-spaces, means at the respective ends of said crossing threads for turning said shoe on its pivot for reversing the direction of its thread portion with relation to said crossing threads, and arranged whereby, upon rotation of said shell, said shell is also moved in opposite axial directions, and a releasable end-plate for releasably holding said shoe to said bearing.

1,584,257. FURNITURE AND AUTO POLISH. JIM THOMAS, Shreveport, La. Filed May 26, 1925. Serial No. 33,044. 1 Claim. (Cl. 134—24.)

A polishing composition comprising a decoction of linseed oil, 3 qts., pine rosin, 2 lbs., turpentine, 4 oz., and beeswax, 2 oz.

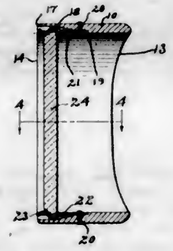
1,584,258. PYROPHORIC LIGHTER. HERMANN THORENS, Ste. Croix, Switzerland. Filed July 31, 1923. Serial No. 654,935. 5 Claims. (Cl. 67—7.1.)



1. In a pyrophoric pocket-lighter of the kind where a case having a spring actuated lid encloses a fuel reservoir, the combination of a tube containing the wick and

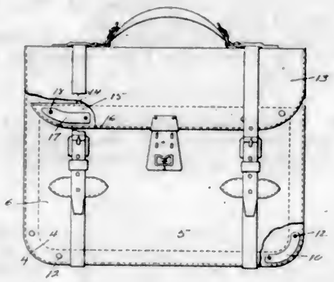
extended into the reservoir, a check-valve arranged so as to control the feeding of fuel into said wick-tube and means adapted to operate said valve automatically whenever the lid is thrown open.

1,584,259. GOGGLES. GEORGE L. TULLY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 20, 1925. Serial No. 3,570. 10 Claims. (Cl. 2—14.)



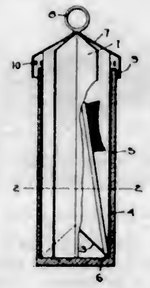
1. The combination in an eye cup of an annular shoulder adjacent one edge, an annular reduced portion provided with a plurality of transversely extending grooves, intermediate the annular shoulder and the edge, a spring clip mounted in each groove and a U-shaped catch formed in each clip.

1,584,260. REENFORCING MEANS FOR BRIEF BAGS AND SIMILAR CASES. BENTON URBAND, New York, N. Y. Filed July 28, 1924. Serial No. 728,666. 1 Claim. (Cl. 190—49.)



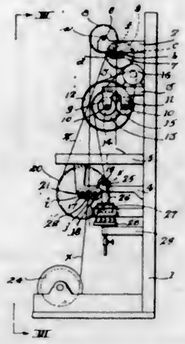
Corner structures for flexible brief bags comprising two plies of substantially heavy material of equal thickness rounded on a substantially large arc merging at the ends of the arcuate portion into the sides of the bag, spaced parallel rows of stitching extending in arcuate relation around the corner portion and along said sides joining said plies of material together, and an arcuate metal strip member having the edges extending in concentric arcs, said member being mounted between said plies and said rows of stitching and of the same arcuate configuration as said corner, the ends of said members terminating at the ends of the arcuate corner portions, and means fastening the ends of the strip members to said plies of material, whereby said strip member will distribute stresses at the corner portion over a substantial portion of the adjacent area of the bag to reduce wear on the material and stitching, and prevent curling thereof.

1,584,261. SANITARY HOLDER FOR TOILET ARTICLES AND THE LIKE. ALPHONSO VUOLO, Malden, Mass. Filed Apr. 28, 1925. Serial No. 26,384. 6 Claims. (Cl. 206—15.1.)



1. A holder for toilet articles and the like comprising a standard provided with means to engage the upper portions of the article and prevent the lateral displacement thereof, a base secured to said standard having means to cause the articles resting upon said base to lean toward the vertical axis of said holder.

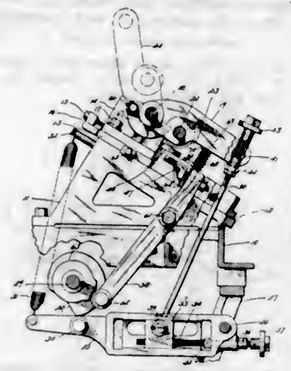
1,584,262. METHOD FOR PRODUCING METALLIC STEMS FOR ARTIFICIAL LEAVES AND APPLYING THE LEAVES THERETO. GILBERT S. WALKER, Pittsburgh, Pa. Filed Dec. 5, 1923. Serial No. 678,674. 5 Claims. (Cl. 41—3.)



1. The herein described method for applying wire stems to artificial leaves or similar articles which consists in first partially severing a continuous wire by nicking, then securing the article to said wire and finally pulling the wire apart at the nick.

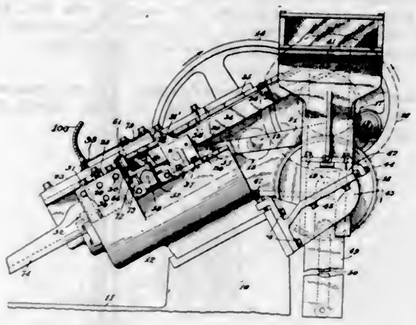
1,584,263. SLOTTER MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,776. 9 Claims. (Cl. 10—5.)

1. In a device of the character described; a body member; a block adjustably mounted thereon; a saw frame pivotally mounted on the block; a driving shaft; a saw connected with the saw frame; means for actuating the saw frame from the driving shaft irrespective of the relative position of the block on the body member and whereby the saw is drawn toward the blank; and a compression spring between the saw frame and body member at a point between the saw and where power is applied to the saw frame from the shaft that resists the movement of the saw frame when actuated by such power.



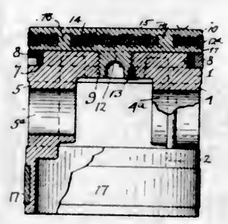
6. In a device of the character described; a carrier dial; a gripping member for holding a blank in the carrier dial; a shaft; means independent of the carrier dial between the gripping member and driving shaft for actuating the gripping member in timed relation with the movement of the carrier dial for positively gripping a blank therebetween with an unyielding pressure.

1,584,264. THREADING MACHINE. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 9, 1924. Serial No. 731,152. 40 Claims. (Cl. 80—8.)



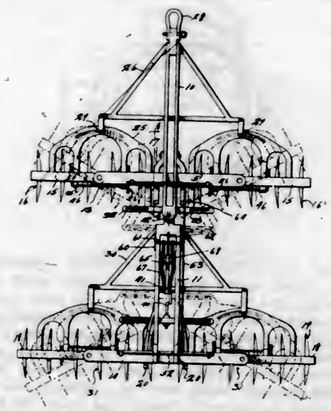
40. In a threading machine; a pair of dies; a hopper mechanism; means for guiding blanks from the hopper mechanism to the dies, all arranged so that blanks will travel by gravity in substantially the same plane and at an angle to the horizontal from the hopper to and between said dies and until discharged therefrom; yielding means applying pressure to the blank to insure its engagement between the dies, comprising a pusher, having a nose thereon in a plane between the faces of the dies; a spring for moving the same in one direction; and positive means for moving the same in the opposite direction, comprising a rock member having operative engagement with said yielding means and actuated in timed relation with the movement of said blank.

1,584,265. PISTON. EDWARD M. WILLIAMS, Elyria, Ohio. Filed Oct. 11, 1922. Serial No. 593,763. 5 Claims. (Cl. 74—108.)



1. A piston comprising a body portion, a head portion mounted upon the body portion, said head portion being formed with an outer member and an inner member which is spaced therefrom and joined by spaced connecting members integral with said inner and outer members, and a member intermediate the outer and inner portion of the head which is formed of material that is non-heat-conducting.

1,584,266. TANDEM-DISK HARROW. WILLIAM GRANT YERGEN, Newberg, Oreg. Filed Oct. 3, 1925. Serial No. 60,270. 23 Claims. (Cl. 55—83.)

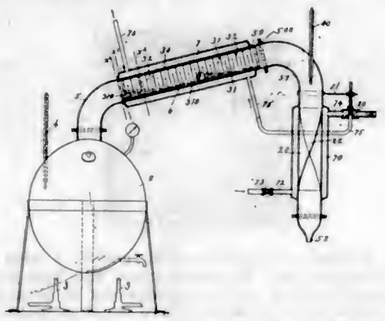


1. In a disk cultivator, a disk gang mounted for oscillation about a vertical pivot disposed intermediate the ends of the gang and means for locking certain of the disks of the gang against rotation to unbalance the resistance of the disks of the gang at opposite sides of the pivot and cause oscillation of the gang about its pivot.

2. In a disk cultivator, a disk gang mounted for oscillation about a vertical pivot disposed intermediate the ends of the gang, means limiting oscillation of the gang about its pivot, means for locking certain of the disks of the gang against rotation to unbalance the resistance of the disks of the gang at opposite sides of the pivot and cause oscillation of the gang about its pivot and means for locking the gang at either limit of its oscillatory movement.

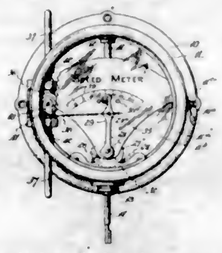
5. In a disk cultivator, a disk gang mounted for oscillation about a vertical pivot disposed intermediate the ends of the gang, the disks of the gang being divided into sections arranged at opposite ends of the gang, means for locking the disks of either section of the gang against rotation whereby the increased resistance of the locked disks causes oscillation of the gang about its pivot.

1,584,267. STILL. JACOB YOUNG, Winthrop, Mass. Filed Jan. 17, 1922. Serial No. 529,839. 4 Claims. (Cl. 196—139.)



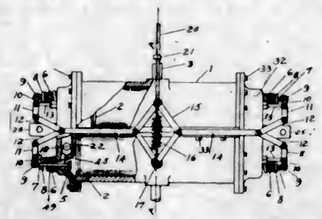
1. An upwardly inclined tubular chamber constituting a portion of a vapor duct, combined with a number of plates extending from the upper wall part way to the lower wall of said chamber, and foraminous plates extending upward from the lower wall in the spaces between said plates extending from the upper wall.

1,584,268. SPEED REGULATOR. RAYMOND E. ALEXANDER, Passaic, N. J. Filed Sept. 12, 1924. Serial No 737,419. 1 Claim. (Cl. 264—20.)



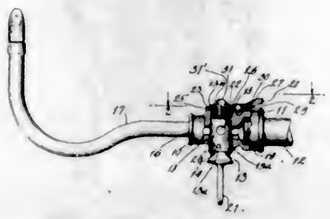
A speed regulating device for motor vehicles comprising a closed casing having a rotatable shaft passing therethrough and bearing therein, a dial-plate supported in the casing below the cover, a valve-operating finger movable over the dial-plate, and means for operating said finger from the rotatable shaft; together with a valve within the casing spring-actuated to normally open position and through which the fuel passes to the motor, a connection between the finger and valve to regulate the closing of the valve with respect to the movement of the finger over the dial-plate, and a stop-pin projecting from and adjustable on the dial-plate to limit the backward movement of the operating finger.

1,584,269. PNEUMATIC POWER-VEHICLE BRAKE. MICHAEL ARROWITZ, Pittsfield, Mass. Filed Sept. 11, 1925. Serial No. 55,867. 4 Claims. (Cl. 188—90.)



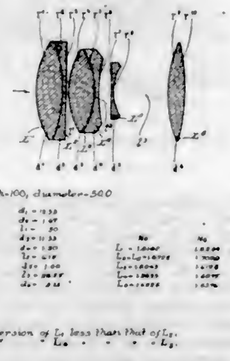
1. A pneumatic vehicle brake comprising two separate piston casings, said casings provided with an oil chamber, pistons inserted within said casings, a cam and cam bearing inserted in said pistons, a shaft extending through said pistons and cam, covers for the casing, valves inserted in said cover, means to hold said valves in position, means to operate said valves, a U-shaped exhaust pipe, a main exhaust pipe, an emergency valve, a breather pipe attached to said emergency valve, means to operate the cover valves and said emergency valve.

1,584,270. GAS COCK. JOSE MARTINEZ BARDERA, New York, N. Y. Filed Oct. 23, 1922. Serial No. 596,297. 1 Claim. (Cl. 251—164.)



A safety gas cock comprising a casing having threaded hub end portions, a rotatable key secured in said casing between said end portions, said key having a shut off body portion, a finger piece formed integral with the body portion at one end thereof and a spindle on the other end of said body portion arranged to extend through the casing, a stop-pin secured to the body portion adjacent said finger piece for engaging with a portion of the casing to positively stop the key in closed position, a single flat washer mounted on the end of the spindle, said washer having an opening therein shaped partly cylindrical and partly flat, and two diametrical slots extending inwardly from the rim of the washer on each side of said flat opening portion, the end of the spindle being shaped to correspond with said opening for retaining the washer to move therewith, a pin to releasably engage with said slots for positively locking the key in closed position, a spring pressed thumb-lever disposed longitudinally of said casing to lift said pin out of engagement with said slots for releasing the key, and an upstanding bearing on the threaded hub portion of the casing to pivotally support said thumb-lever.

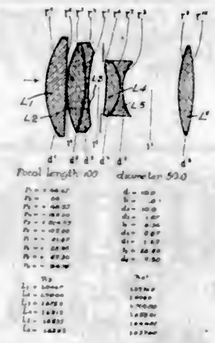
1,584,271. PHOTOGRAPHIC LENS. LUDWIG BERTELE, Dresden, Germany. Filed Jan. 13, 1923. Serial No. 612,563. 13 Claims. (Cl. 88—57.)



1. A lens with removed curvature of the view field comprising a dispersing member, a collective member on each side of said dispersing member and separated

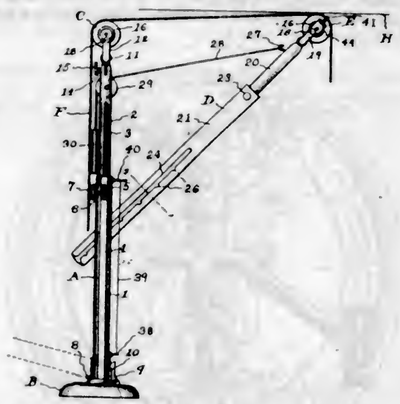
therefrom by interjacent spaces, one of the said collective members comprising two collective systems, said two collective systems being chromatically antagonistic.

1,584,272. PHOTOGRAPHIC LENS. LUDWIG BERTELE, Dresden, Germany. Filed Jan. 13, 1923. Serial No. 612,564. 15 Claims. (Cl. 88—57.)



1. A lens with removed curvature of the view field comprising a central dispersing member, a collective member on each side of said dispersing member and separated therefrom by interjacent spaces, one of said collective members comprising two collective systems, one of said collective systems comprising a doublet, and the central dispersing member also comprising a doublet, said doublets being chromatically antagonistic.

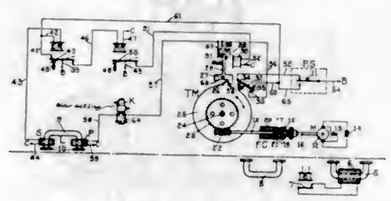
1,584,273. PAPER-HANGING DEVICE FOR CEILINGS. ERNEST R. BURKEY, Cleveland, Ohio. Filed May 16, 1925. Serial No. 30,648. 22 Claims. (Cl. 216—7.)



1. A device for applying wall covering to a ceiling, including a pair of cooperating paper supporting elements, members carrying the paper supporting elements and having a pivotal connection with each other, and a counter balancing connection between the said members.

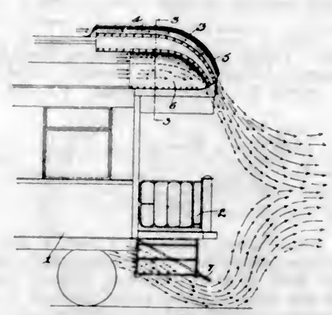
1,584,274. SPEED-CONTROL SYSTEM. CHARLES S BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,265. 35 Claims. (Cl. 246—63.)

35. Trackway equipment for enforcing speed restrictions through a block by suitable car-carried train control apparatus comprising, a trackway including the usual track rails, and a plurality of pairs of track elements spaced relatively close together at different distances apart and located outside of the track rails at



intervals in the block, one element only of each pair having a coil thereon closed in a deenergized circuit of low resistance when there are no trains in the block next in advance.

1,584,275. VACUUM BREAKER AND FLUID DEFLECTOR FOR VEHICLES. CURTIS R. CHALKLEY, Covington, Ky. Filed Nov. 30, 1925. Serial No. 72,283. 10 Claims. (Cl. 105—2.)

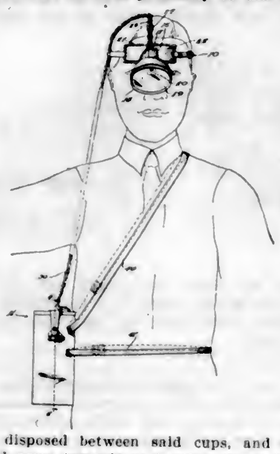


2. An apparatus of the character described, including a conventional vehicle having an open rear platform, a deflector adjacent the top and at the rear end of said vehicle, said deflector constructed to deflect a current of air downwardly and to the rear of said vehicle while the vehicle is in motion.

1,584,276. ELECTRIC HEADLIGHT. HARRINGTON M. COULTER, Shaftsbury, Vt. Filed July 12, 1924. Serial No. 725,568. 1 Claim. (Cl. 240—59.)

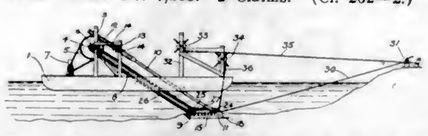
A headlight device comprising an elongated plate curved longitudinally to conform to the forehead, a casing for said plate formed of front and rear strips of greater dimensions than said plate and having their edge portions extending from the plate and joined together, said front strip being formed with an opening intermediate its length and width, a head encircling strap secured at one end to one end of said casing, a fastener connected with the other end of said casing and adapted for adjustable engagement with the free end of said strap to hold the strap tightly about the head, an upper strap for extending over the head having its forward end secured to said casing intermediate the ends of the casing and having its rear end provided with a loop to slidably receive said head encircling strap, a U-shaped bearing bracket secured to said plate within the opening of the front strip and having its arms projected forwardly from the plate and casing and terminating in

socket-forming cups, a lamp including a casing and a shank extending rearwardly from the casing and provided with a ball in close proximity to the casing, said



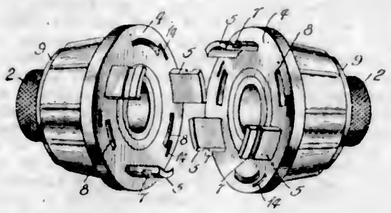
ball being disposed between said cups, and means for moving said arms towards each other for tight gripping of the ball between the cups.

1,584,277. GOLD DREDGE. JOSEPH STANLEY DEC, Vancouver, British Columbia, Canada. Filed Feb. 5, 1925. Serial No. 7,138. 2 Claims. (Cl. 262—2.)



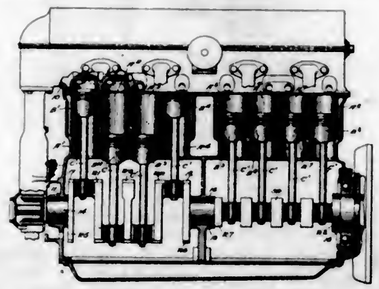
1. A dredge bucket comprising a float, a pair of supporting arms having their upper ends pivotally supported on said float, a shaft extending between the lower ends of said arms, a dredge bucket provided at one end with bearings receiving said shaft therethrough, a second shaft mounted in bearings at the opposite ends of said bucket, a second pair of supporting arms having their lower ends attached to said second shaft and their upper ends mounted on the float for pivotal and sliding movement, an endless rake carried by said shafts, a screened receptacle carried by the bucket beneath said rake, means for guiding material on to the screened portion of the receptacle, and means for actuating the rake shafts.

1,584,278. FIRE-HOSE COUPLING. ZOTIQUE DESSAINTS, Riviere du Loup en Bas, Quebec, Canada. Filed Sept. 24, 1925. Serial No. 58,400. 2 Claims. (Cl. 285—66.)



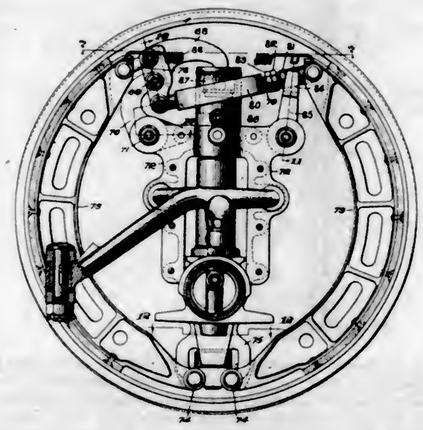
1. A coupling consisting of a pair of complementary members, each member comprising a sleeve adapted to be fitted over the end of a tube, a shoulder at the joining end of said sleeve, grooved tongues projecting from said shoulder, slots formed in said shoulder intermediate said tongues, a collar rotatable around said sleeve, said collar having a notched face, keys projecting from said collar and adapted for reception in the grooved tongues of the complementary member, and pawls pivoted in said shoulder and adapted to lock against the notched face.

1,584,279. CRANK SHAFT FOR INTERNAL-COMBUSTION ENGINES. FREDERICK S. DUESENBERG, Indianapolis, Ind. Original application filed Feb. 11, 1921, Serial No. 444,082. Divided and this application filed Mar. 5, 1923. Serial No. 622,785. 4 Claims. (Cl. 74—38.)



1. A crank-shaft having eight crank-pins arranged in two groups of four, a plane containing the axes of the crank-pins of one group being perpendicular to a plane containing the axes of the crank-pins of the other group, and three main bearing portions only, one at each end and one intermediate said groups, the thickness of the crank cheeks increasing from one end of the crank-shaft toward the other.

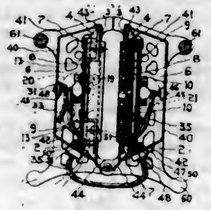
1,584,280. BRAKE. FREDERICK S. DUESENBERG, Indianapolis, Ind. Filed Nov. 13, 1923. Serial No. 674,467. 18 Claims. (Cl. 188—152.)



1. In a vehicle, the combination of a wheel; a steering knuckle on which said wheel is mounted to rotate; a pivot about whose axis said steering knuckle turns; and brake mechanism comprising a drum carried by said wheel, brake shoe means within said drum, presenting terminals movable toward and from each other, lever means actuating said terminals, and a lever actuating piston and cylinder axially aligned with and disposed externally of said pivot and within said drum.

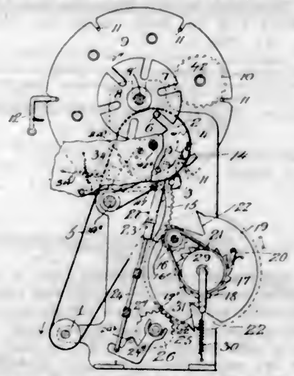
16. A brake mechanism comprising, in combination, a brake drum; brake shoe means presenting terminals; a support which holds said brake-shoe means against turning movement about the axis of said drum; a floating support mounted on the first mentioned support; a lever fulcrumed on said floating support and connected with one of said terminals; and a link connecting said lever to the other of said terminals.

1,584,281. ELECTRIC HEATER. JOSEPH S. DUMAS, Montreal, Quebec, Canada, assignor to William T. Donnelly, Montreal, Canada. Filed Aug. 25, 1923. Serial No. 659,295. 6 Claims. (Cl. 219—37.)



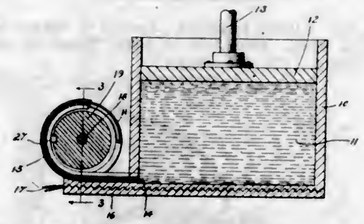
4. A combination electric stove and heater consisting of two parts hinged together each part comprising a pair of side plates, a combined side and top plate secured to and connecting together the said side plates, the last mentioned plate having a middle opening; a pair of flanged segments secured to the underside of the last mentioned plate and coinciding with the opening therein; a heat insulating disc or plate covering the space enclosed by the segments thus forming a chamber; a refractor containing a heating element carried within the chamber, the refractor carrying a pair of binding posts and the insulating disc being cut away to expose the same; electrical connections between the heating element and the binding posts; means securing the refractor in place; means housing the sub-chamber and means for connecting the elements of the respective refractors to source of electric supply.

1,584,282. MUSIC-ROLL-FEED MECHANISM. JONATHAN O. FOWLER, New York, N. Y., assignor to George Messig, Brooklyn, N. Y. Filed Mar. 14, 1921. Serial No. 452,206. 30 Claims. (Cl. 84—12.)



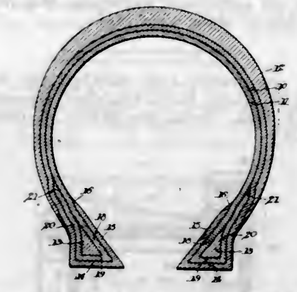
1. In combination, a rotatable roll carrier adapted to contain a plurality of music-rolls, a take-up roll, means for driving the take-up roll and each of the music-rolls consecutively to respectively wind and unwind each of said pairs of rolls, both members of each of said pairs of rolls being driven concurrently throughout their entire operation, and automatic means for advancing the roll carrier.

1,584,283. EYEGLASS-RIM-FORMING MACHINE. FRANK FRASER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 15, 1923. Serial No. 662,903. 2 Claims. (Cl. 18—12.)



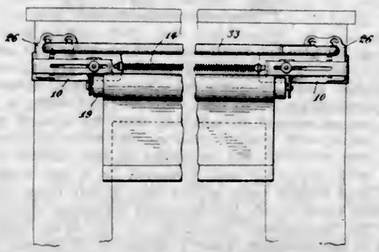
1. A machine of the class described, comprising a receptacle, an outlet therefor having a cross section of desired configuration, a sleeve associated with said outlet, extending outwardly and then circularly, a mandrel mounted centrally of the circular portion of the sleeve an extending outwardly away therefrom, means to revolve the mandrel, and pressure means within the receptacle to force the contents of the receptacle through the outlet along the sleeve and to wind the same on the mandrel as it is rotated.

1,584,284. TIRE CASING. HANS E. GRABAU, New York, N. Y., assignor, by mesne assignments, to Alfred A. Glidden, Watertown, Mass. Filed Nov. 4, 1919. Serial No. 335,575. 4 Claims. (Cl. 152—13.)



1. A pneumatic tire casing including beads and a plurality of layers of strain resisting material, two of said layers extending around each of the beads in opposite directions and up the side walls to points above the beads, thereby anchoring the layers and reinforcing the side walls adjacent the beads.

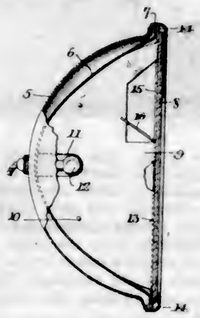
1,584,285. CURTAIN FIXTURE. NICHOLAS GUGLIUZZI, Ansonia, Conn. Filed Jan. 15, 1926. Serial No. 81,487. 5 Claims. (Cl. 156—23.)



1. In a curtain fixture; a body member having a base portion, a head portion at one end, a guard plate integral with the base portion and separated therefrom between

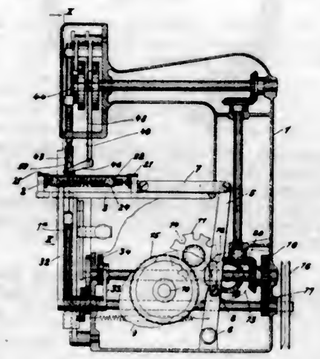
its ends by an open space; a curtain plate separably connected with the body member, having an opening therein; and a support plug projecting through the opening and thereby having a separable engagement with the curtain plate.

1,584,286. LIGHT DIMMER. LESTER G. GULDE, Minneapolis, Minn. Filed July 13, 1925. Serial No. 43,260. 5 Claims. (Cl. 240—48.4.)



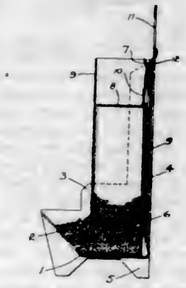
5. In a device of the character described, a body portion adapted to be fitted in a headlight casing, to divide the headlight casing into lateral spaces, said body portion having a cut out portion to accommodate the lamp of the headlight, and adjustable means within the last mentioned cut out portion and cooperating with the lamp of the headlight to deflect light rays.

1,584,287. MACHINE FOR SEWING ON BUTTONS. ARTHUR HAENICKE, Berlin-Tempelhof, Germany. Filed Sept. 23, 1925. Serial No. 58,170. 3 Claims. (Cl. 112—110.)



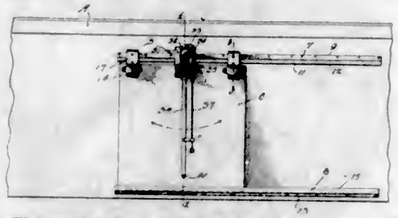
3. A machine for sewing buttons on to cards, consisting in the combination of a machine frame, a displaceable slide, a guide on the machine frame for the displaceable slide, side walls on said slide, a bearing surface secured to said side walls for a card, covering ledges with guiding grooves for the card, a swinging lever with one end supported in the machine frame and with the other end connected by a rod with one side wall of the slide, a cam disc driven from a main driving shaft by an intermittently advanced star wheel for the intermittent movement of the slide with the card in one direction, a shaft journalled in the side walls of the slide, wheels with sharp edged teeth rigidly connected with said shaft for moving the card in a direction perpendicular to the direction of movement of the slide, a long pinion freely rotatable and slidable on the said shaft, a toothed sector engaging with said pinion in every position of the slide, driven by a cam disc and having a swinging movement, clutch members on the wheels with sharp edged teeth for the moving of the card, clutch members on the ends of the pinion, a spring device normally holding the pinion in a central position out of engagement with the clutch members on the wheels with the sharp edged teeth, and means for coupling the pinion with one of said wheels with sharp edged teeth in each of the end positions of the slide, a sleeve shaped holding device over the slide for securing the edge of the button, an eccentric arrahgement for raising and lowering the holding device, a stop margin outside the displaceable slide as a storage place for the buttons, an oscillatably supported feeding arm for taking a button away from the stop margin and bringing a button under said holding device, a cam for moving said feeding arm, and a sewing device under the slide for sewing the button on to the card.

1,584,288. MATCH SAFE. CARL HAMMERGREN, Vancouver, British Columbia, Canada. Filed Aug. 4, 1924. Serial No. 730,030. 5 Claims. (Cl. 206—31.)



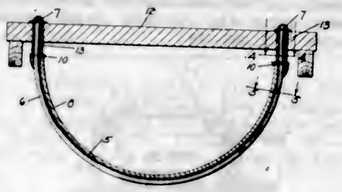
1. A match safe comprising a match receiving tray, a tongue extending vertically from the tray adapted for insertion between the match box and the match box cover, and means upon the tongue for holding the lower end of the match box in contact with the tray.

1,584,289. SLIDING DOOR. HANS HANSEN, Marshfield, Oreg. Filed Aug. 19, 1924. Serial No. 732,975. 3 Claims. (Cl. 268—6.)



2. The combination with a sliding door, a supporting track therefor having a rack bar formed thereon, and supporting roller brackets carried by the door engaging the track, means for opening and closing the door embodying a main supporting bracket, a shaft rotatably carried by the supporting bracket, an operating pinion keyed to the shaft engaging the rack bar, a depending lever having a head formed on the upper end thereof rotatably mounted upon the shaft, a toothed wheel connected with the shaft, a double ended dog connected to the head with one tooth thereof disposed on each side of the toothed wheel, means engaging the dog for normally holding the desired tooth in engagement with the tooth wheel, and means for rocking the dog.

1,584,290. FLUME CONSTRUCTION. RUDD HARDESTY, Denver, Colo. Filed Apr. 11, 1925. Serial No. 22,319. 5 Claims. (Cl. 61—15.)

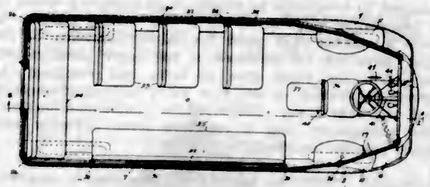


1. In a structure of the character described, the combination with a flume and beams having openings for the support thereof, of bushings in the openings, flume-supporting rods extending through the bushings, flume-securing shoes on the rods, engaging the lower ends of the bushings, flange-members at the upper ends of the bushings, resting on the beams, and nuts on the rods, bearing upon the bushings.

1,584,291. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio. Filed Dec. 6, 1923. Serial No. 678,810. 1 Claim. (Cl. 48—205.)

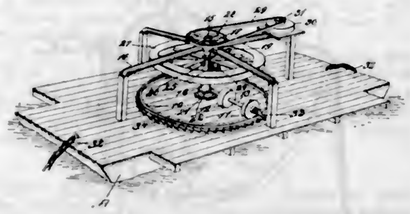
A gaseous fuel particularly useful for the cutting of metal and consisting essentially of a mixture of water gas with the vapor of ether in proportions of from not materially less than 2½ to not materially more than 5 parts by volume of the ether vapor, to from not materially more than 97½ to not materially less than 95 parts by volume of the water gas.

1,584,292. MOTOR BUS. RALPH M. HAWN, Cleveland, Ohio, assignor of one-half to Albert M. Allen, Cleveland, Ohio. Filed Apr. 8, 1922. Serial No. 550,651. 12 Claims. (Cl. 296—28.)



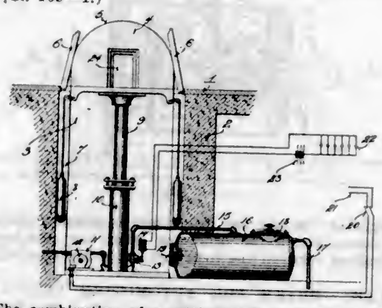
1. In a vehicle of the character described, the combination with a main frame, of fender members secured to the corners and constituting extensions thereof, whereon the body of the vehicle may be supported.

1,584,293. WAVE MOTOR. FRANCIS HEGENBARTH, St. Louis, Mo. Filed Feb. 12, 1925. Serial No. 8,645. 8 Claims. (Cl. 185—30.)



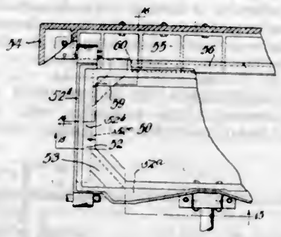
1. A wave-motor comprising a buoyant carrier; a vertical driven shaft; a horizontal actuating shaft having ratchet-and-pawl connection with said driven shaft; and a wheel carried by said actuating shaft.

1,584,294. DISAPPEARING SAFE. HENRY W. HEISE, Racine, Wis., assignor of one-third to Joseph A. Johnson and one-third to Henry J. Scharf, both of Racine, Wis. Filed Oct. 17, 1925. Serial No. 63,073. 1 Claim. (Cl. 109—1.)



The combination of a setting, a floor extending across the top of such setting, said setting having a cavity therein, a pair of heavy doors adapted to close the upper end of said cavity and forming a continuation of said floor, a safe adapted to move into and out of said cavity and to elevate and lower said doors, a hydraulic cylinder mounted within said cavity, a piston mounted in said cylinder and connected to said safe, and mechanism for controlling motion of said piston, a discharge tank having one end projecting through said setting into said cavity, a manhole formed in said tank and opening into said cavity, a closure for said manhole, a pipe connecting the discharge valve with said tank, and an overflow pipe leading from the upper portion of said tank.

1,584,295. HOPPER CONSTRUCTION. LEIGH P. HOFF, Cleveland, Ohio, assignor, by mesne assignments, to Frank H. Dunbar. Filed Mar. 21, 1921. Serial No. 454,320. 4 Claims. (Cl. 110—171.)

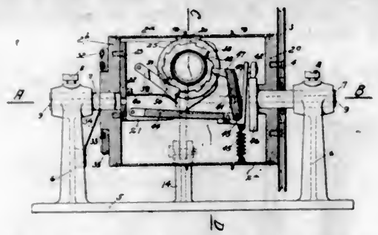


1. A door, for a hopper having a bottom opening, provided with open top liquid collecting and carrying troughs formed integrally along its rear end and opposite sides, and in substantially the same horizontal plane therewith, covered passages extending at angles from the said end trough to the said side troughs for conducting liquid from the end trough to the side troughs, covered passages extending inwardly at angles to the said troughs at the front end of the door for discharging liquid from the side troughs, axle carrying bosses at either end of the door in substantial alignment with the said side troughs, and door supporting rollers on the said axles.

1,584,296. METHOD OF AND APPARATUS FOR PRINTING INDEXING SYMBOLS ON FILMS. WILHELM HOHMANN, Delitzsch Bezirk Halle, Germany, assignor to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Filed Aug. 2, 1924. Serial No. 729,815. 17 Claims. (Cl. 95—1.1.)

1. Apparatus for photographically printing symbols upon a film, comprising a drum having an exposure opening

in its cylindrical wall, means for maintaining a film in frictional contact with a portion of the drum surface,

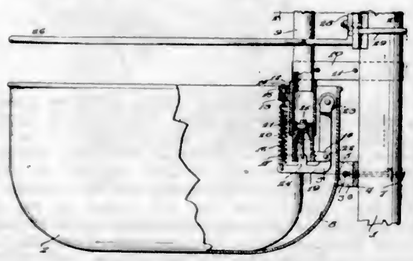


a source of light in the drum, means defining symbols and means within the drum for selectively positioning the symbols between the light and the exposure opening.

1,584,297. BRAKE FOR AUTOMOTIVE VEHICLES. WARREN T. HUNT, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 17, 1924. Serial No. 686,807. 5 Claims. (Cl. 188—140.)

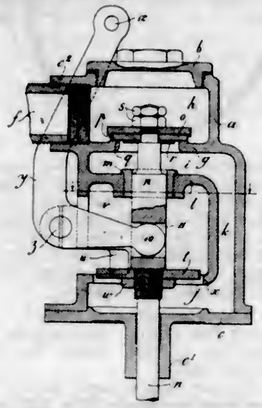
1. In a brake mechanism for automobiles, the combination with a running gear including a frame and front and rear wheels and axles, of separate brakes and brake drums for each of the front and rear wheels, external brake bands for each of the rear wheel drums, disks fixed to the rear axle adjacent said drums, slotted brackets attached to the disks for supporting the brake bands and allowing a limited circumferential movement thereof, and means whereby the circumferential movement of the rear brake bands actuates the front wheel brakes when the rear brakes are applied.

1,584,298. DRINKING CUP OR TROUGH FOR ANIMALS. JOSEPH A. JACON, Sawyer, Wis. Filed Nov. 5, 1925. Serial No. 67,051. 4 Claims. (Cl. 119—81.)



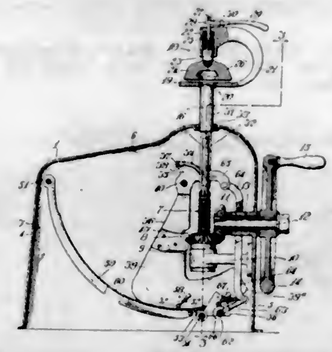
1. A stock watering trough comprising a pivoted receptacle, a fixed supply pipe, a downwardly closing valve within the delivery end of the supply pipe for controlling the flow of water therethrough, an L-shaped lever pivoted to the supply pipe adjacent the juncture of its arms and having one arm disposed vertically and in engagement with the rear wall of the receptacle above its pivot support, and having its other arm extending horizontally across the supply pipe and connected to the said valve, and a spring between the forward end of the horizontal arm and the supply pipe to move the lever in a counter direction to the receptacle.

1,584,299. TRIP VALVE FOR USE WITH THE AIR BRAKES OF RAILWAY VEHICLES. ARTHUR DAVID JENKINS, ERNEST TELFORD BROOK, WILLIAM SHERRIFFS DAVIDSON and PERCIVAL FREDERIC BRITTAIN, London, England. Filed Aug. 29, 1924. Serial No. 734,979. 3 Claims. (Cl. 303—18.)



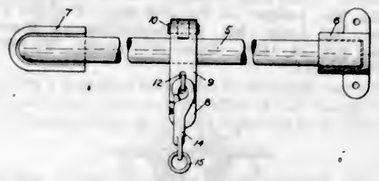
1. An automatic trip valve for use with the compressed air brakes of railway vehicles, comprising a casing divided by a transverse web into an upper valve chamber in communication with the brake pipe and a lower chamber having a controlled exit to the atmosphere, a valve stem arranged in said casing, a disc valve at the upper end of the stem co-operating with a seating in the upper valve chamber and adapted when the valve is tripped by the operating mechanism to admit air under pressure from the upper chamber to the lower chamber, a second disc valve or baffle on the said valve stem adapted to co-operate by means of its periphery fitting in a non-sealing relation within a surrounding annulus in such a manner that upon the initial operation of the first valve the air admitted to the lower chamber will act upon the valve disc or baffle and complete the opening operation of the first valve and simultaneously put the said lower chamber into communication with the atmosphere, and a resetting lever engaging said valve spindle intermediate its length.

1,584,300. TESTING MACHINE. WALTER A. JOHNSON and RUDOLF HUECKLER, Three Rivers, Mich. Filed Aug. 14, 1925. Serial No. 50,252. 15 Claims. (Cl. 265—17.)



1. A machine of the kind described embodying therein, paper holding means, a movable constant resistance member, a plunger operatively connected to said resistance member for imparting movement thereto and against which the paper is moved by said holding means, an indicator device associated with said resistance member, and means for releasably holding said resistance member upon the breaking of the plunger through the paper.

1,584,301. FASTENING DEVICE FOR GUN TOOLS. BRYAN P. JOYCE, Davenport, Iowa, assignor to Thomas A. Conlon, Silver Spring, Md. Filed Sept. 6, 1923. Serial No. 661,270. 2 Claims. (Cl. 224—29.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fastening device for a gun tool, embodying a pair of sockets adapted to receive the ends of said tool, one of said sockets entirely enclosing the end of said tool and the other socket being open to permit ready removal and placement of said tool, a rest intermediate said sockets, a retaining member, adapted to secure said tool in position on said rest, hinged at one end to said rest and provided at its other end with an opening, an eye on said rest adapted to pass through said opening and fastening means co-operating with said eye to retain said hinged member in position with respect to said rest.

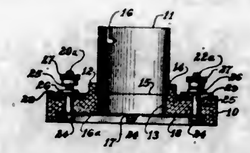
1,584,302. PLANT PROTECTOR. TSUNESHICHI KAKIUCHI, El Centro, Calif. Filed July 29, 1925. Serial No. 46,843. 5 Claims. (Cl. 47—28.)

1. A plant protector comprising a wall formed from rice straws, binding cords securing the straws together, said wall being arranged in the form of a cone, flaps comprising a cover for an opening in the side of the wall, and a cord laced into contiguous edges of the flaps, said rice straws having their bottom extremities bent outwardly and covered with sand and soil.

3. A plant protector comprising a conical wall consisting of rice straws and adapted to have an open or closed apex, and a single cord adjacent to the apex and adapted to secure the straws in the closed position of the wall, said rice straws having their bottom extremities bent outwardly.

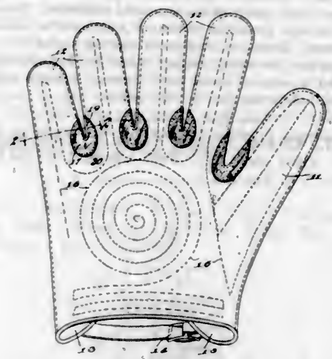
1,584,303. RADIO TUBE SOCKET. WARREN F. KAYNOR, Waterbury, Conn., assignor to Waterbury Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 18, 1924. Serial No. 744,356. 7 Claims. (Cl. 173—328.)

1. In a socket for radio tubes, a base of thermoplastic material, a binding post passing through said base and embedded in said material, and means for shielding said material from the softening effect of a source of heat,



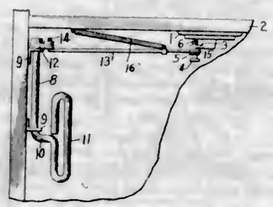
whereby said binding post will be prevented from loosening in said socket.

1,584,304. PROTECTING GLOVE FOR PLAYING HANDBALL. BERT KENNEDY, Gloversville, N. Y. Filed May 22, 1924. Serial No. 715,153. 2 Claims. (Cl. 2—16.)



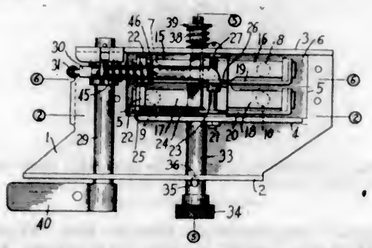
1. A protecting glove for playing handball having palm, finger and thumb portions, and approximately circular, radially slitted reinforcing pieces stitched flatwise to the outer face of the palm portion and the inner ends of the finger and thumb portions around the crotches between the inner ends of the finger and the thumb portions the slits registering with the crotches, the stitching being adjacent the periphery of the said reinforcing pieces.

1,584,305. OPERATING DEVICE FOR AUTOMOBILE HEADLIGHT SWITCHES. JOHN ELDY KENNEDY, Dayton, Ohio, assignor of one-half to Clarence E. Morford, Dayton, Ohio. Filed Apr. 25, 1923. Serial No. 634,530. 5 Claims. (Cl. 74—39.)



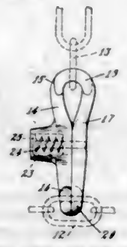
1. An operating mechanism for a headlight switch comprising an operating device, means for pivotally mounting said operating device on the side wall of the body of an automobile, means for operatively connecting said operating device with said switch and yieldable means acting on said operating device to restore the same to its initial position.

1,584,306. SWITCH FOR ELECTRIC CIRCUITS. JOHN E. KENNEDY and CLARENCE E. MORFORD, Dayton, Ohio. Filed Aug. 20, 1923. Serial No. 658,312. 21 Claims. (Cl. 200—5.)



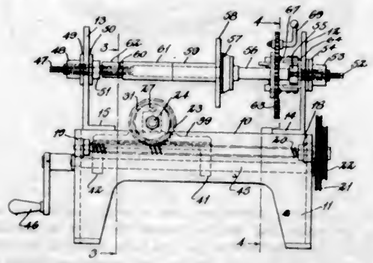
5. In a device of the character described, a plurality of contact members, a corresponding plurality of movable contact members held normally out of engagement with the first mentioned contact members, two independent levers pivotally mounted adjacent to said movable contact members and each having parts to engage the respective movable contact members and actuate the same, and means to cause said levers to move either in unison or relatively one to the other.

1,584,307. CHAIN HOOK. FRANK B. KING, Wakefield, Mass. Filed Sept. 17, 1925. Serial No. 56,849. 1 Claim. (Cl. 24—234.)



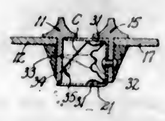
A securing device for anti-skid chains, comprising two elongated members each having open hooks at its opposite ends, a hinge pintle fixed to one of said members and slidable in the other member, and a spring interposed between a head on the pintle and an abutment on one member, and normally holding the members in contact with each other, the hooks forming eyes arranged in different planes, one eye being divisible by a swinging movement, and the other by a sliding movement.

1,584,308. GEAR-CUTTING MACHINE. EDWARD KONIK, New York, N. Y. Filed Feb. 10, 1925. Serial No. 8,203. 1 Claim. (Cl. 90—3.)



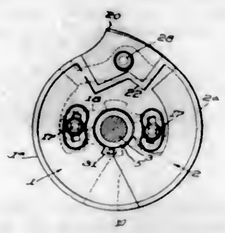
In a gear cutter of the class described, a base, pairs of standards having longitudinal, vertical slots on said base, a head and tail stock adapted to be adjusted in vertical direction in the slots of said standards, means for locking said parts in their respective adjusted positions, a work-piece holder held between said head and tail stocks, a U-member having a horizontal slot, a work-piece holder having a shaft passing with one of its ends through the slot in said U-member, means for locking the parts in their adjusted position, a gear wheel on said shaft adjacent to said U-element, a means carried by said U-element and adapted to be engaged by said gear wheel allowing a determination of the number and depth of the teeth to be cut in the work piece or blank, and means for cutting gear teeth in said blank.

1,584,309. WEATHER STRIP. ALFRED M. LANE, St. Louis, Mo., assignor to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 26, 1924. Serial No. 752,309. 14 Claims. (Cl. 20—69.)



1. The combination of a frame member and a closure member mounted therein, of a one-piece weather strip arranged between the meeting edges of said members, one of said members having a channel adapted to receive said strip, said strip being adapted to frictionally engage both sides of said channel and the adjacent face of the other member.

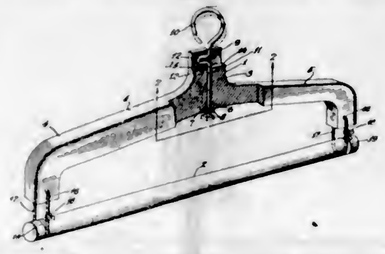
1,584,310. CAM FOR LOOMS. JULIUS EDWARD MCCARVEY, Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 16, 1925. Serial No. 69,216. 11 Claims. (Cl. 74—1.)



6. A picker cam for looms, comprising two separate cam sections that overlap each other, a removable cam nose adapted to be secured to overlapping portions of the cam sections, and a bolt that passes thru the cam nose and the overlapping portions to secure the three parts of the cam together.

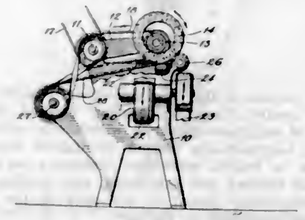
1,584,311. COAT HANGER. JOHN T. MCKENNA, New York, N. Y. Filed July 9, 1925. Serial No. 42,365. 1 Claim. (Cl. 223—62.)

A coat hanger having a central portion provided with laterally extending arms and having a vertical passage therethrough terminating at its top and bottom in upper and lower slots formed in the central portion, a hook having a threaded shank provided with an off set, said shank extending downwardly through the passage and the off set being positioned in and locked against rotation by the upper slot of the central portion, a nut on the shank and seated against rotation in the lower



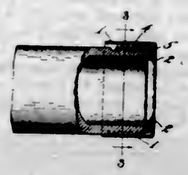
slot, and a key piece positioned in the upper slot between the base of said slot and the offset of the shank, to preclude disengagement of the nut from the lower slot.

1,584,312. CORK-TUBE-SLICING MACHINE. CHARLES E. MCMANUS, New York, N. Y. Filed June 27, 1925. Serial No. 40,124. 6 Claims. (Cl. 164—35.)



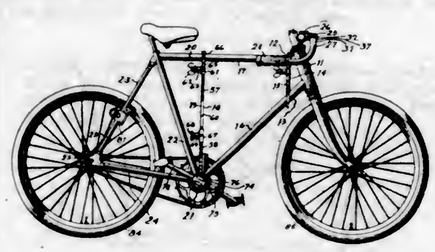
1. A cork tube slicing machine embodying therein a cutting edge, means parallel with said cutting edge and spaced away therefrom so as to engage the exterior of a composition cork tube, a rotatable member extending substantially parallel with said cutting edge and said support and adapted to enter the opening of, and engage, the tube, means whereby said member may have movement substantially radially of the tube and toward said cutting edge, and means for rotating said member.

1,584,313. THREAD PROTECTOR. BONNIE L. MALLORY, Cleveland, Ohio. Filed Apr. 1, 1920. Serial No. 370,403. 4 Claims. (Cl. 137—91.)



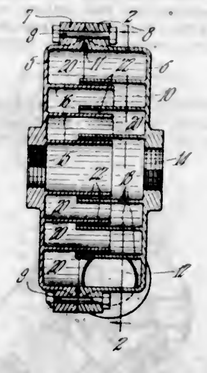
1. A thread protector comprising a cylindrical shell having one of its ends turned inwardly upon itself to provide a double wall flange, and a threaded segment inside the shell and having an inwardly directed end flange embraced between the walls of the former flange while the body portion of the segment bears at its end adjacent the flange on the cylindrical wall of the shell thereby to be held securely in place.

1,584,314. FOLDING BICYCLE. FUFAJIRO MAMIYA, Los Angeles, Calif. Filed Aug. 14, 1924. Serial No. 731,993. 3 Claims. (Cl. 208—105.)



1. In a folding bicycle, the combination with an articulate frame including a forward, a central, and a rear section, of co-acting hinge elements forming the end portions of each section, a pintle member connecting the hinge elements on one side thereof, knuckle members on the opposite side of the hinge elements, sliding bolt members mounted in the said knuckle members, slides fixedly connected to the sliding bolt members, and locking elements for securing the slides and sliding bolts in operative position to lock the hinge elements together in the open position of the frame members.

1,584,315. SILENCER. HIRAM PERCY MAXIM, Hartford, Conn. Filed Jan. 2, 1923. Serial No. 610,200. 6 Claims. (Cl. 137—160.)

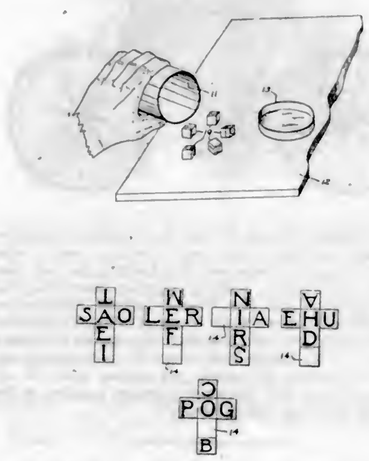


1. In a silencer of the type wherein a series of concentric expansion chambers are interconnected to afford a continuous passageway for a sound propagating medium, a cylindrical casing, a plurality of spaced annular ribs projecting from the inner face of each end wall of said casing to subdivide the latter to form said chambers, the ribs carried by one end wall having their free extremities overlapping and spaced from the free extremities of corresponding ribs carried by the other end wall to provide a series of coaxial annular passageways interconnecting said chambers which passageways are substantially narrower than said expansion chambers.

1,584,316. EDUCATIONAL GAME. RALPH MAYHEW, New York, N. Y. Filed Sept. 10, 1925. Serial No. 55,482. 2 Claims. (Cl. 273—146.)

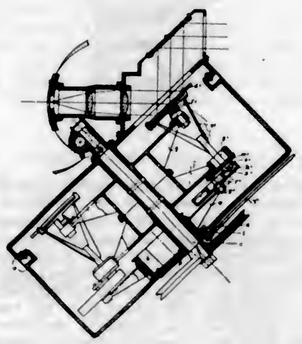
1. A game comprising a set of dice-like playing pieces five in number, one face of two of said pieces each bearing a vowel, two faces of one other piece each

bearing a vowel, three faces of another piece each bearing a vowel, four faces of the fifth piece each bearing a vowel, a majority of said pieces each having a blank



face, and the remaining faces of all said pieces each bearing a consonant, the said letters being selected in accordance with the well known frequency of their occurrence in words composed of five letters.

1,584,317. MOTION-PICTURE APPARATUS. EMIL MECHAU, Rastatt, Germany. Filed Aug. 30, 1922. Serial No. 585,275. 11 Claims. (Cl. 88—16.8.)



1. In a motion picture apparatus including a continuously moving picture band, reflecting elements, an axis, holders for the reflecting elements, universally movable joints for connecting said holders to said axis, means for rotating said holders about a common axis, and means for guiding each holder outside its joint in a constant straight direction.

1,584,318. SOLDERING IRON. FRED MORGAN, Chicago, Ill. Filed Jan. 22, 1923. Serial No. 614,159. 13 Claims. (Cl. 219—26.)

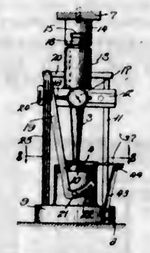
1. In a device of the class described, a metallic head having a cavity therein, a heating element consisting of a bar of resistance material within said cavity, said bar being longitudinally slotted throughout the greater portion of its length, refractory insulating material between said element and said head, and leading in conductors electrically joined to the ends of the portions of said bar separated by the slot.

1,584,319. SCRAPER. MATSUO OKI, Van Nuys, Calif. Filed Apr. 6, 1925. Serial No. 21,163. 3 Claims. (Cl. 145—47.)

3. In a scraper, a blade-holder consisting of hingedly connected members between which a scraping blade can be firmly held and means for firmly holding the hingedly connected members clamped together, a handle embodying means for connecting with the hinge of the blade-holder and means to extend to a point over the hingedly connected blade-holder, and yielding means between the handle and the holder.

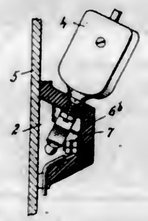
1,584,320. METHOD AND APPARATUS FOR TESTING MATERIALS. JAMES W. OWENS, Cradock, Va., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Feb. 3, 1920, Serial No. 356,064. Divided and this application filed Aug. 19, 1921. Serial No. 493,537. 9 Claims. (Cl. 265—12.)

1. The method of testing the strength of finished structures which comprises cutting out a ring-shaped test piece of predetermined cross-sectional area therefrom, inserting a tapering plug into said test piece and applying measured pressure to said plug to force the same into



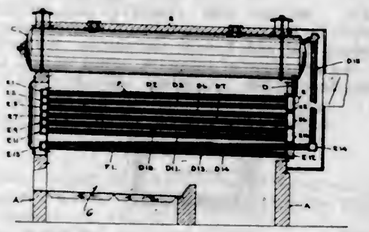
the ring in a direction substantially perpendicular to the plane of the ring and set up tensile stresses therein substantially throughout its cross-sectional area.

1,584,321. SPRING JACK. LOUIS G. PACENT, Winfield, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,597. 1 Claim. (Cl. 179—91.)



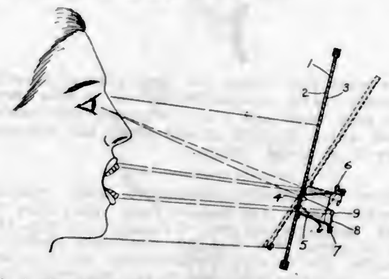
A switching device comprising a base of insulating material adapted to be mounted on a panel, said base having a substantially trapeziform cross section and recessed on the side thereof which is intended to be placed against the panel, a plurality of sets of jack springs secured to said base and disposed within the recess therein, said base having a plurality of apertures having center lines extending at an angle to the surface of the panel on which the base is adapted to be mounted, said apertures corresponding in number to the said sets of jack springs, each of said apertures being individually associated with one of said sets of jack springs and so disposed as to permit the insertion therethrough of a connecting plug whereby the plug can be operatively engaged with the respectively associated set of jack springs.

1,584,322. STEAM BOILER. JOHN C. PARKER, Philadelphia, Pa. Filed July 29, 1922. Serial No. 578,306. 7 Claims. (Cl. 122—258.)



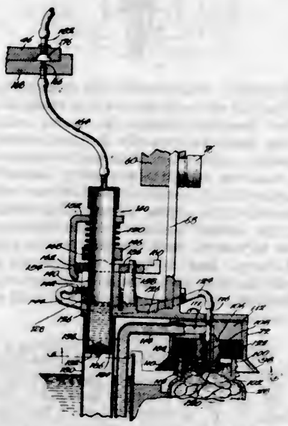
2. In a downflow steam boiler, the combination with a steam and water drum, of a water circulating and steam generating element having a set of serially arranged tubes forming a plurality of vertical rows and comprising oppositely inclined bottom tubes each forming the lowermost tube of a vertical row, a down-flow tube connecting said drum with an upper tube of said element, and an up-flow tube connecting said drum with the higher end of one of said bottom tubes.

1,584,323. VISUALIZING DEVICE. GEORGE RALEIGH PRICE and FRANCIS TILDEN RICHARDSON, Vancouver, British Columbia, Canada. Filed May 5, 1925. Serial No. 28,174. 3 Claims. (Cl. 35—17.)



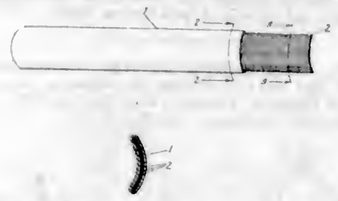
1. A visualizing device comprising a reflecting surface having an aperture approximating the outline of an article adapted for personal wear to be displayed and means for supporting the article whereby the article appears in its appointed position on the image of the person as reflected upon the reflecting surface.

1,584,324. VACUUM BOTTLE FILLER. ARTHUR I. RISSER, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1923. Serial No. 633,931. 3 Claims. (Cl. 226—116.)



1. In a bottle filling machine, a reciprocable filling head, a vacuum conduit adapted to be placed in communication through said filling head with a bottle to draw air therefrom, another conduit adapted to be placed in communication with a source of liquid supply and with the bottle whereby liquid will flow into the bottle when air is drawn therefrom, a hollow member included in said vacuum conduit forming a trap for excess liquid flowing into the bottle and drawn into said vacuum conduit, said member having an outlet opening and a valve for controlling the same, means normally maintaining said valve closed with respect to said outlet opening, and means whereby said valve is opened by movement of said filling head in one direction.

1,584,325. SPARK-PLUG-CLEANING IMPLEMENT. WILSON S. SAUNDERS, Kalamazoo, Mich. Filed July 8, 1922. Serial No. 573,532. 1 Claim. (Cl. 15—104.01.)

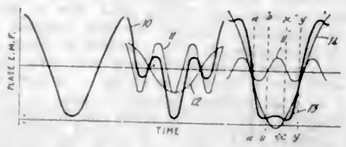


In a spark plug cleaner, the combination of a handle of arcuate curved cross-section formed of sheet metal folded upon itself, and a row of spring wire bristles clamped within the folds of said handle and supported thereby in an arcuate relation.

1,584,326. AUTOMATIC REFILLING LEAD PENCIL. HISASHI SASAKI, Los Angeles, Calif. Filed June 25, 1923. Serial No. 647,620. 7 Claims. (Cl. 120—18.)

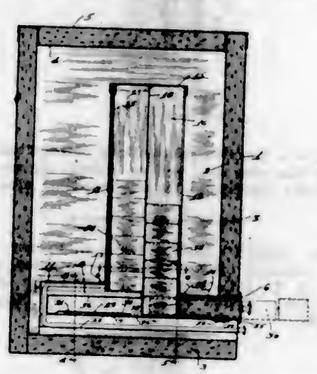
7. In automatic lead pencil, the combination with a casing having an aperture in one end thereof, of a magazine hopper mounted within the casing and having a lead ejecting aperture normally in offset position relative to the casing aperture, a follower arranged to impel the leads from the magazine hopper, a manually operated screw mechanism to actuate the follower with its impelling movement, a spring arranged to return the follower to its initial position, a rib element arranged within the hopper to feed the lead refills into the path of the follower, and a spring to actuate the hopper to maintain the said rib element in its working position, and to maintain the hopper aperture in off-set relation with the casing aperture.

1,584,327. ELECTRIC-WAVE TRANSMISSION SYSTEM. JOHN C. SCHELLENG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,826. 16 Claims. (Cl. 79—171.)



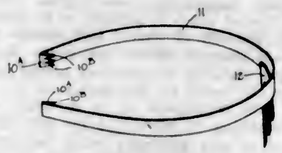
1. In a modulating system, a wave distorting device having input and output circuits, means for impressing waves of fundamental frequency on said input circuit, and means in said output circuit for variably impeding currents of multiple frequency resulting in said output circuit.

1,584,328. REFRIGERATING DISPENSING DEVICE. FRED C. SHELTERS and MORRIS BOGIN, Chicago, Ill. Filed May 1, 1922. Serial No. 557,571. Renewed Feb. 3, 1926. 3 Claims. (Cl. 211—8.)



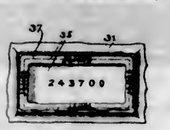
1. A refrigerator, comprising an outer receptacle, a casing within and spaced from the walls thereof, an article container removably disposed in said casing, a closed tray pocket beneath and forming a support for said casing and spaced from the side walls and bottom of the receptacle, and means in said pocket for removing articles from said article container.

1,584,329. HAIRDRESS. LUDWIG SKARUDA, Riverside, Ill. Filed Aug. 3 1925. Serial No. 47,698. 3 Claims. (Cl. 132—46.)



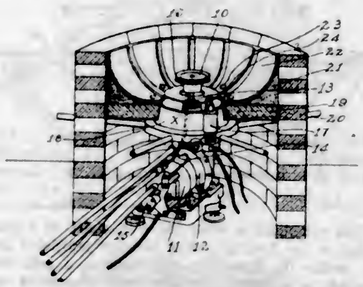
1. A hairdress comprising an arcuate band of flexible material, the ends of said band being bent inwardly to afford a hook engagement in the wearer's hair, the terminals of said bent ends having each a plurality of teeth thereon, and a comb-like section intermediate said ends and having a plurality of teeth depending below said band.

1,584,330. MEANS FOR IDENTIFYING DEVICES. GEORGE C. SNYDER, New York, N. Y., assignor to Standard Seal and Number Corporation, Wilmington, Del., a Corporation of Delaware. Filed Aug. 7, 1922. Serial No. 580,193. 2 Claims. (Cl. 40—2.2.)



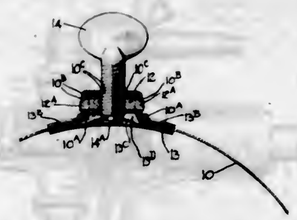
1. Means for identifying a motor-driven vehicle, comprising a metal plate permanently sealed to a rigid member of the vehicle, visual distinguishing indicia integral with the surface of the plate and constituting inherent portions of the metal of the plate, and other visual, significant, indicia formed of another metal permanently adhering to the plate and sealed to the said rigid member, and said other indicia being of different configuration from, and enclosing aforesaid indicia, whereby the removal of the plate from the rigid member involves the mutilation of one of said metals or the rigid member.

1,584,331. SECTIONAL IMPERVIOUS HEARTH FOR FUEL BURNERS. JOHN SQUIRES, Detroit, Mich., assignor to Economies Research Company, Havana, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,056. 4 Claims, (Cl. 158—4.)



1. In a fuel burning device, comprising a rotary atomizer adapted to project an atomized fuel mixture into a zone of ignition, a combustion hearth composed of non-combustible material surrounding said atomizer, and a plurality of overlapping metal sections conforming to the hearth, said sections being fashioned to provide a drain for the condensed fuel mixture upon failure of combustion conditions during burner activity.

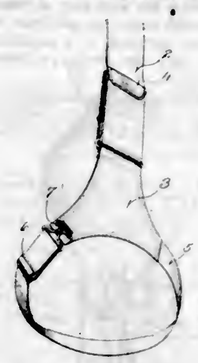
1,584,332. CLAMP. BENJAMIN A. TETALAFF, Berwyn, Ill. Filed Aug. 16, 1924. Serial No. 732,352. 10 Claims. (Cl. 24—19.)



1. In a clamp for connecting two telescoping members, the combination of a single flexible band of flat material adapted to embrace said telescoping members, said band having overlapping ends, a nut held between a bent portion of said overlapping ends, and a rotatable screw member extending through said ends of said band and through said nut and having threaded engagement with said nut for causing radial displacement of said nut with respect to the members to be clamped.

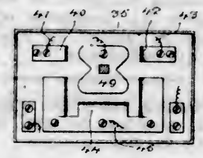
1,584,333. GARTER. KATHERINE A. THOMPSON, Milwaukee, Wis. Filed Sept. 12, 1924. Serial No. 737,359. 1 Claim. (Cl. 241—1.)

The combination of a corset, and a pair of garter devices, each garter device comprising a single strap secured to the rear of the corset at a point spaced a slight distance from the rear lower edge of the corset and extending downwardly directly rearwardly of the leg of the wearer, a substantially triangular attaching member having an upper corner secured to said strap, and a garter adapted to encircle the leg of



the wearer just below the knee and having its ends secured to the opposite lower ends of said triangular member with each end of said garter extending outwardly and downwardly from said triangular member.

1,584,334. ELECTRICAL SWITCH. GUSTAF K. TIMSER, Porterfield, Wis., assignor of one-third to Antone Homa, Porterfield, Wis. Filed July 14, 1923. Serial No. 651,663. 1 Claim. (Cl. 200—16.)



A controlling switch comprising a casing having a three-way slot therein, an operating arm having a shank mounted in the three-way slot and adapted to be selectively shifted into any of the slot branches, an enlarged contact shoe carried by said arm and movable therewith within the casing, and three contact members positioned within the casing, two of said contact members being arranged opposite each other and the third contact member being arranged laterally with respect to said first two contact members, said last mentioned contact member having projecting portions at its sides adapted to be engaged by said shoe when said shoe engages either of said first mentioned pair of contacts.

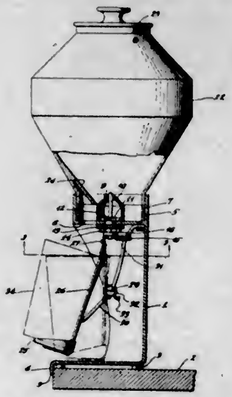
1,584,335. METHOD OF SPOTTING YARN. HENRY E. VAN NESS, Elmira, N. Y. Original application filed Apr. 3, 1923, Serial No. 629,633. Divided and this application filed Dec. 30, 1925. Serial No. 78,322. 5 Claims. (Cl. 8—5.)

1. A method of spotting a mass of yarn wound in a regular manner, which consists in injecting a limited quantity of dye into the mass from each of a series of points located along a surface of the mass at such distance from each other that the portions of the mass dyed by the injections at adjacent points join each other.

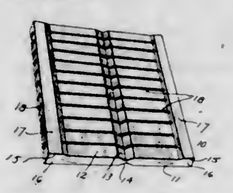
1,584,336. DISPENSING DEVICE. CLARENCE L. WALKER, Erie, Pa. Filed Jan. 7, 1926. Serial No. 79,720. 4 Claims. (Cl. 221—108.)

1. A dispensing device for pulverulent materials embodying a container for such material, a rotary barrel positioned below the container and provided with a plu-

rality of radially disposed measuring pockets into which the material from the container gravitates, a discharge passage, a tumbler supporting platform, means for suspending the platform for swinging movement on a horizontal axis positioned above the platform, means for normally impelling the platform in a position wherein it is out of alinement with the discharge passage, said platform being adapted to be forced into alinement with the discharge passage by the act of positioning a tumbler in alinement with said passage, and means operable when the platform is moved into alinement with the discharge passage, for rotating the barrel to bring the pockets thereof successively into cooperative relation with the discharge passage as tumblers are successively brought into alinement with said passage.

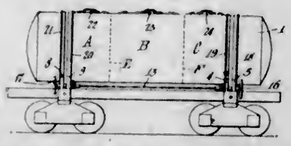


1,584,337. MULTIPLE TIE PLUG. CHARLES C. WARNE, Yonkers, N. Y. Filed Mar. 10, 1926. Serial No. 93,554. 6 Claims. (Cl. 20—93.)



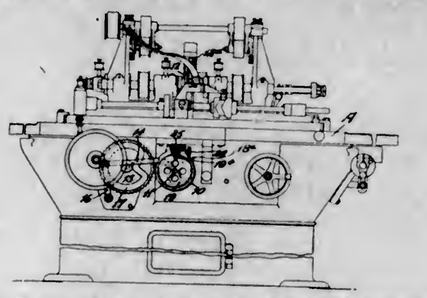
1. A unitary assemblage of railway tie plugs comprising a plurality of plugs formed in pairs of integral construction at the points of the plugs, said pairs of plugs being of integral construction side by side at the heads of the plugs and being separated from each other between said heads to facilitate splitting of one pair from an adjacent pair at said heads.

1,584,338. TANK CAR. RUDOLPH WELCKER, Springfield, Mass. Filed May 9, 1923. Serial No. 637,909. 7 Claims. (Cl. 105—247.)



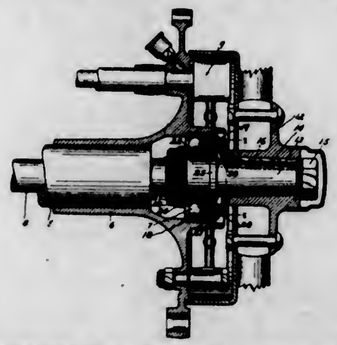
1. A tank car divided into several transverse compartments having openings and closures for the separate compartments, means to rotatably support the tank on the car, means on the car to rotate the tank in unloading operations with the opening in one compartment free to discharge its load while the closure remains over the opening in another compartment to retain its load.

1,584,339. ADJUSTABLE FEED WHEEL FOR GRINDING MACHINES. HENRY WERNECKE, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 9, 1924. Serial No. 725,014. 5 Claims. (Cl. 51—165.)



1. The combination with the feed shaft of a grinding machine or the like, of a feed member journaled on said shaft, means for actuating said member, a gear fixed to said shaft, a manually rotatable shaft journaled on said feed member and having a gear thereon intermeshing with the gear on said feed shaft, said manually rotatable shaft being arranged for swinging movement about a point adjacent to one end thereof, whereby the gear thereon is adapted to be swung into and out of engagement with the gear on said shaft.

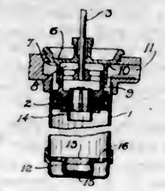
1,584,340. OIL RETAINER. CLYDE L. WHITE, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 2, 1922. Serial No. 585,841. 11 Claims. (Cl. 308—187.)



1. In combination, an axle having a shoulder, a support therefor, a bearing between said support and said axle, a felt washer carried by said support, a cooperating sleeve encircling said shoulder and running upon the inner periphery of said washer, and means for clamping said sleeve against the side of said shoulder.

1,584,341. LIQUID-DISPENSING PUMP AND THE LIKE. GILBERT H. WILLIAMS, Dayton, Ohio, assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Filed July 10, 1925. Serial No. 42,681. 7 Claims. (Cl. 103—178.)

1. A pump including in combination with a cylinder and a piston operable in the cylinder, a chamber formed in the head of the cylinder adapted to be filled with liquid on the work stroke of the piston, and means associated with the piston and coacting with said chamber to cause a cushioning action of the liquid therein on the piston as the same approaches completion of the stroke.



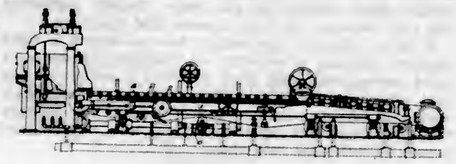
1,584,342. SHARPENING DEVICE. OLIVER S. WRIGHT, Masontown, Pa., assignor to Neptune Manufacturing Company, Masontown, Pa., a Corporation of Delaware. Filed Nov. 27, 1925. Serial No. 71,613. 9 Claims. (Cl. 76—87.)

1. A sharpening device of the character described comprising a multiplicity of freely-revolvable cutting discs, said discs having varied cutting edges and being graduated as to diameter so as to be capable of selective employment by changing the angle at which the article being sharpened is drawn relative to them.

1,584,343. STRIP SHINGLE. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Mar. 22, 1922. Serial No. 545,744. 1 Claim. (Cl. 108—8.)

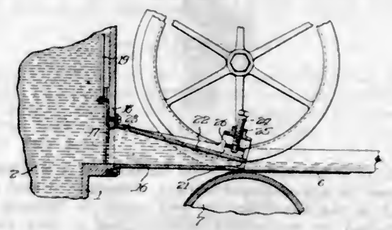
As a new article of manufacture, a shingle strip of a length equal to the combined widths of a plurality of interspaced individual shingles, said strip being composed of a fibrous base impregnated and coated with bituminous compositions and faced with mineral particles, and having straight parallel longitudinal edges, the lower edge being broken at regular intervals by mutually similar shaped recesses whose sides converge inwardly from said edge to a depth equal to substantially one-half the depth that the strip is intended to be exposed when laid, the upper longitudinal edge having a plurality of evenly spaced tabs similar in shape to the recesses, the body of the strip being marked at intervals corresponding to the width of an individual shingle with narrow bands of dark color, said bands extending upward from the inner ends of the recesses a distance not greater than the depth of said recesses, whereby, when a plurality of such strips are laid in overlapped relation the effect of the combined recesses and narrow dark bands simulates the appearance of interspaced individual shingles.

1,584,344. PAPER-MAKING MACHINE. ALONZO ALDRICH, Beloit, Wis. Filed Oct. 19, 1925. Serial No. 63,282. 8 Claims. (Cl. 92—44.)



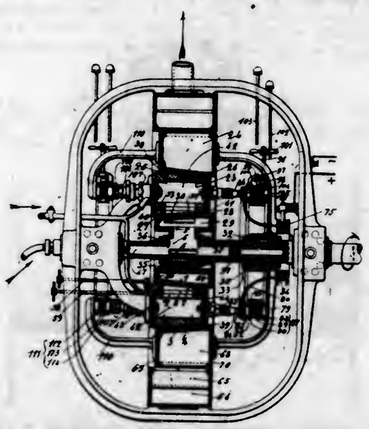
1. A Fourdrinier machine having a device operated by the wire and means whereby said device by its operation continually shifts the wire from side to side.

1,584,345. PAPER-MAKING MACHINE. ALONZO ALDRICH, Beloit, Wis. Filed May 14, 1921. Serial No. 469,553. 4 Claims. (Cl. 92—44.).



1. The combination with the table and head box, of a spout or nozzle extending from the box to the table and arranged to discharge material upon the wire, means for controlling the flow of material from the box to the spout and means for controlling the flow of material from the spout to the wire.

1,584,346. INTERNAL-COMBUSTION TURBINE. LUCIEN L. ARDIN, New York, N. Y. Filed May 23, 1922. Serial No. 563,015. 9 Claims. (Cl. 60—41.)

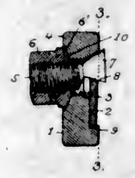


1. In an internal combustion turbine, having a fixed member carrying a plurality of explosion chambers, a rotor surrounding said fixed member, said rotor receiving the impulse from the explosions, said fixed member being provided with an external conical surface, and with a cylindrical portion at the base of the cone, said rotor being provided with a co-operating internal conical sur-

face, and with a cylindrical portion at the narrow end of the cone, each of said cylindrical portions carrying a ring and means for adjusting one of said members axially with relation to the other, thereby regulating the play between the fixed member and the rotor.

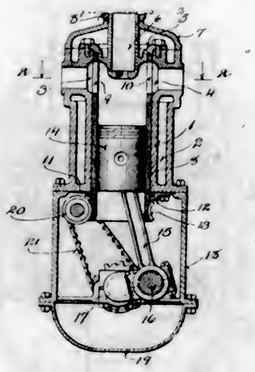
5. In an internal combustion turbine having a fixed member carrying a plurality of explosion chambers, a rotor surrounding said fixed member, a shaft carrying said rotor, air distributing means carried by said shaft within said fixed member, a pair of ported rings between the air distributing means and the fixed member and means for adjusting said rings.

1,584,347. TOOL HOLDER. LENNOX F. ARMSTRONG, Chicago, Ill., assignor to Armstrong Bros. Tool Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1925. Serial No. 25,242. 2 Claims. (Cl. 29—96.)



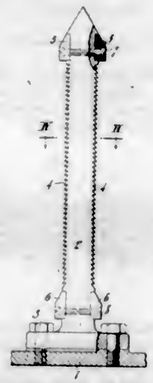
1. In a tool holder, a stock formed with a longitudinal recess in one side and with a transverse orifice adjacent to the upper part of said recess, a clamping bolt arranged in said orifice and carrying a fixed conical head on one end formed with a beveled bearing surface for contact with the upper edge of a cutter blade, and an operating nut engaging the end of the clamping bolt opposite to the end carrying the head aforesaid, the bearing face of the nut being of a sphero-convex form and the bearing face therefor in the stock being of a complementary concave form.

1,584,348. INTERNAL-COMBUSTION ENGINE. JOHN ASTROM, Fort Wayne, Ind. Filed Mar. 23, 1923. Serial No. 627,051. 1 Claim. (Cl. 123—190.)



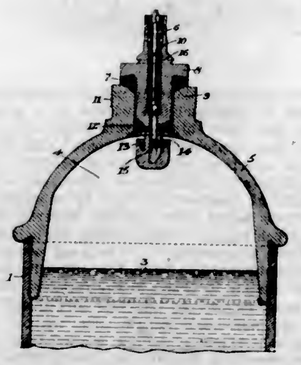
An internal combustion engine comprising a cylinder having inlet and exhaust ports, a sleeve revolubly mounted within said cylinder and extending to adjacent the upper end of said cylinder, a piston mounted within said sleeve, a crank shaft operatively coupled to said piston and said sleeve, and a cylinder head having a downwardly projecting portion accurately conforming in part to the upper end of said sleeve and having an outwardly extended flange adapted to be directly bolted to said cylinder adjacent the upper end of said sleeve, said cylinder head having a depressed well extending downwardly into said cylinder and having a threaded lower aperture adapted to receive a spark plug, whereby an inserted spark plug is positioned directly opposite said inlet and outlet ports, said well being surrounded by an outwardly projecting cylindrical shell provided with an externally threaded outer portion.

1,584,349. PACKER FINGER FOR SIGNATURE-DELIVERY MECHANISM. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,774. 11 Claims. (Cl. 101—420.)



1. A packer finger having a signature engaging face serrated to form a multiplicity of points arranged to engage the printed portion of the signature.

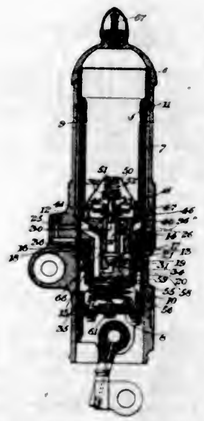
1,584,350. PNEUMATIC VALVE. EUGENE L. BEECHER, New Haven, Conn., assignor to The Westinghouse Air Spring Company, New Haven, Conn., a Corporation of Pennsylvania. Filed Apr. 8, 1924. Serial No. 704,912. 6 Claims. (Cl. 267—64.)



1. In combination with a cushioning container having reciprocating walls and sealing liquid therein, a pneumatic valve in one wall having an air passageway there-

through with a valve and seat therein, means for trapping and holding a portion of the sealing liquid in a position where it is movable against said seat by any air tending to lead outwardly to automatically effect the sealing of said valve at said seat against further movement of air outwardly therethrough.

1,584,351. AIR SPRING. EUGENE L. BEECHER, New Haven, Conn., assignor to The Westinghouse Air Spring Company, New Haven, Conn., a Corporation of Pennsylvania. Filed Sept. 6, 1924. Serial No. 736,313. 3 Claims. (Cl. 267—65.)



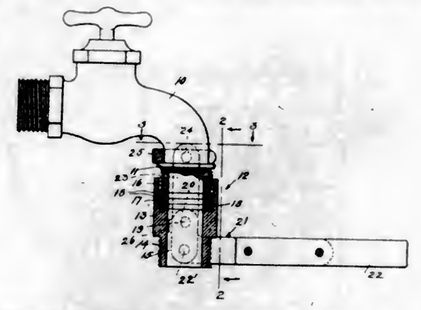
1. In an air spring comprising telescoping cylinders, one of which carries a plunger-head threaded to one of said cylinders with a cup washer thereabout extending toward the high pressure side, a chamber communicating from said head on the low pressure side of said washer to the interior of said cylinders, a pump plunger in a bore forming part of said chamber, a spring, a strap for holding said spring in position, the ends of said strap being locked between said head and the side of the cylinder to which it is threaded.

1,584,352. WHITE GOLD. DAVID BELAIS, New York, N. Y., assignor to David Belais, Incorporated, a Corporation of Delaware. Filed Apr. 30, 1921, Serial No. 465,776. Renewed Sept. 30, 1925. 4 Claims. (Cl. 75—1.)

1. As a composition of matter, a white gold alloy composed of a major part of gold, lesser proportions of nickel and zinc, and a very small proportion of manganese.

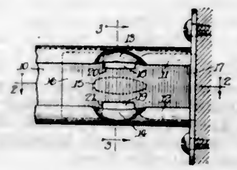
1,584,353. HOSE COUPLING. BENJAMIN F. BINGAMAN, Los Angeles, Calif. Filed Feb. 19, 1923. Serial No. 619,948. 1 Claim. (Cl. 285—171.)

In combination with a hydrant faucet having an annular shoulder formed on its discharge end, a coupling comprising a sleeve having an internally shouldered upper end, a gasket disposed in said sleeve and resting on the internal shoulder, the lower end of said sleeve being exteriorly threaded for the reception of a hose, a yoke member adapted to engage the annular shoulder of said faucet, a bell crank lever pivoted to said sleeve, a pair of links pivotally secured at their upper ends to said yoke and at their lower ends to said bell crank lever, and a pair of lugs formed on said bell crank lever for



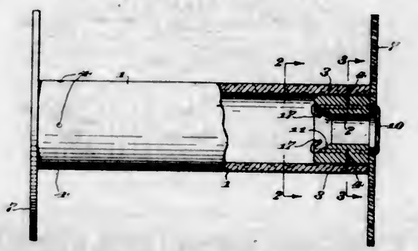
engaging the edges of said pivoted links, whereby to lock said lever in its adjusted position with respect to the faucet.

1,584,354. CURTAIN FIXTURE. JAMES H. BOYE, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1924. Serial No. 717,921. 4 Claims. (Cl. 156—22.)



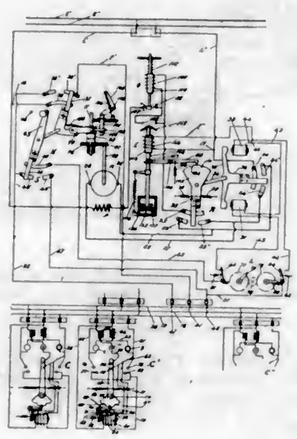
1. In a curtain fixture, the combination of a flat rod of resilient material formed with rearwardly and inwardly bent flanges on its upper and lower edges, portions of said flanges inwardly of each end of the rod being depressed toward the body of the rod, and a rod-supporting bracket arm telescoping within an end of said rod and formed with shoulders adapted to yieldably interlock behind said depressed portions of the flanges.

1,584,355. SPOOL. JAMES MORRIS BROWN, Philadelphia, Pa. Filed Aug. 13, 1923. Serial No. 657,256. 5 Claims. (Cl. 242—119.)



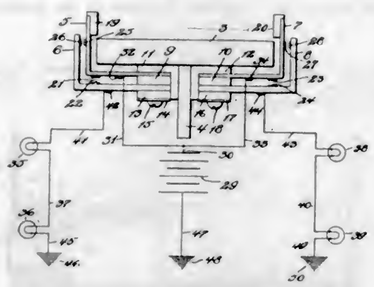
2. A spool, comprising a tubular member, sleeve-like members situated in the opposite end portions of the said tubular member, end sheets situated at the opposite ends of said tubular member, and staples arranged in parallel relation to each other, the opposite legs of each of which extend through said end sheets and interlock with the said sleeve members.

1,584,356. LIMIT CONTROL SYSTEM. EDWARD F. CHANDLER, Brooklyn, N. Y. Filed Mar. 18, 1924. Serial No. 700,074. 30 Claims. (Cl. 172—239.)



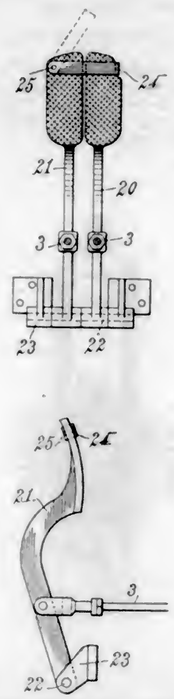
1. In apparatus of the class described, the combination, with an electric circuit, a motor, and an operating mechanism connected thereto of an overload coil inserted in said circuit, and means associated with said operating mechanism for rendering said coil inoperative at certain times, and operative at other times.

1,584,357. CIRCUIT CLOSER. OSCAR A. DANIELSON St. Louis, Mo. Filed July 9, 1924. Serial No. 724,942. 1 Claim. (Cl. 200—59.)



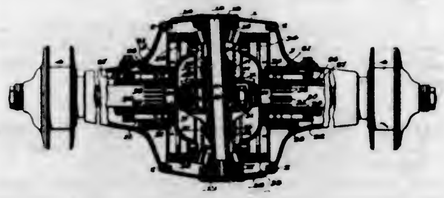
A circuit breaker comprising a treadle, a treadle rod, said treadle secured to said treadle rod, insulators secured to said treadle rod, spring switches secured to said insulators in spaced relationship, being positioned beneath and laterally relative said treadle and in spaced relationship with said treadle, contacts formed on the horizontal and vertical arms of said spring switches opposite each other and in spaced relationship with each other.

1,584,358. AUTOMOBILE BRAKE. ISAAC S. DEMENT, Dayton, Ohio. Filed Feb. 10, 1921. Serial No. 444,010. 5 Claims. (Cl. 188—16.)



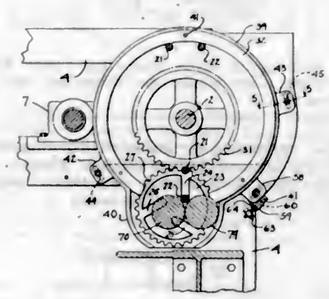
1. In an automobile, the combination with driving wheels, and a brake for each wheel, of a foot lever comprising two parts connected with the respective brakes and means for connecting said parts of said foot lever to cause them to move in unison.

1,584,359. AUTOMOBILE DRIVING GEAR. FRANK V. ELBERTZ, Detroit, Mich., assignor of one-half to B. F. Everitt Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 27, 1919. Serial No. 273,285. 3 Claims. (Cl. 74—99.)



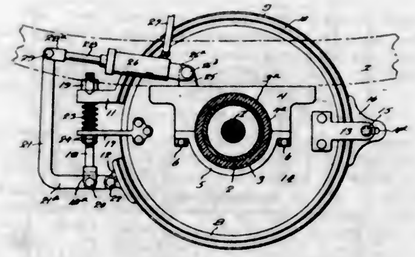
1. In an automobile driving gear, a pair of axially alined shafts, a pair of oppositely disposed beveled gears on the proximate end portions thereof, a differential gearing between the gears including a pair of take off pinions in axial alinement each in mesh with a beveled gear, and means for adjusting the gears axially into cooperative relation with the pinions, said means including an annular member adjustable relative to the gear housing, and a member adjustable relative to a bevel gear, said members both overlying the gear hub.

1,584,360. FOLDING MECHANISM. WILLIAM EVENSEN, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Mar. 16, 1923. Serial No. 625,578. 15 Claims. (Cl. 270—76.)



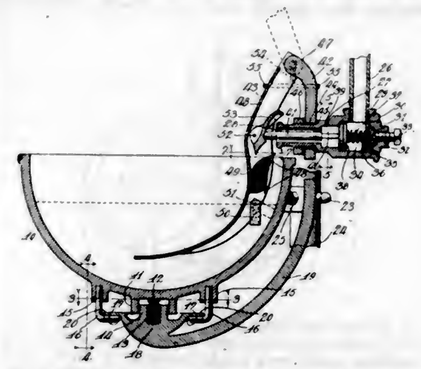
1. A rotary folding mechanism including in combination a rotary folding member, a rotary tucking blade carried thereby, a pair of cooperating folding rollers, an actuating cam for the tucking blade geared to operate with the rotary folding member, and means for positively varying the place of actuation of the cam relatively to a folding roller.

1,584,361. BRAKE SUPPORTING AND OPERATING MECHANISM. ALVIN S. FISHEL, Cleveland, Ohio. Filed Dec. 5, 1923. Serial No. 678,667. 1 Claim. (Cl. 188—152.)



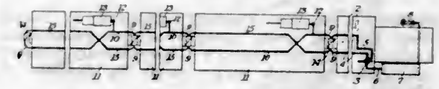
The combination, with an axle and a housing surrounding the same, of a brake drum, a brake band cooperating with said drum, a two part clamp fastened to and surrounding said housing, a cylinder pivotally mounted on said clamp, a piston rod extending from said cylinder, an angular lever connected at one end to said piston rod and at the opposite end to an end of said brake band, and a connection from the opposite end of said brake band and a point on said lever intermediate its ends.

1,584,362. DRINKING BOWL FOR ANIMALS. JEREMIAH C. FITZGERALD, Kilbourn, Wis. Filed Nov. 11, 1925. Serial No. 68,285. 7 Claims. (Cl. 119—75.)



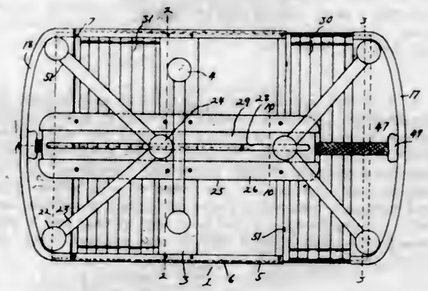
1. A drinking bowl for animals including in combination with a bowl, of a horizontally disposed and rotatable water-supplying-valve-casing having an opening in its wall for communication with a water-supply pipe, of means to support said valve adjacent said bowl.

1,584,363. METHOD OF OPERATING BRAKES. THOMAS M. FREEBLE, Rochester, Pa., assignor of one-half to Carl Schuster, Pittsburgh, Pa. Filed Mar. 25, 1925. Serial No. 18,129. 6 Claims. (Cl. 303—47.)



1. The method of operating a brake system on a train which comprises releasing the brakes sequentially from the rear of the train toward the front of the train, substantially as described.

1,584,364. TABLE. EMORY A. FULLER, Ann Arbor, Mich. Filed Oct. 16, 1922. Serial No. 594,922. 6 Claims. (Cl. 45—114.)

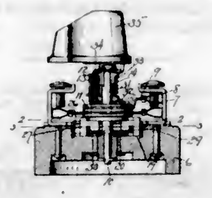


1. In an extension table, the combination with a fixed central frame and movable end frames having sliding connections with said center frames and adapted to be spaced therefrom, of top sections carried by said frames, a plurality of extension leaves adapted to be positioned between said top sections when said end frames are spaced from said center frame, stationary legs supporting said center frame, a longitudinally slotted plate secured to said center frame, and legs connected to said end frames and slidably mounted in the slot of said plate.

1,584,365. WIRE-LINE SPLICING NEEDLE. LEWIS L. FULLER, Vincent, Ohio. Filed Feb. 19, 1926. Serial No. 89,436. 3 Claims. (Cl. 117—6.)

1. A splicing needle including an elongated body portion pointed at one of its ends, said body portion having an opening formed centrally thereof, said opening adapted to accommodate a strand of a cable being spliced, and said needle having means adapted to engage an adjacent strand of the cable to guide the needle as it is being worked through the adjacent section of the cable.

1,584,366. ELECTRIC SWITCH. FREDERIC P. GATES, West Hartford, Conn., assignor to The Fuller-Gates Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 16, 1924. Serial No. 686,645. 5 Claims. (Cl. 200—66.)



1. A switch spindle, means carried by said spindle for conducting an electric current, a two-part sleeve mounted on said spindle, a spring mounted on said sleeve, a holding plate secured to one of said sleeve parts and having a holding finger projecting therefrom, a tensioning plate secured to the other of said sleeve parts and having a tensioning finger projecting therefrom, said fingers engaging opposite ends of said spring, and a knob loosely mounted on said spindle and engaged with said tensioning finger.

1,584,367. SNAP SWITCH. FREDERIC P. GATES, West Hartford, Conn., assignor to The Fuller-Gates Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 7, 1924. Serial No. 691,182. 12 Claims. (Cl. 200—72.)

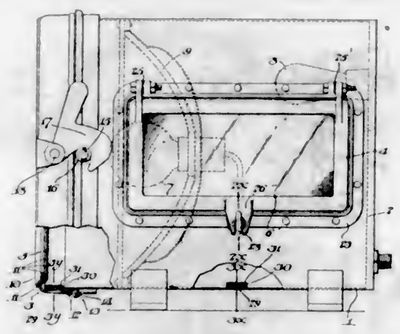
1. A switch including switch mechanism comprising a flat rectangularly shaped supporting frame formed from a single piece of sheet metal and including side pieces having integral bearing lugs projecting therefrom, a rocker frame located in the opening in said supporting frame and seated for rocking movement upon the bottom piece of said supporting frame, a switch blade supporting frame mounted upon said lugs, a spring con-

necting said switch blade supporting frame and said rocker frame, and means for actuating said rocker mechanism.

1,584,368. METHOD OF PREPARING PLATES FOR THE PRINTING OF IMPRESSIONS. EARL L. GEIGER, Dayton, Ohio. Filed Mar. 28, 1925. Serial No. 18,961. 10 Claims. (Cl. 101—401.)

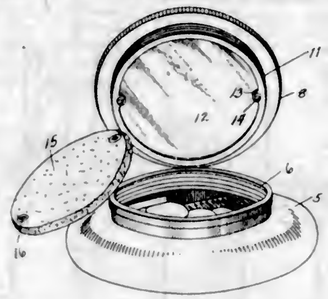
1. In a method of forming printing plates, imprinting in a yielding substance from a master plate, casting a plate from the imprinted substance, imprinting in bas-relief upon a fibrous substance under pressure, providing a frame around the margin of the fibrous substance, pouring metal within said frame on said fibrous substance and severing the plate so secured into multiple plates so that the desired configuration is imparted to the plate.

1,584,369. HEADLIGHT. HERBERT J. GRAHAM, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1923. Serial No. 637,965. 1 Claim. (Cl. 240—41.)



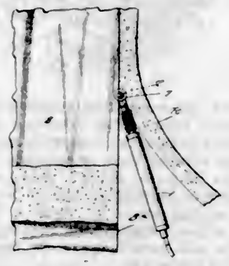
A headlight having in the bottom thereof an aperture, a body of fibrous filtering material (adapted for passing water from said case through said aperture and preventing the passage of dust) disposed within said case and said aperture, and a ring having thereon lugs for engaging it to said case and feet for engaging said material around said aperture.

1,584,370. RECEPTACLE. OSCAR GREEN, New York, N. Y. Filed Feb. 18, 1925. Serial No. 9,908. 2 Claims. (Cl. 150—5.)



1. A receptacle of the class described comprising a body formed of resilient material and having a restricted opening, a threaded ring crimped to the top of said body, a flanged, threaded closure, an inwardly extending flange on the bottom of said closure, a mirror retained by the said bottom flange, opposed fastener heads on the bottom flange and a mirror protecting pad having eyes for engaging the fastener heads.

1,584,371. METHOD OF SEVERING RUBBER. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 12, 1925. Serial No. 49,781. 4 Claims. (Cl. 18—50.)



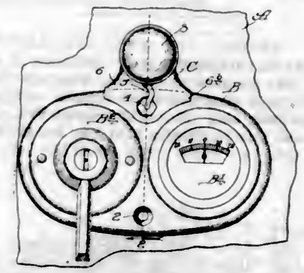
1. The hereindescribed method of cutting rubber which consists in pressing thereagainst at the point to be severed a relatively narrow severing element and maintaining said element at a temperature which will break down the rubber without burning the same.

1,584,372. METHOD OF PURIFICATION AND ISOLATION OF ANTHRAQUINONE BETA SULPHONIC ACID. IVAN GUBELMANN and ROBERT J. GOODRICH, South Milwaukee, Wis., assignors to The Newport Company, Carrollville, Wis., a Corporation of Delaware. Filed May 9, 1925. Serial No. 29,236. 6 Claims. (Cl. 260—57.)

1. The method of purifying impure anthraquinone beta sulphonic acid and its salts which consists in converting said acid and salts into the ammonium salt of the acid and isolating the ammonium salt.

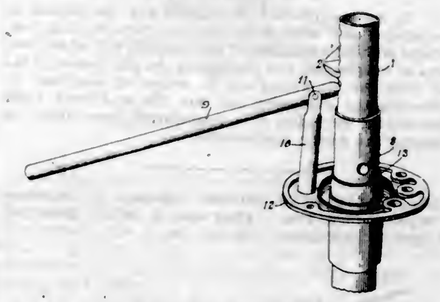
1,584,373. DASH LAMP. WOLFGANG HERMANN, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1926. Serial No. 81,753. 5 Claims. (Cl. 240—8.16.)

1. In means of the character set forth, the combination with a motor-vehicle dash and an instrument plate adjacent the front surface thereof provided with a perforation, of a dash-lamp associated with said instrument plate and having supporting means provided with a tubular member extending through said perforation



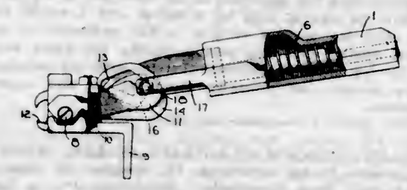
and secured to said dash, said dash-lamp having a conductor extending through said tubular member and connected with a terminal of an instrument mounted on said instrument plate.

1,584,374. TOOL. EDWARD F. HONIUS, North Manchester, Ind. Filed Dec. 29, 1924. Serial No. 758,620. 3 Claims. (Cl. 29—88.2.)



1. In a pulling tool of the character described, a member having a plurality of openings, means mounted in said member adapted to be held flush therewith or extended beyond it, whereby said member may be inserted in and locked to a device, and means for successively engaging the openings in said member to exert a pulling or lifting action on said member and the device locked thereto.

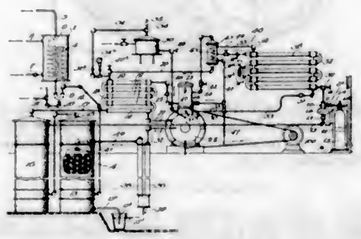
1,584,375. THREAD-CUTTING TEMPLE. WALTER C. HUDSON, Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 21, 1925. Serial No. 70,466. 6 Claims. (Cl. 139—303.)



1. In a loom, a temple stand, a temple head having a shank mounted to slide in the stand, a spring acting normally to slide the shank rearwardly in the stand, a pair of vertically movable cooperating shear cut-

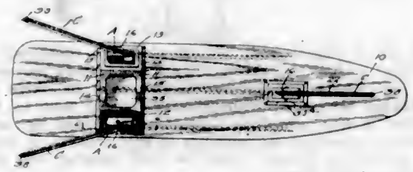
ters mounted in and projecting rearwardly of the head, and means for effecting the closing and opening movements of the shear cutters from the relative sliding movements of the stand and shank.

1,584,376. METHOD OF AND APPARATUS FOR LIQUEFYING CHLORINE GAS. WILLIAM M. JEWELL, Chicago, Ill., assignor to Chlorine Products Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 12, 1919, Serial No. 296,460. Divided and this application filed Feb. 11, 1921. Serial No. 444,187. 9 Claims. (Cl. 62—175.)



1. In the manufacture of liquefied gas, the method of condensing and discharging the gas into shipping containers without admixture of the gas with air, which consists in compressing and condensing the gas, removing the air from the containers and in evacuated condition introducing the condensed gas into the containers while maintaining the latter at a temperature lower than the liquefied gas during condensation.

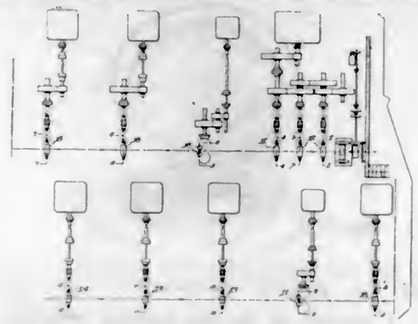
1,584,377. IRONING BOARD. ERNEST S. JOHNSON, Webster City, Iowa. Filed Mar. 5, 1923. Serial No. 622,825. 6 Claims. (Cl. 68—10.)



1. An ironing board of the class described including a board member, three leg members for supporting said board member each being capable of movement independently of the other, two of said leg members being projected outwardly and rearwardly from the board member when in operative position, a pair of socket members mounted upon the underside of the board and at an angle thereto for two of said leg members and a socket for the other leg member secured to the underside of the board member and said sockets having the upper ends of the leg members received therein, said leg members being loosely and pivotally connected to said socket members.

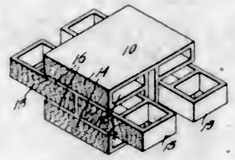
1,584,378. PROCESS OF ROLLING ANGLES. WILLIAM LARIMER JONES, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1923. Serial No. 661,699. 8 Claims. (Cl. 80—66.)

1. The process of rolling angle bars comprising reducing the thickness of the billet in roughing rolls, edging the blank thereby formed to narrow its width in rolls arranged at right angles to the roughing rolls, further reducing the thickness and forming a lengthwise rib on the blank, edging and centering the ribbed blank by rolls



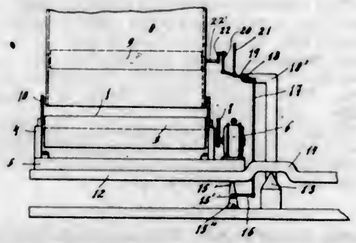
arranged at right angles to said rib forming rolls, and finishing the angle bar by bending it to cross-sectional shape along said rib.

1,584,379. HOLLOW TILE FOR BUILDING WALLS, ETC. JOHN C. KELLEY, West Terre Haute, Ind. Filed Nov. 14, 1925. Serial No. 69,155. 3 Claims. (Cl. 72—41.)



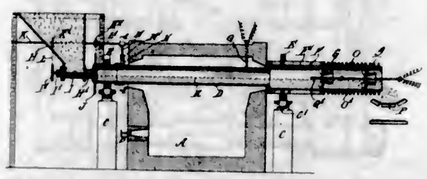
1. A hollow tile comprising a hollow body having integrally formed hollow arms extending outwardly therefrom in spaced substantially parallel relation and forming a recess between said arms slightly broader than the thickness of each of said arms, said hollow tile being adapted to be laid in end to end relation with other tile of like shape to form a wall with their recesses in alinement and with smaller tile inserted in said recesses and extending across the joints between the courses of larger tile.

1,584,380. WEIGHING DEVICE WITH CARRIER. CORNELIS ADRIAAN KRABBENDAM and PIETER HENDRIK LINN, Soerabaia, Java. Filed Jan. 7, 1925. Serial No. 950. 4 Claims. (Cl. 265—27.)



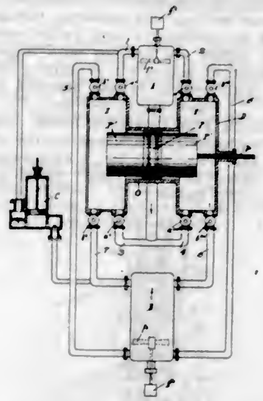
1. In a weighing device, the combination with a pivotally mounted scale beam, a driven conveyor carried on one side of said beam, a valved chute arranged to discharge onto said conveyor, and means for simultaneously opening the valve in said chute and for locking said beam in its inoperative position.

1,584,381. APPARATUS FOR CALCINING CRUDE LITHOPONE AND OTHER MATERIALS. AUGUST SONNIN KREBS, Wilmington, Del., assignor to Krebs Pigment & Chemical Company, Newport, Del., a Corporation of Delaware. Original application filed Apr. 14, 1923, Serial No. 632,045. Divided and this application filed June 21, 1924. Serial No. 721,436. 2 Claims. (Cl. 263—34.)



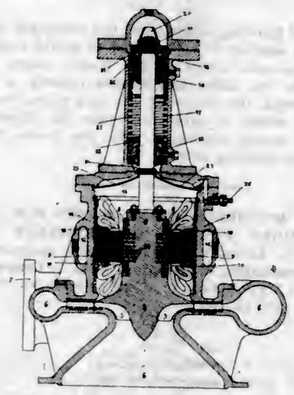
1. A furnace for calcining crude lithopone and other material having a horizontal rotatable tubular muffled chamber and means for feeding lithopone through said muffle chamber in combination with means for externally heating said muffle chamber located so as to apply heat to the front portion thereof but not to the rear portion adjacent the delivery orifice and a heat insulating cover for the rear unheated end of the muffle tube.

1,584,382. MACHINE FOR AND METHOD OF REFRIGERATING. CHARLES LÉONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblancvickers, Paris, France. Filed Sept. 22, 1921. Serial No. 502,508. 13 Claims. (Cl. 62—136.)



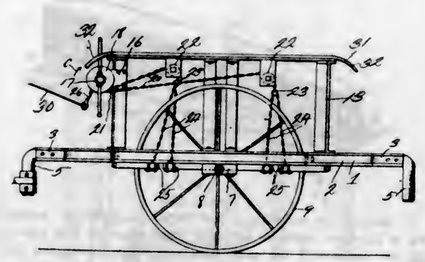
1. A method of refrigerating which consists in compressing a body of gas of relatively high temperature received from a refrigerator to effect a still further rise in the temperature thereof, circulating the gas under pressure through a cooling device, by causing its displacement by a second body of gas at the same pressure and at a lower temperature received from said cooling device, expanding the second body of gas to cause a further lowering in the temperature thereof, delivering said second body of gas to the refrigerator by causing its displacement by a third body of gas received from the refrigerator, compressing the third body of gas, circulating the same through the cooling device by causing its displacement by means of the first mentioned body of gas received from said cooling device, expanding said first mentioned body of gas to cause a further lowering of the temperature thereof, and circulating said first mentioned body of gas relatively cold through said refrigerator by causing its displacement by said second body of gas received from said refrigerator.

1,584,383. HIGH-SPEED ELECTRIC MACHINE. CHARLES LÉONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblancvickers, Paris, France. Filed Mar. 21, 1922. Serial No. 545,467. 5 Claims. (Cl. 290—52.)



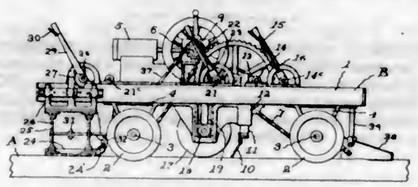
1. A high speed machine, including in combination a flexible shaft, a metallic mass suspended from said flexible shaft and so constructed and arranged as to constitute both the rotor of an electric machine and a rotor of a single wheel rotary machine, said rotors being contiguous and in alignment and a single casing enclosing said rotors.

1,584,384. BOTTOM-DUMP TRAILER. ELISHA G. LEDYARD, Sioux Falls, S. Dak. Filed July 11, 1923. Serial No. 650,841. 1 Claim. (Cl. 298—5.)



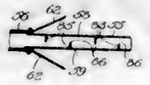
The combination with the body of a dump trailer having a transversely disposed axle beneath the body, a sleeve mounted on said axle and in which the axle rotates, and supporting wheels for the axle, of inner and outer hinged bottom sections carried by the body, the inner hinged sections being hingedly mounted on the sleeve of the axle, the outer sections being hingedly connected at their outer sides at points spaced outwardly from the ends of the body and means for controlling said hinged bottom sections.

1,584,385. CONCRETE-ROAD-FINISHING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Sept. 15, 1921. Serial No. 500,824. 2 Claims. (Cl. 94—46.)



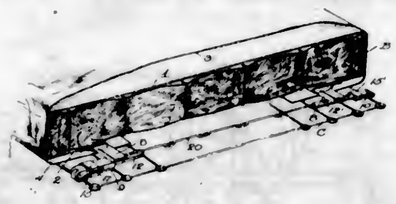
1. A road finishing machine of the character described, including a wheeled frame adapted to travel over a road, vertically movable slides on the frame, levers pivotally connected to the slides and carried thereby, a finishing belt connecting the levers of the two slides, means for moving the slides to raise and lower the finishing belt, and power means connected with the levers for reciprocating the finishing belt.

1,584,386. METHOD AND APPARATUS FOR PRODUCING BODIES FORMED OF SEPARATE FIBERS. HARVEY B. LINDSAY, Oakland, Calif., assignor to Dry Zero Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 12, 1925. Serial No. 1,827. 24 Claims. (Cl. 19—65.)



1. The method of causing fibers entrained in air currents to become positioned at an angle to the flow of the air currents, which consists in producing cylindrical eddying of the air currents in the general direction of the flow of the latter.

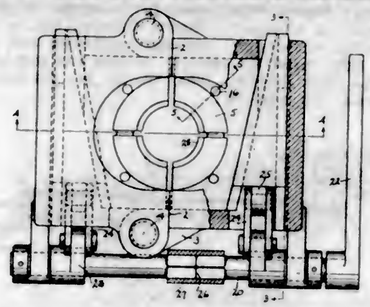
1,584,387. MEANS FOR RETAINING BEDCLOTHES. CYNTHIA P. LITTLEJOHN, New Orleans, La. Filed Oct. 31, 1925. Serial No. 65,955. 5 Claims. (Cl. 5—320.)



1. Means for holding a bed cover in position, comprising a member carried by each side edge of the cover, a lug on each end of said members, bars mounted on a bed spring and extending transversely beneath said members, and a plurality of apertures extending through each said bars, each said apertures being adapted to receive a lug on one of said members, whereby to detachably connect the bars and members each to each, substantially as described.

1,584,388. PIPE-ENGAGING SLIP. GERALD R. LIVERGOOD, Houston, Tex. Filed July 12, 1924. Serial No. 725,607. 9 Claims. (Cl. 24—263.)

1. In a device of the character described, a housing having a central vertical opening therethrough, a plurality of pipe engaging slips on opposite sides of said opening, slip engaging blocks slidable in said housing, a

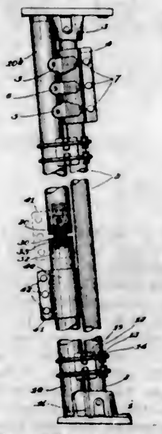


resilient connection between said blocks and said slips and means in said housing to move said blocks and slips toward and away from said opening.

1,584,389. SHOCK ABSORBER. GEORGE LUKENS, East St. Louis, Ill. Filed June 19, 1925. Serial No. 38,350. 5 Claims. (Cl. 267—67.)

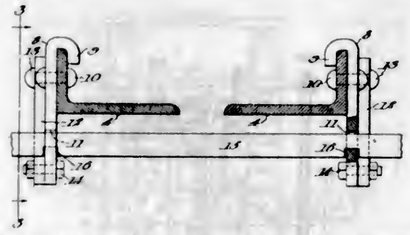
2. In a device of the character described, a front section and a rear section, bolts extending through the adjacent ends of the sections, a turn buckle operating over the bolts to adjust the sections with respect to each other, and resilient means for permitting movement of one section with respect to the adjacent section.

1,584,390. JACK FOR DERRICK LEGS. JOHN D. MCEWEN, Pittsburgh, Pa., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1924. Serial No. 756,955. 5 Claims. (Cl. 189—13.)



4. The combination with a sectional leg for derricks of a jack screw having a fixed head adapted to engage one end of a leg section, and a rotatable nut adapted to engage the end of an adjacent leg section.

1,584,391. BRAKE-BEAM SAFETY DEVICE. PAUL MADDOX and CLEON M. HANNAFORD, Richmond, Va. Filed Jan. 14, 1925. Serial No. 2,326. 2 Claims. (Cl. 188—210.)

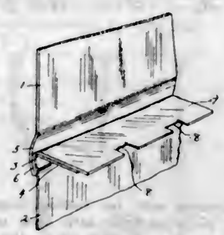


1. A brake beam safety device, applicable to any usual or approved truck, having hangers provided with open notches extending inwardly therein, and safety bars of greater width than the depth of said notches and themselves notched to permit the bars to be moved bodily and laterally into the notches in the hangers and the notches in the hangers and bars interengaged, and means to lock the bars in the notched hangers and movable to permit the bodily movement of the supporting bars into and out of the notched hangers.

1,584,392. HONEYCOMB-DECAPPING KNIFE. GEORGE W. MARKLE, Brantford, and ERNEST C. HARDIE, Burford Township, Brant County, Ontario, Canada, assignors to Ruddy Manufacturing Company, Limited, Brantford, Canada. Filed Dec. 9, 1924. Serial No. 754,865. 7 Claims. (Cl. 6—12.)

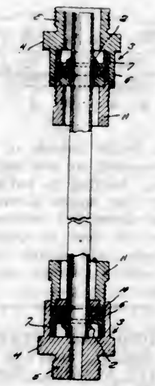
1. A honeycomb decapping knife, comprising, a hollow blade, a handle, a conduit separate from the blade extending through the interior thereof for delivering a fluid heating medium at the point end of the blade, and means for conducting the return fluid from the base of the blade.

1,584,393. PANEL JOINT. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 29, 1924. Serial No. 740,592. 1 Claim. (Cl. 296—30.)



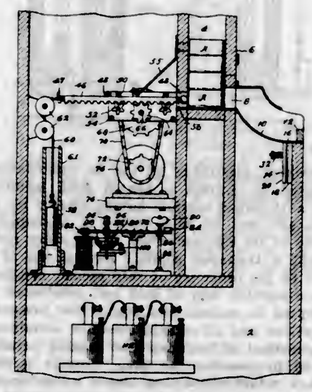
A wall structure for vehicle bodies comprising two sheet metal panels, one panel having an outwardly projecting longitudinally extending arcuate-shaped embossed portion and a close return-bent portion at the free edge of the embossed portion, said return-bent portion curving outwardly to approximately the median line of the embossed portion and terminating in an inwardly extending lateral flange, the other panel having an outwardly projecting longitudinally extending embossed portion nesting within the outwardly curved return-bent portion of the first mentioned panel and terminating in an inwardly extending lateral flange of the first mentioned panel and terminating short of the inner edge thereof, and tongues struck from the first flange bent around the inner edge of the second flange, binding the two flanges together and holding the embossed portion of the second panel against displacement from the return-bent portion of the second panel against displacement from the return-bent portion of the first mentioned panel.

1,584,394. GAUGE GLASS. JOHN P. MUNLEY, Archbald, Pa. Filed Sept. 24, 1925. Serial No. 58,315. 1 Claim. (Cl. 285—167.)



In a structure of the class described, a glass tube provided with an external shoulder, a fitting into which said shouldered end of the tube extends, said fitting comprising a body including a central wrench engaging portion, an internal shoulder, a screw threaded nipple extending from the wrench engaging portion on one side, a flange extending from said portion on the opposite side, a cup-shaped washer arranged in said fitting and resting on said shoulder and cooperable with the shoulder on said tube, a compressible packing ring resting upon said washer, and a packing gland threaded into said flange, and adapted to compress the packing against said washer.

1,584,395. VENDING MACHINE. RICHARD J. NICHOLS, Kansas City, Kans. Filed Feb. 20, 1922. Serial No. 537,816. 6 Claims. (Cl. 194—7.)



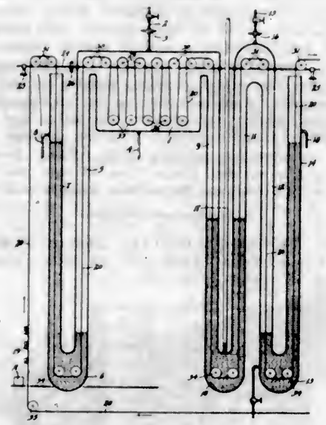
1. In a vending machine, dispensing mechanism, an electric motor for advancing said dispensing mechanism, a normally open motor circuit, a coin-controlled circuit for closing said motor circuit, a normally open third cir-

cuit which on being closed interrupts said coin-controlled circuit and thereby causes interruption of the motor circuit, a fixed contact connected to said third circuit, and a contact controlled by the dispensing mechanism for engaging said fixed contact and thereby closing said third circuit.

1,584,396. NEST. JOSEPH J. OWENS and MICHAEL OWENS, Mimico Beach, Ontario, Canada. Filed July 15, 1925. Serial No. 43,678. 5 Claims. (Cl. 119—49.)

1. In a nest, a frame having an opening therein; a door hingedly connected at one side of said opening; means continuously tending to swing the door to close the opening; and other means normally held inoperative when the door is closed but adapted to move relative to the door when the door is opened to a position to hold the door open, said means being adapted to be moved by fowl passing through said opening to allow the door to close.

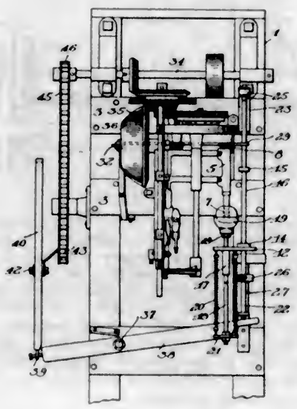
1,584,397. METHOD AND APPARATUS FOR COOKING CANNED GOODS. SHERMAN H. PAXTON, St. Paul, Minn. Filed July 17, 1922. Serial No. 575,727. 8 Claims. (Cl. 99—8.)



1. A cooking apparatus having in combination, a retort adapted to contain a heated fluid medium under pressure, a U-shaped conduit having one of its legs connected to one end of said retort, a U-shaped conduit having one of its legs connected to the other end of said retort, and a U-shaped conduit having one of its legs connected to the other leg of said second mentioned conduit, the connected legs of said last mentioned two conduits adapted to contain cool fluid under pressure in the upper portions and all of said conduits containing liquid.

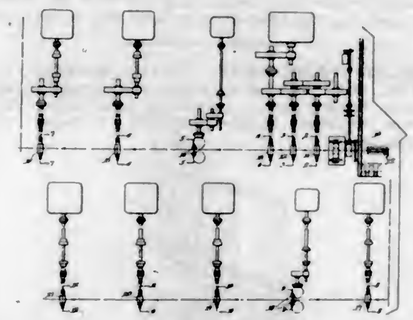
8. The method of handling and cooking articles which consists in progressing the same through a liquid seal and into a retort containing steam under pressure and in continuing said progression through a liquid seal into a chamber containing cool air under pressure and then continuing said progression through a liquid seal in which the pressure is gradually reduced.

1,584,398. APPLE-PARING MACHINE. JOHN W. PEASE, Rochester, N. Y. Filed June 13, 1924. Serial No. 719,905. 9 Claims. (Cl. 146—51.)



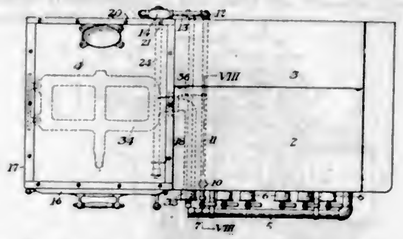
1. In a paring machine, the combination with a rotary fork mounted on a vertical axis and a corer movable vertically toward and from the same, of a doffer cooperating with the corer and having an inclined portion adapted to deflect a pared fruit so that it will fall laterally.

1,584,399. CONTINUOUS MILL FOR ROLLING ANGLE BARS. NORMAN C. RENDLEMAN, Dormont, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 6, 1925. Serial No. 35,372. 16 Claims. (Cl. 80—35.)



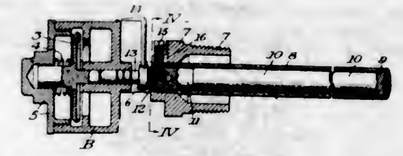
16. A continuous mill for rolling angle bars having power driven reducing rolls with open passes and provided with a groove to form a rib on the partly finished shape, one of said passes having wide shallow grooves to give said shape a slight angular form, vertical edging rolls receiving the shape from said last mentioned pass and adjustable toward and from each other and provided with grooves to receive the edges of the shape, said edging rolls having beveled shoulders adjacent said grooves adapted to engage the rib on said shape to position it in said edging groove, and the adjacent walls of said grooves being at a small angle with the perpendicular from the axis of said rolls to engage and support the outer sides of the legs of said shape.

1,584,400. GAS RANGE. FREDERICK W. ROBERTSHAW, Pittsburgh, and GEORGE A. ROBERTSHAW, Greensburg, Pa. Filed Apr. 13, 1923. Serial No. 631,825. 12 Claims. (Cl. 126—39.)



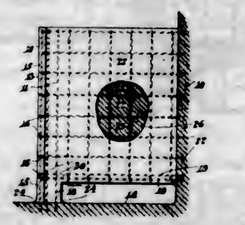
1. The combination with a gas oven having a burner supply pipe, of a valve for controlling the gas supply to said pipe, said valve being located at the rear portion of the oven, a thermostat for controlling said oven extending within the upper portion of said oven, and a setting device for the thermostat carried by the thermostat and located at the forward portion of the oven, substantially as described.

1,584,401. THERMOSTAT. FREDERICK W. ROBERTSHAW, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1923. Serial No. 671,694. 10 Claims. (Cl. 236—102.)



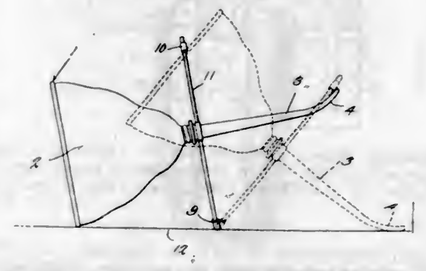
1. A thermostat, including a body having a slot therein, heat responsive means, heat controlling means regulable thereby, pressure communicating means between the heat responsive means and the heat controlling means, said pressure controlling means including a plug, a regulating screw threaded thereinto and adapted to be screwed into and out of the plug for varying the effective length of the pressure communicating means, and a set screw threaded in the plug for locking the regulating screw against movement relative to the plug, said set screw extending through said slot for preventing rotation of the plug, substantially as described.

1,584,402. WALL CONSTRUCTION. OSWALD V. SERAFINI, Boston, MASS. Filed Apr. 27, 1925. Serial No. 26,186. 7 Claims. (Cl. 72—46.)



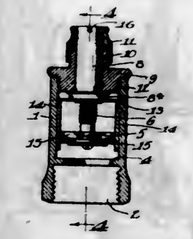
1. The combination of a plurality of alined vertical rods the lower ends of which are anchored in the floor of a building, other vertical rods alined perpendicular to the line of the first mentioned rods, horizontal rods secured to said vertical rods and certain of which have their ends anchored in the wall of a building, metal laths secured to said rods, an aggregate secured to opposite sides of the structure thus formed, and a continuous coating of terrazzo applied to the entire outer face of said aggregate.

1,584,403. OIL-CAN PROTECTOR. GEORGE A. SHIELDS, San Rafael, Calif. Filed May 15, 1923. Serial No. 639,152. 2 Claims. (Cl. 221—56.)



1. In a device of the class described, an oil can comprising a body, and a spout having an inclined end; a prop of approximately circular form, mounted on the can at a point intermediate the ends of the can, and a weight mounted on the prop, externally of the body and independently of the body, the weight being so located on the prop as to cause the inclined end of the spout normally to be turned upwardly when the can rests on said prop.

1,584,404. VALVE. WILLIAM E. SLOAN, Chicago, Ill. Filed Apr. 28, 1924. Serial No. 709,363. 3 Claims (Cl. 251—48.)

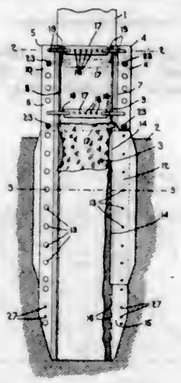


1. A valve device comprising a casing, a valve in said casing, said valve having a flat edge, a flat wall surface in the interior of the casing engaged by the flat edge of the valve so that the valve may be reciprocated but not rotated, a stem for said valve, a rotatable device having screw threaded engagement with said stem and projecting beyond the casing, a stop associated with said rotatable device which engages the end of the flattened portion of the wall of the casing so as to prevent longitudinal movement of the rotatable device.

1,584,405. REENFORCEMENT FOR POLES. GEORGE B. SPRING, Newton Highlands, Mass. Filed Aug. 14, 1925. Serial No. 50,320. 3 Claims. (Cl. 20—99.)

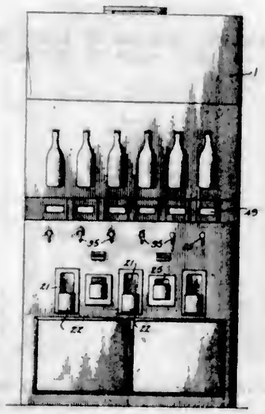
3. A reenforcement for poles comprising two reenforcing members adapted to be set into the earth at opposite sides of a pole, means for clamping said members to the pole, each member comprising two angle iron

elements rigidly secured together to form a reenforcing member having a T shape in cross section, one leg of each element adapted to rest against the pole and the other leg extending outwardly in a radial direction from



the pole, an anchoring plate interposed between the radial legs, said anchoring plate extending outwardly beyond said legs and forming an anchoring surface which is embedded in the earth.

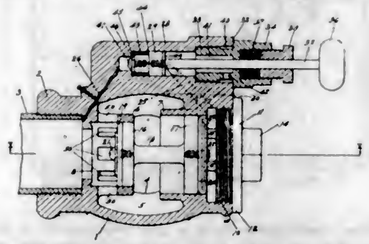
1,584,406. SIGNALING MECHANISM FOR VENDING MACHINES. BEAUMONT T. STREET, Springfield, Mo. Filed Mar. 7, 1924. Serial No. 697,637. 4 Claims. (Cl. 116—114.)



3. In a vending machine having a coin slot, a hinged plate adapted to be retained in lowered position by the weight of the articles to be vended, a shaft on which said plate is mounted, a link connected to said shaft, an arm connected to said link, a signal carried by said arm, a spring arranged beneath said shaft to raise said plate when the machine is empty, and a member adapted to be moved by the movement of said plate and said shaft to a position beneath said slot to prevent the insertion of a coin.

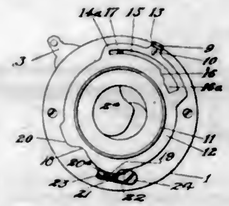
1,584,407. FLUSHING VALVE. BEN B. THOMAS, Portland, Oreg. Filed Oct. 16, 1924. Serial No. 744,012. 5 Claims. (Cl. 137—93.)

1. A valve having in combination a body provided with inlet and outlet openings, a barrel formed in said body, oppositely extending spaced guides in said barrel, one of said guides having openings communicating the inlet with the barrel, a valve mounted in said last mentioned guide, a piston in the other of said guides and connected to the valve, said body having a chamber therein adjacent said piston and a longitudinally extending recess, a manually operative valve reciprocally mount-



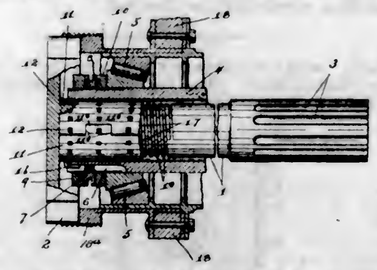
ed in said recess, means for conducting liquid from said inlet to one side of the piston for closing the inlet valve when the manually operated valve is in one position, and a passage communicating the barrel with the chamber through said recess for releasing the pressure in the chamber when the manually operated valve is moved to a different position.

1,584,408. PHOTOGRAPHIC SHUTTER. GEORGE W. TOPLIFF and CARL BORNMANN, Binghamton, N. Y., assignors to Ansco Photoproducts, Incorporated, Broome County, N. Y. Filed Feb. 4, 1924. Serial No. 690,479. 7 Claims. (Cl. 95—63.)



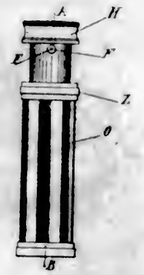
1. A photographic shutter comprising a casing, blades, a diaphragm, a speed controlling element for said blades and a diaphragm controlling element; the two controlling elements being permanently connected.

1,584,409. AXLE OIL GUARD. ADRIAN O. VAN DERVORT, Troy, N. Y. Filed June 8, 1922. Serial No. 566,908. 3 Claims. (Cl. 308—134.)



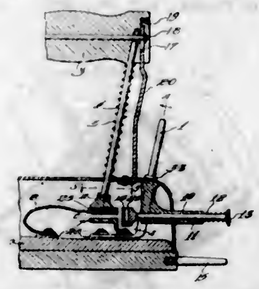
3. In a device of the class described and in combination, a floating axle; a housing for the axle; a roller-bearing mounted upon the housing, said housing being formed with a keyway; means for adjusting the roller-bearing including a washer having a projection engaging said keyway; an oil-guard, including a sleeve of fibrous material in surrounding contact with said axle; and means engageable with said keyway for preventing rotation of the sleeve with the axle.

1,584,410. POCKET VAPORIZER OR SPRAY APPARATUS. RAOUL VENDOME and HENRI MARCOUX, Paris, France, assignors to Marcel Franck, Paris, France. Filed July 16, 1924. Serial No. 726,405. 1 Claim. (Cl. 299—89.)



Spray apparatus including an air cylinder, a liquid cylinder movable as a plunger in the air cylinder to compress the air therein, a valve in the bottom of the liquid cylinder to admit the compressed air to such cylinder, an outlet tube in the liquid cylinder terminating in a guard projection exteriorly of the liquid cylinder, and a flange carried by the air cylinder formed with an opening to admit the passage of said guard therethrough, whereupon the relative rotation of said cylinders will hold the cylinders in inoperative interfitting relation.

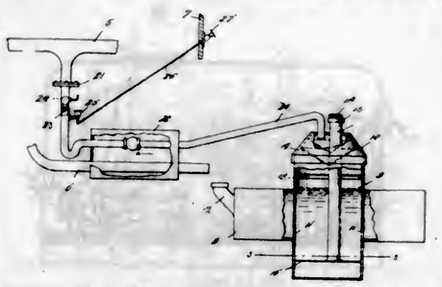
1,584,411. ELECTRICALLY-HEATED PRESSING AND LAUNDRY IRON. THOMAS WALLACE, Wabash, Ind. Filed Jan. 7, 1921. Serial No. 435,713. 5 Claims. (Cl. 219—25.)



2. In an electrically heated flat-iron having a switch for controlling the supplying of current thereto, comprising a relatively stationary contact member and two movable contact members, all of said members being normally out of contact, means for moving one of said movable contact members into engagement with said stationary contact member, and means operating automatically, when the iron is stood on end, to move the other of said movable contact members into engagement with both of the other contact members.

1,584,412. CARBURETOR. HENRY WARD, Kearney, Nebr. Filed Apr. 20, 1923. Serial No. 633,554. 1 Claim. (Cl. 261—123.)

In combination, a fuel containing tank adapted for horizontal disposition, a vertical carbureting receptacle at the center of said tank, the said receptacle having its top and bottom portions extending above and below the tank respectively, the wall of said receptable being provided at substantially diametrically opposite points with openings disposed on a plane near the bottom of said tank, an air pipe depending into said receptacle and provided at its bottom with an apertured disk spaced above the bottom of the receptacle, a screened closure for the top of said pipe, said receptacle being open at its top, a



removable closure for the receptacle, conical straining screens carried by said closure, and an additional screen arranged in said receptacle at a point above the normal fluid level.

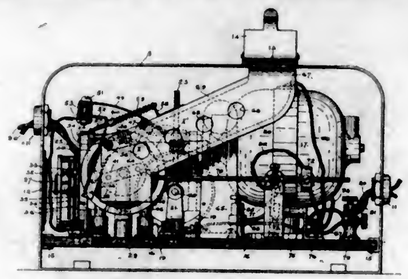
1,584,413. METHOD OF MAKING ACID-PROOF CONTAINERS. RAYMOND M. WARNER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed July 14, 1925, Serial No. 43,528. Divided and this application filed Jan. 8, 1926. Serial No. 80,056. 4 Claims. (Cl. 18—59.)

1. The hereindescribed method of making portable acid-proof containers, which consists in providing a cylindrical body having internal annular shoulders adjacent each end, and a pair of closure heads, applying to the interior of the body a layer of vulcanizable rubber, rolling the edges of the vulcanizable layer to form beads overlying the said shoulders, applying to the exposed face of said vulcanizable rubber a sheet of unvulcanizable rubber with its edges overlying said beads, applying to the heads layers of respectively vulcanizable and unvulcanizable rubber with the unvulcanized layer exposed, subjecting the body and heads to vulcanizing temperature, and thereafter securing the heads to the body with the unvulcanized layers thereof pressed against the beads.

1,584,414. ELECTRICAL SERVICE-TIMING METER. JAMES WHALEN, Omaha, Nebr. Filed Sept. 30, 1922. Serial No. 591,656. 4 Claims. (Cl. 194—9.)

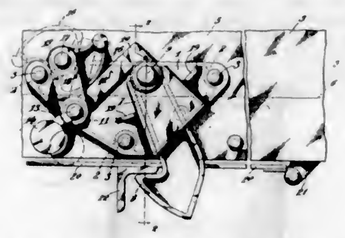
1. An instrument of the class described, comprising a timing-motor, a slow-moving rotary switch-member actuated by said motor, a cam carried by said switch-mem-

ber, a working-circuit having the timing motor connected therein, a coin-actuated switch for closing said working-circuit, a movable brush adapted to engage the rotary switch-member to close the working-circuit, supporting



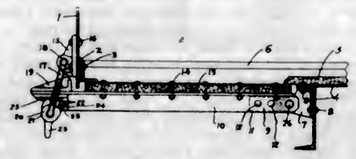
means for said brush actuatable by said cam to move the brush to circuit-closing position, and means for rapidly actuating said brush-supporting means to disengage the brush from the rotary switch-member and open the circuit.

1,584,415. CAR-DOOR-LOCKING DEVICE. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 12, 1922. Serial No. 528,653. 8 Claims. (Cl. 105—308.)



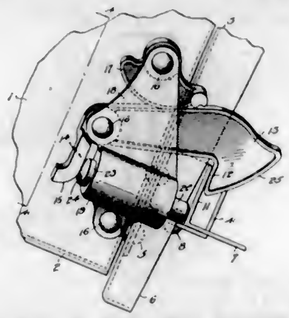
1. In a car door locking device, a bracket, a hook pivotally mounted on said bracket and an upper portion of said hook projecting beyond the pivotal point, an arm pivotally mounted on said bracket and adapted to be swung into the path of movement of the upper portion of said hook, thereby holding the hook in a locked position, and means for locking the said arm in the said position.

1,584,416. CAR-DOOR MECHANISM. WILLIAM E. WINE, Toledo, Ohio. Filed Oct. 10, 1922. Serial No. 593,525. 6 Claims. (Cl. 105—308.)



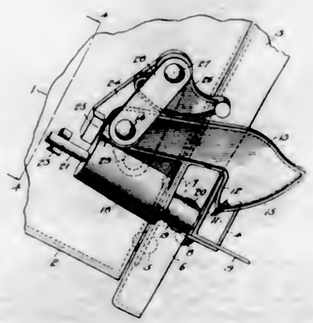
6. In car door mechanism, a drop door hinged to the car body, an arm carried by said door and projecting beyond an edge thereof, a pivoted door supporting member carried by said car body and adapted to extend beneath said arm so as to support said door, and means whereby said arm while supported by said pivoted member may be caused to move toward the pivot point of the latter, said means being movably mounted upon said pivoted supporting member and being adapted to occupy a position between said supporting member and said arm when the door is supported against opening movement.

1,584,417. CAR-DOOR MECHANISM. WILLIAM E WINE, Toledo, Ohio. Filed Oct. 30, 1924. Serial No. 746,812. 10 Claims. (Cl. 105—308.)



1. A railway car having an opening for the discharge of lading, a hinged door for closing said opening, a hook for cooperating with said door to lock the latter in closed position, a bracket rigidly secured to the car body, said hook being pivotally connected to said bracket, and spring means mounted on said bracket and adapted to cause said hook to rotate towards locked position, said means being operatively interposed between said hook and said door and being adapted to be engaged thereby.

1,584,418. CAR-DOOR MECHANISM. WILLIAM E. WINE, Toledo, Ohio. Filed Oct. 30, 1924. Serial No. 746,813. 12 Claims. (Cl. 105—308.)

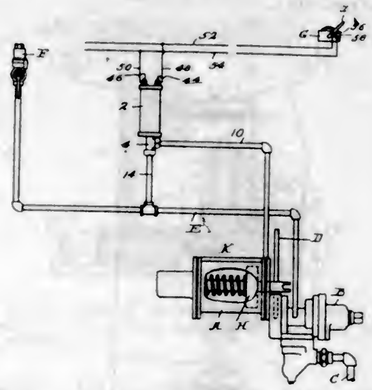


1. A railway car having an opening for the discharge of lading, a door for closing said opening, means movably mounted on the car body for engaging said door to lock the latter in closed position, and means actuated by the said door and interposed between said door and said movably mounted means for causing the latter to move toward locking position.

1,584,419. ELECTRIC AUXILIARY BRAKE RELEASE. HENRY M. ZIEGLER, Salina, Kans. Filed Oct. 7, 1925. Serial No. 61,020. 6 Claims. (Cl. 303—68.)

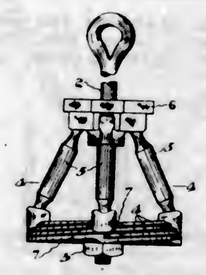
1. In combination with the brake cylinder of an air brake system, an electric circuit, means adapted to be actuated by air under pressure from said brake cylinder

and partially close said circuit, manually controlled means for completing the closure of said circuit, valve-opening means which is energized by the circuit when the same



is closed, and a valve which is opened by said valve-opening means and permits air to escape from the brake cylinder.

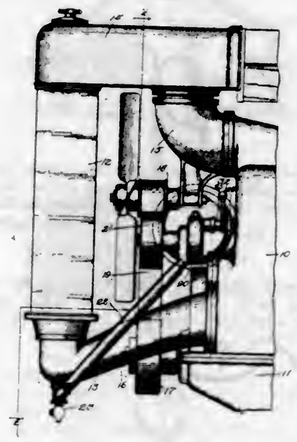
1,584,420. EARTH ANCHOR. THOMAS H. BARNARD, Toronto, Ontario, Canada. Filed Dec. 15, 1924. Serial No. 756,080. 4 Claims. (Cl. 189—92.)



1. In an earth anchor, the combination of a base; a stock connected with the base; a plurality of flukes each pivotally connected adjacent one end thereof with said base so as to swing in a plane substantially transversely of the length of the stock whereby they may occupy a position partially overlapping one another over said base or extending beyond the edge of said base; and means for swinging said flukes upon their pivots comprising a sleeve slidable on the stock and a plurality of links, each link being pivotally connected with the sleeve and with a fluke, the pivotal connections between the sleeve and links and between the links and flukes being formed as ball and socket joints.

1,584,421. COMBINED GOVERNOR, PUMP, AND THERMAL CONTROL. JOHN W. BATE, Racine, Wis. Filed Sept. 11, 1922. Serial No. 587,467. 3 Claims. (Cl. 123—175.)

1. In combination, an internal combustion engine having a water-jacketed cylinder, a thermo-siphon cooling device operably connected thereto, a pump driven by said engine for controlling the circulation of the water through said water-jacket, the discharge pipe from said pump de-

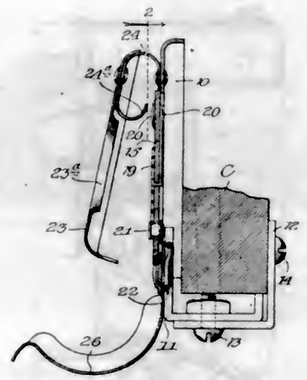


livering into the side of said water-jacket, and means for controlling the direction of discharge from said pipe to control the thermo-siphon action of the system.

1,584,422. COMBINATION TOOL. JOHN W. BATE, Racine, Wis. Filed Mar. 3, 1924. Serial No. 696,527. 2 Claims. (Cl. 81—121.)

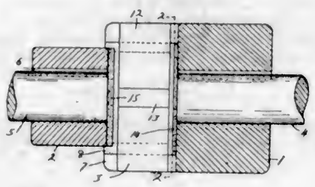
1. In a combination tool, a bar which serves as a jack handle, a sheet-metal member secured along each side of the outer end of the bar, the central portion of said members being separated from said bar, said members and bar having aligned openings, the openings in said members serving as wrench sockets.

1,584,423. CIGAR LIGHTER. JOHN W. BATE, Racine, Wis. Filed May 11, 1925. Serial No. 29,483. 4 Claims. (Cl. 219—32.)



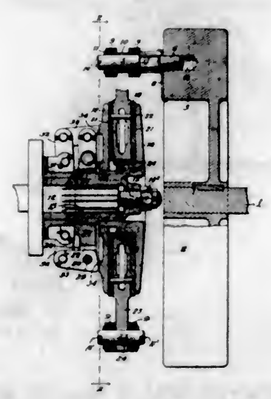
1. In a cigar lighter, a body, a heating grid carried thereby and insulated therefrom, a switch in series circuit with said grid, said switch comprising a stationary contact, and a lever member movably carried by said body and having an opening in front of the grid through which a cigar may be presented to the grid as the switch lever is moved to closed position.

1,584,424. COUPLING. WILLIAM E. BAN, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 14, 1924. Serial No. 706,553. 3 Claims. (Cl. 64—91.)



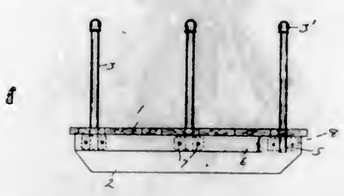
1. In a coupling, the combination with driving and driven members, one of said members having a portion provided with a substantially co-axial recess and diametrically-opposite recesses opening thereinto and the other of said members having a portion freely engaging in said co-axial recess and provided with diametrically-extending recesses at right angles to each other, one of said recesses being in alignment with said diametrically-opposite recesses in said first-mentioned member and having a greater width, and an intermediate cross-shaped member having pairs of aligned arms all arranged in the same plane, one pair of arms engaging in said diametrically-opposite recesses of the first mentioned member and also in said recesses of greater width of the second mentioned member, and the other pair of arms engaging in the other of said recesses of the second mentioned member.

1,584,425. POWER TRANSMISSION FOR VEHICLES. CLARENCE LEO BEST, San Leandro, Calif., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif., a Corporation of California. Filed June 4, 1921. Serial No. 475,078. 12 Claims. (Cl. 192—110.)



1. In a power transmision for vehicles, comprising a drive shaft, a driven shaft, a clutch interposed therebetween, and a pivotal connection between the clutch and one of the shafts to permit bodily transverse movements between said shaft.

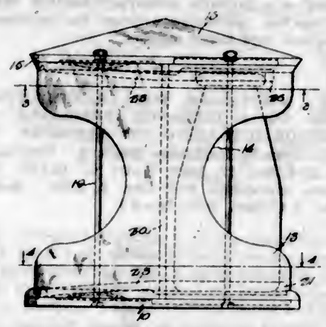
1,584,426. STAKE PLATFORM FOR TRUCKS. WILLIAM W. BLAKELY, Detroit, Mich. Filed May 12, 1924. Serial No. 712,727. 2 Claims. (Cl. 296—43.)



1. In a device of the class described, the combination with a platform, of a stake extending through the platform, a sill extending substantially the full length of the platform having a recess in the upper edge thereof extending transversely thereof from one side to the other adapted to receive said stake, and means for resisting side thrust to which said stake may be subjected including a strip on one side of the sill closing one end of the recess, a plate upon the opposite side of the sill member closing the opposite end of the recess, and a common means for securing said strip and plate to said sill.

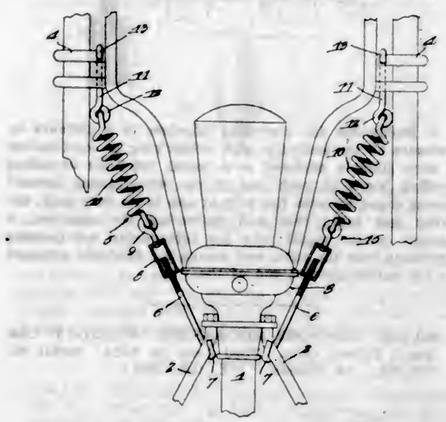
1,584,427. MILK-BOTTLE HOLDER. CHARLES BLITCH, Jacksonville, Oreg. Filed Apr. 25, 1925. Serial No. 25,824. 4 Claims. (Cl. 282—41.)

3. An apparatus of the character described comprising a bottle holding structure, pivoted bottle engaging members mounted in the upper and lower portions of the structure, means for normally urging the bottle holding members toward the center of the structure, the said members being formed so that the insertion of one



bottle in one side of the structure will release a bottle engaged by the holding members on the other side of the structure.

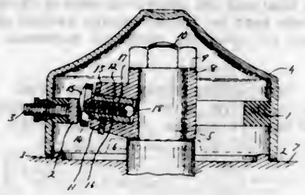
1,584,428. ANTICHATTER FOR BALL JOINTS. JOSEPH L. BREDAR, Rock Island, Ill. Filed Mar. 31, 1924. Serial No. 703,162. 1 Claim. (Cl. 267—67.)



An antichattering device for the universal joint of an automobile comprising two similarly constructed members for location on opposite sides of the joint and each including a rod having a hook at one end and its other end threaded, a take up swivel having threaded engagement at one end with said rod and provided at its other end with a swiveled eye-bolt, a coiled spring connected at one end with said eye-bolt, a rod connected with the other end of said spring, and having a head for engagement with a support whereby the device may be detachably connected at its opposite ends with the radius rod of an automobile and with the crank case arm whereby a pulling action is exerted to force the members of the ball joint towards each other and take up wear or play which may occur in the joint.

1,584,429. TIMER. FRANK BRISCOE, Pontiac, and WILLIAM S. LEE, Detroit, Mich.; said Lee assignor to said Briscoe. Filed Dec. 27, 1922. Serial No. 609,280. 6 Claims. (Cl. 200—26.)

2. In a timer for internal combustion engines, the combination with an annular ring having alternate segments of insulating and conducting material, of a concentric rotatable shaft, an arm secured to said shaft and provided with a longitudinal bore at an angle to the plane of said annular ring, a rotatable pin in said bore,

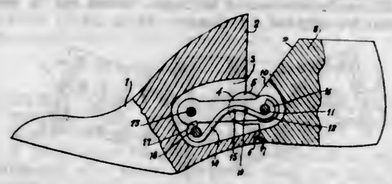


a head on said pin having a spherical contacting surface of smaller radius than said annular ring, and a spring for yeildingly holding said spherical head in contact with said annular ring.

1,584,430. ILLUMINATED LAMP-POST. ERNEST GORDON CAMERON, Bombay, India. Filed Jan. 9, 1926. Serial No. 80,195. 2 Claims. (Cl. 240—25.)

1. A street lamp post comprising a hollow frame-work, a street light mounted upon the hollow frame-work, reflecting mirrors mounted within the frame-work for receiving and reflecting light from the street light and glass panes mounted in the frame-work at a suitable height above the ground, and illuminated by light from the reflectors to indicate the presence of the lamp post base to users of the road.

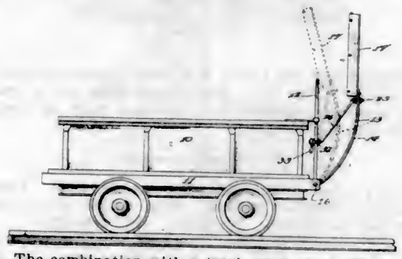
1,584,431. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed May 28, 1925. Serial No. 33,351. 5 Claims. (Cl. 12—136.)



1. In a last, a toe part and a heel part adapted to rock one on the other, a link joining said parts mounted in anchor pins in the respective parts, one anchor pin being located relatively near to the center of mov-

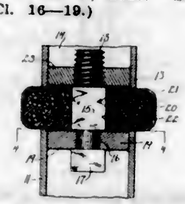
ment of the parts and the other relatively far from the center of movement of the parts, yielding means mounted on the pin relatively near to the center of movement at one of its ends and its other end upon a third anchor pin relatively near to, but below, the anchor pin which is relatively far from the center of movement.

1,584,432. WINDSHIELD FOR TRACK CARS. ANDREW M. CLOUGH, Batavia, N. Y. Filed Oct. 8, 1924. Serial No. 742,465. 7 Claims. (Cl. 105—353.)



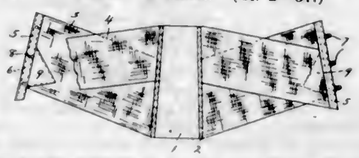
1. The combination with a track car having sills, and a guard upstanding near the forward end of said sills, of a windshield including a dash swingingly mounted at its lower end upon the forward ends of said sills, a frame carried by the dash, a transparency mounted in said frame, and brace rods extending between the dash and said guard sustaining the upper portion of the windshield.

1,584,433. INSULATOR FOR HANDLED VESSELS. HARRY I. CLULEE, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Oct. 2, 1925. Serial No. 59,995. 1 Claim. (Cl. 16—19.)



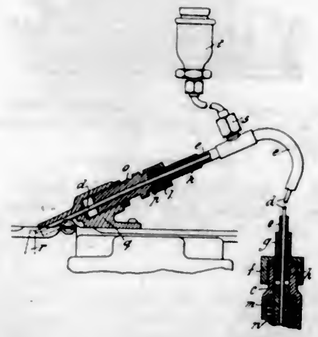
The combination with a vessel provided with a socket as one member, of a handle as another member, a screw having a head, an angular body, and a threaded end and neck between the head and body smaller in diameter than either, two centrally-notched anchors fitting the said neck and corresponding in external dimensions with the internal dimensions of either member and secured in one member, a nut secured in the other member, and an insulator engaged with the body of the screw.

1,584,434. CORSET. HARRY A. COLLEY, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 1, 1924. Serial No. 703,355. 1 Claim. (Cl. 2—37.)



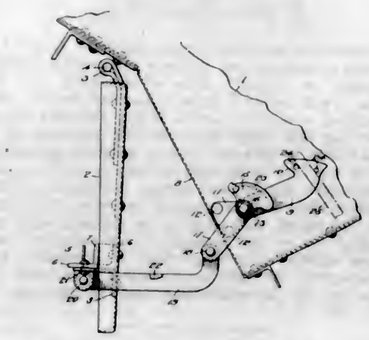
A corset comprising a pair of vertically elongated fabric strips, sets of fasteners carried by said strips and adapted to detachably connect said strips, a pair of freely crossed, relatively inclined, elastic webs, secured to each of said strips and partially overlapped at their juncture with said strips, and a fabric member to opposite edges of which the other ends of the two pairs of webs are secured in a partially overlapped relation, said webs forming the sole connection between the fastener-carrying strips and said fabric member.

1,584,435. MECHANISM FOR TRANSMITTING IMPULSES TO A DISTANCE, SPECIALLY APPLICABLE FOR ACTUATING GUN TRIGGERS. GEORGE CONSTANTINESCO, Weybridge, England. Original application filed Mar. 28, 1925, Serial No. 19,116. Divided and this application filed Dec. 7, 1925. Serial No. 73,894. 2 Claims. (Cl. 74—5.)



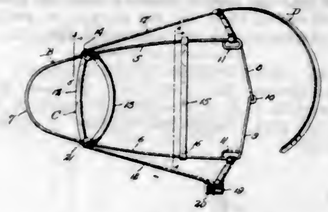
1. Mechanism for conveying impulses to a distance by pressure on the end of a wire, comprising in combination a wire slidably enclosed in a metal tube, air excluding stuffing boxes at each end of the wire, spring pressed means engaging with the wire at one of its ends only, the other end being free and delivering the impulses, a branch on the metal tube for introducing non-freezing lubricant into the tube, and means for applying pressure to the spring pressed end of the wire.

1,584,436. CAR-DOOR MECHANISM. WILLIAM F. CREMEAN, Toledo, Ohio. Filed June 23, 1924. Serial No. 721,798. 16 Claims. (Cl. 105—299.)



1. A car door mechanism including, in combination with a swinging door, a hook member pivotally mounted on the car body so as to rotate about a fixed axis, a link movably connected to said hook member and to said door, and means carried by said door adapted to be engaged by said hook member to prevent an opening movement of said door.

1,584,437. CALF WEANER. ELISHA R. DAVIS, Hazard, Nebr. Filed Oct. 23, 1925. Serial No. 64,366. 3 Claims. (Cl. 119—130.)

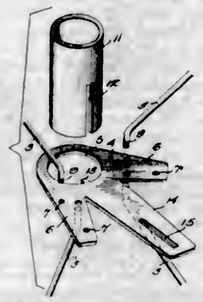


1. A weaner comprising a frame including side bars having their rear ends directed inwardly toward each other and hooked together, a strap connected to the side bars to engage the underside of the animal's neck, an adjustable headgear connected to the frame and adapted to fit the head and face of the animal to support the frame in position on the animal, and fabric material suspended from the frame to lie over the front and sides of the mouth of the animal.

1,584,438. ARTIFICIAL DENTURE. WILLIAM DEVLIN, Chicago, Ill. Filed May 22, 1922. Serial No. 562,663. 1 Claim. (Cl. 32—9.)

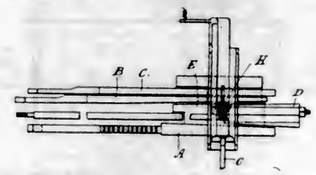
In an artificial restoration, a porcelain facing of substantially natural size and form having a recess with walls substantially at right angles to the floor of the recess the side walls slanting incisally from the rear portion and converging to a point beyond the rear part of the backing, an arcuate backing fitting said recess and extending flush with the exterior of said facing and marginally engaging said wall, and a pin attached to said backing and extending incisally into the facing.

1,584,439. COUPLING. CHARLES DRAKE, Mannington, W. Va. Filed May 4, 1925. Serial No. 27,971. 4 Claims. (Cl. 189—19.)



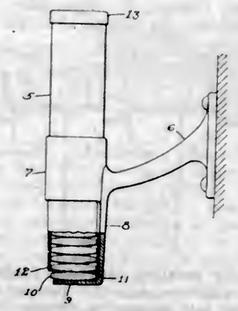
1. A coupling for derrick legs or the like comprising a plate having an opening therein, a member adapted to be received in said opening and project on opposite sides of said plate, and a pair of horizontal extensions formed on said plate to which the ends of the girths and braces are adapted to be secured.

1,584,440. PRODUCTION OF JUSTIFIED LINES OF SINGLE TYPE. RICHARD CORNELIUS ELLIOTT, London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed May 19, 1924. Serial No. 714,351. 6 Claims. (Cl. 199—80.)



1. In a record strip controlled type casting and composing machine furnished with two separate mould adjusting devices or mechanisms a method of producing from a single record strip, justified composition in a set differing from and in a measure proportionate to that in which the record strip has been composed which consists in varying the mould for justification bodies in units of the set to be produced or fractions thereof.

1,584,441. DISPENSING DEVICE. FREDERICK H. ENGELKEN, East Palatka, Fla. Filed Nov. 28, 1921, Serial No. 518,180. Renewed Oct. 3, 1925. 2 Claims. (Cl. 211—8.)

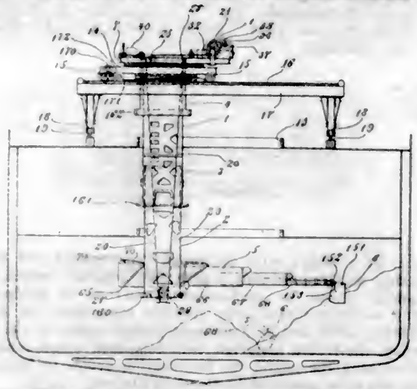


2. In a dispensing device for relatively flat small articles, an upright tubular holder for a plurality of the articles, said holder having an open lower end, a supporting bracket having a seat for removably receiving the holder and through which the holder extends, said bracket having an article supporting member positioned beneath the lower end of the holder, said bracket being provided with a shoulder to hold the lower end of the holder spaced from the article supporting member by a space substantially equal to the thickness of one of the articles, said article supporting member having a less width than the width of the individual articles and engaging the lower surface of the lowermost article to provide for grasping opposite sides of the article, the lower end of the holder having a downwardly converging formation on its outer surface, and a closure member for the upper end of the tubular holder.

1,584,442. CARGO TRIMMER. GAINES O. B. EVEAY, Baltimore, Md. Filed Sept. 30, 1925. Serial No. 59,581. 37 Claims. (Cl. 214—15.)

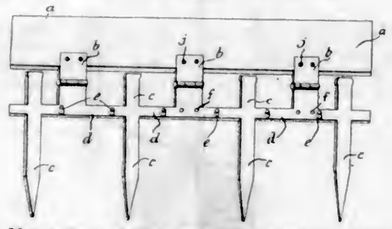
1. In a cargo trimmer, a truck adapted to span the hatchway of a vessel and move along the deck of the vessel, a second truck mounted on the first-mentioned truck to move transversely thereof, a turntable mounted on the second truck, a depending extensible member mounted on the turntable and a transverse extensible arm with a cargo handling tool at its extremity mounted at

the lower end of the extensible member, power-operated means for propelling both trucks, power-operated means for rotating the turn-table, and power-operated means for



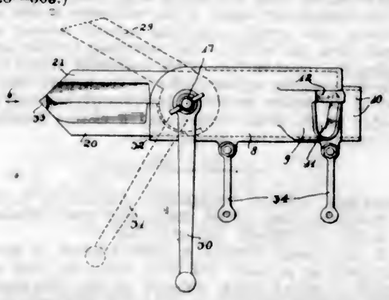
controlling the length of the dependable member and power-operated means for extending and retracting the extensible transverse arm at the bottom of the extensible member to actuate the tool.

1,584,443. EXPANSION-JOINT INSTALLER. ALBERT C. FISCHER, Chicago, Ill. Filed May 26, 1922. Serial No. 563,832. 12 Claims. (Cl. 94—51.)



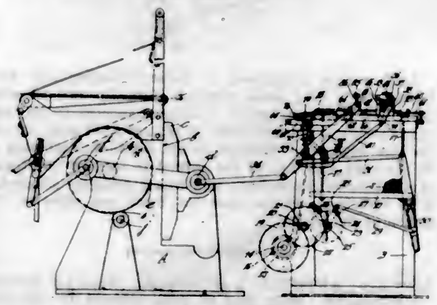
1. Means for installing expansion joints in pavements, said means comprising a joint-suspending member, means for sustaining said suspending member in upright position, and means mounted on said sustaining member for engaging and holding one side only of an expansion joint strip while leaving the other side of the expansion joint strip presented free and unobstructed for contact with the paving material with which it is to be used.

1,584,444. CAUTERY. RUDOLPH FLICK, Arcadia, Calif. Filed Apr. 7, 1924. Serial No. 704,686. 1 Claim. (Cl. 128—305.)



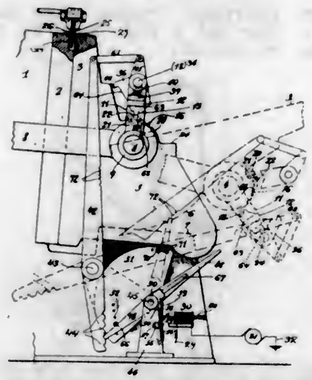
In a cauterizing device, a heating chamber having a longitudinal slot in the upper portion thereof, a pair of blades pivotally mounted near one end of said heating chamber and disposed outside of the chamber during the cauterizing operation, one of said blades having an abutting portion adapted to carry the other blade through the slot into the heating chamber upon the actuation of said first-named blade for the purpose of heating both blades preparatory to the cauterizing operation.

1,584,445. SHEET-FEEDING MECHANISM. CARL F. FRAUENBERGER, Hartford, Conn., assignor, by mesne assignments, to S. H. Rosenberg, Brooklyn, N. Y. Filed Oct. 31, 1924. Serial No. 747,028. 2 Claims. (Cl. 101—287.)



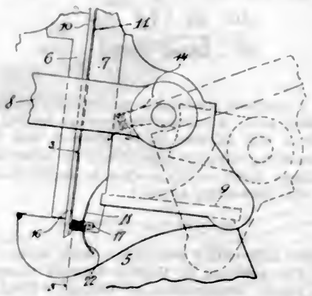
1. The combination with a press having a swinging platen opening to a sheet receiving position in which the platen is inclined to the horizontal and slopes downwardly toward its bed, of a magazine adjacent thereto for holding a vertical stack of sheets to be fed to the platen, a lever pivotally mounted on said magazine and connected to the platen to continuously oscillate therewith, a slideway pivoted to the magazine and movable from a position substantially parallel to the top face of said stack to a position substantially parallel to the face of said platen, connections between said slideway and lever to move the former intermittently from the latter, a slide mounted in said slideway, a link connecting said lever to the forward end of said slide, and a fixed and a movable nipper jaw carried by said link.

1,584,446. TRIPPING MECHANISM FOR CREASERS, CUTTERS, AND THE LIKE. CARL F. FRAUENBERGER, Long Island City, N. Y., assignor to S. H. Rosenberg, Brooklyn, N. Y. Filed Mar. 10, 1925. Serial No. 14,366. 22 Claims. Cl. 101—306.)



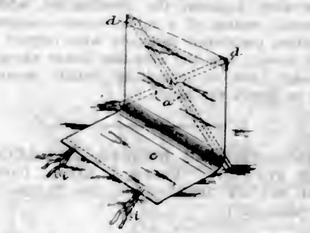
1. The combination of a platen press and its mechanism for adjusting the position of the platen therein, a tripping mechanism for tripping the platen and means for automatically operating the said tripping mechanism irrespective of the adjusted position of the platen.

1,584,447. SAFETY PAPER STOP GAUGE. CARL F. FRAUENBERGER, Long Island City, N. Y., assignor to S. H. Rosenberg, Brooklyn, N. Y. Filed Apr. 17, 1925. Serial No. 23,788. 3 Claims. (Cl. 101—414.)



1. In a platen press the combination with the platen, of paper stop devices therefor comprising brackets mounted at the lower corners of the platen, shafts in said brackets, paper stopping gauges carried by said shafts, springs for normally moving said gauges in over the platen to momentarily arrest the movement of a sheet thereon and cams secured to the said shafts for gradually moving said gauges off the platen as the latter moves into impression position, said cams being actuated by contact with a fixed portion of the press.

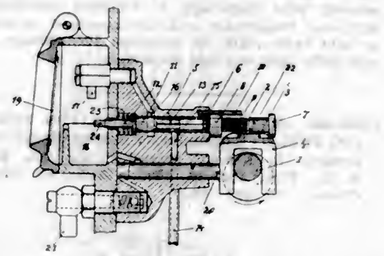
1,584,448. BACK REST OR GROUND SEAT. ARTHUR JOSEPH GARNHAM, London, England. Filed June 10, 1925. Serial No. 36,096. 2 Claims. (Cl. 155—153.)



1. A collapsible back rest comprising a pair of bars pivoted together centrally and a strip of flexible material of considerably greater length than the distance between the adjacent ends of said bars when in open position, said fabric being provided adjacent to one edge with pockets for detachably engaging one end of each of said bars, when in open position, whereby the other ends of said bars may be inserted in the ground, leaving a considerable horizontal portion of the fabric disposed upon the ground in front of said bars to form a seat, the remaining portion of said fabric and said bars forming a back rest held in substantially vertical position when the horizontally disposed portion is held in engagement with the ground by the weight of the user, the said pockets being each formed of a separate piece of material folded upon two lines at right angles to each other, to provide upper horizontal and exterior vertical folds to receive the thrust of the upper ends of said bars and prevent them from further separating.

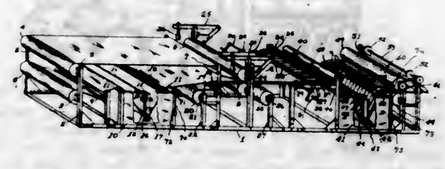
1,584,449. DEVICE FOR ADJUSTING THE STROKE OF FEED PUMPS FOR LUBRICATOR PUMPS. ARTHUR GRÜTZNER, Meissen-on-the-Elbe, Germany. Filed May 7, 1925. Serial No. 28,622. 3 Claims. (Cl. 103—37.)

1. In a device for adjusting the stroke of feed-pumps for lubricator-pumps, in combination with a feed-pump cylinder and a driving-eccentric, a force-valve, means for rotating said force-valve, a feed-piston, means for rotating the said feed-piston, a stop-nut screwed on the



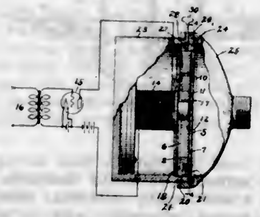
feed-piston, means for ensuring said stop-nut against rotary-movement and means for adjusting the stop-nut in relation to the driving-eccentric.

1,584,450. PROCESS OF AND APPARATUS FOR MAKING COMPOSITE SHEETS. JOHN E. HAGER, Mentor, Ohio. Filed Mar. 13, 1923. Serial No. 624,764. 2 Claims. (Cl. 154—1.)



1. The herein described process of making composite sheet material, which consists in applying sizing to a main thickness of material, bringing a cover thickness of paper against the main thickness so that it is secured thereto by the adhesive action of the sizing, slitting the product longitudinally into a series of strips, printing impressions upon the strips at intervals, subsequently water-proofing the strips so that the water-proofing covers the printed impressions and is applied to the slit edges of the strip, and cutting the strips transversely into pieces of a predetermined length, each of which has a complete printed impression thereon.

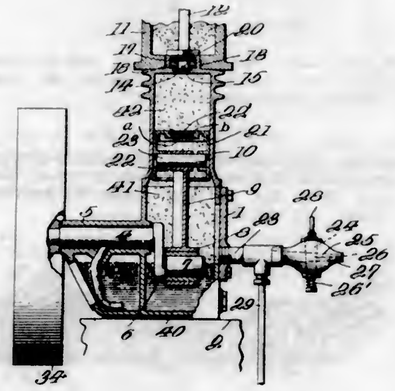
1,584,451. METHOD AND APPARATUS FOR TRANSMITTING AND REPRODUCING SOUNDS. HARVEY C. HAYES, Washington, D. C. Filed July 7, 1923. Serial No. 650,183. 10 Claims. (Cl. 274—27.)



10. A sound transmitter and reproducer, comprising in combination a diaphragm, a support for said diaphragm, a baffle plate located adjacent said diaphragm and extending substantially throughout the area thereof, a screw threaded frame for carrying said baffle plate,

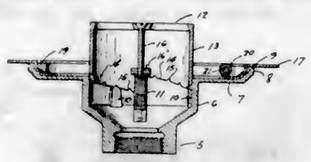
said baffle plate having a substantial thickness and being apertured at a plurality of points throughout the area of said diaphragm for providing air columns for absorbing energy from different portions of said daiphragm whereby said diaphragm is rendered non-resonant to particular frequencies, and means secured to said frame on said baffle plate for adjusting the distance between said baffle plate and said diaphragm.

1,584,452. METHOD AND APPARATUS FOR BURNING FUELS. GEORGE EDGAR HAZARD, Rochester, N. Y., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Filed Apr. 16, 1924. Serial No. 706,913. 7 Claims. (Cl. 158—36.)



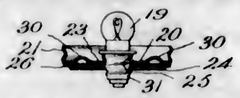
1. The method of atomizing and converting oil into vapor and burning the same, which consists in maintaining a body of oil, heating said body of oil to atomize it and mixing air therewith in the presence of said body of oil, feeding the mixed air and atomized oil to a compression chamber where the same is converted into a vapor by being compressed, and then finally feeding the mixture to a burner and burning the same.

1,584,453. WASTE DRAIN. ARTHUR HESS, Los Angeles, Calif., assignor of one-half to Samuel L. Marsh, Los Angeles, Calif. Filed Mar. 16, 1925. Serial No. 15,854. 4 Claims. (Cl. 182—31.)



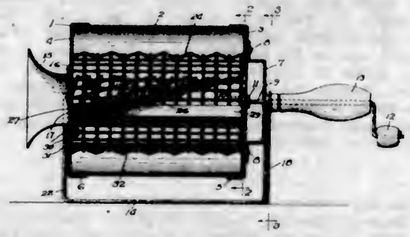
1. A drain head comprising a base having an outlet, a waste pan extending outwardly therefrom, a strainer head having a substantially cylindrical outer wall, said head being formed externally with a slight taper converging toward the bottom, said head being disposed over said outlet, the lower edge of said head being formed with notches disposed at different positions axially, and supporting lugs on said base disposed so that they may be engaged with said edge and support said head.

1,584,454. PORTABLE ELECTRIC LAMP. HARRY M. KORETZKY, New York, N. Y. Filed May 31, 1923. Serial No. 642,544. 2 Claims. (Cl. 240—10.5.)



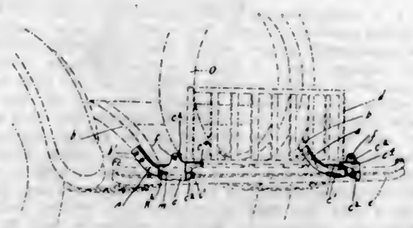
1. In a portable flashlight, an external casing having a threaded neck, a connecting support having a socket for a lamp and adapted to be screwed into said neck, said connecting support comprising an exterior member having finger holds on its surface to facilitate manipulation of the connecting support.

1,584,455. POP-CORN POPPER. BURT R. LA DEW, Chicago, Ill., assignor to Ulrich Tinware Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1924. Serial No. 728,283. 16 Claims. (Cl. 53—4.)



1. In corn poppers, the combination with an outer sheet metal casing, of a spiral screen comprising an inner portion positioned obliquely with respect to the axis of said casing, and the step-like flange along the outermost edge, and an operating handle secured to said casing to rotate the same.

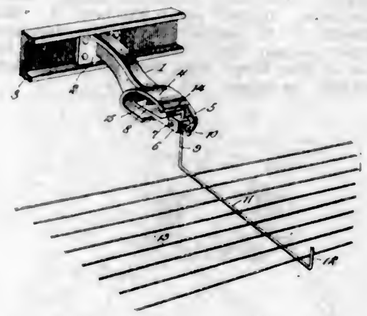
1,584,456. VEHICLE BUMPER AND LUGGAGE-CARRIER SUPPORT. FRANK J. LAHER, Portland, Oreg. Filed Nov. 24, 1925. Serial No. 71,153. 11 Claims. (Cl. 293—55.)



1. In means for supporting an auxiliary device upon one end of the side frames of a vehicle, a bracket consisting of two flat sections arranged normal to each other, one thereof provided with a sleeve for mounting on a supporting arm, each of said sections being provided with fastening means for said auxiliary device.

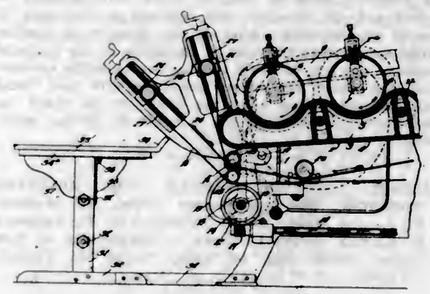
1,584,457. STOP MOTION FOR LOOMS. LOUIS PHILIP LANDRY, Woonsocket, R. I. Filed Sept. 22, 1923. Serial No. 664,291. 1 Claim. (Cl. 139—337.)

In means for the purpose set forth, the combination with a loom, wires adjacent the loom, and intermediate the harness and actuating mechanism of the loom a bracket secured to the loom frame and having a hood-shaped portion formed at one end thereof, a plate formed integral on the bracket, a post arranged on the plate, a tension arm mounted on the plate within the hood-



shaped portion, an arm that rests below the wires and is secured to the tension arm whereby movement of the tension arm will close a circuit that communicates with the post and shipping mechanism of the loom.

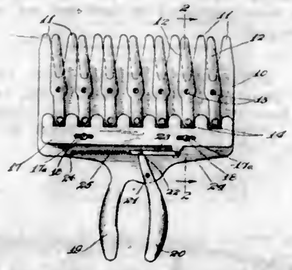
1,584,458. DELIVERY TABLE FOR FLATWORK IRONERS. FRANK J. LEIDECKER, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 12, 1919. Serial No. 310,420. 1 Claim. (Cl. 68—9.)



In combination, an ironing machine including a stationary frame, ironing members thereon, a delivering apron, a bracket supporting the same and movable to release position for releasing the tension of said apron, and a delivery table at one end of said machine having a top freely movable to safe position by said bracket when the latter is moved to release position.

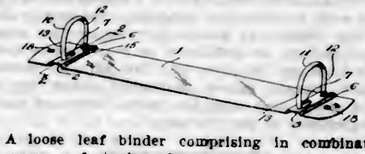
1,584,459. SHEARS. WILLIAM W. LINK, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 633,886. 3 Claims. (Cl. 30—1.)

1. In a shear, the combination of a plate having a plurality of projecting teeth provided with cutting edges, a shear blade mounted on said plate in line with each notch between a pair of said teeth, a pivotal connection between each blade and said plate, spring means holding the pivotal portion of each blade away from said plate and the cutting portion of said blade in engagement with the cutting edges on adjacent teeth, and a common actuating mechanism loosely engaging all of said blades to operate them, each of said blades being extended from its pivotal portion away from its cutting portion,



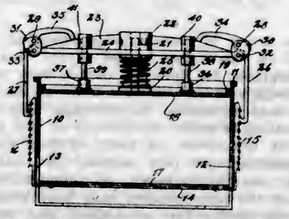
and said actuating mechanism comprising a notched reciprocable plate containing said extended ends in its notches.

1,584,460. LOOSE-LEAF BINDER. GEORGE J. LINSKEY, Cleveland, Ohio. Filed Oct. 25, 1924. Serial No. 745,764. 7 Claims. (Cl. 129—1.)



1. A loose leaf binder comprising in combination a book cover, a fastening plate secured within said cover, slots in said plate, a binder member having legs adapted to enter said slots and clamping means carried by one of said legs adapted to engage both sides of said plate and grip it, one of said slots being open at one end whereby the binder member may be detached from the plate without removing the clamping means from the binder.

1,584,461. MEAT BOILER. RICHARD LIPPERT, New York, N. Y. Filed Dec. 12, 1925. Serial No. 75,053. 2 Claims. (Cl. 100—57.)



1. In a ham boiler, the combination of an upper movable plate with a lower movable plate, a means formed with said bottom plate allowing an upward pulling of said bottom plate towards said top plate, and a means engaging said first named means and cooperating with said upper movable plate for simultaneously moving both plates together for producing a ham of uniform consistence.

1,584,462. SOAKING LIQUOR FOR DRIED HIDES AND THE LIKE. DOROTHY JORDAN LLOYD and ROBERT HOWSON PICKARD, London, England, assignors to ourselves and the British Leather Manufacturers' Research Association, London, England. Filed May 20, 1924. Serial No. 714,566. 2 Claims. (Cl. 149—2.)

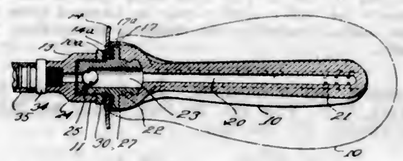
1. An improved method of treatment for dried hides, kips, skins and the like to soften the said hides, comprising the soaking of the said hides in a dilute solution in

water of one or more soluble salts which contain polyvalent radicals and form negative polyvalent ions in such dilute solution said soluble salts in the concentration employed being capable of dispersing serum albumen which has been coagulated by heat but not capable of tanning the pelt.

1,584,463. AUTOMOBILE OILING AND GREASING RACK. CHARLES J. MAIER, Decatur, Ill., assignor to Leader Iron Works, Decatur, Ill., a Corporation of Illinois. Filed June 23, 1924. Serial No. 721,665. 3 Claims. (Cl. 254—88.)

1. In an automobile oiling and greasing rack, in combination, a plurality of sets of metallic standards, parallel arranged runways supported on said standards comprising a series of sections certain of which are supported horizontally and others inclined thereto, each of said sections being trough-like in cross-section the inner flanged walls of which are higher than the outside flanges to prevent climbing of wheels thereover, and an approach plate adapted to be positioned at the entrance ends of said inclined sections and provided with an outwardly presented arcuate shaped upstanding flange the inner ends of which abut with the inside flanges of said approach sections to the run-ways.

1,584,464. MEDICINAL APPLICATOR. CLARENCE H. MARANVILLE, Dallas, Tex. Filed Mar. 7, 1923. Serial No. 623,314. 11 Claims. (Cl. 128—255.)

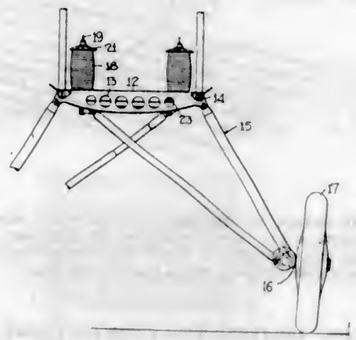


2. In a device of the character described, the combination of an elastic bag in the nature of a hot water bottle adaptable for internal use, a core member disposed therein, said core member being hollow and having a passageway extending therethrough and establishing communication between the interior of the bag and the exterior of the device, a body member aligning with and supporting said core member and said bag and having a central passageway communicating with the interior of the core member, said body member having a valve obstructing the passageway, and means associated with the body member whereby a liquid may be forced into the bag member through said core member and be retained therein by said valve when the core member is removed.

1,584,465. APPARATUS FOR VULCANIZING RUBBER ARTICLES. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed May 14, 1920. Serial No. 381,270. 6 Claims. (Cl. 18—42.)

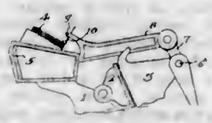
1. A cartridge mold, for use in a continuous vulcanization process, comprising complementary sections formed to provide a cavity for the article to be vulcanized, and annular caps formed to surround the ends of said sections to hold said sections assembled.

1,584,466. AIRPLANE LANDING GEAR. HARVEY C. MUMMERT, Hollis, and WILLIAM L. GILMORE, Mineola, N. Y., assignors to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Feb. 29, 1924. Serial No. 695,962. 16 Claims. (Cl. 244—2.)



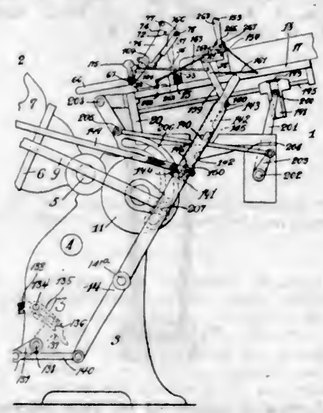
1. An aeroplane landing gear including a laterally movable substantially triangular frame, said frame being pivotally mounted with its pivot axis extended in a fore and aft direction and disposed at the apex of one of the included angles of the triangle, a landing device mounted at the apex of the other of the included angles of the triangle, said landing device bodily movable with said frame, and means associated with said frame and disposed at or near the apex of the third included angle of said triangle to resist its pivotal movement.

1,584,467. SUCTION NOZZLE FOR PRINTING PRESSES. STEPHEN HAINES PLUM, 2d, Madison, N. J., and HARRY DUFF, Brooklyn, N. Y., assignors to Klymax Feeder Company, a Corporation of New Jersey. Filed Aug. 14, 1924. Serial No. 731,910. 1 Claim. (Cl. 271—26.)



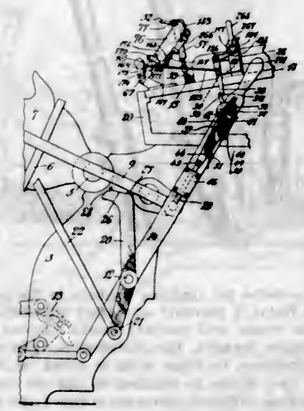
A suction nozzle of the character described comprising a supporting bracket, a nozzle support adapted to move in said bracket by gravity, a suction nozzle head movably supported on said support, stops on the latter for limiting the movement of said nozzle head in one direction, a rod supported on said nozzle support, a spring secured to the said nozzle head and the said rod and means for operating said rod to regulate the tension of the said spring to adjust the movement of the said nozzle head in the opposite direction.

1,584,468. AUTOMATIC FEEDER FOR PLATEN PRESSES. S. HAINES PLUM, 2d, Madison, and AMOS ACKLEY, Camden, N. J., assignors to American Type Founders Company, a Corporation of New Jersey. Filed Feb. 11, 1925. Serial No. 8,441. 28 Claims. (Cl. 101—287.)



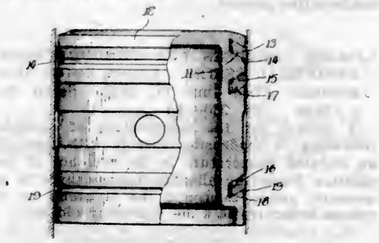
1. An automatic feeder for platen presses comprising a table for supporting the paper to be printed, paper separating means pivoted on said table and mechanism on said table for operating said separating means to convey the separated paper to the platen of the press.

1,584,469. TRIPPING MECHANISM FOR PLATEN PRESSES. S. HAINES PLUM, 2d, Madison, and AMOS ACKLEY, Camden, N. J., assignors to American Type Founders Company, a Corporation of New Jersey. Filed Sept. 22, 1925. Serial No. 57,858. 11 Claims. (Cl. 101—287.)



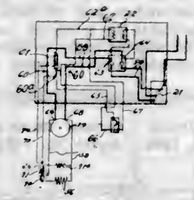
1. The combination of a platen press tripping mechanism, a tripping lever for operating the same, a latch on the said tripping lever, means for maintaining said latch in a normal retracted position, means for releasing the latch from said normal position when the press is to be tripped, a trip arm operated by the press and means on said trip arm for engaging said latch to move the said tripping lever into tripping position.

1,584,470. INTERNAL-COMBUSTION-ENGINE PISTON. HARRY L. QUINTENZ, Winter, Wis. Filed June 30, 1923. Serial No. 648,779. 1 Claim. (Cl. 74—108.)



A piston having an upper groove, a lower groove, and an intermediate groove, a supplemental groove being formed at the bottom edge of the upper groove and the lower groove, the upper groove being upwardly and inwardly inclined from the outer face of the piston and the lower and intermediate grooves being downwardly and inwardly inclined from the outer face of the piston, and a piston ring received in each of the grooves, the upper piston ring being adapted to scrape oil from the cylinder wall and the lower and intermediate piston rings forming a seal to prevent downward escape of the compressed explosive mixture, the oil from the cylinder wall being received in the lower and intermediate grooves to form a seal therein, the supplemental groove at the bottom of the upper groove aiding in draining oil from said groove and spreading oil over the cylinder wall and the supplemental groove adjacent the bottom of the lower groove aiding in spreading the oil over the cylinder wall.

1,584,471. APPARATUS FOR BURNING OIL. WILLIAM H. PASCOE, Chicago, Ill. Filed June 8, 1922. Serial No. 566,883. 10 Claims. (Cl. 158—28.)



1. In an oil burning apparatus, the combination of a heating chamber, means for discharging a spray of liquid fuel into said chamber, said means including an electric motor, current-carrying means for igniting the fuel as it is discharged, and an electromagnetically actuated switch for the motor circuit, a control circuit for actuating said switch, said circuit containing an electromagnet connected in series with the current carrying ignition means, and switch means arranged on breaking of the current through said electromagnet and ignition means to shut off the motor current, and compensation means associated with said switch means to prevent the operation of said switch means when both the motor current and the ignition current are shut off together for stopping the apparatus.

1,584,472. PROCESS FOR THE MANUFACTURE OF ARTIFICIAL RESINS. AUGUST REGAL, Brno, Czechoslovakia. Filed June 17, 1925. Serial No. 37,845. 1 Claim. (Cl. 260—4.)

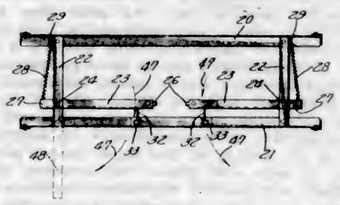
A process for the manufacture of artificial resins consisting in reacting on phenols with formaldehyde at an elevated temperature in the presence of an indophenolic compound, formed by adding a small quantity of a

p-aminoaryl compound and followed by a moderate oxidation, the said indophenolic compound acting as a condensing agent and at the same time giving a color to the condensation product.

1,584,473. PROCESS FOR THE PREPARATION OF ARTIFICIAL RESINS. AUGUST REGAL, Brno, Czechoslovakia. Filed June 17, 1925. Serial No. 37,846. 1 Claim. (Cl. 260—4.)

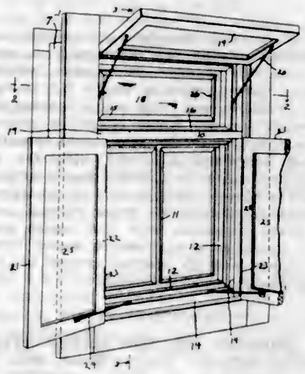
A process for the manufacture of artificial resins, consisting in condensing phenols with formaldehyde at an elevated temperature in the presence of products of addition formed by allowing formaldehyde to act on an aromatic amino compound the H atoms of the amino groups being replaced by organic radicals.

1,584,474. STABILIZER FOR FOLDING BEDS. EDWARD L. ROBERTI, Los Angeles, Calif., assignor, by mesne assignments, to Roberti Bros., Los Angeles, Calif., a Corporation of California. Filed Nov. 28, 1923. Serial No. 677,403. 2 Claims. (Cl. 5—168.)



1. In a folding bed of the class described, the combination of: a wheeled carriage having cross members; a bed frame pivotally supported on said carriage so as to swing between raised and lowered positions; stabilizer members pivotally secured to the cross members of said carriage and adapted to rest below one of said cross members when in retracted position; manually operable gravity latches secured to said carriage, said latches retaining said stabilizers in retracted position; and mechanical means for automatically swinging said stabilizer members into extended position when said latches are released.

1,584,475. WINDOW. ANDREW RUMPLER, Cudahy, Wis. Filed Oct. 23, 1924. Serial No. 745,330. 10 Claims. (Cl. 20—53.)

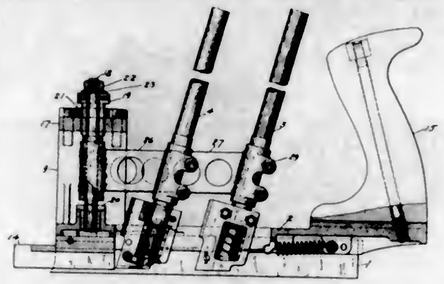


1. The combination with a window casing, of a window frame within said casing and intermediate the margins thereof, a window sash filling said frame and removably insertable from the interior of said casing, and an outer window sash hinged to the outer margin of said casing and flush therewith when in closed position, said frame having its outer margins in abutting relation to said outer sash when said outer sash is in closed relation.

1,584,476. GARTER WEAR. FRANK J. SCHALOW, Brooklyn, N. Y. Filed Oct. 12, 1925. Serial No. 61,893. 3 Claims. (Cl. 241—5.)

1. An article of apparel of the class described comprising two annular bands adapted to be mounted upon the leg of the wearer in spaced relation, a strap member joining said bands and said strap member being detachably and adjustably coupled with the separate bands circumferentially with respect to predetermined points on said bands.

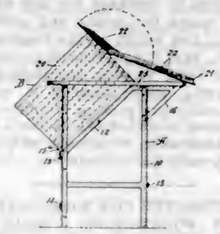
1,584,477. WASHER DISTRIBUTOR. CHARLES I. SCHROCK, Pasadena, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 9, 1923. Serial No. 667,564. 8 (Cl. 18—1.)



1. In a device for applying washers to the pins of heel molds, a frame, a plurality of washer distributors mounted in the frame, and resilient means adapted to adjust the distance between the distributors, and to permit each distributor to align with a series of mold pins, whereby the device is adapted to operate on different molds having different distances between the pins.

1,584,478. CARD-INDEX FILING CABINET. JACOB SCHWARZ, New York, N. Y. Filed Sept. 30, 1925. Serial No. 59,484. 5 Claims. (Cl. 45—2.)

3. The combination with a card index cabinet unit of the type having a plurality of drawers slidably mounted within said cabinet, said drawers being adapted to have a plurality of cards pivotally mounted therein arranged in superimposed overlapping relationship, of a support for said drawers when withdrawn from the cabinet, and of a supporting unit provided with an inclined support extending rearwardly and downwardly from the front

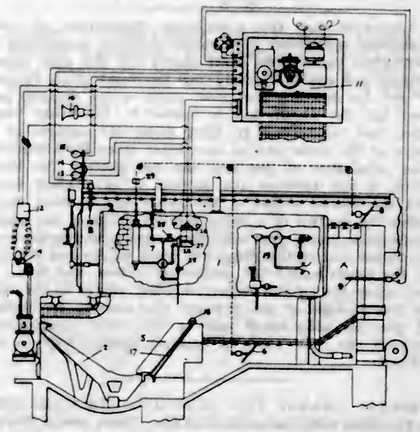


edge of said unit, said support being adapted to hold said cabinet with its front face inclined rearwardly and upwardly.

1,584,479. PROCESS OF MAKING PLATES FOR STORAGE BATTERIES USING LEAD SUBOXIDE. GENZO SHIMADZU, Kyoto, Japan. Filed Feb. 20, 1923. Serial No. 620,267. 4 Claims. (Cl. 136—27.)

1. The process of preparing plates for storage batteries, which consists in reducing metallic lead to a fine powder, exposing said powder to the air, mixing the same with liquid, kneading the mixture into the form of a paste, coating the plates with said paste, and drying the same thereby to convert the lead suboxide into lead monoxide and lead hydroxide.

1,584,480. SYSTEM OF COMBUSTION CONTROL. GORDON SIMMONS, Baltimore, Md., assignor of one-half to A. D. L'Esperance, Baltimore, Md. Filed June 6, 1923. Serial No. 643,677. 8 Claims. (Cl. 236—14.)



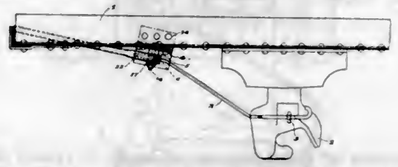
1. The combination with a boiler, a furnace, fuel feeding means, and air control means, of mechanism for governing both of said means to maintain a predetermined temperature difference between two definite locations in the gas passage.

1,584,481. FURNACE-RADIATOR CLEANER. JOHN L. SKUTTLE, Mason City, Iowa. Filed May 29, 1924. Serial No. 716,812. 1 Claim. (Cl. 15—242.)

In a cleaner, a rod formed of pivotally connected links with each alternate link formed of parallel link members and with the remaining links formed of single link members, a handle rigidly connected to one end link which is of the single link member type, a relatively short arm rigidly connected to the remaining end link which is of the parallel link member type, said arm having its free

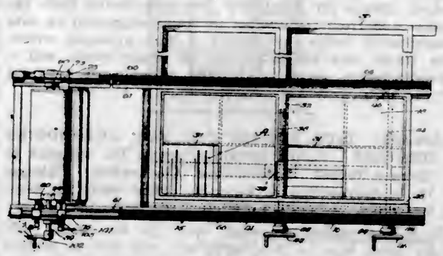
end reduced, a conoid scraper having its apex flattened and apertured to reversibly receive the reduced end of said arm, and means for holing the scraper in place.

1,584,482. UNCOUPLING DEVICE. ARTHUR E. SMALL, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed June 15, 1922. Serial No. 568,525. 12 Claims. (Cl. 213—164.)



1. An uncoupling device for car couplers comprising an operating lever, a pin lifting lever, and a common fulcrum, said operating lever having two bearings on said fulcrum, and said pin lifting lever mounted on the fulcrum between the bearings of the operating lever, said levers operatively connected together.

1,584,483. METHOD OF AND APPARATUS FOR MAKING PRINTING PLATES. LOUIS SMITH, Chicago, Ill., assignor of one-half to William L. Hall, Chicago, Ill. Filed Aug. 4, 1921. Serial No. 489,710. 25 Claims. (Cl. 101—252.)

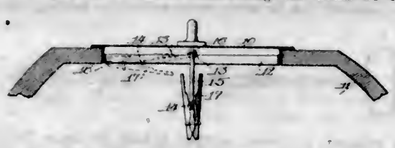


1. The method of producing printing elements, such as offset plates, lithograph plates, and the like, from printing forms which comprises the steps of proving and registering the forms on a support, rolling a cylindric transfer surface thereover to receive superimposed impressions from the forms, and finally transferring said superimposed impressions from the transfer surface to produce the desired plates.

1,584,484. WASHING-MACHINE ATTACHMENT. MARY ELIZABETH STEWART, Chicago, Ill. Filed Oct. 31, 1923. Serial No. 671,930. 2 Claims. (Cl. 68—21.)

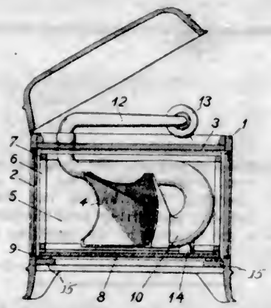
1. The combination with a support, an oscillating washing machine body mounted thereon having an opening in its upper portion for access to the interior thereof, a closure for said opening, tubular arbors mounted horizontally at opposite ends of said closure, a U-shaped hanger the ends of the parallel arms of which are provided with lateral trunnions that are removably positioned in said arbors whereby said hanger is disposed

pendent within said oscillating body, and spring clips mounted upon the member connecting the arms of said



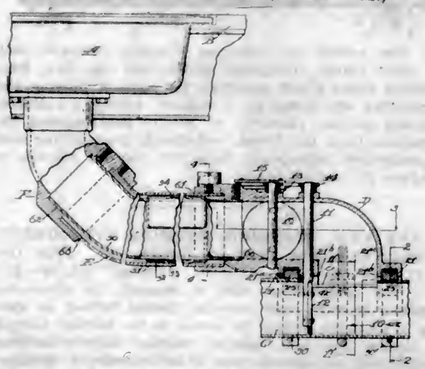
hanger from which clips articles are pendently hung and subjected to the action of the water when said body is oscillated.

1,584,485. CABINET TALKING MACHINE. CURT STILLE, Berlin-Zehlendorf, Germany, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Filed Dec. 4, 1922. Serial No. 604,869. 1 Claim. (Cl. 274—2.)



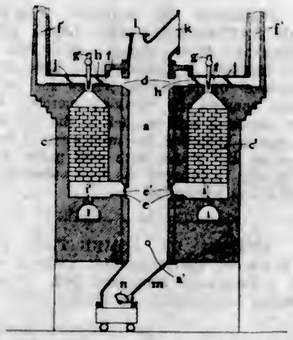
In a talking machine of the character described, the combination with a bottomless cabinet having perforated side walls, of ledges connected to the inside and lower part of said cabinet, a sound-board supported on said ledges, means for insulating the sound-board from the ledges and from the cabinet, a frame supported on said sound-board inside the cabinet, a horn arranged within the frame and supported on the sound-board, and a sound-reflector supported on the sound-board in front of the horn.

1,584,486. PIPE CONNECTION FOR AUTOMOBILE HEATERS. VICTOR SUSSIN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 29, 1924. Serial No. 740,438. 4 Claims. (Cl. 285—108.)



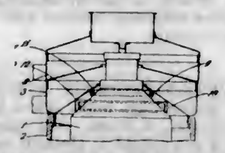
1. In combination with an exhaust pipe having a longitudinally extending aperture less than 180 degrees in circumferential extent, a coupling for a branch connection at said aperture consisting of a hollow fitting terminating at one end in a saddle-like flange structure of suitable extent longitudinally and circumferentially of the apertured pipe to overhang the end margins of said aperture, with means for closing and packing the junction of said pipe and saddle at the longitudinal margins of the aperture, said flange structure along its circumferential extent being recessed transversely of the pipe to provide packing seats; packing in said seats and means for expanding the packing laterally for seating it against the lateral walls of the recessed seats and simultaneously compressing it radially with respect to the pipe for tight seating on the latter.

1,584,487. APPARATUS FOR DISTILLATION OF CARBONACEOUS SUBSTANCES. EDGAR ROUSE SUTCLIFFE, Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Filed May 13, 1918. Serial No. 234,277. 1 Claim. (Cl. 202—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



Apparatus for the continuous distillation of carbonaceous substances by internal heating, comprising a distillation retort, two blast stoves for the said retort adapted for use alternately for the combustion therein of gas for heating the blast stove while heating gas used for the distillation is heated in the other blast stove and comprising an inlet under the control of a valve at the lower end of each blast stove for the alternate admission of gas and air for heating the blast stove, a flue between the bottom of each blast stove and the retort, a flue at the upper end of each stove under the control of a valve for the outlet of the waste combustion gases, flues affording communication between the upper end of the respective blast stoves and the top of the retort under the control of valves, and holes at the upper end of the respective blast stoves so set that on the passage of gas through the nozzles, circulation of gas from the upper end of the retort downwardly through the blast stove is induced, substantially as described.

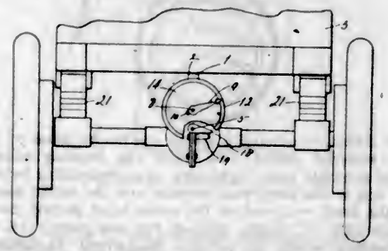
1,584,488. MEANS FOR REDUCING AIR CURRENTS IN CENTRIFUGAL MACHINES. KARL JOHAN SVENSSON and KARL AXEL PATRIK NORLING, London, England. Filed Aug. 3, 1923. Serial No. 655,502. 12 Claims. (Cl. 233—21.)



1. In a centrifugal machine for separating liquids of different specific gravities, in combination, a stand, a bowl provided with openings for the passage of separated

liquids, collecting vessels for the separated liquids disposed about said bowl, said vessels having a passageway affording communication between the same, and means for preventing liquid from being sucked from one collecting vessel to another, consisting of a ring attached to the bottom of one of said collecting vessels and adapted to reduce the speed of the air currents set up by the centrifugal motion.

1,584,489. WEIGHING DEVICE FOR VEHICLES. HARRY MINSTER SWARTLEY, Philadelphia, Pa. Filed Nov. 8, 1924. Serial No. 748,559. 2 Claims. (Cl. 265—42.)



1. The combination with a vehicle including a body and axle, of a frame carried by the vehicle body, a stationary dial having numerals thereon representing weights, a secondary dial rotatably mounted on the first mentioned dial and also having numerals thereon indicating weights and adapted to be manually rotated counterclockwise, a pointer movable over both dials, whereby the load in the vehicle and said load plus the weight of the vehicle are simultaneously indicated, a spring actuated lever coacting with the axle, and a gear train to transmit motion from said lever to the pointer

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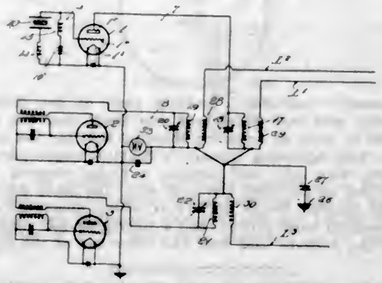
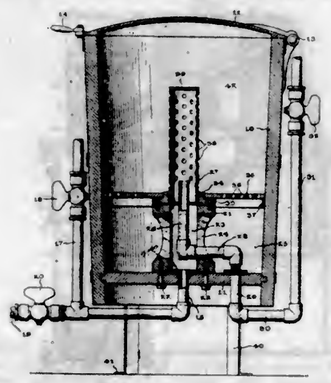
1,584,490. THREE-PHASE OSCILLATOR. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 30, 1925. Serial No. 72,412. 6 Claims. (Cl. 250—36.)



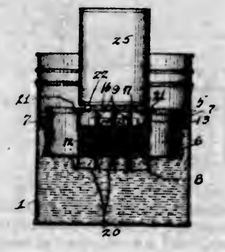
1. A three phase oscillator comprising in combination three independent sets of electron tubes, each having independent output circuits for generating single phase current, Y connected high frequency circuits with the output circuits of each of said tubes coupled with said Y connected high frequency circuits and constant frequency elements for controlling the frequency of each of the electron tubes in said Y connected circuits.

1,584,491. KIER SOLUTION CONTROLLER. ARTHUR F. TAYLOR, Kamapolis, N. C. Filed July 7, 1925. Serial No. 41,978. 3 Claims. (Cl. 8—18.)

3. A kier comprising a boiler having a block mounted on its bottom, said block having a central passage and radial passages connecting the central passage with the interior of the boiler, a perforated false bottom mounted on and supported by the upper end of the block thereby dividing the boiler into an upper and lower chamber, a tube connected with the block and alining with the central passage at a point on the block where the perforated false bottom is supported by said block, said tube being perforated and having its upper end closed and located within the upper chamber.



1,584,492. METHOD AND APPARATUS FOR HEATING GROVES OR ORCHARDS. BAYARD E. TAYLOR, Oak Park, Ill. Filed June 12, 1922, Serial No. 567,856. Renewed Jan. 26, 1925. 4 Claims. (Cl. 158—94.)

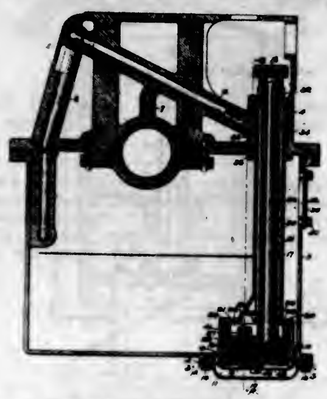


2. In combination, an oil receptacle, a pan adapted to float upon said oil, wick tubes projecting through the bottom of said pan, the upper ends of said tubes being below the upper edge of said pan, and air limiting and guiding appliances surrounding said wick tubes.

1,584,493. PADDING. JAMES H. TAYLOR, New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 18, 1924. Serial No. 707,459. 8 Claims. (Cl. 68—9.)

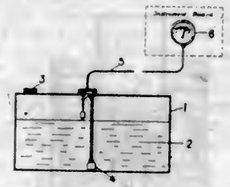
1. An ironing device, comprising a body, a plurality of adjacent heat-insulating members, movable connections between the same and said body so that said members are capable of movement towards and from the body, and resilient bearing means therefor between said body and members.

1,584,494. OILING SYSTEM. JOHN R. TILLMAN, Bridgeport, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1918. Serial No. 222,527. 4 Claims. (Cl. 184—6.)



1. In an oiling system for engines, the combination of a casing having an opening, a pump disposed within said casing and having a strainer, said pump and its associated parts being bodily removable through said opening and said strainer being individually removable through said opening, and a closure for said opening.

1,584,495. LIQUID-VOLUME INDICATOR. ADOLPH URFER, Brooklyn, N. Y. Filed June 19, 1924. Serial No. 720,883. 2 Claims. (Cl. 73—54.)

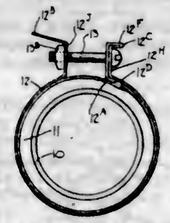


1. A device for indicating the quantity of liquid in a reservoir including an air-containing pressure-transmitting chamber immersed in and communicating with the liquid in the reservoir, an external pressure-responsive indicator having an air connection to the chamber, and a reciprocating inertia air pump adapted to be operated by bodily movement imparted to the pump so as to force air into said chamber to replenish the air supply therein.

1,584,496. LOADING APPARATUS. JACK RENWICK VERHOEFF, Chicago, Ill., assignor to Consumers Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1925. Serial No. 60,140. 10 Claims. (Cl. 198—99.)

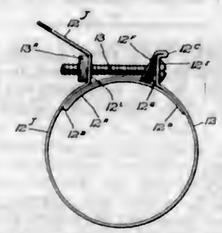
1. A loading apparatus of the character described, comprising a fixed upright frame, a carriage frame movable longitudinally with respect to the fixed frame, a conveyor operatively mounted on the movable carriage, a boom hingedly connected with the carriage frame to travel therewith and projecting through the upright frame, means operatively connecting the upright frame and the boom for adjusting the free end of the boom, and means for conveying material to the discharge end of the boom.

1,584,497. CLAMP. CHARLES VITEK, Chicago, Ill. Filed July 19, 1923. Serial No. 652,516. 1 Claim. (Cl. 24—19.)



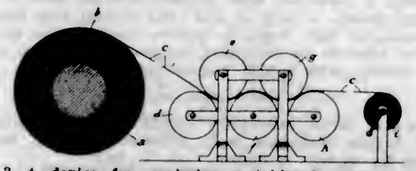
A clamp comprising a single continuous band of flexible material folded over itself and forming substantially a double band, tightening means extending between the end of the outer band portion and the folded portion of the band, said end of the outer band portion having a plurality of means adapted for engagement by said tightening means to provide diametrical variation of the clamp, the end of the inner band portion extending under a portion of the doubled band and bridging the space between the folded point and the outer band portion, and means integral with said end of the inner band portion for retaining the end of said inner band in alignment with the doubled band-portion.

1,584,498. HOSE CLAMP. CHARLES VITEK, Omaha, Nebr. Filed Aug. 13, 1924. Serial No. 731,799. 1 Claim. (Cl. 24—19.)



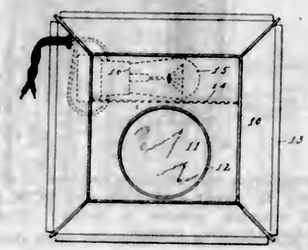
A clamp comprising a unitary band of flat flexible material, said band being bent over itself near one end thereof to form an angularly disposed wall for the head of the bolt tightening member, a doubled tongue portion integral with said wall forming a bridge between the other end of the band and said wall, the inner portion of said doubled tongue portion extending under the circumferential band portion, and a tightening bolt member extending between said wall and other end of the band.

1,584,499. METHOD OF AND MEANS FOR RENDERING METAL BANDS SUPPLE. FRANZ ZACHHUBER, Amberg, Germany. Filed Feb. 16, 1924. Serial No. 693,358. 3 Claims. (Cl. 29—1.)



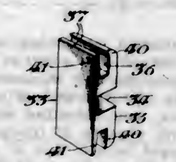
3. A device for rendering metal-bands supple, comprising, in combination, a plurality of members following each other in staggered arrangement and having each a curved peripheral surface which is curved in the direction of motion of the band, as well as transversely thereto, and means for drawing the metal-band through between said members, substantially as described.

1,584,500. VIEW SCOPE. GEORGE W. ANDREWS, Peoria, Ill. Filed Aug. 1, 1924. Serial No. 729,447. 2 Claims. (Cl. 88—39.)



1. A device of the character described having in combination a box having the shape of a frustum of a pyramid, the base of the box being open, a cover for said box provided with an opening therein, a magnifying glass mounted in said opening, flanges upon the bottom edges of the sides of the box adapted to form a slideway for pictures to be viewed through the magnifying glass, a partition depending from the inner surface of the top, the said partition being arranged between the magnifying glass and one of the sides, and an electric bulb mounted between the partition and the said box side for illuminating the picture to be viewed.

1,584,501. ORTHODONTIC APPLIANCE. EDWARD H. ANGLE, Pasadena, Calif. Filed Dec. 3, 1925. Serial No. 72,873. 6 Claims. (Cl. 32—19.)

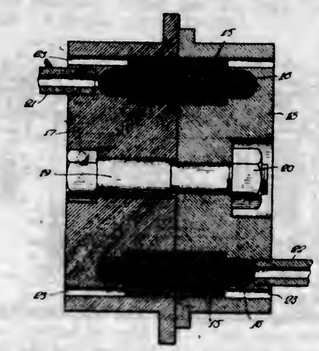


1. An orthodontic appliance comprising a tooth-band bracket having an arch-bar receiving slot in its outer face, and having its oppositely directed lateral faces recessed to form projections extending away from said slot.

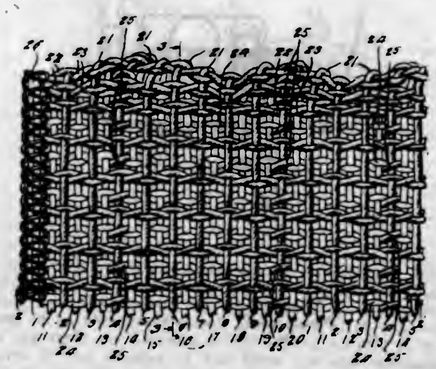
1,584,502. DYNAMO-ELECTRIC MACHINE. VINCENT G. APPLE, Dayton, Ohio. Filed Mar. 20, 1920. Serial No. 367,363. 28 Claims. (Cl. 171—252.)

11. A field magnet having a substantially annular core provided with an axial opening within which to insert an armature; windings on the core radially beyond the opening and extending axially beyond the core; an insulating armor in form of a ring at each end of the core enclosing the windings.

28. The method of making dynamo electric machines which consists in assembling the laminæ of which the magnetic portions are composed; making a self-supporting structure of the laminæ by primarily coating the laminæ with phenolic condensation product; applying pressure to the laminæ to cause the structure to hold together before complete reaction of the adhesive has taken place; placing the winding on the laminated structure; placing the structure in a mold and closing the mold; subsequently injecting liquid phenolic condensation product into the mold by application of pressure; and maintaining the pressure during the reaction of the adhesive and heating the mold and contents to cause reaction.



1,584,503. INTERWOVEN PADDING FOR USE ON IRONING MACHINES. BENEDICT M. AULL, Autun, S. C., assignor to Pendleton Manufacturing Company, Autun, S. C. Filed Nov. 3, 1924. Serial No. 747,525. 4 Claims. (Cl. 139—387.)

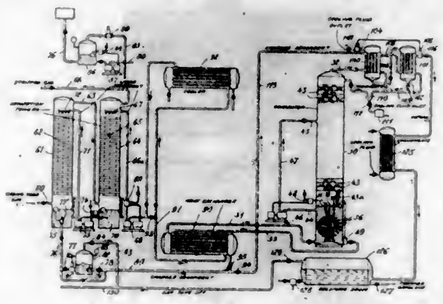


1. A process of weaving a padding for use on ironing or other machines, consisting in weaving a fabric in tubular form wtih a leno weave, and interweaving filling threads into both the front and rear portions of the tubular fabric to produce an interwoven double thickness of fabric.

1,584,504. GASOLINE-RECOVERY APPARATUS. HAROLD B. BERNARD, Tulsa, Okla., assignor to Sinclair Oil and Gas Company, Tulsa, Okla., a Corporation of Maine. Filed June 20, 1924. Serial No. 721,164. 8 Claims. (Cl. 196—8.)

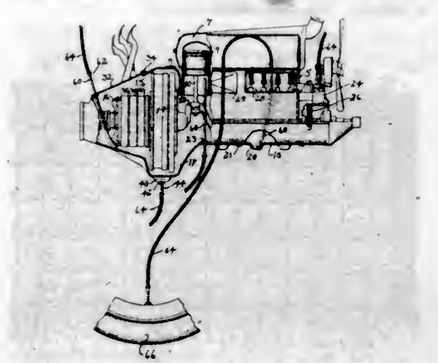
1. An apparatus for separating absorbed constituents from liquid absorbents comprising an exhausting tower, means for promoting gas and liquid contact and heat exchange in the tower arranged above the bottom thereof, a partition arranged in the lower part of the tower dividing it into a heated supply compartment and a discharge compartment opening upwardly into the tower, means for introducing charged liquid absorbent into the supply compartment, means for withdrawing liquid from the supply compartment and discharging the withdrawn

liquid into the tower over the upper part of the contact promoting means, means for conducting liquid from the lower part of the contact promoting means to the dis-



charge compartment, and connections for withdrawing vapors and gases from the upper end of the tower and for withdrawing liquid from the discharge compartment.

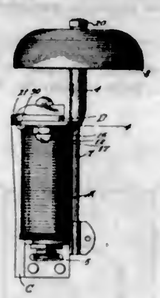
1,584,505. PROCESS FOR CLEANING AUTOMOTIVE POWER PLANTS. IRA JESSE BEVINS, Chicago, Ill. Filed Oct. 15, 1924. Serial No. 743,738. 4 Claims. (Cl. 141—1.)



1. In a process for cleansing automotive power plants, the steps which comprise, introducing cleansing fluid to the oil reservoir, applying compressed air to said reservoir to scatter the cleansing fluid over the engine parts, draining the cleaning fluid from said reservoir, then applying compressed air in jets to the engine parts to eliminate cleansing fluid therefrom, and finally applying said compressed air jets to said reservoir to remove cleaning fluid therefrom.

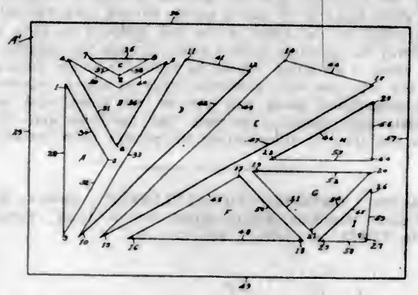
1,584,506. RINGER. ERNEST A. BOHLMAN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1921. Serial No. 435,089. 12 Claims. (Cl. 116—148.)

8. In an adjustable mechanism of the character described including a gong post, an integrally formed foot for said gong post, an eccentric member and an elliptical opening in said foot for receiving said eccentric member, a mounting member, pivot means for pivotally supporting said gong post to said mounting member, an actuating member secured to said eccentric member, and a screw passing through said actuating member and having screw-threaded engagement with said mounting member



pivotally supporting said eccentric member in said elliptical opening to permit said gong post to be adjusted when said eccentric member is rotated through the agency of said actuating member.

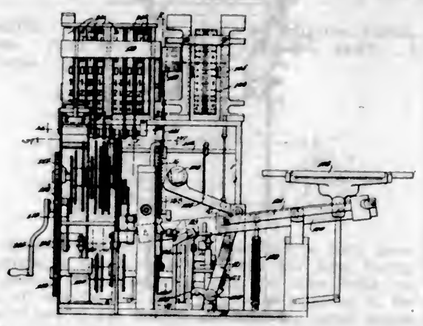
1,584,507. DRAWING IMPLEMENT. CARL O. T. BOLLING, Irwin, Pa. Filed Apr. 27, 1925. Serial No. 26,120. 1 Claim. (Cl. 33—104.)



A drafting instrument comprising an appropriately thin body portion formed with a pair of oblique triangular cut out portions disposed transversely of and inclining towards the rear edge of said body portion and one of greater area than the other, said body portion further formed with a series of triangular shaped cut out portions arranged between one of said oblique triangular cut out portions and one end of said body portion and certain of which being of substantially right angled contour and the other of which being substantially of equilateral contour, each of the cut out portions of said series being of a different area, said body portion further formed with a pair of triangular cut out portions between the other oblique triangular cut out portion and the other end of said body portion and each of which being of substantially equilateral contour, each of the cut out portions of said pair being of a different area, and said body portion further formed with a cut out portion of quadrilateral contour positioned between said pair of cut out portions.

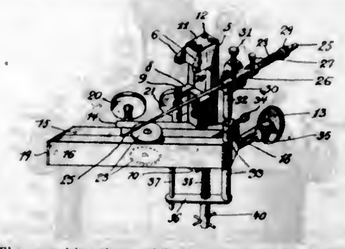
1,584,508. SCALE. FREDERICK G. L. BOYER and EDITH E. L. BOYER, Dayton, Ohio, assignors, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Feb. 4, 1922. Serial No. 534,038. 64 Claims. (Cl. 235—58.)

1. In a computing scale, a multiplying device comprising two elements, means for setting one of said elements in accordance with the weight of a commodity, means for setting the other element in accordance with the price of a commodity per unit of weight, one of said elements having a curved surface, means for imparting a motion of translation to one element in the direction of the radius of curvature of the curved element through



the ultimate point of contact, said curved element having a compensating curvature upon its curved surface to compensate for the precession of one of the elements during the initial setting thereof.

1,584,509. ADJUSTABLE HOLDER. ROBERT CHAMBERS, New York, N. Y. Filed Apr. 9, 1925. Serial No. 21,994. 5 Claims. (Cl. 88—40.)

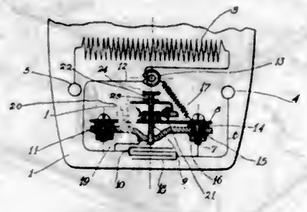


1. The combination with a micro-pipette or like device, of a holder therefor, yielding means for adjustably clamping said device in said holder, supporting means and mechanism for independently adjusting said device vertically and horizontally.

1,584,510. TRUSS PAD. DANA L. CHESTERMAN, Philadelphia, Pa., assignor to Chesterman Leeland Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1924. Serial No. 737,265. 1 Claim. (Cl. 128—112.)

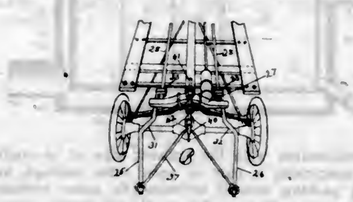
An article of the character stated, comprising a pad, a leg strap secured directly to the smaller end of said pad, a rubber pouch entirely covering said pad, an outer tubular, soft rubber extension through which said leg straps extend, said extension being vulcanized to the smaller end of said pouch and said tubular extension being shorter than said leg strap and an attachment strap secured to the free end of said leg strap.

1,584,511. ELECTRIC HEATING APPARATUS. RICHARD H. CUNNINGHAM, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, a Corporation of Delaware. Filed Apr. 22, 1924. Serial No. 708,175. 3 Claims. (Cl. 219—25.)



3. The combination of a heating coil, a conducting bar, a contact carried by said bar, a cap upon said bar, a mounting adjacent said cap, an adjusting screw in said mounting, to bear upon said cap, a thermostatic member adjacent said bar and insulated therefrom, a second contact carried by said member to co-operate with the first contact, a resistance between said bar and said coil, and a condenser in multiple with said contacts, for the purpose set forth.

1,584,512. AUTOMOBILE HOISTING DEVICE. WALTER MCDONALD CURTIS, Woodland, Ill. Filed Dec. 29, 1922. Serial No. 609,565. 2 Claims. (Cl. 294—82.)

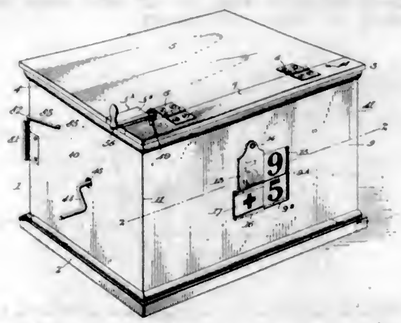


1. A tackle for raising automobiles, comprising a pair of arms, a bail connecting the arms at one of their ends, hook-like members adapted to engage the side members of an automobile chassis frame formed at one end of the arms, the hook-like members being adapted to receive in the recesses of the hooks the side members of the chassis of an automobile frame, and offset portions formed on the arms and extending in a direction outwardly from said hook-like portions whereby the bail connecting said arms rocks said arms in a direction to insure engagement of the hook-like portions with the chassis frame.

1,584,513. RAPID AND CHANGEABLE DRILL FOR MATHEMATICS, PHONICS, AND SILENT READING. STEWART K. DAVIS and ANNA B. DAVIS, Denver, Colo. Filed Jan. 12, 1925. Serial No. 1,914. 5 Claims. (Cl. 35—2.)

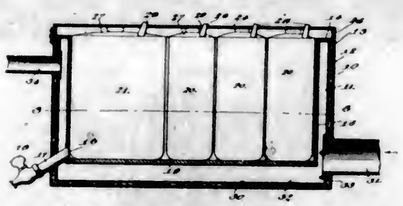
1. In an educational device; the combination of a cabinet; provided with a pair of discs one of which is adjustable with respect to the other, each of which is provided with educational indicia on its periphery; means including a crank for rotating said discs together; means for locking the adjustable disk in any position with respect to the other disk, to provide different combinations of numerals; an endless ribbon arranged to be moved at right angles to the rotary movement of said discs, provided with educational indicia; a right angled aperture in one side of said cabinet through which said

indicia may be exhibited; a slideway arranged to hold additional indicia to be used in connection with that seen through said aperture; a cover for said cabinet;



means for operatively supporting said rotating discs, means for moving said endless ribbon; and a swinging slide arranged to cover or uncover that part of said aperture registering with the adjustable disc.

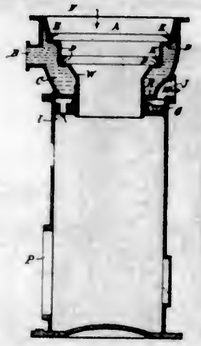
1,584,514. EXHAUST STOVE FOR AUTOMOBILES. GEORGE DEETER, Burbank, Calif. Filed May 20, 1925. Serial No. 31,573. 1 Claim. (Cl. 126—20.)



In combination with the exhaust pipe of an engine, a cooker comprising a pair of open outer casings, an insulating packing located between the outer casings, an inner casing having a flange at its upper open end projecting laterally therefrom and resting upon the upper edges of the pair of outer casings, the inner casing having less dimensions than the outer casings whereby the side walls and bottom of the inner casing are spaced from the respective side walls and bottoms of the outer casings to form a heating chamber between said inner and outer casings, a cover coextensive with an outer casing hingedly connected with said casing and provided with a peripheral flange adapted to rest upon the flange of the inner casing, a conduit adapted to connect the heating chamber with the exhaust pipe, and a discharge conduit connected with the opposite end of the heating chamber, a valve in the intake conduit for controlling the flow of hot gases to the heating chamber, a plurality of cooking pots located within the inner casing and provided with exhaust steam pipes, the cover being provided with perforations, the outer free ends of the steam pipes projecting through the perforations in the cover and a drain pipe conected with the inner casing and extending through and beyond the outer casings and cooperating to hold the inner casing in position in the outer casings.

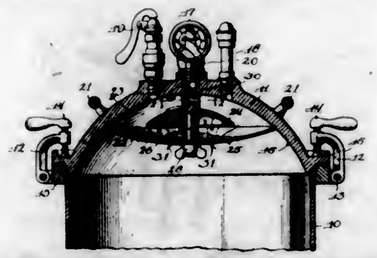
1,584,515. JET CONDENSER. ALBERT DELAS, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 24, 1920, Serial No. 353,866. Renewed Oct. 14, 1925. 5 Claims. (Cl. 261—118.)

3. A jet condenser comprising in combination, a mixing chamber provided with liquid-inlet and steam-inlet openings, baffle means against which the incoming liquid impinges and is directed into contact with the steam to be condensed, a second chamber into which said



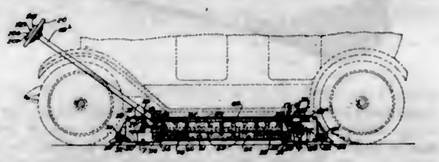
mixing chamber discharges, a pan-like container within said second chamber, and means for conducting gaseous fluid from the upper part of said second chamber, over said container and out of the condenser.

1,584,516. COOKING APPARATUS. ALFRED M. DEMUTH, Chicago, Ill. Filed Dec. 26, 1925. Serial No. 77,797. 8 Claims. (Cl. 53—1.)



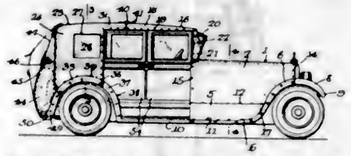
1. A cooking apparatus including in combination a cooking vessel, a cover forming a closure therefor, a partition arranged within the cover above the base thereof and co-operating with the cover to form a compartment therein, means removably securing the partition in position, there being passages through the partition forming communication between said compartment and the interior of the vessel, and a vapor baffle within the compartment, the said baffle being of a diameter considerably less than the diameter of the chamber, said partition being concaved in opposition to the opposite face of the cover.

1,584,517. APPARATUS FOR HANDLING AND STORING AUTOMOBILES. FREDERICK P. DINKELBERG, Evanston, Ill. Filed Feb. 19, 1923. Serial No. 620,118. 19 Claims. (Cl. 254—2.)



1. An apparatus for handling automobiles comprising a main body portion, frame pieces connected with said body portion, wheels mounted in said frame pieces, means for moving said frame pieces toward and from the body portion, and wheel engaging pieces carried by said frame pieces adapted to engage the wheels of the automobile so as to lift the automobile and support it.

1,584,518. AUTO COVER. WILLIAM F. DRAKE, Pueblo, Colo. Filed July 24, 1925. Serial No. 45,871. 3 Claims. (Cl. 296—136.)

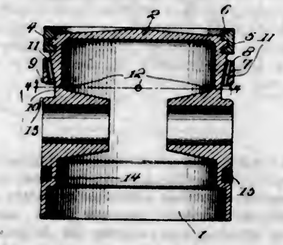


1. In a device of the class described, a body cover comprising a top, a back and sides, the sides having outstanding curved fender guards, the sides being cut away at their forward edges to form an extension at the forward end of the top, an auxiliary top cover, means for connecting the rear end of the auxiliary top cover detachably with the forward end of the extension, and means for holding the body cover on a car.

1,584,519. SUPPORT FOR WORK-MAGNIFYING LENSES. ARTHUR M. DRITZ, New York, N. Y. Filed June 30, 1925. Serial No. 40,600. 1 Claim. (Cl. 88—39.)

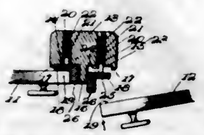
In a support for work-magnifying lenses, a lens frame, a stem having swiveled connection to said frame, an angular terminal on said stem, a tubular shank in which said stem terminal is rotatably and telescopically adjustable, means for retaining said elements against relative movement, and an attaching loop carried by the free end of the tubular shank for embracing the middle of the hand with the tubular shank disposed at the center of the back of the hand, whereby the device is supported from the band without interfering with the free use thereof in accomplishing the work.

1,584,520. PISTON AND RING. WILLIAM G. DUNCAN, Rockfield, Ky. Filed Sept. 30, 1925. Serial No. 59,635. 2 Claims. (Cl. 74—109.)



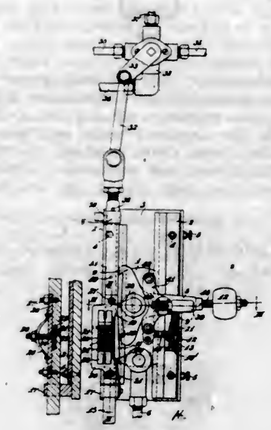
1. A piston comprising a member having its upper portion reduced and a conical head at its said reduced portion, a piston ring surrounding the head, said reduced portion having an integral annular flange provided at spaced intervals with longitudinal openings and defining annular grooves between the piston ring and the body of the piston, the lower groove having transverse ports communicating with the interior of the piston and disposed directly below the flange and a second piston ring seated in the body, as and for the purpose set forth.

1,584,521. WARNING SIGNAL. DANIEL F. EBBERT, Wheeling, W. Va. Filed Aug. 20, 1925. Serial No. 51,446. 4 Claims. (Cl. 116—114.)



3. The combination of a structure having a closure movable towards the structure, rods slidably mounted in the structure, a bar connected with the rods and guided by said rods, springs resisting movement of the rods and bar, said closure being adapted to engage the bar before final closing movement to check the speed of closing.

1,584,522. ENGINE-GOVERNING DEVICE. HAROLD EDENBOROUGH, Chelsea, London, England, assignor to Douglas Wise Driver, Asbford Hill, near Newberry, Berkshire, England. Filed Sept. 30, 1925. Serial No. 59,651. 14 Claims. (Cl. 264—1.)

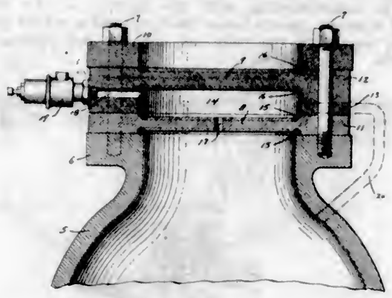


1. An engine governor of the inertia type including a reciprocating member, and a mass pivoted thereon, characterized by a slidable member mounted adjacent said mass, and means pivotally supported on said slidable member for connecting the same to said mass for movement thereby when the speed of the engine rises above and returns to normal.

1,584,523. PRESSURE-RELIEF DEVICE. CHARLES C. EGBERT, Niagara Falls, N. Y. Filed May 4, 1923. Serial No. 636,587. 10 Claims. (Cl. 220—89.)

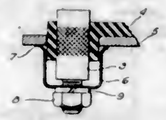
1. The combination with a receptacle containing fluid under pressure of a pressure-relief device characterized by having two fixed plates, each plate being provided

with weakened portions of predetermined strength, the plates being arranged with a space between them, and means for maintaining a constant fluid pressure in the



space, whereby one of said plates is normally balanced and subjected to pulsating pressure, and the other plate is subjected to steady pressure.

1,584,524. GROUND CONNECTION. RAYMOND C. FISHER, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 25, 1923, Serial No. 614,884. Renewed Oct. 16, 1925. 1 Claim. (Cl. 173—259.)

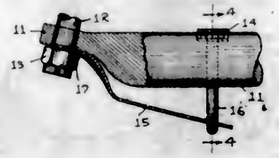


The combination, with a binding-post projecting through, but insulated from, a conductive body and provided with screw-threaded fastening means, of a grounding-device in the form of a metal cup, centrally perforated to receive said fastening-means, the free edge of the cup being pressed into engagement with the surface of said conductive body around the bind-post.

1,584,525. BRASSIÈRE. CLARA FREEMAN, Philadelphia, Pa. Filed Apr. 14, 1925. Serial No. 23,039. 6 Claims. (Cl. 2—42.)

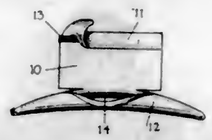
6. In combination, a brassière, means for adjustably fastening the brassière around the body and over and across the bust to permit of varying the pressure exerted by the brassière on the bust, and a bust supporting and separating body encircling band attached to the front of the brassière between the bust portions of the latter and free from said brassière at the sides of the bust portions, the attached portion of the band and brassière in worn position disposed between and separating the busts with the band in position around the body and between the body and busts, and means for securing the opposite lengths of the band together with the band around and encircling the body.

1,584,526. RADIUS-ROD SAFETY LOCK. EARL C. FULLER, Newhill, N. C., assignor to Leake-Fuller Sales Company, a Copartnership composed of James P. Leake, Raleigh, N. C.; Earl C. Fuller, Newhill, N. C.; John Q. Seawell, Silver City, N. C.; and Weldon E. Hawkins, Raleigh, N. C. Filed Jan. 10, 1925. Serial No. 1,671. 7 Claims. (Cl. 267—66.)



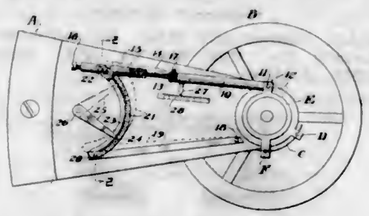
1. An attachment for radius rods comprising a body having a recess in each side adjacent its rear end for the reception of a fastening element and having its forward end inclined and provided with an offset flattened portion having an arcuate extremity for engagement with the threaded portion of the spring perch, substantially as set forth.

1,584,527. HAIR CURLER. NELL FULTON, New York, N. Y. Filed Jan. 25, 1926. Serial No. 83,611. 3 Claims. (Cl. 132—43.)



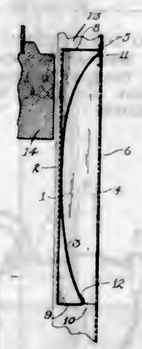
1. A hair curler including a body member, a roll member at one edge thereof, and a clamping member at the opposite edge thereof, said body member being provided with inwardly projecting slits parallel to and adjacent said roll member whereby the side portions of said body member may be infolded over the lock of hair and then rolled on said roll member.

1,584,528. THERMOSTATIC COMPENSATOR FOR CHRONOMETERS AND WATCHES. JAMES G. GRAINGER, Richmond, Calif., assignor to George A. Knox, Oakland, Calif. Filed Feb. 20, 1925. Serial No. 10,507. 2 Claims. (Cl. 58—110.)



1. In a chronometer, the combination with the balance wheel carrying the hair spring, and having a rotatable regulator member connected with the hair spring, a thermostatic element connected with said regulator member, a pivoted arm serving as a pointer, and a scale over which the pointer travels, said arm being movable to vary the effective length of the thermostatic element.

1,584,529. FLYTRAP. OSCAR T. GREGORY, Chicago, Ill., assignor of one-half to T. H. Curd, Paducah, Ky. Filed Sept. 22, 1924. Serial No. 739,099. 2 Claims. (Cl. 43—119.)



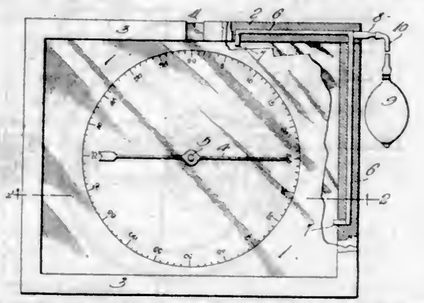
1. A fly trap comprising a pair of end plates arranged edgewise in substantially parallel spaced relation with two edges thereof lying in substantially the same plane so as to be adapted to lie against a supporting surface, a back embracing the other edges of said plates, prongs arranged on said other edges, said prongs projecting through said back and being bent to engage the outer face thereof for securing said back to said plates, one of the lateral edges of said back extending to substantially the plane of said two edges, the opposite lateral edge thereof being spaced from said plate to permit the ingress of insects, and a sheet of adhesive paper extending across the inner face of said back.

1,584,530. STEERING SLEIGH. SIDNEY S. GRIFFIN, Detroit, Mich. Filed Feb. 16, 1925. Serial No. 9,594. 1 Claim. (Cl. 280—16.)

In a sleigh of the character described including a platform, a front and rear truck beneath and supporting said platform, said trucks comprising an inverted substantially U-shaped frame, a brace element secured to the central portion of the yoke of said frame and having each end abutting the inner face of the legs of the frame, a substantially triangular plate member positioned against the outerface of each leg of each frame, a bolt extending through each plate and the adjacent leg and brace element end and pivotally securing the plate thereto, the lower edge of each plate being inturned to set up a foot, and a runner member secured against the underside of each foot and designed to oscillate longitudinally of the sleigh with the plate.

1,584,531. STEREOPTICON SLIDE. HUGH L. HAGAN, Oakland, Calif., assignor to Wheel O' Fortune Slide Company, San Francisco, Calif., a Corporation of California. Filed Sept. 4, 1924. Serial No. 735,920. 5 Claims. (Cl. 88—26.)

4. A device of the class described comprising a transparent plate adapted to be held in the slide holder of a light ray projector and a chance device comprising an annular series of indicating characters arranged on said plate and a spinner loosely pivoted on said plate for cooperation with said characters and adapted to be rapidly

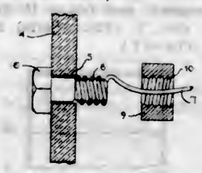


spun while the light rays are being projected through the plate, whereby the operation of the chance device may be observed upon a screen.

1,584,532. COMBINATION CAMP KIT AND TABLE. CHARLES S. HAMBLIN, Northfield, Minn. Filed Apr. 20, 1925. Serial No. 24,421. 1 Claim. (Cl. 190—12.)

A folding table having a depending apron and two pairs of legs all of the same length on the upper ends of which the top of the table is directly supported, the legs of each pair being attached to the table by upper and lower fixed pivots whereby the legs of each pair may be folded under said top the one directly above the other, the upper ends of the legs attached by the upper pivots having direct engagement with said top and the other pair of legs having slots through which the lower pivots extend, whereby the respective pair of legs may be moved endwise into engagement with said top, the legs attached by the lower pivots being held against pivotal movement by the apron when in operative positions.

1,584,533. TERMINAL FOR RESISTORS. HOWARD A. HANDS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 28, 1922. Serial No. 597,530. 3 Claims. (Cl. 173—258.)

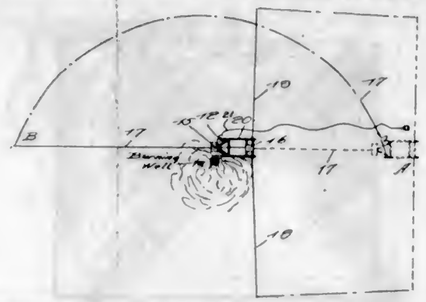


1. The combination with a threaded terminal member, of a conductor having a helically wound portion fitting the threads of the member and a threaded binding nut fitting the helically wound portion of the conductor for securing the conductor in conductive contact with the member.

1,584,534. METHOD OF AND MEANS FOR USE IN EXTINGUISHING OIL OR GAS WELL FIRES. JOHN G. HANNA, Dunedin, Fla. Filed Aug. 21, 1923. Serial No. 658,583. 7 Claims. (Cl. 169—1.)

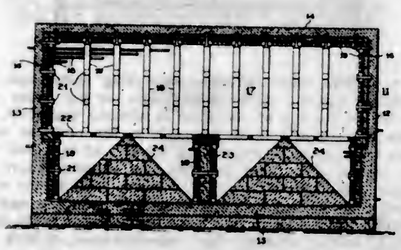
1. A method of positioning an explosive charge adjacent a burning oil or gas well consisting in supporting

a charge of explosive on a carriage in more or less proximity to the burning well, carrying a hauling cable around the burning well from said carriage to a point



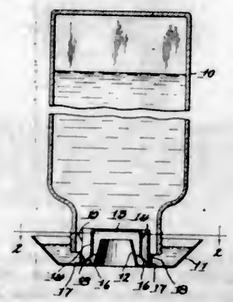
diametrically across from the carriage, and pulling the carriage into position close to the burning well where the charge may be exploded.

1,584,535. ELECTRIC FURNACE. JULIUS D. HAYNSWORTH, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1923. Serial No. 622,783. 5 Claims. (Cl. 204—64.)



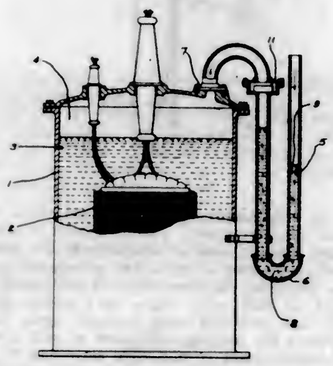
1. In an electric furnace, in combination, a plurality of refractory walls enclosing a furnace chamber, a working floor for said chamber, an electric heating element located below said working floor and means for reflecting the heat from said heating element upwardly against said floor and against material placed thereon.

1,584,536. POULTRY DRINKING FOUNTAIN. JOHN A. HEALY, Langdon, and JAMES H. HEALY, St. Paul, Minn. Filed Oct. 9, 1922. Serial No. 593,199. 3 Claims. (Cl. 119—77.)



1. In a device of the class described a drinking trough, a reservoir adapted to be secured to said trough, an upwardly projecting filling neck in the bottom of said trough, and a stationary cap rigidly mounted over said neck and formed with apertures adjacent to said trough, said neck and cap being arranged to normally form a seal to prevent the escape of water from said trough.

1,584,537. LIQUID DEOXIDIZER. LELAND H. HILL, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 10, 1924. Serial No. 736,841. 7 Claims. (Cl. 220-85.)



1. In combination, an electrical translating device partially filled with a gas and means comprising a liquid seal having an affinity for oxygen for permitting a transfer of gas between the interior of the translating device and the atmosphere.

1,584,538. SCALE-BEAM PIVOT. JAMES M. HINCHEY, Rutland, Vt. Filed Apr. 26, 1922. Serial No. 556,638. 4 Claims. (Cl. 308—2.)

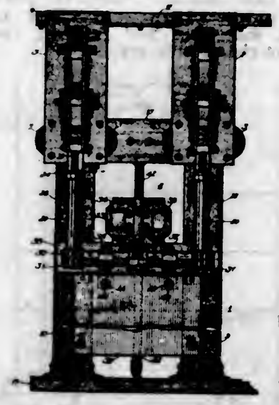
1. In a device of the class described, a beam having a substantially round bore therethrough, said bore having its edge cut away to form a notch, a substantially round plug fitting snugly in said bore and having a keyway opposite said notch, and a pivot bar seated in said keyway, said bar projecting into the opening and into said notch.

1,584,539. FOCUSING AND SWITCH MECHANISM. NEVIL MONROE HOPKINS, New York, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 6, 1922. Serial No. 534,578. 28 Claims. (Cl. 240—10.05.)

17. A flashlight comprising the combination of a casing, a reflector, an incandescent lamp, a holder therefor adjustable relatively to said reflector to alter the spread of the reflected light, a battery in said casing in circuit with said lamp, cam means in said casing between said battery and said holder arranged to move the holder in one direction, and a spring acting in opposition to the

cam and arranged to move the holder in the opposite direction independently of the cam when the cam is operated to permit such movement.

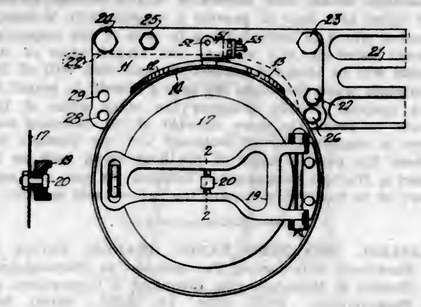
1,584,540. MAGNET CONTACTOR. GEORGE W. HUBY, Wilkinsburg, and HENRY D. JAMES, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 4, 1920. Serial No. 378,792. 4 Claims. (Cl. 175—298.)



1. A switching device comprising a fabricated metal main panel, an auxiliary insulating panel, insulating members for supporting the auxiliary panel in spaced relation to said main panel, a switch member mounted on said auxiliary panel, a movable contact member insulated from and mounted on the main panel for coacting with said switching member, and an actuating device for operating said contact member mounted on said main panel.

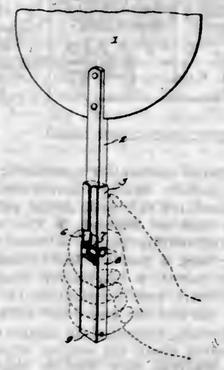
1,584,541. LIGHT SIGNAL. SAMUEL P. HULL, New York, N. Y. Filed Dec. 5, 1924. Serial No. 754,214. 2 Claims. (Cl. 240—52.)

1. In a light signal the combination of a cylindrical housing with a lens and a source of light and an adjustable support for said housing, said support comprising a vertical ridge secured to said housing at right



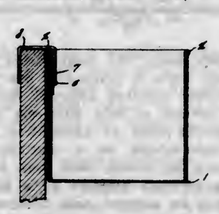
angles to the longitudinal axis thereof and a supporting member, said ridge secured to said member by two bolts and by two studs acting against each other.

1,584,542. FAN. VONNIE DILLON HUMPHREY, Lake View, S. C. Filed Nov. 25, 1924. Serial No. 752,241. 3 Claims. (Cl. 230—33.)



1. An auxiliary handle for hand operated fans, comprising a socket to receive the handle of a fan therein, a spring tongue in the socket to engage with the handle for holding said handle in place, a hand hold pivotally connected to the socket, and spring means between the hand hold and socket for holding these elements normally in alignment.

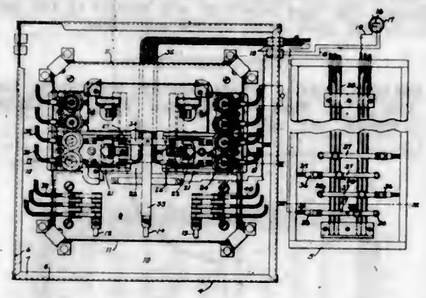
1,584,543. PAN. CHARLES JENKS and CHRIS E. NELSON, Darlington, Wis. Filed May 13, 1924. Serial No. 713,104. 1 Claim. (Cl. 220—18.)



A drainage pan for undertaker's and embalmer's use, comprising a substantially rectangular container and a flanged cover for frictionally engaging the mouth of the

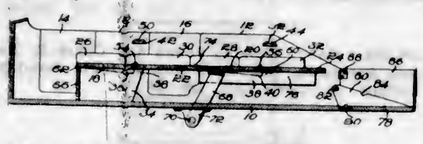
container, said container having spaced aligning sockets on one of the inner side walls thereof, substantially U-shaped hooks, each formed of a rod member having its inner arm bent to provide a substantially V-shaped portion which is journaled one in each of the respective socket members, and whereby the hinged arms of the hooks will be arranged against the said side wall of the container when the hooks are swung therein to permit of the operator readily grasping the outer arms of the hooks to swing the same outward of the container and over a support for the container and the distance between the parallel arms of the hook being such as to exert a frictional engagement between the pan and support as to immovably sustain the pan on said support.

1,584,544. METERING PANEL BOARDS. OLIVER S. JENNINGS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,741. 9 Claims. (Cl. 247—10.)



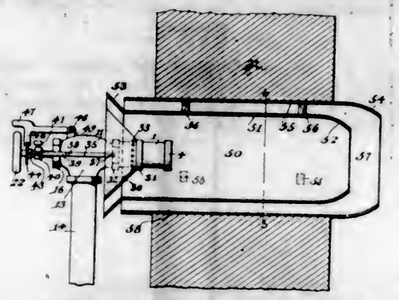
1. Metering-panel mechanism comprising a housing, a pair of panel devices having current-controlling members thereon connected to a load circuit and to auxiliary feed terminals and so disposed in the housing as to provide a central wiring gutter between the panel devices, metering bars, a feed bus bar extending along the central wiring gutter, a conductive support for connecting an auxiliary feed terminal to the bus bar and for supporting the bus bar above the wiring gutter, and insulated conductors connected to auxiliary feed terminals and extending along the central wiring gutter and having means whereby they may be connected to any selected metering bar.

1,584,545. CONVERTIBLE BODY FOR VEHICLES. HENRY L. JOHNSON, Roslindale, Boston, Mass. Filed Nov. 24, 1920. Serial No. 426,118. 2 Claims. (Cl. 296—65.)



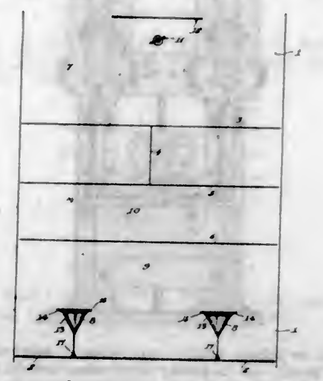
1. In a vehicle body, the combination of a pair of longitudinal side walls, a transverse seat and back-rest pivotally connected together adjacent the rear of said seat and the bottom of said back-rest to permit the latter to be swung from an upstanding position rearwardly and downwardly to a reclining position, a pivotal mounting on which said seat is mounted to swing from an inclined position to a horizontal position, and means to support said back-rest in an upstanding or a reclining postion and to utilize forward and backward swinging movement of said back-rest to produce downward and upward movement of the rear edge of said seat.

1,584,546. NATURAL-GAS BURNER. MORTIMER JONES, Fort Worth, Tex. Filed Sept. 4, 1925. Serial No. 54,517. 6 Claims. (Cl. 158—119.)



3. A natural gas burner comprising a nipple adapted to communicate with a gas supply, a jet element secured to the inner end of said nipple and formed with concentric rows of openings, a conoidal shaped air supply controlling element slidably mounted on said nipple and formed with a row of openings, a throttle valve mechanism connected with said air supply controlling mechanism and operating in said nipple and provided with means to simultaneously control said jet element and supply element, and a shell surrounding said supply element, nipple and jet element, spaced therefrom and projecting inwardly from said jet element and providing a mixing chamber with which the openings in the air supply and jet elements communicate, said shell having a flaring outer end and a converging inner end, said converging inner end spaced a greater distance from said jet element than the distance between the latter and said flaring outer end.

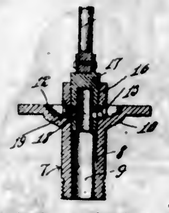
1,584,547. GAME APPARATUS. RALPH E. JONES, Columbus, Ga. Filed Nov. 14, 1925. Serial No. 69,051. 16 Claims. (Cl. 273—85.)



1. A game apparatus comprising a plurality of dividers for dividing a playing field into and controlling the playing spaces for offense and defense, projectiles in the form of globular elements for the offense, spaced stationary receivers for the projectiles to complete the offensive movement and arranged solely at the rear of the playing space for the defense, and portable arresters to interrupt the offensive action and including flexible means to receive and hold the projectiles to prevent these latter entering the receivers.

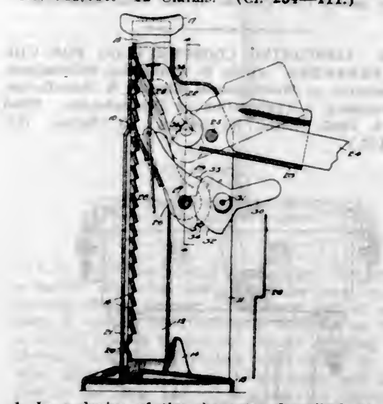
15. A game apparatus comprising manually thrown projectiles for the offense, suspended receiving means for said manually thrown projectiles to complete the offensive movement, and a manually carried offensive action arrester element for receiving and holding the manually thrown projectiles to prevent the same entering said suspended receiving means and including a flexibly connected projectile receiving receptacle.

1,584,548. OIL-TANK VALVE. THEODORE E. KARPE, East Enid, Okla. Filed Aug. 21, 1922. Serial No. 583,324. 1 Claim. (Cl. 137—21.)



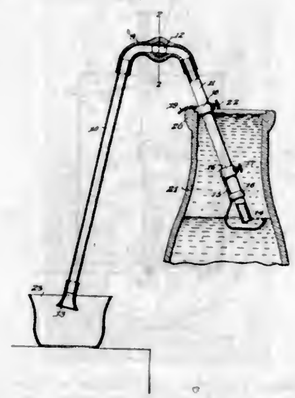
An outlet leg for tank cars having a longitudinal bore tapering downwardly from its larger upper head, a tapered plug valve seated therein and having a longitudinal cavity to communicate with the bore in said leg and having openings in its side walls communicating with said cavity, an annular flange extending outwardly from the leg between its ends, said flange in its upper face having an annular groove surrounding said leg, said annular groove having diametrically extending grooves, and said leg being provided with openings in alignment with said diametrically arranged grooves.

1,584,549. LIFTING JACK. DANIEL A. KEATING, Bridgeport, Conn., assignor to The American Tube and Stamping Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 13, 1924. Serial No. 743,444. 12 Claims. (Cl. 254—111.)



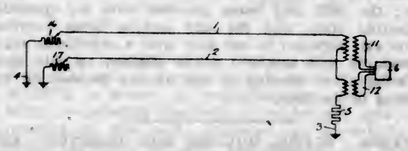
1. In a device of the character described, the combination of a casing, a slidable rack in the casing, pivoted lifting and retaining pawls adapted to engage the rack, an operating lever for actuating the lifting pawl, a spring supporting and shifting lever having one end pivoted in the casing and having its opposite end perforated, said spring supporting lever and retaining pawl having a common pivoted center, a spring having its central portion supported in said perforation and having its free ends engaging the pawls, and a cam for rocking said spring lever to flex the central portion toward or away from the rack and urge the ends thereof and the pawls toward or away from the rack, said spring remaining flexed in the same direction, depending upon the position of said cam, during oscillations of the operating lever.

1,584,550. CREAM REMOVER. WALTER B. KELLOGG, Superior, Wis. Filed Oct. 9, 1924. Serial No. 742,688. 2 Claims. (Cl. 137—20.)



1. In a siphon, a fender element comprising a relatively shallow cup for coaction with and to surround the intake end of a siphon tube in spaced relation throughout with respect thereto and of materially greater diameter than the diameter of such intake end, a narrow stationary arm for vertically suspending said cup with respect to such intake end and formed of an upper and a lower leg angularly disposed with respect to each other, said lower leg integral with and extending upwardly and inwardly from the top edge of said cup at an inclination, said upper leg extending at a rearward inclination throughout with respect to the upper end of the lower leg and with the median line of the upper leg lying in a plane including also the axis of the cup and adapted to be arranged in parallelism with respect to the siphon tube at a point removed from the intake end thereof, and a pair of spaced bands integral with and projecting from the inner face of the upper leg for connecting it to said tube.

1,584,551. RADIO RECEIVING SYSTEM. EDWARD W. KELLOGG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 29, 1924. Serial No. 746,648. 6 Claims. (Cl. 250—20.)

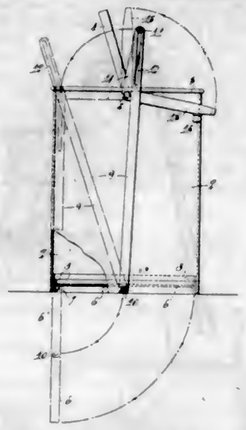


1. The combination in a radio receiving system of a long horizontal antenna made up of two parallel conductors, means at one end of said antenna for producing reflections of different phases in the two conductors and means for adjusting the reflections in one of said conductors.

1,584,552. ASH CAN. DARYL H. KENT, Vancouver, British Columbia, Canada. Filed Sept. 29, 1925. Serial No. 59,348. 4 Claims. (Cl. 220—36.)

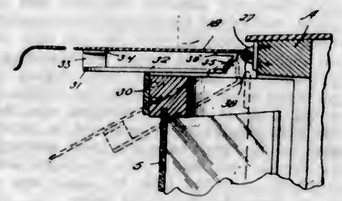
2. An ash-can, comprising in combination, a can open at the top, a bottom hinged to the lower end to open outward, a bail pivotally mounted on the upper end of

the can, said bail having a lever upwardly projecting from it adjacent its pivot when said bail is in the horizontal position, means for checking movement of the bail



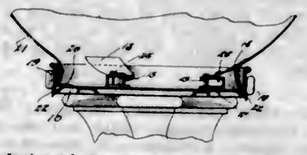
with the upper end of its lever a slight distance beyond a vertical line through its pivot, and a rod connecting the upper end of the bail lever to the bottom of the can.

1,584,553. AWNING FOR AUTOMOBILES. JOHN J. KILLIP, Astoria, Oreg. Filed Jan. 5, 1925. Serial No. 593. 4 Claims. (Cl. 296—95.)



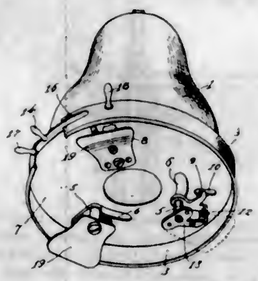
1. In combination, an automobile body, a door hinged thereto and arranged to swing horizontally, an awning hingedly mounted on the body above the door and arranged to swing vertically and to gravitate to idle position, and means associated with the door and the awning whereby said awning will be raised by the door as the door is opened and will be maintained in raised position by the door when the latter is in open position; the said door being provided with an upwardly projecting strip, and the said awning being provided at its side adjacent to the door with a curvilinear track opposed to and arranged to be engaged by said strip to bring about opening of the awning incident to the opening of the door.

1,584,554. GLOBE HOLDER FOR ELECTRIC AND GAS LIGHT FIXTURES. WILLIAM O. KLEINE, Cincinnati, Ohio. Filed Jan. 24, 1922. Serial No. 531,484. 5 Claims. (Cl. 240—135.)



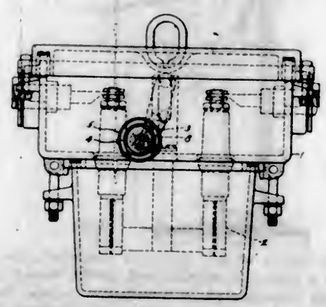
5. In a device of the character described, a relatively fixed plate, with resilient supports thereon for a light shade, a plate mounted to oscillate on the relatively fixed plate, shade holders to engage the shade from the inside, and mechanism intermediate the two plates whereby the movement of the oscillating plate will oscillate the shade holders to engage the shade from the inside.

1,584,555. CLAMP HOLDER. WILLIAM O. KLEINE, Cincinnati, Ohio. Filed Dec. 1, 1922. Serial No. 604,244. 2 Claims. (Cl. 240—133.)



2. The combination with a support for a lamp and a circular plate associated therewith, of a rotatively movable plate mounted parallel to said circular plate, a stud carried by said circular plate and projecting through said movable plate, a member mounted upon said stud and provided with a projecting portion for engaging said movable plate and with globe clamping portions on opposite sides of said plates, said plates being provided with openings for said stud and the projecting portion on the said member mounted thereon whereby said globe clamping portion is moved into and out of clamping position as the supporting plate is rotatively moved into the one or the other direction.

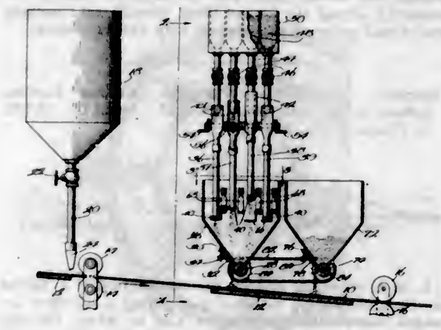
1,584,556. INDICATING CLOSURE PLUG FOR CIRCUIT BREAKERS. FLOYD B. KNISKERN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1925. Serial No. 54,918. 15 Claims. (Cl. 100—167.)



8. In combination, a movable member, a casing therefor having an opening, a member for insertion in said opening and coacting with said movable member to indicate the position of the latter.

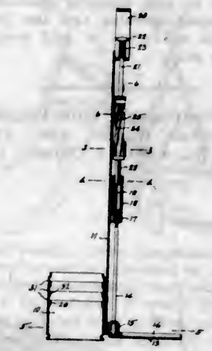
1,584,557. METHOD AND MACHINE FOR COATING ROOFING AND THE LIKE. HENRY C. KOCH, Chicago, Ill. Filed Aug. 5, 1925. Serial No. 48,238. 6 Claims. (Cl. 91—43.)

1. In a coating machine for roofing and the like, means for supporting the strip to be coated, a plurality of spouts for delivering the coating material onto it, and means for causing a compound relative movement



between the strip and the spouts, and a relative movement between the spouts to apply the coating material in sinuous, non-coincident curves.

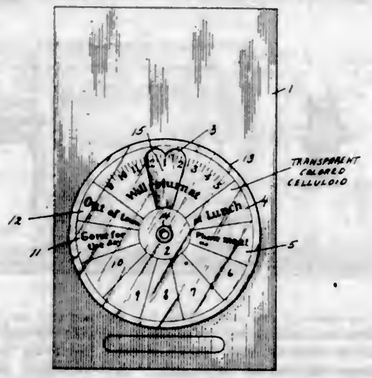
1,584,558. DIPPER. EMIL KRAFFT, Weehawken, N. J. Filed Aug. 17, 1925. Serial No. 50,790. 2 Claims. (Cl. 65—28.)



1. A dipper comprising a cylindrical open ended body, a handle connected therewith at its lower end, a semi-annular slotted portion at the lower end of said dipper body, a vertical shaft rotatably mounted on the handle, a bottom secured thereto for lateral swinging movement through the slotted portion respectively to closed or open relation with respect to the body, and means carried by the upper end of the handle for effecting swinging movements of said bottom in opposite directions, said means comprising an axially movable threaded element having splined connection with the upper end of the shaft, a complementary threaded bearing therefor, and a bushing rod extending through the upper end of the dipper handle and swiveled to said element.

1,584,559. MONITOR. FRED H. KROGER, Brooklyn, N. Y., assignor to American Art Works, Coshocton, Ohio. Filed Nov. 11, 1924. Serial No. 749,129. 2 Claims. (Cl. 40—61.)

1. A monitor comprising a sheet of stiff material, a pivot passing therethrough, said sheet having a plurality of notations around the pivot and an indicator covering the notations and rotatable on said pivot, said indicator consisting of a sheet of colored incompletely transparent material having an opening for exposing the



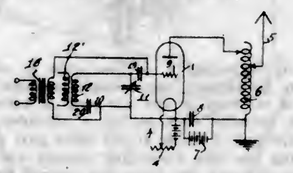
desired notation whereby the notations under the colored material are visible but differentiated from the notation exposed by the opening.

1,584,560. DENTAL FILLING MATERIAL. PAUL W. KRUGER, Boyett, Miss. Filed June 19, 1924. Serial No. 721,139. 3 Claims. (Cl. 106—6.)

1. A dental cement comprising magnesium oxide and eugenol as a setting liquid having setting reaction with the cement powder to harden with it.

3. A dental cement comprising kaolin, magnesium oxide and eugenol.

1,584,561. SENDING SYSTEM. LUDWIG KÜHN, Charlottenburg, near Berlin, Republic of Germany, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 3, 1921. Serial No. 498,566. 2 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

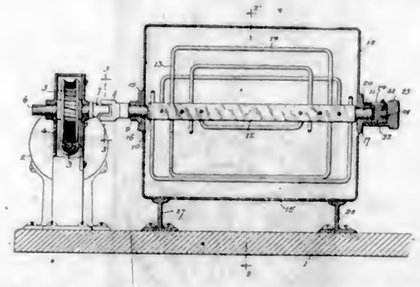


1. In a non-regenerative vacuum-tube amplifier including a grid, a filament and a plate, a grid circuit including a source of radio-frequency and a tuning device co-operating therewith to render said grid circuit resonant to said radio frequency, an all-metallic connection between the grid and filament for removing grid charge and stopping condensers on each side of said source of radio frequency preventing the grid charge from passing through said source of radio frequency.

1,584,562. CREAM-WHIPPING DEVICE. CARL A. KULENKAMPFF, Brooklyn, N. Y. Filed May 20, 1925. Serial No. 31,563. 3 Claims. (Cl. 259—110.)

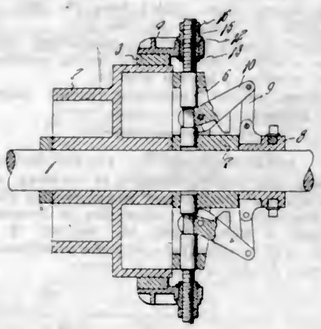
1. In a cream whipping machine, a container and a beater arranged in the container, said beater comprising journal members for presenting supports, a squared central section acting to beat the cream adjacent thereto and a plurality of beating arms extending radially from the squared section, each of said beating arms being

connected by a bar parallel to said squared section, said arms extending radially from each face of the squared section with certain of the arms bent at different angles, said arms and the respective bars being also of different



lengths whereby the connecting bar thereof will be spaced at different distances from said squared section and from the ends of the container thus providing beating members distributed throughout the container as the device operates.

1,584,563. ADJUSTABLE SHOE FOR REVOLVING CLUTCHES. GEORGE E. KUYKENDALL, Drumright, Okla. Filed May 10, 1924. Serial No. 712,397. 1 Claim. (Cl. 192—111.)



Means for adjusting a friction shoe in relation to the part to be gripped, comprising a member to which the shoe is attached, a nut rotatably mounted in said member, a movable stem having a threaded part for receiving the nut, a flange at the outer part of the nut for engaging the shoe supporting member and a groove in the nut adjacent the inner end thereof and a split ring in the groove for holding the shoe supporting member between itself and the flange.

1,584,564. TENSION DEVICE FOR LOOM SHUTTLES. DOTRY W. LANCE, Monticello, Ark. Filed July 28, 1925. Serial No. 46,612. 1 Claim. (Cl. 139—217.)

In a tension device for a shuttle, the combination with the recessed end of a shuttle and the threading member located therein and having a passage for the thread and alined openings in the opposite walls of the thread passage, of a block in one of said openings bearing against one wall of the recess, a block in the other opening and bearing against the first block within said passage to grip a thread therebetween, and a spring between the second block and the adjacent wall of the recess for urging the second block through said opening into thread gripping cooperation with the first block.

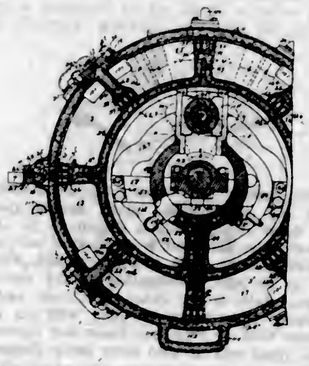
1,584,565. CONVEYING SYSTEM. KONRAD LANGER, Buffalo, N. Y. Filed June 22, 1925. Serial No. 38,705. 20 Claims. (Cl. 214—1.)

1. In a conveying system, the combination of a hopper car for transporting material and having a conveyor arranged underneath the hoppers and to which the material may be discharged from the hoppers, said conveyor discharging the material at an end of said car, a source of power in said hopper car adapted to propel said hopper car and also adapted to be connected with said conveyor of said hopper car for actuating the same, and a dumping machine having a conveyor adapted to receive material from the conveyor of said hopper car, a second conveyor on said dumping machine which is adapted to swing into different angular relations to said dumping machine and which receives the material from the other conveyor of said dumping machine, and a source of power in said dumping machine adapted to propel said dumping machine and also adapted to be connected to both conveyors on said dumping machine for actuating the same.

1,584,566. FOUNTAIN SHOE-POLISH DAUBER. RAYMOND LAPIERRE, Whipple, Ariz. Filed Jan. 24, 1925. Serial No. 4,480. 2 Claims. (Cl. 15—135.)

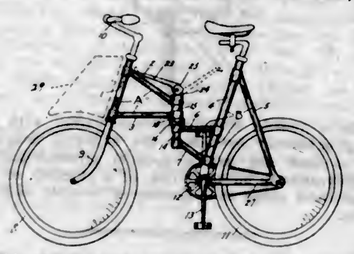
1. In a device of the character described, a handle having a vertical opening in an end portion thereof, a brush comprising a tubular core having the upper end portion thereof secured in said opening in the handle, said tubular core depending from said handle, bristles arranged about the core underneath said handle, said bristles depending below the lower end of the core, and a clamping ring surrounding the upper end portions of the bristles and clamping said upper end portions of the bristles to the depending portion of said core, and means within the upper end portion of said core for connecting said core with the discharge nipple of a collapsible container for a plastic substance.

1,584,567. ENGINE. HOWARD S. THORPE, Yonkers, N. Y. Filed Aug. 31, 1921. Serial No. 497,115. 40 Claims. (Cl. 123—18.)



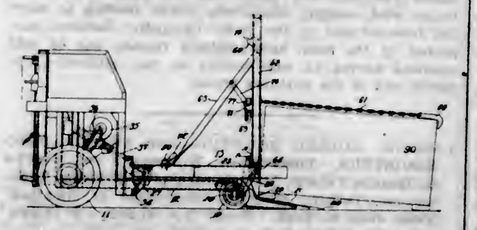
1. In an engine, an arcuate cylinder, a piston oscillatable therein and means for changing the stroke of the piston during the operation of the engine.

1,584,568. BICYCLE AND THE LIKE. CHARLES HASKELL CLARK, New York, N. Y. Filed Feb. 17, 1922. Serial No. 537,180. 10 Claims. (Cl. 208—105.)



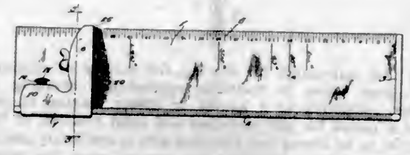
1. A bicycle or similar device comprising a rear frame to which the rear wheel is connected in the usual way, an upwardly projecting coupling stem rigidly connected to said frame, a front frame to which the front wheel is connected and provided with a sleeve pivotally mounted upon the upper end of said upwardly projecting portion of the stem, and means cooperating with said stem and sleeve for effecting an interlocking engagement between the same.

1,584,569. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 18, 1922. Serial No. 588,751. 6 Claims. (Cl. 214—65.)



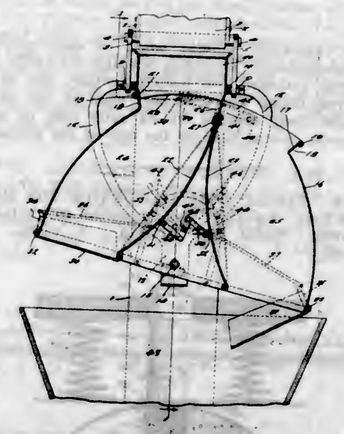
1. The combination with a truck having a raisable platform, a tilting support adapted to be projected beneath and pick up a load, and operative connections between the tilting support and the platform, including an upright frame and a reacting means between the tilting support and upright frame disposed above the platform.

1,584,570. COMPOSING STICK. WELLER R. CRANDALL, Leavenworth, Kans., assignor to George R. Adams, Los Angeles, Calif. Filed Mar. 30, 1923, Serial No. 628,933. Renewed Jan. 18, 1926. 3 Claims. (Cl. 276—39.)



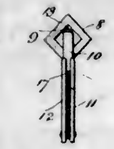
1. The combination with a composing stick, of a head fitted thereto and having an opening extending therethrough longitudinally of the stick, a rest disposed at the inner side of the head, a threaded stem extending from the rest through the opening in the head, and a nut mounted on the said stem and bearing against the outer side of the head.

1,584,571. MEASURING GRAIN DEVICE. THOMAS DECKER, Chattanooga, Okla. Filed May 6, 1925. Serial No. 28,460. 4 Claims. (Cl. 249—34.)



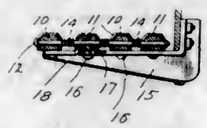
1. In a device for the purpose set forth, a counterbalanced frame, a spout associated therewith, a hopper pivotally secured to the lower portion of the frame and having the end walls of its mouth contactible with the spout for limiting the swinging of the hopper, said hopper being divided into two compartments, a swingable door closing each of the compartments, means for locking the hopper on the frame to arrange one of its compartments in grain receiving position, and means for delivering grain into the hopper, means between the grain receiving door and the frame for opening the latter when the frame is moved downwardly by the weight of the grain in the said compartment and to release the holding means to permit of the swinging of the hopper to bring its second compartment into grain receiving position, and means between the door of the second compartment and the frame for closing and locking said door when its compartment is in grain receiving position.

1,584,572. INSTRUMENT FOR CIRCULARLY GROOVING TUBES, DECANTERS, AND OTHER GLASS PIECES. FRANCISCO FOZ BELLO, Barcelona, Spain. Filed June 12, 1925. Serial No. 36,761. 2 Claims. (Cl. 49—52.)



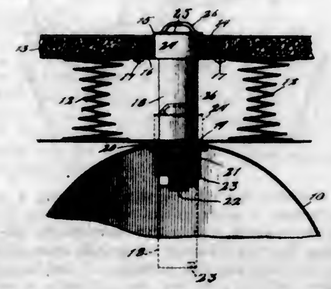
1. An instrument for scoring the surface of cylindrical glass ware, to facilitate symmetrical breaking of same, consisting of a handle or holder, having at one end a recess for the reception and axial rotation of the article to be scored and provided with a stationary means for scoring the surface of the article, when the latter is rotated on the recessed portion of the holder.

1,584,573. RUNNING BOARD OR STEP FOR AUTOMOBILES. WINALOE U. STONEHILL, Cincinnati, Ohio. Filed Aug. 13, 1923. Serial No. 657,016. 9 Claims. (Cl. 280—169.)



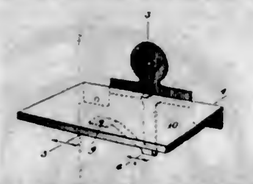
1. An automobile running board or step comprising spaced longitudinally extending laterally and bodily yieldable strips arranged one behind another, one of said strips constituting the outermost edge of the running board and being exposed on its outer side to impact from objects moving towards the side of the automobile.

1,584,574. GASOLINE-FILLING DEVICE FOR MOTOR VEHICLES. FRANK P. TYE, Maywood, Ill. Filed Nov. 17, 1923. Serial No. 675,415. 1 Claim. (Cl. 220—86.)



In association with a tank having an interiorly threaded inlet opening and a seat cushioned above the tank and the opening, said seat having a hole positioned over the opening; an exteriorly threaded tubular member adapted to seat in the inlet opening, said tubular member formed at one end with an extension provided with a slot, a second tubular member adapted to fit snugly and slidably within the first mentioned tubular member, provided adjacent one end with a lug adapted to engage the slot mentioned and exteriorly threaded adjacent its other end to receive an interiorly threaded closure cap, and an interiorly threaded closure cap adapted to pass freely through the opening in the seat.

1,584,575. BRACKET CONSTRUCTION. OTTO NEMA WAELTI, Semans, Saskatchewan, Canada. Filed June 3, 1924. Serial No. 717,614. 1 Claim. (Cl. 248—18.)

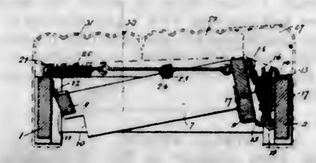


A bracket construction which comprises a shelf plate, lips along one edge of said plate, flanges along said edge bent down at right angles thereto to lie along the wall against which the shelf is disposed, a wall engaging bracket plate having slots therein through which said lips pass to be bent thereagainst at the rear thereof to hold one plate to the other, the lower end of the wall engaging plate being provided with an intergral strip portion bent up from the lower end thereof at an angle, the upper end of said strip being disposed horizontally beneath and supporting the shelf plate at a suitable distance from the wall plate.

1,584,576. VEHICLE WHEEL. JAMES H. WAGENHORST, Akron, Ohio. Filed Feb. 24, 1919. Serial No. 278,640. 8 Claims. (Cl. 301—70.)

2. In a vehicle wheel, the combination with a rim having outwardly extending tire engaging flanges, the base of said rim having parallel circumferential inwardly projecting beads or ribs, of a plurality of spokes having their outer ends positioned between said beads or ribs.

1,584,577. SPRING SEAT. ALBERT WEICKMAN, Harrison, N. Y. Filed May 5, 1925. Serial No. 28,146. 4 Claims. (Cl. 155—55.)

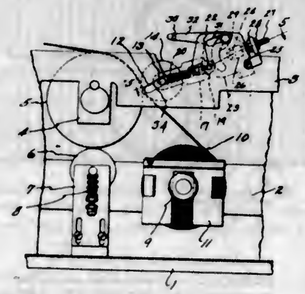


1. A spring frame for seats comprising a main frame and a frame having one end hinged to the main frame, means for resiliently supporting the other end of the frame, said resilient supporting means tending to move the forward end of the frame upwardly, cushions supported by the main and auxiliary frames, one of said cushions having an edge resting on the resiliently supported end of the auxiliary frame.

1,584,578. ROLLER MOUNTING FOR AUTOGRAPHIC REGISTERS. THEODORE W. WIDENMANN and MARCUS R. HARRIS, Detroit, Mich., assignors to Printing Register Co., Detroit, Mich., a Corporation of Michigan. Filed July 6, 1925. Serial No. 41,542. 4 Claims. (Cl. 101—247.)

1. A roller mounting for autographic registers comprising a pair of side frame members, a bracket on each side frame member, a bolt adjustably supported

in each bracket, a shaft rotatably supported by the bolts, a member pivotally mounted on each end of the shaft, means on the frame members limiting turning of the pivoted members on the shaft, a roller supporting member pivotally mounted on each pivoted member,

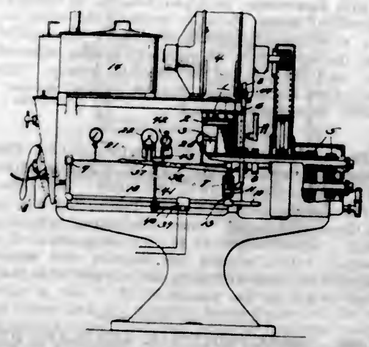


a roller shaft yieldably supported in the ends of the supporting member, means limiting turning movement of the supporting members on the pivoted members, a yoke connecting the two supporting members and guide means on the frame members adapted to be engaged by the roller shaft when in the operative position.

1,584,579. MATERIAL FOR USE IN CEMENT COMPOSITIONS. RUDOLPH J. WIG, Los Angeles, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Mar. 20, 1926. Serial No. 96,304. 8 Claims. (Cl. 106—35.)

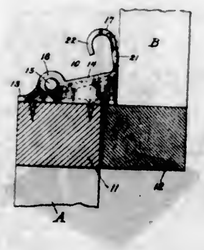
6. A plastic composition comprising cement, sand, an aggregate, and a finely divided diatomaceous earth containing not more than approximately 25% of particles about 0.02 mm. square or larger in size, and not more than approximately 70% of particles smaller than 0.001 mm. square in size; the amount of the diatomaceous earth used being from approximately 1% to 10% by weight of the cement used.

1,584,580. METHOD OF AND APPARATUS FOR MAKING ICE CREAM. JOSEPH WILLMANN, Derby, Conn. Filed Mar. 8, 1922. Serial No. 542,048. 15 Claims. (Cl. 62—114.)



5. In combination with an ice-cream freezer embodying a freezing chamber and a jacket for the passage of a refrigerating medium, means for controlling the supply of the refrigerating medium to said jacket, means responsive to the temperature of a batch of ice-cream mixture in the freezing chamber for determining when the controlling means for the refrigerating medium should be operated to interrupt the supply of refrigerating medium, and controlling means operatively connecting said refrigerating medium control means and said temperature responsive means.

1,584,581. WINDOW LOCK. CHARLES MELVIN WILSON and HAROLD E. HARKNESS, Jamestown, N. Y. Filed June 24, 1925. Serial No. 39,338. 3 Claims. (Cl. 292—195.)



1. In combination with the upper and lower sliding sashes of a window, a locking device carried by the top rail of the lower sash including an attaching plate, a latch member swingingly mounted upon said attaching plate, a foot portion formed on said latch member, spring means for normally holding the heel of said foot portion in engagement with the upper sash, whereby movement of either sash to an open position will cause said foot portions to move into jamming engagement with said upper sash for limiting further movement of either sash, and co-acting means between said attaching plate and said latch member operable upon lateral movement of said latch member for holding said latch member in an inoperative position against the action of the spring means.

1,584,582. RAILWAY-CAR AXLE AND METHOD OF MAKING THE SAME. WILLIAM P. WITHEROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 20, 1922. Serial No. 530,639. 8 Claims. (Cl. 80—30.)

1. As an article of manufacture, a die rolled car axle blank of substantially final overall dimensions having a flash throughout the major portion of its length, said blank having a bearing portion adjacent each end, a reduced collar beyond each bearing portion and a reduced end beyond each collar for cooperation with a journal box.

1,584,583. PROCESS FOR PREPARING VACCINES. FRANK MONTGOMERY WOOD, Los Angeles, Calif. Filed Feb. 29, 1924. Serial No. 696,088. 10 Claims. (Cl. 167—7.)

1. The process for preparing detoxicated proteins and bacterial vaccines which comprises treating bacteria and bacterial toxic proteins with trypsin.

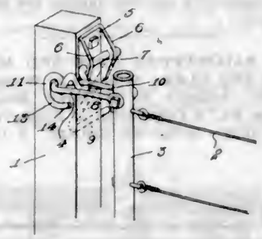
4. The process for preparing detoxicated proteins and bacterial vaccines which comprises treating capsulated bacteria and bacterial toxic proteins with sodium hydroxide to break the capsules, and then treating with pure powdered trypsin 25% in a slight alkaline solution.

9. The process for preparing detoxicated proteins and bacterial vaccines which comprises treating capsulated bacteria and bacterial toxic proteins with alkali to break the capsules, digesting with trypsin, treating with a soap solution to remove the capsules, treating with phenol, and centrifuging.

1,584,584. CUTTING TOOL. PINCKNEY A. WOOD, Brooklyn, N. Y. Filed Feb. 12, 1924. Serial No. 692,387. 4 Claims. (Cl. 77—69.)

1. A tool of the character described, comprising a head, a bit removably positioned in the head, a bar movably supported against the head, a cutting blade at one end of the bar substantially parallel to the bit, and means for simultaneously clamping the bar and the bit at the desired position of adjustment.

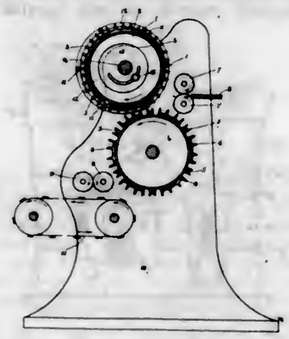
1,584,585. GATE FASTENER. WARNER T. WOODS, Volga City, Iowa. Filed Sept. 5, 1925. Serial No. 54,771. 1 Claim. (Cl. 292—247.)



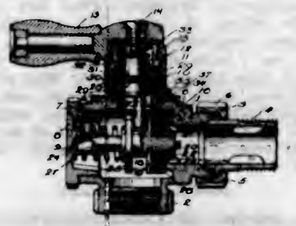
A fastening and stretching means for wire gates in which the gate has a bail pivotally secured on its end post, said means comprising a shaft journaled in bearings and having a handle at one end, a U-shaped extension at its opposite end arranged angularly with respect to the shaft, the outer element of the U-shaped extension merging into an arm provided with a centrally inturned lug and an outer hooked end, designed, when the handle is swung to engage the bail, and when the handle is further swung in the same direction to cause the bail to ride off of the hook to engage the lug of the arm and to have its inner side received in the U-shaped portion of the lug of the latch.

1,584,586. MACHINE FOR DECORTICATING THE FIBROUS LEAVES OR STEMS OF PLANTS. ERNEST WRIGHT, Pinner, England. Filed July 22, 1924. Serial No. 727,594. 3 Claims. (Cl. 19—28.)

1. In a machine for decorticating the fibrous leaves or stems of plants of the kind described, co-ordinated drums each having cooperating scraper blades acting upon the material to be decorticated, the blades of one drum extending into the spaces between the blades of the other drum, but out of contact with the walls of said spaces, and rows of pins arranged on one drum in alternation with one or more blades on said drum, cooperating with correspondingly arranged trough-shaped elements on the other drum.



1,584,587. RADIATOR VALVE. FARNHAM YARDLEY, New York, N. Y., assignor to Jenkins Bros., New York, N. Y., a Corporation of New Jersey. Continuation of application Serial No. 32,008, filed May 22, 1925. This application filed Feb. 23, 1926. Serial No. 90,101. 6 Claims. (Cl. 251—131.)



1. In a radiator valve, a casing having an inlet port and an outlet port, a vertically disposed valve seat surrounding said outlet port, a valve reciprocable in alignment with said outlet port and adapted to contact said seat, resilient means normally pressing the valve to said seat, a valve spindle, means carried by the spindle for moving the valve from its seat, and means adjacent the spindle and adapted to frictionally prevent rotation thereof under the influence of said resilient means, substantially as described.

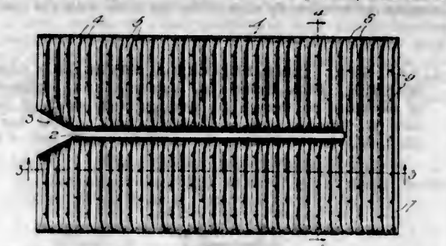
1,584,588. TREATING LUBRICATING OILS. EDWARD GOODRICH ACHESON, New York, N. Y. Filed Mar. 19, 1921. Serial No. 453,738. 3 Claims. (Cl. 196—16.)

3. Process of treating mineral lubricating oils to enhance their lubricating value, comprising agitating the oil with a selective solvent for the components of lower lubricating value, settling the mixture and separating the treated oil, and recovering the solvent from the solution for re-use in the process.

1,584,589. BERRY PROTECTOR AND PLANT MULCH. CHARLES A. ADAMS, Alpine, Tex. Filed Dec. 3, 1923. Serial No. 678,270. 3 Claims. (Cl. 47—32.)

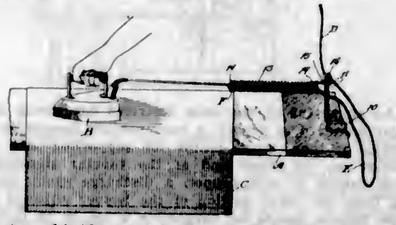
1. A berry protector comprising a sheet adapted to support the berries of a plurality of berry plants against contact with the ground, said sheet being elongated to extend longitudinally of a row of plants and having a single longitudinal slot opening through one of its ends to receive the stems of all plants protected by the sheet.

2. A berry protector comprising a transversely ribbed sheet adapted to support the berries of a plurality of berry plants against contact with the ground, said sheet



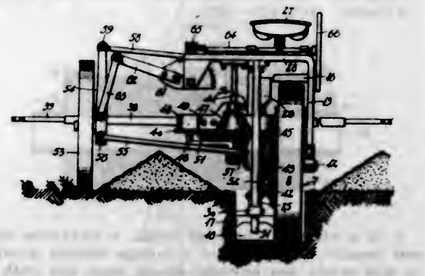
being elongated to extend longitudinally of a row of plants and having a single longitudinal slot opening through one end to receive the stems of all plants protected by the sheet.

1,584,590. CORD HOLDER AND GUIDE. JOSEPHINE D. ARCHARD, Yonkers, N. Y. Filed Nov. 12, 1924. Serial No. 749,471. 3 Claims. (Cl. 248—30.5.)



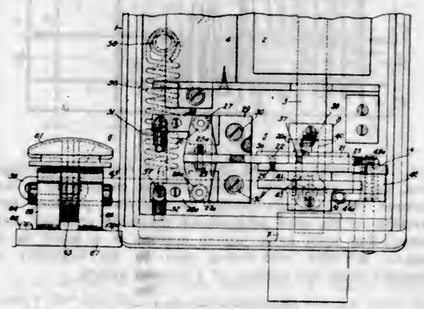
2. A cord-holding and guiding device including a clamp to engage an ironing board or like support, a portion rising from the clamp, cord clamping means at the upper end of said portion, and a spring held at one end against longitudinal movement adjacent to said cord-clamping means to prevent longitudinal movement of the held end of the spring.

1,584,591. DITCHER AND TERRACER. OLIVER H. ARNOLD, Jr., Athens, Ga. Filed Oct. 17, 1921. Serial No. 508,072. Renewed Apr. 2, 1926. 4 Claims. (Cl. 37—111.)



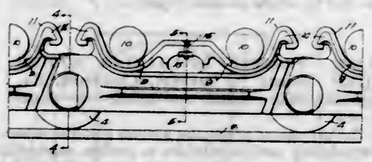
1. A ditching machine comprising an elevating wheel having a rim, a flange at one side and blades between said flange and rim forming buckets open at the opposite side of the wheel and also opening inwardly toward the center of the wheel, a share at the last-named side of the wheel for deflecting dirt laterally into said buckets through the open sides thereof at the lower portion of the wheel, a dirt retaining plate extending upwardly from said share at the last named side of the wheel across the open sides of the buckets for retaining the dirt in said buckets while being raised, a rotary table mounted for rotation at the last named side of said wheel and extending within said wheel under the upper portion thereof, and a chute disposed between said table and said flange under the upper portion of the wheel for closing the space between said table and flange under the uppermost buckets.

1,584,592. CONTROL APPARATUS. LOUIS M. ASPINWALL, Pittsburgh, and HARRY R. MEYER, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 3, 1919. Serial No. 335,492. 6 Claims. (Cl. 200—18.)



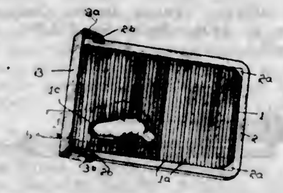
1. Control apparatus comprising two transversely-related shafts, a switch member and a star-wheel respectively loosely and rigidly mounted on one of said shafts, a crank arm rigidly secured to the other shaft, an interlocking pawl between said star-wheel and said switch member, and a flexible connection between said switch member and said crank arm.

1,584,593. ROLLER CHAIN FOR SILK DRIERS. ELWOOD B. AYRES, Melrose Park, Pa., assignor to Proctor and Schwartz, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1925. Serial No. 60,242. 3 Claims. (Cl. 198—189.)



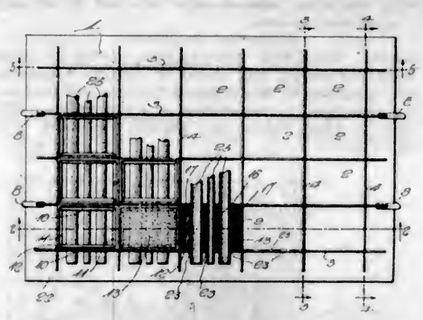
2. The combination of a link of a conveyor chain having two sockets for poles; a cushion strip shaped to fit the two sockets, and means for attaching the strip to the link between the two sockets.

1,584,594. WASHBOARD. CELESTE BACHELET, Mount Vernon, N. Y. Filed Oct. 31, 1925. Serial No. 66,040. 3 Claims. (Cl. 68—29.)



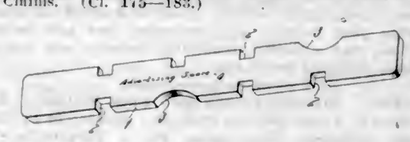
1. A wash board for the purpose specified, having a scrubbing surface provided with an opening within the confines of the scrubbing area for the passage of the thumb of the user, whereby said board may be held in the hand substantially like a palette.

1,584,595. MOLD FOR MAKING CONCRETE BLOCKS. KURT BADER, Brooklyn, N. Y. Filed Nov. 18, 1925. Serial No. 69,905. 15 Claims. (Cl. 25—122.)



1. In a mold, a mold chamber of rectangular formation, and a removable lining therefor comprising a continuous strip of soft rubber having wall portions conforming to the wall portions of the mold chamber, said strip being split from top to bottom at a point in its length, whereby said lining may by its flexibility be stripped from the surface of a formed article.

1,584,596. COIL TOOL. OTTO A. BADER, New Orleans, La. Filed Dec. 10, 1923. Serial No. 679,870. 2 Claims. (Cl. 175—183.)

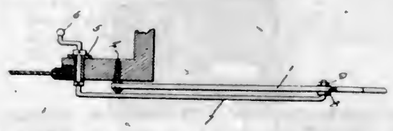


1. A tool of the class described comprising a strip having a number of square notches on each edge thereof and a curved notch on each edge.

1,584,597. PROCESS OF MAKING SODIUM SULPHIDE. HARRY P. BASSETT, Cynthiana, Ky. Filed Aug. 26, 1925. Serial No. 52,682. 9 Claims. (Cl. 23—137.)

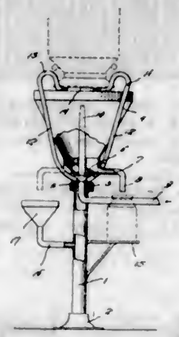
3. The process of producing sodium sulphide which comprises reducing sodium sulphate to sodium sulphide by the action of carbonaceous matter at a temperature of not to exceed about 650° C. until from about 20 to 25 per cent of the theoretical yield of sodium sulphide is obtained, then increasing the temperature to not to exceed about 700° C., until from 40 to 60 per cent of the theoretical yield of sodium sulphide is obtained and then gradually increasing the temperature to approximately 900° C.

1,584,598. SIGNAL. FRANK BATES, Coalgate, Okla. Filed Nov. 21, 1924. Serial No. 751,383. 1 Claim. (Cl. 116—52.)



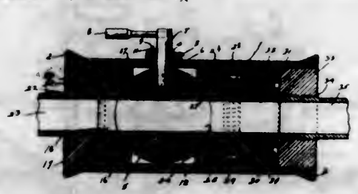
A signal for a closed type of vehicle, comprising a signal arm pivoted to a part of the vehicle and having a slot therein adjacent its outer end, a bearing bushing in the vehicle adjacent the pivotal point of the arm, a shaft journaled in the bushing and having a handle on its inner end, a right angle extension on the outer end of the shaft which has its extremity bent to engage the slot in the arm and a nut and washer on said bent extremity for frictionally connecting the same with the arm.

1,584,599. COMBINED CREAM SAVER AND CAN WASHER. NICK BEHRENDS, Ledyard, Iowa, assignor of one-third to George D. Moulton and one-third to Levi W. Wiemer, both of Ledyard, Iowa. Filed Apr. 23, 1925. Serial No. 25,376. 1 Claim. (Cl. 141—7.)



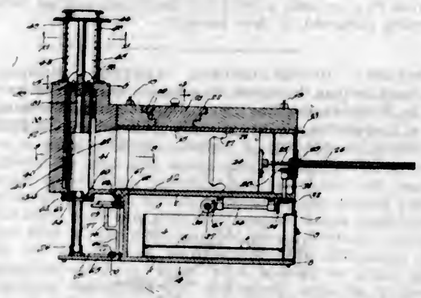
An apparatus of the class described comprising a tubular standard, a hopper, a neck portion formed on the bottom of the hopper, means for supporting said neck portion on the upper end of the tubular standard, a false bottom in said hopper, a discharge spout extending from the lower portion of the hopper adjacent said false bottom, means for supporting a can in an inverted position above the hopper, said means comprising a plurality of upwardly diverging arms, the lower ends thereof being connected to the neck portion, said arms extending upwardly along the outer face of the hopper, the upper ends of the arms being bent over the upper edge of the hopper and cooperating to provide a supporting ring, the latter being disposed centrally of the hopper.

1,584,600. VALVE. WALTER A. BLACK, Kansas City, Mo., assignor of one-half to James T. Jennings, Kansas City, Mo. Filed Dec. 11, 1924. Serial No. 755,164. 2 Claims. (Cl. 251—107.)



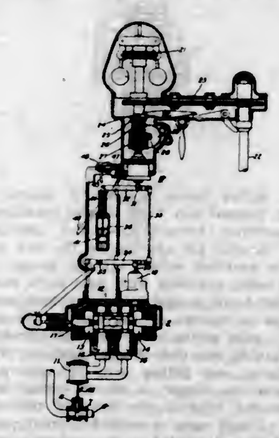
2. In a valve, a cylindrical casing, a transverse valve seat member having axially a passage slidably mounted in said casing and provided on its outer side with an annular guiding flange and on its inner side with a ball valve seat, a transverse head member having axially a passage registering with the passage in said seat member and an annular recess on its inner side receiving the guiding flange on said seat member adjustably mounted in said casing in close relation to the valve seat member, a ball valve member rotatably mounted in said casing and seated on said seat member and having a plurality of passages adapted to alternately register with the passages in said seat member, a transverse thrust bearing member having axially a passage adapted to register with the passages in said valve member slidably mounted in said casing in close relation to the valve member and provided on its outer side with an annular recess, a coil spring lodged in the recess in said thrust bearing member, a transverse tensioning member adjustably mounted in said casing in close relation to said thrust bearing member and having axially a passage registering with the passage therein, and a transverse head member adjustably mounted in said casing in close relation to said tensioning member and having axially a passage registering with the passage therein.

1,584,601. ICE-CREAM DISPENSER. HARVEY L. BLOMQUIST, Chicago, Ill. Filed Jan. 24, 1925. Serial No. 4,610. 2 Claims. (Cl. 107—8.)



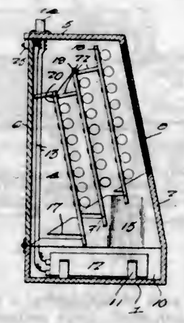
1. A machine of the character described including feeding mechanism, discharging mechanism, removable guiding and shaping members at the discharge end of the discharging mechanism, cam actuated means adapted to normally close the discharge end and to be manually operated to remove the same from and into position beneath the guiding and shaping members and a receptacle for receiving the frozen confection from the discharging mechanism.

1,584,602. REGULATOR SYSTEM. WILLIAM M. BRADSHAW and JOHN H. ASHBAUGH, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1921. Serial No. 520,593. 19 Claims. (Cl. 290—40.)



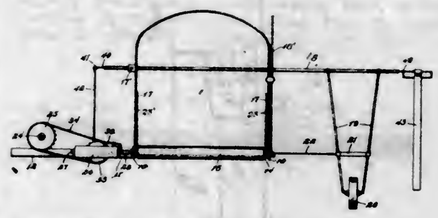
4. The combination with a water-wheel, a generator connected thereto, governor mechanism for said water-wheel comprising means actuated in accordance with the speed of the water-wheel, a floating lever system, and anti-hunting means co-operating with said floating lever system, of means cooperating with said anti-hunting means and adapted to actuate said governor mechanism in accordance with variations in load upon said generator.

1,584,603. DISPLAY BULB BOX. WILLIAM WESLEY BRAZZIL, Wichita Falls, Tex. Filed Apr. 18, 1925. Serial No. 24,218. 1 Claim. (Cl. 211—25.)



In a device of the class described, a box, a hinged closure for the box, a pair of plates in the box having a plurality of slots, a plurality of panels provided with pintles for engagement in the slots, said panels inclined and capable or gravitationally swinging in the direction in which the closure is opened, legs extending from the panels for holding them in spaced relation to each other and in spaced relation to the closure whereby when the closure is opened the panels will swing to an extended position from the box and when the closure is closed, the panels will be swung to an upright position in the box.

1,584,604. SELF-DUMP BUNDLE CARRIER. JOHN R. BRINKEMA, Glenvil, Nebr. Filed Oct. 31, 1919. Serial No. 334,691. 4 Claims. (Cl. 56—475.)

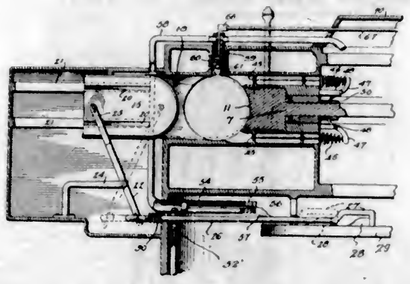


1. A grain binder attachment comprising a portable frame, an endless conveyor thereon, means for operating the conveyor intermittently, including a driven shaft and a continuously rotatable driving shaft, a pawl and ratchet mechanism controlling the operation of said conveyor, means for normally holding the pawl out of engagement from the ratchet, and an obstacle actuated trip for releasing said pawl, and allowing the latter to move into operative asaociation with the ratchet for the purpose specified.

1,584,605. INTERNAL-COMBUSTION ENGINE. CHARLES BYRON BRITTON, Browning, Mo. Filed Mar. 28, 1924. Serial No. 702,676. 2 Claims. (Cl. 123—14.)

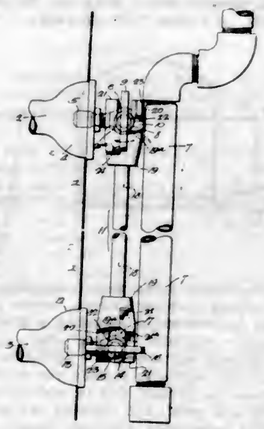
1. In a device of the character described, a circumferential casing, said casing being provided with an opening on its inner side, a main shaft arranged concentrically of said casing, a carrier connected to said shaft and extending through said opening, said carrier being pro-

vided with a periphery shaped to conform to the interior wall of said casing, pistons arranged on said carrier, abutment chambers on the outer side of said casing, the outer wall of said casing being provided with slots communicating with said abutment chambers, abutments slidably mounted in said slots, a pivoted lever connected to each of said abutments, a radially disposed slidable



rod connected to each of said levers, a substantially flat plate carried by said shaft, cams mounted on said plate, hooks formed on the ends of said radially disposed slidably mounted rods and adapted to engage said cams, normally closed exhaust valves arranged in said casing, and pivoted fingers connected to said valves, said carrier being provided with grooves adapted to receive the other ends of said fingers.

1,584,606. LOCKING DEVICE FOR VALVES FOR GAS BURNERS. ELWOOD C. BUNTING, Philadelphia, Pa., assignor to Roberts & Mander Stove Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 28, 1924. Serial No. 752,775. 2 Claims. (Cl. 126—42.)

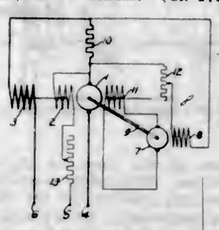


1. The combination in a locking device for the valves of gas burners, of two burners having gas-cocks with valves provided with handles, each of said handles having a laterally extending lug; and a locking device having a forked head at each end to span the valve-stems, each head being shaped to be actuated by the lug on the handle of a valve to move the locking device to lock the valve at the opposite end of said device, each head having a stop which is engaged by the handle to lock the valve in the closed position.

1,584,607. DRINKING CUP AND OTHER RECEPTACLES. HARRY M. BURR, Middletown, Conn. Filed Sept. 13, 1923. Serial No. 662,368. 1 Claim. (Cl. 229—301.)

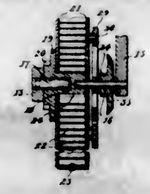
A drinking cup composed of paper completely covered with a coating composed of a mixture of pyroxylin dissolved in a suitable solvent and castor oil, and an outer coating composed of pure pyroxylin.

1,584,608. MOTOR-CONTROL SYSTEM. REGINALD JOHN BUTLER, Stretford, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,886. 7 Claims. (Cl. 171—223.)



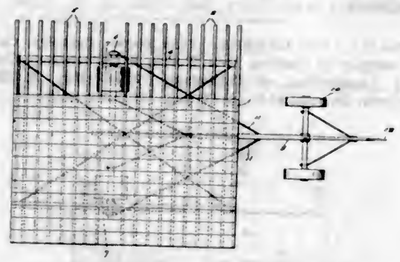
1. The combination with a compound-wound direct-current motor having an extra field-magnet winding, of an exciter therefor coupled to the motor, and means including said exciter for controlling said motor in accordance with the value of current traversing said motor.

1,584,609. MOTOR-OPERATED FAN. GIOVANNI CANCILLIERI, Yatesboro, Pa. Filed Aug. 1, 1922. Serial No. 578,950. 2 Claims. (Cl. 185—37.)



1. In a spring motor, a pair of spaced supporting hangers, a journal pin fixed to one standard and projecting therefrom toward the other standard, a hub journalled on said pin and having the end adjacent the first hanger provided with a stepped flange, one step of the flange being provided with gear teeth and the other with ratchet teeth, a spring case on said hub and supported from movement on the hub in one direction by said flange, said spring case being of cylindrical formation and having one end closely embracing the hub and the remaining end fitting over the end of the hub remote from the flange, a spiral spring in said case having one end fixed to the hub and the other to the periphery of said case, a second journal pin extending into said hub and carried by the second hanger, a pawl carried by the first hanger and engaging the ratchet, a winding shaft journalled in the first hanger and engaging the ratchet, and a gear train having an operative connection to said case.

1,584,610. HAY CARRIER. WILLIAM A. CHRISTIANS, Hay Springs, Nebr. Filed July 14, 1923. Serial No. 651,637. 1 Claim. (Cl. 296—1.)

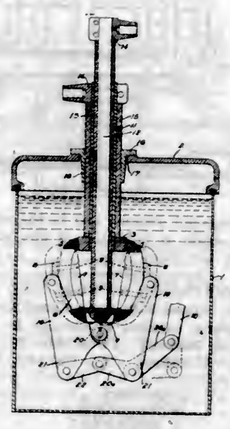


A hay carrier including traction wheels, supporting axles in spaced relation and connecting said wheels, a platform comprising parallel side beams and a central beam parallel with the side beams, supporting blocks carried by said side beams and embracing one of the axles for rockably mounting said platform, end beams mounted upon the side and central beams, parallel joists mounted upon said side and central beams supporting the floor of the platform, and spaced brackets carried by one of said end beams adapted for detachable engagement with the central beam whereby to retain said platform against lateral movement when in a horizontal position, and braces attached to the central beam and extending divergently to the ends of the axle upon which the bearing blocks are mounted.

1,584,611. MAST. HARRY A. CLARK, Wichita Falls, Tex. Filed Nov. 27, 1922. Serial No. 603,590. 1 Claim. (Cl. 254—148.)

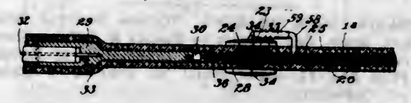
A mast comprising a pair of telescopic sections, a cap, a flange member fitting in the lower end of the top section, with the section resting upon the flange, depending ears on said member, the lower section having holes therein, a bar adapted to be passed through any desired pair of such holes and between the ears for supporting the upper section in adjusted position, a cable connected with the flange of said member and passing upwardly through the lower section, a two part collar surrounding the upper end of the lower section, an ear on one part of the collar, a pulley carried thereby over which the cable passes and means for detachably connecting together the two parts of the collar.

1,584,612. CIRCUIT BREAKER. WILLIAM ANSELM COATES, Chorlton-cum-Hardy, and GEORGE EDWARD GITTINS and DAVID REGINALD DAVIES, Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 5, 1922. Serial No. 566,032. 8 Claims. (Cl. 200—150.)



2. In a circuit breaker, two electrical conductors disposed in concentric relation, the ends of the inner conductor extending beyond the outer conductor and provided with contact members and a movable bridging member for connecting the contact members.

1,584,613. WAVE DETECTOR. DANIEL F. COMSTOCK, Cambridge, LEONARD T. TROLAND, Malden, and JOSEPH A. BALL, Wollaston, Mass., assignors to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 25, 1920. Serial No. 361,223. 28 Claims. (Cl. 177—386.)

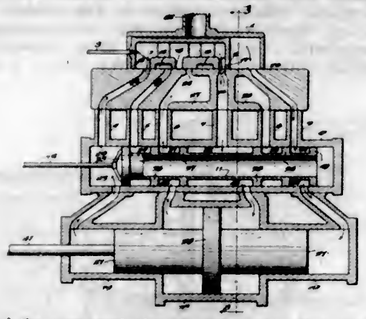


21. A wave-disturbance detector comprising a plurality of condenser elements, means for yieldingly maintaining said elements in spaced relationship so that they may move toward and from each other, and a flexible covering enveloping said elements, said covering conforming to the shape of the assemblage of elements, whereby variations in pressure in the surrounding medium may be transmitted through the covering to the condenser elements upon a plurality of sides of the detector.

1,584,614. GAS OR VAPOR ENGINE, PARTICULARLY STEAM ENGINE. CHARLES LEE COOK, Louisville, Ky. Filed Jan. 24, 1921. Serial No. 439,603. 4 Claims. (Cl. 121—105.)

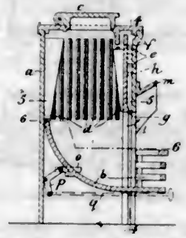
1. A compound gas or vapor engine comprising a plurality of compound cylinders and compound reciprocating pistons therein, a steam chest having a plurality of exit openings, a single valve chamber intermediate the steam chest and cylinders, a reciprocating valve therein,

and a manually adjustable valve in the steam chest movable to two positions, in one of which steam is admitted at high pressure through said valve chamber to



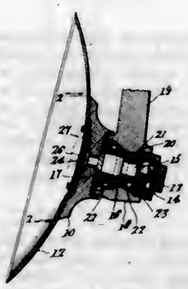
both of the compound pistons, and in the other of which high pressure steam is admitted to one piston and exhaust steam to the other piston.

1,584,615. COMBUSTION OF FUEL AND APPARATUS THEREFOR. JULES HIPPOLYTE CORTHESY, Barnsbury, London, England, assignor of one-half to Albert Walter Mills, London, England. Filed Mar. 29, 1924. Serial No. 702,805. 7 Claims. (Cl. 126—79.)



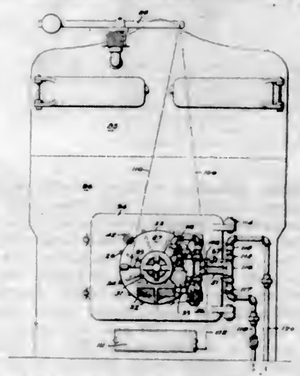
1. An open stove comprising a fuel supply chamber, a grate situated at the lower extremity of said chamber, means in one of the walls of said chamber for conveying gas from a suitable source of supply and for sucking smoke and other distillation products from the fuel in the said chamber, down and discharging the mixed constituents on to the fuel on the said grate.

1,584,616. DISK BEARING. WALTER SULLIVAN COTHRAN, Rome, Ga., assignor to Towers & Sullivan Manufacturing Co., Rome, Ga., a Corporation of Georgia. Filed Dec. 11, 1923. Serial No. 680,010. 2 Claims. (Cl. 308—181.)



1. A disk bearing comprising a steel shaft having stepped bearing portions for engagement in a support and having an outer stepped portion to limit the inward movement of the steel shaft, said steel shaft having outwardly of said outer stepped portion a non-circular shank portion and an enlarged head at the outer end of the shank, a cast iron disk attaching plate cast about said shank and head, said outer stepped portion adapted to space the cast plate from the support and said shank and head rigidly holding the cast plate from turning on the shaft.

1,584,617. OIL BURNER. TRAY DAVIS, Berkeley, Calif., assignor to Bunting Iron Works, San Francisco, Calif., a Corporation of California. Filed May 8, 1923. Serial No. 637,434. 2 Claims. (Cl. 158—2.)

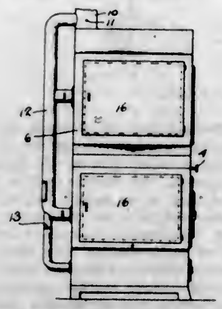


1. In an oil burner, a pivoted door, means for pivotally supporting the oil burner on the door, a stationary pipe, means rotatable relatively to the pipe and connecting therewith for conducting oil, the rotation being on the axis of movement of the door, and coincident therewith, and means leading from the rotatable means to the oil burner for supplying oil thereto.

1,584,618. PROCESS FOR ELECTRICALLY WELDING HIGHLY-ELECTRICALLY-CONDUCTIVE MATERIALS. AUSTIN H. HART, Greenwich, Conn., assignor to Rome Radiation Company, Inc., Rome, N. Y. Filed Sept. 23, 1925. Serial No. 58,194. 1 Claim. (Cl. 219—10.)

An electrical welding process consisting in bringing together highly electrically conductive material, subjecting the materials between the electrodes to a pressure less than 400 pounds but greater than 100 pounds according to the composition and thickness of the materials to be welded and then passing an electric current through the electrodes and the materials so as to develop sufficient heat between the surfaces of the materials to effect a weld.

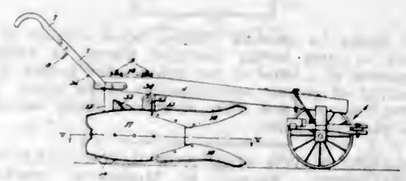
1,584,619. VENTILATING SYSTEM. JEROME LLOYD, Bryn Mawr, Pa. Filed Oct. 23, 1925. Serial No. 64,428. 1 Claim. (Cl. 126—299.)



In a stove, a casing having side portions in communication with the cooking spaces of the stove and a top portion in communication with the side portions, a chimney

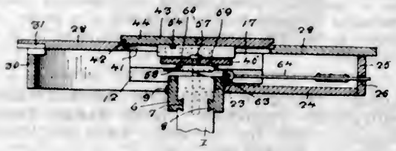
pipe connected with the top portion, a damper in the chimney pipe, down pipes connected with the chimney pipe, branches connecting the down pipes with the cooking spaces of the stove, and a casing in one of the cooking spaces of the stove and with which the branch pipe is connected.

1,584,620. REVERSIBLE PLOW. THOMAS LOEFFELMAN, St. Louis, Mo. Filed Nov. 5, 1925. Serial No. 67,167. 1 Claim. (Cl. 97—31.)



In a reversible plow, a beam, an inverted U-shaped standard depending therefrom, a shaft carried by the legs of the standard, a moldboard, a block carried by the forward end of the moldboard through which said shaft extends, a bracket depending from the rear leg of the standard, a ground wheel carried by the bracket, and a brace member extending from the shaft to the rear end of the moldboard, said brace member being bowed so that it will pass the ground engaging wheel when the moldboard is moved from one to the other of its operative positions.

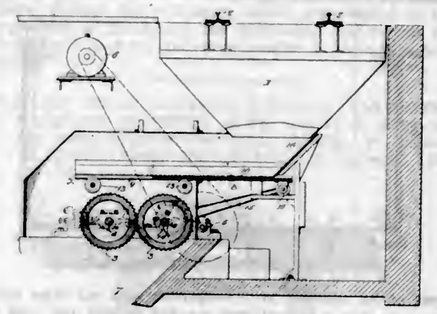
1,584,621. EXTENSION TABLE. MURDO LENARD LOVATO, Albuquerque, N. Mex. Filed Oct. 15, 1925. Serial No. 62,614. 3 Claims. (Cl. 45—26.)



1. In a table of the character described, a stationary pedestal, guides carried thereby, a table top including main sections of semi-ring-like formation, guide members carried by the underside of said sections and slidably co-operating with said first named guide members whereby to permit expansion of the table, and a central member rotatably mounted with respect to the pedestal and located at the center of the ring-like top and forming a continuation thereof, said central member normally seating flush with the top of the first named section, and means for elevating said central member above the plane of the top, comprising wedge means located beneath said central member, and means operable from the side of the table for moving said wedge means.

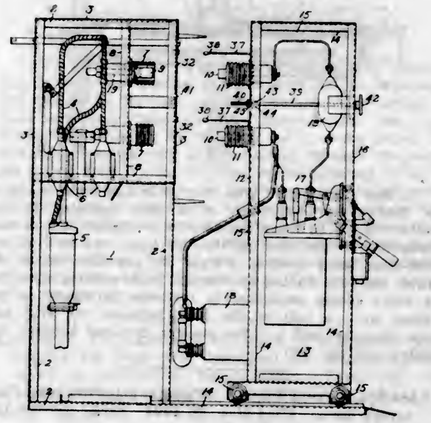
1,584,622. FEEDING MECHANISM FOR CRUSHERS. HARRY N. LOWENTHAL, Philadelphia, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 17, 1921. Serial No. 492,944. 3 Claims. (Cl. 83—44.)

1. The combination in feeding mechanism for crushers, of a reciprocating feeder; means for reciprocating the feeder, said feeder having side bars and a bottom plate attached to the side bars, the side bars extending beyond



the bottom plate at one end; means for supporting the bars; and a plate, removably secured to said side bars, forming an extension of the bottom plate.

1,584,623. SWITCHBOARD. WALTER E. MCCOY, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 23, 1920. Serial No. 375,964. 11 Claims. (Cl. 175—298.)

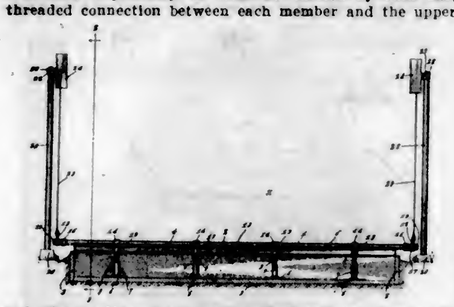


1. In a truck-type switchboard, the combination with a stationary structure and a movable co-operating structure therefor, of means carried by the movable structure and operable at the front thereof for securing said structures together.

1,584,624. RAILROAD-CROSSING SIGNAL. CHESTER A. MCDONALD, Port Arthur, Tex. Filed Dec. 3, 1925. Serial No. 72,979. 2 Claims. (Cl. 116—67.)

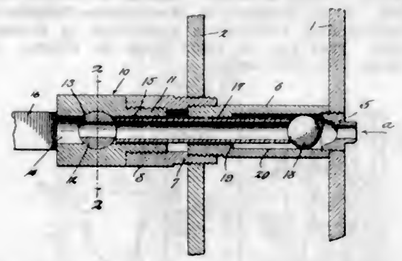
2. In a roadway signal of the character set forth, means to provide a housing adapted to be fitted in a roadway transversely thereof and having a slotted top adapted to be arranged flush with the surface of said road, a longitudinal series of vertically positioned cylinders mounted in said casing beneath said slotted top, a coil spring housed in each cylinder, a piston within each cylinder normally projected upwardly by the spring therein, an arm carried by each piston and projecting upwardly from said cylinder, a trip bar ar-

ranged in and extending slightly above the top edge of said slot, a plurality of members carried by said bar, threaded connection between each member and the upper



end of an adjacent arm, supporting said bar from said arms, a trip gong adjacent one end of said bar, and a pull cable connecting said bar end with said gong to trip the same upon depression of the bar.

1,584,625. AUTOMATIC SAFETY BLOW-OFF COCK AND VALVE. DONALD MCKAY, Montgomery, Ala. Filed July 15, 1925. Serial No. 43,874. 2 Claims. (Cl. 277—24.)

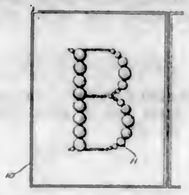


1. The combination with the inner and outer walls of a fluid-pressure-container, of a pipe mounted in the outer wall, a ball-stop mounted in the inner wall, a tube mounted at one end within the pipe, one end of the ball-stop being received within the opposite end of the tube, the tube having an internal ball-receiving shoulder, a valve casing connected to the pipe externally of the outer wall, a ball in the tube, between the stop and the shoulder, and a loose plunger disposed between the valve and the ball.

1,584,626. FOOTWEAR. WARREN MACPHERSON, Cambridge, Mass. Filed Mar. 18, 1924. Serial No. 700,139. 2 Claims. (Cl. 36—32.)

1. A two-layer rubber outer sole composed of a relatively thick body layer of rubber soling, free from air spaces and having smooth surfaces, and a thinner tread layer of rough surfaced crepe rubber pressed against the body layer, to conform its top surface to the bottom surface of the body layer, and thereby form a joint which is free from air spaces, said layers being united by vulcanization, the sole being characterized by operative thickness, a smooth surfaced top face adapted to conform and be united by vulcanization to the bottom face of a superstructure, without forming air spaces between said faces, a smooth surface marginal face imparting a desirable finish to the major portion of the sole edge, and a clinging rough-surfaced tread face, there being an absence of air spaces throughout the entire mass of the sole.

1,584,627. MEANS FOR TEACHING READING. RAFAEL TORRES MARINO, Bogota, Colombia. Filed May 23, 1925. Serial No. 32,440. 3 Claims. (Cl. 35—1.)

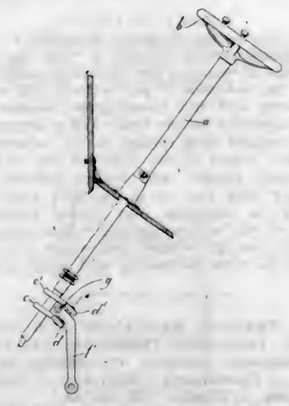


1. Means for teaching reading, which consists of a chart or plate having displayed thereon, a graphic formation of a letter of the alphabet and formed of a plurality of graphic representations of an object, the letter being the first letter of a name which identifies the particular object.

1,584,628. MATCH STRIP FOR MATCH-PACKETING MACHINES. NATHAN M. MARKOWITZ, Brooklyn, N. Y., assignor to Globe Match Corporation, a Corporation of Delaware. Filed July 14, 1923. Serial No. 651,576. Renewed Oct. 2, 1925. 5 Claims. (Cl. 44—43.)

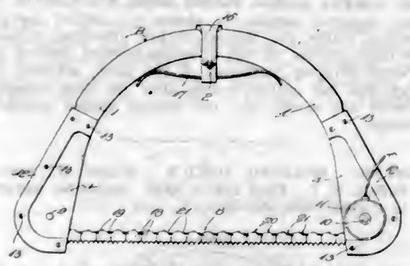
1. A match strip for match packeting machines consisting of a ribbon like length of material having a multiplicity of spaced slits extending from one side edge toward the other and terminating in spaced relation to the last mentioned edge, said strip further having a series of openings therein spaced longitudinally thereof at distances corresponding to the width of a packet and arranged to be each intersected at one point by a respective slit.

1,584,629. STEERING GEAR FOR MECHANICALLY-PROPELLED VEHICLES. HENRY MARLES, London, England. Filed Apr. 13, 1920. Serial No. 373,650. 9 Claims. (Cl. 74—79.)



2. Steering mechanism for motor road and other vehicles comprising a steering column and hand wheel, a steering arm operatively connected to the steering road wheels, and cam gear of variable pitch between said steering column and steering arm giving a variable ratio of movement between the said steering hand wheel and the said road wheels whereby the steering is lower geared or more delicate at and near the straight running position.

1,584,630. PORTABLE SAW. WILLIAM A. MEIGHAN, Portland, Oreg. Filed Apr. 16, 1925. Serial No. 23,606. 3 Claims. (Cl. 143—32.)

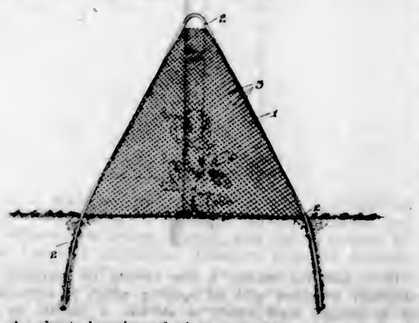


1. A saw comprising a bow formed of two sections hinged together, said sections having saw-guiding rollers at their outer ends, an endless saw engaged with the bow and trained around said rollers, a spring support mounted at the connected inner ends of the bow sections, and a spring carried by said support, said spring engaging said bow sections and exerting its power to outwardly force the same.

1,584,631. CHAIN SAW. WILLIAM A. MEIGHAN, Portland, Oreg. Original application filed Apr. 16, 1925, Serial No. 23,606. Divided and this application filed Oct. 5, 1925. Serial No. 60,587. 6 Claims. (Cl. 143—135.)

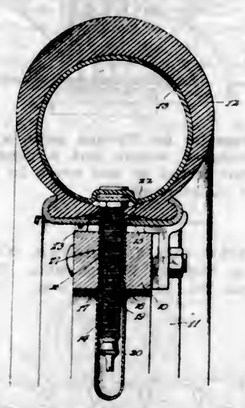
5. A section for a continuous saw comprising a body portion having teeth on one edge and having its other edge curved outwardly throughout its length, said section having parallel ends and diagonal slots opening through the curved edge at its juncture with said ends.

1,584,632. PLANT-FORCING DEVICE. SAMUEL M. MERWARTH, ALBERT MERWARTH, and SYLVESTER C. MERWARTH, Easton, Pa. Filed July 19, 1924. Serial No. 726,961. 2 Claims. (Cl. 47—31.)



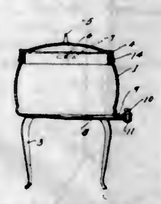
2. A plant housing device comprising a reticulated substantially conical frame adapted to surround a plant and to be positioned on the ground and provided with an opening in its upper end, and a transparent film filling the interstices of the reticulated frame, an inverted V-shaped anchor member having its legs interlaced through the reticulated frame and adapted to be embedded in the ground, the transparent film serving to bind the legs of the anchoring member to the reticulated frame.

1,584,633. SEALING DEVICE FOR THE VALVE-STEM OPENINGS OF WHEEL RIMS. HENRY E. MIEBACH and BASIL CHAPLIN, Lethbridge, Canada. Filed Jan. 16, 1924. Serial No. 686,635. 2 Claims. (Cl. 152—12.)



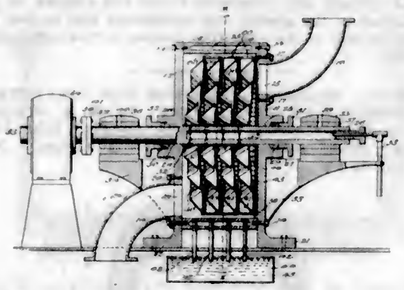
1. The combination with a wheel rim, a felly mounting the rim and having a radial opening, an inflatable tire carried by the rim, and an inflating valve having a stem extending from the tire through the rim and through the opening in the felly, of a sleeve sealed to and carried by the rim and extending through the opening in the felly around the stem of the inflating valve, a nut threaded on the stem of the inflating valve adjacent the inner end of the sleeve, and a gasket carried by the nut and extending across the inner end of the sleeve and against and across the opening in the felly whereby to be compressed by the nut and close the space between the sleeve and the valve stem and the opening in the felly around the sleeve.

1,584,634. OIL RETAINING AND DISPENSING RECEPTACLE FOR THE MAKING OF MAYONNAISE. MARY B. MONTAGUE, Salem, Oreg. Filed Oct. 15, 1924. Serial No. 743,760. 2 Claims. (Cl. 65—15.)



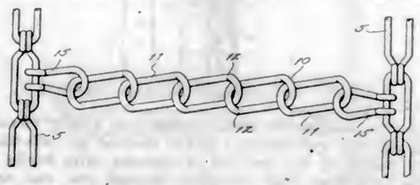
1. An oil retaining and dispensing receptacle for the making of mayonnaise, comprising a bowl adapted to be supported upon legs and having a transverse depression across the bottom, terminating in a pipe outlet having a controlling cock adapted to the outflow and control of oil therethrough, said bowl adapted to having a gasket fitted to the outer, upper periphery thereof, one, or more, inlets through the bowl wall and the gasket adapted to the passage of air therethrough, a top closure adapted to fit about the bowl and gasket having a slotted opening therethrough, said slotted opening adapted to register with the opening through the bowl wall.

1,584,635. SEPARATOR. WILLIAM F. NAGEL, Ensley, Ala. Filed May 16, 1922. Serial No. 561,422. 6 Claims. (Cl. 261—88.)



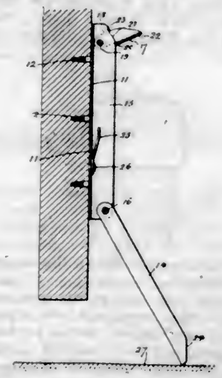
1. In a separator for filtering gases, a plurality of filtering dish-shaped screens, and a plurality of concentric members carried by each screen for directing the flow of gases therethrough.

1,584,636. TIRE CHAIN. THEOPHIL NEGOWSKI and ALOYSIUS A. NOWICKI, Winona, Minn. Filed Apr. 22, 1925. Serial No. 25,111. 1 Claim. (Cl. 152—14.)



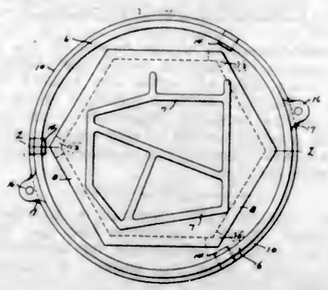
An anti-skid chain comprising a pair of side chains and a transverse chain connected therewith, the transverse chain including a plurality of elongated links arranged in stepped relation, the ends of the links being extended at substantially right angles and the abutting ends of each pair of links being in contacting relation and affording ground engaging elements.

1,584,637. DOORSTOP. CHARLES VICTOR NEUVILLER, Paterson, N. J. Filed Dec. 16, 1924. Serial No. 756,275. 1 Claim. (Cl. 292—338.)



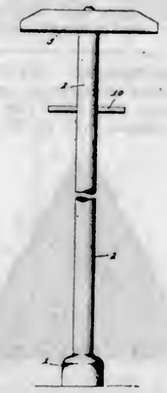
A door stop for horizontally swinging doors including a channel shaped attaching member adapted to be secured adajacent the lower end of the door in vertical position, a floor engaging member pivoted at one end in the lower end of the attaching member, a latch pivoted to the upper end of the attaching member and including arms straddling the attaching member, and an intermediate keeper portion secure to the under sides of said arms, the inner edge of said portion resting gravitationally against the attaching member, the free end of the floor engaging member being provided with a camming face, the intermediate keeper portion being inclined upwardly and outwardly from the channel member for coaction with the camming face at the free end of the floor engaging member, whereby keeper is elevated as the floor engaging member is swung to vertical inactive position within the channel shaped attaching member, the upper portion of said attaching member limiting the upward swinging movement of the latch, whereby the latch will fall gravitationally after the floor engaging member has passed into the channel shaped attaching member.

1,584,638. MOLDING DEVICE. ELMER B. NORRIS, Buffalo, N. Y. Filed Apr. 6, 1923. Serial No. 630,200. 12 Claims. (Cl. 22—90.)



6. In a molding device, the combination with the table of a jar ramming machine and a pattern, of a distributing ring carried by the table, and equalizer pads carried by the ring and engageable with the pattern.

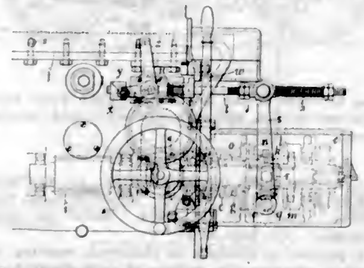
1,584,639. GOLF-TEE MAKER. THOMAS J. O'LEARY, St. Paul, Minn. Filed Aug. 4, 1923, Serial No. 655,706. Renewed Dec. 29, 1925. 1 Claim. (Cl. (273—33.)



In a golf tee maker, a cup having its rounded top centrally provided with an opening which is surrounded by a tubular staff which is slotted, a handle on the outer end of the staff, a plunger in the cup whose inner wall is rounded, said plunger having its inner face

rounded to coengage with the rounded upper face of the cup, a shank on the inner face of the plunger snugly received in the staff, a spring exerting a tension upon the shank to move the same and the plunger outwardly of the cup, and a laterally arranged handle passing through the shank and through the openings in the staff disposed in close proximity to the handle of the staff and by virtue of the contact of said plunger handle with the lower walls of the openings limiting the outward movement of the plunger through the cup.

1,584,640. QUICK-RETURN MOTION. HARRY FRED LEE ORCUTT and JOHN WILDSMITH SNABBY, Birmingham, England, assignors to The Gear Grinding Company Limited, Birmingham, England. Filed Oct. 9, 1924. Serial No. 742,705. 3 Claims. (Cl. 74—59.)

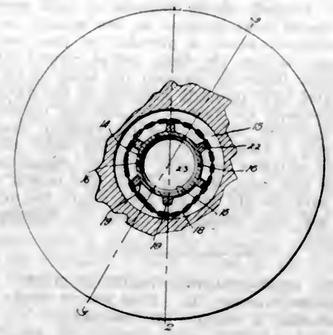


1. In quick-return reciprocatory mechanisms, the combination of a driving shaft, a slide, a two speed gear for transmitting motion from the shaft to the slide, said two speed gear including power transmitting elements, an automatic one-way clutch connected with one element of the two speed gear for effecting the operative stroke of the slide, and a friction clutch connected with another element of the gear for effecting the return stroke, together with means for intermittently actuating the friction clutch whereby the latter is rendered inoperative during the operative stroke of the slide, substantially as described.

1,584,641. CONTAINER. ARTHUR E. PAIGE, Philadelphia, Pa. Filed July 22, 1921. Serial No. 486,789. 3 Claims. (Cl. 220—66.)

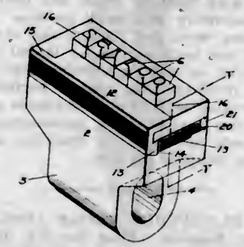
1. In a container, the combination with a cylindrical tubular body having an inwardly converged curved portion adjacent the bottom thereof, said curved portion being of smoothly continuous curvature from the cylindrical surface of said body to the inner edge of said curved portion and formed by an inwardly extending annular ridge on said body, having a sharp edge of less diameter than the cylindrical portion of said body; of a bottom plate for said container having a cylindrical portion fitted in said body and a portion extending transversely to said body, said cylindrical and transversely extending portions of said bottom plate forming a sharp cornered annular ridge of less diameter than the cylindrical portion of said plate and abutting the ridge on said body and complementary thereto; the junction line between said bottom plate and body, at the interior of the latter, being in spaced relation with the inner circumference of the main wall of said body; whereby a smoothly continuous curved surface is formed upon the interior of said container at the junction of said bottom plate and body by the complementary ridges aforesaid; said bottom plate having an annular flange overlapping the exterior of said body, with its free edge inwardly turned upon said body, in opposition to said inwardly extending ridge of the latter; whereby said bottom plate is inseparably clinched in connection with said body and the bottom edge of the latter reinforced.

1,584,642. WHEEL OILER. WILLIAM L. PALMER, Long Beach, Calif. Filed Aug. 4, 1923. Serial No. 655,704. 1 Claim. (Cl. 308—116.)



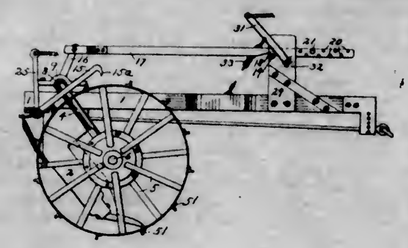
In a wheel, lubricating means consisting of a circular channel surrounding the central hole in the wheel provided for the reception of the supporting shaft, a bushing within the hole in the wheel forming a closure for the channel, said bushing being provided on its inner periphery with an oil groove and being formed with holes communicating therewith and with said channel, the groove being adapted to have oil fed thereinto, reinforcing ribs formed integrally with the wheel and extending across the channel at spaced points and terminating short of the outer wall of the channel, and a chain located within the channel and engaging upon said ribs.

1,584,643. DIE HOLDER. OSCAR M. PANNIER, Ben Avon and LEON C. HAUER, Pittsburgh, Pa., assignors to Pannier Bros. Stamp Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 4, 1925. Serial No. 6,694. 6 Claims. (Cl. 101—28.)



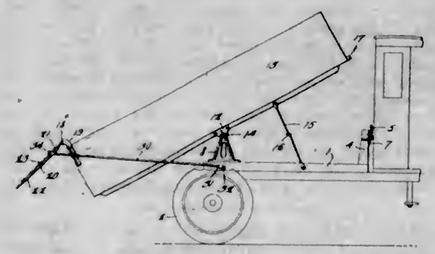
1. A holder for a removable die consisting of a body member having a die socket, a slidably mounted clamping bar for the dies, and a locking device for holding the clamping bar open or closed.

1,584,644. POWER-LIFT IMPLEMENT. HUGO PETZOLDT, Dinuba, Calif. Filed Mar. 6, 1923. Serial No. 623,148. 2 Claims. (Cl. 97—73.)



1. In a power lift implement, a frame, an axle journaled transversely of said frame, an arm on each end of the axle, each arm terminating at the lower end with a spindle, traction wheels rotatable on said spindle, a pair of spaced disks mounted on one spindle and fixed to the adjacent wheel, a plurality of pins extending transversely between the disks, and at regular intervals in a circular formation adjacent the edges of the discs, an elongated pawl pivotally mounted on the frame at a point underneath the axis of the axle and normally extending forwardly alongside of the adjacent arm, said pawl having a hooked end terminating above the pins, means for swinging the pawl into an engageable position with said pins, whereby when the booked end is engaged with one pin and the disks rotate, the next succeeding pin will engage the pawl to disengage the hooked end.

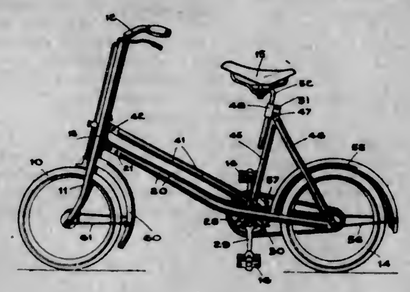
1,584,645. SELF-DUMPING VEHICLE BODY. FRANK H. PROSSER, Streator, Ill. Filed Nov. 3, 1923. Serial No. 672,583. 1 Claim. (Cl. 298—23.)



In a vehicle, the combination of a frame, standards fixed to and rising from the frame and having laterally disposed, transversely apertured portions of circular form, a dumping body, lugs fixed to and carried at the under side of said body and having lateral circular cap portions mounted on and surrounding said lateral portions of the standards, and central horizontal pintles pivotally connecting said circular standards portions and said circular cap portions, and interlocking links connecting said body and frame to limit the movement of the body in its dumping position.

1,584,646. VELOCIPEDE. ERNEST ARNOLD RADNALL, Birmingham, England. Filed Dec. 31, 1925. Serial No. 78,643. 12 Claims. (Cl. 208—93.)

1. In a velocipede, the combination of a front fork and wheel, said front fork having a pair of upward extensions provided with transverse bracing members; a head forming a pivotal mounting for the front fork; a rear wheel; and a pair of girder members which form a fork and comprising a portion having bearings in said

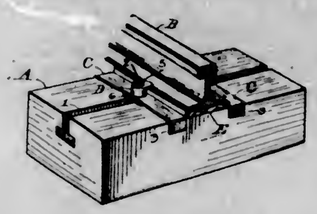


bracing members of the fork for the rear wheel and extend forwardly and are connected with said portion of the head.

1,584,647. PROCESS OF PREPARING AN ALUMINUM SHEETING FOR PRINTING. LEOPOLD RADÓ, Vienna, Austria. Filed Mar. 11, 1924. Serial No. 698,566. 3 Claims. (Cl. 101—426.)

1. A process of printing on aluminum sheeting which consists in cleaning the surface of said sheeting of all fat, pickling the said sheeting, treating the same with albumen and writing thereon.

1,584,648. RAIL-BEARING GUIDE. VICTOR E. RANDALL and ROLAND V. RANDALL, Battle Creek, Mich., assignors of one-half to Benjamin F. Gwatkin, Battle Creek, Mich. Filed Nov. 10, 1924. Serial No. 749,112. 5 Claims. (Cl. 238—90.)

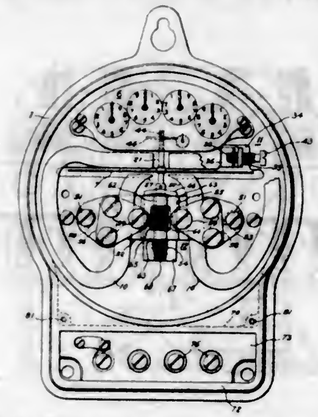


1. In a device of the nature set forth, a rail bearing guide comprising a metallic structure L-shaped in cross-section and having a bolt attaching hole through one angle thereof, and having the ends of said angle longer than the other angle and offset inverse to the other angle for engaging the sides of a tie.

1,584,649. WATT-HOUR METER. ELMER G. RATS, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 19, 1923. Serial No. 640,067. 16 Claims. (Cl. 171—264.)

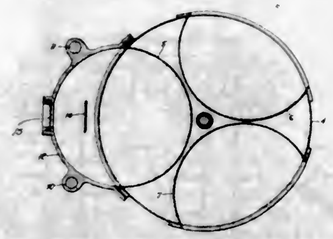
1. A meter comprising a movable armature, a damping magnet, means for adjusting the damping effect of the magnet, and supporting means for the magnet permitting the magnet to be removed from the meter independently of said adjusting means and replaced and retaining the adjustment of said adjusting means.

11. A meter comprising a rotatable disk armature, a pair of damping magnets therefor having pole ends adjacent to each other and each having a pole end on each side of said disk, and self-locking means including a magnetizable member adjustably mounted at one



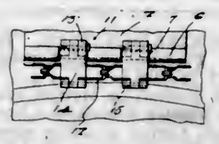
side of said disk and co-operating with the magnet poles at that side for controlling the damping effect of said magnets.

1,584,650. APPARATUS FOR DETERMINING THE SPHERICAL LUMINOUS INTENSITY OF LIGHT SOURCES. HEINRICH M. H. REUPEL, Eindhoven, Netherlands, assignor to General Electric Company, a Corporation of New York. Filed Apr. 18, 1924. Serial No. 707,404. 4 Claims. (Cl. 88—23.)



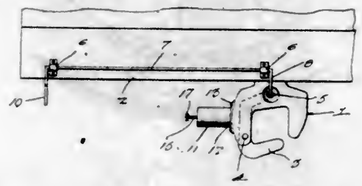
1. A device for measuring the spherical luminous intensity of a light source comprising a photometer, said photometer comprising in turn a stationary section of a chamber and a series of chamber portions all mounted on a shaft to rotate about a common axis so that each portion is capable of successively forming with the stationary portion a spherical photometer closure.

1,584,651. MUD LUG. HARVEY E. RIGGLE, Vandergrift, Pa. Filed Mar. 19, 1925. Serial No. 16,692. 1 Claim. (Cl. 152—14.)



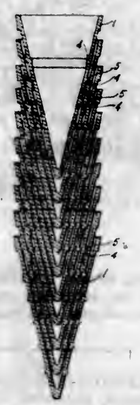
In an attaching device for mud lugs wherein the latter includes a tread portion and opposed side members, of a series of spaced lugs extending laterally from each side member adjacent the bottom edge thereof and arranged in horizontal alignment, rods supported between the spaced lugs, and means co-operable with the rods for removably mounting the lug upon the wheel, said means comprising a plurality of clamps, each clamp comprising a substantially C-shaped member, and a pivoted closure link, said C-shaped member and the closure link being adapted to be detachably connected with one of the links of a side chain.

1,584,652. UNCOUPLING DEVICE FOR CAR COUPLINGS. JOHN ALBERT ROBERTS, Ravenna, Ky. Filed Mar. 7, 1925. Serial No. 13,760. 1 Claim. (Cl. 213—116.)



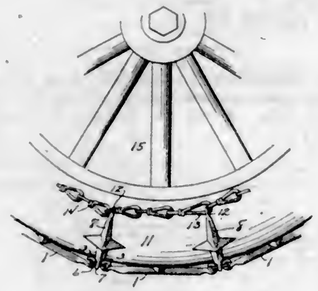
In combination with a car coupler head wherein the same includes a pivoted locking jaw, and a locking pin adapted for engagement with the inner end of said locking jaw for holding the latter in a locked position, of means cooperating with the inner end of the locking jaw for moving the outer end thereof to an open inoperative position when the locking pin is disengaged from the inner end of the locking jaw, said means comprising a cylinder, the inner end thereof being provided with a curved plate for attachment to the outer side of the coupler head, a plunger rod extending through the ends of the cylinders, a head formed on the inner end of said plunger rod and engaging the side of the inner portion of the locking jaw, a coil spring encircling said plunger rod and disposed within the cylinder for normally urging the plunger head inwardly, and means for preventing the displacement of the plunger rod from the ends of the cylinder.

1,584,653. ICE-CREAM CONE. WEBSTER M. ROBERTS, St. Joseph, Mo., assignor to Roberts Cone Manufacturing Company, St. Joseph, Mo., a Corporation of Missouri. Filed Sept. 4, 1924. Serial No. 735,777. 5 Claims. (Cl. 99—10.)



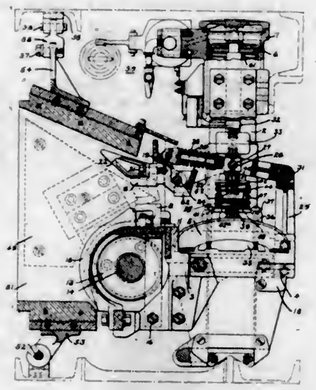
1. As a new article of manufacture, an ice cream cone having an interior shoulder adapted to contact with and support another cone nested in it.

1,584,654. TIRE CHAIN. ODIE F. ROSE, Flemington, W. Va. Filed May 25, 1925. Serial No. 32,816. 2 Claims. (Cl. 152—14.)



1. An anti-skid chain for vehicle wheels comprising longitudinal links designed to be arranged centrally around the tread surface of a vehicle tire, cross links connected to the longitudinal links, chain members connected to the cross links for securing the device on the tire, and the said longitudinal and cross links being each substantially cross-shaped in plan.

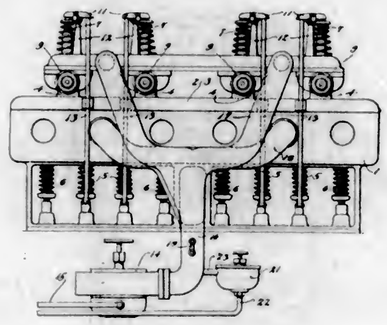
1,584,655. SWITCH. EDWARD E. ROSE, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1921. Serial No. 526,348. 10 Claims. (Cl. 200—170.)



8. In a switching device, the combination with a movable member and an actuating member, of a compression spring, which secures said members the one to the other.

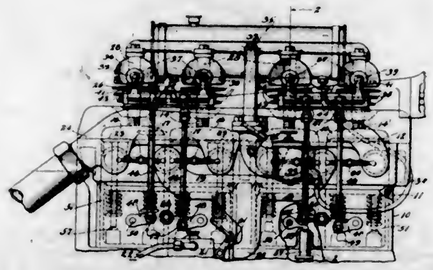
1,584,656. INTERNAL-COMBUSTION ENGINE. WILLIAM PAUL RUDKIN, Oklahoma City, Okla. Filed Oct. 31, 1921. Serial No. 511,688. 11 Claims. (Cl. 123—25.)

1. In an internal combustion engine, the combination with a cylinder, of main and auxiliary valve chambers each communicating with a common fuel supply by separate passages, means for supplying fuel through each of said chambers, means separate from the fuel supply



for introducing moisture to one of the passages to said chambers, and ignition means associated with the other of said chambers.

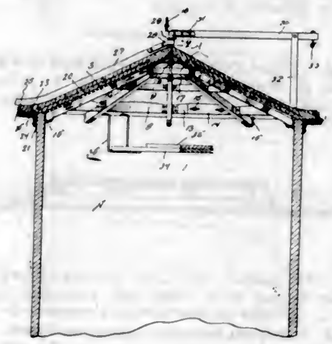
1,584,657. INTERNAL-COMBUSTION ENGINE. WILLIAM PAUL RUDKIN, Oklahoma City, Okla. Filed Jan. 17, 1923. Serial No. 613,199. 5 Claims. (Cl. 123—143.)



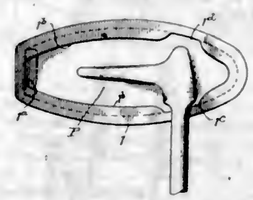
1. In an internal combustion engine, a piston and cylinder having a normal intake valve, a cylinder head provided with an auxiliary intake valve, a rock arm for actuating said auxiliary valve, a rod for operating said arm, a rock shaft connected to lift said rod, and means carried by said shaft for actuation by the controlling means for the normal intake valve.

1,584,658. CONCRETE-ROOF FORM. PETER RUTTEN, Osakis, Minn. Filed Dec. 28, 1925. Serial No. 78,042. 3 Claims. (Cl. 25—124.)

1. A form of constructing concrete roofs of pyramidal shape on a building comprising a frame, the latter including a collar, a series of rafters extending radially and downwardly therefrom, connecting means between the rafters, stirrups on the outer ends of the rafters adapted to detachably engage the upper edge of the building, a series of roof boards supported on the frame, the outer ends of the boards being disposed flush with the outer ends of the rafters, additional means for forming a cornice, said last mentioned means comprising a band encircling the upper portion of the building, a series of cornice boards, supporting brackets therefor attached to the band, and an additional band supported in a vertical position on the brackets and extending around the outer edges of the last mentioned boards.



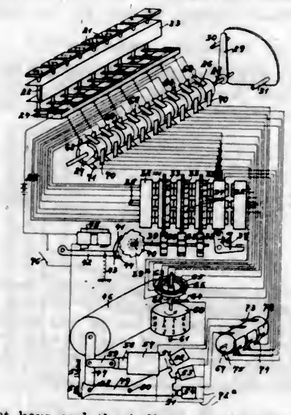
1,584,659. PEDAL COVER PAD. WILLIAM F. SCHACHT, Huntington, Ind. Filed Feb. 3, 1926. Serial No. 85,674. 1 Claim. (Cl. 74—81.)



A cover pad attachable to either a right or left pedal, such pedals being respectively attached at opposite sides to their shanks; comprising a body approximately conforming to the plan contour of both such pedals and provided with a depending flange adapted to engage the sides of the pedal, said flange having an inwardly projecting lip adapted to engage the underside of the pedal adjacent the sides thereof to confine the pad thereon, said lip being cut away at opposite sides of the pad adjacent one end thereof to enable the pad to be applied to either a right or a left pedal.

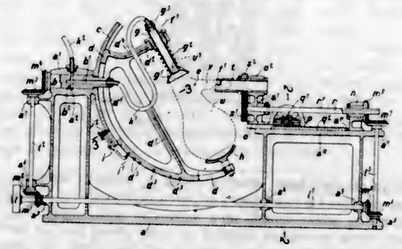
1,584,660. CIPHERING DEVICE. ARTHUR SCHERBIUS, Berlin-Wilmersdorf, Germany, assignor to The Naamlooze Vennotschap Ingenieursbureau "Securitas," Amsterdam, Netherlands. Filed Dec. 7, 1922. Serial No. 605,473. 3 Claims. (Cl. 35—13.)

1. In a coding and de-coding machine, a series of contact keys each bearing one each of one or more sets of characters, a shift key for each set of characters and bearing a shift indicating character, indicating means having elements corresponding to the sets of characters and shift indicating characters, operating means for the indicating means, a source of current, a conductor connecting the source of current to the contact keys, a second conductor connecting the source of current to the operating means, and conducting means for placing the indicating means in circuit with the contact keys when the said keys are depressed, whereby each of said keys will operate the corresponding element of the indicating means, and a code reversing element interposed in said conductor means for changing the circuits between



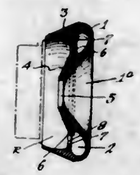
the contact keys and the indicating means, each of said shift keys being effective to operate its corresponding shift indicating element.

1,584,661. DEVICE FOR FUSING GLASS EXTENSIONS ONTO GLASS VESSELS. ERICH SCHOTT, ARTHUR HASENSTEIN, and KARL DITSCHER, Jena, Germany, assignors to Firm of Jenaer Glaswerk Schott and Gen, Jena, Germany. Filed Oct. 22, 1925. Serial No. 64,195. 4 Claims. (Cl. 49—14.)



1. A device for fusing glass extensions onto glass vessels, glass tubes and the like, containing a base plate, a guide rotatably supported on this base plate, and a gripping device fixed on this guide in such a way as to be displaceable relatively to it in a plane, containing the axis of rotation of the said guide.

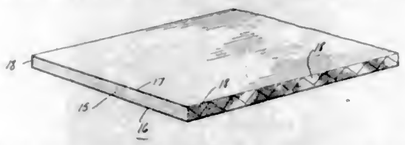
1,584,662. EAR CUSHION. SAUL SCHULHOFF, Trenton, N. J. Filed May 20, 1924. Serial No. 714,618. 2 Claims. (Cl. 179—182.)



1. As a new article of manufacture, the herein described ear cushion, comprising a hollow rim portion, provided with means for attaching it to an ear piece, and a disk-like member integrally connected with said rim

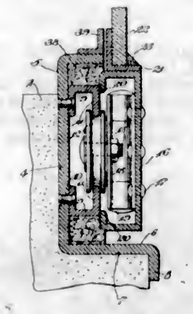
and having an outer margin which constitutes an outwardly projecting annular rib, the rim being formed with a complemental inwardly projecting annular rib spaced from the first named rib to produce therewith a restricted annular opening, as and for the purpose set forth.

1,584,663. COVERED-EDGE PLASTER BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed Nov. 4, 1924. Serial No. 747,794. 12 Claims. (Cl. 154—45.9.)



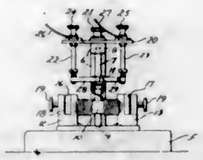
2. A plaster board of the character described comprising a cementitious body and a covering sheet disposed on each face thereof, one of said covering sheets having serrated edges folded over the edge of the body so as to expose areas of the latter at the edges.

1,584,664. WINDOW CONSTRUCTION. ALPHONSE A. SEBASTIAN, Chicago, Ill. Filed Dec. 22, 1923. Serial No. 682,274. 9 Claims. (Cl. 189—66.)



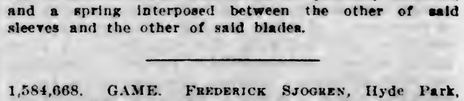
1. In a window construction, a casing, having cut away portions at the top and bottom thereof, a U shaped supporting plate fitted into said cut away portions, opposed track members carried by said plate and in spaced relation with the side portions of the plate, U shaped channel bars, hinged members carried by the channel bars, flanged rollers carried by the hinges and disposed between the opposed track members, and packing members arranged between the track members and side portions of the plate.

1,584,665. BRUSH MOUNTING FOR ELECTRIC MOTORS. RALPH R. SHAY, Chicago, Ill., assignor to Chicago Apparatus Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1925. Serial No. 4,673. 3 Claims. (Cl. 171—324.)



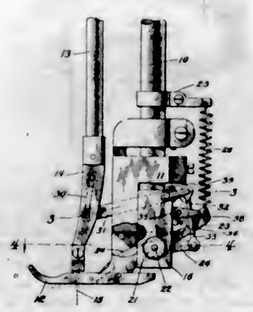
3. A brush construction for a motor having a commutator comprising, in combination, a pivot shaft parallel to the axis of the commutator, an arm pivoted on said shaft to make contact with the commutator, a coiled spring about said shaft, a digitally adjustable resilient split collar having frictional engagement with said shaft, said spring having its ends positioned to move with the arm and with said collar in their pivotal motion whereby motion of the collar is yieldably transmitted as motion or pressure to the arm.

1,584,666. TIDAL CONDUIT SYSTEM FOR SEWERAGE. HOMER G. SHOCKLEY, New York, N. Y. Filed Apr. 29, 1924. Serial No. 709,919. 2 Claims. (Cl. 182—1.)



1. A tidal conduit system for sewerage, comprising a reservoir formed as a large pipe extending from the ocean to an inlet of the ocean, a comparatively long distance therefrom, sewerage pipes positioned to discharge into said reservoir, a gate at the end of the reservoir opposite that opening into the ocean, said gate being pivotally mounted so as to swing open as water passes through said reservoir in one direction, and a float for causing the gate to close when the water attempts to pass through the reservoir in the opposite direction.

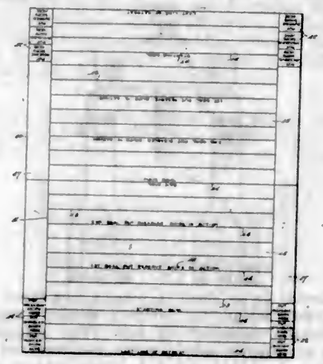
1,584,667. AUTOMATIC PICOT CUTTER FOR HEMSTITCHING MACHINES. MYER SIEGEL, Bronx, N. Y. Filed June 10, 1925. Serial No. 36,258. 5 Claims. (Cl. 112—123.)



1. In an automatic picot cutting device, the combination with the presser foot and piercer bar of a hemstitching machine, a pair of cutting blades, means between said piercer bar and one of said blades for imparting movement from the former to the latter, and adjusting means for laterally moving said cutting blades, said last means including a pair of aligned sleeves adjustably supported by said presser foot, one of said sleeves engaging one of said blades, a shaft supported by said sleeves and on which said blades are pivotally mounted, and a spring interposed between the other of said sleeves and the other of said blades.

1,584,668. GAME. FREDERICK SJOGREN, Hyde Park, Mass. Filed Jan. 30, 1926. Serial No. 84,930. 4 Claims. (Cl. 273—135.)

1. A game apparatus comprising a board having a diagram to present a battle area and battle piece areas, said battle area subdivided to present goals, each of said goals subdivided to present "distances", each of said battle piece areas having therein distinctive classifying indicia, a plurality of battle pieces, and a device

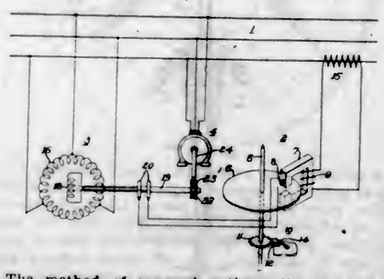


which serves to indicate the offensive and defensive moves of each or all of said battle pieces in action in the battle area in the manner specified.

1,584,669. BRAKING DEVICE. JESSE B. SKEEN, Los Angeles, Calif. Filed Dec. 10, 1924. Serial No. 755,027. 2 Claims. (Cl. 188—30.)

1. In a motor vehicle, a brake wheel connected with a shaft thereof, a pair of cam-shaped members for engaging the brake wheel under the action of gravity and arranged to prevent movement of the shaft to propel the vehicle rearwardly while permitting the shaft to be turned in a direction to propel the car forwardly, means for moving the members out of engagement with the brake wheel, such means consisting of a flexible member connected with a part of one member and flexible and yieldable means for connecting the members together.

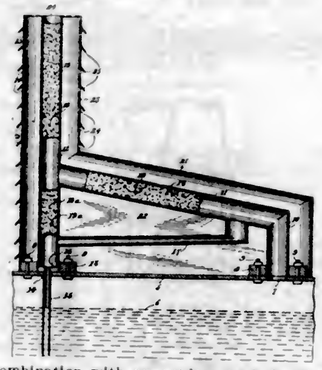
1,584,670. VOLT-AMPERE METER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1923. Serial No. 622,791. 11 Claims. (Cl. 171—309.)



3. The method of measuring the volt-amperes of an alternating-current circuit which comprises modifying at a constant rate the phase relation of quantities proportional to the current and the voltage of the circuit and causing the modified proportional quantities to cooperate.

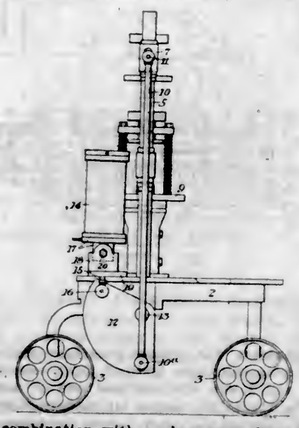
4. The combination with an alternating-current circuit, of a movable element, current and voltage-responsive means for actuating said element, and means for changing the frequency of the current in one of said responsive means.

1,584,671. VAPOR SAVER. RALPH E. SLEPPY, Tulsa, Okla., assignor of one-half to Edward M. Lotridge, Tulsa, Okla. Filed Mar. 29, 1923. Serial No. 628,682. 1 Claim. (Cl. 257—36.)



The combination with an outdoor tank for the storage of a volatile liquid; of a condenser consisting of a pipe extending vertically from the top of said tank and having a drain pipe extending from its lower end into the tank below the liquid level, a second pipe communicating with the top of the tank above the liquid level and also communicating with the first pipe intermediate its ends, said second pipe extending vertically from the tank a short distance and then extending diagonally upward to the first pipe, plugs of loose metal filaments in the first pipe above and below the point of entry of the second pipe, a third similar plug located in the diagonal portion of the second pipe, a drain pipe leading from the second pipe adjacent its vertical portion to the first pipe below the lower plug, and a shade covering said pipes and provided with openings to permit free circulation of the air.

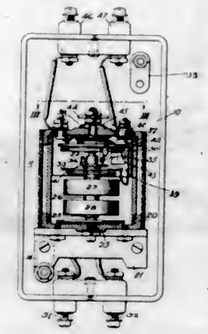
1,584,672. POWER-OPERATED GLASS PRESS. EDWIN E. SLICK, Pittsburgh, Pa. Filed Oct. 13, 1925. Serial No. 62,241. 9 Claims. (49—38.)



1. The combination with a glass press have a reciprocable plunger, a link for moving the plunger, an oscillating element to which the link is eccentrically con-

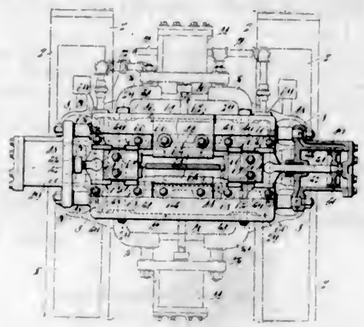
nected, said link and oscillating element being arranged to approach a position of dead center upon the downward movement of the plunger, and a power actuating means connected with said oscillating element.

1,584,673. THERMAL RELAY. BENJAMIN H. SMITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 26, 1921. Serial No. 448,104. 8 Claims. (Cl. 200—113.)



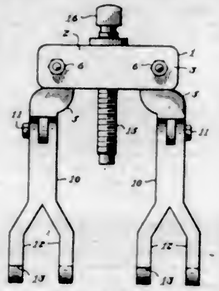
1. A thermal relay comprising a movable shaft, a sleeve of conducting material disposed thereon and insulated therefrom, a plurality of spirally-wound bimetallic members disposed on the conducting sleeve, a contact member controlled by the movement of the shaft caused by the metallic members and an oil-containing vessel for enclosing the bimetallic member.

1,584,674. DEVICE FOR REMOVING SCALE AND SURFACE DEFECTS FROM SHEET BAR WHILE BEING ROLLED HOT. JOHN LAWRENCE SMITH, Hamilton, Ontario, Canada, assignor to Bar and Billet Scraper Co., Inc., a Corporation of New York. Filed Sept. 28, 1925. Serial No. 59,140. 22 Claims. (Cl. 29—81.)



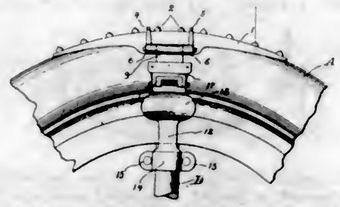
1. An apparatus for removing surface defects from sheet bar, comprising two distinct units one to scrape the upper and lower surfaces and one to scrape the edges of the sheet bar, means for mounting detachably one of said units on the other, means for mounting said other unit on the frame of a rolling mill, and means for operating said units simultaneously.

1,584,675. WHEEL PULLER. WILLIAM T. SMITH and HENRY KEYTON, Coatesville, Pa. Filed June 27, 1924. Serial No. 722,765. 1 Claim. (Cl. 29—85.)



In a device as set forth, a yoke, a feed screw threadably carried thereby, leg carrying members detachably and pivotally connected to said yoke, gripping legs pivotally attached to said carrying members and having their outer ends bifurcated to form diverging arms, and laterally bent hooks on the ends of said arms and extending in opposite directions.

1,584,676. ANTISKID SHOE. JOSEPH SOUKUP, North Chicago, Ill. Filed June 21, 1921. Serial No. 479,345. 3 Claims. (Cl. 152—14.)

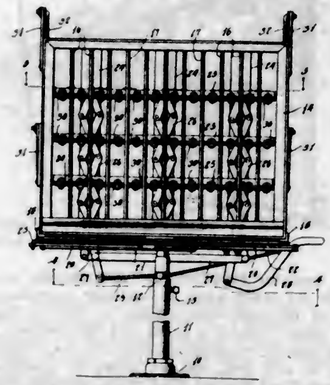


1. In an antiskid shoe, the combination of a shoe body concavely curved longitudinally and transversely for fitting a tire, spoke clamping members connected to said shoe body for limited movement relative thereto, means for clamping said clamping members to a spoke, and means for preventing relative movement of said clamping members and shoe body.

1,584,677. TRAP. WALLIS STACY, Stacy, Va. Filed Oct. 28, 1925. Serial No. 65,425. 4 Claims. (Cl. 43—78.)

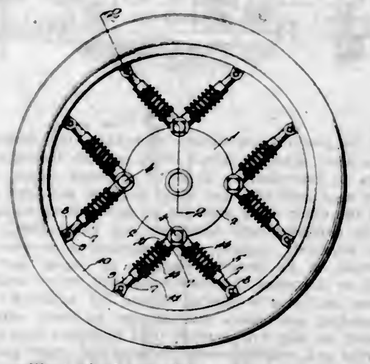
1. An animal trap comprising a base, a cross member spaced above the base, guide rods connecting the base and cross member, a plunger movable along the guide rods, springs to force the plunger to engage the base, a rod rigid with the plunger and guided through the cross member, a trigger carried by the cross member, means carried by the plunger rod to engage the trigger and hold the plunger against the action of the spring, a bait holder between the base and plunger and means carried by the bait holder to engage the trigger and hold the latter against operation.

1,584,678. RACK FOR ASSORTING MAIL. JULIUS J. STENSGAARD, Woodville, Wis. Filed Nov. 1, 1924. Serial No. 747,283. 5 Claims. (Cl. 211—321.)



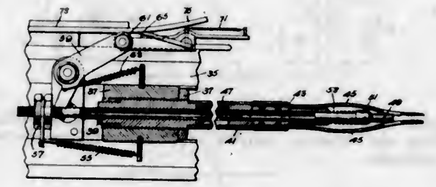
1. In a rack of the character specified, a supporting frame, vertically disposed guide members, a plurality of transversely arranged article supports, and lazy-tongs connecting the article supports to effect simultaneous and proportionate movement thereof and maintain them in parallel relation at all stages of the movement.

1,584,679. RESILIENT WHEEL. JOHN L. STOLTZ, Sumner, Ill. Filed Sept. 4, 1923, Serial No. 660,871. Renewed Oct 8, 1925. 2 Claims. (Cl. 152—47.)



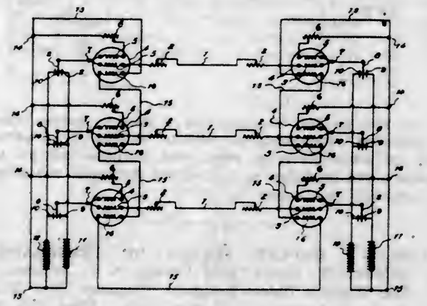
1. A resilient wheel comprising a hub including a disc, a rim, a plurality of resilient spokes connecting said hub disc and rim, said spokes arranged in pairs with the spokes of each pair disposed substantially at right angles to each other, said spokes including outer shells, laterally offset heads on the inner ends of said outer shells and engaging against the side of the hub disc, and pivotally connected to the hub disc, inner shells pivotally connected to the inner perimeter of the rim and slidably extending into the first named shells, and springs for cushioning the movement between the outer and inner shells.

1,584,680. NEEDLE LOOM. GEORGE B. AMBLER, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1922. Serial No. 551,513. 14 Claims. (Cl 139—130.)



1. In a loom of the class described, in combination, a guiding support, a reciprocating picking device carried thereby and adapted to draw the filling through the shed, said device having normally closed jaws, means for opening the same comprising a movable follower, a short fixed cam surface adjacent one end of the support to cooperate with said follower at the outer limit of its travel and a short fixed cam surface adjacent the other end of the support to cooperate with the follower adjacent the inner limit of its travel and past which it travels to move past the end of the same and return on the other side thereof.

1,584,681. METALLIC DUPLEX SYSTEM OF TELEGRAPHY. ALBERT ATHERTON, Woodhaven, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed July 23, 1924. Serial No. 727,749. 4 Claims. (Cl. 178—58.)

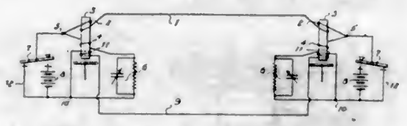


1. A duplex system comprising a plurality of main line conuctors, artificial lines individual to said main line conductors, a common metallic return circuit for said main line conductors, electro-responsive receiving means individual to each of said main line circuits, and a winding individual to each of said receiving means connected in said return circuit, and sources of transmitting energy common to a plurality of said main lines.

1.584,682. DUPLEX TELEGRAPH SYSTEM. ALBERT ATHERTON, Woodhaven, N. Y., and GEORGE W. JANSON, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed July 23, 1924. Serial No. 727.750. 9 Claims. (Cl. 178—58.)

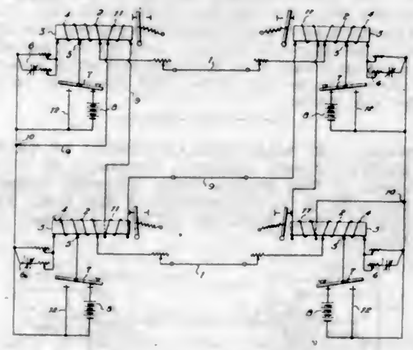
1. A duplex telegraph system comprising a main line circuit; artificial line circuits; receiving relays with certain windings thereof connected in series in said artificial line circuits and with other windings thereof

connected in series in said main line circuit; said artificial line circuits being so proportioned with respect to said main line circuit that the outgoing currents in



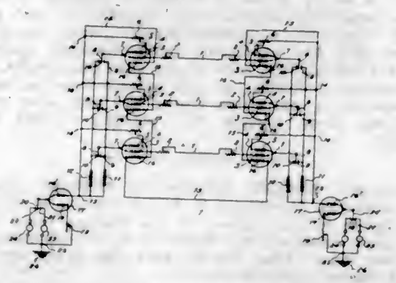
said first mentioned windings will differ substantially from the outgoing currents in said second mentioned windings.

1,584,683. PLURAL DUPLEX SYSTEM OF TELEGRAPHY. FERNAND E. D'HUMY, Englewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed July 18, 1924. Serial No. 726,868. 8 Claims. (Cl. 178—58.)



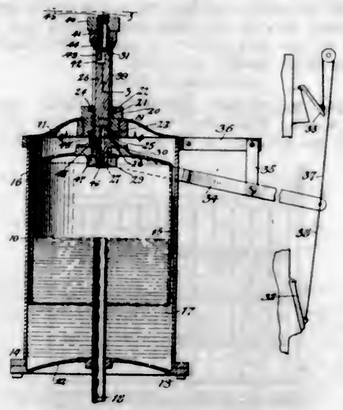
1. The method of operating a duplex system which comprises establishing a definite unbalanced condition in the home receiving relay, and compensating for the unbalanced condition by the current flowing in the return circuit of the system.

1,584,684. DUPLEX SYSTEM OF TELEGRAPHY. HERBERT W. DRAKE, East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed July 23, 1924. Serial No. 727,765. 4 Claims. (Cl. 178—58.)



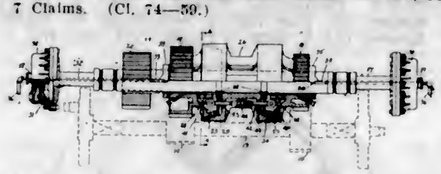
1. A telegraph system comprising a complete metallic duplex circuit, and a grounded duplex circuit superposed upon said metallic duplex circuit.

1,584,685. REGULATOR FOR STEAM GENERATORS. RALPH MANISON HYDE, Westfield, N. Y. Filed June 6, 1921. Serial No. 475,236. 7 Claims. (Cl. 236—52.)



1. A regulator comprising a tank adapted to contain liquid in its lower part, a vertically movable bell arranged in the tank and adapted to dip its lower end in said liquid to form a liquid seal therebetween, a fluid carrying conduit extending through the tank and into the interior of said bell, and an outwardly opening check valve permitting gaseous fluid under pressure within the interior of the upper part of the tank to pass to the external atmosphere when the bell is in its lowermost position.

1,584,686. ENGINE FOR USE IN LOGGING AND THE LIKE. JOHN R. MCGIFFERT, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Apr. 24, 1923. Serial No. 634,285. 7 Claims. (Cl. 74—59.)

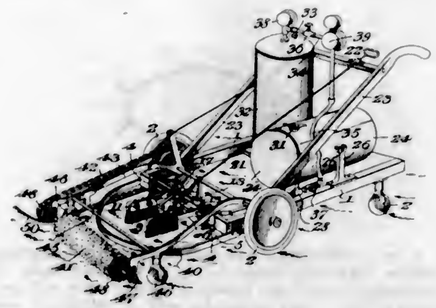


3. In power transmission mechanism, the combination of a drive shaft, a driven shaft parallel therewith, two pairs of intermeshing gears of different ratios, one of each such pair of gears being fixed on said drive shaft and the other being mounted on said driven shaft so as to be normally both rotatably and longitudinally movable relatively thereto, such longitudinal movement, depending on its direction, serving to engage said gears with or disengage the same from said driven shaft, and means including a member rigidly but adjustably interconnecting said gears and adapted to move either one thereof on said driven shaft thus to fixedly engage same thereto and simultaneously to move the other gear positively to disengage the same from said shaft.

1,584,687. MACHINE FOR MARKING OR PAINTING LINES. HORACE BERTON AULT, Morristown, Tenn., assignor to Tennessee Tool Works, Inc., Knoxville, Tenn., a Corporation of Tennessee. Original application filed Mar. 14, 1924, Serial No. 699,379. Divided and this application filed Mar. 29, 1926. Serial No. 98,295. 14 Claims. (Cl. 91—25.)

1. In a machine for marking a line or band, the combination with brushes arranged side by side, of means

for delivering marking or painting material to said brushes, and an independent separately mounted smooth-

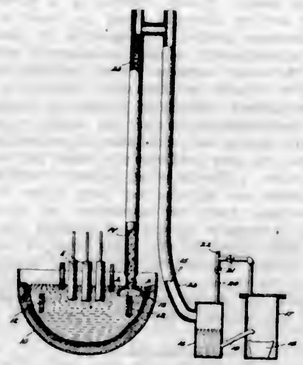


ing brush adapted to smooth down the marking material being laid by the aforesaid brushes.

1,584,688. MAGNESIUM-ALUMINUM ALLOY. HERMAN E. BAKKEN, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,865. 5 Claims. (Cl. 75—1.)

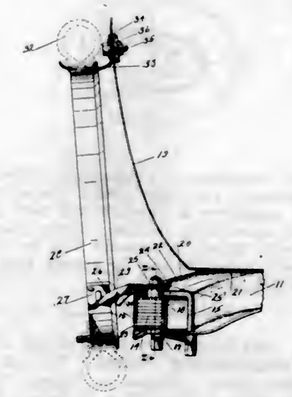
1. An alloy, having a specific gravity approximating that of magnesium, comprising a major quantity of magnesium, a minor quantity of aluminum, and a quantity of manganese not widely different from one percent, the quantity of aluminum being in excess of the quantity of manganese.

1,584,689. PROCESS AND APPARATUS FOR VOLATILIZING METAL. HERMAN, E. BAKKEN, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Apr. 27, 1921. Serial No. 464,823. 15 Claims. (Cl. 204—19.)



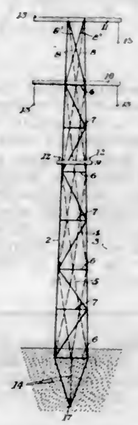
1. The process of reducing magnesium from its fused salts comprising subjecting the fused salts to electrolysis and simultaneously volatilizing the separated magnesium at less than atmospheric pressure.

1,584,690. TIRE CARRIER. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 7, 1920. Serial No. 408,652. 3 Claims. (Cl. 224—29.)



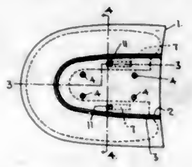
1. In a motor vehicle, the combination of an axle, a frame, a spring interposed between the axle and the frame, a tire holder mounted upon the frame, and common means connecting said frame, spring and tire holder and permitting the holder to be removed without loosening the connection between the frame and spring.

1,584,691. TOWER. FRANKLIN M. BOWMAN, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 660,310. 6 Claims. (Cl. 189—12.)



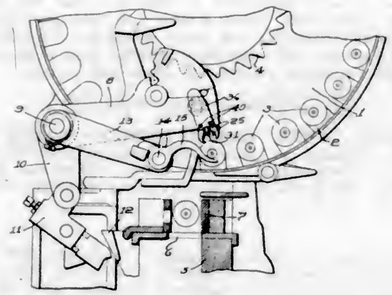
1. In a structural metal tower having but two uprights, means connecting the uprights, horizontally projecting structural elements at spaced intervals in the uprights, and upwardly extending and downwardly extending diagonals connecting the outer portions of the horizontal elements with the uprights, substantially as described.

1,584,692. TWO-PART HEEL. LEON BUCKNER, Oakland, Mich. Filed Jan. 2, 1923. Serial No. 610,103. 6 Claims. (Cl. 36—36.)



5. A heel comprising a substantially permanent part and a replaceable part, and metallic plates carried by said parts engageable to maintain said parts assembled, one of said plates bodily forming a spring adapted to be stressed bodily through engagement with the other plate whereby said removable part is pressed firmly against said permanent part.

1,584,693. TRANSFERRING MECHANISM FOR FILLING REPLENISHING LOOMS. PATRICK KEEGAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 13, 1925. Serial No. 68,793. 8 Claims. (Cl. 139—244.)



1. In a filling replenishing loom, the combination of a hopper for filling carriers, a transferrer having an arm extending therefrom in substantially parallel relation to the bobbin to be transferred, a head fixed to said arm and having pivoted jaws to engage the tip of a bobbin to be transferred actuated by downward movement of the transferrer, a jaw closing slide having upwardly converging inclines to separate the upper end of the jaws and close both jaws about the tip of a bobbin, nd a spring for returning the jaw closing slide into normal position to permit both jaws to release the bobbin as the transferrer starts upwardly

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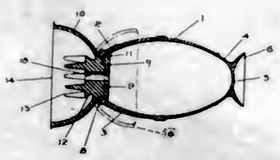
1,584,694. COVERING. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Sept. 22, 1924. Serial No. 739,028. 1 Claim. (Cl. 154—54.)

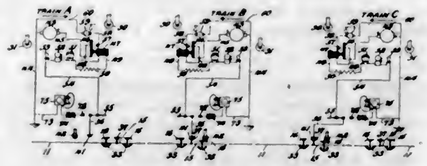
A covering formed to size and comprising an essentially flat relatively thick sponge rubber base portion surmounted by a flat relatively thin facing sheet integrated with said base portion, formed at least partly of rubber, and extending over both the top and edges of said base portion.

1,584,695. MASSAGING DEVICE. JOHN PALMER, San Francisco, Calif., assignor of one-half to H. K. Davis, Auburn, Calif. Filed June 3, 1925. Serial No. 34,511. 2 Claims. (Cl. 128—60.)



2. In a massaging device, an air-bulb of substantially prolate spheroidal form having a wall decreasing in thickness from its one extremity to the other and provided at one of said extremities with an opening, a neck bearing massaging-tips and provided with an air-vent, means for removably securing said neck within said opening, and a massaging-cup borne by and forming an integral part of said neck and adapted to encircle said massaging-tips.

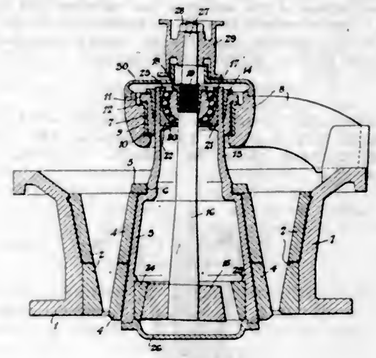
1,584,696. AUTOMATIC TRAIN SIGNAL AND CONTROL DEVICE. CHARLES HENRY WATT and FRANK G. NEGUS, Amherst, Nova Scotia, Canada, assignors to Watt-Negus Automatic Train Control Company, Limited, Amherst, Nova Scotia, Canada. Filed Nov. 5, 1924. Serial No. 747,919. 9 Claims. (Cl. 246—69.)



4. A train control system comprising a circuit wire made up of sections arranged along the track, a switch for each alternate section and operable to connect it to ground, a stationary contact permanently connected to each of the other sections, circuit breakers normally in position to connect all the wire sections in series, and train equipment comprising means for closing each switch and subsequently opening the same, a generator on each train, means for establishing a connection from the generator to each stationary contact as the train passes the same, a circuit being thereby established, in case two trains are approaching each other from opposite directions, from the generator on each train through the stationary contact and through the switch which has been closed by the other train, a motor on each train, means actuated by the current through said circuit, when the trains are dangerously near each other, for connecting the motor to the generator, and means operable by the motor, when so connected to set the brakes.

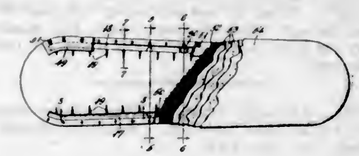
1,584,697. GYRATORY CRUSHER. RICHARD BERNHARD, Allentown, Pa., assignor to Benjamin A. Mitchell, Tompkinsville, Staten Island, N. Y. Filed June 27, 1921. Serial No. 480,514. 24 Claims. (Cl. 83—10.)

1. A gyratory crusher, comprising in combination, a crusher bowl, a crusher head mounted for gyratory movement within said bowl, a single element within said head, and means for positively rotating said element



about its axis to cause the same to gyrate within the head, and to impart a gyratory movement to said head.

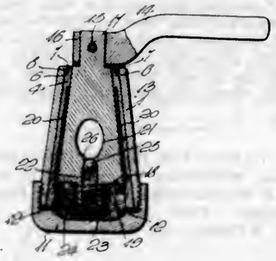
1,584,698. BUCK AND STEAMER THEREFOR. BUFORD W. BROCKETT, Euclid Heights, Ohio, assignor, by direct and mesne assignments, of one-half to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio, and one-half to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1920. Serial No. 376,084. 5 Claims. (Cl. 68—9.)



1. In a garment press, a frame, a head, a hollow heated buck having a heating chamber bounded by a single upper wall, the upper surface of which forms a pressing face, said surface being imperforate throughout substantially the main pressing area thereof, a padding upon said face, and means within the pressing area of said buck for supplying steam to and directing it through the padding on said buck.

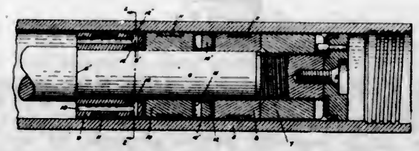
1,584,699. PLUG VALVE. STERLING DAVENPORT, Jerome, Ariz. Filed Mar. 5, 1925. Serial No. 13,203. 1 Claim. (Cl. 251—93.)

A plug valve comprising a body having a pressure inlet and an outlet and a tapered plug receiving bore extending transversely between said inlet and outlet, a tapered bushing in the bore of the body having opposed openings alined with the inlet and outlet, and a longitudinal groove in its inner face terminating inwardly from its ends, a tapered plug removably arranged within the bushing and having a port for registration with the inlet and outlet, said plug having its large end spaced inwardly from the adjacent end of the bushing to form a grease containing chamber, a central projecting portion on said large end having a bore opening through both ends and into said port, a valve seat at the port end of said last named bore, a ball valve seatable on said



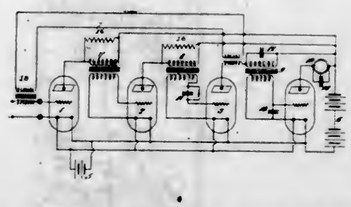
seat, a removable closure for the large end of the valve, a coiled spring encircling said projecting portion to snugly interengage the plug and bushing, and means for rotating said valve plug.

1,584,700. METALLIC PACKING. BRYAN P. JOYCE, Davenport, Iowa. Filed June 8, 1925. Serial No. 35,794. 6 Claims. (Cl. 74—109.)



1. In combination with a casing and a reciprocal member mounted therein, a plurality of metallic rings embracing said member, cup rings fitted on the corresponding ends of the inner and intermediate rings and seating against the succeeding ring, the inner ring provided with a series of longitudinal ducts and intersecting transverse ducts for directing a pressure medium against the approximate center of the shells of the cup ring, and the intermediate ring provided with transverse ducts disposed partially above the rim on its cup ring to equalize the pressure within said cup ring.

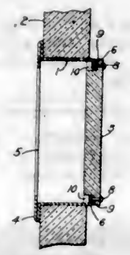
1,584,701. AUDION OR LAMP RELAY OR AMPLIFYING APPARATUS. MARIUS C. A. LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed July 2, 1918. Serial No. 243,080. 18 Claims. (179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a high-frequency signaling system, the combination of a plurality of thermionic relays arranged in cascade and including a high-frequency amplifier relay, a low-frequency amplifier relay and an intermediate thermionic detector relay, means for coupling said relays

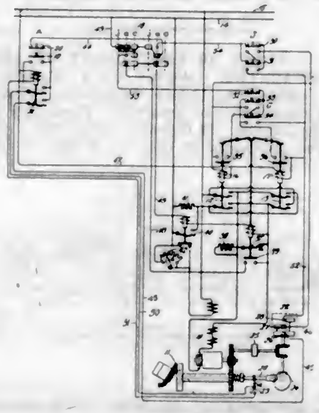
comprising transformers coupling the output circuit of each of said relays to the input of the succeeding relay, a common source for supplying space current to all of said relays, a condenser shunting a winding of the transformer coupling said detector relay with said low-frequency amplifier relay whereby high-frequency current is diverted from said low-frequency relay and the tendency to the production of high-frequency oscillations through the use of said common source is reduced, and supplemental means for preventing high-frequency oscillations.

1,584,702. CASING FOR ELECTRIC METERS. RALPH J. PALMER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,874. 3 Claims. (Cl. 171—34.)



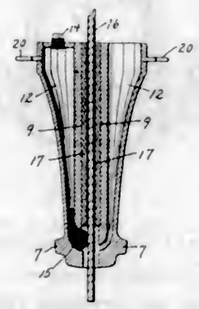
1. A meter casing comprising a cylindrical side-wall member, a discoidal base member and means on each of said members for securing the same together, said members having interfitting portions permitting the members to be moved to, and positively held in, an angular position about the longitudinal axis thereof in which the securing means on the respective members register with each other.

1,584,703. MOTOR-CONTROL SYSTEM AND APPARATUS. FRANK H. PENNEY, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 22, 1924. Serial No. 701,212. 8 Claims. (Cl. 172—246.)



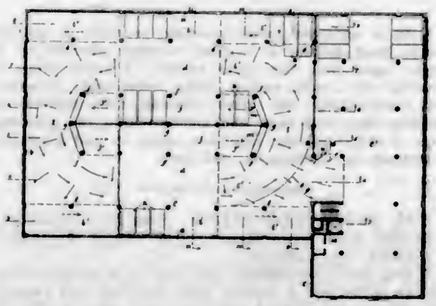
1. An electric drive for a hot metal rolling machine or the like comprising a reversible electric motor arranged for positive driving connection with the machine for each direction of rotation, switch mechanism for reversing the motor, and automatic means actuated responsively to rotation of the motor for operating the said switch mechanism upon a predetermined number of revolutions of the motor in one direction and a different predetermined number of revolutions of the motor in the opposite direction to thereby progressively vary the point of reversal of the motor.

1,584,704. ROPE GUIDE AND LUBRICATOR FOR DRILL ROPES. FRED SWAN, Marietta, Ohio. Filed Feb. 12, 1924. Serial No. 692,257. 7 Claims. (Cl. 184—15.)



1. In a rope guide and lubricator for the drill rope of well drilling apparatus adapted to be supported on the upper end of well casing, a plug having its lower portion of less diameter than the interior of the casing and adapted to enter the upper end thereof, having its upper portion of greater diameter than the casing and adapted to rest upon the upper end thereof and having a central longitudinal opening through it for the drill rope and a lining of non-conducting material for the opening through which the rope passes, and means carried by the plug independent of the lining for lubricating the rope.

1,584,705. GARAGE. FRED W. WENTWORTH, Paterson, N. J. Filed Apr. 21, 1923. Serial No. 633,615. 7 Claims. (Cl. 20—1.13.)

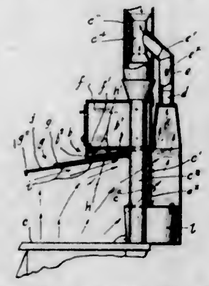


1. A building having substantially horizontal floors arranged in laterally offset relation to each other and at different levels and each having a substantially horizontal driveway extending substantially parallel with the vertical plane between said floors and also a storage space flanking the driveway, the building also having a bent ramp connecting a floor at one side with a floor at the other side of said plane and having its legs extending substantially lengthwise of and merging into the driveways of said floors and flanked laterally by the ends of their said storage spaces.

1,584,706. HIGH LEAD-BRONZE ALLOY AND METHOD OF MANUFACTURING THE SAME. WILLIAM E. DAY, Jr., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 20, 1923. Serial No. 669,709. 2 Claims. (Cl. 75—1.)

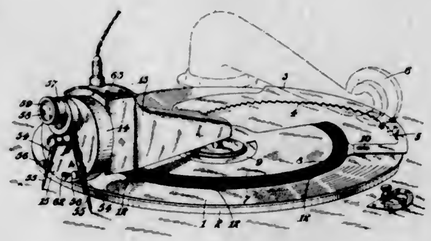
1. The herein described method of manufacturing a bearing alloy consisting in combining lead and copper and bringing the whole to at least 2700° F., then adding tin and a small quantity of a deoxidizer, pouring the mass into a hot pouring ladle, and introducing the metal into molds.

1,584,707. FUME AND HEAT REMOVING DEVICE. ARTHUR HEDEEN, Portland, Oreg. Filed Nov. 3, 1924. Serial No. 747,475. 7 Claims. (Cl. 126—299.)



1. In a device of the character described, a chamber having an outlet at the top and provided with means for attaching to a stove, with a bottom part forming an added area to the surface of the stove, in combination with an inclined surface extending part way over the stove, and a pipe attached to the outlet of the chamber and extending in a suitable manner to the atmosphere.

1,584,708. PICTURE PROJECTING OR EXHIBITING MEANS. NOEL PEMBERTON-BILLING, London, England, assignor of one-half to World Record Limited, Cromwell Works, London, England, a British Company. Filed May 8, 1925. Serial No. 28,841. 16 Claims. (Cl. 88—27.)



1. The combination with a revolving member having a track thereon, of means movably guided by the track, a picture strip at an angle to the revolving member having a series of pictures thereon positive actuating means associated with the revolving member imparting movement to the picture strip, whereby the pictures are successively displayed, and means for controlling the movement so imparted, said last-mentioned means being associated with the track-guided means and controlled thereby.

Patents Nos. 1,584,709 to 1,585,632.

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Issue of May 18, 1926.

Trade-Marks	313	No. 212,866 to No.	213,178,	inclusive.
T. M. Renewals	140			
Labels	34	No. 30,339 to No.	30,372,	inclusive.
Prints	61	No. 8,778 to No.	8,838,	inclusive.
Reissues	4	No. 16,351 to No.	16,354,	inclusive.
Designs	58	No. 70,147 to No.	70,204,	inclusive.
Patents	924	No. 1,584,709 to No.	1,585,632,	inclusive.
Total	1,534			

ADJUDICATED PATENTS.

(C. C. A. Ga.) The Thompson patent, No. 1,072,791, for shock absorber for Ford cars, *Held* not infringed. *Apco Mfg. Co.* v. *Temco Electric Motor Co.*, 11 F. (2d) 109.

(C. C. A. N. Y.) The Neilson patent, No. 1,389,067, for an undergarment for women, claims 1, 2, and 5 *Held* valid and infringed. *Winget Kickernick Co.* v. *Kenilworth Mfg. Co.*, 11 F. (2d) 1.

(D. C. Conn.) The Hewes patent, No. 1,419,137, for made-up bow necktie, claims 1, 2, and 3 *Held* valid and infringed. *Hewes* v. *Gay*, 11 F. (2d) 165.

(C. C. A. Ohio.) The Kroehle patent, No. 1,432,872, for lens for use in stop signals to be used on rear end of automobiles, claims 2 and 3 *Held* invalid. *Protex Signal Co.* v. *Feniger*, 11 F. (2d) 43.

(C. C. A. Ohio.) The Kroehle patent, No. 1,432,873, for lens for use in stop signals to be attached to rear end of automobiles, claims 1, 4, 5, 7, and 9 *Held* invalid and claims 3, 6, and 10 *Held* valid and infringed. *Protex Signal Co.* v. *Feniger*, 11 F. (2d) 43.

(C. C. A. Ohio.) The Kroehle design patent, No. 58,916, for stop signal, *Held* valid and infringed. *Protex Signal Co.* v. *Feniger*, 11 F. (2d) 43.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,492,147, Van Hise and Baldwin, Fluid elevating and feeding means, decided April 23, 1926, claims 1 to 6, inclusive.

Pat. 1,492,153, Van Hise and Baldwin, Fluid elevating and lifting means, decided April 23, 1926, claims 1 and 2.

Pat. 1,492,363, F. Edson, Steering-wheel rim, decided April 21, 1926, claims 1, 4, and 6.

Pat. 1,504,940, Carpenter and Carlson, Telephone-receiver circuits, decided April 23, 1926, claims 1 to 13, inclusive.

Pat. 1,521,275, Carpenter and Carlson, Telephone head set, decided April 23, 1926, claims 1 to 5, inclusive.

Pat. 1,533,872, Linaker and Bruback, Tube cleaner, decided April 2, 1926, claims 1, 2, 8, and 9.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 105,792, Candy, Liebenthal Bros. & Co., Cleveland, Ohio. Registered August 17, 1915. Decided March 31, 1926.

T. M. 166,657, Hosiery, Mansmann Brothers, Inc., Pittsburgh, Pa. Registered April 10, 1923. Decided March 19, 1926.

Condition of Applications Under Examination at Close of Business May 7, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,511; Trade-Mark Division, 1,913. Oldest new case, Nov. 7, 1925; oldest amended, Nov. 7, 1925. The dates given are 1926 except where † indicates 1925.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 20	Feb. 24	557
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 19	Jan. 28	552
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 5	Jan. 22	1,110
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 13	Mar. 11	640
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 7	Dec. 14	959
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 21	Jan. 21	1,214
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 15	Feb. 15	818
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 25	Feb. 25	1,027
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	Jan. 7	528
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 1	Feb. 8	964
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 18	Feb. 17	763
380	12. PIERCE, F. P., Machine Elements	Feb. 8	Feb. 8	610
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 20	Mar. 12	622
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 29	Jan. 16	914
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 24	Mar. 6	600
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 8	Feb. 8	938
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 27	Jan. 23	419
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 29	†Dec. 29	811
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 1	Mar. 6	521
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 9	Feb. 16	754
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 17	Feb. 15	488
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 25	Jan. 26	613
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 8	Jan. 29	284
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 1	Mar. 1	505
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Jan. 30	Feb. 1	872
226*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 7	†Nov. 16	790
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 10	Mar. 8	500
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 1	Feb. 16	891
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 27	†Dec. 2	1,049
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 24	Feb. 1	686
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 5	Mar. 3	816
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 19	Feb. 17	547
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 19	Mar. 2	796
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Nov. 11	†Nov. 7	707
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 20	Mar. 9	519
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Feb. 23	Feb. 18	999
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 1	Jan. 25	1,006
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 2	Jan. 2	894
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 22	Feb. 2	476
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 15	Feb. 13	1,117
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 8	Feb. 12	454
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 18	Feb. 15	947
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 22	Jan. 22	798
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Nov. 16	†Nov. 20	1,005
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 11	Feb. 10	471
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 2	Jan. 26	748
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 30	Feb. 15	1,033
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 18	†Nov. 19	1,607
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 3	Mar. 4	521
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 18	Jan. 19	1,243
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 5	Jan. 4	1,756
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Jan. 2	Jan. 6	827
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 6	Mar. 4	744
102	Designs: C. O. MARKHAM (Acting)	Apr. 16	Apr. 19	391
163	Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. (Trade-Marks	Apr. 7	Apr. 22	1,794
	(Labels and Prints	Apr. 14	Apr. 28	119

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EDMONDS SHOE CO. *v.* BECK HAZZARD, INC.

Decided January 30, 1926.

1. TRADE-MARKS—REGISTRATION UNDER ACT OF 1905—NOT CONCLUSIVE OF OWNERSHIP—DOES NOT PRECLUDE SHOWING THAT MARKS ARE MERELY GRADE OR STYLE MARKS.

Where opposer has obtained separate registrations for the words "Tom," "Dick," and "Harry," respectively, applicant for registration of the three words "Tom, Dick and Harry" as a single mark is not precluded from showing that opposer's marks were merely grade or style marks, opposer's prior registrations being under section 16 of the Trade-Mark Act of 1905 only prima facie evidence of ownership of the marks.

2. TRADE-MARK RIGHTS—ADVERTISING.

No trade-mark right grows out of mere advertising.

3. SAME—SAME—MERE INVENTION OR DISCOVERY.

No trade-mark right grows out of mere invention or discovery.

4. SAME—TRADE-MARK USE—MARK MUST BE ATTACHED OR APPLIED TO GOODS.

To constitute a trade-mark use, the mark must be attached or applied to the goods.

5. SAME—PROPERTY IN—HOW ACQUIRED.

Property can only be acquired in a trade-mark by its application to goods of a certain class, so as to indicate the origin of the goods—that is, to identify them with a particular manufacturer or trader.

6. SAME—OPPOSITION—GRADE MARKS—CONJOINT USE OF SEVERAL—ADVERTISEMENTS.

Where there is no evidence of the conjoint use of the names "Tom," "Dick," and "Harry" by opposer as a trade-mark or any evidence of any use of all these words as trade-marks per se, but merely as grade marks, and where when these words were used together in advertisements they were used in such a way as to indicate the grades of the goods, the advertisements all prominently displaying the trade-mark "Foot-Fitter," *Held* that opposer has not shown any facts which would justify refusing applicant the registration which it seeks for the mark "Tom, Dick and Harry."

APPEAL from Examiner of Interferences.

Opposition No. 6,026 to registration of trade-mark of Beck Hazzard, Inc., for boots, shoes, and slippers. Application filed September 23, 1924, Serial No. 202,921, published December 16, 1924.

Mr. Richard S. C. Caldwell for Edmonds Shoe Co.

Mr. Perlie P. Fallon for Beck Hazzard, Inc.

ROBERTSON, *Commissioner:*

This is an appeal by Beck Hazzard, Inc., from the decision of the Examiner of Interferences in Charge of Trade-Marks sustaining an opposition filed by Edmonds Shoe Co. and holding that Beck Hazzard, Inc., is not entitled to registration of the trade-mark shown in its application.

The trade-mark of applicant consists, as appears from the application, of the representation of a gabled roof having in the end thereof the words "Tom, Dick, and Harry" and the representation of a lantern.

The opposition is based upon three prior registrations obtained by the Edmonds Shoe Company of the words "Tom," "Dick," and "Harry," respectively, being registrations Nos. 149,041, 149,042, and 149,040, registered December 6, 1921, for the same goods.

The notice of opposition also alleges that the opposer has built up a business of manufacturing and selling leather shoes known as "Tom, Dick and Harry" shoes, and that such shoes had been marketed and sold under the name "Tom, Dick and Harry"; that said name has been so thoroughly advertised and distributed throughout the markets of the several States of the United States that the use of the mark "Tom, Dick, and Harry" by the applicant would cause confusion or mistake in the mind of the public, etc.

The Examiner of Interferences ruled that the registrations were, under section 16 of the Trade-Mark Act, prima facie evidence of ownership of the marks and that unless and until they were canceled this Office must continue to give them that effect as evidence and that they therefore establish that the marks shown in the certificates of registration are "owned and used by" the opposer. He further held that although the testimony showed that the notations "Tom," "Dick," and "Harry" were used to indicate a style of shoes the use of these three words together in advertising might and probably did indicate to the trade the origin of the goods. He therefore held that the opposer was likely to be injured and that any doubt must be resolved against the applicant as the later user.

[1] It is thought that the Examiner gave too much weight to these registrations as evidence of use and ownership. The very fact that the statute says that registration is prima facie evidence of ownership shows that it was not intended to make it conclusive evidence. If a suit were brought on one of these registrations, the defendant would not be precluded from showing that the mark was not, in fact, a trade-mark or had not been used at all, and since opposer has based his opposition largely on these registrations the applicant is not precluded from showing, as is contended to be the fact, that these marks were merely grade or style marks.

[2, 3, 4, 5] It is well settled that no trade-mark right grows out of mere advertising. In the case of *Battle Creek Sanitarium Company, Limited*, v. *Fuller*, 134 O. G. 1299; 30 App. D. C. 411, where the registration of the words "Health Food," applied to bread, crackers, etc., under the ten-year clause, was opposed, the court of appeals, after stating that no trade-mark right grows out of mere invention or discovery, and that to constitute a trade-mark use the mark must be attached or applied to the goods, and that property can only be acquired in a trade-mark by its application to goods

of a certain class, so as to indicate the origin of the goods—that is, to identify them with a particular manufacturer or trader (citing decisions)—said:

> The mere advertisement of the words or symbol without application to the goods themselves is insufficient to constitute a trade-mark. As this is all that was claimed in the opposition, the Commissioner was right in sustaining the demurrer to it on that ground.

There is no testimony in this case to show that any of the words "Tom," "Dick," or "Harry" was ever placed upon a shoe alone, nor, in fact, is there any testimony to the effect that they were ever used on shoes at all. The labels which accompany the application for registration of these words all include a triangle containing the word "Edmonds" and the word "Foot-Fitter." The testimony clearly shows that this latter word was the trade-mark of the opposer.

The testimony of opposer's witnesses, particularly Musebeck, who was the vice president and general manager of the opposer, shows that these three words were used to represent different grades or styles of shoes. In answer to question 9 he states that these three marks were applied to "three different types of lasts," and in answer to cross-questions 91 to 93 he states that "Tom" indicated a broad-toe shoe, "Dick" a medium or semi-English toe, and "Harry" an English toe.

There is quite a good deal of testimony as to the use of the phrase "Tom, Dick and Harry" in advertisements, and it is argued that these advertisements show that these three words were used chiefly to indicate the goods of the opposer.

Passing over the question of the objection as to the sufficiency of the proof of these advertisements, an inspection shows that in every instance, except one, they are used in connection with the word "Foot-Fitters," which, as stated above, was the trade-mark of the opposer, and in that instance there appears with the advertisement a triangle containing the word "Edmonds" and the word "Foot-Fitter." In the advertisement in evidence as Exhibit D, the names "Tom," "Dick," and "Harry" are used separately, and it is stated what grade of shoe each of them indicated. With each of the cuts of shoes in this advertisement appears the "Foot-Fitter" trade-mark above referred to.

In view of this evidence I am unable to distinguish the case from that of *The Touraine Company* v. *F. B. Washburn & Co.*, 309 O. G. 676; 52 App. D. C. 356. In that case it appeared that the opposer had always used on his goods the trade-mark "Waleco" on a seal and that on one type of its candy it used the words "Touraine Chocolate Mixture." The court specifically held that this word "Touraine" was used by the opposer not as a trade-mark, but merely as a grade or style mark, and that having proved no other use it had not established damage. In that case the court said:

> * * * The mere use of a word as a trade-mark does not prove likelihood of damage to one who uses the mark in another capacity, for instance, as a grade indicator. Since opposer has no other proof of probable damage its opposition should have been dismissed. * * * * * * * *

The trade-mark statute, section 6, 35 Stat. 726, is our chart. There is nothing in it which says that a person must own a trade-mark, registered or not, before he can oppose the registration of the mark to another person.

It is true that there are certain facts in that case which do not appear in the present case—namely, that the applicant there had used the mark for a long period of time with the knowledge of the opposer and that the opposer had bought applicant's goods under the "Touraine" mark; but while stating these facts the court did not rest its decision on the ground of estoppel or laches, but specifically on the ground that where an opposer had used a word only to represent grade or style it could not prevent the registration of that word by another as a trade-mark.

It is thought that even if any of the names "Tom," "Dick," or "Harry" had been used separately as a trade-mark the use of applicant's mark "Tom, Dick and Harry," with the representation of a gabled roof and lantern, would not have caused confusion with opposer's goods.

[6] As above stated, there is no evidence of the conjoint use of these names as a trade-mark, nor is there any evidence of any use of all of these words as trade-marks per se, but merely as grade marks. Even when these words were used together in the advertisement they were used in such a way as to indicate the grades of the shoes, the advertisements all prominently displaying the "Foot-Fitter" trade-mark.

It may be noted, further, that in the decision in the Touraine case, above cited, the court pointed out that the evidence clearly showed that this word was used only in connection with the "Waleco" trade-mark, which was used on all of opposer's goods.

It must be held, therefore, that under the ruling in that case the opposer has not shown any facts which would justify refusing applicant the registration which it seeks.

The decision of the Examiner of Interferences is reversed, and it is held that Beck Hazzard, Inc., is entitled to the registration for which it has made application.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

918,016, Dalton & Clements, jr., Ditch-filling mechanism, suit filed Jan. 23, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5547, *American Road Machinery Co., Inc.*, v. *Austin Mfg. Co. et al.*

955,870, R. W. Hamann, Boiler-tube cleaner; 1,343,654, Beebee & Bowers, Boiler cleaner; 1,465,387, F. Bowers, same; 1,523,288, G. I. Rawson, same; 1,377,622, Kemnal & Henry, Soot-blowing device; 1,416,553, C. M. Garland, Apparatus for blowing soot from the tubes of boilers, economizers, etc., suit filed Mar. 23, 1926, D. C. Del., Doc. E 592, *Diamond Power Specialty Corp.* v. *The Vulcan Soot Cleaner Co.*

977,562, W. E. Sloan, Valve, suit filed Jan. 28, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5564, *Sloan Valve Co.* v. *Randolph Hotel Co.*

996,963, R. B. Benjamin, Electric-lamp cluster, suit filed Jan. 30, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5569, *Benjamin Electric Mfg. Co.* v. *Peerless Light Co.*

1,069,496, 1,226,275, E. B. Symons, Crushing machine; 1,175,904, same, Disk for crushing machine, suit filed Dec. 12, 1925, D. C. N. J., Doc. E 1607. *Symons Bros. Co.* v. *Taylor-Wharton Iron & Steel Co.* Consent decree Mar. 1, 1926.

1,123,502, J. A. Dubbs, Treating oil; 1,392,629, C. P. Dubbs, Converting hydrocarbons; 1,440,772, 1,546,634, same, Apparatus for treating petroleum and other hydrocarbons; 1,484,445, same, Method of treating hydrocarbons; 1,488,325, same, Method and apparatus for treating petroleum; 1,522,425, same, Process of treating oils; 1,525,281, 1,550,607, same, Method for treating petroleum; 1,568,400, same, Apparatus for cracking hydrocarbon oils; 1,550,568, R. T. Pollock, Process and apparatus for treating hydrocarbon oils; 1,517,830, Egloff & Benner, Carbonaceous fuel, suit filed Jan. 26, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5560, *Universal Oil Products Co.* v. *Texas Co.*

1,175,904. (See 1,069,496.)

1,184,254, R. McBean, Die for the manufacture of tiles; 1,289,492, same, Roofing tile, patents held invalid, suit dismissed (notice dated Mar. 26, 1926), D. C., N. D. Calif. (San Francisco), Doc. E 1390, *Gladding McBean Corp.* v. *N. Clark & Sons.*

1,190,787, F. E. Miller, Voice and sound recording machine; 1,220,669, same, Cusp-diaphragm mechanism; 1,294,137, same, Cuspoidal diaphragm construction, suit filed Mar. 25, 1926, D. C. N. J., Doc. E 1861, *F. E. Miller Radio Corp.* v. *Kenneth Harkness Radio Corp.*

1,220,669. (See 1,190,787.)

1,224,253, Wiley, Wiley & Hough, jr., Illuminated sign, suit filed Jan. 29, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5567, *Flexlume Corp.* v. *Federal Electric Co., Inc.*

1,226,275. (See 1,069,496.)

1,271,527, M. C. Hopkins, Sound-regenerating machine; 1,271,529, same, Acoustic device, suit filed Feb. 27, 1926, D. C. Del., Doc. E 591, *Lektophone Corp.* v. *Belcanto Radio & Telephone Equipment Co., Inc.* Consent decree Mar. 29, 1926, holding patents valid and infringed and granting injunction.

1,271,529. (See 1,271,527.)

1,289,492. (See 1,184,254.)

1,294,137. (See 1,190,787.)

1,314,263. (See Re. 14,072.)

1,343,654. (See 955,870.)

1,377,622. (See 955,870.)

1,382,2221, J. F. O'Connor, Tandem draft gears for railway cars, consent decree sustaining patent and granting injunction Mar. 31, 1926, D. C., S. D. N. Y., Doc. E 31/85, *W. H. Miner, Inc.*, v. *Walker Draft Gear Co.*

1,383,515, L. Baumgartl, Automobile bumper, suit filed Jan. 16, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5491, *The Ramspring Bumper Co.* v. *Federal Pressed Steel Co.*

1,392,629. (See 1,123,502.)

1,396,687, 1,396,688, E. A. Laughlin, Vehicle body bearing, consent decree Mar. 20, 1926, D. C., N. D. Ohio (E. Div.), Doc. 724, *E. A. Laughlin et al.* v. *The Pittsburgh & Lake Erie R. R. Co. et al.*

1,396,688. (See 1,396,687.)

1,398,490, A. Kendrick, Laundry drier, filed consent and order of discontinuance Apr. 1, 1926, D. C., S. D. N. Y., Doc. E. 31/78, *International Equipment Co.* v. *Troy Laundry Machinery Co., Ltd.*

1,410,668, G. E. Fox, Desk accessory, suit filed Jan. 29, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5565, *G. E. Fox* v. *The Fair.*

1,416,553. (See 955,870.)

1,440,772. (See 1,123,502.)

1,457,990, E. C. Morgan, Display stand, consent decree pro confesso sustaining patent and granting injunction Mar. 31, 1926, D. C., S. D. N. Y., Doc. E 27/368, *E. C. Morgan* v. *F. E. Beardsly (Beardsly Mfg. Co.).*

1,465,387. (See 955,870.)

1,482,132, E. M. Guillaume, Window channel, claim 3 held not infringed, cause dismissed for want of equity (notice dated Mar. 31, 1926), D. C., S. D. Ohio (W. Div.), Doc. E 382, *The Felters Co., Inc.*, v. *J. B. Randall Co.*

1,484,445. (See 1,123,502.)

1,488,325. (See 1,123,502.)

1,490,570. A. Kretschan, Hair curler, suit filed Jan. 14, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5471, *A. Kretschan* v. *F. G. Kenworthy et al.*

1,493,637, I. J. Kusel, Savings bank, suit filed Jan. 21, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5529, *Stronghart Co.* v. *The Chicago Thrift Co.*

1,499,335, C. A. Berkins, Hydrocarbon burner, suit filed Mar. 2, 1926, D. C., E. D. Ill. (East St. Louis), Doc. 31–D, *C. A. Berkins* v. *J. T. Veale.*

1,502,050, R. H. Moore, Ventilating means for the receivers of belt conveyers, suit filed Jan. 15, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5490, *R. H. Moore* v. *Armour Grain Co. et al.*

1,509,382, J. H. Wagenhorst, Automobile wheel rim, equities with defendant, bill dismissed Mar. 16, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1429, *J. H. Wagenhorst* v. *The Hydraulic Steel Co. et al.*

1,517,830. (See 1,123,502.)

1,522,425. (See 1,123,502.)

1,523,288. (See 955,870.)

1,525,281. (See 1,123,502.)

1,546,634. (See 1,123,502.)

1,550,568. (See 1,123,502.)

1,550,607. (See 1,123,502.)

1,552,284, D. D. Evins, Process of spinal analysis, decree enjoining defendants from infringing Mar.

13, 1926, D. C., S. D. Iowa (Davenport), Doc. E 4082, *The Palmer School of Chiropractic et al.* v. *C. H. Jones et al.*

1,559,193, Stavrum, Olson & Berry, Folding loop antenna, suit filed Jan. 9, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5468, *M. W. Stavrum et al.* v. *Mathiesen-Sandberg Co. et al.*

1,568,400. (See 1,123,502.)

1,569,942, J. M. Barnhill, Reversible hat, suit filed Mar. 30, 1926, D. C., N. D. Okla., Doc. E 142, *F. A. Brinkman (Betty B Hat Co.)* v. *Corn & Schullenbarger (Sport Hat Co.)*.

Re. 14,021. (See Re. 14,072.)

Re. 14,072. H. C. Harrison, Radiator-cell structure; 1,314,263, same, Radiator construction; Re. 14,021, E. C. Streichert, Radiator section, suit filed Feb. 22, 1926, D. C. N. J., Doc. E 1681, *Harrison Radiator Corp.* v. *Trenton Auto Radiator Works et al.*

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, suits filed Mar. 30, 1926, D. C., N. D. Ohio (W. Div.), Doc. E 634, *The Coca Cola Co.* v. *A. Inhelder;* and Doc. E 635, *The Coca Cola Co.* v. *C. L. Weisenberger.*

T. M. 47,189. (See T. M. 22,406.)

T. M. 159,609, Broderick & Bascom Rope Co., Vehicle towline, decree pro confesso holding patent valid as to defendant only (notices dated Apr. 1, 1926), D. C., N. D. Ohio (W. Div.), Doc. E 541, *Broderick* v. *Bascom Rope Co.* v. *Metal Fibre Rope Co. et al.;* and Doc. E 565, *Broderick & Bascom Rope Co.* v. *The Cline Florsheim Corp.*

Des. 66,055, H. Abrams, Ceiling plate for lighting fixtures, suit filed Jan. 16, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5493, *Crescent Brass Mfg. Co.* v. *Kaplan, Inc.*

Des. 66,057, H. Abrams, Column for lighting fixtures, suit filed Jan. 16, 1926, D. C., N D. Ill. (E. Div.), Doc. 5492, *Crescent Brass Mfg. Co.* v. *Crown Electrical Mfg. Co.*

Interference Notices.

U. S. PATENT OFFICE, *Washington, May 3, 1926.*

Yasutaro Katsumoto, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Svend E. Johannesen, c/o General Electric Co., Pittsfield, Mass., and patent granted June 16, 1925, No. 1,542,144, to Yasutaro Katsumoto, No. 36, Torishima-cho, Mishi-ku, Osaka, Japan, and a notice of such declaration sent by registered mail to said Katsumoto at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Katsumoto, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

M. J. MOORE, *Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1926.*

Charles Smith, his assigns or legal representatives, take notice:

An interference having been declared by this office between the application for patent of Charles S. Barrell, 425 Beacon Street, Boston, Mass., and patent granted August 19, 1924, No. 1,505,440, to Charles Smith, 4 Garfield Avenue, Duluth, Minn., and a notice of such declaration sent by registered mail to said Smith at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Smith, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Disclaimers.

1,506,275.—*George H. Stevenson*, Rye, N. Y. PROTECTIVE MEANS FOR ELECTRIC CIRCUITS. Patent dated August 26, 1924. Disclaimer filed May 5, 1926, by the patentee, assignee, *Western Electric Company, Incorporated*, consenting.

Hereby enters this disclaimer to the said claims of said Letters Patent which are in the following words, to wit:

"28. In combination, a vacuum tube having an anode and a cathode, means for supplying energizing current to said cathode, means for supplying space current between said anode and cathode and means responsive to an excessive space current for rendering one of said means inoperative.

"29. In combination, an electric discharge device having an anode and a cathode, a source of current for heating said cathode, a source of current for supplying space current between said anode and cathode and means responsive to excessive current in said device for disconnecting one of said sources."

1,517,331.—*Samuel B. Williams, jr.*, Brooklyn, N. Y. TELEPHONE-EXCHANGE SYSTEMS. Patent dated December 2, 1924. Disclaimer filed May 5, 1926, by the patentee, assignee, *Western Electric Company, Incorporated*, consenting.

Hereby enters this disclaimer to the said claims of said Letters Patent which are in the following words, to wit:

"28. In a telephone exchange system, a selective switch, an incoming line, outgoing lines, said switch, having a plurality of intermediate links for connecting the incoming line to the outgoing lines, and a separate link common to said intermediate links for testing the condition of the outgoing lines.

"31. In a telephone exchange system, a selective switch, an incoming line, outgoing lines, said switch having a plurality of intermediate links for connecting the incoming line to the outgoing lines, means for selecting an idle intermediate link without establishing the connection, a separate link common to the intermediate links for testing the condition of the outgoing lines, and means for thereupon establishing the connection if the tested line is idle.

"32. In a telephone exchange system, a selective switch, a plurality of incoming lines, outgoing lines, said switch having a number of intermediate link circuits for connecting the incoming lines to the outgoing lines, and a separate link common to said intermediate links for testing the condition of the outgoing lines.

"33. In a telephone system, a selective switch, a plurality of incoming lines, outgoing lines arranged in groups, said switch having a plurality of intermediate links for connecting any incoming line to any outgoing line, and a separate link common to said intermediate links for testing the busy and idle conditions of the outgoing lines.

"34. In a telephone exchange system, a selective switch, an incoming line, outgoing lines, said switch having a plurality of intermediate links for connecting the incoming lines to the outgoing lines, a selection controling mechanism for operating said switch, and a separate link common to said intermediate links for testing the condition of the outgoing lines."

1,525,923.—*Albert A. Densmore*, Brookline, Mass. ENGINE STARTER. Patent dated February 10, 1925. Disclaimer filed May 3, 1926, by the patentee.

The words "means • • • • for positively retracting" as used in the claim means a construction in which the retraction of the pinion from the engine gear is independent of the function of springs or equivalent devices; and that the term "positively" as used in line 5 of claim 10 has the meaning given in the definition of the word *positive* in Funk & Wagnall's Standard Dictionary, to wit, "operated by mechanical power, not by springs or gravity"; and any broader meaning or interpretation of such words or terms is hereby disclaimed.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 18, 1926.

[VOL. 346. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 173,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Dec. 18, 1922.

JAMEROSE

Particular description of goods.—Perfumes.
Claims use since October, 1921.

Ser. No. 173,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Dec. 18, 1922.

L'Infidèle

Particular description of goods.—Perfumes.
Claims use since about October, 1921.

Ser. No. 175,643. (CLASS 37. PAPER AND STATIONERY.) CAMILLE H. BOULIN, doing business as Canson & Montgolfier, New York, N. Y., Filed Feb. 7, 1923.

Moyen-Age

"Moyen Age" in gothic type.
Particular description of goods.—Handmade Paper.
Claims use since Dec. 1, 1921.

Ser. No. 176,684. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) M. E. MAYER, Vienna, Austria. Filed Feb. 27, 1923.

MEM

Particular description of goods.—Razors and Razor Blades.
Claims use since 1912.

Ser. No. 178,059. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NORWICH ICE CREAM COMPANY, INC., Norwich, N. Y. Filed Mar. 26, 1923.

VELVET

Particular description of goods.—Crushed Fruits in Containers for Food-Flavoring Purposes.
Claims use since Feb. 1, 1923.

Ser. No. 186,607. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTIS CLAPP & SON, INC., Boston, Mass. Filed Oct. 5, 1923.

CALENDULA SALVOL

Applicant disclaims exclusive right to the use of the word "Calendula" apart from the mark shown in the drawing.

Particular description of goods.—Salve or Ointment Like Preparation for Incised Lacerated Suppurating Wounds and Chapped Hands and Lips.
Claims use since November, 1922.

Ser. No. 188,061. (CLASS 15. OILS AND GREASES.) THE PENNZOIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 6, 1923.

PENNZIP

Particular description of goods.—Lubricants.
Claims use since Sept. 1, 1923.

Ser. No. 192,659. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN WIRELESS CORPORATION, doing business as the National Radio Stores, New York, N. Y. Filed Feb. 23, 1924.

NATIONAL RADIO STORES

Particular description of goods.—Loud Speakers, Head Phones, Transformers, Condensers, Grid Leaks, Inductances, Honeycomb Coils, Radiopotentiometers, Jacks, Sockets, Insulators, Lightning Posts, Fixed and Variable Inductances, Tubes for Audiofrequency or for Radiofrequency, Power and Detector Tubes, Spaghetti, Bus Wire, Variometers, and Loop Antennæ, All for Use in Radio Work Only.
Claims use since Oct. 1, 1923.

Ser. No. 192,723. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NARWOOD BROS., Brooklyn, N. Y. Filed Feb. 23, 1924.

Particular description of goods.—Bleached and Unbleached Unmedicated Gauze or Cheesecloth in the Piece.
Claims use since about 1894.

Ser. No. 194,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN TUNA PACKERS, LTD., Honolulu, Hawaii. Filed Apr. 1, 1924.

CORAL REEF

No claim is made to the word "Brand," to the words "Hawaiian Tuna," and to the words "Caught in the Pacific Ocean."
Particular description of goods.—Canned Tunny Fish Packed in Winter-Pressed Cotton Salad Oil.
Claims use since Nov. 2, 1923.

Ser. No. 195,207. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEHRINGWERKE AKTIENGESELLSCHAFT, Marburg-on-the-Lahn, Germany. Filed Apr. 9, 1924.

Lipatren

Particular description of goods.—Medicinal Compound of Lipoid and Jodoxychinolin Sulphonic Salts.
Claims use since Sept. 24, 1923.

Ser. No. 202,475. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN IMPORTING COMPANY, New York, N. Y. Filed Sept. 11, 1924.

The lining of drawing indicates the colors gold, black, and white. Color is disclaimed, however, as an essential to the mark. No claim is made to the words "Made in Czecho-Slowakia."
Particular description of goods.—Ticking.
Claims use since July, 1922.

Ser. No. 202,785. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM T. BARNES, Vancouver, British Columbia, Canada. Filed Sept. 18, 1924.

SONAX

Particular description of goods.—Polishing and Cleaning Compound for Woodwork, Floors, Furniture, Leather, and Painted or Enameled Surfaces Such as Automobile Bodies.
Claims use since July 1, 1924.

Ser. No. 203,232. (CLASS 33. GLASSWARE.) FOSTORIA GLASS COMPANY, Moundsville, W. Va. Filed Sept. 30, 1924.

Fostoria

No claim is made to the word "Fostoria" except in the association shown. No claim is made to the representation of the goblet apart from the mark shown.
Particular description of goods.—Table Glassware.
Claims use since Aug. 15, 1924.

Ser. No. 203,891. (CLASS 39. CLOTHING.) NU-WAY SHOE CO., New York, N. Y. Filed Oct. 15, 1924.

Brooklyn Maid

Applicant disclaims exclusive right to the use of the geographical name "Brooklyn" except in particular association in which it appears with the rest of the mark shown.
Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, and Combinations of the Same and Also of Various Compositions in Part and as a Whole.
Claims use since August, 1919.

Ser. No. 206,960. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Badges of Non-Precious Metals; Uniform Make-Up Sets Consisting of Patterns, Material, Thread, and Buttons; Line Plates, Electrotypes, Half Tones, Flag Cases, Flagstaffs, National Flags, Emblem Flags, Code Flags, Troop Flags, and Pennants.
Claims use since November, 1924.

Ser. No. 206,961. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Motion-Picture Films, Compasses, Dress Patterns.
Claims use since November, 1924.

Ser. No. 206,962. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Pins—Namely, Stick Pins, Lapel Pins, Class Pins, and Insignia Pins; Finger Rings, Cuff Links, and Toilet-Kit Mirrors, All Made of or Plated With Precious Metal and of Non-Precious Material, and Badges and Thimbles Made of or Plated With Precious Metal.
Claims use since November, 1924.

Ser. No. 206,966. (CLASS 38. PRINTS AND PUBLICATIONS.) GIRL SCOUTS, New York, N. Y. Filed Dec. 19, 1924.

GIRL G S SCOUTS

Particular description of goods.—Song Books, Music Books, Sheet Music, Signal Charts, Pamphlets, Periodicals, Printed Books, Posters, Picture Post Cards, Decalcomania Transfers, Printed Labels.
Claims use on decalcomania transfers since November, 1923, and on the other mentioned goods since November, 1924.

Ser. No. 207,416. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE TOLEDO TIRE CORPORATION, Toledo, Ohio. Filed Dec. 29, 1924.

BOND CORD

The word "Cord" is disclaimed apart from the other features of the mark as shown in the drawing.
Particular description of goods.—Automobile Tire Casings.
Claims use since Aug. 1, 1924.

Ser. No. 207,926. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CHAS. FISCHER SPRING CO., Brooklyn, N. Y. Filed Jan. 10, 1925.

CARDINAL

The lining of the word "Cardinal" is to express shading, and no claim is made to the lining of the triangle, which indicates red color.

Particular description of goods.—Metal Household Utensils—Namely, Toggery Racks, Hat and Tie Racks, Shoe Racks, Camphor-Ballholders, Electric-Cord Slack-tite Springs; Automobile Accessories—Namely, Skid-Chain Adjusters, Antirattler Springs, Crank-Holder Springs, Repair-Man's Assorted Springs, Springs for Ford Valves, and Steering-Equalizer Springs.

Claims use since Nov. 5, 1924.

Ser. No. 210,129. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE H. H. MILLER INDUSTRIES COMPANY, Canton, Ohio. Filed Feb. 25, 1925.

M AND M

Particular description of goods.—Dairy Machinery Consisting of Bottle Washers, Bottle Filling and Capping Machines, Milk Holders, Milk Pasteurizers, Milk and Cream Vats or Tanks, and Sterilizers.

Claims use since Sept. 11, 1924.

Ser. No. 210,431. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 3, 1925. Under ten-year proviso.

ABRAHAM & STRAUS

Particular description of goods.—Shoe Lasts, Animal Traps, Rat Traps, Rubber Cloth, Rubber Mats, Plaster Bas-Reliefs, Statuary, Statuettes, Metallic Binding for Oilcloths, Sticky Fly-Paper, Rubber Floor and Bath Mats, Ornamental Bronzes, Artificial Leather, Waterproof Cloths, Cloth or Canvas Backed Imitation Leather, Fly and Insect Catchers, Stepladders, Canvas Canopies, Bottle Stoppers, Artificial Straws, Mousetraps, Blackboards; Holders for Spreading and Hanging Coats, Vests, Trousers, Skirts, Waists, and Other Apparel; Imitation Leather, Waterproof Fabric, Tents, Awnings, Roll Felts, Tablets With Figures in Relief, Shoe-Trees, Elastic Felt for Mattresses, Cloth Felts, Shoe Felts, and Hat Felts; Fabrics of Asbestos, Waterproof Fabrics Impregnated With Oils or Waxes, Hollow Shoe Forms, Flags, Wooden Ladders of All Kinds, Pyrographic Pencil, Curtain-Stretchers, Mechanical-Impact Fly Killers, Felt Pennants, Packing-Lined Metallic Caps for Bottles and the Like, Implements for Disabling or Killing Insects, Waterproofed and Spot-Proofed Silks, Metallic Bottle Seals, Display Figures, Poultry Drinking Pans Constructed of Metal, Devices for Catching Flies, Badges and Buttons for Personal Wear, Waterproofed Merchandise Covers, Dress Forms, Fireproof Textiles, Clothes-Marking Clips, Garment Folders or Flat Forms Placed Inside a Coat or Garment to Keep Same From Creasing; Porcelain, Glass, and Vitreous-Ware Stoppers for Bottles; Photo-Engravings in the Nature of Engraved Plates, Pennants, Granulated-Composition-Cork Disks and Tin Bottle Caps Made Up With Granulated-Cork Disks, Wood-Top Corks, Caps and Corks, India-Rubber Stair Nosings, India-Rubber Binding for Mats or Carpets, Bottle and Prescription Corks, Metallic Bottle Stopper, Bungs, Apparatus for Cooking by Retained Heat, Sheet-Rubber Blankets, Waterproofed Cotton Piece Goods, Straw Pipes or Tubes Through Which Liquids May Be Drawn; Ornamental Tablets and Trimmings of Bronze and Other Metals, Stoppers Constructed of Tin and Cork, Fireless Cook-Stoves, Flagpoles, Pyrographic Outfits, Felts in the Piece, Skirt and Trousers Hangers Made of Metal, Textile Cotton Fabric Waterproofed With Oil, Pyrographical or Burning Instruments or Tools and Appliances Therefor; Poultry Fountains, Cups, and Feeders; Waterproofed Woolen, Worsted, Cotton, and Linen; Tents, Paper and Porcelain Bottle Closures, Portable Garment Hangers for Household and Travelers' Use, Ladder Brackets, Ladder Bumpers, Packing Forms for Garments and Garment-Display Forms, Vulcanized Fiber, Translucent Material for Decorating Window Glass, Carriage Cloth, Auto Touring Tents, Cork Inner Soling for Shoes, Hat Blocks; Asbestos Table Pads, Trousers Stretchers, Pile Fabrics and Corduroys Treated to be Waterproof, Millinery Felts in the Piece, Fly Swatters.

Claims use since about Apr. 1, 1893.

Ser. No. 210,559. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Mar. 5, 1925.

VACUUM

Particular description of goods.—Wrapping Paper.

Claims use since Feb. 9, 1925.

Ser. No. 211,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIZABETH SHRIVER, doing business as Noxage Cereal Company, Spokane, Wash. Filed Mar. 16, 1925.

Particular description of goods.—Breakfast Wheat Cereal.

Claims use since Jan. 1, 1925.

Ser. No. 211,284. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINOT, HOOPER & CO., New York, N. Y. Filed Mar. 19, 1925. Under ten-year proviso.

ELLERTON

Particular description of goods.—Cotton Piece Goods.

Claims use since 1864.

Ser. No. 211,307. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 19, 1925.

HEX

NITE

"Hexnite."

Particular description of goods.—Enamel Coatings or Paints for Woodwork, Structural Steel, Screens, Machinery, Ironwork, and Tanks, and Protective Paint for Dampproofing and Roof Coating.

Claims use since Oct. 22, 1920.

Ser. No. 211,458. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD G. BUDD MANUFACTURING CO., Philadelphia, Pa. Filed Mar. 23, 1925.

FULL VISION ALL STEEL BUDD BODY

Applicant disclaims the words "All Steel, Full Vision, Budd Body" except in the precise relation and association in which they are shown in the mark as a whole.

Particular description of goods.—Automobile Bodies and Automobile Parts—Namely, Tonneau Stampings, Seat Stampings, Cowl Stampings, Body Side Stampings, Body Units, Body Unit Assemblies, Wheel Fenders, Body Splashers, Automobile Body Doors, and Automobile Body Roofs.

Claims use since Jan. 25, 1924.

Ser. No. 211,621. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Mar. 25, 1925.

WESLUBE
RED LABEL
A PURE WESTERN NAPTHENIC BASE MOTOR OIL

No claim is made to the words "Red Label a Pure Western Napthenic Base Motor Oil" apart from the mark shown.

Particular description of goods.—Lubricating Oils.

Claims use since Dec. 13, 1924.

Ser. No. 211,622. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Mar. 25, 1925.

WESLUBE
RED LABEL
A PURE WESTERN MOTOR OIL

No claim is made for the words "A Pure Western Motor Oil" apart from the mark shown.

Particular description of goods.—Lubricating Oils.

Claims use since Dec. 13, 1924.

Ser. No. 211,784. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EUREKA MFG. CO., New York, N. Y. Filed Mar. 28, 1925.

BEVERLY
SHEETS
AND
PILLOW CASES
TORN & HEMMED SIZE
LANGREEN FABRICS
FOR
EXCLUSIVE FAMILY
USE

No claim is made to the exclusive use of the words "Sheets and Pillow Cases, Torn and Hemmed Size, Fabrics for Exclusive Family Use" apart from the mark shown on the drawing.

Particular description of goods.—Sheets and Pillowcases.

Claims use since Mar. 1, 1918.

Ser. No. 211,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSE NERENSTONE BOOKMAN, doing business as The Peroxogen Company of America, New York, N. Y. Filed Mar. 30, 1925.

PEROXOGEN
ANTISEPTIC

TRADE MARK

No claim is made to the words "Antiseptic" and "Trade-Mark" apart from the mark shown.

Particular description of goods.—Hydrogen Peroxide, Bleaching Compounds, and Bleaching Powders.

Claims use since Oct. 2, 1924.

Ser. No. 211,853. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Mar. 30, 1925.

Particular description of goods.—Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lip Stick.

Claims use since about March, 1922.

Ser. No. 211,971. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. BORNSTEIN & SONS, Paterson, N. J. Filed Apr. 1, 1925.

Glus
Radium

The word "Radium" is disclaimed apart from the mark shown.

Particular description of goods.—Silk Shirtings in the Piece.

Claims use since Mar. 12, 1923.

Ser. No. 211,992. (CLASS 15. OILS AND GREASES.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 1, 1925.

ETHYL

Particular description of goods.—Motor Fuel Oils.

Claims use since Feb. 20, 1925.

Ser. No. 211,993. (CLASS 15. OILS AND GREASES.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 1, 1925.

No claim is made to the following words appearing on the drawing: "Gasoline Brand of Anti-Knock Compound, New York, U. S. A."

Particular description of goods.—Motor Fuel Oils.

Claims use since Feb. 20, 1925.

Ser. No. 212,160. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TACOMA SCREEN DOOR & MFG. CORP., Tacoma, Wash. Filed Apr. 3, 1925.

BLOCK-CRAFT

Particular description of goods.—Toy Building Blocks and Toy Furniture.

Claims use since Dec. 30, 1924.

Ser. No. 212,203. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Apr. 4, 1925.

KLENZLUBE

The mark consists of the word "Klenzlube" in orange letters together with horizontal blue lines which extend outward from an enlarged "Z."

Particular description of goods.—Flushing Oil for Motors.

Claims use since Dec. 27, 1924.

Ser. No. 212,216. (CLASS 12. CONSTRUCTION MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 5, 1925.

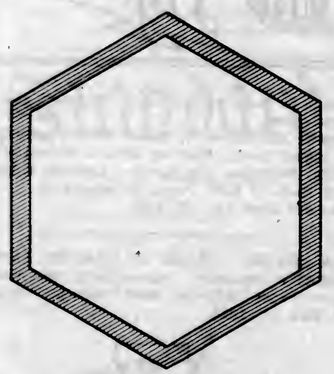
HEX

"Hex."

Particular description of goods.—Long-Fiber Asbestos Roof Cement; Road Tars, Including Surfacing Material, Patching Compound, and Heavy Binder, and Tarred Felt.

Claims use since on or about Oct. 22, 1920, as to long-fiber asbestos roof cement; on road tars, including surfacing material, patching compound, and heavy binder, since on or about May 27, 1920; on tarred felt, since on or about June 25, 1921.

Ser. No. 212,217. (CLASS 12. CONSTRUCTION MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 4, 1925.



Hexagonal symbol, which in the example shown in the drawing is lined to represent the color red.

Particular description of goods.—Long-Fiber Asbestos Roof Cement; Road Tars, Including Surfacing Material, Patching Compound, and Heavy Binder, and Tarred Felt.

Claims use since on or about Oct. 22, 1920, as to long-fiber asbestos roof cement; on road tars, including surfacing material, patching compound, and heavy binder, since on or about May 27, 1920; on tarred felt since on or about June 25, 1921.

Ser. No. 212,218. (CLASS 12. CONSTRUCTION MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 4, 1925.

"TPC."

Particular description of goods.—Long-Fiber Asbestos Roof Cement, Road Tars, Including Surfacing Material, Patching Compound, and Heavy Binder, and Tarred Felt.

Claims use since on or about Oct. 22, 1920, as to long-fiber asbestos roof cement; on road tars, including surfacing material, patching compound, and heavy binder, since on or about May 27, 1920; on tarred felt since on or about June 25, 1921.

Ser. No. 212,333. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERFRATERNITY CONFERENCE, New York, N. Y. Filed Apr. 7, 1925.

Particular description of goods.—Leaflets, Pamphlets, Books, or Booklets Published from Time to Time.

Claims use since Mar. 5, 1925.

Ser. No. 212,472. (CLASS 12. CONSTRUCTION MATERIALS.) ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa. Filed Apr. 10, 1925.

AMF

Particular description of goods.—Mastic Finish for Heat-Insulating Material.

Claims use since July 28, 1923.

Ser. No. 212,527. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BAKELITE CORPORATION, New York, N. Y. Filed Apr. 11, 1925.

Particular description of goods.—Loving-Cup Bases and Rosaries Made of Condensation Products of Phenols and Formaldehyde.
Claims use since Dec. 1, 1924.

Ser. No. 212,913. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Apr. 18, 1925.

HELICOIL

Particular description of goods.—Electric Oil-Bath Heaters, Electric Water Heaters, Electric Melting-Pot Heaters, Electric Air or Space Heaters, Electric Clamp-On Heaters, Electric Immersion Heaters, Electric Soldering Irons, Sheathed Electric Heating Units.
Claims use since February, 1924.

Ser. No. 213,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEST & CO., INC., New York, N. Y. Filed Apr. 21, 1925. Under section 5ᵇ of the Act of 1905 as amended in 1920.

Best & Co.

Particular description of goods.—Toilet Water, Perfume, Perfume Extracts, Toilet Lotions, Hair Tonic, Hairdressing, Hair Restorer, Hair Dye, Loose or Compact Face Powder, Beauty Clay, Toilet Powder, Cosmetics; Face, Lip, and Nail Rouge; Sachets, Dentifrices, Mouth Washes, Nail Bleach, Polish, Enamel Cream, Preparation for Removing Cuticle, Depilatories, Hand and Face Creams and Lotions; Bath, Smelling, and Reducing Salts; Pomades and Nail Buffers, Eyedrops, Eyebrow Pencils, and Eyebrow and Eyelash Grower.
Claims use since Apr. 2, 1925.

Ser. No. 213,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. WANDER, LTD., London, England. Filed Apr. 23, 1925.

JECOMALT

Particular description of goods.—Combination of Cod-Liver Oil and Malt Extract in Powder Form.
Claims use since June 1, 1924.

Ser. No. 213,217. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANTI-STALL, INC., Mount Vernon and New York, N. Y. Filed Apr. 24, 1925.

Particular description of goods.—Controls for Automobile Starters.
Claims use since June 5, 1922.

Ser. No. 213,580. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KELLOGG SWITCHBOARD & SUPPLY CO., Chicago, Ill. Filed Apr. 30, 1925.

No claim is made to the name "Kellogg" apart from the mark shown.
Particular description of goods.—Electrically-Operated Vehicle Signal Horns, Starting Motors, Generators, Ignition Coils, Switches, Distributors, Ignition Relays, and Parts of Each of Said Pieces of Apparatus.
Claims use since Apr. 11, 1925.

Ser. No. 214,198. (CLASS 37. PAPER AND STATIONERY.) ZURCHER PAPIERFABRIK AN DER SIHL (Zurich Paper Mill on Sihl), Zurich, Switzerland. Filed May 11, 1925.

Particular description of goods.—Thin and Thick Drawing Papers and Tissue Paper—That is, Thin Typewriting Paper.
Claims use since about December, 1913.

Ser. No. 214,431. (CLASS 39. CLOTHING.) MELVILLE SHOE CORPORATION, New York, N. Y. Filed May 16, 1925.

TUFENUF

Particular description of goods.—Composition Soles for Shoes and for Leather Shoes and Combination of Cloth and Leather Shoes.
Claims use since Dec. 15, 1924.

Ser. No. 215,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed June 6, 1925.

THREE C'S

Particular description of goods.—Chewing Gum.
Claims use since August, 1919.

Ser. No. 215,903. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed June 17, 1925. Under ten-year proviso.

GLORIA

Particular description of goods.—Lacquer.
Claims use since about July, 1892.

Ser. No. 215,906. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed June 17, 1925. Under ten-year proviso.

PYRAMIDE

Particular description of goods.—Lacquer.
Claims use since about July, 1892.

Ser. No. 216,122. (CLASS 37. PAPER AND STATIONERY.) THE STANDARD DIARY COMPANY, Cambridge, Mass. Filed June 20, 1925. Under ten-year proviso.

Standard

Particular description of goods.—Diaries.
Claims use since 1873.

Ser. No. 216,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD CLIFFORD FLEMING, doing business as The Purity Cross Laboratories, Minneapolis, Minn. Filed June 22, 1925.

PURITY + CROSS

Particular description of goods.—Kidney Pills.
Claims use since Mar. 2, 1925.

Ser. No. 216,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMPAGNIE NATIONALE DE MATIÈRES COLORANTES ET MANUFACTURES DE PRODUITS CHIMIQUES DU NORD RÉUNIES, ETABLISSEMENTS KUHLMANN, Paris, France. Filed June 26, 1925.

ANTOXYL

Particular description of goods.—Crystallized Mixture of Sodium Sulphide and Sodium Hyposulphite Used for Preventing Soap from Becoming Rancid and Being Spoiled.
Claims use since Mar. 1, 1925.

Ser. No. 216,741. (CLASS 39. CLOTHING.) MULLER & SPEELING, New York, N. Y. Filed July 1, 1925.

KROFOOT

Particular description of goods.—Hosiery.
Claims use since March, 1924.

Ser. No. 217,046. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PERRY LAUNDRY MACHINERY CO., Fairhaven, Mass. Filed July 8, 1925.

AJAX

Particular description of goods.—Clothes-Washing Machines.
Claims use since June 15, 1924.

Ser. No. 217,899. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RENAUD ET CIE OF AMERICA, Boston, Mass. Filed July 25, 1925.

L'Ile de France

Particular description of goods.—Perfume.
Claims use since 1919.

Ser. No. 218,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOPESTON CANNING CO., Hoopeston, Ill. Filed July 31, 1925.

Jersey Creams

No claim is made to the word "Jersey" apart from the mark as shown in the drawing.

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.

Claims use since Oct. 27, 1892.

Ser. No. 218,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK F. INGRAM COMPANY, Detroit, Mich. Filed Aug. 3, 1925. Under section 5[b] of the act of 1905 as amended in 1920.

Disclaimer is made to the representation of the container of the goods apart from the combination shown.

Particular description of goods.—Face Cream.

Claims use since June 1, 1895.

Ser. No. 218,488. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HYDE MANUFACTURING COMPANY, Southbridge, Mass. Filed Aug. 6, 1925.

I. P. Hyde

The name of the individual appearing on the trademark is a facsimile signature of "I. P. Hyde," the original proprietor of the business.

Particular description of goods.—Table Knives, Table Forks, Tablespoons, Knife Blades, Extension Blades, Blade Handles, Extension-Blade Handles; Leather, Rubber, and Wood Shaves; Leather-Cutting Knives, Shoe Knives, Cobblers' Knives, Mechanics' Knives, Knives Used in Trades, Rubber-Cutting Knives, Tire Knives, Tire-Repairers' Knives, Vulcanizers' Knives, Tire Probes, Bead-Trimming Knives, V-Trimming Knives, Mill Knives, Turnover Knives, Lathe Knives, Butcher Knives, Lathe-Knife Blades, Ring-Knife Blades, Calendar-Knife Blades, Hand-Cutting-Knife Blades, Circular Knives, Trimming Knives, Edge Shaves, Broom Pounders, Broom Needles; Household Cutlery and Tools, including Kitchen Knives, Carving Knives, Bread Knives, Steak Knives, Grapefruit Knives, Lemon Knives, Orange Knives, Paring Knives, Fruit Knives, Slicers, Cake Turners, and Spatulas; Butchers' Tools, including Meat Knives, Cleavers, and Butchers' Steels; Corset Knives, Corset Cutters, Collar Cutters, Cuff Cutters, Shirt Cutters, Cardboard Knives, Boning Knives, Candy Knives, Cheese Knives, Chicken-Killing Knives, Cooks' Knives, Dough Knives, Fish Knives, Pie Knives, Pastry Knives, Ripping Knives, Serrated-Edge Knives, Skinning Knives, Slicing Knives, Sticking Knives, Splitting Knives, Banana Knives, Bakers' Knives, Sloyd Knives, Paper-Hangers' Knives, Painters' Knives, Putty Knives, Paint and Wood Scrapers, Budding Knives, Broom Knives, Broomcorn Knives, Cap-Makers' Knives, Cigar Knives, Clam Knives, Cloth Knives, Collar Knives, Cotton-Sampling Knives, Feather Knives, Furriers' Knives, Glaziers' Knives, Oilcloth Knives, Linoleum Knives, Oyster Knives, Pallet Knives, Pattern-Makers' Knives, Pruning Knives, Tobacco Knives, Bookbinders' Knives, and Glass-Workers' Knives, all of the foregoing being of base metal.

Claims use since May 1, 1898.

Ser. No. 219,075. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) STEPHEN A. KIRCHER, doing business as Better Brew Products Company, (Not Inc.), Chicago, Ill. Filed Aug. 19, 1925.

BOHEMIAN
BETTER BREW
Creme de Malt

Applicant makes no claim to the words "Bohemian Better Brew" and "Creme de Malt" apart from the mark shown.

Particular description of goods.—Malt Extract.

Claims use since Nov. 21, 1921.

Ser. No. 219,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. TREDWAY, doing business as Tred-way Motor Fuel Co., Detroit, Mich. Filed Aug. 19, 1925.

No claim is made to the words "Locomotive Power" apart from the mark as shown.

Particular description of goods.—Improver for Gasoline and Other Liquid Fuels.

Claims use since Jan. 1, 1925.

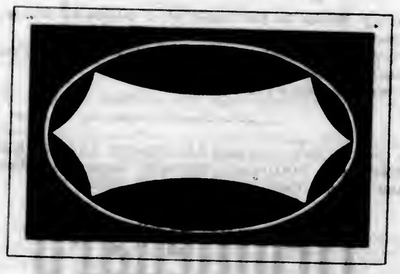
Ser. No. 219,294. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Aug. 24, 1925.

MAYTONA

Particular description of goods.—Radio Receiving Sets, Storage Batteries and B Batteries, and Radio Loud Speakers.

Claims use since Mar. 2, 1925.

Ser. No. 219,379. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN CHATILLON & SONS, New York, N. Y. Filed Aug. 26, 1925.



Particular description of goods.—Dynamometers, Beam Scales, Even-Balance Scales, and Spring Scales.

Claims use since Apr. 27, 1923.

Ser. No. 219,885. (CLASS 5. ADHESIVES.) EVERYBODY'S TALKING MACHINE COMPANY, INC., Philadelphia, Pa. Filed Sept. 5, 1925.

STICK-ITE

Particular description of goods.—Adhesive Having Shellac as a Base.

Claims use since on or about Aug. 19, 1925.

Ser. No. 220,183. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) EVERYBODY'S TALKING MACHINE COMPANY, INC., Philadelphia, Pa. Filed Sept. 12, 1925.

H. Q.

Particular description of goods.—Mainsprings, Gears, Shafts, Spindles, Screws, and Washers.

Claims use since on or about Jan. 1, 1922.

Ser. No. 220,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POPPER GRAY & CO., INC., New York, N. Y. Filed Sept. 16, 1925.

Applicant disclaims "Made in Switzerland" and "Genuine Swiss Cheese" and "Brand."

Particular description of goods.—Swiss Cheese.

Claims use since Jan. 1, 1900.

Ser. No. 220,554. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) WILLIAM GIBBON MCILVAIN, Philadelphia, Pa. Filed Sept. 21, 1925.

Particular description of goods.—Containers for Salt, Pepper, and Talcum-Powder Shakers Made of China and Vitreous China.

Claims use since Mar. 16, 1925.

Ser. No. 220,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL FRUIT COMPANY, San Francisco, Calif. Filed Sept. 25, 1925.

PEP

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears, Plums, Peaches, and Fresh Grapes.

Claims use since July 6, 1925.

Ser. No. 220,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. J. THORNTON & Co., Louisville, Ky. Filed Sept. 29, 1925.

BLUE BELL

Particular description of goods.—Cinnamon, Cayenne Pepper, Mustard, Sage, Thyme, Turmeric, and Curry Powder, all of Which are Ground, and Spiced Poultry Seasoning.
Claims use since Jan. 1, 1925.

Ser. No. 221,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROTTI GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Munich, Germany. Filed Sept. 30, 1925.

Eatan

Particular description of goods.—Hydrolytic Product of Animal Albumen and Animal Organs Flavored With Meat Extract.
Claims use since Feb. 4, 1921.

Ser. No. 221,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAY G. HOBSON, doing business as Cathaspirin Company, Chillicothe, Ohio. Filed Oct. 1, 1925.

HOBSON'S CATHASPIRIN

The word "Hobson's" is disclaimed.
Particular description of goods.—Laxative Compound for La Grippe, Influenza, Headache, Colds, Chills, and Neuralgia.
Claims use since Apr. 15, 1925.

Ser. No. 221,246. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FENNVILLE CANNING CO., Fennville, Mich. Filed Oct. 5, 1925.

Bonny Lass

The picture shown is fanciful.
Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Berries.
Claims use since June 15, 1920.

Ser. No. 221,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FENNVILLE CANNING CO., Fennville, Mich. Filed Oct. 5, 1925.

Nancy Hanks is the name of a celebrated historical character, the mother of Abraham Lincoln.
Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Berries.
Claims use since 1920.

Ser. No. 221,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERICKSON BROTHERS, Minkler and Sanger, Calif. Filed Oct. 10, 1925.

Dromedary

Particular description of goods.—Fresh Deciduous Fruits and Fresh Grapes.
Claims use since July 8, 1925.

Ser. No. 221,612. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE F. HUMPHREY, Montreal, Quebec, Canada. Filed Oct. 12, 1925.

APPO-KRISPS

Particular description of goods.—Breakfast Food, Including Fruit and Cereal Flakes.
Claims use since Jan. 28, 1924.

Ser. No. 222,013. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RANDOLPH M. CRAIG, Fort Worth, Tex. Filed Oct. 20, 1925.

HAND C PRODUCTS

No claim is made for the word "Products" apart from the trade-mark shown in the drawing.
Particular description of goods.—Watch Cleaners, Dial Cleaners, Silver Soap, Silver Polish, and Jewelry Cleaner.
Claims use since Mar. 1, 1925.

Ser. No. 222,033. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KACO CORPORATION, New York, N. Y. Filed Oct. 20, 1925.

No claim is made to the word "Quality" apart from the mark as shown.
Particular description of goods.—Ready-Mixed Paints, Varnishes, Dry Colors, and Paste Paints.
Claims use since June 14, 1923.

Ser. No. 222,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA REETA MFG. CO., Chicago, Ill. Filed Oct. 24, 1925.

LA REETA

Particular description of goods.—Dandruff Remover, Hair Restorer, Hair Grower, Brilliantine, Toilet Waters, Face Powders, Face Creams, Perfume, Witch-Hazel, Shampoo, Hair Pomade, Hair Wash, Hair Straightener, Perfumes, Hair Tonics, Shaving Lotion, Hair Dye, Beauty Clay, Skin Bleach, Depilatory Powder, Florida Water, Bay Rum, Sachet Powder, Bath Powder, Deodorant Powder, Lemon Cleansing Cream, Vanishing Cream, Cold Cream, Lilac Vegetal, Rouge, Talcum Powder, Powder-Base Cream, Cleansing Cream, Wrinkle Cream, Lemon Bleaching Lotion, Perspiration Powder, Bath Salts.
Claims use since Sept. 6, 1922.

Ser. No. 222,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PORTE & CIE, Paris, France. Filed Oct. 27, 1925.

FLAMETTE

Particular description of goods.—Rouge.
Claims use since Mar. 3, 1908.

Ser. No. 222,490. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEON WEINSTEIN, doing business as Central Braiding Company, St. Louis, Mo. Filed Oct. 28, 1925.

Particular description of goods.—Boot and Shoe Laces.
Claims use since Oct. 1, 1925.

Ser. No. 222,633. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Oct. 31, 1925.

THE REYNOLITE LINE *Masterpiece*

Particular description of goods.—Straight Two-Way Plugs, Angle Two-Way Plugs, Angle Three-Way Convenience Taps, Straight Three-Way Convenience Outlets, Convenience Taps, Appliance-Cord Switches, Separable Attachment Plugs.
Claims use since July 20, 1925.

Ser. No. 222,856. (CLASS 15. OILS AND GREASES.) LORD BALTIMORE FILLING STATIONS, INC., Baltimore, Md. Filed Nov. 5, 1925.

LORD BALTIMORE

Lord Baltimore is the name of a famous colonial character who brought about the settlement of Maryland.
Particular description of goods.—Motor Oils and Greases, Auto Oils and Greases for Lubricating Purposes, Gasoline; Motor Fuel—Namely, Combinations of Gasoline and Other Elements Mixed Therewith Used in the Place of Gasoline and Kerosene.
Claims use since June, 1911.

Ser. No. 222,917. (CLASS 39. CLOTHING.) CRADDOCK-TERRY CO., Lynchburg, Va. Filed Nov. 6, 1925.

No claim is made to the word "Shoes."
Particular description of goods.—Leather Shoes.
Claims use since Sept. 17, 1925.

Ser. No. 223,032. (CLASS 15. OILS AND GREASES.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Nov. 9, 1925.

Applicant disclaims the right to the exclusive use of the word "Tank" apart from the mark as shown.

Particular description of goods.—Petroleum Products—Namely, Petroleum.

Claims use since Oct. 12, 1925.

Ser. No. 223,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE INTERNATIONAL RADIOLITE COMPANY, St. Paul, Minn. Filed Nov. 9, 1925.

RADIOLITE

Particular description of goods.—Electric Storage Batteries and Parts Thereof.

Claims use since on or about July 27, 1922.

Ser. No. 223,059. (CLASS 37. PAPER AND STATIONERY.) GEORGE ERNEST STUDDY, London, England. Filed Nov. 9, 1925.

BONZO

Particular description of goods.—Fountain Pens, Desk Calendars, Penwipers, Inkstands, and Paper Weights.

Claims use since Sept. 5, 1923.

Ser. No. 223,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN T. FOSTER, doing business as the Edwin T. Foster Laboratories, Williamstown, Mass. Filed Nov. 12, 1925.

TONSILFORM-T

Particular description of goods.—Solution for the Treatment of Tonsils.

Claims use since Oct. 1, 1925.

Ser. No. 223,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PUROX COMPANY, Denver, Colo. Filed Nov. 19, 1925.

PUROX

Particular description of goods.—Oxygen, Hydrogen, and Acetylene Gases.

Claims use since Oct. 1, 1924.

Ser. No. 223,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLS & TOPHAM, Lindsay, Calif. Filed Nov. 24, 1925.

SUNBONNET

The lining appearing upon the drawing is for the purpose of shading only. The portrait of the girl is fanciful.

Particular description of goods.—Fresh Citrous Fruits and Grapes.

Claims use since Aug. 1, 1925.

Ser. No. 223,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALLIS INC., Cincinnati, Ohio. Filed Nov. 25, 1925.

OPAL HUE

Particular description of goods.—Toilet Preparations—Namely, Powder for Application to the Face and Body.

Claims use since Dec. 20, 1924.

Ser. No. 224,088. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) K. F. GRIFFITHS BUFF COMPANY, INC., New York, N. Y. Filed Dec. 2, 1925.

No claim is made to the words "Griffiths" and "New York" apart from the mark shown in the drawing.

Particular description of goods.—Buffing Wheels.

Claims use since Oct. 8, 1925.

Ser. No. 224,208. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O. S. SCHMIDT, doing business as Crown Laboratories, San Francisco, Calif. Filed Dec. 3, 1925.

Particular description of goods.—Remedy for Headache.

Claims use since March, 1892.

Ser. No. 224,412. (CLASS 37. PAPER AND STATIONERY.) LIBERTY FOUNTAIN & GOLD PEN CO., New York, N. Y. Filed Dec. 8, 1925.

LIBERTY

Particular description of goods.—Fountain and Gold Pens.

Claims use since August, 1911.

Ser. No. 224,461. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LAMINATED SHIM COMPANY, INC., Long Island City, N. Y. Filed Dec. 9, 1925.

VERNAY ALL YEAR ROUND SHUTTER

No claim is made to the exclusive use of the words "Shutter" and "All Year Round" except as shown in the mark.

Particular description of goods.—Automobile Radiator Shutters.

Claims use since about Nov. 16, 1925.

Ser. No. 224,550. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LYDIA WEBSTER, Jamaica, N. Y. Filed Dec. 17, 1925.

No claim is made to any word on the drawing except "Wonder" apart from the mark as shown.

Particular description of goods.—Furniture Polish.

Claims use since Oct. 1, 1925.

Ser. No. 224,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. ESTELLE JAY WEED, doing business as E. J. Weed, Drayton Plaines and Walled Lake, Mich. Filed Dec. 21, 1925.

BONNIE'S BEST

No claim is made to the word "Best" apart from the mark as shown.

Particular description of goods.—Orange Marmalade.

Claims use since October, 1922.

Ser. No. 225,151. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) U. S. TECHNICAL PRODUCTS COMPANY, New York, N. Y. Filed Dec. 24, 1925.

PEXITONE

Particular description of goods.—A Turpentine Substitute—Namely, a Paint and Varnish Thinner to be Mixed With Paints and Varnishes.

Claims use since Nov. 30, 1925.

Ser. No. 225,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POWER CITY BAKING COMPANY, Hazleton, Pa. Filed Dec. 30, 1925.

The picture of the maid forming a feature of the mark is fanciful. The corporate name "Power City Baking Co. Inc." is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Bread.

Claims use since May 11, 1923.

Ser. No. 225,419. (CLASS 17. TOBACCO PRODUCTS.) GREELEY SQUARE HOTEL COMPANY, New York, N. Y. Filed Jan. 2, 1926.

No rights are claimed for the radio-station call letters "W M C A."

Particular description of goods.—Cigars, Cigarettes, Cheroots, Smoking and Chewing Tobacco, and Snuff.

Claims use since Nov. 14, 1925.

Ser. No. 225,518. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALBERT A. MADISON, doing business as Madison Paint and Varnish Co., Los Angeles, Calif. Filed Jan. 5, 1926.

SUNBAKE

Particular description of goods.—Paint Enamel, Paint as Dry, Paste, or Ready Mixed of All Kinds.

Claims use since Dec. 7, 1925.

Ser. No. 225,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH J. FLATLEY, San Francisco, Calif. Filed Jan. 8, 1926.

CORONATION

Particular description of goods.—Canned Fruits—Namely, Canned Pineapple, Canned Apricots, Canned Peaches, Canned Pears, Canned Plums, Canned Apples, Canned Grapes, Canned Cherries, Canned Figs, and Canned Berries; Canned Fish—Namely, Canned Salmon, Canned Sardines, and Canned Tunny; Canned Vegetables—Namely, Canned Corn, Canned Peas, Canned Tomatoes, Canned String Beans, Canned Spinach, Canned Asparagus; Dried Fruits—Namely, Dried Prunes, Dried Apples, Dried Peaches, Dried Apricots, Dried Pears, Dried Figs, and Dried Raisins; Canned Fruit Salad.

Claims use since Dec. 15, 1925.

Ser. No. 225,984. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SKINNER AUTOMOTIVE DEVICE CO., INC., Detroit, Mich. Filed Jan. 15, 1926.

Particular description of goods.—Oil-Rectifying Systems for Internal-Combustion Engines.

Claims use since Dec. 3, 1925.

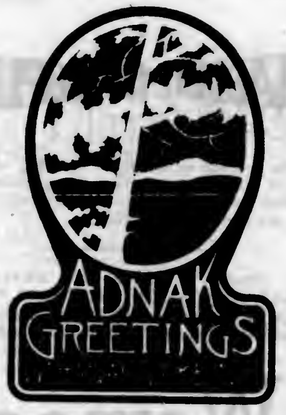
Ser. No. 226,033. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AKTIEBOLAGET BALTIC, Stockholm, Sweden. Filed Jan. 18, 1926.

B.B.
MARVEL

Particular description of goods.—Centrifugal Liquid.

Claims use since Oct. 6, 1925.

Ser. No. 226,045. (CLASS 38. PRINTS AND PUBLICATIONS.) ISAAC C. CLARK, Saranac Lake, N. Y. Filed Jan. 18, 1926.

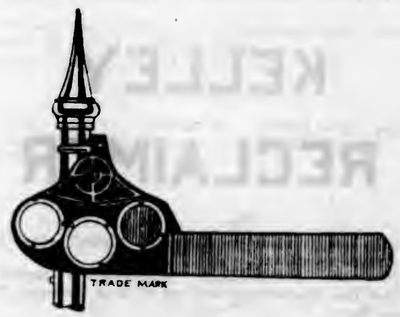


No claim is made to the use of the words "Greetings" and "Saranac Lake, N. Y." apart from the trade-mark shown in the drawing.

Particular description of goods.—Greeting Cards and Calendars.

Claims use since Dec. 26, 1925.

Ser. No. 226,050. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) LESLIE W. JOY, New York, N. Y. Filed Jan. 18, 1926.



Trade-mark is lined for red, no claim being made to the exclusive use of the words "Trade Mark" apart from the mark shown on the drawing.

Particular description of goods.—Natural Mineral Water.

Claims use since Sept. 28, 1925.

Ser. No. 226,130. (CLASS 38. PRINTS AND PUBLICATIONS.) CRANDALL, PIERCE & COMPANY, Chicago, Ill. Filed Jan. 20, 1926.

The Business Index

Particular description of goods.—Publication Issued Monthly.

Claims use since January, 1925.

Ser. No. 226,147. (CLASS 39. CLOTHING.) F. A. KALIL COMPANY, New York, N. Y. Filed Jan. 20, 1926.

The words "Official Sweater" are disclaimed apart from the mark shown; consent of Harold E. Grange filed.

Particular description of goods.—Sweaters; Sport Coats for Men, Women, and Children; Jerseys, and Jackets.

Claims use since Jan. 4, 1926.

Ser. No. 226,203. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MEYER, WISE & KAICHEN CO., Cincinnati, Ohio. Filed Jan. 21, 1926.

BLUE RIDGE

Particular description of goods.—Bedding Blankets.

Claims use since October, 1925.

Ser. No. 226,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SYMONS BROS. & CO., Saginaw, Mich. Filed Jan. 22, 1926.

STAR STAR

Particular description of goods.—Spices, Mincemeat, Rice, Tea, Canned Fruits, Canned Vegetables, Coffee, and Jelly Powder, Dried Raisins, Canned Berries, Canned Pork and Beans, and Canned Succotash.

Claims use since 1908.

Ser. No. 226,282. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FEDERAL TELEGRAPH COMPANY, San Francisco, Calif. Filed Jan. 23, 1926.

Kolster

No claim is made to the word "Kolster" except in the form shown.

Particular description of goods.—Radio Direction Finders, Radiocompasses, and Radio Receiving Sets and Parts Thereof.

Claims use since July 15, 1925.

Ser. No. 226,313. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. B. THOMAS, INC., Long Island City, N. Y. Filed Jan. 23, 1926. Under ten-year proviso.

THOMAS'

Particular description of goods.—Bread.
Claims use since prior to 1894.

Ser. No. 226,318. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed Jan. 23, 1926.

Applicant disclaims exclusive right to the use of the expressions "Round Edge Rust Proof Snap Fasteners, 1 Dozen, Size 2/0" which appear in the trade-mark. The lining is for the purpose of shading only.

Particular description of goods.—Hand Sewing Needles, Pins Made of Nonprecious Metals, Hooks and Eyes, Loops, Corset and Double Fasteners, Waist and Corset Fasteners, Hooks and Eyes of Nonprecious Metals Used to Fasten Ladies' Apparel, Waist Snap Fasteners; Skirt Fasteners, Being Spring Snap Fasteners Made of Nonprecious Metals; and Plain and Fancy Buttons Made of Nonprecious Metals.
Claims use since 1923.

Ser. No. 226,359. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn. Filed Jan. 25, 1926.

THE WONDER DRINK

Golden Mist

TASTY DRY

The words "The Wonder Drink" and "Tasty Dry" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Nov. 28, 1925.

Ser. No. 226,426. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRIS ELECTRIC CO., San Francisco, Calif. Filed Jan. 26, 1926.

ALADDIN DUPLEX

No claim is made to the word "Duplex" or the representation of the goods apart from the mark shown.

Particular description of goods.—Electric Generators.
Claims use since August, 1922.

Ser. No. 226,495. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM E. MUSHET, doing business as W. E. Mushet Co., San Francisco, Calif. Filed Jan. 27, 1926.

Wemco

Particular description of goods.—Pump Valves.
Claims use since May 16, 1923.

Ser. No. 226,509. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE PATTERSON-KELLEY CO., New York, N. Y. Filed Jan. 27, 1926.

KELLEY RECLAIMER

No claim is made to the word "Kelley" apart from the mark as shown.

Particular description of goods.—Water Heater in Which Hot Waste-Water is Used to Heat Incoming Clean Cool Water.
Claims use since Mar. 4, 1925.

Ser. No. 226,532. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. ANDERSON'S PIO REO REMEDY CO., Centralia, Ill. Filed Jan. 28, 1926.

PIO-REO

Particular description of goods.—Preparation for Pyorrhea.
Claims use since Apr. 25, 1925.

Ser. No. 226,594. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MARIA R. MOZZONE, doing business as Olympic Dry Ginger Ale Co., Seattle, Wash. Filed Jan. 29, 1926.

Particular description of goods.—Ginger Ale, a Nonalcoholic, Noncereal, Maltless Beverage. Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Dec. 1, 1924.

Ser. No. 226,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FINNISH CO-OPERATIVE TRADING ASSOCIATION INC., Brooklyn, N. Y. Filed Feb. 1, 1926. The words "Health Bread" are disclaimed.

FINCO HEALTH BREAD

Particular description of goods.—Bread, Rolls, Cakes, Biscuits, Hard-Tack, and Like Bread.
Claims use since May 1, 1921.

Ser. No. 226,811. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE KOOLER CO., Washington, D. C. Filed Feb. 3, 1926.

KEEP KOOL WITH KOOLER

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Oct. 15, 1925.

Ser. No. 226,893. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FILAMENT EXPORT CORP., New York, N. Y. Filed Feb. 5, 1926.

SFERAVOX

"Sferavox."
Particular description of goods.—Radio Loud Speakers.
Claims use since Dec. 24, 1925.

Ser. No. 226,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW A. OSETKOWSKI, doing business as The Krakow Specialty Company, Detroit, Mich. Filed Feb. 5, 1926.

OKOCIM

Particular description of goods.—Malt Extract for Food Purposes.
Claims use since Feb. 15, 1923.

Ser. No. 226,951. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FILAMENT EXPORT CORP., New York, N. Y. Filed Feb. 6, 1926.

SFERAPHONE

"Sferaphone."
Particular description of goods.—Radio Loud Speakers.
Claims use since Dec. 24, 1925.

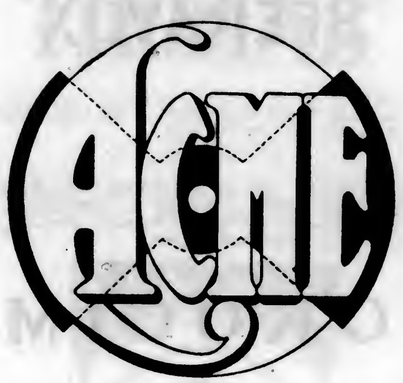
Ser. No. 227,002. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLEVELAND TRACTOR COMPANY, Euclid, Ohio. Filed Feb. 8, 1926.

"Snap" Cletrac "Oiling System"

Trade-mark consists of word "Snap." All the other words in the drawing are disclaimed as not comprised in trade-mark.

Particular description of goods.—Lubricating Apparatus for Vehicles.
Claims use since Jan. 26, 1926.

Ser. No. 227,018. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INTERNATIONAL PROJECTOR CORPORATION, New York, N. Y., and Chicago, Ill. Filed Feb. 8, 1926.



Particular description of goods.—Motion-Picture Projectors.
Claims use since Oct. 8, 1917.

Ser. No. 227,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WELLS-ABBOTT-NIEMAN CO., INC., Schuyler, Nebr. Filed Feb. 8, 1926.

PURITAN

Particular description of goods.—Livestock, Dairy, and Chicken Feed.
Claims use since 1887.

Ser. No. 227,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVERY P. SHERRILL, Scottsville, Va. Filed Feb. 9, 1926.

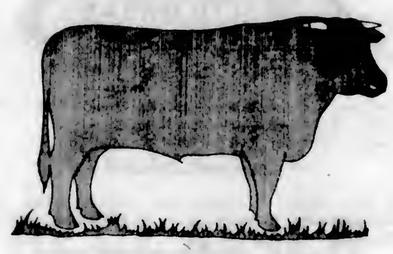
SHERRILLAP

The lining of drawing does not denote color.
Particular description of goods.—Preparation to be Used Internally for the Treatment of Asthma.
Claims use since Nov. 23, 1925.

Ser. No. 227,139. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SADINOFF & WENDROFF, INC., New York, N. Y. Filed Feb. 10, 1926.

Applicant disclaims right to the exclusive use of the word "Rayon" except in connection with the mark as shown.
Particular description of goods.—Fringes, Tassels, and Trimmings Made of Silk, Artificial Silk, Cotton, and Mercerized Cotton and Intended as Ornaments for Shawls, Draperies, Bath Robes, Lamp Shades, and Wearing Apparel in General.
Claims use since November, 1925.

Ser. No. 227,201. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed Feb. 11, 1926.



The ruling in drawing indicates the color red.
Particular description of goods.—Dried Bones.
Claims use since about Jan. 15, 1921.

Ser. No. 227,223. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 12, 1926.

DU PONT
TONTINE

No claim is made to the word "Du Pont" apart from the mark shown.
Particular description of goods.—Window-Shade Material.
Claims use since Mar. 5, 1925.

Ser. No. 227,242. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed Feb. 12, 1926.

Lohrite

Particular description of goods.—Preparation of Trisodium and Other Ingredients in Powder Form for Wet Cleaning of Woodwork, Enamel, Porcelain, and the Like Surfaces.
Claims use since about Dec. 1, 1925.

Ser. No. 227,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MIRROR, New York, N. Y. Filed Feb. 12, 1926.

No claim is made to the right to the exclusive use of words "Candies" and "New York" except in the particular arrangement shown.
Particular description of goods.—Candy.
Claims use since on or before Mar. 14, 1912.

Ser. No. 227,268. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EXPO CAMERA CORPORATION, New York, N. Y. Filed Feb. 13, 1926.

EXPO

Particular description of goods.—Cameras and Camera Parts.
Claims use since Jan. 26, 1920.

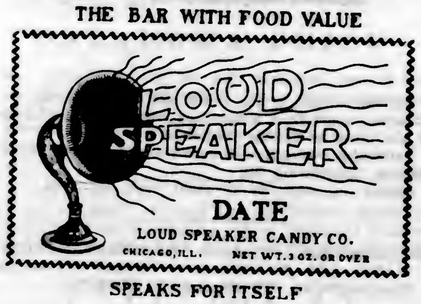
Ser. No. 227,306. (CLASS 39. CLOTHING.) O. C. HANSEN MANUFACTURING CO., Milwaukee, Wis. Filed Feb. 15, 1926.

Nava-Hue

Particular description of goods.—Inside Gloves of Knitted, Netted, or Textile Fabrics.
Claims use since Jan. 20, 1926.

Ser. No. 227,313. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUD SPEAKER CANDY CO., Chicago, Ill. Filed Feb. 15, 1926.

MADE IN FIVE VARIETIES
FIG—DATE—APRICOT—PRUNE—APPLE
EACH WITH RAISINS AND NUTS
THE BAR WITH FOOD VALUE



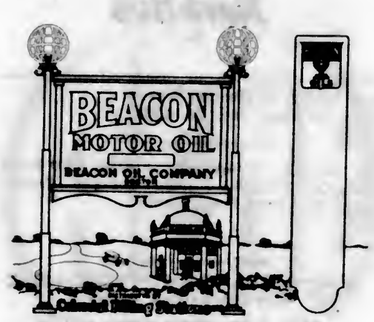
SPEAKS FOR ITSELF

No claim is made to the exclusive use of the words "Made in Five Varieties, Fig—Date—Apricot—Prune—Apple, Each With Raisins and Nuts, Chicago, Ill., Net Wt. 3 oz. or over, The Bar with Food Value, Date, Speaks for Itself, Loud Speaker Candy Co." apart from the mark shown.
Particular description of goods.—Candy.
Claims use since Dec. 3, 1925.

Ser. No. 227,378. (CLASS 37. PAPER AND STATIONERY.) WESLEY & WINTER, INC., Newark, N. J. Filed Feb. 16, 1926.

No rights are claimed for the word "Vellum" apart from the mark shown.
Particular description of goods.—Writing Paper and Mailing Envelopes.
Claims use since June 10, 1924.

Ser. No. 227,388. (CLASS 15. OILS AND GREASES.) BEACON OIL COMPANY, Boston, Mass. Filed Feb. 17, 1926.



Exclusive right to all verbal matter except the word "Beacon" apart from association with the other features of the mark is hereby disclaimed.

Particular description of goods.—Petroleum Products—Namely, Lubricating Oil.

Claims use since on or about Sept. 15, 1924.

Ser. No. 227,419. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) ROBERT H. RUCKER, Blackwell, Okla. Filed Feb. 17, 1926.

Wednesday Wonder Window ~

TRADE MARK

Applicant disclaims the words "Trade Mark" apart from the other features of the mark.

Particular description of goods.—Crockery, Earthenware, and Porcelain—Namely, Crocks, Jars, and Casseroles; Earthenware Plates, Cups, Saucers, Dishes, Flowerpots, and Pitchers; Porcelain Pans, Lids, Dish Pans, Kettles, Buckets, Pitchers, and Kitchen Ware.

Claims use since Dec. 15, 1924.

Ser. No. 227,421. (CLASS 39. CLOTHING.) ROBERT H. RUCKER, Blackwell, Okla. Filed Feb. 17, 1926.

Wednesday Wonder Window ~

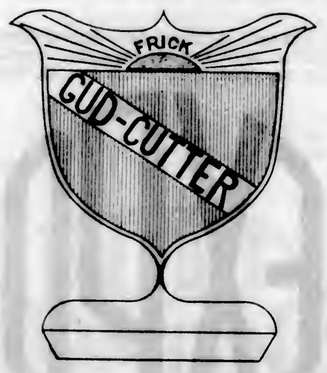
TRADE MARK

Applicant disclaims the words "Trade Mark" apart from the other features of the mark.

Particular description of goods.—Men's and Boy's Hats, Caps, Coats, Pants, Vests, Suits, Overcoats, Waists; Shoes, Leather and Fabric and Combinations Thereof; Slippers, Leather and Fabric and Combinations Thereof; Overalls, Collars, Ties, Scarfs, Socks, Hose Supporters, Suspenders, and Garters; Women's and Girls' Waists, Dresses; Shoes, Leather and Fabric and Combinations Thereof; Slippers, Leather and Fabric and Combinations Thereof; Collars, Ties, Scarfs, Socks, Hose, Lingerie, Hose Supporters, and Garters.

Claims use since Dec. 15, 1924.

Ser. No. 227,450. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANK E. FRICK, doing business as Frank E. Frick and Son, Long Island City, N. Y. Filed Feb. 18, 1926.



The vertical lines in the drawing indicate shading only. No claim is made to the word "Frick" or to the word "Gud-Cutter" apart from the mark shown.

Particular description of goods.—Hot-Tool Rotary Cutters.

Claims use since Jan. 2, 1926.

Ser. No. 227,454. (CLASS 15. OILS AND GREASES.) KANT-RUST PRODUCTS CORPORATION, Rahway, N. J. Filed Feb. 18, 1926.

KANT-RUST

Particular description of goods.—Lubricating Oils, Greases, and Penetrants.

Claims use since about Nov. 1, 1918.

Ser. No. 227,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed Feb. 18, 1926.

Particular description of goods.—Liquids, Pastes, and Powders for Treating and Beautifying the Skin, Teeth, and Hair; and Perfumeries, Depilatories; Preparations for Disorders of the Stomach, Liver, Kidneys, Bladder, and Bowels; Healing Lotions, Salves, Ointments, and Cerates and Liniments; Preparations for the Treatment of Inflammation and Congestion of the Respiratory Organs; Preparations for Treatment of Headaches, Nervous Disorders, and Neuralgia; and Rheumatism Remedies; Reconstructive, General, and Systemic Tonics; and Blood Purifiers; Antiseptics, Disinfectants, Germicides, and Insecticides; Vermifuges, Deodorants, Preparations for Curing Meat, and Preparations for Tanning or Curing Skins and Hides.

Claims use since Nov. 1, 1925.

Ser. No. 227,473. (CLASS 39. CLOTHING.) REED BROTHERS, INC., Tupelo, Miss. Filed Feb. 18, 1926.

TOM-BIG-BEE

Particular description of goods.—Work Shirts.

Claims use since Jan. 1, 1922.

Ser. No. 227,485. (CLASS 12. CONSTRUCTION MATERIALS.) THE UNITED CLAY PRODUCTS COMPANY, Washington, D. C. Filed Feb. 18, 1926.

No claim is made to the exclusive use of the words "Clay Products United with Service and Quality, United Clay Products Company" apart from the mark shown.

Particular description of goods.—Clay Products—Vis, Interlocking Tile, Hollow Building Tile, Face Tile and Brick, Sewer Pipe and Brick.

Claims use since Apr. 25, 1924.

Ser. No. 227,551. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 20, 1926.

OKLAHOMA CHIEF

No claim is made to the exclusive use of the geographical term "Oklahoma" apart from the mark shown in the drawing.

Particular description of goods.—Brick.

Claims use since Aug. 1, 1924.

Ser. No. 227,580. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Feb. 20, 1926.

GIGOLO

Particular description of goods.—Piece Goods Made of Silk, Cotton, and Wool.

Claims use since Jan. 23, 1926.

Ser. No. 227,585. (CLASS 2. RECEPTACLES.) THE HINDE & DAUCH PAPER CO., Sandusky, Ohio, Delphos, Ohio, Chicago, Ill., Philadelphia, Pa., New York, N. Y., Muncie, Ind., Gloucester, N. J., and Toronto, Canada. Filed Feb. 20, 1926.

Particular description of goods.—Cartons, Boxes, Shipping Envelopes, Partitions for Receptacles, Linings for Receptacles, and Wrappers, All Made of Paperboard.

Claims use since Jan. 2, 1925.

Ser. No. 227,630. (CLASS 15. OILS AND GREASES.) CANADIAN INDEPENDENT OIL, LIMITED, East St. John, New Brunswick, Canada. Filed Feb. 23, 1926.

Disclaimer is made to all terms save "Loiloil" apart from the mark as shown on the drawing.

Particular description of goods.—Lubricating Oils.

Claims use since Sept. 1, 1923.

Ser. No. 227,667. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) F. W. MÜLLER SONS, Arlington Heights, Ill. Filed Feb. 23, 1926.

ARLINGTON CLUB

Trade-mark consists of the words "Arlington Club."

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz., Ginger Ale, Root Beer, Plain Carbonated Water, and Various Fruit Flavors.

Claims use since Mar. 1, 1925.

Ser. No. 227,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Filed Feb. 23, 1926.

Planter's TWINS

Particular description of goods.—Chocolate Bars.

Claims use since January, 1921.

Ser. No. 227,704. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WHISTLE BOTTLING CO., Tacoma, Wash. Filed Feb. 23, 1926.

Chocolate Moon

Trade-mark consists of the words "Chocolate Moon," no claim being made to the word "Chocolate" except in the association shown.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz., a Chocolate-Flavored Beverage.

Claims use since Jan. 4, 1926.

Ser. No. 227,719. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) COUNTRY CLUB SODA COMPANY, Springfield, Mass. Filed Feb. 24, 1926.

"42"

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Oct. 1, 1924.

Ser. No. 227,755. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) SIEGEL, ROTHSCHILD & CO., Baltimore, Md. Filed Feb. 24, 1926.

No claim is made to the word "Bombazine" nor to the fanciful representation of an umbrella apart from the mark shown in the drawing.

Particular description of goods.—Umbrellas.

Claims use since Jan. 5, 1926.

Ser. No. 227,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARBONELL & CO. (S. EN C.), Cordoba, Spain. Filed Feb. 27, 1926.

Exclusive use of the words "Carbonell y Cia., Cordoba, Espana" is disclaimed apart from the other features of the mark.

Particular description of goods.—Olives and Mayonnaise Sauces.

Claims use since April, 1925.

Ser. No. 227,899. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE DE FRANCE LABORATORIES INC., New York, N. Y. Filed Feb. 27, 1926.

Marie de France

"Marie de France."

Particular description of goods.—Toilet Preparations—Viz., Facial Creams, Bath Salts, Face Powder, Body Powder, and Hand Lotion.

Claims use since Feb. 15, 1925.

Ser. No. 227,907. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRACTICAL PERFECTION ENGINEERING COMPANY, New York, N. Y. Filed Feb. 27, 1926.

No claim is made to the words "Perfect Radio Power" apart from the mark shown.

Particular description of goods.—Radio Apparatus, More Particularly Radio A Batteries, Radio B Batteries, Other Radio Batteries, Battery Eliminators, and Chargers.

Claims use since June 1, 1924.

Ser. No. 227,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. B. EPPSTEIN & BRO., doing business as Eppak Co., New York, N. Y. Filed Mar. 1, 1926.

Nepp

Particular description of goods.—Dessert Powders.

Claims use since Jan. 15, 1926.

Ser. No. 227,993. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) FORTUNA BROOM COMPANY, Beeville, Tex. Filed Mar. 2, 1926.

No claim is made to the representation of the goods. The mark consists of three circumferential bands burned on the handle of the broom and spaced approximately twelve inches apart, the top band being at the extreme tip of the handle, said bands being black in contrast with the natural color of the wood.

Particular description of goods.—Brooms.

Claims use since Mar. 1, 1912.

Ser. No. 228,074. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WEST COAST PORCELAIN MANUFACTURERS, Millbrae, Calif. Filed Mar. 3, 1926.

Particular description of goods.—Vessels and Jars Made of Porcelain, Glass, and Earthenware for Imparting Radioactive Properties to Drinking Water and the Like.

Claims use since Dec. 1, 1925.

Ser. No. 228,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX SCHEEL, Brunsbuttelkoog, near Hamburg, Germany. Filed Mar. 4, 1926.

Esjodin.

Particular description of goods.—Medical Preparations for the Treatment of Furunculosis, Scaly Skin Eruptions, and Arteriosclerosis and Rickets.

Claims use since Oct. 1, 1925.

Ser. No. 228,194. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THOMAS G. KNIGHT, St. Johns, Mich. Filed Mar. 5, 1926.

Particular description of goods.—Animal Equipment, Particularly Horse and Cattle Pokes.
Claims use since Jan. 1, 1925.

Ser. No. 228,218. (CLASS 39. CLOTHING.) BILT RITE SHOE CO., Allentown, Pa. Filed Mar. 6, 1926.

BILT RITE

Particular description of goods.—Leather Boots and Shoes.
Claims use since on or about Oct. 1, 1905.

Ser. No. 228,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CALCO CHEMICAL COMPANY, Bound Brook, N. J. Filed Mar. 6, 1926.

Vitrisalt

Particular description of goods.—Chemical for Use in the Dyeing of Textiles and for Use in the Manufacture of Rayon or Artificial Silk.
Claims use since Oct. 12, 1925.

Ser. No. 228,239. (CLASS 10. FERTILIZERS.) ALFRED ROLPH GREGORY, San Francisco, Calif. Filed Mar. 6, 1926.

VITAMITE

Particular description of goods.—Nitrogen Bacteria (Fertilizer).
Claims use since June 1, 1916.

Ser. No. 228,277. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EDWIN TAYLOR, doing business as Taylor's Orantan Products Co., New York, N. Y. Filed Mar. 6, 1926.

ORA-TAN

Particular description of goods.—Nonalcoholic, Maltless Orange Drink.
Claims use since April, 1924.

Ser. No. 228,295. (CLASS 38. PRINTS AND PUBLICATIONS.) W. D. BURKE, Minneapolis, Minn. Filed Mar. 8, 1926.

True HEART Tales

Particular description of goods.—Quarterly Magazine.
Claims use since Mar. 1, 1926.

Ser. No. 228,323. (CLASS 38. PRINTS AND PUBLICATIONS.) LIFE INSURANCE PUBLISHING COMPANY, St. Louis, Mo. Filed Mar. 8, 1926.

Life Insurance Selling

Particular description of goods.—Title for a Periodical Publication.
Claims use since Jan. 1, 1926.

Ser. No. 228,358. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CONSUMERS BOTTLING CO., INC., New Orleans, La. Filed Mar. 9, 1926.

ZETZ

"Zetz."
Particular description of goods.—Carbonated, Non-alcoholic, Noncereal, Maltless Beverage Sold as Soft Drinks—Viz. Orange, Grape, Cider, and Root Beer.
Claims use since Dec. 30, 1925.

Ser. No. 228,367. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM P. HAMMOND, New York, N. Y. Filed Mar. 9, 1926.

FACTOGRAM

Particular description of goods.—Word Puzzles.
Claims use since Mar. 5, 1926.

Ser. No. 228,404. (CLASS 39. CLOTHING.) BLUE STREAK UNDERWEAR COMPANY, INC., Utica, N. Y. Filed Mar. 10, 1926.

BLUE STREAK

Particular description of goods.—Men's, Women's, and Children's Knitted Union Suits and Underwear.
Claims use since June 15, 1925.

Ser. No. 228,406. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BOTTLERS SUPPLY COMPANY, Milwaukee, Wis. Filed Mar. 10, 1926.

SITRO-SAL!

Particular description of goods.—Citric-Acid Solution Used in the Preparation of Soft Drinks.
Claims use since Dec. 15, 1925.

Ser. No. 228,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE CHEMICAL COMPANY, Scottdale, Pa. Filed Mar. 10, 1926.

OOMALCO

Particular description of goods.—External Preparation for Rheumatism, Neuritis, Neuralgia, and Aching Joints.
Claims use since Dec. 1, 1925.

Ser. No. 228,429. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) S. LANGSDORF & CO., INC., New York, N. Y. Filed Mar. 10, 1926.

PYRAMID

Particular description of goods.—Over-Night Cases, Limousine Cases, All Articles Gold Decorated; Wallets and Gold-Corner-Decorated Wallets and Cardcases with Gold-Decorated Corners, Collar Pouches and Soft-Collar Pouches and Folding Cases.
Claims use since about Jan. 4, 1926.

Ser. No. 228,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 10, 1926.

Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.
Claims use since 1890.

Ser. No. 228,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. SLATER & SONS, INC., Webster, Mass. Filed Mar. 11, 1926.

SLATER MAID

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 2, 1926.

Ser. No. 228,521. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALMAN CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 12, 1926.

ALMARUB
TRADE MARK.

All wording appearing on the drawing except the word "Almarub" is disclaimed apart from the association shown.
Particular description of goods.—Preparation for Gout and Rheumatism in All Stages.
Claims use since Feb. 10, 1926.

Ser. No. 228,528. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY E. DILLARD, Detroit, Mich. Filed Mar. 12, 1926.

Particular description of goods.—Electric Vacuum Cleaners.
Claims use since Mar. 4, 1926.

Ser. No. 228,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAIR PLAY CARAMELS, INC., Johnson City, N. Y. Filed Mar. 12, 1926.

No claim is made to the words "Lasses Mints" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since about Dec. 6, 1924.

Ser. No. 228,539. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. GREBE & CO., INC., Richmond Hill, N. Y. Filed Mar. 12, 1926.

No claim is made for the word "Radio" apart from the mark shown in the drawing.
Particular description of goods.—Radio Receiving Sets, Radio Transmitting Sets, and Parts Thereof.
Claims use since summer of 1919.

Ser. No. 228,561. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PYRAGLASS PRODUCTS, INC., Newburgh, N. Y. Filed Mar. 12, 1926.

No claim is made to the word "Panel" apart from the mark shown.
Particular description of goods.—Advertising Display Signs and Art Panels and Pictures Comprising a Display Service Protected by a Coating of Transparent Material Other Than Glass.
Claims use since Dec. 15, 1923.

Ser. No. 228,564. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Mar. 12, 1926.

Particular description of goods.—Straight Two-Way Plugs, Angle Two-Way Plugs, Angle Three-Way Convenience Taps, Straight Three-Way Convenience Outlets, Convenience Taps, Appliance-Cord Switches, Separable Attachment Plugs, Appliance-Cord Sets, Heater Connecter Plugs, Switched Heater Connecter Plugs, Switches, Outlets, Flush Plates, Wall Plates, Push Plates, Sockets, Attachment Plugs, Receptacle Plates, Toggle Switch Plates, Push Switch Plates, Heater Cord Sets, Switched Heater Cord Sets, Single Receptacle Plates, and Duplex Receptacle Plates.
Claims use since July 20, 1925.

Ser. No. 228,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RODDENBERY BROS., Cairo, Ga. Filed Mar. 12, 1926.

DEWKIST

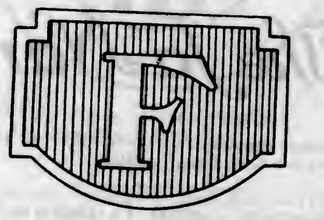
Particular description of goods.—Pure Ribbon Sugar-Cane Sirup for Food Purposes.
Claims use since Nov. 4, 1925.

Ser. No. 228,580. (CLASS 12. CONSTRUCTION MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

Plastertox

Particular description of goods.—Coating for Walls, Etc., Consisting of a Chemical Compound in Dry Powder Form.
Claims use since about Jan. 1, 1903.

Ser. No. 228,603. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed Mar. 13, 1926.



Particular description of goods.—Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Feb. 24, 1926.

Ser. No. 228,636. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARDEN CHEMICAL COMPANY, New York, N. Y. Filed Mar. 15, 1926.

EAU DE NILE

Particular description of goods.—Bath Soap.
Claims use since Oct. 1, 1925.

Ser. No. 228,638. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BECKLEY-CARDY COMPANY, Chicago, Ill. Filed Mar. 15, 1926.

SLATOPLATE

Particular description of goods.—Blackboards.
Claims use since about July 1, 1920.

Ser. No. 228,641. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RICHARD A. BURRIS, Charleston, S. C. Filed Mar. 15, 1926.

BURRCHART

Particular description of goods.—Structural Signboards.
Claims use since about January, 1926.

Ser. No. 228,668. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Mar. 15, 1926.

No claim is made to the words "Chapeaux Demoiselle" except as used in conjunction with the other features of the mark.
Particular description of goods.—Ladies' and Misses' Hats.
Claims use since October, 1925.

Ser. No. 228,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WORTHY & ETHERIDGE, Washington, N. C. Filed Mar. 15, 1926.

No claim is made for the words "All Around Headache and Pain Remedy" and "Trade-Mark" apart from the mark shown.
Particular description of goods.—Headache and Pain Remedy.
Claims use since June, 1925.

Ser. No. 228,704. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KATZ & OGUSH, INC., New York, N. Y. Filed Mar. 16, 1926.

"RAELON"

Particular description of goods.—Watches, Watchcases, and Watch Movements.
Claims use since Feb. 15, 1926.

Ser. No. 228,705. (CLASS 37. PAPER AND STATIONERY.) KENNEY BROS. & WOLKINS, INC., Boston, Mass. Filed Mar. 16, 1926.

FANEUIL

"Faneuil."

Particular description of goods.—Inkwells.

Claims use since Jan. 14, 1911.

Ser. No. 228,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOLB BAKING CORPORATION, Reading, Allentown, and Johnstown, Pa., and Schenectady and Albany, N. Y. Filed Mar. 16, 1926.

No claim is made to the word "Kolb's" apart from the mark shown. The lining indicates colors, horizontal for blue and vertical for red.

Particular description of goods.—Bread.

Claims use since September, 1925.

Ser. No. 228,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOLB BAKING CORPORATION, Reading, Allentown, and Johnstown, Pa., Schenectady and Albany, N. Y. Filed Mar. 16, 1926.

No claim is made to the word "Kolb's" apart from the mark shown, the lining indicating colors, horizontal for blue and vertical for red.

Particular description of goods.—Bread.

Claims use since September, 1925.

Ser. No. 228,728. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn. Filed Mar. 16, 1926.

MILHACK

Particular description of goods.—Hack-Saw Blades.

Claims use since Mar. 8, 1926.

Ser. No. 228,729. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn. Filed Mar. 16, 1926.

THOMFLEX

Particular description of goods.—Hack-Saw Blades.

Claims use since Mar. 8, 1926.

Ser. No. 228,748. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE FULTON COMPANY, Knoxville, Tenn. Filed Mar. 17, 1926.

The Ja-Nar

Particular description of goods.—Radiator Inclosures.

Claims use since January, 1915.

Ser. No. 228,762. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MANN-WOOD CO., INC., New York, N. Y. Filed Mar. 17, 1926.

LEKREMA

Particular description of goods.—Powder for Cleaning and Removing the Shine from Fabrics.

Claims use since July 1, 1925.

Ser. No. 228,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 17, 1926.

Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.

Claims use since July, 1905.

Ser. No. 228,778. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 17, 1926.

Particular description of goods.—Gasoline.

Claims use since May 9, 1925.

Ser. No. 228,783. (CLASS 1, RAW OR PARTLY PREPARED MATERIALS.) SOUTHERN PROPERTIES, INC., Dallas, Tex. Filed Mar. 17, 1926.

Electrified

Particular description of goods.—Ice.

Claims use since Mar. 12, 1926.

Ser. No. 228,786. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUPERIOR PRODUCTS CORPORATION, Elizabeth, N. J. Filed Mar. 17, 1926.

Annette

"Annette."

Particular description of goods.—Perfumes, Toilet Powders, Face Rouge, Lip Rouge, Lip Stick, Bath Salts, and Toilet Water.

Claims use since Mar. 6, 1926.

Ser. No. 228,824. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MCMYLER INTERSTATE COMPANY, Bedford, Ohio. Filed Mar. 18, 1926.

Bobtail

Particular description of goods.—Cranes.

Claims use since Dec. 29, 1925.

Ser. No. 228,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT STEPHENSON, Auburn, Mich. Filed Mar. 18, 1926.

5 in 1

Particular description of goods.—Blood, Liver, Stomach, Kidney, and Bowel Tonic.

Claims use since Mar. 10, 1926.

Ser. No. 228,841. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Filed Mar. 18, 1926.

RED HEAD

The shade lines on the drawing indicate red coloring.

Particular description of goods.—Mops and Handles Therefor.

Claims use since Dec. 8, 1925.

Ser. No. 228,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN J. THEUNE, doing business as Badger Poultry Farm, Oostburg, Wis. Filed Mar. 18, 1926.

The pictorial representation of a chick and the words and phrase "Accredited," "Baby Chicks," and "Lay More Eggs" are not claimed apart from the other features of the mark.

Particular description of goods.—Baby Chicks.

Claims use since Jan. 25, 1926.

Ser. No. 228,852. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 19, 1926.

HERCOSOL

Particular description of goods.—High-Boiling Solvent for Gums and Cellulose Esters.

Claims use since Mar. 1, 1926.

Ser. No. 228,856. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LINEHAN & MOLO, Dubuque, Iowa. Filed Mar. 19, 1926.

IDEAL

Particular description of goods.—Coal.
Claims use since Mar. 15, 1926.

Ser. No. 228,887. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BLACK & DECKER MANUFACTURING CO., Towson, Md. Filed Mar. 20, 1926.

B&D

Particular description of goods.—Portable Electric Drills and Twist-Drill Grinders; Portable Electric Screw, Bolt, and Nut Drivers; Portable Electric Tappers, Portable Electric Reamers, Portable Electric Valve Grinders and Refacers, Portable Electric Hammers, Portable Electric Socket Wrenches, Portable Electric Augers and Post Grinders, Drill Stands; Portable Electric Bench, Pedestal, and Floor Grinders and Buffers; Portable Electric Saws, Portable Electric Riveters, Portable Electric Tire Regroovers, Portable Electric Floor and Box Planers, Portable Electric Mortising Tool, Electric Air Pumps, Air Compressors and Attachments, and Parts for Said Electric Machines, Tools, and Apparatus.
Claims use since on or about Mar. 19, 1915.

Ser. No. 228,888. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEO. BORGFELDT & CO., New York, N. Y. Filed Mar. 20, 1926.

BONNIE BABE

Particular description of goods.—Dolls.
Claims use since Feb. 25, 1926.

Ser. No. 228,896. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESSENTIAL MFG. CO., Philadelphia, Pa. Filed Mar. 20, 1926.

READY E

The word "Ready" is disclaimed apart from the mark shown. The symbol "E" is in red.
Particular description of goods.—Insect Powder.
Claims use since Feb. 11, 1926.

Ser. No. 228,900. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Mar. 20, 1926.

EVEREADY

Particular description of goods.—Food Choppers.
Claims use since Mar. 12, 1926.

Ser. No. 228,902. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Mar. 20, 1926.

Songbird

Particular description of goods.—Head Phones, Condensers, Transformers, and Loud Speakers.
Claims use since September, 1925, on head phones and condensers; on transformers since February, 1925; and on loud speakers since October, 1925.

Ser. No. 228,920. (CLASS 17. TOBACCO PRODUCTS.) BRUNO MARTIN, Saginaw, Mich. Filed Mar. 20, 1926.

Particular description of goods.—Chewing and Snuff Tobacco.
Claims use since Jan. 1, 1923.

Ser. No. 228,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRUNO MARTIN, Saginaw, Mich. Filed Mar. 20, 1926.

POMATEE

Particular description of goods.—Salve Employed as an External Application for Medical Treatment of Skin Abrasion, Sores, Boils, Bruises, and Similar Ailments.
Claims use since Jan. 1, 1920.

Ser. No. 228,922. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRUNO MARTIN, Saginaw, Mich. Filed Mar. 20, 1926.

The picture shown is a facsimile of applicant's portrait.
Particular description of goods.—Medicated Snuff.
Claims use since Jan. 1, 1914.

Ser. No. 228,924. (CLASS 37. PAPER AND STATIONERY.) MICHAEL MILTON, doing business as Milton Paper Company, New York, N. Y. Filed Mar. 20, 1926.

MILPACO

Particular description of goods.—Ledger Paper, Mimeograph Paper, Cards, Bristol Board, and Cardboard.
Claims use since November, 1916.

Ser. No. 228,932. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PILOT ELECTRIC MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Mar. 20, 1926.

NEUTRO-GRAD

Particular description of goods.—Fixed and Variable Neutralizing Condensers in Radio Reception Devices.
Claims use since Jan. 5, 1926.

Ser. No. 228,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. B. VLIERBOOM & SON, Lancaster, Ohio. Filed Mar. 20, 1926.

FOREST ROSE

Particular description of goods.—Coffee, Spices, Prepared Mustard, and Catchup.
Claims use since January, 1921.

Ser. No. 228,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINTERS & POWELL CANNING COMPANY, INC., doing business as Winters-Powell Canning Co., Inc., Rushville, N. Y. Filed Mar. 20, 1926.

MAID OF THE VALLEY

Particular description of goods.—Canned Vegetables—Namely, Beets, Sauerkraut, Pumpkin, Spinach, Tomatoes, Beans, Peas, Sweet Corn, and Bean Succotash; Canned Berries, Canned Fruit—Namely, Peaches, Apples, Pears, and Cherries; Canned Chili Sauce, Canned Catchup, Canned Tomato Purée, Canned Strawberry Jam, and Canned Crab-Apple Jelly.
Claims use since May 22, 1925.

Ser. No. 228,958. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 20, 1926.

TELAS YORKANA

Applicant disclaims any right to the word "Telas" apart from the other features of the mark as shown.
Particular description of goods.—Cotton and Silk and Cotton Piece Goods.
Claims use since Aug. 1, 1925.

Ser. No. 228,961. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AEROVOX WIRELESS CORPORATION, New York, N. Y. Filed Mar 22, 1926.

METALOHM

Particular description of goods.—Radioresistors and Grid Leaks.
Claims use since October, 1925.

Ser. No. 228,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY E. BRIGNALL, doing business as Lite Soap Company, Aurora, Ill. Filed Mar. 22, 1926.

Lite

Particular description of goods.—Shampoo.
Claims use since Jan. 1, 1920.

Ser. No. 228,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JONES A. ENGSTROM, doing business as Engstrom Co., Seattle, Wash. Filed Mar. 22, 1926.

HAIR-O-MINE

Particular description of goods.—Hair Tonic, Hair Grower, and Dandruff Preparations.
Claims use since Dec. 15, 1925.

Ser. No. 228,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Mar. 22, 1926.

The picture in the illustration is fanciful.
Particular description of goods.—Waste-Pipe, Toilet-Bowl, Sink, and Drain Opener and Solvent.
Claims use since 1900.

Ser. No. 228,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. M. KEY, Jacksonville, Fla. Filed Mar. 22, 1926.

No claim is made to the name "T. M. Key's" and the words "Chile-Tabasco" apart from the mark as shown.
Particular description of goods.—Chili Tabasco Pepper Sauce.
Claims use since Mar. 1, 1914.

Ser. No. 228,993. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALOIS J. KOSHOLLEK, Stevens Point, Wis. Filed Mar. 22, 1926.

Particular description of goods.—Artificial Lures for Fish.
Claims use since July 5, 1923.

Ser. No. 228,995. (CLASS 37. PAPER AND STATIONERY.) MCLAURIN-JONES CO., Brookfield, Miss. Filed Mar. 22, 1926.

FROSTONE

"Frostone."
Particular description of goods.—Coated Papers.
Claims use since Mar. 1, 1926.

Ser. No. 229,003. (CLASS 17. TOBACCO PRODUCTS.) REED TOBACCO COMPANY, Richmond, Va. Filed Mar. 22, 1926.

Particular description of goods.—Tobacco Products—Namely, Cigarettes.
Claims use since Mar. 12, 1926.

Ser. No. 229,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RY-KRISP COMPANY, Minneapolis, Minn. Filed Mar. 22, 1926.

Ry-Krisp

Particular description of goods.—Rye Breakfast Food.
Claims use since Dec. 5, 1904.

Ser. No. 229,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED CHEESE IMPORTERS, INC., New York, N. Y. Filed Mar. 22, 1926.

Particular description of goods.—Cheese.
Claims use since November, 1924.

Ser. No. 229,017. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EUGENE AMBLER, doing business as Ambler Kokoal Company, Chicago, Ill. Filed Mar. 23, 1926.

KOKOAL

Particular description of goods.—Coal.
Claims use since Nov. 1, 1924.

Ser. No. 229,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & PANNEN, INC., New York, N. Y. Filed Mar. 23, 1926.

SULORA

Particular description of goods.—Shrimp Cocktail in Closed Containers.
Claims use since Feb. 15, 1926.

Ser. No. 229,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA BAKING CORPORATION, Wilmington, Del., and New Orleans, La. Filed Mar. 23, 1926.

Betty-Lou

Particular description of goods.—Cake.
Claims use since on or about Mar. 16, 1926.

Ser. No. 229,052. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PLATT & BRAHM COAL COMPANY, Chicago, Ill. Filed Mar. 23, 1926.

KENTUCKY GEM

Particular description of goods.—Coal.
Claims use since 1920.

Ser. No. 229,056. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ROCHE & CO., LIMITED, London, England. Filed Mar. 23, 1926.

No claim is made to the exclusive use of the words "Safety Match" apart from the mark shown on the drawing.
Particular description of goods.—Matches.
Claims use since June 6, 1925.

Ser. No. 229,065. (CLASS 12. CONSTRUCTION MATERIALS.) STOCKADE BUILDING SYSTEM, INC., New York, N. Y. Filed Mar. 23, 1926.

STOCKADE

Particular description of goods.—Building Blocks and Reenforcing Block Clips.
Claims use since June 10, 1925.

Ser. No. 229,088. (CLASS 31. FILTERS AND REFRIGERATORS.) THE BUILDERS SERVICE & SUPPLY CO., Berkeley, Calif. Filed Mar. 24, 1926.

No claim is made to the word "Freez" apart from the mark shown.
Particular description of goods.—Electrical Refrigerating Machines and Repair Parts Thereof.
Claims use since January, 1925.

Ser. No. 229,094. (CLASS 38. PRINTS AND PUBLICATIONS.) EXPERIMENTER PUBLISHING COMPANY, New York, N. Y. Filed Mar. 24, 1926.

Particular description of goods.—Monthly Magazine.
Claims use since Feb. 1, 1926.

Ser. No. 229,106. (CLASS 39. CLOTHING.) L. GREIF & BRO. INCORPORATED, Baltimore, Md. Filed Mar. 24, 1926.

RAINDRI

Particular description of goods.—Topcoats and Overcoats for Men, Youths, and Boys.
Claims use since 1915.

Ser. No. 229,116. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. MIESSE CO., Philadelphia, Pa. Filed Mar. 24, 1926.

LA FRÉ

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powder, Lip Sticks, Eyebrow Pencils, Compacts, and Sachets.
Claims use since Mar. 17, 1926.

Ser. No. 229,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa. Filed Mar. 25, 1926.

AFG

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, Fresh Berries, Fresh Grapes, Watermelons, Cantaloupes, Casaba Melons, Honeydew Melons, Pineapples, Canned Fruits, Fresh Figs and Dates, and Fresh Vegetables.
Claims use since Dec. 1, 1920.

Ser. No. 229,141. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMSCO PRODUCTS, INC., New York, N. Y. Filed Mar. 25, 1926.

FILATROL

Particular description of goods.—Radio Parts—Namely, Resistance Units and Grid Leaks.
Claims use since Mar. 11, 1926.

Ser. No. 229,166. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed Mar. 25, 1926.

GOLD SEAL

"Gold Seal."
Particular description of goods.—Vinegars.
Claims use since 1842.

Ser. No. 229,179. (CLASS 39. CLOTHING.) HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass. Filed Mar. 25, 1926. Under ten-year proviso.

Particular description of goods.—Canvas and Leather Boots and Shoes.
Claims use since January, 1875.

Ser. No. 229,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MYRTLE M. KROH, doing business as C. Irving Kroh Co., Silver Run, Md. Filed Mar. 25, 1926.

SILVER TOP

"Silver Top."
Particular description of goods.—Canned Vegetables and Canned Fruits.
Claims use since Aug. 21, 1922.

Ser. No. 229,184. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEBYA, INC., Long Island City, N. Y. Filed Mar. 25, 1926.

OR BRUNI

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Cream, Brilliantine, Rouges, and Bath Salts.
Claims use since Aug. 1, 1924.

Ser. No. 229,213. (CLASS 39. CLOTHING.) BIJOU HAT COMPANY, INC., New York, N. Y. Filed Mar. 26, 1926.

No claim is made to the words "Paris" and "New York" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies', Misses', and Children's Hats.
Claims use since December, 1925.

Ser. No. 229,218. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CONSTANTATOR COMPANY, INC., New York, N. Y. Filed Mar. 26, 1926.

CONSTANTATOR

Particular description of goods.—Motive-Power Regulators.
Claims use since March, 1924.

Ser. No. 229,241. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Mar. 26, 1926.

MARY MAE

Particular description of goods.—Children's Apparel—Namely, Hats.
Claims use since Mar. 8, 1926.

Ser. No. 229,242. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Mar. 26, 1926.

LADY MAY

Particular description of goods.—Ladies' Apparel—Namely, Hats.
Claims use since Mar. 3, 1926.

Ser. No. 229,250. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 26, 1926.

DELICIA

Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.
Claims use since 1890.

Ser. No. 229,254. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 26, 1926.

ACROPOLIS

Particular description of goods.—Candles.
Claims use since Oct. 25, 1925.

Ser. No. 229,256. (CLASS 15. OILS AND GREASES.) THE UNITED LUBRICANT COMPANY, Cleveland, Ohio. Filed Mar. 26, 1926.

DUMOR

Particular description of goods.—Lubricating Oils and Greases.
Claims use since about Feb. 4, 1926.

Ser. No. 229,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. F. WIEMANN CO., New York, N. Y. Filed Mar. 26, 1926.

Holland House

No claim is made to the use of the name "Holland" apart from the mark as shown.
Particular description of goods.—Coffee.
Claims use since Mar. 15, 1926.

Ser. No. 229,266. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) S. BAKAL & SON INC., New York, N. Y. Filed Mar. 27, 1926.

SEBKO

Particular description of goods.—Sanitary Napkins.
Claims use since about Mar. 4, 1926.

Ser. No. 229,291. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KEDMONT MANUFACTURING CO., Chicago, Ill. Filed Mar. 27, 1926.

PRESERVOL

Particular description of goods.—Wood Preservative.
Claims use since Feb. 12, 1926.

Ser. No. 229,308. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TEC-ART STUDIOS, INC., New York, N. Y. Filed Mar. 27, 1926.

TEC-ART

Particular description of goods.—Moving-Picture Films.
Claims use since May, 1922.

Ser. No. 229,329. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE GOLDEN RULE, INC., Columbus, Ohio. Filed Mar. 29, 1926.

TRADE MARK
GOLDEN RULE
THE
GR
INC.

No claim is made to the words "Trade Mark" apart from the mark shown in the drawing.
Particular description of goods.—China Dishes.
Claims use since Jan. 22, 1926.

Ser. No. 229,333. (CLASS 33. GLASSWARE.) THE GOLDEN RULE, INC., Columbus, Ohio. Filed Mar. 29, 1926.

TRADE MARK
GOLDEN RULE
THE
GR
INC.

No claim is made to the words "Trade Mark" apart from the mark shown.
Particular description of goods.—Etched and Iridescent Glass Goblets and Etched and Iridescent Sherbet Glasses.
Claims use since Jan. 22, 1926.

Ser. No. 229,336. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOFFMANN & BILLINGS MFG. CO., Milwaukee, Wis. Filed Mar. 29, 1926.

HOFBIL

Particular description of goods.—Lavatory Supply and Waste Fixtures, Over-Rim Bathtub Fillers, and Automobile Fill Bibs.
Claims use since Nov. 14, 1922, on lavatory supply and waste fixtures and over-rim bathtub fillers, and to automobile fill bibs since July 13, 1922.

Ser. No. 229,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAL. BLATZ BREWING COMPANY, Milwaukee, Wis. Filed Mar. 29, 1926.

Meister-Brau

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Jan. 14, 1926.

Ser. No. 229,404. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBINSON PRODUCTS INCORPORATED, Philadelphia, Pa. Filed Mar. 30, 1926.

RPCO

Particular description of goods.—Switch Plates, Square Toggle Plates, Round Toggle Plates, Push-Button Plates, Duplex Flush Receptacle Plates, Combination Plug and Toggle Plates, and Combination Plug and Push-Button Plates.
Claims use since about Feb. 22, 1926.

Ser. No. 229,410. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y. Filed Mar. 30, 1926.

SELSI

Particular description of goods.—Telescopes and Field Glasses.
Claims use since Oct. 10, 1925.

Ser. No. 229,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREE MOUNTAIN COFFEE CORPORATION, San Jose, Costa Rica. Filed Mar. 30, 1926.

CRC

Particular description of goods.—Coffee.
Claims use since Apr. 4, 1922.

Ser. No. 229,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREE MOUNTAIN COFFEE CORPORATION, San Jose, Costa Rica. Filed Mar. 30, 1926.

CAFE'TRES MONTES
CRC
THREE MOUNTAIN COFFEE

No claim is made to the word "Coffee" apart from the mark shown.
Particular description of goods.—Coffee.
Claims use since Apr. 4, 1922.

Ser. No. 229,420. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREE MOUNTAIN COFFEE CORPORATION, San Jose, Costa Rica. Filed Mar. 30, 1926.

CAFE'TRES MONTES
THREE MOUNTAIN COFFEE

No claim is made to the word "Coffee" apart from its use with the mark as shown.
Particular description of goods.—Coffee.
Claims use since Apr. 4, 1922.

Ser. No. 229,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WORTON CORPORATION, Buffalo, N. Y. Filed Mar. 30, 1926.

Kastor Jewis

Particular description of goods.—Candied Castor Oil.
Claims use since May, 1924.

Ser. No. 229,446. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANLEY O. LAWRENCE, doing business as General Mfg. Co., Chicago, Ill. Filed Mar. 31, 1926.

GEN—RAL

Particular description of goods.—Tuners, Antenna Couplers, Transformers, and Coils for Radio Systems.
Claims use since about July 1, 1924.

Ser. No. 229,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. MARY PEAK, Merced, Calif. Filed Mar. 31, 1926.

Particular description of goods.—Vanishing Cream, Oily Hair Tonic, Tissue Builder, Liquid Hair Tonic.
Claims use since Nov. 1, 1921.

Ser. No. 229,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. W. BURGESS, doing business as Carter Cystene Co., Kansas City, Mo. Filed Apr. 1, 1926.

Cystex

Particular description of goods.—Medicine for Bladder and Kidney Disorders.
Claims use since Mar. 25, 1926.

Ser. No. 229,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JORDAN STABLER COMPANY, Baltimore, Md. Filed Apr. 1, 1926.

LINDEN

Particular description of goods.—Mayonnaise Salad Dressing, Russian Dressing, Olive Dressing, and Tartar Sauce.
Claims use since Mar. 11, 1926.

Ser. No. 229,524. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE C. PARDEE WORKS, Philadelphia, Pa. Filed Apr. 1, 1926.

Applicant disclaims the word "Pardee" except in the exact relation and association in which the same appears herein.

Particular description of goods.—Pottery and Faience.

Claims use since June, 1924.

Ser. No. 229,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAUAI FRUIT & LAND CO., LTD., Kalaheo, Hawaii. Filed Apr. 2, 1926.

KING OF HAWAII

Particular description of goods.—Canned Pineapples.

Claims use since Jan. 2, 1907.

Ser. No. 229,593. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SHUR-ON STANDARD OPTICAL COMPANY, INC., Geneva, N. Y. Filed Apr. 2, 1926.

RIMLITE

Particular description of goods.—Ophthalmic Mountings.

Claims use since Jan. 4, 1926.

Ser. No. 229,615. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES THOMAS BERRY, doing business as Washington Society Beauty Company, Washington, D. C. Filed Apr. 3, 1926.

OUT-O-KINKS

Particular description of goods.—Chemical Preparation for the Removal of Kinks and Curls From the Hair.

Claims use since Dec. 5, 1924.

Ser. No. 229,651. (CLASS 37. PAPER AND STATIONERY.) UNION FOUNTAIN PEN CO., New York, N. Y. Filed Apr. 3, 1926.

UNION

Particular description of goods.—Fountain Pens.

Claims use since about Feb. 15, 1926.

Ser. No. 229,653. (CLASS 39. CLOTHING.) GEORGE G. WOOD & COMPANY, INC., New York, N. Y. Filed Apr. 3, 1926.

RUFFSHIRE

Particular description of goods.—Ladies' and Girls' Coats, Cloaks, Wraps, and Capes.

Claims use since about Mar. 27, 1926.

Ser. No. 229,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New Orleans, La. Filed Apr. 5, 1926.

ABABOG

Particular description of goods.—Green Coffee.

Claims use since June, 1925.

Ser. No. 229,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New Orleans, La. Filed Apr. 5, 1926.

MEDABOG

Particular description of goods.—Green Coffee.

Claims use since Jan. 14, 1926.

Ser. No. 229,666. (CLASS 39. CLOTHING.) CONRAD HOSIERY COMPANY, Clifton, N. J. Filed Apr. 5, 1926.

"51."

Particular description of goods.—Hosiery.

Claims use since about December, 1923.

Ser. No. 229,740. (CLASS 37. PAPER AND STATIONERY.) KOHINOOR PENCIL FACTORY L. & C. HARDTMUTH IN BUDWEIS, Budweis, Czechoslovakia. Filed Apr. 6, 1926.

Eros

"Eros."

Particular description of goods.—Lead Pencils of All Kinds.

Claims use since June, 1904.

Ser. No. 229,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL VACCINE AND ANTITOXIN INSTITUTE, Washington, D. C. Filed Apr. 6, 1926.

L. A.

Particular description of goods.—Culture of Lactobacilli for Medicinal Use in Gastrointestinal Disorders and Similar Uses.

Claims use since Mar. 4, 1926.

Ser. No. 229,770. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Apr. 7, 1926.

EIDERDOWN

Particular description of goods.—Lead Pencils.

Claims use since Mar. 15, 1926.

Ser. No. 229,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD G. BINZ COMPANY, Los Angeles, Calif. Filed Apr. 7, 1926.

Eucaloids

Particular description of goods.—Eucalyptus Oil Contained in Capsules or Globules of Gelatin.

Claims use since January, 1905.

Ser. No. 229,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FRESHIE CO. INC., New York, N. Y. Filed Apr. 7, 1926.

LEANUPS

Particular description of goods.—Cleansing-Cream Paper.

Claims use since Mar. 12, 1926.

Ser. No. 229,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL SEAFOODS CORPORATION, Gloucester, Mass. Filed Apr. 7, 1926.

SEA LOAF

Particular description of goods.—Fresh Fish and Fresh Fish Flesh.

Claims use since Mar. 8, 1926.

Ser. No. 229,797. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HOOVER COMPANY, North Canton, Ohio. Filed Apr. 7, 1926.

Particular description of goods.—Electric Suction Sweepers.

Claims use since Mar. 1, 1926.

Ser. No. 229,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORIZA L. LEGRAND, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 7, 1926. Under ten-year proviso.

ORIZA-L. LEGRAND

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Eau de Cologne, and Lotion for the Skin and Hair.

Claims use since Jan. 1, 1850.

Ser. No. 229,810. (CLASS 32. FURNITURE AND UPHOLSTERY.) NEWARK TORTOISE SHELL NOVELTY CO., Newark, N. J. Filed Apr. 7, 1926.

LA SUPREME

Particular description of goods.—Hand Mirrors and Picture Frames.
Claims use since July, 1925.

Ser. No. 229,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SATISFACTION COFFEE CO., Pittsburgh, Pa. Filed Apr. 7, 1926.

OUR PRIDE

Particular description of goods.—Tea and Coffee.
Claims use since June 1, 1925.

Ser. No. 229,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SATISFACTION COFFEE CO., Pittsburgh, Pa. Filed Apr. 7, 1926.

Country Gentleman

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1926.

Ser. No. 229,860. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KELLY-SPRINGFIELD TIRE COMPANY, New York, N. Y. Filed Apr. 8, 1926.

BUCKEYE CORD

No claim is made to the exclusive use of the word "Cord" shown in the accompanying drawing.
Particular description of goods.—Solid and Pneumatic Tires and Inflatable Inner Tubes of Rubber Used on Automobiles and Other Vehicles.
Claims use since about 1902.

Ser. No. 229,877. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 8, 1926.

CAD-A-LOY

Particular description of goods.—Nonferrous Alloys Containing Various Proportions of Cadmium, Mercury, and Zinc.
Claims use since Mar. 22, 1926.

Ser. No. 229,878. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Apr. 8, 1926.

DURBAR

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Mar. 1, 1926.

Ser. No. 229,882. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SWEDISH IRON & STEEL CORPORATION, Brooklyn, N. Y. Filed Apr. 8, 1926.

"DAMORA"

Particular description of goods.—Steel and Steel-Alloy Bars, Billets, Disks, Rings, and Tool-Steel Parts.
Claims use since Dec. 31, 1925.

Ser. No. 229,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TROGG-SHAW CO., Youngstown, Ohio. Filed Apr. 8, 1926.

MAY BELLE

Particular description of goods.—Cream Cheese, Butter, Eggs, and Canned Evaporated Milk.
Claims use since February, 1918.

Ser. No. 229,887. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill. Filed Apr. 8, 1926.

Petite

"Petite."
Particular description of goods.—Hair Nets.
Claims use since Feb. 26, 1926.

Ser. No. 229,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARSON PIRIE SCOTT & Co., Chicago, Ill. Filed Apr. 9, 1926.

Pitter Patter Prints

No exclusive claim is made to the word "Prints" apart from the mark shown.
Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 1, 1926.

Ser. No. 229,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GALEN LABORATORIES, INC., Buffalo, N. Y. Filed Apr. 9, 1926.

Sanodyne

Particular description of goods.—Analgesic and Counter-Irritant Salve or Ointment for Local Applications.
Claims use since Dec. 15, 1922.

Ser. No. 229,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLD STAR CO., Minneapolis, Minn. Filed Apr. 9, 1926.

GOLD STAR

Particular description of goods.—Insecticides.
Claims use since Apr. 2, 1926.

Ser. No. 229,915. (CLASS 39. CLOTHING.) JULIUS JACOBSON, New York, N. Y. Filed Apr. 9, 1926.

Clubhouse Frocks

Applicant disclaims the use of the word "Frocks" apart from the mark shown.
Particular description of goods.—Children's, Women's, and Misses' Dresses.
Claims use since Feb. 15, 1926.

Ser. No. 229,918. (CLASS 39. CLOTHING.) BENJAMIN KASS, New York, N. Y. Filed Apr. 9, 1926.

Gloriousform

Particular description of goods.—Corsets and Brassières.
Claims use since Apr. 2, 1926.

Ser. No. 229,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN-MAN CHOCOLATES COMPANY, Boston, Mass. Filed Apr. 9, 1926.

'ROUN-TOWN'

Particular description of goods.—Candy.
Claims use since Mar. 6, 1926.

Ser. No. 229,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD WHITNEY, Redlands, Calif. Filed Apr. 9, 1926.

RED MULE

Particular description of goods.—Fresh Citrous Fruit.
Claims use since Mar. 29, 1926.

Ser. No. 229,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. W. WOOLFOLK COMPANY, INC., Fort Valley, Ga. Filed Apr. 9, 1926.

NUTONEX

Particular description of goods.—Sulphur.
Claims use since July, 1925.

Ser. No. 229,958. (CLASS 39. CLOTHING.) GREENWALD, FRIEDMAN & Co., INC., New York, N. Y. Filed Apr. 10, 1926.

JeRay

Particular description of goods.—Tailor-Made Dresses.
Claims use since about Oct. 1, 1925.

Ser. No. 229,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. MOORE, doing business as Moore Mfg. Co., Wetumka and Tulsa, Okla. Filed Apr. 10, 1926.

INFERNO

"Inferno."

Particular description of goods.—Ant Exterminator.
Claims use since Mar. 27, 1926.

Ser. No. 229,981. (CLASS 37. PAPER AND STATIONERY.) PERRY & COMPANY, LIMITED, Birmingham, England. Filed Apr. 10, 1926. Under ten-year proviso.

PERRY & Co's Universal School Pens.

Particular description of goods.—Metallic Pens.
Claims use since 1859.

Ser. No. 230,023. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NICHOLAS ERNSTER, Cambridge, Mass. Filed Apr. 12, 1926.

ERCOLIN

Particular description of goods.—Hay-Fever Remedies.
Claims use since Apr. 1, 1926.

Ser. No. 230,068. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VICTOR TALKING MACHINE COMPANY, Camden, N. J. Filed Apr. 13, 1926.

Victor

Particular description of goods.—Talking Machines and Parts Thereof.
Claims use since December, 1900.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 18, 1926.

212,866. NONALCOHOLIC, MALTLESS BEVERAGE USED AS A SOFT DRINK; EXTRACTS AND SIRUPS FOR MAKING SAME. ABRAHAM KANNER, doing business as Globe Bottling Co., Los Angeles, Calif.
Filed September 25, 1925. Serial No. 220,783. PUBLISHED MARCH 2, 1926.

212,867. LIQUID USED IN THE TREATMENT OF INFLUENZA, GRIPPE, AND SEVERE COLDS. AMERICAN ARLESHEIM LABORATORIES INC., New York, N. Y.
Filed September 24, 1925. Serial No. 220,698. PUBLISHED FEBRUARY 23, 1926.

212,868. CHOCOLATE CANDY. BISHOP & COMPANY, Los Angeles, Calif.
Filed September 22, 1925. Serial No. 220,593. PUBLISHED MARCH 2, 1926.

212,869. BIMONTHLY PUBLICATION. NED PINES, New York, N. Y.
Filed September 19, 1925. Serial No. 220,463. PUBLISHED FEBRUARY 23, 1926.

212,870. CIGARS. SCHLOSS & KAHN GROCERY CO., Montgomery, Ala.
Filed August 10, 1925. Serial No. 218,669. PUBLISHED MARCH 2, 1926.

212,871. CLOTH OR PAPER BACKED ABRASIVES. BAEDER ADAMSON COMPANY, Boston, Mass.
Filed August 10, 1925. Serial No. 218,591. PUBLISHED FEBRUARY 23, 1926.

212,872. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ARCHIE M. PRATT, Redlands, Calif.
Filed September 25, 1925. Serial No. 220,800. PUBLISHED MARCH 2, 1926.

212,873. SANDWICHES. CHARLES V. COWAN, Sacramento, Calif.
Filed July 28, 1925. Serial No. 218,002. PUBLISHED MARCH 2, 1926.

212,874. DRY CLEANSERS. CARL L. NORRIS, Seattle, Wash.
Filed July 27, 1925. Serial No. 217,951. PUBLISHED FEBRUARY 23, 1926.

212,875. BATH SOAP. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 27, 1925. Serial No. 216,528. PUBLISHED FEBRUARY 23, 1926.

212,876. FLOUR COMPOSED OF OATS AND WHEAT. CHARLES ELMER TAYLOR, El Dorado, Ark.
Filed July 8, 1925. Serial No. 217,054. PUBLISHED MARCH 2, 1926.

212,877. SOAP AND SOAP POWDER. FITZPATRICK BROS., Chicago, Ill.
Filed March 25, 1925. Serial No. 211,586. PUBLISHED JULY 7, 1925.

212,878. MEDICINAL SALINE PREPARATION FOR HUMAN USE. J. C. ENO, LIMITED, London, Eng.
Filed October 21, 1925. Serial No. 222,065. PUBLISHED MARCH 2, 1926.

212,879. RADIO LOUD SPEAKERS AND PHONOGRAPH ADAPTER UNITS. AIREX MANUFACTURING COMPANY, Seattle, Wash.
Filed October 13, 1925. Serial No. 221,656. PUBLISHED MARCH 2, 1926.

212,880. IRONING MACHINES. THE UTENSILS COMPANY, Fort Wayne, Ind.
Filed September 5, 1925. Serial No. 219,921. PUBLISHED MARCH 2, 1926.

212,881. WATCH MOVEMENTS AND PARTS OF WATCHES. GUERRIN, BOURQUIN & CIE. FABRIQUE D'EBRAUCHES AURORE À VILLERET, Villeret, Switzerland.
Filed October 6, 1925. Serial No. 221,315. PUBLISHED MARCH 2, 1926.

212,882. MACARONI, TOMATO PASTE, CANNED TOMATOES, CANNED FRUITS AND VEGETABLES, AND MALT SIRUP FOR FOOD PURPOSES. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn.
Filed June 22, 1925. Serial No. 216,155. PUBLISHED MARCH 2, 1926.

212,883. CANDY. VOGAN CANDY COMPANY, Portland, Oreg.
Filed May 29, 1925. Serial No. 215,110. PUBLISHED JULY 14, 1925.

212,884. CANNED VEGETABLES, CANNED FRUIT, CANNED FISH, CATCHUP, FRUIT PRESERVES, PIE FILLERS, CAKE FILLERS, DRIED FRUITS, AND COCOA PREPARATION CONSISTING OF A COMBINATION OF COCOA AND OTHER INGREDIENTS WHICH MIXED WITH WATER AND BOILED WILL PRODUCE CHOCOLATE PUDDING AND DESSERTS AS WELL AS CHOCOLATE PIE FILLING, AND MINCEMEAT. JABURG BROS. INC., New York, N. Y.
Filed May 14, 1925. Serial No. 214,323. PUBLISHED MARCH 2, 1926.

212,885. METAL FASTENERS FOR FOOTWEAR, LEGGINGS, AND GAITERS. CECIL DEARDEN NIXON, London, Eng.
Filed January 12, 1925. Serial No. 208,005. PUBLISHED MARCH 2, 1926.

212,886. PREPARED FOOD, CONSISTING OF A COMBINATION OF OATS AND BRAN. KELLOGG COMPANY, Battle Creek, Mich.
Filed December 13, 1924. Serial No. 206,670. PUBLISHED MARCH 2, 1926.

212,887. ICE CREAMS AND SHERBETS. PANGBURN COMPANY, Forth Worth, Tex.
Filed August 1, 1925. Serial No. 218,271. PUBLISHED MARCH 2, 1926.

212,888. COTTON AND COTTON AND ARTIFICIAL-SILK PIECE GOODS. MILLS & GIBB CORP., New York, N. Y.
Filed August 20, 1925. Serial No. 219,131. PUBLISHED MARCH 2, 1926.

212,889. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,887. PUBLISHED MARCH 2, 1926.

212,890. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,383. PUBLISHED MARCH 2, 1926.

212,891. MUSICAL INSTRUMENTS AND SUPPLIES, SPECIFICALLY PHONOGRAPHS AND PARTS THEREOF. THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y.
Filed September 2, 1925. Serial No. 219,683. PUBLISHED MARCH 2, 1926.

212,892. ADAPTER UNITS FOR RADIO RECEIVING SETS FOR CONVERTING A RECEIVING SET INTO A SUPERHETERODYNE. RADIO EQUIPMENT COMPANY, East Cleveland, Ohio.
Filed September 1, 1925. Serial No. 219,645. PUBLISHED MARCH 2, 1926.

212,893. RADIO APPARATUS, COMPRISING RADIO RECEIVING SETS, LOUD SPEAKERS, ALTERNATING-CURRENT RECTIFIERS, AND ELECTRICAL FILTERS FOR BATTERY ELIMINATORS, AND PARTS THEREOF. AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass.
Filed August 31, 1925. Serial No. 219,569. PUBLISHED MARCH 2, 1926.

212,894. ELECTRIC AIR HEATERS. WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed August 21, 1925. Serial No. 219,214. PUBLISHED MARCH 2, 1926.

212,895. RADIO RECEIVING SETS, LOUD SPEAKERS, ANTENNÆ, TRANSFORMERS, INDUCTION COILS, TUBE SOCKETS, RESISTANCE UNITS, RHEOSTATS, CONDENSERS AND LOADING COILS, CHOKE COILS, INDUCTANCES, AND RESISTANCE DEVICES, INDUCTIVE AND NONINDUCTIVE. REICHMANN COMPANY, Chicago, Ill.
Filed July 27, 1925. Serial No. 217,962. PUBLISHED MARCH 2, 1926.

212,896. CLUTCH FACINGS, BRAKE LININGS, AND BUSHINGS AND WASHERS FOR WATER-TIGHT AND GAS-TIGHT CONNECTIONS. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,814. PUBLISHED FEBRUARY 2, 1926.

212,897. ELECTRIC ACCUMULATORS AND ACCUMULATOR BOXES. WALTER HADDON, London, England.
Filed June 29, 1925. Serial No. 216,597. PUBLISHED MARCH 2, 1926.

212,898. UKULELES, BANJOS, MANDOLINS, GUITARS, AND BANJO UKULELES. C. BRUNO & SON, INC., New York, N. Y.
Filed June 29, 1925. Serial No. 216,587. PUBLISHED MARCH 2, 1926.

212,899. OINTMENT FOR THE TREATMENT OF PILES. LYNN L. BUNNELL, doing business as Bunnell's Pharmacy, Norwood, Cincinnati, Ohio.
Filed May 27, 1925. Serial No. 214,942. PUBLISHED AUGUST 25, 1925.

212,900. FRESH DECIDUOUS FRUITS. M. R. DEAN, Courtland, Calif.
Filed May 19, 1925. Serial No. 214,534. PUBLISHED MARCH 2, 1926.

212,901. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed May 13, 1925. Serial No. 214,249. PUBLISHED MARCH 2, 1926.

212,902. FRESH APPLES. ALMIRA ETTA FERGUSON, doing business as J. E. Ferguson, Hood River, Oreg.
Filed April 11, 1925. Serial No. 212,547. PUBLISHED MARCH 2, 1926.

212,903. PHONOGRAPHS. MAY WATERSON, doing business as The Sportrola Phonograph Manufacturing Company, New York, N. Y.
Filed March 5, 1925. Serial No. 210,593. PUBLISHED MARCH 2, 1926.

212,904. COLD CREAM, CLEANSING CREAM, FACE POWDER, AND ROUGE. JOHN BAALMANN, doing business as Baljon Co., San Francisco, Calif.
Filed February 9, 1925. Serial No. 209,269. PUBLISHED MARCH 2, 1926.

212,905. CIGARS. E. GOSS & COMPANY, San Francisco, Calif.
Filed January 19, 1925. Serial No. 208,291. PUBLISHED MARCH 2, 1926.

212,906. CANDY BARS. AMERICAN BEVERAGE & CANDY CO., also doing business as A. B. C. Candy Co., Tacoma, Wash.
Filed December 24, 1924. Serial No. 207,164. PUBLISHED MARCH 2, 1926.

212,907. ELECTRICALLY-HEATED FLATIRONS, WAFFLE MOLDS, AND TOASTERS. BRISTED MANUFACTURING COMPANY, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,509. PUBLISHED MARCH 2, 1926.

212,908. CERTAIN NAMED ELECTRICAL SUPPLIES. THE ELECTRIC RAILWAY EQUIPMENT COMPANY, Cincinnati, Ohio.
Filed June 13, 1924. Serial No. 198,512. PUBLISHED MARCH 2, 1926.

212,909. ADHESIVES IN POWDERED FORM TO WHICH A LIQUID IS TO BE ADDED FOR USE AND FOR THE SAID ADHESIVE IN ITS LIQUID FORM. MID-CONTINENT PRODUCTS COMPANY, Chicago, Ill.
Filed December 10, 1923. Serial No. 189,466. PUBLISHED FEBRUARY 23, 1926.

212,910. FOOD-FLAVORING COMPOUNDS. CITRUS PRODUCTS CO., Chicago, Ill.
Filed December 8, 1923. Serial No. 189,388. PUBLISHED MAY 6, 1924.

212,911. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO., INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,382. PUBLISHED MARCH 2, 1926.

212,912. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO., INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,381. PUBLISHED MARCH 2, 1926.

212,913. SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed November 9, 1925. Serial No. 223,044. PUBLISHED FEBRUARY 23, 1926.

212,914. CANNED VEGETABLES, CANNED FRUITS, OLIVES, FRUIT AND VEGETABLE PRESERVES, CATCHUP, CANNED FISH, SPICES, VINEGAR, SALAD DRESSING, PEANUT BUTTER, HORSERADISH, MACARONI, PICKLES, AND HONEY; CANNED SHELLFISH, TABLE OILS, TABLE SIRUPS, AND CHILI SAUCES. MANHATTAN WHOLESALE GROCERY COMPANY, INC., Providence, R. I.
Filed August 24, 1925. Serial No. 219,293. PUBLISHED MARCH 2, 1926.

212,915. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO., INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,388. PUBLISHED MARCH 2, 1926.

212,916. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,391. PUBLISHED MARCH 2, 1926.

212,917. TREATED METAL-POLISHING CLOTH. SAMUEL LEWIS, New York, N. Y.
Filed December 8, 1925. Serial No. 224,411. PUBLISHED FEBRUARY 23, 1926.

212,918. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 10, 1925. Serial No. 224,506. PUBLISHED MARCH 2, 1926.

212,919. FLAVORING EXTRACTS FOR FOOD PURPOSES. CRESCENT MANUFACTURING COMPANY, Seattle, Wash.
Filed December 18, 1925. Serial No. 224,860. PUBLISHED MARCH 2, 1926.

212,920. FRUIT CAKE, POTATO CHIPS, LAYER CAKES, ANGEL FOOD, CHOCOLATE-COVERED CAKE BARS, AND ICING-COVERED CAKE BARS. LEO SIMON, doing business as Natchez Baking Company, Natchez, Miss.
Filed December 18, 1925. Serial No. 224,882. PUBLISHED MARCH 2, 1926.

212,921. NONALCOHOLIC MALT SIRUP. FRED JOHN REYSZ, doing business as Evansville Tea & Coffee Co., Evansville, Ind.
Filed December 23, 1925. Serial No. 225,055. PUBLISHED MARCH 2, 1926.

212,922. TOILET PAPER. J. E. LINDE PAPER CO., New York, N. Y.
Filed December 28, 1925. Serial No. 225,280. PUBLISHED FEBRUARY 16, 1926.

212,923. PAILS, MILK CANS, PAILS AND STRAINERS, BREAD BOXES, CAKE BOXES, CANISTERS, FILLER CANS, METAL BASKETS, COAL HODS, GARBAGE CANS, ASH CANS, AND OIL CANS. REED MANUFACTURING CO., Newark, N. Y.
Filed December 29, 1925. Serial No. 225,282. PUBLISHED MARCH 2, 1926.

212,924. CIGARETTES. CAVANDER'S, LIMITED, London, England.
Filed January 5, 1926. Serial No. 225,505. PUBLISHED MARCH 2, 1926.

212,925. BUTTER, EGGS, VANILLA EXTRACT FOR FOOD-FLAVORING PURPOSES, RUSSIAN DRESSING, AND MAYONNAISE DRESSING. J. N. ADAM & CO., Buffalo, N. Y.
Filed December 10, 1924. Serial No. 206,503. PUBLISHED AUGUST 4, 1925.

212,926. TITLE FOR SPECIAL ARTICLES APPEARING IN VARIOUS PUBLICATIONS, SUCH AS NEWSPAPERS. CAROLINE ELIZABETH LANG, New York, N. Y.
Filed December 5, 1924. Serial No. 206,316. PUBLISHED FEBRUARY 23, 1926.

212,927. TOOTH BRUSHES. PLOUGH CHEMICAL COMPANY, Memphis, Tenn.
Filed January 19, 1925. Serial No. 208,311. PUBLISHED MARCH 2, 1926.

212,928. SOAPS. JOSEPH GUTRADT COMPANY, San Francisco, Calif.
Filed December 28, 1925. Serial No. 225,227. PUBLISHED MARCH 2, 1926.

212,929. SOAPS. JOSEPH GUTRADT COMPANY, San Francisco, Calif.
Filed December 29, 1925. Serial No. 225,264. PUBLISHED MARCH 2, 1926.

212,930. SOAP. RAY C. SANFORD, Franklin Grove, Ill.
Filed December 30, 1925. Serial No. 225,320. PUBLISHED MARCH 2, 1926.

212,931. INSECTICIDES. IVAN E. LANIER, doing business as Lauderdale Chemical Co., Fort Lauderdale, Fla.
Filed January 8, 1926. Serial No. 225,667. PUBLISHED FEBRUARY 23, 1926.

212,932. CANDY. THE BRADLEY, SMITH CO., New Haven, Conn.
Filed January 14, 1926. Serial No. 225,911. PUBLISHED MARCH 2, 1926.

212,933. BUFF WHEELS. WILLIAMSVILLE BUFF MANUFACTURING COMPANY, Danielson, Conn.
Filed December 24, 1925. Serial No. 225,154. PUBLISHED MARCH 2, 1926.

212,934. PEARL NECKLACES. TRIFARI & KRUSSMAN, INC., New York, N. Y.
Filed December 5, 1925. Serial No. 224,807. PUBLISHED MARCH 2, 1926.

212,935. PAPER PRODUCTS — NAMELY, PAPER CUPS, PAPER FOOD RECEPTACLES, AND PAPER DISHES. IDEAL CUP CORPORATION, Brooklyn, N. Y.
Filed December 12, 1925. Serial No. 224,605. PUBLISHED MARCH 2, 1926.

212,936. BELT DRESSING. WISCONSIN INCREASING POWER COMPANY, INC., New York, N. Y.
Filed December 16, 1925. Serial No. 224,793. PUBLISHED FEBRUARY 16, 1926.

212,937. RADIO ANTENNÆ. FEDERAL RADIO COMPANY LIMITED, Toronto, Ontario, Canada.
Filed December 4, 1925. Serial No. 224,289. PUBLISHED MARCH 2, 1926.

212,938. SOUNDPROOF MOUTHPIECE FOR TELEPHONES. MAX MEYERSON, doing business as Fibre Case & Novelty Co., New York, N. Y.
Filed December 1, 1925. Serial No. 224,145. PUBLISHED MARCH 2, 1926.

212,939. FRICTION TAPE. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass.
Filed November 27, 1925. Serial No. 223,893. PUBLISHED MARCH 2, 1926.

212,940. LIQUID PREPARATION FOR PRESERVING LEATHER. THE TERRY SALES AND MANUFACTURING COMPANY, Colorado Springs, Colo.
Filed November 23, 1925. Serial No. 223,751. PUBLISHED MARCH 9, 1926.

212,941. WATCHES. R. H. MACY & CO., INC., New York, N. Y.
Filed November 21, 1925. Serial No. 223,647. PUBLISHED MARCH 2, 1926.

212,942. WATCHES. R. H. MACY & CO., INC., New York, N. Y.
Filed November 21, 1925. Serial No. 223,646. PUBLISHED MARCH 2, 1926.

212,943. RADIO CONTROL MECHANISM, INDICATORS, DIALS, KNOBS, POINTERS, SOCKETS, RHEOSTATS, SWITCHES, AND PARTS THEREOF, CONDENSER PARTS, RESISTANCE-UNIT MOUNTINGS FORMED IN WHOLE OR IN PART FROM PHENOLIC-CONDENSATION MATERIALS. THE KURZ-KASCH COMPANY, Dayton, Ohio.
Filed November 20, 1925. Serial No. 223,585. PUBLISHED MARCH 2, 1926.

212,944. MOLDED ELECTRIC-LIGHT SOCKETS. MOLDED SOCKET CORPORATION, Newark, N. J.
Filed November 13, 1925. Serial No. 223,250. PUBLISHED MARCH 2, 1926.

212,945. RADIO APPARATUS—NAMELY, LOOP ANTENNÆ. ENGLISH-WHITMAN PRODUCTS, New York, N. Y.
Filed November 7, 1925. Serial No. 222,978. PUBLISHED MARCH 2, 1926.

212,946. UKULELES. LEONARDO NUNES, Los Angeles, Calif.
Filed November 5, 1925. Serial No. 222,866. PUBLISHED MARCH 2, 1926.

212,947. REEDS FOR WIND MUSICAL INSTRUMENTS, SUCH AS CLARINETS, OBOES, AND THE LIKE. SIMSON & FREY, INC., New York, N. Y.
Filed October 24, 1925. Serial No. 222,284. PUBLISHED MARCH 2, 1926.

212,948. MUSICAL INSTRUMENTS AND SUPPLIES, SPECIFICALLY PHONOGRAPHS AND PARTS THEREOF. THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y.
Filed September 2, 1925. Serial No. 219,684. PUBLISHED MARCH 2, 1926.

212,949. JUVENILE IRON, WOOD, AND ALL-STEEL COASTER AND EXPRESS WAGONS, CARS, AUTOMOBILES, VELOCIPEDES, TRICYCLES, BIKES, SCOOTERS, TOT-WALKERS, AND BARROWS. THE GENDRON WHEEL CO., Toledo, Ohio.
Filed June 22, 1925. Serial No. 216,169. PUBLISHED MARCH 2, 1926.

212,950. LITHOGRAPHED AND PRINTED DISPLAY CARDS. EINSON-FREEMAN CO., INCORPORATED, New York, N. Y.
Filed June 5, 1925. Serial No. 215,334. PUBLISHED FEBRUARY 23, 1926.

212,951. RUGS HAVING A FELT BASE OR IN THE NATURE OF LINOLEUM. R. H. MACY & CO., INC., New York, N. Y.
Filed April 23, 1925. Serial No. 213,181. PUBLISHED JUNE 30, 1925.

212,952. NOM DE PLUME FOR SPECIAL ARTICLES APPEARING IN VARIOUS PUBLICATIONS, SUCH AS NEWSPAPERS. CAROLINE E. LANG, New York, N. Y.
Filed December 5, 1924. Serial No. 206,317. PUBLISHED FEBRUARY 23, 1926.

212,953. STUFFED FIGURE TOYS AND BLANKS FROM WHICH TO FORM SUCH TOYS. TED MORTON CO. INC., New York, N. Y.
Filed March 30, 1923. Serial No. 178,351. PUBLISHED JUNE 16, 1925.

212,954. BREAKFAST FOOD. SCOTT H. PERRY, Batavia, N. Y.
Filed April 8, 1925. Serial No. 212,397. PUBLISHED MARCH 2, 1926.

212,955. FOUNTAIN PENS. POSTAL PEN COMPANY, INC., New York, N. Y.
Filed December 17, 1925. Serial No. 224,831. PUBLISHED FEBRUARY 16, 1926.

212,956. FOUNTAIN PENS. TRANSO-TANK PEN COMPANY, INC., New York, N. Y.
Filed December 17, 1925. Serial No. 224,845. PUBLISHED FEBRUARY 16, 1926.

212,957. FRINGES (TEXTILE). AMERICAN FRINGE MILLS, INC., New York, N. Y.
Filed December 18, 1925. Serial No. 224,856. PUBLISHED MARCH 2, 1926.

212,958. PERIODICAL PUBLISHED MONTHLY. THE BETTER BUSINESS BUREAU OF NEW YORK CITY, INCORPORATED, New York, N. Y.
Filed December 21, 1925. Serial No. 224,945. PUBLISHED FEBRUARY 23, 1926.

212,959. PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed December 21, 1925. Serial No. 224,975. PUBLISHED FEBRUARY 16, 1926.

212,960. TREATED CLOTH FOR POLISHING AUTOMOBILES AND FURNITURE. MRS. JEWELL THOMSEN, doing business as Interstate Manufacturing Company, Waco, Tex.
Filed December 22, 1925. Serial No. 225,044. PUBLISHED FEBRUARY 23, 1926.

212,961. LEAD PENCILS. J. S. STAEDTLER, INC., New York, N. Y.
Filed December 23, 1925. Serial No. 225,059. PUBLISHED FEBRUARY 16, 1926.

212,962. LEAD PENCILS. J. S. STAEDTLER, INC., New York, N. Y.
Filed December 23, 1925. Serial No. 225,062. PUBLISHED FEBRUARY 16, 1926.

212,963. LEAD PENCILS. J. S. STAEDTLER, INC., New York, N. Y.
Filed December 23, 1925. Serial No. 225,060. PUBLISHED FEBRUARY 16, 1926.

212,964. LEAD PENCILS. J. S. STAEDTLER, INC., New York, N. Y.
Filed December 23, 1925. Serial No. 225,063. PUBLISHED FEBRUARY 16, 1926.

212,965. BOOKS OF PLANS AND SPECIFICATIONS FOR BUILDINGS. BABY GRAND APARTMENTS COMPANY, Indianapolis, Ind.
Filed December 26, 1925. Serial No. 225,159. PUBLISHED FEBRUARY 23, 1926.

212,966. WEEKLY PUBLICATION. THE HOMESTEAD COMPANY, Des Moines, Iowa.
Filed December 26, 1925. Serial No. 225,191. PUBLISHED FEBRUARY 23, 1926.

212,967. LEAD PENCILS AND PENCIL PROTECTORS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed December 29, 1925. Serial No. 225,249. PUBLISHED FEBRUARY 16, 1926.

212,968. COFFEE. HOFFMANN-HAYMAN COFFEE COMPANY, San Antonio, Tex.
Filed December 29, 1925. Serial No. 225,262. PUBLISHED MARCH 2, 1926.

212,969. PAILS, MILK CANS, PAILS AND STRAINERS, BREAD BOXES, CAKE BOXES, CANISTERS, FILLER CANS, METAL BASKETS, COAL HODS, GARBAGE CANS, ASH CANS, AND OIL CANS. LISK MANUF'G CO. LIMITED, Canandaigua, N. Y.
Filed December 29, 1925. Serial No. 225,269. PUBLISHED MARCH 2, 1926.

212,970. ANNUAL PUBLICATION. SCIENTIFIC AMERICAN PUBLISHING CO., New York, N. Y.
Filed December 30, 1925. Serial No. 225,321. PUBLISHED FEBRUARY 23, 1926.

212,971. HOUSE ORGAN. ENTERPRISE OIL COMPANY, INC., Buffalo, N. Y.
Filed January 2, 1926. Serial No. 225,403. PUBLISHED FEBRUARY 23, 1926.

212,972. STEAM VALVES AND PARTS THEREOF. DRI-STEAM VALVE CORPORATION, New York, N. Y.
Filed January 7, 1926. Serial No. 225,598. PUBLISHED MARCH 2, 1926.

212,973. NEWSPAPER SECTION. SALLY HARBAUGH, Troy, N. Y.
Filed January 7, 1926. Serial No. 225,607. PUBLISHED FEBRUARY 23, 1926.

212,974. PERIODICAL PUBLICATION COMPRISING A SERIES OF MAPS. WILLIAM DENNIS SELF, Little Rock, Ark.
Filed January 8, 1926. Serial No. 225,681. PUBLISHED FEBRUARY 23, 1926.

212,975. COFFEE AND TEA. E. B. MILLAR & COMPANY, Chicago, Ill.
Filed January 11, 1926. Serial No. 225,795. PUBLISHED MARCH 2, 1926.

212,976. CANDY BAR. SHOTWELL MFG. CO., Chicago, Ill.
Filed January 11, 1926. Serial No. 225,808. PUBLISHED MARCH 2, 1926.

212,977. CANDY BAR. SHOTWELL MFG. CO., Chicago, Ill.
Filed January 11, 1926. Serial No. 225,809. PUBLISHED MARCH 2, 1926.

212,978. CANDY BAR. SHOTWELL MFG. CO., Chicago, Ill.
Filed January 11, 1926. Serial No. 225,810. PUBLISHED MARCH 2, 1926.

212,979. CRYSTALLIZED GINGER, STEM GINGER, PRESERVED GINGER, PRESERVED STEM GINGER, PRESERVED KUMQUATS, JELLY POWDER, GELATIN, GELATIN WINE JELLY; CANDY—NAMELY, FRUIT-FLAVORED TABLETS, JUJUBES, LICORICE DROPS, CLEAR GUMS, SPICE GUMS, AND GUMDROPS. E. C. RICH, INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,844. PUBLISHED MARCH 2, 1926.

212,980. CRYSTALLIZED GINGER, STEM GINGER, PRESERVED GINGER, PRESERVED STEM GINGER, PRESERVED KUMQUATS, JELLY POWDER, GELATIN, GELATIN WINE JELLY; CANDY—NAMELY, FRUIT-FLAVORED TABLETS, JUJUBES, LICORICE DROPS, CLEAR GUMS, SPICE GUMS, AND GUMDROPS. E. C. RICH, INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,846. PUBLISHED MARCH 2, 1926.

212,981. PERIODICAL. JOSEPH ADELMAN, doing business as Supreme Publishing Co., New York, N. Y.
Filed January 14, 1926. Serial No. 225,905. PUBLISHED FEBRUARY 23, 1926.

212,982. CHOCOLATE CANDIES. SAN-MAN CHOCOLATES CO., Boston, Mass.
Filed January 14, 1926. Serial No. 225,941. PUBLISHED MARCH 2, 1926.

212,983. MONTHLY PUBLICATION. BOB EDWARDS PUBLISHING CO., Minneapolis, Minn.
Filed January 15, 1926. Serial No. 225,949. PUBLISHED FEBRUARY 23, 1926.

212,984. SHREDDED CHOCOLATE. ROCKWOOD & CO., New York, N. Y.
Filed January 15, 1926. Serial No. 225,979. PUBLISHED MARCH 2, 1926.

212,985. SOAP. THE ARMAND COMPANY, Des Moines, Iowa.
Filed January 20, 1926. Serial No. 226,122. PUBLISHED MARCH 9, 1926.

212,986. TOILET SOAP AND SHAVING SOAP IN POWDERED FORM. KARLSRUHER PARFUMERIE- & TOILETTESEIFEN-FABRIK, F. WOLFF & SOHN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Karlsruhe, Germany.
Filed January 22, 1926. Serial No. 226,217. PUBLISHED MARCH 9, 1926.

212,987. COMPOUNDS FOR CLEANING THE HANDS AND THE LIKE; SHAVING SOAP IN CREAM, STICK, AND POWDER FORM; OUTFIT PACKAGES CONTAINING SOAP AND TOWEL; SOAP POWDER FOR BATHING, WASHING, AND CLEANING PURPOSES; LAUNDRY SOAPS, SOAP FLAKES, HAND SOAP, TOILET SOAP, SOAP PASTE, WASHING TABLETS, AND SHAMPOO SOAPS. JEAN MARTINAT, doing business as Les Parfumes des Courtisanes, New York, N. Y.
Filed October 2, 1925. Serial No. 221,130. PUBLISHED FEBRUARY 23, 1926.

212,988. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ARCHIE M. PRATT, Redlands, Calif.
Filed September 25, 1925. Serial No. 220,802. PUBLISHED MARCH 2, 1926.

212,989. TOOTH PASTE. ORPHOS CO., INC., New York, N. Y.
Filed September 28, 1925. Serial No. 220,914. PUBLISHED FEBRUARY 23, 1926.

212,990. LOZENGES TO BE TAKEN IN THE MOUTH FOR PURIFYING AND PRESERVING THE TEETH AND SWEETENING THE BREATH AND AIDING IN THE DIGESTION OF FOOD. CARL K. BERGEN, Philadelphia, Pa.
Filed September 30, 1925. Serial No. 220,990. PUBLISHED FEBRUARY 23, 1926.

212,991. COMPOUNDS FOR CLEANING THE HANDS AND THE LIKE; SHAVING SOAP IN CREAM, STICK, AND POWDER FORM; OUTFIT PACKAGES CONTAINING SOAP AND TOWEL; SOAP POWDER FOR BATHING, WASHING, AND CLEANING PURPOSES; LAUNDRY SOAPS, SOAP FLAKES, HAND SOAP, TOILET SOAP, SOAP PASTE, WASHING TABLETS, AND SHAMPOO SOAPS. JEAN MARTINAT, doing business as Les Parfumes Des Courtisanes, New York, N. Y.
Filed October 2, 1925. Serial No. 221,128. PUBLISHED FEBRUARY 23, 1926.

212,992. SWEEPING MIXTURE, SILVER-POLISHING CREAM, AND ALUMINUM-POLISHING CREAM. NATHAN BEER, doing business as Nab Mfg. Co., New York, N. Y.
Filed October 5, 1925. Serial No. 221,230. PUBLISHED FEBRUARY 23, 1926.

212,993. PERIODICAL. MASTER PLASTERERS ASSOCIATION OF SAN FRANCISCO, San Francisco, Calif.
Filed October 5, 1925. Serial No. 221,265. PUBLISHED FEBRUARY 23, 1926.

212,994. HOUSE ORGAN AND PERIODICAL. SUPERIOR PORTLAND CEMENT COMPANY, Seattle, Wash.
Filed October 12, 1925. Serial No. 221,645. PUBLISHED FEBRUARY 16, 1926.

212,995. BUTTER, EGGS, AND CHEESE. FRED L. HILMER COMPANY, San Francisco, Calif.
Filed October 13, 1925. Serial No. 221,664. PUBLISHED MARCH 2, 1926.

212,996. PRINTED ADVERTISING MATTER SOLD TO THE TRADE AS SUCH—NAMELY, FORM LETTERS, BOOKLETS, FOLDERS, BROADSIDES, AND LEAFLETS. KIER LETTER COMPANY, Chicago, Ill.
Filed October 22, 1925. Serial No. 222,126. PUBLISHED FEBRUARY 23, 1926.

212,997. PRINTED BOOKS PUBLISHED FROM TIME TO TIME. JOHN RUDIN & COMPANY, INC., Chicago, Ill.
Filed October 23, 1925. Serial No. 222,193. PUBLISHED FEBRUARY 23, 1926.

212,998. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. C. D. HUBBARD FRUIT CO., Carpinteria, Calif.
Filed October 24, 1925. Serial No. 222,251. PUBLISHED MARCH 2, 1926.

212,999. PRINTED MATTER—VIZ, CONTRACT FORMS SOLD TO BANKS AND SIMILAR FINANCIAL INSTITUTIONS. THOMAS R. FERGUSON, doing business as Thos. R. Ferguson and Co. (not Inc.), Chicago, Ill.
Filed October 26, 1925. Serial No. 222,316. PUBLISHED FEBRUARY 16, 1926.

213,000. DRY CLEANER. MACLEAN DRUG COMPANY, Chicago, Ill.
Filed October 31, 1925. Serial No. 222,621. PUBLISHED FEBRUARY 23, 1926.

213,001. SATEENS AND VENETIANS, BEING COTTON PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed November 10, 1925. Serial No. 223,079. PUBLISHED MARCH 2, 1926.

213,002. TOYS—VIZ, BABY RATTLES. IRWIN & CO., INC., New York, N. Y.
Filed November 10, 1925. Serial No. 223,093. PUBLISHED MARCH 2, 1926.

213,003. PREPARED MUSTARD AND CHOWCHOW SAUCE. CHARLES GULDEN, INC., New York, N. Y.
Filed November 17, 1925. Serial No. 223,438. PUBLISHED MARCH 2, 1926.

213,004. COLUMNS IN NEWSPAPERS. MAXSON FOXHALL JUDELL, New York, N. Y.
Filed November 18, 1925. Serial No. 223,477. PUBLISHED FEBRUARY 23, 1926.

213,005. WHEAT FLOUR. THE KANSAS FLOUR MILLS COMPANY, Wichita, Kans., and Alva, Okla.
Filed November 18, 1925. Serial No. 223,478. PUBLISHED FEBRUARY 23, 1926.

213,006. QUARTERLY MAGAZINES. AMERICAN FARMING PUBLISHING COMPANY, Chicago, Ill.
Filed November 24, 1925. Serial No. 223,758. PUBLISHED FEBRUARY 23, 1926.

213,007. DRY-CLEANING FLUIDS. D. BLUM & CO., New York, N. Y.
Filed November 30, 1925. Serial No. 223,998. PUBLISHED FEBRUARY 16, 1926.

213,008. SERIES OF CARTOONS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed December 2, 1925. Serial No. 224,074. PUBLISHED FEBRUARY 23, 1926.

213,009. SEAMLESS HOLLOW CYLINDERS, METAL CASINGS, METAL TUBING, METAL COILS, AND METAL COUPLINGS FOR METAL CASINGS, PIPING, TUBING, AND HOSE. HARRISBURG PIPE & PIPE BENDING CO., Harrisburg, Pa.
Filed December 4, 1925. Serial No. 224,246. PUBLISHED MARCH 2, 1926.

213,010. CANDY. LIBERTY CANDY CO., La Crosse, Wis. Filed December 4, 1925. Serial No. 224,252. PUBLISHED MARCH 2, 1926.

213,011. MONTHLY MAGAZINES. MARK C. COHN, San Francisco, Calif. Filed December 8, 1925. Serial No. 224,375. PUBLISHED FEBRUARY 23, 1926.

213,012. NEWSPAPER SECTION. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed December 15, 1925. Serial No. 224,718. PUBLISHED FEBRUARY 23, 1926.

213,013. CANDY. NATIONAL MINT COMPANY, Chicago, Ill. Filed December 16, 1925. Serial No. 224,777. PUBLISHED FEBRUARY 16, 1926.

213,014. CLASSIFIED BUYER'S GUIDE AND REFERENCE BOOK FOR AUTOMOTIVE DISTRIBUTORS, JOBBERS, DEALERS, GARAGES, SERVICE STATIONS, PARTS DISTRIBUTORS, ETC., INCLUDING A DIRECTORY OF TRADE ASSOCIATIONS; ALSO REPLACEMENT-DATA TABLES PUBLISHED QUARTERLY. CHILTON CLASS JOURNAL COMPANY, Philadelphia, Pa. Filed December 17, 1925. Serial No. 224,805. PUBLISHED FEBRUARY 23, 1926.

213,015. PERIODICAL PUBLISHED MONTHLY. CHILTON CLASS JOURNAL COMPANY, Philadelphia, Pa. Filed December 17, 1925. Serial No. 224,804. PUBLISHED FEBRUARY 23, 1926.

213,016. PERIODICAL PUBLISHED MONTHLY. CHILTON CLASS JOURNAL COMPANY, Philadelphia, Pa. Filed December 17, 1925. Serial No. 224,806. PUBLISHED FEBRUARY 23, 1926.

213,017. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif. Filed September 4, 1925. Serial No. 219,849. PUBLISHED MARCH 2, 1926.

213,018. DISPLAY SIGNS ON CARDBOARD AND PAPER, PICTURES, AND BOOKLET COVERS. YOUNG & MCCALLISTER, INC., Los Angeles, Calif. Filed August 17, 1925. Serial No. 219,020. PUBLISHED MARCH 9, 1926.

213,019. LESSON SHEETS, PAMPHLETS, AND BOOKLETS USED IN CONNECTION WITH A CORRESPONDENCE COURSE. CLIFFORD LEWIS, Washington, D. C. Filed August 19, 1925. Serial No. 219,076. PUBLISHED MARCH 9, 1926.

213,020. MONTHLY PRINTED PUBLICATION. THE AMERICAN WHOLESALE GROCERS' ASSOCIATION, Washington, D. C. Filed August 20, 1925. Serial No. 219,103. PUBLISHED MARCH 9, 1926.

213,021. MONTHLY PERIODICAL. PROGRESSIVE MERCHANTS BUREAU, New York, N. Y. Filed August 22, 1925. Serial No. 219,260. PUBLISHED MARCH 9, 1926.

213,022. BINDERS OR FILES AND HAND PUNCHING DEVICES. MODERN OFFICE DEVICES, INC., New York, N. Y. Filed September 3, 1925. Serial No. 219,754. PUBLISHED MARCH 9, 1926.

213,023. DENTAL POWDER FOR CLEANING DENTAL PLATES AND BRIDGES. VERNOY CHEMICAL COMPANY, Summit, N. J. Filed July 10, 1925. Serial No. 217,148. PUBLISHED MARCH 9, 1926.

213,024. SILK, GLAZED AND MERCERIZED SHOE LACES, SHOE RIBBONS, AND SHOE BUCKLES USED AS SHOE FASTENERS. PEDOX PRODUX, INC., New York, N. Y. Filed July 13, 1925. Serial No. 217,289. PUBLISHED MARCH 2, 1926.

213,025. CHARTS AND BOOKLETS. GENE GARDNER BECKHARDT, Brooklyn, N. Y. Filed July 18, 1925. Serial No. 217,537. PUBLISHED MARCH 9, 1926.

213,026. CLOTH - IDENTIFICATION FOLDERS. WATCH DOG IDENTIFICATION DEVICES, New York, N. Y. Filed July 27, 1925. Serial No. 217,972. PUBLISHED MARCH 9, 1926.

213,027. PRINTED GUMMED AND UNGUMMED EMBOSSED LABELS AND TAGS. WILLSON SPIELMANN LABEL CO., Chicago, Ill. Filed July 31, 1925. Serial No. 218,220. PUBLISHED MARCH 9, 1926.

213,028. PAPER FABRIC ADAPTED FOR SKIN-CLEANSING AND COSMETIC-REMOVING PURPOSES. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed August 11, 1925. Serial No. 218,695. PUBLISHED FEBRUARY 23, 1926.

213,029. FLAVORINGS AND COLORINGS FOR NON-ALCOHOLIC, MALTLESS DRINKS. J. F. LAZIER MANUFACTURING CO., St. Louis, Mo. Filed January 20, 1925. Serial No. 208,351. PUBLISHED MARCH 9, 1926.

213,030. GAS-GENERATING PLANTS AND PARTS THEREOF. ALBERT KREISA GESELLSCHAFT M. B. H., Vienna, Austria. Filed February 14, 1925. Serial No. 209,554. PUBLISHED FEBRUARY 23, 1926.

213,031. READY-CUT HOUSES. LEWIS MANUFACTURING CO., Bay City, Mich. Filed October 26, 1925. Serial No. 222,330. PUBLISHED MARCH 2, 1926.

213,032. STRAP HANGERS, PROPELLERS, WINDSHIELDS, AND PORTHOLE LIGHTS. BAKELITE CORPORATION, New York, N. Y. Filed October 28, 1925. Serial No. 222,426. PUBLISHED MARCH 2, 1926.

213,033. CREAM CANDIES. KIRBE BROTHERS COMPANY, Springfield, Mass. Filed October 12, 1925. Serial No. 221,621. PUBLISHED MARCH 9, 1926.

213,034. FRESH GRAPES. ULTRA FRUIT ASSOCIATION, Ultra, Calif. Filed October 5, 1925. Serial No. 221,294. PUBLISHED MARCH 9, 1926.

213,035. TAXICABS. JAMES A. HAYES, New York, N. Y. Filed September 11, 1925. Serial No. 220,127. PUBLISHED NOVEMBER 3, 1925.

213,036. ROOF TILING, FLOOR TILING, AND WALL TILING FOR BUILDING AND DECORATION OF A COMPOSITION RESEMBLING STONE AND BRICK. DEL MONTE PROPERTIES COMPANY, San Francisco, Calif. Filed September 11, 1925. Serial No. 220,114. PUBLISHED FEBRUARY 16, 1926.

213,037. COMPOUND FOR USE AS A CEMENT-SURFACE HARDENER. THE SULLIVAN COMPANY, Memphis, Tenn. Filed September 4, 1925. Serial No. 219,860. PUBLISHED FEBRUARY 16, 1926.

213,038. COATED TEXTILE MATERIAL TO BE USED FOR COVERING OR FOR LINING SUITCASES, LEATHER GOODS, BOXES, AND LIKE GOODS. C. R. WHITING CO., Newark, N. J. Filed August 20, 1925. Serial No. 219,157. PUBLISHED FEBRUARY 16, 1926.

213,039. PASTEBOARD, CARDBOARD BOXES, CARTONS, AND CONTAINERS. SEFTON MANUFACTURING CORPORATION, Chicago, Ill. Filed July 20, 1925. Serial No. 217,642. PUBLISHED MARCH 9, 1926.

213,040. UPHOLSTERY AND BEDDING STUFFING AND FILLING MATERIALS—NAMELY, BATTS, BURLAP, EXCELSIOR, FELT, FIBER, HAIR, HUSKS, KAPOK, LINTERS, MOSS, PACKING PADS, RATTAN, SEA GRASS, SHODDIES, TOW, TUFTS, WOOD WOOL, GARNETTED COTTON (COTTON SHODDIES), COTTON MATTRESS. BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass. Filed November 15, 1924. Serial No. 205,311. PUBLISHED FEBRUARY 23, 1926.

213,041. PLASTER. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed November 24, 1924. Serial No. 205,782. PUBLISHED FEBRUARY 23, 1926.

213,042. ARTIFICIAL-STONE PRODUCTS—NAMELY, BUILDING BLOCKS, DOOR AND WINDOW FRAMES, PIPING, AND MOLDED ORNAMENTAL CONCRETE ARTICLES. SAFFERT CEMENT CONSTRUCTION COMPANY, New Ulm, Minn. Filed December 10, 1924. Serial No. 206,543. PUBLISHED MARCH 2, 1926.

213,043. PLASTER LATH. BUTTONLATH MANUFACTURING CO., Los Angeles, Calif. Filed August 31, 1922. Serial No. 168,915. PUBLISHED FEBRUARY 16, 1926.

213,044. GRAPE, PEACH, LEMON, KOLA, VANILLA, CHERRY, STRAWBERRY, LIME, CHOCOLATE-FLAVORED BEVERAGES, ROOT BEER, GINGER ALE, AND COMPOUNDS AND SIRUPS FOR MAKING THE SAID BEVERAGES. JAMES C. MAYFIELD, doing business as Kriss Kringle Klub Company, Akron, Ohio. Filed February 27, 1924. Serial No. 192,919. PUBLISHED MARCH 9, 1926.

213,045. SHOE POLISH. IT SHOE POLISH CO., INC., Baltimore, Md. Filed January 22, 1926. Serial No. 226,248. PUBLISHED MARCH 9, 1926.

213,046. POLISHING PREPARATION FOR METALS. ALSAMO MANUFACTURING CO., Philadelphia, Pa. Filed January 23, 1926. Serial No. 226,273. PUBLISHED MARCH 9, 1926.

213,047. SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y. Filed October 18, 1924. Serial No. 204,083. PUBLISHED MARCH 9, 1926.

213,048. ALL-SILK WOVEN CLOTH IN THE PIECE. B. EDMUND DAVID, INC., New York, N. Y. Filed January 27, 1925. Serial No. 208,700. PUBLISHED MARCH 2, 1926.

213,049. THIN AND THICK DRAWING PAPER, TRACING PAPER, BOND AND OTHER WRITING PAPER, TISSUE PAPER, TISSUE PAPER PARTICULARLY FOR TYPEWRITING, AND CARDBOARD OF ALL COLORS. ZÜRCHER PAPIERFABRIK AN DER SIHL (Zurich Paper Mill on Sihl), Zurich, Switzerland. Filed May 11, 1925. Serial No. 214,196. PUBLISHED MARCH 9, 1926.

213,050. POLISHES ACTING AS DIRT AND GREASE REMOVERS AND CLEANING MATERIALS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 18, 1925. Serial No. 214,468. PUBLISHED MARCH 9, 1926.

213,051. MEN'S AND BOYS' COATS, VESTS, TROUSERS, AND OVERCOATS. B. KUPPENHEIMER & CO. INC., Chicago, Ill. Filed May 18, 1925. Serial No. 214,486. PUBLISHED NOVEMBER 10, 1925.

213,052. PENCIL AND INK WRITING PADS; MEMORANDUM AND ACCOUNT BOOKS; DIARIES. THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga. Filed June 8, 1925. Serial No. 215,478. PUBLISHED FEBRUARY 23, 1926.

213,053. WAX AND CHALK CRAYONS. STANDARD CRAYON MANUFACTURING CO., Danvers, Mass. Filed June 24, 1925. Serial No. 216,364. PUBLISHED MARCH 9, 1926.

213,054. RAISIN-TRAY PAPER. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a Corporation of Delaware. Filed July 10, 1925. Serial No. 217,134. PUBLISHED MARCH 9, 1926.

213,055. PASTEBOARD, CARDBOARD BOXES, CARTONS, AND CONTAINERS. SEFTON MANUFACTURING CORPORATION, Chicago, Ill. Filed July 20, 1925. Serial No. 217,641. PUBLISHED MARCH 9, 1926.

213,056 AUTOMOBILES AND PARTS THEREOF EXCEPT RUBBER BUMPERS. J. G. STERLING, Warren, Ohio. Filed July 15, 1925. Serial No. 217,425. PUBLISHED FEBRUARY 16, 1926.

213,057. GOLF CLUBS. WILLIAM GEORGE OKE, Fulwell, England. Filed April 4, 1925. Serial No. 212,196. PUBLISHED MARCH 16, 1926.

213,058. CIGARETTES. PAUL J. LIVADARY, Los Angeles, Calif. Filed April 2, 1925. Serial No. 212,090. PUBLISHED MARCH 9, 1926.

213,059. FRESH GRAPES. ULTRA FRUIT ASSOCIATION, Ultra, Calif. Filed October 5, 1925. Serial No. 221,293. PUBLISHED MARCH 9, 1926.

213,060. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Filed October 24, 1925. Serial No. 222,254. PUBLISHED MARCH 9, 1926.

213,061. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. VENTURA CITRUS ASSOCIATION, doing business as E. S. Barnard Co. Inc., Ventura, Calif. Filed October 24, 1925. Serial No. 222,294. PUBLISHED MARCH 9, 1926.

213,062. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. VENTURA CITRUS ASSOCIATION, Ventura, Calif. Filed October 24, 1925. Serial No. 222,295. PUBLISHED MARCH 9, 1926.

213,063. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. VENTURA CITRUS ASSOCIATION, Ventura, Calif. Filed October 24, 1925. Serial No. 222,296. PUBLISHED MARCH 9, 1926.

213,064. CONFECTIONERY SANDWICHES EACH CONSISTING OF TWO WINE CAKES WITH JELLY AND MARSHMALLOW TOPPING PLACED BETWEEN AND ICING AROUND THE EDGES. ROBERT L. LINK, Asheville, N. C. Filed November 7, 1925. Serial No. 222,986. PUBLISHED FEBRUARY 23, 1926.

213,065. LUBRICATING SPRING COVERS FOR AUTOMOBILES. WEFCO COMPANY, INC., New York, N. Y. Filed November 7, 1925. Serial No. 223,006. PUBLISHED FEBRUARY 16, 1926.

213,066. AUTOMOBILE VENTILATOR PROTECTORS THE PROTECT-A-VENT COMPANY, Des Moines, Ia. Filed November 19, 1925. Serial No. 223,544. PUBLISHED FEBRUARY 16, 1926.

213,067. FRESH CITROUS FRUITS. WALLS & TOPHAM, Lindsay, Calif.
Filed November 21, 1925. Serial No. 223,670. PUBLISHED MARCH 9, 1926.

213,068. AUTOMOTIVE VEHICLES INCLUDING AUTOMOBILES, TRUCKS, AND BUSSES AND TAXICABS AND THEIR COMPONENT PARTS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed November 16, 1925. Serial No. 223,408. PUBLISHED FEBRUARY 16, 1926.

213,069. AUTOMOTIVE VEHICLES INCLUDING AUTOMOBILES, TRUCKS, AND BUSSES AND TAXICABS AND THEIR COMPONENT PARTS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed November 16, 1925. Serial No. 223,407. PUBLISHED FEBRUARY 16, 1926.

213,070. READY-MIXED PAINTS AND ANTIFOULING COMPOSITIONS. EVERCLEAN ANTIFOULINGS LIMITED, Liverpool, England.
Filed March 10, 1924. Serial No. 193,511. PUBLISHED SEPTEMBER 15, 1925.

213,071. DRY COLORS, READY-MIXED PAINTS, COLORS GROUND IN OIL, WOOD FILLERS, AND VARNISHES. THE CHICAGO WHITE LEAD & OIL CO., Chicago, Ill.
Filed November 8, 1924. Serial No. 204,996. PUBLISHED JANUARY 27, 1925.

213,072. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, FRESH VEGETABLES; MELONS—NAMELY, CANTALOUPES. DENNEY & CO., Chicago, Ill.
Filed May 16, 1925. Serial No. 214,403. PUBLISHED MARCH 9, 1926.

213,073. FRESH GRAPES. G. M. KASPARIAN, Exeter, Calif.
Filed June 12, 1925. Serial No. 215,695. PUBLISHED MARCH 9, 1926.

213,074. LEATHER. UNWROUGHT SKINS, FURS, WOOL, AND TALLOW. J. KENNON & SONS PROPRIETARY, LIMITED, Richmond, near Melbourne, Victoria, Australia.
Filed July 1, 1925. Serial No. 216,733. PUBLISHED FEBRUARY 16, 1926.

213,075. TIRE ENAMEL, FLOOR OIL, AND ALUMINUM BRONZE, AUTO AND FURNITURE WAX POLISH, AND FLOOR WAX AND POLISH. SANFORD JOHNSON DALZELLE, doing business as Dalpo Products Company, Baltimore, Md.
Filed August 19, 1925. Serial No. 219,064. PUBLISHED MARCH 2, 1926.

213,076. AN APPARATUS FOR THE EXCHANGE OF HEAT. LA MONT CORPORATION, New York, N. Y.
Filed December 16, 1925. Serial No. 224,770. PUBLISHED FEBRUARY 23, 1926.

213,077. LACQUERS. THE CLEVELAND VARNISH COMPANY, Cleveland, Ohio.
Filed December 24, 1925. Serial No. 225,114. PUBLISHED FEBRUARY 23, 1926.

213,078. THERAPEUTIC LAMPS. BURDICK CABINET COMPANY, Milton, Wis.
Filed December 26, 1925. Serial No. 225,170. PUBLISHED FEBRUARY 16, 1926.

213,079. ENAMEL FINISH, LACQUER, AND VARNISH. THE "ARTO" MANUFACTURING COMPANY, INC., Hatfield, Pa.
Filed December 29, 1925. Serial No. 225,250. PUBLISHED MARCH 2, 1926.

213,080. CASEMENT WINDOWS, INCLUDING FRAMES AND SASHES. CRITTALL CASEMENT WINDOW COMPANY, Detroit, Mich.
Filed December 18, 1925. Serial No. 224,861. PUBLISHED FEBRUARY 23, 1926.

213,081. PAPER RECEPTACLES FOR DISPENSING CREAM, MILK, ICE CREAM, AND THE LIKE. ANGEL INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 7, 1926. Serial No. 225,582. PUBLISHED MARCH 9, 1926.

213,082. GIN. RED STAR YEAST AND PRODUCTS CO., Milwaukee, Wis.
Filed January 20, 1926. Serial No. 226,162. PUBLISHED MARCH 9, 1926.

213,083. WHISKY. PHILIP BLUM & COMPANY, INCORPORATED, Chicago, Ill.,
Filed January 29, 1926. Serial No. 226,601. PUBLISHED MARCH 9, 1926.

213,084. EATING CHOCOLATES MOLDED IN FANCY SHAPES. GEO. HAAS & SONS, San Francisco, Calif.
Filed July 17, 1923. Serial No. 183,337. PUBLISHED MARCH 9, 1926.

213,085. HAM, SKINNED HAM, BOILED HAM, PICNICS, BACON, BACON BELLIES, SLICED BACON, HOG BRAINS, PICKLED PIGS' HEARTS, PICKLED PIGS' FEET, SAUSAGE, AND LARD. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed October 27, 1924. Serial No. 204,473. PUBLISHED MARCH 9, 1926.

213,086. SALTED PISTACHIO NUTS. NORIAN TRADING CO. INC., Cambridge, Mass.
Filed March 30, 1925. Serial No. 211,864. PUBLISHED MARCH 9, 1926.

213,087. TENTS. MARY L. VANDERHERCHEN, doing business as Wm. H. Vanderherchen, Philadelphia, Pa.
Filed April 10, 1925. Serial No. 212,519. PUBLISHED FEBRUARY 16, 1926.

213,088. BLACKBOARDS. BECKLEY-CARDY COMPANY, Chicago, Ill.
Filed May 29, 1925. Serial No. 215,115. PUBLISHED FEBRUARY 16, 1926.

213,089. MALT SIRUP FOR FOOD PURPOSES. KOFFMAN & BLUMENAU, Bay City, Mich.
Filed June 27, 1925. Serial No. 216,546. PUBLISHED OCTOBER 13, 1925.

213,090. FRESH GRAPES. JOHN AQUINO, INC., New York, N. Y.
Filed June 29, 1925. Serial No. 216,576. PUBLISHED MARCH 9, 1926.

213,091. WALL PAPERS. NATIONAL CLOAK & SUIT CO., New York, N. Y.
Filed December 19, 1925. Serial No. 224,924. PUBLISHED MARCH 9, 1926.

213,092. WALL PAPER. JANEWAY & CARPENDER, INC., Highland Park, N. J.
Filed December 22, 1925. Serial No. 225,016. PUBLISHED MARCH 9, 1926.

213,093. SOAP. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed December 26, 1925. Serial No. 225,194. PUBLISHED MARCH 9, 1926.

213,094. WALL PAPER. THE ROBERT GRIFFIN COMPANY, Jersey City, N. J.
Filed December 30, 1925. Serial No. 225,319. PUBLISHED MARCH 9, 1926.

213,095. WRAPPING PAPER. WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass.
Filed December 31, 1925. Serial No. 225,390. PUBLISHED MARCH 9, 1926.

213,096. HAND CLEANERS. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed January 4, 1926. Serial No. 225,498. PUBLISHED MARCH 9, 1926.

213,097. SHOE POLISH AND LEATHER CLEANER. NORTH AMERICAN ANOLIN CORPORATION, Little Falls, N. Y.
Filed January 5, 1926. Serial No. 225,519. PUBLISHED MARCH 9, 1926.

213,098. PRINTED BOOKS, PAMPHLETS, AND CIRCULARS. AMERICAN FEDERATION OF LABOR, Washington, D. C.
Filed January 6, 1926. Serial No. 225,537. PUBLISHED MARCH 9, 1926.

213,099. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif.
Filed July 6, 1925. Serial No. 216,915. PUBLISHED MARCH 9, 1926.

213,100. CANNED SALMON. ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash.
Filed July 14, 1925. Serial No. 217,318. PUBLISHED MARCH 9, 1926.

213,101. HEARTS OF FRESH ARTICHOKES PRESERVED IN OLIVE OIL, BRINE, PICKLE, OR PLAIN WATER. DAVENPORT CANNING CO., Davenport, Calif.
Filed August 20, 1925. Serial No. 219,111. PUBLISHED MARCH 9, 1926.

213,102. NARROW ELASTIC BRAID. RHODE ISLAND WEB COMPANY, Pawtucket, R. I.
Filed December 14, 1925. Serial No. 224,673. PUBLISHED MARCH 2, 1926.

213,103. PRINTING, WRITING, AND LEDGER PAPER; LEAD PENCILS, CRAYONS, PENS, PENHOLDERS, LETTER FILES, ACCOUNT BOOKS, BLANK BOOKS, NOTEBOOKS, GUMMED PAPER, PAPER CLIPS, MAILING ENVELOPES. JEAN DIEUX, Paris, France.
Filed December 16, 1925. Serial No. 224,748. PUBLISHED MARCH 9, 1926.

213,104. PERIODICAL PUBLISHED MONTHLY. CHILTON CLASS JOURNAL COMPANY, Philadelphia, Pa.
Filed December 17, 1925. Serial No. 224,807. PUBLISHED MARCH 9, 1926.

213,105. BIRD BATHS. ADAH BYERS, New York, N. Y.
Filed January 8, 1926. Serial No. 225,644. PUBLISHED MARCH 9, 1926.

213,106. GRAPE JUICE. ITALIAN-SWISS COLONY, San Francisco, Calif.
Filed December 14, 1925. Serial No. 224,662. PUBLISHED MARCH 16, 1926.

213,107. BARRIERS FOR ELECTRIC CONDUCTORS AND APPARATUS, SLABS FOR PARTITION WALLS, AND BUS AND SWITCH CELL STRUCTURES, DOORS, AND COVERS. DECELECO, INC., Detroit, Mich.
Filed December 15, 1925. Serial No. 224,695. PUBLISHED FEBRUARY 16, 1926.

213,108. WEATHER STRIPS. FILARDI BROS., White Plains, N. Y.
Filed December 15, 1925. Serial No. 224,700. PUBLISHED FEBRUARY 16, 1926.

213,109. LEATHER CLOTH. NOBEL INDUSTRIES, LIMITED, London, England.
Filed November 25, 1925. Serial No. 223,861. PUBLISHED FEBRUARY 16, 1926.

213,110. CANDY. POWELL'S, New York, N. Y.
Filed December 15, 1925. Serial No. 224,722. PUBLISHED MARCH 9, 1926.

213,111. CANDY AND CHEWING GUM. CLARENCE H. FLINT, Brooklyn, N. Y., assignor to General Chewing Gum Corporation, Brooklyn, N. Y.
Filed December 19, 1925. Serial No. 224,908. PUBLISHED MARCH 9, 1926.

213,112. TRAILERS. NUTTING TRUCK CO., Faribault, Minn.
Filed December 9, 1925. Serial No. 224,470. PUBLISHED FEBRUARY 16, 1926.

213,113. REAR-VIEW MIRRORS FOR VEHICLES. HIDE LEATHER & BELTING COMPANY, Indianapolis, Ind.
Filed December 21, 1925. Serial No. 224,970. PUBLISHED FEBRUARY 23, 1926.

213,114. MARMALADE. JOSEPH E. SEE, doing business as The Tanjora Company, New York, N. Y.
Filed December 24, 1925. Serial No. 225,145. PUBLISHED MARCH 9, 1926.

213,115. APPLES AS A NATURAL EDIBLE FRUIT. HERBERT BUTTON, Cazenovia, N. Y.
Filed January 7, 1926. Serial No. 225,587. PUBLISHED MARCH 9, 1926.

213,116. CONCENTRATED FRUIT JUICES FOR MAKING OF JELLIES, FRUIT PECTIN FOR JELLIES. GEORGE Z. WAIT, doing business as George Z. Wait Co., Sacramento, Calif.
Filed January 25, 1926. Serial No. 226,391. PUBLISHED MARCH 9, 1926.

213,117. TANNED OR RAW SKINS. WENCESLAUS STEVENS, New York, N. Y., and Naples, Italy.
Filed December 9, 1925. Serial No. 224,484. PUBLISHED FEBRUARY 16, 1926.

213,118. SANITARY MATTRESS-PROTECTING SHIELD. HARRY A. COPELAND, Philadelphia, Pa.
Filed December 10, 1925. Serial No. 224,500. PUBLISHED FEBRUARY 16, 1926.

213,119. MALTLESS, NONALCOHOLIC BEVERAGES COMPOSED OF FRUIT JUICES AND CARBONATED WATER. ALEXANDER F. ARMSTRONG, doing business as The Pumelo Company, Ithaca, N. Y.
Filed December 14, 1925. Serial No. 224,643. PUBLISHED MARCH 9, 1926.

213,120. SORGHUM SIRUP BLENDED WITH CORN SIRUP. WALTER BLAIR RODDENBERY, Cairo, Ga.
Filed November 16, 1925. Serial No. 223,415. PUBLISHED FEBRUARY 23, 1926.

213,121. AUTOMOBILE TOPS AND SIDE CURTAINS. PERFECT FIT MANUFACTURING CO., Portland, Oreg.
Filed November 14, 1925. Serial No. 223,323. PUBLISHED FEBRUARY 23, 1926.

213,122. SAUCES—NAMELY, CHILI. J. C. MULLINS & CO., Los Angeles, Calif.
Filed October 17, 1924. Serial No. 204,042. PUBLISHED FEBRUARY 17, 1925.

213,123. LIME FOR BUILDING PURPOSES. THE CONNECTICUT LIME CO., Canaan, Conn.
Filed October 13, 1925. Serial No. 222,599. PUBLISHED FEBRUARY 16, 1926.

213,124. MEMORANDUM BOOKS, DIARIES, CALENDAR PADS, AND CALENDAR SHEETS. BANKERS PRINTING COMPANY, San Francisco, Calif.
Filed January 16, 1926. Serial No. 225,991. PUBLISHED MARCH 9, 1926.

213,125. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed January 14, 1926. Serial No. 225,929. PUBLISHED MARCH 9, 1926.

213,126. FRESH, FROZEN, SMOKED, CANNED, SALTED, PICKLED, AND DRIED FISH. MARITIME FISH CORPORATION, LIMITED, Montreal, Quebec, Canada.
Filed September 21, 1925. Serial No. 220,550. PUBLISHED MARCH 2, 1926.

213,127. FANCY SHIRRED ELASTIC AND NARROW BRAID ELASTIC. ISIDOR GOLDBERG, doing business as National Garter Co., New York, N. Y.
Filed October 16, 1925. Serial No. 221,815. PUBLISHED MARCH 2, 1926.

213,128. MONTHLY MAGAZINES. EARL ROY KAUFMAN, San Francisco, Calif.
Filed October 17, 1925. Serial No. 221,902. PUBLISHED MARCH 9, 1926.

213,129. FOUNTAIN PENS, PEN BARRELS, PENHOLDERS, PENCILS, LETTER OPENERS, PAPER WEIGHTS, INKSTANDS, LOOSE-LEAF BINDERS, RUBBER-STAMP HANDLES, CALENDAR STANDS, AND PAPER CUTTERS. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,431. PUBLISHED FEBRUARY 23, 1926.

213,130. ANTIPASTO. FRATELLI GAROSCI DI GIO, Turin, Italy.
Filed November 2, 1925. Serial No. 222,671. PUBLISHED MARCH 2, 1926.

213,131. TOILET SOAP CONTAINING IODINE. LILY DON, Detroit, Mich.
Filed November 3, 1925. Serial No. 222,783. PUBLISHED MARCH 9, 1926.

213,132. TOILET PAPER. PAPER SERVICE CO., INC., Hinsdale, N. H.
Filed November 3, 1925. Serial No. 222,758. PUBLISHED MARCH 9, 1926.

213,133. NAME AND TITLE OF A MONTHLY MAGAZINE. WALTER W. HUBBARD, New York, N. Y.
Filed November 13, 1925. Serial No. 223,242. PUBLISHED MARCH 9, 1926.

213,134. WRAPPING PAPER. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif., assignor to Crown Willamette Paper Company, San Francisco, Calif., a Corporation of Delaware.
Filed December 3, 1925. Serial No. 224,180. PUBLISHED MARCH 9, 1926.

213,135. A FRONT WALL ATTACHMENT FOR WOOD-BURNING FIREPLACES AND GRATES FOR WOOD AND COAL BURNING STOVES AND FURNACES. JAMES R. FISK, El Paso, Tex.
Filed November 3, 1925. Serial No. 222,737. PUBLISHED FEBRUARY 23, 1926.

213,136. WRITING PAPER. BYRON WESTON COMPANY, Dalton, Mass.
Filed January 22, 1926. Serial No. 226,227. PUBLISHED MARCH 9, 1926.

213,137. SAMPLE-DISPLAY CARDS. HARRY L. KALISH, New York, N. Y.
Filed January 26, 1926. Serial No. 226,428. PUBLISHED MARCH 9, 1926.

213,138. WALL PAPER. BARCK WALL PAPER CO., Brooklyn, N. Y.
Filed January 27, 1926. Serial No. 226,466. PUBLISHED MARCH 9, 1926.

213,139. WRITING PAPER. BYRON WESTON COMPANY, Dalton, Mass.
Filed January 27, 1926. Serial No. 226,472. PUBLISHED MARCH 9, 1926.

213,140. TELEPHONE-BOOK COVERS. CLARENCE ARTHUR CRANE, Cleveland, Ohio.
Filed January 27, 1926. Serial No. 226,478. PUBLISHED MARCH 9, 1926.

213,141. FLOOR TILES, WALL TILES, DECORATIVE CONSTRUCTION TILES, FAIENCE, TILES FOR INDUSTRIAL CONSTRUCTION, TILE DOOR FRAMES, AND TILES KNOWN AS CERAMICS. THE C. PARDEE WORKS, Perth Amboy, N. J., and Philadelphia, Pa.
Filed December 3, 1925. Serial No. 224,202. PUBLISHED FEBRUARY 16, 1926.

213,142. WRITING PAPER. BYRON WESTON COMPANY, Dalton, Mass.
Filed January 28, 1926. Serial No. 226,537. PUBLISHED MARCH 9, 1926.

213,143. PREPARATION FOR WATERPROOFING CEMENT OR OTHER POROUS MATERIAL. PERMANENT WATERPROOFING CO., Kansas City, Mo.
Filed December 4, 1925. Serial No. 224,263. PUBLISHED FEBRUARY 16, 1926.

213,144. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES AND THE SIRUP FOR MAKING THE SAME. TAYLOR-LONG COMPANY, Charlotte, N. C.
Filed December 5, 1925. Serial No. 224,304. PUBLISHED MARCH 9, 1926.

213,145. FLEXIBLE ROOFING IN ROLLS AND FLEXIBLE SHINGLES MADE FROM SAID FLEXIBLE ROOFING IN ROLLS, SAID ROOFING CONSISTING OF FELT OR OTHER FLEXIBLE FABRIC TREATED WITH ASPHALT AND COATED WITH CRUSHED SLATE OR ASBESTOS OR OTHER PROTECTIVE MATERIAL. THE HIJO CO. (NOT INC.), Springfield, Ill.
Filed December 7, 1925. Serial No. 224,333. PUBLISHED FEBRUARY 23, 1926.

213,146. VENTILATORS FOR VEHICLES. JOHN H. PARSONS, doing business as The John H. Parsons Company, Pontiac, Mich.
Filed December 7, 1925. Serial No. 224,350. PUBLISHED MARCH 2, 1926.

213,147. COAL. LOGAN-POCAHONTAS FUEL COMPANY, Charleston, W. Va., and Cincinnati, Ohio.
Filed December 9, 1925. Serial No. 224,464. PUBLISHED FEBRUARY 16, 1926.

213,148. COAL. LOGAN-POCAHONTAS FUEL COMPANY, Charleston, W. Va., and Cincinnati, Ohio.
Filed December 9, 1925. Serial No. 224,465. PUBLISHED FEBRUARY 16, 1926.

213,149. ROOFING MATERIAL IN SHEET FORM, LUMBER, AND LUMBER PRODUCTS — NAMELY, SHINGLES, LATHS, SASHES, AND DOORS. WENATCHEE LUMBER COMPANY, Wenatchee, Wash.
Filed December 1, 1925. Serial No. 224,167. PUBLISHED MARCH 2, 1926.

213,150. CEMENT. BESSEMER LIMESTONE AND CEMENT COMPANY, Youngstown, Ohio.
Filed December 3, 1925. Serial No. 224,172. PUBLISHED FEBRUARY 16, 1926.

213,151. FLOOR TILES, WALL TILES, DECORATIVE CONSTRUCTION TILES, TILES FOR INDUSTRIAL CONSTRUCTION, TILE DOOR FRAMES, AND TILES KNOWN AS CERAMICS. GRUEBY FAIENCE AND TILE COMPANY, Boston, Mass., and Philadelphia, Pa.
Filed December 3, 1925. Serial No. 224,185. PUBLISHED FEBRUARY 16, 1926.

213,152. COVERS FOR THE SPRINGS OF AUTOMOTIVE VEHICLES AND FOR THE PARTS OF SUCH COVERS. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill.
Filed November 27, 1925. Serial No. 223,896. PUBLISHED FEBRUARY 23, 1926.

213,153. PIPE-JOINTING ELEMENT FOR CONNECTING SEWER PIPE. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo.
Filed November 27, 1925. Serial No. 223,941. PUBLISHED FEBRUARY 23, 1926.

213,154. PREPARED ROOFING CONSISTING OF AN ALL-RAG FELT SATURATED WITH ASPHALT ROOFING MATERIAL. NORTHERN CORRUGATING COMPANY, Green Bay, Wis.
Filed November 24, 1925. Serial No. 223,798. PUBLISHED FEBRUARY 23, 1926.

213,155. HOT-WATER BOILERS. JOHN TRAGESER STEAM COPPER WORKS, New York, N. Y.
Filed November 24, 1925. Serial No. 223,823. PUBLISHED FEBRUARY 23, 1926.

213,156. BODIES FOR MOTOR VEHICLES—NAMELY, FOR COMMERCIAL BUSSES. THE SUPERIOR MOTOR COACH BODY COMPANY, Lima, Ohio.
Filed November 19, 1925. Serial No. 223,556. PUBLISHED MARCH 2, 1926.

213,157. PORTLAND CEMENT. LEHIGH PORTLAND CEMENT COMPANY, Allentown, Pa.
Filed November 20, 1925. Serial No. 223,586. PUBLISHED FEBRUARY 16, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

213,158. (CLASS 15. OILS AND GREASES.) JOSEPH MCDONNELL, Jackson, Miss. Filed Oct. 1, 1924. Serial No. 203,279.

GASAIROIL

Particular description of goods.—Gasoline and Lubricating Oils.
Claims use since Sept. 1, 1924.

213,159. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. BALLANTINE AND SONS, Newark, N. J. Filed Jan. 24, 1925. Serial No. 208,552.

Oxford

Particular description of goods.—Malt Sirup Used for Food Purposes.
Claims use since Jan. 15, 1925.

213,160. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SERVICE SPRING COMPANY, Indianapolis, Ind. Filed Jan. 28, 1925. Serial No. 208,782.

Service

Particular description of goods.—Vehicle Springs.
Claims use since July, 1920.

213,161. (CLASS 37. PAPER AND STATIONERY.) U. S. LACE PAPER WORKS INC., Brooklyn, N. Y. Filed Aug. 2, 1924. Serial No. 200,910.

CERTIFIED
ADDING MACHINE PAPER

Particular description of goods.—Adding-Machine Rolls of Paper.
Claims use since about January, 1923.

213,162. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) EDWARD H. SCHMIEDER, Chicago, Ill. Filed Feb. 9, 1925. Serial No. 209,324.

Particular description of goods.—Toothbrushes.
Claims use since Aug. 25, 1924.

213,163. (CLASS 12. CONSTRUCTION MATERIALS.) TEE-LOK SHINGLE COMPANY, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 152,450.

TEE-LOK

Particular description of goods.—Asphalt Shingles.
Claims use since January, 1921.

213,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEYAUWEGA MILLING COMPANY, Weyauwega, Wis. Filed Feb. 17, 1925. Serial No. 209,757.

GERMAN
RYE

Particular description of goods.—Rye Flour.
Claims use since Feb. 1, 1924.

213,165. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WESTERN HAIR GOODS COMPANY, Chicago, Ill. Filed Mar. 5, 1925. Serial No. 210,596.

LOCK WAVE

Particular description of goods.—Hair Goods—Namely, Transformations.
Claims use since Feb. 27, 1925.

213,166. (CLASS 15. OILS AND GREASES.) CLEANSER OIL COMPANY, INC., Hancock, Mich. Filed June 4, 1925. Serial No. 215,295.

Particular description of goods.—Lubricating Oil.
Claims use since Apr. 1, 1925.

213,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. T. DUHIGG, doing business as Gold Medal Pharmacal Co., Cleveland, Ohio. Filed Sept. 5, 1925. Serial No. 219,881.

Particular description of goods.—Cough Medicine.
Claims use since Mar. 19, 1925.

213,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. S. VALLDEJULI, doing business as The Picot Company, Buffalo, N. Y. Filed Jan. 8, 1926. Serial No. 225,686.

PICOT

Particular description of goods.—Pharmaceutical Preparations—Namely, Diuretic Stimulants, Vitamine Preparations, Laxatives, Preparations for the Treatment of Rheumatism, Gout, Lumbago, Skin Irritation, Digestive Disorders, Liver Complaints, Dyspepsia Belching, Acidosis, Uric Acid, Headaches, Loss of Appetite, Obesity, Depression, Flatulence, Fever, Insomnia, Stomach Disorders, Vomiting, and Constipation.
Claims use since 1922.

213,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. CHRISTIANS CO., Johnson Creek, Wis. Filed Jan. 22, 1926. Serial No. 226,228.

AYRSHIRE

Particular description of goods.—Cottage Cheese.
Claims use since Feb. 10, 1925.

213,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. E. WHITAKER CO., Philadelphia, Pa. Filed Feb. 6, 1926. Serial No. 226,989.

Parfait

Particular description of goods.—Sour Pickles, Sweet Pickles, Mustard, Mayonnaise, Horse-Radish and Mustard, Pickle Relish, Horse-Radish and Beets, and Horse-Radish.
Claims use since Sept. 1, 1921.

213,171. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BABSON BROS., Chicago, Ill. Filed Feb. 11, 1926. Serial No. 227,159.

Metal-to-Metal

Particular description of goods.—Harness.
Claims use since March, 1922.

213,172. (CLASS 39. CLOTHING.) SLOTIN & CO., Savannah, Ga. Filed Mar. 4, 1926. Serial No. 228,145.)

RELIABLE

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1919.

213,173. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TERNSTEDT MANUFACTURING CO., Detroit, Mich. Filed Mar. 24, 1926. Serial No. 229,132.

HEVY DUTY

Particular description of goods.—Automobile Body Hardware Comprising Die Castings, Metal Shapes, Lead-Filled Molding, Sash Channels, Header Channels, Trunk-Rack Molding, Cushion Retainers.
Claims use since Feb. 1, 1924.

213,174. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925. Serial No. 212,804.

WORTH OF PARIS

Particular description of goods.—Perfumery Atomizers.
Claims use since Mar. 14, 1924.

213,175. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLEGG & RASMUSON, Spencer, Iowa. Filed Apr. 27, 1925. Serial No. 213,364.

CLEGG'S CLEANER

"Clegg's Cleaner."
Particular description of goods.—Household Cleaning Preparation.
Claims use since Jan. 1, 1925.

213,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORT-O, INC., Portland, Oreg. Filed June 1, 1925. Serial No. 215,177.

JELLY FRUIT

Particular description of goods.—Jelly Base.
Claims use since Feb. 19, 1925.

213,177. (CLASS 25. LOCKS AND SAFES.) TERNSTEDT MANUFACTURING CO., Detroit, Mich. Filed Mar. 24, 1926. Serial No. 229,134.

HEVY DUTY

Particular description of goods.—Automobile Body Hardware Comprising Coach Locks, Keys, Striker Plates.
Claims use since Feb. 1, 1924.

213,178. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Dec. 2, 1925. Serial No. 224,105.

LONGWEAR

Particular description of goods.—Men's Hosiery.
Claims use since Nov. 15, 1924.

TRADE-MARK REGISTRATIONS RENEWED

45,492. UMBRELLAS AND PARASOLS. Registered August 22, 1905. CHARLES H. NAMENDORF. Renewed August 22, 1925, to Namendorfs Inc., St. Louis, Mo., a Corporation of Missouri, assignee.

49,170. LARD AND LARD COMPOUND. Registered January 23, 1906. THE CUDAHY PACKING COMPANY, Chicago, Ill., and South Omaha, Nebr. Renewed January 23, 1926, to The Cudahy Packing Company, Chicago, Ill., a Corporation of Maine, assignee.

49,484. A DISTILLATION OF HAMAMELIS. Registered February 6, 1906. POND'S EXTRACT COMPANY. Renewed February 6, 1926, to Pond's Extract Company, New York, N. Y., a Corporation of Delaware, successor.

49,528. BOOKS. Registered February 6, 1906. WM. H. LEE. Renewed February 6, 1926, to Laird & Lee, Inc., Chicago, Ill., a Corporation of Illinois, successor.

50,131. CYCLE SADDLES. Registered March 6, 1906. J. B. BROOKS AND COMPANY LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed March 6, 1926.

50,327. GARMENT-SUPPORTER CLASPS. Registered March 13, 1906. HIRSH BROTHERS, New Haven, Conn. Renewed March 13, 1926, to Adjusta Company, New York, N. Y., a Corporation of New York, assignee.

50,406. CANNED SARDINES. Registered March 13, 1906. WILLIAM UNDERWOOD COMPANY. Renewed March 13, 1926, to William Underwood Company, Boston, Mass., assignee.

50,494. CANNED SARDINES. Registered March 20, 1906. WILLIAM UNDERWOOD COMPANY. Renewed March 20, 1926, to William Underwood Company, Boston, Mass., assignee.

50,606. EGG NOODLES AND MACARONI. Registered March 27, 1906. C. F. MUELLER CO., Jersey City, N. J., a Corporation of New Jersey. Renewed March 27, 1926.

50,714. DYSPEPSIA CAKES. Registered March 27, 1906. HARALD A. C. DAHL, New York, N. Y. Renewed March 27, 1926, to George W. Dahl, doing business as H. A. C. Dahl & Son, Brooklyn, N. Y., assignee.

50,842. WRENCHES. Registered April 3, 1906. WALWORTH M'F'G. CO. Renewed April 3, 1926, to Walworth Company, Boston, Mass., a Corporation of Massachusetts, assignee.

50,846. BUILDING, ROOFING, AND SHEATHING PAPER. Registered April 3, 1906. BARRETT MANUFACTURING COMPANY. Renewed April 3, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

50,876. STEEL. Registered April 3, 1906. HOWE BROWN & CO. LTD., Pittsburgh, Pa. Renewed April 3, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

50,888. STOVES, RANGES, AND GAS STOVES AND ATTACHMENTS AND PARTS AND REPAIRS THEREFOR. Registered April 3, 1906. SILL STOVE WORKS. Renewed April 3, 1926, to Sterling Range & Furnace Corp., Rochester, N. Y., a Corporation of New York, assignee.

50,912. STOVES, RANGES, GAS STOVES, AND ATTACHMENTS AND PARTS AND REPAIRS THEREFOR. Registered April 3, 1906. SILL STOVE WORKS. Renewed April 3, 1926, to Sterling Range & Furnace Corp., Rochester, N. Y., a Corporation of New York, assignee.

50,951. VERTICAL-PLANE CAR COUPLINGS. Registered April 3, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY. Renewed April 3, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

50,955. SALVES. Registered April 3, 1906. WONDERFUL DREAM SALVE COMPANY, Detroit, Mich., a Corporation of Michigan. Renewed April 3, 1926.

50,978. PACKING FOR STUFFING BOXES AND THE LIKE. Registered April 3, 1906. RICHARD KLINGER. Renewed April 3, 1926, to Rich. Klinger Gesellschaft m. b. H., Gumpoldskirchen, Austria, assignee.

50,986. STEEL FOUNTAIN, AND STYLOGRAPHIC PENS AND PENHOLDERS. Registered April 3, 1906. PERRY & COMPANY, LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed April 3, 1926.

51,090. CERTAIN MEDICAL COMPOUND. Registered April 3, 1906. POND'S EXTRACT COMPANY. Renewed April 3, 1926, to Pond's Extract Company, New York, N. Y., a Corporation of Delaware, successor.

51,091. CERTAIN MEDICAL COMPOUND. Registered April 3, 1906. POND'S EXTRACT COMPANY. Renewed April 3, 1926, to Pond's Extract Company, New York, N. Y., a Corporation of Delaware, successor.

51,092. OINTMENTS. Registered April 3, 1906. POND'S EXTRACT COMPANY. Renewed April 3, 1926, to Pond's Extract Company, New York, N. Y., a Corporation of Delaware, successor.

51,093. CERTAIN MEDICAL COMPOUND. Registered April 3, 1906. POND'S EXTRACT COMPANY. Renewed April 3, 1926, to Pond's Extract Company, New York, N. Y., a Corporation of Delaware, successor.

51,124. HATS OF ALL KINDS. Registered April 3, 1906. DANBURY HAT COMPANY, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,166. TAR AND PITCH. Registered April 3, 1906. BARRETT MANUFACTURING COMPANY. Renewed April 3, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

51,189. RIVETS. Registered April 10, 1906. LOW MOOR COMPANY, LIMITED, Low Moor, near Bradford, England. Renewed April 10, 1926, to Robert Heath and Low Moor, Limited, Biddulph Valley Coal and Iron Works, near Stoke-on-Trent, England, a Corporation of Great Britain, assignee.

51,197. MATTRESSES. Registered April 10, 1906. JOHN L. RADERMACHER, New York, N. Y. Renewed April 10, 1926.

51,242. IRON BARS, RODS, SHEETS, PLATES, HOOPING, AND TIRES. Registered April 10, 1906. LOW MOOR COMPANY, LIMITED, Low Moor, near Bradford, England. Renewed April 10, 1926, to Robert Heath and Low Moor, Limited, Biddulph Valley Coal and Iron Works, near Stoke-on-Trent, England, a Corporation of Great Britain, assignee.

51,282. HOOKS AND EYES. Registered April 10, 1906. THE DE LONG HOOK & EYE COMPANY. Renewed April 10, 1926, to The De Long Hook and Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

51,283. HOOKS AND EYES. Registered April 10, 1906. THE DE LONG HOOK & EYE COMPANY. Renewed April 10, 1926, to The De Long Hook and Eye Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

51,437. ROOFING FELT. Registered April 17, 1906. BARRETT MANUFACTURING COMPANY. Renewed April 17, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

51,459. PIANOS. Registered April 17, 1906. THE WEBER PIANO COMPANY, New York, N. Y., a Corporation of New York. Renewed April 17, 1926.

51,493. AN ACID PHOSPHATE AND A SIRUP OF PHOSPHATES. Registered April 17, 1906. THE CHAS. H. PHILLIPS CHEMICAL CO., New York, N. Y., a Corporation of Connecticut. Renewed April 17, 1926.

51,534. A MEDICINAL PREPARATION USED AS A NERVE SEDATIVE. Registered April 17, 1906. PEACOCK CHEMICAL COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed April 17, 1926.

51,623. STOVES AND RANGES AND REPAIRS AND PARTS THEREFOR. Registered April 17, 1906. SILL STOVE WORKS. Renewed April 17, 1926, to Sterling Range & Furnace Corp., Rochester, N. Y., a Corporation of New York, assignee.

51,693. LAGER BEER. Registered April 24, 1906. THE WILLIAM PETER BR'G. CO., Union, N. J. Renewed April 24, 1926, to The William Peter Brewing Corporation, Union City, N. J., a Corporation of New Jersey, successor.

51,829. SOLE LEATHER. Registered April 24, 1906. J. M. DELANEY & Co., New York, N. Y. Renewed April 24, 1926, to J. M. Delaney Co. Inc., Meriden, Conn., a Corporation of Connecticut, assignee.

51,845. FOUNDRY FACINGS OR BLACKING. Registered April 24, 1906. J. S. MCCORMICK COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 24, 1926.

51,892. FOUNDRY FACINGS OR BLACKING. Registered April 24, 1906. J. S. MCCORMICK COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 24, 1926.

51,990. HATS AND CAPS. Registered May 1, 1906. JOHN B. STETSON COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 1, 1926.

51,997. LAGER BEER. Registered May 1, 1906. OLYMPIA BREWING COMPANY, Olympia, Wash., a Corporation of Washington. Renewed May 1, 1926.

52,038. DIARIES. Registered May 1, 1906. WILLIAM H. LEE. Renewed May 1, 1926, to Laird & Lee, Inc., Chicago, Ill., a Corporation of Illinois, successor.

52,159. COATS, OVERCOATS, PANTS, AND VESTS. Registered May 1, 1906. OEHM & Co. Renewed May 1, 1926, to Wm. P. Sheffer, Baltimore, Md., successor.

52,166. FACE POWDER. Registered May 1, 1906. THE ARTESIA CREAM COMPANY, Waco, Tex., a Corporation of Texas. Renewed May 1, 1926.

52,184. WHISKY. Registered May 1, 1906. FREDERICK C. RENZIEHAUSEN, doing business as Large Distilling Company, Pittsburgh, Pa. Renewed May 1, 1926.

52,289. CANNED LOBSTERS. Registered May 8, 1906. BURNHAM & MORRILL CO., Portland, Me., a Corporation of Maine. Renewed May 8, 1926.

52,296. SPICES AND MUSTARD. Registered May 8, 1906. E. R. DURKEE & Co., Elmhurst, N. Y. Renewed May 8, 1926.

52,591. AN ANTISEPTIC ADHESIVE POULTICE PLASTER. Registered May 15, 1906. BAYLES DISTRIBUTING CO. Renewed May 15, 1926, to Edgar E. Bayles, doing business as Bayles Distributing Co., Kansas City, Mo., successor.

52,593. PETROLEUM LUBRICATING OILS. Registered May 15, 1906. GULF REFINING COMPANY, Pittsburgh, Pa., a Corporation of Texas. Renewed May 15, 1926.

52,772. A LIQUID MAGNESIA PREPARATION. Registered May 15, 1906. THE CHAS. H. PHILLIPS CHEMICAL CO., New York, N. Y., a Corporation of Connecticut. Renewed May 15, 1926.

52,916. VERTICAL-PLANE CAR COUPLINGS. Registered May 22, 1906. THE NATIONAL MALLEABLE CASTINGS COMPANY. Renewed May 22, 1926, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

52,982. STOCK FOOD. Registered May 22, 1906. THE MOLASSINE COMPANY, LD., Loudon, England. Renewed May 22, 1926, to Molassine Company, Limited, East Greenwich and London, England, a Company of Great Britain, successor.

53,070. A LIQUID SMOKE DISTILLED FROM WOOD. Registered May 22, 1906. THE E. H. WRIGHT COMPANY, LTD., Kansas City, Mo., a limited partnership of Michigan. Renewed May 22, 1926.

53,095. SPICES. Registered May 29, 1906. E. R. DURKEE & Co., Elmhurst, N. Y. Renewed May 29, 1926.

53,156. WRITING PAPER. Registered May 29, 1906. SIR ISAAC PITMAN & SONS, LIMITED, Bath, England, a share company of Great Britain. Renewed May 29, 1926.

53,479. SOAP. Registered June 5, 1906. THE ARTESIA CREAM COMPANY, Waco, Tex., a Corporation of Texas. Renewed June 5, 1926.

53,624. STEEL. Registered June 5, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y., a Corporation of New Jersey. Renewed June 5, 1926.

53,721. STEEL. Registered June 12, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y., a Corporation of New Jersey. Renewed June 12, 1926.

53,750. MATERIALS SUITABLE FOR THE SIZING AND FINISHING OF TEXTILE FIBERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co., Inc., New York, N. Y., a Corporation of New York, assignee.

53,751. MATERIALS SUITABLE FOR THE SIZING AND FINISHING OF TEXTILE FIBERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co., Inc., New York, N. Y., a Corporation of New York, assignee.

53,851. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,852. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,853. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,854. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,855. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,856. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,857. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,858. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,859. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,860. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,861. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,916. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,917. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

53,918. DYESTUFFS AND COLORING MATTERS. Registered June 12, 1906. H. A. METZ & Co. Renewed June 12, 1926, to H. A. Metz & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

54,003. STEEL. Registered June 19, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed June 19, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

54,019. STEEL. Registered June 19, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed June 19, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

54,073. A SALVE FOR THE TREATMENT OF SORE EYES. Registered June 19, 1906. THE E. E. SUTHERLAND MEDICINE CO., Paducah, Ky. Renewed June 19, 1926, to Dr. Bell Medicine Co. Inc., New York, N. Y., a Corporation of Delaware, assignee.

54,154. MECHANICAL PIANO PLAYERS. Registered June 19, 1906. THE AEOLIAN COMPANY, New York, N. Y., a Corporation of Connecticut. Renewed June 19, 1926.

54,158. PILLS. Registered June 19, 1906. JOSEPH BEECHAM. Renewed June 19, 1926, to Beecham Estates and Pills Limited, St. Helens, England, a Corporation of Great Britain, assignee.

54,241. PILLS. Registered June 26, 1906. JOSEPH BEECHAM. Renewed June 26, 1926, to Beecham Estates and Pills Limited, St. Helens, England, a Corporation of Great Britain, assignee.

54,242. PILLS. Registered June 26, 1906. JOSEPH BEECHAM. Renewed June 26, 1926, to Beecham Estates and Pills Limited, St. Helens, England, a Corporation of Great Britain, assignee.

54,275. A SALVE FOR THE TREATMENT OF SORE EYES. Registered June 26, 1906. THE E. E. SUTHERLAND MEDICINE CO., Paducah, Ky. Renewed June 26, 1926, Dr. Bell Medicine Co. Inc., New York, N. Y., a Corporation of Delaware, assignee.

54,295. A LINIMENT. Registered June 26, 1906. EARL S. SLOAN, Boston, Mass. Renewed June 26, 1926, Dr. Earl S. Sloan, Incorporated, New York, N. Y., a Corporation of Delaware, assignee.

54,322. LIQUID PURGATIVE COMPOUNDS. Registered June 26, 1906. CALIFORNIA FIG SYRUP CO., San Francisco, Calif. Renewed June 26, 1926, to Sterling Products (Incorporated), Wheeling, W. Va., a Corporation of West Virginia, assignee.

54,361. STEEL. Registered June 26, 1906. PARK STEEL COMPANY, Pittsburgh, Pa. Renewed June 26, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

54,367. STEEL. Registered June 26, 1906. SINGER, NIMICK & Co. INC., Pittsburgh, Pa. Renewed June 26, 1926, to Singer, Nimick & Co. Inc., New York, N. Y., a Corporation of Pennsylvania.

54,414. METALLIC PAINT IN DRY POWDER AND IN OIL. Registered June 26, 1906. THE PRINCE M'F'G CO., New York, N. Y. Renewed June 26, 1926, to The Prince Manufacturing Company, Bowmanstown, Pa., a Corporation of Pennsylvania.

54,423. PREPARATIONS OF COCOA AND CHOCOLATE. Registered June 26, 1906. THE CHAS. H. PHILLIPS CHEMICAL CO., New York, N. Y., a Corporation of Connecticut. Renewed June 26, 1926.

54,446. BRANDY. Registered June 26, 1906. JAS. HENNESSEY & CO., Cognac, France. Renewed June 26, 1926.

54,675. CHLORIDE OF LIME. Registered June 26, 1906. A. MENDLESON'S SONS, Albany, N. Y. Renewed June 26, 1926, to B. T. Babbitt, Inc., Albany and New York, N. Y., a Corporation of New York, assignee.

54,739. STEEL. Registered June 26, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed June 26, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

54,776. SOAP. Registered July 31, 1906. FELS & Co. Renewed July 31, 1926, to Fels & Co., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

54,823. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. Registered July 31, 1906. EDWARD RIPLEY & SON, LIMITED, Bradford, England, a Corporation of Great Britain. Renewed July 31, 1926.

54,852. TABLES. Registered July 31, 1906. WILLIAM J. MADDOX, Jamestown, N. Y. Renewed July 31, 1926.

54,861. SPOOL COTTON AND THREAD. Registered July 31, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 31, 1926, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

54,863. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered July 31, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 31, 1926, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

54,894. SMOKED AND PICKLED MEATS. Registered July 31, 1906. F. A. FERRIS & COMPANY. Renewed July 31, 1926, to F. A. Ferris & Co., New York, N. Y., a Corporation of New York, assignee.

54,915. CANNED VEGETABLES. Registered August 7, 1906. THE BLOOMINGTON CANNING CO., Bloomington, Ill., a Corporation of Illinois. Renewed August 7, 1926.

55,041. CERTAIN NAMED BOOTS, SHOES, SLIPPERS, AND TIES. Registered August 7, 1906. KAPLAN & GOLDSOLL, New York, N. Y. Renewed August 7, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,058. LEAD PENCILS. Registered August 7, 1906. EAGLE PENCIL COMPANY. Renewed August 7, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

55,059. LEAD PENCILS. Registered August 7, 1906. EAGLE PENCIL COMPANY. Renewed August 7, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

55,060. LEAD PENCILS. Registered August 7, 1906. EAGLE PENCIL COMPANY. Renewed August 7, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

55,061. LEAD PENCILS. Registered August 7, 1906. EAGLE PENCIL COMPANY. Renewed August 7, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

55,062. LEAD PENCILS. Registered August 7, 1906. EAGLE PENCIL COMPANY. Renewed August 7, 1926, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

55,089. LAMP AND GAS BLACK. Registered August 7, 1906. THE L. MARTIN COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed August 7, 1926.

55,109. TROWELS OF ALL KINDS. Registered August 7, 1906. WILLIAM HUNT & SONS, THE BRADES, LIMITED, Brades Steel Works, Brades Road, Oldbury, near Birmingham, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,110. TROWELS OF ALL KINDS. Registered August 7, 1906. WILLIAM HUNT & SONS, THE BRADES, LIMITED, Brades Steel Works, Brades Road, Oldbury, near Birmingham, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,111. TROWELS OF ALL KINDS. Registered August 7, 1906. WILLIAM HUNT & SONS, THE BRADES, LIMITED, Brades Steel Works, Brades Road, Oldbury, near Birmingham, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,114. SHEEP AND GARDEN SHEARS. Registered August 7, 1906. BURGON & BALL, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,129. DRAPERIES, HANGINGS, AND WOVEN FABRICS FOR WALLS. Registered August 7, 1906. H. B. WIGGIN'S SONS COMPANY, Bloomfield, N. J., a Corporation of New Jersey. Renewed August 7, 1926.

55,239. SALAD DRESSING AND SAUCES. Registered August 7, 1906. E. R. DURKEE & Co., New York, N. Y. Renewed August 7, 1926, to E. R. Durkee & Co., Elmhurst, N. Y.

55,273. BEER. Registered August 14, 1906. ROBERT PORTER & Co., LIMITED, London, England, a Corporation of Great Britain. Renewed August 14, 1926.

55,359. OFFICE PARTITIONS. Registered August 14, 1906. MOUNT & ROBERTSON. Renewed August 14, 1926, to Mount & Robertson, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

55,368. VIOLINS, BOWS, STRINGS, PEGS, AND PARTS OF VIOLINS. Registered August 14, 1906. BUEGELEISEN & JACOBSON, New York, N. Y., a Copartnership. Renewed August 14, 1926.

55,408. STOVES, RANGES, ATTACHMENTS, PARTS, AND REPAIRS. Registered August 14, 1906. SILL STOVE WORKS. Renewed August 14, 1926, to Sterling Range & Furnace Corp., Rochester, N. Y., a Corporation of New York, assignee.

55,457. LAUNDRY SOAP. Registered August 14, 1906. J. G. HAAS SOAP Co., St. Louis, Mo. Renewed August 14, 1926, to The Procter & Gamble Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.

55,478. SOAP. Registered August 14, 1906. FELS & COMPANY. Renewed August 14, 1926, to Fels & Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,586. SHIRTS. Registered August 14, 1906. CUTTER & CROSSETTE. Renewed August 14, 1926, to Cutter-Crossette Co., Chicago, Ill., a Corporation of Illinois, assiguee by mesne assignments.

55,598. A LIQUID MAGNESIA PREPARATION. Registered August 21, 1906. THE CHAS. H. PHILLIPS CHEMICAL Co., New York, N. Y., a Corporation of Connecticut. Renewed August 21, 1926.

55,599. A QUININE PREPARATION. Registered August 21, 1906. THE CHAS. H. PHILLIPS CHEMICAL Co., New York, N. Y., a Corporation of Connecticut. Renewed August 21, 1926.

55,600. A COD-LIVER-OIL EMULSION. Registered August 21, 1906. THE CHAS. H. PHILLIPS CHEMICAL Co., New York, N. Y., a Corporation of Connecticut. Renewed August 21, 1926.

55,674. REMEDIES FOR CERTAIN NAMED DISEASES. Registered August 21, 1906. DR. RICHARDS DYSPEPSIA TABLET ASSOCIATION, New York, N. Y., a Corporation of New York. Renewed August 21, 1926.

55,723. DERIVATIVES OF CINCHONA ALKALOIDS. Registered August 21, 1906. VEREINIGTE CHININFABRIKEN ZIMMER & Co. GES. MIT BESCHRANKTER HAFTUNG, Frankfort-on-the-Main, Germany. Renewed August 21, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,741. MEDICINAL COMPOUNDS FOR THE CURE OF CATARRHAL DISEASES AND COLDS. Registered August 21, 1906. ELY BROTHERS, New York, N. Y. Renewed August 21, 1926, to The Cream Balm Company, Jersey City, N. J., a Corporation of Delaware, assignee.

55,816. COOKED AND FLAKED WHEAT. Registered August 21, 1906. THE "FORCE" FOOD COMPANY, New York, N. Y. Renewed August 21, 1926, to Hecker-H-O Company, Inc., Buffalo, N. Y., a Corporation of New York, assignee by mesne assignments.

55,818. SELF-RISING FLOUR. Registered August 21, 1906. THE H-O (HORNBYS OATMEAL) COMPANY, New York, N. Y. Renewed August 21, 1926, to Hecker-H-O Company, Inc., Buffalo, N. Y., a Corporation of New York, assignee by mesne assignments.

55,827. FOOD FOR STOCK. Registered August 21, 1906. THE MOLASSINE COMPANY, LD., London, England. Renewed August 21, 1926, to Molassine Company, Limited, East Greenwich and London, England, a Company of Great Britain, succcessor.

55,837. PICKLES. Registered August 21, 1906. SQUIRE DINGEE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,841. COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered August 21, 1906. WALTER BAKER & COMPANY, LTD., Dorchester, Boston, Mass., a Corporation of Massachusetts. Renewed August 21, 1926.

55,958. OLEOMARGARINE. Registered August 21, 1906. SWIFT AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,968. COTTON SATEENS. Registered August 21, 1906. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England, a Corporation of Great Britain. Renewed August 21, 1926.

55,978. HAMS. Registered August 21, 1906. E. GODEL & SONS, Peoria, Ill., a Corporation of Illinois. Renewed August 21, 1926.

56,033. STEEL. Registered August 21, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y., a Corporation of New Jersey. Renewed August 21, 1926.

56,049. LYE. Registered August 21, 1906. PENNSYLVANIA SALT MFG. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 21, 1926.

56,063. RUBBER BELTING. Registered August 21, 1906. CAROLINA SUPPLY COMPANY, Greenville, S. C., a Corporation of South Carolina. Renewed August 21, 1926.

56,064. STEEL. Registered August 21, 1906. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y., a Corporation of New Jersey. Renewed August 21, 1926.

56,078. LYE. Registered August 21, 1906. PENNSYLVANIA SALT MFG. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 21, 1926.

56,186. RAZORS AND RAZOR BLADES. Registered August 28, 1906. KAMPFE BROS., New York, N. Y. Renewed August 28, 1926, to Star Safety Razor Corporation, Brooklyn, N. Y., a Corporation of New York, assignee.

56,463. WHEAT FLOUR. Registered September 25, 1906. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Renewed September 25, 1926, to The Northwestern Consolidated Milling Company, New York, N. Y., a Corporation of Minnesota.

56,538. CERTAIN NAMED MEDICINES. Registered October 2, 1906. JAMES COOK FULLER. Renewed October 2, 1926, to The Vimedia Co., Kansas City, Mo., a Corporation of Missouri, assignee.

LABELS

REGISTERED MAY 18, 1926.

30,339.—*Title:* "X"-IT. For Eczema Remedy. KING BRADY, Chicago, Ill. Published January 28, 1926.

30,340.—*Title:* CARROLL'S GOLD AND SEAL CAPSULES FOR THE STOMACH. For Capsules. JOSEPH M. CARROLL, Youngstown, Ohio. Published April 25, 1925.

30,341.—*Title:* OH-BOY! APPLES. For Apples. L. N. DUNHAM, New Britain, Conn. Published January 9, 1926.

30,342.—*Title:* CLEVE-O CLUB. For Ginger Ale. THE ELECTURA WATER AND BEVERAGE COMPANY, Cleveland, Ohio. Published March 12, 1925.

30,343.—*Title:* HAV-A-BITE. For Candy. THE ELITE CANDY MFG. Co., Spartanburg, S. C. Published February 1, 1926.

30,344.—*Title:* EVER-READY. For Pineapple. EVER-READY FOOD PRODUCTS COMPANY, Carrick, Pa. Published November 26, 1925.

30,345.—*Title:* STAR BRAND. For Olive Oil. A. GIURLANI & BRO., San Francisco, Calif. Published October 19, 1925.

30,346.—*Title:* HAMILTON'S. For Candy. THE JOHN D. HAMILTON COMPANY, Tacoma, Wash. Published November 1, 1923.

30,347.—*Title:* JUNKER'S 100% PURE WHOLE-WHEAT BREAD. For Bread. JULES JUNKER, INC., Philadelphia, Pa. Published March 1, 1925.

30,348.—*Title:* BOHEMIAN BETTER BREW, CREME DE MALT. For Malt Extract. STEPHEN A. KIACHER, doing business as Better Brew Products Company (Not Inc.), Chicago, Ill. Published August 7, 1925.

30,349.—*Title:* MONARCH. For Bread. MIDLAND BAKERIES COMPANY, Chicago, Ill. Published January 1, 1926.

30,350.—*Title:* OLYMPIA. For Canned Pears. OLYMPIA CANNING Co., Olympia, Wash. Published March 23, 1926.

30,351.—*Title:* G. L. D. HAIR TONIC. For Hair Tonic. Mrs. GEORGIA E. PAULL, Long Beach, Calif. Published March 25, 1926.

30,352.—*Title:* ASTHMADOR. For Medicine for the Treatment of Asthma, Hay Fever, Croup, and Certain Other Diseases. R. SCHIFFMANN COMPANY, Los Angeles, Calif. Published January 30, 1926.

30,353.—*Title:* RED CLOVER. For Dairy Feed. EUGENE R. SCHOOLEY, doing business as Schooley and Son, Luzerne, Pa. Published January 3, 1926.

30,354.—*Title:* HIGH LIFE. For Ginger Ale. H. C. SCHRANCK COMPANY, Milwaukee, Wis. Published January 2, 1926.

30,355.—*Title:* SEELY'S SELF RISING. For Buckwheat Flour. THE ALFRED SEELY Co., Spencer, N. Y. Published April 19, 1926.

30,356.—*Title:* RE-STORS-IT TOP DRESSING. For Top Dressing. CHAS. E. SHERMAN, Cleveland, Ohio. Published March 15, 1926.

30,357.—*Title:* SHORR'S CRYSTAL MIXTURE. For Shorr's Crystal Mixture Tablets, a Medicinal Preparation. LEON M. SHORR, Chicago, Ill. Published March 9, 1926.

30,358.—*Title:* SHREDDED WHEAT. For Shredded Wheat. THE SHREDDED WHEAT COMPANY, Niagara Falls, N. Y. Published April 7, 1926.

30,359.—*Title:* A ONE BREW. For Nonalcoholic Beverages. SIERRA CLUB BEVERAGE COMPANY, INC., Los Angeles, Calif. Published April 1, 1926.

30,360.—*Title:* T. N. T. THE NOCKOUT TABLET. For Tablets. TAYLOE PAPER COMPANY, Memphis, Tenn. Published February 13, 1926.

30,361.—*Title:* HO-LO PENCIL TABLET. For Tablets. TAYLOE PAPER COMPANY, Memphis, Tenn. Published February 13, 1926.

30,362.—*Title:* STOVE KLENZ. For a Preparation for Cleaning Porcelain-Enamel Stoves. WILLIAM H. TEBO, Granite City, Ill. Published November 14, 1925.

30,363.—*Title:* WHITE SEAL SODA. For Baking Soda. P. C. TOMSON & Co., INC., Philadelphia, Pa. Published February 1, 1926.

30,364.—*Title:* THREE MOUNTAIN. For Coffee. THREE MOUNTAIN COFFEE CORPORATION, San Jose, Costa Rica. Published April 4, 1922.

30,365.—*Title:* UNITED. For Canned Peaches. UNITED WHOLESALE GROCERY Co., Worcester, Mass. Published April 1, 1926.

30,366.—*Title:* UNITED. For Canned Salmon. UNITED WHOLESALE GROCERY Co., Worcester, Mass. Published April 1, 1926.

30,367.—*Title:* UNITED. For Canned Corn. UNITED WHOLESALE GROCERY Co., Worcester, Mass. Published April 1, 1926.

30,368.—*Title:* OLD HEIDELBERG. For Cereal Malt Beverage. VAL. BLATZ BREWING COMPANY, also doing business as Val. Blatz Brewing Co., Milwaukee, Wis. Published March 17, 1926.

30,369.—*Title:* PROSIT. For Cereal Malt Beverage. VAL. BLATZ BREWING COMPANY, also doing business as Val. Blatz Brewing Co., Milwaukee, Wis. Published March 17, 1926.

30,370.—*Title:* THE NEW PETITE GAINSBOROUGH HAIR NET. For Hair Nets. WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill. Published February 26, 1926.

30,371.—*Title:* ENCENS DES FLEURS. For Incense. ZEFUME, INC., Chicago, Ill. Published November 1, 1925.

30,372.—*Title:* ENCENS DE VIE. For Incense. ZEFUME, INC., Chicago, Ill. Published July 15, 1925.

PRINTS

REGISTERED MAY 18, 1926.

8,778.—*Title:* WHAT'S IN A NAME! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 7, 1926.

8,779.—*Title:* FOR THE MATCHLESS COMFORT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 20, 1926.

8,780.—*Title:* HOW WILL YOU DRIVE YOUR COMFORT? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 21, 1926.

8,781.—*Title:* THE NEW COLEMAN LANTERN. For Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published March 10, 1926.

8,782.—*Title:* MY BEAU-IDEAL BRAND BOW, APPEARS HAND-TIED. For Men's Band Bow Ties. H. & M. NECKWEAR COMPANY, New York, N. Y. Published April 1, 1926.

8,783.—*Title:* INSTANT POSTUM. For a Beverage. POSTUM CEREAL COMPANY, INCORPORATED, Wilmington, Del., and New York, N. Y. Published November 25, 1925.

8,784.—*Title:* YOU CHAPS WHO ROLL YOUR OWN. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 1, 1926.

8,785.—*Title:* PLAY THIS HUNCH AND YOU CAN'T LOSE. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 12, 1925.

8,786.—*Title:* YOU CAN HIT P. A. AND IT WON'T HIT BACK. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 25, 1926.

8,787.—*Title:* TRY THIS BETTER CIGARETTE TOBACCO. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 11, 1926.

8,788.—*Title:* THE MAKIN'S OF A MAN. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 4, 1926.

8,789.—*Title:* NO MORE TEETH THAN A HEN. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 2, 1925.

8,790.—*Title:* THE MAN WHO 'COULDN'T SMOKE A PIPE IS NOW A P. A. FAN! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 20, 1926.

8,791.—*Title:* DOES HE SMOKE A PIPE? For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 7, 1925.

8,792.—*Title:* WHEN OLD GRADS DROP IN—AND AROUND THE FIRE EXPERIENCES OF THEN ARE FONDLY RETOLD. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 1, 1926.

8,793.—*Title:* WHEN THE LURE OF ADVENTURE CALLS YOU. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 2, 1925.

8,794.—*Title:* P. A. IS SO COOL UNDER FIRE. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 20, 1926.

8,795.—*Title:* WHEN IT'S EVENING—AND YOUR LITTLE HOME RESOUNDS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 15, 1926.

8,796.—*Title:* TIE A CAN TO TROUBLE 48 E 1926.' For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 8, 1926.

8,797.—*Title:* WHEN THE SECOND ACT HAS COME TO AN END—AND THE CURTAIN IS RUNG DOWN AMIDST WHIRLING APPLAUSE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 1, 1925.

8,798.—*Title:* WHEN IT'S A RAINY NIGHT—AND WITH THREE CRAFTY BRIDGE PLAYERS. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 1, 1926.

8,799.—*Title:* P. A. THROWS PIPE—PEEVES FOR A LOSS 48 P 1926. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 1, 1926.

8,800.—*Title:* P. A. THROWS PIPE—PEEVES FOR A LOSS 48 Z 1926. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 19, 1926.

8,801.—*Title:* TIE A TIN TO TROUBLE 49 M 1926. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 18, 1926.

8,802.—*Title:* PICK A PIPE AND PACK IT WITH GOOD OLD P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 5, 1926.

8,803.—*Title:* WHEN YOU HAVE TO CONCENTRATE ON A HEAVY THEME. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 5, 1925.

8,804.—*Title:* 'EVERYTHING'S JAKE' WHEN YOU SMOKE P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 22, 1925.

8,805.—*Title:* GIVE ME A PIPE . . . AND P. A.! For Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 8, 1925.

8,806.—*Title:* A CIGARETTE MADE WITH P. A. BURNS BETTER. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 15, 1926.

8,807.—*Title:* P. A. SURE MAKES A GRAND CIGARETTE! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 22, 1926.

8,808.—*Title:* QUALITY—AND NOTHING ELSE BUT! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 4, 1925.

8,809.—*Title:* MILD AS INDIAN SUMMER. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 25, 1926.

8,810.—*Title:* I'VE GOT MINE, BOYS! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 8, 1926.

8,811.—*Title:* WHEN THE SECOND ACT HAS COME TO AN END—AND THE CURTAIN IS RUNG DOWN AMIDST WHIRLING APPLAUSE—166 D 1925. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 3, 1925.

8,812.—*Title:* WHEN THE RUNNERS ARE BUNCHED ON THE TRACK. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 8, 1926.

8,813.—*Title:* WHEN IT'S THE NIGHT OF THE SEASON'S MOST FESTIVE DANCE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 22, 1926.

8,814.—*Title:* AFTER THE DANCE . . . A PIPE AND P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 22, 1926.

8,815.—*Title:* WHEN SILVERY MOONLIGHT FALLS ON TOWN AND FIELD. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 15, 1926.

8,816.—*Title:* DECORATE YOURSELF WITH THE DEGREE OF P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 5, 1926.

8,817.—*Title:* WHEN IT'S A PERFECT WINTER DAY. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 19, 1925.

8,818.—*Title:* GIVE ME A PIPE AND PRINCE ALBERT. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 1, 1926.

8,819.—*Title:* YOU'VE GOT THE GOODS, PRINCE ALBERT. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 22, 1926.

8,820.—*Title:* THE WORLD'S O. K. WHEN YOU SMOKE P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 15, 1926.

8,821.—*Title:* WRITE IT ON THE ICE! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 8, 1926.

8,822.—*Title:* OLD PIPE, WE'RE PALS FOR KEEPS. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 28, 1925.

8,823.—*Title:* NO OTHER TOBACCO IS LIKE P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 18, 1926.

8,824.—*Title:* WHEN IT'S YOUR BIRTHDAY. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 15, 1926.

8,825.—*Title:* WHEN IT'S MORNING—AND YOU CALL GOOD-BYE TO HOME. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 8, 1926.

8,826.—*Title:* WHEN IT'S YOUR FAVORITE TABLE AT THE RESTAURANT. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 1, 1926.

8,827.—*Title:* WHEN THE MOST GLAMOROUS PICTURE IS OVER. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 25, 1926.

8,828.—*Title:* THAT 'PAY-DAY SMILE' WHEN YOU SMOKE P. A. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 21, 1925.

8,829.—*Title:* YES, SIR! THAT'S MY BUDDY! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 11, 1926.

8,830.—*Title:* WHEN YOU AND SPRING ARE THRILLING TO THE FIRST BALL GAME. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 1, 1926.

8,831.—*Title:* P. A. PUT A PADLOCK ON TONGUE-TORTURE. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 26, 1925.

8,832.—*Title:* LIKE SUNSHINE AFTER RAIN. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published October 14, 1925.

8,833.—*Title:* I HOPE TO TELL YOU! For a Smoking Tobacco. R. J. REYNOLDS COMPANY, Winston-Salem, N. C. Published October 19, 1925.

8,834.—*Title:* A WORD TO THE WIVES. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 9, 1925.

8,835.—*Title:* WHEN IT'S THANKSGIVING—AND THE TEAMS ARE DRAWN UP FOR BATTLE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 16, 1925.

8,836.—*Title:* REG'LAR FELLERS. For Shoes. ROYAL SHOE STORES, INC., Kansas City, Mo. Published April 5, 1926.

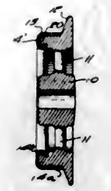
8,837.—*Title:* TRY-ON SPECTACLE CORP. For Spectacles. TRY-ON SPECTACLE CORP., Norfolk, Va. Published March 31, 1926.

8,838.—*Title:* 'UNCLE SAM'S DIARY'. For a Newspaper Published Daily. THE UNITED STATES DAILY PUBLISHING CORPORATION, Washington, D. C. Published April 9, 1926.

REISSUES

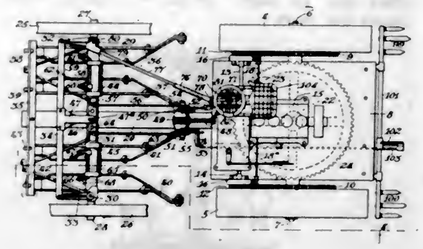
MAY 18, 1926.

16,351. TOY CAR WHEEL. MARIO CARUSO, Naples, Italy, assignor to The Lionel Corporation, a Corporation of New York. Filed Mar. 1, 1926. Serial No. 91,635. Original No. 1,529,870, dated Mar. 17, 1925, Serial No. 634,312, filed Apr. 24, 1923. 9 Claims. (Cl. 295—15.)



1. In a toy wheel for toy vehicles, a wheel body having a rim tread portion and a facing for said tread portion fitted snugly thereover and made of comparatively thin sheet metal, said facing having an edge thereof inturned and clinched on the interior side of the rim tread.

16,352. TRACTOR CULTIVATOR. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed Mar. 20, 1926. Serial No. 96,348. Original No. 1,340,461, dated May 8, 1920, Serial No. 82,516, filed Mar. 6, 1916. Divided and application filed June 21, 1918, Serial No. 241,133. Original No. 1,535,439, dated Apr. 28, 1925. 64 Claims. (Cl. 97—47.)



1. In a cultivator, the combination of earth working tools, a power operated pushing member located behind said tools, means pushed by said pushing member and operating to pull said tools, means for steering the cultivator, and means operated by said steering means for moving the tools laterally in a direction corresponding with that in which the cultivator is directed.

16,353. LINING AND METHOD. SAMUEL B. WAXMAN, Baltimore, Md. Filed Feb. 9, 1926. Serial No. 87,163. Original No. 1,514,594, dated Nov. 4, 1924, Serial No. 680,996, filed Dec. 15, 1923. 7 Claims. (Cl. 2—236.)

4. A lining for trousers garments comprising a piece of lining material, a piece of tape extending around the waist line, a line of hemstitching connecting the tape to the lining material, a seam sewed through the lining and tape, and through the hemstitching, connecting the lining and tape to the cloth forming the garment near the top edge thereof, the lining thus constructed and the top edge of the cloth being turned over inside the garment on the line of the hemstitching.

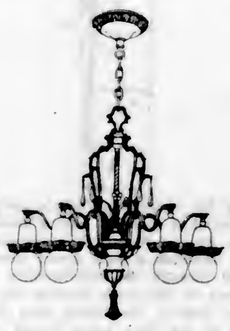
16,354. WRENCH. AUGUST EDWIN CARLBERG, Worcester, Mass., assignor to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed July 18, 1925. Serial No. 44,605. Original No. 1,542,336, dated June 16, 1925, Serial No. 531,010, filed Jan. 23, 1922. 10 Claims. (Cl. 81—121.)

1. In combination, a socket, a shank, the entire shank forming a straight line, an integral projection extending at an angle from said straight shank, said socket being pivoted on said projection and being free to make a complete revolution in a plane parallel to and spaced from the axis of said shank and means to prevent movement of the socket longitudinally of said shank.

DESIGNS

MAY 18, 1926.

70,147. CHANDELIER. HARRY AGLOW, New York, N. Y., assignor to Arteraft Metal Stamping Corporation, a Corporation of New York. Filed Mar. 24, 1926. Serial No. 17,042. Term of patent 3½ years.

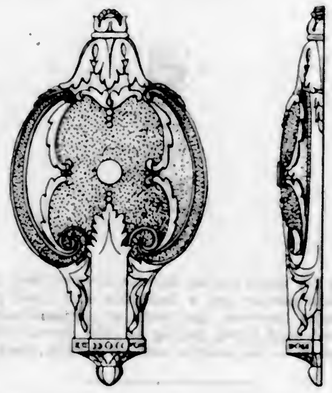


The ornamental design for a chandelier substantially as shown.

70,148. LIGHTING-FIXTURE ARM. HARRY AGLOW, New York, N. Y., assignor to Arteraft Metal Stamping Corporation, a Corporation of New York. Filed Mar. 24, 1926. Serial No. 17,043. Term of patent 3½ years.

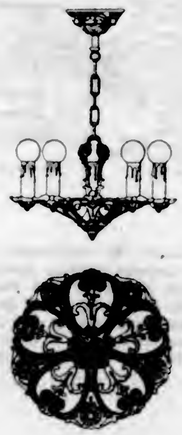
The ornamental design for a lighting fixture arm substantially as shown.

70,149. WALL PLATE FOR ELECTRIC-LIGHT FIXTURES. JOSEPH JOHN BALK, Buffalo, N. Y., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 10, 1926. Serial No. 16,474. Term of patent 3½ years.



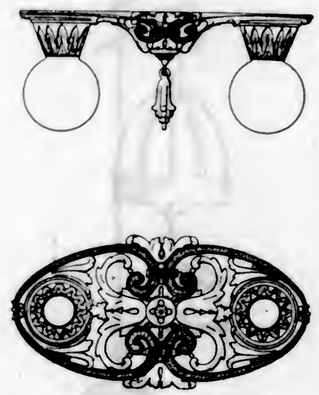
The ornamental design for a wall plate for electric light fixtures, as shown.

70,150. ELECTRIC-LIGHT FIXTURE. JOSEPH JOHN BALK, Buffalo, N. Y., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 10, 1926. Serial No. 16,475. Term of patent 3½ years.



The ornamental design for an electric light fixture, as shown.

70,151. ELECTRIC-LIGHT FIXTURE. JOSEPH JOHN BALK, Buffalo, N. Y., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 10, 1926. Serial No. 16,476. Term of patent 3½ years.

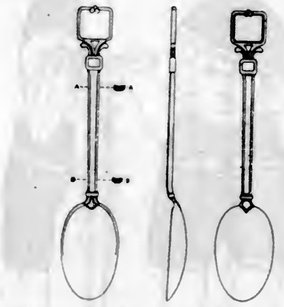


The ornamental design for an electric light fixture, as shown.

70,152. CANOPY FOR ELECTRIC-LIGHT FIXTURES. JOSEPH JOHN BALK, Buffalo, N. Y., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 10, 1926. Serial No. 16,477. Term of patent 3½ years.

The ornamental design for a canopy for electric light fixtures, as shown.

70,153. SPOON OR SIMILAR ARTICLE. ARTHUR LE ROY BARNEY, New York, N. Y., assignor to Tiffany & Company, New York, N. Y., a Corporation of New York. Filed Mar. 27, 1926. Serial No. 17,089. Term of patent 14 years.

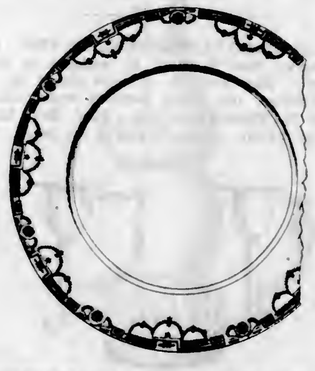


The ornamental design for a spoon or similar article as shown.

70,154. RING. EDGAR FRANKLYN BENGERT, Kansas City, Mo. Filed May 25, 1925. Serial No. 13,562. Term of patent 3½ years.

The ornamental design for a ring, as shown.

70,155. PLATE OR SIMILAR ARTICLE. LEWIS H. BOWN, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Mar. 16, 1926. Serial No. 16,929. Term of patent 7 years.

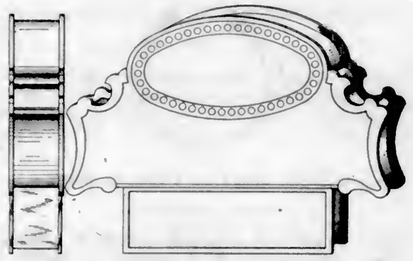


The ornamental design for a plate or similar article, as shown.

70,156. DOLL. ELLIOTT W. BRÜCKNER, Jersey City, N. J. Filed Jan. 28, 1926. Serial No. 16,314. Term of patent 7 years.

The ornamental design for a doll, as shown.

70,157. ADVERTISING SIGN. DOUGLAS S. CAMPBELL, Cleveland, Ohio. Filed Jan. 15, 1926. Serial No. 16,100. Term of patent 14 years.



The ornamental design for an advertising sign, as shown.

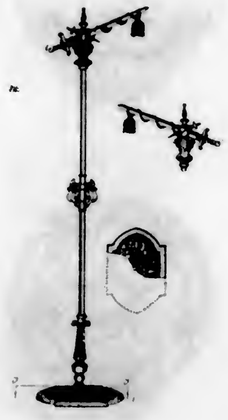
70,158. COMBINED CANDLE CUP AND ARM. LE ROY A. CRUMLEY, New York, N. Y., assignor to Israel J. Tombacher, New York, N. Y., and Harry M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Filed Mar. 16, 1926. Serial No. 16,941. Term of patent 3½ years.

The ornamental design for a combined candle cup and arm substantially as shown.

70,159. LIGHTING-FIXTURE BODY. LE ROY A. CRUMLEY, New York, N. Y., assignor to Israel J. Tombacher, New York, N. Y., and Harry M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Filed Mar. 16, 1926. Serial No. 16,942. Term of patent 3½ years.

The ornamental design for a lighting fixture body substantially as shown.

70,160. LAMP PEDESTAL. STANLEY CZAPEK, Detroit, Mich., assignor to Radiant Specialty Company, a Corporation of Michigan. Filed Feb. 25, 1926. Serial No. 16,678. Term of patent 3½ years.



The ornamental design for a lamp pedestal, as shown.

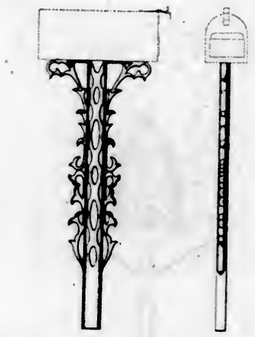
70,161. LAMP PEDESTAL. STANLEY CZAPEK, Detroit, Mich., assignor to Radiant Specialty Company, a Corporation of Michigan. Filed Feb. 25, 1926. Serial No. 16,679. Term of patent 3½ years.

The ornamental design for a lamp pedestal, as shown.

70,162. LAMP PEDESTAL. STANLEY CZAPEK, Detroit, Mich., assignor to Radiant Specialty Company, a Corporation of Michigan. Filed Feb. 25, 1926. Serial No. 16,680. Term of patent 3½ years.

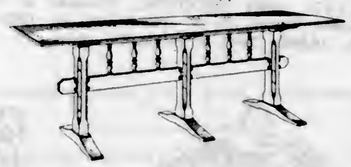
The ornamental design for a lamp pedestal, as shown.

70,163. MAIL-BOX POST. MAI RAGLAND DOBBINS, Atlanta, Ga., assignor of one-half to William T. Hudson, Atlanta, Ga. Filed Feb. 8, 1926. Serial No. 16,449. Term of patent 3½ years.



The new and ornamental design for a mail box post, a typical form of which is shown in the accompanying drawings.

70,164. TABLE. RALPH C. ERSKINE, Stamford, Conn., assignor to Erskine-Danforth Corporation, a Corporation of New York. Filed Dec. 2, 1925. Serial No. 15,620. Term of patent 7 years.

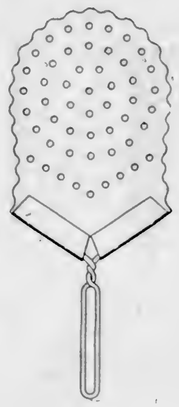


The ornamental design for a table as shown.

70,165. BOTTLE. JOHN G. FOX, Seattle, Wash. Filed Feb. 27, 1926. Serial No. 16,690. Term of patent 14 years.

The ornamental design for a bottle, as shown.

70,166. FLY SWATTER. CASPER HUGO GRINGS, Waterloo, Iowa, assignor to Waterloo Saddlery Company, Waterloo, Iowa. Filed Sept. 8, 1924. Serial No. 10,698. Term of patent 14 years.



The ornamental design for a fly swatter, as shown.

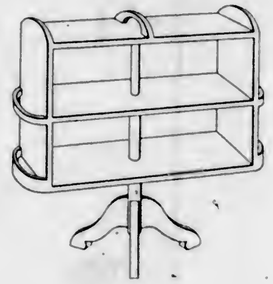
70,167. ASH RECEIVER. CHARLES H. GUTMAN, Mount Vernon, N. Y. Filed Aug. 10, 1925. Serial No. 14,364. Term of patent 3½ years.

The ornamental design for an ash receiver, as shown.

70,168. CIGARETTE RECEPTACLE. CHARLES H. GUTMAN, Mount Vernon, N. Y. Filed Aug. 10, 1925. Serial No. 14,365. Term of patent 3½ years.

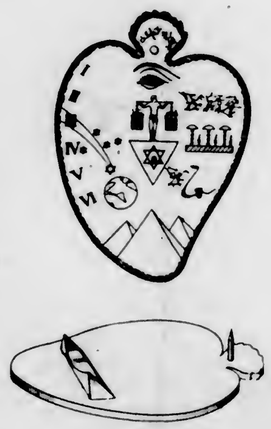
The ornamental design for a cigarette receptacle, as shown.

70,169. COMBINED BOOK AND MAGAZINE STAND. LAURA G. HARPER, Rockford, Ill. Filed Aug. 12, 1925. Serial No. 14,403. Term of patent 3½ years.



The ornamental design for a combined book and magazine stand, as shown.

70,170. MEDIUMISTIC BOARD. CUTBERTO HIDALGO and JOSÉ LOPEZ ZUAZUA, Los Angeles, Calif. Filed Aug. 25, 1924. Serial No. 10,555. Term of patent 3½ years.

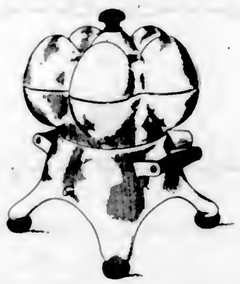


The ornamental design for a mediumistic board, as shown.

70,171. SPOON OR SIMILAR ARTICLE. HENRIK HILLBOM, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Mar. 8, 1926. Serial No. 16,823. Term of patent 14 years.

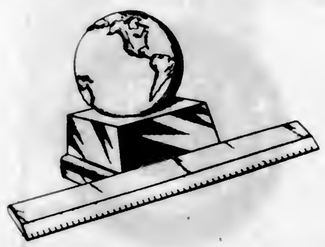
The ornamental design for a spoon or similar article as shown.

70,172. EGG COOKER. MARSHALL F. HOBSON and WILLIAM H. MOORE, Oakland, Calif. Filed Feb. 23, 1926. Serial No. 16,648. Term of patent 14 years.



The ornamental design for an egg cooker as shown.

70,173. PAPER WEIGHT OR SIMILAR ARTICLE. ARRA MADISON HOLTZ, Atlanta, Ga. Filed Dec. 29, 1925. Serial No. 15,898. Term of patent 3½ years.



The ornamental design for a paper weight or similar article, as shown.

70,174. MEDAL. GEORGE O. JORDAN, North Attleboro, Mass., assignor to James R. Feeley Co. Inc., Providence, R. I., a Corporation of Rhode Island. Filed Jan. 23, 1926. Serial No. 16,233. Term of patent 3½ years.

The ornamental design for a medal, substantially as shown.

70,175. CEILING LIGHT. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,664. Term of patent 3½ years.

The ornamental design for a ceiling light, as shown.

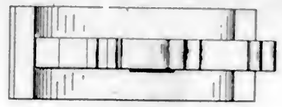
70,176. WALL BRACKET FOR LIGHTING FIXTURES. JOHN KNIERIEM, Brooklyn, N. Y., assignor to Jonick-Sirken Co., Inc., a Corporation of New York. Filed Jan. 8, 1926. Serial No. 16,007. Term of patent 3½ years.

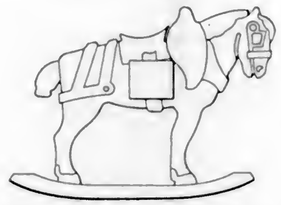
The ornamental design for wall bracket for lighting fixtures as shown.

70,177. CHANDELIER. STEPHEN KOSTRZEWSKI, New Canaan, Conn., assignor to Abraham Stolzer, New York, N. Y., doing business under the name and style of New England Incandescent Supply Company. Filed Mar. 16, 1926. Serial No. 16,939. Term of patent 3½ years.

The ornamental design for a chandelier substantially as shown and described.

70,178. COMBINATION BLOTTER AND CALENDAR HOLDER. JOHN MAYFORD, Jr., Chicago, Ill. Filed Oct. 12, 1925. Serial No. 15,103. Term of patent 3½ years.



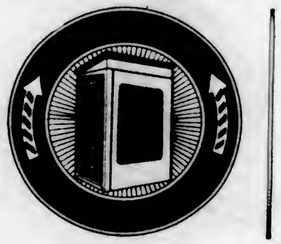


The herein mentioned design for a combination blotter and calendar holder, as shown.

70,179. TOP BAND FOR BAG FRAMES. WILLIAM C. LOHSE, Stratford, Conn., assignor to The R. Neumann Hardware Co., a Corporation of New Jersey. Filed Dec. 8, 1925. Serial No. 15,687. Term of patent 7 years.

The ornamental design for a top band for bag frames, as shown.

70,180. BADGE OR SIMILAR ARTICLE. JOHN G. LUSBY, Harrisburg, Pa. Filed Sept. 8, 1925. Serial No. 14,725. Term of patent 7 years.



The ornamental design for a badge or similar article, as shown.

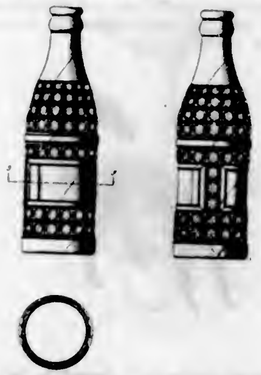
70,181. PERFUME CONTAINER. CHARLES LIONEL MARCUS, New York, N. Y. Filed June 20, 1924. Serial No. 9,932. Term of patent 7 years.

The ornamental design for a perfume container as shown.

70,182. FINGER RING. JACK MARTIN, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Feb. 10, 1925. Serial No. 12,333. Term of patent 3½ years.

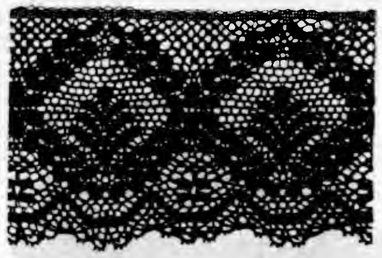
The ornamental design for a finger ring as shown.

70,183. BOTTLE. FRANK ROBERT MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,537. Term of patent 14 years.



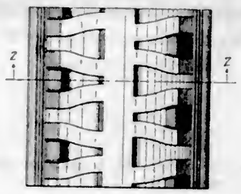
The ornamental design for a bottle, as shown.

70,184. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Mar. 5, 1926. Serial No. 16,800. Term of patent 7 years.



The ornamental design for lace as shown.

70,185. RESILIENT TIRE. HAROLD D. REICHARD, Racine, Wis., assignor to The Racine Horseshoe Tire Company, Racine, Wis., a Corporation of Wisconsin. Filed Jan. 28, 1926. Serial No. 16,312. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

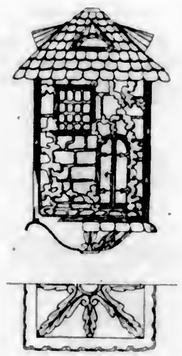
70,186. DRAWER KNOB. MAX H. ROSENTHAL, Los Angeles, Calif., assignor to Technical Glass Company, Inc., Los Angeles, Calif. Filed Aug. 29, 1924. Serial No. 10,583. Term of patent 7 years.

The ornamental design for a drawer knob, as shown.

70,187. CHAIR OR SIMILAR ARTICLE. FRIEDA RUBEN, St. Louis, Mo. Filed Mar. 13, 1926. Serial No. 16,914. Term of patent 7 years.

The ornamental design for a chair or similar article, as shown and described.

70,188. LANTERN OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 6, 1926. Serial No. 16,420. Term of patent 3½ years.



The ornamental design for a lantern or article of similar nature as shown.

70,189. DECORATIVE TOY ANIMAL OR THE LIKE. ABNER WILLIAM SAMUELS, New York, N. Y., assignor to Vogue Merchandise Co. Inc., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 16,862. Term of patent 3½ years.

The ornamental design for a decorative toy animal or the like, as shown.

70,190. DECORATIVE TOY ANIMAL OR THE LIKE. ABNER WILLIAM SAMUELS, New York, N. Y., assignor to Vogue Merchandise Co. Inc., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 16,863. Term of patent 3½ years.

The ornamental design for a decorative toy animal or the like, as shown.

70,191. DECORATIVE TOY ANIMAL OR THE LIKE. ABNER WILLIAM SAMUELS, New York, N. Y., assignor to Vogue Merchandise Co. Inc., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 16,864. Term of patent 3½ years.

The ornamental design for a decorative toy animal or the like, as shown.

70,192. DECORATIVE TOY ANIMAL OR THE LIKE. ABNER WILLIAM SAMUELS, New York, N. Y., assignor to Vogue Merchandise Co. Inc., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 16,865. Term of patent 3½ years.

The ornamental design for a decorative toy animal or the like, as shown.

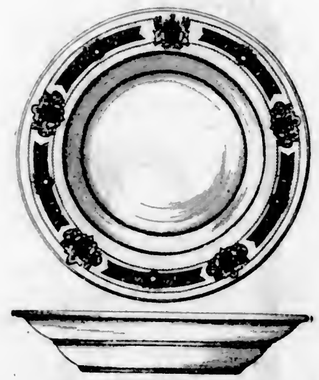
70,193. DECORATIVE TOY ANIMAL OR THE LIKE. ABNER WILLIAM SAMUELS, New York, N. Y., assignor to Vogue Merchandise Co. Inc., a Corporation of New York. Filed Mar. 10, 1926. Serial No. 16,866. Term of patent 3½ years.

The ornamental design for a decorative toy animal or the like, as shown.

70,194. LIGHTING-FIXTURE BODY. MORRIS SCHLEPP, New York, N. Y. Filed Feb. 27, 1926. Serial No. 16,695. Term of patent 3½ years.

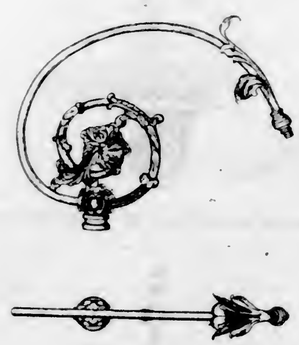
The ornamental design for a lighting fixture body, as shown.

70,195. PLATE. EMIL L. SCHNEPF, Trenton, N. J., assignor to Scammell China Company, Trenton, N. J. Filed Feb. 23, 1926. Serial No. 16,633. Term of patent 14 years.



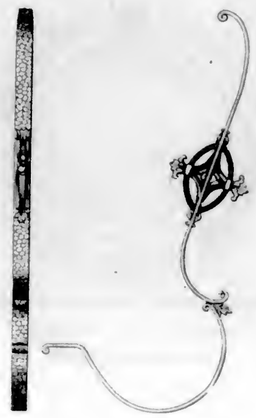
The ornamental design for a plate, as shown.

70,196. ARM FOR A LAMP. HARRY STONE, Chicago, Ill. Filed Mar. 1, 1926. Serial No. 16,704. Term of patent 3½ years.



The ornamental design for an arm for a lamp, substantially as shown.

70,197. BRACKET ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 25, 1926. Serial No. 16,671. Term of patent 3½ years.



The ornamental design for a bracket arm for lighting fixtures, as shown.

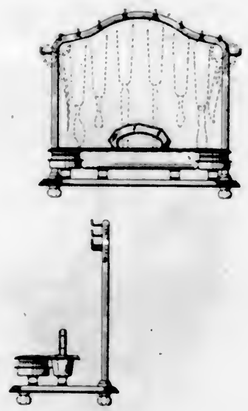
70,198. SHIELD FOR USE AS A PART OF A LIGHTING FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 19, 1926. Serial No. 16,591. Term of patent 3½ years.

The ornamental design for a shield for use as a part of a lighting fixture, as shown.

70,199. BRACKET ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 27, 1926. Serial No. 16,697. Term of patent 3½ years.

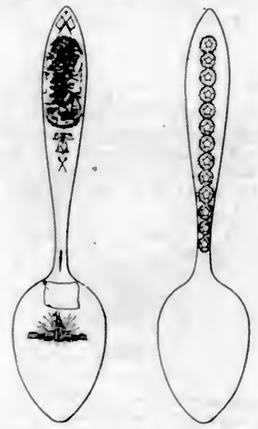
The ornamental design for a bracket arm for lighting fixtures, as shown.

70,200. RACK FOR MANICURING SET. FRED E. WEIGEL, Leominster, Mass., assignor to J. C. DOWD & Co., New York, N. Y., a Corporation of New York. Filed Sept. 26, 1925. Serial No. 14,911. Term of patent 3½ years.



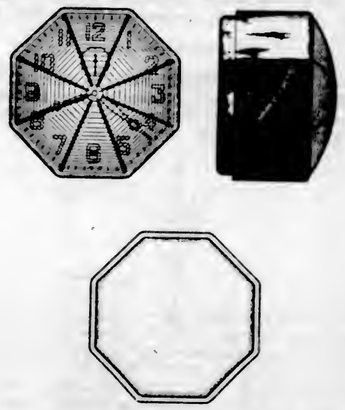
The ornamental design for a rack for manicuring set as shown.

70,201. SPOON. CHARLES H. WEISGERBER, Philadelphia, Pa. Filed Mar. 31, 1925. Serial No. 12,960. Term of patent 14 years.



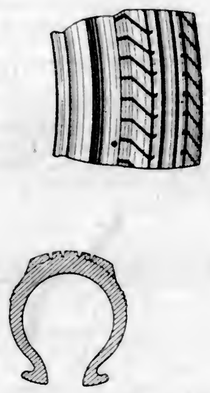
The ornamental design for a spoon, as shown.

70,202. CASE FOR AN ALARM CLOCK. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to The New Haven Clock Co., New Haven, Conn., a Corporation. Filed Nov. 4, 1925. Serial No. 15,349. Term of patent 14 years.



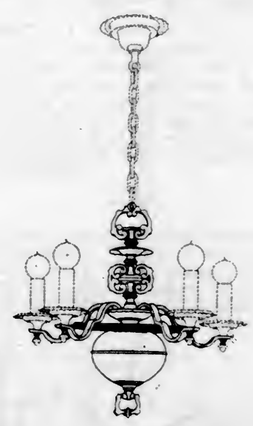
The ornamental design for a case for an alarm clock as shown.

70,203. RESILIENT TIRE. LEON J. WICKERSHAM, Columbus, Ohio. Filed Feb. 10, 1926. Serial No. 16,470. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

70,204. LIGHTING FIXTURE. CLARENCE G. WING, Lakewood, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 8, 1926. Serial No. 16,451. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

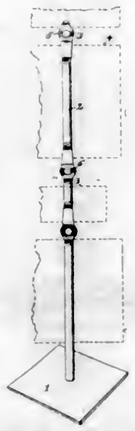
PATENTS

GRANTED MAY 18, 1926.

1,584,709. PROCESS FOR FINISHING LIGHTING FIXTURES. PERCY I. ANSORGE, New York, N. Y. Filed Dec. 30, 1922. Serial No. 609,823. 4 Claims. (Cl. 91—70.)

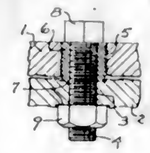
3. The process of finishing lighting fixtures which comprises forming a plurality of indentations of the desired pattern in the surface to be finished, coating said surface with a finish, baking same, filling said indentations with color, wiping the color off of the higher surface and baking.

1,584,710. CARD HOLDER. WALTER M. ADAMS, Hutchinson, Kans. Filed June 30, 1925. Serial No. 40,542. 3 Claims. (Cl. 40—146.)



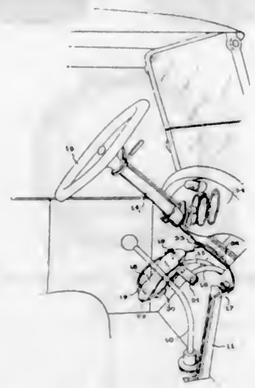
3. As a new article of manufacture, in a card holder, the combination of a flat base, a rod-like standard secured at its bottom to the middle of said base, a round split clamping sleeve slidably and rotatably mounted on said rod-like standard, a spring clamp provided with a central portion secured flat against the outer face of said rotatable clamping sleeve and the outer free ends of said clamp extending beyond the upper and lower edges of said clamping sleeve, and said extending ends of the clamp being outwardly bowed at the edges of said sleeve with the outer ends of the bowed portion pressing upon said rod-like standards above and below said sleeve, whereby cards can be clamped upon said rod-like standard at any place around its circumference by rotating said sleeve to the desired position on said rod-like standard.

1,584,711. METAL STRUCTURE. CARL P. ASTROM, East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,653. 6 Claims. (Cl. 85—1.)



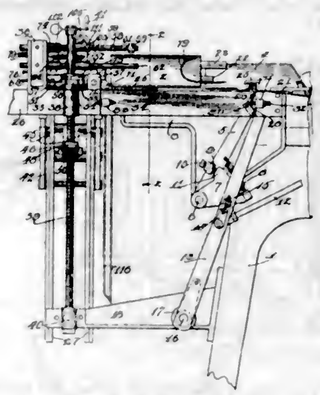
5. A joined metal structure comprising two overlapping parts, one having a hole therethrough and its inner surface around said hole being spot faced, the other part having a hole larger than the first hole and aligned therewith, a spacing member threaded in the hole in the second part and in cooperation with the spot faced portion of the first part, a fastening passing through said spacing member and the hole in the first part to clamp the overlapping parts together, said spacing member being provided with means to lock the same in clamped position and prevent its rotation within said second part, said means comprising a member engaged by the fastening and cooperating with the spacing member.

1,584,712. SINGLE FOOT PEDAL FOR AUTOMOBILES. AINSWORTH L. BAILEY and RUDOLPH R. GATZKE, Butte, Mont. Filed October 12, 1925. Serial No. 62,153. 4 Claims. (Cl. 74—81.)



1. A singular control for automobile clutch and brake arms and the foot accelerators thereof, comprising a foot pedal pivotally connected to one of said arms for the actuation of the latter by direct pressure and for swinging movements both vertically and horizontally, a movable connection between said pedal and the other arm whereby to actuate the latter by vertical pivotal movement of the pedal, and accelerator actuating means adjacent to and engageable by the pedal during lateral swinging movement of the latter as described.

1,584,713. AUTOMATIC BLANK-FEEDING DEVICE. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., a Corporation of Illinois. Original application filed July 15, 1922, Serial No. 575,341. Divided and this application filed May 3, 1924. Serial No. 710,749. 8 Claims. (Cl. 271—62.)



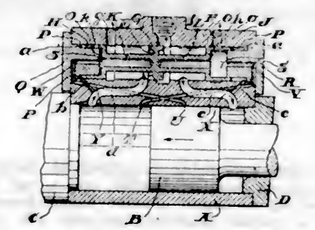
1. A cup blank feeding attachment comprising a feed screw, a cup blank supporting carriage, gripping means thereon for engaging the feed screw, a pawl and ratchet mechanism connected with said feed screw, a blank feeding table, means for reciprocating the same, a rack mechanism operated by said blank feeding table, and means actuated by said rack mechanism for operating the pawl and ratchet mechanism to cause rotation of the feeding screw and elevation of the carriage.

1,584,714. LENS MOUNTING FOR EYEGLASSES. GEORGE BAUSCH, Syracuse, N. Y. Filed Dec. 5, 1922. Serial No. 605,027. 1 Claim. (Cl. 88—42.)

In a lens mounting for eye glasses, a bow having its ends offset rearwardly to form pintles, the rear ends of said pintles being bent downwardly, forwardly and upwardly to form loops having the upper ends of their rear arms offset forwardly, nose guards journaled at their upper ends on said pintles to swing from normal positions along the inner sides of the loops to positions above said loops to permit access to the parts of the loops for bending adjustment without interference by the nose guards, and lens-supporting posts secured to the upper offset ends of the front arms of the loops.

1,584,715. SPOOL VALVE FOR ROCK DRILLS. LEWIS CONDICT BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 16, 1922. Serial No. 594,728. 4 Claims. (Cl. 121—28.)

1. In a rock drill, the combination of a cylinder and reciprocating piston, a valve chest having a plurality of pressure chambers at each end, said valve chest having inlet passages leading to the cylinder and main exhaust ports leading to the atmosphere, a fluid actuated valve in said valve chest for controlling said piston, said valve having a central head to control the admission of pressure fluid to the cylinder and outer heads at either side to control the main exhaust ports, the outer end of one outer head of the valve having an actuating face and a separate holding face forming pressure areas, the pressure chamber in which the said actuating face operates communicating with the cylinder through a passage uncovered by the piston near the end of its stroke in one

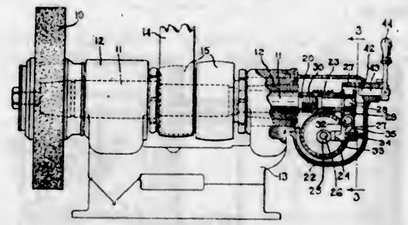


direction, and the pressure chamber in which the said holding face operates being at all times in communication with that end of the cylinder to which the piston has moved when it uncovers the passage leading from said valve actuating pressure chamber, independent means for actuating and holding the valve in the opposite direction, said end heads having bleeder ports to register momentarily with the main exhaust ports for exhausting pressure fluid acting against the actuating faces of the valve.

1,584,716. ADSORBENT MATERIAL AND PROCESS OF MAKING SAME. ABRAHAM S. BEHRMAN, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1924. Serial No. 741,078. 4 Claims. (Cl. 252—2.)

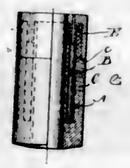
1. The method of making an adsorptive material which comprises mixing a solution of a salt of an amphoteric metal with a solution of an alkali metal silicate in such proportions and concentrations as to produce a gel which is acid to methyl orange indicators and which includes in its mass all of the substances of the solutions, then drying the gel and finally leaching it to remove the soluble constituents.

1,584,717. GRINDING-WHEEL-SPINDLE-RECIPROCATING MECHANISM. ALBERT G. BELDEN and CARL G. FLYGARE, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 30, 1922. Serial No. 609,914. 7 Claims. (Cl. 51—34.)



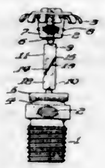
1. A grinding machine comprising a rotatable wheel spindle mounted for axial movement thereon, a grinding wheel on said spindle, a rotatable cam, power mechanism to rotate the cam, a cam follower operatively connected with the spindle to reciprocate the same in accordance with the cam movement and manually operable means to remove the follower from the path of the cam and prevent reciprocation of the spindle.

1,584,718. FLUID-EXPANSION RUBBER TO BE USED ON SWABS, AGITATORS, AND PACKERS FOR OIL WELLS. WALTER G. BISHEE and BEN P. HOFFMAN, Bristow, Okla. Filed June 13, 1924. Serial No. 719,872. 4 Claims. (Cl. 74—109.)



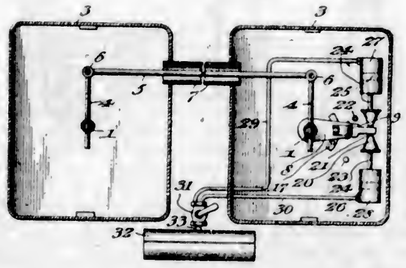
1. A packer comprising a cylindrical flexible body formed with an annular chamber, and a cap for said packer having an inner annular flange formed with passages to permit communication with said chamber, said cap also having an outer annular flange encircling one end portion of the cylindrical body.

1,584,719. FUSIBLE LINK AND STRUT. LOUIS A. BISSON, Philadelphia, Pa., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Aug. 3, 1920. Serial No. 400,924. 22 Claims. (Cl. 169—39.)



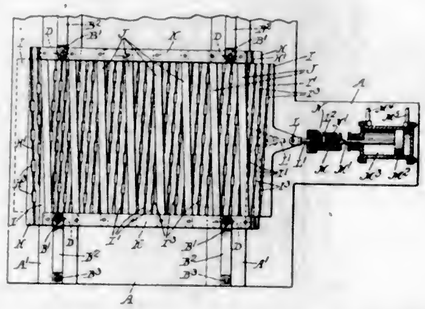
1. In a sprinkler head, the combination of normally spaced members and thermally yieldable means for normally maintaining said members in spaced relation, said members being movable toward each other upon the yielding of said means, and means for normally maintaining said yieldable means substantially free from strain.

1,584,720. SWINGING AUTOMOBILE HEADLIGHT. CHARLES ELLIS BLACKBURN, Evansville, Ind. Filed Jan. 2, 1926. Serial No. 78,872. 4 Claims. (Cl. 240—61.)



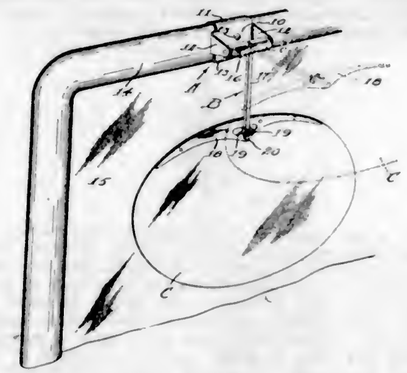
1. Means for swinging headlights comprising a rotatably mounted member for turning the headlights, means carried by said member adapted for latching it in its respective positions, and an actuator adapted, when operated, to first automatically unlatch the rotatably mounted member and then to swing said rotatably mounted member.

1,584,721. GRINDER. JOHN BLAND, Chicago, Ill. Filed Dec. 10, 1924. Serial No. 754,892. 30 Claims. (Cl. 83—53.)



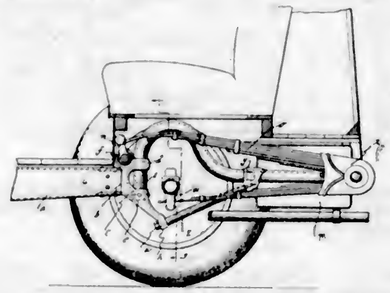
2. In a grinder, a plurality of plates, one resting upon the other, said plates having grooves in their contacting faces, the grooves running generally diagonally across the plates, the grooves in one plate being at an angle to the grooves in the contacting face of the other plate, there being perforations through the plates, and means for reciprocating one of them.

1,584,722. SHADE ATTACHMENT FOR AUTOMOBILES. CHRIS JOHN BOHMBACH, Red Wing, Minn. Filed Aug. 29, 1925. Serial No. 53,260. 4 Claims. (Cl. 296—97.)



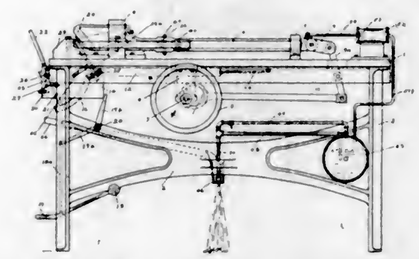
1. In a device of the class described, a hanger comprising a body, a clip for anchoring said body in place on a support, a pair of ears and a pair of yielding fingers, said clip, ears and fingers being integral with and turned upon said body, a frame including a cross-head reversibly trunnioned at its ends in said ears, a stem fixed at one end to said cross-head, and a frame-plate mounted on the free end of said stem for sliding adjustment longitudinally thereof, a dimmer screen secured to said frame-plate, said cross-head being angular in cross section and having three faces for co-operation severally with said fingers, two of said faces being relatively opposed, one in a plane parallel with the axis of said stem and the other in a plane intersecting said axis, the third face being disposed in a plane at right angles to the stem, one of the opposed faces being adapted to co-operate with said fingers in one end-for-end position of the cross-head in said ears, the other of said opposed faces being adapted for cooperation with said fingers in a reversed end-for-end position of said cross-head and the third face being adapted for co-operation with said fingers in both end-for-end positions of the cross-head.

1,584,723. AUTOMOBILE CHASSIS-FRAME CONSTRUCTION. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Aug. 4, 1924. Serial No. 729,898. 9 Claims. (Cl. 280—106.5.)



1. A chassis frame, comprising chassis bars having a section that is relatively difficult to bend at sharp angles and which extends back to the axle zone, and a kicked-up chassis frame portion rigidly secured to said bars and comprising side bars formed of a metal section capable of being easily bent without wrinkling or mutilating said section at relatively sharp angles.

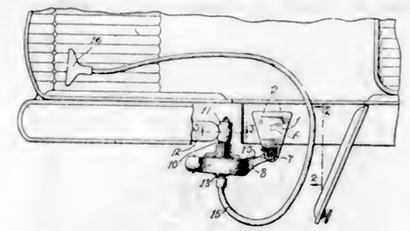
1,584,724. BIT-FORGING MACHINE. LOUIE BORTKEWICZ, Racoon Station, Pa. Filed July 15, 1925. Serial No. 43,675. 19 Claims. (Cl. 76—5.)



1. In a forging machine the combination of a stock holder a reciprocable die holder, pivotally mounted dies, and connections arranged to produce action of the pivoted dies on the stock during movement of the reciprocable die holder away from the stock.

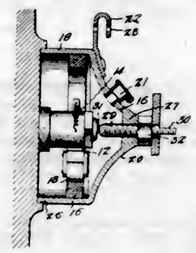
1,584,725. VEHICLE CLEANER. JOSEF BRANDSTETTER, Chicago, Ill. Filed May 12, 1924. Serial No. 712,516. 3 Claims. (Cl. 230—11.)

1. In a vehicle cleaner, a clamp having spaced jaws formed to receive the running board of the vehicle therebetween, an operating mechanism, a rigid horizontal arm connected at one end to said mechanism, the outer end of the clamp extending beyond the outer side edge of the running board and being forked, the other end of the arm being forked and received in the forked end of the clamp, a vertical pivot pin passed through said forked parts, actuating means for the operating mechanism engaged with the rear wheel of the vehicle, and a spring



coiled about the pivot pin and engaged with the arm and with the clamp to hold the actuating means against the vehicle wheel.

1,584,726. TIMER. VIRGLE E. BRATTON, Newark, Ohio. Filed Feb. 25, 1925. Serial No. 11,608. 5 Claims. (Cl. 200—19.)

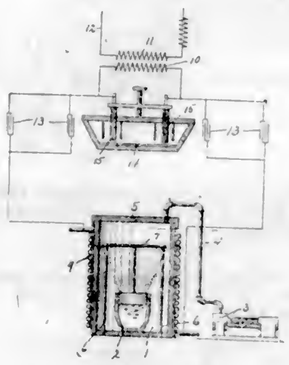


2. In combination with a timing mechanism of an internal combustion engine comprising a rotatable timing shaft, contacting means carried by the said shaft, and an annular recess formed on the engine block, of a casing adapted to engage the annular recess, a collar having a screw threaded opening formed on the said casing, a bolt threadedly mounted through the said collar opening, an anti-friction bearing formed on the inner extremity of the said bolt adapted to contact with the said timing shaft, means for adjusting the said bolt formed on the opposite extremity thereof, a lock nut carried by the bolt for locking same in adjusted position, and a clamp member adapted to retain the said casing in association with the internal combustion engine.

1,584,727. RAILROAD VEHICLE. EDWARD G. CARR, Chicago, Ill. Filed Dec. 26, 1924. Serial No. 758,060. 3 Claims. (Cl. 105—197.)

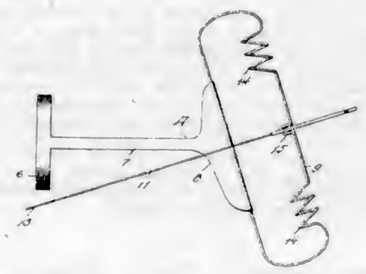
1. The combination in a railroad vehicle, of axles with wheels thereon, journal boxes upon the axles, bearings interposed between the journal boxes and the axles, springs connected to journal boxes whereby pressure is transmitted through the journal boxes and bearings to the axles, a bolster to which said springs are secured, and a support secured to the bolster so as to rise and fall therewith to limit the pressure exerted by the springs upon bearings and also adapted to support the vehicle in case of derailment.

1,584,728. METHOD OF MANUFACTURING MIRRORS. THEODORE WILLARD CASE, Scipio, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 555,526. 3 Claims. (Cl. 91—70.1.)



1. The method of manufacturing a mirror comprising removing water and vapor from the surface of a glass piece by baking and then depositing a metallic material in vaporized form upon the baked surface of the glass piece to form a thin coherent reflecting film thereon.

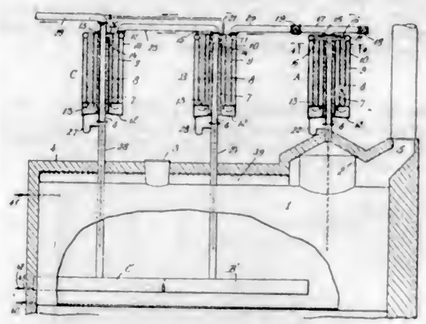
1,584,729. BOW. FRANKLIN O. CATES, St. Louis, Mo. Filed Feb. 12, 1925. Serial No. 8,649. 3 Claims. (Cl. 124—7.)



3. A bow comprising a base including a handle and an arm-brace, in combination with a resilient cord-member made of a single wire whose terminals are embedded in said base and having a central V-shaped half-loop arranged to engage a projectile.

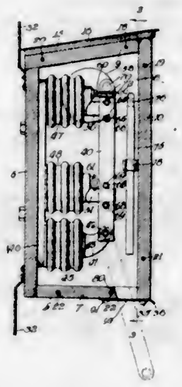
1,584,730. METHOD AND APPARATUS FOR DISTILLATION. WILLIAM EDGAR CHENOT, Belleville, Ill. Filed Apr. 22, 1924. Serial No. 708,150. 10 Claims. (Cl. 196—72.)

1. An improved method of distilling hydrocarbon oils, which comprises initially distilling the original oil, dephlegmating the vapors, redistilling the condensate obtained by this dephlegmation by heat interchange with the original oil undergoing distillation but without direct contact therewith, and collecting in a common receiver the uncondensed vapors from the dephlegmation and the vapors of the redistilled condensate obtained from the



redistillation without contacting them with the oil being distilled, the said condensate, or the vapors undergoing dephlegmation.

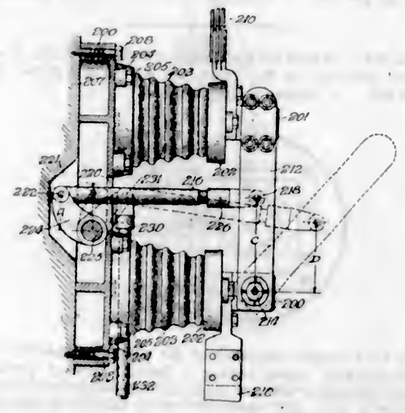
1,584,731. OUTDOOR DISCONNECTING SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineers Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1923. Serial No. 630,205. 10 Claims. (Cl. 200—48.)



1. In combination, a switch box, a switch therein, said switch having a movable switch member, said member projecting from said box when in open position and a cover for closing said box with said movable switch member projecting therefrom, said cover when closed lying in the path of closing movement of the switch member and preventing closing thereof.

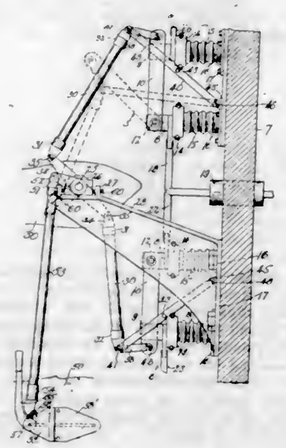
1,584,732. DISCONNECTING SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineers Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed June 21, 1923. Serial No. 646,750. 10 Claims. (Cl. 200—48.)

2. In combination, a pair of switch terminals, a switch blade for connecting the said terminals, said blade being pivoted at one end to one of said terminals, an element located intermediate the said switch terminals and connected at its outer end directly to only a single point on the said switch blade, a shaft, a member connected at one end to the said shaft and pivotally connected at its other



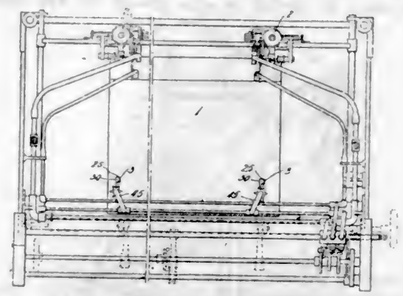
end to the inner end of the said element, and means for actuating the said shaft to cause the said element to be reciprocated.

1,584,733. DISCONNECTING SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 21, 1923, Serial No. 646,750. Divided and this application filed Oct. 17, 1924. Serial No. 744,117. 25 Claims. (Cl. 200—48.)



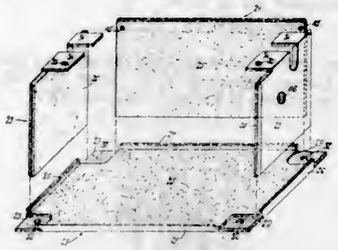
1. In a switch, in combination, an operating shaft, a contact member, a swinging member extending beyond said contact member, and link mechanism connecting said shaft with the extended portion of said swinging member for actuating it into and out of engagement with said contact member.

1,584,734. SHEET-FEEDING MACHINE. CARL E. CHRISTOPHEL, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a Corporation of New York. Filed Nov. 6, 1922. Serial No. 599,559. 19 Claims. (Cl. 271—26.)



1. In a device of the character described, the combination of a pile support and a movable carriage, with a sheet moving member movable vertically upon said carriage toward and from the pile, and an operating member adapted to operate said sheet moving vertically and move said carriage.

1,584,735. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, deceased, late of New York, N. Y., by Michael J. Corcoran, administrator, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 11, 1924. Serial No. 755,136. 8 Claims. (Cl. 197—186.)

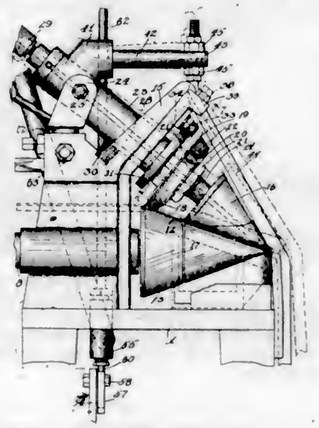


1. The combination with a typewriting machine comprising a main frame, of a sound-deadening pack, comprising a base-plate detachably secured to the bottom of said main frame, two side walls, a rear wall, all of said walls interlocking at their lower ends with the base-plate, and means for detachably securing said walls at their upper ends to said main frame.

1,584,736. PAPER-CUP FORMER. DAVID F. CURTIN, Chicago, Ill., assignor, by mesne assignments, to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1920. Serial No. 405,846. Renewed Nov. 7, 1925. 47 Claims. (Cl. 93—36.)

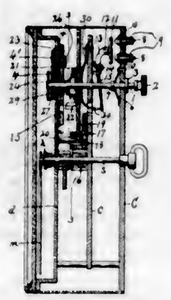
1. A paper cup former, comprising a supporting table, a bracket mounted upon said table, a shaft journaled in the bracket and provided at one end with a conical die, a yoke extending upwardly from the bracket, a sleeve pivoted between the arms of the yoke, a shaft journaled in the sleeve and provided with a die having its peripheral surface contacting with that of the lower die, said upper die being movable away from the lower die, means tending to hold the upper die away from the lower die, a disk arranged coaxial with the upper die and having a notch in its periphery, means above the disk adapted to

engage the periphery of the disk to hold the upper die toward the lower, said upper die moving upward when the notch is in engagement with said means, a driving connection between the upper die and the lower die, releasable when the upper die is moved upward, said shaft and upper die having an axial passage for fluid under



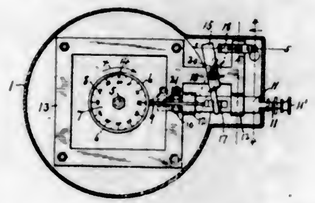
pressure opening near the apex of the die, means for supplying air under pressure to the passage, a valve for controlling the supply, means connected to the lower die for releasing the upper die at predetermined intervals, and for operating the valve to admit air to said passage when the upper die is lifted.

1,584,737. CLOCK-CONTROLLED ELECTRIC SWITCH. JOHN DANIAL, Syracuse, N. Y. Filed Jan. 20, 1925. Serial No. 3,581. 3 Claims. (Cl. 200—38.)



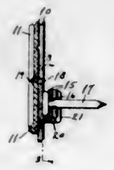
1. In a clock controlled electric switch, a dial having hour graduations, pointers movable independently of each other around the dial to register with different graduations, one of said pointers being movable axially and provided with means for engaging and rotating the other pointer when moved axially in one direction for setting said other pointer to register with one hour graduation, said axially movable pointer being freed from interlocking engagement with the other pointer when moved axially in the opposite direction to enable it to be set to another hour graduation of the dial, a bearing member movable rotarily with the axially movable pointer, an axially movable clock rotated cam having a high part and a low part sucessively registrable with the bearing member and spring-pressed axially into engagement therewith, a self-closing switch member, and means actuated by the axial movement of the cam in one direction for opening the switch member when the high part of the cam is registered with the bearing member and for permitting the closing of the switch member when the low part of the cam is registered with the bearing member.

1,584,738. TIME-CONTROLLED SWITCH. JOHN DANIAL, Syracuse, N. Y. Filed Nov. 17, 1925. Serial No. 69,601. 2 Claims. (Cl. 200—39.)



2. In a circuit controller of the character described, a clock-actuated wheel having a circular row of graduations concentric with its axis and indicating fractions of a unit of time, said wheel having an annular flange provided with a radial slot in one side, a self-retracting slide having a latch movable into engagement with the flange when the slide is moved in one direction for holding the slide against return movement, said wheel being adjustable rotarily at will independently of its clock-actuation to set the slot to different positions relatively to the latch, said slide being released by the registration of the slot with the latch as the wheel is rotated by the clock, an electric switch, and means operated by the movement of the slide in reverse directions for closing and opening the switch, and means operable at will for tripping the latch and permitting the return of the slide at any period of movement of the time wheel.

1,584,739. SHINGLE. ISADORE DAVIS, Des Moines, Iowa. Filed Apr. 17, 1925. Serial No. 23,826. 5 Claims. (Cl. 108—33.)

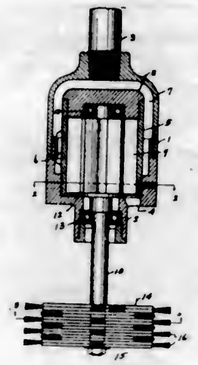


1. In a shingle formed of flexible material and having metal clips attached to the lateral sides of said shingle, each of said clips being formed with a slotted tongue projecting beyond the margin of the shingle and adapted to overlap a similar tongue on an adjacent shingle in the same row and the overlapping slotted tongues adapted to receive a nail, the combination with each shingle of a hooked clip fixed to the lower portion of said shingle and adapted to be hooked under and embrace the overlapping tongues of shingles in the subjacent row.

1,584,740. MOTOR. WILLIAM P. DENNY, Houston, Tex. Filed Sept. 8, 1924. Serial No. 736,444. 5 Claims. (Cl. 253—2.)

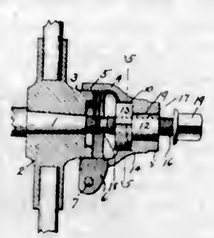
1. A motor including a housing, a casing fixed within the housing and spaced therefrom forming a pressure chamber therebetween, said casing having an inlet port leading through the casing wall from said chamber and

an outlet leading from within said casing through the housing, a drive shaft rotatably mounted in the housing and casing, a rotor fixed on said shaft and located



within the casing, and a pipe to which the motor is attached, said pipe communicating with said chamber and forming means for conducting motive fluid thereto and for suspending the motor.

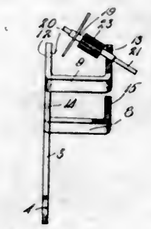
1,584,741. EXTRACTOR FOR VEHICLE WHEELS. JACOB DIRSCHAUER, Evansville, Ind. Filed Oct. 10, 1925. Serial No. 61,753. 1 Claim. (Cl. 29—85.)



In an extractor for vehicle wheels, the combination with a body which is adapted to screw onto the hub of the wheel and has means for fastening it thereon so that it will not slip, said body having a round bore provided with a round countersink, of a bushing or collar having a cylindrical body received in said bore and a cylindrical head received in the countersink, a key loosely engaged with seats in the bushing or collar and in the body, said key permitting said bushing or collar to slide but not to turn in relation to the body, and a pressure screw threaded through said bushing or collar and having a tip adapted to engage the end of the wheel spindle.

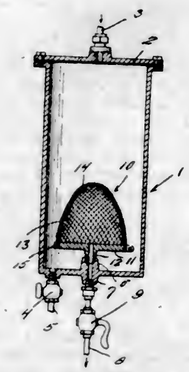
1,584,742. INDICATING INSTRUMENT. OTTO W. HEISE, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Aug. 26, 1925. Serial No. 52,708. 4 Claims. (Cl. 73—109.)

1. A movement frame for gauges comprising a piece of sheet material forming a base, a tongue integrally united to the base and outstanding substantially at right angles to the plane of the base, said tongue being bent intermediate its ends to provide a bracket member which overhangs and is substantially parallel to the base member, but spaced from the latter, the base member having a journal opening and the bracket member having an opening aligned with said journal opening, and a removable bearing member in the opening in



the bracket member, said bearing member having a journal opening aligned with the journal opening in the base member.

1,584,743. GASOLINE FILTER. KELLIS S. HENSLEY, Hubball, W. Va. Filed Dec. 26, 1924. Serial No. 758,212. 1 Claim. Cl. 210—165.)

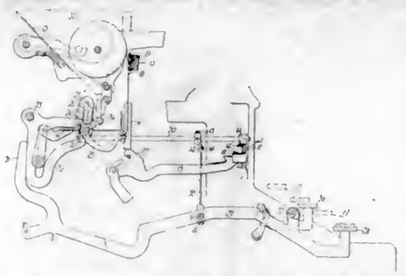


A gasoline filter comprising a casing which is open at its top, a removable cover plate for said casing, said casing being provided at the center of its bottom with an internal boss formed with a screw threaded socket and a fluid passage leading from said socket, a strainer within said casing, said strainer comprising a plate provided with a screw threaded nipple tapped into said socket, a cap shaped screen having its bottom fitted around the periphery of said plate, a chamois skin covering for said screen fitting snugly over the same, and a clamping band for said screen and chamois skin binding the two against the periphery of said plate, and a drain valve for said casing.

1,584,744. TYPEWRITING MACHINE. JULIAN S. HEXTER, Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1925. Serial No. 25,219. 7 Claims. (Cl. 197—6.)

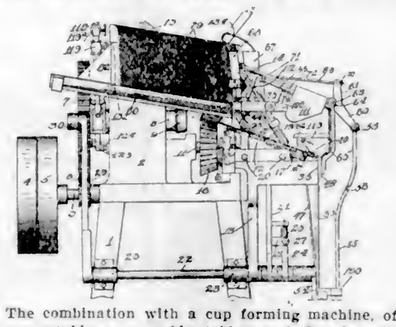
1. In a typewriting machine having a platen and a case-shift mechanism, a ribbon-vibrating mechanism and means for selectively controlling the printing zones of a bichrome ribbon, a set of plain alphabetical and numeral printing types in the lower case, a set of alphabetical

and numeral upper-case perforating types, and means controlled by the platen-shift mechanism to shift the



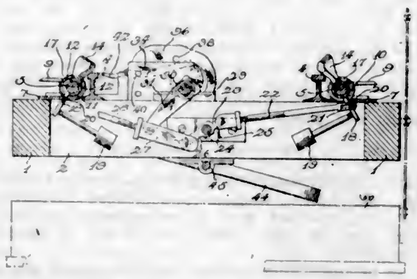
ribbon-vibrating mechanism so as to present the upper field of the ribbon to the upper-case types and the lower field of the ribbon to the lower-case types.

1,584,745. AUTOMATIC CUP-BLANK-FEED ATTACHMENT FOR CUP-FORMING MACHINES. RUDOLPH HOLMAN, Chicago, Ill., assignor to The Vortex Mfg. Co., a Corporation of Illinois. Filed Nov. 13, 1922. Serial No. 600,623. 62 Claims. (Cl. 271—1.)



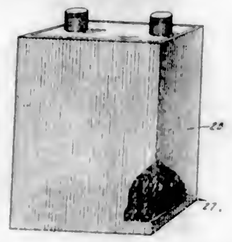
1. The combination with a cup forming machine, of a stationary table, a movable table, a shaft adapted to be reciprocated by the machine, a lever mechanism connected with the movable table and operable by said shaft for reciprocating the movable table, a second lever mechanism operable by said shaft, and a cup blank feeding attachment mounted on the machine adapted to be operated by said second lever mechanism.

1,584,746. AUTOMATIC LOCK AND RELEASE FOR MINE CARS. JOHN ELMER JONES, Throop, Pa. Filed Sept. 27, 1924. Serial No. 740,278. 6 Claims. (Cl. 187—97.)



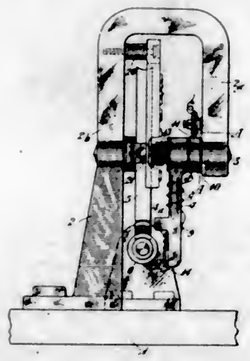
5. The combination of rails, horns mounted at the sides of the rails and normally projecting over the same, yieldable means holding the horns in normal position, a rock shaft between the rails, lost-motion connections between said shaft and the horns, a shouldered disk connected with the rock shaft, a dog normally engaging said disk, and means for releasing the dog.

1,584,747. STORAGE-BATTERY ELEMENT. THOMAS K. LEWIS, Albany, N. Y. Filed June 28, 1922. Serial No. 571,503. 9 Claims. (Cl. 136—74.)



1. As an article of manufacture adapted for use as a storage battery element, a cable comprising a plurality of entwined lead wires; said wires having integral outer portions of spongy lead.

1,584,748. CIRCUIT CONTROLLER. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 10, 1919. Serial No. 329,801. 2 Claims. (Cl. 200—92.)

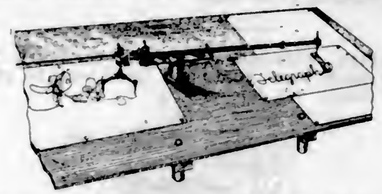


1. In combination, a rotating disc of magnetic material, a contact arm of magnetic material mounted concentrically with said disc, an electro-magnetic device for at all times attracting said arm to said disc and causing the same to rotate therewith, means normally tending to disengage said arm from said disc, and a contact point operated by said arm.

1,584,749. CIPHERING DEVICE. GILBERT S. VERNAM, River Edge, N. J., and DONALD B. PERRY, Yonkers, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 12, 1924. Serial No. 749,509. 3 Claims. (Cl. 35—13.)

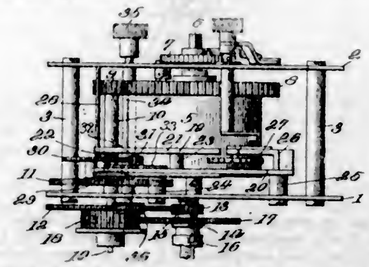
1. A ciphering device comprising a supporting member, a horizontal member slidably and rotatably attached

to said supporting member, writing mechanism rigidly attached to one end of said horizontal member, writing mechanism associated with the other end of said hori-



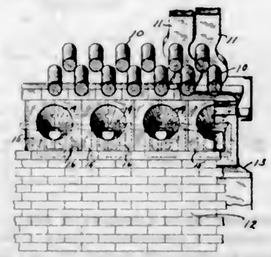
zontal member, and means controlled by the slidable motion of said member to impart a rotary motion to said last mentioned writing mechanism.

1,584,750. CLOCK MECHANISM. SIDNEY C. VINCENT, Baltimore, Md. Filed Mar. 2, 1921. Serial No. 449,025. 2 Claims. (Cl. 58—7.)



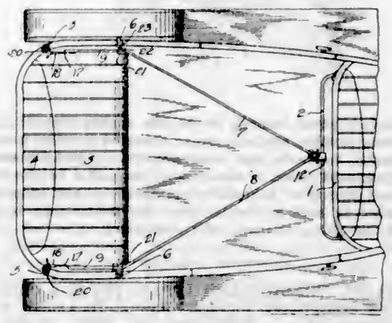
1. A clock mechanism comprising front and rear plates in spaced relation to each other, a spring barrel mounted between the plates and provided with a driving gear at its rear end, a shaft journalled between the plates and provided at its rear end with a pinion in engagement with the driving gear of the drum, said shaft being also provided at its forward end with two gear wheels, a stub shaft mounted on the front plate, two sleeves mounted on said stub shaft, one for the minute hand, and one for the hour hand, a gear wheel mounted on each sleeve and in mesh with the wheels on the first mentioned shaft, whereby the rotation of the rotary shaft will communicate a movement to the sleeves in proper ratio, an escapement bridge secured solely to the front plate and containing an escapement train, a train of gears between the first mentioned shaft and the escapement train whereby said escapement train is driven.

1,584,751. BOILER FURNACE. EDWARD H. WELLS, Montclair, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 9, 1921. Serial No. 490,855. 3 Claims. (Cl. 122—379.)



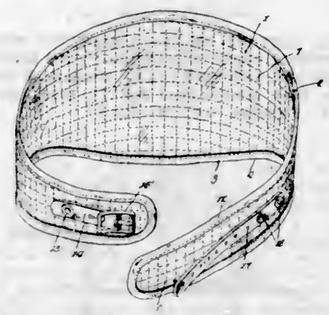
1. In a furnace for a boiler having horizontally extending water tubes connecting water compartments at their ends, a refractory wall beneath and adjacent to the ends of the tubes, refractory tiles at the upper part of the wall and having a horizontally extending series of openings formed therein which are enlarged inwardly to permit entry of a tool selectively therethrough and access to the lower water tubes, metal framing outside the row of tiles and having access openings registering with the openings in the tiles, and movable closures for the framing openings.

1,584,752. WINDSHIELD. LULU M. WRAGG, Spokane, Wash. Filed Jan. 27, 1925. Serial No. 5,033. 2 Claims. (Cl. 296—85.)



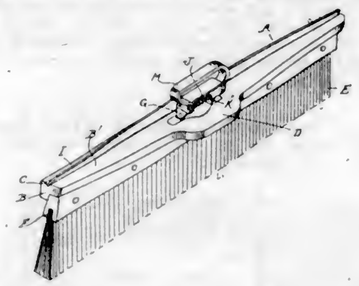
1. A windshield for automobiles comprising a pair of flexible aprons having converging front ends and spaced parallel rear ends and detachable fastening means therefor, a single fastening member and detachable connections co-acting therewith on the converging front ends of said aprons, intermediate slidable clamps on the rear ends of the aprons to maintain them at an angle to the front converging ends, and detachable anchoring devices on said clamps.

1,584,753. BODY BELT. WILLIAM X. YORK and MINNIE B. YORK, Clinton, Ind. Filed Oct. 4, 1922. Serial No. 592,260. 1 Claim. (Cl. 2—43.)



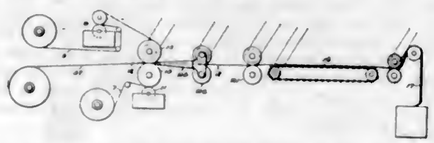
A body belt comprising a flexible body portion formed of washable material and having free end portions, straps extending longitudinally of the end portions of said body and adapted to be adjustably connected one with the other to tighten the belt about the wearer, and removable fasteners releasably securing said straps to said body and each including an inner section engaging the inner face of the body and having a penetrating prong passed outwardly through the body and strap to be secured, and an outer section engaging the outer face of the strap and releasably connected with the outer end portion of said prong whereby said fasteners and straps may be removed when the body portion is washed.

1,584,754. PAPER-HANGING DEVICE. WILLIAM R. YOUNG, Bainbridge, Ga. Filed Feb. 25, 1924. Serial No. 695,102. 7 Claims. (Cl. 216—7.)



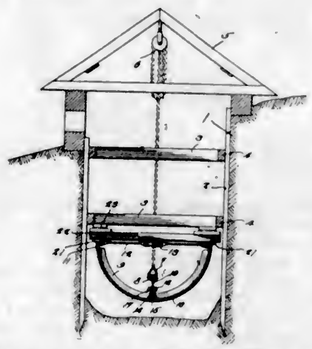
1. In a paper hanging device, the combination of a supporting member having a brush mounted thereon, a clamp hingedly mounted upon said member, a spring normally holding said clamp in closed position, and a handle rigidly mounted upon said clamp adjacent to said supporting member in such a position that the device may be held and the clamp released with one hand.

1,584,755. METHOD AND APPARATUS FOR PRODUCING COMPOUND PAPER. EDWARD H. ANGIER, Framingham, Mass. Filed June 23, 1923. Serial No. 647,311. 9 Claims. (Cl. 154—1.)



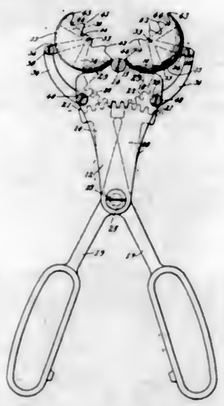
1. That method of reinforcing paper which comprises applying the ends of fibers to the paper, buckling the fibers by longitudinal compression and securing them to the paper in buckled condition.

1,584,756. METHOD OF AND APPARATUS FOR MOVING FORMS USED IN CONSTRUCTING MONOLITHIC SEWERS AND THE LIKE. MICHAEL F. DOUGHERTY, St. Paul, Minn. Filed Feb. 17, 1926. Serial No. 88,856. 8 Claims. (Cl. 25—131.6.)



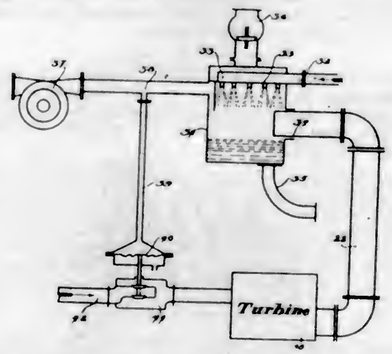
1. The combination with spaced trolleys, and means for adjustably supporting the trolleys within a trench, of a form, a beam extending longitudinally therein and supporting the form, said beam being supported by the trolleys and shiftable longitudinally relative thereto to become disengaged from the trolleys successively, said trolleys, when disengaged, being movable into position for reengagement by the beam.

1,584,757. ICE-CREAM DISHER. WILLIAM B. DOW, Waltham, Mass. Filed July 8, 1925. Serial No. 42,154. 5 Claims. (Cl. 107—48.)



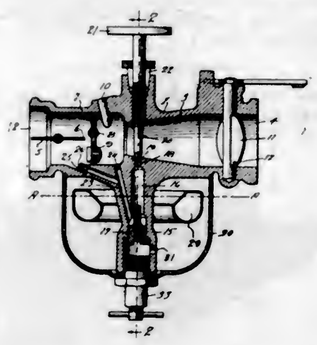
1. An ice cream disher comprising a rigid holder, composed of side members rigidly connected and spaced apart, a sectional mold composed of a pair of cups pivoted to and projecting from one end of the holder, a pair of handles pivoted to and projecting from the opposite end of the holder and movable simultaneously in opposite directions, and means supported by the holder for transmitting motion from the handles to the cups to open and close the mold.

1,584,758. HEAT-CONSERVING APPARATUS. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Nov. 21, 1917, Serial No. 203,261. Divided and this application filed May 19, 1920. Serial No. 382,653. 7 Claims. (Cl. 60—94.)



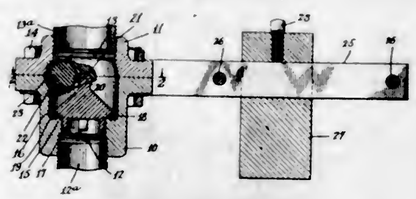
1. The combination of a feed-water heater, a water-inlet means therefor, a steam-inlet means, a feed-water discharge means, air-discharge means for said heater including a pump, and means responsive to pressure in said air-discharge means to control the admission of steam to said heater.

1,584,759. CARBURETOR. GEORGE A. EYNON, Parma Heights, Ohio. Filed Mar. 14, 1925. Serial No. 15,477. 4 Claims. (Cl. 261—41.)



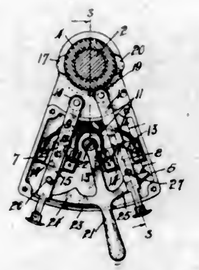
1. A carburetor comprising a body portion having a mixing chamber and an air supply duct leading to said chamber, a nozzle for liquid fuel, a conduit surrounding the said nozzle and extending therefrom toward the mixing chamber, there being a restricted outlet by which the conduit may discharge into the mixing chamber, an air valve in said duct adapted to permit the passage of air at all times to said mixing chamber, there being a restricted passage for air communicating at one end with the said conduit and at its other end with the said duct on the atmosphere side of the air valve, and a needle valve adjustably controlling the delivery of fuel and air from the said outlet to the mixing chamber.

1,584,760. RELIEF VALVE. FRED C. FANTZ, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Apr. 9, 1921. Serial No. 460,040. 1 Claim. (Cl. 137—53.)



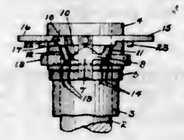
A relief valve comprising a valve casing having a lower inlet and an upper outlet port and formed with an annular rim around the inlet port constituting a valve seat, a pressure responsive valve of conical form seated on said valve seat, a plurality of guide projections formed integral with said valve and adapted to engage the inner peripheral wall of the valve seat to insure proper seating of the valve, a ball portion on the apex of said valve, a rotatable shaft projecting through the opposite walls of the casing, a valve arm secured at one end to said shaft and formed at its opposite end with a socket adapted to receive the ball shaped portion of the valve, and an arm carrying an adjustable weight and terminating at one end in a yoke, the arms of which engage the free ends of the rotatable shaft.

1,584,761. SWITCH. JOHN A. FISCHER, Toledo, Ohio. Filed Mar. 27, 1925. Serial No. 18,665. 1 Claim. (Cl. 200—59.)



An electric switch adapted to be arranged contiguous a rotatable steering part having spaced projections thereon, comprising a case, a pair of spaced sets of contact elements in said case, reciprocable members for said sets adapted for engagement therewith and each having a part movable into the path of one of said projections when the respective member is moved to circuit closing position whereby predetermined turning movement of the steering part causes a projection to engage and return said member to normal position, manually operable means on said members extending outwardly from the case to enable said members to be individually reciprocated, and a lever pivoted at one end to said case between said sets of contacts and having its opposite end portion projecting outside the case for manual operation, laterally extending arms on said lever, and cam surfaces on the end portion of said arms for engagement with said reciprocable members for moving one or the other of said members to circuit closing position.

1,584,762. CIRCUIT CLOSER. JOHN A. FISCHER, Toledo, Ohio. Filed Oct. 14, 1925. Serial No. 62,370. 2 Claims. (Cl. 200—59.)

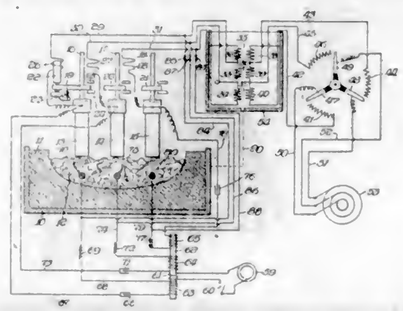


1. In a device of the character described, the combination with a steering mechanism of a relatively stationary bracket, oppositely positioned contact terminals carried by said bracket, a steering post, a manually operable arcuately shaped lever in close juxtaposition to and partially surrounding said steering post and pivoted to said bracket, contact terminals on said lever engageable with the terminals on said bracket, and cam means connected to a part of said steering mechanism and engageable with said arm for returning said arm to normal position upon a predetermined movement of said steering post in either direction.

1,584,763. SYSTEM AND METHOD FOR OPERATING ELECTRIC FURNACES. RALPH JARVIS GAUDY, Chicago, Ill., assignor of one-half to Edson O. Sessions, Chicago, Ill. Filed July 31, 1918. Serial No. 247,494. 26 Claims. (Cl. 204—64.)

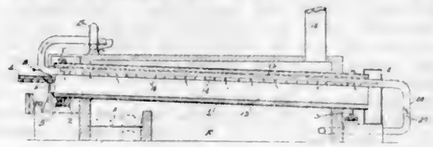
1. In a system for operating electric furnaces, the combination of a receptacle for material to be heated, an electrode, means for causing a main electric current

flow through said electrode and material to heat the latter, means for impressing upon said electrode and material a high tension electromotive force, and protective



means for preventing discharge from said high tension electromotive force from the windings of the source of said main current.

1,584,764. DRYING MECHANISM AND THE LIKE. SAMUEL GERTZ, Cleveland, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 26, 1922. Serial No. 597,150. 9 Claims. (Cl. 34—6.)

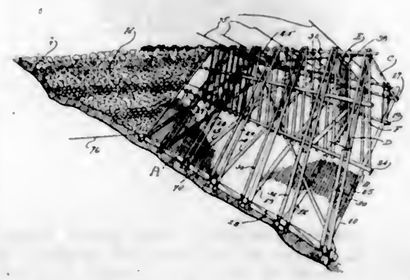


4. In mechanism of the character described, the combination of a heating chamber; a rotary cylinder located therein; and means for abstracting the vapors or gases that arise from material being treated in said cylinder, said means including a relatively stationary duct extending longitudinally of said cylinder adjacent the upper wall thereof and provided with a series of shielded spaced openings.

1,584,765. BUTTONLESS TROUSERS. MOTT G. GILLETTE, Garden City, N. Y. Filed May 12, 1923. Serial No. 638,595. 1 Claim. (Cl. 2—236.)

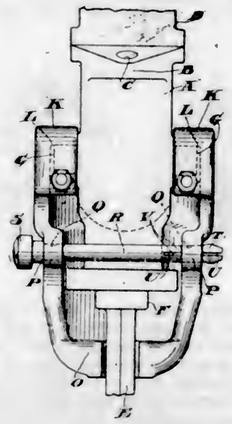
A trouser structure having a hip engaging portion composed of fabric, a thin interior lining secured to the hip engaging portion of the trousers near the upper end thereof, circular rows of stitching forming between said lining and said fabric a continuous open circular pocket, a substantially non-bendable circular band housed within said pocket, circular rows of stitching for holding said band in position in the pocket passing therethrough adjacent its upper and lower edges, a plurality of spaced metallic fasteners fixedly secured to said non-bendable band and passing through said thin lining with open ended sockets at the inner side of the lining, said fasteners being obscured from view at the exterior of the trousers by the fabric constituting the hip engaging portion thereof and being capable of supporting the trousers without causing a buckling of the fabric when attached to supporting clasps.

1,584,766. DIKE. FRANK E. GORDON and ZENUS A. FRISBIE, Kansas City, Mo. Filed June 23, 1925. Serial No. 39,147. 5 Claims. (Cl. 61—3.)



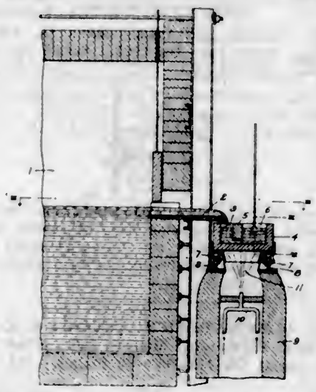
1. A dike comprising a body including a base frame formed of longitudinally and transversely extending mud sills, a front and a rear longitudinally extending frame formed of spaced timbers, transverse and longitudinally extending partitions formed of spaced timbers, and wire screening secured to the lower frame and to the rear frame.

1,584,767. STEEL RETAINER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 10, 1925. Serial No. 42,645. 6 Claims. (Cl. 121—32.)



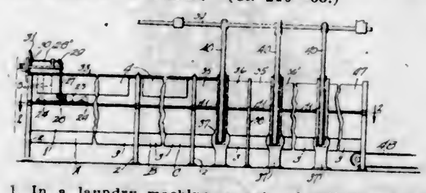
1. In a steel retainer for rock drills, the combination of a front head with a collared implement inserted into the front head, trunnions on the front head and offset from the longitudinal axis of the machine, a retaining member supported by the trunnions, and means insertable transversely through the retaining member to cooperate with the front head for holding said member in retaining position.

1,584,768. MANUFACTURE OF SHEET GLASS. CHARLES HENRY HARDING, Fort Smith, Ark. Filed Feb. 8, 1926. Serial No. 86,680. 5 Claims. (Cl. 49—83.1.)



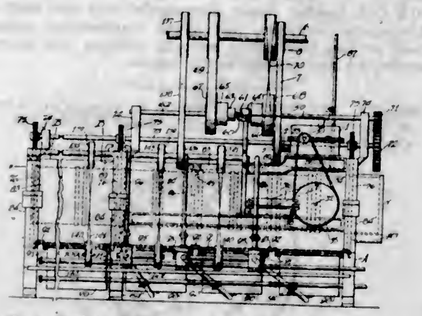
1. The method of manufacture of sheet glass which comprises developing the sheet from a body of molten glass and during the operation shifting the line of sheet-development in its own direction.

1,584,769. LAUNDRY MACHINE. EPHRAIM L. HURD, Oklahoma City, Okla. Filed Oct. 11, 1923. Serial No. 667,964. 6 Claims. (Cl. 210—63.)



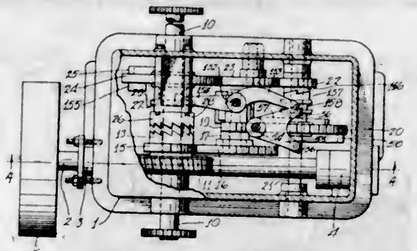
1. In a laundry machine, a pair of cylinders axially aligned with each other, a pulley disposed between said cylinders and having its axis aligned with the axes of said cylinders, and rollers carried by said pulley, and contacting with said cylinders.

1,584,770. WASHING MACHINE. EPHRAIM L. HURD, Oklahoma City, Okla. Filed Apr. 28, 1924. Serial No. 709,616. 5 Claims. (Cl. 68—18.)



4. In a device of the type described, a sectional rotor including guide channel irons, clothes containers movable through said rotor, container moving bars slidably disposed in said channel irons, means carried by said bars for moving said containers when said bars are moved in one direction, and means for reciprocating said bars.

1,584,771. MECHANICAL MOVEMENT. EPHRAIM L. HURD, Oklahoma City, Okla. Filed May 12, 1924. Serial No. 712,545. 3 Claims. (Cl. 74—7.)



1. A mechanical movement comprising a casing, a driving shaft, a driven shaft, a gear loosely mounted on said driven shaft, means for connecting and disconnecting said gear to and from said shaft, said means comprising a second gear loosely mounted on said driven shaft, a cam carried by said second named gear, a clutch mounted on said driven shaft, a clutch arm actuated by said cam, said clutch connecting and disconnecting said first named gear to and from said driven shaft, said second named gear being operatively connected to said driving shaft.

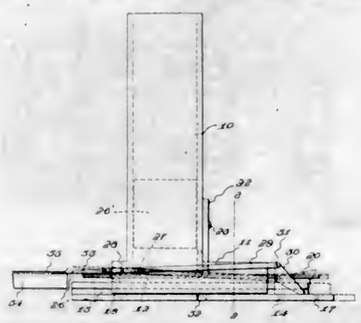
1,584,772. RADIATOR CONSTRUCTION. ROLLIN M. HYDE, Detroit, Mich. Filed Feb. 17, 1923. Serial No. 619,612. 1 Claim. (Cl. 257—129.)

A radiator comprising an upper header having a bottom wall and a rear wall, a lower header having top, bottom and rear walls, outer water conducting members having the upper ends thereof connected to and terminating at the bottom wall of the upper header and the lower ends thereof connected to and terminating at the upper wall of the lower header, inner air conducting members extending through some of said outer members with the lower ends of said air conducting members connected to and terminating at the bottom wall of the lower header and the upper ends of said air conducting members being angularly formed within the upper header and connected to and terminating at the rear wall of said upper header, and heat disseminating members on said inner and outer conducting members between said headers.

1,584,773. CARD-FEEDING MECHANISM. WALTER M. INGRAM, Sudbrook Park, Md., assignor, by direct and mesne assignments to The Sanitary Tea Bagging Company, Baltimore, Md., a Corporation of Maryland. Filed July 15, 1925. Serial No. 43,889. 4 Claims. (Cl. 271—44.)

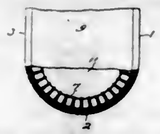
1. A card feeding apparatus comprising a chute, a slide operating in a plane perpendicular to the lower end of the chute, said slide presenting a bifurcated upper sur-

face, means within the chute for supporting one end of the stack of cards in said chute, means to move said supporting means in timed relation to the action of the slide, occupying at one limit of its movement a position in



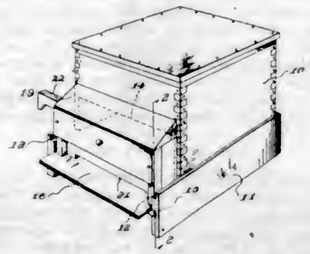
the bifurcation and in its other limit above the surface of the slide, a stop positioned to limit the movement of a card in one direction, and a lip positioned to maintain a moving card in frictional engagement with the slide.

1,584,774. MANUFACTURE OF RECEPTACLES. HENRY JEPSEN, West Hartford, Conn., assignor to Jewell Belting Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 19, 1925. Serial No. 57,291. 8 Claims. (Cl. 69—21.)



1. The method of forming receptacles of pieces of leather or the like, which consists in providing the edge of one of the pieces to be secured with stitching, the loops of which are drawn tight against the outer surface of the piece and drawn away from the inner surface of the piece, forming the other piece of outer and inner plies with an intermediate ply of sheet cementing material, treating the cementing ply with solvent, fitting the edge of the composite piece to the edge of the stitched piece with a ply inside and a ply outside of the stitch lips, and holding the plies in this relation until the cementing material intermediate the plies has become set.

1,584,775. BEEHIVE. MEGORDICH M. JONIAN, Chelsea, Mass. Filed May 21, 1925. Serial No. 31,844. 5 Claims. (Cl. 6—4.)

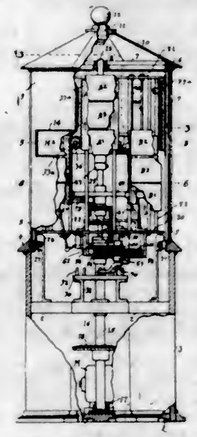


1. An attachment for a bee hive presenting an opening in the front wall, said attachment comprising a base for supporting said hive, a slide slidably inserted into the base and under the hive and maintaining said opening, and a portico carried by the slide proportioned to cover the opening, said portico being provided with a baffle affording indirect ventilating introduction of air through said portico.

1,584,776. PENCIL HOLDER. HANS G. JORGENSEN, Erie, Pa. Filed July 10, 1923. Serial No. 650,731. 4 Claims. (Cl. 24—3.)

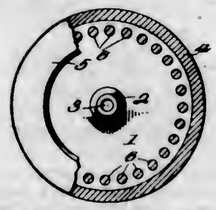
1. A pencil holder comprising a frame having opposing walls and overlapping flaps of rubber, each flap extending entirely across the frame mounted on said walls and adapted to receive by flexure a pencil between them.

1,584,777. DISPLAY DEVICE. FREDERICK C. KAISER and FREDERICK H. KAISER, Muncie, Ind. Filed May 14, 1924. Serial No. 713,166. 10 Claims. (Cl. 40—33.)



1. A wall having a range of spaced windows therein, a carrier, card racks movable on the carrier and at a right angle to the windows, means to shift the carrier a distance equivalent to the space between the windows, means to move the card racks, devices to actuate the card rack moving means coincidently with the shift of the carrier, a driver, and power transmitting connections between the driver and the shifting and moving means and the said actuating devices.

1,584,778. TOY WHEEL. HARRY T. KINGSBURY, Keene, N. H. Filed May 26, 1922. Serial No. 563,786. 2 Claims. (Cl. 301—63.)

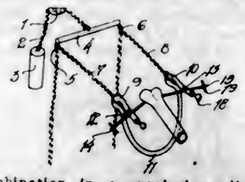


2. A wheel for toys composed of a disk of sheet metal or the like, and a rubber tread portion simulating an automobile tire casing with a thickened tread portion and a bead portion at the free edge of the rubber, said tread portion being molded around the outer periphery of the disk and vulcanized thereto, said disk extending into said thickened tread portion to a point presenting substantially a uniform thickness of rubber between its periphery and the tread surface.

1,584,779. CHEMICAL GARDEN AND METHOD OF MAKING THE SAME. GEORGE C. KRUG, Milwaukee, Wis., assignor to The Garden Novelty Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 5, 1925. Serial No. 54,677. 2 Claims. (Cl. 41—41.)

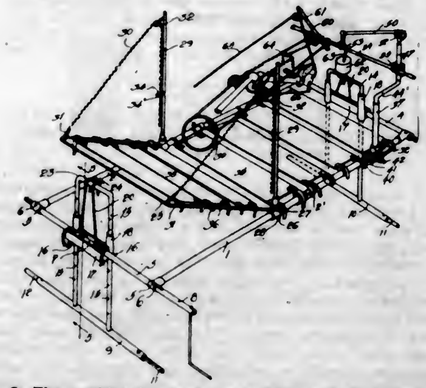
1. The process of making a chemical garden, which comprises adding to a water solution of a silicate a plurality of different salts of the heavier metals.

1,584,780. SURGICAL APPLIANCE. MITCHELL LANGWORTHY, Spokane, Wash. Filed Apr. 11, 1925. Serial No. 22,337. 4 Claims. (Cl. 128—84.)



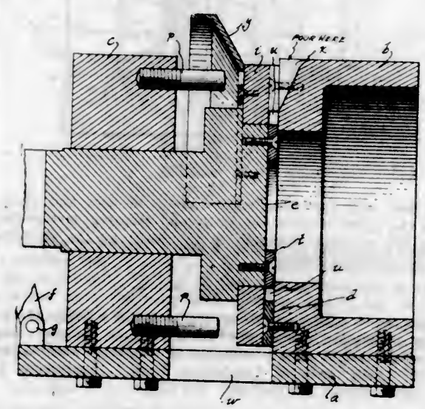
1. The combination in a surgical appliance with a suspended weighted frame, of a U-shape yoke flexibly connected therewith and formed with parallel extension bars, and complementary opposed caliper pins carried by said bars adapted to hold a bone against traction.

1,584,781. PORTABLE FRACTURE BED. MITCHELL LANGWORTHY, Spokane, Wash. Filed Apr. 11, 1925. Serial No. 22,338. 6 Claims. (Cl. 128—84.)



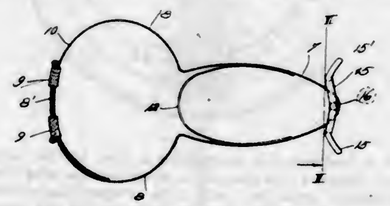
2. The combination in a convertible stretcher-bed with a main frame having end bars and operating shafts carried thereby, of stationary supports, slidable guide devices on the stationary supports rigid with said end bars, suspending cables anchored to said supports and operatively connected to said shafts, and means co-acting with said slidable guide devices for retaining the main frame in vertically adjusted position.

1,584,782. RING-MOLDING APPARATUS. HARRY S. LEE, Plymouth, Mich. Filed June 20, 1925. Serial No. 38,426. 4 Claims. (Cl. 22—154.)



1. An apparatus for casting rings, comprising two permanent mold sections arranged to have relative movement toward and away from each other, and when closed together, forming an annular chamber to receive the molten metal, one of the mold sections comprising two parts forming the side and inner mold walls and arranged to have relative movement for stripping the solidified ring when it adheres to one of said parts.

1,584,783. RING-COMPRESSING TOOL. HARRY J. LESLIE and EARL RABY, St. Joseph, Mo. Filed Dec. 22, 1924. Serial No. 757,501. 4 Claims. (Cl. 29—86.4.)

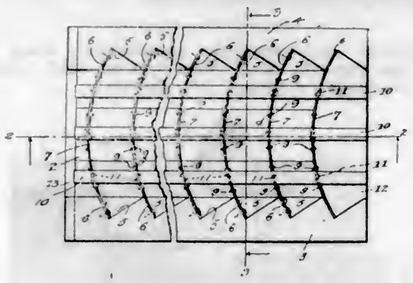


1. A ring-compressing tool comprising a ring-engaging portion composed of spring metal segments having adjustable overlapping end portions, one of said end portions having guiding means for slidingly engaging the other end portion and exerting a straightening action thereon, a handle portion connected with said segments and operative to contract the latter into spring-compressing relation, and a device mounted slidingly on said handle portion and cooperating therewith to retain said segments in ring-clamped relation.

1,584,784. MOLD. ROBERT A. LOVELACE, Merced Falls, Calif. Filed Nov. 1, 1924. Serial No. 747,203. 1 Claim. (Cl. 25—121.)

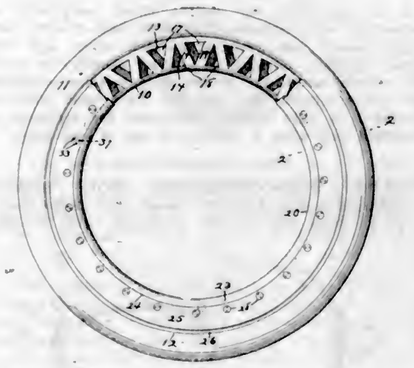
A concrete mold structure comprising a frame having a floor and provided at the side edges of the floor with upstanding walls, said walls being provided at their

inner surfaces with V-shaped notched which extend from the upper to the lower edges of the walls, arcuate partition members having their end portions received in the



notches, said partitions resting upon the floor and bridging the space between the walls and securing devices fixing the partition members to the walls at the surfaces of the notches therein.

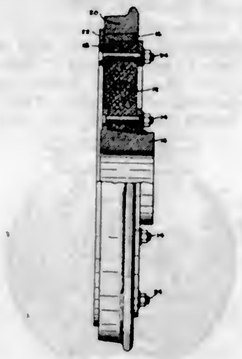
1,584,785. RESILIENT WHEEL TIRE. CHARLES D. MCCOLLOUGH, Des Moines, Iowa, assignor, by direct and mesne assignments, to himself, E. F. Lewis, and George W. Lewis, both of Cambridge, Iowa. Filed Sept. 4, 1923. Serial No. 660,795. 5 Claims. (Cl. 152—1.)



5. A resilient tire comprising a base portion adapted to be attached to a rim, and a tread portion, said tire being formed with two series only of apertures extending from its lateral sides substantially to but not crossing its median line, each of said apertures being of substantially isosceles triangular form in cross-section, the apertures on one side being staggered relative to and overlapping the apertures on the other side and alternate apertures on each side differing in size and being inverted relative to the others, whereby mathematically uniform displacement of material and consequent uniform resilience is obtained.

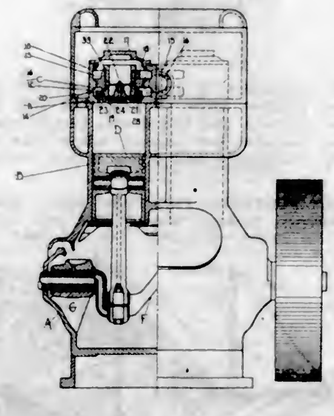
1,584,786. WHEEL FOR USE ON TRACKS. JOHN J. MACKAY, Minneapolis, Minn. Filed Aug. 23, 1924. Serial No. 733,719. 2 Claims. (Cl. 295—15.)

1. A wheel for use on tracks comprising a wheel body having a web portion and a ring-like portion surrounding said web portion, and extending out therefrom, the outer surface of said ring-like portion being uniformly tapered, a detachable track engaging rim having an inner surface uniformly tapered from one side to the other to fit upon said outer tapered surface, a plurality of clamps spaced around the wheel with their outer ends, engaging an



outer marginal side wall of said rim and their inner ends engaging said wheel body on the side thereof which is of lesser diameter, and bolts passing through said clamps and through said body portions.

1,584,787. VALVE MECHANISM FOR COMPRESSORS. FRANCIS C. MARSHALL, Green Bay, Wis., assignor to C. A. Lawton Co., De Pere, Wis. Filed June 26, 1923. Serial No. 647,891. 2 Claims. (Cl. 230—34.)

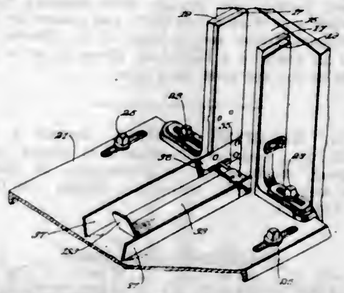


1. A valve mechanism for compressors, the combination of a cylinder head having an intermediate web to form an upper intake chamber and a lower outlet chamber, said head being formed with vertically aligned upper, intermediate, and lower openings, a closure cap detachably engaged in the upper opening, a dividing collar removably engaged in the intermediate opening, a two-part valve cage unit in the lower opening, means detachably securing the parts of the cage unit together, said cage unit having inlet and outlet ports concentrically arranged relative to each other and communicating with the respective chambers, valves controlling said ports, a packing gland removably held in the dividing collar, and a packing between the gland and upper part of the valve cage unit.

1,584,788. STAPLING MACHINE. ARTHUR H. MAYNARD, Warwick, R. I., assignor to Boston Wire Stitcher Company, East Greenwich, R. I., a Corporation of Maine. Filed June 10, 1922. Serial No. 567,303. 16 Claims. (Cl. 1—3.)

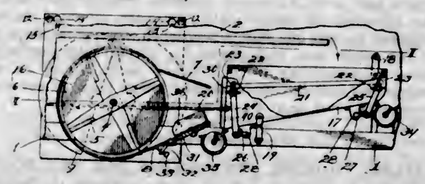
1. In a stapling-machine, the combination of a staple-carrying arm having divergent ears at its forward end, a socket inserted between said ears to seat thereagainst, a staple-driver slidably mounted on the arm at the front of the socket and bearing thereagainst to hold said socket in place between the ears on the arm, and a spring pocketed in said socket and arranged to act on the driver to maintain the latter in raised position while adapting it to be slid downwardly to operate on the staples.

1,584,789. MACHINE FOR HANDLING BLANKS. RALPH S. MEGATHLIN, West Somerville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 12, 1923. Serial No. 624,477. 8 Claims. (Cl. 271—61.)



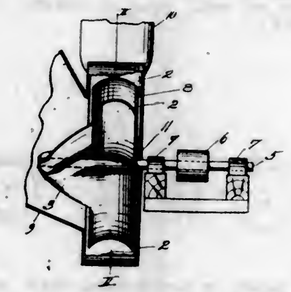
1. Mechanism for handling blanks comprising means for holding a stack of blanks and for feeding blanks one by one from the bottom of the stack, and a carrier supported in position to permit a second stack to be built upon it while the members of the first stack are being fed, said carrier being movable to place the second stack in position to be engaged by the feeding means when the members of the first stack have been fed.

1,584,790. WIND-CONTROL MECHANISM FOR THRASHING MACHINES. LARKIN J. MILLER, Rea, Mo. Filed Nov. 10, 1924. Serial No. 749,072. 5 Claims. (Cl. 230—11.)



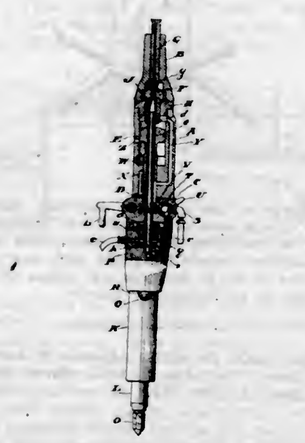
1. In a separator, the combination of a casing having inlet and outlet openings, a blower in said casing, a series of adjustable deflectors secured along the edge of said outlet opening whereby the current of air may be laterally deflected, and means for adjusting said deflector.

1,584,791. BLOWER-FAN CASE FOR THRASHERS. LARKIN JOHN MILLER, Rea, Mo. Filed Nov. 24, 1924. Serial No. 751,850. 2 Claims. (Cl. 302—37.)



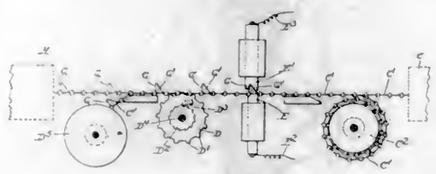
1. The combination with a cylindrical fan casing having a central side opening and a peripheral discharge opening, of a chute leading to the side opening and a tube leading from the peripheral opening, and a fan in the casing having a spiral conveyor projecting through the side opening into the chute, the conveyor tapering to a point from the inner ends of the blades of the fan.

1,584,792. DOUBLE TUBE. JOHN F. MOCK, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 28, 1925. Serial No. 33,398. 3 Claims. (Cl. 121—8.)



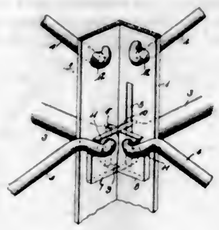
1. In a fluid actuated rock drill, the combination of a percussive cylinder with a feeding cylinder, a back head for the percussive cylinder, a head block forming a closure for the feeding cylinder, a water tube supported at one end within the head block extending through the back head and the percussive cylinder into a drill steel, a collar near one end of said tube, an air tube supported at one end within the head block and extending through the water tube, a collar near one end of said air tube to abut the end of the water tube for preventing movement of the air tube in one direction, and means arranged forwardly of the collar on the water tube to cooperate with the second said collar and with the head block for securing the tubes in position.

1,584,793. PROCESS OF MANUFACTURING STEEL CONVEYER CHAINS. GEORGE L. MOREHEAD and FRANK S. O'NEIL, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 29, 1924. Serial No. 746,478. 7 Claims. (Cl. 59—8.)



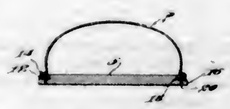
1. The process of manufacturing chain, which consists in stamping from strip stock links each having a hook at one end surrounding the pintle of the adjacent link, electro-welding to the links of said chain, after its formation, elements projecting from said links, and subsequently hardening the welded links by heat treatment.

1,584,794. STEEL DERRICK OR STEEL TOWER. JAMES E. MURPHY, Midwest, Wyo. Filed Dec. 11, 1924. Serial No. 755,307. 3 Claims. (Cl. 189—19.)



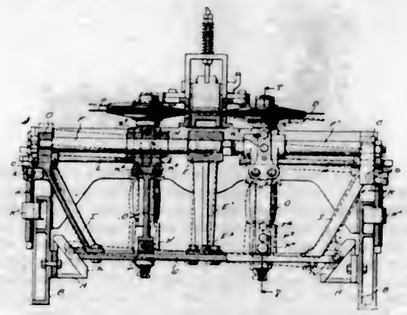
2. A tower of the character described, comprising a plurality of legs, each of an angle iron formation, transverse girths connecting said legs, interlocking means carried by adjacent cooperating girths, each passing through an aperture in one of said legs, and means for retaining said girths in an interlocked position.

1,584,795. BOOT OR SHOE. GEORGE F. NAUGEL, Medford, Mass. Filed Aug. 2, 1923. Serial No. 655,230. 5 Claims. (Cl. 36—16.)



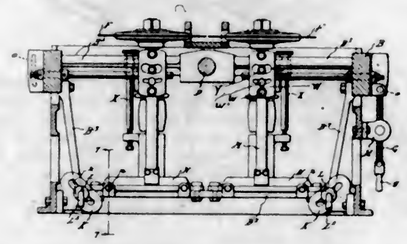
1. The method of making boots and shoes consisting in preparing a sole, splitting the edge of said sole into two tongues by forming a channel therein, inserting the edge of an upper in said channel and folding the upper around the inner tongue, and then securing the upper to the sole by stitching passing through the two tongues and through the portions of the upper on the opposite faces of the inner tongue.

1,584,796. RESAWING MACHINE. JOSEPH A. NEAL, Mobile, Ala., assignor of one-half to Stover Lumber Company, Mobile, Ala., a Corporation of Alabama. Filed Mar. 5, 1925. Serial No. 13,291. 17 Claims. (Cl. 143—4.)



1. A resawing machine comprising a main supporting frame having vertical guideways on opposite sides thereof, an auxiliary frame supported intermediate its ends on a rock-shaft journaled in bearings carried by said main frame and having its ends slidably fitted in said guideways; said auxiliary frame extending across said main frame substantially at right angles to said rock-shaft and having twin circular saws mounted thereon, one at each side of said rock-shaft, and means for tilting said auxiliary frame and securing it in different positions at an angle to a horizontal plane, so as to adapt the saws to cut the stock on a bevel.

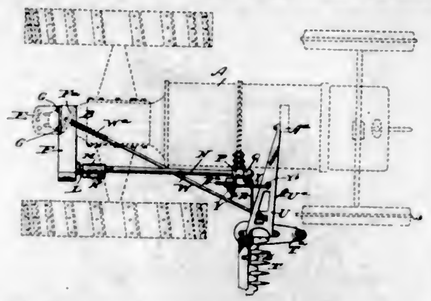
1,584,797. RESAWING MACHINE. JOSEPH A. NEAL, Mobile, Ala., assignor of one-half to Stover Lumber Company, Mobile, Ala., a Corporation of Alabama. Filed Mar. 5, 1925. Serial No. 13,292. 16 Claims. (Cl. 143—4.)



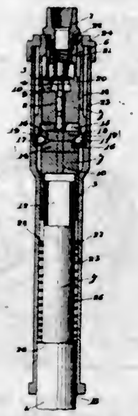
1. In a sawing machine, a main supporting frame having mounted thereon an auxiliary frame pivotally supported intermediate its ends and extending obliquely across said main frame and carrying twin circular saws, the mandrels on which said saws are mounted being arranged so that one saw is positioned slightly in advance of the other saw, and means for tilting said auxiliary frame and securing it in different positions, so as to change the angle of the saws and adapt them to cut the stock on a bevel or at an oblique angle.

1,584,798. MOWING ATTACHMENT FOR TRACTORS. RALPH B. OTWELL, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a Corporation of Michigan. Filed July 23, 1925. Serial No. 45,676. 7 Claims. (Cl. 56—25.)

1. In combination with a tractor including its drive shaft and transmission housing; a crank arm secured to the drive shaft; a housing for the crank arm bolted to the transmission housing; a rock shaft; a pitman connecting said rock shaft with the crank arm; a mowing unit including a cutter bar; and means connecting the rock shaft with the cutter bar for reciprocating the latter.



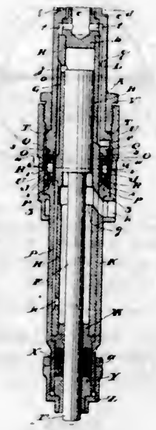
1,584,799. HANDLE FOR PERCUSSIVE RAMMING TOOLS. ROBERT F. PAGE, deceased, late of Athens, Pa., by John M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 5, 1925. Serial No. 60,633. 4 Claims. (Cl. 121—36.)



1. In a fluid actuated percussive ramming tool, the combination of a percussive element, a rearwardly extending handle rod, a handle head block, a normally closed spring pressed valve in said head block, a sliding valve actuating sleeve over said head block, an outer slidable handle sleeve engaging said valve actuating sleeve and extending partially over the handle rod, and a spring between the handle rod and handle sleeve, whereby the valve may be actuated by movement of the handle sleeve and the shock of the percussive element is partially absorbed by said handle spring.

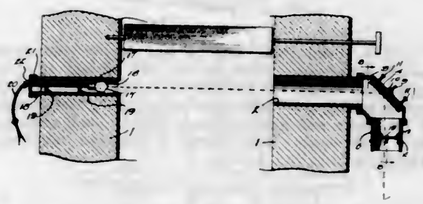
1,584,800. VALVE FOR PERCUSSIVE RAMMING TOOLS. ROBERT F. PAGE, deceased, late of Athens, Pa., by John M. Felt, administrator, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 5, 1925. Serial No. 60,634. 4 Claims. (Cl. 121—18.)

1. In a fluid actuated percussive ramming tool, the combination of a handle element, a manually controlled inlet valve carried thereby, a cylinder, a reciprocating piston, an exhaust port in the cylinder controlled by the piston, front and back cylinder casings extending over the cylinder, a fluid actuated distributing valve located in a valve chamber formed between said casings, means



for holding said cylinder casings together over the cylinder, ports in the cylinder, and passages between the cylinder and casings communicating with said ports and the said valve chamber, whereby pressure fluid is supplied to both ends of the cylinder.

1,584,801. ATTACHMENT FOR BOILERS. WINNFIELD RUSSEL PENDER, Houston, Tex. Filed Apr. 3, 1923. Serial No. 629,703. 1 Claim. (Cl. 88—14.)

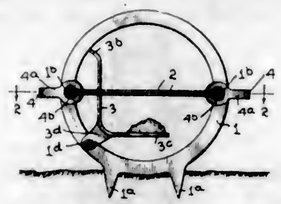


An attachment for oil fired burners having a gas outlet provided with oppositely arranged alined horizontal openings communicating therewith comprising a lamp supporting member arranged in one of said openings, a mirror casing arranged in the other of said openings, a hirror holder mounted in said casing, a threaded pin carried by said mirror holder substantially centrally thereof and projecting loosely through said casing, a nut mounted on said pin, adjusting means carried by said casing and contacting with the outer portions of said mirror holder, a mirror mounted in said holder and adapted to reflect rays of light from a lamp in said lamp supporting member and a sight tube communicating with said mirror casing.

1,584,802. ANIMAL TRAP. EMIL HENRY PIECZKO, Hammond, Ind. Filed Sept. 19, 1925. Serial No. 57,405. 3 Claims. (Cl. 43—93.)

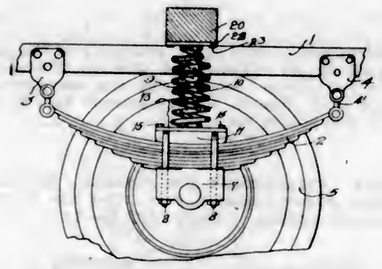
1. A trap of the class described comprising a frame, movable pairs of jaws mounted on said frame, means for holding said pairs of jaws in set position, comprising an L shaped trigger pivotally mounted within

said frame, the lower portion of said trigger comprising means for simultaneously releasing said pairs of jaws, the last named means comprising a bait retaining pan,



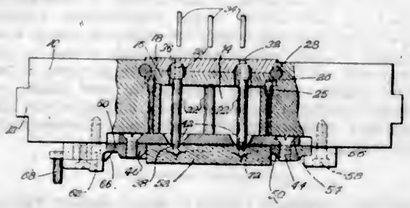
and means for springing the trap and holding said pairs of jaws after release consisting of U shaped springs positioned upon and acting on adjacent extremities of opposed pairs of jaws.

1,584,803. SPRING DEVICE. JOSEPH POHL, Spokane, Wash. Filed Aug. 23, 1924. Serial No. 733,727. 3 Claims. (Cl. 267—28.)



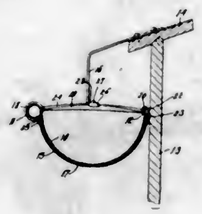
1. The combination with a leaf spring and frame and a spring block fixed to the lead spring, of a coil spring and means for attachment to said block, said coil spring having a normally free upper end, a fixed member of the frame, and a coil spring anchored to and suspended from said member and having a free end telescoping within the first coil spring.

1,584,804. NAILING DIE. JOSEPH H. POPE, South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 12, 1923. Serial No. 612,254. 10 Claims. (Cl. 1—32.)



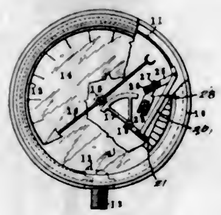
1. A nailing die having a plurality of self adjusting nail guiding tubes supported to permit free transverse movement of their nozzle ends in all directions, and a work engaging pattern member arranged to engage said nozzle ends to control the pattern of the nailing.

1,584,805. GUTTER HANGER. MAX RACHLIN, New York, N. Y. Filed Apr. 15, 1924. Serial No. 706,730. 2 Claims. (Cl. 108—29.)



2. A gutter hanger comprising a bar extending transversely of the gutter and provided at its outer end with a hook-shaped section fitting over the bead of the gutter, the opposite end of said bar being adapted to be engaged with the opposite edge of the gutter, a strap member forming a continuation of said hook-shaped section tightly embracing the underface of the gutter and engageable with the opposite end of said bar, and means upon said strap member to permit longitudinal expansion and contraction of the hanger.

1,584,806. INDICATING DEVICE. WILLIS B. RICE, New York, N. Y., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Nov. 18, 1922. Serial No. 601,679. 1 Claim. (Cl. 73—109.)

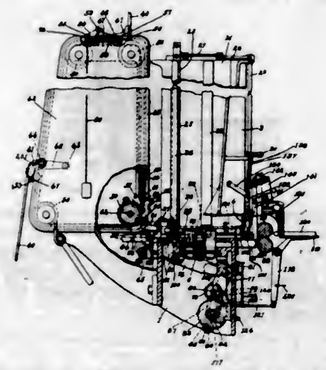


A pressure gage comprising a scale having two series of graduations, a movable index cooperable successively with the graduations of the two series, a Bourdon tube whose free extremity is normally free to move in a given path in direct ratio to successive increments in pressure in the tube, connections between said end of the tube and the index, an arm provided with an elongate slot at one end, a set screw engaging said slot for holding the arm in adjusted position but permitting both angular and longitudinal adjustment of the arm, a stop pin projecting from the arm, and a link having pivoted connection with the end of the Bourbon tube, said link having an elongate slot for the reception of the stop pin.

1,584,807. FEED MECHANISM. WILLIAM THOMAS BUCKINGHAM ROBERTS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 31, 1922. Serial No. 598,229. 20 Claims. (Cl. 271—44.)

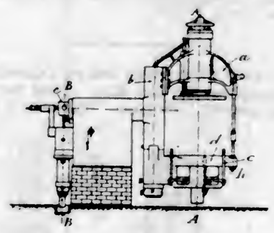
8. Mechanism for handling blanks comprising a magazine for a stack of blanks, means for feeding blanks from the bottom of the stack, a presser for engaging the top of the stack, means tending at all times to

urge the presser downwardly, said presser having a flat upper face to permit the operator to place a succeeding stack in the magazine on top of the presser, and



means for withdrawing the presser from the magazine when the members of the preceding stack have been fed out of it without disturbing the succeeding stack.

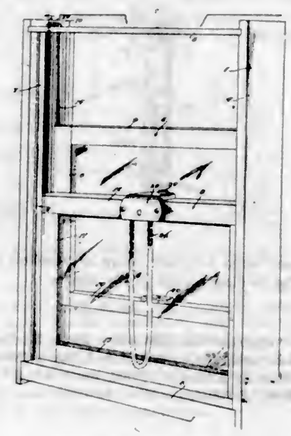
1,584,808. ROTARY MOLDING MACHINE. EUGÈNE VICTOR RONCERAY, Choisy le Roi, France. Filed Sept. 6, 1922. Serial No. 586,545. 5 Claims. (Cl. 22—26.)



1. A rotary molding machine comprising a vertical rotatable support, a movable table adapted to pivot about one end of said support and provided with an unmolding plate, a stationary press head secured on the other end of siad support and comprising a cylinder, a piston movable within said cylinder and adapted to exert the pressing action towards the table and to be raised thereafter for permitting the unmolding, means for lifting said unmolding plate and means for rotating said support about a horizontal axis.

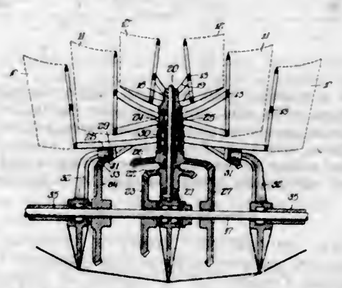
1,584,809. WINDOW STRUCTURE. WILLIAM T. ROOK, Fort Scott, Kans. Filed June 4, 1924. Serial No. 717,819. 4 Claims. (Cl. 20—52.)

1. In a window, the combination with the frame and upper and lower sashes slidable vertically therein, of flexible connections at opposite sides of the window secured at one end to the respective sides of the top sash, guides at the top of the frame for the flexible connections which pass thereover, a drum frictionally mounted on the lower sash and having the other end of the flexible connections wound thereon, and an endless member supported by the drum and extending within convenient reach



to be operated to positively rotate the drum to wind or unwind the flexible connections to raise or lower the upper sash.

1,584,810. PROPELLER FOR HELICOPTERS. GEORGE S. SARGENT, Chicago, Ill. Filed Nov. 18, 1925. Serial No. 69,748. 3 Claims. (Cl. 244—19.)

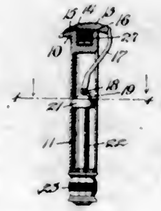


1. A propeller, comprising three concentrically arranged outer middle and inner sections, each of which is set in advance of the inwardly adjoining section and is provided with a plurality of helically disposed blades which are concave in cross section and are widened progressively from their entering to their trailing edges, and means for rotating the outer and inner sections in one direction and the middle section in the opposite direction with the entering edges of the blades of all of the sections moving at substantially the same speed.

1,584,811. RAZOR AND BLADE HOLDER THEREFOR. JACOB SCHICK, Jersey City, N. J., assignor to Magazine Repeating Razor Company, a Corporation of New Jersey. Filed Apr. 3, 1924. Serial No. 703,863. 20 Claims. (Cl. 30—12.)

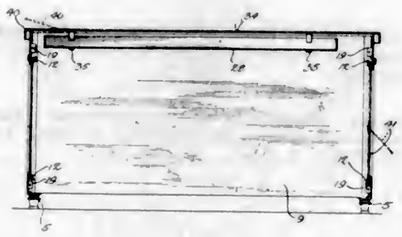
1. The combination of a razor having means for feeding separate blades successively to shaving position, with

a blade holder containing a stack of separate blades and adapted to fit into the razor said holder being readily at-



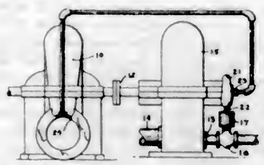
tachable and when attached being in position to co-operate with the feeding means of the razor.

1,584,812. RADIATOR COVER. PAUL E. SCHLEICHER, Gary, Ind., assignor to Schleicher, Inc., Chicago, Ill., a Corporation of Illinois. Filed June 13, 1925. Serial No. 36,998. 8 Claims. (Cl. 189—2.)



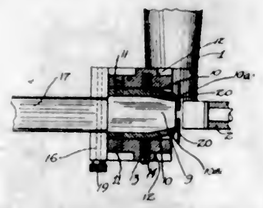
1. In a radiator hood, a frame comprising posts and connecting rails, said rails and posts having inwardly offset seats, panels supported in said seats, hollow mouldings fitting said seats for confining said panels in said seats and means for securing said moulding to said frame, parts of said means being concealed in said mouldings.

1,584,813. GOVERNOR. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1925. Serial No. 58,035. 4 Claims. (Cl. 103—12.)



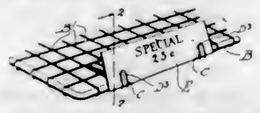
1. The combination of a pump for providing fluid under pressure for a variable volume fluid system, a prime mover for driving the pump, a fluid pressure operated governor for controlling the prime mover, and means for developing fluid pressure for operating the governor which is a function of the speed of the prime mover and the pressure of fluid developed by the pump.

1,584,814. ARTICLE RECEIVER. WALTER H. SERGENT, Middletown, N. Y., assignor to Ideal Wrapping Machine Company, a Corporation of New York. Original application filed Jan. 9, 1922, Serial No. 527,828. Divided and this application filed Dec. 28, 1923. Serial No. 683,138. 4 Claims. (Cl. 93—2.)



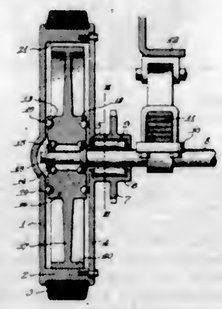
1. In a candy wrapping machine, a discharge box, a support therefor having an outwardly extending element, yielding means supported upon said element for yieldingly maintaining said box in position.

1,584,815. LABEL CLIP. WILLIAM T. SCHERER, Chicago, Ill. Filed June 20, 1925. Serial No. 38,478. 7 Claims. (Cl. 40—11.)



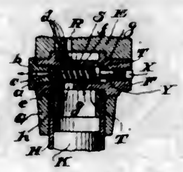
4. In a clip for use with mesh shelving, a spring member adapted yieldingly to grasp the outer element of the mesh, a label support associated therewith, and a member projecting rearwardly therefrom and adapted to interlock with the mesh.

1,584,816. VEHICLE WHEEL DRIVE CONSTRUCTION. LOUIS SIMEONOFF, Detroit, Mich. Filed Oct. 19, 1923. Serial No. 669,476. 1 Claim. (Cl. 305—7.)



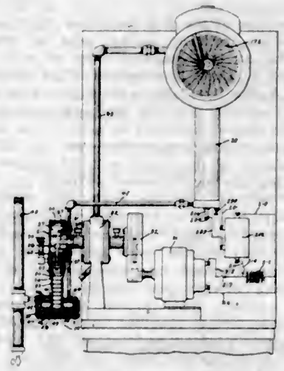
In a motor driven vehicle wherein power is applied to a wheel, a stationary axle, a hub on the outer end of said axle, a wheel rim carried by said hub, a hollow closed drum enclosing said hub and wheel rim, said drum having its inner annular wall engaged by said wheel rim, anti-frictional bearings between the ends of said hub and the side walls of said drum, a bearing housing carried by the inner side wall of said drum, anti-frictional bearings in said housing about said stationary axle, and a power transmission wheel forming part of said bearing housing.

1,584,817. GRADUATED AIR-FEED RELIEF FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 5, 1922. Serial No. 592,488. 4 Claims. (Cl. 121—9.)



1. A controlling device for the air feeding element of a fluid actuated rock drill comprising a valve chest, a plurality of spaced supply ports and relief port means in said valve chest, a reciprocatory valve in the valve chest to control the supply ports, said valve being hollow and provided with apertures extending through the side of the valve to communicate with the said relief port means, manually operable means to move said valve in one direction to close the supply ports and open the relief port means gradually whereby air in the air feed element may be gradually released, and means in the valve for automatically moving the valve in the opposite direction.

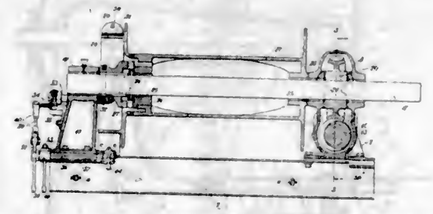
1,584,818. CALORIMETER. HARRY F. SMITH, Dayton, Ohio, assignor to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Aug. 11, 1922. Serial No. 581,175. 28 Claims. (Cl. 73—184.)



1. In a calorimeter of the character described, a combustion chamber, a heat responsive strip within said chamber; indicating mechanism, comprising an indicating needle: lever mechanism, means for connecting said lever mechanism to said heat responsive strip, and means for connecting said mechanism to said indicating needle, each of said connecting means comprising a flexible strap.

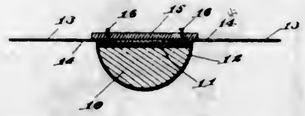
1,584,819. WINCH. TEMPLE C. SMITH, Nutley, ALBERT E. FREEMAN, Netcong, and GEORGE D. SIMONDS, Newark, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed June 14, 1924. Serial No. 720,071. 9 Claims. (Cl. 254—187.)

7. In a winch, a supporting frame therefor, a shaft extending longitudinally of said winch, a drum mounted thereon, bearing members mounted on said supporting frame for symmetrically journaling said shaft with respect to the axis of said members, said bearing members and shaft being adapted to be interchangeably positioned on said supporting frame, driving means associated with one of said bearing members and adapted to be interchangeably positioned transversely therein so as to be driven by power applied forwardly and rearwardly thereof to rotate said shaft, control means for said drum associated with the opposite bearing member and operated from one side of the supporting frame, said control means



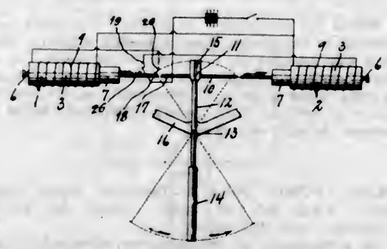
including a clutch member for connecting and disconnecting said shaft and drum and a brake member for said drum, and means associated with said bearing members and extending longitudinally of the winch for transferring the control means to one side of the supporting frame in the reversed position of the drum and shaft whereby said control means are operated from the opposite side of the supporting frame.

1,584,820. METHOD OF LASTING SHOES. CHARLES B. SPALSBURY, St. Louis, Mo., assignor to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed May 2, 1924. Serial No. 710,555. 1 Claim. (Cl. 12—145.)



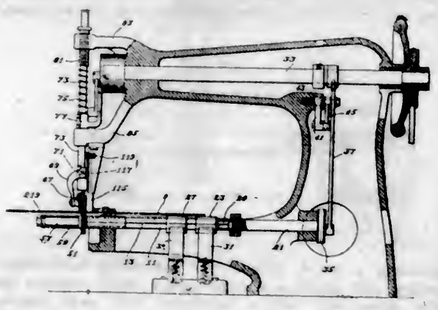
The improved process of lasting the toe portion of shoes of the McKay type which consists in placing a box toe in position on the shoe structure, lasting the upper thereover and into position on the insole, temporarily fastening the lasted members with wire, removing the wire after the box has become set, cutting away the surplus lining and box toe material, re-lasting the toe portion, holding the upper in position, placing the outsole in position and tacking through the outsole, upper, and into the insole.

1,584,821. WINDSHIELD CLEANER. HARRY G. SPARKS, Jackson, Mich. Filed Mar. 4, 1922. Serial No. 541,051. 1 Claim. (Cl. 15—253.)



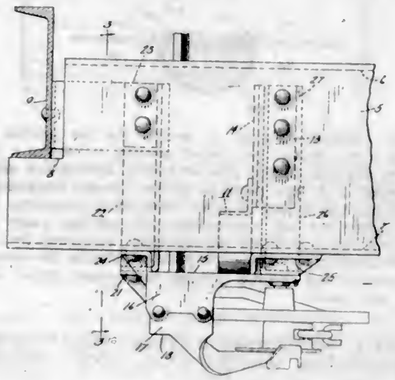
A windshield cleaner comprising two spaced motors, a cleaner arm pivoted between the motors and connections between the motors and the cleaner arm for alternately moving said cleaner arm in opposite directions about its pivot, and means for alternately energizing said motors in accordance with the movement of the cleaner arm.

1,584,822. EDGE-FINISHING MACHINE. EDWARD M. SPENCE, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 5, 1924. Serial No. 697,028. 19 Claims. (Cl. 69—1.)



9. A machine for finishing the edge of a piece of sheet material having, in combination, a shrinking tool in the form of a roll, means for holding the piece with its margin pressed against the roll, and means for rotating the roll.

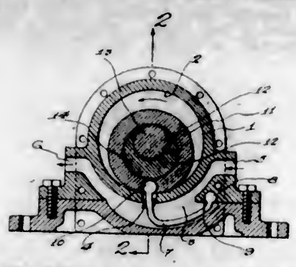
1,584,823. MOUNTING FOR BRAKE GEARS. SVEN JULIUS STRID, Chicago, Ill., assignor to Fred Mathews, Chicago, Ill. Filed Mar. 22, 1926. Serial No. 96,512. 12 Claims. (Cl. 74—121.)



1. Means for mounting a brake-gear comprising a car center-sill, a transverse beam extended laterally therefrom, a gear housing the upper portion is secured to said center-sill and said beam, and an oblique brace extended from said housing to said center-sill, said brace disposed in a vertical plane parallel with said beam and transverse to said center-sill.

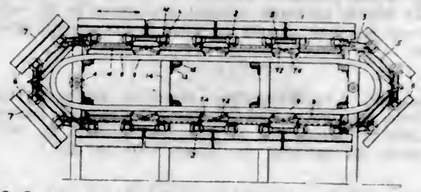
1,584,824. PUMP. JOHN B. TEESDALE, Grand Rapids, Mich. Filed Feb. 23, 1923. Serial No. 620,759. 2 Claims. (Cl. 230—30.)

1. In a structure of the character described: a body having a cross-sectionally circular chamber horizontally disposed axially, and a passage having an intake and a port to the lower portion of the chamber at a lower level than the bottom of the passage toward its intake; a cross-sectionally circular piston within, and diametrically smaller than, the chamber, in axially-parallel relation therewith; means for travelling the piston about an axis parallelly offset from its axis; a closure extending



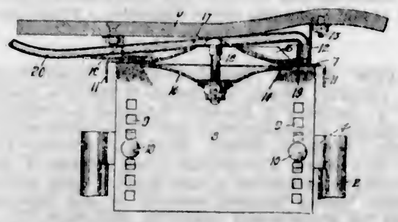
transversely of the passage and through, and in spaced relation from the sides of, the port and fittingly connected to the piston and the body.

1,584,825. BAKING MACHINE FOR WAFERS AND THE LIKE. ROBERT GEORGE TUGENDHAT, Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Filed Aug. 18, 1924. Serial No. 732,764. 6 Claims. (Cl. 107—58.)



3. In a machine of the type described, the combination with an endless train of baking pans, of wheel supports provided at two opposite sides of each pan, of wheels carried by the said supports, of an endless track having two flights—one above the other—and arranged for the said wheels carrying the said pans to travel on, of electric heaters provided in each of the said pans, of sets of rather long brushes—one set for each pan—arranged parallel to the said track, of flexible conductors connecting the said brushes of each pan with its heaters, of holders—one for each pan—made of insulating material, fixed to the said wheel supports and loosely carrying the said conductors, the ends of the latter being fixed to the said brushes, of stationary endless busbars arranged in correspondence to the said brushes gliding thereon and carried in an insulating manner by supports fixed to the frame work of the machine, and of springs provided at the said holders and so arranged and adapted as to press the said brushes against the said busbars with due force.

1,584,826. ARTICLE OF FURNITURE. CLEMENT R. UHL, Toledo, Ohio, assignor to The Toledo Metal Furniture Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 30, 1923. Serial No. 635,429. 5 Claims. (Cl. 155—95.)

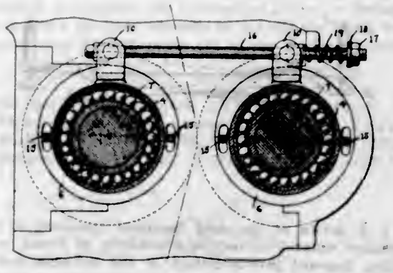


1. In an article of the class described, a base member and a top member each having broad coacting surface portions provided with coaxial conical portions, and a swivel member coaxially connecting the conical portions of said meeting surfaces.

1,584,827. LOCKER LOCK. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1921. Serial No. 455,029. 5 Claims. (Cl. 70—14.)

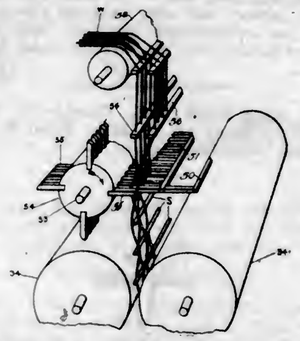
1. A front for lockers and the like, comprising a door, a door casing, co-operating latching members secured respectively to said door and said casing, a slidable plate upon said door and separate means for locking said plate to one of said latching members and to a fixed part of the door, said locking means being separately operable to unlock said door.

1,584,828. ANTIFRIARING DEVICE. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 24, 1921, Serial No. 455,347. Renewed Sept. 4, 1925. 18 Claims. (Cl. 101—219.)



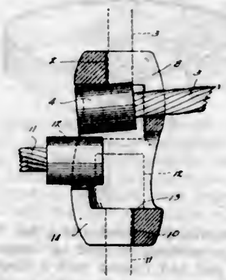
1. In a printing press, the combination with a printing couple, of boxes for the journals thereof, a bearing at the end of each journal in its box, a housing for each bearing, means extending from one housing to the other on each side of the press for connecting said housings, and means constantly acting on said means to force the housings circumferentially in opposite directions.

1,584,829. LOOM. OSCAR A. ANDERSON, Cambridge, Mass. Filed Dec. 5, 1923. Serial No. 678,772. 28 Claims. (Cl. 139—18.)



1. In a loom, the combination with means for supporting two series of warp strands, of rotary means for moving one series of strands inwardly toward the other, and sliding means for moving the other series inwardly toward the other to cross them and form a single ply multiple shed.

1,584,830. CABLE-CONNECTING DEVICE. DONIS M. BARDON, Seattle, Wash. Filed Aug. 10, 1925. Serial No. 49,338. 6 Claims. (Cl. 24—123.)



2. In combination, a pair of cables having ends equipped with retaining enlargements and a connecting block having cable receiving openings at its ends and having an interior space adapted to receive and functionally contain said enlargements in end to end interlocked relation against displacement, and having a lateral opening through which one of said enlargements may be displaced and disconnected from the block after the other enlargement has been manually displaced laterally from normal functional position within the said interior space.

1,584,831. HAIR CRIMPER. CLARENCE F. BENJAMIN, Milford, Conn. Filed Feb. 14, 1925. Serial No. 9,083. 1 Claim. (Cl. 132—41.)

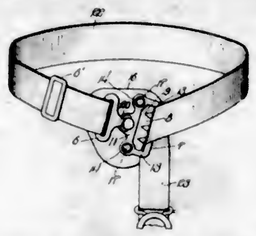
A foldable hair crimper, comprising a pair of pivoted elongated separable jaws normally closed and in contact throughout the greater part of their length and having their heel ends diverging beyond the pivotal

point, and a resilient bow-shaped wire handle whose inner terminals are hooked under tension through the extremities of said diverging ends and thereby act to normally close said jaws, both of the outer ends of the latter having notches that aline when the jaws are closed and that are automatically engageable with the outer end of said handle when the jaws are closed and folded inwardly.

1,584,832. GOLF-BALL TEE. CHARLES F. BENNEKE, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 758,509. 7 Claims. (Cl. 273—33.)

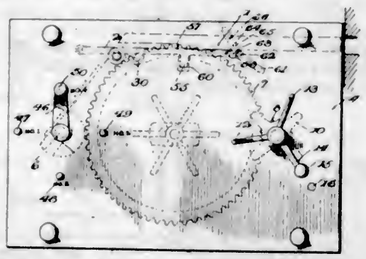
4. A support for a ball, including a body portion and an integral prong separated from the body portion and extending centrally therefrom and at an angle to the said body portion.

1,584,833. GARTER. LEE E. BERRY, Chicago, Ill. Filed Nov. 15, 1923. Serial No. 674,974. 1 Claim. (Cl. 241—6.)



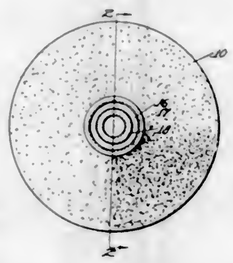
A garter, comprising a band and a tab formed of one piece of elastic webbing, a pad, a clasp member attached to said pad and formed with a longitudinal aperture, web perforating spears formed on one side of said aperture and engaging said webbing on a line forming an angle oblique to the longitudinal edge of the latter, said line forming the division between the band and tab, and a member on the other end of said band adapted detachably to engage said clasp member.

1,584,834. PERMUTATION LOCK. CHARLES FOSTER BLADES, Topeka, Kans. Filed Oct. 30, 1923. Serial No. 671,721. 5 Claims. (Cl. 70—53.)



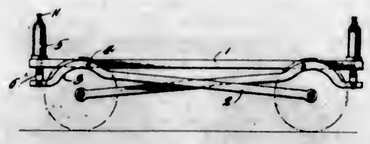
1. In a permutation lock, a plurality of notched rotatable discs, means for causing rotation of said discs, and a resilient braking means for selectively preventing rotation of the discs, said braking means including a rotatable shaft, cams rigidly connected with the shaft, resilient arms in engagement with said cams, a spindle upon which the arms are pivotally mounted, said arms being provided with shoes adapted to be forced into engagement with the rotatable discs.

1,584,835. MEANS FOR HOLDING AND CENTERING GRINDING AND POLISHING WHEELS OR THE LIKE. SVEN MALCOLM BLANCH, Worcester, Mass., assignor to Fleming Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 27, 1925. Serial No. 40,116. 3 Claims. (Cl. 51—168.)



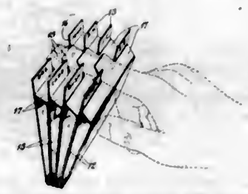
1. The combination with a grinding or polishing wheel having a central passage through it larger than the arbor on which it is to be placed, of a pair of sheet metal discs having shoulders fitting the inner wall of said passage and located opposite each other, each of said sheet metal discs having a bearing at the center to fit the arbor on which the wheel is to be applied.

1,584,836. SPRING SUPPORT. JOSEPH D. BOWERS, Bluefield, W. Va. Filed Apr. 7, 1923. Serial No. 630,574. Renewed Nov. 4, 1925. 3 Claims. (Cl. 267—34.)



1. A device of the class described including a closed cylinder adapted to receive a quantity of liquid, a partition disposed intermediately in the cylinder and provided with an opening forming a valve seat, a valve associated with the valve seat, a tubular valve stem mounted on the valve and slidable through the opening in the partition, and a needle valve adjustably mounted in one end of the cylinder for association with the tubular valve stem, and a spring pressed piston disposed below the partition, said spring normally holding said piston adjacent the partition and said valve opening toward the piston.

1,584,837. RECORD CARD. MARTIN L. BRACKEN, New York, N. Y. Filed Jan. 31, 1925. Serial No. 6,089. 14 Claims. (Cl. 129—16.7.)



1. A plurality of record cards arranged in pack formation, normally concealed indicia on said cards, and bendable means on said cards operable for spacing said cards to expose said indicia.

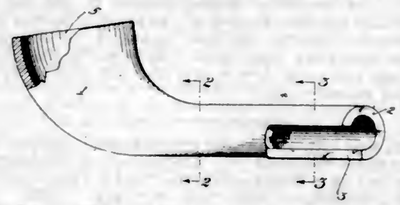
1,584,838. PASTE DISPENSING. ABBOTT P. BRUSH, Greenwich, Conn. Filed Aug. 27, 1925. Serial No. 52,718. 1 Claim. (Cl. 221—60.)

In paste dispensing, the combination with a collapsible paste tube having a discharge neck, of an elastic rubber nipple engaged over said neck and forming both a sealed tube closure and paste holder, said nipple having a highly elastic thin wall of substantially the same thickness throughout and continuous and imperforate normally in the absence of pressure, said wall having a point of cleavage therethrough produced by a fine perforation formed therein while the material of the wall is stretched in an attenuated condition, whereby the natural contractive effort of the rubber is utilized to effectually seal said perforation and whereby when paste is discharged therethrough and the expelling pressure is released, the contractive action in closing the perforation becomes effective to cut off the paste and to squeeze the residual paste out of the closing opening.

1,584,839. RULING-EDGE DEVICE. DAMON W. CAMERON, Boston, Mass., assignor to Arthur F. Probst, Boston, Mass. Filed Feb. 7, 1922, Serial No. 534,667. Renewed Oct. 1, 1925. 2 Claims. (Cl. 33—107.)

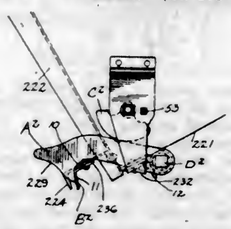
2. A ruling edge device formed of celluloid and having openings therethrough, and balls in said openings, the balls having a greater diameter than the thickness of the device so as to project from both sides thereof and having a slightly greater diameter than the openings so as to embed in the celluloid around the peripheries of the openings and thereby retain their positions when forced into place.

1,584,840. SPOUT. LEON CAMMEN, New York, N. Y. Filed Feb. 17, 1923. Serial No. 619,769. Renewed Apr. 1, 1926. 4 Claims. (Cl. 22—65.)



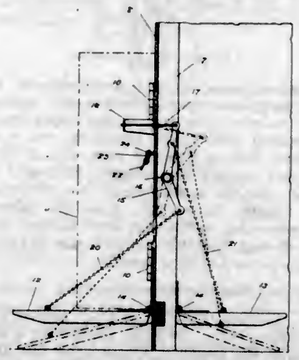
1. A spout for centrifugal casting wherein a part of the wall, for a distance less than one half the total length of the spout, is cut away, near the delivery end.

1,584,841. CAR-DOOR-OPERATING MECHANISM. ARGYLE CAMPBELL and ALBERT E. ZIMMER, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 26, 1921, Serial No. 495,665. Divided and this application filed June 17, 1925. Serial No. 37,613. 11 Claims. (Cl. 105—308.)



1. In a dump car, the combination with a fixed body portion and a door; of a shouldered latch pivotally mounted on the fixed body portion, the shouldered portion of the latch being of arcuate form; and a floor beam fixedly mounted on the door, said floor beam having an extension beyond the door engageable with the shouldered latch, said engaging portion of the extension substantially corresponding in contour to the engaging portion of the latch.

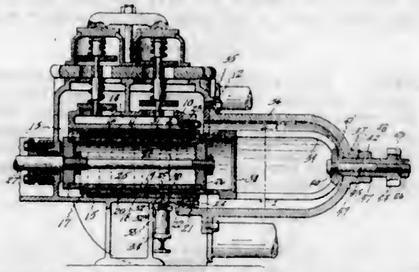
1,584,842. AUTOMATIC DOOR OPENER. CARL ANTON CARLSON, Fort Dodge, Iowa. Filed June 16, 1924. Serial No. 720,403. 1 Claim. (Cl. 268—9.)



A door structure comprising a wall having a door opening, a door hinged to said wall to swing into and out of said opening, a tread hinged to said wall at the lower portion of said opening, an arm carried by said

door at the hinged edge thereof and projecting toward one side from said wall and serving as a stop to limit the opening movement of the door when said arm contacts with said wall, a lever mounted at that side of said wall opposite to said arm, a link connecting said arm and lever, and an operative connection between said lever and tread whereby the depression of the tread swings said lever to pull said link and arm so as to swing the door open.

1,584,843. SLUSH-PUMP STRUCTURE. MONROE W. CARROLL, Beaumont, Tex., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a Corporation of Pennsylvania. Filed Jan. 7, 1924. Serial No. 684,694. 5 Claims. (Cl. 286—14.)



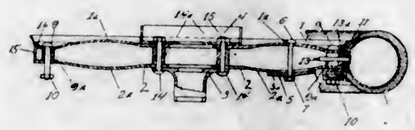
1. In a slush pump, a pump cylinder, a pump casing having a bore forming a plunger working in the cylinder, compressible packing rings in the cylinder supporting the plunger, an elongated cap fastened on one end of the casing, an annular follower engaged in the cylinder for compressing the packing, a yoke rigid with the follower and extending outwardly in the cap, a sleeve screw threaded through the end of the cap and having rotatable engagement with the yoke for longitudinally adjusting the yoke, and a headed stem extending through the sleeve, the yoke being confined between the sleeve and the head of said stem to prevent axial movement of the yoke and follower in both directions.

1,584,844. KEY CASE. HENRY CAVE, Hartford, Conn., assignor to Buxton, Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed Feb. 7, 1924. Serial No. 691,169. 3 Claims. (Cl. 150—40.)

1. The combination with a key case, of a hollow cylindrical member connected thereto and provided with a series of longitudinally spaced and substantially transversely disposed slots in its periphery, and a series of key retaining devices one for each slot pivotally connected to said member for swinging movement into and out of said case, the shank of each key retaining device extending through its slot to guide the device in its swinging movement, and a part fixed to each device and extending through and beyond said slot to function as an auxiliary guide and as a selector.

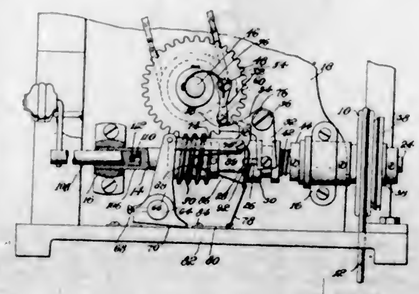
1,584,845. AUTOMOBILE WHEEL. ALBERT J. CHARLTON, Lowden, Iowa. Original application filed Dec. 2, 1922, Serial No. 604,602. Divided and this application filed Feb. 28, 1924. Serial No. 695,721. 6 Claims. (Cl. 301—63.)

5. A wheel comprising a hub, an outer disc having a circumferential flange formed integral therewith at right angles to the plane of the disc, an inner disc secured to the outer disc and having a relatively smaller flange extending in the same direction, means for wedging the flange of the inner disc securely against the inner face



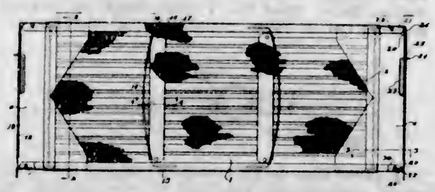
of the flange of the outer disc, means for securing the discs in a fixed spaced relation to each other, a hand hole formed in the outer disc with a suitable cover plate and means for securing the cover plate in position.

1,584,846. CLUTCH MECHANISM. MAX O. CLAUSS, New York, N. Y. Original application filed July 25, 1919, Serial No. 313,415. Divided and this application filed Feb. 13, 1922. Serial No. 536,378. 9 Claims. (Cl. 192—139.)



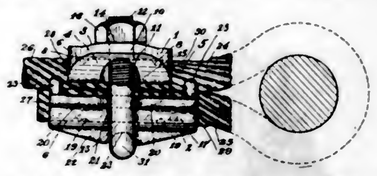
1. A mechanism of the character described comprising a driven member, a power actuated driving member, a clutch mechanism for operatively connecting said members with each other including a spring held shiftable part, a pivoted lever engaged with said clutch part, and an element carried by said driving member and adapted to coact with said lever to shift said clutch part in one direction and disconnect the driving member from the driven member.

1,584,847. WINDOW VENTILATOR. MARSHALL F. CLAY, Canton, Ohio. Filed Nov. 21, 1925. Serial No. 70,486. 5 Claims. (Cl. 98—31.)



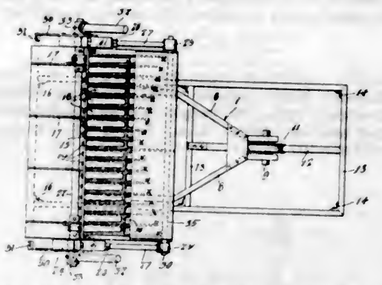
1. A ventilator comprising a metal plate having spaced rows of vanes stamped therefrom and located at an angle to the normal plane of the plate and channel strips attached to the plate between the rows of vanes.

1,584,848. CLAMP. SUMPTER A. CLOWES, Glenshaw, Pa. Filed Aug. 23, 1924. Serial No. 733,670. 6 Claims. (Cl. 24—135.)



1. In a clamp, a section having a recess formed therein adapted to receive a cable, a plurality of bossed pins in said recess, a plurality of upstanding guide pins formed on the upper face of the section, and a plurality of recessed projections on the outer surface of the section adapted to receive a U-bolt therein.

1,584,849. MACHINE FOR MOLDING BUILDING TILES. LESLIE R. COFFIN, Los Angeles, Calif. Filed Jan. 2, 1924. Serial No. 683,955. 8 Claims. (Cl. 25—41.)

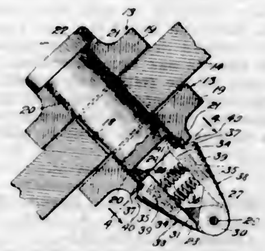


1. In a machine for molding building blocks, the combination of a car, comprising pivotal members forming molding zones, a stationary plate, cores secured to the stationary plate, and guide members secured to said stationary plate, guiding said car into engagement with said plate.

1,584,850. SAFETY PAPER. ALFRED I. CONE, New York, N. Y. Filed May 6, 1925. Serial No. 28,506. 13 Claims. (Cl. 92—21.)

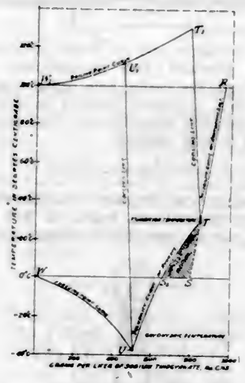
1. A safety paper containing a mercurous salt.

1,584,851. SELF-LOCKING PIN. SETH A. CRONE, East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a Corporation of New York. Filed Feb. 3, 1925. Serial No. 6,507. 4 Claims. (Cl. 85—3.)



1. In brake-beam mechanisms, the parts of the mechanism being brought into face to face relation and having aligned holes therethrough, a detachable self-locking pin to be passed through said holes for securing said parts together, said pin comprising a body-portion having a head on one end and being longitudinally slotted in the other end and having at the base of said slot a transverse recess, a pair of corresponding oppositely disposed locking-members pivoted at their outer overlapping end portions within the outer end of said slot, and a spring interposed between said locking-members acting to press the rear portions of the same outwardly in opposite directions from said slot, said locking members having forwardly tapered body-portions and at their rear ends having arms which are confined to said transverse recess and engage the end walls of the same, shoulders at the forward ends of said arms to extend laterally over the thickness of said end walls and main projections forwardly of the said shoulders said main projections having flat rear surfaces for presentation to the face of the adjacent part of said mechanism, thereby ensuring safety in locking the pin against accidental displacement.

1,584,852. RECOVERY OF THIOCYANATES. MARC DARRIN, Wilkinsburg, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1923. Serial No. 612,918. 13 Claims. (Cl. 23—75.)



1. Those steps in the process of recovering a thiocyanate from an impure solution, which consist in forming a hydrate of the thiocyanate and separating it from the solution, substantially as described.

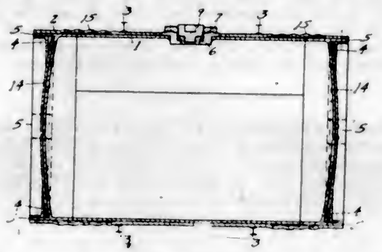
13. As a new article of manufacture, the hydrate of sodium thiocyanate, $NaCNS.2H_2O$, substantially as described.

1,584,853. INFANT'S WRAP. CAROLINE DERN, Milwaukee, Wis. Filed May 22, 1922. Serial No. 562,584. 4 Claims. (Cl. 2—69.)

1. An infant's wrap comprising a substantially square body member having four integral corners, said body member being formed of protecting fabric and adapted to be opened to a flat position wherein it will lie substantially in a single plane throughout its extent, fastening means adapted to detachably secure three corners and their adjacent sides of the fabric in mutual overlapping relation whereby to comprise an envelope, said fastening means being positioned adjacent a plurality of

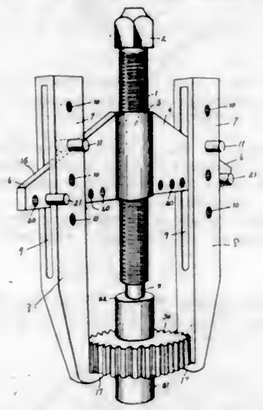
said three corners, the fourth integral corner portion of said member and its adjacent sides being unsecured to said three first mentioned corners and sides and providing a loose protecting cover for the head of an infant having its feet and body extending into the envelope formed by said three first mentioned corners.

1,584,854. LIQUID CONTAINER. COLBY DILL, Woodbridge, and LESTER MARIUS WHITE, Perth Amboy, N. J., assignors, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1923. Serial No. 666,886. 7 Claims. (Cl. 220—63.)



1. A liquid container and an outer protecting casing therefor, each provided with substantially concentric holes therethrough, the casing hole being enlarged about the container hole, a bushing secured on said container in said casing hole and extending into said container, and a bung secured in said bushing.

1,584,855. GEAR OR PULLEY REMOVING TOOL. FREDERICK G. EISENHUTH, Utica, N. Y. Filed Aug. 23, 1924. Serial No. 733,710. 5 Claims. (Cl. 29—85.)



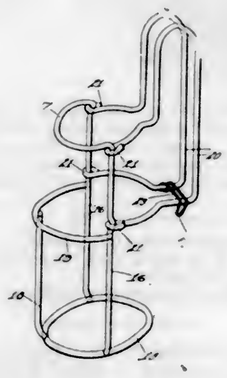
1. In a gear or pulley removing tool, a bolt, a yoke having beveled sides and mounted to travel on said bolt, and jaws having slots mounted to travel on the beveled sides of said yoke, whereby the movement of said yoke will impart a movement of said jaws to aid in withdrawing an object from a shaft.

1,584,856. LIGHT-CIRCUIT INTERRUPTER. CARL H. HAUCK, Chicago, Ill. Filed Apr. 29, 1922. Serial No. 557,247. 2 Claims. (Cl. 177—346.)

2. The combination with a decorative electric light system having incandescent lights formed to simulate well known sources of wavering light, of means for interrupting the current supplied to said system, the interruptions being of sufficient duration to perceptibly dim

the incandescence of said lights without entirely darkening them so as to produce a wavering in the lights of said system similar to that of the sources simulated.

1,584,857. BOTTLE HOLDER. SAMUEL T. HOBBS, Worcester, Mass., assignor to The Washburn Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 19, 1925. Serial No. 31,388. 4 Claims. (Cl. 215—100.)

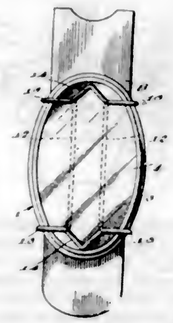


4. As an article of manufacture, a bottle holder comprising a frame consisting of fixed parts which fit the bottom of the bottle and extend half way around it at a point partway between the bottom and top so that the bottle can be inserted and removed without bending or moving any part of the frame, and a pair of handles pivoted to the uprights of said frame at diametrically opposite points and adapted to be swung toward each other at the back to hold the bottle in position in the frame.

1,584,858. TOILET ARTICLE. EMERIK HODALY, Inspiration, Ariz. Filed Apr. 4, 1925. Serial No. 20,841. 2 Claims. (Cl. 137—79.)

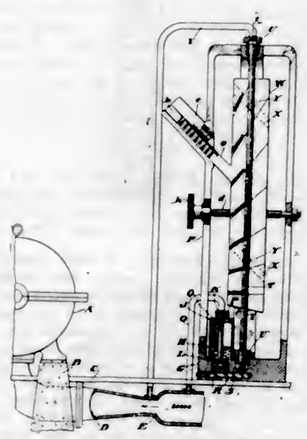
1. A toilet article comprising a mirror, a comb case, a spring clip for releasably supporting said comb case on said mirror, said clip comprising a pair of elongated parallel body portions having laterally turned outwardly

directed substantially U-shaped clamping portions at their ends, the arms of said U-shaped clamping portions lying in planes extending at right angles to the plane



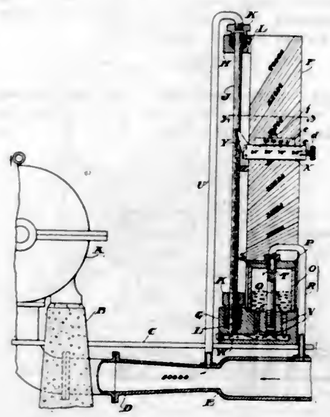
of said body portions, and angular connecting and clamping portions connecting the adjacent ends of the outer arms of said U-shaped clamping portions.

1,584,859. VOLUME-REGULATOR GAUGE. LESLIE R. HUFF, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 26, 1923. Serial No. 647,831. 5 Claims. (Cl. 73—31.)



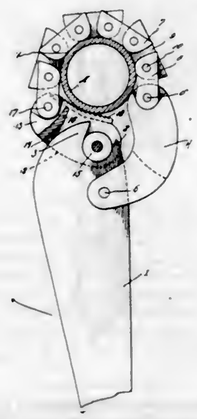
1. A volume regulator gauge for constant volume governing of turbo blowers and compressors, comprising a frame, an adjustable indicating member carried by the frame calibrated in fluid volumes under standard conditions, an arm associated with said indicating member having a scale calibrated in degrees of temperature, a stationary part adjacent said arm calibrated in barometric inches, indicating means subject to intake conditions of the turbo machine and adapted to cooperate with the fluid volume calibrations on said indicating member, and means for adjusting said indicating member so as to move said temperature scale relative to said stationary barometric scale in accordance with changes in barometric conditions, whereby the volume of fluid supplied to the turbo machine may be indicated for atmospheric conditions other than standard.

1,584,860. VOLUME-REGULATOR GAUGE. LESLIE R. HUFF, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 26, 1923. Serial No. 647,832. 4 Claims. (Cl. 73—31.)



1. A volume regulator gauge for constant volume governing of turbo blowers and compressors, comprising a plate calibrated in fluid volume under standard conditions, an indicator plate calibrated in degrees of temperature mounted slidably on said plate, a slide calibrated in barometric inches mounted on said indicator plate, means associated with the intake of the blower and cooperating with the plate and the slide for determining constancy of fluid volume with respect to immediate atmospheric conditions.

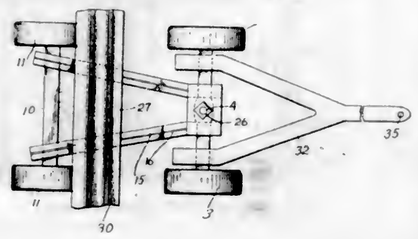
1,584,861. FLEXIBLE WRENCH. HOMER A. JONES, Okemah, Okla. Filed Mar. 18, 1924. Serial No. 700,087. 1 Claim. (Cl. 81—67.)



A wrench including a handle lever provided at its working end with a notch leading in from the end edge thereof and having opposite side walls, a curved link pivoted to an intermediate portion of the handle lever and

adapted to extend around to the side of the notch, a train of links pivotally connected with each other and connected with the first-mentioned link, and spaced plates pivotally connected with the terminal link of the train of links and having a stud bridging the space between them and adapted to enter the notch of the handle lever, said plates being provided at their inner edges with work-engaging teeth pitched toward the ends of the plates pivoted to said train of links.

1,584,862. LOG TRAILER. LEONARD JOHNSTON, Belfair, Wash. Filed Aug. 22, 1925. Serial No. 51,851. 3 Claims. (Cl. 280—33.2.)

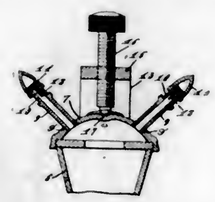


1. In a trailer a wheel structure including a front and rear axle and load supporting frame having a central raised load bearing portion and comprising forwardly convergent side frames, a king bolt about which the side frames are rigidly connected, and a universal mounting between the king bolt and front axle.

1,584,863. GREASE GUN. WALTER S. JOSEPHSON, Brooklyn, N. Y., assignor, by mesne assignments, to Dry Ice Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 689,001. 1 Claim. (Cl. 221—47.3.)

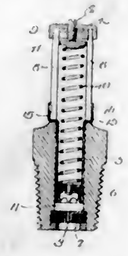
In a grease gun, the combination of a cylinder, a piston, means for the inflow of fluid pressure to the cylinder chamber behind the piston, a spring attached to the piston and to the end of the cylinder to normally withdraw the piston to a retracted position, and a removable conical discharge nozzle forming the end of the cylinder.

1,584,864. ETHER-CAN ATTACHMENT DROPPER. GODFREY J. KADAVY, Ravenna, Nebr. Filed Oct. 24, 1922. Serial No. 596,589. 1 Claim. (Cl. 221—23.)



In a device of the character described, a cap adapted to be fitted over the mouth of a can, said cap having threaded openings, discharge tubes having threaded extremities positioned in the threaded openings of the cap, the opposite ends of the discharge tubes being split, removable caps adapted to be fitted over the split ends of the tubes to restrict the sizes of the split portions of the tubes and regulate the quantity of material discharged therethrough, and for removably securing the top to the can.

1,584,865. FLUID-PRESSURE-TESTING DEVICE. AUGUSTUS O. KAHLE, Chicago, Ill., assignor of one-half to Leon Romanski, Chicago, Ill. Filed Jan. 2, 1923. Serial No. 610,162. 5 Claims. (Cl. 73—111.)

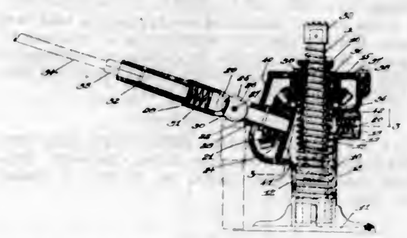


1. In a pressure indicator, a body formed with a polygonal wrench engaging portion and an integral reduced upper portion, and with an externally threaded integral lower portion adapted to be screwed into an engine, having a bore in said polygonal and threaded portions, a fluid pressure inlet for the lower end of said bore, a tube slidable endwise in said bore, a piston head on the end of the tube adjacent said inlet, a compression spring in said tube, means at the top of said reduced portion to engage the outer end of said spring, whereby movement of the tube by the fluid pressure compresses the spring progressively into said tube, so that the tube forms a guide and receptacle into which the spring is accumulated by the compression thereof, means forming a scale, and indicating means disposed intermediate the opposite ends of the spring and having separable engagement with the open end portion of said tube, movable frictionally along said scale, adapted by friction to remain in indicating position when the fluid pressure is discontinued.

1,584,866. JACK. PHILIP S. KIMBALL, Milford, Mass., assignor to F. W. Mann Company, Milford, Mass., a Corporation of Massachusetts. Filed July 7, 1925. Serial No. 41,960. 4 Claims. (Cl. 254—102.)

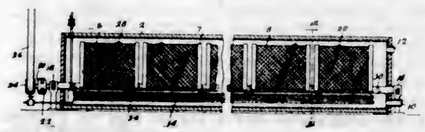
1. A jack comprising a frame, two screws, an inner screw and an outer screw, the inner screw being threaded

inside of the outer screw, a driving pinion threaded on the outside of the outer screw, the outer screw being



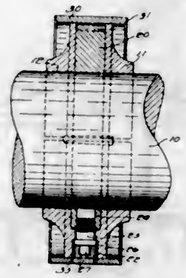
provided with a longitudinal groove in its exterior, a spring pressed detent engaging such groove in the outer screw and holding it from rotation at times.

1,854,867. DRY-ROOM TUMBLER. FRANK E. KRAFT, Kansas City, Mo. Filed Oct. 2, 1922. Serial No. 591,869. 12 Claims. (Cl. 34—12.)



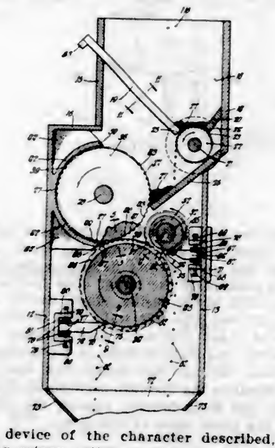
11. In an apparatus of the character described, a receptacle for holding articles to be dried, said receptacle being provided with threaded and plain portions, and a rotary worm having grooved and plain portions for engagement with the threaded and plain portions of the receptacle, whereby the receptacle is rotated and advanced longitudinally of said worm.

1,584,868. PAPER SLITTER. HERMAN L. KUTTER, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a Corporation of Ohio. Filed Oct. 13, 1923. Serial No. 668,350. 7 Claims. (Cl. 164—70.)



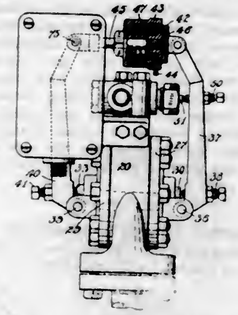
1. In a paper slitter of the character described, a hub having a passage therethrough adapted to receive a shaft to which the slitter is to be attached, and also having a pocket therein; a tightening ring, having a passage therethrough, for positioning within the said pocket, the passage through said ring being adapted to register with the passage in the said hub to receive the shaft; and means for connecting the said hub and tightening ring to the said shaft.

1,584,869. GRAIN-CUTTING APPARATUS. LESTER L. LADD, Lockport, Ill. Filed June 21, 1923. Serial No. 646,875. 20 Claims. (Cl. 83—6.)



1. In a device of the character described, a pair of co-operating rotary cutter members, and a rotary feeding member for feeding grain to the top portion of one of said cutter members by gravity, said one cutter member being positioned below said other cutter member and feeding the grain into engagement with the other cutter member in parallel rows.

1,584,870. PRESSURE-CONTROLLED VALVE AND SWITCH FOR REFRIGERATING MACHINES. JONAS T. LAGERGREN, Erie, Pa., assignor, by mesne assignments, to Sentinel Ice Machine Company, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 19, 1924. Serial No. 738,566. 8 Claims. (Cl. 62—4.)

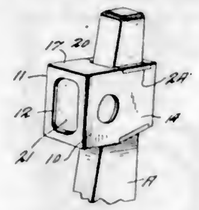


3. In a pressure controlled device, the combination of a main body having two pressure chambers formed in the opposed faces thereof, two plungers, one associated with each of said chambers, a diaphragm between each chamber and its plunger, two levers, one associated with each of said plungers, and a yielding connection between said levers causing simultaneous movement in either direction within predetermined pressure limits and permitting independent movement of one of the levers within predetermined pressure limits.

1,584,871. INK-REMOVING LIQUID COMPOSITION. MARIE AUGUSTA LANGE, Indianapolis, Ind. Filed Dec. 11, 1925. Serial No. 74,901. 1 Claim. (Cl. 87—5.)

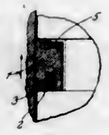
In a composition for removing ink from fabrics a mixture of carbolic acid one ounce, alcohol two ounces, and benzole two ounces.

1,584,872. PICKER FOR PICKER STICKS. ODINA LA PLANTE, Fall River, Mass. Filed Aug. 25, 1925. Serial No. 52,429. 2 Claims. (Cl. 139—159.)



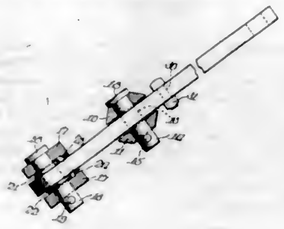
1. A picker for picker sticks comprising a casing having sides, a front, top and bottom, the front having an aperture, the top and bottom having registering apertures for the passage of the picker stick having a width equal to the sides of the casing, shims having interlocking engagement with the side walls and disposed on the inside faces of these side walls and adapted to engage the picker stick, and leather disks or layers disposed between the front wall and the picker stick and each having a width equal to the distance between the inside faces of the sides, said disks bearing against the picker stick and against the front edges of the shims.

1,584,873. PISTON-SEALING RING. CHARLES LATTA, St. Louis, Mo. Filed Feb. 5, 1925. Serial No. 6,971. 4 Claims. (Cl. 74—109.)



1. A sealing ring for maintaining an oil seal in a ring groove of a piston, comprising a resilient ring provided with an oil groove in its lower side edge having an imperforate inner wall parallel with the axis of the ring and an outer wall inclining toward and intersecting the periphery of the ring forming a sharp corner operating as an edge to scrape the oil from the cylinder wall into said grooves during downward stroke of the piston, and having the other wall intersecting the side edge of the ring closer to the inner periphery than to the outer periphery of the ring.

1,584,874. SAFETY BRAKE CONNECTION. FRANK W. LEWIS, Davenport, Iowa. Filed Jan. 30, 1925. Serial No. 5,804. 13 Claims. (Cl. 188—231.)

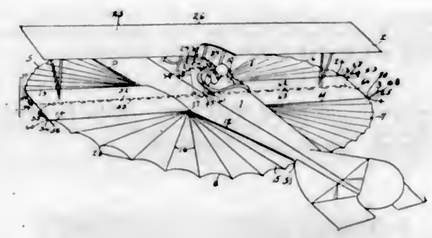


1. In a device of the character described, the combination with brake operating members; securing means movably connecting said members; and independent means arranged to retain said members against separation in the absence of said securing means.

1,584,875. METHOD OF PRODUCING A FERTILIZER OF UREA. JOHAN HJALMAR LIDHOLM, Wargon, Sweden. Filed Jan. 9, 1924. Serial No. 685,267. 4 Claims. (Cl. 260—125.)

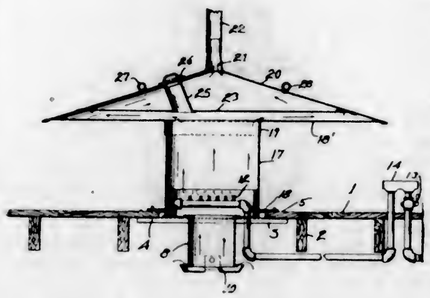
3. A new product comprising non-hygroscopic solid urea of dense internal structure, such as can be produced by the herein described process of cooling to solidification without substantial evaporation a liquid containing urea and not more than 10 percent of water.

1,584,876. AEROPLANE AND OTHER HEAVIER-THAN-AIR MACHINE. BEN LOTH, Cincinnati, Ohio. Filed Sept. 14, 1925. Serial No. 56,290. 6 Claims. (Cl. 244—21.)



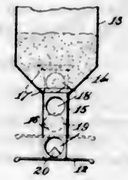
1. The combination with a heavier than air machine, of a plurality of spaced apart downwardly curved tubes attached adjacent the bottom of the body of said machine and adapted to be folded, a covering for said tubes, whereby a wing is formed and said wing having its inner edge connected to said body, a line secured to said wing, winding means connected with said line whereby in cases of emergency said winding means can be utilized to quickly spread said wing, substantially as and for the purpose specified.

1,584,877. BROODER STOVE. DONALD H. MCCORKLE, Oakland, Calif., assignor to D. H. McCorkle Manufacturing Co., a Corporation of California. Filed Sept. 17, 1924. Serial No. 738,176. 1 Claim. (Cl. 119—32.)



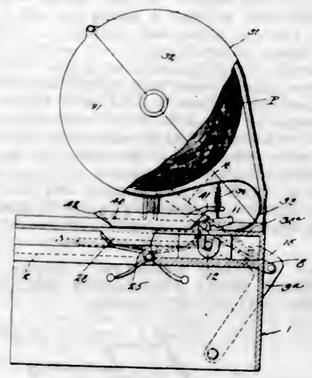
In a brooder stove, a burner, a pan having an open bottom within which the burner is installed, a thermostat to regulate the supply of fuel to the burner, an insulating material around the edge of the burner pan, a heater drum detachably connected to said pan, a closed flat cone mounted upon the heater drum, a partition within the cone to cause the uniform distribution of heat therefrom, a pipe for the escape of burned gas and a hand-hole pipe extending through the cone and partition therein to permit the burner to be lighted.

1,584,878. DISPENSING DEVICE. WILLIAM R. D. MCQUARRIE, Buffalo, N. Y. Filed Nov. 10, 1921. Serial No. 514,302. 1 Claim. (Cl. 251—116.)



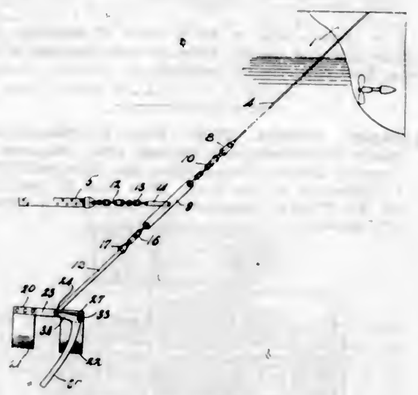
In a device of the class described, a container provided with a discharge spout, a tubular discharge valve adapted to reciprocate vertically therein, said valve being provided with an inlet port and an outlet port and a cup engaging member on the lower end of said valve, a removable cap forming the upper end of said valve and interchangeable tubular inserts having bores of different diameters adapted to be arranged therein, as and for the purpose specified.

1,584,879. SERVING SET. FRANK MACY, Converse, Ind. Filed June 24, 1924. Serial No. 722,167. 5 Claims. (Cl. 93—1.)



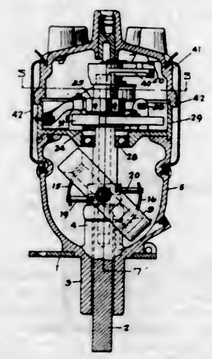
1. In a device of the character described, a supporting structure including a base, a paper roll housing mounted above the base, a spring retracted former operating above the base, a carriage mounted to reciprocate beneath the former, paper gripping members on the carriage and adapted to grip paper and deliver the same beneath said former, said base adapted to support a tray, means for moving the former to force the paper into the tray, a cutter for cutting the paper, and means for operating the carriage, former and cutter.

1,584,880. DEVICE FOR SUBMARINE SOUNDING FROM VESSELS UNDER WAY. FRANCIS PEABODY MAGOUN, Cambridge, Mass. Filed Mar. 28, 1924. Serial No. 702,584. 5 Claims. (Cl. 73—5.)



3. In a submarine kite, water-vanes, a frame rigid with said vanes, said frame having longitudinal slots therein, a towing attachment having a part adapted to slide in said slots, and means for normally confining said part to one position in said slots and adapted to release said part.

1,584,881. ENGINE IGNITION TIMER. MARION MALLORY, Toledo, Ohio, assignor to Mallory Electric Corporation, Toledo, Ohio, a Corporation of Ohio. Filed June 17, 1925. Serial No. 37,881. 12 Claims. (Cl. 123—117.)

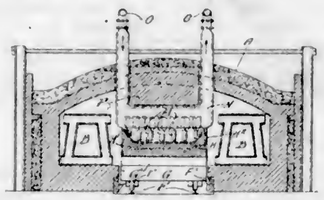


2. In an ignition timer, a pair of circuit breakers, a cam for operating each circuit breaker, means for causing the cams to advance according to the speed of the engine and to different extents, the latter variation being also according to the speed of the engine.

1,584,882. THERMOELECTRIC PYROMETER. HENRY S. MARSH and RALF S. COCHRAN, Youngstown, Ohio. Filed Sept. 24, 1925. Serial No. 58,384. 2 Claims. (Cl. 136—4.)

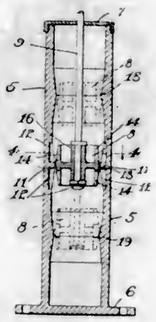
1. A thermo-couple in which beads of insulation are strung upon one member while the other member in tubular form envelopes the assembly.

1,584,883. TUNNEL KILN. PAUL A. MEEHAN and HARRY M. ROBERTSON, Cleveland, Ohio, assignors to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed June 30, 1922. Serial No. 571,976. Renewed Sept. 30, 1925. 8 Claims. (Cl. 263—21.)



1. In a continuous tunnel kiln the combination with the kiln chamber and track rails therein, of means for transporting material through the kiln chamber comprising a train of cars each comprising a metallic underframe with track engaging wheels mounted therein and a refractory superstructure formed with a trough-like cavity in its upper face which extends longitudinally of the car and unites with the corresponding cavities of the other cars to form a continuous trough extending the length of the train.

1,584,884. DASHPOT. HERBERT L. MERRICK, Passaic, N. J. Original application filed Aug. 12, 1922, Serial No. 582,316. Divided and this application filed Mar. 31, 1924. Serial No. 703,328. 8 Claims. (Cl. 188—96.)

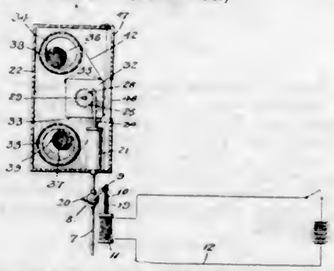


1. A dash pot comprising a liquid carrying cylinder having annular restricted portions, and a piston to reciprocate in the cylinder, said piston being of less diameter than the cylinder to reciprocate in the cylinder and having an annular enlarged portion with relation to the remainder of the piston and said enlarged portion being substantially of the same diameter as the restricted portions of the cylinder.

1,584,885. PNEUMATIC-TIRE PACKAGE. WILLIAM J. P. MOORE, New York, N. Y. Filed Apr. 9, 1924. Serial No. 705,302. 2 Claims. (Cl. 152—20.)

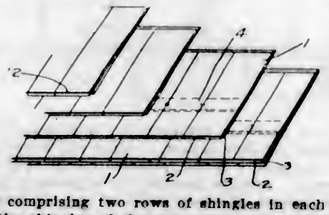
2. As a new article of manufacture, a pneumatic tire comprising a shoe and inner tube, and a sealing member for the opening between the inner edges of the shoe, said member being applied to said edges after the tube has been placed within the shoe to prevent moisture and foreign material from entering the shoe and damaging it or the tube.

1,584,886. STATION INDICATOR. JOHN C. NELSON, Seattle, Wash. Filed May 28, 1923. Serial No. 641,949. 1 Claim. (Cl. 40—56.)



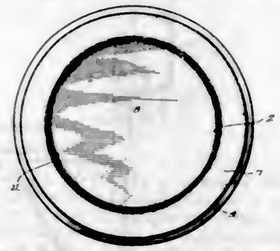
A station indicator comprising a compressed air tank, a three-way valve normally open to free air, pipe connection between said tank and valve, a solenoid adapted to actuate said valve, spring means for said solenoid, a cylinder on the end of said pipe mounted within a casing, a door and window for said casing, a piston and rod within said cylinder, a spring for said piston, an annular shoulder within said cylinder, a rack on said rod, a square prismatic drive roll member having its sides parallel to said casing, pins on said drive member, gear means engaging said rack, ratchet means adapted to impart one quarter turn to said drive member, tension rollers, opposing springs for said tension rollers, a flexible roll on said tension rollers in engagement with said drive roll member, bindings on the edges of said flexible roll having holes therein arranged to engage said pins, an electric circuit for said solenoid, and contact means for said circuit comprising plates and brushes substantially as described.

1,584,887. LAYING SHINGLES. GUSTAF NYHOLM, Brownsville, Wash. Filed June 28, 1924. Serial No. 722,910. 1 Claim. (Cl. 108—9.)



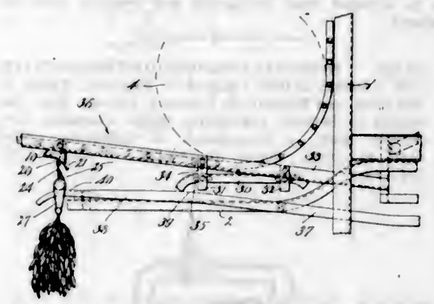
A roof comprising two rows of shingles in each course thereof, the shingles of the upper row being extended at their lower edges to overlie the lower edges of the shingles of the corresponding bottom row, to protect the lower shingles from the weather and to provide a drip extension.

1,584,888. DISH OR PLATE. LAWRENCE OSTER, Milwaukee, Wis. Filed May 29, 1924. Serial No. 716,732. 6 Claims. (Cl. 65—15.)



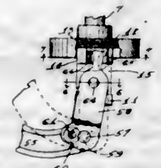
1. A feeding dish comprising a bottom-portion crimped at its periphery, a bowl-portion including a bottom-section, and two spaced-apart wall sections, the outer wall-section being interlocked at the crimped periphery of the bottom-portion, the inner wall-section being formed with an annular rim.

1,584,889. CONVEYER SYSTEM. FRANK B. PEEBLES, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed June 18, 1923. Serial No. 646,018. 15 Claims. (Cl. 198—177.)



1. A conveyer system comprising a flexible conveyer moving in a path including a downwardly inclined run followed by an upwardly inclined run, a forwardly open hook carried by and secured to the conveyer, and a fixed track substantially parallel to and below the path of movement of the hook, said track comprising a substantially horizontal section followed by a downwardly inclined section, the point of intersection of said track sections being disposed below the downwardly inclined portion of the path of the hook.

1,584,890. WASHING MACHINE. ARTHUR H. PETERS, Fort Wayne, Ind., assignor to Horton Manufacturing Company, a Corporation of Indiana. Filed Sept. 6, 1921. Serial No. 498,693. 2 Claims. (Cl. 74—14.)

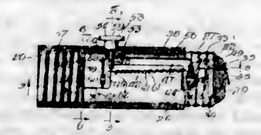


1. In a drive for a washing machine of the plunger type, a pivoted lever, power means for oscillating the same, a plunger shaft, a sleeve slidable thereon, a link connecting one end of said lever to said sleeve, abutments secured to said shaft limiting the sliding of the sleeve along the same and cooperating with said sleeve to reciprocate said shaft when the lever is oscillated, and means operated by the angular motion of said link for revolving said shaft, said means being effective when the sleeve is against one only of said abutments.

1,584,891. METHOD OF PREPARING REFRIGERATING SALT. STAVROS F. PETERSON, New London, Conn. Filed Oct. 17, 1923. Serial No. 669,195. 2 Claims. (Cl. 23—239.)

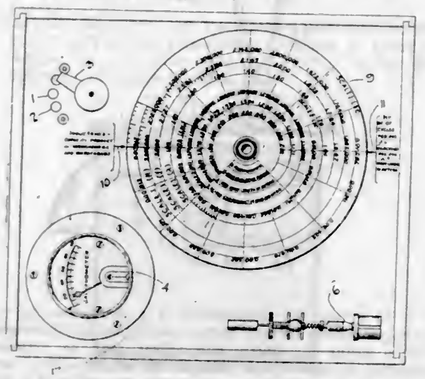
2. A new article of manufacture in the form of a refrigerant medium comprising a sheet of paper having salt fixed thereon by a soluble substance.

1,584,892. ELECTRIC FLASHER. JAMES W. PHELPS, Chicago, Ill. Filed May 24, 1924. Serial No. 715,554. 14 Claims. (Cl. 200—115.5.)



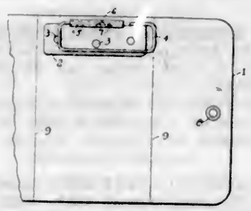
1. In a device of the kind described, a metallic tubular casing formed to provide a socket shell at one end and a plug shell at the other end, a head of insulation material secured in the casing to form the bottom of the socket, a head of insulation material adapted to be received in the plug end of the casing, and a unitary mechanism including an automatic circuit make and break device, provided with contact strips at its ends for mounting on said heads, holding the plug head in place and forming the center contacts of the socket and the plug.

1,584,893. CONSTANT INDICATOR FOR VIBRATORY CIRCUITS. FRANCIS AUGUSTINE RAFFERTY, Villanova, Pa. Filed June 21, 1923. Serial No. 646,799. 2 Claims. (Cl. 250—39.)



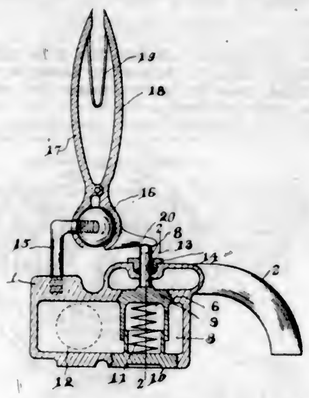
1. An indicator for vibratory circuits comprising a rotary dial; graduations representing vibratory wave constants applied to an angular sector of said dial; an index marker co-acting with said wave constant graduations; graduations representing electrical constants of circuits resonant to the waves represented by said vibratory constant graduations applied to a different angular sector partially overlapping said first mentioned angular sector of said dial; and an index marker coacting with said last mentioned graduations and so positioned with respect to said first index marker that a single setting of said dial will indicate the vibratory wave constants and circuit constants of a circuit resonant with the wave of which the vibratory constants are indicated at said first mentioned marker.

1,584,894. KEY HOLDER. GEORGE L. ROBBINS, New York, N. Y. Filed Apr. 8, 1925. Serial No. 21,603. 3 Claims. (Cl. 150—40.)



3. For use with a leather folder or the like and adapted to be attached thereto, a key holding loop and anchoring means therefor, said anchoring means comprising a bearing portion and a locking portion for engaging portions of said loop to form a continuously closed ring, and adapted to be opened for the insertion or the removal of keys or the like by relative bodily movement of the loop to the anchoring means, said anchoring means being formed with a stiffening plate.

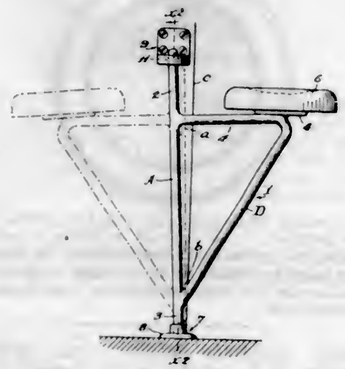
1,584,895. TAP, FAUCET, OR THE LIKE. FRANK ARTHUR ROWE, Olean, N. Y. Filed July 30, 1924. Serial No. 728,994. 4 Claims. (Cl. 277—18.)



1. In a tap, the combination of a casing having two passages formed therein, valves controlling said passages; single means by which said valves may be actuated together or either one independent of the other, said means being mounted on said casing by means of a ball and socket joint; and resilient means normally tending to cause frictional engagement between the ball and the socket to prevent relative movement of the ball and the socket.

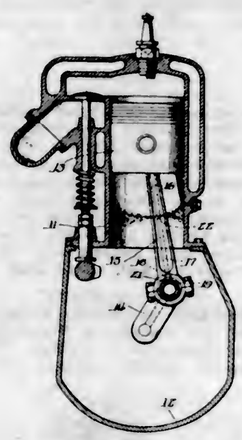
1,584,896. PIVOT SINK STOOL. CHARLES A. SIVON, Pasadena, Calif. Filed Jan. 22, 1925. Serial No. 3,965. 2 Claims. (Cl. 155—81.)

1. In a swinging seat structure, the combination with a floor socket, of a wall bracket disposed above the floor socket and including a horizontal arm having a vertical opening therein, the wall of the opening being inclined, a supporting rod having its lower end journaled in said floor socket and its upper end extending upwardly into the opening of said wall bracket, an arm extending laterally from said rod, and a seat on said arm, the length of the supporting rod above the arm being greater



than the depth of the floor socket for permitting the rod to be elevated from the socket and removed from the bracket.

1,584,897. INTERNAL-COMBUSTION-ENGINE-CYLINDER LUBRICATION. RALPH L. SKINNER, PERCY C. WALRATH, and EDMOND H. LAMBERT, Detroit, Mich., assignors to Skinner Automotive Device Company, Inc., Detroit, Mich., a Corporation of California. Filed Sept. 21, 1925. Serial No. 57,480. 3 Claims. (Cl. 184—18.)

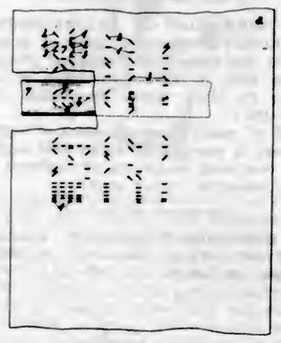


1. In an internal-combustion engine, the combination of the engine-cylinder, the reciprocatory piston therein, the crank-shaft, the connecting-rod associated with said piston and crank-shaft and having a passage therein with means for delivering the contents of said passage on the cylinder wall, means to supply lubricant to said connecting-rod passage, and automatic means governing the discharge of said lubricant through said delivery means.

1,584,898. THREADING DIE. JAMES A. SMITH, Windsor, Conn. Filed Aug. 11, 1923. Serial No. 656,766. 7 Claims. (Cl. 76—101.)

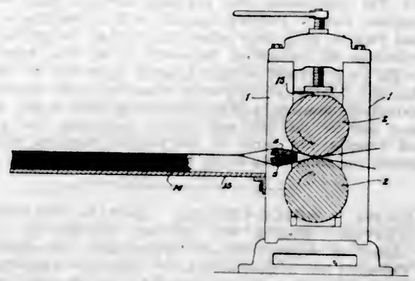
3. The process of forming a threading die that consists in making a thread cutting hole in a piece of material, and as a step in the process forcing the beveled end of a lead forming tool having backwardly tapered faces into the mouth of the thread cutting hole to compress the metal and form a lead.

1,584,899. PNEUMATIC ACTION FOR AUTOMATIC MUSICAL INSTRUMENTS. WILHELM ERNST SPAETHE, Gera-Reuss, Germany. Filed May 22, 1924. Serial No. 715,117. 13 Claims. (Cl. 84—146.)



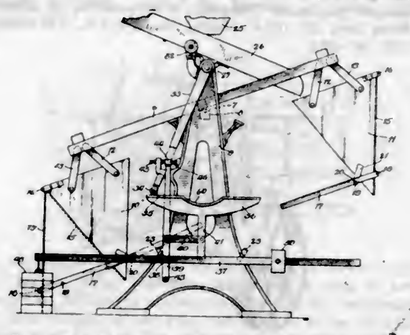
4. A note sheet for automatic musical instruments having elongated openings some arranged at different angles to others and adapted to selectively cooperate with corresponding angularly arranged openings of the tracker bar.

1,584,900. SHEET-OPENING MACHINE. CHARLES A. STREB and ARTHUR J. MASKREY, Jr., Canton, Ohio. Filed July 13, 1925. Serial No. 43,158. 9 Claims. (Cl. 29—19.)



1. Opening mechanism for a pack of sheets including a loosely journaled separating bar free to move with the movement of the sheets and means for drawing one sheet of the pack over each side of the bar.

1,584,901. AUTOMATIC METERING MACHINE. BERTRAND S. SUMMERS, Port Huron, Mich. Filed Nov. 6, 1922. Serial No. 599,252. 9 Claims. (Cl. 249—27.)

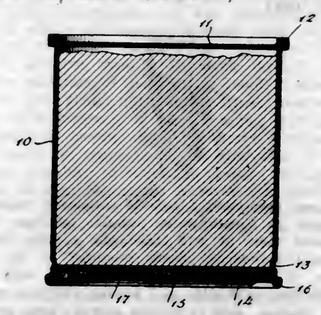


1. In an apparatus of the class described a support, a balanced beam fulcrumed on the support, pans carried at the respective opposite ends of the beam, a rocking chute pivoted above the beam and adapted to be tilted to discharge into either of said pans, connections between the beam and chute whereby when the beam is tilted in one direction the chute is tilted in the other, yielding means for holding the chute and beam when tilted in either direction but releasing them on the completion of a load in the elevated pan.

1,584,902. ART OF MAKING PULP FOR PAPER. BERTRAND S. SUMMERS, Port Huron, Mich. Filed Dec. 22, 1923. Serial No. 682,310. 10 Claims. (Cl. 92—7.)

1. A process of making pulp from vegetable fiber which consists in digesting same in a liquor containing a digesting agent and phosphoric acid.

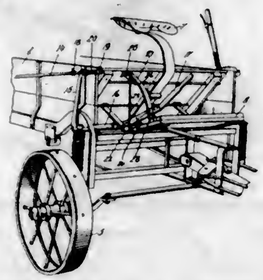
1,584,903. METHOD OF PACKING FOOD PRODUCTS AND CONTAINER THEREFOR. GEORGE C. SUPPLEE, Adams, N. Y. Filed Aug. 15, 1924. Serial No. 732,141. 15 Claims. (Cl. 99—8.)



4. The method of packing food products in a container, which consists in placing within the container, but out of contact with each other, the food product and a body of ferrous sulphate and lime, keeping the particles of said body from contact with the food product, while allowing the air which is in contact with the food product, to pass into contact with said body, and finally sealing the container.

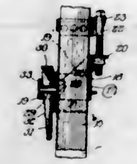
9. In a container adapted to hold food products, a receptacle adapted to contain a chemical and a restricted passageway of tortuous configuration between said receptacle and container to permit circulation of a gaseous medium between said receptacle and container while preventing the passage of particles of solid material.

1,584,904. CONTROLLING MEANS FOR SPREADER DRIVING MECHANISM. STARLEY S. SWANSON, Stoughton, Wis., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed May 5, 1924. Serial No. 711,101. 3 Claims. (Cl. 74—39.)



1. A spreader having spreading devices, an operator's seat located near the front end of the spreader, driving mechanism for the spreading devices normally urged toward driving position, and control means connected to the driving mechanism for controlling the movement of said mechanism to and from driving position, said control means including a latch for holding it in position to hold the driving mechanism in non-driving position and a latch for holding it in position to hold the driving mechanism in driving position, said control means also including a device operable by the foot of an operator on the operators seat for releasing the control means when it is in position to hold the driving mechanism in non-driving position to thereby permit the driving mechanism to automatically move to driving position, said control means, when released, being in a position where it may be easily engaged by the foot of an operator on the operator's seat to hold it in position to hold the driving mechanism in driving position and to move it to position to be locked by the second latch.

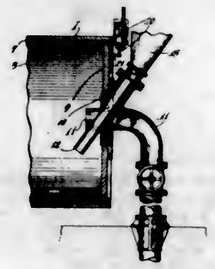
1,584,905. SHORE. ARTHUR H. SYMONS, Chicago, Ill. Filed June 12, 1924. Serial No. 719,498. 6 Claims. (Cl. 254—100.)



1. A shore comprising a pair of standards, means for holding same in substantially parallel relation, linings upon opposed faces of said standards, a slide mounted between said standards, means mounted at the upper extremities of said standards for guiding said slide, means encircling said slide and having abutting relation with said linings, said encircling means being provided with gripping means for holding said slide and adjustable means for governing the position of said encircling means relative to said standards.

1,584,906. CORROSION APPARATUS. CHARLES P. TOLMAN, New York, N. Y., assignor to National Lead Company, New York, N. Y., a Corporation of New Jersey. Original application filed Mar. 15, 1921, Serial No. 452,501. Divided and this application filed Jan. 20, 1922. Serial No. 531,865. 43 Claims. (Cl. 23—286.)

1. Lead corroding apparatus, comprising, a rotary chamber, axially-disposed means for introducing a gaseous reagent into the chamber and non-axially-disposed means for introducing a liquid reagent thereinto while the chamber is rotating.

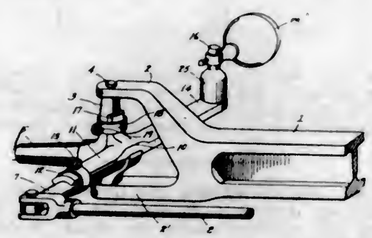


38. In lead corroding apparatus, a closed rotary corroding chamber, a feed entrance, a hopper opening onto a traveling surface for depositing lead in said feed entrance, an enclosure for the end of the hopper and said surface and means for maintaining a negative pressure in said chamber and enclosure.

1,584,907. PRODUCTION OF ESTERS FROM AMIDE ACID SULPHATES. RALF B. TRUSLER, Dormont, Pa., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed July 22, 1925. Serial No. 45,385. 6 Claims. (Cl. 260—106.)

1. Method of manufacture of esters of organic acids which consists in reacting an amide acid sulphate with an organic compound containing an hydroxyl group attached to a non-cyclic carbon atom.

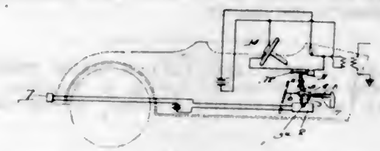
1,584,908. DIRIGIBLE HEADLIGHT. WILLIAM V. VAN ETTEN, Everett, Wash. Filed July 14, 1924. Serial No. 725,848. 2 Claims. (Cl. 240—62.)



1. The combination with a vehicle having a front axle provided with a steering knuckle with a steering arm fixed thereto, of a lamp mounting bracket comprising a horizontal bar extending forwardly from the knuckle having an inner end portion adapted to overlie the said arm and having an upwardly extending arm disposed against the knuckle, a lamp supporting post at the forward end of the bar and collars encircling the arm and knuckle and parts of the bracket disposed thereagainst for detachably fixing the same thereto.

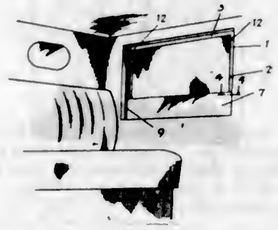
1,584,909. MOTOR-VEHICLE SIGNAL-OPERATING SWITCH. WALTER VAN GUILDER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Nov. 18, 1921. Serial No. 516,005. 6 Claims. (Cl. 200—59.)

1. In combination with a motor vehicle, a signal-switch device comprising a circuit controlling switch, a spring for holding it at open circuit position; operating connection from the speed-controlling means of the vehicle for closing the switch when the said means is operated for reducing speed; a catch device in said connection,



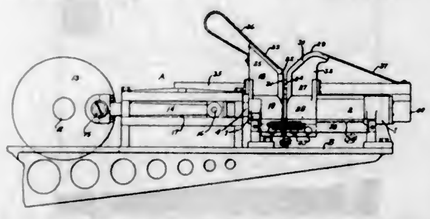
and means operable at will for disengaging said catch device, to release the switch from the speed controlling means.

1,584,910. AUTOMOBILE WINDOW SCREEN. CLARENCE A. VOLKER, Monroe, Mich. Filed May 15, 1925. Serial No. 30,483. 2 Claims. (Cl. 296—44.)



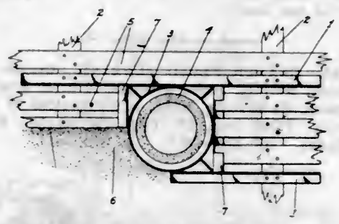
1. In an automobile window screen, for closed automobiles having glass windows and cushioned guides located in channels for guiding the glass when raised and lowered, a screen frame smaller than the size of the window opening of the body of the automobile frame, a flexible strip having an edge portion protruding from the edge of the screen frame and extending across the space between the screen frame and the body frame, a pair of sheet metal pieces pivotally connected to the screen frame near the upper corners of the screen frame for engaging the body frame at the sides of the window opening and between the cushioned guides and the body frame.

1,584,911. CUTTING DEVICE. CLEVELAND WILHITE, St. Louis, Mo., assignor to American Manufacturing Company, St. Louis, Mo., a Corporation of Massachusetts. Filed Sept. 8, 1924. Serial No. 736,460. 7 Claims. (Cl. 30—14.)



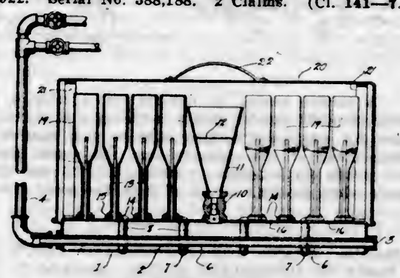
1. A cutting device comprising a reciprocatory cutting element, and means whereby the material to be cut is guided to said reciprocatory cutting element, said means comprising a stationary portion and a movable portion and said movable portion being adapted to be moved by the material to be cut as said material is drawn into contact with said reciprocatory cutting element to retain said material in compact form while same is being severed.

1,584,912. SUBTHIMBLE FOR LATERAL FLUES. THADDEUS E. WILLIAMSON, Stockton, Calif. Filed Sept. 15, 1925. Serial No. 56,439. 1 Claim. (Cl. 126—314.)



A structure for use in connection with lateral flue-thimbles in frame buildings comprising a ring to surround the thimble in spaced relation thereto, supporting members secured to the ring and adapted to be attached to studs of the building adjacent the thimble, and oppositely facing channel membera extending vertically between the supporting members on the opposite sides of the ring.

1,584,913. BOTTLE AND TEST-TUBE WASHER. GEORGE W. WILSON, Seattle, Wash. Filed Sept. 14, 1922. Serial No. 588,188. 2 Claims. (Cl. 141—7.)



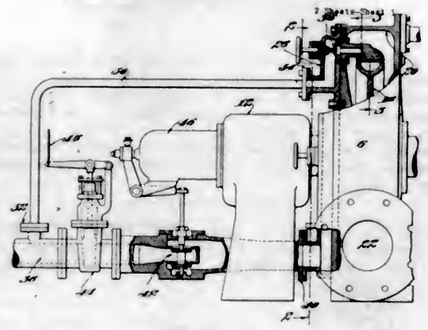
1. A bottle washing device comprising a box-like container with a horizontal top wall provided with a plurality of spray openings, a vertical check valve on the container, a funnel mounted on the valve whereby a cleaning solution may be delivered through the valve into the container, a plurality of tubes mounted on the top wall and opening into the container, over which bottles to be washed may be placed, a pipe leading through the container having discharge ports therein through which water or steam under pressure may be delivered into the container to effect the ejection of the cleaning solution through said tubes to wash the interior of the bottles and through said openings to wash their exterior, and a removable cover for enclosing the bottles during washing operation.

1,584,914. APPARATUS AND METHOD OF DECORATING LABELS. HERMAN A. YAFFEE, Dayton, Ohio, assignor to The Stanley Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 19, 1924. Serial No. 750,940. 3 Claims. (Cl. 101—129.)

1. In a method of applying colors to labels ornamented with a common preliminary design, mounting the labels on a support in a uniform arrangement with respect

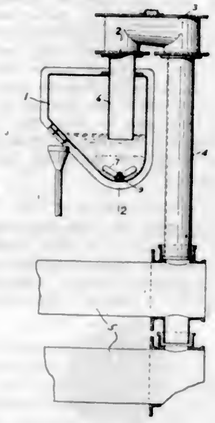
to their common preliminary design, placing over the labels a stencil having an open design complementary to the common preliminary design of the labels, and applying color to the stencil-covered labels to complete the designs on the labels.

1,584,915. ELASTIC-FLUID TURBINE. OLIVER D. H. BENTLEY, Norfolk, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1923. Serial No. 658,131. 12 Claims. (Cl. 253—56.)



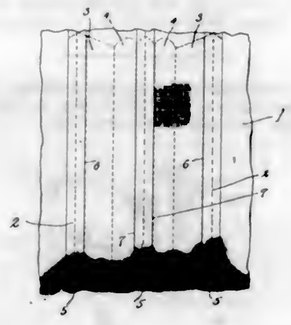
2. A turbine having, in combination, a rotor, a plurality of power nozzles, means including a single cut off valve for supplying working fluid to said nozzles, an idling nozzle of less capacity than the power nozzles, and means for supplying working fluid to the idling nozzle when the fluid is cut off from the power nozzles.

1,584,916. MEANS FOR PREVENTING PITCH DEPOSIT IN HYDRAULIC MAINS. WILLIAM F. DORNER, Philadelphia, Pa., assignor to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 5, 1924. Serial No. 724,465. 3 Claims. (Cl. 48—127.)



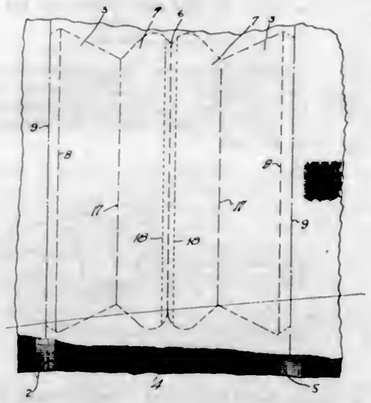
1. Means for preventing pitch deposit in the hydraulic mains of gas retort settings, comprising an hydraulic main having at one end a tar run-off, an agitator and conveyer blade movably mounted in and contoured in conformity with the bottom of the hydraulic main and inclined and adapted to progressively feed in one direction toward the tar run-off of the latter, and a shaft for moving the agitator and conveyer blade appropriately for feeding in that direction.

1,584,917. FABRIC AND COLLAR MADE THEREFROM. JOHN S. EASTON, Troy, N. Y. Filed Nov. 22, 1924. Serial No. 751,433. 4 Claims. (Cl. 139—383.)



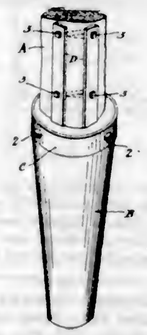
1. A collar blank composed of a single ply woven fabric, the edges of the collar blank containing a reduced number of warp threads.

1,584,918. COLLAR. JOHN S. EASTON, Troy, N. Y. Filed Nov. 22, 1924. Serial No. 751,435. 4 Claims. (Cl. 139—383.)



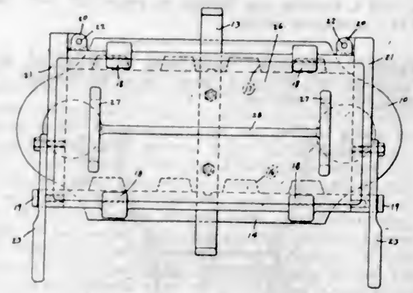
1. A one piece collar comprising a single ply fabric provided at intervals with zones containing a reduced number of warp threads to provide a neckband of the same thickness throughout and an edging for the collar top.

1,584,919. POLE. HARRY ETHERIDGE, Zelienople, Pa. Filed Aug. 13, 1924. Serial No. 731,750. 6 Claims. (Cl. 72—84.)



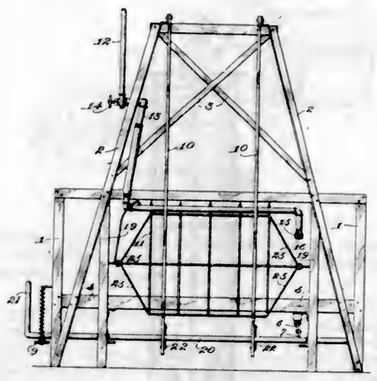
5. A concrete pole butt having protruding from its top a pair of metal pole anchoring bars, said bars being disposed in planes at substantially right angles to each other so as to define the angle which is to be occupied by the pole, and said bars forming the means for connecting the pole to the butt.

1,584,920. MOLD FOR CONCRETE BLOCKS. WILLIAM A. FLINT and CHARLES H. COCHRAN, Crawfordsville, Ind., assignors to Lamore Tile Machine Company, Crawfordsville, Ind., a Corporation. Filed June 20, 1925. Serial No. 38,445. 7 Claims. (Cl. 25—121.)



1. A mold for concrete blocks or the like, comprising a base, a pair of side plates pivotally mounted on said base so as to extend upright therefrom in spaced parallel relation to each other when in closed position, and open outwardly away from each other when in open position, oppositely disposed end plates having one end thereof hingedly connected with one of said side plates, means for locking the other ends of said end plates to the other side plate, and a top plate rigidly secured over said side and end plates.

1,584,921. ICE-SCORING MACHINE. HECTOR L. GEE and ROSS H. DARBY, Lyons, Mich. Filed June 4, 1924. Serial No. 717,697. 6 Claims. (Cl. 62—112.)

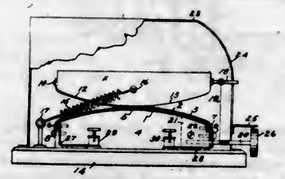


1. An apparatus for scoring ice, including two oppositely movable heating members, means for causing said members to simultaneously move inwardly into engagement with the ice and for limiting the extent of inward movement.

1,584,922. ALLOY AND METHOD OF PRODUCING THE SAME. JOSEPH GEPPERT, Chicago, Ill., assignor of one-half to Max Giese, Chicago, Ill. Filed Oct. 6, 1922. Serial No. 592,785. 1 Claim. (Cl. 75—1.)

A new composition of matter, comprising 2 to 16 parts by weight of bismuth, 62 to 72 parts by weight of lead, 16 to 24 parts by weight of antimony, and .5 to 7.5 parts by weight of cadmium.

1,584,923. ELECTRICAL CONDENSER. OTTO GRUENBERGER, Wauwatosa, Wis. Filed Dec. 29, 1922. Serial No. 609,644. 12 Claims. (Cl. 250—41.)



1. In an electrical condenser, a pair of conducting elements separated by insulating material, and means whereby the capacity of said condenser may be varied including a pair of members one of which is arranged to roll upon the other, said conducting elements being interposed between said members.

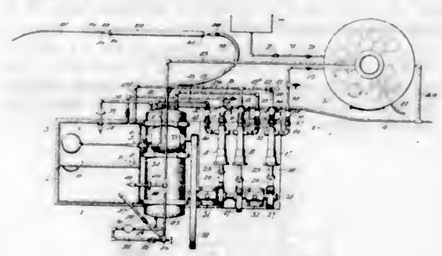
1,584,924. FLOUR-TREATING APPARATUS. RUSSELL H. GUERRANT, Chicago, Ill., assignor to Industrial Appliance Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1923. Serial No. 663,610. 16 Claims. (Cl. 83—42.)

1. In apparatus for treating flour with a gaseous agent, the combination of a treating chamber, means

for introducing the gaseous agent into the chamber, means for introducing the flour into the upper part of the chamber, a rotating element upon which the flour

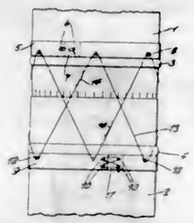
falls as it enters the chamber for distributing the same therein, and a cylindrical baffle ring spaced from the wall of said chamber surrounding said rotating element.

1,584,925. GREASE, DIRT, AND PAINT REMOVING APPARATUS. DAVID S. GUNTHER, Denver, Colo. Filed Apr. 20, 1925. Serial No. 24,692. 5 Claims. (Cl. 299—84.)



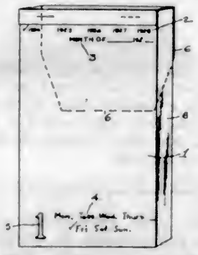
1. In apparatus of the character described, the combination with a tank for holding solution under pressure, a tank for holding water under pressure, and a steam generator; of a mixing element, valved pipes connecting said mixing element and said steam generator, said mixing element and said solution pressure tank, and said mixing element and said water pressure tank, a solution supply tank, a water supply tank connected therewith, and automatically operating means for regulating the flow of water from the water supply tank to the solution supply tank, thereby to maintain constant level in the latter tank, pumps, pipes connecting one of said pumps with the solution supply tank and with the solution pressure tank, pipes connecting the other pump with the water supply tank and with the water pressure tank, a valved pipe leading from the steam line to the upper end of the solution supply tank, pipes connecting the solution pressure tank and solution supply tank, and the water pressure tank and the water supply tank, said pipes being provided with pressure relief valves and a discharge hose connected to said mixing element.

1,584,926. JOINT FASTENER. REID HALE, Brentwood, Mo. Filed July 6, 1925. Serial No. 41,601. 2 Claims. (Cl. 285—185.)



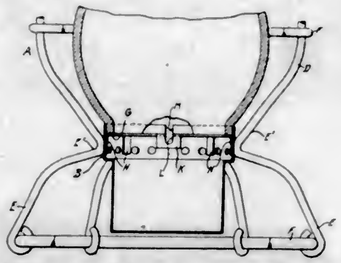
1. A joint fastener comprising a pair of bands, means wholly supported by said bands for securing the bands around the adjacent ends of jointed members, and a lacing element having numerous connections with each of said bands and winding around the jointed members.

1,584,927. REPLACEABLE MEMORANDUM PAD. ROY M. HALL, Valparaiso, Ind. Filed Mar. 6, 1924. Serial No. 697,334. 4 Claims. (Cl. 283—2.)



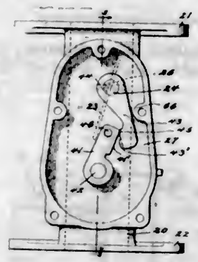
1. In replaceable memorandum pads, a group of sheets constituting a supply for a single month, each sheet having printed thereon in consecutive order numerals representing the days of the month, an appropriately designated space for the month and year, a series of numerals representing a group of consecutive years, the days of the week, means for holding the sheets in assembled relation, and a suitable flap adapted to removably hold the pad in a protective cover.

1,584,928. LANTERN. ALEXANDER H. HANDLAN, St. Louis, Mo. Filed July 2, 1923. Serial No. 648,998. 2 Claims. (Cl. 240—38.)



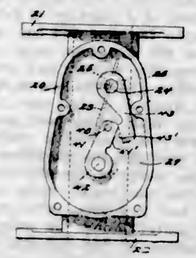
1. A lantern comprising a base ring, a globe seat provided with legs formed thereon, said globe seat being located within said base ring so that said legs are in contact with the inner face of said base ring, and guard wires portions of which contact with the outer face of said base ring at points in radial alinement with said legs on said globe seat, said guard wires, base ring and the legs on said globe seat being welded together to produce a unit.

1,584,929. GOVERNOR. ROBERT G. HANDY and ARTHUR A. BULL, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 21, 1920. Serial No. 383,259. 40 Claims. (Cl. 137—152.)



40. In a suction responsive governor, a member responsive to the suction in the intake of the motor, yielding means opposing movement of said member, and means including a cam device balancing the suction effect and said yielding device at a predetermined speed of the motor for all positions of said member.

1,584,930. GOVERNOR. ROBERT G. HANDY and ARTHUR A. BULL, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a Corporation of Michigan. Filed Sept 1, 1921, Serial No. 497,461. Renewed Nov. 21, 1925. 27 Claims. (Cl. 137—152.)

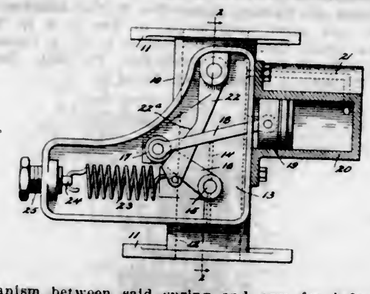


11. In a governor for hydrocarbon motors, an adjustable spring support, means securing said support against removal without interfering with adjustment thereof and means locking the support in adjusted position, said securing means being covered by the locking means and accessible only after removal of the locking means.

20. A governing device for hydrocarbon motors comprising an intake conduit, an unbalanced butterfly valve therein, and a counterbalancing means connected to balance the turning effort of said valve at a predetermined speed of the motor including an arm secured to turn with said valve, and yielding means acting on said arm having its point of action shifted radially as the arm turns to increase the effort of the yielding means on the valve as it closes, means to adjust the limit of action of said yielding means and supplemental means to adjust the yielding means within said limit.

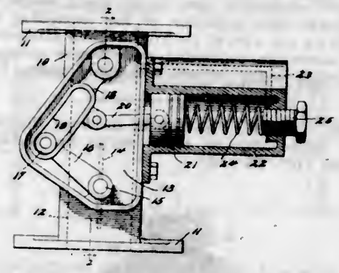
1,584,931. GOVERNOR. ROBERT G. HANDY and ARTHUR A. BULL, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 8, 1922. Serial No. 559,484. 8 Claims. (Cl. 137—153.)

8. A suction responsive governor for hydrocarbon motors including in combination, a pivoted throttle valve in the fuel intake passage, an arm rigid with the pivot of said valve, a member controlled by the suction in the intake passage connected to said arm, a spring, and cam



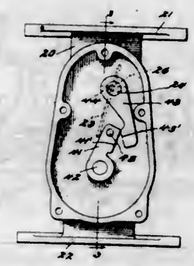
mechanism between said spring and arm for balancing said member and valve in all positions when the motor is running at a constant speed.

1,584,932. GOVERNOR. ROBERT G. HANDY and ARTHUR A. BULL, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 8, 1922. Serial No. 559,485. 11 Claims. (Cl. 137—153.)



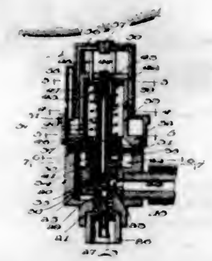
2. In a suction responsive governor for hydrocarbon motors, in combination, a throttle valve in the intake passage, and operating means for said valve including a member responsive to the suction effect in the intake passage, a spring opposing movement of said member in one direction, and means including a cam device for effecting a balance of the suction and spring effects on said member at a predetermined speed of the motor.

1,584,933. GOVERNOR. ROBERT G. HANDY and ARTHUR A. BULL, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 4, 1922. Serial No. 604,934. 35 Claims. (Cl. 137—152.)



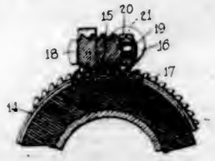
29. In a governor of the character described, an unbalanced butterfly valve, means forming a passage from one side to the other of the valve when closed, and means to counterbalance the valve in all its positions at a predetermined speed of the motor.

1,584,934. ADJUSTABLE PRESSURE FEED AND EQUALIZING CHUCK FOR INFLATING HOSE. WILLIAM A. HARRIS, Greenville, S. C., assignor, by direct and mesne assignments, to The G. & H. Tire Chuck Gauge Company, Greenville, S. C., a Corporation of South Carolina. Filed Sept. 15, 1924. Serial No. 737,886. 7 Claims. (Cl. 50—4.)



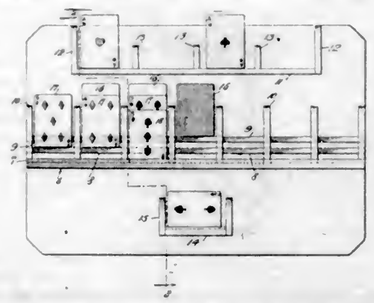
5. A valve stem engaging chuck for inflation hose having valved air intake and outlet means and valved air escape means, spring actuated pressure controlled means in turn controlling the valve of the air intake means and arranged to open the air escape means to the outlet means upon actuation of the controlling means by its spring and also by air pressure, and graduated adjusting means for regulating the effective pressure of the actuating spring of said controlling means.

1,584,935. CLAMP. CHARLES E. HATHORN, Hempstead, N. Y. Filed Mar. 20, 1925. Serial No. 16,885. 10 Claims. (Cl. 24—19.)



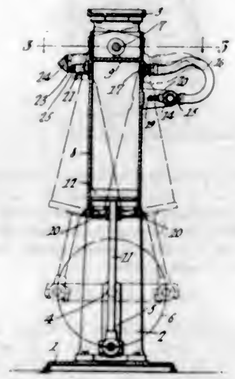
1. A clamp including a metallic band provided with teeth, and a freely rotatable clamping screw permanently fastened to said band and movable bodily relatively thereto into and out of threaded engagement with said teeth.

1,584,936. PLAY BOARD. FREDERICK A. HECKER, Jersey City, N. J. Filed Dec. 2, 1925. Serial No. 72,623. 5 Claims. (Cl. 273—130.)



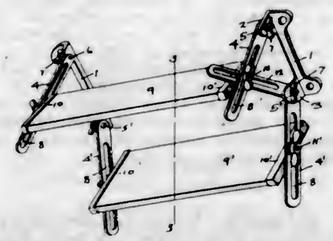
3. A play board having a substantially flat top, a plurality of parallel card rest ledges thereon extending along the said surface of the board and disposed at an angle to said surface, said ledges also extending at successively increasing elevation away from said surface, all of said ledges being free from obstruction in front thereof and exposed to the view of the player for permitting immediate contact of the bottom edges of the cards therewith.

1,584,937. AIR ENGINE. KARL HERMAN, Trenton, N. J. Filed Sept. 3, 1924. Serial No. 735,705. 3 Claims. (Cl. 121—63.)



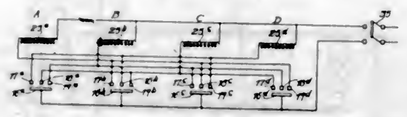
1. The combination with a fixed supply pipe and a fixed bar spaced therefrom, of a plurality of cylinders pivotally suspended between the pipe and bar, a shaft having cranks, pistons in the cylinders, rods connecting the pistons to the respective cranks, said cranks and rods cooperating to oscillate the cylinders, each cylinder having an inlet port and an exhaust port, a flexible pipe connection between each inlet port and the supply pipe, poppet valves for controlling communication between the supply pipe and the respective flexible pipes, each cylinder, when moved in one direction, constituting means for unseating the poppet valve associated with the supply pipe and a poppet valve carried by each cylinder and normally closing the exhaust port, said cylinder, when moved in the opposite direction, constituting means for directing the stem of said poppet valve against the fixed bar to unseat the valve and open the exhaust.

1,584,938. ADJUSTABLE MIRROR MOUNTING. GEORGE H. HIGBEE, Jr., Berkeley, Calif. Filed Feb. 23, 1922. Serial No. 538,555. 2 Claims. (Cl. 45—97.)



1. A rear view mirror comprising a base adapted to be secured to the rear end of a vehicle top having a rear window therein; a pair of slotted arms adjustably mounted on each of the opposite ends of said base; a pair of mirrors; means to adjustably support the ends of each of said mirrors between the pairs of slotted arms so that the reflecting surface of one mirror faces at an angle to the reflecting surface of the other mirror to reflect on one mirror the images reflected on the other mirror through the rear window in the vehicle top.

1,584,939. CONTROLLING ELECTRICALLY-OPERATED MACHINES. HENRY S. HOLMES, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Oct. 22, 1924. Serial No. 745,265. 15 Claims. (Cl. 219—8.)



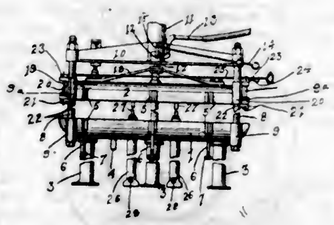
13. Controlling mechanism for a plurality of electric machines served from a common source of current insufficient to operate them all at once, comprising means actuated by the closing of the circuit of one machine for locking other machines out of operation.

1,584,940. ADVERTISING DEVICE. GEORGE HORNECKER, Elmhurst, N. Y., assignor to L. R. Conwell, New York, N. Y. Filed Oct. 3, 1924. Serial No. 741,305. 7 Claims. (Cl. 211—24.)

1. An advertising device comprising two vertical supports, illustrations formed at the tops of said supports, panels formed centrally thereof and wings formed sidewardly thereof, a plurality of interlocking incisions between said wings and said panels adapted to lock said supports together, a brace between said supports for bowing them from one another and a horizontal tongue extending between them adapted to hold an object.

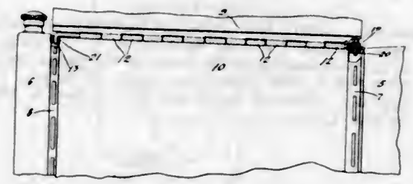
1,584,941. TIRE-VULCANIZING APPARATUS. EDWARD HUTCHENS, Milwaukee, Wis. Filed Mar. 10, 1924. Serial No. 698,071. 1 Claim. (Cl. 18—17.)

In a vulcanizer, a lower stationary section, guide rods extending upwardly from said section, an upper section having guide sockets for slidably receiving said guide rods, power operated means for raising said upper section, brackets secured to a pair of said guide sockets, rods rotatably mounted in said brackets, dogs secured to the lower ends of said rods, a pair of said guide rods



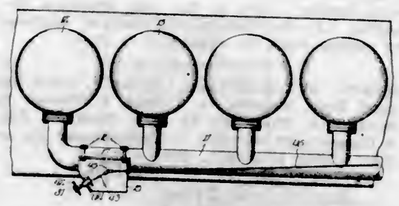
having notches for locking engagement with said dogs and means for simultaneously rotating said rods to lock said upper section in elevated position.

1,584,942. ADJUSTABLE HOOD HINGE AND BRACE ROD. ROBERT K. JACK, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 6, 1924. Serial No. 754,360. 4 Claims. (Cl. 180—69.)



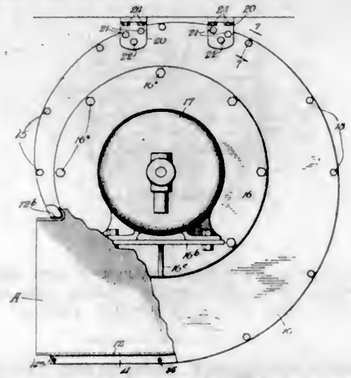
1. An adjustable connector and hood door hinge device comprising in combination a rod bent to form a hook at one end thereof, and which rod is threaded at its other end; and a connecting member having an internally threaded neck adapted to receive the threaded end of said rod, and a hole extending at right angles to the axis of said rod and neck and adapted to receive a fastening bolt.

1,584,943. INTERNAL-COMBUSTION-ENGINE HEATER. ADOLPH T. JOHANSON, Chicago, Ill., assignor of one-half to Milton E. Page, jr., Chicago, Ill. Filed Apr. 10, 1924. Serial No. 705,436. 6 Claims. (Cl. 123—180.)



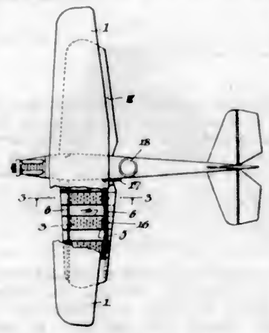
1. The combination of an internal-combustion engine having an exhaust-pipe for the discharge of the products of combustion, a fuel-burner in said exhaust-pipe, a valve controlling the supply of fuel to said burner, an inlet-valve adapted to admit air into said exhaust-pipe, and means to control the opening and closing of said air-inlet valve.

1,584,944. BLOWER CONSTRUCTION. ARTHUR J. JOHNSON, Chicago, Ill. Filed May 28, 1921. Serial No. 473,490. 4 Claims. (Cl. 230—11.)



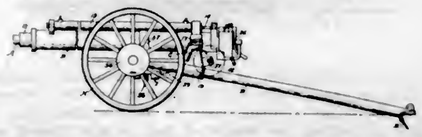
1. In a device of the class described, side plates, a scroll carried therebetween and located inwardly of the outer periphery thereof, bracket members having spaced flanges, and means to secure said flanges to the extending portion of said side plates.

1,584,945. AIRPLANE POWDER-DUSTING APPARATUS. ELMER JOHNSON, Washington, D. C., assignor to the Government and the People of the United States. Filed Feb. 5, 1926. Serial No. 86,357. 3 Claims. (Cl. 244—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



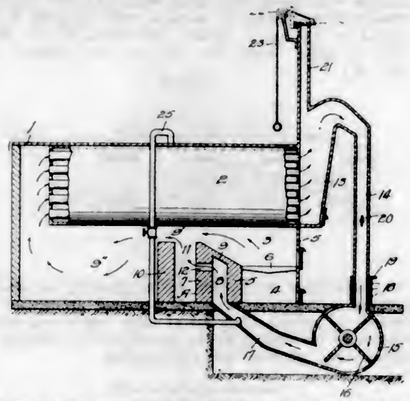
1. In airplane dusting apparatus, a plurality of dusting hoppers in the wing structures of the airplane, and means forming a part of the wing structures for discharging into the air granular material contained in said hoppers while the airplane is in flight.

1,584,946. GUN CARRIAGE. BRYAN P. JOYCE, Davenport, Iowa, assignor to Thomas A. Conlon, Silver Spring, Md. Filed July 31, 1924. Serial No. 729,322. 6 Claims. (Cl. 89—40.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



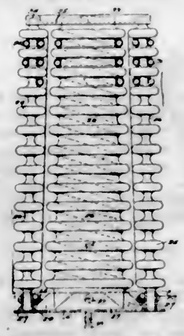
3. In combination with a trail, a top carriage and an axle housing, an elevating mechanism including a casing carried by the housing, a bearing rotatable within the casing, a spherical nut rotatable with the bearing, a threaded shaft passing through the nut, and means connected with the top carriage for rotating the bearing.

1,584,947. SMOKE-CONSUMING FURNACE. JAMES KELLEY, St. Louis, Mo. Filed Aug. 17, 1925. Serial No. 50,791. 2 Claims. (Cl. 110—49.)



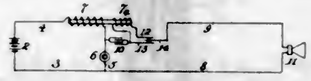
1. In a self smoke consuming furnace, a furnace casing, a return tubular boiler mounted in said casing, a hollow bridge wall having openings in its rear wall, a grate directed forwardly from said bridge wall with an ash pit therebelow and a combustion chamber to the rear of said bridge wall, a flue cap housing applied to one end of the tubular boiler, a vent pipe directed upwardly to the atmosphere from said flue cap housing, a smoke conduct directed downwardly from the upper end of said flue cap housing, a damper for said conduct, a fan housing at the lower end of said conduct, rotatable fan blades within said fan housing, said conduct having air opening between the damper and the fan housing, a conduct extending from the fan housing to the hollow bridge wall, a baffle wall positioned to the rear of said hollow bridge wall and extending upwardly to a position even with the top of the hollow bridge wall so as to direct the unconsumed smoke and gases into the path of the flames from the fire box as they enter the combustion chamber and a movable cap for said vent pipe.

1,584,948. ELECTRIC HEATER. ARTHUR J. KEACHER, Berkeley, and WILLIAM WESLEY HICKS, San Francisco, Calif. Filed Mar. 10, 1924. Serial No. 698,089. 7 Claims. (Cl. 219—34.)



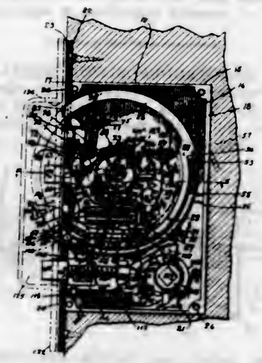
1. In a heating element, a flat refractory support having a groove extending around its periphery, said support having two opposite wide faces and two opposite narrow faces, and the groove forming a continuous thread around it, with horizontal portions only on one of the wide faces, and a coiled wire disposed in said groove.

1,584,949. TELEPHONE SYSTEM. NATHAN A. KURMAN, New York, N. Y., assignor to International Callophone Corporation, a Corporation of Delaware. Filed Jan. 9, 1919. Serial No. 270,385. 5 Claims. (Cl. 179—1.)



1. A telephone system comprising a transmitter; a battery; a self-inductance coil; and a transmitter circuit including the transmitter, battery and inductance coil in series; in combination with a receiver; and a receiver circuit including the receiver, battery and inductance coil and also containing a condenser between the receiver on the one hand and the battery, inductance coil and transmitter on the other hand.

1,584,950. CURVED BOLT LOCK. CLIVE W. LANPHERE, New York, N. Y. Filed Oct. 18, 1924. Serial No. 744,327. 66 Claims. (Cl. 70—46.)



1. A lock comprising a casing, a pivotal bolt having a hub mounted on a wall of said casing, said hub having a recess, and means engaging said recess to hold the bolt in operative position within said casing.

44. The combination with a lock having an arcuate bolt and a latch, of a closed guard having three spaced-apart openings, said bolt being adapted to engage two of said openings and said latch engaging the remaining opening, the latch opening being outside of the path of movement of said bolt.

1,584,951. STENCIL SHEET. RICHARD LANT, Vienna, Austria, assignor, by mesne assignments, to D. Gestetner, Limited, London, England, a British Company. Filed Nov. 16, 1922. Serial No. 601,415. 16 Claims. (Cl. 41—38.6.)

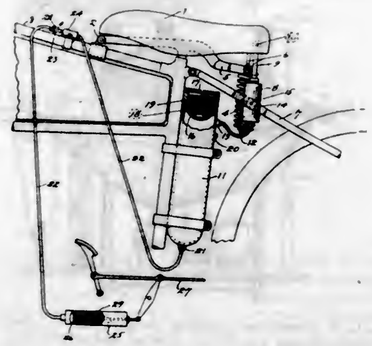
3. A stencil sheet comprising a base of open porous material coated with a composition substantially free from water and hygroscopic materials and containing a protein and a proportion of non-hygroscopic softening agents amounting to several times the weight of the protein.

9. A stencil sheet for use in duplicating manuscript and typewritten documents, drawings and the like, comprising a stencil layer in the form of a disperse system including a gelatinized organic colloid deposited from an aqueous medium and an oily body as the main tempering agent.

1,584,952. BELT DRESSING. JAMES M. LAUDERDALE, Mexia, Tex. Filed Nov. 16, 1925. Serial No. 69,504. 1 Claim. (Cl. 134—8.)

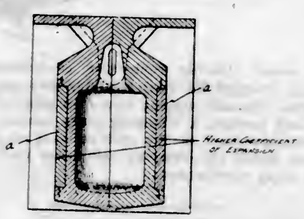
A belt dressing composition comprising the following ingredients in the proportions named: cylinder oil, thirty (30) gallons; castor oil, two (2) gallons; lard oil, three (3) pounds; resin, fifty (50) pounds; and cassia.

1,584,953. SEAT-OPERATED AIR STORAGE AND BRAKE. RAY LEARMONT, Boorowa, New South Wales, Australia. Filed Apr. 29, 1925. Serial No. 26,782. 8 Claims. (Cl. 303—10.)



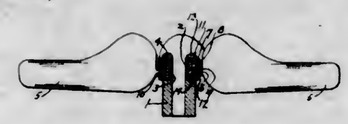
1. In a motor cycle, a compressed air storage tank, a pump connected for delivering air to the tank and connected for operation by the seat of the vehicle through the bouncing movement of the rider thereon.

1,584,954. CONTROL FOR PERMANENT MOLD DISTORTION. HARRY S. LEE and AMOS E. CHAFFEE, Plymouth, Mich.; said Chaffee assignor to said Lee. Filed June 23, 1925. Serial No. 39,053. 6 Claims. (Cl. 241—36.)



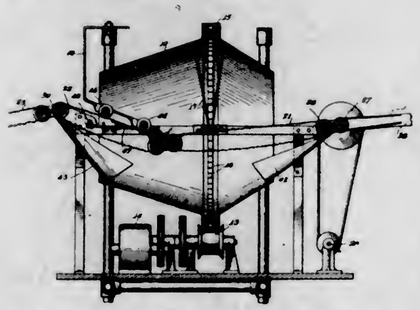
1. A pair of permanent mold sections tending to distort slightly when heating up, and thermally-responsive means for countervailing such distortion by interposing thermally controlled resistance thereto.

1,584,955. FLUID PROPELLER. WILLIAM H. LEINWEBER, Chicago, Ill., assignor to Hi-Lo Fan Corporation, Chicago, Ill., a Corporation of Delaware. Filed Mar. 10, 1924. Serial No. 698,072. 10 Claims. (Cl. 170—173.)



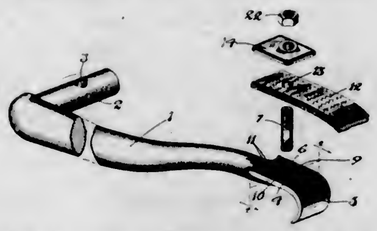
1. A sound insulator for fan and propeller blades, comprising an insulating sleeve and disks between the blades and around the hub thereof.

1,584,956. POWDERING MACHINE. SAMUEL LIPSIUS, New York, N. Y. Filed Apr. 10, 1924. Serial No. 705,415. 17 Claims. (Cl. 91—52.)



1. A powdering machine comprising a rotating drum having means for lifting powder and a conveyor for carrying printed sheets through said drum.

1,584,957. SHOCK-ABSORBER ARM AND CONNECTION. RALPH M. LOVEJOY, Meredith, N. H. Filed June 5, 1922. Serial No. 565,885. 5 Claims. (Cl. 267—10.)



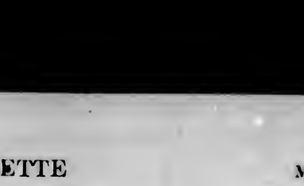
1. A shock absorber connection comprising an arm having an integral flat strap-receiving seat provided with transverse ribs and merging into a smooth curved strap-flexing end portion, a clamping plate having transverse ribs complementary to the ribs on said strap-receiving seat and means for clamping said plate upon said arm with a strap therebetween.

1,584,958. WEIGHT INDICATOR. JOHN WARREN MACCLATCHIE, Compton, Calif. Filed Jan. 5, 1924. Serial No. 684,569. 3 Claims. (Cl. 265—42.)

1. A weight indicator comprising, in combination; a body member supporting a vertical cylinder; a reciprocable piston within the cylinder having a stem whereby it may be displaced; a vertically slidable rod upon the body member adapted for having a load suspended therefrom and engaging said stem; a spring upon the body member adapted to oppose downward movement of said

rod; and means for indicating weights proportional to the deflection of the spring by the displacement of liquid by said piston; said indicating means being substantially independent of pressure variations in said liquid.

1,584,959. ELECTRODEPOSITED METAL. CHARLES P. MADSEN, Newark, N. J., assignor to Madsenell Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 26, 1919, Serial No. 292,794. Renewed July 28, 1925. 2 Claims. (Cl. 204—14.)

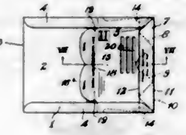


1. As an article of manufacture, electrodeposited "nickel metal" of a dense, reguline structure, being malleable and ductile, and substantially free from pores, pits and hydrogen.

1,584,960. SPINNING TOP. LOUIS A. MASSETTE, Detroit, Mich. Filed Nov. 30, 1923. Serial No. 677,659. 1 Claim. (Cl. 46—32.)

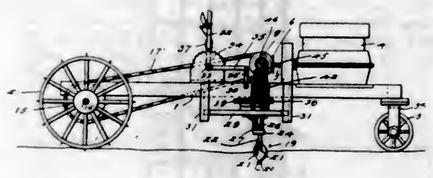
In a spinning-top, the combination with a bracket provided with extended arms having pintle receiving bearings on each arm, with a top provided with a spinning pintle at either end, one of which pintles is provided with a collar adapted to engage one end of the top and having its opposite end screw-threaded, another pintle provided with a flange adapted to engage the opposite end of the top and having its inner end screw-threaded and adapted to receive and hold said first named pintle.

1,584,961. DUPLEX ENVELOPE. FREDERICK JAMES PARKS, Cleveland, Ohio. Filed Sept. 22, 1924. Serial No. 738,991. 6 Claims. (Cl. 229—72.)



1. A duplex envelope formed from a blank, said blank consisting of a rectangular portion of which a part intermediate its ends is to be double folded, the free end of said portion being folded back upon the opposite end of said portion which is beyond said double folded part, said rectangular portion being connected to a wider second portion having side edges to be creased and folded and whose free end is to be triple creased and folded, said envelope having said two portions folded upon one another, a two-ply pocket flap formed on said first-named portion from said double folded part to form a pocket adjacent the mouth of the envelope, said flaps formed along opposite sides of said second-named portion and folded back and secured to the side edges of both ends of the first-named portion, and a three-ply closure flap formed on the free end of said second-named portion and folded over said pocket flap and detachably interlocked in doubled form in said pocket.

1,584,962. TRACTOR PLOW. ERNEST A. SCHMUTTE, White Bluff, Tenn. Filed Feb. 5, 1925. Serial No. 7,112. 2 Claims. (Cl. 97—43.)

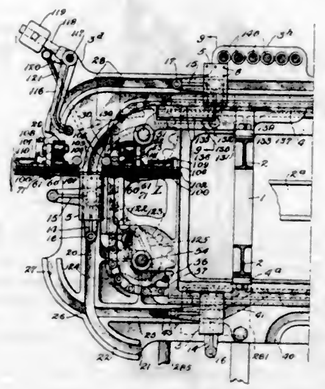


2. In combination with a tractor, of a vertically arranged drum gear journaled on the tractor and adapted to be driven from the engine thereof, a plate, vertical tool-carrying shafts journaled in said plate, a gear fixed to each shaft, an idle gear journaled on the plate and meshing with the gears fixed to said shafts, one of the latter gears meshing with the drum gear, and means for connecting the plate to the tractor for vertical adjustment.

1,584,963. NESTABLE CULVERT. KARL JOHAN THORSAY, Oakland, Calif., assignor to California Corrugated Culvert Company, Oakland, Calif., a Corporation of California. Filed Feb. 18, 1925. Serial No. 9,967. 2 Claims. (Cl. 137—75.)

1. Arcuate culvert sections having sides with terminal edges, said sides being provided along their edges with a succession of tongues, alternate tongues having sides converging from extremity to base and the intervening tongues having sides converging from base to extremity, said first named tongues being bent at their bases to offset them from the normal arc of the culvert section, and said last named tongues lying in said arc.

1,584,964. RECEPTACLE-MAKING MACHINE. CHARLES P. WELLMAN, West Medford, Mass. Filed July 7, 1919. Serial No. 309,115. 73 Claims. (Cl. 93—44.)

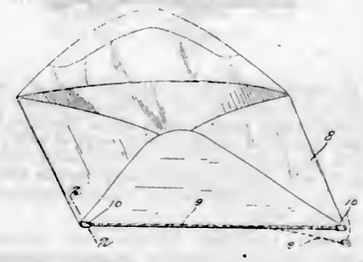


1. A machine adapted to make lined receptacles having therein means for making a bag by folding and fastening together a relatively flexible sheet in combination with means constructed to operate upon box-forming material acting to form a box by bending and fastening together about the bag overlapping flaps of a relatively stiff blank.

1,584,965. TREATMENT OF PEAT AND PRODUCT THEREOF. EDMUND H. WINTER, Bemidji, Minn. Filed Apr. 3, 1925. Serial No. 20,545. 12 Claims. (Cl. 44—27.)

1. A process of making a product from peat that includes mixture therewith of lime, starch, alum, nitrate, and sugar, and curing the resultant by exposure to air.

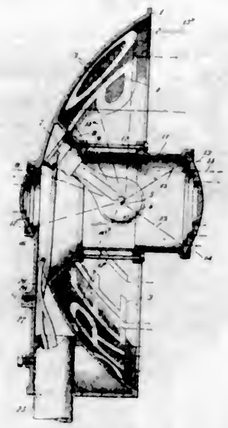
1,584,966. ENVELOPE-OPENING ATTACHMENT. WILLIAM AAB, New Ulm, Minn. Filed Feb. 8, 1924. Serial No. 691,384. 1 Claim. (Cl. 229—86.)



An envelope having an attached opener comprising a cutting cable extended within the envelope along one edge thereof, and a metallic clip applied to the exterior of a corner of the envelope and anchored to the ad-

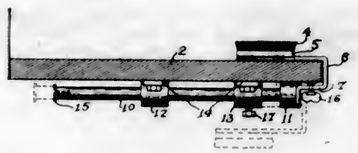
jacent end of said cutting cable, the said clip having a U-shaped cross section with its back extending longitudinally of said cable, the sides of said clip being transversely corrugated and clinched onto said envelope and cable.

1,584,967. STREET STOP-LIGHT SIGN. HERMAN P. ANDRESEN, Chicago, Ill. Filed Mar. 7, 1925. Serial No. 13,727. 2 Claims. (Cl. 40—131.)



1. A street stop light sign embodying therein an incandescent lamp, a socket therefor, a parabolic wall surrounding said incandescent lamp at least in part, said lamp socket being positioned at one side of the focal axis of the sign, means for converting a portion of the light from said lamp into a projected pencil of light, said parabolic wall having an opening therein so that a portion of the light rays can be seen from the rear, said parabolic wall having light reflecting surfaces formed thereon positioned to form visible indicia.

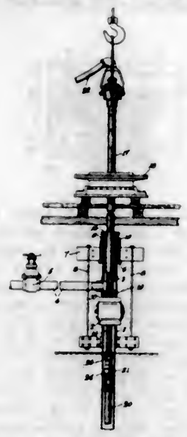
1,584,968. FOOT WIPER FOR AUTOMOBILES. MARGARET L. ARNOLD, Chicago, Ill. Filed Feb. 11, 1925. Serial No. 8,359. 4 Claims. (Cl. 15—161.)



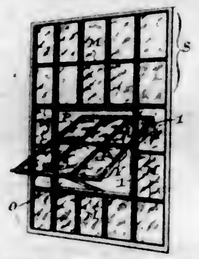
1. In combination with a running board of an automobile, a rod slidingly and revolubly mounted on the under side of said running board, straps connected to said rod and adapted to extend over the edge of said running board, a foot mat on the top of the running board connected to said straps, said rod being slidable and rotatable for concealing said mat in inverted position below the running board.

1,584,969. WELL. ARTHUR T. BEAZLEY, Tampico, and NICHOLAS O. WATSON, Puerto Mexico, Mexico. Filed Apr. 9, 1923. Serial No. 630,689. 14 Claims. (Cl. 166—15.)

1. The combination with a casing head and drilling means movable relatively to the casing head and comprising a drill and its support, of means including a part carried by the drilling means and movable upwardly therewith into contact with the said head to effect a seal between the head and the drilling means.

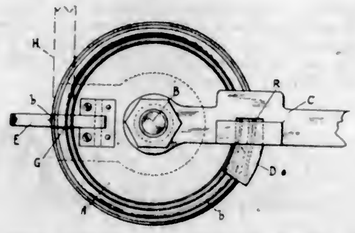


1,584,970. PIVOTAL SASH MOUNTING. CHARLES BERGER, Philadelphia, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1921, Serial No. 468,288. Renewed Sept. 4, 1924. 9 Claims. (Cl. 189—69.)



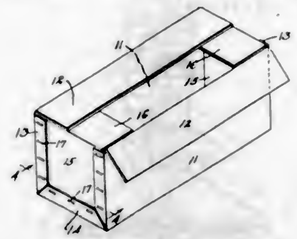
1. A hanger element for pivoted window sashes in the form of a metallic bar having a channelled cross sectional configuration, and provided at one end with an integral lateral projection adapted to serve as a pivot ear.

1,584,971. METAL FORMER. JOHN BIRO, New York, N. Y. Filed Sept. 20, 1924. Serial No. 738,900. 4 Claims. (Cl. 153—3.)



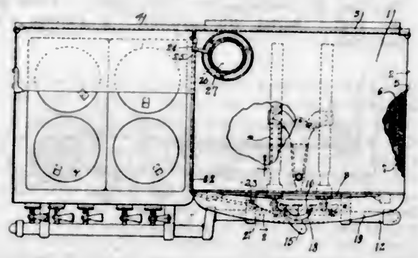
1. A metal former of the character described comprising a die block having its top provided with an annular shaping surface, means forming part of said shaping surface for anchoring one end of a blank below the plane of said shaping surface, a die carrier mounted to travel over said shaping surface, and a die supported by said carrier and cooperating with said shaping surface.

1,584,972. SHIPPING CASE. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Aug. 7, 1924. Serial No. 730,768. 1 Claim. (Cl. 229—23.)



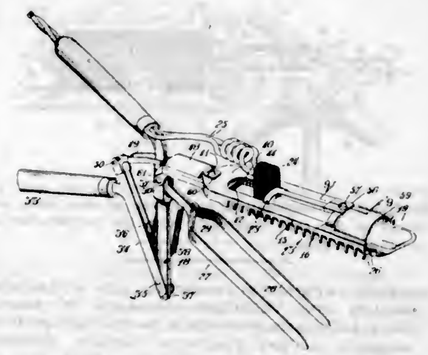
A paper or straw board box comprising a main body blank providing a box bottom, two sides, two top flaps, said top flaps being arranged to fold towards each other over the top of the box so their edges will meet each other, and end securing strips folded over each end of each side and each end of the bottom, a pair of end blanks each providing a top flap so positioned as to fold over the top of the box so as to lie adjacent the under surface of the top flaps, and means for rigidly securing said end blanks to said end securing strips, substantially as described.

1,584,973. STOVE. STANHOPE BOAL, WILLIAM SHERMAN ROSS, and JOHN DILWORTH, Piqua, Ohio, assignors to The Favorite Stove & Range Company, Piqua, Ohio, a Corporation of Ohio. Filed Jan. 21, 1924. Serial No. 687,415. 1 Claim. (Cl. 126—39.)



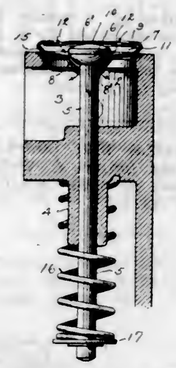
In a stove construction, the combination with a combustion chamber having an exhaust flue leading therefrom, of a rotatable damper mounted in said flue, a guard plate projecting from the front wall of the combustion chamber, a plurality of burners mounted in the combustion chamber and extending through the front wall thereof beneath the guard plate, a fuel-supply pipe communicating with the burners, valves beneath the guard plate controlling the communications between the supply-pipe and the burners with each valve having an angularly displaceable actuating arm and one of the arms extending beyond the guard plate to form an operating handle, a link connecting the valve arms and provided with a pin movable in a slot in the guard plate to indicate the movement of the valves, and means connecting the operating handle with the damper to turn the latter with the actuation of the valves.

1,584,974. HAIR-WAVING DEVICE. CLIFFORD C. BRADBURY, Glencoe, Ill., assignor to Lloyd O. Coulter. Filed May 12, 1924. Serial No. 712,612. 13 Claims. (Cl. 132—32.)



4. A hair waving device comprising a base member, a hair clamping member arranged for movement towards said base, a hair engaging iron reciprocably mounted in said base for producing waves in the hair, manually engageable portions for actuating said clamping member and for thereafter reciprocating said iron, and manually adjustable stop means on said iron adapted to engage a stop on said base member for limiting the distance of reciprocation of the iron whereby the length of wave produced in the hair may be varied.

1,584,975. POPPET VALVE. LUPU WILLIAM BRENNER, Detroit, Mich. Continuation of application Serial No. 216,093, filed Feb. 8, 1918. This application filed June 7, 1920. Serial No. 387,262. 42 Claims. (Cl. 251—46.)

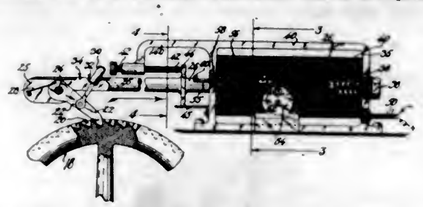


22. In a poppet valve, a hollow valve head, a stem therefor, a part spherical head upon said stem within said valve head, the outer end of said head being convex and having a rocking thrust bearing upon one wall of the valve head, the spherical face of the head being engaged in a correspondingly shaped socket in the valve head for limited universal adjustment.

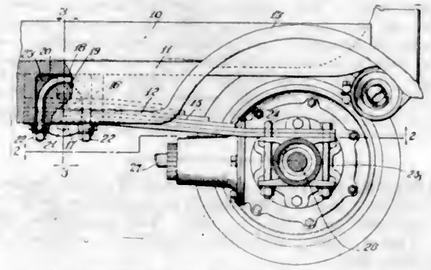
1,584,976. MICROMETER FEEDING DEVICE FOR METAL-WORKING MACHINES AND THE LIKE. LIONEL JOHN BRUNTON, Boulder, Colo. Filed Jan. 30, 1923. Serial No. 615,970. 2 Claims. (Cl. 82—24.)

1. In combination, a machine, a tool carrier movably mounted thereon, a ratchet on the machine having connection with the carrier for advancing the tool, a sole-

mold winding mounted on the machine, means for completing an electric circuit through the winding, a core movable in said winding, adjustable means for predetermining the amount of movement of the core, and means on the core engageable with the ratchet for advancing the same.

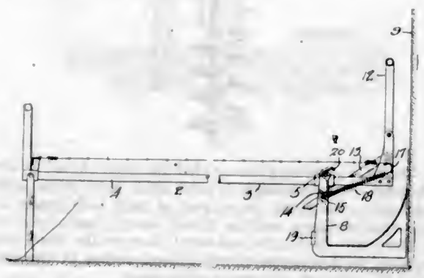


1,584,977. SPRING SUPPORTING AND ATTACHING MEANS FOR VEHICLES. FREDERICK W. BURGER, Niles, and BERGER STOCKFLETH, Berrien Springs, Mich., assignors to Clark Tructractor Company, Buchanan, Mich., a Corporation of Michigan. Filed Dec. 31, 1923. Serial No. 683,721. 9 Claims. (Cl. 280—106.)



1. The combination of a vehicle frame having a spring-receiving channel, saddle blocks at opposite sides of said channel, a spring disposed between said saddle blocks, and means cooperating with said saddle blocks to clamp the spring to the frame.

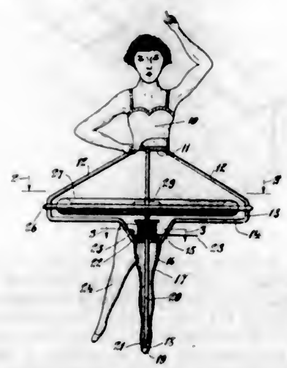
1,584,978. FOLDABLE BED CONSTRUCTION. GORDON F. CANE and ARTHUR C. WHEELOCK, Oakland, Calif. Filed Nov. 18, 1920. Serial No. 424,880. 6 Claims. (Cl. 5—137.)



1. In a bed of the class described, a fixed support at the head of the bed, a bed frame pivotally mounted intermediate its ends on said support about a horizontal axis, a vertically disposed head board pivotally connected intermediate its ends to said frame, and a link connected to said support and board and having its points of connection therewith spaced below and substantially equidistant from the frame pivot and the board pivot respectively.

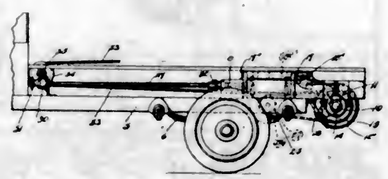
4. In a foldable bed, a pair of supports adjacent the opposite sides of and diverging toward the head end of the bed, and a bed-frame pivoted to said supports and provided with side rails arranged to lie within the divergent ends of said supports and without the convergent ends thereof.

1,584,979. GYROSCOPIC TOY. WILLIAM C. CLAUSEN, Bronx, N. Y. Filed June 3, 1925. Serial No. 34,692. 2 Claims. (Cl. 46—32.)



1. A figure toy comprising a body portion, a substantially conical wire frame on which the body portion is mounted, a leg extending rigidly below said frame, a sphere rotatably mounted in the extremity of said leg, a second leg mounted to move outward, a spindle extending through the rigid leg to the body, a gyroscopic wheel centered on said spindle above said rigid leg, and means for initially actuating said wheel to cause the entire structure to rotate.

1,584,980. AUTOMOBILE WINCH MOUNTING. CHARLES B. CURTISS, Bay City, Mich. Filed May 19, 1921. Serial No. 470,804. 2 Claims. (Cl. 254—166.)



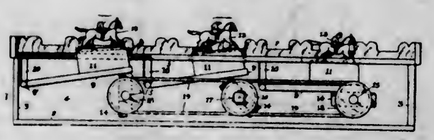
1. In combination with a self propelled vehicle, a superimposed frame mounted on the chassis between the frame and the body of the vehicle and projecting rearwardly therefrom, a winch mechanism detachably secured to the underside thereof, auxiliary transmission mechanism secured to the frame and having driving connection with the said winch mechanism, and means for connecting the power take off shaft of the vehicle with the auxiliary transmission mechanism for driving the said winch.

1,584,981. DOOR CLOSER AND CHECK. ALBERT JAMES DE HON, Hoboken, N. J. Filed June 22, 1925. Serial No. 38,635. 18 Claims. (Cl. 16—52.)

2. In a door closer and check, the combination of a chambered, substantially cylindrical body portion having a reciprocating spring actuated and pressure restrained tubular member adapted to move longitudinally forwardly and backwardly in said chambered body portion and be automatically controlled to variable stages of movement therein against fluids of differing degrees of density by a spring supported pressure regulated valve

encased within said tubular member longitudinally adjustable therein but normally in fixed relation to said tubular member during the longitudinal movement of the latter.

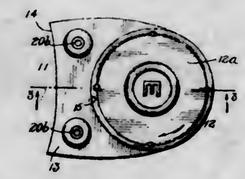
1,584,982. MECHANICAL TOY. CARL A. DIEDERICHS, Pittsburgh, Pa. Filed Oct. 28, 1925. Serial No. 65,326. 1 Claim. (Cl. 46—40.)



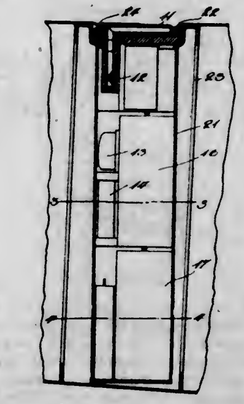
In combination, a toy comprising a rectangular casing, a cover plate representing a race track secured to the top of said casing, said cover plate formed with a plurality of elongated slots, carriers having their rear ends pivotally connected in said casing, supports fixedly mounted on said carriers and having their upper ends extending into said slots, the top of each of said supports formed with a groove, a figurative object carried by each of said supports and detachably connected in said grooves, actuating bars rotatably mounted in said casing and engaging the forward end of said carriers, said actuating bars being rectangularly shaped in transverse cross section and of a greater width than thickness for alternately elevating and lowering the said carriers during the rotation thereof, and means associated with said actuating bars to cause the simultaneous operation thereof, substantially as described and for the purpose set forth.

1,584,983. ADJUSTABLE RUBBER HEEL. ARTHUR M. EICHORN, New York, N. Y., assignor to Evernu Rubber Heel Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 29, 1925. Serial No. 26,628. 8 Claims. (Cl. 36—39.)

1. A rubber heel comprising, in combination, a base, a tip, and means for disconnectibly attaching the tip to the base, said means including a plate carried by one of the parts aforesaid and a headed member carried by the other, the plate having an opening to receive the head when the part carrying it is slipped therealong with the head at an oblique angle to the plate, and the plate having stop means to limit and prevent sliding movement in any direction of the headed member in a plane parallel to the plate.

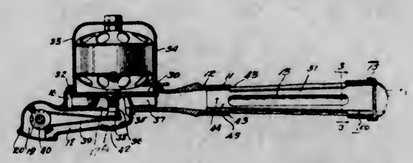


1,584,984. TORPEDO. EDGAR A. EWING, Chicago, Ill., assignor to The Government of the United States Represented by the Secretary of the Navy. Filed Feb. 1, 1923. Serial No. 616,400. 3 Claims. (Cl. 114—20.)



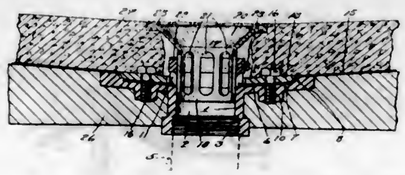
1. In a torpedo, in combination, electrical signal producing means, means in contact with the water in which the torpedo is placed for transmitting the vibrations of said signal producing means to the water and a hydrostatically actuated switch for closing the circuit through said signal means when the torpedo reaches a predetermined depth.

1,584,985. VACUUM CLEANER. FRANK W. FINKHOUSEN, Fort Wayne, Ind. Filed July 26, 1922. Serial No. 577,645. 4 Claims. (Cl. 15—7.)



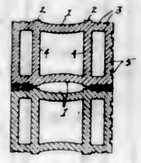
3. A vacuum cleaner having hollow nozzle and handle members of which the former carries a suction producing means comprising a fan and a fan chamber, said handle member being in communication with the fan chamber and provided with longitudinally extending air vents, and a removable, air penetrable, dust receiving and holding bag fitted within the handle member and containing expansible retaining means, said handle member having a removable closure at its outer end.

1,584,986. FLOOR DRAIN. WELLS S. FLEMING, Portland, Oreg. Filed Nov. 25, 1925. Serial No. 71,331. 4 Claims. (Cl. 182—31.)



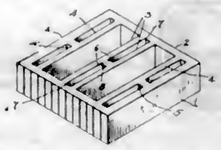
1. In a floor-drain, a tubular body having a laterally directed flange having an annular recess on its upper face, a sheet of water-proof material overlying said flange, an annular clamping-plate adapted to seat in said flange-recess and to be clamped to the flange upon said water-proof material to present an unobstructed surface with the waterproof material overlying the outer edge of the flange having drainage into the tubular body, and a sleeve arranged to be adjustably set within said tubular body.

1,584,987. HOLLOW-CLAY STRUCTURAL UNIT. OSCAR C. MCCORMICK, Cleveland Heights, Ohio; Maude W. McCormick administratrix of said Oscar C. McCormick, deceased. Filed Aug. 1, 1921, Serial No. 488,763. Renewed Oct. 28, 1925. 1 Claim. (Cl. 72—41.)



A structural unit of the character described, comprising a hollow block formed with a longitudinally extending opening and having its top and bottom surfaces provided with centrally located longitudinal grooves, longitudinally extending flat ribs bounding the lateral edges of said grooves, said ribs being raised from said surfaces and adapted to form mortar stops, and two longitudinally extending reinforcing partitions in approximate alignment with said ribs on the top and bottom surfaces of the block providing lateral openings on either side of said longitudinally extending central opening and strengthening said unit adjacent its longitudinal side faces.

1,584,988. HOLLOW-CLAY STRUCTURAL UNIT. OSCAR C. MCCORMICK, Cleveland Heights, Ohio; Maude W. McCormick administratrix of said Oscar C. McCormick, deceased. Filed Aug. 3, 1921, Serial No. 489,427. Renewed Oct. 28, 1925. 3 Claims. (Cl. 72—41.)

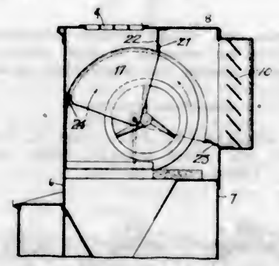


1. A structural unit of the character described, comprising a rectangular hollow brick equal in its over-all dimensions to two standard bricks laid side by side, the opening in said brick extending vertically and said brick having a double transverse partition located midway between the ends of such opening and a single partition located adjacent to but spaced from each such end, the side walls of the brick being vertically scored on a line between the parts of said middle partition.

1,584,989. SPRING. RAYMOND C. MORRIS, Kalamazoo, Mich. Filed Oct. 1, 1923. Serial No. 666,016. 3 Claims. (Cl. 267—49.)

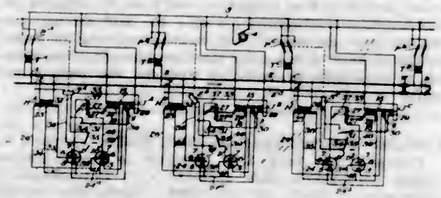
1. A leaf spring comprising a bottom member tapered toward each end and having a central enlargement on its upper side and an intermediate member tapered toward each end and having a central offset curve to receive said enlargement, a top member of uniform thickness having a central curved offset to engage the curved offset of the intermediate member and having eyes at its ends, said intermediate member being provided with longitudinal recesses in its upper face constituting bearing cages, bearing rollers arranged in said cages in spaced relation to support the superimposed spring member, a lubricant pad arranged in said recesses, and U-clamping bolts embracing said spring members at each side of the said enlargement and offsets thereof.

1,584,990. DAMPER FOR HEATING AND VENTILATING UNITS. JOHN J. NESBITT, Atlantic City, N. J. Filed Mar. 21, 1924. Serial No. 700,820. 4 Claims. (Cl. 98—27.)



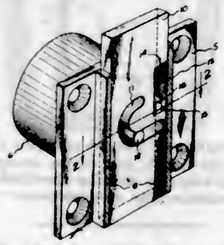
1. In a heating and ventilating unit having a blower chamber, a fresh air intake in the rear wall, an opening in the bottom and a recirculating opening in the top wall of said chamber, a single damper pivoted between the sides of the blower chamber for controlling the passage of air through the air intake in the rear wall and recirculating opening in said top of the chamber.

1,584,991. RAILWAY SIGNALING. FRANK H. NICHOLSON, Philadelphia, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Apr. 21, 1921, Serial No. 463,234. Renewed Jan. 22, 1923. Divided and this application filed Nov. 17, 1924. Serial No. 750,293. 9 Claims. (Cl. 246—38.)



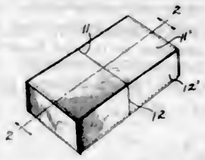
7. In combination, a section of railway track, a track circuit for said section including a source of energy reversibly connected with the rails, two other circuits for said section, means controlled by the relative polarity of the track circuit current in said track circuit for varying the resistances of said other circuits, a polarized relay controlled in accordance with the resistances of said two other circuits, and signaling means controlled by said relay.

1,584,992. DRAWER LOCK. WILLIAM D. RICHARDS, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Aug. 14, 1924. Serial No. 732,003. 1 Claim. (Cl. 70—46.)



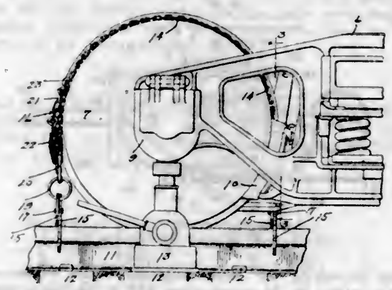
In a lock of the class described a backing plate, a bolt housing secured to one side of said backing plate, a bolt reciprocable in said bolt housing and arranged to be projected from either end thereof, said bolt having a notch in one edge, a lock housing secured to the other side of said backing plate, a lock core removably disposed in said housing, said lock core having means for engaging with and operating said bolt, and an integral lug on said backing plate arranged to project into the notch in the edge of said bolt to limit the movement of said bolt in both directions.

1,584,993. CARTRIDGE CARTON. NORMAN L. RICHMOND, Loveland, Ohio, assignor to The Peters Cartridge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 546,955. 7 Claims. (Cl. 229—51.)



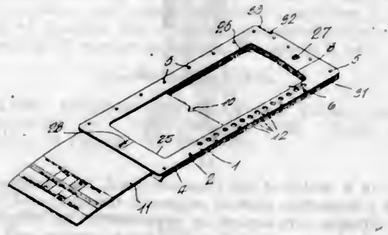
1. A carton comprising two oblong box-like sections one telescoping into the other and one comprising a rectangular bottom with a continuous flange around the periphery thereof to form upstanding walls and the other comprising a rectangular top with a continuous flange around the periphery thereof to form downwardly extending walls having a telescopic fit with said upstanding walls, both sections being composed of pasteboard paper, a break-line across the whole carton comprising a weakened line across the top and down opposite walls of the top section registering with a weakened line across the bottom and upstanding walls of the lower section, cartridges enclosed by said sections with their ends in contact with the said bottom and said top and in substantial parallel relation to each other and to the plane of said break-line, and a paper label securing the sections together to seal the cartridges in the carton in compact relation, said label having a weakened line entirely around the carton and in registry with the weakened lines of the box sections, the paper label seal being adapted to be broken between said sections to permit the top section to be removed from the lower section for access to the cartridges and when said paper seal is not broken said carton being adapted to be torn apart along said break-line to facilitate quick discharge of all of the cartridges from said carton.

1,584,994. CAR-WHEEL LOCK. HENRY M. ROBERTSON, St. Paul, Minn. Filed June 22, 1925. Serial No. 38,616. 2 Claims. (Cl. 188—45.)



1. A car wheel lock comprising a chain adapted to be applied circumferentially over a wheel structure and having at each end a track rail grapple, a take-up section for said chain having one of its ends secured to one of said grapples and having at its other end a hook adapted to be interlocked with the different links of the chain to vary the operative length thereof.

1,584,995. INSERT HOLDER FOR COMMODITY CONTROL DEVICES. AUGUSTE L. SALTZMAN, East Orange, N. J., assignor to Harry Russell Brand, New York, N. Y. Filed Feb. 12, 1921. Serial No. 444,502. 15 Claims. (Cl. 234—41.)



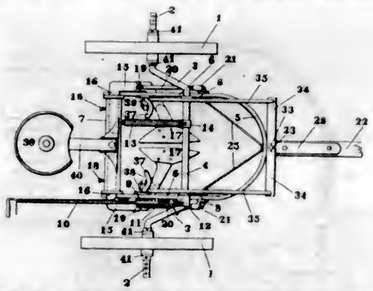
13. A holder for the purpose described comprising a free, detached frame having means for receiving an insertible and withdrawable insert, and means for positioning and alining the holder with its insert into a cooperating machine in a predetermined relation to the mechanism of said cooperating machine, the frame having means for preventing the insertion into the cooperating machine except in said predetermined proper position.

1,584,996. BEET PULLER. JOHN P. SEAHOLM, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed May 5, 1919. Serial No. 294,712. 17 Claims. (Cl. 55—106.)

1. In a beet-puller, the combination with a frame, of downwardly-extending blade-carrying beams and means for mounting said beams on the frame, said beams being movable in said mounting means to effect both a transverse and a rocking longitudinal movement of the beams.

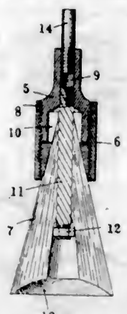
9. In a machine of the class described, the combination of a rigid frame, a pair of supporting wheels therefor, a crank-axle upon spindle portions of which said wheels are mounted, said crank-axle connected with said frame and

extending toward the rear of the frame, blade-carrying beams mounted on the frame in rear of the axes of the wheels and extending diagonally forward to position the



blades carried by the beams adjacent to the transverse vertical plane of the wheel axes, and a bracing member connected with each beam and extending to and connected with the adjacent side of said frame.

1,584,997. ROTARY ABRADING BRUSH. LLEWELLYN B. SHULTZ, St. Louis, Mo., assignor to Pilley Packing & Flue Brush Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 19, 1924. Serial No. 720,911. 3 Claims. (Cl. 15—198.)

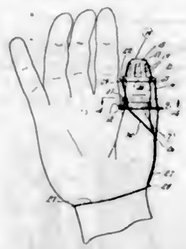


1. In a device of the class described, the combination with a supporting member externally threaded, of a conical abrading tuft secured by said member, an internally threaded compression sleeve on said member and engaging said tuft, and a lock nut on said member for securing said sleeve in adjusted position.

1,584,998. FINISHING TIE PLATES. JOHNSON V. SYMONS and THOMAS H. JOSE, Westmont Borough, and GEORGE E. THACKRAY, Bethlehem, Pa. Filed Apr. 6, 1922, Serial No. 550,127. Renewed Feb. 27, 1926. 14 Claims. (Cl. 164—15.)

1. In a tie plate finishing apparatus, a punching and shearing machine provided with a reciprocable plunger having a convex end and a corresponding fixed concave die adapted to camber the plate, a separate cambering machine, and automatic means for conveying individual sheared plates to and from the cambering tools.

1,584,999. ANTITHUMB-SUCKING DEVICE. WILLIAM MOORE THOMPSON, Chicago, Ill. Filed Oct. 13, 1924. Serial No. 743,297. 8 Claims. (Cl. 128—133.)

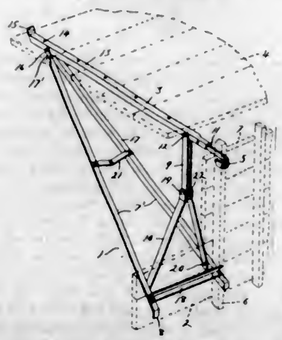


1. The combination of a thumb engaging ring, a thimble for the tip of the thumb, and chains extending from the thimble to the ring for holding the thimble in operative position, substantially as described.

1,585,000. TOOL HOLDER. ALBERT R. THOMPSON, Derby, Conn. Filed July 5, 1924. Serial No. 724,467. 6 Claims. (Cl. 29—100.)

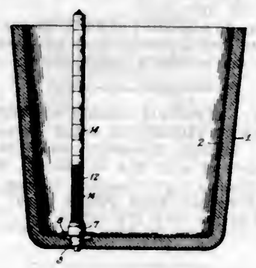
5. In a tool-holder and cutter combination for lathe work, a cutter having the end face and the forward portion of the cross-section shaped to provide a cutting edge, the rear portion of said cross-section being of angular formation, and a tool-holder for supporting said cutter, said tool-holder having a seat that is opposed to rear portion of the cross-section, and said seat being shaped to correspond to that of said rear portion of the cross-section.

1,585,001. SCAFFOLD BRACKET. FRANK E. WALL, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 26, 1923. Serial No. 677,149. 6 Claims. (Cl. 304—33.)



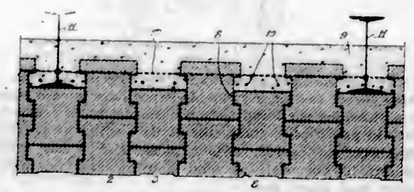
1. A scaffold bracket comprising a scaffold supporting member, braces pivotally connected to said supporting member, pivotally connected links extending between said braces and supporting member, the pivot for said links being adapted to be moved between said braces, and a bar extending between said braces and adapted to be engaged by said supporting member for limiting the movement of said pivot, one of said links being yieldable for holding said supporting member against said bar.

1,585,002. POURING DEVICE. HERMAN PENGELLY WILLIAMS, St. Louis, Mo. Filed Feb. 19, 1924. Serial No. 693,779. 16 Claims. (Cl. 22—85.)



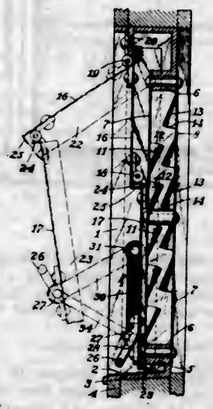
1. A nozzle for pouring ladles, comprising an exteriorly tapered stopper-engaging seat and a discharge passage.

1,585,003. TILE AND TILE ARCH. WILLIAM E. WILSON, Mason City, Iowa, and HENRY G. LYKKEN, Minneapolis, Minn. Filed Apr. 14, 1921. Serial No. 461,409. 6 Claims. (Cl. 72—67.)



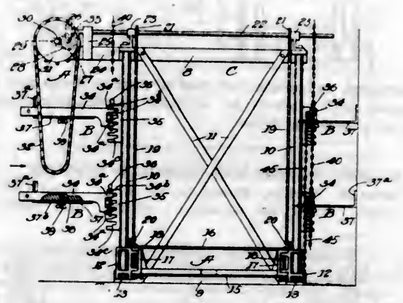
6. A tile arch or floor comprising spaced tiles having oppositely extending flanges and other tiles having laterally directed flanges resting on the first named flanges to support said last named tiles in a lower plane than the first named tiles.

1,585,004. CAR VENTILATOR. WILLIAM E. WINE, Toledo, Ohio. Filed Oct. 9, 1925. Serial No. 61,485. 11 Claims. (Cl. 98—27.)



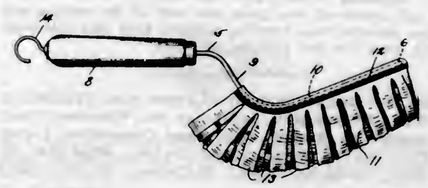
1. A ventilator comprising a frame, plates secured to the frame and having vents therein, an inner peripheral flange, a door formed of two shutter plates hingedly connected to the frame and the two shutter plates having their adjacent edges pivotally secured, the edges of said door fitting about said inner peripheral flange when the door is closed, means for holding the door in its closed position and for supporting the door in its open position, and the two shutter plates of the door extending in angular relation to each other when the door is supported in its open position.

1,585,005. COMBINED SUPPORTING AND ELEVATING MEANS. GEORGE F. ZAUN, San Bernardino, Calif. Filed Dec. 26, 1922. Serial No. 608,924. 15 Claims. (Cl. 214—97.)



1. Improvements of the character disclosed, comprising adjustable load-supporting means capable of being moved into and out of position of service, and elevating means associated therewith for delivering a load to said supporting means; said supporting means comprising a plurality of brackets, and means for maintaining the same in position of relative adjustment to support a load.

1,585,006. CHAMOIS BRUSH. RHODA THOMAS ZELL, Pittsburgh, Pa. Filed Jan. 23, 1926. Serial No. 83,343. 3 Claims. (Cl. 15—228.)

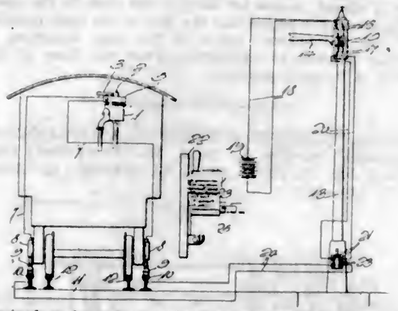


1. In a device of the character described, a handle portion, a body portion including a length of wire bent intermediate its ends to provide a loop, the ends of the wire being brought together and forced into the handle portion, a wiping element including lengths of chamois material folded intermediate their side edges and secured to the loop portion, and said chamois material being slit from its edges to points adjacent to the body portion.

1,585,007. TRAIN CONTROL. WILLIAM B. ALLEN, Michigan City, Ind., assignor of one-half to Cuthbert D. Bates, La Porte, Ind. Filed Oct. 26, 1922. Serial No. 597,186. 3 Claims. (Cl. 246—189.)

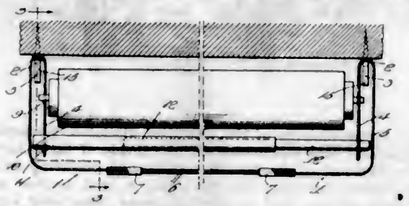
3. In a train stopping system, a control valve including a rotary stem, an armature block carried by the valve

stem, normally dead magnet forming arms extending upon opposite sides of said armature block, a field coil for converting the arms into live magnets when the coil is



energized, and conductors leading from said coil and connected with contacts for engaging co-operating contacts of an energizing circuit.

1,585,008. SHADE AND CURTAIN SUPPORT. GILBERT E. ALPHIN, Mount Olive, N. C. Filed Oct. 19, 1925. Serial No. 63,438. 1 Claim. (Cl. 156—24.)



A window fixture formed of metal stripping and comprising a pair of attaching portions spaced apart horizontally, inner relatively short shade supporting arms projecting laterally from said attaching portions and having openings through which the ends of a curtain rod may project, outer relatively long arms projecting laterally from said attaching portions in horizontally spaced relation with said inner arms, and a drapery supporting bar extending between and supported by the outer ends of said relatively long arms, the ends of the curtain pole being movable into abutting relation with said relatively long arms for the purpose set forth.

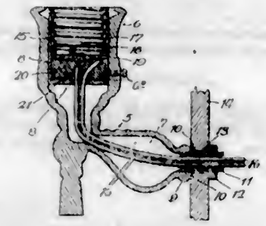
1,585,009. MANIFOLDING PLATEN FOR TYPEWRITERS. HUBERT McL. ARMISTEAD, San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed May 26, 1925. Serial No. 32,903. 16 Claims. (Cl. 197—126.)

1. A manifolding platen comprising a platen; a standard carried by and projecting angularly from each end of the platen; an arm pivotally connected with the outer end of each standard; a manifolding member carried by and extending between the free ends of the arms; and means for swinging the arms to carry the manifolding member to and from the platen.

1,585,010. CASTING SLIP. HARRY TRISTRAM BELLAMY, River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1923. Serial No. 667,102. 4 Claims. (Cl. 106—10.)

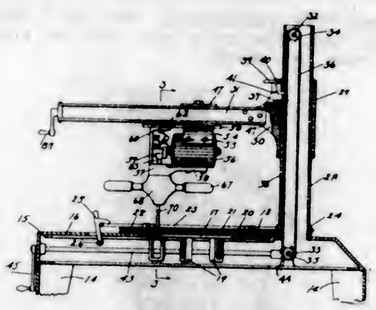
1. A casting slip consisting of finely divided silicon carbide, refractory clay, a deflocculating agent, and sufficient water to give the mixture a specific gravity of 2.25.

1,585,011. ELECTRIC-LIGHTING FIXTURE AND LAMP SOCKET THEREFOR. MAX HERSKOVITZ, Chicago, Ill.; William Herskovitz and Charles Weinfeld, executors of said Max Herskovitz, deceased, assignors to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 2, 1924. Serial No. 690,182. 1 Claim. (Cl. 173—358.)



In an electric lighting fixture, a housing in the form of a lamp socket casing, a yieldable paper case in said housing, a threaded shell and a center contact piece cemented into said paper case, conductor cords leading away from said shell and center contact piece, and a set screw threaded in the wall of said housing and impinging against said paper case.

1,585,012. CLOTH-CUTTING MACHINE. MATTHEW F. BIERSDORF, Los Angeles, Calif. Filed July 27, 1923. Serial No. 654,167. 17 Claims. (Cl. 164—75.)

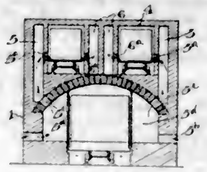


1. A cloth cutting apparatus comprising a knife including a stationary guiding blade and a reciprocating cutting blade, having a stabbing action, and a mounting for said knife by which it can be moved in any predetermined path.

1,585,013. TUNNEL KILN. GEORGE W. BOOTH, New Toronto, Ontario, Canada. Filed Feb. 19, 1925. Serial No. 10,415. 14 Claims. (Cl. 25—142.)

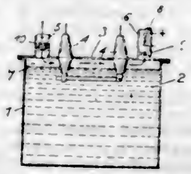
1. The combination of a tunnel kiln; a separate drying chamber arranged at the top of the kiln whereby the chamber will be heated by conduction from the kiln; an

air passage formed longitudinally in a wall of the chamber and adjacent the kiln, the passage having a series of openings communicating with the interior of the cham-



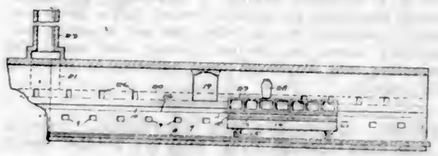
ber; a moist air flue extending longitudinally of the kiln communicating with the interior of the chamber; and means for drawing air through the said passage, chamber and flue.

1,585,014. PROTECTION OF LIQUID-INSUALTED APPARATUS. MAX BUCHHOLZ, Cassel, Germany. Filed Oct. 8, 1925. Serial No. 61,259. 7 Claims. (Cl. 220—85.)



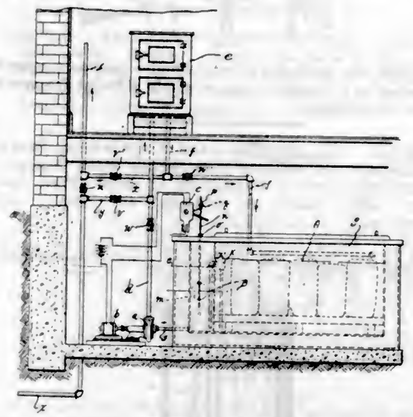
1. The method of preventing accumulation of explosive gases and vapours above the liquid level of liquid insulated electric apparatus comprising causing a permanent circulation of the air above the liquid level in said apparatus.

1,585,015. KILN FOR BURNING EARTHENWARE. WILSON L. BURLEY, Crooksville, Ohio. Filed Jan. 15, 1925. Serial No. 2,671. 1 Claim. (Cl. 25—142.)



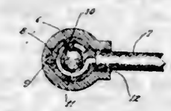
In a kiln for burning earthenware, a long kiln casing having side walls forming a longitudinal tunnel, said tunnel having an intermediate baking zone and pre-heating and cooling zones disposed upon opposite sides of the baking zone, fire boxes arranged upon opposite sides of the tunnel adjacent to the baking zone and discharging directly into the baking zone, said side walls having longitudinal flues formed therein and also in the walls of the fire boxes, said longitudinal flues extending throughout the major portion of the length of the pre-heating zone and the cooling zone, a stack arranged adjacent to the outer end of the pre-heating zone and in communication with the ends of the longitudinal flues, the pre-heating zone having the major portion of its length arranged between the stack and the baking zone, the side walls of the tunnel in the pre-heating zone having transverse flues which lead from the tunnel to the longitudinal flues, the side walls of the tunnel in the cooling zone also having transverse flues leading from the tunnel to the longitudinal flues, said longitudinal flues having their ends adjacent to the cooling zone open to the atmosphere and their ends adjacent to the pre-heating zone closed to the atmosphere, said longitudinal flues being free from direct communication with the fire boxes.

1,585,016. REFRIGERATING APPARATUS. EASTMAN A. BURROWS, Chicago, Ill., assignor to Lloyd G. Copeman and Edwin W. Atwood, both of Flint, Mich. Filed Apr. 4, 1924. Serial No. 704,098. 10 Claims. (Cl. 62—101.)



1. In a refrigerating apparatus, the combination of a refrigerator box, a two-chamber storage tank containing a cooling medium, a conduit leading from one chamber of the storage tank passing through the refrigerator box and returning to the other chamber of the storage tank, means for forcing water through said conduit, means for bleeding water at a slower rate of flow than the capacity of said conduit from one chamber to the other chamber in said storage tank, and means controlled by said bleeding action for governing the operation of the means which forces the water through the conduit.

1,585,017. MAGNET-COIL ASSEMBLY. HARRY E. CAMPBELL, Milwaukee, Wis., assignor to Union Electric Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 9, 1923. Serial No. 618,030. 3 Claims. (Cl. 175—21.)

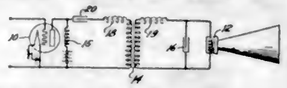


1. A magnet coil, comprising a frame portion having circular flange portions projecting therefrom and communicating with the interior of said frame, a magnet wire within said frame and terminating in said flange portions, heavy outer terminal wires extending into said flange portions and connected to the frame and having the end portions of said magnet wire twisted thereabout, said connections being entirely within said flange portions, and means for keeping said wires in a fixed position within said flange portions.

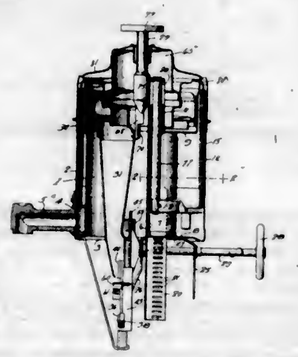
1,585,018. TRANSFORMER CIRCUITS. WILLIAM L. CASPER, Brooklyn, and HORACE WHITTLE, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,397. 11 Claims. (Cl. 178—44.)

1. A transmission system comprising two portions the impedance of one of which has a substantial reactance component, and means connecting said portions compris-

ing a transformer having an impedance ratio equal to the ratio of the impedances of said portions at a frequency to be transmitted, said means comprising reactance forming with the reactance of said reactive portion a circuit resonant at a frequency near a widely different frequency to be transmitted.

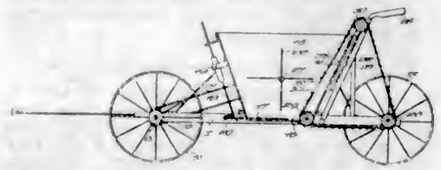


1,585,019. OIL BURNER. LEE S. CHADWICK, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 23, 1922. Serial No. 602,740. 19 Claims. (Cl. 158—94.)



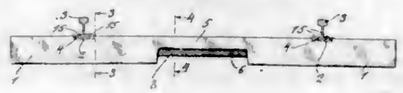
19. In a burner of the character set forth, in combination with the wick, adjusting means for raising and lowering the wick including a rotatable spindle, a head secured to the spindle, a ratchet wheel rotatable on the axis of the spindle, said wheel and said head having one a tongue and the other a recess for the reception of the tongue and which is of greater circumferential extent than the tongue whereby a "lost motion" driving connection is effected between the spindle and the ratchet wheel, a member arranged to be engaged and moved by the wick, a pawl carrying element connected to said member, a pawl on said element adapted to be engaged with a tooth of the ratchet wheel when said element is elevated by the aforesaid member, the connections thus established between the ratchet wheel and said member causing said member to be withdrawn from the wick through the action of the wick adjusting means, means limiting the rotation of the ratchet wheel thereby to arrest movement of the wick adjusting means, and a brake member frictionally engaging the ratchet wheel to retard the latter's movement.

1,585,020. MANURE DISTRIBUTOR. JASPER S. CHILTON, Ararat, N. C. Filed Nov. 3, 1924. Serial No. 747,518. 2 Claims. (Cl. 111—70.)



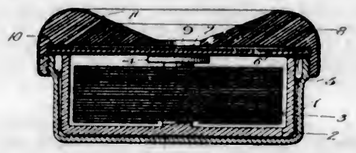
1. In a manure spreader, the combination with a hopper having a rear wall and a bottom opening, of an endless distributing belt that extends upwardly in rear of the rear wall, over the same, downwardly in front of said rear wall and through the bottom opening, thence rearwardly of said rear wall, and means for supporting the hopper, including wheels in rear of the hopper having driving connections with the belt to move the same downwardly in front of the hopper's rear wall and through the bottom opening.

1,585,021. RAILWAY TIE. CHARLES E. DOW, deceased, late of Denver, Colo., by LILLIAN E. DOW, administratrix, Denver, Colo. Filed June 23, 1925. Serial No. 38,998. 2 Claims. (Cl. 238—30.)



1. A railway tie formed of concrete and having a central portion reduced in size in a vertical direction, the reduction being from beneath whereby a space is left between the lower side of the reduced portion and the plane of the bottom of the tie and a plurality of metal reenforcing bars moulded in the tie and extending from points near the opposite ends of the tie through the reduced central portion, the central portion of some of said bars being offset with respect to the end portions, said offset portion extending through the reduced central part.

1,585,022. TELEPHONE RECEIVER. HENRY H. C. DUNWOODY, Washington, D. C. Filed Feb. 17, 1923. Serial No. 619,645. 8 Claims. (Cl. 179—117.)

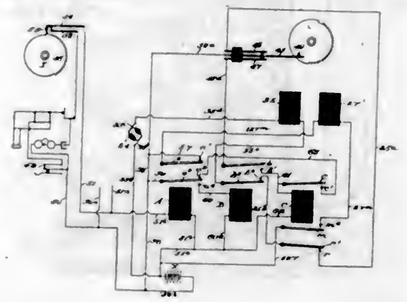


1. In a telephone receiver, a diaphragm, an electromagnet positioned on one side thereof, and a permanent magnet positioned on the other side and extending substantially across one surface thereof, and means for preventing said diaphragm from adhering to either of said magnets.

1,585,023. ANTIGLARE EYE PROTECTOR. PATRICK ROSE FANT, Sherman, Calif. Filed Oct. 2, 1924. Serial No. 741,195. 2 Claims. (Cl. 2—13.)

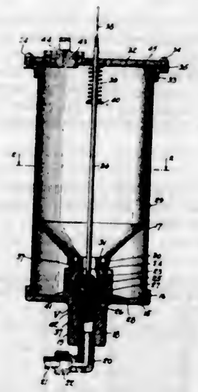
1. An anti-glare protector comprising a flat sheet of material having a nose receiving recess formed therein, a layer of soft material secured upon the under side of said sheet and spring clips carried by said sheet for detachably securing said sheet to the lower edges of a pair of eye glasses.

1,585,024. CONTROLLING MECHANISM FOR PROGRESSIVELY MOVABLE ELECTRIC SWITCHES AND OTHER DEVICES. CHARLES L. GOODRUM, Rochester, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Jan. 19, 1907. Serial No. 353,017. Renewed Aug. 31, 1907. Serial No. 390,856. 68 Claims. (Cl. 179—18.)



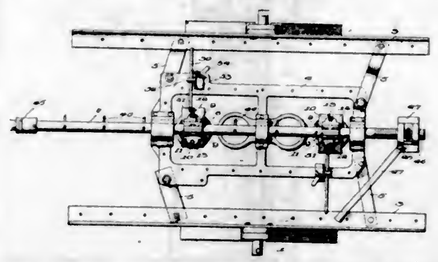
1. In a step-by-step mechanism, the combination with a movable element, a motor magnet and means operated thereby for advancing said element successively, of a circuit for said magnet having normally closed and normally open sets of contacts, and a magnet for controlling the set of closed contacts, an operating circuit leading to the controlling magnet and means for sending impulses of current thereon, a relay controlling the set of normally open contacts, a circuit for said relay, means governed by the controlling magnet for energizing the relay and a source of current supply for said circuits.

1,585,025. ENGINE-FLUSHING DEVICE. BRUNO GORSCHALKI and LEVI L. RIGGIN, Pasadena, Calif. Filed Feb. 6, 1924. Serial No. 691,054. 5 Claims. (Cl. 123—198.)



1. An engine flushing device comprising a liquid reservoir tank, having a discharge port, a liquid measuring tank below the first tank and having a discharge port, a discharge pipe below the second tank, and a valve element movable to one extreme position in which the discharge ports are placed in communication with each other to permit liquid from the reservoir tank to flow into and fill the measuring tank, and another extreme position in which the discharge port of the reservoir is closed and the discharge port of the measuring tank placed in communication with the discharge pipe to allow the liquid in the measuring tank to flow into said pipe.

1,585,026. REBORING APPLIANCE FOR ENGINE BEARINGS. ANSEL T. GREEN, Aberdeen, S. Dak., assignor to Hub City Iron Works, Aberdeen, S. Dak., a Corporation of South Dakota. Filed Feb. 6, 1925. Serial No. 7,369. 6 Claims. (Cl. 77—2.)



1. In a reboring appliance for engine bearings, a rotatable boring bar, bearings for said bar, and mountings for said bearings including expansible means having unyielding grippers engageable with the cylinders of the engine and positively operable and unyielding means for expanding the grippers into binding engagement with the walls of the cylinders to rigidly and securely connect the mountings to the cylinders.

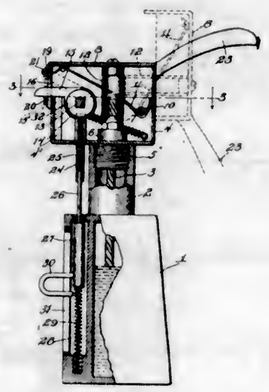
1,585,027. MEANS FOR SECURING RAILWAY RAILS. LUDVIK GŮBA, Bubenc, near Prague, Czechoslovakia. Filed Oct. 18, 1924. Serial No. 744,393. 1 Claim. (Cl. 238—292.)

A device for keeping the gage uniform in railway tracks, comprising a rail formed with a rail head and a rail foot, a tie plate whereon said rail foot can rest, a rail spike for securing the rail foot to the tie plate, a clamping stock adapted to rest on the rail foot and on the head of the rail spike, an adjustable strut adapted to rest on said clamping stock and to bear against the under side of the rail head, an angle-shaped plate having a hole through which the shank of the rail spike can pass, said angle-shaped plate being adapted to lie partly on the tie plate and partly on the rail foot, and under the head of the rail spike and to bear against the part of the clamping stock carried by the rail foot to protect the spike from lateral thrusts of the clamp stock.

1,585,028. CIGAR LIGHTER. SAMUEL E. GUINN, Johnson City, Tenn., assignor to S. E. Guinn Manufacturing Co., Cincinnati, Ohio, a Corporation of New York. Filed June 15, 1923. Serial No. 645,670. 8 Claims. (Cl. 67—41.)

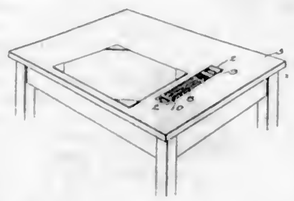
1. In a cigar lighter, a fuel casing, an igniter casing arranged above the fuel casing, a wick extending from the fuel casing into the igniter casing, said igniter casing including a movable section, a pyrophoric ma-

terial tube carried by the igniter casing, means including a metal engaging member for causing a spark from said material, mechanism for setting said member for opera-



tion and releasing it to operate in the opening of the movable section of the casing, and a snuffer tube carried by said movable section to serve as a vapor storage member when the igniter casing is closed.

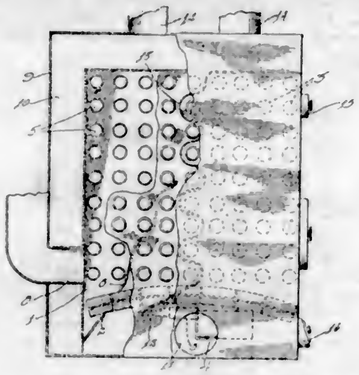
1,585,029. EMBEDDED INKSTAND. WILLIAM T. GUTH, Brooklyn, N. Y. Filed July 11, 1922, Serial No. 574,155. Renewed Mar. 13, 1925. 7 Claims. (Cl. 120—58.)



1. An embedded ink stand and rack formed to be embedded so that at all times no part will be projected above the material in which it is embedded, said ink stand and rack comprising a body having depressions for receiving articles, said depressions being arranged in one part of the body, said body at the opposite end being provided with a large opening, a cover removably fitted into said large opening, said cover having spaced apertures, and a covering plate carried by the frame for each aperture.

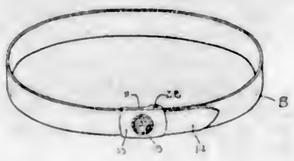
1,585,030. HOT-AIR FURNACE. LOUIS WM. HAMILTON, Kenosha, Wis. Filed Aug. 6, 1923. Serial No. 655,965. 1 Claim. (Cl. 126—116.)

A hot air furnace comprising a combustion chamber, a plurality of tubes extending from side to side of said chamber and having their open ends flush with the outer surfaces of the combustion chamber walls, a casing housing said combustion chamber and being spaced from the walls of said chamber carrying the tubes, partitions disposed between said tube carrying chamber walls and said casing walls disposed parallel therewith, said last named casing walls having air inlet openings, said partitions causing the air flowing through the inlet openings on one side of the casing to pass through substantially one-half of the tubes, and the air flowing through



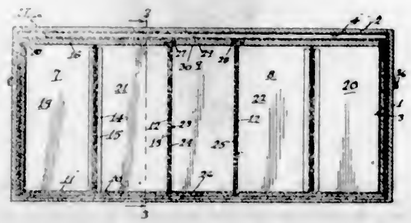
the inlet openings on the other side of the casing to pass through the rest of the tubes, and means for receiving the two currents of air and for conveying the air from the furnace.

1,585,031. BELT BUCKLE. HARRY HARTMAN, Los Angeles, Calif. Filed Mar. 10, 1925. Serial No. 14,480. 2 Claims. (Cl. 40—20.)



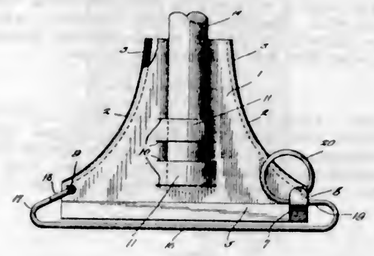
1. A belt buckle having an aperture formed in its face, there being concavities formed in the buckle at the sides of said aperture, and an emblem carrying member having a part adapted to be inserted into said aperture provided with portions adapted to occupy said concavities, whereby the emblem carrying member may be readily attached to or detached from the buckle.

1,585,032. ICE TRUNK. ELIZABETH B. HESS, Naches, Wash. Filed May 29, 1924. Serial No. 716,716. 2 Claims. (Cl. 45—71.)



1. A trunk having a body composed of thermo-insulating material, fruit boxes fitting in the trunk comprising metal frames covered with thermo-insulating material except at their inner sides, the fruit boxes being readily removable with their insulating covering, and a removable ice box fitting in the trunk between the fruit boxes and having thermo-conducting material in contact with the bare metal inner sides of the fruit boxes, said bare metal sides being foraminous.

1,585,033. MOP HEAD. JAMES A. HILTON, Lynchburg, Va. Filed May 27, 1925. Serial No. 33,220. 1 Claim. (Cl. 15—150.)



In a device of the class described, a plate-like body having upwardly converging edges, the body being folded upon itself, at its lower end, to form double-walled flanges defining a trough-shaped seat, the outer wall of one flange being slit transversely, and the material thus freed being formed into a keeper which extends along one side of the body; and a jaw cooperating with the seat, one end of the jaw being pivoted to the body, the other end of the jaw being fashioned into an overhanging latch, the latch being engaged between the keeper and said side of the body, the latch being continued to form a finger-piece extended beyond one of said converging edges of the body.

1,585,034. PLATE FOR SECONDARY BATTERIES. GEORGE A. HOWLAND, Chicago, Ill., assignor to John H. Thornburn, Urbana, Ill., and Eugene I. Burke, Champaign, Ill. Filed Apr. 22, 1925. Serial No. 25,130. 5 Claims. (Cl. 136—20.)

3. A plate for secondary batteries comprising a grid casting of 12% antimonial lead and a paste filling of red lead, litharge, iron dust and copper sulphate substantially as described.

1,585,035. ELECTROLYTE FOR SECONDARY BATTERIES. GEORGE A. HOWLAND, Chicago, Ill., assignor to John H. Thornburn, Urbana, Ill., and Eugene I. Burke, Champaign, Ill. Filed Apr. 22, 1925. Serial No. 25,131. 5 Claims. (Cl. 136—153.)

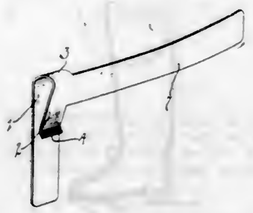
1. An electrolyte comprising 3½ pounds of soapstone, 3 ounces of carbon dust, 2 pounds of gypsum, 2 quarts of sulphuric acid having a specific gravity of 1125, 3 drops of snake oil, ½ ounce of salicylic acid, 1 quart of water, 2½ ounces of sodium chloride, ½ ounce of sodium chlorate, and 1 pint of potassium silicate.

1,585,036. DEVICE FOR SETTING UP CORNER BEADS. EDMUND H. JONES, Milwaukee, Wis., assignor to Milwaukee Corrugating Company, Greenfield, Wis., a Corporation of Wisconsin. Filed Aug. 20, 1924. Serial No. 733,034. 5 Claims. (Cl. 72—128.)

2. In a device of the character described, the combination with a member having a straight edge, of strips fixed to opposite sides of said member and having their outer free ends extending beyond said edge and spaced to normally prevent free passage of the head portion of a corner bead between the same, said ends being resilient to permit said ends to be spread outwardly and away from each other by said head portion upon force-

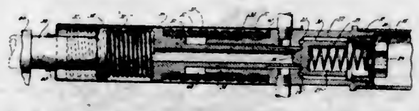
ful application of said bead to said member and to cause said ends to snap over said head portion into interlocking relation therewith.

1,585,037. BOOKMARK AND LEAF CLAMP. MICHAEL JAMES KASIAN, Chicago, Ill. Filed July 25, 1925. Serial No. 46,151. 3 Claims. (Cl. 281—42.)



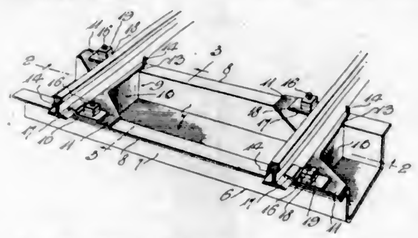
1. A book mark and leaf clamp of the character described comprising a body member arranged for frictional engagement with certain of the leaves of a book or the like, and a single laterally extending leaf engaging portion formed integral with the body member and curved slightly intermediate its length toward the rear of the body member.

1,585,038. PRESSURE-CONTROL VALVE. BERT A. LINDERMAN, New York, N. Y., assignor to Linderman & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 24, 1924. Serial No. 751,879. 21 Claims. (Cl. 303—54.)



1. A pressure control valve, comprising means providing a valve chamber communicably connected with a source of fluid under pressure and the mechanism to be operated thereby, a valve member movable in said chamber, a valve seat with which said member cooperates to close the valve, and a member movable with respect to said means and yieldingly connected thereto for actuating said valve member to open the valve, said actuating member being operable by predetermined pressure admitted to said mechanism to automatically close the valve.

1,585,039. RAIL-MOUNTING MEANS. JOHN P. LUNDGREN and CHARLES G. LUNDGREN, St. Paul, Minn. Filed Jan. 14, 1926. Serial No. 81,266. 3 Claims. (Cl. 238—272.)

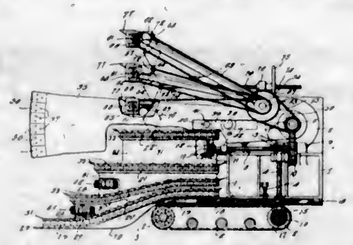


1. A rail mounting means comprising a channeled tie having its side flanges disposed vertically and bent laterally at their upper edge portions, a rail supporting plate having its ends secured upon said laterally bent edge portions of said side flanges, said plate having downwardly bent parallel flanges transverse to the tie and provided with horizontal edges resting upon the bottom of the tie channel to assist in supporting the rail and its load, said downwardly bent flanges also having vertical edges abutting the inner faces of said side flanges to brace the latter, and means for securing the rail to said plate.

1,585,040. RUBBER BOOT. WILLIAM E. MCDONALD, Rochester, N. Y. Filed July 27, 1922. Serial No. 577,922. 1 Claim. Cl. 56—4.)

In a boot made up of flexible material, the combination of an upper made up in one piece and having walls with a continuous air space around the lower portion of the boot, a solid sole integral with said upper to close the air spaces formed in the lower portion of the upper, and a separate sole permanently attached to said integral sole.

1,585,041. MINING MACHINE. RODERICK MACEACHEN, Washington, D. C. Filed Dec. 14, 1923. Serial No. 680,760. 20 Claims. (Cl. 262—5.)



1. In a mining machine, the combination of a series of endless chains arranged in stepped relation, the bottom chain projecting farthest forward, said bottom chain carrying horizontally projecting saw blades, and each of the chains carrying horizontally projecting cutting bits attached to the upper portions of the respective chains.

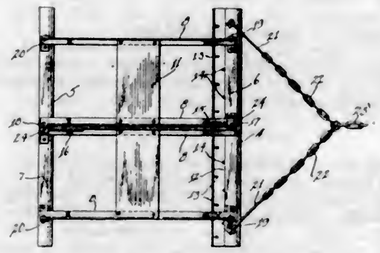
1,585,042. ART OF PURIFYING AND DEODORIZING ISOPROPYL ALCOHOL. MATTHEW D. MANN, Jr., Rosselle, and ROBERT B. LEBO, Elizabeth, N. J., assignors to Seth B. Hunt, trustee. Mount Kisco, N. Y. Filed Oct. 27, 1921. Serial No. 510,820. 6 Claims. (Cl. 260—156.)

1. The method of purifying and deodorizing higher alcohols which comprises contacting the alcohol with a reactive metallic chloride of the hereinbefore described group comprising zinc and mercuric chloride.

1,585,043. THREAD AND METHOD FOR MANUFACTURING IMPREGNATED FABRIC. ERLING MEIER, Christiania, Norway, assignor to Lorentz Segelcke Daae, Roadhugaten, Christiania, Norway. Filed Aug. 16, 1923. Serial No. 657,769. 2 Claims. (Cl. 28—1.)

2. The process of manufacturing woven fabrics, which comprises spinning textile threads about a core of impregnating material capable of being vulcanized, weaving the threads thus formed to constitute a fabric, heating the woven fabric sufficiently to melt and vulcanize said cores and thereby cause the latter to completely enclose the threads.

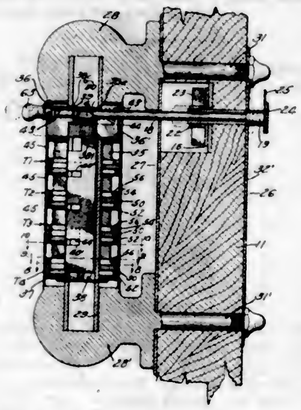
1,585,044. COMBINED ROAD DRAG AND SCARIFIER. WILLIAM J. PATTON, St. Louis, Mo. Filed Nov. 24, 1925. Serial No. 71,188. 5 Claims. (Cl. 37—145.)



1. A combined road drag and scarifier comprising a frame, a pair of adjustable scraper blades carried by said frame, a tooth-bearing member secured to one of said blades, and means for simultaneously moving said last named blade to bring said teeth into operative relation with the ground, and for bringing said tooth-bearing blade out of operative relation wtih the ground.

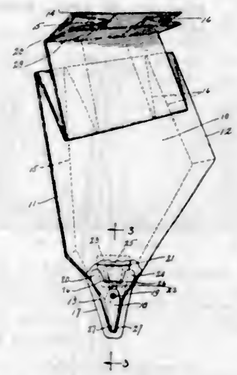
1,585,045. PERMUTATION LOCK. ELSWORTH E. QUAINTANCE, Los Angeles, Calif. Filed Dec. 26, 1924. Serial No. 757,989. 19 Claims. (Cl. 70—53.)

1. A permutation lock comprising: a relatively fixed spindle; a bolt movable transversely thereof; a pallet connected with said bolt and movable through a longitudinal slot in said spindle; spacing elements comprising fixed stops on said spindle; and separate tumblers surrounding said spindle, each comprising a cup which is



provided with a peripheral wall of substantially uniform thickness, fluted to receive internal members correspondingly fluted.

1,585,046. CONTAINER. FELIX J. RUSH, New York. N. Y. Filed Nov. 30, 1925. Serial No. 72,116. 10 Claims. (Cl. 226—38.)

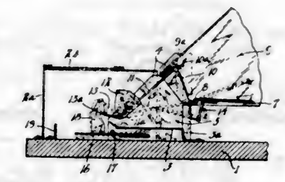


1. The herein described container comprising means within said container arranged to be actuated from without the container for piercing the wall thereof to permit the contents of the container to flow out therefrom.

8. A paper container having a body of relatively considerable length in proportion to the breadth thereof, said body being of a maximum breadth intermediate of its ends, and decreasing in width toward the open end of the container and rather sharply toward the closed end thereof, said container having a nozzle at the closed end thereof to facilitate the discharge of a fluid therefrom.

1,585,047. MOUSETRAP. JOSEPH W. SHUMATE, Minneapolis, Minn. Filed Apr. 7, 1924. Serial No. 704,634. 14 Claims. (Cl. 43—76.)

1. An animal trap having in combination, a casing having therein an unobstructed chamber with a normally open entrance opening at one end and a normally closed exit opening above said entrance opening, a door adapted to drop by gravity normally latched in elevated position to close said exit opening but adapted to close

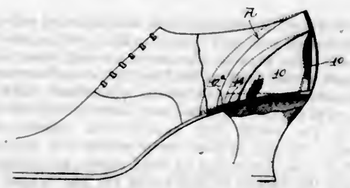


said entrance opening and open said exit opening upon being released, and trip means operated by the animal for releasing said door and permitting the same to drop.

1,585,048. HEEL LINING FOR SHOES. JOSEPH A. SKOGLUND, St. Paul, Minn. Filed May 12, 1924. Serial No. 712,601. 5 Claims. (Cl. 36—58.)

1. A heel lining for shoes including non-elastic side members and a gusset joining said members at the back, said gusset consisting of a lower section of non-elastic material and an upper section of elastic material.

1,585,049. HEEL LINING. JOSEPH A. SKOGLUND, St. Paul, Minn. Filed June 28, 1924. Serial No. 722,947. 5 Claims. (Cl. 36—55.)

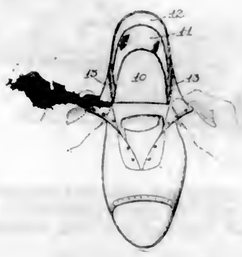


2. In an article of the present nature, an elastic heel lining member and a non-elastic anchoring member bounding the upper and forward edges of said lining member, said anchoring member overreaching the lining member at its ends to provide sole engaging tabs.

1,585,050. HEEL-POCKET LINING. JOSEPH A. SKOGLUND, St. Paul, Minn. Filed June 28, 1924. Serial No. 722,948. 4 Claims. (Cl. 36—55.)

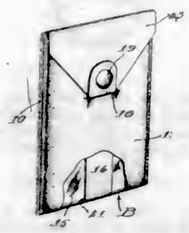
2. A heel pocket lining for shoes including a non-elastic bottom piece for attachment to the bottom of a shoe, an elastic side strip rising from the side and back

edges of said bottom piece, the ends of said side strip falling short of the forward end of the bottom piece, and a border of non-elastic material capable of being trimmed without fraying and adapted to be attached



to the shoe, said border bounding the upper and forward edges of said elastic strip and secured to the opposite edges forward of said elastic strip of said bottom piece.

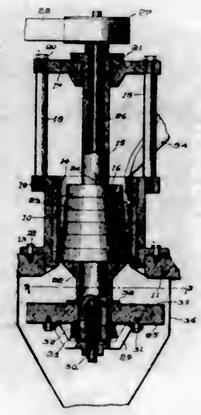
1,585,051. CARD CASE. JOSEPH A. SKOGLUND, St. Paul, Minn. Filed June 26, 1925. Serial No. 39,677. 2 Claims. (Cl. 150—39.)



1. In an article of the class described, a casing open at the top thereof and formed with a transverse slit in its front side, a cover-flap for the casing comprising an extension of the back of said casing, a card carrier within the casing serving to partially unsheath cards therefrom, said carrier including a relatively stiff insert slidable in the casing and a pull-strap passing through said slit, the end of said strap within the casing being joined to the lower end of said insert and providing a seat for the bottom of cards and the like carried within said casing, a fastener member on the cover-flap and a companion fastener member at the outer end of the strap, said strap being adapted, through the medium of said fastener members, to secure said cover-flap closed over the sheathed insert.

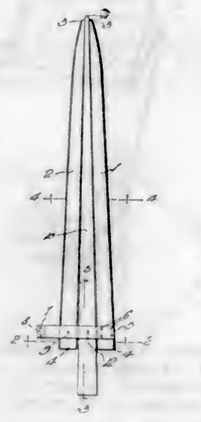
1,585,052. CRUSHER. ALBERT H. STEBBINS, Los Angeles, Calif. Filed June 15, 1922. Serial No. 568,384. 2 Claims. (Cl. 83—10.)

1. A gyratory crusher comprising in combination, a casing provided with an inner crushing wall, a hollow upright shaft suspended from an upper bearing to rotate in the casing with gyratory movement and having a crushing surface surrounding the shaft and positioned to cooperate with said inner wall, unbalanced weighted means mounted upon the shaft to impart gyratory move-



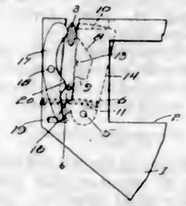
ment to the shaft and crushing surface upon rotation of said means, and a second shaft mounted within the hollow shaft for rotating said means.

1,585,053. PELT STRETCHER. CLARENCE A. STRONG, O'Neill, Nebr., assignor of one-half to Charles M. Daly, O'Neill, Nebr. Filed Apr. 30, 1925. Serial No. 26,978. 1 Claim. (Cl. 149—21.)



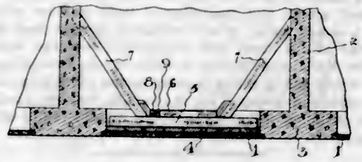
A pelt stretcher comprising two relatively movable wooden slats disposed in a common plane and spaced apart laterally, each slat having a butt end and a tapered end, a pair of straight strips transverse to said slats at the butt ends of the latter, said strips being secured to opposite sides of one of said slats and extending across the sides of and beyond the other slat, a spacer to which the outer ends of said strips are secured to form therewith a guide in which said other slat is freely movable toward and from said one slat, means for securing the movable slat with respect to said guide after it has been laterally forced from the relatively stationary slat to stretch one end portion of a pelt, and a wedge slat adapted to be inserted through said guide between the relatively stationary and movable slats after the latter has been secured, said wedge slat being adapted to spread the tapered ends only of said relatively stationary and movable slats and being of a length to project beyond said tapered ends for engagement with the nose of the pelt.

1,585,054. CLUTCH-PEDAL LOCK. REINHOLD TAEGER, Topeka, Kans. Filed Mar. 3, 1925. Serial No. 12,901. 2 Claims. (Cl. 74—81.)



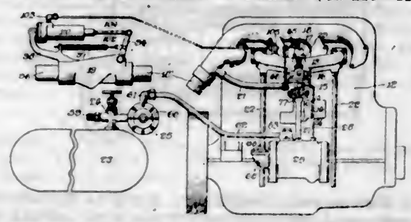
1. In combination, a plate having a slot therein, a speed controlled lever movable through said slot, a retainer pivoted at one of its ends to the plate to one side of the slot, the edge of said retainer adjacent the slot being provided with a notch having its edge farthest from the pivot in the form of a cam, a spring associated with said retainer normally holding it over the slot so that the notch engages the lever, a latch pivoted intermediate its ends to the plate to the other side of the slot and having portions projectable over the slot to be engaged by the lever, a projection extending from the end of the latch adjacent the pivoted end of the retainer and adapted to engage an edge of said retainer to hold it in an inactive position.

1,585,055. CONCRETE CRIB. JESSE H. TROMANHAUSER, Toronto, Ontario, Canada. Filed Nov. 7, 1925. Serial No. 67,584. 9 Claims. (Cl. 61—81.)



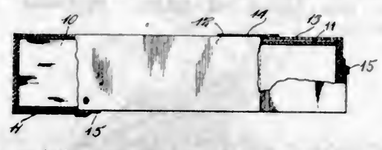
1. A process of forming hollow concrete cribs which consists in forming a thin concrete slab and, after the slat has set, casting the crib walls thereon with only a portion of the footings adjacent their edges overlying the margins of the slab.

1,585,056. INTERNAL-COMBUSTION-ENGINE THROTTLING AND FUEL-HEATING APPARATUS. HOMER A. TRUSSELL, Chicago, Ill. Filed Feb. 10, 1922. Serial No. 535,495. 6 Claims. (Cl. 123—122.)



1. A device of the class described comprising an internal combustion engine having an intake and exhaust manifold, a compartment adjacent said intake manifold, means for supplying compressed air and fuel into said compartment and there burning the same to heat said intake manifold, said means including a spring controlled valve adapted to admit fuel and air into said compartment when opened and a lighter disposed in said compartment.

1,585,057. PACKAGE WRAPPER. WILLIAM S. TUTTLE, Rutland, Vt. Filed Sept. 11, 1925. Serial No. 55,716. 1 Claim. (Cl. 220—87.)

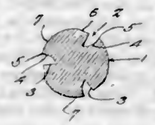


An enclosing protector for flat packages of paper comprising wrapper sections composed of sheets of paper, one of which is folded to embrace one end of the package of paper, the sides and edges thereof, the other constituting a closure, the folds being secured by suitable means, the second-mentioned sheet being positioned to overlie a portion of the first-mentioned sheet of paper, and folded to embrace the opposite end of the package and the sides and edges thereof, the said closure constituting a device removable from the end of the package for exposing the contents thereof, and means for securing the overlying wrapper sections together.

1,585,058. POWDERED SULPHUR AND METHOD OF MAKING THE SAME. WILLIAM HUNTER VOLCK, Watsonville, Calif., assignor to California Spray-Chemical Company, Watsonville, Calif., a Corporation of California. Filed Aug. 13, 1923. Serial No. 657,191. 11 Claims. (Cl. 167—6.)

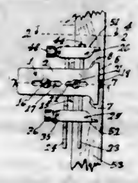
1. Powdered sulphur, the individual particles of which are coated with oil which minimizes the cohesion of the particles.

1,585,059. KNIFE SHARPENER. SAMUEL WILLIAM WANATIK, Detroit, Mich. Filed Nov. 5, 1925. Serial No. 67,058. 2 Claims. (Cl. 76—84.)



1. A sharpener of the class described, comprising a body having a longitudinal groove formed by plane and concaved walls, the concaved wall defining a longitudinal sharpening edge at the periphery of the body, the body having a flat longitudinal surface terminated at the outer edge of the plane wall and disposed opposite to the sharpening edge.

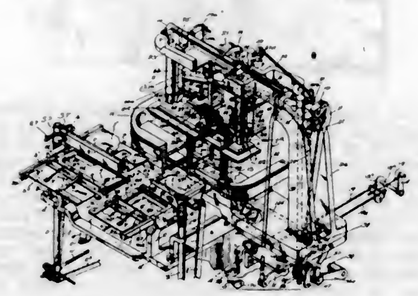
1,585,060. BUTT GAUGE. NEWTON C. WELLS, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,147. 4 Claims. (Cl. 33—197.)



1. In a butt gauge, a main frame comprising a flat top portion and parallel side portions extending downwardly at right angles from the edges of the top portion, the

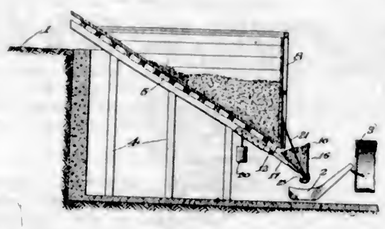
forward end of the top portion being laterally expanded, and a marking member extending downwardly from said forward end at right angles to the sides and longer than the width of the main portion of the top.

1,585,061. CUFF-MAKING MACHINE. OMAR A. WHEELER, Portland, Oreg., assignor to Wheeler Automatic Machine Company, Portland, Oreg. Filed May 10, 1923. Serial No. 638,151. 14 Claims. (Cl. 112—2.)



1. In a machine of the character described, a carriage, trays, supported by the carriage, for holding blanks, such trays lying in spaced apart horizontal planes, one tray being in advance of the other, means for forming a fold on the forward edge of the blank carried by one of said trays, means for advancing one tray relatively to the other, thereby to aline the trays vertically, a work-holder comprising upper and lower vertically movable parts, means for moving such parts towards and from each other, means for moving the carriage forward thereby to insert the trays between the upper and lower parts of the work-holder while spaced apart from each other, means on the work-holder parts for gripping the blanks respectively, means for retracting the carriage and therewith the trays, means for producing fullness in one of said blanks while in the work-holder, the latter means being inserted into the work-holder in time with the withdrawal of said carriage, means for moving said work-holder parts together thereby holding the blanks in the work-holder while sewing their edges together, means for withdrawing said fullness-producing means after the blanks have been clamped by the work-holder.

1,585,062. DISCHARGE HOPPER. ALFRED N. WHITE, Los Angeles, Calif., assignor of one-half to Robert F. Chapman, Los Angeles, Calif. Filed Dec. 9, 1922. Serial No. 605,825. 4 Claims. (Cl. 249—14.)

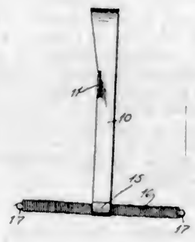


3. The combination of a bin having a discharge opening, a measuring hopper having a base and a discharge side, a door for said discharge side of the hopper, means for swinging the empty hopper upwardly beneath said bin to receive material from the discharge opening of the bin and for swinging the door for the discharge side of the hopper in position to close by gravity, a latch for said door, said hopper being adapted to swing downwardly upon receipt of a predetermined weight of the material from said bin, and means for releasing said latch so as to permit opening of the door and dumping of the material.

1,585,063. PAINT. WILLIAM WHYTE, Edinburgh, Scotland. Filed Aug. 27, 1924. Serial No. 734,524. 4 Claims. (Cl. 134—55.)

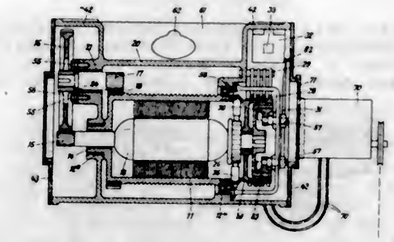
1. An improved separating paint consisting of Paris white, stucco, lithopone, gums, cream of tartar and water incorporated with zinc oxide, Dutch stand oil, paraffin oil, boiled linseed oil and a drying agent.

1,585,064. SHADE-ROLLER BRACKET. JOHN R. WILLIAMS, ALBERT D. STANLEY, and JOSEPH S. ROGERS, Greenville, Ala. Filed Feb. 27, 1925. Serial No. 11,986. 2 Claims. (Cl. 156—24.)



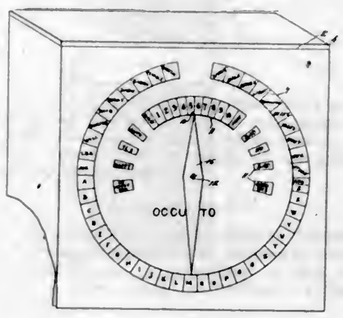
1. A shade roller bracket formed from a single piece of sheet metal and including a body portion provided with a shade roller pintle engaging portion and having a flange at its upper end engageable over the top of a window lintel and having a transversely extending tube at its lower end, a coiled tension spring extending through said tube and gripped at the middle thereby, and side frame gripping members carried by the ends of said spring.

1,585,065. ELECTRIC WINCH. PAUL WILSING, Duisburg, Germany. Filed Oct. 8, 1925. Serial No. 61,241. 9 Claims. (Cl. 254—186.)



1. Electric winch comprising a casing, an electromotor in said casing, the rotary field of said motor forming the cable drum, a rotary armature in said drum, power transmitting means on said drum, and an antifriction bearing for said drum in an opening of said casing having a larger diameter than said power transmitting means.

1,585,066. PSYCHOMAGNETIC DEVICE. FREDERICK J. WILSON, Los Angeles, Calif. Filed Dec. 7, 1925. Serial No. 73,750. 4 Claims. (Cl. 273—161.)



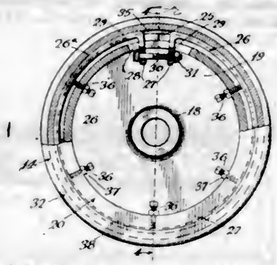
1. In psychic apparatus device, a dark cell having a front wall provided in its inside and its outside with duplicate arcs of symbolic indicia, and duplicate inside and outside pointing fingers which are rigidly connected and operative to register with identic indicia of the inside and outside arcs.

1,585,067. SOFA BEDSTEAD. ISAAC J. WISOFF, Brooklyn, N. Y. Filed June 20, 1921. Serial No. 478,914. 1 Claim. (Cl. 5—46.)

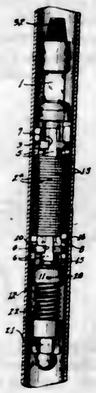
A sofa-bedstead comprising a framework, parts for carrying a seat having hinged connection with the front of the framework, parts for carrying a back having hinged connection with the parts for carrying a seat, the parts for carrying the back and the parts for carrying the seat being movable into line with each other, springs connected to the parts for carrying the seat and the parts for carrying the back, and cross-pieces attached to the front of the framework and the parts for carrying the seat adjacent the front of the said framework, said cross-pieces having opposed recesses to register and receive said springs, when the parts are extended, as set forth.

1,585,068. TIRE. THOMAS H. WRIGHT, Los Angeles, Calif. Filed July 1, 1925. Serial No. 40,856. 5 Claims. (Cl. 295—10.)

1. In a car wheel, a removable tire having an internal annular recess formed therein adapted to register with an annular recess formed in the felly of the wheel, a split ring formed of spring metal adapted to fit within the recess formed in said felly, and a plurality of set screws carried by the felly adapted to expand said split ring into the internal annular recess formed in said removable tire, said split ring being adapted to hold said tire from lateral movement on the felly by a portion of said split ring remaining in the internal annular recess in the felly when said set screws are tightened.

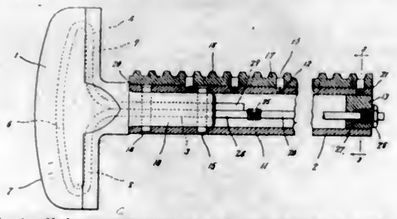


1,585,069. CASING SPEAR. WILLIAM E. YOULE, Los Angeles, Calif. Filed Dec. 18, 1924. Serial No. 756,675. 10 Claims. (Cl. 294—96.)



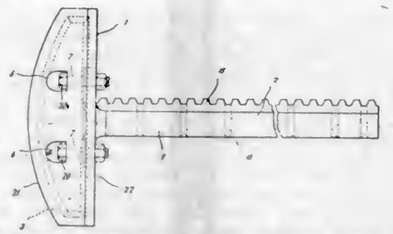
3. In a casing spear, the combination of a body having slipways converging in an upward direction, slips mounted to slide up or down on the slipways, each of said slips having a retaining tongue at its upper end and a retaining tongue at its lower end, said body having retaining means constructed to receive the tongues at one end of the slips by movement of the tongues longitudinally, and operating to hold the slips so as to permit a limited lateral movement of the other end of the slip in setting the same by a lateral movement onto its slipway, the tongue at the said other end of each slip having a reduced neck, said body having retaining means which may align with said reduced necks to permit each slip to be introduced by a lateral movement into the last named retaining means, said last named retaining means operating to prevent outward lateral movement of the slips after the same are in place, a bowl in the form of a collar mounted to slide on the body below the slips and capable of engaging the slips, a trigger carried by the body for engaging the collar to hold the same away from the slips while the spear is passing down the casing, a spring on the body to force the collar toward the slips, said body and said slips cooperating upon an up jar to effect a gripping of the casing by the slips and simultaneously engage the collar with the slips to release the collar from the trigger and thereby permit the spring to hold the collar against the slips while they are gripping the casing, said slips and said body cooperating thereafter upon the down jar of the body to release the slips from the casing and thereby permit the spring and collar to force the same upwardly and away from the casing.

1,585,070. CLINKER-EXTRACTING SHOVEL. ELBERT H. ARCHER, Covington, Va., assignor to Covington Machine Company, Inc., Covington, Va., a Corporation of Virginia. Filed Sept. 3, 1925. Serial No. 54,213. 11 Claims. (Cl. 214—23.)



1. A clinker extracting shovel comprising, a head provided with a continuous tube-like passage in the form of a loop for water to enter one end of said passage, to circulate through the head, and to exit at the other end of said passage.

1,585,071. CLINKER-EXTRACTING SHOVEL AND METHOD OF MAKING SAME. ELBERT H. ARCHER, Covington, Va., assignor to Covington Machine Company, Inc., Covington, Va., a Corporation of Virginia. Filed Sept. 3, 1925. Serial No. 54,214. 12 Claims. (Cl. 214—23.)



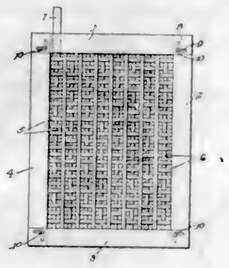
1. A clinker extracting shovel comprising, a head provided with a flared recess, a ram bar having a tapered portion fitting the flared part of said recess, and means firmly securing said tapered portion in said recess.

10. The method of making a clinker extracting shovel comprising, slitting the shovel attaching end of a ram bar to form a pair of legs, and bending said legs outwardly in opposite directions to provide a flange of considerable length extending transversely of the ram bar.

1,585,072. AUTOMATIC CRUDE-OIL SAMPLER. GEORGE L. BANKS, Los Angeles, Calif. Filed Nov. 16, 1923. Serial No. 675,138. 5 Claims. (Cl. 137—18.)

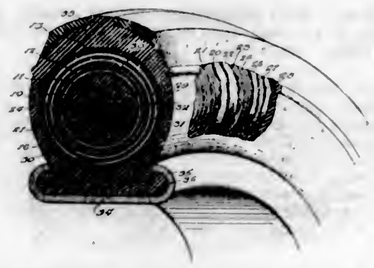
1. In an oil "thief," a tubular receptacle, a ball secured to the top of the receptacle, and a top closure hinged to the receptacle, said ball and top closure being so arranged that the opening movement of the top closure will be limited by the ball.

1,585,073. STORAGE BATTERY AND EXPANSIBLE ACTIVE-MATERIAL SUPPORT THEREFOR. RAYMOND C. BENNER, Bayside, and HARRY H. THOMPSON, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,954. 6 Claims. (Cl. 136—16.)



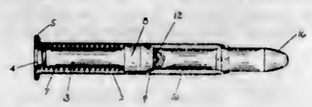
1. An active material support comprising non-conductive frame members supporting the active material and connected to permit movement outward by the expansion of the active material.

1,585,074. RESILIENT TIRE. WILBER S. BISEL and GEORGE BAUDRY, Atchison, Kans. Filed June 4, 1925. Serial No. 34,900. 2 Claims. (Cl. 152—8.)



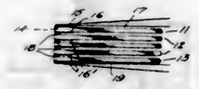
1. A resilient tire including a tubular cushioning element composed of layers of fabric wrappings and intervening pairs of contacting rubber wrappings embedding spirally wound springs therebetween, a yieldable core filling said element, and a carcass enclosing said element.

1,585,075. TOY CARTRIDGE. JAMES W. BOYCE, Hartford, Conn. Filed Feb. 10, 1925. Serial No. 8,219. 3 Claims. (Cl. 102—26.)



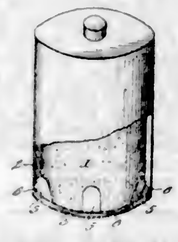
1. The combination of a shell, a projectile in the shell, an impeller back of the projectile and a compressible spring back of the impeller, the impeller having at its rear a stud and the base of the shell having a cylindrical portion to releasably engage the stud and so constructed as to embed the stud to prevent accidental discharge.

1,585,076. BOOKBINDING. CARL F. BRENNE, Seattle, Wash. Filed Oct. 20, 1924. Serial No. 744,650. 4 Claims. (Cl. 281—23.)



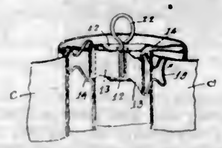
1. The method of combining individual leaves into a book, consisting in first sewing gummed cloth strips with leaves to form sections, and then bonding together such sections into volume form by means of the gummed strips, substantially as described.

1,585,077. SPACER FOR DEPOLARIZING BOBBINS. ARTHUR J. BRIGGS, Syracuse, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,515. 6 Claims. (Cl. 136—123.)



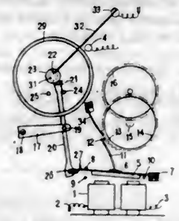
1. A galvanic cell comprising a container, a depolarizing bobbin therein, a spacer comprising a member with marginal portions lying substantially on the circumference of a circle having a diameter approaching the inner diameter of the container, whereby substantial lateral movement of the spacer in the container is prevented, said member having further marginal portions defining a central area approximating that of the base of the bobbin and adapted to retain the same in such central area.

1,585,078. SUSPENSION DEVICE FOR CURTAINS. OLGA E. BULEY, London, England. Filed Mar. 20, 1922, Serial No. 545,185. Renewed Mar. 23, 1926. 3 Claims. (Cl. 156—21.)



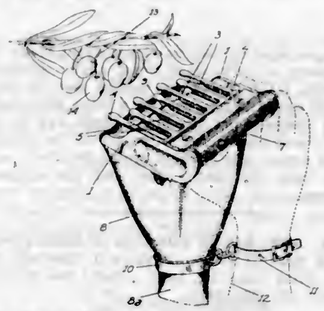
3. A suspension device for curtains, of the type described, comprising in combination a base member having hook portions at each end facing towards each other, two toggle mechanisms each adapted to have the outer extremity of one member in pivotal connection with the base at about the centre thereof and the outer extremity of the other member adapted in one position to be brought into forced locking engagement with its cooperating hook and in another position to be free of such hook and a projecting arm on one of the members of each toggle located at the point of connection between the two parts of each toggle, for the purposes set forth.

1,585,079. ELECTRICAL CLOCKWORK. EUGÈNE BUTTICAZ, Corcelles, Switzerland. Filed Sept. 2, 1925. Serial No. 54,045. 10 Claims. (Cl. 58—25.)



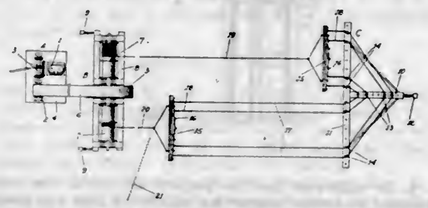
1. In an electric clock, the combination, with a regulator comprising a balance wheel and a pallet; of an electro-magnet provided with an armature; a spring disposed to maintain the armature uplifted; means controlled by the armature through the pallet and the tension of the spring for keeping the balance wheel going; and means dependent on the regulator for maintaining the period of the oscillations of the armature.

1,585,080. OLIVE PICKER. ARCHIE E. CALDWELL, Columbia, Calif. Filed Dec. 8, 1924. Serial No. 754,545. 7 Claims. (Cl. 56—330.)



1. An olive picker including a plurality of horizontally disposed fingers transversely spaced to enable the olive stems but not the olives to pass therebetween, handle means mounted in connection with the fingers, a receiving spout arranged in connection with the fingers, the forward edge of the spout being flexible and substantially in alinement with the forward ends of certain ones of the fingers and being adjacent the same but separated therefrom a distance less than the diameter of the objects to be picked, whereby the latter on passing under the fingers will tend to depress the forward edge of the spout.

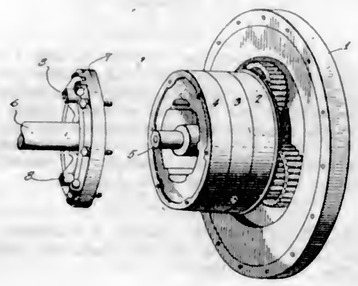
1,585,081. LAND-WORKING APPARATUS. ARCHIE E. CALDWELL, Columbia, Calif. Filed Sept. 28, 1925. Serial No. 59,244. 4 Claims. (Cl. 104—169.)



1. A land working apparatus including a fixed horizontal structure spaced implement supporting frames, spaced sheaves mounted on said structure, flexible ele-

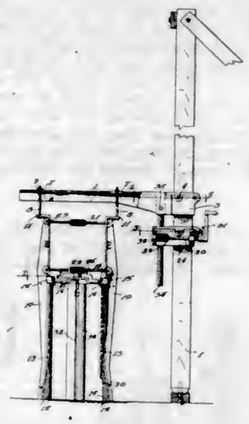
ments connected at their ends to the frames and passing intermediate their ends about the sheaves; the length of said elements being sufficient to allow of a predetermined amount of reciprocative movement of the frames to and from the structure, and drive means for imparting such movement to the frames.

1,585,082. TRANSMISSION BRAKE. MORRIS CHAMBERLAIN, Chester, N. J. Filed Aug. 29, 1925. Serial No. 53,288. 3 Claims. (Cl. 188—218.)



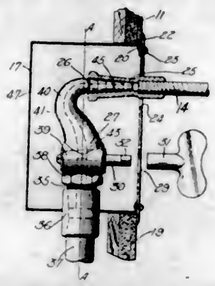
1. Transmission mechanism embodying a brake drum a reverse drum, a slow speed drum and a supplemental brake drum, all of which are coaxial and the latter of which also serves the purpose of a drive plate and is of the same diameter as the brake drum and is secured thereto, a band cooperating with each of the reverse and low speed drums, and a single band collectively cooperating with both the brake drum and the supplemental brake drum.

1,585,083. APPARATUS FOR USE IN ERECTING CONCRETE STRUCTURES. PATRICK J. CREEDON, Omaha, Nebr. Filed June 16, 1925. Serial No. 37,510. 11 Claims. (Cl. 25—131.)



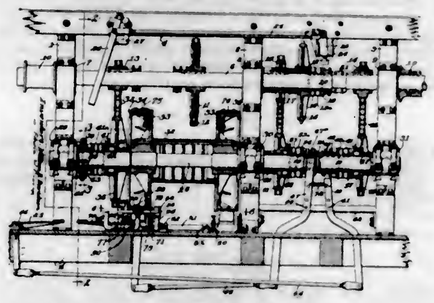
1. In apparatus for the purpose set forth, the combination of a main supporting member, a jack arm fitted directly upon said member, means on the supporting member for shifting said arm vertically along the member, and mold members carried by the jack arm.

1,585,084. GAS-VALVE RECEPTACLE. PERCY C. CUNNINGHAM, Los Angeles, Calif. Filed Feb. 28, 1923. Serial No. 621,857. 2 Claims. (Cl. 137—13.)



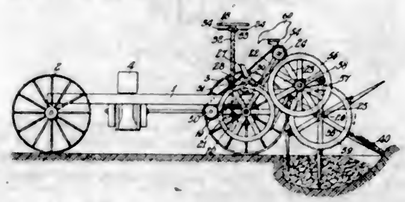
1. In combination with a wall having an opening therein, a receptacle adapted to be set into the opening in the wall, a cover plate for said receptacle in fixed relation to said wall and said receptacle and covering the opening in the wall, a gas supply pipe extending into said receptacle, a valve member on said supply pipe and in said receptacle having a forwardly extending attachment portion, said attachment portion being supported by a gooseneck formation extending rearwardly from the longitudinal axis of said valve so as to permit the rotation of said valve and attachment structure in a minimum space wholly behind said plate, said cover plate having an opening therein through which a tubular member may be connected to said attachment portion of the valve member and having an opening therein through which said valve may be operated.

1,585,085. ROTARY DRAW WORKS. WILLIAM D. DAVIDSON and EDWIN W. GOESER, Los Angeles, Calif., assignors to Union Tool Company, Torrance, Calif., a Corporation of California. Filed May 1, 1922. Serial No. 557,671. 4 Claims. (Cl. 254—187.)



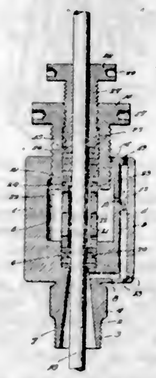
1. In a three-speed rotary draw works, the combination of a frame having two end posts and an intermediate post, a drum, a drum-shaft carrying the same and supported on the posts, a line shaft supported on the posts, a high speed driving connection from the line shaft to the drum-shaft including a sprocket chain and sprocket wheels mounted on the two shafts, an intermediate-speed driving connection between the line-shaft and the drum-shaft including a sprocket-chain and sprocket-wheels on the shafts, said driving connections being located one adjacent to the intermediate post and the other adjacent to one of the end-posts, a low-speed driving connection for connecting the line-shaft and the drum-shaft located between the intermediate post and the other end post, an intermediate clutch on the drum shaft corresponding to the intermediate driving connection, a high-speed clutch on the drum-shaft corresponding to the high-speed driving connection, a spring connecting the high speed and intermediate clutches operation to hold both clutches normally open, and enabling the closing of either clutch to open the other, and a low speed clutch for the low speed driving connection.

1,585,086. ROTARY PLOW. MICHAEL DE CRISTOFARO, Astoria, N. Y. Filed May 16, 1924. Serial No. 713,670. 8 Claims. (Cl. 97—216.)



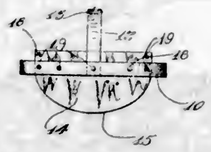
1. In a rotary plow mechanism, the combination with a rotary supporting part, a plurality of radial arms secured thereto, and provided at their outer ends with bifurcated portions provided with pivots, plow beams carried by said arms and provided with pivot lugs engaging said pivots, stops for preventing said plow beams from swinging in one direction on said pivots beyond a substantially radial position, plow blades carried by said plow beams, each of said blades being disposed at a similar angle to a line extending transversely with respect to the machine, for throwing the soil rearwardly and laterally from each of said blades.

1,585,087. STUFFING BOX. RALPH BURTRON DEEMS, Wichita Falls, Tex., assignor, by mesne assignments, of forty-nine per cent to H. A. Van Tassel. Filed Dec. 26, 1924. Serial No. 758,216. 4 Claims. (Cl. 286—27.)



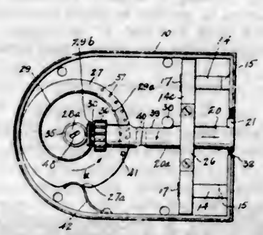
4. A stuffing box comprising a body having a chamber formed therein provided with a threaded neck opening through the upper end of the body, an attaching neck extending from the lower end of said body and having a longitudinally extending passage, a packing receiving pocket leading from the bottom of said chamber axially of the chamber and passage and communicating with the upper end of the passage through a reduced opening of a diameter to receive a shaft to be projected axially through the body and shank, packing in said pocket, a duct leading from the upper end portion of said passage and provided with a side port communicating with said chamber, said passage and its side port being wholly within the body, an upwardly opening check valve in said duct below said side port, a packing gland screwed into the threaded neck of said chamber about the shaft and having a packing receiving pocket, packing in the last-mentioned pocket, means adjustable in the last-mentioned pocket for compressing the packing therein, the inner end of said gland being formed with an annular recess, a perforated tube disposed in said chamber axially thereof and having its upper end fitted in said recess and its lower end extending into the first mentioned pocket and adapted to compress the packing therein when the gland is moved inwardly, and packing between the upper end of said tube and top of said recess, said tube being of a diameter to be disposed in spaced relation to a shaft passed through the stuffing box.

1,585,088. NECK-SHAVING GAUGE. ALBERT G. DELMON, Tampa, Fla. Filed Oct. 19, 1925. Serial No. 63,521. 1 Claim. (Cl. 132—45.)



In a shaving gauge, a head band, a crown band having its ends connected to said head band, a contour gauge separate from and carried by the head band and adjustable relative thereto, means for detachably and adjustably connecting the contour gauge to said head band, and means to adjust the effective lengths of both the bands.

1,585,089. BURGLARPROOF LOCK. MOSES B. DISKIN, New York, N. Y. Filed Mar. 2, 1925. Serial No. 12,500. 13 Claims. (Cl. 70—74.)

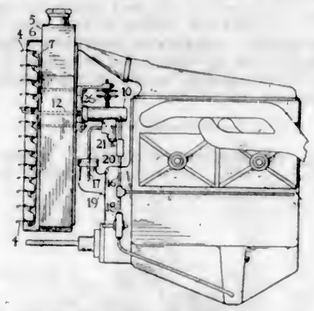


1. In a door lock, the combination with a door member and a jamb member, of a bolt projectable from one member into the other member, a keeper movable in the latter mentioned member for interlocking with the bolt when so projected, and a key member movable in the direction of the bolt to actuate the same and rotatable to actuate the keeper.

1,585,090. METHOD OF PREPARING ANTITOXIC SERA. ALPHONSE RAYMOND DOCHEZ, New York, N. Y., assignor to The Presbyterian Hospital in the City of New York, New York, N. Y. Filed Apr. 14, 1924. Serial No. 706,561. 3 Claims. (Cl. 167—7.)

1. Method of preparing anti-toxic sera comprising injecting into an animal body a nutrient protective medium; infiltrating the same with the desired bacterial culture; repeating the process to immunize the animal; and preparing a serum from the immunized animal.

1,585,091. TEMPERATURE REGULATOR FOR INTERNAL-COMBUSTION ENGINES. LOUIS C. GALLI, New York, N. Y., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Mar. 21, 1917. Serial No. 156,359. 44 Claims. (Cl. 123—174.)

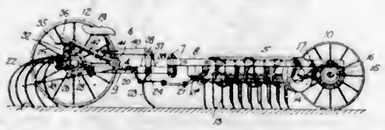


1. In a temperature-regulating device for an internal-combustion engine, the combination with the engine of a radiator and a circulating system between the two, a shutter for controlling the flow of air through the radiator, means for closing the shutter, means driven by the power of the engine for opening the shutter, and a thermostatic valve closed on increase of temperature for increasing the effective power of the engine to operate the shutter opening means.

1,585,092. METHOD FOR DEINKING PRINTED PAPER. LADISLAUS EMANUEL GRANTON, London, England. Filed Mar. 26, 1924. Serial No. 702,151. 7 Claims. (Cl. 92—3.)

1. A process for de-inking printed paper comprising the steps of pulping the paper in the presence of a solution of alkaline character; then subjecting the pulp, under agitation, to treatment with an aqueous composition, made by causing a mineral substance having detergent properties to become as finely sub-divided as possible in water with the aid of an organic protective colloid having adhesive properties; and finally washing the pulp.

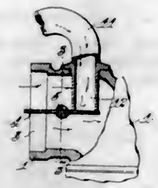
1,585,093. HAY RAKE AND COCKER. WARREN W. HENCH, Undercliffe, Colo. Filed Jan. 20, 1920. Serial No. 352,885. 10 Claims. (Cl. 56—368.)



1. A combined hay rake and cocker comprising in combination with a wheeled frame, a rake element adapted to gather the swath on a field into a windrow central of the machine, a rake adapted to gather the hay in said windrow into cocks, mechanism to intermittently raise said rake by the movement of the machine, a clearing-rake forward of the cocking rake, and mechanism for raising the clearing rake by the movement of the machine.

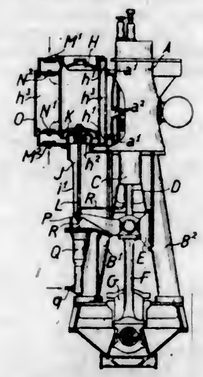
1,585,094. CARBURETOR. HARMON H. HENDRICKS, Huntington, Ind. Filed Feb. 5, 1923. Serial No. 7,071. 2 Claims. (Cl. 123—180.)

1. The combination with a carburetor having the usual air intake passage and the usual butterfly choke valve for controlling that passage and spring-held to the normal fully open position, of a tube having one end in communication with an explosive vapor supply and the other end thereof projected into the air intake passage of the carburetor just inwardly of the center of said choke valve and approximately half way across



the intake passage whereby the said pipe end will be closed off by said valve when said valve is at its normal open position and opened to admit explosive vapor into the air intake passage when said valve is closed to choke-off air induction.

1,585,095. INTERNAL-COMBUSTION ENGINE. ERNST HERKT, Kiel-Hassee, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Filed Jan. 21, 1925. Serial No. 3,846. 7 Claims. (Cl. 123—70.)



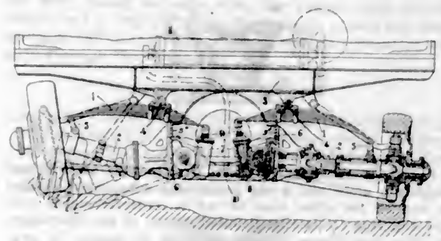
3. In a two-stroke internal combustion engine, a water cooling system including telescopic pipes, a scavenging pump having its cylinder disposed directly beside the engine cylinder and communicating therewith, a distance piece interposed between and fixed to said pump cylinder and the stationary element of said telescopic pipes for maintaining the two in operative alinement, and an arm on a rectilinearly reciprocating engine element operatively connected to the piston of said scavenging pump and to the movable element of said telescopic pipes.

1,585,096. PROCESS OF MAKING CROTONALDEHYDE. CLARENCE J. HERALY, Niagara Falls, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed May 22, 1924. Serial No. 715,235. 10 Claims. (Cl. 260—138.)

1. Process of making crotonaldehyde, comprising subjecting a material containing aldol to a decomposition temperature with substantially complete exclusion of air, and removing the decomposition products as formed, whereby the formation of undesired compounds is minimized.

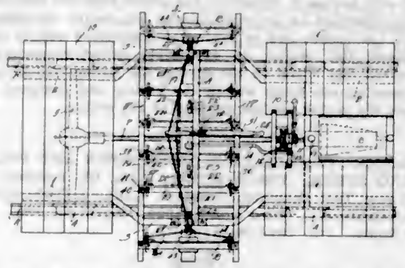
8. Process of decomposing aldol, comprising feeding aldol substantiall continuously into a heated zone, and removing the decomposition products therefrom.

1,585,097. SUSPENSION OF MOTOR ROAD VEHICLES. ALEXANDER ALBERT HOLLE, Paddington, London, England. Filed May 9, 1924. Serial No. 712,158. 4 Claims. (Cl. 280—112.)



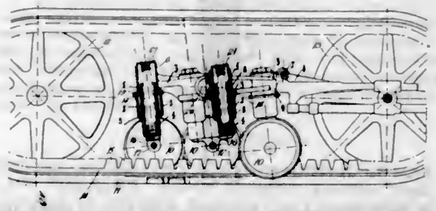
1. In a suspension for motor road vehicles a pair of divided axles, a spring arranged in parallel relation to each half axle and pivoted median to its length to the underframe of the vehicle, an inextensible coupling connecting one end of each spring to its half axle and a yielding coupling connecting the other end of each spring to said underframe said yielding coupling comprising an hydraulic cylinder mounted on a subframe carried by the underframe and a piston working in said cylinder connected to the end of the spring.

1,585,098. TAMPING MACHINE. JOHN A. JOHNSON, Spokane, Wash., assignor of one-half to Adolph Nelson, Hugo, Colo. Filed Aug. 17, 1925. Serial No. 50,573. 7 Claims. (Cl. 104—12.)



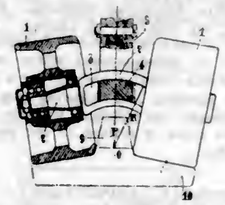
1. In a tamping machine the combination, with a tool frame and tamping tools suspended therefrom, of means for rocking said frame, means for laterally reciprocating said frame and tools, and means for vertically adjusting said frame and tools.

1,585,099. SUPPORTING TRUCK FOR ENDLESS-TRACK BELTS. ADOLPHE KÉGRESSE, Paris, France. Filed Aug. 22, 1922. Serial No. 583,609. 3 Claims (Cl. 305—9.)



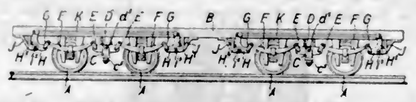
2. A supporting truck for endless track belts, embodying a set of rollers adapted to bear upon the lower stretch of the belt; plungers carrying the rollers; and a hermetic housing for each punger comprising a cylindrical member of flexible material immediately encasing the plunger, and a pair of tubular metallic protecting members encasing the flexible cylindrical member and slidably interfitting one another, said flexible member being attached to one of said protecting members and adapted to fold up within the other protecting member during the reciprocating movements of the plunger.

1,585,100. LOAD-DISTRIBUTING DEVICE FOR ENDLESS-TRACK VEHICLES. ADOLPHE KÉGRESSE, Paris, France. Filed Apr. 4, 1925. Serial No. 20,742. 2 Claims. (Cl. 305—9.)



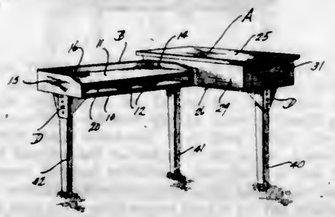
2. A load-distributing device for endless flexible track belts of the type comprising an endless median guide rib on the inner surface of the belt, embodying a carrier frame, a rocking beam connected with said frame, an axle having a central arcuate slot through which said beam transversely extends and the center of which is located at the base of the rib, and supporting rollers mounted on the axle ends and bearing upon the lower stretch of the belt; said axle having its slotted portions slidably engaging the beam to enable said rollers to be shifted, in accordance with ground-irregularities, transversely of the belt in an arcuate path the center of curvature of which coincides with that of the slot.

1,585,101. UNDERFRAME FOR RAILWAY CARS. PAUL KRÜGER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 17, 1925. Serial No. 44,316. 2 Claims. (Cl. 105—209.)



1. An underframe for railway cars comprising a plurality of pairs of wheels, axle springs, longitudinal compensating levers pivotally carried by the underframe and arranged to connect two neighboring axle springs to one another at their inner ends, a rigging connecting the outer ends of said springs and adapted to uniformly distribute to said springs the load acting on them.

1,585,102. SECTIONAL DESK. JAMES G. LANGDON, West Somerville, Mass. Filed Oct. 11, 1921. Serial No. 506,947. 1 Claim. (Cl. 45—93.)



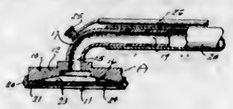
In a desk, a machine supporting section including a top member, a bottom member, end rails securing the top member and bottom member in spaced relation so that

said rails are each disposed above and below the plane of the top member and have outside plane surfaces of the same dimensions and free of projections, a leg for detachable connection to the bottom member of said section adjacent either end rail, a second section including skirts at opposite sides thereof against which the plane outer surface of either end rail of said first mentioned section may abut, means for coupling the sections in such relation, and leg supporting means for the second section.

1,585,103. PRESERVATION OF STONE. ARTHUR PILLANS DAURIE, Edinburgh, Scotland. Filed Aug. 16, 1924. Serial No. 732,574. 3 Claims. (Cl. 91—68.)

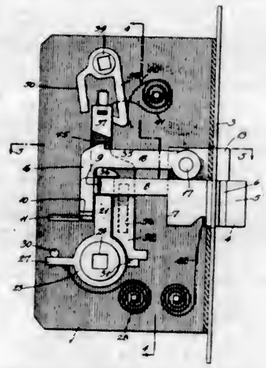
1. A method of preserving stone consisting in soaking the stone with an undecomposed silicic ester dissolved in a volatile solvent therefor and having a small amount of acid added thereto, and allowing the moisture of the air to hydrolyze the solution, whereby a continuous film of hydrated silica is formed in the stone and holds the same together.

1,585,104. MEDICAL APPLICATOR. WILLIAM E. MONTGOMERY, La Junta, Colo. Filed Oct. 13, 1923. Serial No. 668,324. 6 Claims. (Cl. 174—89.)



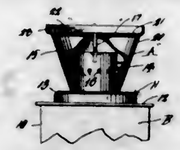
1. In an applicator the combination of a casing having a pocket opening outwardly, a porous pad fixedly mounted entirely across the mouth of said pocket, and means for forming a vacuum within said pocket behind said pad.

1,585,105. LOCK HAVING AN INNER AND AN OUTER HANDLE ROTATABLE INDEPENDENTLY OF EACH OTHER. WILHELM OVERDICK, Brooklyn, N. Y. Filed Feb. 13, 1924. Serial No. 692,456. 8 Claims. (Cl. 70—29.)



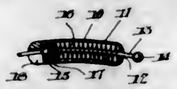
1. In a lock, inner and outer independently rotatable handles, a lock bolt having a rearward extension, a part movably connected at one of its ends with the bolt, members fixed to each of the handles and cooperating respectively with said bolt extension and with said part whereby, upon the rotation of one of said handles the lock bolt is retracted, a slidable member cooperating with said part, and said bolt retracting member on the latter handle having a part cooperating with said slidable member when the bolt is retracted to actuate the same and move said movable part on the latch bolt out of the path of movement of the member on the other lock handle.

1,585,106. LANTERN HEATER. ALFRED PEDERSON, Colfax, Wis. Filed June 3, 1925. Serial No. 34,680. 2 Claims. (Cl. 126—265.)



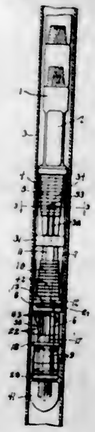
1. The combination with an illuminating lantern embodying a globe and a cap comprising a top plate resting on top of the globe and having a centrally raised portion carrying an axially disposed sleeve, of an attachment therefor comprising a drum adapted to snugly fit over a portion of the cap, and a plate resting on top of the drum and provided with a peripheral upstanding flange adapted to retain on said plate an article to be heated.

1,585,107. BRACELET. SAMUEL PORTE, Sydney, Nova Scotia, Canada. Filed Feb. 23, 1923. Serial No. 620,815. 1 Claim. (Cl. 59—79.)



A bracelet comprising a plurality of links each consisting of a casing, a connecting rod ball-formed at one end and having a socket at the other end, the ball end being designed to protrude beyond the casing to engage with the socket end of a similar connecting rod in the adjacent link casing, an expansible spring surrounding said rod and a slot in the casing, the socket end of the connecting rod being within the casing and designed to press the spring against the end of the casing.

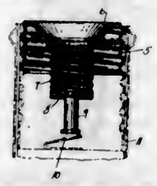
1,585,108. COMBINATION DRIVE DOWN AND PULLING SPEAR. PHILIP M. REA, Elgin, Ill., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Jan. 5, 1925. Serial No. 725. 17 Claims. (Cl. 294—96.)



9. In a combination drive-down and pulling spear, the combination of a body, pull-up slips guided on the body, a sleeve mounted to slide on the body, down-jar slips guided on the sleeve, a latch device for latching the sleeve to the body to prevent longitudinal movement of

the sleeve on the body, a drag spring having means for holding the latch device in its latching position and operating to release the latch device upon an upward pull of the body, means for supporting the pull-up slips on the sleeve, and a trip device on the body to enable the body to "pick up" the sleeve by a downward movement of the body through the sleeve.

1,585,109. ADAPTER FOR ELECTRIC-LAMP SOCKETS. ADOLPH C. RECKER, Watertown, Conn., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation. Filed Apr. 5, 1924. Serial No. 704,331. 1 Claim. (Cl. 173—344.)



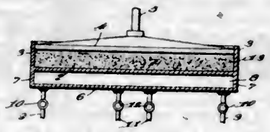
In an adapter for electrical lamp-sockets, the combination with a threaded shell, provided at one end with a reflector, of a smaller inner shell supported by the said reflector concentrically within the outer shell, and a contact-stem mounted in the opposite end of the inner shell and insulated therefrom.

1,585,110. CHAIN FOR ELECTRIC-LIGHTING FIXTURES. ADOLPH C. RECKER, Oakville, Conn., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation. Filed Aug. 27, 1924. Serial No. 734,540. 2 Claims. (Cl. 59—91.)

1. An electric-lighting fixture chain-link comprising a reach having a wire-passage, and two complementary leaves originating at opposite points upon the said reach, bent to substantially parallelism with each other and each perforated and folded to form two corner-members separated by an assembly-opening and a suspension-member at the end thereof, opposite said reach.

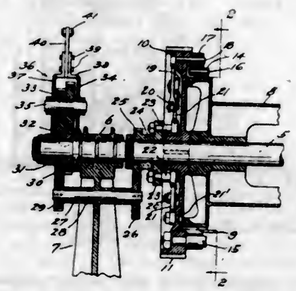
1,585,111. FLOOR COVERING AND METHOD OF MAKING THE SAME. SAMUEL REICHERT, Spokane, Wash., assignor to Indioleum Products Co., a Corporation of Washington. Filed Feb. 27, 1924. Serial No. 695,559. 5 Claims. (Cl. 18—53.)

1. The herein-described method of making a floor covering, which consists, in grinding fabric-rubber to a comminuted fineness, in thoroughly mixing the ground mass to substantially completely distribute the fabric throughout the rubber content, in spreading the mixed mass over a mold bottom, in compressing the mass in the presence



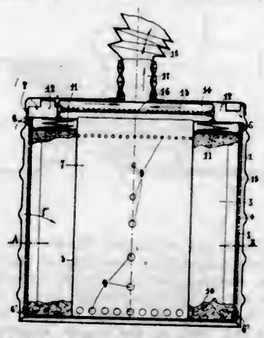
of heat on one side only to vulcanize the mass into an integral body of the desired thickness, and in suddenly cooling the heated side of said body to retain the form of the latter.

1,585,112. CLUTCH. PERCY H. RIDGWAY, Seattle, Wash. Filed Apr. 10, 1924. Serial No. 705,438. 2 Claims. (Cl. 192—35.)



1. In mechanism of the class described, the combination with a shaft, a journal bearing therefor, clutch devices rotatable with the shaft, and a clutch member loosely mounted upon the shaft at one side of said bearing, of a system of gears operatively connecting said shaft with the clutch devices, and a frame rotatable about the axis of the shaft at the opposite side of the bearing from said clutch member for regulating the action of said system of gears to apply and disengage selectively the clutch devices with respect to said member.

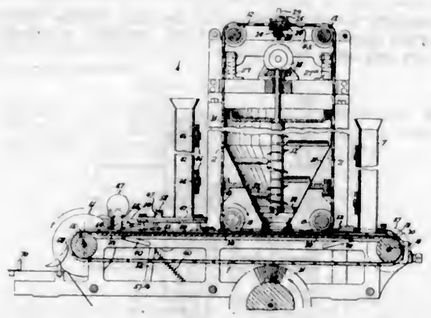
1,585,113. RESPIRATOR FOR GAS MASKS. REMY JULES ROBERT, Versailles, France, assignor to La Société d'Etudes et de Construction de Matériel de Protection, Siège Social, Paris, France. Filed Mar. 31, 1924. Serial No. 703,150. 3 Claims. (Cl. 183—45.)



1. In a respirator for gas masks, an outer case provided with air inlets; an inner case spaced from the outer case to form an intermediate air chamber and comprising a vertically-corrugated, perforated shell and a filter of woven fibers disposed against the outer face of said shell

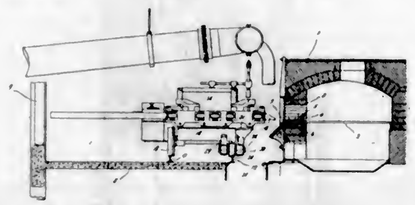
and conforming to the corrugated shape thereof so as to provide a filtering surface of increased area; a perforated strainer within and spaced from the inner case and adapted to be connected in an air-tight manner with the inlet tube of the mask, to create a suction action in the strainer when the mask is in use; and absorbent purifying material filling the space between the strainer and the inner case.

1,585,114. MACHINE FOR APPLYING CREAM AND LIKE MATERIALS TO BISCUITS AND THE LIKE. LAURENT RONDOLIN, Bermondsey, London, England, assignor to Peek Frean & Company, Limited, London, England. Filed Sept. 18, 1924. Serial No. 738,375. 16 Claims. (Cl. 107—1.)



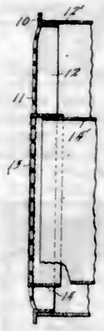
14. In a machine of the kind herein referred to the combination with a carrier belt, a companion stencil belt directly driven by the latter, a container for biscuit blanks adapted to be fed on to the carrier belt, a receptacle containing a coating material to be applied to the first named blanks through the stencil belt, a second container for covering biscuit blanks and means for transferring the covering blanks to the coating upon the first named blanks, of means adapted to press the covering blanks upon such coatings and means for intermittently bringing the pressing means into operation, substantially as described.

1,585,115. CLINKER EXTRACTOR. AMOS B. RUMSEY, Beloit, Wis., assignor to Covington Machine Company, Inc., Covington, Va., a Corporation of Virginia. Filed Sept. 3, 1925. Serial No. 54,209. 3 Claims. (Cl. 214—23.)



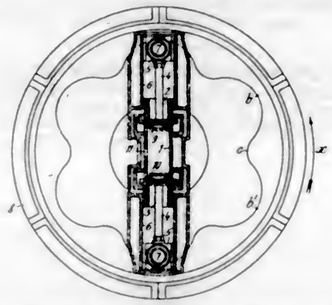
1. In a machine for extracting clinker and the like, a frame, a shovel mounted at one side of the frame and adapted to be reciprocated transversely of said frame, a pair of axles extending transversely of and mounted in the opposite sides of, said frame, a wheel mounted on each axle at the side of the frame remote from the shovel, a second pair of axles mounted on the frame, a wheel mounted on each of said second pair of axles having a portion within the line passing longitudinally of the frame along the outside of the shovel side frame mountings of said first pair of axles.

1,585,116. GRILLE FOR HEATING FLUES. THEODORE A. SALA, Dallas, Tex. Filed Mar. 3, 1924. Serial No. 696,658. 1 Claim. (Cl. 98—52.)



An integral flue grille comprising a marginal frame having a foraminous panel and a collar passing through and beyond the opposite faces of the panel and spaced on all sides from the frame to leave a greater space at one end than at its sides and opposite end, said panel being bowed outwardly from the sides of the frame to said collar to position the latter forward of the frame.

1,585,117. TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINE OF THE DIESEL TYPE. PAUL SCHMALJOHANN, Kiel, Germany. Filed Apr. 15, 1924. Serial No. 706,657. 5 Claims. (Cl. 123—51.)

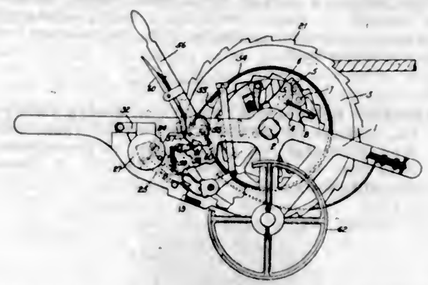


3. In a two-stroke cycle internal combustion engine, the combination, with a cylinder, and a piston, of a cam way engaged by said piston for controlling the movement thereof, that portion of the curve of the cam way which controls the combustion, expansion and compression being modified from the curve corresponding to the operation by means of a crank mechanism in such a way as to accelerate the movement of the piston during the compression stroke and begin the combustion stroke accordingly and retard the movement of the piston during the combustion and expansion stroke.

1,585,118. PULLING DEVICE. JAMES E. SCHOOLFIELD, Danville, Va., assignor to Puller Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 595,922. 8 Claims. (Cl. 254—186.)

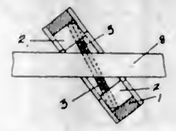
1. A pulling device or the like comprising: an oscillatory shaft, a drum loose on the shaft, pawl and ratchet means between the shaft and drum for rotating the drum

in the same direction upon a stroke in either direction of the shaft, a rocking member independent of the shaft, a pair of low speed pawls on the rocking member,



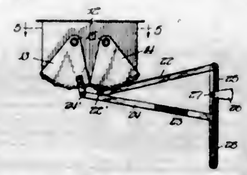
and means, actuated by said low speed pawls, for rotating the drum in the same direction upon actuation of the rocking member in opposite directions.

1,585,119. UNIVERSAL DRIVING GEAR. ALBERT SCHROEDER, Piqua, Ohio. Filed Nov. 19, 1923. Serial No. 675,460. 1 Claim. (Cl. 64—98.)



A universal driving connection of the type described, comprising an annular member formed in its inner periphery with engaging portions, a plate within said member formed to move angularly with respect to said engaging portions, said plate containing a central hole with one or more straight sides, and an axial element conforming in cross sectional area to said hole, but of substantially less size than the latter, for the purpose of entering it for rotation by the annular member at a wide angle to it.

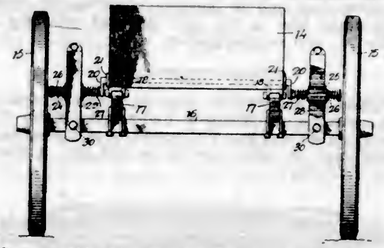
1,585,120. DUMP GATE. JAMES B. SEAVERNS, Chicago, Ill. Filed June 5, 1922. Serial No. 566,004. 1 Claim. (Cl. 221—144.)



In a hopper, in combination, a pair of pivotally mounted dump gates, said gates having abutting edges, a bifurcated arm connected with one of said dump gates close to its edge and a second arm connected to the other of said gates close to its edges and symmetrically disposed relative to the length of said other gate, and a common lever for operating said arms, said lever having a pivotal mounting between said arms.

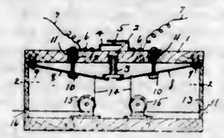
1,585,121. VEHICLE CONSTRUCTION AND BODY SUSPENSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Nov. 26, 1923. Serial No. 677,124. 9 Claims. (Cl. 267—28.)

1. In a suspension for vehicle bodies, the combination with a frame, and an axle, of a hanger mounted on the body and including a shaft extending transversely of the body, springs fitted on the shaft, a pinion on said



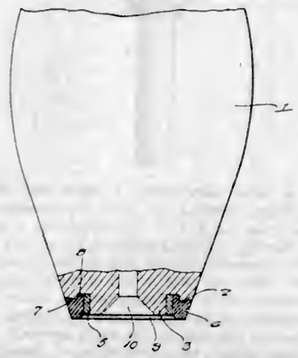
shaft cooperable with said springs, and a rack fulcrumed on the axle and cooperable with said pinion.

1,585,122. FIRE-ALARM SIGNAL. GEORGE A. SHAFFER, Perryville, Md. Filed Oct. 28, 1924. Serial No. 746,286. 1 Claim. (Cl. 200—142.)



A fire alarm signal comprising a case having a number of openings in its sides, a base forming part of said case and having a central aperture therethrough, a push button fitted in the said central aperture, contact plates secured to the outer surface of said base and in alignment with said central aperture and adapted to be connected in circuit with a suitable indicator, a number of contact fingers each of which is pivoted at one end to the inner surface of said base and having its free end adapted to operate said push button, a number of pulleys secured in said case, a cord connected to the free end of each of said fingers to hold them normally out of contact with the said push button, each of said cords pass over one of said pulleys and out through one of the said openings in the side of the case, and means to force the said fingers into contact with the push button when the said fingers are released.

1,585,123. BOWLING PIN. CARSON J. SHELDON, Youngstown, Ohio. Filed Aug. 17, 1925. Serial No. 50,763. 3 Claims. (Cl. 273—82.)



1. A bowling pin having a central reduced shank portion formed on the lower end thereof, the bottom of the pin having an annular groove extending around the shank portion, an inner ring fitted on the reduced shank

portion, the upper portion of said inner ring extending into the annular groove, and an outer ring fitted on the inner ring, and an annular extending rib formed on the inner edge of the outer ring and extending upwardly into said annular groove.

1,585,124. CABLE JOINT. DONALD M. SIMONS, Osborne, Pa., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 18, 1924. Serial No. 738,424. 4 Claims. (Cl. 173—268.)

1. A cable joint including a body of wrapped-on insulating material formed of a single sheet metallized adjacent its opposite margins and surrounding the united conductor-ends and the adjacent ends of machine-laid insulation, such metallized margins constituting flaring screens made electrically continuous with the cut-away ends of the cable-sheath, said joint further including a sleeve surrounding the said body of insulation and at its ends secured to the cable-sheath on each side of the joint, the space within the sleeve and surrounding the said wrapped-on body being filled with insulating compound.

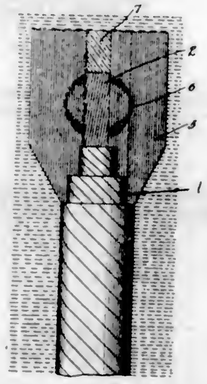
3. A wrapping for a cable joint consisting of a sheet of insulating material metallized adjacent its opposite edges along convergent lines.

1,585,125. CABLE INSTALLATION. DONALD M. SIMONS, Osborne, Pa., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1924. Serial No. 743,645. 3 Claims. (Cl. 173—353.)

2. In a cable installation a cable end with sheath and insulating envelope cut away to successively greater distances from the end of the conductor, a sheet of insulation bearing an attenuate length of meal, wrapped upon the otherwise exposed end of the insulating envelope of the cable, the said length of metal constituting in the completed article a flaring screen borne by the applied wrapping of insulation and in electric continuity with the cut-away end of the cable-sheath, a casing enclosing the whole, and insulation of liquid character filling the space within the casing.

3. In a cable installation, a cable-end having sheath and insulation cut away at successively greater intervals from the end of the conductor, a body of solid insulation surrounding the otherwise exposed end of the insulating envelope of the cable, such body being formed of sheet material wrapped to place and such sheet material bearing a strip of metal which, when the sheet is wrapped to place, constitutes a flaring-round-edged screen in electrical continuity with the cut-away end of the cable-sheath.

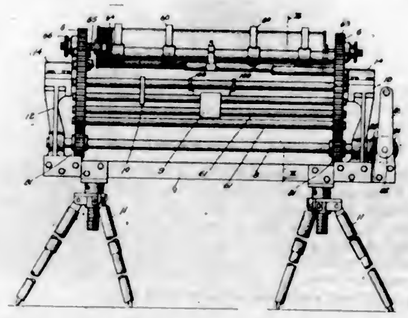
1,585,126. ELECTRODE. DONALD M. SIMONS, Osborne, Pa., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1924. Serial No. 750,740. 6 Claims. (Cl. 173—353.)



2. In an electrical installation an electrode enveloped in a wrapped-on body of solid insulation within which a metallic extension of the electrode is embedded.

4. A wrapping for a conductor consisting of a sheet of insulating material carrying along a line oblique to its length a strip of metal.

1,585,127. JOINT-BUILDING MACHINE. DONALD M. SIMONS, Osborne, and FRANK D. BARBOUR, Pittsburgh, Pa., assignors to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 53,306. 13 Claims. (Cl. 242—7.)

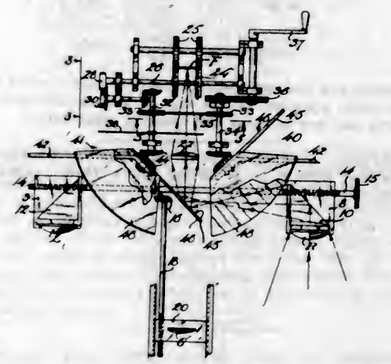


1. In a joint-building machine for electrical cables the combination of a frame provided with two clamps having aligned cable seats, a drum rotatably mounted in said frame, coaxially with such cable seats, and a rotatable shaft borne by said frame and geared to said drum, the drum being rotatable in response to shaft rotation.

1,585,128. METHOD FOR SALTING AND ROASTING NUTS. WILLIAM J. SMITH, Denver, Colo., assignor of one-half to Vincent H. Connole, Denver, Colo. Filed Sept. 26, 1922. Serial No. 590,675. 3 Claims. (Cl. 99—1.)

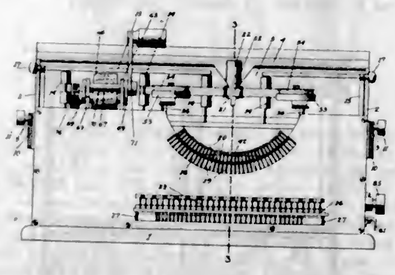
1. A process comprising placing nuts in the shell under vacuum, introducing brine thereto, applying pressure, drawing off the surplus brine, steaming to evaporate the water in and upon the shells of the nuts, and roasting the nuts within their shells with superheated steam, all in one continuous operation.

1,585,129. STEREOSCOPIC MOTION-PICTURE CAMERA. WILLIAM J. SMITH, Denver, Colo. Filed Oct. 16, 1922. Serial No. 594,857. 29 Claims. (Cl. 88—16.6.)



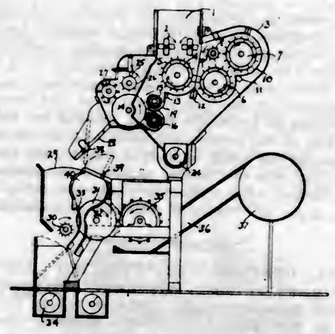
1. A motion picture camera comprising spaced object lenses, a common focusing lens, and continuously rotary means for directing rays from the object lenses to the focusing lens.

1,585,130. CHECK WRITER AND PROTECTOR. FRED J. STEPHENSON, Hanford, Calif. Filed July 11, 1925. Serial No. 42,884. 7 Claims. (Cl. 197—6.)



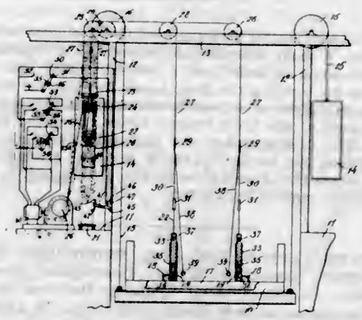
1. A machine for filling in checks and the like comprising supporting means for the check, manually operable bars having type faces for enabling data to be typed on the check while thus supported, an impression roller whose surface is provided with data in the form of words to be impressed on the check, mounted in connection with the supporting means to one side of the type-bars, means for enabling said roller to be moved into engagement with the check at will, a mechanism for advancing the check longitudinally in the supporting means, means for actuating said mechanism to advance the check a distance not less than the width of a type-face when the type-bars are actuated, and means for actuating said mechanism to advance the check a distance not less than the length of a word on the roller when the latter is actuated.

1,585,131. HULLING AND CLEANING FEEDER FOR COTTON. JOHN ARNOLD STREUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a Corporation of Texas. Filed Jan. 19, 1925. Serial No. 3,418. 4 Claims. ((Cl. 19—67.)



1. In a device of the character described, cotton feeding rolls, a series of picker cylinders having screens below them for separating the dirt and chaff from the cotton, a saw cylinder, conveyor rolls in superimposed position adjacent said saw cylinder, spikes on said conveyor rolls arranged spirally thereon and bent laterally toward the ends of the said rolls, whereby the cotton may be moved along said saw cylinder and the hulls removed therefrom, and means to brush the cotton from said saw cylinder.

1,585,132. SUPPORT FOR FERRY BRIDGES. HORATIO P. VAN CLEVE, Cranford, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Apr. 14, 1925. Serial No. 23,094. 7 Claims. (Cl. 14—71.)

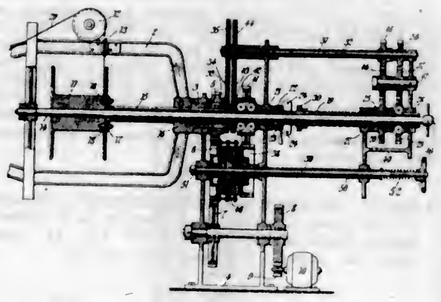


1. The combination with a ferry bridge, of means for mooring a ferryboat thereto comprising a stationary overhead sheave, a weight, a lifting mechanism therefor, a cable running over the overhead sheave and having one end arranged to be connected to a boat, and reduction mechanism interposed between the other end of the cable, the weight and the lifting mechanism.

1,585,133. STEERING DEVICE FOR TRAILERS. HERMANUS VAN DER HOF, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Internationale Truck & Trailer Compagnie (Internationale Vracht- en Aanhangwagen Maatschappij), Amsterdam, Netherlands. Filed Mar. 20, 1924. Serial No. 700,539. 3 Claims. (Cl. 280—33.4.)

1. A steering mechanism for traction vehicles with trailers including, in combination, a steering mechanism for the wheels of the vehicle, a steering mechanism for the trailer axle, a lever pivotally connected to the frame of the vehicle and to the steering mechanism thereof, a bar connected to one end of said lever and movable in the direction of its length, and a steering bar connected at one end to the steering mechanism of the trailer axle, said steering bar being of such a length that the movement of the rear end thereof caused by the displacement of the trailer axle when the trailer is being loaded, will be in an arc having a relatively flat curvature.

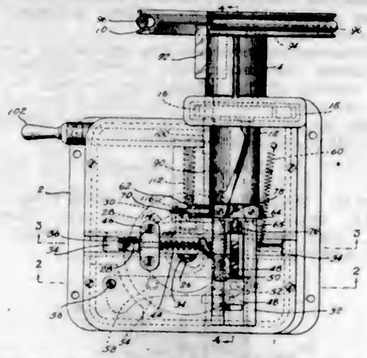
1,585,134. GEARING FOR TWISTING MACHINES. CHARLES F. VAN HOOK, Paterson, N. J., assignor to The Watson Machine Company, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 6, 1925. Serial No. 60,819. 5 Claims. (Cl. 118—15.)



1. In gearing for twisting machines the combination of a flyer, a shaft concentrically mounted for rotation and reciprocation in said flyer, a reel carried by said shaft, means for rotating the flyer, means for rotating said reel from said flyer at a predetermined speed different from the speed of the flyer, friction means interposed between said flyer driving means and said reel driving means for modifying the relative speeds of said two driving means, and means for adjusting the tension of said friction means while the gearing is running.

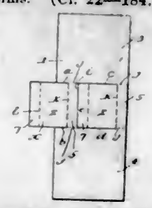
1,585,135. APPARATUS FOR PRODUCING ENDED CORDS. EDWIN E. WAITE, Framingham, Mass., assignor to Driver-Harris Company, Harrison, N. J., a Corporation of New Jersey. Filed Feb. 28, 1924. Serial No. 695,638. 11 Claims. (Cl. 242—1.)

1. In a machine of the character described for winding cords having two free ends, the combination of a revolvable needle having its eye eccentric to its axis of revolution, means for revolving said needle, means for clamping a cord having a plurality of free ends so that the axes of said ends may be one at a time within the circle described by the eccentric end of the needle, means for moving said clamping means so as to move the end of the cord longitudinally relatively toward and from said needle a plurality of times, and means for shifting the cord transversely



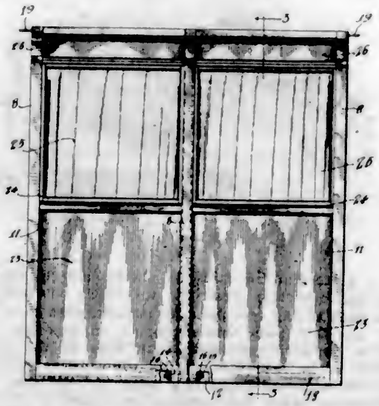
between two complete reciprocations of said cord so that the circle described by the end of said needle first embraces one free end only and then the other only.

1,585,136. CHAPLET FOR MOLDING. GEORGE L. WAITT, Buffalo, N. Y. Filed Apr. 4, 1925. Serial No. 20,727. 4 Claims. (Cl. 22—184.)



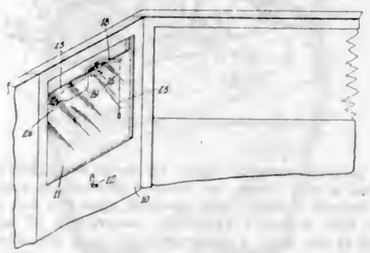
1. A chaplet comprising top and bottom plates, uprights spaced from each other and connecting said plates at one edge of the plates and struts on the corresponding edges of said uprights, there being only one strut on each upright, said struts extending at substantially right angles with respect to the upright and lying between said plates.

1,585,137. SECTIONAL PARTITION. KARL ALBERT WEBER, Los Angeles, Calif. Filed Mar. 17, 1924. Serial No. 699,656. 5 Claims. (Cl. 20—4.)



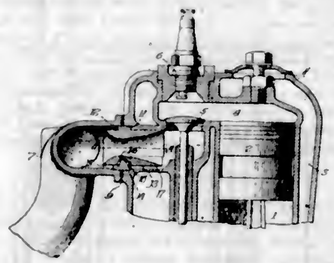
1. A sectional partition comprising posts having longitudinally extending rabbets, panels fitting the rabbets and provided with recesses, the posts having transversely extending holes and the panels having holes aligned with the holes in the posts and communicating with the recesses, means extending through the holes and into the recesses to hold the posts and panels assembled, and a metal strip extending along the upper edges of the panels and secured to said panels.

1,585,138. SIGNAL ARM FOR CLOSED-BODY AUTOMOBILES. MAX WEISS, New York, N. Y. Filed Nov. 14, 1925. Serial No. 68,986. 3 Claims. (Cl. 116—52.)



1. In an automobile of the closed body type; the combination with the driver's window; of a readily movable bracket adapted to be temporarily held over the upper edge of said window; and a lever pivoted to said bracket, having an actuting arm portion extending inwardly into the interior of the car and a spring pressed signal arm portion normally urged against the outer face of the window and adapted to be swung at right angles thereto when the actuating arm portion of the lever is correspondingly moved.

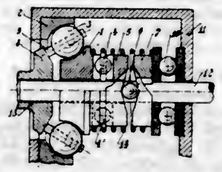
1,585,139. FUEL REATOMIZER FOR GAS ENGINES. WILLIAM A. EDWARDS, Chicago, Ill., assignor of three-fourths to Charles W. Gillett, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,713. 7 Claims. (Cl. 48—180.)



2. An internal combustion engine including in combination a cylinder block having an intake passage, an intake manifold, means for directing securing said intake manifold to said cylinder block, a venturi located in the fuel mixture passage in the intake manifold and cylinder block, said venturi having an annular projection between its ends adapted to be clamped by the means securing the intake manifold to the cylinder block, said venturi being formed so as to provide a collecting chamber for the condensate in the fuel mixture, and a duct connecting said collecting chamber with the throat of the venturi.

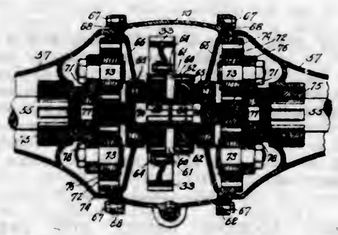
1,585,140. GEARING FOR TRANSMITTING ROTARY MOTIONS. RICHARD ERBAN, Vienna, Austria. Filed Nov. 27, 1922. Serial No. 603,418. 6 Claims. (Cl. 74—34.)

1. In a friction gear, a driving shaft, a driven shaft, races and rolling bodies interposed between said shafts, operative connections between said rolling bodies and one of said shafts, one of said races being mounted on said driving shaft, a fixed race against which said rolling bodies bear, and a pressure device interposed between



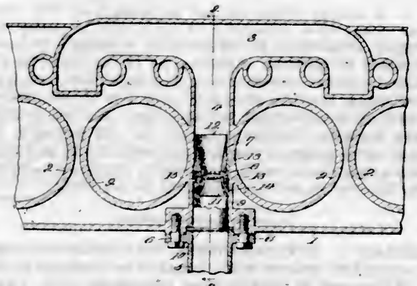
the drive shaft and driving race adapted to produce the required pressure between said races and rolling bodies, and acting directly only on the race mounted on said driving shaft, transmitting its entire pressure to said race.

1,585,141. DRIVING MECHANISM FOR TRACTORS. JOHN B. FOOTE, Oak Park, Ill.; John T. Kerwin administrator of said John B. Foote, deceased. Original application filed Oct. 4, 1919, Serial No. 328,487. Divided and this application filed Apr. 5, 1921. Serial No. 458,827. 3 Claims. (Cl. 74—99.)



1. In driving mechanism for tractors, the combination of a gear case, differential gearing in the case, axle members, the case having openings in its sides thru which the differential gearing may be inserted or removed, heads adjacent to said openings, bolts extending thru said heads and the case for securing the heads to the case, reducing gearing between the differential gearing and said members, and bearings for the differential carried by said heads.

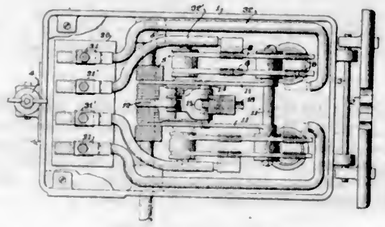
1,585,142. ATOMIZER FOR INTERNAL-COMBUSTION ENGINES. CHARLES W. GILLETT, Chicago, Ill., assignor to The Turbulator Corporation, Chicago, Ill., a Corporation of Delaware. Filed Mar. 4, 1922. Serial No. 541,244. 9 Claims. (Cl. 48—180.)



1. The combination of an internal combustion engine having a cylinder, an intake manifold and a carburetor attached thereto, of an atomizer located at a distance well within the said manifold, said atomizer having a restricted throat and means for supporting said atomizer

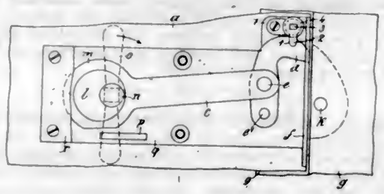
so as to provide an annular channel extending about each end of said atomizer, said channels being separated from each other, said atomizer having a plurality of liquid fuel atomizing passages leading from the respective channels to the said restricted throat of the atomizer.

1,585,143. SNAP SWITCH. ERNEST M. GLASGOW, Towaco, N. J., assignor to Russell & Stoll Company, New York, N. Y., a Corporation of New York. Original application filed Feb. 9, 1924, Serial No. 691,606. Divided and this application filed Oct. 23, 1924. Serial No. 745,270. 13 Claims. (Cl. 200—70.)



1. In a snap switch, the combination with a switch arm, of an operating shaft, a link connected with the arm by lost motion and provided with a dog, an arm extending from the shaft and adapted to move said link with lost motion, a spring acting on the arm and normally restrained from operation by said dog and a catch adapted to hold the dog and arm against movement until the dog performs lost motion under the action of the operating shaft.

1,585,144. LOCKING DEVICE FOR CARRIAGE DOORS. CURT WILLIBALD ALEXIS HANNEBOHN, Berlin-Charlottenburg, Germany, assignor to Alexis Kellner, Berlin-Charlottenburg, Germany. Filed Jan. 10, 1925. Serial No. 1,681. 2 Claims. (Cl. 292—98.)

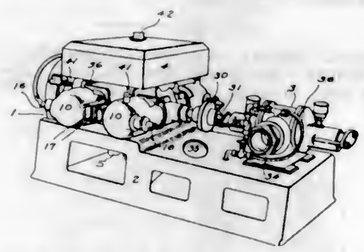


1. A locking device for use in connection with doors and door-frames, especially of the bodies of motor carriages, comprising, in combination, a gripper pivotally mounted on the door, a pin located in the door-frame in such a position relatively to said gripper that the gripper can engage said pin when said gripper is in its operative position; a bar hinged to the gripper and an eccentric ring connected rigidly with said bar and having a flat face on its periphery; an eccentric disk within said ring; and an abutment member adapted to co-operate with the flat face mentioned, substantially as set forth.

1,585,145. DIAZOTIZATION OF ORGANIC COMPOUNDS. CLARENCE P. HARRIS, New York, N. Y., and NATHANIEL M. ELIAS, New Brunswick, N. J. Filed June 17, 1924. Serial No. 720,517. 7 Claims. (Cl. 260—69.)

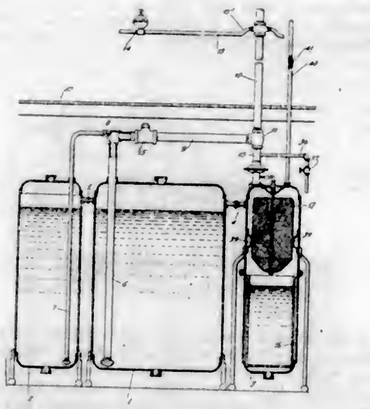
1. The method of diazotizing an organic amino compound which consists in treating the compound with sulphuric acid and alkali metal nitrite.

1,585,146. FOREST-FIRE-FIGHTING APPARATUS. EARL W. HIMBERGER, Seattle, Wash., assignor to Pacific Marine Supply Company, Seattle, Wash., a Corporation of Washington. Filed Apr. 10, 1924. Serial No. 705,714. 1 Claim. (Cl. 169—2.)



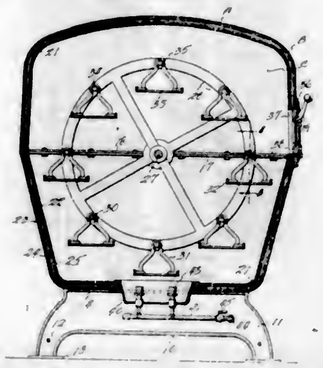
A portable pumping engine for forest fire fighting comprising a base frame, an internal combustion engine of the opposed cylinder type mounted upon one end of the base with cylinders extending transversely of and secured to the base, a pump mounted upon the other end of the base and driven from the engine, a fly wheel mounted upon the engine shaft alongside and outwardly of the engine cylinders, the base frame being recessed at its end to accommodate one side of the fly wheel within its outline, and a fuel supply tank mounted upon and over the engine cylinders and serving to mask the upper projecting part of the fly wheel.

1,585,147. ONE-PIPE SPRINKLER SYSTEM. OSCAR J. HOLMES, Tulsa, Okla. Filed Aug. 9, 1920. Serial No. 402,226. 3 Claims. (Cl. 169—8.)



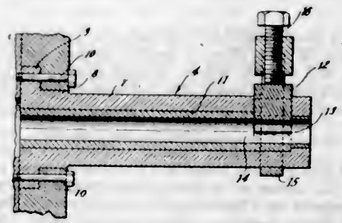
1. A fire sprinkler system embodying a closed container for an acid, a second closed container for an alkaline foam forming solution, a pressure chamber communicating with the acid and alkaline foam forming solution chambers and adapted to contain materials for generating pressure, means for normally maintaining the materials separate from one another, a stand pipe or main, laterals associated therewith, automatic sprinkler heads associated with the laterals, branch pipes leading from the stand pipe to the individual containers, and means controlled by the sprinkler heads for permitting the pressure-forming materials to come together, whereby pressure is generated and is communicated to the acid and foam forming containers, for the purpose of forcing the acid through its respective branch pipes to the main and the foam forming solution through its respective branch pipe to the main, said acid and foam forming solution being commingled with and mixed within the main pipe and discharged as foam from one or more sprinkler heads.

1,585,148. BAKING OVEN. LOUIS D. HOULIS, Dallas, Tex. Filed May 10, 1924. Serial No. 712,227. 2 Claims. (Cl. 107—59.)



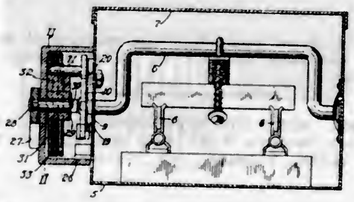
2. A baking oven of the character described comprising a base having spaced standards, end members secured to each standard, said end members being composed of an upper open frame section having parallel sides and a curved top and a lower open frame section having a horizontal bottom and tapering sides, each section being provided with a transverse flange and an inwardly extending peripheral flange, each upper section having its transverse flange secured to the transverse flange of the corresponding lower section, tie bars extending between said end members at spaced points around the periphery thereof, insulated end walls secured within the peripheral flanges of the open frame sections, a jacket secured to the peripheral flanges of said end member and having a heat insulating core, an inner lining supported within the jacket and spaced therefrom by said tie bars, a revolving carrier mounted within the assembling sections, a burner trough depending from the horizontal base beneath the axis of the carrier, and separately controlled grouped burners disposed at intervals in said trough.

1,585,149. DIE FOR THE CONTINUOUS PRODUCTION OF CELLULOSIC FUEL. GEORGE C. HUMPHREY, Los Angeles, Calif., assignor, by direct and mesne assignments, to United Products Company, Incorporated, Los Angeles, Calif., a Corporation of California. Filed Mar. 7, 1924. Serial No. 697,454. 1 Claim. (Cl. 25—12.)



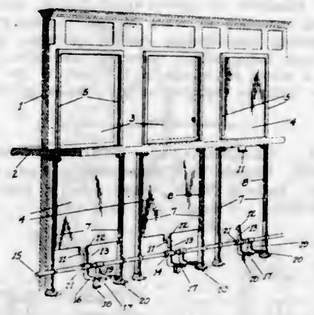
A die for the continuous production of cellulosic fuel comprising a tubular body, a tubular core mounted within the tubular body and having a uniform central passage therethrough, a flange formed at one end of the body to detachably mount the said die, a slot formed in the body and in the core at the opposite end thereof, a segmental choke block mounted in the slot, a stirrup surrounding the body and having means screw threaded therethrough for engaging the segmental choke block for adjustably holding the said block in position within the said slot.

1,585,150. SWITCH BOX. OLIVER S. JENNINGS, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1920. Serial No. 420,047. 12 Claims. (Cl. 200—70.)



1. The combination with a switch box and a switch shaft projecting from a wall thereof, of a shaft secured to the said wall and aligned with the switch shaft, an operating enclosure member mounted upon the second shaft exteriorly of the box and having means therein for effecting quick operation of the switch shaft in response to a predetermined movement of the operating enclosure member.

1,585,151. BANK-PROTECTING DEVICE. JOHN W. JOHNSTON, Stockton, Calif. Filed Oct. 17, 1925. Serial No. 63,018. 5 Claims. (Cl. 268—2.)

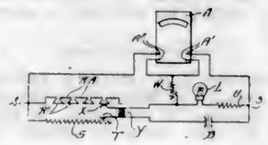


1. In combination with a plurality of windows, a movable member to cover each window, the different members being independent of each other, means acting on each member individually for moving the same to a window covering position, individual and releasable catch means for each member for holding the same clear of the window and preventing the first named means from functioning, and means independent of said individual catch means for enabling all the members to be released simultaneously.

1,585,152. OPTICAL PYROMETER. EARL A. KEELER, Philadelphia, Pa., assignor to Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 22, 1923. Serial No. 670,144. 6 Claims. (Cl. 175—183.)

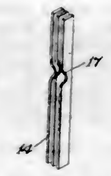
1. In an optical pyrometer system, the combination with a lamp, of a resistor of known resistance, a source of current supplying current to the lamp and the resistor,

and a differential meter having one winding associated with said lamp and a second winding associated with said resistor and adapted to indicate by its deflections the



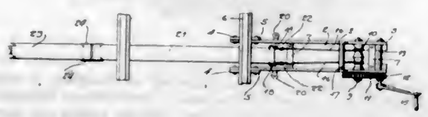
extent of the variations in relative resistance of said resistor and lamp occurring as the lamp temperature is varied.

1,585,153. REED FOR WIRE-MESH MAKING. PETER KELLER, Brooklyn, N. Y. Filed June 4, 1925. Serial No. 34,779. 3 Claims. (Cl. 139—192.)



1. In a reed for crimping the cross strings of a wire mesh, a plurality of spaced-apart blades, said blades permitting insertion of warp strings therebetween, the blades having semi-circular cut-out portions, said cut-out portions being off-set vertically and alternately to produce a series of crimps in the weft in the vertical plane for intimate engagement with the warp wires.

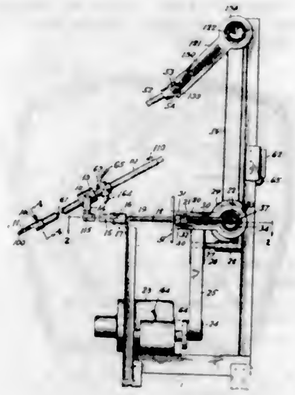
1,585,154. RAILROAD-TIE REMOVER AND REPLACER. GEORGE W. KIMBLE, Seattle, and LAWRENCE WATSON, Seabeck, Wash. Filed Sept. 9, 1925. Serial No. 55,388. 1 Claim. (Cl. 254—43.)



A tie replacing apparatus including a frame, anchoring plates secured at one end thereof and formed with recesses to engage the railroad rail, a drum mounted at the opposite end of the frame, means for operating the drum, and cables wound about the drum with terminal means to engage a tie, and grooved rollers carried by the frame to receive the cables for reversing their effect on the tie in the operation of the drum.

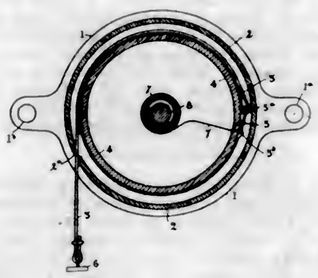
1,585,155. METAL-MIXING MACHINE. JOSEPH H. KONIGSBERG, New York, N. Y. Filed July 21, 1923. Serial No. 652,942. 11 Claims. (Cl. 259—126.)

1. In mechanism of the character described, a stirring rod adjustable in length, a ladle at one extremity of said rod, and means for operating the other end of said rod in a circular path and means operating in a substantially spiral path engaging a portion of said rod



intermediate of said extremities for causing said ladle to stir a mixture by movement thereof along a different path on each revolution.

1,585,156. SHOCK ABSORBER. PIERRE LA FORGE, Paris, France. Filed Aug. 4, 1924. Serial No. 729,879. 5 Claims. (Cl. 267—10.)

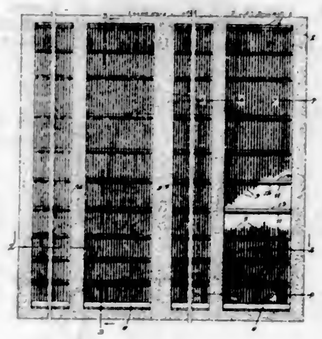


1. A shock absorber comprising in combination with a support, a fixed drum, a flexible member encircling said drum and formed with a running noose, and means for maintaining said noose adhering to said drum irrespective of the position of said flexible member on said drum.

1,585,157. RACK FRAME. WILLIAM S. LEE, Charlotte, N. C., assignor to Realty Investment and Securities Company of Charlotte, Charlotte, N. C., a Corporation of North Carolina. Filed July 8, 1924. Serial No. 724,919. 15 Claims. (Cl. 210—172.)

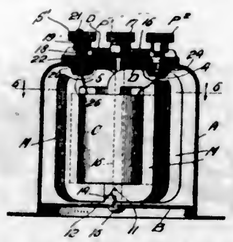
1. A rack of the class described, comprising a plurality of independent bars a plurality of independent means to hold the bars in a common plane, and in spaced

substantially parallel relation, the holding means including means to prevent longitudinal sliding movement of the bars in one direction, and a detachable element



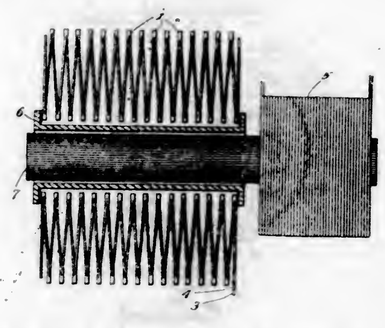
preventing longitudinal movement of the bars in the opposite direction, and permitting when detached independent movement of any selected bar.

1,585,158. RADIOTRANSFORMER. STANLEY D. LIVINGSTON, New York, N. Y., assignor to Eisemann Magneto Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 21, 1922. Serial No. 608,215. 2 Claims. (Cl. 175—361.)



1. In a radiotransformer, a magnetic core consisting of a plurality of spaced flexible sections, each section being composed of a group of magnetic laminæ in the form of substantially rectangular loops, said sections being arranged in approximately radial relation, so that the inner limbs of said groups of laminæ are contiguous to constitute a practically solid central core, each loop being separated at one point only at or near one end of the inner limb thereof, whereby the outer portion of each group of laminæ may be bent laterally to open said group and bent back again into normal position, a coil on said core, said coil being adapted to be inserted on or removed from said core through the opening formed around said core when said groups of laminæ are bent laterally into open position, and a clip provided with flanges for engaging said groups of laminæ at the points of separation and thereby locking the free ends of the laminæ against lateral movement.

1,585,159. THERMAL GENERATOR. CHARLES V. LOGWOOD, Brooklyn, N. Y., assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J., a Corporation of Delaware. Filed Feb. 2, 1924. Serial No. 690,199. 5 Claims. (Cl. 136—4.)



2. A thermal generator comprising a plurality of units adapted to generate current by heating said units, a metallic cylinder arranged adjacent the ends of the said units which are to be heated, and means for heating said cylinder by induction.

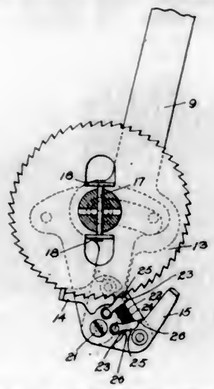
1,585,160. GAME APPARATUS. JOHN B. LOWELL, Bristol, Conn., and ARTHUR V. FRY, Ridgewood, N. J. Filed Oct. 31, 1922. Serial No. 598,083. 3 Claims. (Cl. 208—182.)

1. A device of the character described comprising a shaft, a support for the operator thereon, a ground engaging member at one end of said shaft, a handle at the other end of said shaft, and leg engaging members projecting from said shaft intermediate said support and said handle; said members being transversely curved to conform to the contour of the legs and having extended bearing surfaces arranged at an angle to the longitudinal axis of said shaft, whereby said surfaces longitudinally will be disposed horizontally when the device is in use, substantially as specified.

1,585,161. SPRING MOTOR. FRANK MAGIDSON, Pittsburgh, Pa., assignor to Alexander Murdoch. Filed Dec. 30, 1921. Serial No. 526,011. 13 Claims. (Cl. 185—38.)

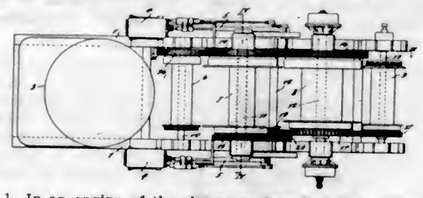
1. The combination in a spring motor of a spring driven ratchet wheel, a pivoted member adapted to be oscillated by rotation of said ratchet wheel, a ratchet engaging

pawl associated with said member so as to impart an impulse thereto in one direction, a second ratchet engaging pawl associated with said member for imparting



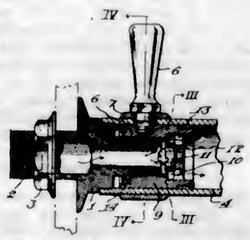
an impulse thereto in the opposite direction, each of said pawls being adapted to momentarily reverse said ratchet wheel upon engagement therewith so as to release the other of said pawls from engagement therewith.

1,585,162. HOISTING AND CONVEYING DEVICE. THOMAS SPENCER MILLER, South Orange, and JOSEPH H. DICKINSON, Montclair, N. J. Filed Aug. 10, 1922. Serial No. 580,837. 5 Claims. (Cl. 254—185.)



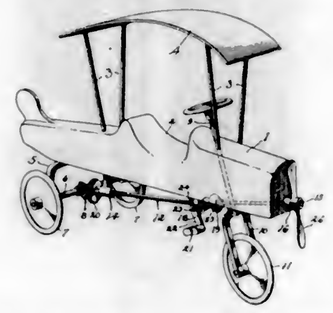
1. In an engine of the character described the combination of a frame, two shafts extending across the frame, a drum slidably mounted on each shaft, a gear loosely mounted on each shaft at each end of each drum, the adjacent gears being constantly connected together and operating at a fixed ratio, the ratios of the gears at the ends of the drums being different and means for moving the drums on their shafts to connect them to the trains of gears and thereby rotate the drums at different ratios.

1,585,163. ROTARY VALVE. WILLIAM B. MILNER, Dunkirk, N. Y. Filed July 8, 1925. Serial No. 42,167. 2 Claims. (Cl. 251—43.)



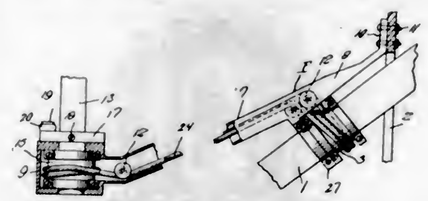
1. A rotary valve, embodying a valve body, a sleeve on said body and in screw-threaded engagement therewith, a valve carried by said sleeve and movable by the rotation of said sleeve into and out of contact with one end of said valve body to open and close a central passage through said valve body, a pipe engaging said valve body and enclosing said sleeve, and a handle for operating said sleeve projecting through an inclosed slot in said pipe.

1,585,164. VELOCIPEDE. GUSTAV A. MOERS, Romeo, Mich. Filed Oct. 8, 1924, Serial No. 742,350. Renewed Oct. 9, 1925. 3 Claims. (Cl. 208—42.)



1. A velocipede for children, comprising a wheeled vehicle having a body shaped to simulate the fuselage of an aeroplane and a two-part shaft extending thereunder, pedal mechanism operating both parts of said shaft, means gearing one of said parts to the rear wheels of the velocipede, and a propeller at the forward end of the other of said parts.

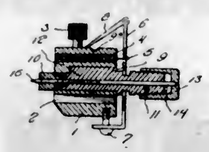
1,585,165. OPERATING MECHANISM FOR DIRIGIBLE-HEADLIGHT CONSTRUCTION. FRED M. NASH, Presidio, San Francisco, Calif. Filed Sept. 1, 1925. Serial No. 53,873. 1 Claim. (Cl. 240—62.)



An operating mechanism for dirigible headlights comprising, in combination, a pulley formed in two parts and clamped about a steering post, a second pulley of similar construction clamped about a rotatable light bracket, a frame including an intermediate tubular portion, a hood at one end, and a casing at the other end, said casing receiving the second pulley and the bottom end of the bracket, means for mounting the hood on a dash board, sheaves journaled in the frame, a cable partially wound about the pulleys and trained over said sheaves, a second light bracket, a pair of rings, one fixed to each light bracket, lugs projecting from said rings, an adjustable connecting rod having a turn buckle therein and eye terminals for receiving the lugs.

1,585,166. TYPEWRITER ATTACHMENT. FRED M. NASH, Presidio, San Francisco, Calif. Filed Sept. 24, 1925. Serial No. 58,314. 4 Claims. (Cl. 197—113.)

1. In an attachment for a typewriter, a mounting block, a hollow guide carried by said block, a follower rod slidable in said guide, a finger piece carried by said rod, a flat spring connected at one end to said



block, and having its intermediate portion cooperative with said finger piece for yieldably exerting an inward pressure upon said rod.

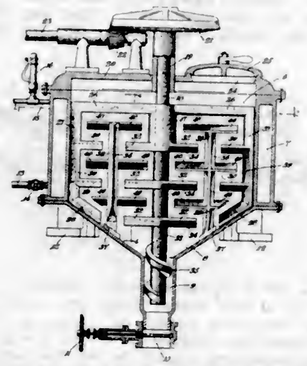
1,585,167. GRAVITY LATCH. CHARLES G. PALMER, Newark, N. J. Filed Aug. 15, 1925. Serial No. 50,361. 7 Claims. (Cl. 292—21.)

1. A gravity latch comprising, the combination with a door and its frame, of keepers fixed in said frame at the top and bottom of the door, casings on said door having their bases disposed at the upper and lower edges of the door to register with the keepers, latch bolts pivoted in said casings to swing into and out of said keepers, rods connecting said bolts whereby said bolts are moved in unison in opposite directions, a bracket on said door into which the adjacent ends of said rods extend, and a forked lever pivoted in said bracket engaging one of said rods, said lever extending outwardly for manual operation.

1,585,168. MILK-BOTTLE CAP. CHRISTIAN P. PAULSEN, Seattle, Wash. Filed June 29, 1925. Serial No. 40,264. 1 Claim. (Cl. 215—38.)

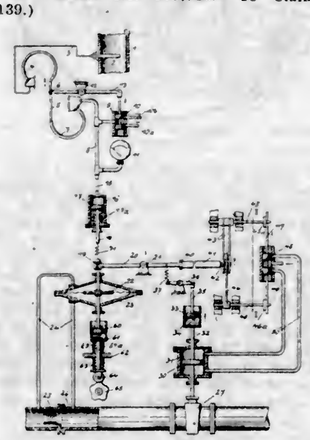
A milk bottle cap, having a stiff body portion of hard rubber, and a reduced comparatively thin flexible marginal portion of soft rubber having a semi-integral fused joint connection with said body portion and forming therewith a substantially unitary whole having upper and lower smooth surfaces.

1,585,169. MIXING KETTLE. JAMES G. B. PERKINS and EDWARD F. GOULD, Lansdale, Pa., assignors, by mesne assignments, to Perkins Glue Company, a Corporation of Delaware. Filed Oct. 26, 1923. Serial No. 671,036. 13 Claims. (Cl. 259—43.)



1. A mixing kettle for viscous or heavy materials comprising a container, a rotatable stirrer member having arm portions traveling adjacent and over the major portion of the container side walls and over a portion of the bottom for scraping material therefrom, stirrer means fixed in respect to the container walls in a position permitting free rotation of said rotatable stirrer member and to cooperate therewith to mix the material, and a cover for the container comprising an end wall thereof which is removable independently of said fixed and rotatable stirrer means.

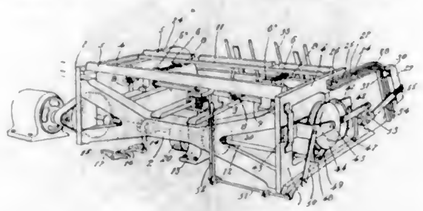
1,585,170. BALANCED SYSTEM OF CONTROL. ERICH ROUČKA, Blansko, Czechoslovakia. Filed July 17, 1922. Serial No. 575,744. 18 Claims. (Cl. 137—139.)



3. A system of the class described for varying or controlling a condition in accordance with a variable fluid condition, comprising means sensitive to variations in the fluid condition and to variations in the condition to be controlled so that said conditions balance each other, a member movable by cooperation of said variable fluid condition and said condition to be controlled in said sensitive means upon departures from balance therein, means for varying said condition to be

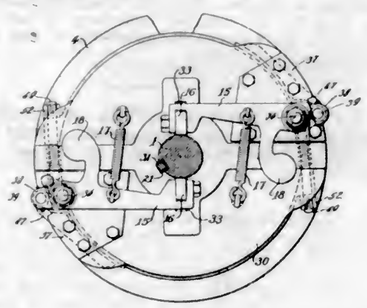
controlled, and a means periodically actuated by auxiliary power to cooperate with said movable member to actuate said means for varying said condition to be controlled.

1,585,171. DOOR - CLAMPING MACHINE. EDWARD SATZGER, Sr., Cincinnati, Ohio. Filed Aug. 15, 1924. Serial No. 732,273. 13 Claims. (Cl. 144—291.)



1. In a device of the character described, the combination of a door clamp, means for operating said clamp, an assembling support for a door, a carrier for a door, means for swinging the carrier through an arc from the assembling support to the door clamp, and means for stripping the door from the carrier, so as to leave it within the clamp.

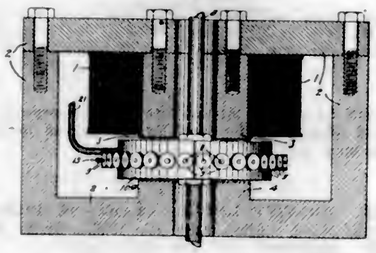
1,585,172. CLUTCH. GORDON SAUNDERS, Whittier, Calif. Filed Jan. 9, 1922. Serial No. 527,984. 6 Claims. (Cl. 192—80.)



1. In a device of the class described, a shaft, a driving member carried thereby, a driven clutch-drum, a clutch-band mounted to cooperate with the drum, a shackle having a rock-shaft, an arm attached to the rock-shaft and extending inwardly toward the shaft, means for attaching the live end of the clutch-band to the shackle at the side of the rock-shaft remote from the shaft, means for attaching the dead end of the clutch-band to the shackle between the point of attachment of the said live end and the drum, and a spring cooperating with the last named attaching means at the dead end of the band for normally holding the clutch-band off of the drum, and means for moving the arm to actuate the shackle and tighten the clutch-band on the drum.

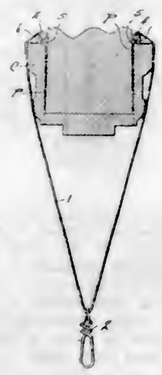
1,585,173. CONVERTER OF ELECTRIC CURRENTS. FREDERICK GRANT SIMPSON, Seattle, Wash. Filed Jan. 3, 1922. Serial No. 526,649. 4 Claims. (Cl. 175—363.)

1. A device for producing periodic pulsations of variable frequency in a current in a circuit, embodying an electrode of one polarity, a plurality of electrodes of opposite polarity arranged in spaced apart continuous relation around said first named electrode means for producing an electric arc between said first named electrode and said last named electrodes, means for producing a magnetic field at substantially right angles to



said electric arc to move said electric arc successively from one to another of said last named electrodes and means for adjusting the distance between said electrodes to thereby vary the frequency of said periodic pulsations.

1,585,174. HANGER. MARTHINE SMETTE, Upham, N. Dak. Filed May 16, 1925. Serial No. 30,798. 1 Claim. (Cl. 155—58.)

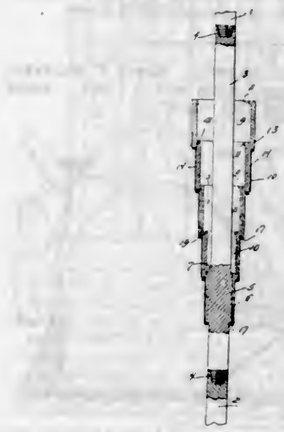


A hanging device comprising a flat plate constructed of a single piece of metal, one end portion of the plate being insertible between the casing of a wall opening and the wall, the opposite end portion of the plate being return-bent to provide a barrel, a portion of the plate adjacent the returned end portion being cut to provide a tongue, said tongue being bent into contact with the barrel to provide an opening in the plate.

1,585,175. PUMP. CHARLES H. STEELE, Fort Worth, Tex. Filed Feb. 27, 1925. Serial No. 12,113. 1 Claim. (Cl. 286—29.)

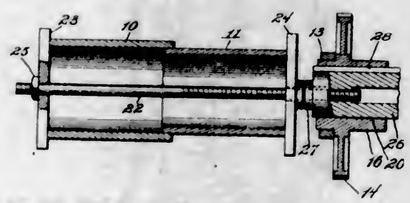
In a device of the class described, a rod, a cylindrical enlargement on the rod, a plurality of telescopically associated cylinders, the smallest cylinder being slidable on the enlarged cylindrical portion, means limiting the sliding movement of the cylinders in relation to each other and the smallest cylinder in relation to the

cylindrical enlargement of the rod, the largest cylinder adapted to be fixed to a well casing, and a tapered sack of pliable water proof material fixed at its smaller end



to one end of the cylindrical enlargement, at its larger end to the corresponding end of the largest cylinder, and at its intermediate portions to corresponding ends of the other cylinders.

1,585,176. BUSHING REPLACER. ROY W. STUMBAUGH, Hagerstown, Md. Filed Sept. 26, 1925. Serial No. 58,782. 2 Claims. (Cl. 29—88.2.)



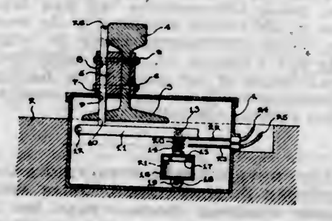
1. In a device for replacing cylinder bushings and the like and in combination with a rotatable member having an opening therethrough, a nut splined in the opening of the rotatable member, a bar threaded through said nut, a pair of blocks upon said bar and means for holding one of the blocks against movement.

1,585,177. ADJUSTABLE CLOTHESLINE PROP. LILLIAN E. WENTWORTH, Rockport, Me. Filed Dec. 28, 1921. Serial No. 525,450. 2 Claims. (Cl. 68—12.)

1. A portable clothes line prop comprising, in combination, a main support, an extension support slidably engaged therewith, means carried by said supports for holding the same against relative movement, an auxiliary support hingedly connected to the inner end portion of the extension support and having a beveled end conformingly engaging against the extension support when the auxiliary support is swung outwardly, a brace pivotally connected with the outer end portion of the auxiliary support, the outer end portion of the extension support having an outstanding lug, said brace having a

hook engageable with the lug to hold the auxiliary support in its outward position, the outer extremities of both the extension support and the auxiliary support being provided with line engaging means.

1,585,178. TRAIN-OPERATED ELECTRIC SWITCH. JOHN K. WEST, Detroit, Minn. Original application filed May 11, 1925, Serial No. 29,527. Divided and this application filed Oct. 17, 1925. Serial No. 63,076. 1 Claim. (Cl. 246—246.)

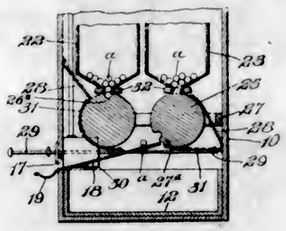


In a device of the character described, a switch comprising a case, a vertically-swingable arm supported in said case, spring means tending to hold said arm substantially horizontal, an actuating rod having guided movement and adapted to be actuated by the flange of a wheel traversing the track rail adjacent to said case for swinging said arm downward, and a pair of contacts associated with said arm, one of said contacts being adapted to be engaged by said arm and to be moved relatively to the other contact on the downward movement of said arm, a cylinder positioned below said arm, a piston connected with said arm to move with the latter in said cylinder, said piston having a vertical opening therein, and an upwardly opening check valve for controlling the said opening in the piston.

1,585,179. PENCIL-VENDING MACHINE. JOHN W. WHIPPLE, Cushing, Okla., assignor of one-half to Joseph V. Bailey, Cushing, Okla. Filed Feb. 19, 1925. Serial No. 10,352. 5 Claims. (Cl. 211—8.)

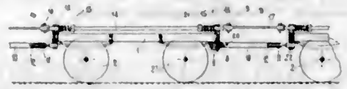
1. A pencil vending machine comprising a casing having a discharge slot, a coin receiving slot, a magazine mounted within the casing and having a hopper-shaped bottom defining a longitudinally extending discharge slot, a roller disposed within the casing below the magazine and having a groove adapted to align with said slot, means for actuating the roller including a

plunger, a flexible connection attached to the plunger and to the roller and adapted thereby to cause the rotation of the roller when the plunger is forced inward to thereby carry the slot of the roller from a



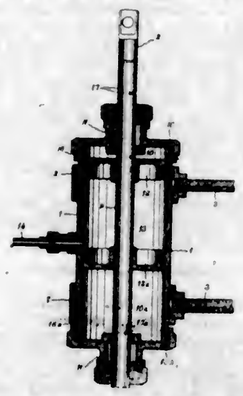
receiving to a discharge position to discharge the pencil therefrom, a spring acting to return the roller to its initial position, and a chute receiving the pencil when it is discharged from the roller and discharging it through the discharge slot of the casing.

1,585,180. TRAILER. ACHILLE ARATO, Turin, Italy. Filed May 20, 1925. Serial No. 31,628. 4 Claims. (Cl. 280—33.55.)



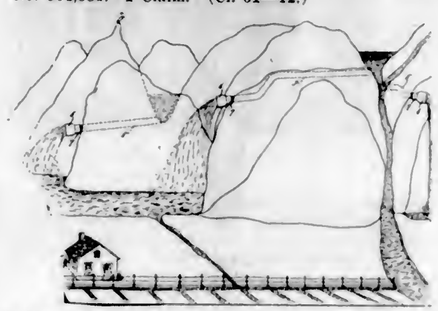
1. In a trailer vehicle train wherein the trailer vehicle has a steering gear controlled by the trailing vehicle, a draw bar longitudinally movable in the frame of each vehicle, means interconnecting the draw bars of the vehicles, a pole member articulated to the steering gear of the trailer, and engaging means for coupling said member with a point of the central longitudinal axis of the rear portion of the frame of the trailing vehicle, said means providing an articulation about a vertical axis and allowing longitudinal play.

1,585,181. DEVICE FOR MAINTAINING A CONSTANT PRESSURE IN CONTAINERS. JULES AXEL RUTGER BENNET, Stockholm, Sweden. Filed Dec. 31, 1925. Serial No. 78,655. 4 Claims. (Cl. 230—27.)



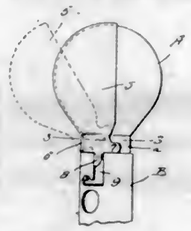
1. A device for maintaining a constant pressure in a container comprising a pump cylinder in communication with said container, piston means within said cylinder and fixed to a piston rod, driving means connected to and causing reciprocal motion of the piston rod and the piston means, channel means adapted to bring the spaces on both sides of the piston means in communication with each other when the piston means is near the one end position of its stroke and apertured means adapted to bring the space at the one side of the piston means in communication with the atmosphere when the piston means is near the other end position of its stroke.

1,585,182. WATERING SYSTEM. EDWIN V. BLANKENSHIP, Bozeman, Mont. Filed Oct. 1, 1921. Serial No. 504,581. 1 Claim. (Cl. 61—12.)



A system of conserving water in elevated streams, consisting in conveying water from the elevated streams to an elevated point, breaking the water into a fine spray discharging the spray into a cold atmosphere to cause a rapid freezing of the spray, and the final disposition of the same into a reservoir.

1,585,183. HEADLIGHT-BULB SHADE. ARTHUR BURTON, Winslow, Ariz. Filed Jan. 8, 1926. Serial No. 80,058. 2 Claims. (Cl. 240—48.6.)

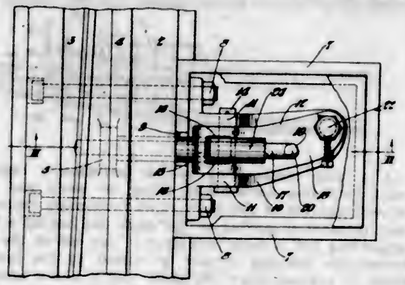


1. In combination with a headlight bulb and its receiving socket that is provided at opposite sides with bayonet slots for receiving the usual pins of the bulb plug, a metallic semi-bulbous shaped member adapted for engagement over the top side of the headlight bulb, means at the inner end of said bulbous shaped member for engaging the exposed portion of the bulb plug for securing the shade upon the bulb and means at one point of the inner end of the semi-bulbous shaped member for engaging within one of the lamp socket slots for preventing the turning of the shade upon the lamp bulb.

1,585,184. ARTIFICIAL STONE AND METHOD OF MAKING THE SAME. CHARLES F. CHRISTIAN, Waldport, Oreg., assignor to Argus Products Company, Portland, Oreg., a Corporation of Oregon. Filed Jan. 3, 1924, Serial No. 684,259. Renewed Mar. 13, 1926. 10 Claims. (Cl. 18—47.5.)

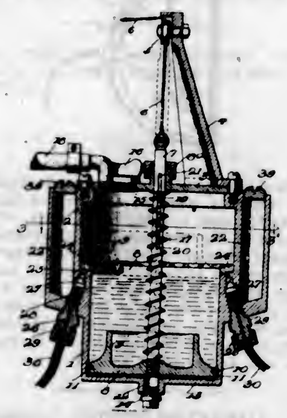
1. An artificial stone of the character described including a finely comminuted base, lime, magnesite, sulphur, and magnesium chloride.

1,585,185. SWITCH. CHARLES W. COLLINS, Greenwich, N. Y. Filed Feb. 16, 1926. Serial No. 88,637. 7 Claims. (Cl. 246—443.)



1. A tongue switch comprising a switch body, a tongue mounted in a suitable groove in said body, a lug projecting downwardly intermediate the ends of said tongue, a box secured to one side of said switch body, said switch body and said box being apertured to form a connecting passage, a holding rod engaged with said lug and extending into said box, and means for holding said rod against upward movement.

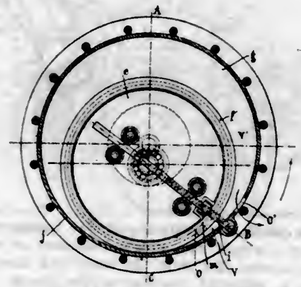
1,585,186. LUBRICANT DISTRIBUTOR. CLARENCE CULLEN CRISPEN, Harrisburg, Pa. Filed June 24, 1924. Serial No. 722,169. 9 Claims. (Cl. 184—7.)



1 A lubricant distributor for the bearings in the chassis of a vehicle comprising a cylinder provided with lubricating oil, a plurality of oil pockets formed upon the interior wall of the cylinder, a piston in the cylinder for elevating the oil for filling the oil pockets, and conduits connected with the oil pockets and directed to the various bearings of the chassis for conducting oil from the pockets to said bearings, and means for connecting a source of compressed air with the conduits for forcing the oil through said conduits.

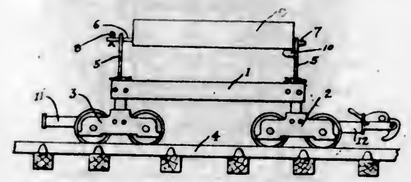
1,585,187. ROTARY PUMP. CLAUDE MARIUS DREVET, Paris, France. Filed Feb. 12, 1923. Serial No. 618,698. 1 Claim. (Cl. 103—121.)

In a rotary pump, a cylinder mounted for rotation and having ducts at one side at the center and a peripheral port; a smaller cylinder eccentrically arranged in the first-named cylinder, having a fixed axis of rotation and further provided with a peripheral port, said cylinders being in mutual peripheral contact at one point, and a radially arranged pallet, lying in a plane extending through the center of the inner cylinder, slidable through



the periphery of said inner cylinder, of such length as to extend also through the center of the inner cylinder and at its outer end pivotally mounted in the periphery of the first named cylinder.

1,585,188. TOY DUMP CAR. MILTON S. DUNKELBERGER, Dayton, Ohio. Filed Mar. 2, 1925. Serial No. 12,607. 2 Claims. (Cl. 105—270.)

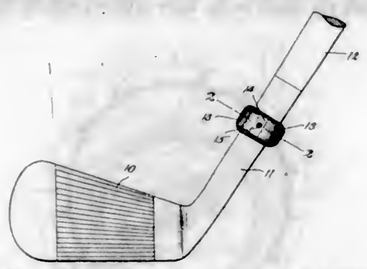


1. A toy dump car comprising a frame and supporting wheels therefor, supporting members projecting upwardly from the front and rear ends of the frame, a horizontal shaft supported by said upwardly projecting members, sustaining means on one of said members, a dump body tiltably and slidably mounted upon said shaft and adapted at one end for engagement with said sustaining means, and free to be disengaged therefrom when the car is bumped, for the purpose specified.

1,585,189. GREASE RETAINER FOR AUTOMOBILE REAR AXLES. JOHN W. EMERSON, Lewiston, Idaho. Filed Nov. 19, 1924. Serial No. 750,874. 1 Claim. (Cl. 286—7.)

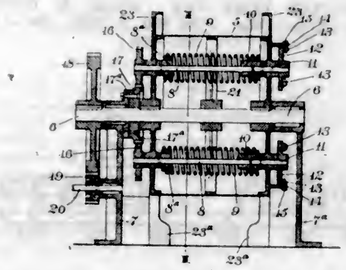
A lubricant retainer of the character described for the rear axle of an automobile comprising a tube adapted to go over the axle within the axle housing, said tube being provided at one end with a cup shaped flange embracing the inner end of the roller bearing outer shell and provided at its other end with a flexible boot yieldingly embracing the axle, said boot being stitched at one end to the tube and provided with contacting means at the other end.

1,585,190. ATTACHMENT FOR GOLF CLUBS. ALLAN C. GIRDWOOD, Baltimore, Md. Filed Mar. 19, 1926. Serial No. 95,871. 3 Claims. (Cl. 273—80.)



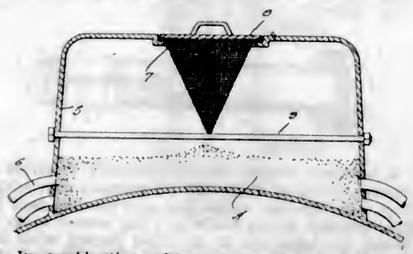
1. The combination with a golf club having a head and shank; of a weight ring slidably mounted on said shank to move toward and from the head, and means to hold the ring in adjusted position on the shank.

1,585,191. WINDING AND COUNTERBALANCING MECHANISM FOR CURTAINS. RALPH H. GREGOR, Columbus, Ohio, assignor to The Kinnear Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed June 27, 1924. Serial No. 722,669. 15 Claims. (Cl. 189—57.)



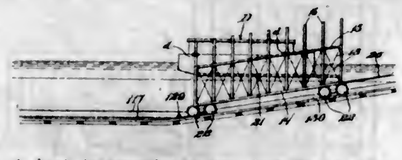
1. A counterbalancing mechanism for a curtain winding drum having a turning means and a fixed supporting frame, said counterbalancing mechanism including a spur gear mounted on the drum on an axis parallel and eccentric to the axis of the drum, a coil spring within the drum connected at one end with the drum and at its other end to be wound and unwound by said spur gear and means for turning said spur gear when the drum is turned to wind and unwind the spring when the curtain is unwound and wound respectively.

1,585,192. SAND-DOME FILTER. FRANCIS L. GREEN, Casper, Wyo. Filed Jan. 4, 1926. Serial No. 79,120. 2 Claims. (Cl. 291—48.)



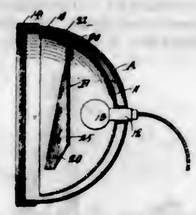
1. In combination with a locomotive sand dome, a filtering screen receptacle adapted to be disposed within the delivery opening of the dome and to be retained therein by the closing lid for said delivery opening.

1,585,193. BOAT-TRANSPORTING APPARATUS. JOHANN JURGEN RICHARD HAALCK, Bakersfield, Calif. Filed Mar. 19, 1925. Serial No. 16,853. 7 Claims. (Cl. 61—67.)



3. A boat transporting system including a basin, a track extending horizontally along the basin and then upward and out of the basin at an inclination thereto, a boat transporter moving on the track and having a boat-supporting bed, a cable connected to one end of the boat transporter whereby it may be hauled up the inclined track or lowered down the same, and a power operated puller operating on the horizontal portion of the track and adapted to haul the transporter along the horizontal portion of the track away from the inclined portion thereof.

1,585,194. HEADLIGHT GLARESHIELD. CLAY H. HOFFMAN, Portsmouth, Ohio, assignor of one-third each to John E. Fritz and William E. Crichton, Portsmouth, Ohio. Filed Sept. 21, 1925. Serial No. 57,769. 4 Claims. (Cl. 240—48.2.)

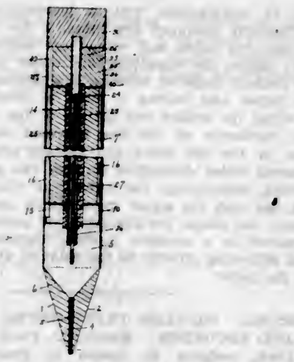


1. The combination with an automobile headlight embodying a casing, a reflector, a source of light carried by the reflector and a front glass plate, of an anti-glare attachment for the headlight comprising a plate of translucent colored material having oppositely inclined sides, means securing the plate to the reflector intermediate the source of light and front glass plate, the shield plate terminating below the source of light and having the sides cut inwardly to permit the rays of light to be cast downward directly in front of the headlights and at the sides thereof.

1,585,195. LIFE-SAVING DEVICE. GEORGE JORDAN, Chilliwack, British Columbia, Canada. Filed Feb. 18, 1925. Serial No. 10,024. 1 Claim. (Cl. 227—28.)

In a life saving device of the class described, in combination, a suspension hook adapted to be engaged with a relatively stationary support, a flexible friction tape connected at its upper end to said hook, a braking device adapted for sliding movement upon the intermediate portion of said tape, said device comprising a substantially U-shaped member, the side portions of which are widened considerably at their free ends to provide bar supporting plates, a plurality of friction bars fixedly mounted between said plates, there being four bars, all of which are cylindrical in cross section and disposed in horizontal planes, two of said bars being disposed at vertically spaced superposed points at the central portions of the plates, the remaining two bars being located opposite each other and on a plane between said first-named bars, the free end portion of the tape being reeved beneath the lowermost one of the superposed bars, being passed over the upper one of said superposed bars, being then directed downwardly and around the first-named bar again, over one of the two remaining bars, then beneath the first-named bar again and finally over the remaining one of the said remaining two bars in a manner to cause several plies of the stretches to lie in frictional contact with each other beneath the first-named bar, and a carrier-seat attached to the bight portion of said U-shaped member.

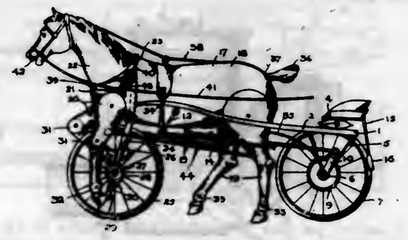
1,585,196. PENCIL. REUBEN KAUFMAN, Utica, N. Y. Filed June 13, 1922. Serial No. 567,904. 6 Claims. (Cl. 120—18.)



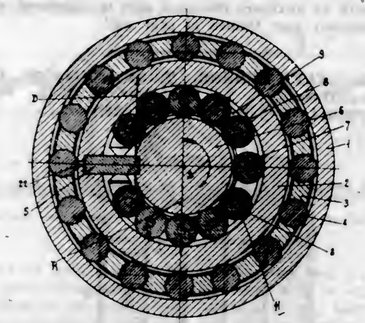
1. In a pencil, a barrel for containing a plurality of leads, a revolvable member for disposing said leads in operating position, a cap permitting said leads to be fed from the barrel to said member, said member having a conical surface, whereby to direct said leads to operating position, and a rod located within said barrel for pushing said leads towards said operative position.

1,585,197. MECHANICAL TOY. JOHN MARCOUX, Sapperton, British Columbia, Canada. Filed Sept. 4, 1925. Serial No. 54,516. 8 Claims. (Cl. 208—42.)

1. A mechanical toy comprising a horse mounted upon a steering wheel and a sulky mounted upon road wheels, means for imparting rotation to the wheels of the sulky, shafts to the sulky between which the horse's body is pivotally mounted intermediate its length and a resilient support for the rear portion of the horse.

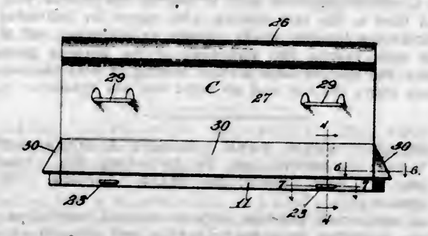


1,585,198. PLANETARY GEAR. RAFFAELE MATTEUCCI, Turin, Italy. Filed Oct. 23, 1924. Serial No. 745,498. 5 Claims. (Cl. 74—34.)



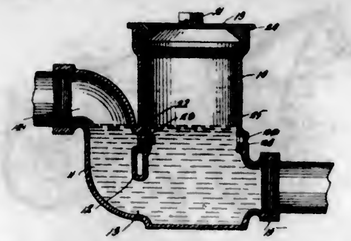
1. In a planetary gear comprising an outer ring member, a concentric inner expansible member, a member supporting said expansible member and drive transmission satellite rollers intermediate and contacting said ring and expansible members: resilient members intermediate said expansible member and supporting member forcing said expansible member and satellite drive rollers on said outer ring member.

1,585,199. BURIAL VAULT. JOHN C. MILLER, Muscatine, Iowa. Filed Nov. 12, 1925. Serial No. 68,667. 10 Claims. (Cl. 27—35.)



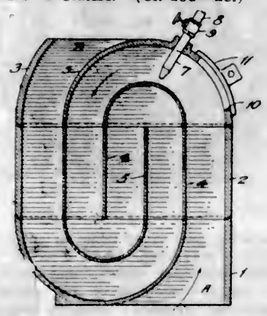
1. In a sheet metal burial vault, a tray, a cover therefor, the tray comprising a base plate, a hollow rectangular supporting frame for the base plate, a continuous ogee molding connecting said frame and base plate, an apron on said cover and a coacting ogee molding upon the under surface of said apron adapted to interdigitate with the molding of the tray.

1,585,200. TRAP. WALTER L. NINOW, Chilton, Wis. Filed Sept. 23, 1925. Serial No. 58,188. 2 Claims. (Cl. 182—7.)



1. A trap of the class described comprising a body provided with an inlet opening and an outlet opening, a vertically extending wall interposed between the inlet and outlet opening, the outlet opening being placed above the inlet opening, said wall being provided with a clean-out port, a plug for normally closing said clean-out port, and the outer casing of said trap being provided with an auxiliary clean-out port in alignment with said clean-out port formed in said wall.

1,585,201. FUEL BURNER. TOIMI A. NISSINEN, Hastings-on-Hudson, N. Y. Filed Mar. 27, 1923. Serial No. 628,014. 5 Claims. (Cl. 158—28.)



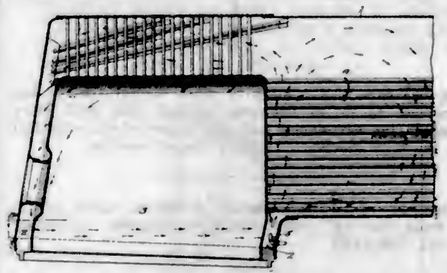
1. A liquid fuel burner comprising a hollow body of refractory material partitioned to provide a continuous relatively long tortuous passage with an air entrance opening in the bottom wall and an exit opening in another wall, the passage extending from the air entrance opening upwardly to the top end, then downwardly to within a short distance of the bottom end, then back between and along the first two stretches in a reverse direction until it reaches the bottom wall, and then to the exit opening, and means for delivering fuel to the interior of the passage at the upper end of the first stretch, the movement of the burning gases along the doubled back section serving to heat the sections where the fuel and air enter and are mixed.

1,585,202. SEPTIC TANK. CHARLES J. O'HARE and ROBERT G. MCWILLIAMS, St. Petersburg, Fla. Filed Mar. 17, 1925. Serial No. 16,187. 1 Claim. (Cl. 210—6.)

A septic tank provided with an internal vertical partition extending from top to bottom and disposed at a point between the center and one side to provide relatively large and small compartments, said partition being provided with a central opening affording a passage between said compartments, intake and discharge openings formed in substantially diametrically opposed sides of the tank at points just above the normal fluid level and adjacent said partition, the intake opening being arranged on one side of the partition, and the outlet opening being arranged on the opposite side of that partition, and a pair of open ended substantially arcuate shields of duplicate design formed integral with the

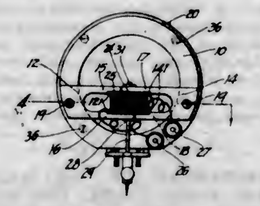
wall of the tank and said partition, said shields being cooperative with the respective openings and being located on opposite sides of the partition, having their upper ends extending above the normal fluid level and their lower ends extending below said level.

1,585,203. METHOD OF MAINTAINING CIRCULATION IN BOILERS. SPENCER OTIS, Chicago, Ill. Filed Aug. 22, 1922. Serial No. 583,595. 3 Claims. (Cl. 122—5.5.)



2. In combination with a locomotive boiler having horizontally arranged fire tubes, a fire box at one end of said fire tubes and water legs surrounding the fire box; means for supplying air under pressure and an air conduit supplied thereby, discharging upwardly into the boiler and having a locus of discharge restricted to about the middle and bottom of the water leg which lies forwardly of the fire box and beneath the rear ends of the fire tubes and thereby adapted to induce internal boiler circulation through two general paths involving respectively, the water legs which surround the fire box and the water space which surrounds the fire tubes; the means for supplying air under pressure being actuated by a pressure medium supplied by the boiler and delivering directly to the point of air discharge within the boiler.

1,585,204. IMPULSE TRANSMITTER, REPRODUCER, AND RECORDER. WEHELI D. PACK, Salt Lake City, Utah, assignor to Joseph N. Pepin, Chicago, Ill. Filed Apr. 23, 1924. Serial No. 708,562. 6 Claims. (Cl. 179—100.1.)

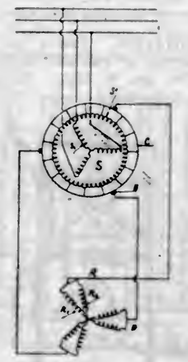


1. The combination with a reproducer having a stylus bar and a body ring, of a permanent magnet disposed in proximity thereto, and following substantially the contour thereof, pole pieces attached to the permanent magnet, a coil disposed between the said pole pieces and an armature passing through the said coil, the said armature forming a part of the said stylus bar.

1,585,205. SUSPENDER. HARRY J. PENN, Madison, N. C. Filed Oct. 27, 1922. Serial No. 597,329. 1 Claim. (Cl. 241—19.)

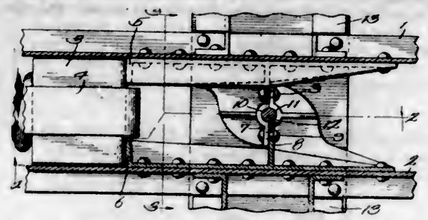
In a pair of suspenders, a loop-shaped holder, a loop slidable in the holder, compression springs receiving the loop, independent resilient tubular members mounted on the loop and interposed wholly between the lower ends of the springs and the lower portion of the holder, and a resilient tubular member mounted on the loop and interposed between the upper ends of the springs, all of said tubular members being of such diameter that by them the holder is spaced from the springs.

1,585,206. ASYNCHRONOUS MOTOR. JOSEPH PERRET, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme, Paris, France. Filed Dec. 8, 1924. Serial No. 754,539. 6 Claims. (Cl. 172—280.)



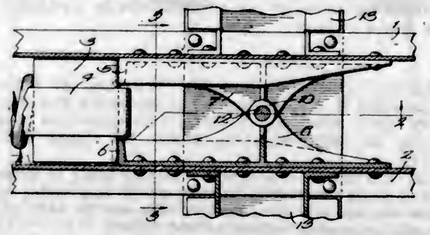
1. An asynchronous electric motor, comprising stator and rotor members, two windings on each of said members, a commutator, and brushes revolving relatively to said commutator, one of the two windings upon one of said members being constituted by an auxiliary commutator winding, and the two windings upon the other of said members being arranged in double parallel displaced by an angle less than 180 electrical degrees and having their junction points connected to said brushes.

1,585,207. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed July 26, 1924. Serial No. 728,362. 8 Claims. (Cl. 213—57.)



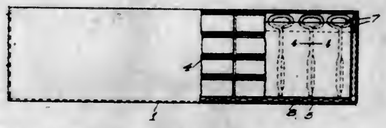
8. As an article of manufacture, a stop lug for use in car draft gears, comprising a member of less width than the distance between a pair of draft sills and being adapted to be secured lengthwise to one of the latter, and having a king pin receiving formation extending at right angles to the lengthwise direction of the lug.

1,585,208. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed Mar. 14, 1925. Serial No. 15,623. 5 Claims. (Cl. 213—57.)



5. As an article of manufacture, a stop lug for car draft gears, comprising a member adapted to be secured lengthwise to one of a pair of draft sills, and having a lateral extension shorter than the distance between said sills provided with a king pin receiving opening.

1,585,209. SARDINE DISPLAY CARTON AND CONTAINER. WALTER W. ROBERTS, CHARLES R. ROBINSON, and HARRY W. HOPKINS, San Diego, Calif. Filed Feb. 1, 1922. Serial No. 533,251. 6 Claims. (Cl. 229—6.)

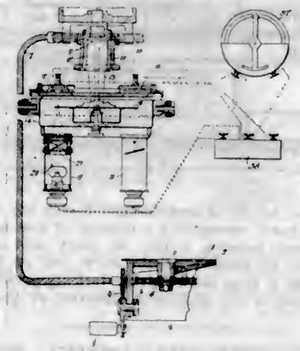


1. In a carton for packing and displaying key-opening canned goods, a paper board wall and a reinforcing of conventional can-opening keys positioned vertically in said wall.

1,585,210. NAVIGATION APPARATUS. MAX ROUX, Berlin-Friedenau, Germany. Filed Feb. 8, 1921. Serial No. 443,450. 5 Claims. (Cl. 33—204.)

1. In a navigation apparatus for air craft, the combination with a compass casing, of a fixed support, means by which the compass casing is rotatably mounted on the support, an indicating device having an electrically operable pointer, the compass casing containing two sources of light and two selenium cells, said cells being arranged to receive light from said sources, and a magnetic direction indicating plate, said plate being arranged between said sources of light and the selenium cells and having an incision extending over one-half of its circular periph-

ery, electrical conductors connecting said selenium cells with the indicating device, an electric source for passing current through one or the other of the selenium cells to the indicating device whereby to actuate the elec-

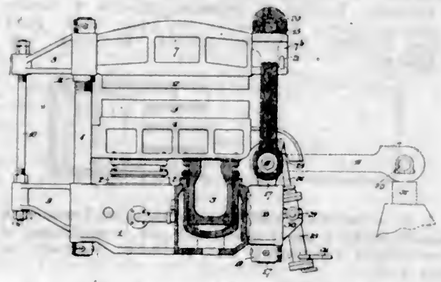


trically operable pointer on said indicating device, when the displacement of the said indicating plate causes the illumination of one of the selenium cells by corresponding source of light.

1,585,211. TANNING LIQUOR. CHARLES E. RUDD, Asheville, N. C. Continuation of application filed Mar. 29, 1922, Serial No. 547,822. This application filed Aug. 25, 1925. Serial No. 52,469. 16 Claims. (Cl. 149—4.)

16. The method of preparing a tanning liquor by blending together extracts containing tannin and adding to such mixture 2 to 12 pounds of soda ash for each 100 pounds of tanning content in said extract.

1,585,212. BENDING PRESS. FREDERICK GEORGE SCHRANZ, Philadelphia, Pa., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1924. Serial No. 697,399. 6 Claims. (Cl. 153—18.)

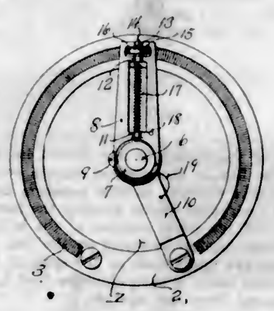


1. In a bending press, the combination of a base, a cylinder disposed therein, a ram adapted to said cylinder, a horizontally disposed movable bed plate connected to said ram, vertically disposed columns at one end of the press for guiding said bed plate, a horizontal cross-head carried by the upper ends of said columns, means for normally holding said cross-head in horizontal position, a link pivotally connected to the base opposite said columns with its upper end in operative engagement with said cross-head whereby the latter is held against deflection when the work is brought into contact therewith by the movable bed plate, and fluid-operated means for raising and lowering said link into and out of operative engagement with the cross-head.

1,585,213. AUTOMOBILE BUMPER. JAMES W. SUPORTER, Chicago, Ill., assignor to Volator Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1924. Serial No. 717,205. 3 Claims. (Cl. 293—55.)

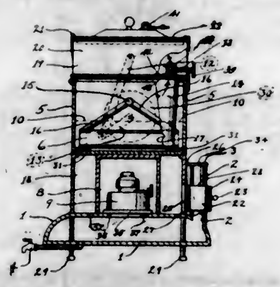
1. A spring bumper for automobiles, comprising transverse bumper bars, and a spring brace attachable to a forward part of the car and having its ends bowed forwardly to points of attachment to said bumper bars, said bars being slightly bowed intermediate said points of attachment and the bowed ends of said brace being adapted to be flexed first rearwardly and then forwardly under stress upon the bumper bars.

1,585,214. RHEOSTAT ARM. MARIAN A. SZUKALSKI and MARIAN F. SZUKALSKI, Jr., Milwaukee, Wis. Filed Mar. 26, 1925. Serial No. 18,417. 3 Claims. (Cl. 201—55.)



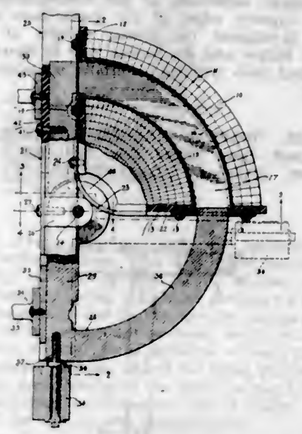
1. A rheostat arm comprising an elongated member adapted to be connected to a spindle, a shaft mounted axially of said arm and extending along said arm, a contact roller rigidly mounted upon said shaft adjacent its outer end, a helical spring loosely surrounding said shaft and having one end rigidly secured thereto and its other end rigidly secured to said arm.

1,585,215. STERILIZER. LEWIS A. TAYLOR, Cole Camp, Mo., assignor of one-half to J. H. Hull, Cole Camp, Mo. Filed Oct. 5, 1922. Serial No. 592,512. 2 Claims. (Cl. 167—3.)



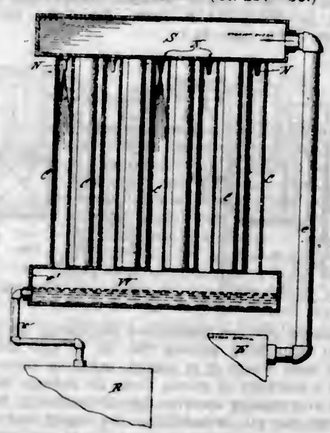
2. A sterilizing device presenting a heating compartment, a heater therein, a water compartment below and adjacent to the heating compartment, a water compartment above the heating comparment and having its bottom subjected to the direct action of the heater whereby the water contained therein is heated to a higher temperature than the water in the lower compartment, an instrument-supporting tray submerged in the water of the said upper compartment, and a lid closing the said upper compartment and having a hollow interior provided with a steam inlet in communication with said upper compartment and presenting a dry sterilizing compartment.

1,585,216. ELECTROMAGNETIC RESPONSIVE DEVICE. ROBERT G. TUGENDHAT, Saginaw, Mich., assignor to Baker-Perkins Company, Inc., White Plains, N. Y. Filed Jan. 2, 1924. Serial No. 684,098. 6 Claims. (Cl. 175—341.)



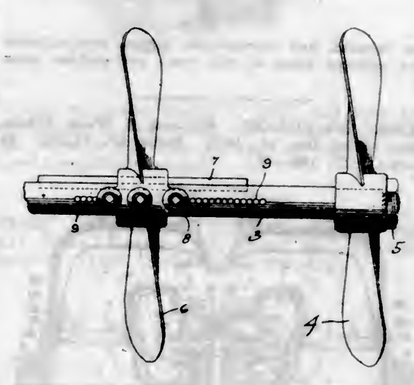
1. In combination an arcuately extending solenoid having an arcuate passage therethrough, a magnetic armature comprising a radial arm pivoted at the center of the solenoid and an arcuate arm adapted to enter said passage and of approximately the same length as the passage, and a secondary armature of magnetic material extending radially from one end of the solenoid passage to the center thereof, the two armatures cooperating to form a substantially uninterrupted magnetic path for the solenoid when energized.

1,585,217. STEAM-CONDENSING MEANS. CHARLES UEBELMESSER, New York, N. Y. Filed Sept. 19, 1925. Serial No. 57,298. 1 Claim. (Cl. 257—36.)



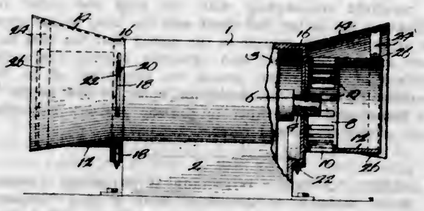
Steam condensing means of the character designated, comprising an exhaust steam chest, a chamber for the reception of water of condensation formed with an air vent, and a plurality of condensation tubes interposed between said steam cheat and said water receptacle and opening into the latter at their lower extremities, the upper extremity of each condensation tube being sealed as related to the steam cheat, and an injection nozzle positioned in the upper portion of each condensation tube and communicating with the said steam chest, substantially in the manner and for the purpose set forth.

1,585,218. SOUNDLESS DOUBLE PROPELLER FOR AEROPLANES. GENNOJO WATANABE, Los Angeles, Calif. Filed Mar. 26, 1924. Serial No. 702,063. 5 Claims. (Cl. 103—165.)



1. The method of neutralizing aeroplane propeller sound waves, consisting of rotating two similar propellers on the same axis, and one in advance of the other, and in positioning them on said axis whereby the sound waves generated are in interference.

1,585,219. SIREN. DUDLEY R. WEBB, Jr., Philadelphia, Pa., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1925. Serial No. 53,848. 2 Claims. (Cl. 116—147.)

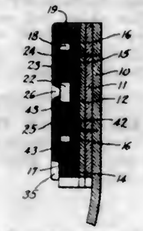


2. A siren having a stator and rotor having a common horizontal axis, a flaring hood circumferentially arranged around the rotor and covering the upper portion thereof for protecting it from the weather, the hood being open at the end and also at the lower portion, and means for angularly adjusting the hood about the rotor axis for controlling the direction of sound.

1,585,220. RUBBER SHOE HEEL. HARRY S. WILLIS, Philadelphia, Pa. Filed Nov. 1, 1922, Serial No. 598,269. Renewed Jan. 21, 1926. 1 Claim. (Cl. 36—39.)

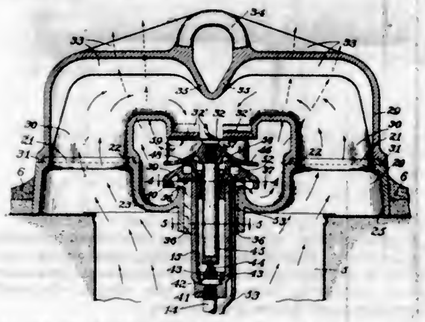
A rubber heel comprising a cushion member having a series of undercut recesses arranged in a circular row,

a circular tread member extending coincident with the cushion member at the rear and sides thereof, projections having cam faces adapted to engage in the men-



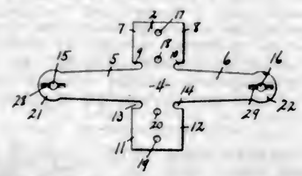
tioned recesses, and corrugations formed co-operatively in the adjacent faces of said tread and cushion members.

1,585,221. OIL BURNER. WILLIAM E. WINE, Toledo, Ohio. Filed Dec. 14, 1925. Serial No. 75,295. 32 Claims. (Cl. 158—77.)



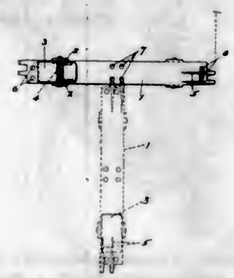
21. An oil burner comprising a base having a hollow hub, a nozzle having spacer ribs formed on its outer periphery, and fitting within said hollow hub and allowing air to pass between the hub and said nozzle for cooling the same, said nozzle having a head with its edges extending beyond the walls of the hollow hub, a rotor pivotally mounted within said nozzle vanes on said rotor, a manifold cooperating with the base and rotor for actuating the latter, the shaft and the head of the rotor so arranged with respect to the nozzle that the fuel may flow around the shaft and upwardly against the under surface of said rotor, means for supplying oil to the nozzle and means for supplying water to the nozzle to be transferred into vapor to thereby prevent carbonization of the nozzle and rotor.

1,585,222. D TOP. WINTHROP WITHINGTON, Jackson, Mich., assignor to American Fork & Hoe Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 30, 1923, Serial No. 660,183. Renewed Apr. 15, 1926. 4 Claims. (Cl. 294—57.)



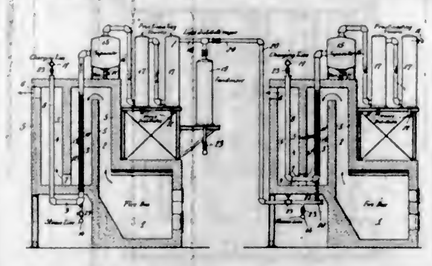
1. A D-top formed of a single piece of sheet metal and comprising a substantially U-shaped yoke formed of a single thickness of sheet metal, the intermediate portion of the yoke being substantially U-shape and convex in lateral cross-section throughout with its convexity projecting inwardly and forming at the center of the yoke a substantially flat shank base with opposite lateral edges extending downwardly from the shank base, and a pair of substantially semi-cylindrical flanges extending downwardly from the respective edges at opposite sides of the shank base and integrally connected to the respective edges throughout their central portions, and separated at opposite end portions from respective edges of the shank base by recesses of substantial width and having arcuate inner edges whereby the integral connection of the semi-cylindrical flanges to the opposite edges of the shank base may be retained throughout the greater portion of the width of said flanges and the flanges may be shaped to semi-cylindrical form without materially weakening the connection.

1,585,223. DISPLAY HOLDER. OWEN P. WOLCOTT, Portland, Oreg. Filed Feb. 21, 1925. Serial No. 10,749. 3 Claims. (Cl. 24—73.)



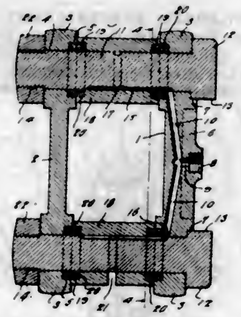
1. In a display holder comprising a body member, said body member having attached at each end thereof ears to which are attached clips suspending hooks attached clips suspending hooks attached to each end of said body member, a series of holes arranged in said body member so as to admit the joining together by a means of said suspending hooks the holders to be used in multiples substantially as described.

1,585,224. PROCESS OF AND APPARATUS FOR DISTILLING OILS. CLIVE MORRIS ALEXANDER, New York, N. Y. Filed Oct. 9, 1919. Serial No. 329,624. 10 Claims. (Cl. 196—85.)



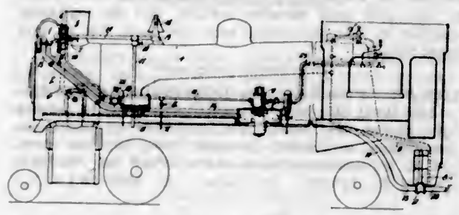
1. A process for non-destructive distillation of hydrocarbon oil comprising passing the oil in one direction through a zone where it is heated, injecting steam into the oil at a plurality of points along its passage through said zone and causing same to flow therethrough concurrently with the oil, maintaining the liquid and vapor phases present in intimate contact up to the point of separation, so as to raise the mean vapor tension, and separating the lighter and heavier fractions by fractional condensation.

1,585,225. DUSTPROOF SPRING LINK AND BOLT OILER. ALBERT N. ANTHES, Quincy, Ill., assignor of one-half to Robert F. Gunther, Quincy, Ill. Filed June 12, 1924. Serial No. 719,604. 1 Claim. (Cl. 267—54.)



In a device of the class described, the combination of a plurality of link members each having hub portions, bushings spacing said hub portions apart, the hub portions and the bushings having chambered portions to contain packing rings, bolts mounted in the hub portions of the links, the bolts having flat portions seated in the recessed portions of one of the links to prevent their turning, oil passages through one of the links communicating with the respective bolts the bolts having longitudinal and encircling grooves with one of which the oil passages of the link member communicate.

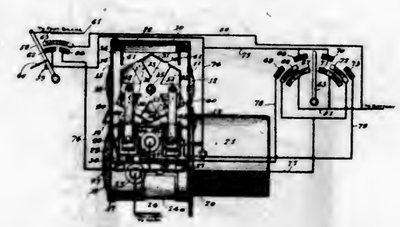
1,585,226. LOCOMOTIVE FEED-WATER-HEATING SYSTEM. EARL A. AVERILL, Mount Vernon, N. Y., assignor to Locomotive Feed Water Heater Company, a Corporation of Delaware. Filed June 23, 1920. Serial No. 391,009. 3 Claims. (Cl. 122—441.)



1. A feed water heating system for locomotives comprising in combination with the usual water supply system, a surface type feed water heater located on the locomotive at a point above the highest normal level of the water in the supply system, a boiler feed pump and connections for forcing water from the supply system through the heater and into the boiler, a connection between the steam space of the heater and the steam exhaust from the locomotive cylinders, a drain line connection between the steam space of the heater and the water supply system on the suction side of the boiler feed pump for delivering condensate back into the supply system, and a steam trap in said drain line.

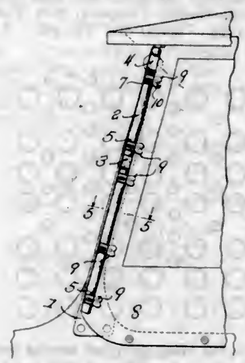
1,585,227. AUTO SIGNALING DEVICE. FRANK BALINT, Bridgeport, Conn. Filed Mar. 17, 1924. Serial No. 699,741. 2 Claims. (Cl. 177—327.)

2. In a signal device, a casing having a tail light compartment, a frame member slidably engaged in said casing above said tail light compartment and forming a signal compartment, a cover at the rear side of said casing having a bull's-eye in its lower portion and opening in its upper portion, tie-rods passing through



said cover and casing adapted to secure said cover and casing together and secure said frame in said casing, and a sign carrier in said frame having a sign adapted to be exposed through said opening.

1,585,228. AUTOMOBILE CURTAIN CLAMP. HERMAN BODAN, Saukville, Wis. Filed Mar. 26, 1925. Serial No. 18,467. 1 Claim. (Cl. 296—138.)

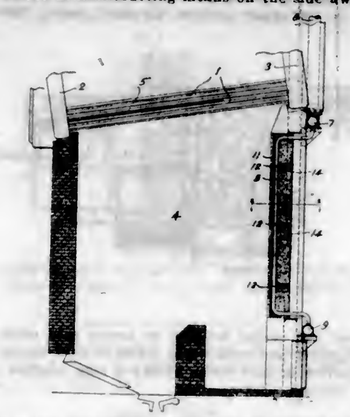


The combination of a wind shield support for an automobile having screw threaded apertures therein, a curtain having eyelets corresponding to said apertures, a clamping member conforming to said wind shield support and positioned outside of said curtain, and having apertures aligning with said first mentioned apertures, a plurality of screws passing through said apertures in said clamping member and the eyelets in said curtain and screwed into the threaded apertures in said wind shield support, said screws being adapted for free rotary motion to tighten or loosen the clamping strip, and having pivoted portions at their outer ends adapted to be turned transversely to serve as manipulating members for screwing the screws into binding engagement and also as locking members to prevent inadvertent detachment of the clamping member and of the curtain.

1,585,229. SUPERHEATER. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Sept. 1, 1922. Serial No. 585,693. 9 Claims. (Cl. 122—471.)

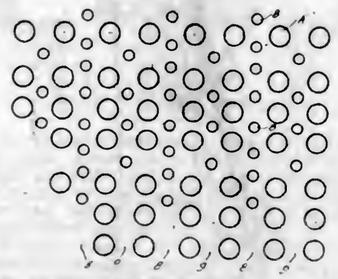
1. In apparatus of the class described the combination of a pipe conveying a fluid to be heated, heat-con-

ducting means adjacent to the pipe, means to supply heat to the heat-conducting means on the side away from



the pipe, and means to exert variable pressure against said pipe in a direction to force it against said heat-conducting means.

1,585,230. WATER-TUBE BOILER WITH SUPERHEATER. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Oct. 4, 1922. Serial No. 592,295. 5 Claims. (Cl. 122—478.)

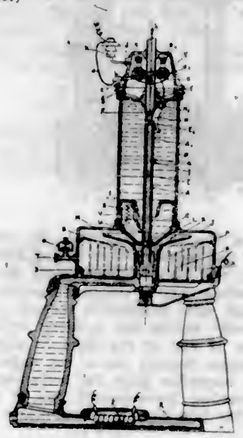


1. In a boiler of the class described having water tubes alined in the direction of gas travel, the rows of water tubes being spaced throughout so as to present unobstructed lanes of travel for the gases from the furnace, the combination with said water tubes of superheater elements comprising straight lengths of tubing, said lengths being placed in the lanes normally occurring between said rows and parallel to the water tubes whereby the gases are forced to follow a tortuous path.

1,585,231. COMB. GEORGE B. CANADA, Memphis, Tenn., assignor of one-half to James B. Holley, Memphis, Tenn. Filed Sept. 11, 1924. Serial No. 737,115. 3 Claims. (Cl. 132—18.)

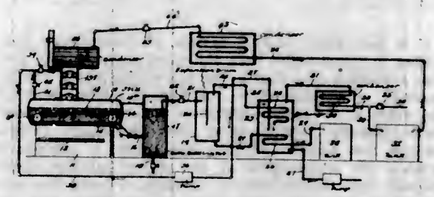
1. A comb having a series of teeth extending radially of the axis of the back of the comb in one direction, and a series of teeth extending radially of the axis of the back of the comb and obliquely with respect to the first teeth, the innermost teeth of the two series diverging with relation to each other to provide a gap for the sitter's ear.

1,585,232. OIL-BREAK ELECTRIC SWITCH. PAUL CHARPENTIER, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France, a French Société Anonyme. Filed May 25, 1925. Serial No. 32,762. 12 Claims. (Cl. 200—150.)



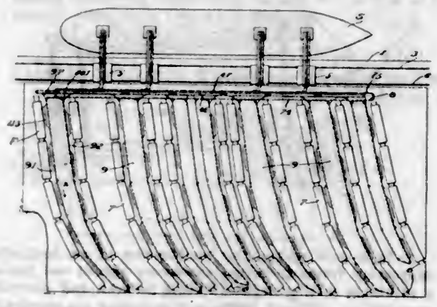
5. An oil-break electric switch, comprising two oil-containing vessels, the upper of said vessels having a conical bottom end, the lower of said vessels having an open flaring top, said bottom end extending within said open top, a movable contact adapted to pass down within said upper vessel and through an opening in its bottom end, a stationary contact within said lower vessel in line with said movable contact, and an expansion chamber in communication with the open top of said lower vessel.

1,585,233. PROCESS FOR CONTINUOUSLY DISTILLING AND CRACKING HYDROCARBON OILS. JOHN W. COAST, Jr., Tulsa, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed July 14, 1919. Serial No. 310,856. 10 Claims. (Cl. 196—18.)



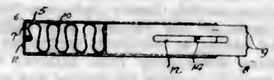
7. The hereindescribed method of treating hydrocarbon oils which consists in subjecting a body of oil to the simultaneous action of heat and pressure and distilling off the lighter fractions and simultaneously cracking the intermediate boiling point products, withdrawing a portion of the oil body under pressure, releasing the pressure on the said portion to withdraw the intermediate boiling point products therefrom and passing the said products into contact with the supply of oil delivered to the oil body under treatment in order to heat the said supply of oil and to distill the lighter hydrocarbons therefrom.

1,585,234. CONVEYER SYSTEM. JAMES T. COWLEY, Minot, Mass., assignor to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1922. Serial No. 598,876. 59 Claims. (Cl. 214—14.)



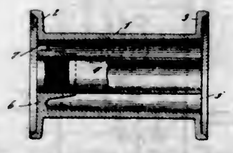
1. Apparatus of the class described comprising a wheeled trolley provided with means upon which a bunch of bananas may be freely suspended by its stem, an elevator comprising a continuous chain extending into the hold of a ship and provided with means for lifting loaded trolleys, a substantially horizontal guideway means for moving said elevator alongside the guideway, and means for transferring the loaded trolleys from the elevator device to the adjacent portion of the guideway while keeping the bunches of bananas free of contact with objects capable of injuring them.

1,585,235. POCKET PENCIL HOLDER. DAVID FRANCIS CURTIN, Chicago, Ill. Filed Jan. 22, 1925. Serial No. 3,916. 4 Claims. (Cl. 2—250.)



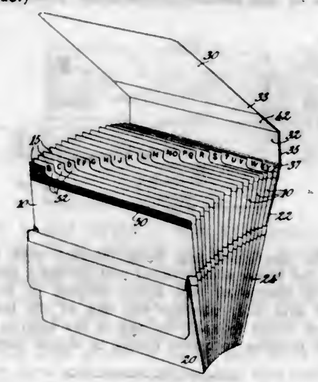
1. A pocket pencil holder comprising a sleeve closed at one end, teeth formed on said end, a slotted bar slidably engaged in said sleeve having teeth on its outer end, an enclosed spring secured near the closed end of said sleeve and contacting the inner end of said bar, and means on said sleeve having sliding engagement with said slot for limiting the relative movements of said sleeve and bar.

1,585,236. SPOOL. HERMAN H. DOEHLER and LOUIS H. MORIN, New York, N. Y., assignors to Doehler Die-Casting Co., a Corporation of New York. Filed July 1, 1925. Serial No. 40,738. 2 Claims. (Cl. 242—123.)



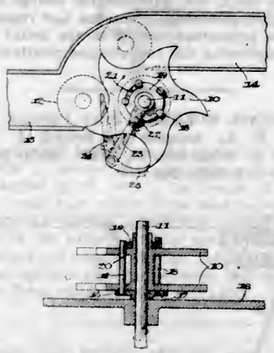
1. A metallic hollow spool including an axial tube of metal harder than the spool body and of substantially smaller diameter than the hollow interior of the spool, and an integral, transverse tube-gripping portion within the spool fitting around the tube for a small part of the tube's length with sufficient tightness to hold the tube positively against relative longitudinal or angular movement.

1,585,237. LETTER FILE. GEORGE E. DOUGHTY, New York, N. Y., assignor to The Cooke & Cobb Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,876. 2 Claims. (Cl. 129—15.)



2. As an article of manufacture, a sheet of paper reinforced entirely across one edge with a fabric strip adhesively attached to one face of the sheet, and a portion of said reinforced part of the sheet narrower than said fabric strip and parallel to the edge thereof being cut away to leave an index tab on the sheet.

1,585,238. STAR-WHEEL FEEDER. OTTO DREHER, Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 26, 1923. Serial No. 627,750. 11 Claims. (Cl. 198—21.)

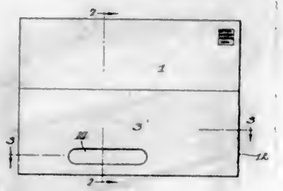


1. A star wheel feed for bottle machines and the like comprising a star wheel, a drive shaft therefor, a clutch member carried by the drive shaft, clutch pins on the star wheel for engaging the clutch member, cam means for controlling the clutch pins, and a clutch operating lever in position to be engaged by the bottles when they enter the spaces between the points of the star wheeel for moving the cam to a position for engaging one of the clutch pins with the clutch member.

1,585,239. DUPLEX ENVELOPE. CHARLES F. ELMORE, Chicago, Ill., assignor, by mesne assignments, to Charles F. Elmore, Joseph Sawdon, John C. Redington, and Joseph A. S. Ehart, all of Quincy, Ill. Filed Feb. 15, 1924. Serial No. 692,949. 8 Claims. (Cl. 229—72.)

1. In a duplex envelope, means forming a plurality of compartments, including a relatively small compartment

on the address side of the envelope, within the area of the larger compartment, with a flap for closing the larger compartment, and means including a flap cooperating with said first mentioned flap to prevent the contents of the smaller compartment from falling out,



said first mentioned flap being integral with the front wall of the larger compartment and having a slot therein, said last mentioned flap being adapted to be inserted through said slot, whereby the flap of the larger compartment serves to hold the flap of the smaller compartment in position to afford access to either compartment.

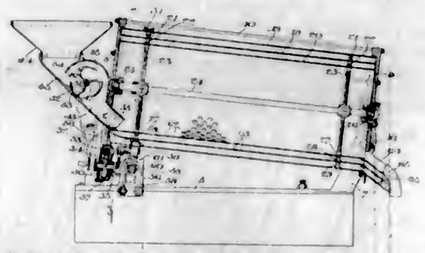
1,585,240. METHOD OF PRODUCING IRON AND THE LIKE WITH A CERTAIN PERCENTAGE OF CARBON DIRECTLY OUT OF IRON ORE OR THE LIKE. HENNING GUSTAV FLODIN, Roslags-Nasby, and EMIL GUSTAF TORVALD GUSTAFSSON, Stockholm, Sweden, assignors to Hampus Gustaf Emrik Cornelius, Stockholm, Sweden. Filed Apr. 7, 1925. Serial No. 21,411. 13 Claims. (Cl. 204—64.)

1. A direct reduction process for producing carbon binding metal or metal alloy by charging a furnace with one charge consisting of a mixture of oxide ore and carbon in the proportion required for reduction and carbonization of the metal and with another charge containing relatively higher percentage of carbon and regulating the carbon to the percentage desired in the metal produced, through proportioning the two charges relatively to each other.

1,585,241. DOOR HOLDER. JOHN PATRICK GRIMLEY, Harrison, N. J., assignor to Samuel J. Rawlings, Kearny, N. J. Filed Jan. 14, 1926. Serial No. 81,278. 4 Claims. (Cl. 292—269.)

1. In combination with a wall having an opening, a swinging closure member therefor, a member rotatably supported by the wall adjacent to the opening, an elongated arm pivotally connected with said second member, said arm having swinging movement about its pivot in a direction angular to the swinging movement of the second member about its pivot, a sliding bolt carried by the closure member, said arm being provided with an elongated slot through which the bolt is adapted to extend when projected, said projected portion of the bolt comprising an outstanding reduced extension terminating in an enlargement, said enlargement being of a diameter in excess of the width of the slot in the arm, said slot of the arm having a portion enlarged to permit the enlarged end of the bolt to pass therethrough, and means carried by the second member for limiting the swinging movement of the second member and the arm carried thereby in a direction toward the door opening.

1,585,242. COIN SORTER. FRANK E. HAGEMAN, Milwaukee, Wis., assignor to The Milwaukee Electric Railway & Light Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 11, 1923. Serial No. 644,680. 10 Claims. (Cl. 133—3.)

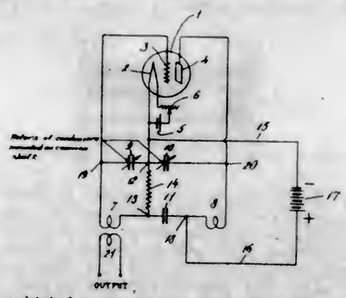


1. In a coin sorter, the combination of an inclinable supporting frame including stationary spaced end plates, a rotatable sorting drum disposed between and pivotally mounted on said end plates and including concentrically arranged coin sorting screens forming coin-receiving chambers with said stationary end plates, coin-introducing means carried by the upper end plate, and coin discharge means carried by the lower end plate.

1,585,243. HAY HARVESTER. CARL HANSELMAN, Eau Claire, Wis. Filed Sept. 29, 1923. Serial No. 665,599. 1 Claim. (Cl. 56—19.)

A hay harvesting machine adapted to be drawn across a field and comprising a plurality of supporting wheels, a body portion carried thereby and comprising an elongated receptacle for the cut hay, said receptacle being box like and having an elongated perforated top, a hay rake extending downwardly from adjacent the forward end of the machine, cutters for cutting and receiving hay delivered from said rake, a blower for blowing the cut hay and a conduit for receiving the cut hay from the blower, said conduit opening into the said container adjacent an upper edge and adapted to direct the blast of air and cut hay longitudinally along the under side of the perforated top whereby an extensive sifting action takes place.

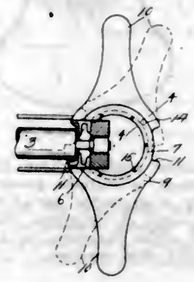
1,585,244. SHORT-WAVE-LENGTH TRANSMITTER. WILLIAM HOLLIS HOFFMAN, Madison, Wis., assignor to C. F. Burgess Laboratories, Madison, Wis., a Corporation of Wisconsin. Filed Feb. 17, 1925. Serial No. 9,750. 7 Claims. (Cl. 250—36.)



1. In a high frequency generator, a three-electrode vacuum tube comprising a cathode, an anode and a control electrode, an oscillatory circuit forming a high frequency

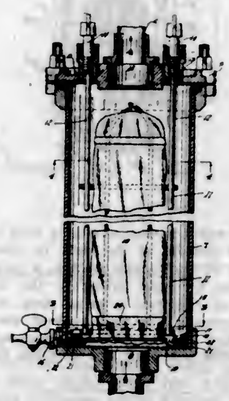
bridge, said anode and control electrode being connected to said bridge at points of unequal high frequency potential, said cathode being connected to one of two points on said bridge of constantly equal high frequency potential, and a source of direct current having its terminals connected respectively to said two points of constantly equal high frequency potential.

1,585,245. CLOTHES WRINGER. CLARENCE HOWLETT, La Porte, Ind. Filed Nov. 21, 1924. Serial No. 751,229. 5 Claims. (Cl. 68—32.)



1. A feeding device for a wringer provided with wringer rolls and side rails, comprising a flat clothes receiving member, means for rotatably supporting the same and means for attaching the supporting means to one of the side rails of the wringer substantially with the receiving member in a plane passing through the line defining the bite of the rolls.

1,585,246. FILTER. OLE HOY, Chicago, Ill. Filed Jan. 29, 1923. Serial No. 615,504. 10 Claims. (Cl. 210—160.)

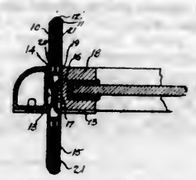


1. A filter comprising a casing having an inlet in the bottom thereof; an inverted filter bag in said casing having its edges seating on the bottom of the casing around said inlet; an open work frame surrounding said bag and holding the edges thereof against the bottom of said casing, said bag being larger than said frame to protrude through the openings therein; and a discharge for said casing, substantially as described.

1,585,247. FRICTION DOOR HOLDER. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Aug. 1, 1925. Serial No. 47,440. 9 Claims. (Cl. 16—49.)

1. In a door holder, a pair of pivotally connected arms, one to be attached to a door casing and the other to be attached to a door, a friction block interposed between said arms, means for non-rotatably securing said friction block to one arm when the door holder is to be used on a right hand opening door, and for attaching said friction block to the opposite arm when the door holder is to be used on a left hand opening door, and means for causing said friction block to frictionally engage one of said arms, all of said parts being non-yielding.

1,585,248. WINDSHIELD HINGE. GEORGE A. JACOBS, Chicago, Ill. Filed Feb. 6, 1924. Serial No. 691,030. 1 Claim. (Cl. 296—92.)

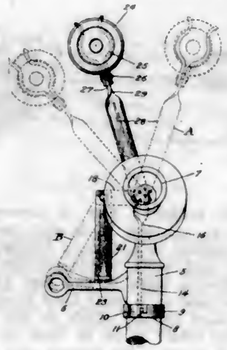


A windshield hinge comprising a disc having a flanged rim with a series of indentations therein, a second disc adapted to fit within the flange of said first disc, a pivot bolt, lugs struck from said second disc adapted to serve as spring abutments, radial detent guides formed on the surface of said second disc, detents therein adapted to engage in the indentations of the first disc and springs engaged between said detents and said lugs to force said detents outwardly.

1,585,249. GRIPPING MEANS FOR RIFLES AND SHOTGUNS. WILLIAM FRANCIS JOHNS, Raglan, New Zealand. Filed June 2, 1923. Serial No. 643,107. 1 Claim. (Cl. 42—72.)

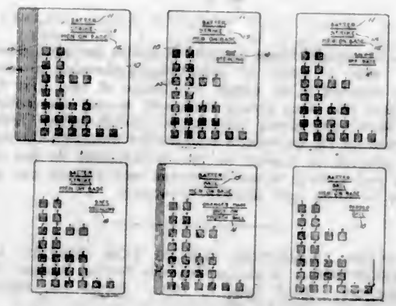
In an attachment for rifles, shot guns or the like, the combination of a handle having an eye at its top, spaced bearings adapted to be secured to the underside of the barrel in the longitudinal direction thereof, so as to receive freely between them the eye on the said handle, and a pivot pin adapted to be passed through the said bearings and the said eye.

1,585,250. TELEPHONE ATTACHMENT. LOESER KALINA, Brooklyn, N. Y. Filed Aug. 1, 1925. Serial No. 47,614. 8 Claims. (Cl. 179—149.)



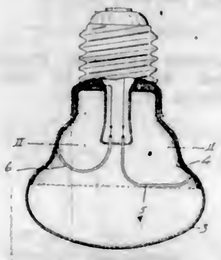
1. A receiver holding attachment for telephone stands comprising a clamp adapted for attachment to a telephone stand, a standard extending vertically from said clamp, an arm projecting from said standard, a receiver hook operating member pivotally mounted on said arm, and telephone receiver supporting means pivotally mounted upon said standard, and movable in a vertical plane to operative position upon opposite sides of the telephone stand.

1,585,251. GAME APPARATUS. HENRY A. KENNEDY, New York, N. Y. Filed Nov. 14, 1923. Serial No. 674,732. 1 Claim. (Cl. 273—15.)



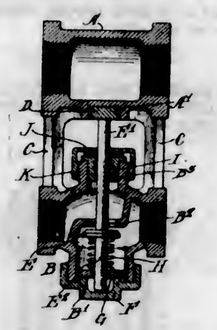
A base ball card game comprising a deck of cards, each card having indicia thereon denoting the action of the batter and also having indicia therein denoting the action of the men or base, the indicia denoting the action of the men on base consisting of transverse rows of symbols, each row of symbols corresponding to a possible situation on the bases, each row of symbols consisting of a number of pairs of symbols, one member of each pair of symbols denoting the initial position of the runner on the base in the possible situation denoted by the pair of symbols, the other member of each pair of symbols positively denoting the resulting disposition of the runner following the action of the batter denoted on the card.

1,585,252. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 14, 1921. Serial No. 477,608. 10 Claims. (Cl. 176—122.)



1. In an electric discharge lamp, the combination of a sealed envelope, a suitable gaseous filling therein, and a plurality of electrodes, one of which has an area of a different order of magnitude than the other, and the larger of which functions as a reflector and is positioned within said envelope.

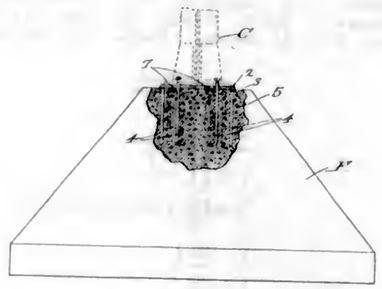
1,585,253. SAFETY VALVE FOR WATER HEATERS. LUTHER D. LOVEKIN, Ardmore, Pa. Filed Mar. 13, 1924. Serial No. 698,833. 3 Claims. (Cl. 122—504.3.)



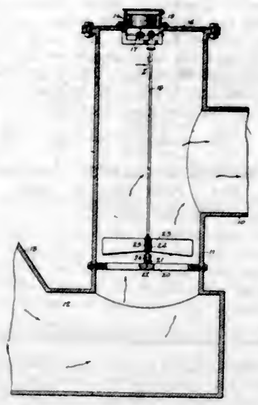
1. A metal water fitting having a plug holding socket formed in the outside of the wall, in combination with a fusible plug fitting in said socket, a gas valve casing, means securing the said casing to the fitting, a valve for shutting off the gas, a valve stem secured to said valve and normally abutting against the fusible plug when the valve is open and a spring acting to press the stem against the plug and to close the valve when the plug fuses.

1,585,254. DOWEL BEARING PLATE AND METHOD OF MOUNTING. HALVOR ALLAN LUND and JOSEPH A. BARLOW, Los Angeles, Calif. Filed Oct. 12, 1923. Serial No. 668,074. 2 Claims. (Cl. 72—77.)

1. A device of the class described comprising a bearing plate upon which a supporting column is adapted to rest, said bearing plate having a plurality of bond rods rigidly secured thereto and extending downwardly therefrom so that they may be imbedded in the concrete on which the bearing plate is supported, said bond rods being relatively long as compared with their diameters so as to present areas upon their sides sufficiently great that a firm bond may be established between the concrete and the bond rods, whereby a material part of the compressive stresses developed by the load on the bearing plate may be transmitted to and distributed within the interior of the concrete by bond.

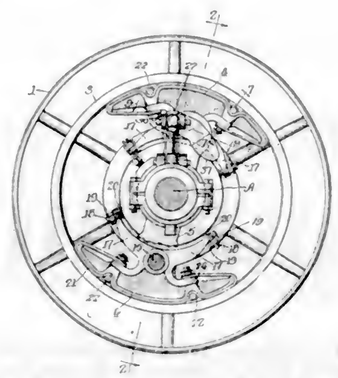


1,585,255. WATER METER FOR IRRIGATION HEADS. WILLIAM DAVID MCFADDEN, Del Mar, Calif. Filed Mar. 3, 1923. Serial No. 622,687. 1 Claim. (Cl. 73—37.)



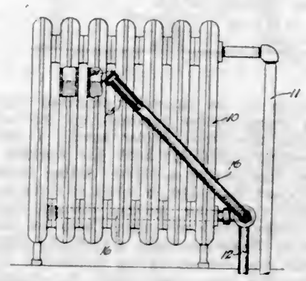
A water meter comprising a vertically disposed meter casing provided with an inlet at its lower end for connection with a fluid supply pipe line and having a lateral fluid supply discharge outlet disposed thereabove, a vertically disposed register-actuating shaft mounted in said casing, a horizontally disposed impeller secured to said shaft and located in said casing between said inlet and said discharge outlet, a depending bearing element integrally formed on said impeller, a spider mounted adjacent the inlet of said casing, a step bearing on said spider in which said depending bearing element is seated, and a meter registering mechanism mounted on the upper end of said casing and operatively connected to said actuating shaft.

1,585,256. FRICTION CLUTCH. ALBERT MASTER, Park Ridge, Ill. Filed Aug. 21, 1924. Serial No. 733,363. 7 Claims. (Cl. 192—75.)



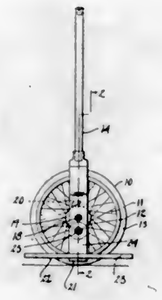
7. A friction clutch having, in combination, a driving element, and a driven element, one of said elements comprising a friction rim and the other comprising a spider having a supporting sleeve; an eccentric pivotally supported by said spider to swing on an axis extending parallel with the axis of the clutch; a shoe pivotally mounted on the eccentric and having a concentric surface adapted to engage the inner periphery of said rim; means to hold said shoe against pivotal movement on the eccentric when the shoe is withdrawn inwardly away from the rim; and means to turn the eccentric to force the shoe against the rim and withdraw it therefrom.

1,585,257. ADJUSTABLE RADIATION CONTROL FOR BALANCED-PRESSURE RADIATORS. GEORGE J. MEYER, Milwaukee, Wis. Filed Sept. 26, 1924. Serial No. 740,137. 3 Claims. (Cl. 257—48.)



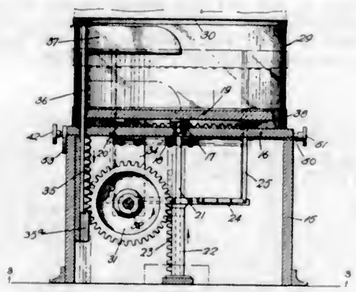
2. In combination, a radiator having an outlet pipe, a T-coupling connected therewith, a drain pipe connected with the T-coupling, and an angular overflow pipe having swivel connection with the T-coupling, and comprising a pair of tubes one within the other and one having communication with the outlet pipe and the other having communication with the drain pipe.

1,585,258. POLE MONOCYCLE. ARLINGTON MOORE, Worcester, Mass., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 8, 1923. Serial No. 617,711. 3 Claims. (Cl. 208—1.)



1. The combination with a wheel and its axle, of a pole having its lower portion in the form of a yoke and pivoted at the wheel axle on each side of the wheel, and a foot support pivoted to the yoke in each side of the wheel at a point beneath the wheel axle and depending therefrom.

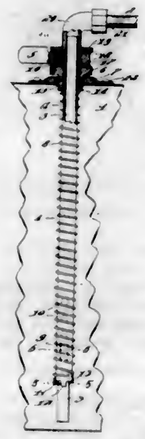
1,585,259. CHEESE CUTTER. BENJAMIN F. MUSSER, Rison, Ark., assignor of ninety-one one-hundredths to Dave Cash, Rison, Ark. Filed Sept. 26, 1924. Serial No. 740,123. 4 Claims. (Cl 31—19.)



1. A device of the character described including a cabinet, a cheese holder rotatable on the cabinet, a cover around the cheese holder having a transparent wall, a vertically shiftable knife bar working through the cabinet top, having a cheese cutting blade at its upper end above the holder, a series of cover supporting arms around the holder working through the cabinet top and having shouldered upper ends on which the lower edge of the cabinet rests, a vertically shiftable upright within the cabinet having connection with said cover supporting arms, and means for simultaneously shifting said upright and said knife bar in relatively opposite directions whereby to cut cheese on the holder and at the same time elevate the cover.

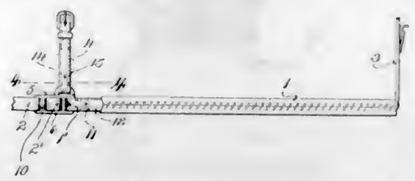
3. A device of the character described including a cabinet, a rotatable cheese holder on the cabinet having a lower circular rack, a shaft through the cabinet, a worm gear on the shaft engaging said rack, a handle at one end of the shaft, a gauge plate on the cabinet adjacent to said handle, a gauge member adjustable on the plate, and a stop arm carried by the shaft for movement against the gauge member, said worm gear being loose on the shaft and having a series of dogs, and a ratchet wheel secured on the shaft and engaged by said dogs.

1,585,260. GAS RESERVE FOR AUTOMOBILES. WILLIAM H. MUZZY, Chicago, Ill. Filed Jan. 22, 1921. Serial No. 439,203. 6 Claims. (Cl. 158—46.5.)



1. The combination with a fuel tank, of an unbroken freely rotatable, apertured fuel feeding pipe extending down into the tank and having an attaching nipple, a freely rotatable apertured valve sleeve surrounding and supporting the pipe movably within the tank means to rotate the sleeve to open and close the aperture in the pipe to feed the main supply or the reserve supply and means for anchoring the valve sleeve to the top of the tank but leaving it free to be rotated at will without moving the inner feed pipe.

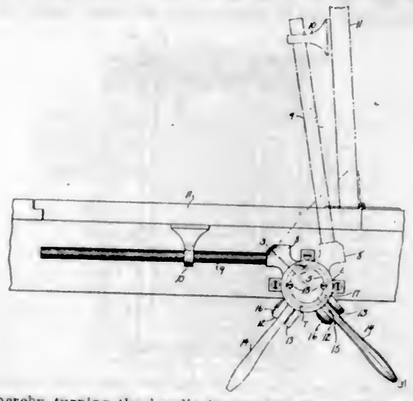
1,585,261. HOPPLE COUPLING. JOHN C. NICHOLS, Sheboygan, Wis. Filed Apr. 27, 1925. Serial No. 26,086. 2 Claims. (Cl. 54—71.)



1. A hopple including a strap adapted to be passed around a horse's leg, an intermediate connecting strap, and a suspending strap, a coupling member receiving the adjacent portions of the straps, and means on the coupling member cooperating with said straps to prevent relative rocking motion of the adjacent portions of said straps.

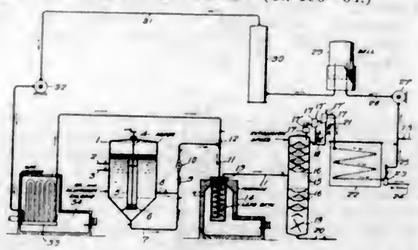
1,585,262. CASEMENT OPERATOR. BENJAMIN A. PARKER, New Haven, Conn., assignor to The H. B. Ives Co., New Haven, Conn. Filed Nov. 27, 1925. Serial No. 71,547. 3 Claims. (Cl. 268—118.)

1. A casement operator, comprising a round post, with means for mounting the same, a yoke set over said post and formed with a head and with two inwardly-projecting lugs, a rod mounted in the head and having sliding engagement with a casement closure, and a handle mounted between and connected with the lugs,



whereby turning the handle in one direction will expand the yoke and in the opposite direction will contract the yoke.

1,585,263. PROCESS OF CATALYZING OILS. GEORGE L. PRICHARD and HERBERT HENDERSON, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Feb. 28, 1922. Serial No. 539,965. 10 Claims. (Cl. 196—54.)

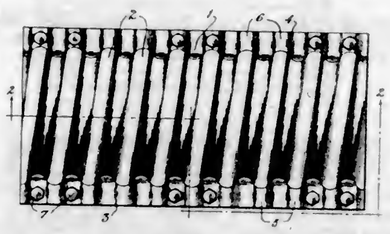


1. In the catalytic distillation of petroleum oils with aluminum chlorid the process which comprises transmitting a mixture of such an oil with aluminum chlorid once through a heating zone, at a temperature sufficient to cause chemical reaction to occur and allowing the mixture to freely expand in a releasing chamber with extrication of vapors of volatile oils formed by such reaction.

1,585,264. METHOD OF AND APPARATUS FOR TAKING STEREOSCOPIC INTRAORAL RADIOGRAPHS. SIDNEY K. ROSENTHAL, Berkeley, Calif. Filed May 25, 1922. Serial No. 563,599. 6 Claims. (Cl. 250—34.)

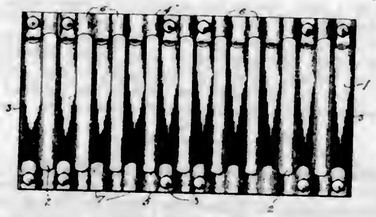
6. A device for taking stereoscopic intraoral radiographs comprising a film holder having front and rear portions, two films in said holder in superposed position, a radio-opaque screen between said films and attached to the front film, and means for removing said front film without disturbing the rear film.

1,585,265. CULVERT. JULIUS H. SCHLAFLY, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Jan. 3, 1924. Serial No. 684,137. 4 Claims. (Cl. 137—75.)



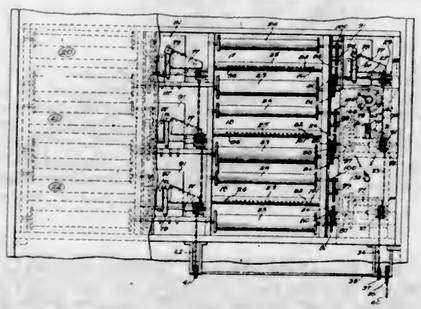
1. A culvert section having spiral arch corrugations and provided with corrugated angular flanges at its side edges, the corrugations in its flanges conforming with the arch corrugations.

1,585,266. CULVERT. JULIUS H. SCHLAFLY, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Jan. 3, 1924. Serial No. 684,138. 7 Claims. (Cl. 137—75.)



1. A culvert section having lateral flanges with transverse corrugations reversely formed on opposite side edges.

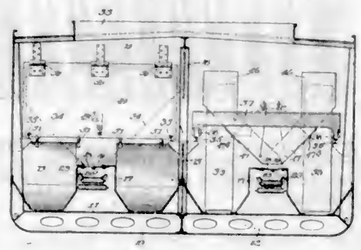
1,585,267. AUTOMATIC PLAYER PIANO. NOËL MARSHALL SEEBURG and LEWIS T. BARKSTROM, Chicago, Ill., assignors to J. P. Seeburg Piano Company, Chicago, Ill., a Corporation of Illinois. Filed May 13, 1922. Serial No. 560,588. 25 Claims. (Cl. 84—118.)



1. In an automatic player of the character described the combination of a plurality of sets of player and winding rolls and a plurality of tracker bars one independent tracker for each set, driving mechanism for each set, a selector connected with all of said driving mechanisms,

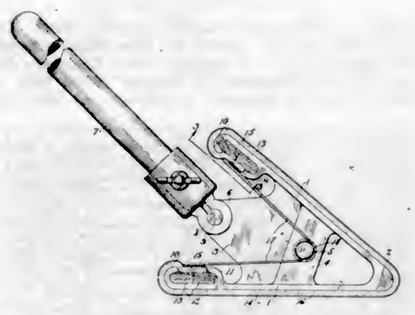
selectively to set any one of said driving mechanism to be operated to cause a player roll to be actuated to render a selection, means for automatically causing each winding roll to be actuated in the reverse direction, means for automatically causing the driving mechanism to be brought to a rest, and a setting mechanism co-operatively associated with the selector, said setting mechanism being operable to cause the automatic repetition of a selection previously rendered.

1,585,268. APPARATUS FOR UNLOADING BOATS. JACOB R. SENSIBAR, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 757,469. 6 Claims. (Cl. 214—15.)



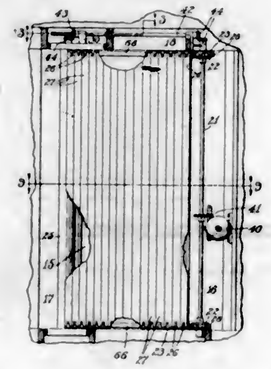
1. In a boat, means for unloading a longitudinal compartment of said boat comprising a central longitudinal tunnel at the bottom of the compartment, a conveyor within said tunnel, doors in said tunnel operable for feeding material in said compartment to said conveyor, and means for feeding to the conveyor the material within said compartment and below the level of the conveyor.

1,585,269. FLOOR POLISHER. ADAM A. SERVA, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 6, 1924. Serial No. 748,066. 4 Claims. (Cl. 15—231.)



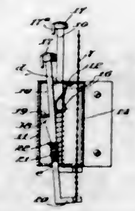
1. A tool of the character described including a V-shaped polishing head, comprising two converging side members, a wall between said side members, bosses upon said walls, a polishing cloth located around said side members and over the free ends thereof and a spring connected to said bosses, and engaging the end portions of the cloth.

1,585,270. ARTICULATED DOOR. GEORGE E. STEVENSON, Indianapolis, Ind. Filed July 11, 1924. Serial No. 725,528. 6 Claims. (Cl. 20—20.)



1. A door comprising a pair of parallel winding drums, two chains forming driving connections between the drums, door-forming slats connecting from links of one chain with links of the other chain, and means by which one of said drums may be rotated.

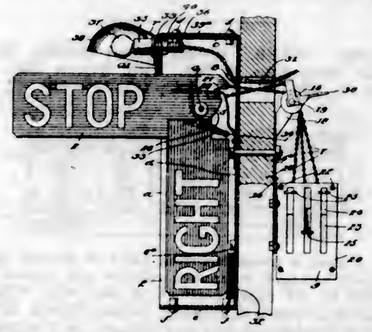
1,585,271. DIRECTION INDICATOR FOR VEHICLES. DOMINICK MCDONNELL SUSI, Pittsfield, Me. Filed Oct. 9, 1925. Serial No. 61,487. 2 Claims. (Cl. 74—39.)



1. An actuator for a normally depending movable element comprising a depressible member having a stem; a guide having said stem slidably mounted therein for longitudinal reciprocation and lateral shifting movement; yielding means normally urging and maintaining said stem in one of its lateral shifted positions; a detent on the stem; a keeper arranged in the path of the detent and with which the latter will latch; said stem and operative connection between said movable element, whereby the latter may be moved to a substantially horizontal position and maintained out of normal position, when the stem is depressed to latched position, and whereby the member may be released and returned to normal position by the returning movement of said removable element, when the stem is laterally shifted against the tension of said yielding means.

1,585,272. DIRECTION INDICATOR. DOMINICK MCD. SUSI, Pittsfield, Me. Filed Feb. 26, 1926. Serial No. 90,819. 7 Claims. (Cl. 116—53.)

1. A direction indicator comprising a rectangular casing composed of two complemental separable sectional members the major portion of said member forming two walls thereof and their marginal portion extended at an angular thereto and forming the other walls of the casings, a shaft mounted in opposite walls of said casing wall thereof, and normally contained within said casing; signal arms mounted on said shafts, an elongated

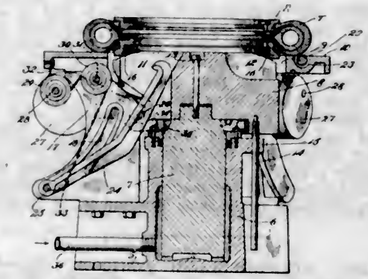


slot in said casing through which arms may be moved to signaling position, operating members connected to each of said arms and extending through an opening from said casing, whereby the signal arm may be actuated.

1,585,273. ITEM RECORDER. CHARLES H. WALLACE, Appleton, Wis. Filed June 18, 1925. Serial No. 37,997. 1 Claim. (Cl. 116—135.)

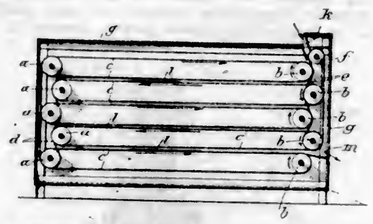
In a device of the class described, a base board having horizontal slots, indicia located adjacent said slots, a portion of the lower marginal edge of said slots having depressions, a series of U members slidably mounted on and straddling said lower marginal edge, said U members having a beveled portion on their inner side where they engage said marginal edge to conform with said depressions.

1,585,274. RIMMING PRESS. THOMAS HENRY WILLIAMS, Akron, Ohio, assignor to The Adamson Machine Company, Akron, Ohio, a Corporation of Ohio. Filed May 23, 1925. Serial No. 32,349. 8 Claims. (Cl. 18—2.)



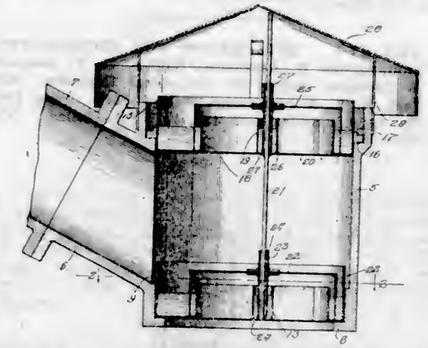
1. A press for tire rim rings and the like including a table, means for elevating the table and swinging arms having sliding pivots for normally dropping below the table when the same is lowered and operable upward for engaging and clamping rings on the table when the same is elevated.

1,585,275. DEVICE FOR TRANSPORTING PAPER, FABRICS, AND THE LIKE. EUGEN ALFRED ALBRECHT, Zurich, Switzerland. Filed Oct. 27, 1925. Serial No. 65,205. 2 Claims. (Cl. 198—84.)



1. A device for transporting paper, fabrics and the like, comprising in combination, a casing, a number of guide rollers arranged substantially in two vertical rows at both ends of said casing, sets of a plurality of endless conveying organs distanced from each other, each set being guided by one roller of the one row of rollers and a corresponding roller of the other row of rollers whereby a plurality of independent vertically spaced conveying parts are obtained, a plurality of endless strings passing between the guide rollers of each row of guide rollers and adapted to transfer goods from one conveying path to the next, and driving means adapted to rotate the adjacent guide rollers of one row of rollers in opposite direction.

1,585,276. LIQUID AND MECHANICAL SEAL. HAROLD V. ATWELL, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed July 12, 1924. Serial No. 725,698. 4 Claims. (Cl. 277—61.)

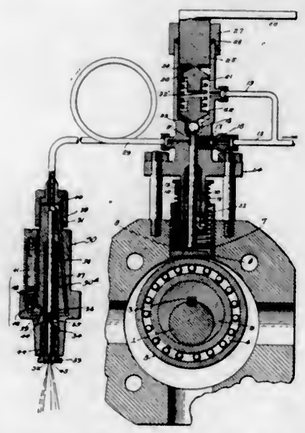


1. In a seal construction, an open ended casing having an intermediate inlet opening, pans in said casing above and below said opening, said pans being provided with central walled openings and being adapted to contain liquid, inverted cups resting in the liquid in said pans, and an approximately central guide rod passing through said cups, said cups being vertically movable on said guide rod.

1,585,277. HIGH-PRESSURE METERED FUEL EJECTOR FOR INTERNAL-COMBUSTION ENGINES. GUY A. BELL, San Francisco, Calif. Filed Jan. 7, 1924. Serial No. 684,905. 2 Claims. (Cl. 123—32.)

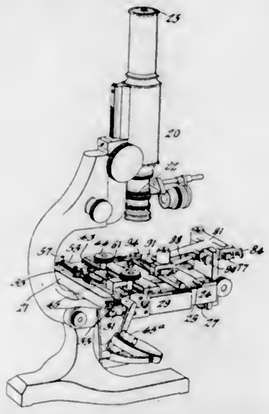
1. In a device of the character described, the combination with a fuel pump, of means for trapping a metered fuel charge under pressure as received from a fuel pump, said means comprising an ejector having

an auxiliary pressure chamber and a resilient-walled, valve-controlled accumulator chamber, a receiving chamber bearing a spring-controlled valve-stem, a by-pass port connecting said accumulator chamber with said receiving chamber, an ejaculatory duct leading from said chamber accumulator chamber to said auxiliary chamber, a compressible elastic packing member in said



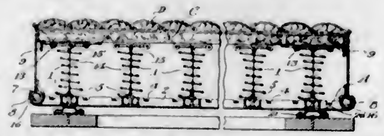
auxiliary chamber surrounding said valve-stem said resilient-walled accumulator chamber, said auxiliary chamber and said packing member co-acting to accomplish the ejectment of said metered fuel charge from the ejector nozzle upon the lowering of pressure without said accumulator chamber and the shutting off of the fuel supply.

1,585,278. ATTACHMENT FOR MICROSCOPES. CHRISTOPHER H. BIERBAUM, Buffalo, N. Y., assignor to American Society of Mechanical Engineers, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,811. 12 Claims. (Cl. 265—12.



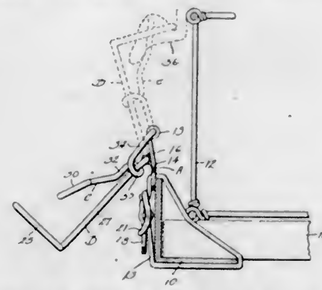
1. The combination with the stage of a microscope, of an attachment of the character described comprising a frame having means for securing it to the stage, a bracket carried by said frame, a scratching point mounted on said bracket, and a carriage including a primary slide guided on said frame to move crosswise of the stage, a secondary slide guided on said primary slide to move lengthwise of the stage and having a holder for a test-surface, means for adjusting the primary slide, and means for feeding the secondary slide relatively to said scratching point.

1,585,279. COVER. GUSTAV OSCAR NILSSON BRANDBERG, Sioux Falls, S. Dak. Filed Nov. 4, 1922. Serial No. 599,169. 1 Claim. (Cl. 155—181.)



In a seat, a frame including pairs of channel shaped members arranged in crossed relation and formed with notches in the upper portions of their side walls adjacent their points of crossing, tongues formed on some of said notched portions and clamped in a manner to provide a means for securing said pairs of channel shaped members in operative association, a seat element arranged above the frame, springs interposed between the seat element and frame respectively, said springs having their base convolutions received in said notches, a cross pin secured to the upper convolution of each spring, a hook secured centrally at the juncture of the cross members, and rods depending from the cross pins and passing through the springs and anchored to the hooks.

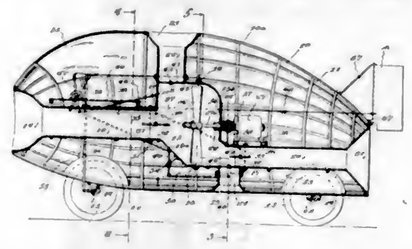
1,585,280. COVER CLIP. METTA IDA M. BROWN, Sioux City, Iowa. Filed Dec. 8, 1924. Serial No. 754,587. 1 Claim. (Cl. 24—248.)



A cover clip comprising a bracket, a pair of jaws hinged to said bracket on axes spaced from each other such that hinging movement of the jaws simultaneously in one direction will separate them, while hinging movement of the jaws simultaneously in the opposite direction will bring them together, each of said jaws comprising a jaw proper and spaced arms connecting said jaws to the bracket, the spaced arms of one jaw being looped about the arms of the other jaw to provide a sliding connection such that hinging movement of one jaw will automatically induce corresponding hinging movement in the same direction of the other jaw.

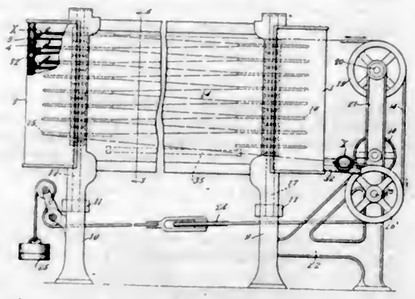
1,585,281. AIR-PROPELLED VEHICLE. GEORGE L. CRADDOCK, Washington, D. C. Filed Oct. 13, 1924. Serial No. 743,449. 1 Claim. (Cl. 244—18.)

A device of the character described comprising a body supported by a frame work, an air trunk extending horizontally through said body and having its forward end bowl-shaped and its rear end flared, a similar air trunk extending vertically through said body having its ends flared, a casing intermediate the ends of said air trunks positioned at their intersection thereby forming a continuation of said air trunks, a fan located within said casing for creating an air current through said



air trunks and means for intercepting the air currents passing through said air trunks, said means comprising valves operable in pairs, a pair being located in the vertical and horizontal air trunks.

1,585,282. APPARATUS FOR DRYING LINING MATERIAL ON COVERS. BRADLEY DEWEY, Cambridge, Mass., and THEODORE T. MILLER, Orange, N. J., assignors to Dewey & Almy Chemical Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1925. Serial No. 9,822. 12 Claims. (Cl. 34—42.)

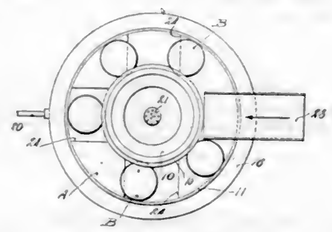


10. An apparatus of the character described comprising a casing, means for insulating the inside of the casing from the atmosphere, horizontally spaced, vertically arranged series of rolls in said casing, the rolls of each series being in alignment with each other and the sheaves of one series being staggered with respect to the sheaves of another series, an endless flexible cable alternately passing around a roll of one series and then a roll of another series, a guide extending parallel to and to one side of the horizontal course of said conveyor whereby the periphery of can covers may be supported on said guide and another portion thereof rest against said cable, and when said cable is driven said cable and rolls cooperate to propel the covers through a tortuous path, and a heater in said casing, said covers being first introduced into the region of said heater.

1,585,283. DRIER. BRADLEY DEWEY, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a Corporation of Masschusetts. Filed Feb. 17, 1925. Serial No. 9,825. 5 Claims. (Cl. 34—11.)

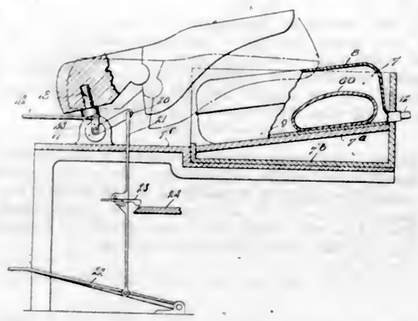
4. A drier comprising concentric cylinders having means to admit can ends into the space therebetween,

a spiral track on one of the opposed surfaces of said cylinders for supporting one edge of the can ends, an other portion of the ends resting against the surface of



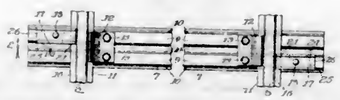
the adjacent cylinder, and means to rotate the outer cylinder thereby to propel can ends from one end of the drier to the other.

1,585,284. PROCESS OF AND APPARATUS FOR MAKING SHOE FORMS. WILLIAM J. DE WITT, Auburn, N. Y. Filed Jan. 30, 1925. Serial No. 5,746. 24 Claims. (Cl. 18—56.)



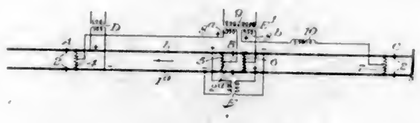
1. That process of preparing hollow shoe forms which comprises subjecting a sheet of normally stiff material to the combined action of heat and moisture to make it pliable, and conforming said material to the outer surface of a rigid last by pressing the last upon said material while supporting the latter upon a mobile cushion.

1,585,285. RAILWAY-TRACK CONSTRUCTION. HERMAN H. DIEHL, Huntington, W. Va., assignor to West Virginia Rail Co., Huntington, W. Va., a Corporation of West Virginia. Filed Jan. 18, 1926. Serial No. 82,011. 3 Claims. (Cl. 238—60.)



1. In combination with a tie, a rail-flange-engaging clip pivoted thereon and having a rail-flange-engaging portion at one end, its opposite end being thickened relative to, and tapered toward, the center portion of the clip to provide a broad striking surface.

1,585,286. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. ROBERT M. GILSON, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1924. Serial No. 737,701. 8 Claims. (Cl. 246—34.)

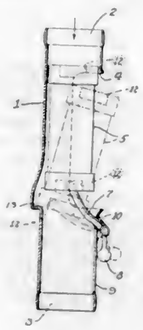


8. In combination, a section of railway track divided to form a forward and a rear sub-section, and means for causing alternating track circuit current to flow in the two rails of each sub-section, in series and the instantaneous relative polarities of the track circuit current in the forward and the rear sub-sections being opposite.

1,585,287. METHOD OF MANUFACTURING MAGIC CANDLES. HANS GRÜNEWALD, Worbis-Eichsfeld, Germany, assignor to Deutsche Zundholzfabriken Aktiengesellschaft, Cassel, Germany, a Firm. Filed Sept. 27, 1923. Serial No. 665,190. 4 Claims. (Cl. 18—59.)

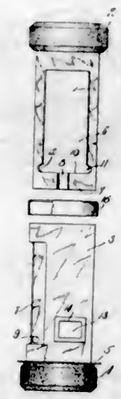
1. The method of manufacturing magic candles and the like, which consists in pasting thick, stiff, solidifiable combustible compounds onto a thin, incombustible support, pressing and moulding the compound while in contact with the support and adheringly unite it thereto, and allowing the compound to solidify.

1,585,288. CARRIER-SORTING DEVICE FOR PNEUMATIC CONVEYER SYSTEMS. WILLIAM J. HEPPERLE, Bloomfield, N. J., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed June 11, 1921, Serial No. 476,871. Renewed Oct. 17, 1925. 10 Claims. (Cl. 243—16.)



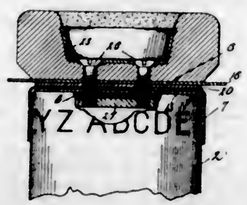
1. A carrier sorting device for pneumatic despatch tubes comprising a tube section having an outlet port in one end and an outlet port in one side wall thereof, an arm pivoted on said section and extending into the path of travel of carriers passing into the section, said arm having an upward inclination such that the end of the arm will engage the recess in the end of a recessed carrier and thereby cause the carrier to topple laterally into the outlet port in the side wall of the terminal section.

1,585,289. DESIGNATOR FOR PNEUMATIC CARRIERS. FRANK HOLDSWORTH, Eastwood, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Aug. 18, 1925. Serial No. 50,936. 8 Claims. (Cl. 40—21.)



8. A designator device for a pneumatic carrier comprising a colored celluloid annulus adapted to fit snugly over a cylindrical part of the carrier, said annulus having an inwardly directed radial flange adapted to engage the end surface of said cylindrical part, said flange being substantially no wider in a radial direction than the material of which said part is made.

1,585,290. INDICATING ARRANGEMENT FOR PNEUMATIC-TUBE CARRIERS. CHESTER S. JENNINGS, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Mar. 18, 1925. Serial No. 16,379. 9 Claims. (Cl. 40—68.)

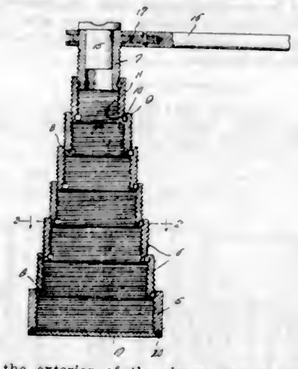


1. A carrier for pneumatic despatch systems comprising a substantially cylindrical casing having a head at one end, a rotatable band surrounding the casing, one of said parts carrying a plurality of marks or distinctive index characteristics thereon and the other having means for indicating the specific characterisics or marks desired, and means permanently fixed relatively to the head of the carrier and arranged to act on said band in a direction axially of said carrier to hold said band in adjusted position.

1,585,291. JACK. GEORGE JORDAN, Chilliwack, British Columbia, Canada. Filed Sept. 9, 1925. Serial No. 55,270. 3 Claims. (Cl. 254—102.)

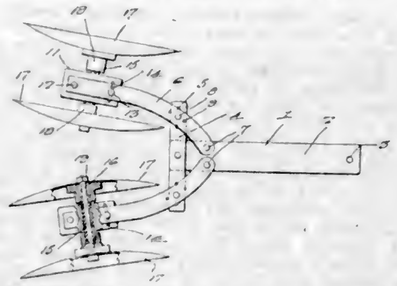
1. A jack structure of the class described including a plurality of threadedly and telescopically associated

sleeves, said sleeves provided interiorly with ratchet notches one at the top and one at the bottom, the notches of each sleeve being oppositely disposed, and spring



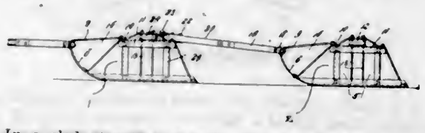
pawls on the exterior of the sleeves engageable in said notches to limit the movement of the sleeves in respect to one another.

1,585,292. RIDGE-BUSTER ATTACHMENT. WALTER KIRKPATRICK, Hutchinson, Kans. Filed Apr. 24, 1924. Serial No. 708,749. 1 Claim. (Cl. 97—54.)



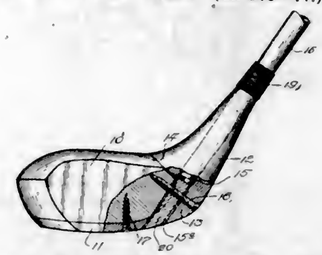
In an attachment of the class described, a draw bar having an angular offset portion, a cross arm mounted intermediate its ends on the upper surface of the offset portion, said cross arm being in the same plane as the draw bar, a pair of supporting arms pivotally mounted on the upper surface of said draw bar forwardly of said cross arm and extending to rest on the cross arm, means associated with the supporting arms and the cross arms so as to allow the independent adjustment of the supporting arms in angular relation to each other, bearing blocks on the rear ends of said supporting arms, and a disk element rotatably mounted on each bearing block.

1,585,293. STEEL BOBSLED. LEON LEGARE, Hoffman, Minn. Filed Apr. 9, 1923. Serial No. 630,751. 1 Claim. (Cl. 280—15.)



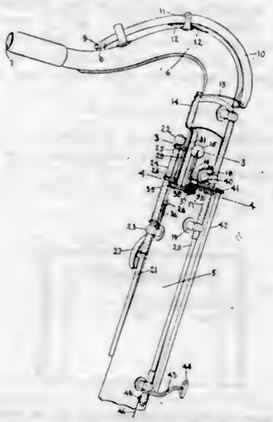
In a sled structure, a pair of runners, bottom horizontal angle irons fixed to the runners to extend longitudinally therewith on the upper surfaces thereof, a pair of upright angle bars extending from each of the first mentioned angle irons perpendicularly thereto, a pair of top horizontal angle irons, one on each pair of the upright angle bars at the upper ends thereof and disposed to extend parallel with the bottom angle irons, a cross member connecting the top horizontal angle irons, a brace depending from the rear end of each top horizontal angle iron to the rear end of the corresponding bottom iron, the forward ends of the runners being curved upwardly, braces extending from the intermediate portions of the curved ends to the forward ends of the top horizontal angle irons, braces extending from the terminals of the curved ends to the forward ends of the top angle irons, bolts rising from the bottom horizontal angle irons, through the top horizontal angle irons and the cross member, a plurality of truss members, a pair of said truss members engaged with the ends of each top horizontal angle iron and extending over the cross member, said bolts piercing the truss members, and nuts engaged on the upper ends of said bolts for holding said truss members and said cross member on said top horizontal angle irons.

1,585,294. GOLF CLUB. ALBERT C. LINK, Chicago, Ill., assignor to Thomas E. Wilson & Company, a Corporation of Delaware. Filed Apr. 18, 1924. Serial No. 707,424. 3 Claims. (Cl. 273—77.)



1. A golf club comprising, an integrally formed metallic sole plate and neck piece joined by a heel plate, said neck piece having an enlarged flattened surface at its lower end, a cooperating head piece of relatively softer non-metallic material attached to the upper surface of the sole plate and extending under the enlarged flattened surface of the neck piece, and a shaft extending through said neck piece and into the heel plate.

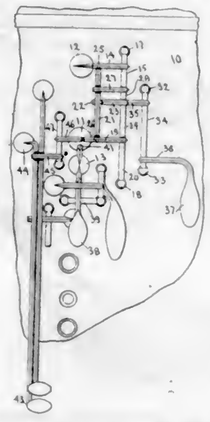
1,585,295. OCTAVE KEY. ALLEN LOOMIS, Toledo, Ohio. Filed Feb. 9, 1923, Serial No. 617,952. Renewed Mar. 19, 1926. 23 Claims. (Cl. 84—385.)



7. In an octave key mechanism of the class described the combination, with two octave keys, of a floating lever carrier pivoted to the body of the instrument, a floating

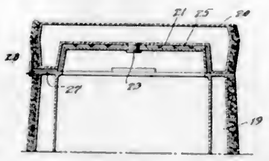
lever pivoted to said carrier and having an arm formed with two surfaces engaged with one of said octave keys to transmit force to the latter in respectively opposite directions, said lever having a second arm arranged to react on the instrument body when so exerting force in one direction, and the other octave key being engaged with said second arm to receive force applied in one direction by the latter and having a spring arranged to cause force application through said last-named octave key in the opposite direction against said arm.

1,585,296. KEY MECHANISM FOR CLARINETS AND THE LIKE. ALLEN LOOMIS, Elkhart, Ind. Filed Aug. 16, 1924. Serial No. 732,396. 15 Claims. (Cl. 84—382.)



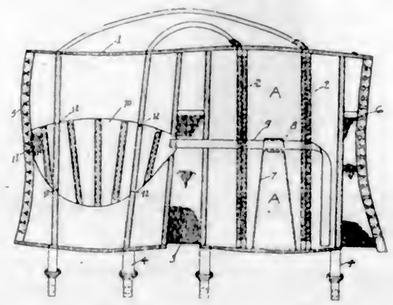
2. In a wood wind instrument of the character described having a register hole and two tone holes for adjacent notes in the scale, stoppers for said holes, a floating lever articulated to the register hole stopper and to the tone hole stopper for the hole of higher pitch, a carrier for said floating lever operable by a digit of the performer to raise said floating lever, a spring arranged to exert closing pressure at a point on said floating lever between its pivot and its point of connection with the register hole stopper, a key carrying the stopper for the tone hole of lower pitch and having an extension arranged to bear on the stopper for the tone hole of higher pitch, and a spring engaged with said last named key and arranged to exert closing pressure on the last named stopper superior to the force tending to open it when the first named key is pressed upon.

1,585,297. FURNACE. HENRY LIPKEMANN, New York, N. Y., assignor, by mesne assignments, to the Abco Boiler Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 25, 1923. Serial No. 670,743. 2 Claims. (Cl. 110—75.)



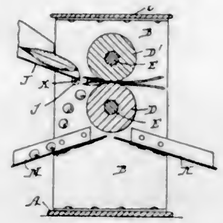
1. In a furnace, the combination of a crown section provided with spaced radial draft openings, a member positioned on the under side of said crown member and in close proximity thereto having openings corresponding to the radial openings thereof, said last named member having grooves extending radially from the circumference toward the center thereof upon its upper surface and in communication with the exterior atmosphere, and laterally extending grooves upon said last named member connecting said radial openings with said radial extending grooves.

1,585,298. CORSET BRASSIÈRE. FAY MCDONALD, Cincinnati, Ohio. Filed June 8, 1925. Serial No. 35,536. 2 Claims. (Cl. 2—27.)



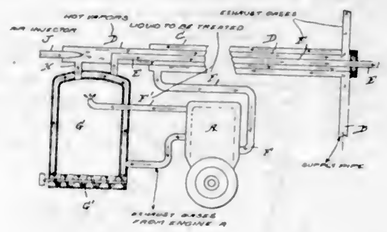
1. A body confining garment comprising a member to reach from above the busts to the lower portion of the abdomen, said body portion having elastic portions, giving elastic confinement to the abdominal regions, means for reinforcing the portion of the garment above the abdomen and below the busts, across the front of the body, and means concealed beneath the garment when in use for adjusting the tension of the reinforced front portion of the garment across the diaphragm independent of the elastic portion of the garment, in such a way as to hold the garment smoothly against the body across the diaphragm, said reinforcing means formed as a non-elastic pad secured to the front of the garment and extending across the diaphragm portion thereof, and having a member passing around the body beneath the garment when in use and secured adjustably to the pad again, thus serving as the adjusting means above referred to.

1,585,299. PEA-SHELLING MACHINE. NORMAN WILLIAM MCLEAN and WILLIAM ALEXANDER KYLE, Palmerston North, New Zealand. Filed May 21, 1923. Serial No. 640,540. 2 Claims. (Cl. 130—30.)



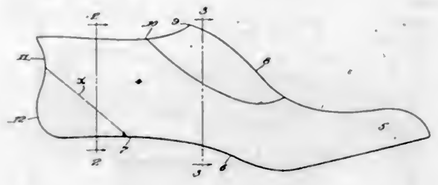
1. A small, portable pea shelling machine, comprising a frame consisting of a base plate adapted to rest on a table or other support, two vertical side cheeks fixed at their lower ends thereto in spaced, parallel relation, and a cover plate extending across the upper ends of the cheeks and fixed to the same; coacting shelling rollers mounted in the space between said cheeks; an inclined feed tray extending into the frame between said cheeks and connected therewith, said tray terminating at its lower end adjacent said rollers; an inclined discharge chute for the shelled peas fixed between the cheeks to extend forwardly and downwardly from beneath the rollers; and a separate inclined discharge chute for the shells fixed between said cheeks to extend downwardly and rearwardly from beneath said rollers.

1,585,300. PROCESS FOR THE SEPARATION OF THE SOLID CONSTITUENTS OF LIQUIDS CONTAINING THEM. HECTOR NORMAN MCLEOD, Wellington, New Zealand. Filed June 28, 1924. Serial No. 723,067. 7 Claims. (Cl. 159—3.)



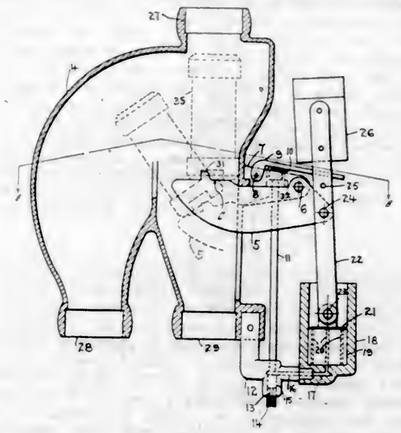
2. A continuous process for the recovery of the solid constituents of liquids containing them, comprising the steps of supplying the liquid to the jacket of an engine cylinder to be heated thereby; injecting the heated liquid from such jacket under pressure into a jacketed precipitation chamber in spray form; simultaneously delivering the hot exhaust gases from the engine into the jacket of said chamber to help vaporize the spray and precipitate the solid constituents of the liquid; and simultaneously withdrawing the heated vapors from said chamber and the hot gases from its jacket and circulating them in counter-current in the path of a stream of fresh liquid, internally of such stream, to preheat the latter before it reaches the engine cylinder.

1,585,301. LAST FOR MAKING SLIPPERS, LOW SHOES, OR OXFORDS. MICHAEL F. MCNIFF, Chicago, Ill., assignor of one-fourth to Jay D. Miller, Chicago, Ill. Filed Mar. 16, 1925. Serial No. 16,055. 5 Claims. (Cl. 12—141.)



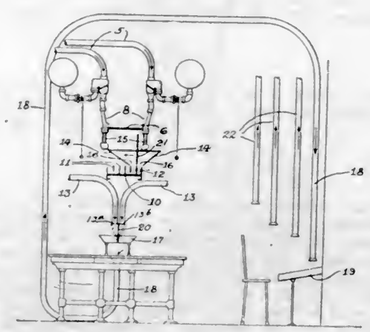
1. A last having the contour of the heel formed by two oppositely curved merging arcs, the lower arc being convex and the upper arc being concave, whereby a shoe made from the last will be contracted and tightened immediately above the bony part of the heel and tension exerted downwardly toward the arch.

1,585,302. CARRIER DISTRIBUTOR. JAMES G. MACLAREN, Mamaroneck, N. Y., assignor, by meane assignments, to The Lamson Company, a Corporation of Massachusetts. Filed Mar. 26, 1920, Serial No. 369,084. Renewed Mar. 9, 1925. 25 Claims. (Cl. 243—16.)



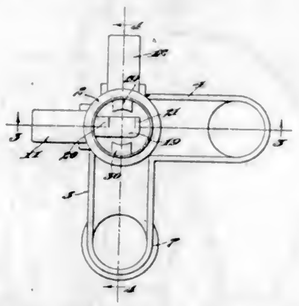
6. In a carrier distributor, a pivoted gate extending into the path of traveling carriers, and means for normally holding said gate in said path and for momentarily retarding the movement of said gate when engaged by a carrier, and an outlet to receive carriers toppled from said gate.

1,585,303. CENTRAL DISTRIBUTING APPARATUS FOR DISPATCH SYSTEMS. JAMES G. MACLAREN, Mamaroneck, N. Y., assignor by mesne assignments, to The Lamson Company, a Corporation of Massachusetts. Filed Apr. 27, 1922. Serial No. 556,865. 18 Claims. (Cl. 243—16.)



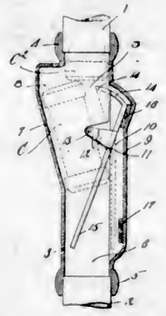
16. Distributing apparatus for a pneumatic dispatch system comprising a desk having a plurality of operators' stations spaced along the same, carrier delivery terminals disposed in groups along the desk, and means adjustable at will to transfer carriers from any selected group of terminals to any selected station.

1,585,304. CARRIER DISTRIBUTOR FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, a Corporation of Massachusetts. Original application filed Mar. 26, 1920, Serial No. 369,084. Renewed Mar. 9, 1925. Divided and this application filed Mar. 11, 1925. Serial No. 14,690. 15 Claims. (Cl. 243—16.)



1. Distributing apparatus for a pneumatic dispatch system in which carriers of different classes are employed comprising a casing having lateral discharge openings disposed substantially a quadrant of arc apart about the periphery of the casing, and means for delivering carriers in accordance with their respective classes through the several discharge openings.

1,585,305. SPACING DEVICE FOR PNEUMATIC DISPATCH SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, a Corporation of Massachusetts. Original application filed Mar. 26, 1920, Serial No. 369,084. Renewed Mar. 9, 1295. Divided and this application filed Mar. 11, 1925. Serial No. 14,692. 12 Claims. (Cl. 243—16.)

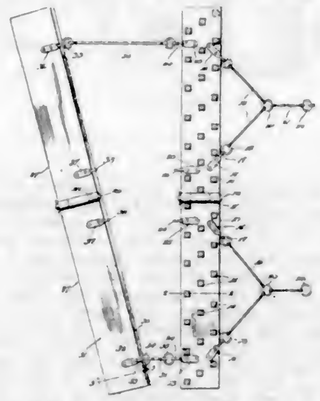


1. In a conveyor system the combination with means for guiding moving articles in a predetermined path, of means actuable by the advancing end of an article moving along said path to swing the following end of said article laterally of said path whereby to provide a recess at one side of said following end for the entry of a stop element and simultaneously to release said advancing end for continued movement along the predetermined path.

1,585,306. MOP. RALPH GORDON STANLEY MACPHERSON, Christchurch, New Zealand. Filed Mar. 14, 1925. Serial No. 15,494. 2 Claims. (Cl. 15—120.)

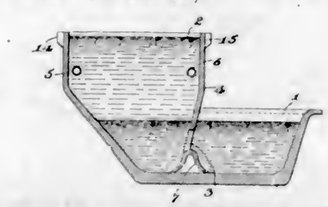
1. In a mop, the combination with a handle having a metallic socket piece extending from its bottom and a collar designed to turn and slide on such handle, of a mop head having its upper edge fastened around the said collar, and a metallic ferrule into the lower end of which the bottom edge of the said mop head is fastened and the top end of which is tapered and split longitudinally so that the handle socket may be forced over it with a gripping action.

1,585,307. ROAD-MAINTENANCE MACHINE. MELVIN L. MANEY, West Asheville, N. C. Filed Dec. 31, 1924. Serial No. 759,131. 1 Claim. (Cl. 37—145.)



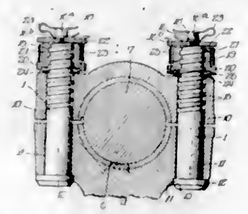
A road machine comprising a surface scarifying member provided with a plurality of rows of scarifying elements having a staggered relation, and comprising hingedly connected sections, a drag in the rear of the scarifying member and arranged at an angle and comprising corresponding hingedly connected sections, and including a narrow forwardly inclined flange and a wide rearwardly inclined flange, and flexible connecting means between corresponding sections of the scarifying member and drag.

1,585,308. TINNING POT. JOHN J. MARKEY, Washington, Pa. Filed Feb. 19, 1925. Serial No. 10,436. 2 Claims. (Cl. 266—39.)



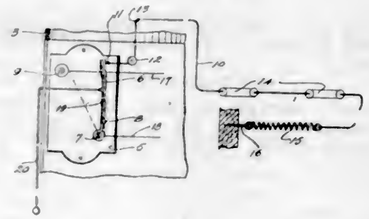
1. A tinning pot made from a substantially U-shaped plate bendable under heat, the plate constituting the bottom and side walls of the pot, and a plate connected to the end edges of the U-shaped member constituting the end members of the pot.

1,585,309. WEAR COMPENSATING BOLT. GUSTAV C. MONCKMEIER, Tipton, Iowa. Filed May 14, 1924. Serial No. 713,151. 12 Claims. (Cl. 85—32.)



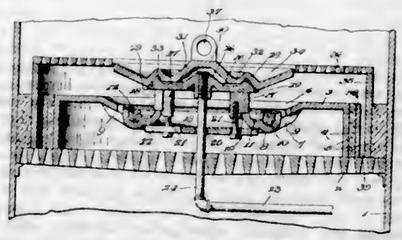
1. In a device of the class described, the combination with a bolt and nut, of means operable upon the nut to compensate automatically for wear of the parts with which the bolt and nut are associated, and means for permitting temporary limited retraction of the parts.

1,585,310. CIRCUIT CLOSER. JAMES R. MOOR, Spokane, Wash. Filed Apr. 11, 1922. Serial No. 551,629. 1 Claim. (Cl. 200—142.)



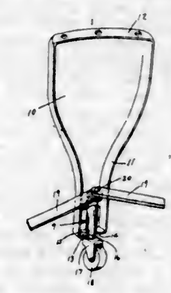
In a fire alarm a circuit maker including a pair of separable pivoted switch arms normally lying in close electrical contact and a supporting terminal post forming a single pivot for said arms, a cord attached to the free end of one of said arms and a spring attached to the cord for holding the latter under tension, a stationary terminal post in the path of movement of the circuit maker, and a pull cord attached to the free end of the other arm whereby said arms may be separated and the second arm moved independently of the first arm to contact with the stationary terminal post.

1,585,311. OIL BURNER. OLIVER J. MOUSSETTE, Richmond Hill, N. Y. Filed Feb. 19, 1925. Serial No. 10,401. 7 Claims. (Cl. 158—80.)



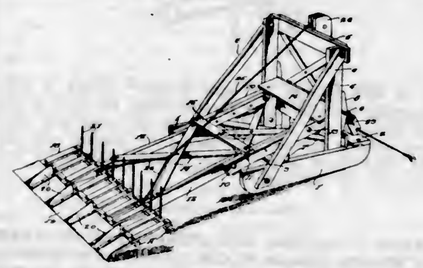
7. In an oil burner, the combination of a base plate having a depending imperforate rim adapted to rest upon a furnace grate, the base plate having a central opening therethrough and having a downwardly inclined annular portion leading to said opening, an annular ignition pan disposed within said opening in spaced relation to said downwardly inclined portion of the base plate and supported thereby, the pan having concentric grooves in its upper side and having its upper side at its edge flush with the upper side of the downwardly inclined portion of the base plate, a wick in the outer groove, means for supplying fuel to the inner groove, a lower burner plate disposed above the ignition pan, means cooperating with the inner marginal portion of the ignition pan and the bottom of the burner plate to clamp the burner plate to the ignition pan in vertically spaced relation, an upper burner plate disposed over and mating with the lower burner plate and supported at the margin of the latter in spaced relation thereto, the space between the burner plates diminishing vertically from their centers to their edges and the upper burner plate having an upwardly and outwardly extending margin overhanging the downwardly inclined portion of the base plate and parallel therewith, and means for supplying fuel to the space between the burner plates at the center thereof.

1,585,312. COMBINATION LEG BRACE AND CASTER-SUPPORT BRACKET. WILLIAM H. NOELTING, Evansville, Ind., assignor to Faultless Caster Company, Evansville, Ind., a Corporation. Filed May 22, 1925. Serial No. 32,050. 5 Claims. (Cl. 16—29.)



1. A combination bracket including a single sheet of metal providing a tubular caster stem receiving body with a single longitudinal parting, wing means extending from said parting for bracket anchorage, and an extension closing one end of the body and continuing upwardly beyond the body and in line with the parting for support purposes other than caster stem retainment or bracket anchorage.

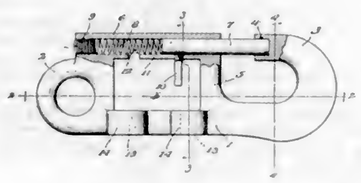
1,585,313. HAYSTACKER. JAMES P. OLSON, Mobile, Ala. Filed June 12, 1925. Serial No. 36,735. 2 Claims. (Cl. 214—144.)



1. A stacker comprising arms mounted for rocking movement, a platform carried by said arms and consisting of a pair of crosa bars secured directly to the

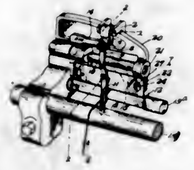
arms and slats carried by and projecting beyond the cross bars, a plate secured upon and covering the outer ends of all the slats, and cleats secured upon the upper side of said plate parallel with said slats.

1,585,314. SNAP HOOK. JESSE M. PERICLE, Hutchinson, Minn. Filed Aug. 5, 1925. Serial No. 48,355. 1 Claim. (Cl. 24—238.)



A snap hook comprising a shank having an upstanding eye at its rear end and its forward end portion extended upwardly and rearwardly to form an overlapping bill, the upper forward portion of said eye being thickened, a post extending upwardly from said shank intermediate said eye and bill and rigid with the shank, said shank being provided between the post and eye with openings to receive fasteners whereby the hook may be secured longitudinally upon a staff, a sleeve extending between said post and eye with its forward end portion rigid with the upper end of the post and its rear end portion overlapping the thickened forward portion of the eye and rigid therewith, the under portion of said sleeve being formed with a longitudinally extending slot, a closure for the rear end of said sleeve, a bolt slidable longitudinally in said sleeve and of a length to bridge the space between the bill and forward end of the sleeve with its rear end in overlapping relation to the forward end portion of said slot, a spring in said sleeve engaging the inner end of said bolt to yieldably resist rearward movement thereof, and a trigger carried by said bolt and extending through said slot whereby said bolt may be retracted.

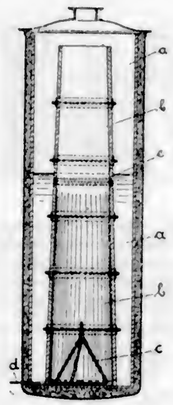
1,585,315. SLUB CATCHER. ALPHONSE R. PERRIN, Westbrook, Me. Filed Apr. 28, 1925. Serial No. 26,475. 8 Claims. (Cl. 28—64.)



1. A slub catcher for yarn grippers having a slot, comprising a feeler finger pivoted above the slot of the yarn gripper and extending across the same and provided with a vertical slot forming a passage for the yarn, said feeler finger being readily yieldable to the movements of the yarn.

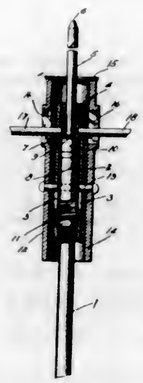
1,585,316. PROCESS FOR PRODUCTION OF LEAD ACETATE. RUDOLF PLAUELN, Offenbach-on-the-Main, Germany. Filed May 20, 1924. Serial No. 714,683. 2 Claims. (Cl. 260—11.)

1. The herein described method of producing lead acetates from metallic lead, consisting in placing lead in a liquid lead solvent of acetic acid character, and forcing compressed air upwardly through the mass of



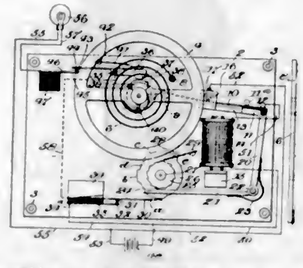
the lead and solvent, causing a continuous vertical circulation by means of the compressed air through the solvent.

1,585,317. BOTTLE WASHER. WILLIAM CHRISTIAN SIEVERS, New Albany, Ind. Filed Jan. 26, 1923. Serial No. 615,138. 1 Claim. (Cl. 141—7.)



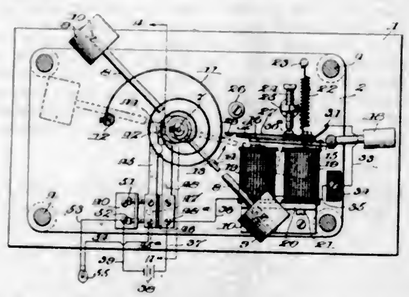
In a device of the character described, a tubular casing, said tubular casing having lateral elongated openings formed therein, a shell mounted within the casing and having elongated openings, pipes extending through the elongated openings of the casing and terminating within the shell to supply fluid thereto, a pipe extending into the upper end of the shell and adapted to receive fluid from the shell, a plunger mounted within the shell, a pin supported by the casing and extending through the elongated openings of the shell, said pin having connection with the plunger to move the plunger when the casing is moved, said plunger adapted to normally engage the inner end of the last mentioned pipe to cut off the supply of fluid therethrough, and a coiled spring engaging the plunger for normally holding the plunger in its inactive position.

1,585,318. TIME-CONTROLLED ELECTRIC SIGNALING DEVICE. ARTHUR W. TUPPER, Riverdale, Md., assignor to J. Austin Stone, J. Hanson Boyden, and William C. Prentiss, jointly, all of Washington, D. C. Filed Oct. 8, 1921. Serial No. 506,442. 13 Claims. (Cl. 200—90.)



3. The combination with an electric circuit, of periodic timing mechanism for controlling the same, such mechanism comprising an oscillatory momentum device, an abutment pin carried thereby, a spring lever arranged in the path of travel of said pin and serving as a yielding buffer against which said pin engages to arrest the movement of said device, as it approaches the end of each oscillation, and automatic means for suddenly increasing the tension of said spring after such engagement, whereby the energy stored in said spring by the stopping of said device is returned to said device as it begins its swing in the opposite direction.

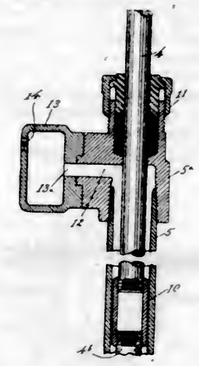
1,585,319. PERIODIC ELECTRIC SIGNALING DEVICE. ARTHUR W. TUPPER, Riverdale, Md., assignor to J. Austin Stone, J. Hanson Boyden, and William C. Prentiss, jointly, all of Washington, D. C. Filed Mar. 19, 1923. Serial No. 626,133. 19 Claims. (Cl. 200—90.)



1. Periodic timing mechanism comprising an oscillatory momentum device, a lever normally out of contact with but adapted to engage said device near the end of each oscillation thereof to impart driving impulses thereto, an electromagnet for operating said lever, and means controlled by the movement of said momentum device at each oscillation thereof for closing the circuit of said electromagnet at such a point in the cycle as to compensate for the magnetic lag thereof and cause it to move said lever at the moment when such movement will be most effective to impel the device.

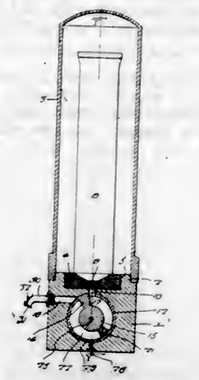
1,585,320. DOUBLE-PLUNGER PUMP. GEORGE E. WILLERS, Lawrenceburg, Ind., assignor to A. D. Cook, Inc., Lawrenceburg, Ind., a Corporation of Indiana. Filed Dec. 29, 1924. Serial No. 758,544. 4 Claims. (Cl. 103—200.)

1. In a double plunger pump, the combination of an outer hollow pump rod, and an inner pump rod passing down through the said outer rod, means for guiding the inner rod at the point of entrance into the outer rod, and a member for mounting the outer rod having an oil chamber therein, with an air vent in the upper portion



of said chamber, said chamber communicating with the interior of the rod, and formed so as to catch lubricant pumped upwardly through the outer rod, for the purpose described.

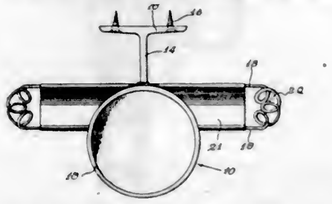
1,585,321. DISPENSING DEVICE. ARTHUR C. WILSON, Atlanta, Ga. Filed July 24, 1924. Serial No. 727,927. 1 Claim. (Cl. 221—106.)



A dispensing device comprising a base provided with an inlet opening in the top thereof, with which is adapted to be communicated the opening of a paste tube said base provided with an outlet opening in the side thereof, a charge receiving chamber rotatably mounted in the base and being in the form of a shell, having one end open and the other end closed, a hub extending inwardly from the closed end of the shell, a partition disposed between the inner surface of the shell and the hub, said shell provided with an opening adjacent the partition adapted to be brought into registry with the openings of the base, an actuating member in said base frictionally engaged with the open end of the shell and provided with a plunger extending into the shell, means for limiting the movement of the shell so that at one limit the outlet opening registers and at the other limit the inlet opening registers with the opening in the shell, whereby when the actuating member is rotated in one direction, the opening of the shell is brought into registry with the inlet opening of the base and the shell is then stopped and the further rotation of the actuating member moves the plunger to create

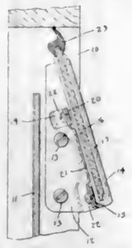
a vacuum in the shell for drawing paste from the tube, and by then reversing the movement of the actuating member, the shell will be rotated to register its opening with the outlet opening of the base and the continued rotation of the actuating member will cause the plunger to expel the paste from the shell through the opening thereof and through the outlet opening of the base.

1,585,322. HOLDER FOR TOOTHBRUSHES, PASTE TUBES, OR TOOTH POWDER AND TUMBLERS. HARRIET C. ALGER, Portland, Oreg. Filed July 18, 1924. Serial No. 726,785. 3 Claims. (Cl. 248—63.)



1. A device of the character described comprising a frame having forward and rear bars and end portions connecting said forward and rear bars, said end portions being provided with a brush-supporting loop extending inwardly of the frame, a shank extending upwardly from said rear bar intermediate its length and adapted to be secured to a support, and a bracing member disposed between said forward and rear bars, said bracing member being of less length than said frame and having walls mounted at their upper ends upon the forward and rear bars between the said end portions of the frame.

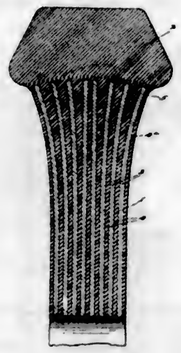
1,585,323. VENTILATOR. NEIL T. ALBRIGHT, Kokomo, Ind., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind., a Corporation. Filed May 25, 1925. Serial No. 32,694. 3 Claims. (Cl. 98—22.)



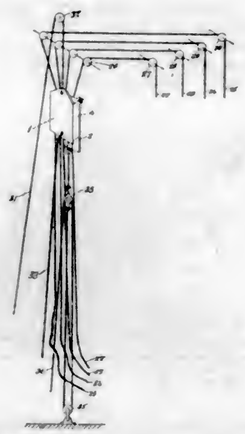
1. A ventilator comprising a glass plate, an end bracket mounted at each end of said plate, said end bracket being provided with an inwardly turned flange portion along the side edge thereof, and an upwardly turned U-shaped portion at the bottom for receiving the glass plate, a resilient securing strip normally bowed inwardly toward the glass when mounted in position, and means for rigidly securing the ends of said strip to the bracket for compressing the bowed portion and resiliently forcing it in clamping position against said glass for firmly holding said glass in position against the flange portion of said bracket.

1,585,324. COMPOSITE VEHICLE WHEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1924. Serial No. 708,940. 6 Claims. (Cl. 301—63.)

6. A vehicle wheel comprising a body made up of a number of plies of veneer, the intermediate plies being substantially flat and parallel to one another throughout their areas and the plies outwardly therebeyond having their peripheral portions outwardly curved in the direction of the adjacent faces of the body, intervening bonding plies of rubber associated with the veneer plies, and a tread of rubber peripherally surrounding the body and integrally united with the said intervening bonding plies.



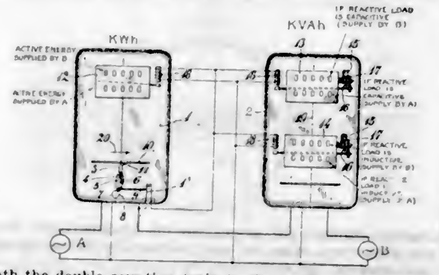
1,585,325. LIFTING DEVICE. JOSEPH BAMBERGER, Cincinnati, Ohio. Filed Nov. 22, 1924. Serial No. 751,419. 5 Claims. (Cl. 254—141.)



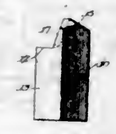
1. A lifting device, comprising a pair of clamping members arranged to be assembled slidably on a rope, means for securing a pulley to said members, means for lifting said members along said rope whereby they are arranged to convey said pulley for the operation of said rope, and means for clamping said members upon said rope.

1,585,326. MEASURING DEVICE IN THE CONNECTING LINE BETWEEN TWO ELECTRIC POWER STATIONS WORKING IN PARALLEL. WILLI BEUSCH, Zug, Switzerland, assignor to Landis & Gyr S. A., Zug, Switzerland, a Swiss Firm. Filed Aug. 20, 1924. Serial No. 733,235. 3 Claims. (Cl. 171—34.)

1. A measuring device in the connecting line between two power stations working in parallel, comprising one watthour meter and one reactive meter, said watthour meter having one double counting train and said reactive meter having two double counting trains, of which double counting trains each of the latter registers according to one direction of rotation, and means which change over both the double counting train in the watthour meter and the two double counting trains in the reactive meter when the direction of rotation of the watthour meter changes.

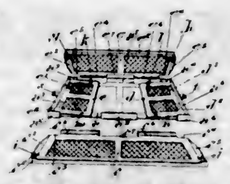


1,585,327. PEENING TOOL. RICHARD A. BOOKER, Richmond, Ind., assignor to Richmond Piston Ring Co., Richmond, Ind., a Corporation of Indiana. Original application filed Mar. 30, 1922, Serial No. 548,111. Divided and this application filed Aug. 21, 1923. Serial No. 658,568. 5 Claims. (Cl. 78—1.)



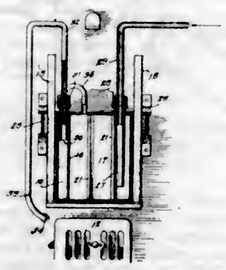
5. A peening tool having a conical striking face substantially triangular in base outline, a groove in the base of the triangle, the surface of the striking face gradually and uniformly sloping from said groove to the sides so that when he peening tool comes in contact with a surface a lune shaped impression is formed which has its greatest depth and width at the center of the lune, said impression gradually decreasing in depth from the center towards the sides of the lune.

1,585,328. COLLAPSIBLE PACKING CASE. EMILE CHAPOTAT, Vienne, France. Filed Aug. 30, 1923. Serial No. 660,218. 2 Claims. (Cl. 220—6.)



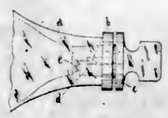
1. A collapsible packing casing comprising a top and bottom having flanges on their opposing sides at their end and side edges, said flanges being at right angles thereto; and wall members hinged to the bottom and arranged, when the case is set up, to bear against the inner sides of the end flanges of the top and bottom, and side wall members arranged to fit between the top and bottom and to bear against the inner sides of the side flanges of the top and bottom, said side wall members having inwardly extending flanges at their upper and lower sides to bear against the top and bottom and also having inwardly extending flanges at their ends to bear against the outer sides of said end wall members, all of said flanges coacting to provide for pivotal movement of the lateral walls and of the bottom, and means to secure said end wall members and said side wall members together.

1,585,329. STEAM GENERATOR. ELMER W. CLEVENGER and JOHN PAUL WINE, Stephens City, Va., assignors of one-third to Orum H. Ingram, Martinsburg, W. Va. Filed Mar. 28, 1924. Serial No. 702,654. 2 Claims. (Cl. 122—498.)



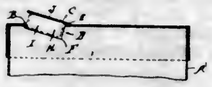
1. A device of the character described comprising a pair of spaced guides adapted to be arranged on opposite sides of the fire box opening of a furnace, a casing slidably mounted in said guides and divided transversely by a vertical wall to form water and steam compartments, said steam compartment being adapted to be arranged wholly to one side of the fire box opening, a pipe communicating between the upper ends of said compartments, means for supplying water to said water compartment, and a steam pipe connected to said steam compartment.

1,585,330. INFANT'S FEEDING BOTTLE AND THE LIKE. RICHARD STANLEY DOWELL and ALBERT WALTON DOWELL, London, England. Filed June 26, 1924. Serial No. 722,597. 1 Claim. (Cl. 215—11.)



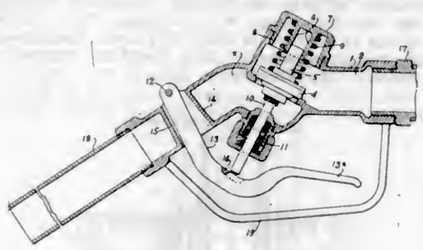
An infant's feeding bottle or the like of the kind referred to comprising a neck portion and a stopper adapted to fit therein, one of said parts having a recess communicating with the atmosphere and adapted to register with a recess in the other of said parts, said last mentioned recess being connected with the interior of the receptacle by a sinuous channel arranged laterally of said recess.

1,585,331. CLOSURE. WILLIAM F. DOWNING, Jr., St. Clair, Mich., assignor to Diamond Crystal Salt Company, St. Clair, Mich., a Corporation of Michigan. Filed July 28, 1924. Serial No. 728,706. 9 Claims. (Cl. 221—11.)



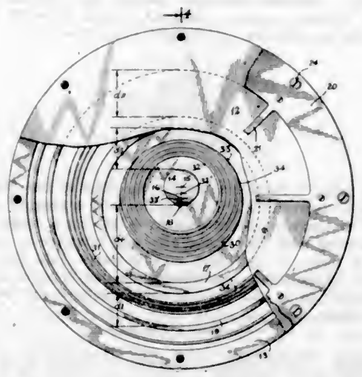
1. The combination with a receptacle having a circular aperture therein, of a closure for said aperture having a substantially cylindrical outer wall, projections at the inner edges of said wall, a circular top flange larger than said aperture, and upwardly converging side walls within said cylindrical wall adapted to form a pouring channel.

1,585,332. NOZZLE FOR FILLING STATIONS. ELMER H. EICKMAN, Dayton, Ohio, assignor to Buckeye Iron & Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 26, 1925. Serial No. 58,914. 13 Claims. (Cl. 251—134.)



4. In a nozzle, a valve for controlling passage of liquid therethrough, a lever for actuating said valve, said lever being so formed and mounted that its free end occupies a position sufficiently close to the nozzle that an operator may hold the nozzle and actuate the lever with one hand, the movement imparted to said lever being sufficient to fully lift the valve, and a guard to prevent the accidental actuation of said lever when the nozzle is not in use, said guard completely enclosing said lever.

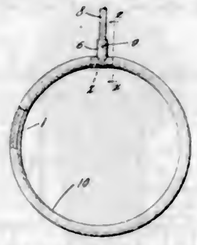
1,585,333. TELEPHONE. JOSEPH MASSOLLE, Berlin-Grunewald, HANS VOGT, Berlin-Wilmersdorf, and JOSEF ENGL, Berlin-Grunewald, Germany, assignors to Tri-Ergon, Limited, Zurich, Switzerland, a Corporation of Switzerland. Filed Mar. 26, 1925. Serial No. 18,620. 22 Claims. (Cl. 179—106.)



1. In a telephone, the combination of a diaphragm, a plate, and means for clamping the diaphragm to the plate, in spaced relation thereto, comprising rings eccentric to the diaphragm to provide vibratory diaphragm portions having different natural rates of vibration.

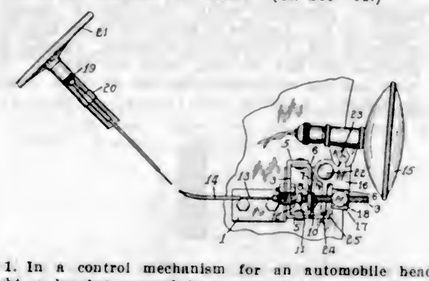
1,585,334. GYMNASIUM EQUIPMENT. JAMES L. ENSOR, Cookeville, Tenn. Filed July 7, 1923. Serial No. 650,038. 3 Claims. (Cl. 272—61.)

1. In a gymnasium ring, the combination with a rigid core, of a one piece split sleeve folded about the core, cooperating means on the core and sleeve for holding them against relative longitudinal movement, opposed recessed extensions integral with the sleeve, a flexible supporting element extending therebetween, and means ex-



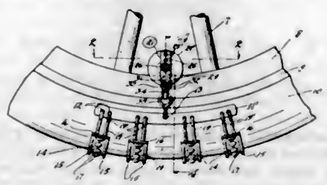
tending through the extensions for binding them upon the supporting structure and holding the sleeve against expansion on the core.

1,585,335. ADJUSTABLE SPOTLIGHT BRACKET. FAY O. FARWELL, Toledo, Ohio. Filed Nov. 22, 1924. Serial No. 751,452. 2 Claims. (Cl. 240—61.)



1. In a control mechanism for an automobile head light, a bracket secured to a part of an automobile, a member vertically pivoted on said bracket, a second member horizontally pivoted on said first member, a lamp secured to the said second member, a control member located in proximity to the driver's seat of the automobile, a rod connected to the control member, a screw connected to the rod for actuating the horizontally pivoted member and the vertically pivoted member, whereby the rotating of the control member will move the axis of the light of the lamp in one plane and the longitudinal movement of the control member will move the axis of the lamp in another plane.

1,585,336. GRIPPING ATTACHMENT FOR TIRES. ROBERT J. FEJA, Chicago, Ill. Filed Aug. 11, 1924. Serial No. 731,323. 1 Claim. (Cl. 152—14.)

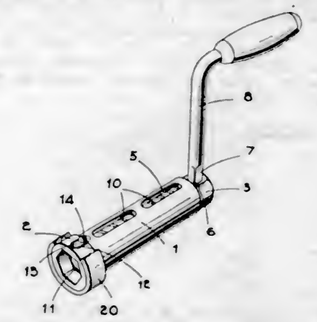


An attachment of the character set forth including a pair of rigid tire engaging side members; there being spaced pairs of apertures transversely through said side member; ground grips adapted to cross the face of a tire and provided with terminal apertures; rod members bent into U-shaped links and linked loosely through said terminal apertures; and open hooks on the extremities of the U-shaped links detachably hooked through the pairs of apertures of the rigid side members.

1,585,337. APPARATUS FOR DISTRIBUTING RAILWAY VEHICLES FROM A MAIN LINE OVER A GROUP OF LINES. JOHANNES FEUERLEIN, Zehlendorf, near Berlin, Germany. Filed Feb. 27, 1925. Serial No. 12,027. 14 Claims. (Cl. 104—49.)

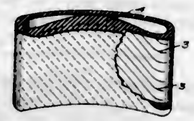
3. Apparatus for distributing railway vehicles from a fixed main line over a group of fixed lines, having in combination, a plurality of girder sections carrying rails, said sections being pivotally mounted at one end and substantially rigidly mounted at the other, laterally movable undercarriages, the pivots of all said sections except the first being mounted on said laterally movable undercarriages, and each undercarriage rigidly supporting the end of the proceding section.

1,585,338. MAGAZINE SPANNER. WILLIAM THOMAS FISHER, Coventry, GEORGE HENRY WHITEHOUSE, Tipton, and GEORGE FREDERICK ROSS PINEGER, Little Aston, near Aldridge, England, assignors to The Whale Magazine Spanner Company Limited, Tipton, England. Filed Nov. 27, 1924. Serial No. 752,496. 1 Claim. (Cl. 81—125.)



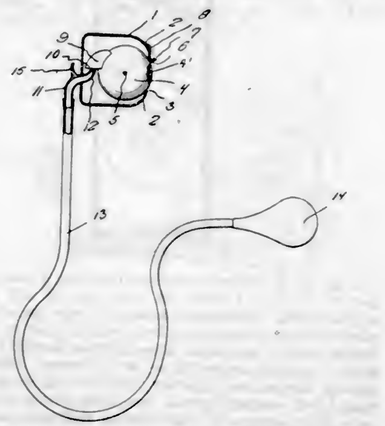
A magazine spanner comprising in combination a tubular casing of cast metal, there being a tapering internal surface to said casing which converges towards the mouth thereof, longitudinal openings in the walls of the casing, and an integral externally projecting reinforcement at the mouth of the casing, a plate spring secured to the external surface of the casing by a single screw, there being a recess in said externally projecting reinforcement forming a guide and a housing for the free end of the plate spring, a retaining member separate from the plate spring but in engagement with the free end thereof and extending inwardly through a hole in the casing, a band of rubber around the mouth of the casing and forming both a self securing cover for the recess and a buffer at the operative end of the spanner, a helical ejecting spring within the casing, a recess at the rear of the casing for receiving one end of the helical spring, a sliding plunger within the casing and engaged by the other end of the helical spring, there being a non-circular extension at the rear of the casing and a non-circular transverse hole in said extension, and a cranked handle having an end adapted to fit said non-circular hole.

1,585,339. PNEUMATIC TIRE. ARTHUR G. FITZ GERALD, Brookline, Mass. Filed Dec. 22, 1923. Serial No. 682,187. 8 Claims. (Cl. 152—13.)



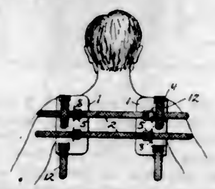
1. In a pneumatic tire, a tread portion having a series of threads incorporated therein and extending diagonally across the tread and terminating substantially at the edges of the tread to cause compression of the tread portion when the tire is inflated.

1,585,340. TOY BLINKING EYE. GEORGE BRUCE FITZGERALD, Douglas, Ariz. Filed Sept. 26, 1925. Serial No. 58,863. 2 Claims. (Cl. 46—40.)



2. A toy blinking eye, comprising a casing having an opening therein, an eye simulating member rotatably mounted in said casing and projecting into said opening, a projecting member mounted on said eye simulating member within the casing, normally adapted to rotate said eye simulating member in one direction, a tubular member mounted in said casing, having one end terminating therein and adapted to engage said projecting member to limit the rotative movement of the eye simulating member, and means associated with said tubular member for operating said eye simulating member.

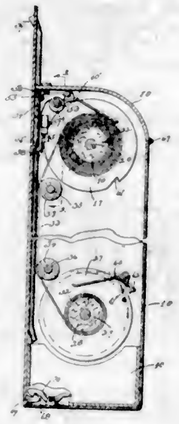
1,585,341. SURGICAL APPLIANCE. ROY D. FOULKE, Warsaw, Ind., assignor to Winifred De Puy, Warsaw, Ind. Filed Sept. 18, 1922. Serial No. 588,805. 1 Claim. (Cl. 128—83.)



In a clavicle splint of the class described, a pair of pads, brace members within said pads, auxiliary pads connected to the main pads and adapted to extend around and under the arms of the patient whereby said

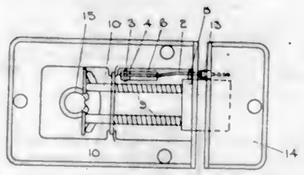
main pads will be positioned upon the scapulas of the patient, and adjustable connections secured to the main pads at points spaced from their adjacent inner edges whereby said main pads may be drawn together and rocked and the shoulders of the patient drawn backwardly.

1,585,342. INFORMATION-VENDING MACHINE. MARION L. GILBERT and ROY GILBERT, Des Moines, Iowa. Filed Mar. 2, 1925. Serial No. 12,554. 6 Claims. (Cl. 40—86.)



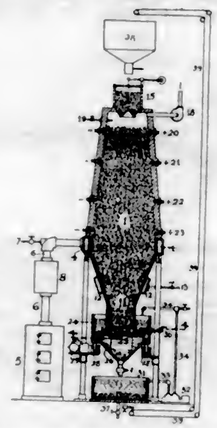
1. In an information vending machine, a housing having an opening, a drum on each side of said opening, a guard disc of greater diameter than the drums secured to and mounted on each side of each of the said drums, one of said discs of each drum having a ratchet notch in its periphery, a sheet having information printed thereon and having each end secured to said drums and wound thereon, two arms pivotally mounted near their centers on said housing and each having one of their ends extending over a drum respectively and their other end normally extending over the notched disc of that drum, but capable of engaging said notch and preventing the rotation of that drum in one direction when the end extending over the drum is raised a certain distance, and a means for selectively rotating said drums.

1,585,343. LATCH. HARDMAN ALLGOOD GOOD, Whangarei, New Zealand. Filed Oct. 24, 1924. Serial No. 745,547. 1 Claim. (Cl. 292—169.)



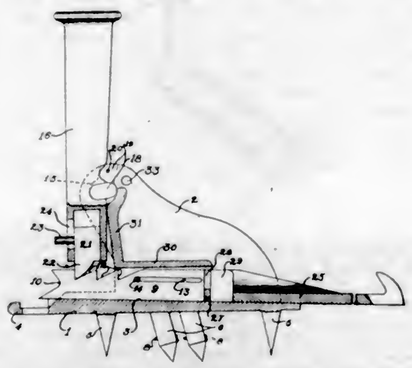
In a latch, the combination with a latch body, of a spring pressed square ended bolt reciprocable in said body, a pin projecting from a lateral face of the bolt, an elongated catch pivoted to said body in a plane parallel to and at one side of the plane of reciprocation of the bolt, said catch having a notch intermediate its ends to engage said pin, an enlargement at the end of said catch opposite the pivoted end, and an adjustable pin with which said enlargement cooperates in the working of the latch.

1,585,344. METALLURGICAL APPARATUS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Aug. 19, 1924. Serial No. 732,974. 13 Claims. (Cl. 204—64.)



1. In metallurgical apparatus, a vertical shaft furnace divided into a heating section and a cooling section and adapted to receive the material to be treated, electrodes arranged at different elevations in the heating section for heating the material, means for injecting a reacting fluid into the heated material in the shaft, and means at the lower portion of the cooling section for removing the treated material in a substantially continuous stream.

1,585,345. TRACK LINER. FREDERICK HACKMANN, Chicago, Ill. Filed Aug. 20, 1923. Serial No. 658,220. 5 Claims. (Cl. 254—43.)

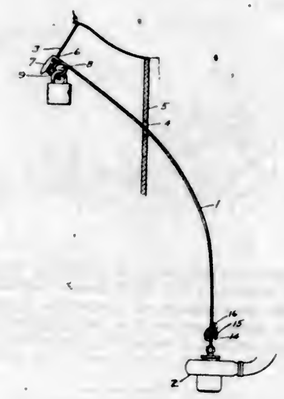


1. A track liner comprising a base, a track engaging bar movably mounted thereon, pivotally mounted means for operating said bar, a track engaging extension removably secured to said bar and a guide member slidably engaging the lower surfaces of said bar and said extension.

1,585,346. CARBURETOR ADJUSTER AND GASOLINE-LINE-LOCKING DEVICE. RAYMOND G. HALLOCK, Bremerton, Wash. Filed Dec. 26, 1923. Serial No. 682,706. 2 Claims. (Cl. 137—139.)

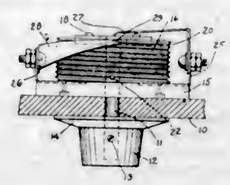
2. A means for adjusting the carburetor of a motor vehicle from the instrument board comprising a bar having projections at the lower end that may be placed

in the opening at the top of the needle valve stem; a handle at its upper end which may project through the instrument board; a means for holding the upper



end to the instrument board; and suitable means for locking the lower end to the carburetor and also for locking the upper end to the instrument board.

1,585,347. VERNIER RHEOSTAT. OLA F. HESLAR, Marion, Ind., assignor to Indiana Manufacturing & Electric Co., Marion, Ind., a Corporation of Indiana. Filed Oct. 30, 1922, Serial No. 597,846. Renewed Feb. 17, 1926. 2 Claims. (Cl. 201—56.)

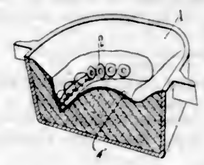


1. A rheostat adapted to be mounted on a stationary panel, comprising a rotatable drum having spiral grooves formed about the periphery thereof, means for rotating said drum, a resistance wire wound in said grooves, an annular contact ring mounted on one side of said drum and connected with one end of said resistance wire, a brush adapted to contact with said ring, and a pivotally-mounted finger having its free end extending over the periphery of said drum in contact with said resistance wire and adapted to make sliding contact therewith, whereby the rotation of said drum will cause the spiral grooves thereon to move said finger about its pivotal mounting so as to vary the position of contact thereof with said wire.

1,585,348. METHOD AND MEANS FOR MOLDING AND HARDENING PHENOL-ALDEHYDE CONDENSATION PRODUCTS. GODFREY MACDONA HICK and NAOMI GERTRUDE HICK, Brentwood, England. Filed Nov. 7, 1925. Serial No. 67,657. 10 Claims. (Cl. 18—47.5.)

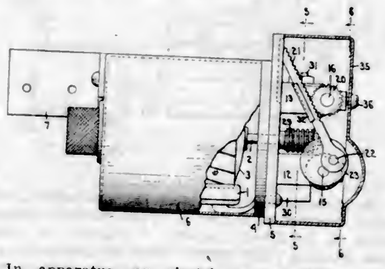
1. A method of molding a phenol-aldehyde condensation product consisting in first making a mold of porous material, coating it with oil, and molding and hardening the product in the oiled mold.

3. A method of facing vulcanite or the like with a phenol-aldehyde condensation product consisting in molding the product in strip or other form on the



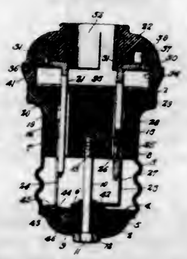
vulcanite, coating the exposed face with a medium containing oil investing in plaster of Paris and hardening under heat.

1,585,349. WINDOW-CLEANING DEVICE. EARL B. HOFF, East Cleveland, Ohio, assignor to The Azor Motor Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1922. Serial No. 561,129. 3 Claims. (Cl. 74—14.)



1. In apparatus, an electric motor, a base plate through which the motor shaft projects having bearing bosses on the side opposite the armature, a pair of parallel shafts journaled in said bosses parallel to the plate, one at each side of the armature shaft, an arm and a pinion secured to one of said shafts, a worm gear and a crank secured to the other of said shafts, a rack articulated to said crank and meshing with said pinion, a worm journaled in said plate in a vertical position upon the opposite side of the armature shaft from said rack and meshing with said worm gear, a second worm gear rotatable with said worm, and a second worm carried by the armature shaft and meshing with said second worm gear.

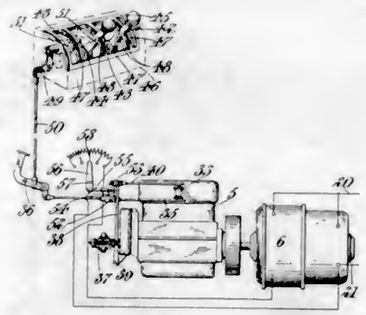
1,585,350. DETACHABLE PLUG. WILLIAM ILE, Jackson, Mich. Filed May 19, 1925. Serial No. 31,439. 7 Claims. (Cl. 173—343.)



1. An electrical attachment plug including an insulating body, an end section of insulating material provided with a polygonal enlargement, a metallic screw shell provided with a flange having an opening receiving and conforming to the configuration of the said en-

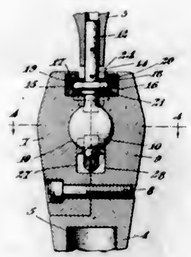
largement to interlock the shell and the end section, said shell being also provided with a tongue interlocked with the body for holding the parts against relative rotary movement and a center screw connecting the end section and the body and securing the parts together.

1,585,351. ELECTRIC CRANE. PHILIP DENIS IONIDES, London, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, England, a British Company. Filed July 2, 1924. Serial No. 723,809. 9 Claims. (Cl. 290—17.)



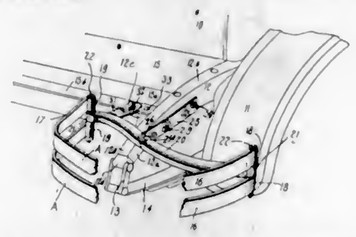
1. In a motor control system the combination of an internal combustion engine, a dynamo-electric generator adapted to be driven thereby, a plurality of electric motors deriving their current from the generator, a reversing switch in each motor circuit, a throttle valve controlling the speed of the internal combustion engine, an accelerator operating the throttle valve, and an interlock between the accelerator and the switches such that no circuit can be closed when the accelerator is in operation.

1,585,352. TROLLEY-HEAD SUPPORT. RICHARD J. KRAUTHEIM, Newark, N. J.; Bertha Krautheim administratrix of said Richard J. Krautheim, deceased. Filed Sept. 14, 1925. Serial No. 56,206. 5 Claims. (Cl. 191—60.)



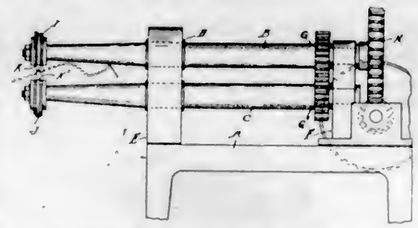
1. A trolley head support for electric street railways, comprising a member adapted to be mounted at the top of the trolley pole and providing a transversely slotted end, a ball rotatably held in said member having a stem projecting through said slot and adapted to receive a trolley wheel fork, a roller on said stem engaging the opposite walls of the slot, and a cross-piece at the opposite side of said ball from said stem having a limited twisting movement in a recess in the support.

1,585,353. BUMPER AND BUMPER SUPPORT. ALGOT W. NORDGREN, St. Paul, Minn., assignor to Marquette Manufacturing Company, St. Paul, Minn. Filed Feb. 11, 1926. Serial No. 87,510. 4 Claims. (Cl. 293—55.)



3. In a device of the class described, a bumper having a cross member, a bar fixed thereto and adapted to be secured to the frame of an automobile, a second bar fixed to said cross member at a point spaced from the first bar and inclined downwardly therefrom and then toward the car body at a point spaced from said first bar.

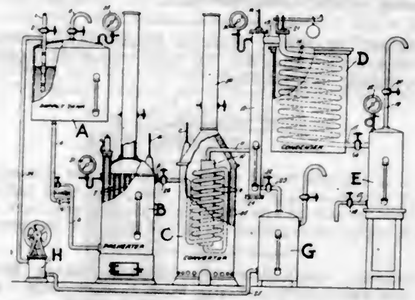
1,585,354. EMBOSSING MACHINE. CHARLES C. ZABRISKIE, Detroit, Mich., assignor to The Superior Seal & Stamp Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 6, 1922. Serial No. 599,325. 3 Claims. (Cl. 153—9.)



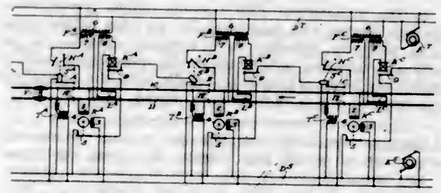
1. In an embossing machine, the combination of parallelly arranged rotary spindles, means for imparting to said spindles simultaneous and corresponding angular movements, and embossing dies co-actingly mounted on said spindles, having peripheral work engaging faces extending obliquely to the axes of rotation throughout substantially the full width of said faces, said faces being parallel along their lines of tangency to the work, said dies having cutaway portions of a radius less than that of any portion of said work engaging faces, said portions opposing each other in one angular position of said spindles and being spaced apart in said position so as to afford a relatively large clearance for introduction and withdrawal of work.

1,585,355. PROCESS FOR THE CONVERSION OF OILS. JOSEPH H. ADAMS, Brooklyn, N. Y., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Original application filed June 15, 1916, Serial No. 103,725. Divided and this application filed June 28, 1923. Serial No. 648,240. 2 Claims. (Cl. 196—61.)

2. A continuous method of converting high boiling hydrocarbon oil into lower boiling products, that comprises continuously heating a moving stream of oil under superatmospheric pressure to a point of incipient vaporization while maintaining it in liquid form, delivering the heated oil to and forcing it under superatmospheric pressure through an extended cracking coil of restricted cross section maintained at a cracking temperature wherein the oil breaks into vaporous form and is partially cracked, expanding the partially cracked oil into an enlarged cracking chamber maintained at substantially the same superatmospheric pressure and cracking temperature as in said coil and in which further cracking of the oil is effected, and removing the cracked and uncracked oil from the chamber while condensing the cracked vapors under superatmospheric pressure.

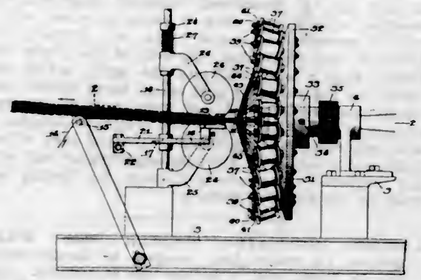


1,585,356. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. WALTER P. ALLEN, Jersey City Heights, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1924. Serial No. 729,919. 10 Claims. (Cl. 246—34.)



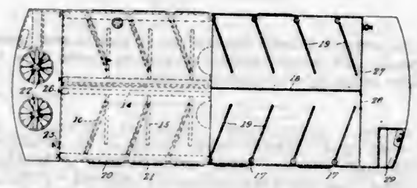
1. Railway traffic controlling apparatus comprising a series of main trackway circuits for supplying controlling energy to trains continuously under safe traffic conditions but not under unsafe traffic conditions, a plurality of auxiliary trackway circuits for supplying controlling energy to trains at spaced intervals, and means included in each auxiliary circuit for governing a main circuit.

1,585,357. CHENILLE-MAKING MACHINE. ARVID M. ANDERSON, Brooklyn, N. Y., assignor to Tinsel Corporation of America, Brooklyn, N. Y., a Corporation of New York. Filed June 20, 1925. Serial No. 38,449. 5 Claims. (Cl. 117—14.)



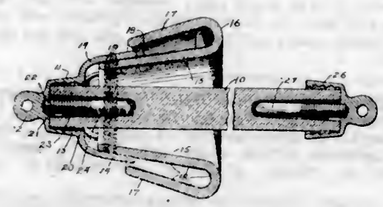
1. In a chenille making machine the combination of a supporting frame, a core for receiving pile-forming threads, a rotatable member, an annular series of spools carried by the member for delivering threads to the core, and a second annular series of thread supplying spools carried by the member, and surrounding the first named series, for delivering threads to the core, the axes of the spools of each series being inclined with respect to the axis of rotation of the member, and the inclinations of the axes of the spools of the outer series being more nearly parallel to the axis of rotation of the member than the inclinations of the axes of the spools of the inner series.

1,585,358. APPARATUS FOR PURIFYING MINES, TUNNELS, AND SUBWAYS. GEORGE A. ARKWRIGHT, Brooklyn, N. Y. Filed Sept. 24, 1924. Serial No. 739,505. 7 Claims. (Cl. 98—28.)



1. Air purifying apparatus for subways comprising a reversible car having screens at both ends for removing foreign particles from air passing through said car, fans for forcing air into said car and out of said car, and liquid spraying and deflecting means for removing other particles from the air and collecting them in the car as the car moves.

1,585,359. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Original application filed Dec. 6, 1920, Serial No. 428,438. Divided and this application filed Dec. 4, 1924. Serial No. 753,794. 10 Claims. (Cl. 173—318.)

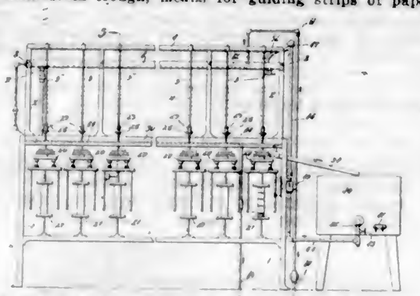


1. An insulator comprising an elongated bar of dielectric material, fittings secured to said bar at opposite ends thereof, and an eletrostatic screen supported upon one of said fittings, said screen comprising a cup-shaped plate of dielectric material surrounding said elongated bar, said plate being bent backwardly at its edges to overlie the extremities of the fitting to which said plate is secured.

1,585,360. TWISTING MACHINE. EARL F. BALDWIN, Gardner, Mass., assignor to American Fibre Corporation, Gardner, Mass., a Corporation of Massachusetts. Filed Mar. 9, 1922. Serial No. 542,219. 11 Claims. (Cl. 117—3.)

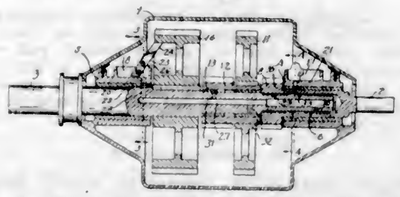
1. In a paper twisting machine, a supply trough, a drain trough beneath said supply trough, a glue heater into which said drain trough discharges, means for

pumping heated glue from said heater to said supply trough, means permitting flow from said supply trough to said drain trough, means for guiding strips of paper



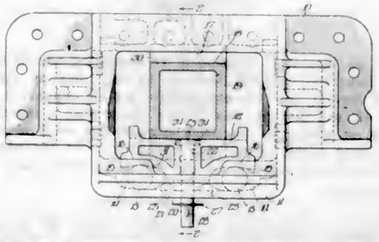
to be twisted beneath the surface of glue in said supply trough, and means permitting glue to drain from the paper strips into said drain trough.

1,585,361. REDUCTION GEARING. WILLIAM EDWARD BEE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 28, 1924. Serial No. 689,118. 7 Claims. (Cl. 74—7.)



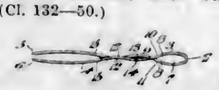
1. In a reduction gearing, the combination with a drive shaft, of a shaft driven thereby at a lower rate of rotation, said driven shaft being journalled in said drive shaft, bearings for said drive and driven shafts having chambers for lubricant, a gear rotatable upon said driven shaft and a longitudinally extending passageway in said driven shaft connected with said chambers and with the bearing surfaces between said drive and driven shafts and between said gear and the driven shaft.

1,585,362. RETAINING BOLT FOR SELF-CENTERING DEVICES. FREDERIC H. BENDER, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 4, 1924. Serial No. 729,922. 4 Claims. (Cl. 213—21.)



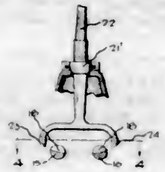
1. In draft rigging supporting means, a striking block having a carry iron, a self-centering carriage supported by said carry iron, a carriage retaining bolt connecting said carry iron and carriage and having an elongated head, said carriage having a bolt receiving opening elongated in one direction for the passage of said elongated bolt head, said opening having an offset recess for the reception of the elongated bolt head for locking said bolt against displacement in one direction, and means for preventing displacement of said bolt in another direction whereby said carriage is locked against accidental displacement.

1,585,363. HAIRPIN. CHARLES ROBERT BENDIG, Philadelphia, Pa. Filed Mar. 11, 1925. Serial No. 14,616. 4 Claims. (Cl. 132—50.)



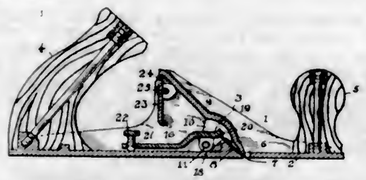
1. A hair pin having two similar limbs, and successive and corresponding pairs of left and right hand helices formed in each of said limbs, on a common axis, each of said helical convolutions being less than one revolution.

1,585,364. GEAR-SHIFTING DEVICE. FRANK ELLISON BEST, Seattle, Wash. Filed June 21, 1924. Serial No. 721,479. 5 Claims. (Cl. 74—39.)



1. The combination with a motor vehicle power transmission having two longitudinally movable shifter rods, of a pivotally mounted lever movable sidewise for selectively engaging said shifter rods the bottom end of said lever being arranged to engage with the rod at the side toward which said lever is moved.

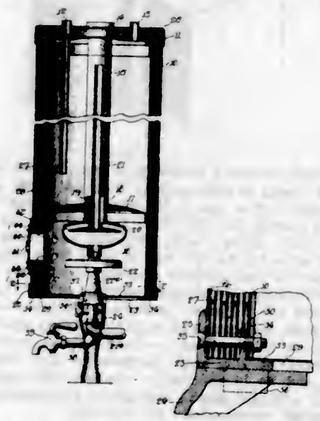
1,585,365. PLANE. NICKOLAUS BINGER, Pittsburgh, Pa. Filed Oct. 28, 1925. Serial No. 65,355. 3 Claims. (Cl. 145—11.)



2. In combination, a plane comprising a body portion consisting of a base provided with a pair of integrally formed side walls, said base formed with a transversely disposed slot, a blade having its cutting edge disposed in said slot, a transversely disposed supporting rod mounted in said side walls, a clamp provided with a pair of apertured ears, said clamp ears pivotally connected to said supporting rod, each of said clamp ears formed with a notch engaging the upper end of said blade, the lower end of said clamp being curved rearwardly and engaging the said blade, a blade adjusting lever provided with a pair of ears pivotally connected to said supporting rod and engaging the top edge of said blade, and a cam latch pivotally supported by said walls and shiftable to actuate said clamp for locking said blade in the adjusted position.

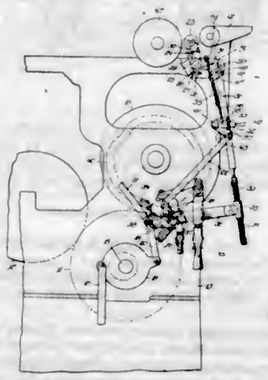
1,585,366. HOT-WATER HEATER. FRED WILBUR BIRTCH, La Porte, Ind., assignor to Bastian-Morley Co., La Porte, Ind., a Corporation of Indiana. Filed Oct. 19, 1922. Serial No. 595,620. 3 Claims. (Cl. 122—18.)

1. In a water heater of the character described the combination of a supporting ring member, having an annular base portion and provided with an upwardly extending outer annular flange, and a plurality of upwardly extending lugs concentrically arranged with relation to said upwardly extending outer annular flange, said upwardly extending lugs being spaced inwardly from said outer flange, a heater cover for heater insulation, the lower end of which is placed against the inner surface of said outer flange, insulating material between the inner surface of said heater covering and outer surface of said plurality of lugs, a main wall of



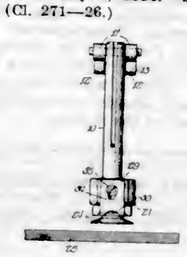
said heater, the lower end of which is secured to the said plurality of lugs, said outer flange, heater covering, insulating material, lugs and main heater wall being apertured, and a bolt extending through each of said apertures and secured with a nut upon the inner surface of said main heater wall whereby said heater wall is spaced apart from said heater insulating wall by said lugs and held rigidly and firmly in place, and whereby the end of said main heater wall, the end of said outer heater insulation wall, and the ends of the interposed insulation are capped.

1,585,367. INK-FOUNTAIN-DUCTOR TRIP MECHANISM. JOSEPH R. BLAINE, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 24, 1921. Serial No. 494,992. 8 Claims. (Cl. 101—351.)



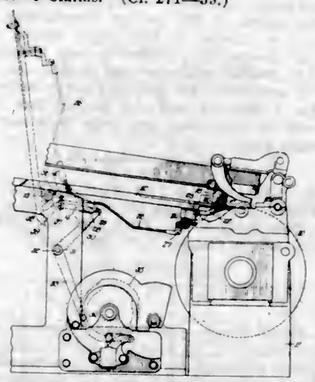
1. In a printing press, the combination of a ductor roll for conveying ink from an ink fountain, means for actuating said roll, and a plurality of relatively movable interlocked levers at all times interconnected and through which said ductor roll is controlled.

1,585,368. SHEET-PICK-UP MECHANISM. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,753. 12 Claims. (Cl. 271—26.)



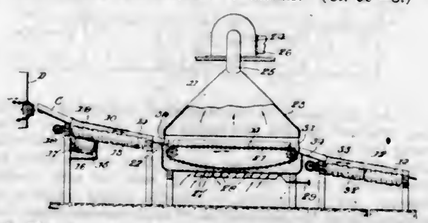
1. In sheet separating and pick-up mechanism, the combination of a flexible suction shoe against which a sheet is drawn, and means for crimping the suction shoe for in turn crimping the sheet to facilitate sheet separation.

1,585,369. SIDE REGISTER MECHANISM. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,758. 6 Claims. (Cl. 271—59.)



1. In a printing press, the combination of a movably mounted feed board, side register means carried thereby, and actuating mechanism for said register means including parts having a folding relationship to permit movement of said feed board without cramping any parts or altering any connections.

1,585,370. PRESERVATION OF FRESH FRUIT. ERNEST M. BROGDEN, Winter Haven, Fla., assignor, by mesne assignments, to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed Mar. 8, 1922. Serial No. 542,141. 7 Claims. (Cl. 99—8.)

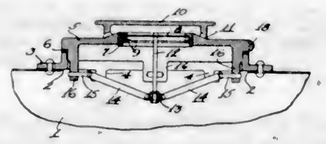


1. The process of treating fresh fruit which comprises spreading over the surface thereof a thin coating of waxy material in mixture with a liquid vehicle consisting principally of kerosene.

1,585,371. COMPOSITION FOR TREATING FRUIT AND THE LIKE. ERNEST M. BROODEN, Winter Haven, Fla., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed Jan. 29, 1923. Serial No. 615,741. 9 Claims. (Cl. 99—S.)

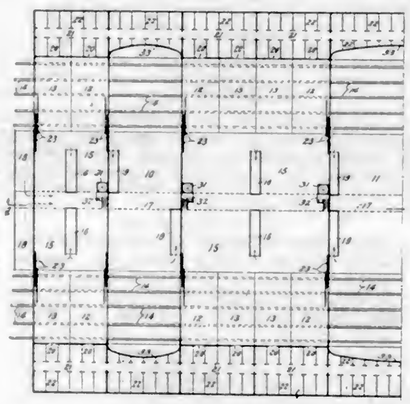
7. As a new article of manufacture, a composition useful especially for preservatively coating fruit and the like comprising an intimate mixture of a waxy material, such as paraffine, with a white mineral oil, the proportion of said waxy material constituting from about 5 or 10 to 75 per cent of the mixture.

1,585,372. SAFETY LOCKING DEVICE FOR MANHOLE COVERS. CLIFFORD L. BURNHAM, Chicago, Ill. Filed June 2, 1922. Serial No. 565,376. 3 Claims. (Cl. 220—55.)



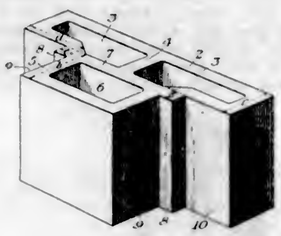
1. A tank closure comprising a collar having a plurality of equally spaced downwardly projecting lugs adjacent the bottom of the opening therethrough, a cover adapted to be secured to said collar having an equal number of downwardly projecting lugs thereon corresponding in position with the lugs on said collar, a diaphragm in said cover, an operating rod attached to said diaphragm, a yoke on said rod, locking bars supported by the lugs on said cover, and links from said yoke to said locking bars.

1,585,373. APPARATUS FOR THE PRODUCTION OF THEATRICAL PERFORMANCES. CHARLES J. CARLOTTI, New York, N. Y. Filed June 30, 1924. Serial No. 723,129. 6 Claims. (Cl. 20—1.123.)



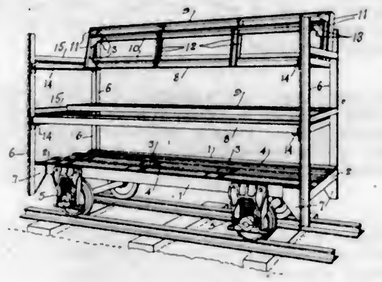
1. An apparatus as characterized comprising a building structure divided lengthwise by a plurality of transverse full height theatre spaces, said theatre spaces being separated by utility spaces, said utility spaces being approximately twice the width of each of said theatre spaces; and a plurality of movable stages adapted for disposition at the extremities of said theatre spaces and of said utility spaces from opposite sides thereof, said stages embodying two halves, each half being adapted to be set for minor productions.

1,585,374. BUILDING BLOCK. JOHN CARLSSON, Pittsburgh, Pa. Filed Nov. 24, 1924. Serial No. 751,804. 4 Claims. (Cl. 72—41.)



1. A wall structure formed of a plurality of reversely arranged blocks of substantially T-shaped form and having a head portion and a leg portion, the end faces of the head portion and the sides faces of the leg portion of each block being closely adjacent end faces or side faces of other blocks, the legs of each block being wider at one portion than another whereby cavities are provided in the wall structure between portions of the legs of the blocks and the adjacent surfaces of other blocks, the length of the leg portion of each block being substantially equal to the thickness of the head portion, whereby the inner faces of the head portions of the blocks may overlap and be in substantial contact with portions of reversely arranged blocks throughout the greater part of their length, substantially as described.

1,585,375. TRUCK AND CAR. SHERWOOD M. CHASE, Columbus, Ohio, assignor to The Chase Foundry & Mfg. Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 10, 1925. Serial No. 55,475. 5 Claims. (Cl. 105—373.)

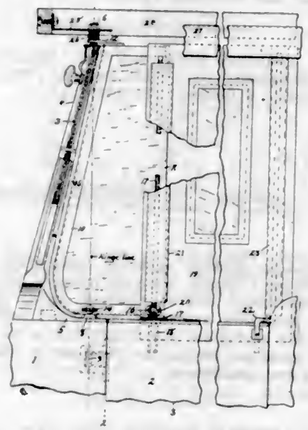


1. In a truck, a platform, a plurality of sections adapted to compose a platform, means to guide said sections, whereby the sections may be nested one under the other without being removed from their guiding means.

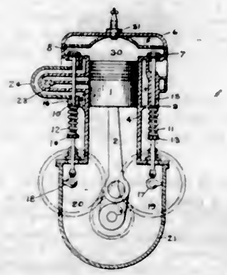
1,585,376. SIDE WING FOR WINDSHIELDS. JAMES MARK CRAWFORD, Auburn, Ind., assignor to Auburn Automobile Company, a Corporation of Indiana. Filed Jan. 18, 1923. Serial No. 613,551. 6 Claims. (Cl. 296—84.)

1. In combination with a vehicle having a windshield and hinged side doors, a stud on the top and the base of each standard of the windshield axially alined with the hinges of the corresponding door; a side wing, including a frame and a glass plate mounted therein, said frame having a forwardly overhanging bracket at its upper end and a perforated lug at its lower end, the studs of said standard extending respectively through the

bracket and lug; a spring bearing against said bracket; means for securing said frame in adjusted positions; a connecting means between each wing and the corresponding door of the vehicle; and a removable curtain in supported relation with each wing and corresponding door and forming an extension of said wing.



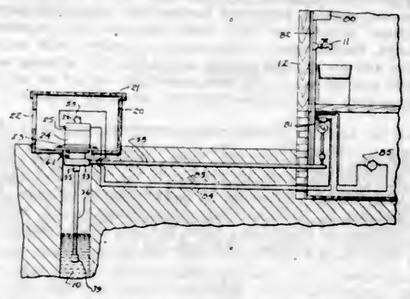
1,585,377. INTERNAL-COMBUSTION ENGINE. JOHN HOWARD CROMWELL, Larchmont, N. Y. Filed Aug. 30, 1921. Serial No. 496,836. 4 Claims. (Cl. 123—37.)



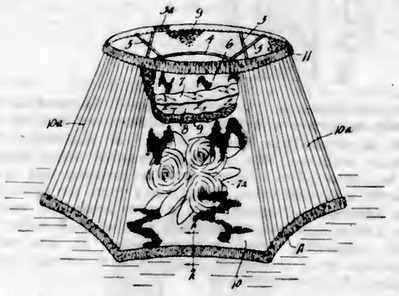
1. An internal combustion engine comprising a cylinder, a piston mounted to reciprocate therein and to induct into the cylinder and compress gaseous fuel, an auxiliary chamber communicating with the cylinder intermediate the extremities of the piston stroke, a partition in said chamber, and said chamber having a passage around said partition in communication with the cylinder.

1,585,378. CENTRIFUGAL WELL PUMP. JULIAN F. DENISON, New Haven, Conn. Filed Jan. 31, 1923. Serial No. 616,015. 7 Claims. (Cl. 103—111.)

5. A well pump system comprising pumping mechanism, a storage tank positioned above the level of the operating member of the pump, conducting means extending into the well and arranged to conduct fluid to the pump mechanism, and a check valve in series with said conducting means for preventing escape of fluid from the storage tank to the well while the pump is inactive, said mechanism including a movable member having a tapered portion engaging a relatively stationary part of the mechanism and means for normally sealing the pumping mechanism against escape of liquid from the tank, said mechanism having a passage for fluid automatically opened upon movement of the pumping mechanism for permitting escape of fluid therethrough.

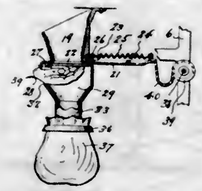


1,585,379. LAMP SHADE AND PROCESS FOR MAKING THE SAME. ALFRIE E. DIXON, Minneapolis, Minn. Filed Dec. 4, 1925. Serial No. 73,195. 5 Claims. (Cl. 41—21.)



1. A lamp shade comprising a hollow frame, a covering of flexible fabric mounted on the sides thereof, a coating formed of a plurality of relatively small transparent particles on one side of said covering and a sheet of translucent fabric covering the outer sides of the lamp shade whereby the same will normally present an opaque appearance but will be rendered translucent and crystalline when light is emitted therewithin.

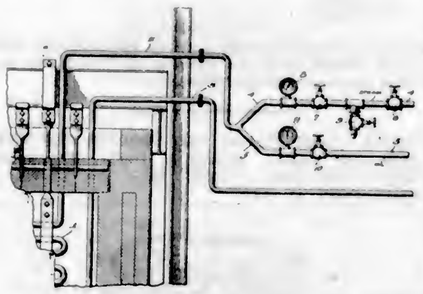
1,585,380. COIN-COUNTING MECHANISM. EDWARD P. DONNELLAN, Brooklyn, N. Y., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 24, 1925. Serial No. 25,544. 4 Claims. (Cl. 133—1.)



2. The combination with a plurality of coin counting devices of coin receiving pockets in which the coins are discharged from the counting devices, each coin receiving pocket having an open bottom, a cut-off plate slidably re-

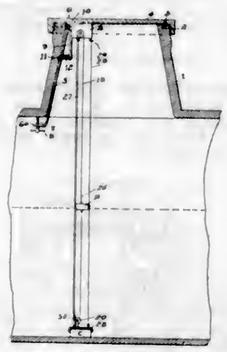
lated to the open bottom of each receiving pocket, said cut-off plates having openings registrable with the open bottoms of said receiving pockets, spring means for holding said cut-off plates in closed relation to said receiving pockets, a shaft journaled to the rear of said receiving pockets, sheaves on said shaft opposite each receiving pocket, flexible means interconnected between each cut-off plate and an opposed sheave, and means for rotating said shaft and its sheaves to simultaneously retract all cut-off plates into open relation to their receiving pockets.

1,585,381. APPARATUS FOR CONTROLLING THE SUPPLY OF STEAM AND OIL TO AN OIL-CRACKING STILL. CHARLES J. GREENSTREET, Chicago, Ill., assignor to Gasoline Corporation, Chicago, Ill., a Corporation of Delaware. Filed Dec. 27, 1919. Serial No. 347,811. 2 Claims. (Cl. 196—63.)



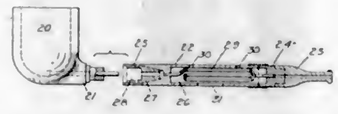
1. An apparatus for treating heavy hydrocarbon oils which comprises a heating coil, means for heating said coil, an intake pipe leading to said coil and having two intake branches, one of said branches being adapted to be connected to a source of steam pressure and having therein a shut-off valve, a regulating valve for controlling the admission of steam, and a valve controlled vent to the atmosphere located between said shut-off valve and said regulating valve, and the other of said intake branches being connected to a supply of oil and having a shut-off valve therein.

1,585,382. DEPTH GAUGE FOR TANKS. GEORGE H. HAIGH and EDWARD J. RICHARDS, Pittsburgh, Pa. Filed Apr. 17, 1923. Serial No. 632,650. 3 Claims. (Cl. 73—82.)



1. In a depth gauge mechanism for liquid containing tanks, the combination of a support mounted at the top of the tank, indicating mechanism at the top of the tank, a pulley rotatably mounted on said support and operatively connected to said indicating mechanism, a weighted member resting on the bottom of the tank, a pulley rotatably mounted on said weighted member, a float, and a band wire attached to said float and running over said pulleys, whereby the rise and fall of said float will operate said indicating device.

1,585,383. SMOKING PIPE OR TUBE. IRWIN H. HALFERTY, Pittsburgh, Pa. Filed June 4, 1924. Serial No. 717,689. 9 Claims. (Cl. 131—12.)



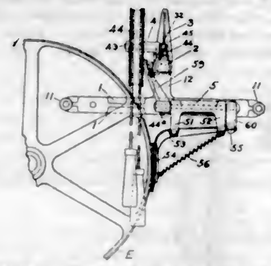
1. A tobacco smoking appliance comprising a body member having a tobacco receiving recess at its forward end, a mouthpiece, and a removable metal tube, the said tube bent back and forth upon itself coaxially of the stem and having one end terminating in the tobacco receiving recess and having its other end in communication with the mouthpiece.

1,585,384. BOTTLE OPENER AND CAP. HERMAN HANAU, Philadelphia, Pa. Filed Feb. 19, 1925. Serial No. 10,241. 1 Claim. (Cl. 215—55.)

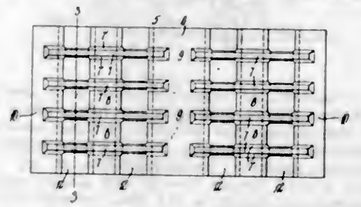
In a device of the character stated, a substantially circular body, a plurality of spring clamp members integral therewith and extending downwardly substantially at a right angle thereto, an exit opening through said circular body portion, a lip portion extending from said body portion in alignment with said exit opening, a plurality of downwardly extending lifting prongs formed integral with each other and having a common horizontally extending connecting portion, arrow shaped ends on said prongs having the barbs thereof at an angle to each other and inclined to the body of the prongs, a pivotally mounted valve plate adapted to close said exit opening, and fastening means extending through said circular body portion and common to said valve plate and said lifting prongs.

1,585,385. AUTOMATIC LOCK AND RELEASE BELT SHIFTER AND BRAKE. GUY P. HAWKINS, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed June 9, 1925. Serial No. 35,899. 5 Claims. (Cl. 192—10.)

1. In a belt shifter, a shifter slide bar supported adjacent a machine and parallel to the face of the machine belt pulleys; a shifter fork mounted upon and movable to and fro along the shifter bar between extreme positions respectively opposite the fast and loose pulleys; a bearing at one end of the shifter bar; a crank supported by said bearing; a stop in the path of the crank to permit a partial and prevent complete revolution of the crank; a link connecting crank and shifter fork; actuating means to throw the crank and carry the link beyond the dead center to shift and lock the shifter fork until the crank is actuated in reverse to unlock, shift and relock the shifter fork.

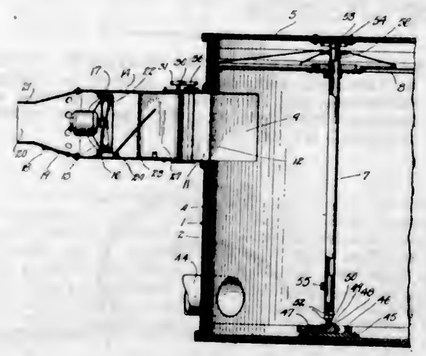


1,585,386. RUBBER COMPOUND PAVING BLOCK. RUFUS F. HERRICK, Winchester, Mass. Filed May 14, 1925. Serial No. 30,392. 12 Claims. (Cl. 94—15.)



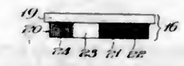
1. A paving block for roadways comprising a body portion provided upon its under side with a series of ribs formed integral therewith, said body portion also being provided upon its under side with grooves therein, said grooves extending transversely of and above said ribs.

1,585,387. DRIER AND DEODORIZER. DELBERT T. HULSE, Kansas City, Mo. Filed June 13, 1925. Serial No. 37,001. 8 Claims. (Cl. 34—26.)



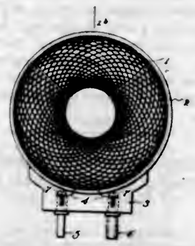
3. In a drier and deodorizer, a casing having two inlets and an outlet, the two inlets discharging air into the casing on opposite sides of the axial center of the casing, a clothes carrier concentric with the casing rotatable about its axis, means for delivering air to the inlets so that the air will impinge against the clothes to rotate the carrier, and means for alternately directing air into first one inlet and then the other.

1,585,388. METHOD OF PRODUCING PRINTS IN BLACK AND A SINGLE COLOR AND THE RESULTING PRODUCT. FREDERIC EUGENE IVES, Philadelphia, Pa., and JACOB F. LEVENTHAL, New York, N. Y. Filed Oct. 12, 1923. Serial No. 668,042. 4 Claims. (Cl. 95—2.)



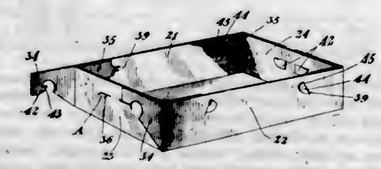
1. A process in photography, which consists in first producing two geometrically alike photographic negative record transparencies of a subject, one being made by the action of rays from a certain desired part of the spectrum, the other being made by rays from other than said desired part, then recording in a light sensitive emulsion a positive image from the negative record transparency which was made by the rays from said desired part of the spectrum, by passing light through said transparency to said light sensitive emulsion, then developing the resulting image but not fixing it, then treating the developed image so that it will not be affected by a subsequent coloring process, then bringing into registry with the positive image so produced, the other geometrically alike negative-record transparency, then passing light through the said transparency to the emulsion containing the positive image, this exposure being made on the same face as the other was, then developing and fixing the resulting image and then coloring with a process that will substitute coloring matter for the developed image-forming material produced by the second printing and developing but will leave uncolored the developed image produced by the first printing and developing.

1,585,389. INDUCTANCE COIL. FRANCIS L. JUDD and ETHELBERT D. PITT, New York, N. Y., assignors, by direct and mesne assignments, to Curkoid Corporation, New York, N. Y. Filed Nov. 6, 1922. Serial No. 599,472. 7 Claims. (Cl. 175—359.)



1. As an article of manufacture an inductance coil having a plurality of loop windings of a single continuous conductor arranged laterally eccentric one with the other.

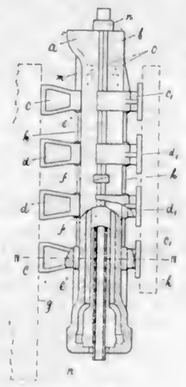
1,585,390. COLLAPSIBLE BOX. MATHIAS R. KONDOLF, Bala-Cynwyd, Pa., assignor, by mesne assignments, to Garment Center Fibre Container Corp., New York, N. Y., a Corporation of New York. Filed June 19, 1925. Serial No. 38,148. 5 Claims. (Cl. 229—35.)



1. A collapsible box comprising a single sheet scored to define side and end members of substantially uniform width, said scoring crossing to define substantially

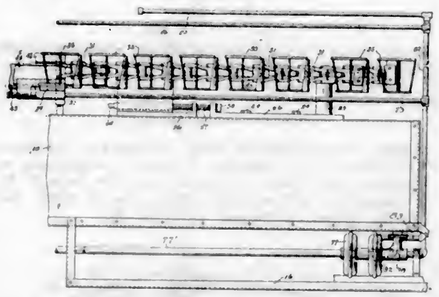
square corner areas with a single line cut in each of said corners producing two initially inter-engaging hooks adapted to be separated and folded one inside and the other outside of the upturned side and end members, said side and end members being provided with slits properly positioned to receive said hooks when in such folded positions.

1,585,391. APPARATUS FOR CASTING CAST-IRON PIPES. GONSHIRO KUBOTA, Minami-Ku, Osaka, Japan. Filed Dec. 13, 1922. Serial No. 606,588. 1 Claim. (Cl. 22—36.)



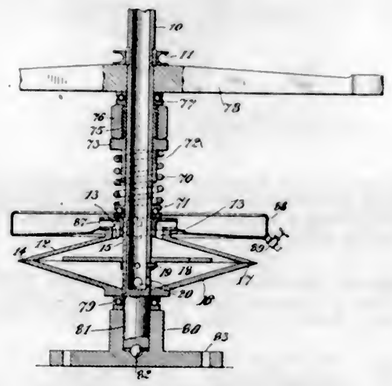
A metallic mold for casting iron pipe, comprising a pair of elongated mold sections, fixed guide blocks for supporting one of said sections for slidable movement longitudinally, guide blocks movable toward and from said section and adapted to support the other section for slidable movement longitudinally, a pair of wings carried by said movable guide blocks and adapted to engage said first section thereby to prevent lateral displacement of the sections, and wedge-shaped projections carried by said sections and adapted to be brought into cooperative engagement thereby to prevent longitudinal displacement of the sections.

1,585,392. BOTTLE-WASHING MACHINE. HARRY D. LATHROP, Chicago, Ill. Filed May 31, 1921. Serial No. 473,677. 23 Claims. (Cl. 141—7.)



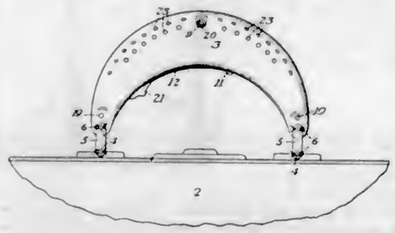
1. A bottle washing machine comprising a reservoir divided into two compartments each containing different washing fluids; a continuous sprocket chain mounted to travel in a horizontal plane above said reservoir; bottle holders on said chain; means for discharging washing fluid from said reservoir over said bottles; and slidably mounted means for intermittently moving said sprocket chain, substantially as described.

1,585,393. MACHINE FOR CONTINUOUS SEPARATION OF SOLIDS FROM LIQUIDS, OR LIQUIDS FROM LIQUIDS AND METHOD OF SEPARATING THE SAME. WILLIAM C. LAUGHLIN, Glendale, Calif., assignor to Laughlin Filter Corporation, New York, N. Y., a Corporation of Delaware. Filed June 21, 1923. Serial No. 646,810. 18 Claims. (Cl. 233—20.)



1. A machine for separating solids from liquids, or liquids from liquids, comprising two rotary plates facing each other having their peripheral surfaces smooth and unobstructed both radially and circumferentially and contacting smoothly circumferentially at all points thereof, a baffle located between said plates, means for uninterruptedly feeding to the space between the plates axially thereof material to be separated and discharging certain of said material between the plates substantially at or near the axis of rotation thereof, and a spring centrally disposed in respect to one of the plates for causing the peripheral portions of the plates to exert a uniform pressure upon each other around the peripheral circumference thereof, whereby the separated heavier constituent of the material separates the smooth peripheral portions of the plates against the uniform circumferential pressure of the spring, uninterruptedly with the continuity of the uninterrupted feed of the material to be separated.

1,585,394. ARTICLE-CARRYING CONTAINER. RUBEN B. LAWRENCE, Bethesda, Md., assignor to Federal Laboratories, Inc., Pittsburgh, Pa., a Corporation of Delaware. Filed July 31, 1925. Serial No. 47,287. 12 Claims. (Cl. 190—57.)

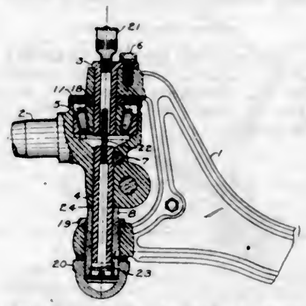


2. A handle for an article carrying container, comprising a self-contained gas emitting device and means for setting the same into operation.

1,585,395. TREATMENT OF HIDES, SKINS, AND THE LIKE. CHARLES JOSEPH MICHEL MARIE LE PETIT, Paris, France, assignor of one-fifth to James Stuart Burns, London, England. Filed Dec. 11, 1923. Serial No. 680,041. 28 Claims. (Cl. 149—3.)

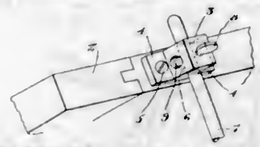
28. A process of making a tanning preparatory liquid which consists in growing lactic yeast in a culture medium initially containing a small proportion of an alkali sulphoricinate, and gradually increasing the proportion of sulphoricinate during the growth of the yeast in the medium, and then adding the so-activated yeast culture to a mixture comprising water and disintegrated castor oil seed and fermenting said mixture containing the yeast culture in presence of a manganese salt.

1,585,396. STEERING-KNUCKLE LUBRICATION. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, a Corporation of New Jersey. Filed Sept. 20, 1922. Serial No. 589,342. 10 Claims. (Cl. 308—120.)



1. In a wheel mounting, an axle, a wheel spindle pivotally mounted therein, hollow pivot pins connecting said axle and said wheel spindle, one of said pivot pins being secured to said axle and the other to said spindle, each of said pivot pins being positioned to provide an oil reservoir below the same, a tube secured in one of said pivot pins and extending into the other of said pivot pins whereby said pivot pins may be lubricated from a single source of oil supply and oil will not be drawn from one reservoir to the other.

1,585,397. DRAWING-BOARD ATTACHMENT. JOHN LOYCANO, Boston, Mass. Filed June 25, 1925. Serial No. 39,522. 4 Claims. (Cl. 45—131.)



1. An attachment for drawing boards and the like, comprising a member adapted to be permanently secured to an edge of the board, and having perforations therethrough, one of said perforations at right angles with the plane of the board, and the other perforation in the plane of the board, a rod adapted to pass through said first perforation and act as a support for the board, and means to hold said rod in a desired position in said board.

1,585,398. POCKET TIRE GAUGE. ERIK A. LUNDVALL, Grantwood, N. J., assignor to United States Gauge Company, New York, N. Y., a Corporation of Pennsylvania. Filed Jan. 5, 1924. Serial No. 684,481. 3 Claims. (Cl. 73—109.)

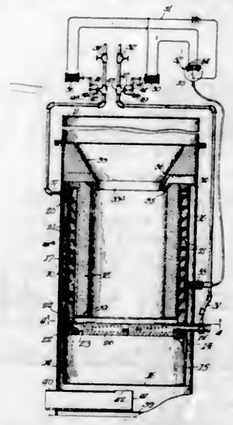
1. In a gauge of the character described, the combination with a Bourdon tube having a hooked end, a pivotally mounted sector with which the hooked end of the tube engages and by which it is moved when the tube is subjected to pressure, a pointer adapted to be moved over a scale by the movements of the sector, means for restraining the sector against free independent movement

and means for resetting it after movement to zero or normal position, said last-named means including a resetting pin and a flat spring associated therewith and lying along the inner peripheral wall of said casing and normally acting to hold said pin in inoperative position.

1,585,399. MATERIAL-HANDLING APPARATUS. ROBERT W. MCCASLAND, Crafton, Pa. Filed June 2, 1925. Serial No. 34,392. 9 Claims. (Cl. 37—115.)

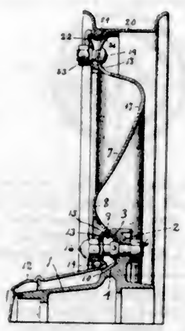
1. In a material handling apparatus, transfer means for moving material from a loading station to an unloading station, said means comprising a transfer box adapted to receive a charge of material, a transfer drag movable longitudinally of the box into and out of said box, and means for periodically simultaneously moving said drag and box between said stations and for periodically producing relative movement between said drag and box, substantially as described.

1,585,400. GAS PRODUCER. VINCENT D. MCDONNELL, Chicago, Ill. Filed Oct. 19, 1922. Serial No. 595,518. 8 Claims. (Cl. 48—64.)



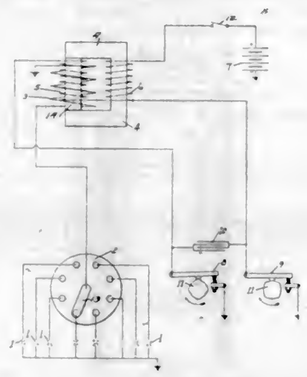
7. In a gas producer, a water vaporizing chamber, a generating chamber provided with a grate in the lower end thereof, the bars of the grate having air passages extending lengthwise thereof and laterally disposed discharge ports, the ends of the bars being extended through the walls of the generating chamber, a manifold in which the ends of the bars are rotatably secured, an air line connected with said manifold, and automatic means controlled by the temperature within the vaporizing chamber of the producer whereby the admission of air to said manifold is controlled.

1,585,401. WHEEL. FRANK L. MAIN, Birmingham, Mich., assignor to Hayes Wheel Company, Jackson, Mich., a Corporation of Michigan. Filed Apr. 2, 1923. Serial No. 629,279. 5 Claims. (Cl. 301—63.)



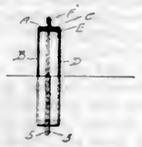
5. In a wheel, the combination of a hub having a circumferential flange provided with a pair of circumferential substantially conical bearing surfaces, a disk having a pair of circular substantially conical portions adapted to fit against the substantially conical surfaces of the flange, a retaining member having circular flanges adapted to bear against the said substantially conical portions of the disc, and means to secure said parts together comprising bolts and nuts thereon having tapering conical engaging surfaces adapted to contact with the walls of holes in said retaining member.

1,585,402. IGNITION SYSTEM. MARION MALLORY, Toledo, Ohio, assignor to Mallory Electric Corporation, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 21, 1923. Serial No. 664,123. 9 Claims. (Cl. 123—148.)



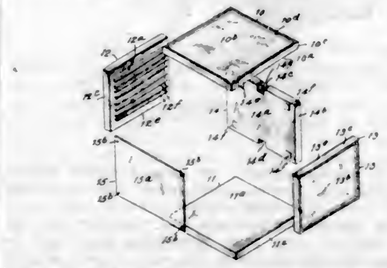
1. In an ignition system, a source of current, an iron core, an energizing winding on said core, a transformer core, a primary winding and a secondary winding on said transformer core, circuit controlling means for connecting the said primary winding to the said source through said energizing winding, a circuit controlling means for connecting the energizing winding to said source independent of the primary winding during the time that the circuit of the said primary winding is open, whereby a magnetic flux is set up in said iron core and transformer core by said energizing winding.

1,585,403. COMBINATION GASKET AND MIXING DEVICE. JOSEPH F. MAYER and FRANCIS RIEMER, St. Louis, Mo. Filed June 3, 1925. Serial No. 34,647. 3 Claims. (Cl. 48—180.)



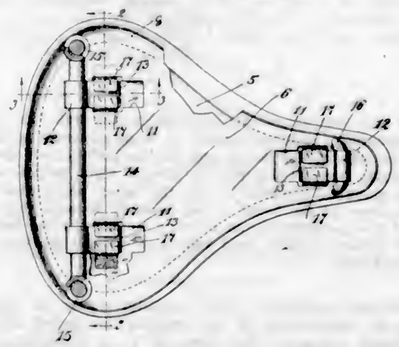
2. A combined gasket and mixing device including a pair of sheet-metal tubular members disposed end to end, outwardly presented engaging annular flanges upon said members at their abutting ends, inwardly presented flanges upon said members at their opposite ends, end-walls of mesh-material seated at their margins upon said latter flanges, a collar disposed within said members intermediate said end walls, and a compressible ring disposed between said outwardly presented flanges.

1,585,404. INSULATING MEANS. CHARLES T. MELVIN, Aurora, Ill., assignor, by mesne assignments, to Standard Gas Equipment Corporation of Maryland. Filed Apr. 28, 1925. Serial No. 26,562. 10 Claims. (Cl. 126—275.)



10. In an oven of the kind described, insulating means comprising both vacuum shells and dead air spaces, the latter formed by recesses in said shells and supporting means, and said shells movably mounted in said oven.

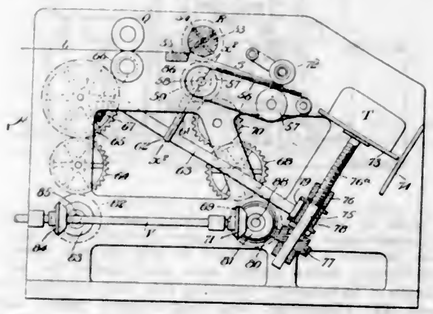
1,585,405. VEHICLE SADDLE. FREDERICK MESINGER, Mount Vernon, N. Y. Filed Jan. 16, 1926. Serial No. 81,652. 8 Claims. (Cl. 208—15.)



1. A vehicle saddle comprising a pair of body plates, padding extending over one of said body plates and a flexible covering sheet for said padding having its marginal edge turned inwardly between the edges of said

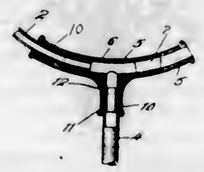
body plates, one of said body plates having spaced openings therein and the other body plate provided with lugs struck therefrom to project through said openings when the parts are assembled and said lugs adapted to be bent down and clinched upon parts of the first named plate to secure said body plates and said cover sheet in assembled relation.

1,585,406. DISCHARGE MECHANISM. CARL A. MONSON and HARRY GEARING, Los Angeles, Calif., assignors, by mesne assignments, to Hadley Tag & Machine Co., Los Angeles, Calif., a Corporation of California. Original application Filed Feb. 14, 1920, Serial No. 358,746. Divided and this application filed Aug. 28, 1922. Serial No. 584,903. 2 Claims. (Cl. 93—93.)



1. In a machine of the character disclosed, means for stacking completed tag units, a transferring accumulator comprising a continuous belt member for conveying the tag units to the stacking means, means being provided for intermittently operating said transferring accumulator, and means for temporarily maintaining a predetermined number of tag units on said transferring accumulator; said means for stacking completed tag units including an inclined rotatable table, and an inclined wall member acting in conjunction with the table.

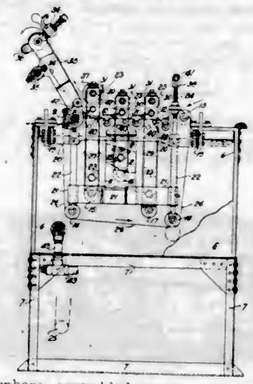
1,585,407. STETHOSCOPE. LOUIS H. MORIN, New York, N. Y., assignor to Chester Products Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1924. Serial No. 755,999. 6 Claims. (Cl. 181—24.)



1. In a stethoscope head-piece, a pair of ear tubes, a flexible tubular T-shaped member connecting the ear tubes with the sound tube, and means in said T-shaped member for holding the ear tubes in permanently adjusted position.

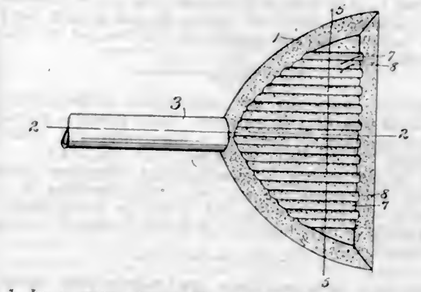
1,585,408. MACHINE FOR DEVELOPING, WASHING, AND FINISHING PHOTOGRAPHIC FILMS AND PRINTS. SYDNEY HAROLD MORSE, London, England. Filed Oct. 20, 1922. Serial No. 595,736. 5 Claims. (Cl. 95—94.)

1. In a machine of the kind described, a film-conveyor comprising a single endless flexible conveying-member constrained to follow a sinuous course throughout the machine, and a plurality of independent endless flexible



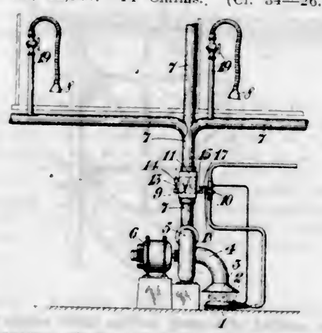
positioning-members assembled as a set separately located and traversably-mounted in at least one of the folds of said conveying-member.

1,585,409. WATER-IMPOUNDING SYSTEM. HENRY B. MYERS, Kansas City, Mo. Filed Feb. 6, 1926. Serial No. 86,606. 5 Claims. (Cl. 61—17.)



1. In a water impounding system, a reservoir submerged in a stream and having an outlet and provided with a top comprising longitudinal spaced apart channel bars inclining down stream.

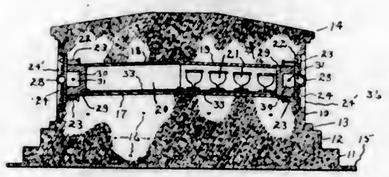
1,585,410. AIR-HEATING APPARATUS. VILHELM OLOFSON, London, England. Filed Aug. 26, 1925. Serial No. 52,563. 14 Claims. (Cl. 34—26.)



1. Apparatus of the kind described, comprising in combination blowing means for creating a blast, heating means for heating the blast, means for controlling the

heating means and a control device operatively connected to said means for controlling the heating means and so arranged as to be operable directly by the blast in such manner that the said heating means is rendered operative to heat the blast only when the blowing means is in operation to create a blast.

1,585,411. REPOSITORY MONUMENT. DAVID C. PATTERSON, Omaha, Nebr. Filed July 23, 1925. Serial No. 45,574. 3 Claims. (Cl. 72—7.2.)

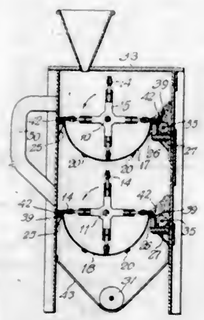


1. In a repository monument, a rectangular body having depressions in its sides and ends and having a chamber opening on the depressions in the ends of said body, doors in the last named depressions for closing the ends of said chamber, trays slidingly disposed in said chamber, a pair of filler-blocks each being disposed in the chamber between a tray and a door and removably secured to said body, a pair of metallic panels disposed in a depression in a side of and secured to said body, and metallic tablets adapted to be secured to the metallic panels.

1,585,412. PROCESS OF PRODUCING SUBSTANCES FROM BORON AND CARBON. EMIL PODSZUS, Berlin-Friedrichshagen, Germany. Filed Sept. 15, 1923. Serial No. 663,007. 9 Claims. (Cl. 204—64.)

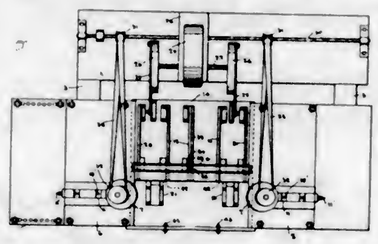
1. In the process of manufacturing substances from boron and carbon, the step of evenly dissolving in a molten mixture of boron and carbon or boron-carbide, a quantity of carbon greater than the amount of carbon contained in B_6C.

1,585,413. PROCESS AND APPARATUS FOR GRADING MATERIALS. HOWARD W. PRICE, Swartz, La., assignor to J. M. Huber Co. of Louisiana, Inc., Swartz, La., a Corporation of Louisiana. Filed May 21, 1924. Serial No. 714,764. 19 Claims. (Cl. 209—257.)



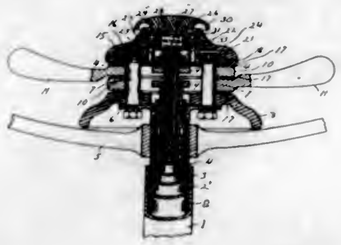
1. The method of refining carbon black which includes the steps of agitating the material to cause a portion thereof to be air-floated and other portions thereof to be simultaneously passed through a screen while at the same time removing the undesirable portions or particles by impinging them upon a bed of the unagitated material by the same action which causes the air flotation of the material.

1,585,414. APPARATUS FOR REMOVING BURRS FROM TUBING. WILLIAM S. PRITCHARD, Detroit, Mich., assignor, by mesne assignments, to Motor Products Corporation (1926), Detroit, Mich., a Corporation of New York. Filed Sept. 11, 1922. Serial No. 587,567. 12 Claims. (Cl. 51—123.)



1. In an apparatus for removing burrs from tubing, the combination with abrasive means, of a member movable through a path adjacent to said abrasive means, anti-friction means carried upon said member for supporting a transversely extending tube and carrying the same into engagement with said abrasive means, and means frictionally engaging the side of the tube opposite that engaged by said anti-friction means for compelling the rotation of the tube about its axis during its engagement with said abrasive means.

1,585,415. SPARK AND THROTTLE CONTROL. WALLACE N. OSBURN, Northville, and FREDERICK H. RAGAN, Detroit, Mich., assignors to Gemmer Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 12, 1922. Serial No. 567,674. 33 Claims. (Cl. 74—39.)

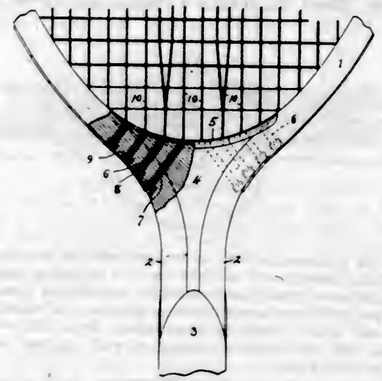


1. A control assembly comprising a steering column, spark and throttle levers mounted to rotate upon said column, means including a plate above said levers for retaining said levers assembled upon the steering column, and spring means interposed between said plate and one of the levers opposing a predetermined resistance to rotation of said levers.

1,585,416. TENNIS-RACKET CONSTRUCTION. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed Apr. 5, 1924. Serial No. 704,379. 4 Claims. (Cl. 273—73.)

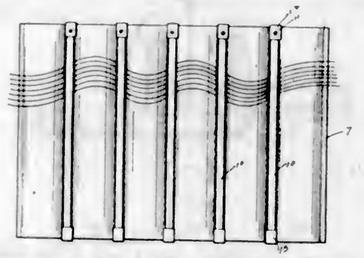
4. In a tennis racket having a loop formed of a bent wooden strip and a wooden heart interposed between

the end portions of the strip, a metallic sheltering means for the top of the heart having connections through



the heart with the corresponding portions of the strip adjacent the heart and affording openings therethrough for the corresponding strands of the racket.

1,585,417. ARTIFICIAL-HAIR WAVER. GERTRUDE D. ROBINSON, Woodland, Calif. Filed June 9, 1924, Serial No. 718,734. Renewed Apr. 6, 1926. 1 Claim. (Cl. 132—31.)

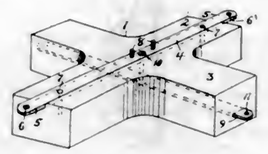


A hair waver device for artificial hair comprising a body portion having its upper side provided with a plurality of transverse ribs and grooves, over which grooves and ribs strands of hair are adapted to be placed, a plurality of U-shaped clasps attached to one edge of the body portion, a plurality of similarly shaped keepers attached to the opposite edge of the body portion and in alignment with the clasps, said clasps having openings in their upper sides and bars for clamping hair on said body portion having portions pivotally engaged in the openings in the clasps and having certain ends thereof adapted to be engaged beneath said keepers to maintain the bars in said grooves.

1,585,418. REMOVABLE FILTER FOR TUBES. BARNEY ROSENBERG, Johannesburg, Transvaal, South Africa. Filed Feb. 12, 1921. Serial No. 444,485. 4 Claims. (Cl. 210—170.)

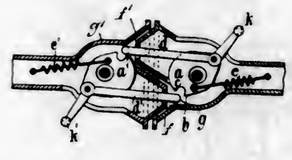
1. A filtering device comprising a ring, a cone-shaped gauze filter secured at its base to said ring, a wire cage attached to said ring and surrounding said filter, and a filter bag supported by said wire cage.

1,585,419. RAILWAY-TIE CONSTRUCTION. CHARLES L. RUSE, Warsaw, Ind. Filed Dec. 29, 1924. Serial No. 758,512. 3 Claims. (Cl. 238—31.)



1. In a railway structure including a pair of railway rails, a multiplicity of supporting units for said rails grouped in pairs, each unit having linked connection with the other and with the corresponding unit of each adjacent pair of units, each unit being of concrete structure in the form of a cross and having therein a longitudinal reinforcing bar extending entirely through each arm with extending ends; and means for securing the rails upon the corresponding units.

1,585,420. RAILWAY-CAR COUPLING. KARL SCHARFENBERG, Konigsberg, Germany. Filed Feb. 24, 1925. Serial No. 11,236. 2 Claims. (Cl. 213—93.)



1. A car coupler having a casing, a hook-plate pivoted in said casing, in combination with a link pivoted on said hookplate and adapted to engage the hookplate of a counter coupler, and a spring tending to keep said hookplate in operative position, the hook on the hookplate being shaped to permit the link of the counter coupler to pass between it and the casing when the hookplate is turned forward beyond the ready-for-coupling position and the coupler brought into bearing contact with the counter coupler.

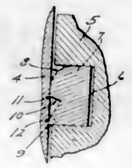
1,585,421. CONCRETE FORM. HERMAN F. SCHNEIDER, Seneca, Kans. Filed June 23, 1925. Serial No. 39,021. 12 Claims. (Cl. 25—121.)

1. A form for molding concrete and the like, comprising longitudinal walls and end plates provided with projections and recesses which cooperate to fix the relative positions of said walls and end plates when the latter are held against the ends of the walls, yieldable means for initially holding the end plates in position, reinforcing rods adapted to be placed longitudinally of the form, and means for engaging and tightening said rods and at the same time rigidly securing said end plates.

1,585,422. PISTON RING. HENRY R. SEIFERT, East Ellsworth, Wis. Filed Nov. 22, 1922. Serial No. 602,537. 1 Claim. (Cl. 74—109.)

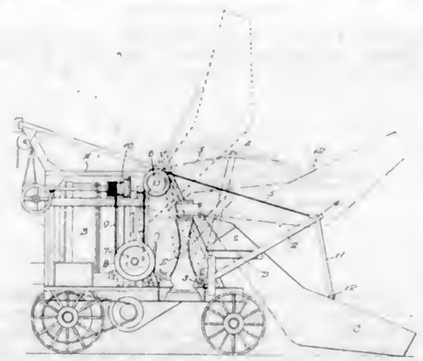
A piston ring having a curved upper edge and a sharp lower edge and also having a V-shaped oil-sealing

groove, the lower wall of which has a greater divergence than the upper wall thereof, said groove having a sharp upper edge and a curved lower edge, and said ring both



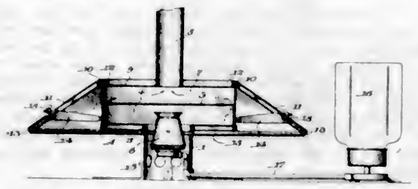
above and below said groove having true cylindrical surfaces that determine the full external diameter of the ring.

1,585,423. HOIST MECHANISM FOR POWER LOADERS. SAMUEL SHAFER, Jr., and LLOYD H. DRAEGER, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 27, 1924. Serial No. 695,461. 2 Claims. (Cl. 214—130.)



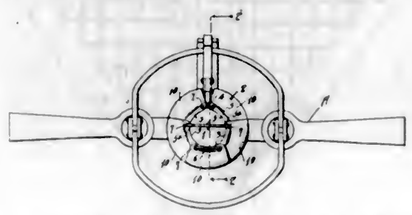
1. The combination with a supporting frame and a loading skip pivotally united thereto, of a stiffleg pivoted to the frame at a point to the rear of and below the pivot for the loading vessel, the stiffleg extending from its pivot upwardly and rearwardly so that its upper end is above the hopper portion of the loading skip, a rigid link pivotally connecting the upper, outer, end of the stiffleg with the hopper portion of the skip, a cable by which the movements of the skip are controlled, secured to the stiffleg and a winding mechanism for the cable mounted in the supporting frame.

1,585,424. COMBINED HEATING DRUM AND CANOPY. HENRY M. SHEER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed Feb. 19, 1923. Serial No. 620,112. 4 Claims. (Cl. 119—32.)



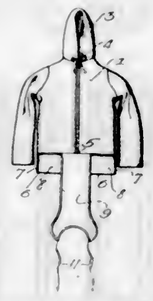
1. The combination of a drum, wings having hooks at the upper edges thereof for being detachably hooked over the edges of the drum, and means secured to the wings for engaging the sides of the drum and supporting the wings in a predetermined spaced relation therefrom.

1,585,425. JAW-TRAP-PEDAL PROTECTOR. ALEXANDER A. SHELTON, Hackberry, Ariz. Filed Apr. 9, 1925. Serial No. 21,927. 6 Claims. (Cl. 43—96.)



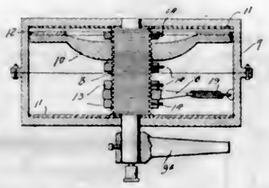
6. In combination with a trigger pedal of a jaw trap having a plurality of straight edges, a protector therefor comprising angular plates pivotally secured to the trigger pedal through one of its angular sides, the other side of each plate extending downwardly from the trigger pedal, and the adjacent edges of said angular plates being overlapped.

1,585,426. FRESH-AIR GARMENT. ADA MAE SIMPSON, Eaton Rapids, Mich., assignor to Eaton Rapids Woolen Mills, Eaton Rapids, Mich., a Corporation of Michigan. Filed Oct. 22, 1923. Serial No. 670,059. 1 Claim. (Cl. 2—93.)



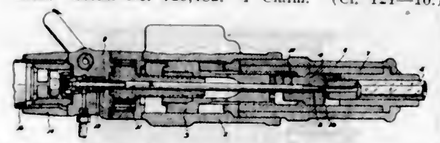
A garment comprising a jacket open at the front from the neck to a point short of the bottom edge of the jacket, a piece of material extending across the front and bottom of the jacket and secured at the side edges and bottom to form a pocket, said piece being secured at the center to the body of the garment whereby the said pocket is divided, and a flap extending from the said piece upwardly and around the neck of the garment.

1,585,427. SHOCK ABSORBER AND SNUBBER. GLEN E. SIMS, St. Anthony, Idaho. Filed Nov. 8, 1923. Serial No. 673,565. 3 Claims. (Cl. 267—9.)



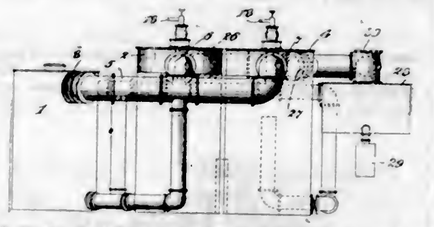
1. In an appliance of the character specified, a housing, a threaded shaft journaled in the housing, and braking means carried by said shaft, said braking means being adapted to coact with the wall of the housing when the shaft is rotated in one direction and to be released therefrom when rotated in the opposite direction.

1,585,428. ROCK DRILL. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 1, 1924. Serial No. 729,482. 1 Claim. (Cl. 121—10.)



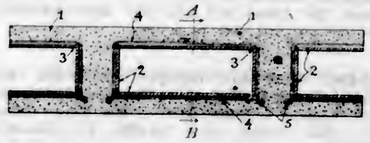
In a fluid actuated rock drill of the hammer type, the combination of a cylinder, a back head, a front head, a chuck having a chuck cavity into which a hollow drill steel is adapted to extend to receive the blows of impact of the hammer piston, a reciprocating hammer piston having a hollow bore, an inner tube extending through said hollow bore for supplying cleansing fluid to the drill steel, and a vent tube surrounding said inner tube and extending from the back head to the said chuck cavity, the rearward end of said vent tube being open to atmosphere, whereby the escape of leakage pressure fluid is continuously permitted rearwardly through said vent tube from a point in front of the piston close to the entrance to the drill steel.

1,585,429. APPARATUS FOR MANUFACTURING CARBURETED WATER GAS. GEORGE WALLACE SMITH, San Antonio, Tex., and FRANK L. WEISSER, Miami, Fla. Original application filed June 9, 1920, Serial No. 387,717. Divided and this application filed Aug. 5, 1924. Serial No. 730,172. 18 Claims. (Cl. 48—80.)



9. In an apparatus of the class described, in combination, a pair of shells having a suitable brick checkerwork formed therein to form carburetor and superheater members, a conduit connecting the lower portions of said shells, a generator operatively connected to one of said shells for supplying gases thereto in alternate "blow" and "run" periods, and independent means extending into the checkerwork for introducing air into the other of said shells during the blow period to remove the carbon deposits therein.

1,585,430. MANUFACTURE OR PRODUCTION OF HOLLOW CONCRETE FLOORS, BEAMS, AND SLABS. HORACE FRANK SMITH, London, and CHARLES HERBERT TUCKWELL, Richmond, England. Filed Aug. 28, 1925. Serial No. 53,020. 2 Claims. (Cl. 72—66.)

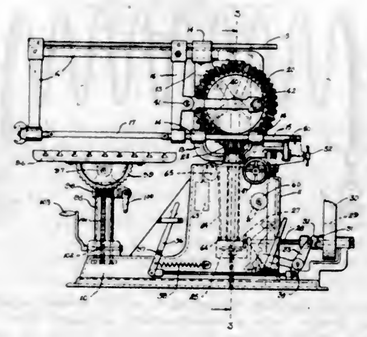


2. A concrete floor, beam, or slab, comprising in combination cores of folded fibrous material scored within the folds, a concrete layer located below the cores, concrete webs at the sides of the cores, a concrete layer above the cores, metal hoops around the cores, formed with loops at the lower corners thereof and metal reinforcing bars having their ends upturned and located in the loops.

1,585,431. CURRENT-RECTIFYING DEVICE. WALTER O. SNELLING, Allentown, Pa. Filed Sept. 24, 1923. Serial No. 664,611. 19 Claims. (Cl. 250—31.)

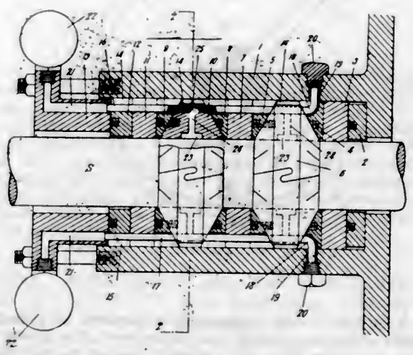
1. The process of modifying the electrical conductivity of a compound of a metal and an element of the sulfur group which comprises heating such compound in the presence of carbon bisulfide.

1,585,432. POWER HACK SAW. CHARLES A. STICH, Plymouth, Wis. Filed Jan. 28, 1924. Serial No. 689,066. 6 Claims. (Cl. 29—73.)



1. In a power driven hack saw, a base; a tubular sleeve slidably and rotatably carried by said base; a table carried by said sleeve; a saw frame slidably carried by said table; means for clamping said frame, table and sleeve in a predetermined angular position, while permitting of their vertical movement; and means for moving said table, frame and sleeve vertically.

1,585,433. METALLIC PACKING. WILLIAM SUDEKUM, Nashville, Tenn. Filed Jan. 2, 1925. Serial No. 5,096. 2 Claims. (Cl. 286—27.)



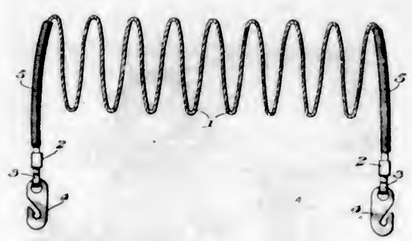
1. In shaft stuffing box packing, the combination of a plurality of packing rings, each provided with a longitudinal groove in its outer face, said grooves being in

registry to form a continuous groove; an oiling ring interposed between two of said rings; a continuous lubricating pipe received in said continuous groove and provided with an oil port registering with said oiling ring.

1,585,434. NONODOROUS PHENOLATED SOAP. NATHAN SULZBERGER, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,414. 6 Claims. (Cl. 87—5.)

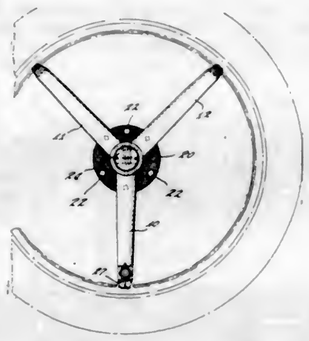
3. A soap containing phenyl-stearate.

1,585,435. TOWING LINE FOR VEHICLES. GEORGE SUMMERS and JAMES P. MINER, Endicott, N. Y. Filed July 14, 1924. Serial No. 725,966. 8 Claims. (Cl. 280—33.14.)



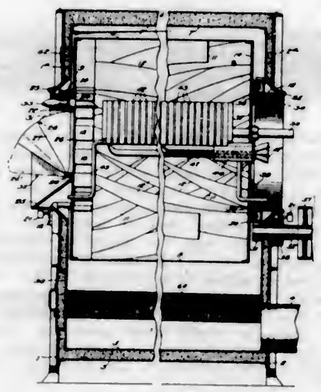
1. A towing line including a spiral spring capable of being drawn into a substantially straight line under tension which towing line inherently recoils on the removal of the tensile strain.

1,585,436. TIRE CARRIER. CARL G. SWENSON, Bruce, Wis., assignor to The Oakes Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 31, 1924. Serial No. 703,131. 5 Claims. (Cl. 224—29.)



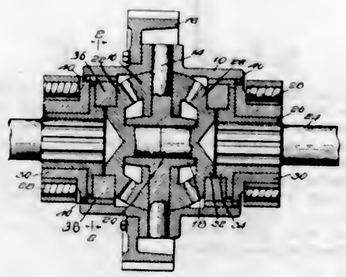
1. A tire carrier, comprising a plurality of radiating arms of channel section, the channel-web of each arm being separated from its adjacent channel-flanges for a distance back from the inner end of such arm, and said separated inner web-ends being in superposed relation and fastened together, each of said arms being arranged at its outer end to engage a tire-rim.

1,585,437. ROASTER. ROBERT H. TALBUTT, Baltimore, Md. Filed Feb. 20, 1926. Serial No. 89,745. 32 Claims. (Cl. 219—38.)



1. In a roaster, the combination of an exterior insulating frame, an interior foraminous roasting chamber journaled in said frame, an electrical heating unit mounted in said frame and extending into the roasting chamber, said heating element being exposed to heat directly material within the chamber.

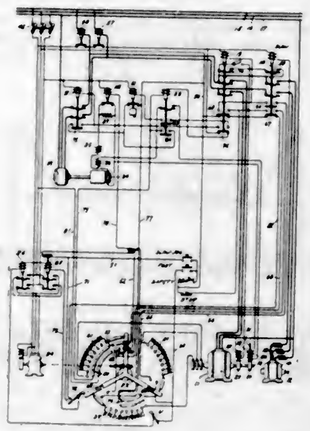
1,585,438. DIFFERENTIAL. CECIL HAMELIN TAYLOR and BOUDEWYN B. NEUTEBOOM, Detroit, Mich. Filed Aug. 21, 1924. Serial No. 733,313. 10 Claims. (Cl. 74—99.)



1. In a differential, in combination, a frame, a gear nest including driving balancing pinions and driven gears, and connections for transmissing torque from each driven gear to its live axle, said connections including torque-sensitive means for producing friction between the frame and the live axle without axial thrust.

1,585,439. ELECTRIC BRAKING SYSTEM. ROY N. THOMAS, East Orange, N. J., assignor to General Electric Company, a Corporation of New York. Filed May 31, 1924. Serial No. 716,885. 14 Claims. (Cl. 188—158.)

1. In a braking system for an electric motor driven machine, the combination with switch mechanism for connecting the driving motor of said machine to a source of supply and disconnecting the same therefrom, of an electrically operated friction brake for said machine, a separate source of energizing current for said brake, switch mechanism for connecting the said brake to said



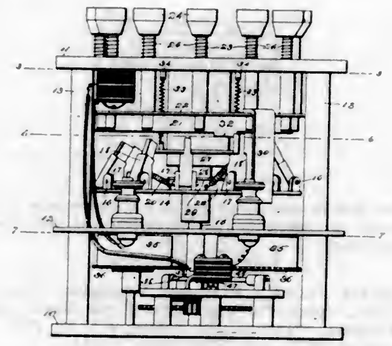
separate source to apply the brake upon the disconnection of the driving motor and automatic means for increasing the energization of said brake after the application thereof.

1,585,440. COMBINED STATEMENT AND CHECK. RICHARD H. VANSANT, Chicago, Ill., assignor to Blue Valley Creamery Co., Chicago, Ill., a Corporation of Delaware. Filed Nov. 27, 1922. Serial No. 603,385. 1 Claim. (Cl. 283—58.)

A combined statement and check consisting of a strip having a separation line dividing it into a statement part and a check part, the statement part having appropriately designated spaces arranged in a line adjacent its bottom edge to receive items of a transaction and the check part having appropriately designated spaces in a line adjacent its bottom edge to receive the amount of the check in words and in figures, said spaces on the check part being arranged in alignment with said spaces on the statement part, the check part also having appropriately designated spaces for the name of the maker and the name of the bank and for the name and address of the payee.

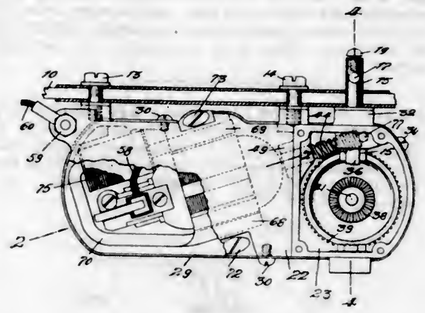
1,585,441. AUTOMATIC TRANSMITTER. RAYMOND E. VAUGHAN, Piqua, and WARREN S. D. LELAND, Dayton, Ohio. Filed Sept. 12, 1923. Serial No. 662,232. 7 Claims. (Cl. 177—380.)

1. In a transmitting device of the class described, in combination, electrical connections adapted to be connected to an external circuit, a circuit breaker for said connections, a rotatable member operably connected to said circuit breaker, a device for rotating said member, a series of stops mounted on said member, means for normally preventing rotation of said member and for moving one of said stops to an operative position ready



to be engaged by a depressed key, and a plurality of keys adapted when operated to be moved into the path of said stop at different points along said path.

1,585,442. WINDSHIELD CLEANER. SERGIUS VERNET, New York, N. Y., assignor to Motorcraft Engineering Corporation, New York, N. Y. Filed May 28, 1923. Serial No. 641,853. 16 Claims. (Cl. 74—14.)

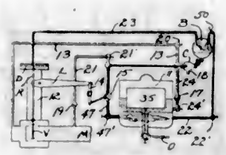


1. In a mechanism for operating a windshield wiper, a substantially rectangular frame, a rock shaft journaled in said frame, an electric motor having the axis of its armature inclined to the sides of the frame to enable the size of the frame to be reduced, a worm on said motor shaft, a worm wheel journaled in said frame and cooperating with said worm, and operative connection between said worm wheel and said rock shaft whereby rotation of said worm wheel causes oscillatory rotation of said rock shaft.

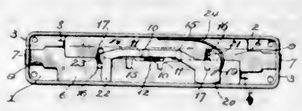
1,585,443. COMBINATION OIL AND GAS CARBURETOR. GOTTLIEB W. VOLZ, Long Beach, Calif., assignor, by mesne assignments, of one-half to William J. Bowman, Los Angeles, Calif. Filed Oct. 8, 1924. Serial No. 742,412. 3 Claims. (Cl. 236—8.)

1. A system for the maintenance of steam pressure comprising: a boiler; means for burning a carbureted mixture therennder; a carburetor provided with both a fluid fuel feed pipe and a gaseous fuel supply pipe, as

well as a nozzle for the delivery of an entrainment fluid; and means comprising a balanced valve, responsive to steam pressure, for controlling the flow of said entrainment fluid to said carburetor so as substantially to compensate for deficiencies in the delivery of said gaseous fuel thereto.

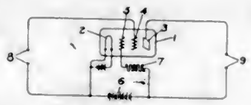


1,585,444. LOCK. FRANK A. VOSSENBERG, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Apr. 22, 1925. Serial No. 25,084. 6 Claims. (Cl. 70—74.)



1. In a lock, the combination with a casing, and bolts mounted therein to slide respectively in opposite directions, of a single key controlled tumbler having pivotal connection with one of said bolts and cooperable with the other bolt, whereby said bolts will be locked against relative movement either when in projected or retracted position.

1,585,445. ELECTRON-DISCHARGE APPARATUS AND METHOD OF OPERATING THE SAME. JOHN C. WARNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 29, 1924. Serial No. 696,038. 7 Claims. (Cl. 250—27.)

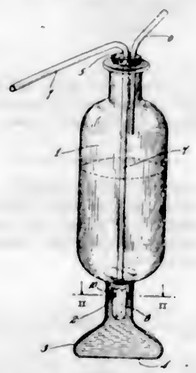


1. The combination with an electron discharge device having an electron emitting cathode, an anode and two grids interposed between cathode and anode, of an input circuit connected to the grid nearest the anode, an output circuit containing a source of potential which is connected to the anode through a load, and a connection from a point of constant potential on said source through an impedance to the grid nearest the cathode whereby that grid is maintained at a positive potential less than that of the anode.

1,585,446. DEVICE FOR THROWING BALLS. NATHAN E. WARWICK, Cleveland, Ohio. Filed Nov. 16, 1923. Serial No. 675,071. 6 Claims. (Cl. 273—107.)

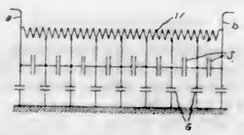
1. A device for throwing balls of the character described, comprising a club head having a shaft socket, a handled shaft therein, said head being provided with a substantially cup-shaped ball-receiving receptacle providing a definite seat for the ball, and a forwardly extending portion in front of said receptacle adapted to control the direction of the ball as thrown from the club head.

1,585,447. EXTRACTION FLASK. EDWARD L. WEBB, Cortland, N. Y. Filed Oct. 14, 1922. Serial No. 594,669. 8 Claims. (Cl. 23—259.)



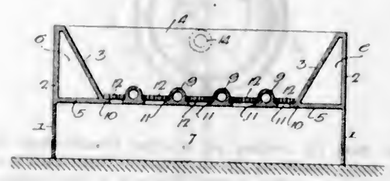
1. An extraction flask having a relatively large liquid-containing space of considerable cross-sectional area and a portion materially restricted in cross-sectional area in communication therewith adapted to receive the junction of layers of liquids of different specific gravity and thereby limit the area of the common surface of such contacting layers for the more perfect separation of the same, and means mounted in and supported by the flask and extending into said portion of restricted cross-sectional area and into the lower layer, for forcing substantially the entire upper layer out of the flask without material admixture therewith of the lower layer.

1,585,448. ELECTRICAL APPARATUS. JAMES M. WEED, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 29, 1920. Serial No. 354,896. 12 Claims. (Cl. 175—356.)



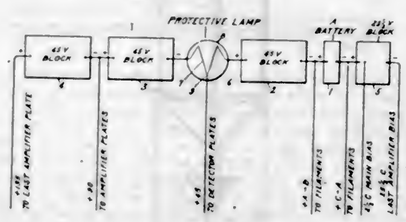
1. The combination in electrical apparatus, of a winding, and means for making the potential gradient due to capacitance substantially coincident with that due to inductance, whereby a substantially uniform potential gradient is maintained in said winding upon a sudden increase of potential across its terminals.

1,585,449. WATER GRATE. HOWARD R. WELSH, Haddonfield, N. J. Filed Nov. 6, 1920. Serial No. 422,129. 1 Claim. (Cl. 122—375.)



A bottom section for a hot water heater comprising a substantially vertical outer wall defining a casing; downwardly and inwardly inclined inner walls within the upper part of the casing; laterally extending bottom walls connecting the outer wall to the inner edges of the inclined walls to form an endless water chamber, said bottom walls extending inwardly beyond the edge of the inclined inner walls to form a ledge; water tubes extending between opposite portions of the chamber, said tubes having ledges projecting on opposite sides thereof; and grate members adapted to rest on the ledges of the side walls and the ledges of the water tubes to be supported thereby.

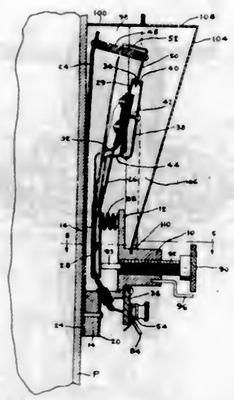
1,585,450. PROTECTIVE APPARATUS. DOW O. WHELAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 13, 1925. Serial No. 30,029. 7 Claims. (Cl. 179—171.)



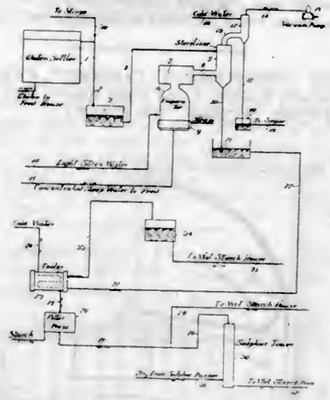
1. A protective device for an amplifying system having a plurality of thermionic discharge devices and sources of potential of different value for different devices, comprising a resistance which varies in value in a critical manner with the current flowing therein, said resistance being so connected to the system that the operating current supplied from a source of lower potential is required to flow through a portion only of the resistance, and the operating current supplied from a source of higher potential is required to flow through the entire resistance.

1,585,451. HEAT REGULATOR FOR HEATING SYSTEMS. EVERETT H. WHITE, St. Paul, Minn. Filed Mar. 14, 1924. Serial No. 699,281. 6 Claims. (Cl. 236—33.)

1. A heat regulator for heating systems comprising a thermostatic member secured in metallic contact with the outside surface of a hot water container associated with the heat generator, two spaced contact points insulatively mounted adjacent said thermostatic member, a contact finger insulatively mounted on said thermostatic member and adapted to be moved into engagement with one or the other of said contact points by the expansion and contraction of said thermostatic member, and electric connections for said contact finger and points whereby the degree of heat applied in the heating system is controlled.

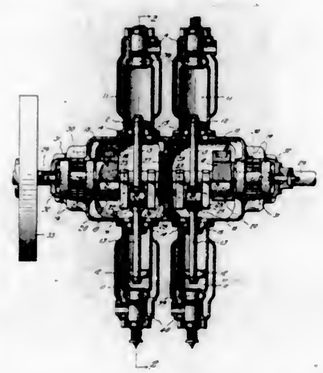


1,585,452. MANUFACTURE OF STARCH. JOHN M. WIDMER, Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa, a Corporation of Delaware. Filed Dec. 26, 1924. Serial No. 758,113. 18 Claims. (Cl. 127—67.)



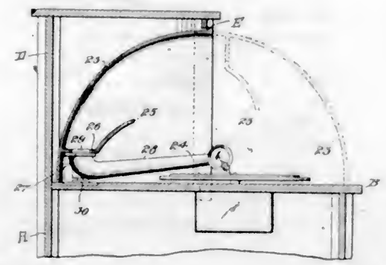
12. Improved method of manufacturing starch from corn which comprises steeping the corn, evaporating the steep water by application of heat, subjecting the grain in disintegrated condition and in water to separating operations for removal of the starch therefrom, sterilizing the water for use in these separating operations by means of heat derived from the evaporation of the steep water, cooling the sterilized water by means of a separate body of cooling water, acidulating the wash water from said starch washing step and utilizing said sterilized water and said acidulated water for separating operations as aforesaid, on subsequently treated material.

1,585,453. INTERNAL-COMBUSTION ENGINE. MAURICE KAYE WILLIAMSON, Adelaide, South Australia, Australia. Filed July 22, 1922. Serial No. 576,741. 12 Claims. (Cl. 123—56.)



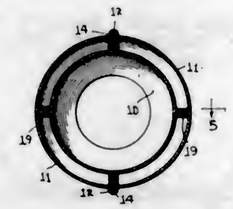
7. In an internal combustion engine, the combination of a crank casing, a plurality of co-axially arranged cylinders, pistons within said cylinders, a piston rod rigidly connected with said pistons, primary crank members arranged in coaxial alignment journalled on said casing, a secondary crank shaft having its ends journalled in the arms of the primary crank members and having arms equal in length to those of the primary cranks, a planetary pinion mounted on the secondary crank shaft and having a pitch diameter equal to the diameter of the orbit described by the axis of the crank about the axis of the primary cranks, a fixed circular rack engaging said pinion, and having a pitch diameter equal to twice the diameter of said orbit, a lay shaft provided with gears at its outer ends engaging pinions fixed to the primary shaft members, and a fly wheel mounted on said lay shaft.

1,585,454. PHONOGRAPH CABINET. CHARLES T. WITTSTEIN, Newark, N. J. Filed June 6, 1921. Serial No. 475,266. 5 Claims. (Cl. 274—2.)



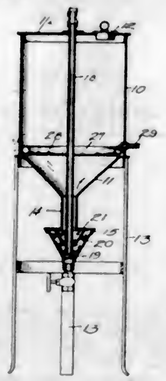
4. In a phonograph cabinet the combination with a body portion having a partition therein, a hollow extension above said partition formed with an open side, and sound reproducing mechanism including a tone arm which is mounted on said partition, of a movable cover above said partition adapted in one position to close said opening of the said extension to enclose the said mechanism and in another position to move into said extension to open said side thereof, said cover in said second-mentioned position serving as a horn to project sound from said tone arm outwardly through said open side of the extension.

1,585,455. MOLD FOR CONCRETE ORCHARD HEATERS. JOHN PAUL NICHOLAS WOOD, Dundee, Fla. Filed Oct. 21, 1924. Serial No. 744,924. 1 Claim. (Cl. 25—130.)



A mold for casting an inverted frusto-conical bowl, the same consisting of an inverted frusto-conical core, an exterior molding member disposed in surrounding relation to the core and consisting of transversely semi-circular elements of which each on its opposite edges is provided with rolled portions constituting barrels arranged in intercurrent relation with corresponding barrels on the opposite element, rods insertable through said barrels to hold said elements in engaged relation, radial arch plates disposed between the core and the exterior molding member adjacent the bottom of the core and molding member, and oval forms disposed between the core and molding member and at an intermediate point in the height of the latter, said arch plates and forms defining lateral openings in the molded product.

1,585,456. PROCESS FOR RENOVATING AND CLARIFYING USED GASOLINE. WILLIAM ALLINSON, Des Moines, Iowa. Filed Sept. 6, 1921. Serial No. 498,767. 4 Claims. (Cl. 196—15.)

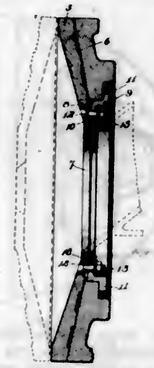


4. A process for renovating gasoline, comprising the forcing of the gasoline under pressure, into the lower part of a body of a settling chemical, heavier than the fluid to be renovated and through a restricted exit from the chemical container.

1,585,457. DISK ASSEMBLY FOR DISK CRUSHERS. CHARLES B. ANDREWS, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 22, 1923. Serial No. 676,285. 6 Claims. (Cl. 83—8.)

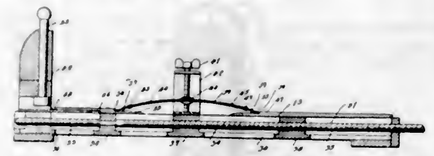
6. An outer disk assembly for grinding mills of the disk action type, comprising, in combination, a disk having a large central feed opening the defining wall of which has apertures for the passage of securing devices,

a disk head having a feed opening, and means for securing the disk to the head, said means including a locking ring which fits the feed opening of the disk head and has reverse radial offsets whereof one abuts the outer wall of the disk head and whereof the other offset con-



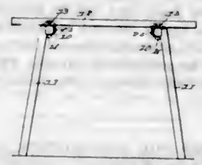
fronts the apertured wall portion of the disk and is initially spaced therefrom and has registering apertures, and securing devices penetrating both sets of apertures for effecting relative clamping action of the disk and head through the medium of the locking ring.

1,585,458. METATARSAL PAD LOCATOR. JOSEPH L. BARTH, Bismarck, N. Dak. Filed Apr. 29, 1924. Serial No. 709,875. 7 Claims. (Cl. 33—3.)



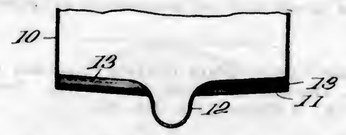
7. A device of the class described having a stop, a rod journaled on said stop, three slides screw threaded to said rod, a bracket carried by the intermediate slide, plates carried by the other slides, an arch plate adjustably mounted on said bracket, a plate on said bearing overlapping the plate of one of said slides, two of the plates being cut away and providing shoulders, arch plates at the ends of the first mentioned arch plates engaging said shoulders, and expansive spring connections between the second mentioned arch plates and adjacent plates.

1,585,459. KNOCKDOWN TABLE. CHRISTIAN O. BAUER, Los Angeles, Calif. Filed Oct. 25, 1922. Serial No. 596,768. 1 Claim. (Cl. 45—11.)



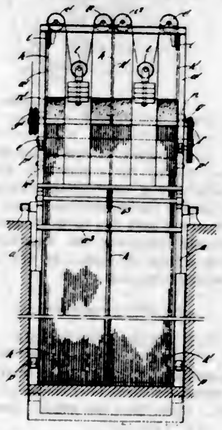
A knock-down table having cross bars and lugs attached to the cross bars, a top consisting of leaves having interlocking sliding engagement with the cross bars, interiorly threaded sockets in the under faces of the cross bars, and set screws threadingly engaging said sockets and extending through said cross bars for bearing engagement with the marginal top leaves.

1,585,460. FUEL TANK. JOHN E. BLAND, Ardmore, Okla. Filed Apr. 27, 1925. Serial No. 26,205. 3 Claims. (Cl. 210—57.)



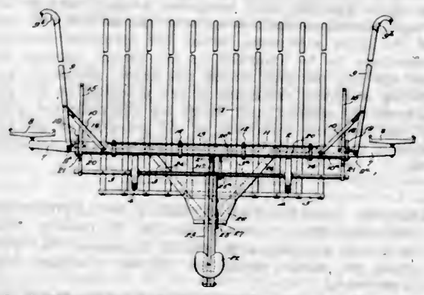
1. A fuel tank comprising a bottom having a channel formed therein and extending lengthwise thereof, and a series of transverse channels leading to the main channel, said transverse channels being formed by ridges struck up from the bottom.

1,585,461. SCREENING APPARATUS. FRANCIS WHITWELL BRACKETT, Colchester, England. Filed Mar. 26, 1925. Serial No. 18,530. 15 Claims. (Cl. 210—173.)



1. Screening apparatus of the kind described comprising a frame, an upper shaft and a lower shaft mounted in the frame, peripherally grooved pulleys mounted free on the upper shaft, at least one peripherally grooved pulley keyed to the upper shaft, peripherally grooved pulleys mounted free on the lower shaft and a continuous rope wound in the grooves of the pulleys of both shafts to form an endless band consisting of parallel lengths of rope.

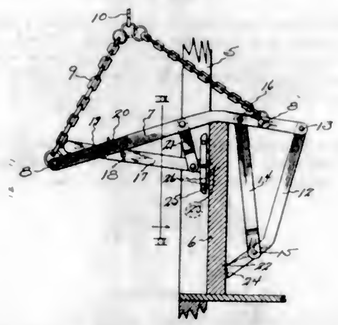
1,585,462. SWEEP RAKE. JAY J. CHAMPLIN, Beatrice, Nebr. Filed Mar. 28, 1925. Serial No. 18,990. 16 Claims. (Cl. 56—395.)



1. A sweep rake provided with fixed elevated forwardly projecting slide rails, and a head supported thereby independently of the rake tines and freely slidable on said

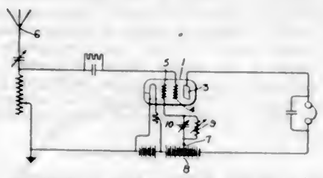
rails and loosely and flexibly coupled thereto to assume various angular positions while freely sliding longitudinally thereof, and draft attachments including tongues coupled to said head and independently swingable vertically.

1,585,463. GRAIN-DOOR PULLER. ADELBERT CHANDLER, Avondale, Mo. Filed Nov. 18, 1925. Serial No. 69,778. 8 Claims. (Cl. 294—86.)



2. A grain door puller comprising, in combination, a body member, means for connecting said body member to a source of power and means carried by said body member for engaging the grain door, said means including a pair of spurred bars one of said bars engaging said door at its one side adjacent the top thereof, the other of said bars engaging the door at its other side and adjacent the bottom thereof.

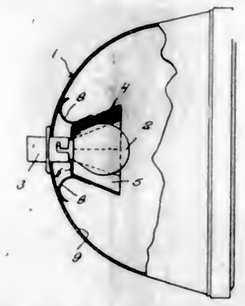
1,585,464. ELECTRON-DISCHARGE APPARATUS. STEWART L. CLOTHIER, Schenectady, N. Y.; Frank S. Clothier, guardian of said Stewart L. Clothier, assignor to General Electric Company, a Corporation of New York. Filed May 29, 1924. Serial No. 716,821. 4 Claims. (Cl. 179—171.)



1. An amplifying apparatus comprising an electron discharge device having an electron emitting cathode, an anode and two grids interposed between cathode and anode, circuit connections between the cathode and each of the other electrodes, means for supplying electrical variations to be amplified to the circuit between the cathode and the grid nearest the anode, means for producing resultant variations of the potential of the grid nearest the cathode, and means for adjusting the phase of the resultant variations in the potential of the grid nearest the cathode to produce an increased amplification.

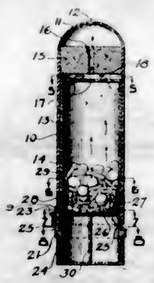
1,585,465. GLARE PREVENTER FOR AUTOMOBILE HEADLIGHTS. JOHN B. COAKER, WILLIAM A. BALDWIN, and ALEXANDER M. SMITH, Richmond, Va. Filed June 17, 1925. Serial No. 37,746. 1 Claim. (Cl. 240—48.6.)

A device for preventing the glare from headlights comprising a substantially frusto-pyramidal shaped member, the smaller rear end thereof being provided with an opening for accommodating the base of the lamp in the headlight, said frusto-pyramidal shaped member extending around the lamp, the inner surfaces of the sides of said member providing a reflector surface, and a plurality of curved spring fingers secured at their forward



ends on the outer faces of the opposed sides of the frusto-pyramidal shaped member, the rear free ends of said spring fingers having curved portions adapted to engage the inner surface of the headlight casing for resiliently supporting the aforementioned member in spaced relation with respect to the lamp.

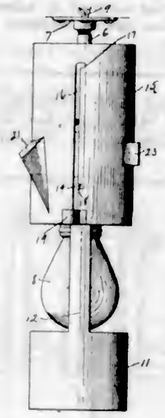
1,585,466. POCKET INHALER. CHARLES H. COLES, Gainesville, Fla. Filed Sept. 18, 1923. Serial No. 663,384. 2 Claims. (Cl. 128—200.)



1. In a pocket inhaler, the combination of a shell having one end perforated and the other end open, a container telescopically received in the open end of said shell and having its outer end closed by a removable outer cap, a perforated inner cap fitting within the container and spaced from the outer cap and defining an inner cavity for containing a medicinal preparation, the inner cap having a slot in its side, an internal lug on the container engaging the slot to limit the inward movement of the inner cap, means on the inner cap engageable by the outer cap for retaining the inner cap in position, and adjustable means for optionally establishing a draft longitudinally through the inner cap and the inner cavity and through the perforated end of the shell.

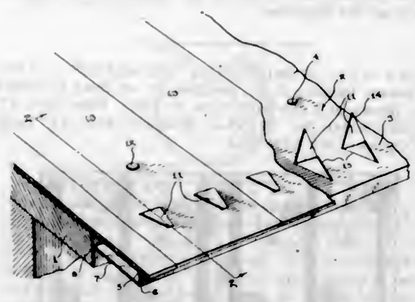
1,585,467. LAMP FOR LOCOMOTIVE CABS AND THE LIKE. FRANCIS RAYMOND COOPER, Madison, Wis. Filed Apr. 21, 1925. Serial No. 24,797. 6 Claims. (Cl. 240—7.1.)

1. In a lamp for locomotive cabs and the like, the combination of a socket for receiving an electric light bulb, means for securing the socket in fixed depending relation to some part of the cab, an inner casing of skeleton formation, including an upper band surrounding the socket and formed with depending side strips on opposite sides of the bulb, an outer casing surrounding the inner casing and adjustable vertically to cover or uncover the bulb, said outer casing having openings through which the light may shine upon the tender,



deck and gages when said outer casing is lowered, and shields for said openings to prevent the light from being projected laterally when it shines through said openings, said outer casing, when raised, leaving the space between said side strips entirely unobstructed for the passage of light.

1,585,468. CORNICE PLATE. WILLIS COVELL, Hornell, N. Y., assignor of one-half to Charles O. Rose, Hornell, N. Y. Filed Jan. 19, 1926. Serial No. 82,327. 4 Claims. (Cl. 108—26.)



1. A cornice plate comprising a body to be fastened to the marginal edge of the roof and provided with an under and downwardly turned flange secured to the cornice of the roof, in combination with roof edging shingles overlying the body of the cornice plate, and means carried by the cornice plate and penetrating the shingles to hold their end portions to the cornice plate.

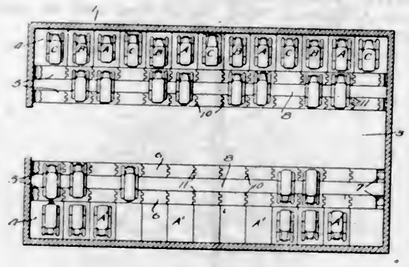
1,585,469. METHOD OF SIZING CELLULOSE FIBERS. JUDSON A. DE CEW, New York, N. Y. Filed Dec. 15, 1925. Serial No. 75,625. 2 Claims. (Cl. 92—21.)

2. A method of sizing paper pulp, which consists in treating the fibers while in the beater with sulphate of alumina and adding a stream of size emulsion to the fibers as they are entering the Jordan engine.

1,585,470. PERPETUAL CALENDAR. LOUIS BRISSET DES. NOS, Medfield, Mass. Filed Oct. 12, 1925. Serial No. 61,971. 1 Claim. (Cl. 40—115.)

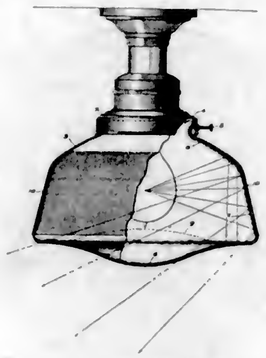
A perpetual calendar of the kind described, comprising a disc having thereon a plurality of concentric circular spaces, containing respectively the years, the centuries, the months, and the days of the month, an inner circle containing the days of the week, a rotatable disc mounted on said first disc and adapted to cover only the said circle containing the days of the week, sectors on said first disc, sectors on said rotatable disc to cooperate with said first sectors, said rotatable disc having an aperture therein, an indicating portion on one of the sectors on said first disc, said rotatable disc being adapted to be manipulated to disclose calendular facts and data.

1,585,471. STORAGE BUILDING. FERNAND E. D'HUMY, Englewood, N. J. Filed June 24, 1925. Serial No. 39,276. 8 Claims. (Cl. 214—16A.)



1. A vehicle storage building comprising a storage and driveway floor having a longitudinally extending driving aisle, a longitudinally extending movable storage and driving platform formed of hinged sections and running parallel with the driving aisle and having its upper surface substantially flush with the surface of the driving aisle, a longitudinally extending rigid permanent storage space parallel with the movable platform and on the opposite side thereof from the driving aisle, the upper surface of said permanent storage space being substantially flush with the upper surface of the said platform, and means for moving the storage and driving platform longitudinally in either direction to permit the vehicles on the permanent storage space beyond the platform to be moved outwardly to the driving aisle over a free unoccupied portion of the said platform.

1,585,472. LIGHT FIXTURE. ADOLPH F. DICKERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 3, 1923. Serial No. 666,415. 2 Claims. (Cl. 240—100.)



1. In a lighting fixture, a unit globe and a source of light, the globe having a paraboloidal zone and a conoidal zone, both zones having a common major axis, the focal plane of the paraboloidal zone cutting the conoidal zone in combination with a metallic reflecting surface on the globe, said surface covering a portion of the conic section and only a portion of the paraboloidal section.

1,585,473. MOTOR FUEL. LAZAR EDELEANU, Berlin-Charlottenburg, Germany. Filed Dec. 2, 1925. Serial No. 72,816. 3 Claims. (Cl. 44—9.)

1. A motor fuel comprising an extract obtained from the distillate of mineral oil boiling between 120° C. and 300° C. by treating said distillate with liquefied sulphur dioxide, the resultant product being substantially free from sulphur dioxide and such hydrocarbons as do not boil between the temperatures of 130° C. and 220° C.

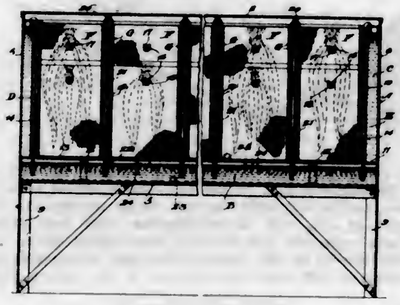
1,585,474. AUTOMOBILE CURTAIN ATTACHMENT. CARL A. ERDMAN, Bixby, Okla. Filed June 20, 1925. Serial No. 38,530. 1 Claim. (Cl. 296—138.)

In an automobile having the body and top thereof provided with side curtain securing buttons, a side curtain attachment comprising an elongated bar formed in two sections and having telescopic connections between the ends thereof, each section having a series of slots formed therethrough, one slot being adjacent one free end of each section and adapted to engage over an adjacent button carried by said body and top to hold the rod in extension therebetween, a spring device surrounding those slots through which buttons pass and receiving said buttons therethrough and engaging the same to hold said rod steady, and buttons shiftably held in the other of said slots and adapted to extend through and hold the side curtains against flapping, when the curtains are in position.

1,585,475. DRILLING AND FISHING JAR. AUGUST F. FALEY, Tulsa, Okla. Filed Oct. 21, 1924. Serial No. 744,974. 5 Claims. (Cl. 255—27.)

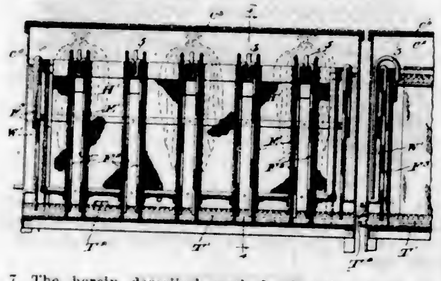
4. A drilling and fishing jar comprising an upper section and a lower section, reins on the upper section having a crotch therebetween, a plurality of shoulders formed on the reins below the crotch, a lower section guided between said reins, said lower section having a knocker head adapted to cooperate with the reins at the crotch portion, and means on the lower section adapted to engage the shoulders.

1,585,476. HUMIDIFYING APPARATUS. RAMON FEBLES, Passaic, N. J., assignor of one-third to James Y. Brown and one-third to G. P. Gill. Filed Nov. 17, 1923. Serial No. 675,414. Renewed Jan. 12, 1926. 6 Claims. (Cl. 131—55.)



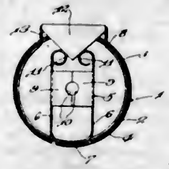
1. An apparatus for conditioning leaf tobacco comprising a container having a cover and the bottom thereof constituting a lower water reservoir, an upper water reservoir surrounding the walls of the container, a foraminous basket removably supported within the container above the level of water in the lower reservoir, wicks arranged between the foraminous basket and the reservoir on the side walls of the container and having opposite ends respectively immersed in the water of the upper and the lower reservoirs, means for suspending leaf tobacco in the foraminous basket, and foraminous partitions dividing the foraminous basket into a plurality of separate compartments, wicks carried by the foraminous partitions and having their lower ends immersed in the water within the reservoir at the bottom of the container.

1,585,477. PROCESS FOR CASING TOBACCO. RAMON FEBLES, Passaic, N. J., assignor of one-third to James Y. Brown and one-third to G. P. Gill. Original application filed Aug. 14, 1924, Serial No. 732,082. Divided and this application filed Feb. 6, 1925. Serial No. 7,419. 7 Claims. (Cl. 131—55.)



7. The herein described method of casing cured tobacco to preserve for a maximum period its pliability, strength and color, which consists in producing in a confined space a still atmosphere charged with approximately eighty-five to one hundred percent of moisture, and exposing the tobacco in said atmosphere until it becomes moisture saturated to its natural capacity.

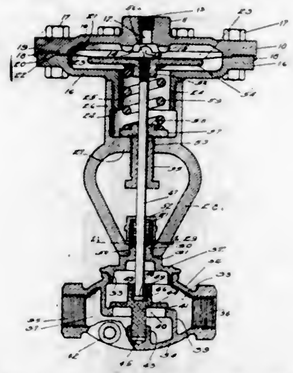
1,585,478. FASTENER. IKLEY C. FIFE, Chicago, Ill., assignor to Standard Rights Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 18, 1924. Serial No. 687,110. 2 Claims. (Cl. 24—211.)



1. A fastener of the class described comprising a casing including a body plate, a keeper confined in the casing, said keeper including a resilient strip of ribbon wire bent substantially U-shaped and arranged transversely of the casing with its bight portion secured thereto, members mounted upon the arms of the U-shaped keeper in spaced relation with the body plate and with corresponding edges normally in aligned abutment with respect to each other, said edges having arcuated recesses formed therein providing a circular opening when the edges are in abutting relation with respect to each other, and means movable into engagement with the keeper for moving the edges from abutting relation with respect to each other.

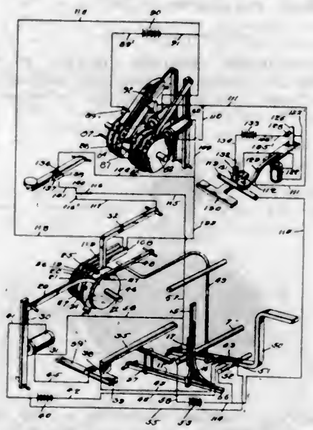
1,585,479. AUTOMATIC VALVE STRUCTURE. JASPER H. FISHER, Marshalltown, Iowa, assignor to The Fisher Governor Company, Marshalltown, Iowa. Filed June 11, 1923. Serial No. 644,716. 1 Claim. (Cl. 137—153.)

In a device of the class described, the combination of a valve structure, including a casing, a valve therein having a projecting stem, said casing having an opening of sufficient size to admit the valve, a detachable cap for closing said opening in the casing forming a sleeve for the stem, with a pressure sensitive device comprising a pressure sensitive element operatively connected with the stem, a support therefor, adjustable means carried by the support for imparting tension on said



element in one direction, and means for adjustably mounting said support on said cap and for locking the support in any position of said adjustment, whereby the pressure sensitive device, valve, and cap may be assembled and adjusted as a unit and then mounted on the valve casing by mounting the cap thereon.

1,585,480. ADDING MACHINE. ROY W. FLETCHER, Salt Lake City, Utah. Filed July 8, 1922. Serial No. 573,598. 37 Claims. (Cl. 235—92.)

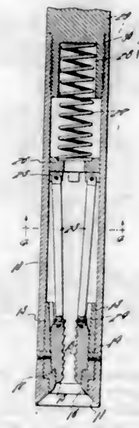


1. The combination of a keyboard, a plurality of independent registering units, and a unit selecting switch in electrical circuit with the registering units and with the keyboard for selecting any of said registering units and connecting the selected unit or units with the keyboard to be actuated thereby.

1,585,481. WELL FISHING TOOL. WILLIAM J. FLURY and LEWIS P. BRANDEL, Taft, Calif. Filed July 15, 1924. Serial No. 726,144. 1 Claim. (Cl. 294—102.)

A tool of the character described, comprising a cylindrical casing having a flared mouth piece at one end, wedge shaped blocks detachably secured within the cas-

ing adjacent the flared mouth piece and formed with tapering guide slots, gripping elements having enlarged centrally disposed portions on one side thereof adapted to be disposed within said guide slots whereby to slidably mount said gripping elements, said gripping elements having their upper ends bifurcated, a slide pis-



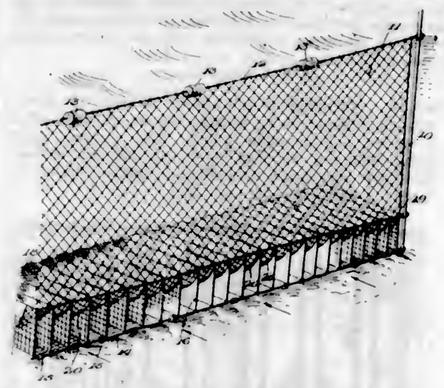
ton in the casing, lugs carried by the piston and arranged upon opposite sides thereof, connecting rods having one of their ends pivotally connected with the lugs and the other ends disposed within the pistons of the gripping elements and secured thereto, and a coil spring disposed for bending engagement against the piston as and for the purpose set forth.

1,585,482. HAIRPIN CUSHION. HANNAH C. FRASER and MARY ANN FRASER, Bournemouth, England. Filed Oct. 12, 1923. Serial No. 668,135. 3 Claims. (Cl. 223—60.)

1. A hair pin cushion, comprising a body material, a wide mesh flexible net surrounding the body portion, the top and bottom edges of the net being gathered and secured in such gathered relation to hold the net around the body portion.

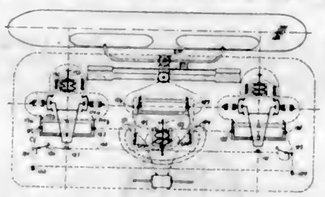
1,585,483. FISH NET. CHARLES KAATER FREER, Toledo, Ohio. Filed June 19, 1925. Serial No. 38,271. 1 Claim. (Cl. 43—7.)

A fish net comprising a length of fabricated material, a cable secured to the upper edge thereof and provided with floats, a cable secured to the lower edge of the material and provided with weights, said material adjacent the lower end having openings, pockets formed of fabricated materials connected to the material and embracing the openings, each pocket having an entrance alining with an opening in the material, a trap door formed of fabricated material swingably connected to



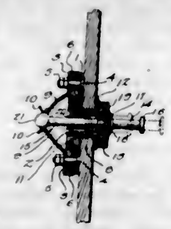
each pocket at an upper edge of the entrance to said pocket, a lanyard secured between the pocket and the lower edge of the door for maintaining said door partially open.

1,585,484. PROCESS AND APPARATUS FOR THE PRODUCTION OF AEROGEODETICAL STEREOPHOTOGRAPHS. MAX GASSER, Darmstadt, Germany. Filed June 27, 1914. Serial No. 847,665. 17 Claims. (Cl. 95—12.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an apparatus for the production of aero-geodetical photographs, the combination with an air vehicle, of a pair of biaxially arranged cameras spaced a known distance apart; a tensioned flexible member suspending said cameras from the vehicle; and positive parallel guiding devices connecting said cameras.

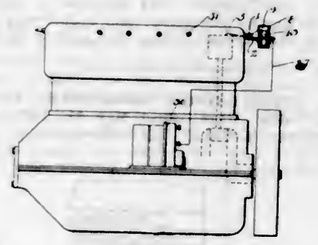
1,585,485. ELECTRICAL SWITCH. HUGO GERNSBACK, New York, N. Y. Filed Sept. 18, 1924. Serial No. 738,539. 1 Claim. (Cl. 200—163.)



In a device of the character described, a base having a threaded opening, a sleeve nut mounted in said opening, a plunger mounted in said sleeve, said plunger comprising a handle portion and an inner portion smaller

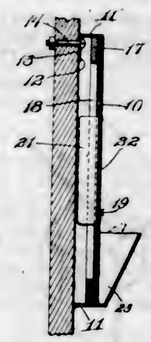
in diameter than the handle portion, the inner end of said handle portion being provided with a threaded bore adapted to receive the end of said inner portion, a spring arranged in said sleeve nut surrounding the inner portion of said plunger and adapted to engage the end of said handle portion to normally maintain the plunger in its outer position, and a pair of spring contact arms arranged on the rear of said base, the ends of said arms being spaced from each other a distance less than the inner end of said plunger whereby said arms will be placed under tension when said plunger is moved inwardly and will retain said plunger in said position.

1,585,486. APPARATUS FOR DETERMINING THE MOMENT OF IGNITION IN INTERNAL-COMBUSTION ENGINES. ROBERT M. GETCHELL, Dayton, Ohio. Filed Dec. 14, 1922. Serial No. 606,913. 17 Claims. (Cl. 234—21.)



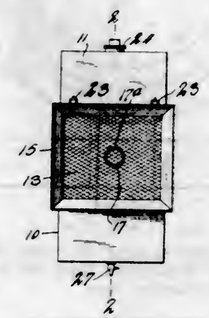
2. Apparatus for determining the moment of ignition in the cylinder of an internal combustion engine, embodying recording means, and an actuator for said recording means in direct contact with the engine piston to be moved by the engine piston, the recording means comprising a spark gap, a record sheet interposed in the spark gap, and the engine ignition circuit in which said spark gap and record sheet are included.

1,585,487. RECORDING DEVICE. HARRISON M. GILL and HOWARD H. BELL, Taft, Calif. Filed Nov. 3, 1925. Serial No. 66,584. 3 Claims. (Cl. 40—65.)



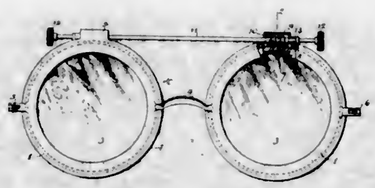
1. In a device of the character described, a casing having an open back and being relatively shallow from front to back, a backing sheet arranged within the casing and having vertical slits, angle bars each having one flange thereof disposed between the front casing wall and the front face of the backing strip and the second flange thereof disposed within a vertical slit of the backing sheet and projecting through the rear face thereof, the first named flanges of the angle bars having vertically arranged indicia series, the front wall of the casing having an opening through which said indicia may be observed.

1,585,488. HUMIDIFIER. WILLIAM MASGAN GOODE, El Reno, Okla. Filed Jan. 20, 1925. Serial No. 3,653. 2 Claims. (Cl. 261—99.)



1. In a humidifier, a casing, a partition extending in parallel relation to the bottom of the casing, one end wall of the casing above the partition being screened and provided with a flaring mouth, a reticulated air tube extending longitudinally of the casing and in spaced relation to the partition, an absorbent material about the reticulated tube and a cover for said casing providing a water compartment and having a drip cock for delivering liquid to said absorbent material, said reticulated tube being of less length than said casing, partition walls connecting the side walls of said casing above the first named partition, said reticulated tube having its ends engaged with said partition walls, said partition walls having openings aligning with the interior of the reticulated tube.

1,585,489. MULTIFOCAL GLASSES. HUBERT VICTOR HAILMAN, Fort Washakie, Wyo. Filed Jan. 16, 1925. Serial No. 2,906. 7 Claims. (Cl. 88—41.)

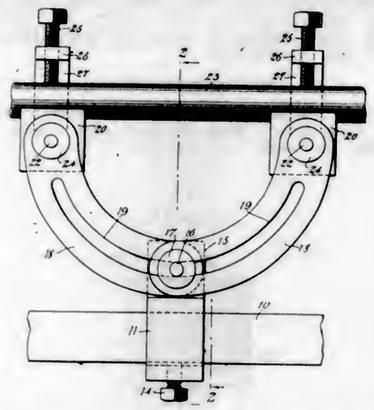


1. A pair of glasses comprising a frame having a pair of rims, each rim being provided with an annular track a multifocal lens mounted for rotation in the track, cooperating means on the rim and lens for causing simultaneous rotation of each of the lenses in the rims and a stationary lens mounted at the rear of each revolving lens.

1,585,490. WORK-HOLDING CLAMP. ARTHUR S. HAINSWORTH, West Pittsburgh, Pa. Filed Oct. 27, 1925. Serial No. 65,200. 7 Claims. (Cl. 29—89.)

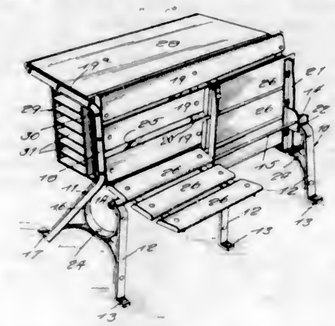
1. A work-holding clamp including pairs of arms rotatably and slidably adjustable relatively to a common

support, and work-engaging members carried at the free ends of the arms, said members comprising blocks



rotatably adjustable between the ends of the arms, said blocks being of polygonal shape and formed with a plurality of work-engaging faces.

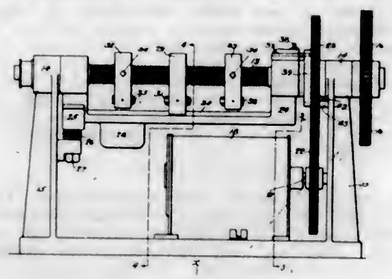
1,585,491. SCHOOL DESK. NATHANIEL HALE, Whitesburg, Ky. Filed Sept. 29, 1923. Serial No. 665,576. 1 Claim. (Cl. 155—87.)



In a combination desk and seat, spaced supports each comprising a front and rear leg connected together by braces, the front leg being provided at its upper end with an eye, the upper ends of the rear legs being provided with upward extensions forming back supports for the seats, a back secured to said supports, a rod directed through the eyes of said front legs, a seat pivoted to said rod intermediate each pair of supports, the upper ends of said extensions being bent to provide rearwardly directed portions affording a support for a desk top, the rear legs of the end sections being provided upon their outer edges with angular flanges protecting the ends of said seat back and desk top.

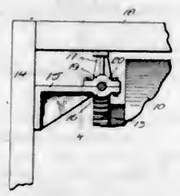
1,585,492. AUTOMATIC REVERSING DEVICE FOR ROPE HOISTS. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1918. Serial No. 258,613. Renewed Sept. 6, 1923. 5 Claims. (Cl. 172—239.)

5. Apparatus of the class described comprising driving means; a rotatably mounted flier; an element to be actuated thereby having such lost motion connection therewith that said flier may be moved by said means independently of said element to a position where a further movement of the flier occurs under the action



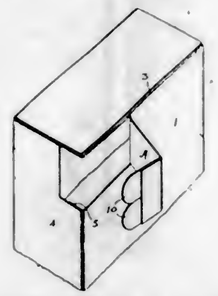
of gravity, said element being actuated by said flier during said gravity movement; and a reversing switch actuated by said element during said gravity movement.

1,585,493. DRUM-DRIVING MECHANISM. OSCAR C. HAMEL, Salem, Mass. Filed May 11, 1922. Serial No. 560,254. 1 Claim. (Cl. 308—74.)



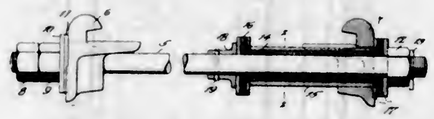
A device of the class described comprising a lower bracket adapted to be attached to a support and having spaced half bearings, an upper bracket adapted to be attached to a support and having spaced half bearings coacting with the half bearings of the lower bracket, and means for connecting the brackets at opposite sides of the half bearings.

1,585,494. DISPENSING CARTON. WILLIAM F. HARVEY, Toronto, Ontario, Canada. Filed Mar. 13, 1925. Serial No. 15,289. 4 Claims. (Cl. 229—17.)



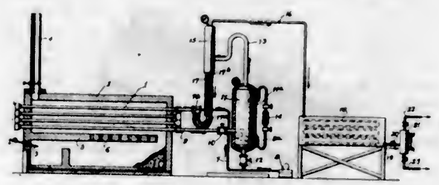
1. A dispensing carton having a portion of the front and side wall separable to form a dispensing opening, said side wall portion having a divided end adapted to grip the outer wall of the box to hold the separated portion in place to close the opening.

1,585,495. INSULATED GAUGE ROD. HERMAN F. HEYL and WILLIAM G. HULBERT, Easton, Pa., assignors to William Wharton, Jr., & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1926. Serial No. 91,144. 5 Claims. (Cl. 238—53.)



1. Means for insulating gauge rods, comprising the combination with a gauge rod and the elements to be insulated, of a main insulating body sleeved onto the rod, a body seal, and insulated end seals.

1,585,496. PROCESS FOR MAKING GASOLINE. RALPH C. HOLMES, New York, N. Y., FREDERICK T. MANLEY, Houston, and OTTO BEHIMER, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Original application filed Nov. 21, 1918, Serial No. 263,562. Divided and application filed Apr. 6, 1923, Serial No. 630,242. Divided and this application filed Aug. 13, 1925. Serial No. 49,962. 5 Claims. (Cl. 196—58.)



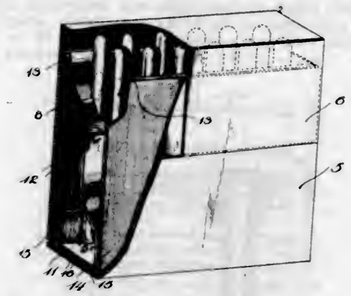
1. The process of converting hydrocarbon oil which comprises forcing said oil through a coil and drum while applying heat to said coil and drum and allowing the vapors generated to develop pressure until decomposition of the hydrocarbon begins, then reducing the heat applied to the drum while securing it against substantial loss of heat through radiation and vaporization, and continuously supplying to the oil in the drum the necessary heat for decomposition by means of the stream of oil entering from the coil, the stream entering the coil being continuously commingled with a hot condensate separated out from the generated vapors.

1,585,497. PROCESS OF MANUFACTURING DUCTILE TUNGSTEN. ALEXANDER JUST, Budapest, Hungary, assignor to General Electric Company, a Corporation of New York. Filed Feb. 23, 1924. Serial No. 694,771. 6 Claims. (Cl. 176—132.)

1. The step in the process of making metallic tungsten capable of being rendered ductile which consists in fusing the tungsten compound which serves as the derivation material for said tungsten.

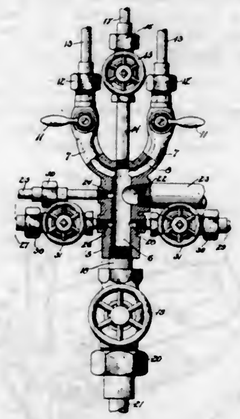
1,585,498. MEANS FOR PACKAGING SURGICAL SUTURES. WILLIAM J. KENYON, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey. Filed Nov. 7, 1924. Serial No. 748,379. 6 Claims. (Cl. 206—65.)

1. Means for packaging fragile tubes, comprising the combination with a box or receptacle and its complemental cover, of a flexible separator embodying a unitary structure having a bottom, and tube carriers springing



therefrom, and having spaced outer walls with flanges which underlie and reinforce the bottom.

1,585,499. AIR MANIFOLD FOR LOCOMOTIVES. FRANK STEPHENS KERRIGAN, Nashville, Tenn. Filed Dec. 14, 1925. Serial No. 75,371. 1 Claim. (Cl. 303—6.)

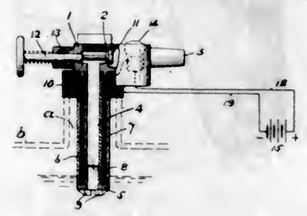


An air manifold for locomotives comprising, in combination, a body portion with a longitudinal bore and having two oppositely disposed branches integrally connected to one end and formed with passageways therethrough communicating with said bore, valves for controlling said passageways, means for connecting a main air supply pipe to said body portion, means for connecting pipes to said branches for supplying air to the track sanders, a comparatively small valve controlled pipe connected to the end of said body portion between said branches for supplying air to the bell ringer, and a comparatively large valve-controlled pipe connected to the other end of the body portion for actuating the reverse gear, the wall of said body portion being also tapped for connection to other air-operated devices.

1,585,500. BATTERY CELL FILLER. WILLIAM ERNEST KERSHAW, Philadelphia, and CARROLL HODGE, Radnor, Pa. Filed July 8, 1922. Serial No. 573,749. 3 Claims. (Cl. 226—39.)

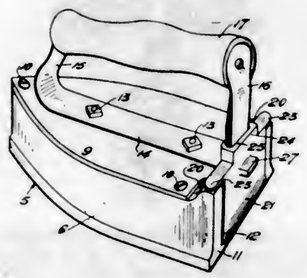
1. A battery cell filler comprising in combination an angle-bend fitting including a valve seat and a fluid inlet in confronting relation and a fluid outlet nozzle tube

extending at right-angles to the axis of the inlet and seat and adapted for insertion into the filling opening of a battery jar and provided with contacts insulated from each other, an insulating body enclosing a portion of the angle-bend of the fitting and slightly larger than the nozzle tube and adapted to be grasped in the palm of the hand, a spring closed valve co-operating with



the seat and having its stem accessible through the body, a lamp mounted in and visible from the exterior of the body, a battery adapted to be carried in the pocket, and circuit connections through the lamp to the contacts and including a flexible cable from the battery to the body and in line with the axis of the inlet and seat, substantially as described.

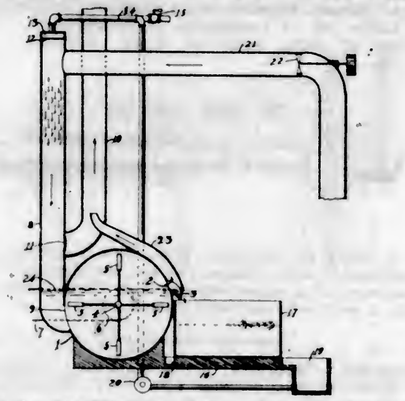
1,585,501. SMOOTHING IRON. EWALD W. KREIDER, East Point, Ga. Filed Feb. 14, 1923. Serial No. 618,958. 2 Claims. (Cl. 68—26.)



1. A smoothing iron comprising a hollow body, open at the rear end and formed to receive heating means therein, the body having a support rising therefrom and secured to a handle, a vertically slidable closure for the said open end of the body, the closure having a collar embracing a part of the support, and resilient means depending over a portion of the support adjacent to and directly engaged by and over which the said collar of the closure has movement for frictionally retaining the closure in open position.

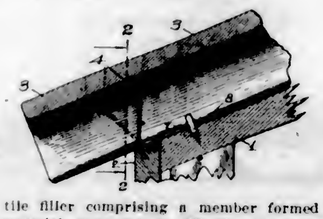
1,585,502. MACHINE FOR CLARIFYING SMOKE AND RECOVERING DEPOSITS THEREFROM. JOSEPH LA CHANCE, Morgan Hill, Calif. Filed July 5, 1923. Serial No. 649,617. 5 Claims. (Cl. 261—3.)

1. In combination, a wash-water collecting drum, a wash-water feeding tower communicating therewith, an agitator operatively mounted in the drum, a settling tank arranged to receive the discharge from said drum,



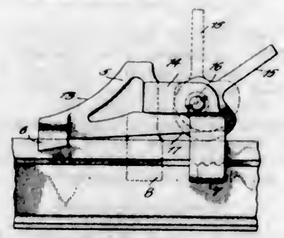
means for permitting the passage of water from said tank, and means for conveying water recovered from said tank to said tower.

1,585,503. TILE FILLER. JENS MILLER LARSEN, San Francisco, Calif. Filed June 9, 1925. Serial No. 35,985. 3 Claims. (Cl. 108—1.)



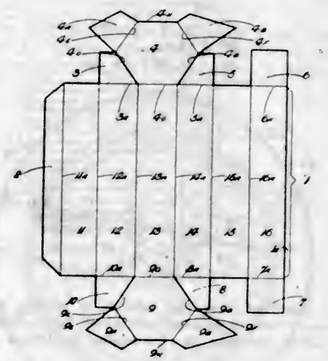
1. A tile filler comprising a member formed of wire screen material arranged to fill the space between a hollow roof tile and a supporting structure therefor to prevent the entrance of small birds and animals into said space, said member being provided with a lateral extension arranged to be secured to said supporting structure to retain said member in position.

1,585,504. RAIL CLAMP. FRANK H. LEHECKA, Chicago, Ill., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Dec. 3, 1925. Serial No. 72,908. 2 Claims. (Cl. 104—258.)



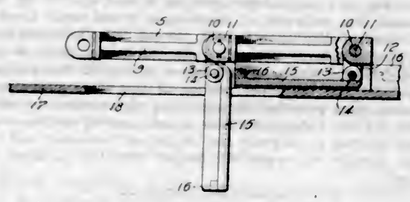
1. A rail clamp body consisting of an integral casting having a sloping bottom to provide rail clearance and having depending lugs with gripping terminals and a lining up lug or guide, the depending lugs having their opposed corners removed to facilitate the application of the clamp.

1,585,505. CARTON. JOHN LESLIE MCINDOE, Dunedin, New Zealand. Filed Dec. 28, 1922. Serial No. 609,524. 1 Claim. (Cl. 229—38.)



A hexagonal carton comprising a single blank bent to form a box portion, integral reenforcing tabs on the ends of alternate sides of the box portion adapted to be folded down across the open ends of the box, a hinged closure at each end of the box secured to the end of one side between two of said reenforcing tabs, and a pair of flaps on the closure arranged to be inserted in the box end in straddling relation to one of the reenforcing tabs and in the open spaces between the tabs; each of said flaps being cut away from one edge to the other and having a pointed end at that edge nearest the closure hinge, whereby to prevent the flaps from striking the edge of the folded-down tab opposite the hinged part when they are initially inserted and guided into the box end, and one of said flaps being longer than the other to permit them to be folded down and guided into the box end in succession.

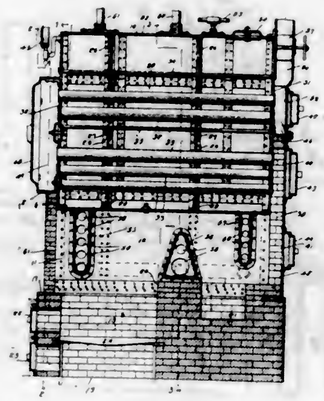
1,585,506. DRAG-CONVEYING CHAIN. LOUDON E. MACFADYEN, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Oct. 6, 1925. Serial No. 60,792. 3 Claims. (Cl. 198—189.)



3. A unit for conveyers of the linkage type, embodying a chain link of the integral construction type formed with depending lugs having hollow bosses, a floor plate having a reinforced front or lip and hollow bosses, and a pintle connecting the two sets of bosses.

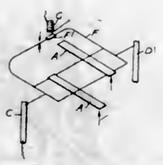
1,585,507. STEAM-BOILER FURNACE. EDWARD T. MOORE, West Philadelphia, Pa., assignor of one-half to Richard Allen, Philadelphia, Pa. Filed Oct. 27, 1921. Serial No. 510,716. 2 Claims. (Cl. 122—74.)

2. A boiler having an outer shell, an arched inner shell, said shells being spaced apart at their side walls to constitute pockets, the inner shell constituting a combustion chamber, means providing a fire box in communication with the combustion chamber, supporting means for the shell enclosing the fire box having a bridge wall and a soot pocket in the rear thereof, a baffle member spanning the inner shell and communicating with said pocket and resting on said bridge wall, a baffle member de-



pending from the inner shell spanning the latter and communicating with said pocket, the last mentioned baffle extending relatively close to said means adjacent the rear extremity of the pocket to provide a restricted space to facilitate precipitation of solid matter from products of combustion.

1,585,508. RESONANCE ARRANGEMENT PARTICULARLY APPLICABLE TO ELECTRIC RELAYS. CHARLES OLIVER, Chislehurst, England. Filed Apr. 18, 1924. Serial No. 707,498. 9 Claims. (Cl. 200—91.)

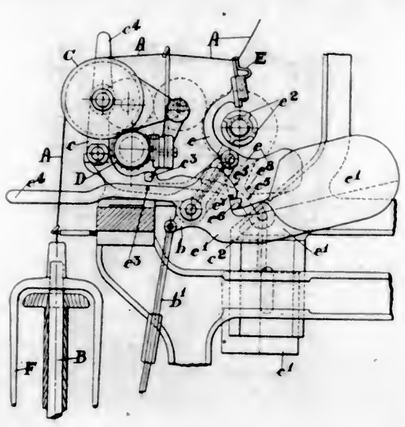


1. A resonance arrangement comprising an elongate member having torsional elasticity under longitudinal tension and rigidly secured at each end against rotation, a mass fixedly mounted on said member with the centre of said mass substantially coincident with the axis of said member in such wise that the said mass is balanced, and has a natural periodicity of oscillation about the axis of said member, and means, independent of said mass and operating within defined limits, to apply a recurrent torsional strain to said member at a frequency corresponding to the natural periodicity of said mass.

1,585,509. TWISTING FRAME. ROLAND PEARS and WALTER SEFTON SUFFERN, Belfast, Ireland. Filed Nov. 24, 1924. Serial No. 751,853. 2 Claims. (Cl. 118—7.)

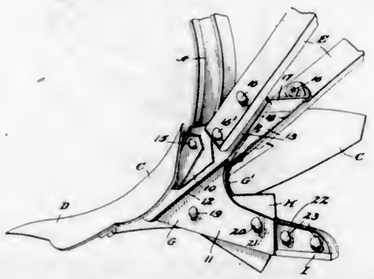
1. In a machine for twisting threads and yarns the combination of a driving roller, a pressing roller; a pivoted frame carrying the latter, a weighted arm rigidly con-

nected with the frame, a weighted catch lever, a detector slidably mounted in the catch lever and maintained in an inoperative position by the yarn, a tappet for engaging the detector when the yarn fails, a weighted



clutch lever adapted to engage the catch lever and the weighted arm, a clutch driven spindle provided with a sliding clutch member and an operative connection between the weighted clutch lever and the sliding clutch member.

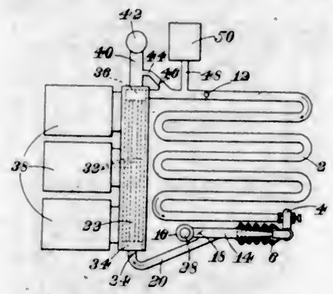
1,585,510. MIDDLE-BREAKER PLOW. CHARLES T. RAY, Louisville, Ky., assignor to B. F. Avery & Sons, Louisville, Ky., a Corporation of Kentucky. Filed Oct. 25, 1922. Serial No. 596,752. 8 Claims. Cl. 97—126.)



1. A middlebreaker plow comprising a beam and a rudder whose body substantially engages, and is rigidly secured to, both sides of the beam, and handles rigidly secured to the rudder and rigidly united to the beam thereby.

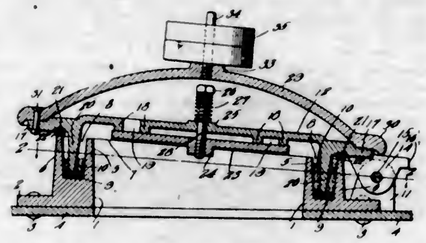
1,585,511. DRYING PROCESS AND APPARATUS. THOMAS RIGBY, London, England. Filed Feb. 13, 1922. Serial No. 536,259. 7 Claims. (Cl. 34—7.)

1. A process of drying solid materials wherein the same is carried in a comparatively finely-divided state by, and in suspension in, a current of hot gaseous products of combustion through a long duct so that the drying is effected during the passage of the material along the duct and by the heat brought into the duct by said gaseous products and wherein the material is caused to progress along the duct as steadily as possible and without deliberate and marked pause and which is character-



ized by the fact that the current is mainly composed of gaseous products as aforesaid which have already once passed along the duct in functioning as drying medium.

1,585,512. TANK CLOSURE. WESLIE MARCH ROADES, Okmulgee, Okla. Filed June 4, 1923. Serial No. 643,304. 4 Claims. (Cl. 220—44.)

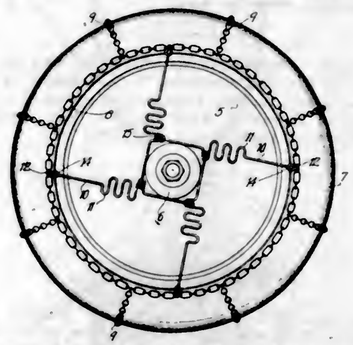


1. In a device of the class described, a base provided with upstanding annular flanges, defining a groove, a packing seated in the groove, a liquid seal in the groove, above the packing, a lid hinged to the base and provided with an annular flange, the said flange entering the groove, dipping into the seal, and engaging the packing, and an annular packing carried by the lid and cooperating with one of the flanges of the base; a valve mechanism slidable in the lid, the lid being provided with a port which is controlled by the lower part of the valve mechanism, a cover secured to the lid and housing the port and the upper portion of the valve mechanism, means being provided for admitting air between the cover and the lid, and a removable weight carried by the cover and serving to increase the weight of the cover and the lid, thereby to cause the flanges and the packings to conct.

1,585,513. WELTING AND METHOD OF MAKING SAME. PRINCE LEWIS ROYAL, Buford, Ga., assignor to Bona Allen, Inc., Buford, Ga., a Corporation of Georgia. Filed Jan. 7, 1925. Serial No. 1,033. 1 Claim. (Cl. 36—78.)

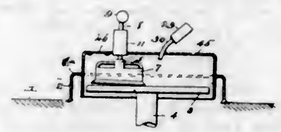
The herein described method of forming shoe welting which consists in slitting the grain side of a welt body along one edge, cutting a substantially rectangular strip from the flesh side along the slitted edge, folding back the flap made on the grain side by said incision, placing the said strip between the welt body and said flap, returning the flap over the strip and securing said flap to the welt body.

1,585,514. ADJUSTING DEVICE FOR TIRE CHAINS. EUGENE A. SAVARY, Phoenicia, N. Y. Filed Dec. 26, 1925. Serial No. 77,865. 3 Claims. (Cl. 152—14.)



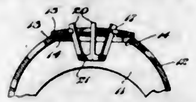
1. A tire chain adjusting device comprising a plurality of resilient rods each having an end adapted to be hooked to a side chain and the other end hooked to the succeeding rod, and means for adjusting the latter end of the rod.

1,585,515. MECHANICAL SPECIMEN-POLISHING DEVICE. EARL V. SCHAAL, Dayton, Ohio. Filed June 29, 1921. Serial No. 481,321. 2 Claims. (Cl. 51—216.)



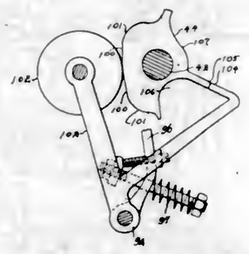
1. In a device for polishing specimens, a rotatable polishing wheel, a cup-shaped retainer for said specimens, said retainer being rotatably and vertically slidably mounted on a frame supported spindle in such a manner as to cause the retainer to bear on said wheel in tilted relation therewith, said wheel being adapted to impart a rotary motion to said retainer and of the said specimens therein relative to said container, and means for adjusting the position of said retainer with relation to the center of said wheel for the purpose of regulating the speed of rotation of said retainer.

1,585,516. FINGER RING. ARTHUR STELLER, Newark, N. J., assignor to Allsopp Brothers, Newark, N. J., a Corporation of New Jersey. Filed Apr. 18, 1925. Serial No. 24,050. 3 Claims. (Cl. 63—26.)



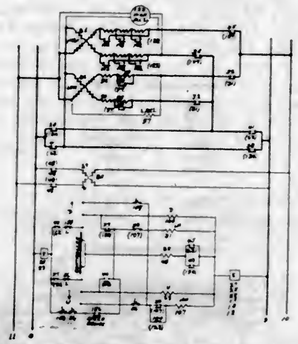
2. A solitaire finger ring comprising a band having a raised hollow crown, a convexly curved plate set on said crown, said plate having a central opening, a plurality of prongs extending into the opening from the margin thereof, and an open-work, cup shaped gem receiver fixed in the mentioned opening in engagement with the ends of said prongs.

1,585,517. SWITCH MECHANISM. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed July 13, 1921. Serial No. 484,429. 16 Claims. (Cl. 200—92.)



1. A switch for power apparatus, said switch being provided with a movable arm, a cam for shifting the arm, a spring yieldably coacting between the cam and the arm, and independent of said power apparatus, a switch motor for actuating the cam, there being means, in addition to the spring, for decreasing the load on the motor as the cam in its travel brings the arm toward fully thrown position to stall the motor with current still energizing said motor.

1,585,518. CONTROL MECHANISM. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Nov. 12, 1921. Serial No. 514,584. 24 Claims. (Cl. 172—152.)



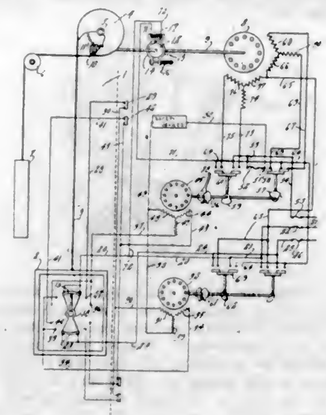
2. An alternating current electric motor having high speed windings and low speed primary windings, and a permanent resistor connected at all times and only with said low speed primary windings.

20. An alternating current electric motor, and control means for the stopping thereof embodying an electromagnetic brake, permanent resistance and additional resistance insertable with the motor for thereby lessening the torque of the motor, a controller for the motor, and a speed device for holding the motor and permanent resistance connected during retarding operation of the motor for a decrease of the motor operative rate to a determined speed, said controller being also operable for bringing about retarding operation of said brake.

1,585,519. MULTISPEED-MOTOR PROTECTION. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 14, 1925. Serial No. 75,315. 6 Claims. (Cl. 172—179.)

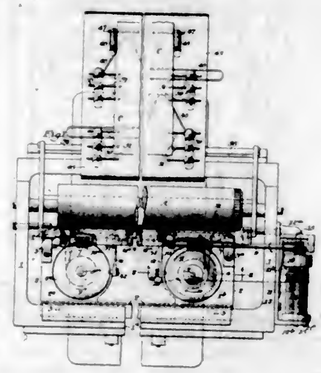
1. A motor having high and slow speed windings, a high speed switch for the high speed winding, a low

speed switch for the low speed winding, electromagnetic means for operating the high speed switch, and electric conducting means between said switches providing an



overload current circuit breaking means in said conducting means, said electromagnetic means being connected to said conducting means on the side of said circuit breaking means toward said low speed switch.

1,585,520. MANIFOLDING MECHANISM FOR TYPEWRITING MACHINES. MARC O. ANTHONY, Philadelphia, Pa. Filed Apr. 6, 1925. Serial No. 21,196. 27 Claims. (Cl. 197—126.)



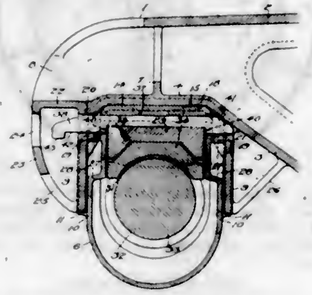
1. The combination, in a typewriting machine, of a pair of supplemental spools, a plurality of superposed duplicating ribbons carried by said spools, guiding means for said ribbons adjacent each spool, said guiding means including rollers movable in one direction only under the influence of the ribbon when moving in one direction, and means for operating said supplemental spools.

1,585,521. MANUFACTURE OF ALKALINE SECONDARY OR STORAGE BATTERIES. WALTER H. BANCROFT, Bryn Athyn, Pa. Filed June 18, 1925. Serial No. 37,962. 2 Claims. (Cl. 136—29.)

1. The process of making units for alkaline storage batteries which consists in first washing and then pinching end portions of an assemblage including metallic strips and active material or material to become active

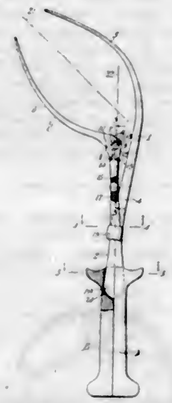
arranged between the strips, whereby the pinched portions of the strips are bared.

1,585,522. JOURNAL-BOX-FASTENING MEANS. DONALD S. BARROWS, Rochester, N. Y., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Oct. 30, 1924. Serial No. 746,799. 7 Claims. (Cl. 105—220.)



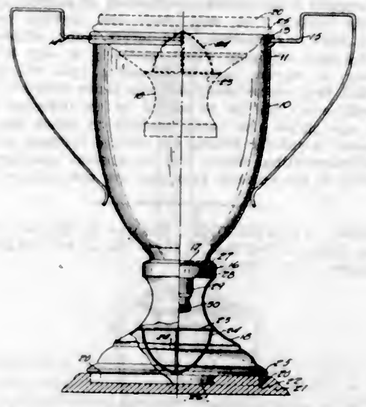
1. The combination with a side frame having a journal box engaging portion, of a journal box therefor, a wedge therein, and means for interlockingly connecting said frame and box, said means being adapted to cooperate with said wedge intermediate the ends thereof to prevent undesired withdrawal of said means.

1,585,523. OBSTETRICAL FORCEPS. LYMAN GUY BARTON, Plattsburg, N. Y., assignor to George Tiemann & Co., New York, N. Y., a Corporation of New York. Filed May 23, 1925. Serial No. 32,485. 5 Claims. (Cl. 128—323.)



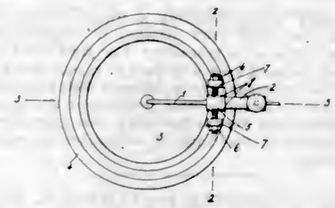
4. In obstetrical forceps a member formed with a handle, a swinging blade capable of moving with the handle and swinging independently thereof but swinging in the same plane in which the handle swings, and means for locking the blade in different positions in respect to the handle.

1,585,524. CONVERTIBLE LIQUID CONTAINER. WILLIAM L. BASS, New York, N. Y. Filed Mar. 22, 1926. Serial No. 96,630. 14 Claims. (Cl. 220—1.)



12. A loving cup, convertible into a beverage shaker, having a base, and having a fruit squeezer and pouring spout concealed in the base when the parts are in the position to make the device appear as a loving cup, the base being detachable and adapted to act as a cover for the loving cup to transform it into a beverage shaker.

1,585,525. STYLUS MOUNTING. LEON BAXTER, Brooklyn, N. Y. Filed June 10, 1924. Serial No. 719,167. 1 Claim. (Cl. 274—35.)

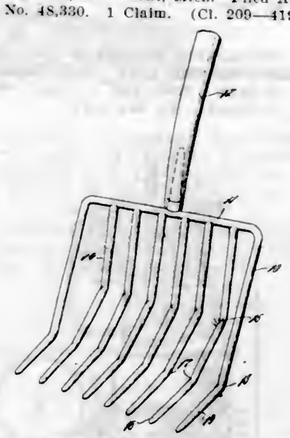


The combination with a sound box carrying a diaphragm and having its frame provided with spaced outstanding ears through which are screwed bolts having cone-shaped ends, of a stylus bar constructed of a single piece of metal having a needle carrying head provided with an inner enlargement which is slitted longitudinally on its opposite sides to receive the conical ends of the screws therethrough, to permit of the said conical ends of the screws embedding themselves in the walls provided by the slits and affording a pivotal support for the stylus bar.

1,585,526. PROCESS OF PRODUCING TRAP JAWS. LESTER A. BEARDSLEY, Norwich, N. Y., assignor to Norwich Wire Works, Inc., Norwich, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,688. 10 Claims. (Cl. 29—148.)

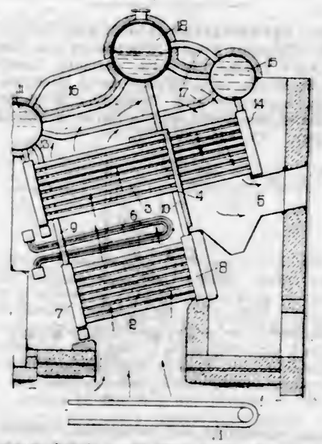
1. The herein described process of forming a jaw for a trap, which consists in providing a suitable blank, forming pintles on the end portions thereof, bending said blank into the form of a trap jaw, and then cutting out a portion of said blank and forcing it downwardly to provide a secondary jaw.

1,585,527. POTATO PICKER AND GRADER. THEODORE BELANGER, Provemont, Mich. Filed Aug. 5, 1925. Serial No. 48,330. 1 Claim. (Cl. 209—419.)



A potato picker including a handle, a U-shaped guard frame supported at one end of the handle, the sides of said frame having their extremities disposed at oblique angles to said sides, a plurality of spaced parallel tines connected with the intermediate portion of the guard frame and having their major portions arranged rearwardly at the end of the frame, each tine being substantially V-shaped for the major portion of its length to form with the side members of the frame a pocket for the reception of potatoes lifted from the ground by the implement and the free ends of said tines being bent at an angle thereto, and arranged to lie in the same plane with the angular extremities of said frame for the purpose specified.

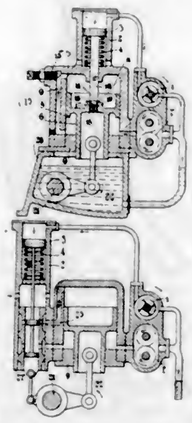
1,585,528. WATER-HEATING AND STEAM-GENERATING BOILER. ALFRED WILLIAM BENNIS, Bolton, England. Filed Aug. 3, 1925. Serial No. 47,929. 4 Claims. (Cl. 122—331.)



1. A water heating and steam generating boiler comprising in combination a furnace grate, a short bank of boiler tubes and headers at each end thereof, through

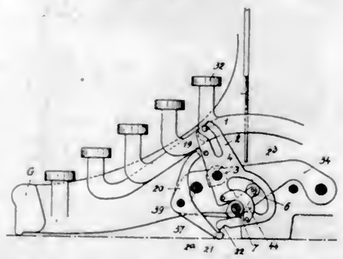
which the furnace gases pass directly upwards, a materially longer bank of tubes and headers at each end thereof and three drums above said banks of tubes, one drum being common to one end of both the short and long bank of tubes whilst the two others are each separately connected to the headers at the opposite ends of the banks of tubes.

1,585,529. HYDRAULIC GOVERNOR FOR ENGINES, TURBINES, AND THE LIKE. JENS ORTEN BOVING, London, England. Filed Feb. 1, 1922. Serial No. 533,336. 2 Claims. (Cl. 264—14.)



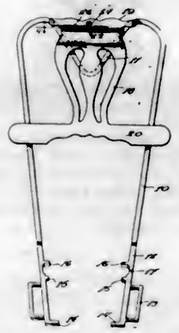
1. A governor for prime movers comprising a hydraulic tachometer constituted by a cylinder, a piston, a spring and a centrifugal impeller driven by the prime mover, a cooperating hydraulic servomotor constituted by a differential piston and cylinder, a pump, a conduit between said pump and the cylinder space exposed to the smaller effective piston area, a constricted passage interconnecting the two cylinder spaces, and valve means associated with one of said pistons coacting with an outlet port associated with the other of said pistons to produce a variable outlet passage from the cylinder space exposed to the larger effective piston area.

1,585,530. TYPEWRITING AND CALCULATING MACHINE. THEODOR EUGEN BUSCHMANN and CHRISTIAN EMIL ARNO CLAUS, Chemnitz, Germany, assignors to Wanderer Werke vorm. Winklhofer & Jaenicke, A. G., Schonau, near Chemnitz, Germany. Filed Sept. 30, 1925, Serial No. 59,650, and in Germany July 3, 1924. 14 Claims. (Cl. 235—59.)



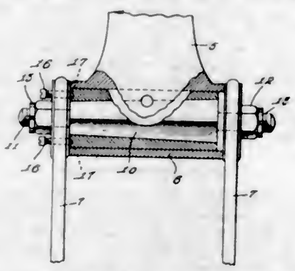
1. In a typewriting and calculating machine of the type including a paper carriage, calculating and counting mechanisms adjustable on said carriage, numeral keys, means for transmitting values determined by the depression of said numeral keys to said calculating and counting mechanisms, said means comprising a stepped cylinder and adjusting wheel displaceable relatively to said stepped cylinder, the combination of a shaft, levers radially arranged on said shaft and making various angles with one another, said levers being adapted to displace said adjusting wheel relatively to said stepped cylinder to varying extents depending upon the angles at which they are severally set, cam plates adapted to act on said levers and to be moved by the numeral keys, said cam plates also being adapted to throw into engagement means for driving the stepped cylinder and the value-transmitting means and to prevent complete depression of the numeral keys that are not actuated.

1,585,531. COPYHOLDER. HERMAN G. CHASE, Clarkston, Wash. Filed Nov. 6, 1924. Serial No. 748,234. 7 Claims. (Cl. 120—28.)



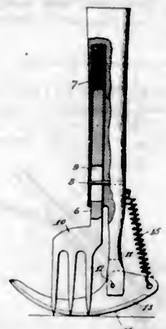
1. A copy holder including a frame having coacting arms provided with jaws disposed to straddle and engage the frame of a typewriter, the jaws being formed near their forward ends with lugs to engage beneath portions of the typewriter frame and near their rear ends with spaced lugs to straddle other portions of the typewriter frame sustaining the holder upon the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

1,585,532. ADJUSTABLE BOLT. JACOB L. COLE and DENZEL R. GUMP, Brave, Pa. Filed Nov. 12, 1924. Serial No. 749,508. 1 Claim. (Cl. 287—100.)



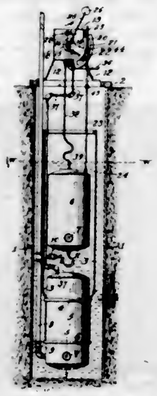
A device of the character described comprising a machine part having a sleeve, a four sided bolt passing through the sleeve, threaded extensions formed on the four sided bolt, nuts arranged on the threaded extensions and holding machine elements in place, a plurality of shims embracing the four sided bolt and formed with recesses to conform with the sides of the bolt, the shims being tapered longitudinally and adjusting screws on one of the machine elements and engaging the adjacent ends of the shims whereby to adjust the same longitudinally.

1,585,533. COMBINATION KNIFE AND FORK. PHOEBE E. COURSEN, New York, N. Y., and ERNEST F. JACOBUS, Pond Eddy, Pa. Filed Dec. 10, 1925. Serial No. 74,515. 1 Claim. (Cl. 30—5.)



A combination knife and fork embodying a handle, a set of fork tines having an offset shank slidably working in a longitudinal passage in the handle, a spring enclosed in the handle for normally projecting the fork, a stop device for arresting the fork, a depending finger affixed to the handle alongside the fork shank and on the opposite side of the offset, a curved knife pivoted on the lower end of this finger and having a curved cutting-edge extending across the fork tines, and a spring for normally forcing the cutting-edge of the knife downwardly.

1,585,534. WATER-ELEVATING APPARATUS. THOMAS E. CROCKETT, Eldorado, Kans., assignor of one twenty-fourth to (Mrs.) J. N. Harshman, Eldorado, Kans. Filed Nov. 24, 1923. Serial No. 676,819. 13 Claims. (Cl. 103—248.)

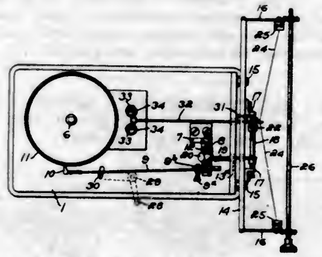


1. In a water elevating apparatus, in combination with movable and stationary storage tanks and a source of pressure, of a valve actuated by the movable tank for controlling the pressure to said tanks and the discharge of water therefrom.

1,585,535. MOTOR-DRIVEN HANDSAW. CHARLES W. CROGAN, Old Orchard, Me. Filed Jan. 20, 1925. Serial No. 3,602. 7 Claims. (Cl. 143—47.)

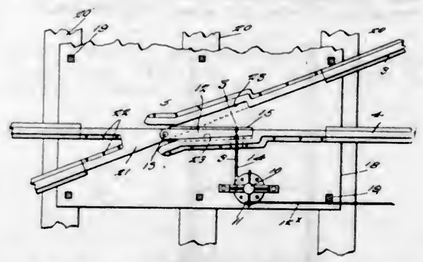
4. In a motor driven hand saw, a portable support, a motor mounted thereon, a spring controlled combined saw blade guard and carrier arranged forwardly of and pivotally connected at its rear end to said support, a rotary saw blade, a shaft therefor journaled in said combined guard and carrier, operating means for said shaft supported by said combined guard and carrier, a transmission mechanism on said support and operated from said motor and having a universal joint connection with said operating means, and means slidably connected to said support and pivotally connected to said combined guard and carrier for adjusting the latter to control the depth of the cut by the blade.

1,585,536. HUMIDIFYING APPARATUS. GEORGE W. D'ARCY, Boston, Mass. Filed Apr. 6, 1921. Serial No. 459,178. 17 Claims. (Cl. 236—44.)



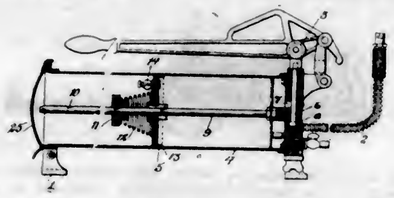
1. Humidifying apparatus comprising a water supply pipe with a vaporizer and a spray nozzle thereon, a fluid supply pipe leading to the water pipe, a fluid pressure controlled valve in the water line, and means for controlling the action of the fluid pressure comprising a diaphragm valve, and a magnet valve, and a hydrograph for controlling the magnet valve.

1,585,537. SAFETY-SWITCH CONSTRUCTION FOR RAILWAYS. JOHN B. DAVIS, Wheeling, W. Va. Filed Jan. 21, 1925. Serial No. 3,860. 1 Claim. (Cl. 246—386.)



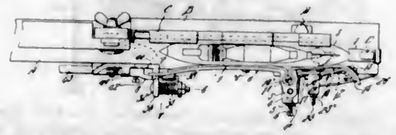
In a railway construction, the combination with main track rails, turnout rails and movable switch rails, of a plate fixed under the continuous portions of the main track, turnout and switch rails, a frog fixed with respect to said plate and having divergent arms alined with the heel portions of the switch rails and also having recesses in the opposed sides of said arms and undercut chambers in communication with said recesses, and a frog point pivoted to said frog and movable in the space between the recessed arms thereof and having a comparatively wide base the edge portions of which are adapted to enter the undercut chambers in communication with the recesses of the arms, for the purpose set forth.

1,585,538. PISTON ACTUATOR FOR GREASE COMPRESSORS. GEORGE W. DE LOACH, New York, N. Y. Filed May 1, 1925. Serial No. 27,290. 3 Claims. (Cl. 221—47.1.)



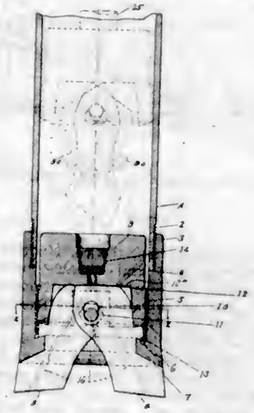
2. The combination with a grease compressor provided with a stationary rod extending longitudinally of the cylinder of the compressor, said rod being formed with notches and a piston slidingly mounted on said rod, of a catch slidingly mounted on said rod and formed with catch bolts adapted to project into the respective notches according to the position of the catch along the rod, and a spring held under compression by said catch, said spring having one end bearing against said piston and acting as means for propelling the piston.

1,585,539. SHUTTLE-BINDING MEANS. NAZAIRE DEMERS, Lawrence, Mass. Filed Jan. 9, 1925. Serial No. 1,475. 8 Claims. (Cl. 139—185.)



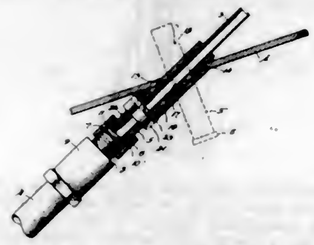
1. In a shuttle binding means, a binder body having a space at its face, a flexible strip connected with the body and extending across said space, and spring means carried by the body and backing the flexible strip in said space, said means including a spring strip adapted to bear against a lay.

1,585,540. DETACHABLE ROTARY BIT. CHARLES T. DOUGHERTY, Lemoore, Calif., assignor to F. C. Dougherty, Huntington Beach, Calif. Filed Dec. 26, 1923. Serial No. 682,669. 7 Claims. (Cl. 255—76.)



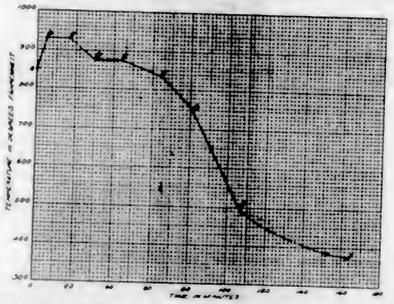
1. The combination with a well casing which is adapted to be rotated and having a shoe secured on its lower end, of a holding nut adapted to be screwed into the shoe and secured therein, said nut being removable with relation to the shoe through the casing, a pair of cutting bits carried by the nut and pivotally mounted therein to permit the bits to be projected or retracted, means for automatically projecting the bits when the holding nut is screwed into the shoe, and means whereby the bits may be locked and clamped between the nut and shoe when projected.

1,585,541. HYDRAULIC-BRAKE COUPLING. LEO M. DRUST, Detroit, Mich., assignor of one-half to James H. Myler, Detroit, Mich. Filed Oct. 23, 1925. Serial No. 64,315. 8 Claims. (Cl. 285—50.)



8. In a fluid line assembly for hydraulic brakes, the combination with a vehicle frame having an orifice therein, a conduit within said frame and a flexible hose exterior to said frame, of a coupling member insertable into said orifice and notched for engagement with the walls of said orifice when said member is set at an angle to said frame, locking means in the form of a sleeve on said member having an angularly disposed face engaging said frame, means retaining said sleeve in abutment with said frame, and connecting means securing said hose and said conduit to said coupling member.

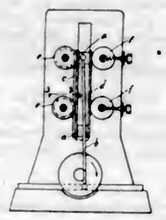
1,585,542. PROCESS OF ANNEALING GLASS. KENNETH M. HENAY, San Francisco, Calif., assignor to Illinois-Pacific Glass Company, San Francisco, Calif., a Corporation of California. Filed Nov. 25, 1924. Serial No. 752,110. 7 Claims. (Cl. 49—89.)



1. In a process of annealing glass articles in a temperature-controlled lehr or muffle, the steps of subjecting the glass-ware to a plurality of annealing stages, first at a high temperature and thereafter at a lower temperature, all within the annealing range.

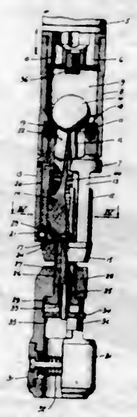
1,585,543. ROLLER GUIDE FOR SAW FRAMES FOR HORIZONTAL AND VERTICAL MULTIPLE-BLADE SAW FRAMES. LUDWIG HÖNOLD, Wiesbaden, Germany. Filed Apr. 28, 1924. Serial No. 709,592. 3 Claims. (Cl. 143—60.)

3. Roller guidings for saw frames for horizontal and vertical multiple blade saw frames comprising in combination with the machine frame and with the cross bars of the saw frame, two side bars one at each end of the cross bars for connecting the cross bars to form a guide frame, one of said guide bars being bevelled, and two pairs of guide rollers having bearings on the outer sides of the machine frame one pair at each



side of the guide frame and designed to guide said guide frame so that the guide faces are well protected from wood particles flying about, the pair of guide rollers for the side bar of prismatic cross section being grooved to guide said side bar.

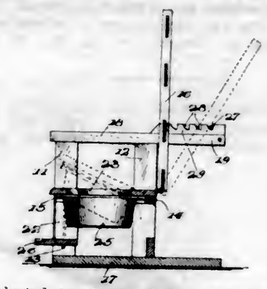
1,585,544. PUMP. WILLIAM E. HUBBARD, San Francisco, Calif. Filed Nov. 25, 1925. Serial No. 71,328. 5 Claims. (Cl. 103—227.)



1. In a pump, the combination of a cylinder, a check valve therein, a plunger in the cylinder above the check valve, a check valve carried by the plunger, and means whereby the fluid pressure above the plunger check valve operates to raise such valve on the downward movement of the plunger.

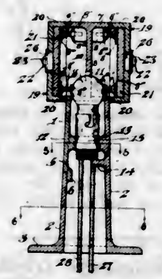
1,585,545. COMFORT CHAIR FOR CHILDREN AND INVALIDS. RICHARD INGHAM, Nashua, N. H. Filed Sept. 15, 1925. Serial No. 56,537. 2 Claims. (Cl. 155—31.)

1. A comfort chair having a main frame including side portions each provided with uprights having vertical series of apertures, a seat frame hingedly mounted in said main frame, including an apertured seat board and upright members adjacent to the said apertured uprights of the main frame and said upright members also having apertures, and adjusting pins extending



through selected apertures of the main frame uprights and through the apertures of said frame uprights to hold the seat frame in adjusted position.

1,585,546. ELECTRIC TURN SIGNAL FOR AUTOMOBILES. THOMAS A. JENKINS, Roselle, N. J. Filed May 13, 1925. Serial No. 30,118. 3 Claims. (Cl. 177—329.)



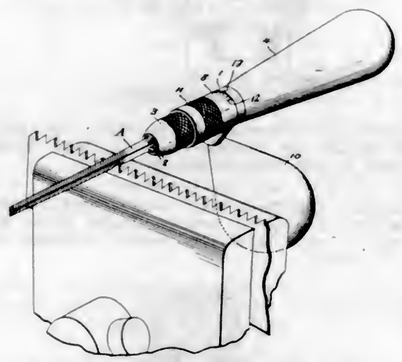
2. A vehicle signal of the character described, comprising a hollow standard, a signal housing carried thereon, having open sides, a lamp socket in said standard, a removable door in the side of said standard for access to said socket, removable indicia elements closing each side of said housing, and means on the standard and said door to serve when the door is closed, to secure said socket in proper position within the standard.

1,585,547. WREATH HOLDER. HUGH P. H. JONES, Oakland, Calif. Filed Nov. 10, 1923. Serial No. 673,935. 2 Claims. (Cl. 248—24.)

1. A hanger comprising an upper rigid section, a hook thereon for suspending the hanger, a second hook extending forwardly from the upper section, a lower

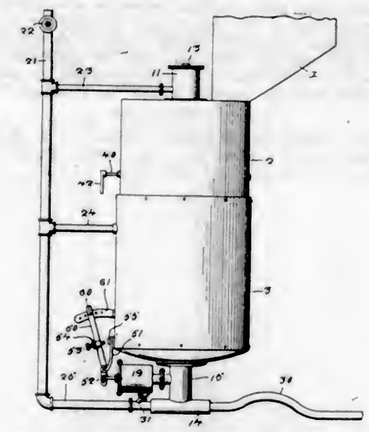
rigid section hinged to the upper section and provided with a perforation therein, an overlapping end formed on the upper section and adapted to engage the lower section when the two sections are in alinement, and a pivoted spacing bar attached to the back of the lower section.

1,585,548. SAW FILING AND GAUGING DEVICE. JOHN L. JONES, Savannah, Ga. Filed Dec. 12, 1924. Serial No. 755,565. 2 Claims. (Cl. 76—36.)



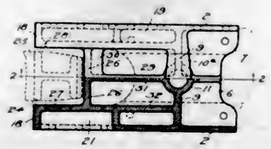
1. A filing device comprising a holder, a collar rotatably mounted on a part of the handle, a threaded socket on the collar, a weight having threaded engagement with the socket, a nut for holding the collar in adjusted position on the body, file holding means associated with the body and a handle rotatably connected with the body.

1,585,549. SAND-BLAST APPARATUS. WESLEY JORGENSEN, Cincinnati, Ohio. Filed Sept. 3, 1924. Serial No. 735,664. 1 Claim. (Cl. 51—12.)



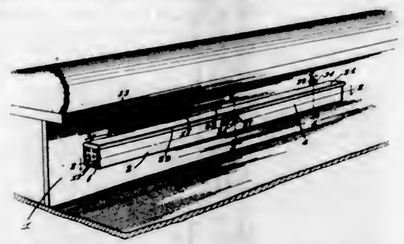
In sand blast apparatus, tanks arranged one above the other, a diaphragm between said tanks and having an aperture and also having a valve seat, a cylinder above the upper tank, a valve opposed to said valve seat, a piston in the cylinder and connected with said valve, means for supplying compressed air to said cylinder, means for supplying compressed air to the upper portion of the lower tank, a mixing chamber disposed below and connected with the lower tank, a valve for controlling communication between the lower tank and the mixing chamber, a cylinder, a piston in said cylinder and connected with the last-named valve, a means for opening the last-named valve, and means for supplying said cylinder with compressed air for the opening of the valve, in combination with a hand lever connected with the last-named piston, adjustable means on said lever for limiting the opening of the last-named valve, and manually operable means connected with the first-named valve.

1,585,550. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Dec. 15, 1921. Serial No. 522,576. 22 Claims. (Cl. 213—57.)



1. A body bolster center casting formed with spaced vertical side walls and a floor connecting the same near their lower edges, a vertically arranged web joining the side walls over the said floor portions of the casting, the side walls being extended toward the front of the casting to form continuous draft gear stops, the said extensions being of open box shape in cross section, the intermediate portions of each of said stops being connected by a longitudinally extending upright flange.

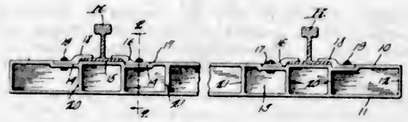
1,585,551. UMBRELLA CARRIER. CHARLES KATZ, Baltimore, Md. Filed Oct. 10, 1925. Serial No. 61,787. 2 Claims. (Cl. 224—29.)



2. An umbrella carrier comprising an open top oblong body portion consisting of a perforated bottom for the discharge of water therefrom, front and rear walls and a pair of fixed end walls, each of said end walls consisting of a perforated plate for the circulation of air through the receptacle when the latter is closed, each of said plates having the marginal portions of the sides and bottom thereof inturned, said bottom, front and rear walls having their ends provided with angularly disposed overlapping flanges interengaging with said inturned portions of said plates for fixedly securing these latter in a position to provide the end walls, and a closure for said open top hinged to the rear wall of said body portion.

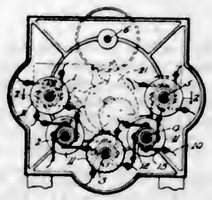
1,585,552. RAILWAY TIE. WILLIAM M. KEHR, Carthage, Mo. Filed Nov. 19, 1924. Serial No. 750,862. 1 Claim. (Cl. 238—65.)

A railway tie comprising a hollow rectangular member including top, bottom and end walls, a longitudinally disposed central web connecting the walls, spaced depressions provided in the upper face of the top wall, said depressions being arranged in pairs and defining rail plates having shoulders at their opposite edges and parallel shoulders spaced outwardly from the first mentioned shoulders, oppositely disposed ribs extending from the central web beneath each end of the rail plates and con-



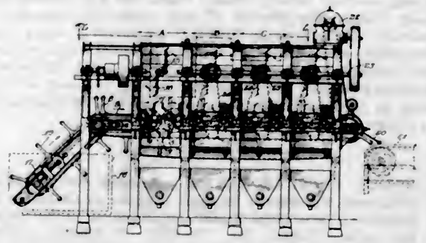
necting the top and bottom walls and transversely disposed intermediate ribs also extending from the central web and connecting the top and bottom walls and a plurality of depressions formed in the upper face of the rail plates as for the purpose specified.

1,585,553. CARCASS-DEHAIRING MACHINE. LOUIS A. KRAMER, Chicago, Ill. Filed June 1, 1925. Serial No. 34,272. 19 Claims. (Cl. 17—18.)



4. A machine for dehairing a hog fed lengthwise into the machine from one end thereof, comprising a plurality of rotatable members having parallel and substantially horizontal axes extending longitudinally of the machine with the said axes arranged in a trough shaped formation, certain of the said members having dehairing elements adapted to engage the hog and all being disposed for rotating the hog so that its lowermost portion moves towards the same side of the machine, the said rotatable members forming the entire support for the hog during its dehairing and the sole means for feeding the hog endwise and longitudinally of the said axes, the spread of the shafts being such as to permit the hog to be disposed oblique to the said axes so as to cause the dehairing elements to effect such feeding.

1,585,554. HOG-DEHAIRING MACHINE. LOUIS A. KRAMER, Chicago, Ill. Filed Sept. 24, 1925. Serial No. 58,245. 20 Claims. (Cl. 17—13.)

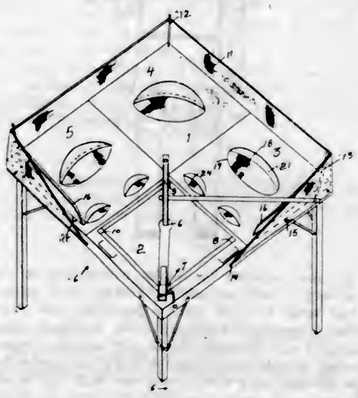


1. A hog dehairing machine comprising a plurality of rotatable members having parallel axes and spaced so as to continuously support a hog disposed lengthwise of the said axes, dehairing means carried by certain of the rotatable members, means for continuously rotating all of the said members, and means separate from the rotating members for pushing the hog transversely of the said axes through the machine.

1,585,555. METHOD OF MARKING GLASS. ABDUL AZIZ MANSURZADAH, Oakland, Calif. Filed July 23, 1925. Serial No. 45,701. 3 Claims. (Cl. 41—20.)

1. A method of marking glass and the like consisting of chemically modifying the hydroscopic properties of a portion of the surface thereof by applying thereto a chemical agent containing chromium in solution which reacts chemically with certain of the glass constituents to modify the hydroscopic properties of the treated surface, and thereafter exposing the agent to heat or light to complete the chemical reaction and the marking operation.

1,585,556. TOY BASEBALL GAME. JAMES H. MARKHAM and ARTHUR M. CRUGAR, Oakland, Calif. Filed June 15, 1925. Serial No. 37,030. 7 Claims. (Cl. 273—89.).



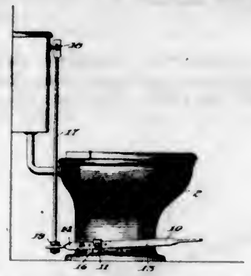
5. A pitching device for a baseball game, comprising a slat having a groove therein and recess at its upper end adapted to retain a ball, a dove-tailed cross groove in its lower face and a detachable handle secured in such dove-tailed groove.

6. In a baseball game, a home plate and catching device formed of an elongated box having an inclined end face, a back wall extending above and beyond the sides of the box adapted to catch a ball which may pass beside the box and means to retain the box on a table.

1,585,557. FOOT TOILET-FLUSHING CONTROL. ELLIS D. MILLER, Berkeley, Calif. Filed Feb. 21, 1924. Serial No. 694,331. 3 Claims. (Cl. 4—249.)

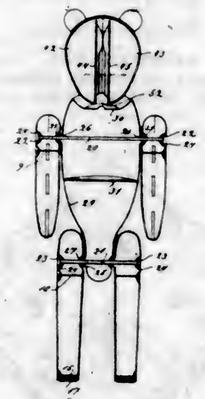
1. In combination with a toilet bowl having a flange at the bottom thereof perforated to allow bolts to extend

therethrough for anchoring the bowl to a supporting face, a toilet flushing control comprising an element adapted for fastening to one of said bolts, a foot lever pivotally



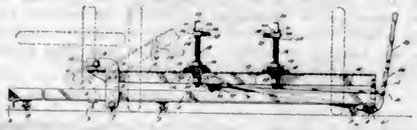
mounted in the said element to extend along the side of the bowl and a link leading directly from one end of the lever to a flushing tank.

1,585,558. TOY FIGURE COVERED WITH FABRIC. HEINRICH MÜLLER, Nuremberg, Germany. Filed Apr. 2, 1923. Serial No. 629,453. 19 Claims. (Cl. 46—40.)



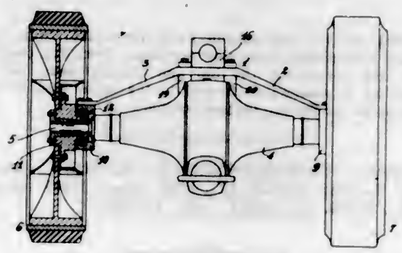
1. A fabric-covered toy figure comprising in combination a head, a body and members of the body open at one end and made each by hollow pressing from convenient material, inwardly projecting teeth stamped out of the material of each hollow pressed part near the edge of the open end of said parts, and a cover of fabric for each hollow pressed part folded over the edge of the open end of the part and stuck on said teeth which are folded over to securely hold said fabric cover in the stretched position.

1,585,559. AUTOMOBILE TILTING APPARATUS. FREDERICK D. PHILP, Royal Oak, Mich. Filed Jan. 11, 1926. Serial No. 80,454. 14 Claims. (Cl. 214—1.)



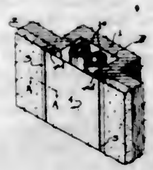
1. In an automobile tilting apparatus, a truck adapted to be shifted under the side of an automobile between the front and rear wheels thereof, chassis gripping means adjustably supported from the truck and adapted to be adjusted to raise the automobile and transfer its weight to the truck, and a tiltable frame supporting said chassis gripping means relative to said truck and adapted to be tilted to place the automobile at an angle to the horizontal.

1,585,560. TRACTOR HITCH. GEORGE E. RANDOLPH, Oakland, Calif., assignor to United Iron Works, Oakland, Calif., a Corporation of California. Filed Nov. 12, 1923. Serial No. 674,237. 6 Claims. (Cl. 280—33.1.)



1. In combination with a tractor having a rotating axle and wheels secured and rotated by said axle, a load carrying saddle, a rotatable device to support the ends of the saddle adjacent the outer ends of the said axle and means to secure a trailer to the said saddle.

1,585,561. FURRING FOR BUILDING STRUCTURES. EDWIN A. RUSSACK, Covington, Ky. Filed Feb. 9, 1925. Serial No. 8,003. 2 Claims. (Cl. 189—85.)



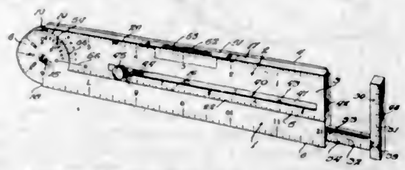
1. In a furring for inside wall, corner and ceiling parts of building-structures, the combination of a metallic orificed screed frame or edging, channeled inward-extensions provided along said edging and having further angular-extensions to form side-walls of a furring-chamber, an angular auxiliary-flange formed along each of said channeled inward-extensions, a removable cover-plate adapted to fit the orifice in the said screed frame and having resilient acutely-flanged edges that are adapted to freely engage the grooves of said channeled inward-extensions, and adjustable turn-buttons mounted along the cover-plate and adapted to engage the inner edges of the said angular auxiliary-flanges along the said channeled inward-extensions for detachably-locking the said cover-plate in place in the orifice of the furring, substantially as shown and described.

1,585,562. CLOSURE DEVICE. ANDERS JOHAN EMIL RYLANDER, Stockholm, Sweden, assignor to Lindstedt & Hammar, Aktiebolag, Stockholm, Sweden. Filed Aug. 20, 1924. Serial No. 733,213. 7 Claims. (Cl. 184—90.)

1. In combination with an article having an open portion, a closure cap for such open portion having a skirted flange thereon, the rearward portion of said skirted flange being cut away to reduce its depth adjacent the rearward portion of said cap, an arm secured to the under side of said cap having its rearward end arranged in proximity to the cut-away portion of said flange and

adapted to have fulcruming engagement with the adjacent intermediately arranged portion of the article, and spring means anchored within said article and connected to the cap.

1,585,563. COMBINATION MEASURING INSTRUMENT. FRANK SCHLATTAU, Los Angeles, Calif. Filed Dec. 31, 1924. Serial No. 759,112. 3 Claims. (Cl. 33—106.)

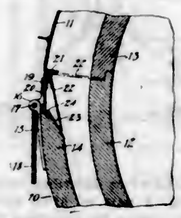


1. A measuring instrument comprising a pair of pivotally connected arms, a caliper gauge comprising a blade slidably adjustably mounted in one of said arms and a head supported by the outer end of the blade and confronting the free ends of the arms, the said head having a slot therein, and a depth gauge comprising a blade slidably carried by the other arm and adjustable to project through the slot and beyond the outer side of the said head.

1,585,564. SNAP-ON TELEPHONE MOUTHPIECE. SAUL SCHULHOFF and BENJAMIN F. HOFFMAN, Philadelphia, Pa. Filed Aug. 27, 1925. Serial No. 52,864. 6 Claims. (Cl. 179—187.)

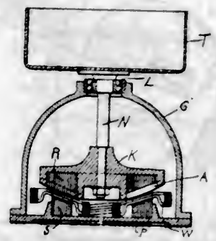
5. A telephone mouthpiece of flexible elastic material having an annular recess defined by an integral flange to detachably fasten to a telephone transmitter by virtue of its flexibility.

1,585,565. WASHING MACHINE. JOHN H. SIEMANN, Brooklyn, N. Y. Filed Oct. 8, 1925. Serial No. 61,309. 3 Claims. (Cl. 68—18.)



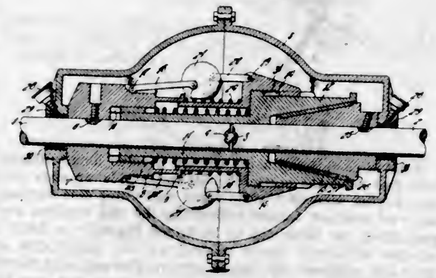
1. The combination in a washing machine, of an outer cylinder having a door, and an inner rotary washer cylinder; with a flat movable member extending longitudinally the entire length of said door, and means for moving said member to different positions in one of which it constitutes a chute for introducing a cleaning medium into said outer cylinder, and in another position of which said member is adapted to bridge the space between the outer and inner cylinders.

1,585,566. ALTERNATING-CURRENT CENTRIFUGE. OTTO SINDL, Mahrisch Chrostau, Czechoslovakia. Filed Sept. 2, 1924. Serial No. 735,445. 1 Claim. (Cl. 172—36.)



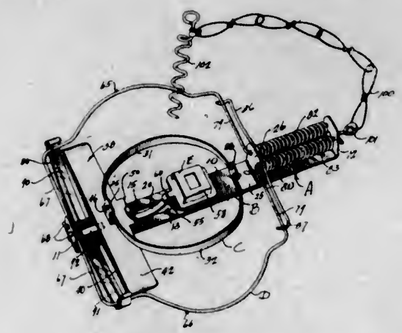
Mechanism for rotating a relatively-large body at high speed, involving a spindle to which such body is directly affixed, a supporting frame, a ball-bearing wherein the spindle is mounted located in said frame and providing a center of oscillation about which said spindle tilts consequent upon the centrifugal forces exerted on said body incidental to its rotation, and a motor for driving said spindle located at a point remote from said ball-bearing; said motor comprising a rotor fastened immediately to the spindle and a stator fastened immediately to the frame, the rotor and stator constituting companion parts, one of which has a convex face and the other a concave face to conformably receive said convex face, the center of curvature of both faces being the aforesaid center of oscillation of the spindle, whereby said faces are constantly maintained in spaced, parallel relation throughout their entire extent during the tilting movements of the spindle.

1,585,567. AUTOMOBILE SPEED GOVERNOR. JOHN C. SOMMER, Saginaw, Mich. Filed Dec. 15, 1924. Serial No. 756,097. 2 Claims. (Cl. 192—104.)



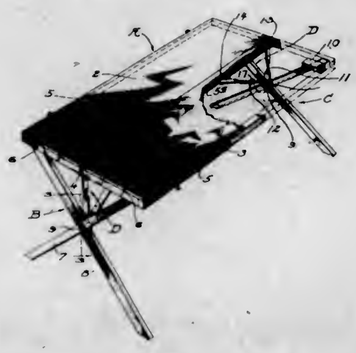
2. In an automobile speed governor, the combination of shaft sections in endwise alinement, a clutch member on one of said shaft sections, a clutch member connected with the other shaft section to turn with and move endwise relative to the same, a spring backing the last-named clutch member, a member splined to the last-named clutch member, a spring backing said splined member, and centrifugal means connected with said splined member and also connected with one of the shaft sections.

1,585,568. TRAP. HENRY SOULE, Dwight, N. Dak. Filed Dec. 30, 1924. Serial No. 758,883. 9 Claims. (Cl. 43—88.)



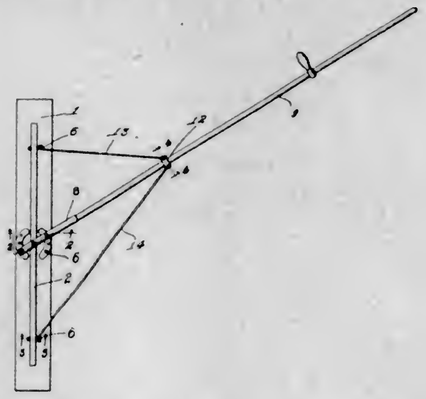
1. An animal trap comprising an elongated narrow frame, a plurality of jaws pivotally carried by said frame, a transverse main spring structure having an opening therethrough through which the said jaws extend so that said jaws will be supported in proximate clamping relation when the spring is extended, a movable bait receiving member carried by the frame, and a catch member movably carried by said spring for connection with said bait receiving member to hold the spring compressed and permit the opening of said jaws.

1,585,569. FOLDING TABLE. GEORGE R. STINE, Vicksburg, Mich. Filed July 2, 1924. Serial No. 723,698. 1 Claim. (Cl. 45—116.)



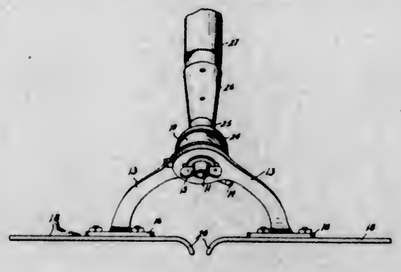
A table comprising a top section divided longitudinally into two separate sections, the under side of each section having secured thereto inner and outer side sections and end sections, hinges connecting the end sections and permitting the table top to be folded together to form a box-like structure, cleats secured to the under side of the table adjacent the outer corners thereof, said cleats and adjacent end sections forming pockets for the reception of table legs, a pair of pivotally connected table legs for each end of the table, the upper ends of which are adapted to be received by the pockets, a pair of iron braces pivotally secured to the inner side section of each table top, a threaded bolt forming the pivotal connection for each pair of legs, said bolt permitting the legs to be folded parallel and to be placed within the box-like structure formed by the table top sections when folded, a side brace iron adapted to be folded parallel with the under side of the table top sections and adapted to be contained within the box-like structure, said brace iron adapted to be extended when the legs are unfolded to support the table top, one brace of each pair assuming a vertical position when extended and one brace of each pair assuming an angular position when extended, and a wing nut on each bolt engagable with the brace iron and adapted to secure the respective brace irons to the table legs when these are placed in position under the table and extended.

1,585,570. STRIKE BOARD. THORSTEN SWANSON, Hoquiam, Wash. Filed Nov. 22, 1924. Serial No. 751,612. 1 Claim. (Cl. 94—45.)



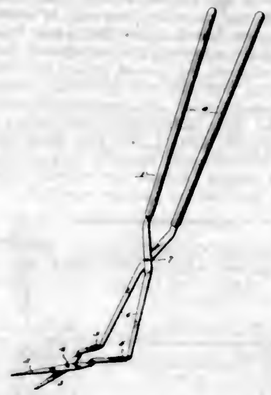
A strike board comprising a board proper, a longitudinal center rib fixed to the upper side of the board proper, arcuate members channel-shaped in cross section fixed to the board proper at opposite sides of said rib and each having a series of apertures in the upper most flange, a handle, a plate on the forward end of the handle and fixed with respect thereto, said plate being pivotally connected to the rib and adjustably bolted to the upper flanges of the arcuate numbers.

1,585,571. EXPANSION JOINT AND RIBBON EDGER. THORSTEN SWANSON, Hoquiam, Wash. Filed Feb. 25, 1925. Serial No. 11,595. 4 Claims. (Cl. 94—45.)



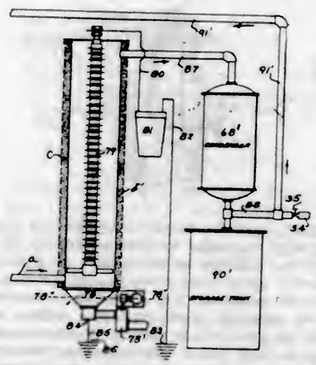
1. A tool of the character described, comprising a head having an extension, a pair of arms pivotally mounted upon said extension, means for clamping said arms in adjusted position, a handle member connected with the head, and plate members carried by said arms, the plate members having their adjacent edges spaced apart and down turned whereby to give the proper contour to the edges of an expansion joint.

1,585,572. LAWN TRIMMER. STEVE TAKACS, Newark, Ohio. Filed July 24, 1924. Serial No. 728,017. 1 Claim. (Cl. 30—11.)



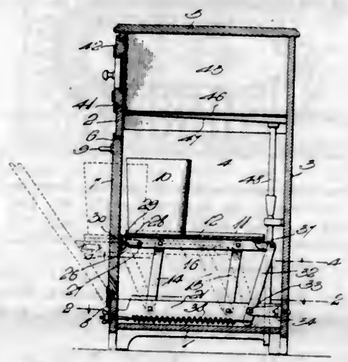
A lawn trimmer comprising a pair of crossed cutting blades pivotally connected at their points of intersection, said blades being arranged in a horizontal plane. The blades in advance of the pivotal connection being provided with shear edges, the rear or actuating extremities of said blades being disposed in a horizontal plane above that of the forward or shear edges thereof, a pair of elongated operating levers extending upwardly at an angle to the cutting blades, said levers being pivotally connected to each other at a point intermediate of their lengths and provided above said pivotal point with operating handles, the lower ends of said levers being terminated in forwardly bent horizontally disposed lugs, brackets provided upon the operating ends of said cutting blades, and pivotal connecting means uniting said lugs, brackets and the rear extremities of said blades.

1,585,573. METHOD OF ELECTROCHEMICAL TREATMENT OF UNSATURATED HYDROCARBON COMPOUNDS RESULTING FROM THE CRACKING OF OILS. DONALD L. THOMAS, New York, N. Y. Original application filed Apr. 24, 1919, Serial No. 292,425. Divided and this application filed Feb. 9, 1925. Serial No. 7,886. 8 Claims. (Cl. 196—81.)



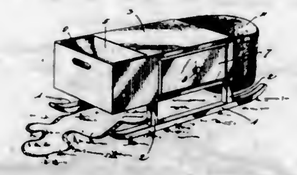
4. The electrochemical process of treating pre-cracked unsaturated hydrocarbon compounds resulting from heat cracking of oils, in order to polymerize the same, that step which consists in subjecting such compounds to the silent discharge of a high tension electric current, while under the simultaneous influence of high temperature and pressure in order to produce by combination of their molecules a final stable product of different gravity and boiling point from the compound originally treated, substantially as described.

1,585,574. SANITARY CABINET. JAMES HENRY THOMPSON and JOHN WILLIS CARTER, Fayetteville, Tenn. Filed June 2, 1925. Serial No. 34,447. 3 Claims. (Cl. 211—7.)



1. A cabinet comprising a case having an opening in a vertical wall thereof and a door hinged to the case and swingable to and from position to close said opening, a platform adapted to be received in said case, means within said case swingingly supporting said platform for movement from position within said case to extend in said opening of the case and so that said platform will be horizontal at all times, a link joint connecting said platform and said door, a lever pivotally attached at its upper end to said platform and fulcrumed to swing about an axis parallel to the axis of movement of said door, and spring means connecting the lower end of said lever with said case and actuating said lever to resist movement of said platform from position within said case to position in said opening when the door is moved to open position and tending to return said platform to position within the case when the door is swung from open to closed position, said spring means being adjustable.

1,585,575. GARDEN CARRYALL. CHRISTIANA M. VAN HUSAN, Detroit, Mich. Filed Apr. 4, 1925. Serial No. 20,634. 2 Claims. (Cl. 280—12.)

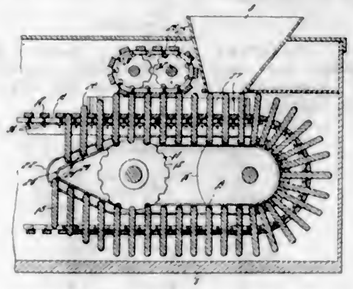


1. As a new article of manufacture, a gardener's carryall including a pair of skids, a seat structure supported above said skids, and an implement drawer beneath said seat structure, said drawer being slidable outwardly of both sides of the said structure.

1,585,576. BRICK-MOLDING MACHINE. JOHN R. VINSANT, Lakeland, Fla. Filed July 24, 1925. Serial No. 45,911. 5 Claims. (Cl. 25—99.)

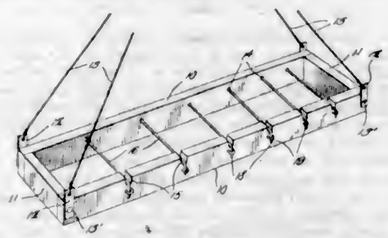
1. A mold forming machine of the character described comprising a base, spaced supports rising therefrom, an endless mold feeding chain mounted for travel between

said supports, bed plates carried thereby, a casing housing said spaced supports, a hopper extending through said casing for disposing brick material upon the bed plates, a plurality of mold forming plates associated with



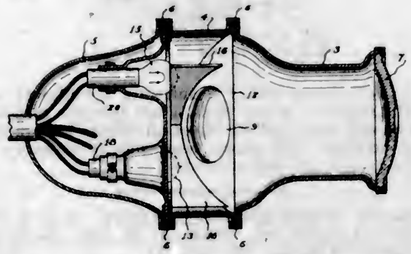
and adapted to move said mold feeding chain in its operation and means for compressing the side and top of said brick material when received on said bed plates and between the respective mold forming plates.

1,585,577. BAG RACK. JOEL H. WALLACE, Springfield, S. Dak. Filed July 11, 1925. Serial No. 42,999. 1 Claim. (Cl. 211—2.)



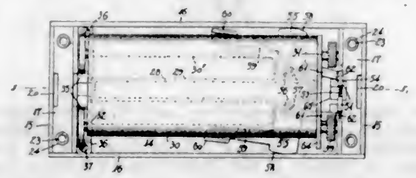
A rack of the character described comprising an elongated frame, the side bars forming the frame having a plurality of spaced parallel openings arranged within their sides and cutout portions upon their upper edges respectively, substantially offset pins having their inner end portions positioned within the openings and cutout portions, and staples arranged upon the outer side of one of the side rails below the cutout portions for receiving the downwardly extending offset end portions of the pins for holding the same against accidental displacement within the openings and cutout portions.

1,585,578. SIGNAL LIGHT. ALBERT RODGERS WARNER, Philadelphia, Pa. Filed Sept. 26, 1923. Serial No. 664,973. 3 Claims. (Cl. 177—329.)



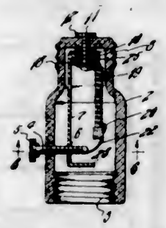
3. A signal of the character described comprising a housing including a forward section, a central section and a rear section detachably associated to provide the housing, a clear lens closing the front end of the forward section, spaced guides extending from the wall of the central section, lamp sockets in the rear section, a shell disposed in the central section and being formed substantially in the shape of a segment of a sphere with openings arranged in triangular formation therein, ribs extending from the rear of said shell between the openings and received between the spaced guides for holding said shell in position and also for providing compartments, lenses of different colors one arranged in each opening and a lamp for each compartment and having electrical connection with the sockets, and said lamps having portions in the compartments whereby rays of illumination therefrom are passed through the colored lenses to the clear lens as and for the purpose specified.

1,585,579. MULTICOLOR-PRINTING DEVICE. JOHN A. WHITTINGTON, Atlanta, Ga. Filed Mar. 18, 1925. Serial No. 16,412. 24 Claims. (Cl. 101—201.)



1. A device of the character described comprising a body, a type high impression member in said body, a top plate disposed over and mounted yieldingly on the body to be depressed by a platen and to force a soft inking roller away from said impression member, said plate having an opening to accommodate said impression member and through which the impression is made when said plate is depressed by the platen, an inked ribbon extending over said impression member below said plate, means for mounting said ribbon for movement within the body, and an operative connection between said plate and means for moving the ribbon step by step by the depression and upward movements of said plate.

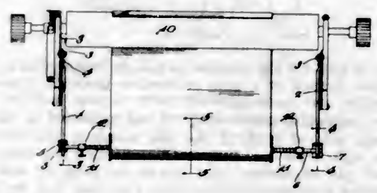
1,585,580. FLASH SOCKET FOR INCANDESCENT ELECTRIC LAMPS. ADOLPH K. WIHANTO, Jamaica Plain, Mass. Filed May 10, 1924. Serial No. 712,345. 1 Claim. (Cl. 200—115.5.)



A flasher socket for incandescent electric lamps comprising a body, threaded ferrules secured to the ends of said body and adapted to be received in a lamp socket and receive a lamp respectively, means passing through a portion of said body for electrically connecting said ferrules, a threaded screw depending within and from the upper portion of said body, a conductive supporting arm fixed to said screw and depending therefrom with an opening arranged therein adjacent its lower end, a thermostatic arm also secured to said screw and depending in parallelism with said conductive supporting arm, said thermostatic arm being insulated from the conductive supporting arm, asbestos covering said thermostatic arm for a distance of its length, a heater wire

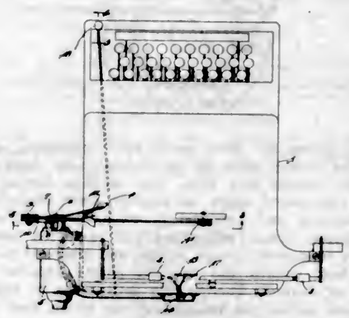
surrounding said thermostatic arm and fixed to said screw at one end, a clip fixed to the lower end of said thermostatic arm and receiving the opposite end of said wire, and a conductive screw passing through said body and opening of the conductive supporting arm respectively, and being adjustably associated with said clip for causing the flash of the lamps as described.

1,585,581. TYPEWRITER-PAPER SUPPORT. ALFRED J. WILLEY and FORREST H. VAUGHN, Hammond, Ind. Filed June 30, 1924. Serial No. 723,346. 1 Claim. (Cl. 197—133.)



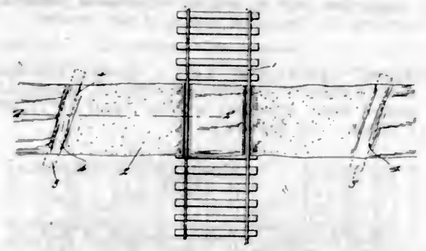
A typewriter paper support comprising arms pivotally connected to the typewriter, a rod pivotally connected at one end to one of the arms and detachably connected at the other end with the other arm, a paper roll slidably mounted on the rod, and spring devices engaging opposite ends of the roll.

1,585,582. TYPEWRITER ATTACHMENT. ALFRED J. WILLEY and FORREST H. VAUGHN, Hammond, Ind. Filed June 30, 1924. Serial No. 723,347. 1 Claim. (Cl. 197—66.)



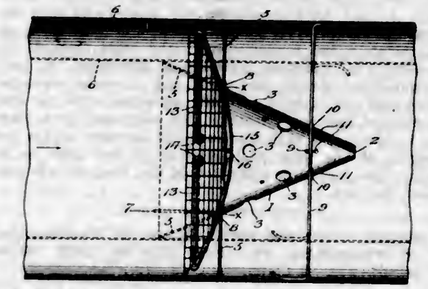
The combination with a typewriter including a carriage, stop members, and a spacer lever for the carriage, of an electrically driven element carried by the frame of the typewriter including an operating shaft and a drum on the operating shaft, a bracket on the carriage including a pulley, an arm on the driven element including a pulley, a connecting element operable on the carriage and operatively engaging the pulley of the bracket and the pulley of the arm and having one end connected for winding relation with the drum and an opposite end connected to the spacer lever, and means for controlling the circuit of the driven element, said means including a switch and a member pivotally mounted on the frame of the typewriter with portions thereof disposed in the path of the travel of the stop members for operating the switch.

1,585,583. CROSSING. GEORGE D. WORLEY, Texarkana, Ark. Filed Dec. 8, 1924. Serial No. 754,612. 1 Claim. (Cl. 238—3.)



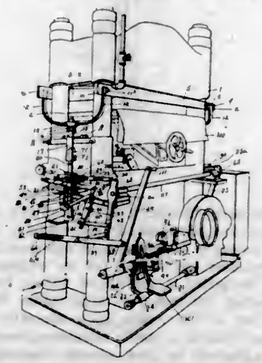
A warning means for roadways which traverse a railway, comprising angularly arranged pipe members which are partly embedded in the roadway at distances from the opposite sides of the railway, and said pipe members having a covering of the roadway surface.

1,585,584. FUEL ECONOMIZER. GEORGE L. ZUCKER, East Orange, N. J. Filed Mar. 28, 1925. Serial No. 19,185. 4 Claims. (Cl. 183—72.)



1. In a device of the character described, the combination of a cone having vents therein, and means for adjusting it to the size of a pipe or chimney, and a reticulated screen removably attached at the enlarged end of the cone.

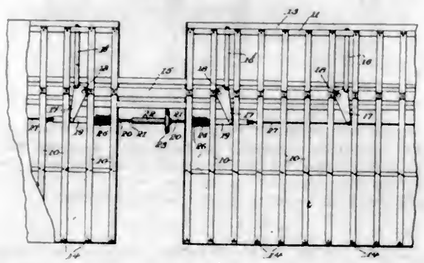
1,585,585. GUARD FOR LEATHER-PRESSING MACHINES. JOHN W. HERKEL, Middleville, and JAMES D. MCCOY, Little Falls, N. Y. Filed Dec. 1, 1922. Serial No. 604,223. 10 Claims. (Cl. 192—134.)



1. In a guard for leather pressing machines having pressing surfaces, and power controlling means, a member for enclosing the pressing surfaces, vertically mov-

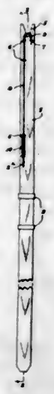
able rods attached to said member, means for permitting said member to fall and means for raising said member, whereby to move said member from operative to inoperative position, and air compressing means for controlling the descending motion of said member.

1,585,586. AEROPLANE. LEON A. HEWITT, Livermore, Iowa, assignor of one-half to Franklin E. Collins, Livermore, Iowa. Filed May 9, 1924. Serial No. 712,089. 2 Claims. (Cl. 244—12.)



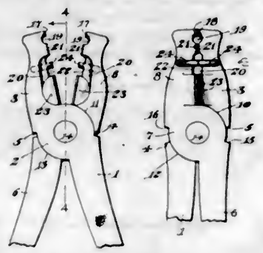
1. In an aeroplane, a wing including upper and lower sections, each section comprising spaced flexible members, a cross piece connecting the members of each section, with said cross pieces arranged in contacting engagement, a rod connected with the cross piece of one section and mounted for sliding movement, a lever mounted for pivotal movement and pivotally connected with said rod, a lever pivotally connected with the first mentioned lever and arranged for movement in a plane at a right angle with said rod, and operable to flex one section of the wing with relation to the other to increase the curvature and pitch of the wing for the purpose specified.

1,585,587. CLOTHES PROP. HARRY W. KNEEMOELLER, Jr., Philadelphia, Pa. Filed July 29, 1922. Serial No. 578,372. 1 Claim. (Cl. 68—12.)



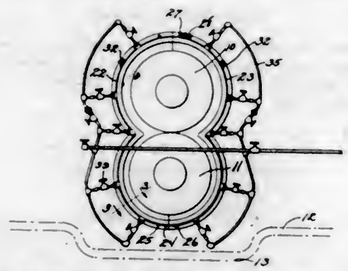
A clothes prop having a line receiving notch in its upper end, a rod mounted for longitudinal sliding movement upon one face of the prop, a substantially U-shaped hook at the outer end of the rod for engagement over a line when the latter is positioned within the notch, the hook extending inwardly an appreciable distance from the inner end of the notch upon opposite sides of the center of said notch, a staple extending from the face of the prop adjacent to and spaced inwardly from the notch to receive the free end of the hook and hold the latter in position and spring means to resist sliding movement of the rod.

1,585,588. COTTER-PIN PULLER. GEORGE F. KRIEGER, Wisconsin Rapids, Wis. Filed Apr. 18, 1925. Serial No. 24,244. 8 Claims. (Cl. 29—86.1.)



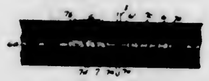
1. A tool for the purpose set forth comprising a body portion formed of a pair of handles pivotally connected together and each provided with a jaw member, and means extending transversely of and connected at one end to one side of each of the jaw members and coacting with each other for detachably connecting the head of a cotter pin therewith, said means on each of said jaw members positioned intermediate the ends and having a portion of the length thereof opposing and spaced from that side of the jaw member to which the end of said means is connected.

1,585,589. ROLL HEATER. JESSE C. LEAR, Vandergrift, Pa. Filed Mar. 9, 1925. Serial No. 14,297. 5 Claims. (Cl. 80—41.)



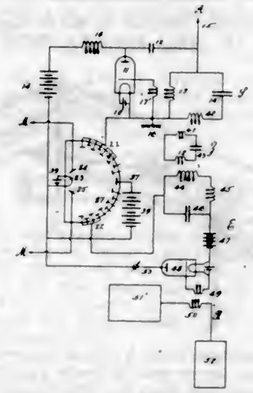
5. A heater for sheet metal rolls comprising a heat retaining casing made up in sections, and designed to unitedly enclose said rolls, said sections having their lower end spaced apart, an angular plate supported by said sections and arranged to close the lower end of said casing, means supporting said casing, a series of burners supported by each section and arranged to direct their heat toward the rolls at points adjacent their points of contact, whereby the entire area of each roll is heated during the rotation of the latter, fuel supply pipes supported by the casing and communicating with said burners and valves controlling said communication.

1,585,590. TIRE COUPLING. LOUIS LISSON, Syracuse, N. Y. Filed Oct. 16, 1925. Serial No. 62,838. 3 Claims. (Cl. 152—6.)



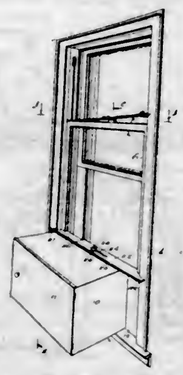
2. A coupling for split cushion tires including a substantially cylindrical body having ends connected by a central flexible portion of such degree of flexibility as to enable the coupling to conform to the curvature of the tire, and projections on the ends of the body formed to engage within the tire.

1,585,591. MEANS FOR ELECTRIC PROOF AND MEASURING OF THE DISTANCE OF ELECTRICALLY-CONDUCTIVE BODIES. HEINRICH LÖWY, Vienna, Austria. Filed July 17, 1923. Serial No. 652,200. 7 Claims. (Cl. 175—182.)



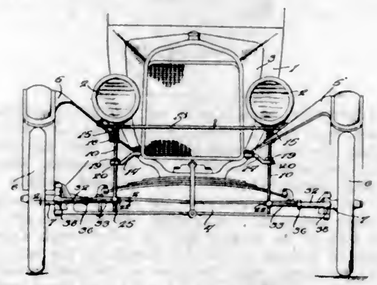
1. In an apparatus for determining the distance between a source of electric waves and an electrically conductive surface capable of reflecting the said waves, the combination of the said source of electric waves with means for intermittently throwing said source into and out of operation, such means comprising a modulation transmitter cooperating with the wave emitting source for intermittently throwing the latter source into and out of operation, the duration of the emissions being substantially equal to the time intervals between successive emissions and the frequency of the modulator oscillation being equal to the frequency of said emissions of wave groups, a quantitative receiver located in close proximity to the said source and adapted to receive the waves reflected from the conductive surface, means for throwing out of and into action the said receiver substantially at the instant when the wave emission from the said source commences and ceases respectively and means for adjusting the frequency of the modulation transmitter.

1,585,592. WINDOW BOX. MARY J. MCARTHUR, Cleveland, Ohio. Filed Sept. 6, 1923. Serial No. 661,252. 4 Claims. (Cl. 45—104.)



2. The combination with a window box, of a fixed plate at one end on top of the box and adapted to contact with the window pane and the adjacent jamb, a slide movable longitudinally on said fixed plate and adapted to engage the pane and be projected beyond the opposite end of the box, and means connecting said fixed plate and slide with the box top to permit a transverse movement of said fixed plate and slide.

1,585,593. DIRIGIBLE HEADLIGHT. PERCIVAL V. MCLAUGHLIN and AURELIUS R. STILLWELL, Sylva, N. C. Filed May 19, 1925. Serial No. 31,408. 4 Claims. (Cl. 240—62.)

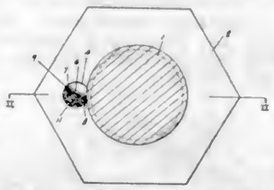


3. In combination with a vehicle including a mud guard formed with an opening, and a pivotally mounted wheel carrying spindle, an upper guide having a portion extending above the perforated portion of said mud guard in spaced relation thereto and formed with an opening alined with the opening of the mud guard, a lower guide extending beneath the mud guard and formed with an opening, a lamp, a depending pivot post for said lamp extending through the openings of the mud guard and guides to mount the lamp for turning, upper and lower collars carried by said post and resting one upon said lower guide and the other upon said mud guard, a spring between said upper guide and last-mentioned collar to yieldably resist upward movement of said post and lamp, an arm extending from the lower end portion of said post, a rod secured to said spindle for swinging therewith, and a link extending between said arm and rod and connected therewith for universal movement.

1,585,594. CLARINET. JAMES DEAN MACKEY, Parkersburg, W. Va. Filed July 21, 1922. Serial No. 576,583. 7 Claims. (Cl. 84—382.)

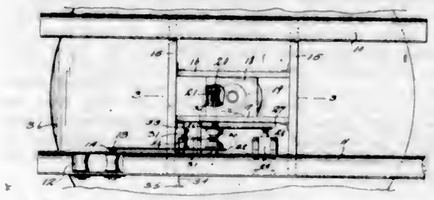
5. A musical instrument of the character stated, comprising upper and lower sections, a set of trilling valves on the upper section, valves controlling the notes of the lower section, and means for simultaneously operating the trilling valves with the last-named valves.

1,585,595. NUT LOCK. ALEXIS MARCHAND, Seattle, Wash., assignor to Paul D. Range, trustee for Securities Sales Syndicate. Filed Sept. 30, 1925 Serial No. 59,617. 5 Claims. (Cl. 151—25.)



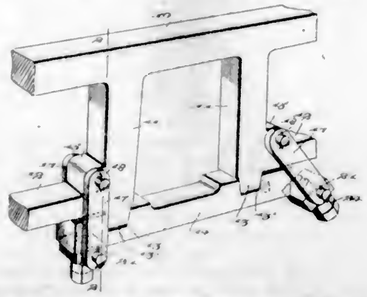
1. A nut lock, comprising a nut having an internally threaded bore and a socket, intercepting said bore as described, the longitudinal axes of the bore and socket being substantially parallel, in combination with a yieldingly spring-actuated pawl disposed within the socket and having edges upon its opposite sides, one of said edges engaging a knife-edge base-support provided in the wall of the socket, and the other being, through openings in threads of the nut formed by the intercepting of the socket with the bore of the nut, presented for engagement with the threads of a bolt when screwed into the bore of the nut.

1,585,596. COMBINED ELEVATOR AND TURNTABLE FOR VEHICLES. ALBERT C. MENGES, Memphis, Tenn., assignor of forty-nine per cent to C. C. Medley, Memphis, Tenn. Filed Sept. 30, 1925. Serial No. 59,691. 7 Claims. (Cl. 254—89.)



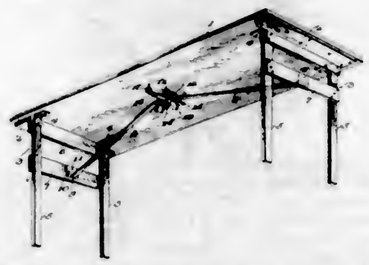
1. In a device of the type described, a structure having means for deriving power from the drive wheels of a vehicle, a prime mover carried by the structure, a jack for elevating the structure, means for connecting the jack to either the power deriving means or the prime mover to be operated thereby and means automatically operating to disconnect a connected drive when the structure reaches a predetermined elevation.

1,585,597. LOCOMOTIVE-FRAME BINDER SUPPORT. HARRY A. MILLER, Clovis, N. Mex. Filed Sept. 1, 1925. Serial No. 53,897. 2 Claims. (Cl. 105—172.)



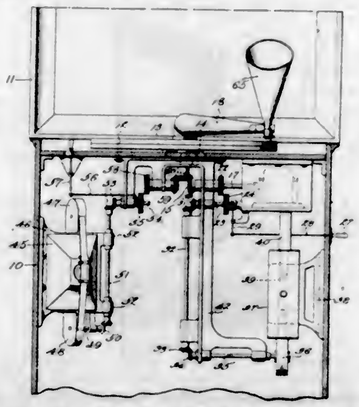
1. A pair of depending frame clamping jaws, a keeper or binder between the free ends of said jaws, a pair of hanger bars pivotally depending from each jaw, a cross head pivoted for transverse rocking movement between the free ends of each pair of hanger bars, and a set screw carried by each cross head adapted to be employed for forcing the keeper or binder toward said jaws.

1,585,598. TABLE. CHARLES N. MINER, Concord, Mass. Filed Sept. 11, 1925. Serial No. 55,796. 1 Claim. (Cl. 45—11.)



A table comprising a top, a pair of supporting members hinged to the top, a pair of brace bars for the supporting members each brace bar being hinged at its outer end to the associated supporting members and the brace bars having the inner end portions thereof bent laterally to overlap at the center of the table top, said lapped portions of the brace bars having alined openings, a pendant stud fixed to the table top at the center of the latter, said stud being adapted to extend through the openings in the lapped end portions of the brace bars, a bar swingingly suspended at one end from the table top between said stud and a side edge of the table top and having an opening intermediate its length for the reception of the pendant end portion of the stud, and a nut in threaded engagement with the stud for preventing displacement of the bar from the stud, said bar being of sufficient length to clamp said brace bars against the under side of the table top when the brace bars have been disengaged from the stud and the supporting members and the brace bars have been folded to positions to lie close to the under side of the table top.

1,585,599. MOVING-PICTURE AND SOUND-REPRODUCING MACHINE. JAMES MONTICELLI, Kenosha, Wis. Filed Apr. 1, 1922. Serial No. 548,648. 1 Claim. (Cl. 88—16.2.)



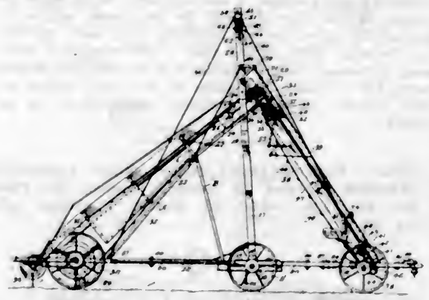
The combination with a camera and projecting machine, of shafts for driving the operative elements of said camera and projecting machine, a driving shaft, a turn

table and gearing between the table and driving shaft, intermediate shafts geared respectively to the shafts first named, means including a clutch and gearing for placing one of the intermediate shafts in operative relation to the driving shaft, and means including a clutch and gearing for placing the other intermediate shaft in operative relation to the gearing between the table and driving shaft.

1,585,600. TUBE. JOHN H. PROCTOR, Andover, Mass., assignor to The Plywood Tube, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 10, 1921. Serial No. 491,284. 9 Claims. (Cl. 242—68.)

1. A tube for winding textile materials, formed of compressed rotary cut veneer with the average direction of its grain parallel to and its concave side nearer the axis of the tube wound convolutely upon itself, with layers of waterpooof glue formed of casein or blood albumen for holding such layers together and making them waterproof.

1,585,601. HAY-LOADER ATTACHMENT. WILLIAM RABE and GEORGE A. MONTROSE, Gardnerville, Nev. Filed July 22, 1924. Serial No. 727,471. 1 Claim. (Cl. 198—99.)



In an apparatus of the class described, a truck, standards rising from said truck, a supporting frame connected with the truck and extended between the standards, a conveyor belt mounted in said frame, a support, means for swingingly connecting said support to said standards, an endless carrier mounted in said support, alined chain wheels associated respectively with said conveyor belt and carrier, an endless chain engaging over said chain wheels, a lever arm swinging upon said support and carrying a bearing pulley, and a spring engaging said lever arm and operating to maintain said pulley constantly in engagement with said chain.

1,585,602. OXYGEN COMPOUND OF TERPENE AND PROCESS OF MAKING SAME. ALEXANDER S. RAMAGE, Detroit, Mich., assignor to The Ozonid Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 6, 1923. Serial No. 630,398. 5 Claims. (Cl. 260—16.)

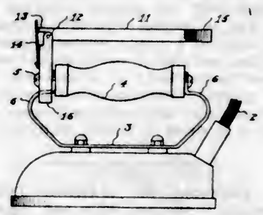
2. The hereindescribed process of making an oxygen compound of terpene containing more than two atoms of oxygen, comprising subjecting an unstable oxygen compound of terpene containing not more than two atoms of oxygen in vapor phase to repeated contacts with ozone.

5. The hereindescribed oxygen compound of terpene corresponding approximately to the formula $C_{10}H_{16}O$ and undergoing slow decomposition in presence of moisture with liberation of oxygen.

1,585,603. DRAFT MECHANISM. HARRY A. REELEY, Marion, Ohio. Filed July 2, 1925. Serial No. 41,144. 3 Claims. (Cl. 278—6.)

1. In a draft mechanism, a body portion U-shaped in cross section and open at each end and formed of two lengthwise aligning sections detachably connected together, a pair of extensions of U-shaped cross section and open at the front and ends thereof, each of said extensions having its inner end terminal portion projecting into an end of the body portion and secured thereto, a set of sheaves journalled within each of said extensions, a plurality of sets of sheaves journalled in said body portion, and an independent cable travelling over each set of sheaves and having the end terminal portions thereof projecting forwardly with respect to said body portion and extensions and provided with attaching hooks.

1,585,604. CORD HOLDER FOR SADIRONS. CHRISTIAN S. RUFF, Camden, N. J. Filed Mar. 28, 1924. Serial No. 702,632. 1 Claim. (Cl. 248—30.5.)

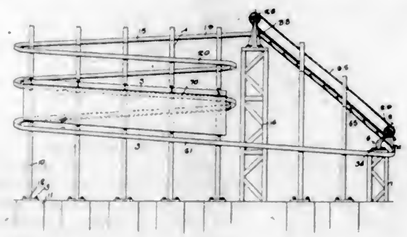


A holder for the flexible member for supplying the heating medium to an iron comprising an attaching portion, ears formed at the lower end of the attaching portion and bent laterally to prevent lateral pivotal movement of the attaching portion, a flexible member holding portion hingedly connected to said attaching portion, an upwardly opening loop on the free end of said holding portion and adapted to slidably support said flexible member, and a flat spring carried by the attaching portion and engaging the holding portion.

1,585,605. AMUSEMENT DEVICE. ALBERT RUSSO, Pittston, Pa. Filed July 1, 1925. Serial No. 40,968. 5 Claims. (Cl. 104—63.)

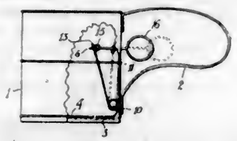
1. An amusement device comprising a single row of spaced uprights, a plurality of supporting arms extending outwardly, an endless track secured to said arms extending spirally about certain of said uprights, the track

including an inclined way connecting the upper and lowermost ends of the track together, carriages adapted to travel on the track including hangers for supporting the carriages, rollers rotatably carried by the hangers engaging the track, and means for moving the carriages up the inclined way including a pair of spaced sprocket



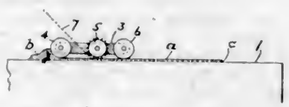
chains arranged on each side of the inclined way, upper and lower pairs of sprocket wheels supporting the sprocket chains, means for driving certain sprocket wheels, transversely extending rods connecting the chains together extending across the inclined ways, and means formed on the hanger adapted to engage by said rods.

1,585,606. FLOUR SIFTER. FRANCIS M. BUNDREN, El Paso, Tex., assignor of one-fourth to H. H. Bailey and one-fourth to P. H. Bailey. Filed Apr. 30, 1925. Serial No. 26,861. 1 Claim. (Cl. 209—357.)



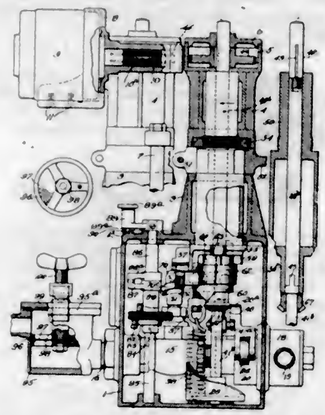
A device of the character described comprising in combination a body portion having a handle, a foraminous bottom in said body, an agitator arranged to oscillate horizontally and in contact with said bottom, means to actuate said agitator, a spring member pivoted at a point near the bottom and side of said body and extending upwardly toward the vertical axis thereof, said spring member being in operative attachment to the actuating means whereby movement of said spring will cause agitation of the material to be sifted at a point centrally of the body.

1,585,607. PROCESS OF MAKING CORRUGATED WIRE GLASS. WALTER COX and ARNO SHUMAN, Philadelphia, Pa., assignors to Pennsylvania Wire Glass Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Aug. 7, 1920. Serial No. 401,925. 1 Claim. (Cl. 49—86.)



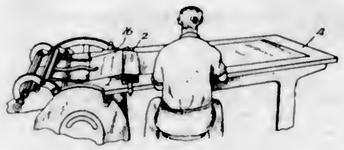
The process of making corrugated wire glass which consists in rolling a flat sheet of glass with flat wire mesh embedded therein, and while the interior portion of said sheet is sufficiently plastic by heat to permit the twists of the mesh to stretch and while the exterior of the sheet is sufficiently solid by cooling upon bending to retain its form, corrugating said sheet and mesh at one operation.

1,585,608. SUGAR-SPRAYING DEVICE. EUGENE ROBERTS, Salt Lake City, Utah, assignor to The Western States Machine Company, a Corporation of Utah. Filed Mar. 4, 1922. Serial No. 541,052. 15 Claims. (Cl. 210—67.)



13. In an automatic sprayer, the combination with an oscillatory spray nozzle, a spring-closed cut-off valve for cutting off the flow of liquid to the nozzle, means for opening the valve and for retaining it in open position, an automatic timer acting after a predetermined movement, to release the valve to allow it to close, the manual means for releasing the valve at any time before the timer reaches releasing position, substantially as described.

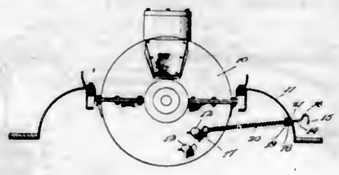
1,585,609. FEED-BOARD HUMP FOR PRINTING PRESSES. JOSEPH B. ROCHE, Chicago, Ill. Filed Feb. 15, 1926. Serial No. 88,439. 7 Claims. (Cl. 271—61.)



1. For use with the feed-board of a flat bed printing press, a wrinkle remover seated upon and extending transversely of the feed-board near the delivery end of the said board and having its upper face sloping upward from the top of the said board toward the said delivery end, and two clamping means respectively associated with opposite ends of the wrinkle remover for detachably clamping the latter to the feed-board, at least one of the clamping means being slidable on the wrinkle remover transversely of the feed-board.

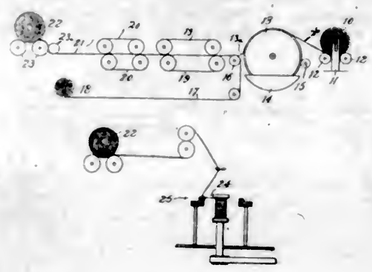
1,585,610. PET-COCK-OPERATING DEVICE. JOHN W. GAULT, Cynthiana, Ky. Filed May 23, 1924. Serial No. 715,382. 1 Claim. (Cl. 137—139.)

In a motor vehicle, the combination with a flywheel case, a plurality of pet cocks applied to the flywheel case, and a running board shield having a single opening, of means for selectively operating the pet cocks, consisting of a rod mounted in the opening of the shield and having a socket at its inner end, and having its outer end bent laterally to engage the shield and rebent to provide a cross handle, a spring mounted upon the rod and confined between the socket at the inner end thereof and the said shield, a metal washer on the



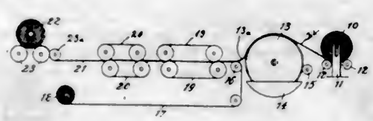
rod to sustain the thrust at the outer end of the spring, and a fibrous washer between the shield and the metal washer to deaden noise.

1,585,611. PROCESS OF MANUFACTURING YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 19, 1926. Serial No. 82,240. 57 Claims. (Cl. 117—60.)



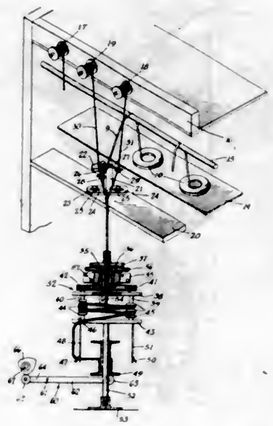
1. A method of making asbestos yarn including forming a thin strip of fibrous asbestos material the fibres of which are held together by binding material which permits the strip to be worked, applying the strip to a filament for support thereby in subsequent steps of the operation, and twisting the filament and the strip supported thereby.

1,585,612. YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 19, 1926. Serial No. 82,250. 40 Claims. (Cl. 117—60.)



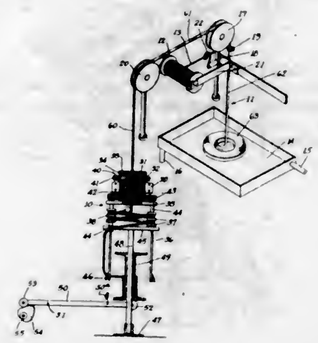
1. An asbestos yarn including a paper-like strip or band of fibrous asbestos material of which the fibres are matted together and are held by binding material, arranged in intertwisted relation with a reinforcing core and in a substantially solid mass while retaining the strip or band formation.

1,585,613. YARN AND MECHANISM FOR AND PROCESS OF MAKING THE SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 10, 1924, Serial No. 685,300. Renewed Jan. 25, 1926. 83 Claims. (Cl. 117—3.)



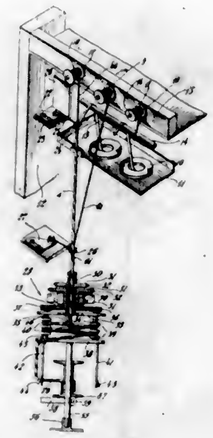
1. A process of making yarn from paper strip held together by binding material, which includes softening the binding material of the strip, twisting the strip with a filament to form a strand, and introducing, at an intermediate stage of the twisting, a reinforcing element to be twisted with the strand.

1,585,614. YARN AND APPARATUS AND PROCESS FOR MAKING YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 4, 1924, Serial No. 684,325. Renewed Jan. 28, 1926. 58 Claims. (Cl. 117—3.)



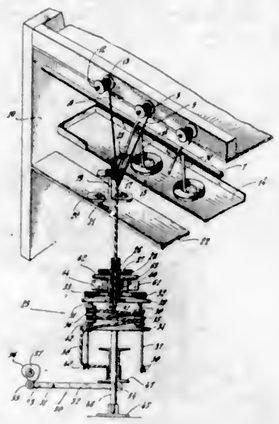
1. A process of making yarn from paper strip which comprises twisting the strip around a reinforcing core, condensing the strip on the core to form a strand, and finally twisting the strand with a reinforcing element.

1,585,615. PROCESS AND APPARATUS FOR MAKING YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 19, 1924, Serial No. 687,218. Renewed Jan. 28, 1926. 63 Claims. (Cl. 117—3.)



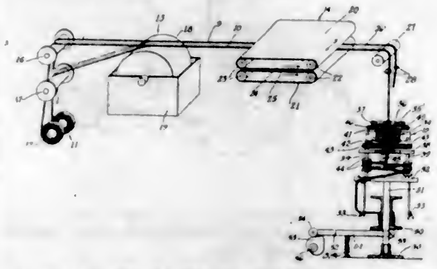
1. A process for making yarn out of paper strip having a binder therein, which includes softening the binder of the strip, loosely twisting the strip with a filament to form a strand, twisting the strand with a second filament, and finally closely twisting the yarn.

1,585,616. YARN AND PROCESS OF MAKING SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 23, 1924, Serial No. 687,938. Renewed Jan. 25, 1926. 23 Claims. (Cl. 117—60.)



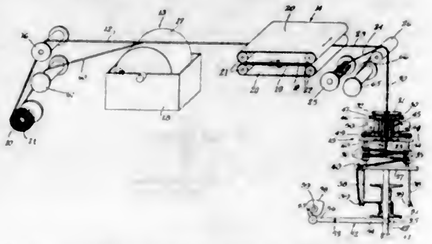
1. A process for making yarn from asbestos paper strip containing a workable binder, which comprises bringing together simultaneously or substantially simultaneously a paper strip and a plurality of reinforcing elements, and twisting said strip with said reinforcing elements.

1,585,617. CORELESS YARN AND PROCESS FOR MAKING THE SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 4, 1924, Serial No. 684,324. Renewed Jan. 28, 1926. 53 Claims. (Cl. 117—60.)



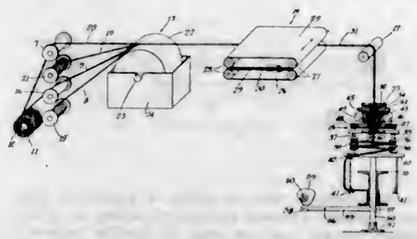
1. The process of making coreless yarn which includes forming a paper-like strip of asbestos material in which the fibres are held together by suitable workable binding material, and forming said strip into a twisted yarn.

1,585,618. YARN AND PROCESS FOR MAKING THE SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 9, 1924, Serial No. 685,091. Renewed Jan. 28, 1926. 65 Claims. (Cl. 117—3.)



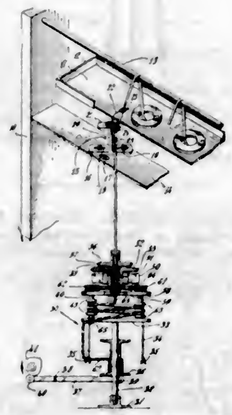
1. A process for making yarn of paper strip which consists in loosening the binder therein subjecting the strip to the action of forwardly progressing and transversely reciprocating surfaces to form a strand, uniting the strand with a filament, and finally twisting the strand with the filament to form a yarn.

1,585,619. YARN AND PROCESS FOR MAKING THE SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Jan. 9, 1924, Serial No. 685,092. Renewed Jan. 25, 1926. 41 Claims. (Cl. 117—60.)



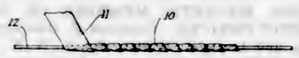
1. A process of making yarn out of paper like strip which comprises loosening the binder in a plurality of paper strips, rubbing said loosened strips on a plurality of filaments separated from each other by material of said strips, and twisting the resulting strand to form a compact yarn.

1,585,620. YARN AND PROCESS OF MAKING SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Apr. 29, 1924, Serial No. 709,723. Renewed Jan. 28, 1926. 34 Claims. (Cl. 117—60.)



1. The process of making coreless yarn which includes forming one or more flat paper-like strips of asbestos material in which the fibres are held together by suitable workable binding material, and twisting said strip or strips from flat form directly into a single element yarn.

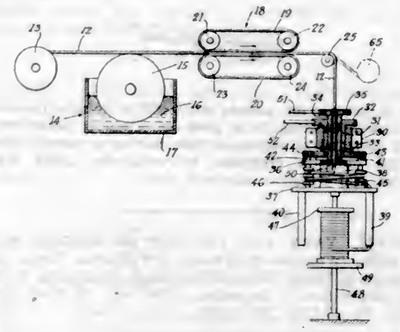
1,585,621. REENFORCED YARN. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed July 30, 1923. Serial No. 654,511. 5 Claims. (Cl. 117—60.)



1. An asbestos yarn comprising intertwisted strands, at least one of which consists of a filament and wrapped thereabout in flat form a strip or band of asbestos material bound into paper of sufficient cohesiveness and tenacity to undergo strand and yarn forming operations.

1,585,622. YARN AND PROCESS OF MAKING SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed July 27, 1923, Serial No. 654,118. Renewed Jan. 28, 1926. 72 Claims. (Cl. 117—60.)

1. A method of making asbestos yarn for the manufacture of fabrics and other purposes, which comprises the steps of binding and forming asbestos material into a thin uniform paper-like strip or band of sufficient cohesiveness and tenacity to undergo subsequent strand



forming operations, wrapping said strip or band while substantially dry around a core, and of further uniting said strip or band and said core to form a strand.

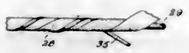
1,585,623. FRICTION FABRIC AND PROCESS FOR MAKING SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed Dec. 12, 1923. Serial No. 680,186. 46 Claims. (Cl. 139—420.)

1. An asbestos friction fabric or the like, containing a plurality of interengaged and deformed paper-like strips of asbestos material bound with sufficient cohesiveness and tenacity to undergo fabrication, said strips being present in the fabric in paper-like formation.

1,585,624. FRICTION FABRIC AND YARN FOR MAKING THE SAME. JOHN ALLEN HEANY, New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J., a Corporation of Delaware. Filed May 13, 1924, Serial No. 712,970. Renewed Feb. 6, 1926. 32 Claims. (Cl. 139—420.)

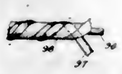
1. A woven friction fabric, certain of the yarns of which consist of cores, a unitary strand of asbestos twisted around each of said cores, and a binding filament wound around each of the composite strands.

1,585,625. FRICTION YARN AND PROCESS AND APPARATUS FOR MAKING SAME. WILLIAM NANFELDT, New Haven, Conn., assignor to World Bestos Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 6, 1925. Serial No. 21,087. 13 Claims. (Cl. 117—60.)



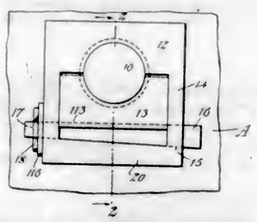
1. A process for making yarn which includes the step of loosely twisting in a given direction a paper strip with a strand of vegetable fibre having a normal twist in the opposite direction, to wrap the paper strip around said strand of vegetable fibre.

1,585,626. YARN AND PROCESS OF MAKING THE SAME. WILLIAM NANFELDT, New Haven, Conn., assignor to World Bestos Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 17, 1925. Serial No. 23,777. 14 Claims. (Cl. 117—60.)



1. A process for making yarn which includes twisting in a certain direction a paper strip with a core element having a normal twist in the opposite direction to form a strand; and subsequently twisting said strand with a strand of jute fibres.

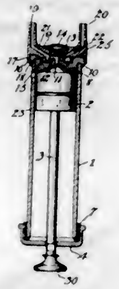
1,585,627. LOCK NUT. DANIEL O'BRIEN, Palestine, Tex. Filed July 6, 1925. Serial No. 41,740. 2 Claims. (Cl. 85—33.)



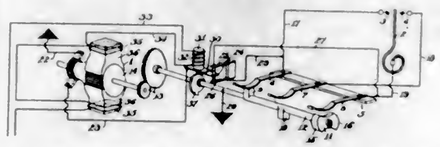
1. A lock nut formed in two sections to constitute it a split nut, one of the sections having arms between which the other section of a nut is received, a cross bar integral with the arms and uniting the same at the free ends thereof, said arms having holes therein between the second nut section and the said cross bar, and a wedge key receivable in said holes, and adapted to bind the nut sections firmly on a bolt.

1,585,628. SYRINGE OR PUMP. JULIUS A. PFARRE, Brooklyn, N. Y. Filed Aug. 8, 1924. Serial No. 730,903. 2 Claims. (Cl. 128—214.)

2. A transfusion syringe, comprising a tubular body, an end member fixedly secured to the body and having a central extension, and an L-shaped passage having one member leading into the body and the other leading out through the extension, a cap mounted to turn on the fixed member with the extension projecting therethrough and provided with two tubular extensions projecting from its outer face, the bores of the extensions terminating in inclined passages adapted to be brought in register with the L-shaped passage of the fixed member, a screw engaging the extension of the fixed member and securing the cap on the fixed member, and a piston in the body.

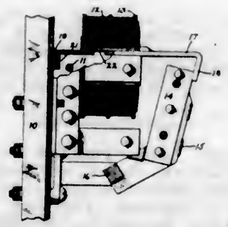


1,585,629. MOTOR CONTROL. KENNETH K. RORY, Wabash, Ind., assignor to The Honeywell Heating Specialties Company, of Wabash, Indiana, Wabash, Ind., a Corporation of Indiana. Filed Jan. 24, 1925. Serial No. 4,398. 5 Claims. (Cl. 172—239.)



1. The combination with an electric motor, of a thermostatic switch having two circuit closing positions, a plurality of switches having contacts movable in synchronism with the motor, one of said switches when in a predetermined position being adapted to establish the motor circuit for one circuit closing position of the thermostatic switch and the other being adapted when in a predetermined position to establish the motor circuit for the other circuit closing position of the thermostatic switch, and a relay operated by low voltage conditions in the motor circuit for establishing a motor circuit to one of said movable contact switches independently of the thermostatic switch.

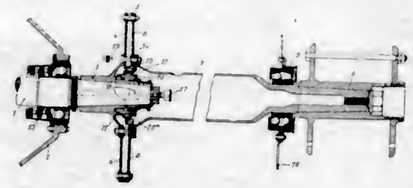
1,585,630. SUPPORT FOR THE WINDINGS AND THE MOVABLE MAGNETIC MEMBERS OF ELECTROMAGNETIC DEVICES. CHARLES F. CARPENTER, Schenectady, and LOUIS J. WEBER, Scotia, N. Y., assignors to General Electric Company, a Corporation of New York. Filed May 11, 1921. Serial No. 468,697. 11 Claims. (Cl. 175—336.)



1. A readily removable stop for the pivotally mounted armature of an electromagnet having a core with a shoulder and a removable winding spool disposed on the

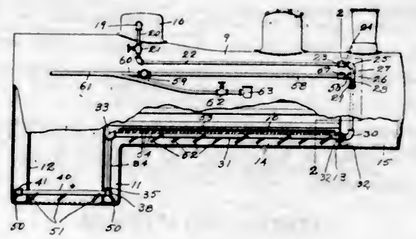
core to effect movement of the armature from its biased unattracted position to its attracted position, the said stop being in the form of a strip having a portion intermediate the ends thereof arranged to be interposed between the magnet spool and the magnet core and the ends thereof angularly disposed with respect to said intermediate portion, one of the said ends being arranged to cooperate with the magnet armature to arrest the movement thereof away from the attracted position and the other end being arranged to hook over the shoulder of the magnet core to hold the stop in position with respect to the magnet core against the pull exerted by the magnet armature tending to move away from its attracted position.

1,585,631. EXTENSION ARRANGEMENT FOR THE PROPELLER SHAFTS OF AVIATION ENGINES. JEAN MARIE HEINRICH, Paris, France, assignor to Société des Moteurs Salmson (Système Canton-Unné), Paris, France. Filed Nov. 25, 1924. Serial No. 752,217. 4 Claims. (Cl. 64—29.)



1. In combination with the propeller hub receiving end of an aircraft engine shaft, an extension for said shaft embodying a sleeve adapted to fit upon said receiving end, a tubular member, one end of which has a shape similar to that of said receiving end, whereby the propeller hub may be mounted either upon said receiving end or upon said end of said tubular member, flexible means connecting said sleeve to said tubular member and adapted to transmit the power torque to said tubular member, and a ball and socket connection between said sleeve and said tubular member and adapted to transmit the axial reactions to said engine shaft.

1,585,632. SEDIMENT REMOVER FOR BOILERS. ELZA L. ISAACS, West Frankford, Ill., assignor, by mesne assignments, to American Boiler Washing Device Company, a Corporation of Illinois. Filed Feb. 16, 1924. Serial No. 693,221. 9 Claims. (Cl. 122—384.)



1. A sediment remover for boilers comprising a pipe, a plurality of nozzles carried by said pipe, valves located in said nozzles and loaded to be opened successively by fluid pressure and means for admitting a fluid under pressure to said pipe and nozzles.

Patents Nos. 1,585,633 to 1,586,510.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Prints	19	No. 8,839 to No.	8,856, inclusive.
Reissues	2	No. 16,355 to No.	16,356, inclusive.
Designs	54	No. 70,205 to No.	70,258, inclusive.
Patents	878	No. 1,585,633 to No.	1,586,510, inclusive.
Total	1,336		

Interference Notices.

U. S. Patent Office, *Washington, May 11, 1926.*

Thomas J. Kennedy, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Carlton L. Hoff, c/o Hoff Metals Products Company, Grand Central Terminal, New York, N. Y., and patent granted May 20, 1924, No. 1,494,689, to Thomas J. Kennedy, c/o General Delivery, San Bernardino, Calif., and a notice of such declaration sent by registered mail to said Thomas J. Kennedy at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Thomas J. Kennedy, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A KINNAN.
First Assistant Commissioner.

U. S. Patent Office, *Washington, May 8, 1926.*

Yasutaro Katsumoto, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Svend E. Johannesen, c/o General Electric Co., Pittsfield, Mass., and patent granted June 16, 1925, No. 1,542,144, to Yasutaro Katsumoto, No. 36, Torishima-cho, Mishi-ku, Osaka, Japan, and a notice of such declaration sent by registered mail to said Katsumoto at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Katsumoto, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

M. J. MOORE, *Assistant Commissioner.*

ADJUDICATED PATENTS.

(D. C. N. Y.) The Trussell patent, No. 880,053, for metallic plates to open mating prongs in temporary binders, claim 4 *Held* valid and infringed. *Trussell Mfg. Co.* v. *S. E. & M. Vernon*, 11 F. (2d) 289.

(C. C. A. N. Y.) The Fessenden patents, Nos. 1,050,441 and 1,050,728, for electric signaling apparatus, *Held* contributorily infringed. *Westinghouse Electric & Mfg. Co.* v. *Precise Mfg. Corporation*, 11 F. (2d) 209.

(D. C. N. Y.) The Trussell patent, No. 1,104,394, for binder of single-ply leather, claims 1, 2, 3, and 4 *Held* not infringed. *Trussell Mfg. Co.* v. *S. E. & M. Vernon*, 11 F. (2d) 289.

(C. C. A. N. Y.) The Armstrong patent, No. 1,113,149, for wireless receiving system, *Held* contributorily infringed. *Westinghouse Electric & Mfg. Co.* v. *Precise Mfg. Corporation*, 11 F. (2d) 209.

(C. C. A. Ohio) The Hubbard patent, No. 1,223,978, for ventilator, claims 11 and 19 *Held* not infringed. *Herman Nelson Corporation of Moline, Ill.*, v. *Columbus Heating & Ventilating Co.*, 11 F. (2d) 278.

(D. C. N. J.) The Stedman patent, No. 1,482,952, for reinforced rubber flooring and process of making, claims 1, 2, 5, and 6 *Held* invalid. *Stedman* v. *Puritan Rubber Co.*, 11 F. (2d) 278.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,474,887, R. G. Bridges, Electric heating element, decided March 31, 1926, single claim.

Pat. 1,486,221, E. Berry, Means for controlling the flow of electrons in electric discharge devices, decided April 1, 1926, claims 1 and 6.

Pat. 1,526,265, E. Bergman, Electrical connection, decided April 27, 1926, claims 9 and 10.

Pat. 1,545,638, H. C. Clay, Automatic speed regulation, decided April 9, 1926, claims 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 17, and 18.

Condition of Applications Under Examination at Close of Business May 14, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,618; Trade-Mark Division, 1,289. Oldest new case, Nov. 11, 1925; oldest amended, Nov. 7, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 1	Mar. 1	592
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 26	Jan. 29	557
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 10	Jan. 25	1,101
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 18	Mar. 12	676
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 14	†Dec. 14	949
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 25	Jan. 25	1,240
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 24	Feb. 16	889
133	8. HENRY, O. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 2	Mar. 1	1,042
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 1	Mar. 5	531
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 8	Feb. 13	935
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 27	Feb. 19	749
380	12. PIERCE, P. P., Machine Elements	Feb. 12	Feb. 12	622
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 1	Mar. 16	647
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 4	Jan. 23	802
320	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 3	Mar. 13	605
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 12	Feb. 13	944
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 27	Jan. 23	416
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 9	Jan. 7	802
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 18	Mar. 6	529
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 18	Feb. 18	765
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 20	Feb. 20	463
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 25	Jan. 20	610
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 15	Jan. 29	276
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 9	Mar. 1	517
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Feb. 8	Feb. 10	867
223*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 11	†Nov. 28	784
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 15	Mar. 16	498
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 6	Feb. 16	900
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 9	†Dec. 10	1,046
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 1	Feb. 10	663
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 12	Mar. 11	832
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 19	Feb. 23	553
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 11	Mar. 8	775
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Dec. 7	†Nov. 7	693
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 8	Mar. 26	550
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 2	Feb. 25	989
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 1	Jan. 29	1,024
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 12	Jan. 2	912
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 30	Feb. 6	450
260	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 17	Feb. 20	1,117
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 15	Feb. 12	445
222*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 24	Feb. 18	962
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 1	Feb. 1	784
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 2	†Nov. 25	1,006
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 17	Feb. 19	471
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 16	Feb. 3	747
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 19	Feb. 20	1,045
219*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 27	†Nov. 27	1,712
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 3	Mar. 11	521
223	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 22	Jan. 25	1,242
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 9	Jan. 5	1,752
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 4	Feb. 17	837
241*	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 5	Mar. 10	734
102	DESIGNS: C. O. MARKHAM (Acting)	Apr. 24	Apr. 29	306
168	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, Jr. {Trade-Marks	Apr. 14	May 1	1,782
	{Labels and Prints	Apr. 19	May 7	107

*Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE ARAM.

Decided April 29, 1926.

1. CLAIMS—UNDUE BREADTH OF.

Where appellant claimed a fuel-supporting member for a furnace formed of ferrous material and having a closely adhering coating of nonferrous material, *Held* that his disclosure did not support a claim reciting a coating nonferrous material, since he disclosed no coating material other than aluminum.

2. UNPATENTABLE COMBINATION—OLD COMBINATION—NEW ELEMENT.

Where the invention resided in a specific grate structure and there was no new combination which included the means for introducing fuel into the furnace, *Held* that a claim should not include the fuel-introducing means in combination with the grate structure.

3. INVENTION—CHANGE OF MATERIAL.

The use of one material instead of another in the construction of a known article or machine amounts to invention where the substitution accomplishes a new and useful result, an increase in efficiency and a saving in operation.

Note.—This application has resulted in Patent No. 1,553,922, September 15, 1925.

Application for patent.

APPEAL from the Examiners in Chief.

METHOD OF AND MEANS FOR FACILITATING FUEL PASSAGE THROUGH A FURNACE.

Application filed February 7, 1922, Serial No. 534,722.

Mr. Wesley G. Carr and *Mr. David C. Davis* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief, affirming that of the Primary Examiner denying patentability to all the claims, nine in number, of which claims 1, 4, and 7 will serve for illustrative purposes:

1. In the art of burning solid fuel, the method of facilitating the passage of burning fuel and hot clinkers over iron fuel supporting members which comprises causing the burning fuel to travel in supporting contact with iron furnace members having a surface coating of a material less adherent to fused silica than iron.

4. A fuel-supporting member for a furnace formed of ferrous material and having a closely adherent coating of nonferrous material thereon.

7. A fuel-supporting member for a furnace composed of an iron body portion and a highly intimate coating of aluminum on such surfaces as are exposed to contact with hot fuel or clinker masses.

The references relied upon are: Fletcher, 61,615, January 29, 1867; Dimpfel, 8,799, March 16, 1852; Van Aller, 1,155,974, October 5, 1915.

The appealed claims are directed to means for preventing the corrosion or oxidation of the grate surfaces used in furnaces, especially of the type of an underfeed stoker having a number of alternating tuyère structures and retorts or fuel troughs. It is well known that the various parts of a furnace directly in contact with incandescent fuel must be protected in order to prevent the rapid deterioration of such furnace parts. The patents to Dimpfel and Fletcher disclose that this evil was recognized, and fire clay and soapstone are disclosed as protecting surfaces for grate bars or furnaces. Appellant employs a coating of aluminum and has found that this results in two desirable functions: First, the burning fuel and hot clinkers will travel more freely in contact with the coating of aluminum than when in contact with the iron of the members, and the objectionable adhering of the fuel to the grate structure is obviated; second, the presence of the aluminum coating prevents the corrosion or oxidation of the grate structure.

The patent to Van Aller discloses that it is old to coat such metals as copper and iron, which readily oxidize or corrode, with a thin layer of aluminum in order to prevent such deleterious effects. The patentee states that this coating and the iron to which it is applied may be heated to high temperatures without destroying the protecting effect of the coating. The patentee does not suggest the use of this coating for the specific purpose had in view by appellant.

[1] The tribunals below considered the appellant had done no more, in view of this state of the art, than substitute the aluminum coating of Van Aller for the clay or soapstone coating of Dimpfel or Fletcher, and that such substitution was obvious. There is nothing, however, in any of these disclosures, that suggests the advantage obtained by appellant of providing a coating to which the fused silica would not adhere and, at the same time, the grate structures would be protected from the corrosion incident to the burning fuel. The patent to Van Aller does not include furnace structures among the devices to which the invention is to be applied. I am satisfied the peculiar properties and advantages inherent in the use of this thin coating upon the grate structures were not to be deduced by anything taught by the prior art. The claims specific to what appellant has discovered should not, in my judgment, be denied.

[2] Since the hearing, appellant has submitted an amendment proposing to cancel claims 1, 2, 3, and 5, retaining the remaining claims, and only these will be here reviewed. Claim 4 recites a coating of nonferrous material. The claim does not state what this material is and since appellant has disclosed no material other than aluminum, it is not believed his disclosure supports a claim broadly to a nonferrous material. Furthermore, the claim is not patentable over the clay or soapstone covered grate structures of the prior art.

[3] Claims 6, 7, and 8 seem allowable and claim 9 is allowable in substance, but it is thought it should not include in combination with the grate structure the "means for introducing fuel into the furnace." There is no new combination which in-

cludes means for introducing the fuel. This clause should be canceled and the word "said" in line 3 of such claim should be changed to *the*. If these changes are made, this claim will be allowable. They should be made within thirty days.

[4] I have not overlooked the holding of the tribunals below that a mere change of material is not ordinarily patentable. In reaching the foregoing conclusion that appellant has done more than substitute one well-known material for another, reliance has been placed upon the fact that there was a new and useful result obtained which was not suggested nor hinted at in the patents of the prior art. As was stated in the case of *George Frost Co. et al.* v. *Cohn et al.*, Circuit Court S. D. N. Y., December 31, 1901, 112 Fed. 1009—

> the use of one material instead of another in the construction of a known article or machine amounts to invention where the substitution accomplishes a new and useful result, an increase in efficiency and a saving in operation.

In the cases cited by appellant in support of his appeal, *American Sulphite Pulp Co.* v. *Howland*, 80 O. G. 515; 80 Fed. 395; *American Paper Co.* v. *De Grasse Pulp Co.*, 157 Fed. 660; *Munsing Paper Co.* v. *American Sulphite Pulp Co.*, 228 Fed. 700, it was held that invention was involved in providing a digester tank with a lining of cement, although it was old to line these tanks with acid-resisting material such as lead, and it was old to use cement linings for walls of open vessels for heating solutions. The patentee discovered that under the condition of closed vessels, the sulphite layers, at high temperature and pressure, would not attack a cement lining. This new result was deemed sufficient to sustain the claim of the patent. It would seem these cases are somewhat in point in connection with the claims here on appeal.

The decision of the Examiners in Chief is affirmed as to claim 4 and reversed as to claims 6, 7, 8, and 9.

Court of Appeals of the District of Columbia.

CAMPBELL v. GILPIN.

No. 1,775. Decided December 7, 1925.

INTERFERENCE—ISSUE—INTERPRETATION OF.

In an interference proceeding the claims of the issue must be given the broad interpretation which their terms reasonably warrant when read in the light of the application in which they originated.

APPEAL from Patent Office. Affirmed.

Mr. E. E. Huffman for Campbell.

Mr. E. S. Clarkson, *Mr. P. M. Truman*, and *Mr. Melville Church* for Gilpin.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Patent Office in an interference proceeding awarding priority to the senior party, Gilpin.

The invention, while comparatively simple, possesses great utility and the case, because of its importance, has been very thoroughly presented, both before the Patent Office and here. The issue is defined in six counts, all of which originated in the Campbell application. Counts 1 and 2 are sufficiently illustrative and read as follows:

1. The combination with a railway car, of a coupler head carried thereby, a knuckle-lock for said coupler head provided with an eye, an actuating rod, and a link connected to said rod, said link having a bend formed in its lower part, the end of said bend being extended to form a complete loop open for the reception of the eye of the knuckle-lock, and the smallest over-all dimension of the loop being greater than any dimension of the eye, whereby said link can only be engaged with the eye of the knuckle-lock by a pivotal movement about an axis substantially perpendicular to the plane of the loop.

2. The combination with a railway car, of a coupler head carried thereby, a knuckle-lock for said coupler head provided with an eye, an actuating rod, and a link, provided at its upper part with a complete loop open to receive the eye of the actuating rod, the lower part of said link having formed therein a bend, the end of said bend being extended to form a complete loop open to receive the eye of the knuckle-lock, and the smallest over-all dimension of the loop being greater than any dimension of the eye whereby said link can only be engaged with the eye of the knuckle-lock by a pivotal movement around an axis substantially perpendicular to the plane of the knuckle-lock.

An examination of these counts discloses that the invention is a mechanism for releasing the coupling pin of a railway car, and comprises a link having a helical loop or bend in its lower end, to be inserted in the eye of the pin, the link being locked by a bar engaging its upper end. The helical loop is designed to prevent the removal of the link when in locked position by any shifting, jarring or vibration of the parts incident to the movement of the train. This loop is the bone of contention in the case.

Campbell filed his application on January 7, 1916, and a patent issued thereon May 22, 1917. Gilpin's application was filed September 18, 1917, as a division of application No. 44,717, filed August 10, 1915. If, therefore, Gilpin's original application disclosed this invention, the Campbell patent was inadvertently issued.

In the specification of his early application, Gilpin says:

> The object of my invention is to provide between the hand lever and the lock pin lifter a joint which is flexible to service conditions, but which at the same time prevents the pin lifter from being rotated around its axis, to such an extent at least as will make it possible for the pin lifter to be disengaged from the locking pin of the coupler, thereby, eliminating all danger of its becoming accidently disengaged from the coupler lock pin.

This is followed by a recitation of other objects which need not be mentioned here. Figures 10 and 11 of the drawing of that application, according to the finding of two of the tribunals of the Patent Office, disclose a structure not only capable of performing this intended function, but which fairly read upon the claims of the issue. If those claims are given the broad interpretation which their terms reasonably warrant, when read in the light of the application in which they originated; and that they must be so read in an interference proceeding is settled law in this court. *Miel* v. *Young*, 128 O. G. 2532; 29 App. D. C. 481; *Western Elec. Co.* v. *Martin*, 182 O. G. 723; 39 App. D. C. 147; *Kirby* v. *Clements*, 216 O. G. 1319; 44 App. D. C. 12, and *Clulee* v. *Adt*, 224 O. G. 742; 44 App. D. C. 300.

In April of 1915, some time prior to the filing of the early Gilpin application, his device was installed on cars of the Rutland Railroad, and, after reviewing the evidence on this point, we agree with the Examiner of Interferences and the [First] Assistant Commissioner that this installation constituted a reduction to practice by Gilpin of the invention. Since this date was earlier than the earliest date of conception claimed by Campbell, it follows that the conclusion reached by the Patent Office was right. The opinion of the [First] Assistant Commissioner, which we adopt, contains a full and very satisfactory discussion of the evidence and the law of the case.

The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

ANDREWS *v.* DOWNS.

No. 1,749. Decided December 7, 1925.

INTERFERENCE—DILIGENCE.

On the question whether A. was diligent both the court and the Patent Office attached much significance to the fact that the period of his delay came to an end only when he learned that D. had given the invention to the public through the medium of various publications.

APPEAL from Patent Office. Affirmed.

Mr. B. G. Foster for Andrews.

Mr. Frank E. Barrows and *Mr. W. B. Morton* for Downs.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from concurrent decisions of the tribunals of the Patent Office in an interference proceeding in which priority of invention was awarded the senior party Downs.

We have examined the decisions of the Examiner of Interferences and the Board, which contain an exhaustive review of the facts, and agree with the Assistant Commissioner, from whose decision this appeal was taken, that the award to Downs was correct. On the question whether Andrews was diligent, we attach much significance, as did the Patent Office, to the fact that the period of his delay came to an end only when he learned that Downs had given the invention to the public through the medium of various publications. The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

W. H. CHILDS & SON *v.* G. SIDENBERG & CO.

No. 1,816. Decided March 1, 1926.

TRADE-MARKS—CANCELLATION—ABANDONMENT OF MARK—DISUSE.

Where S. & Co. established a use of the mark since the year 1905, and C. & Son, who obtained registration in February, 1921, on an application filed November 6, 1919, derived the mark, by an assignment made in 1919, from the A. Co., who had registered the mark in 1890, and where neither the A. Co. nor C. & Son had used the mark from 1905 to 1919, *Held* that the decisions of the lower tribunals holding that there remained no goodwill in 1919 to transfer to C. & Son and that C. & Son were not entitled to a use of the mark at the date of their application for registration were correct.

APPEAL from a decision of the Commissioner of Patents. Affirmed.

Mr. E. W. Bradford for W. H. Childs & Son.

Mr. Jos. L. Levy and *Mr. O. E. Edwards* for G. Sidenberg & Co.

Before MARTIN, Chief Justice, ROBB, Justice, and BLAND, Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

This is an appeal from a decision of the Commissioner of Patents conceling a trade-mark registration theretofore granted to the appellant. The mark in question was registered in the month of February, 1921, and consisted of the word "Capitol", used upon muslin and cotton piece goods, the appellant claiming continuous use of it since January, 1888, together with a registration of it owned by appellant dated October, 1890.

In the month of June, 1923, the appellee filed a petition for the cancellation of said registration claiming prior use of the mark upon goods of the same descriptive properties, together with a registration thereof by appellee, and claiming also that appellee's right to a cancellation had been conclusively established under the rule of res judicata by a decision of the Examiner of Interferences in a former interference proceeding between the same parties, no appeal having been taken therefrom.

Evidence was introduced by the respective parties, including a resubmission of that introduced in the prior interference proceedings. The Examiner of Interferences thereupon found upon all the evidence that the appellee had established a use of the mark since the year 1895; that the mark of the appellant was derived from the Albion Company by an assignment made in the year 1919, that said company had registered the mark in the year 1890 and had used it upon cotton piece goods from that date until 1902, but that in the latter year the Albion Company had ceased to manufacture or deal in goods of this character and had abandoned the mark, that the mark was then used by appellant with the consent of the Albion Company until the year 1905, after which it remained in disuse until 1919, when the company's aforesaid registration was assigned to the appellant; but that there remained no goodwill at that time to transfer to appellant, so that appellant acquired only the naked registration, and that this had since expired without a renewal.

Upon these facts the Examiner held that the appellant was not entitled to a use of the mark at the date of the application for the registration now in question, and accordingly sustained the petition of appellee for cancellation thereof. The Examiner found it unnecessary to pass upon the question of res judicata. This decision was affirmed upon appeal, by the Commissioner of Patents.

We think it unnecessary to enter upon a detailed discussion of the evidence, for we are satisfied by a review of the record that the findings and decisions of the lower tribunals were correct, for the reasons fully set out in their opinions.

The decision of the Commissioner of Patents is accordingly affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

864,314, J. A. Le Roy, Independent framing device, order setting aside service of subpœna and complaint, Apr. 5, 1926, D. C., S. D. N. Y., Doc. E 30/96, *J. A. Le Roy* v. *The De Vry Corp.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Apr. 6, 1926, D. C., S. D. N. Y., Doc. E 35/182, *Westinghouse Electric & Mfg. Co., et al* v. *C. W. Down.*

1,050,728. (See 1,050,441.)

1,085,401, L. Bulasky, Feed mechanism for sewing machines, suit filed Apr. 6, 1926, D. C., S. D. N. Y., Doc. E 36/185, *L. Bulasky, Inc.*, v. *Ostrek & Marker* (*Ostrek Machine Co.*)

1,113,149. (See 1,050,441.)

1,125,476, G. Claude, System of illuminating by luminescent tubes, suit filed Apr. 5, 1926, D. C., S. D. N. Y., Doc. E 36/173, *Claude Neon Lights, Inc.*, v. *Rainbow Light, Inc., et al.*

1,140,559, G. Atterbury, Cementitious composition, decree affirmed (notice dated Apr. 5, 1926), C. C. A. (2d Cir.), Doc. 8978, *Nailcrete Corp* v. *P. Mende, Inc.*

1,145,818, W. L. Sullivan, Ticket-issuing machine, appeal filed Apr. 7, 1926, C. C. A. (2d Cir.), Doc. 9173, *National Electric Register Co.* v. *Automatic Ticket Register Corp.*

1,177,774, F. H. Houghland, Folding box, consent decree sustaining patent and granting injunction Apr. 3, 1926, D. C., S. D. N. Y., Doc. E 33/356, *C. A. Fox et al.* v. *Spear Box Co., Inc., et al.*

1,194,635, A. C. Johnson, Chain; 1,463,366, 1,559,629, T. C. Leake, Tractor, suit filed Apr. 5, 1926, D. C. S. D. Me., Doc. 888, *Bear Tractor Corp. et al.* v. *Mead-Morrison Mfg. Co.*

1,201,270. (See 1,377,405.)

1,256,509, E. D. Belknap, Addressing machine, decree affirmed (notice dated Apr. 5, 1926), C. C. A. (2d Cir.), Doc. 9088, *E. D. Belknap* v. *Wallace Addressing Machine Co., Inc.*

1,266,194, J. J. Barker, Sign, case dismissed without prejudice Mar. 30, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1618, *J. J. Barker et al.* v. *The Massillon-Cleveland Akron Sign Co.*

1,271,527, M. C. Hopkins, Sound-regenerating machine; 1,271,529, same, Acoustic device, suit filed Apr. 2, 1926, D. C., S. D. N. Y., Doc. E 36/162, *Lektophone Corp.* v. *Landay Bros., Inc.*

1,271,529. (See 1,271,527.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Mar. 31, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1656, *The Bassick Mfg. Co.* v. *J. W. Fischer* (*Waterman Fischer Co.*) Same, suits filed Apr. 6, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1474, *The Bassick Mfg. Co.* v. *Nichoalds Co.*; and Doc. 1475, *The Bassick Mfg. Co.* v. *R. D. Maher.*

1,307,734. (See 1,307,733.)

1,346,349, 1,455,414, J. C. Tate, Absorbing and purifying composition; 1,573,284, same, Composition for absorbing and purifying waste products of combustion, suit filed Mar. 31, 1926, D. C., N. D. Calif. (San Francisco), Doc. E 1655, *J. C. Tate* v. *Pacific Gas Heating Co. et al.*

1,361,360, W. Bourke, Violin-string-tensioning device, decree dismissing complaint on the merits, etc., Apr. 3, 1926, D. C., S. D. N. Y., Doc. E 28/395, *W. Bourke et al.* v. *S. Buegelcisen* (*Buegelcisen & Jacobson.*)

1,377,405, L. De Forest, Audion circuit; 1,201,270, same, Oscillating-current generator, suit filed Feb. 19, 1923, D. C., S. D. N. Y., Doc. E 26/112, *De Forest Radio Telephone & Telegraph Co.* v. *C. E. Mountford.* Filed order dismissing cause under rule 57 Apr. 3, 1926.

1,411,391, J. D. Tucker, Spoke tightener, decree entered Mar. 26, 1926, perpetually enjoining defendants from using or selling articles embodied in said patent, D. C., W. D. Okla., Doc. E 743, *Tucker Mfg. Co.* v. *C. T. Brunson* (*Altus Machine & Supply Co.*).

1,455,414. (See 1,346,349.)

1,463,366. (See 1,194,635.)

1,473,583, A. E. Lohn, jr., Auto door sign, patent held valid and infringed, injunction granted, defendant to deliver to plaintiff all auto sign doors in its possession covered by said patent, Feb. 26, 1926, D. C., S. D. Calif. (Los Angeles), Doc. H 83 M, *A. W. Lohn, jr., et al.* v. *Parker & Waterman Mfg. Co.*

1,559,629. (See 1,194,635.)

1,562,407, W. Berk, Lamp bracket, suit filed Apr. 6, 1926, D. C., S. D. N. Y., Doc. E 36/184, *American Auto Lamp Co., Inc.*, v. *U. S. Auto Lamp Mfg. Co., Inc.*

1,566,047, M. B. Solomon, Tray structure, suits filed Apr. 5, 1926, D. C., S. D. N. Y., Doc. E 36/175, *American Tray Co., Inc.*, v. *Universal Art Metal Works, Inc.*; and Doc. E 36/176, *American Tray Co., Inc.*, v. *New York Tray Co.*

1,571,512, W. Dubilier, Electrical condenser, suit filed Apr. 5, 1926, D. C., S. D. N. Y., Doc. E 36/172, *Dubilier Condenser & Radio Corp.* v. *Acrorox Wireless Corp.*

1,573,284. (See 1,346,349.)

T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, defendants enjoined from selling any product under name of "Cherre Kola" or "Keen Kola" or any colorable imitation of the trade-mark "Coca Cola" Mar. 25, 1926, D. C., W. D. Okla., Doc. E 757, *The Coca Cola Co.* v. *Keen Kola Bottling Co. of Oklahoma.*

Des. 66,051, M. White, Leather, consent and order of discontinuance Apr. 5, 1926, D. C., S. D. N. Y., Doc. E 30/360, *M. White* v. *Lefkowitz & Fisher, Inc.*, and Doc. E 30/361, *M. White* v. *J. Goldberg et al.*

TRADE-MARKS

OFFICIAL GAZETTE, MAY 25, 1926.

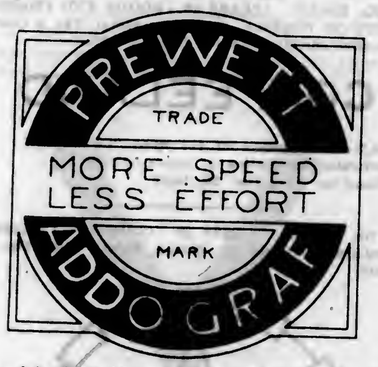
[VOL. 346. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 183,593. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLAY W. PREWETT, Los Angeles, Calif. Filed July 23, 1923.



No claim is made to the words "Prewett" or "More Speed, Less Effort" or to the words "Trade-Mark" apart from the mark shown.

Particular description of goods.—Calculating Machines and Calculating-Machine Casings.

Claims use since April, 1922.

Ser. No. 183,617. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BYRD WILLBANKS, doing business as Kleenit Chemical Co., Fort Worth, Tex. Filed July 23, 1923.

No claim is made to the words "Knocks the Spots" except as associated with the trade-mark shown.

Particular description of goods.—Chemical Composition for Cleaning Fabrics.

Claims use since June 12, 1922.

Ser. No. 191,754. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DAMPNEY COMPANY OF AMERICA, Boston, Mass. Filed Feb. 4, 1924.

NUMBER 1

Particular description of goods.—Protective Coatings for the inside of Boiler Drums and Boiler and Economizer Tubes, Etc.

Claims use since Oct. 10, 1923.

Ser. No. 192,076. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM KAOUGH COAL COMPANY, Fort Wayne, Ind. Filed Feb. 9, 1924.

The semi-circular background upon which the lettering is shown being striped and colored, simulating a rainbow, no claim being made to the wording other than "Rainbow."

Particular description of goods.—Coal.

Claims use since Dec. 15, 1923.

Ser. No. 192,784. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NEW JERSEY WIRE CLOTH CO., Trenton, N. J. Filed Feb. 25, 1924.

PANEL

Particular description of goods.—Wire Cloth.

Claims use since May, 1921.

Ser. No. 202,880. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEWTON WALLACE MAXWELL, doing business as Loggers Equipment & Car Company, Seattle, Wash. Filed Sept. 22, 1924.

No claim is made to the representation of the locomotive apart from the mark shown.

Particular description of goods.—Machinery; Steam, Gasoline, and Internal-Combustion Locomotives; Tractors, Dredges, Shovels, Locomotive Cranes, Pumps; Logging, Hoisting, Stationary, or Marine Engines; Earth, Sand, or Gravel Scrapers or Power Scrapers; Overhead Traveling Cranes, Derricks, Lumber Carriers, Air Compressors, Concrete Mixers, Road Rollers; Rock Crushers, Ditchers, Snowplows, Log and Lumber Skidders, Tramways, Aerial Cableways, Track Layers, Track Tools, Lifting Jacks, Drills, Lathes, Planers, Drill Presses, and Wheel Presses.

Claims use since June 20, 1924.

Ser. No. 204,535. (CLASS 11. INKS AND INKING MATERIALS.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Oct. 29, 1924.

"Permex"

Particular description of goods.—Printing Ink in Paste Form.

Claims use since Apr. 4, 1924.

Ser. No. 205,493. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT & BOWNE, Bloomfield, N. J. Filed Nov. 18, 1924.

SCOTT'S

BLUE SEAL

No claim is made to the word "Scott's" apart from the mark as shown. The lining of drawing is used to indicate shading.

Particular description of goods.—Cod-Liver Oil.

Claims use since Sept. 2, 1924.

Ser. No. 205,706. (CLASS 15. OILS AND GREASES.) O'NEIL OIL & PAINT CO., Milwaukee, Wis. Filed Nov. 22, 1924.

Velvet

Particular description of goods.—Lubricating Oils and Greases.

Claims use since 1893.

Ser. No. 206,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COMMERCIAL TEA & COFFEE CO., Boston, Mass. Filed Dec. 13, 1924.

COFFEELAND

Trade-mark consists of the word "Coffeeland."

Particular description of goods.—Coffee.

Claims use since Dec. 20, 1923.

Ser. No. 206,772. (CLASS 39. CLOTHING.) EASTERN COMMISSION COMPANY, Boston, Mass. Filed Dec. 16, 1924.

TRADE MARK

The word "Trade-Mark" has been disclaimed apart from the mark shown.

Particular description of goods.—Blue-Chambray Work Shirts, English-Broadcloth Dress Shirts, and Cotton Hose.

Claims use since Jan. 20, 1924.

Ser. No. 207,482. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. WITTNAUER CO., New York, N. Y. Filed Dec. 30, 1924.

THE OBSERVATORY CHRONOMETER

No claim is made to the exclusive use of the word "Chronometer" apart from the mark as shown, "The Observatory Chronometer."

Particular description of goods.—Watches.

Claims use since 1923.

Ser. No. 208,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MESSING BREAD COMPANY, INCORPORATED, New York, N. Y., assignor to Messing Bakeries, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1925.

GOLDEN MESSING SPONGE

No claim is made to the words "Golden Sponge" and "Bread" apart from their use as shown in the drawing.

Particular description of goods.—Cake.

Claims use since Nov. 5, 1924.

Ser. No. 209,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEYAUWEGA MILLING COMPANY, Weyauwega, Wis. Filed Feb. 17, 1925.

Particular description of goods.—Rye Flour, Rye Meal, Rye-Flour Compound, and Rye Feed.

Claims use since Feb. 11, 1924.

Ser. No. 211,562. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AKRON TIMES PUBLISHING COMPANY, Akron, Ohio. Filed Mar. 25, 1925.

At Large in Akron
by H. Fetzer

No claim is made to the name "H. Fetzer."

Particular description of goods.—Heading for Newspaper Articles.

Claims use since about Mar. 13, 1921.

Ser. No. 211,563. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AKRON TIMES PUBLISHING COMPANY, Akron, Ohio. Filed Mar. 25, 1925.

Pippins & Cheese
By JAKE FALSTAFF
"I will make an end of my dinner, there's pippins and cheese to come."—Merry Wives of Windsor.

No claim is made to the name "Jake Falstaff" or to the following quotation: "I will make an end of my dinner, there's pippins and cheese to come.—Merry Wives of Windsor," apart from the mark shown.

Particular description of goods.—Heading for Newspaper Articles.

Claims use since about Nov. 25, 1920.

Ser. No. 211,720. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEORGE W. STEIN, Los Angeles, Calif. Filed Mar. 26, 1925.

2 IN 1

Particular description of goods.—Butchers' Block Scraping and Brushing Implements.

Claims use since July 1, 1921.

Ser. No. 211,909. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDISON ELECTRIC APPLIANCE COMPANY, Chicago, Ill. Filed Mar. 31, 1925.

The color lines of drawing are red and black.

Particular description of goods.—Electric Domestic Flatirons, Electric Laundry Irons, Electric Tailor Irons, Electric Polishing Irons, Electric Curling Irons, Electric-Heating Pads, Electric Immersion Heaters, Electric Soldering Irons, Electric Percolators, Electric Radiant Heaters, Electric Teapots, Electric Teakettles, Electric Table Stoves, Electric Disk Stoves, Electric Toasters, Electric Grills, and Electric Waffle Irons.

Claims use since Jan. 1, 1924.

Ser. No. 211,929. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUGO C. GIBSON, New Orleans, La. Filed Mar. 31, 1925.

Savyurkidy.

"Savyurkidy."
Particular description of goods.—Life Preservers Such as are Arranged for Securing to the Body.
Claims use since October, 1924.

Ser. No. 211,930. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUGO C. GIBSON, New Orleans, La. Filed Mar. 31, 1925.

Savyurself

"Savyurself."
Particular description of goods.—Life Preservers Such as are Arranged for Securing to the Body.
Claims use since Nov. 12, 1924.

Ser. No. 212,190. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Pawtucket, R. I. Filed Apr. 4, 1925.

Tamarack

Particular description of goods.—Cotton and Cotton and Silk Draperies and Upholsteries in the Piece.
Claims use since Mar. 16, 1925.

Ser. No. 212,766. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEO. D. WETHERILL & CO., INC., Philadelphia, Pa. Filed Apr. 15, 1925.

ATLAS

Particular description of goods.—Ready-Mixed Paints.
Claims use since Apr. 5, 1911.

Ser. No. 212,918. (CLASS 38. PRINTS AND PUBLICATIONS.) GIPSY TRAIL CAMP AND COUNTRY CLUB, INC., New York, N. Y. Filed Apr. 18, 1925.

Particular description of goods.—Magazine Published From Time to Time.
Claims use since about Apr. 10, 1925.

Ser. No. 212,951. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925.

P

250

The mark consists of the letter "P" inclosed within a diamond and the numerals "250."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1903.

Ser. No. 213,736. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REICHMANN COMPANY, Chicago, Ill. Filed May 2, 1925.

The trade-mark consists of a raised band intermediate of the ends of the horn, the medial portion of the band being of polished gold. The band is shaded in the drawing merely to indicate its cylindrical contour. No claim is made to the representation of a horn.
Particular description of goods.—Sound-Amplifying Horns for Use With Radio Apparatus.
Claims use since Jan. 29, 1925.

Ser. No. 214,187. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) STAR BRUSH MANUFACTURING CO., INC., Brooklyn, N. Y. Filed May 11, 1925.

RUB-R-TITE

Particular description of goods.—Brushes—Namely, Wall, Scrubbing, Clothes, Paint, Varnish, Whitewash, Shaving, Tooth, and Hair Brushes.
Claims use since Apr. 1, 1925.

Ser. No. 214,205. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FRANK & SEDER INC., Pittsburgh, Pa. Filed May 12, 1925.

DURA-BILT CORD

No claim is made to the use of the word "Cord" except as shown in the drawing. Trade-mark consists of the words "Dura-Bilt-Cord."
Particular description of goods.—Automobile Tires.
Claims use since Apr. 2, 1925.

Ser. No. 215,294. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CINCINNATI BICKFORD TOOL COMPANY, Oakley and Cincinnati, Ohio. Filed June 4, 1925.

MASTER

Particular description of goods.—Metal-Drilling Machines.
Claims use since Apr. 18, 1925.

Ser. No. 215,456. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed June 8, 1925.

NILE

Particular description of goods.—Lacquer.
Claims use since about January, 1891.

Ser. No. 216,161. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed June 22, 1925.

BUCKEYE

Particular description of goods.—Hoof Pads.
Claims use since on or about 1905.

Ser. No. 216,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. D. AND A. B. SPRECKELS SECURITIES CO., doing business as Western Sugar Refinery, San Francisco, Calif. Filed June 23, 1925.

The lining on the drawing represents shading only.
Particular description of goods.—Sugar.
Claims use since about May 15, 1918.

Ser. No. 216,629. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MILLS CORPORATION, New York, N. Y. Filed June 29, 1925.

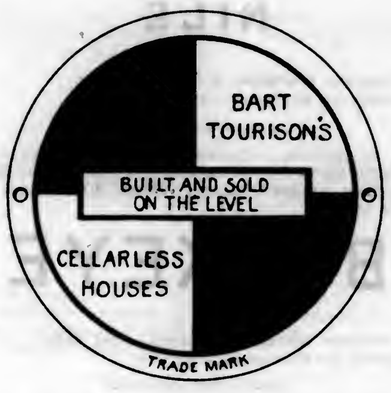
"Royal Cord Fabrics"

No claim is made for the words "Cord Fabrics" apart from the mark shown.

Particular description of goods.—Plain and Fancy Corduroys.

Claims use since May 15, 1925.

Ser. No. 216,649. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BART TOURISON, Philadelphia, Pa. Filed June 29, 1925.



No claim is made to the exclusive use of the words "Trade-Mark", "Bart Tourison's", "Built and Sold on the Level", and "Cellarless Houses" apart from the mark shown.

Particular description of goods.—Metal Molds for Obtaining Architectural Motives of Concrete, Metal Molds for Obtaining Horizontal Structural Members and Walls, Compressed-Air Machines for Obtaining Wall Finishes, and Machines for Making Concrete Blocks.

Claims use since May 7, 1921.

Ser. No. 216,826. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DOW-HERRIMAN PUMP AND MACHINERY COMPANY, San Francisco, Calif., doing business as Radium Ore Revigator Company (assignor to Radium Ore Revigator Company, San Francisco, Calif., a Corporation of Nevada). Filed July 3, 1925.

RADIUM JAR

Exclusive right to the word "Jar" is disclaimed apart from the mark shown.

Particular description of goods.—Containers Used for Substances to Which it is Desirable to Impart the Medicinal Value of Radioactive Emanation.

Claims use since June 16, 1925.

Ser. No. 217,076. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE EXCHANGE ORANGE PRODUCTS CO., San Dimas, Calif. Filed July 9, 1925.

Californange

Particular description of goods.—Concentrated California Citrous-Fruit Juices for Soft-Drink Purposes.

Claims use since Apr. 1, 1925.

Ser. No. 217,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed July 9, 1925.

CITY

Particular description of goods.—Coffee.

Claims use since on or about 1911.

Ser. No. 217,575. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANK H. NEWTON, Los Angeles, Calif. Filed July 18, 1925.

DUPLEX DILATOR

The descriptive word "Dilator" is disclaimed apart from the mark shown.

Particular description of goods.—Surgical and Hygienic Appliances—Namely, Rectal Dilators, Vaginal Applicators, Syringes, and Syringe Attachments.

Claims use since July, 1924.

Ser. No. 217,955. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PLAZA MUSIC CO., New York, N. Y. Filed July 27, 1925.

KOMPACT

No claim is made to the exclusive use of the word "Kompact" apart from the mark shown in the drawing.

Particular description of goods.—Diminutive Phonographs.

Claims use since July 3, 1925.

Ser. No. 218,182. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE HUDEPOHL BREWING COMPANY, Cincinnati, Ohio. Filed July 31, 1925.

Dutch Cocktail

Particular description of goods.—Nonintoxicating Malt Beverage Sold as a Soft Drink and Sirups for Making the Same.

Claims use since Apr. 4, 1925.

Ser. No. 218,533. (CLASS 39. CLOTHING.) A. J. WATSON & CO., INC., New York, N. Y. Filed Aug. 7, 1925.

No claim is made to the words "Feminine Dress of Fashion" apart from the mark as shown.

Particular description of goods.—Feminine Dresses and Coats.

Claims use since May 28, 1922.

Ser. No. 218,697. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE GENERAL MATCH COMPANY, Cincinnati, Ohio. Filed Aug. 11, 1925.

Particular description of goods.—Matches.

Claims use since July 1, 1925.

Ser. No. 219,023. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ALVIN SILVER CO., New York, N. Y. Filed Aug. 18, 1925.

ALVIN

Particular description of goods.—Sterling-Silver Flatware, Hollow Ware, Toilet Ware, and Silver-Plated Flatware.

Claims use since about 1886.

Ser. No. 219,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y. Filed Aug. 28, 1925.

Dairylea Milch Wie Sahne

No claim is made to words "Milch Wie Sahne" apart from the mark as shown in the drawing.

Particular description of goods.—Conserved Milk.

Claims use since Aug. 10, 1925.

Ser. No. 219,656. (CLASS 15. OILS AND GREASES.) WARREN G. BLACK, doing business as Warren G. Black Company, Cleveland, Ohio. Filed Sept. 2, 1925.

BLACK CHARGER

Particular description of goods.—Gasoline.

Claims use since on or about June 1, 1925.

Ser. No. 219,657. (CLASS 15. OILS AND GREASES.) WARREN G. BLACK, doing business as Warren G. Black Company, Cleveland, Ohio. Filed Sept. 2, 1925.

BLACK CHARGER

Particular description of goods.—Gasoline.

Claims use since on or about June 1, 1925.

Ser. No. 219,690. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y. Filed Sept. 2, 1925.

POLLY

Particular description of goods.—Musical Instruments and Supplies, Specifically Phonographs and Parts Thereof, Vibrating Cones, and Mechanical Vibrating and Oscillating Reproducer Parts.

Claims use since Aug. 12, 1925.

Ser. No. 219,691. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y. Filed Sept. 2, 1925.

POLLY OSCILLATOR

No claim is made to the word "Oscillator" apart from the mark shown in the drawing.

Particular description of goods.—Musical Instruments and Supplies.

Claims use since Aug. 12, 1925.

Ser. No. 219,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Filed Sept. 8, 1925.

KALINA

"The Flavor Lingers"

No rights are claimed for the words "The Flavor Lingers."

Particular description of goods.—Coffee.

Claims use since Aug. 4, 1925.

Ser. No. 221,288. (CLASS 39. CLOTHING.) CHAS. A. STEVENS & BROS., Chicago, Ill. Filed Oct. 5, 1925.

Formoda

Particular description of goods.—Underwear, Drawers, Tights, Vests, Union Suits of Knitted and Textile Fabric, and Corsets.

Claims use since Jan. 1, 1905.

Ser. No. 221,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZUCCA'S RESTAURANT, INC., New York, N. Y. Filed Oct. 10, 1925.

Zucca's

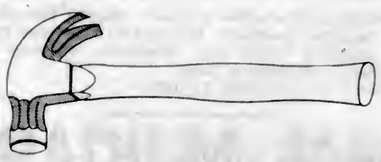
RED BRAND

No claim is made to the name "Zucca's" apart from the mark as shown. The word "Brand" is disclaimed also.

Particular description of goods.—Noodles.

Claims use since about June 16, 1925.

Ser. No. 222,073. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE & TOOL COMPANY, Charleston, W. Va. Filed Oct. 21, 1925.



No claim is made to the exclusive use of the representation of a hammer apart from the mark shown in the drawing. The mark consists of a circumferential green band displayed upon the neck of the hammer and in the green color of the rear and inner faces of the claw of the hammer and the upper and lower faces of the eye of the hammer, the lining expressing the color green.

Particular description of goods.—Hammers.

Claims use since Mar. 14, 1925.

Ser. No. 222,102. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ANTIKAMNIA REMEDY COMPANY, St. Louis, Mo. Filed Oct. 22, 1925.

AK

Particular description of goods.—Medicinal Tablets for Headaches, Neuralgia, La Grippe, Rheumatic Pain, Women's Aches and Ills, and Kindred Ailments.

Claims use since Feb. 1, 1894.

Ser. No. 222,135. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PNEUMATIC SCALE CORPORATION, LIMITED, Norfolk Downs, Mass. Filed Oct. 22, 1925.

COINAUDIT

Particular description of goods.—Coin Sorting, Packaging, Counting, and Handling Machines.

Claims use since Sept. 1, 1925.

Ser. No. 222,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES GRATTON, Toronto, Ontario, Canada, assignor to Henry Heide, Incorporated, New York, N. Y. Filed Oct. 27, 1925.

DOLLAWATCH

Particular description of goods.—Candy Patties.

Claims use since Sept. 1, 1925.

Ser. No. 222,416. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUPELO COTTON MILLS, Tupelo, Miss. Filed Oct. 27, 1925.

HOME-TEX

Particular description of goods.—Cotton Piece Goods.

Claims use since January, 1923.

Ser. No. 222,483. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REYNOLDS SPRING COMPANY, Jackson, Mich. Filed Oct. 28, 1925.

Particular description of goods.—Straight Two-Way Plugs, Angle Two-Way Plugs, Angle Three-Way Convenience Taps, Appliance-Cord Switches, Separable Attachment Plugs, Heater Connecter Plugs, Switched Heater Connecter Plugs, Appliance-Cord Sets, Switches, Outlets, Flush Plates, Push Plates, Sockets, Attachment Plugs, Receptacle Plates, Toggle Switch Plates, Push Switch Plates, Heater-Cord Sets, Switched Heater-Cord Sets, Single Receptacle Plates, Duplex Receptacle Plates, and Wall Plates.

Claims use since July 20, 1925.

Ser. No. 222,731. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Nov. 3, 1925.

BRAKE BOOTS

Particular description of goods.—Coverings for Floor-Board Openings in Automobiles.

Claims use since Oct. 20, 1925.

Ser. No. 222,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTATE HENRY C. MINER, INC., New York, N. Y. Filed Nov. 6, 1925.

Particular description of goods.—Perfumery, Toilet Lotions, Hair Tonic, Face Powder, Beauty Clay, Face, Lip, and Nail Rouge; Depilatories, Face and Hand Creams, and Eyebrow Pencils.

Claims use since Oct. 28, 1925.

Ser. No. 223,208. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABERFOYLE MFG. CO., Chester, Pa. Filed Nov. 13, 1925. Under 10-year proviso.

ABERFOYLE

"Aberfoyle."

Particular description of goods.—Staple and Novelty Cotton Piece Goods, Shirtings, Artificial-Silk Fabrics in the Piece, and Piece Goods Composed of Cotton, Silk, Artificial Silk, Wool, and Linen and Mixtures of the Same.

Claims use since about 1884.

Ser. No. 223,398. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LANDON C. MANNING, New York, N. Y. Filed Nov. 16, 1925.

PACK SHOP

Particular description of goods.—Coin-Controlled Vending Machines.

Claims use since Aug. 15, 1924.

Ser. No. 223,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN MILK PRODUCTS CORPORATION, New York, N. Y. Filed Nov. 17, 1925.

GLÜCKSKLEE

Particular description of goods.—Canned Evaporated Milk.

Claims use since March, 1923.

Ser. No. 223,705. (CLASS 15. OILS AND GREASES.) DUTEE W. FLINT OIL CO., INC., Providence, R. I. Filed Nov. 23, 1925.

Particular description of goods.—Crude Petroleum Oil, Gasoline, Kerosene, Lubricating Oil, Liquid Fuel for Internal-Combustion Engines or the Like, Fuel Oil, Furnace Oil, Gas Oil, Lubricating Grease, Automotive Grease, Industrial Grease, Asphalt Grease, Benzol, and Paraffin Wax.

Claims use since Apr. 1, 1925.

Ser. No. 223,873. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. SCHUMACHER & Co., New York, N. Y. Filed Nov. 25, 1925.

Waverly Prints

No claim is made to the word "Prints" except as shown on the drawing. The mark consists of the words "Waverly Prints."

Particular description of goods.—Upholstering Fabrics—Viz, Printed Cotton Piece Goods and Printed Colors in the Piece.

Claims use since 1920.

Ser. No. 224,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONES DATE COMPANY, Los Angeles, Calif. Filed Nov. 30, 1925.

SUN-GROWN

Particular description of goods.—Dried Fruits—Namely, Apricots, Peaches, Prunes, Raisins, Figs, and Dates.

Claims use since Aug. 17, 1925.

Ser. No. 224,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLAZE, BALAAM & MOYE, Exeter, Calif. Filed Dec. 2, 1925.

Red Lion

Particular description of goods.—Fresh Fruits, Particularly Fresh Grapes, Fresh Peaches, Fresh Pomegranates, Fresh Quinces, and Fresh Plums.

Claims use since October, 1924.

Ser. No. 224,118. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Dec. 2, 1925.

MOLETEX

"Moletex."

Particular description of goods.—Cotton Piece Goods Used in the Manufacture of Overalls and Work Clothes.

Claims use since Nov. 16, 1925.

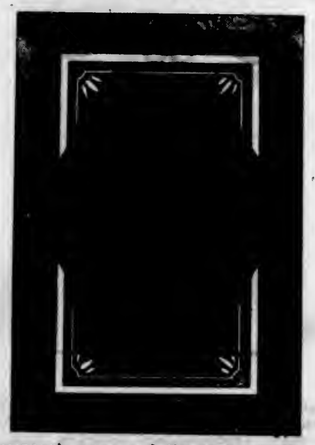
Ser. No. 224,140. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EDGAR C. JONES, doing business as Janice Mineral Water Co., Red Oak, Ga. Filed Dec. 1, 1925.

JANICE

Particular description of goods.—Mineral Water.

Claims use since Oct. 15, 1924.

Ser. No. 224,155. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SAYRE OIL & REFINING CO., Sayre, Okla. Filed Dec. 1, 1925.



The company's name and the geographical matter on the drawing are disclaimed apart from the other features of the mark. The drawing is lined for color, the rectangular panel being green with black marginal border line inclosing a white inner border line, the central disk-like figure being red.

Particular description of goods.—Painters' Naphtha.

Claims use since Mar. 1, 1925.

Ser. No. 224,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. G. ABRAHAM COMPANY, Moline, Ill. Filed Dec. 4, 1925.

Carol Jean

Particular description of goods.—Candy.

Claims use since Sept. 18, 1925.

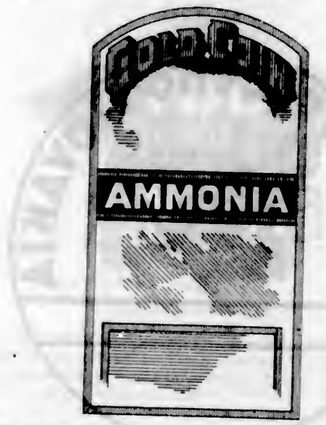
Ser. No. 224,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. HARRIS CO. INC., Binghamton, N. Y. Filed Dec. 8, 1925.

The lining on the drawing is for shading only.

Particular description of goods.—Food-Flavoring Extracts.

Claims use since 1922.

Ser. No. 224,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK E. HARRIS CO. INC., Binghamton, N. Y. Filed Dec. 8, 1925. Under 10-year proviso.



The lining of drawing is for shading only.

Particular description of goods.—Ammonia.

Claims use since 1889.

Ser. No. 224,432. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SHORE INSTRUMENT & MFG. CO., Jamaica, N. Y. Filed Dec. 8, 1925

Everything in the mark with the exception of the word "Universal" is disclaimed apart from the mark as shown.

Particular description of goods.—Static Hardness Indicators.

Claims use since Oct. 1, 1925.

Ser. No. 224,454. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) FREYDBERG BROTHERS, INCORPORATED, New York, N. Y. Filed Dec. 9, 1925.

IRONEJ

Particular description of goods.—Tapes and Bindings of Linen, Cotton, Silk, and Wool Materials.

Claims use since Oct. 1, 1925.

Ser. No. 224,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY E. DORSEY, Somerset, Pa. Filed Dec. 10, 1925. Under 10-year proviso.

KEMP'S SYSTEM TONIC

Particular description of goods.—Medicine for the Treatment of Blood, Liver, and Kidney Diseases.

Claims use since Sept. 7, 1892.

Ser. No. 224,584. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. J. VAN HOUTEN AND ZOON A COMMANDITAIRE VENNOOTSCHAP OP AANDEELEN, Weesp, Holland. Filed Dec. 11, 1925.

No claim is made to the exclusive use of the words "Imported Dutch Cocoa, Once Tried Always Used" apart from the mark shown in the drawing.

Particular description of goods.—Cocoa.

Claims use since Mar. 3, 1925.

Ser. No. 224,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. J. VAN HOUTEN AND ZOON A COMMANDITAIRE VENNOOTSCHAP OP AANDEELEN, Weesp, Holland. Filed Dec. 11, 1925.

VAN HOUTEN'S
IMPORTED

QUICK SERVICE
COCOA

No claim is made to the words "Imported, Quick Service Cocoa" apart from the mark shown in the drawing.

Particular description of goods.—Mixture of Cocoa, Sugar, and Milk Powder.

Claims use since Mar. 3, 1925.

Ser. No. 224,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed Dec. 12, 1925.

Particular description of goods.—Wheat Flour—Namely, Self-Rising Flour.
Claims use since April, 1889.

Ser. No. 224,655. (CLASS 39. CLOTHING.) D'ANDREA BROTHERS, INC., New York, N. Y. Filed Dec. 14, 1925.

Particular description of goods.—Men's Business Suits, Dinner Suits, Dress Suits, Cutaways, Overcoats, Knickerbockers, Trousers, Dress Shirts, Negligee Shirts, Work Shirts, and Undershirts, of Knitted, Netted, or Textile Fabric; Collars, Ties, Sweaters, Sweater Jackets, Hosiery, Bathing Suits, Beach Robes, House Robes, Underwear of Knitted, Netted, and Textile Fabrics; Slippers of Leather, Rubber, Fabric, or Combinations Thereof; and Pyjamas.
Claims use since April, 1922.

Ser. No. 224,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. J. VAN HOUTEN AND ZOON A COMMANDITAIRE VENNOOTSCHAP OP AANDEELEN, Weesp, Holland. Filed Dec. 14, 1925.

No claim is made herein to the words "Single Service Sweetened Cocoa" apart from the trade-mark shown in the drawing.
Particular description of goods.—Mixture of Cocoa and Sugar.
Claims use since Mar. 3, 1925.

Ser. No. 224,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JASS MFG. CO., Atlanta, Ga., and Philadelphia, Pa. Filed Dec. 16, 1925.

The expression "Maid in Czecho-Slovakia" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Cloth by the Piece—Namely, Cotton, Silk, Wool, or Combinations Thereof.
Claims use since Mar. 18, 1923.

Ser. No. 224,764. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JASS MFG. CO., Atlanta, Ga., and Philadelphia, Pa. Filed Dec. 16, 1925.

The expression "Maid in Poland" is disclaimed apart from the other features of the mark shown.
Particular description of goods.—Cloth by the Piece—Namely, Cotton, Silk, Wool, or Combinations Thereof.
Claims use since Nov. 12, 1922.

Ser. No. 224,885. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TYPON REFLEX PAPER CO., INC., New York, N. Y. Filed Dec. 18, 1925.

Particular description of goods.—Sensitized Papers and Films.
Claims use since October, 1924.

Ser. No. 225,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRIGG, DOBBS & COMPANY, doing business as Economy Wholesale House, Chattanooga, Tenn. Filed Dec. 23, 1925.

Particular description of goods.—Coffee.
Claims use since Oct. 1, 1925.

Ser. No. 225,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL COLLEGE OF HEALTH COMPANY, LIMITED, Broughton, Manchester, England. Filed Dec. 28, 1925.

Particular description of goods.—Ointments, Lotions, Powders, and Blood Medicine for the Treatment of Bad Legs.
Claims use since 1902.

Ser. No. 225,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. BAXTER & BROTHER, Brunswick, Me. Filed Dec. 31, 1925.

The word "Brand" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Canned Vegetables, Particularly Canned Peas, Canned String and Stringless Beans.
Claims use since July 1, 1923.

Ser. No. 225,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREELEY SQUARE HOTEL COMPANY, New York, N. Y. Filed Jan. 2, 1926.

No registration rights are claimed for the radio station call letters "WMCA."
Particular description of goods.—Candies, Ice Cream, Teas, Coffee, Cocoa, Canned Fruits, Canned Vegetables and Soups, Bread, Cake, Cake Wafers, and Butter.
Claims use since Nov. 14, 1925.

Ser. No. 225,474. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAENICHEN BROS. SILK CO., Paterson, N. J. Filed Jan. 4, 1926.

No claim is made to the words "Beaded Stripe, Better Service, Umbrella Silk, Haenichen Bros. Silk Co." apart from the trade-mark as shown.
Particular description of goods.—Umbrella Silk Piece Goods.
Claims use since Oct. 4, 1925.

Ser. No. 225,481. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MAGAZINE BUILDERS, INC., New York, N. Y. Filed Jan. 4, 1926.

SCREENLAND

"Screenland."
Particular description of goods.—Monthly Magazines.
Claims use since Aug. 15, 1920.

Ser. No. 225,487. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PEATES MUSIC HOUSE, INCORPORATED, Utica, N. Y. Filed Jan. 4, 1926.

WILLCLAR

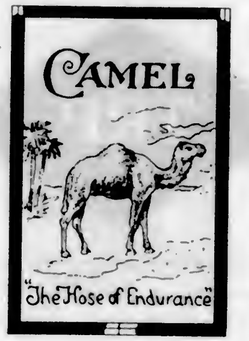
Particular description of goods.—Banjos, Banjo Ukuleles, Bows for Violins and Similar Musical Instruments, Clarinets, Clarinet Reeds, Double Basses, Drums, Drum Pedals, and Cymbals, Guitars, Mandolins, Mandolin Banjos, Metronomes, Mandolin and Tenor Banjo Picks, Reeds for Clarinets and Similar Musical Instruments, Saxaphones, Strings for Violins and Similar Musical Instruments, Ukuleles, Tenor Banjos, Tuners or Pitchpipes for Violins and Similar Musical Instruments, Violas, Violins, and Violoncellos.
Claims use since Dec. 14, 1925.

Ser. No. 225,606. (CLASS 39. CLOTHING.) E. L. GREENE KNITTING MILLS, INC., Bath, N. Y. Filed Jan. 7, 1926.

KNITJAC

Particular description of goods.—Men's, Women's, and Children's Sport Coats of Knit and Textile Fabrics.
Claims use since July 1, 1925.

Ser. No. 225,646. (CLASS 39. CLOTHING.) CAMPBELL KNITTING MILLS, INC., Jellico, Tenn. Filed Jan. 8, 1926.



No claim is made to the words "The Hose of Endurance" apart from the mark shown.
Particular description of goods.—Hosiery.
Claims use since October, 1924.

Ser. No. 226,052. (CLASS 15. OILS AND GREASES.) GOODWIN BROTHERS AUTOMOBILE COMPANY, New Castle, Ind. Filed Jan. 18, 1926.

No claim is made to the words "High Test" apart from the mark as shown.
Particular description of goods.—Gasoline.
Claims use since Dec. 5, 1925.

Ser. No. 226,184. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHAIN BELT COMPANY, Milwaukee, Wis. Filed Jan. 21, 1926.

REX
Q.D. CONVEYORS

The use of the word "Conveyers" apart from the association in which it is shown in the drawing is disclaimed.
Particular description of goods.—Conveyers and Material Elevators.
Claims use since about May 1, 1925.

Ser. No. 226,194. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HENRIETTA J. HEMPEL, Buffalo, N. Y. Filed Jan. 21, 1926.

SYLO

Particular description of goods.—Pessary.
Claims use since about Dec. 20, 1924.

Ser. No. 226,272. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN D. ALLAN, doing business as O-J Manufacturing Company, Muncie, Ind. Filed Jan. 23, 1926.

O-J

Particular description of goods.—Liquid Cleaner for Tapestry, Upholstering, Clothing, and the Like.
Claims use since January, 1925.

Ser. No. 226,408. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GAYLORD WILSHIRE, doing business as The Iona Company, Los Angeles, Calif. Filed Jan. 25, 1926.

IONACO

Particular description of goods.—Electromagnetic Therapeutic Appliances—Namely, Life Belt and Heat Pad.
Claims use since July 1, 1925.

Ser. No. 226,546. (CLASS 38. PRINTS AND PUBLICATIONS.) THE INDEPENDENT PUBLISHING CO., Washington, D. C. Filed Jan. 28, 1926.

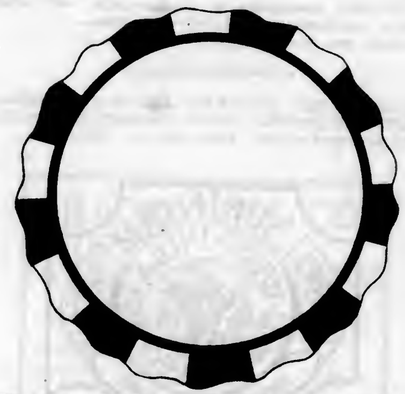
The National Farm News

Particular description of goods.—Weekly Newspaper.
Claims use since Dec. 26 1925.

Ser. No. 226,578. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed Jan. 28, 1926.

Applicant disclaims the right to the exclusive use of the word "Standard" apart from the mark as shown.
Particular description of goods.—Fishing Lines.
Claims use since Aug. 1, 1923.

Ser. No. 226,595. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ORANGE CRUSH COMPANY, Chicago, Ill. Filed Jan. 29, 1926.



The mark consists of alternate black and white stripes arranged vertically on the skirt of the bottle crown, no claim being made to the representation of the bottle crown.
Particular description of goods.—Nonalcoholic, Maltless, and Noncereal Beverages and Compounds, Sirups, and Concentrates for Making Such Beverages.
Claims use since about July 1, 1925.

Ser. No. 226,602. (CLASS 39. CLOTHING.) SAM PRESBERGER, St. Louis, Mo. Filed Jan. 29, 1926.

PAUNEE BILL
THE
BLIND
TIE MAN

Particular description of goods.—Neckties.
Claims use since about Apr. 1, 1925.

Ser. No. 226,605. (CLASS 37. PAPER AND STATIONERY.) FRANK SQUIER, doing business as The Frank Squier Paper Company, New York, N. Y. Filed Jan. 29, 1926.

No claim is made to the exclusive use of the word "Papers" apart from the mark shown.

Particular description of goods.—Bond and Ledger Papers for Writing and Printing Purposes.

Claims use since Aug. 27, 1924.

Ser. No. 226,612. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAREL LEENDERT TOMSON, Rotterdam, Netherlands. Filed Jan. 29, 1926.

No claim to exclusive use of the language forming part of trade-mark apart from the mark as shown.

Particular description of goods.—Canned Fruits.

Claims use since September, 1925.

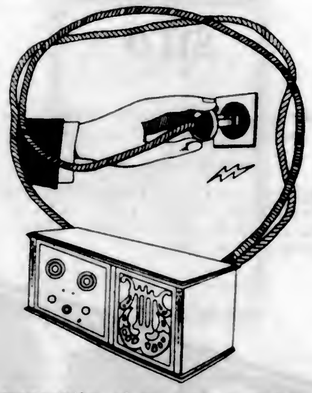
Ser. No. 226,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOS ANGELES CREAMERY CO., Los Angeles, Calif. Filed Jan. 30, 1926.

L-A

Particular description of goods.—Eggs, Ice Cream, Dairy Products—Namely, Fresh and Condensed Milk, Butter, Buttermilk, and Cheese.

Claims use since 1909.

Ser. No. 226,678. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LOUIS T. PAULSON, doing business as World Electric Company, Los Angeles, Calif. Filed Jan. 30, 1926.



The representation of the goods is disclaimed except in the form and relation shown in the drawing.

Particular description of goods.—Radio Receiving Sets and Parts Thereof, Radio Battery Eliminators, and Wall Sockets.

Claims use since Mar. 1, 1925.

Ser. No. 226,703. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. Filed Jan. 30, 1926.

WISSCO

Particular description of goods.—Card Clothing.

Claims use since Nov. 15, 1925.

Ser. No. 226,736. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PARKER BROTHERS, Portland, Me., and Salem, Mass. Filed Feb. 1, 1926.

THE OLD SWIMMIN' HOLE

Particular description of goods.—Games, and in Particular a Board Game for Children Played with a Series of Four Different-Colored Puzzle Cards.

Claims use since Aug. 1, 1925.

Ser. No. 226,879. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN G. BLACK, doing business as Warren G. Black Company, Cleveland, Ohio. Filed Feb. 5, 1926.

BLACK CHARGER

Particular description of goods.—Oil Concentrate to Be Used in Gasoline.

Claims use since on or about June 1, 1925.

Ser. No. 226,880. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN G. BLACK, doing business as Warren G. Black Company, Cleveland, Ohio. Filed Feb. 5, 1926.

BLACK CHARGER

Particular description of goods.—Oil Concentrate to Be Used in Gasoline.

Claims use since on or about June 1, 1925.

Ser. No. 226,882. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRIEDRICH WILHELM GUSTAV BRUHN, Berlin-Wilmersdorf, Germany. Filed Feb. 5, 1926. Under ten-year proviso.

„Bruhn"

Particular description of goods.—Tuximeters, Speedometers With and Without Registering Devices, Kilometer Counters, Apparatus for Ascertaining the Efficiency of Working Engines, Measuring Instruments for Indicating and Registering the Time Consumed, the Distance Traveled, and the Speed of Power Vehicles and Clocks.

Claims use since February, 1890.

Ser. No. 226,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Feb. 5, 1926.

Pillsbury's REY DEL NORTE

Particular description of goods.—Flour Made from Wheat.

Claims use since October, 1924.

Ser. No. 226,975. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAY THOMAS, INC., Los Angeles, Calif. Filed Feb. 6, 1926.

The drawing is lined to show the circular figure in orange with a circular blue center circumscribed by a narrow blue circular band or line and the words "Voice Tested" in orange within the blue center.

Particular description of goods.—Radiotubes.

Claims use since Aug. 1, 1925.

Ser. No. 227,019. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE & TOOL CO., Charleston, W. Va. Filed Feb. 8, 1926.

All wording appearing on the drawing with the exception of the words "Union Tool Co." being disclaimed apart from the mark shown.

Particular description of goods.—Axes, Hatchets, and Hammers.

Claims use since Aug. 1, 1925.

Ser. No. 227,145. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE STANLEY WORKS, New Britain, Conn. Filed Feb. 10, 1926.

"SILK"

Particular description of goods.—Cold-Rolled Flat Strip Steel.

Claims use since July, 1925.

Ser. No. 227,147. (CLASS 39. CLOTHING.) VICTOR L. SUSSBERG, doing business as The Wellmade Petticoat Co., New York, N. Y. Filed Feb. 10, 1926.

"Sunray"

"Sunray."

Particular description of goods.—Silk Petticoats, Slips, and Bloomers.

Claims use since Jan. 6, 1926.

Ser. No. 227,149. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAMS AND WALKER, doing business as Mar-Va-Sol Pharmacial Co., Seattle, Wash. Filed Feb. 10, 1926.

MAR·VA·SOL

Particular description of goods.—Liquid and Pill Preparation for Rheumatism.

Claims use since Nov. 25, 1925.

Ser. No. 227,152. (CLASS 12. CONSTRUCTION MATERIALS.) STORM WATERPROOFING CORPORATION, New York, N. Y. Filed Feb. 10, 1926.

STORMTITE

Particular description of goods.—Liquid and Plastic Surface-Coating Waterproofing Materials to Be Used on Roofs and Masonry Surfaces.

Claims use since about July, 1912.

Ser. No. 227,184. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAMUEL C. NEWNES, Placentia, Calif. Filed Feb. 11, 1926.

PAN-GING-GEE

Particular description of goods.—Game of Chance—Namely, an Advertising Punch Board.

Claims use since Feb. 3, 1923.

Ser. No. 227,194. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MCINTOSH ELECTRICAL CORPORATION, Chicago, Ill. Filed Feb. 11, 1926.

THE BIOLITE

Particular description of goods.—Electrical Lamp for Therapeutic Application of the Infra-Red Rays and Other Emanations.

Claims use since Jan. 29, 1926.

Ser. No. 227,238. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JEAN U. KOREE, New York, N. Y., assignor, by mesne assignments, to American Blade Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 12, 1926.

ABC

Particular description of goods.—Safety-Razor Blades.

Claims use since December, 1925.

Ser. No. 227,240. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MAESER FUR FARMS INC., Hackensack, Minn. Filed Feb. 12, 1926.

MASCOT
THE SUPER FOX
TRADE MARK
MAESER FUR FARMS INC.

The words "Trade Mark," "Maeser Fur Farms Inc.", and "Hackensack, Minnesota" are disclaimed and the words "The Super Fox" and the representation of a fox are disclaimed apart from the mark as shown.

Particular description of goods.—Live Foxes.

Claims use since June, 1923.

Ser. No. 227,264. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Feb. 13, 1926.

AMERICAN GIRL

Particular description of goods.—Sewing Machines.

Claims use since Jan. 20, 1926.

Ser. No. 227,302. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HARRY GOLDSTEIN, New York, N. Y. Filed Feb. 15, 1926.

BANNER

Particular description of goods.—Watches.

Claims use since Jan. 19, 1926.

Ser. No. 227,321. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK J. NORTON, doing business as Frank J. Norton & Co. and Frank J. Norton & Company, Sutherlin, Oreg. Filed Feb. 15, 1926.

Vision

Particular description of goods.—Canned Fruits, Berries, and Vegetables.

Claims use since Sept. 19, 1925.

Ser. No. 227,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHREDDED WHEAT COMPANY, Niagara Falls, N. Y. Filed Feb. 18, 1926.

Applicant disclaims exclusive right to the representation of two biscuits apart from the mark shown in the drawing.

Particular description of goods.—Biscuits, Crackers, and Cereal Foods Cooked or Prepared for Consumption.

Claims use since Sept. 15, 1909.

Ser. No. 227,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY C. ANDERSON, doing business as Wonder Products Company, Athens, Ga. Filed Feb. 19, 1926.

JUCENTA

Particular description of goods.—General Tonic.

Claims use since Oct. 23, 1925.

Ser. No. 227,523. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE KLEIN MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Feb. 19, 1926.

GAS-O-MIZER

Particular description of goods.—Fuel-Saving Device for Internal-Combustion Engines.

Claims use since Jan. 30, 1926.

Ser. No. 227,564. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLUEFIELD COAL & COKE COMPANY, Bluefield, W. Va. Filed Feb. 20, 1926.

GENUINE
RED-ASH-COAL
THE
OF
GOOD-COAL

The exclusive use of the words "Genuine Red Ash" and "Good Coal" are disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since 1915.

Ser. No. 227,631. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. CLEMENS HORST CO., San Francisco, Calif. Filed Feb. 25, 1926.

★★★
THREE STAR

Particular description of goods.—Hops.

Claims use since Apr. 1, 1914.

Ser. No. 227,639. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TOBE C. DEUTSCHMANN, Boston, Mass. Filed Feb. 23, 1926.

TOBE

Particular description of goods.—Wires, Cables, Jacks, Plugs, Fixed Condensers, Variable Condensers, By-Pass Condensers, Transformers, Grid Leaks, Loop Antennæ, Loud Speakers, Loud-Speaker Units, Head Phones, Batteries, Battery Cords, Loop Cords, Switches, Assembled-Unit Rectifiers for Battery Charging, Battery Eliminators, and for Adapting a Power Current for Use in Place of Antennæ, X-Ray Tubes, Electron Tubes, Radio Receiving Sets, Porcelain Insulators, Couplers, Variometers, Microphones, Crystal Detectors, Rheostats, Dials, Phone Cords, Motors, Dynamos, and Insulators.

Claims use since Aug. 1, 1925.

Ser. No. 227,646. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FRESHIE CO. INC., New York, N. Y. Filed Feb. 23, 1926.

Doo-Dabs

Particular description of goods.—Fibrous Material Treated With a Facial Paste.
Claims use since Feb. 10, 1926.

Ser. No. 227,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT BRANDT, Trenton, N. J. Filed Feb. 24, 1926.

BEN-DIX

Particular description of goods.—Healing Ointment.
Claims use since July 22, 1925.

Ser. No. 227,739. (CLASS 39. CLOTHING.) GERTRUD GOETZE, née EVERS, Furstenwalde on the Spree, Germany. Filed Feb. 24, 1926.

Mensana

Particular description of goods.—Ladies' Underwear of Textile Fabric.
Claims use since September, 1925.

Ser. No. 227,781. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ENCO ELECTRIC NOV. CO. INC., New York, N. Y. Filed Feb. 25, 1926.

ENCO

Particular description of goods.—Radiobatteries.
Claims use since Jan. 1, 1916.

Ser. No. 227,816. (CLASS 39. CLOTHING.) TUTELMAN & KOHN, Philadelphia, Pa. Filed Feb. 25, 1926.

LAY-RITE

Particular description of goods.—Soft Collars Attached or Detached.
Claims use since Dec. 15, 1925.

Ser. No. 227,836. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GRIFFIN & BOWEN, INC., New York, N. Y. Filed Feb. 26, 1926.

POWERLITE

Particular description of goods.—Lamp-House Structures, Including Light-Projecting and Arc-Light-Regulating Means for Motion-Picture Projectors.
Claims use since Sept. 1, 1925.

Ser. No. 227,873. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Feb. 27, 1926.

Particular description of goods.—Textile Articles—Namely, Hosiery.
Claims use since June 20, 1922.

Ser. No. 227,921. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Filed Feb. 27, 1926.

"RED SPINDLE"

No claim is made to the word "Spindle" apart from the mark shown.
Particular description of goods.—Stove Dampers and Spindles Therefor.
Claims use since Dec. 8, 1925.

Ser. No. 227,936. (CLASS 2. RECEPTACLES.) CHAMPION PNEUMATIC MACHINERY COMPANY, Chicago, Ill. Filed Mar. 1, 1926.

CHAMPION AIR COMPRESSOR

Applicant disclaims the right to the exclusive use of the words "Air Compressor" except as used in connection with the mark as shown in the drawing.
Particular description of goods.—Air-Compressor Tanks.
Claims use since Nov. 3, 1921.

Ser. No. 227,968. (CLASS 39. CLOTHING.) SHOREWOOD MILLS, Milwaukee, Wis. Filed Mar. 1, 1926.

Shorewood

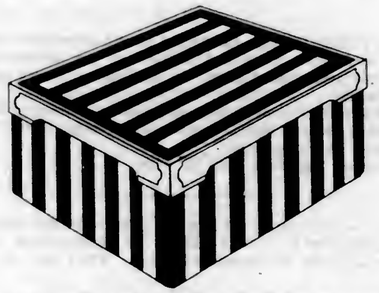
Particular description of goods.—Underwear of Knitted and Textile Fabrics and Infants' Wrappers.
Claims use since Sept. 1, 1919.

Ser. No. 227,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS CITRUS FRUIT GROWERS' EXCHANGE, Mission, Tex. Filed Mar. 1, 1926.

TexaSweet

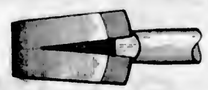
Particular description of goods.—Fresh Citrous Fruits—Namely, Grapefruit, Oranges, Lemons, Tangerines; Canned Citrous Fruits—Namely, Canned Grapefruit, Orange Marmalade, and Grapefruit Marmalade.
Claims use since Sept. 10, 1925.

Ser. No. 227,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID T. FARROW, doing business as D. T. Farrow Chickeries, Peoria, Ill. Filed Mar. 1, 1926.



The mark consists of alternate purple and buff stripes upon the top and sides of said box.
Particular description of goods.—Baby Chicks.
Claims use since about Feb. 15, 1926.

Ser. No. 227,990. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EVANSVILLE TOOL WORKS, INC., Evansville, Ind. Filed Mar. 2, 1926.



No claim is made of any rights in the shape of the claw hammer or in the polishing thereof except in the combination therewith of tip portions of the claw colored red. The mark consists in a polished claw hammer having the tip portions of the claw painted or otherwise colored red.
Particular description of goods.—Carpenters' Polished Claw Hammers.
Claims use since July 13, 1925.

Ser. No. 228,015. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WEIL-OSTERMANN PRODUCTS COMPANY, Kansas City, Mo. Filed Mar. 2, 1926.

SYLVANOL

Particular description of goods.—Preparation for Coloring and Clarifying Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 1, 1925.

Ser. No. 228,064. (CLASS 15. OILS AND GREASES.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Mar. 3, 1926.

SURE

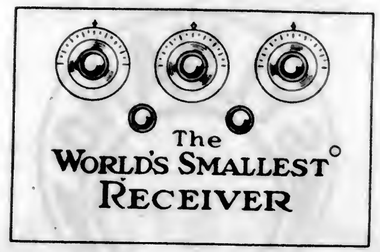
Particular description of goods.—Lubricating Oils and Greases.
Claims use since Oct. 12, 1922.

Ser. No. 228,094. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. J. DOWD KNIFE WORKS, Beloit, Wis. Filed Mar. 4, 1926.

R.J DOWD·KNIFE·WORKS
·EST'B·
MACHINE KNIVES
1847
·BELOIT·WIS·

No claim is made to the words "R. J. Dowd Knife Works," "Machine Knives," and "Beloit, Wis." apart from the mark shown.
Particular description of goods.—Machine Knives.
Claims use since February, 1906.

Ser. No. 228,099. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) IRVING H. FISHELOV, doing business as H. Fishelov & Co., Chicago, Ill. Filed Mar. 4, 1926.



The border line shown on the drawing forms no part of the trade-mark and is disclaimed.

Particular description of goods.—Novelty Toys—Namely, Miniature Toilet Sets Including Toilet Bowls, Seats, and Covers.

Claims use since Jan. 1, 1924.

Ser. No. 228,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. HORACE SOMERS, doing business as Blue Seal Supply Co., Chicago, Ill., and Denver, Colo. Filed Mar. 4, 1926. Under ten-year proviso.

Particular description of goods.—Vaginal Suppositories.

Claims use since Jan. 1, 1885.

Ser. No. 228,183. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREED-EISEMANN RADIO CORPORATION, Brooklyn, N. Y. Filed Mar. 5, 1926.

PAN-PHONETIC

Particular description of goods.—Loud Speakers.

Claims use since Feb. 24, 1926.

Ser. No. 228,201. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM C. SCHWARTZ, Manheim Township, Lancaster County, Pa. Filed Mar. 5, 1926.

No claim is made to the use of the descriptive matter or applicant's name and address or the representation of the trees apart from the trade-mark shown in the drawing.

Particular description of goods.—Nursery Stocks, Seeds, Plants, Bulbs, Ornamental Shade Trees, Fruit Trees, and Evergreens.

Claims use since Feb. 10, 1926.

Ser. No. 228,240. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE HARDWARE SPECIALTIES MANUFACTURING CO., Stratford, Conn. Filed Mar. 6, 1926.

AMPHION

Particular description of goods.—Service Trays.

Claims use since Jan. 26, 1926.

Ser. No. 228,249. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KAY BEE MANUFACTURING CO., Los Angeles, Calif. Filed Mar 6, 1926.

No claim is made to the word "Trade-Mark" nor to the representation of a feature of the goods.

Particular description of goods.—Electrically-Illuminated Automobile Lamps.

Claims use since Aug. 1, 1924.

Ser. No. 228,294. (CLASS 39. CLOTHING.) BONWIT TELLER & CO., New York, N. Y. Filed Mar. 8, 1926.

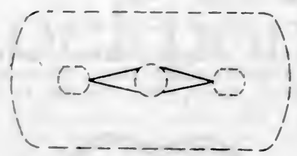
Vicomtesse Henri de Janzé

The mark consists of the facsimile signature of Vicomtesse Henri de Janze.

Particular description of goods.—Women's and Misses' Sport Apparel—Namely, Suits, Coats, Sweaters, and Hats.

Claims use since Feb. 1, 1926.

Ser. No. 228,311. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Mar. 8, 1926.



The dotted outline showing the razor blade is not a part of the trade-mark.

Particular description of goods.—Safety-Razor Blades.

Claims use since Aug. 1, 1920.

Ser. No. 228,354. (CLASS 32. FURNITURE AND UPHOLSTERY.) BENEDICT METAL WORKS, INC., New York, N. Y. Filed Mar. 9, 1926.

HELICAN

Particular description of goods.—Coil-Protecting Devices for Bed Springs.

Claims use since Jan. 8, 1926.

Ser. No. 228,363. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) DELUXE REPRODUCING ROLL CORPORATION, New York, N. Y. Filed Mar. 9, 1926.

Particular description of goods.—Perforated Music Rolls for Automatic or Player Pianos.

Claims use since February, 1925.

Ser. No. 228,418. (CLASS 39. CLOTHING.) ENTERPRISE & CENTURY UNDERGARMENT CO. INC., New York, N. Y. Filed Mar. 10, 1926.

No claim is made for the exclusive use of the word "Brand" apart from the mark as shown.

Particular description of goods.—Hosiery and Women's Underwear Made of Knitted and Woven Fabric.

Claims use since Oct. 1, 1925.

Ser. No. 228,438. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed, Mar. 10, 1926.

Particular description of goods.—Pastes and Powders for Beautifying the Teeth, Skin, and Hair, and Perfumery.

Claims use since 1890.

Ser. No. 228,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHEMISCHE WERKE GRENZACH AKTIENGESELLSCHAFT, Grenzach, Germany. Filed Mar. 11, 1926.

Salabrose

Particular description of goods.—Food for Diabetes.

Claims use since July 21, 1925.

Ser. No. 228,485. (CLASS 39. CLOTHING.) CLARENCE F. SACKETT, Denver, Colo. Filed Mar. 11, 1926.

Particular description of goods.—Women's Dresses and Lingerie.

Claims use since Feb. 1, 1926.

Ser. No. 228,507. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) UNEXCELLED MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 11, 1926.

No claim is made to the use of the words "Flash Salute" and the representation of the goods apart from the mark shown in the drawing.

Particular description of goods.—Firecrackers.

Claims use since Jan. 1, 1926.

Ser. No. 228,509. (CLASS 12. CONSTRUCTION MATERIALS.) VENDOR SLATE COMPANY, Easton, Pa. Filed Mar. 11, 1926.

Verdelite
Unfading
Green

No claim is made to the words "Unfading" or "Green" apart from the mark shown on the drawing.

Particular description of goods.—Roofing Slate.

Claims use since about Jan. 1, 1921.

Ser. No. 228,523. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 12, 1926.

SEALKIN

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since Oct. 4, 1911.

Ser. No. 228,532. (CLASS 37. PAPER AND STATIONERY.) FIELD-ERNST ENVELOPE COMPANY, San Francisco, Calif. Filed Mar. 12, 1926.

TAMALPAIS

Particular description of goods.—Mailing Envelopes.

Claims use since June 15, 1920.

Ser. No. 228,536. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE FRY ART CO., New York, N. Y. Filed Mar. 12, 1926.

FABRICOLOR

Particular description of goods.—Prepared Colors, Dry and Ready-Mixed Paints.

Claims use since Jan. 2, 1926.

Ser. No. 228,537. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GATES CHEMICAL COMPANY, Denver, Colo. Filed Mar. 12, 1926.

The words "Superior" and "Certified" are disclaimed apart from the mark shown.

Particular description of goods.—Cleaning and Scouring Preparation for General Purposes.

Claims use since Jan. 20, 1926.

Ser. No. 228,542. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HYGIENIC WIRE WORKS LTD., London, England. Filed Mar. 12, 1926.

TILOKS

Particular description of goods.—Metal Tiles for Use as Wall Slabs or Splashers.

Claims use since Oct. 19, 1925.

Ser. No. 228,568. (CLASS 5. ADHESIVES.) THE SELVASIZE COMPANY, St. Paul, Minn. Filed Mar. 12, 1926.

No claim is made to the exclusive right to the use of the word "Size" apart from the mark shown.

Particular description of goods.—Sizing for Walls to be Mixed in Paperhangers' Paste.

Claims use since Nov. 1, 1925.

Ser. No. 228,575. (CLASS 12. CONSTRUCTION MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

Lockpore

Particular description of goods.—Coating for Walls Consisting of a Transparent Colorless Fluid Designed to Harden Building Materials, Overcome Lime Stains, and Prevent Disintegration and Fluorescence.

Claims use since about January, 1903.

Ser. No. 228,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT P. HUBBARD, doing business as Old Mother Hubbard Dog Food Company, Gloucester, Mass. Filed Mar. 13, 1926.

The words "Dog Food Company" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Dog Foods.

Claims use since Jan. 1, 1926.

Ser. No. 228,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE PARISIENNE D'ESSENCES RARES ET DE PARFUMS, Paris, France. Filed Mar. 13, 1926.

A TRAVERS LA VOILETTE

Particular description of goods.—Perfumery.

Claims use since on or about Dec. 5, 1923.

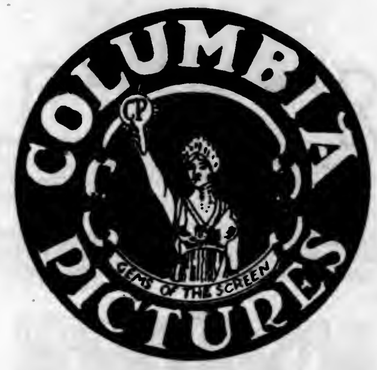
Ser. No. 228,646. (CLASS 46. FOODS AND INGREDIENTS OF FOOD.) CHICKASHA MILLING COMPANY, Chickasha, Okla. Filed Mar. 15, 1926.

FULL CREAM

Particular description of goods.—Wheat Flour.

Claims use since December, 1899.

Ser. No. 228,647. (CLASS 26, MEASURING AND SCIENTIFIC APPLIANCES.) COLUMBIA PICTURES CORPORATION, New York, N. Y. Filed Mar. 15, 1926.



No claim is made to the word "Pictures" except as used in conjunction with the other features of the mark.

Particular description of goods.—Moving Pictures.

Claims use since January, 1924.

Ser. No. 228,742. (CLASS 39, CLOTHING.) EDWARD W. BULLARD, doing business as E. D. Bullard Co., San Francisco, Calif. Filed Mar. 17, 1926.

Applicant disclaims all right to exclusive use of the pictorial representation of the cap except in the particular arrangement and association in which it appears in the drawing.

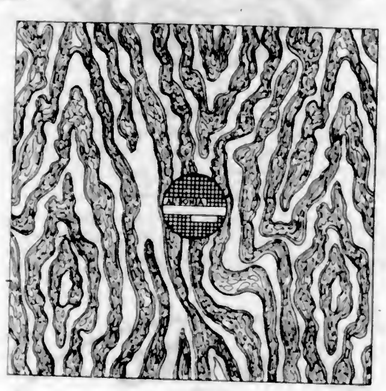
Particular description of goods.—Protective Hats and Caps for Men, Women, and Children to Protect the Head of the Wearer From Injury.

Claims use since on or about January, 1920.

Ser. No. 228,768. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 17, 1926.

Particular description of goods.—Soaps—Namely, Soaps in Cake, Paste, and Powder Form.
Claims use since July, 1905.

Ser. No. 228,770. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 17, 1926.



Particular description of goods.—Soaps—Namely, Soaps in Cake, Paste, and Powder Form.
Claims use since July, 1905.

Ser. No. 228,851. (CLASS 39. CLOTHING.) EDWARD I. HAFT & CO., INC., New York, N. Y. Filed Mar. 19, 1926.

"HAFCO"

Particular description of goods.—Ladies', Misses', and Children's Hats.
Claims use since Nov. 12, 1924.

Ser. No. 228,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KENNEDY PRODUCTS CO., Gloversville, N. Y. Filed Mar. 19, 1926.

No claim is made to the use of the words "Dr. Kennedy's" or "An External Remedy for Nature's Aches and Pains" apart from the mark shown in the drawing.
Particular description of goods.—Medicinal Preparation in the Nature of a Counter-Irritant for Bodily Aches and Pains, to be Used Externally.
Claims use since Feb. 2, 1926.

Ser. No. 228,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO PROBST, Sardis, Ohio. Filed Mar. 19, 1926.

No claim is made to the word "Probst" apart from the mark as shown.
Particular description of goods.—Healing Ointment.
Claims use since Jan. 2, 1926.

Ser. No. 228,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA C. REEDER, New York, N. Y. Filed Mar. 19, 1926. Under 10-year proviso.

Particular description of goods.—Skin Lotion.
Claims use since Dec. 8, 1891.

Ser. No. 228,947. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STEWART PAINT MFG. CO., Minneapolis, Minn. Filed Mar. 20, 1926.

No claim is made to the geographical term "Minnesota" apart from the mark as shown.
Particular description of goods.—Barn Paint.
Claims use since Feb. 1, 1926.

Ser. No. 228,974. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHICAGO CHERO-COLA BOTTLING CO., Chicago, Ill. Filed Mar. 22, 1926.

BIG BEN

"Big Ben."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz., All Flavors.
Claims use since Oct. 5, 1925.

Ser. No. 229,032. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GEORGE K. KALE MFG. COMPANY, Philadelphia, Pa. Filed Mar. 23, 1926.

MONOGRAM

BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Bone Buttons.
Claims use since Feb. 26, 1924.

Ser. No. 229,045. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 23, 1926.

SUPRE-MACY

Particular description of goods.—Golf Balls.
Claims use since Feb. 24, 1926.

Ser. No. 229,050. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed Mar. 23, 1926.

Queen Quality
Osteos

Particular description of goods.—Men's, Women's and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, Felt, Silk, Cloth, or Other Fabric Construction.
Claims use since Feb. 25, 1926.

Ser. No. 229,095. (CLASS 38. PRINTS AND PUBLICATION.) EXPERIMENTER PUBLISHING COMPANY, New York, N. Y. Filed Mar. 24, 1926.

500 RADIO WRINKLES

Particular description of goods.—Magazine Issued Every Three Months.
Claims use since Feb. 1, 1926.

Ser. No. 229,128. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 24, 1926.

PAY CAR

Particular description of goods.—Overalls and Work Clothes—Viz., Work Pants, Shirts, and Jumpers.
Claims use since Feb. 17, 1926.

Ser. No. 229,176. (CLASS 15. OILS AND GREASES.) GALENA-SIGNAL OIL COMPANY, OF TEXAS, Houston, Tex. Filed Mar. 25, 1926.

TUCAN

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Mar. 11, 1926.

Ser. No. 229,180. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Mar. 25, 1926.

UP TO DATE

Particular description of goods.—Mouth Harmonicas and Accordions.
Claims use since 1897.

Ser. No. 229,212. (CLASS 39. CLOTHING.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed Mar. 26, 1926.

BIG MAGINNIS

The use of the word "Maginnis" is disclaimed apart from the particular mark shown.
Particular description of goods.—Workshirts, Overalls, Jackets, Pants, Suits, Vests, Coats, Jumpers, Unionalls, Coveralls, and Play Suits for Men and Children.
Claims use since on or about Aug. 1, 1925.

Ser. No. 229,215. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHARLES CALANDRA, doing business as Calandra Brothers, Buffalo, N. Y. Filed Mar. 26, 1926.

Neverlate

Particular description of goods.—Nonalcoholic, Maltless Beverages.
Claims use since Mar. 1, 1926.

Ser. No. 229,221. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATT DZIADULEWICZ, doing business as Buko Company, Chicago, Ill. Filed Mar. 26, 1926.

BirchBark

Particular description of goods.—Dandruff Remover and Hair Tonic.
Claims use since about Sept. 15, 1925.

Ser. No. 229,224. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) M. J. FRANK & COMPANY, INC., New York, N. Y. Filed Mar. 26, 1926.

ON-MY-LAP

Particular description of goods.—Dolls.
Claims use since Jan. 2, 1926.

Ser. No. 229,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES L. HOYT, doing business as Snap Fly Dope Company, Springfield, Mass. Filed Mar. 26, 1926.

SNAP FLY DOPE

Applicant disclaims exclusive right to the words "Fly Dope" apart from the mark as shown in the drawing.
Particular description of goods.—Insect Repellent.
Claims use since Mar. 22, 1926.

Ser. No. 229,235. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL CIGAR MACHINERY COMPANY, New York, N. Y. Filed Mar. 26, 1926.

Particular description of goods.—Cigar-Making Machinery and Parts Thereof.
Claims use since Dec. 8, 1925.

Ser. No. 229,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PERRY G. MASON COMPANY, Cincinnati, Ohio. Filed Mar. 26, 1926.

MASON Real-Pure

No claim is made to the words "Mason" and "Real Pure" apart from the mark as shown in the drawing.
Particular description of goods.—Arnica and Witch-Hazel Salve, Aspirin, Blood Tonic and Purifier, Castor Oil, Children's Cough Sirup, Digestive Tablets, Double-Distilled Witch-Hazel, Epsom Salts, Family Liniment, Glycerin, Kidney Compound, Laxative Cold and Grippe Tablets, Laxative for Children, Laxative Sirup (Pepsinated), Little Liver Pills, Liver and Bowel Laxative Tablets, Milk of Magnesia, Mineral Oil, Mouth Wash, Cod Liver-Oil Tonic, Rheumatic Compound, Rubbing Alcohol, Soda-Mint Tablets, Toothache Drops, Vegetable Compound, and White Pine and Tar Cough Sirup.
Claims use since Feb. 1, 1926.

Ser. No. 229,252. (CLASS 17. TOBACCO PRODUCTS.) ROTH TOBACCO CO., Cape Girardeau, Mo. Filed Mar. 26, 1926.

TRUE CHEW

Particular description of goods.—Twist Tobacco.
Claims use since Jan. 1, 1901.

Ser. No. 229,264. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN STEEL LADDER CO., Sanford, Me. Filed Mar. 27, 1926.

SNOW PLANE

Particular description of goods.—Sleds.
Claims use since Feb. 10, 1925.

Ser. No. 229,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKEL & SMITH INC., Boston, Mass. Filed Mar. 27, 1926.

FRANQUELLE

Particular description of goods.—Face Powders, Toilet Waters, Beauty Preparations—Namely, Face Creams, Massage Creams, Rouge, Lip Stick, Eyebrow Pencils, Skin Lotions, Sachets, Bath Salts, Lavender Water; Hair Preparations—Namely, Hair Tonics, Shampoos, Pomades, Brilliantine, Liquid and Crystallized.
Claims use since about Mar. 15, 1926.

Ser. No. 229,286. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Mar. 27, 1926.

EX-EL

Particular description of goods.—Men's and Boys' Suits, Overcoats, Topcoats, Vests, and Trousers.
Claims use since Mar. 17, 1926.

Ser. No. 229,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. S. ALLEN CORPORATION, Brooklyn, N. Y. Filed Mar. 29, 1926.

Particular description of goods.—Candies.
Claims use since Mar. 1, 1925.

Ser. No. 229,320. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Mar. 29, 1926.

Rest-A-Foot

Particular description of goods.—Automobile Foot Accelerators.
Claims use since Feb. 5, 1926.

Ser. No. 229,321. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Mar. 29, 1926.

BLACKHAWK

Particular description of goods.—Automobile Foot Accelerators.
Claims use since Feb. 5, 1926.

Ser. No. 229,351. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MONROE CORPORATION, Emmett, Idaho. Filed Mar. 29, 1926.

SKY-PILE-IT

Particular description of goods.—Lumber Elevators.
Claims use since Mar. 31, 1924.

Ser. No. 229,366. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) VULCAN MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 29, 1926.

BUNGALOW

Particular description of goods.—Iron Machines and Attachments.
Claims use since Feb. 16, 1926.

Ser. No. 229,370. (CLASS 17. TOBACCO PRODUCTS.) HUDSON H. ANDERSON, doing business as Yaus Cigar Company, Newark, Ohio. Filed Mar. 30, 1926.

BEECHNUT

Particular description of goods.—Cigars.
Claims use since Jan. 1, 1918.

Ser. No. 229,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y. Filed Mar. 30, 1926.

Aztec

Particular description of goods.—Cotton Duck.
Claims use since Mar. 15, 1926.

Ser. No. 229,374. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y. Filed Mar. 30, 1926.

Navajo

Particular description of goods.—Cotton Duck.
Claims use since Mar. 15, 1926.

Ser. No. 229,383. (CLASS 39. CLOTHING.) GERBERICH PAYNE SHOE COMPANY, Mount Joy, Pa. Filed Mar. 30, 1926.

The pictures shown are merely fanciful, the surname "Gerberich's" and the words "Boys' Shoes" not being claimed apart from the other features of the mark.
Particular description of goods.—Boys' Shoes Made of Leather.
Claims use since Dec. 1, 1925.

Ser. No. 229,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. ANNIE ELIZABETH MURRMANN, Danville, Ill. Filed Mar. 30, 1926.

MURRMANN'S COMPOUND

The picture disclosed in the drawing is a facsimile of applicant's portrait. The word "Compound" is disclaimed apart from the other features of the mark shown.
Particular description of goods.—Medicine to be Used in the Treatment of Functional Disorders of the Lungs and Ailments Arising From Coughs and Colds.
Claims use since Mar. 18, 1926.

Ser. No. 229,402. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 30, 1926.

Particular description of goods.—Soaps—Namely, Soaps in Cake, Paste, and Powder Form.
Claims use since July, 1905.

Ser. No. 229,409. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y. Filed Mar. 30, 1926.

SELSI

Particular description of goods.—Clock and Watch Movements.
Claims use since Jan. 4, 1926.

Ser. No. 229,443. (CLASS 39. CLOTHING.) ALICE F. JAGOE, doing business as A. F. Jagoe, Bogota, N. J. Filed Mar. 31, 1926.

Creeperall

Particular description of goods.—Baby Rompers.
Claims use since Mar. 23, 1926.

Ser. No. 229,466. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLISHERS FISCAL CORP., New York, N. Y. Filed Mar. 31, 1926.

CLUES

"Clues."
Particular description of goods.—Magazine.
Claims use since Mar. 26, 1926.

Ser. No. 229,469. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ROYAL CARBONATING CO., Providence, R. I. Filed Mar. 31, 1926.

ROYAL KING

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverage, Sold as Soft Drinks—Viz., Ginger Ale.
Claims use since October, 1925.

Ser. No. 229,518. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL SERVICE BUREAU OF NEW YORK, INC., New York, N. Y. Filed Apr. 1, 1926.

The SACHEM

Particular description of goods.—Periodical.
Claims use since on or about Jan. 6, 1926.

Ser. No. 229,556. (CLASS 39. CLOTHING.) THE BOB FULTON SHOE COMPANY, Columbus, Ohio. Filed Apr. 2, 1926.

Bob Fulton

Exclusive use of the surname "Fulton" is disclaimed apart from the mark shown.
Particular description of goods.—Men's Shoes Made of Leather.
Claims use since Feb. 2, 1926.

Ser. No. 229,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIGURD E. ROLL, doing business as The Norwegian Tasteless Cod Liver Oil Company of America, Chicago, Ill. Filed Apr. 2, 1926.

The words "Tasteless Cod Liver Oil" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Tasteless Cod-Liver Oil.
Claims use since Jan. 20, 1926.

Ser. No. 229,595. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, New York, N. Y. Filed Apr. 2, 1926.

The lining of drawing indicates the colors green and red.
Particular description of goods.—Gasoline.
Claims use since Mar. 3, 1926.

Ser. No. 229,605. (CLASS 39. COTHING.) VAN RAALTE CO. INC., New York, N. Y. Filed Apr. 2, 1926.

ILLUSION

Particular description of goods.—Women's, Misses', and Children's Silk Knitted Underwear.
Claims use since Mar. 24, 1926.

Ser. No. 229,622. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GILBERT SPRUANCE COMPANY, Philadelphia, Pa. Filed Apr. 3, 1926.

Particular description of goods.—Ready-Mixed Paint.
Claims use since Nov. 23, 1925.

Ser. No. 229,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. B. GOFF & SONS CO., Camden, N. J. Filed Apr. 3, 1926.

GOFF'S

The picture is a facsimile of a portrait of S. B. Goff, the originator and founder of applicant's business.

Particular description of goods.—White-Pine and Tar Compound, Bitters, Cough Sirup, Worm Sirup, Liniment for Man and Beast, Sugar-Coated Laxative Pills, Kidney Pills, Laxative Pills, Salve, and Indigestion and Laxative Tonic.

Claims use since Jan. 1872.

Ser. No. 229,624. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRANITEVILLE MANUFACTURING COMPANY, Graniteville, S. C. Filed Apr. 3, 1926.

The trade-mark consists of a picture of the Western Hemisphere surmounted by an eagle and a series of stars partially encircling the sphere.

Particular description of goods.—Bleached and Unbleached Sheetings.

Claims use since 1921.

Ser. No. 229,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. S. PIERCE CO., Boston, Mass. Filed Apr. 30, 1926.

The drawing is lined to indicate gold color, no claim being made to the words "Lionceau Paris" apart from the mark shown.

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Powder, and Bath Salt.

Claims use since Nov. 24, 1925.

Ser. No. 229,705. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RED STAR APPLIANCES, INC., Stamford, Conn. Filed Apr. 5, 1926.

Particular description of goods.—Mailing Marking Machines.

Claims use since about October, 1924.

Ser. No. 229,720. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM H. BEAUMONT, doing business as W. H. Beaumont & Son, New York, N. Y. Filed Apr. 6, 1926.

"VUEFRER"

Particular description of goods.—Cotton, Cotton and Linen, Linen, and Linen Gauze Fabrics in the Piece.

Claims use since Jan. 4, 1926.

Ser. No. 229,721. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM H. BEAUMONT, doing business as W. H. Beaumont & Son, New York, N. Y. Filed Apr. 6, 1926.

Particular description of goods.—Cotton, Cotton and Linen, Linen, and Linen Gauze Fabrics in the Piece.

Claims use since Jan. 4, 1926.

Ser. No. 229,722. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN S. BRIDGES, doing business as John S. Bridges & Co., Baltimore, Md. Filed Apr. 6, 1926. Under ten-year proviso.

"We Do It Quick."

Particular description of goods.—Printed Books, Pamphlets, Catalogues, Circulars, Business Cards, Brochures, Announcement Cards, Wedding Invitations, Engraved Cards, Programs, Menus, Tickets, Passes, Invitation Cards, Membership Cards, Coupon Books Without Blank Forms, Meal Tickets, Meal-Ticket Books, Mourning Cards, Christmas Cards, and Fraternal Notices.

Claims use since 1891.

Ser. No. 229,732. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y. Filed Apr. 6, 1926.

FWL

Particular description of goods.—Violin Bows.

Claims use since June 12, 1924.

Ser. No. 229,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RIZIK BROS., Washington, D. C. Filed Apr. 6, 1926.

FLEUR DIVINE

Particular description of goods.—Perfume and Toilet Water.

Claims use since Jan. 1, 1926.

Ser. No. 229,762. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRUVY, INC., New York, N. Y. Filed Apr. 6, 1926.

Night Shade

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Lip Sticks, Eyebrow Pencils, Incenses, and Sachets.

Claims use since Dec. 23, 1925.

Ser. No. 229,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARTESIA CREAM COMPANY, Waco, Tex. Filed Apr. 7, 1926.

ARTESIA

Particular description of goods.—Cream for the Complexion and Astringent Lotion.

Claims use since Jan. 1, 1897.

Ser. No. 229,802. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORIZA L. LEGRAND, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 7, 1926.

No exclusive claim is made to the word "Venise" apart from the mark shown.

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Eau de Cologne, and Lotion for the Skin and Hair.

Claims use since Oct. 16, 1925.

Ser. No. 229,816. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PYRIDIUM CORPORATION, New York, N. Y. Filed Apr. 7, 1926.

NEOPYRIDIUM

"Neopyridium."

Particular description of goods.—Pseudodiaminopyridineazophenylorthocarbonic Acid, Its Normal Isomer, and the Alkaline Salts of the Normal Acids.

Claims use since Mar. 22, 1926.

Ser. No. 229,817. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PYRIDIUM CORPORATION, New York, N. Y. Filed Apr. 7, 1926.

PYRIDIUM

"Pyridium."

Particular description of goods.—Azo Dyes of the Pyridine Series.

Claims use since Mar. 22, 1926.

Ser. No. 229,867. (CLASS 38. PRINTS AND PUBLICATIONS.) GLEN E. MAGNUSON, Galesburg, Ill. Filed Apr. 8, 1926.

THE RADIO LISTENER

Particular description of goods.—Monthly Publication.

Claims use since Jan. 1, 1926.

Ser. No. 229,903. (CLASS 15. OILS AND GREASES.) THE DUTCH MILL OIL AND SERVICE CO., St. Joseph, Mo. Filed Apr. 9, 1926.

Particular description of goods.—Gasoline, Lubricating Oils and Greases.

Claims use since Mar. 15, 1926.

Ser. No. 229,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. ROGERS, doing business as Rogelen Chemical Co., St. Louis, Mo. Filed Apr. 9, 1926.

Particular description of goods.—Hair Salve for Treating the Hair.

Claims use since Apr. 5, 1926.

Ser. No. 229,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DESITIN CHEMICAL CO., Providence, R. I. Filed Apr. 10, 1926.

DESITIN

Particular description of goods.—Medical Compound (Ointment) for Treatment of Wounds of any Description, Skin Diseases of any Description, Skin Abrasions, Bruises, Ulcers, X-Ray Ulcers, Carbuncles, Boils, Eczema, Sore and Chapped Skin, Coldsores, Bedsores, Sore Feet, Burns, Scalds, Sunburn, Windbite, Frostbite, Fissures of the Lips, External Inflammations, Balanitis, Rectal Irritation, Hemorrhoids, Poisonous Skin Infections, Insect Bites, to Cover Everything in Skin Surgery, Dermatology, Otology, Rhinology, Laryngology, and Pediatrics.

Claims use since Mar. 19, 1926.

Ser. No. 229,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS) DESITIN CHEMICAL CO., Providence, R. I. Filed Apr. 10, 1926.

Particular description of goods.—Medical Compound (Ointment) for Treatment of Wounds of any Description, Skin Diseases of any Description, Skin Abrasions, Bruises, Ulcers, X-Ray Ulcers, Carbuncles, Boils, Eczema, Sore and Chapped Skin, Coldsores, Bedsores, Sore Feet, Burns, Scalds, Sunburn, Windbite, Frostbite, Fissures of the Lips, External Inflammations, Balanitis, Rectal Irritation, Hemorrhoids, Poisonous Skin Infections, Insect Bites, to Cover Everything in Skin Surgery, Dermatology, Otology, Rhinology, Laryngology, and Pediatrics.

Claims use since Mar. 19, 1926.

Ser. No. 229,960. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HANDY DISTRIBUTING CORPORATION, New York, N. Y. Filed Apr. 10, 1926.

THE KANDY KID

Particular description of goods.—Vending Machines.

Claims use since Mar. 18, 1926.

Ser. No. 229,973. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Apr. 10, 1926.

GREAT STORIES!

Particular description of goods.—Monthly Magazine.

Claims use since Apr. 7, 1926.

Ser. No. 229,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGANS RESTORATIVE FOOD CORPORATION, New York, N. Y. Filed Apr. 10, 1926.

Trade-mark consists of a design or monogram composed of the letters "O R F C."

Particular description of goods.—Pharmaceutical Preparations Composed of Organ Substances for Feeding, Nourishing, and Restoring to Normalcy Starved, Undernourished, or Exhausted Vital Organs—to wit, Heart, Brain, Liver, Kidneys, Stomach, Intestines, and Pancreas.

Claims use since on or about Mar. 1, 1926.

Ser. No. 230,018. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Apr. 12, 1926.

For The Well Dressed Man

Particular description of goods.—Magazine Section.

Claims use since November, 1899.

Ser. No. 230,044. (CLASS 38. PRINTS AND PUBLICATIONS.) OUTDOOR ADVERTISING ASSOCIATION OF AMERICA, INC., Chicago, Ill. Filed Apr. 12, 1926.

Outdoor Advertising ASSOCIATION NEWS

"Outdoor Advertising Association News."

Particular description of goods.—Monthly Publication.

Claims use since Jan. 15, 1926.

Ser. No. 230,054. (CLASS 38. PRINTS AND PUBLICATIONS.) STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill. Filed Apr. 12, 1926.

HEADQUARTERS DISPATCH

Particular description of goods.—Periodical Publication.

Claims use since Jan. 15, 1926.

Ser. No. 230,055. (CLASS 38. PRINTS AND PUBLICATIONS.) STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill. Filed Apr. 12, 1926.

The Announcer

Particular description of goods.—Periodical Publication.

Claims use since Jan. 20, 1926.

Ser. No. 230,056. (CLASS 38. PRINTS AND PUBLICATIONS.) STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill. Filed Apr. 12, 1926.

NEWS METER

Particular description of goods.—Periodical Publication.

Claims use since Feb. 1, 1926.

Ser. No. 230,067. (CLASS 38. PRINTS AND PUBLICATIONS.) ROLDO MORTIMER WOOD, San Francisco, Calif. Filed Apr. 12, 1926.

WESTERN CANNER AND PACKER

Particular description of goods.—Monthly Trade Newspaper.

Claims use since October, 1909.

Ser. No. 230,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala. Filed Apr. 13, 1926.

FARMER BOY

Particular description of goods.—Cane Sirup for Food Purposes.

Claims use since Nov. 9, 1925.

Ser. No. 230,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRADLEY, SMITH CO., New Haven, Conn. Filed Apr. 13, 1926.

Penolia

Particular description of goods.—Peanut Butter.
Claims use since about 1892.

Ser. No. 230,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CANDY HOUSE, Seattle, Wash. Filed Apr. 13, 1926.

Particular description of goods.—Candy.
Claims use since Feb. 9, 1926.

Ser. No. 230,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHEMICAL SOLVENT CO., INC., New York, N. Y. Filed Apr. 13, 1926.

GLYCOHOL

Particular description of goods.—Substitute for Alcohol.
Claims use since Mar. 25, 1926.

Ser. No. 230,093. (CLASS 47. WINES.) EMPIRE STATE WINE COMPANY, Penn Yan, N. Y. Filed Apr. 13, 1926.

KISMET

Particular description of goods.—Wine.
Claims use since 1896.

Ser. No. 230,114. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUERBACKER COFFEE CO., INC., Louisville, Ky. Filed Apr. 13, 1926.

BUDDIES

Particular description of goods.—Coffee.
Claims use since September, 1921.

Ser. No. 230,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROLAND A. PLATE COMPANY, Chicago, Ill. Filed Apr. 13, 1926.

ZIMBO

Particular description of goods.—Candy.
Claims use since Mar. 26, 1926.

Ser. No. 230,124. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULER CHOCOLATE FACTORY, Winona, Minn. Filed Apr. 13, 1926.

PUDDIN' HEAD

Particular description of goods.—Candy.
Claims use since Mar. 15, 1926.

Ser. No. 230,141. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Apr. 13, 1926.

REPCO

"Repco."
Particular description of goods.—Files.
Claims use since November, 1921.

Ser. No. 230,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIAGARA MACARONI MANUFACTURING COMPANY, INC., Buffalo, N. Y. Filed Apr. 14, 1926.

SUNRISE

Particular description of goods.—Macaroni.
Claims use since October, 1925.

Ser. No. 230,210. (CLASS 49. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 15, 1926.

ROSESHEEN

Particular description of goods.—Woolen Dress Goods and Dress Fabrics of Silk and Wool and Cotton and Wool in the Piece.
Claims use since about Oct. 1, 1925.

Ser. No. 230,212. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 15, 1926.

DRASHEEN

Particular description of goods.—Woolen Dress Goods and Dress Fabrics of Silk and Wool and Cotton and Wool in the Piece.
Claims use since about Oct. 1, 1925.

Ser. No. 230,215. (CLASS 39. CLOTHING.) WILLIAM A. BADGER & CO., INC., New York, N. Y. Filed Apr. 15, 1926.

Badger

Particular description of goods.—Ladies' Wearing Apparel—Namely, Coats, Wraps, Suits, Dresses, and Skirts.
Claims use since May 1, 1925.

Ser. No. 230,219. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BEHRINGWERKE AKTIENGESELLSCHAFT, Marburg-Lahn, Germany. Filed Apr. 15, 1926.

Injizette

Particular description of goods.—Containers for Medicinal Substances, Which Containers Combine the Qualities of Ampuls and of Hypodermic Syringes.
Claims use since Oct. 1, 1925.

Ser. No. 230,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIO-LABRO PRODUCTS, INC., New York, N. Y. Filed Apr. 15, 1926.

Monitors

Particular description of goods.—Medicinal Digestive Deodorant and Corrective.
Claims use since Mar. 25, 1926.

Ser. No. 230,245. (CLASS 39. CLOTHING.) THE S. KANN SONS COMPANY, Washington, D. C. Filed Apr. 15, 1926.

"MERI-KAN"

Particular description of goods.—Women's Dresses.
Claims use since on or about Feb. 10, 1926.

Ser. No. 230,261. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PROGRESSIVE KNITTING WORKS, INC., Brooklyn, N. Y. Filed Apr. 15, 1926.

GLO-RAY

Particular description of goods.—Silk Fabrics and Artificial Silk Knitted in the Piece.
Claims use since August, 1925.

Ser. No. 230,263. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion and New York, N. Y. Filed Apr. 15, 1926.

NITRO EXPRESS

No claim is made to the word "Express" apart from the distinctive features of the mark as illustrated.
Particular description of goods.—Ammunition.
Claims use since Feb. 19, 1926.

Ser. No. 230,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Apr. 16, 1926.

Particular description of goods.—Macaroni.
Claims use since Mar. 9, 1926.

Ser. No. 230,291. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIACOMO FOTI, Philadelphia, Pa. Filed Apr. 16, 1926.

Rosa

Particular description of goods.—Olive Oil.
Claims use since Feb. 10, 1926.

Ser. No. 230,292. (CLASS 38. PRINTS AND PUBLICATIONS.) S. FRANKLIN & CO., Chicago, Ill. Filed Apr. 16, 1926.

OILPLAK

Particular description of goods.—Facsimile Oil Paintings.
Claims use since Mar. 27, 1926.

Ser. No. 230,295. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed Apr. 16, 1926.

SANISORB

Particular description of goods.—Catamenial Bandages.
Claims use since Dec. 18, 1925.

Ser. No. 230,296. (CLASS 39. CLOTHING.) MISS HOLLAND, Boston, Mass. Filed Apr. 16, 1926.

Particular description of goods.—Women's, Misses', and Childrens' Coats, Dresses, Gowns, Wraps, Waists, and Hats.
Claims use since Aug. 30, 1913.

Ser. No. 230,308. (CLASS 43. THREAD AND YARN.) PENNRICH & COMPANY, INC., New York, N. Y. Filed Apr. 16, 1926.

PECO GLOSSINE

Particular description of goods.—Synthetic Cuprammonium Yarn Made From Cotton Linter.
Claims use since January, 1926.

Ser. No. 230,336. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWARD A. GRENELLE, doing business as Davis Keyseater Company, Rochester, N. Y. Filed Apr. 17, 1926.

DAVIS

Particular description of goods.—Machines for Cutting Key Seats.
Claims use since March, 1883.

Ser. No. 230,360. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY A. SKINNER, doing business as Fountaine Laboratories, Binghamton and New York, N. Y. Filed Apr. 17, 1926.

YUNGSKIN

Particular description of goods.—Face Creams, Face Packs, Face Powders, Perfumes, Toilet Waters, Rouges, Lip Sticks, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deordorizing Preparations, Talcum Powders, Eyebrow Pencils, Bath Salts, Sachets, and Incense.
Claims use since April, 1924.

Ser. No. 230,368. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Apr. 17, 1926.

SPHINX

Particular description of goods.—Naphtha, Gasoline, and Benzine.
Claims use since Apr. 13, 1911.

Ser. No. 230,373. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZELTROCIDE CHEMICAL CORPORATION, Lakeland, Fla. Filed Apr. 17, 1926.

Particular description of goods.—Solution for Preserving Citrons Fruits.
Claims use since Aug. 1, 1925.

Ser. No. 230,382. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE CAPPEL FURNITURE CO., Dayton, Ohio. Filed Apr. 19, 1926.

Vitroleum

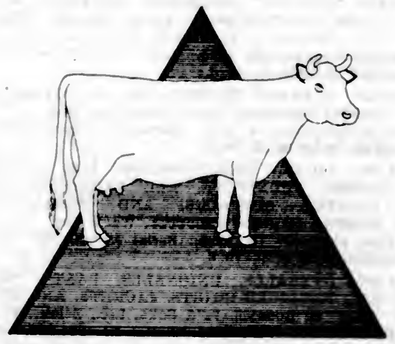
Particular description of goods.—Floor Covering of Fibrous Material Impregnated With Oil.
Claims use since Apr. 13, 1926.

Ser. No. 230,384. (CLASS 15. OILS AND GREASES.) CITIES SERVICE OIL COMPANY, Cleveland, Ohio. Filed Apr. 19, 1926.

Koolmotor

Particular description of goods.—Lubricating Oils.
Claims use since early in 1919.

Ser. No. 230,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Apr. 19, 1926.



The lining indicates the color blue.
Particular description of goods.—Canned Evaporated Milk.
Claims use since 1925.

Ser. No. 230,432. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I. Filed Apr. 19, 1926.

Barreled Sunlight

"Barreled Sunlight."
Particular description of goods.—Lacquers.
Claims use since Apr. 2, 1926.

Ser. No. 230,435. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT W. WINTER, St. Louis, Mo. Filed Apr. 19, 1926.

DETH
-BLO-

Particular description of goods.—Insecticides.
Claims use since about Oct. 25, 1925.

Ser. No. 230,516. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 22, 1926.

Ratoofur

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 8, 1926.

Ser. No. 230,518. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 22, 1926.

Galeobat

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 8, 1926.

TRADE-MARK REGISTRATIONS GRANTED

MAY 25, 1926.

[ACT OF FEBRUARY 20, 1905.]

213,179. MATCHES—NAMELY, SAFETY MATCHES. LION MATCH CO., INC., New York, N. Y.
Filed January 7, 1926. Serial No. 225,615. PUBLISHED MARCH 9, 1926.

213,180. FURNITURE POLISH. ERNEST WILKE, Newark, N. J.
Filed January 7, 1926. Serial No. 225,631. PUBLISHED MARCH 9, 1926.

213,181. CIGARS. JNO. H. SWISHER & SON, Newark, Ohio.
Filed January 11, 1926. Serial No. 225,816. PUBLISHED MARCH 9, 1926.

213,182. YARNS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed January 25, 1926. Serial No. 226,346. PUBLISHED MARCH 9, 1926.

213,183. GOLF CLUBS. CUTHBERT S. BUTCHART, Rye, N. Y.
Filed November 30, 1925. Serial No. 223,999. PUBLISHED MARCH 9, 1926.

213,184. LAMP SHADES MADE OF FABRIC OR SHEET MATERIALS. ARGLOMACO, INC., New York, N. Y.
Filed December 4, 1925. Serial No. 224,225. PUBLISHED MARCH 2, 1926.

213,185. GLASS BOTTLES. TAYLOR-LONG COMPANY, Charlotte, N. C.
Filed December 5, 1925. Serial No. 224,303. PUBLISHED MARCH 9, 1926.

213,186. LIQUID POLISH FOR AUTOMOBILES, FURNITURE, METALS, AND PAINTED AND VARNISHED SURFACES. WILLIAM A. MARSHALL, Long Beach, Calif.
Filed December 9, 1925. Serial No. 224,467. PUBLISHED MARCH 9, 1926.

213,187. READY-MIXED PAINTS AND PAINT ENAMELS. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed December 9, 1925. Serial No. 224,482. PUBLISHED FEBRUARY 23, 1926.

213,188. CEMENT PREPARED IN POWDER FORM. THE INLAND FIRE BRICK CO., Cleveland, Ohio.
Filed June 10, 1925. Serial No. 215,576. PUBLISHED FEBRUARY 16, 1926.

213,189. WHITEWASH PREPARATION—I. E., A COLD-WATER PAINT AND WHITEWASH. PACIFIC LIME & PLASTER CO., San Francisco, Calif.
Filed December 14, 1925. Serial No. 224,672. PUBLISHED FEBRUARY 23, 1926.

213,190. TEXTILE RUGS. BRESLIN BROS. CO., Gloucester, N. J.
Filed December 16, 1925. Serial No. 224,742. PUBLISHED MARCH 9, 1926.

213,191. SILK, ARTIFICIAL SILK, COTTON OR COMBINATION THEREOF IN THE PIECE. ULLMAN-LEVINTHAL SILKS CORPORATION, New York, N. Y.
Filed December 16, 1925. Serial No. 224,790. PUBLISHED MARCH 9, 1926.

213,192. WOMEN'S DRESSES, COATS, HATS, BLOUSES, KNITTED AND TEXTILE UNDERWEAR, AND HOSIERY. GEORGE WYMAN & CO., South Bend, Ind.
Filed December 17, 1925. Serial No. 224,815. PUBLISHED MARCH 9, 1926.

213,193. STRUCTURAL TOYS. THE HART & COOLEY COMPANY, INCORPORATED, New Britain, Conn.
Filed December 17, 1925. Serial No. 224,818. PUBLISHED MARCH 9, 1926.

213,194. HYGIENIC SLEEPING BLANKET MADE FROM COTTON, WOOL, OR MIXTURES THEREOF. BEULAH B. TUCKER, St. Louis, Mo.
Filed December 17, 1925. Serial No. 224,846. PUBLISHED MARCH 9, 1926.

213,195. OVERALL UNION SUITS AND OVERALLS. JOSHUA BENJAMIN COLVIN, Baltimore, Md.
Filed December 19, 1925. Serial No. 224,903. PUBLISHED MARCH 2, 1926.

213,196. POLISH AND CLEANER FOR AUTOMOBILES, FURNITURE, ALL VARNISHED AND PAINTED SURFACES, AND METAL AND GLASS. NAMELLO PRODUCTS, Waco, Tex.
Filed December 19, 1925. Serial No. 224,923. PUBLISHED MARCH 9, 1926.

213,197. OVERALLS, UNIONALLS, PANTS, WORK AND NEGLIGEE SHIRTS, JACKETS, AND JUMPERS. H. ROSENBLATT & SONS, INC., Beloit, Wis.
Filed December 19, 1925. Serial No. 224,932. PUBLISHED MARCH 2, 1926.

213,198. COLORING AND FINISHING WATERPROOF MATERIALS IN THE NATURE OF PAINTS OR STAINS. SAMUEL CABOT INC., Boston, Mass.
Filed December 24, 1925. Serial No. 225,109. PUBLISHED FEBRUARY 23, 1926.

213,199. COTTON PIECE GOODS. SYNDICATE TRADING CO., New York, N. Y.
Filed December 30, 1925. Serial No. 225,326. PUBLISHED MARCH 9, 1926.

213,200. HOUSEHOLD BRUSHES—NAMELY, SWEEPING BRUSHES, DUSTING BRUSHES, AND SCRUBBING BRUSHES; PAINTERS' BRUSHES—NAMELY, CALCIMINE AND WHITEWASH BRUSHES; AND PAINTERS' DUSTERS; TOILET BRUSHES, INCLUDING BATH BRUSHES; CLOTH AND HAND BRUSHES; AND INDUSTRIAL BRUSHES—NAMELY, BROOM, SWEEPING, SCRUBBING, SCOURING, SPOKE, AND WHEEL BRUSHES, ALL USED SPECIFICALLY BY HAND FOR CLEANING AND DUSTING PURPOSES. NEW JERSEY BRUSH COMPANY, Bloomfield, N. J.
Filed June 8, 1925. Serial No. 215,471. PUBLISHED MARCH 16, 1926.

213,201. SMOKED PORK TENDERLOINS. JACOB FORST PACKING COMPANY, INC., Kingston, N. Y.
Filed May 19, 1925. Serial No. 214,543. PUBLISHED MARCH 16, 1926.

213,202. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,548. PUBLISHED MARCH 9, 1926.

213,203. MATCHES—NAMELY, SAFETY MATCHES. LION MATCH CO., INC., New York, N. Y.
Filed January 7, 1926. Serial No. 225,613. PUBLISHED MARCH 9, 1926.

213,204. FRESH VEGETABLES—NAMELY, TOMATOES, CELERY, CAULIFLOWER, AND FRESH GRAPES. GLORE & RICK, San Diego, Calif.
Filed January 25, 1926. Serial No. 226,353. PUBLISHED MARCH 16, 1926.

213,205. EFFERVESCING LEMONADE BONBONS. WILHELM JENTZSCH, Dresden, Germany.
Filed December 3, 1925. Serial No. 224,190. PUBLISHED MARCH 16, 1926.

213,206. LEATHER BELTING. DETROIT OAK BELTING COMPANY, Detroit, Mich.
Filed January 25, 1926. Serial No. 226,341. PUBLISHED MARCH 9, 1926.

213,207. TENTS AND AWNINGS. THE WILLIAMS TENT & AWNING CO. INC., Buffalo, N. Y.
Filed December 9, 1925. Serial No. 224,486. PUBLISHED FEBRUARY 16, 1926.

213,208. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER OR RUBBER SUBSTITUTES AND INNER TUBES THEREFOR. RACINE HORSESHOE TIRE COMPANY, Racine, Wis.
Filed January 16, 1926. Serial No. 226,021. PUBLISHED MARCH 9, 1926.

213,209. TUBULAR METALLIC CASES FOR RECEIVING ROLLED CARDS. INTERNATIONAL BUYER'S SERVICE INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,004. PUBLISHED MARCH 16, 1926.

213,210. FRESH APPLES. MAYNARD & CHILD, New York, N. Y., and Portland, Oreg.
Filed December 10, 1925. Serial No. 224,522. PUBLISHED MARCH 16, 1926.

213,211. HAIRBRUSHES. JAMES A. MCCORMACK, New York, N. Y.
Filed December 15, 1925. Serial No. 224,715. PUBLISHED MARCH 16, 1926.

213,212. A MODELING SET FOR CHILDREN (SOLD AS A UNIT). THE EMBOSSING COMPANY, Albany, N. Y.
Filed December 19, 1923. Serial No. 189,888. PUBLISHED MARCH 16, 1926.

213,213. AMMUNITION. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion, N. Y.
Filed October 29, 1924. Serial No. 204,569. PUBLISHED MARCH 9, 1926.

213,214. TOY RANGES AND TOY COOKING UTENSILS. GREY IRON CASTING COMPANY, Mount Joy, Pa.
Filed April 27, 1925. Serial No. 213,374. PUBLISHED MARCH 9, 1926.

213,215. LIQUID AND DRY ADHESIVES HAVING A CEREAL BASE. THE ARABOL M'F'G CO., New York, N. Y.
Filed May 16, 1925. Serial No. 214,389. PUBLISHED MARCH 9, 1926.

213,216. CIGARETTE BOXES OR CARTONS. HANDIPAK COMPANY, INC., New York, N. Y.
Filed January 14, 1926. Serial No. 225,920. PUBLISHED MARCH 16, 1926.

213,217. CANNED COMMINUTED MEATS, SANDWICH SPREAD, AND COMMINUTED FORM OF FOOD PRODUCTS PREPARED FROM MEATS FLAVORED WITH VEGETABLES AND SPICES. LIBBY, MCNEILL & LIBBY, Chicago, Ill.
Filed January 7, 1926. Serial No. 225,612. PUBLISHED MARCH 16, 1926.

213,218. FLOORING, PARTICULARLY BIRCH HARDWOOD FLOORING. THE MUSKOKA WOOD MFG. CO., Huntsville, Ontario, Canada.
Filed November 7, 1925. Serial No. 222,991. PUBLISHED FEBRUARY 16, 1926.

213,219. CANDLESTICKS, LAMP STANDS, BASES, AND UPRIGHTS; LAMP SHADES, PENDANTS, AND PULLS FOR GAS AND OIL LAMPS, AND STEAM-RADIATOR-VALVE HANDLES. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,429. PUBLISHED MARCH 2, 1926.

213,220. WOODEN TOYS—NAMELY, HUMAN FIGURES, ANIMALS, CARTS, WINDMILLS, AND BOATS. WALTER B. SCOTT, Marblehead, Mass.
Filed October 10, 1925. Serial No. 221,571. PUBLISHED MARCH 16, 1926.

213,221. SMOKING AND CHEWING TOBACCO. EXCELSIOR TOBACCO CO., St. Louis, Mo., assignor to Excelsior Tobacco Co., a Corporation of Missouri.
Filed October 10, 1925. Serial No. 221,545. PUBLISHED DECEMBER 22, 1925.

213,222. BRANDIES, LIQUORS, PUNCHES, ALCOHOLIC ESSENCES, AND EXTRACTS FOR MAKING ALCOHOLIC BEVERAGES. EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed November 23, 1925. Serial No. 223,693. PUBLISHED MARCH 16, 1926.

213,223. CANDY. I. KOSLOFF AND SONS, New York, N. Y.
Filed December 2, 1925. Serial No. 224,098. PUBLISHED MARCH 16, 1926.

213,224. BERRY BOXES, FRUIT BOXES, AND VEGETABLE BOXES OF WOOD. COLES & COMPANY, New York, N. Y.
Filed December 4, 1925. Serial No. 224,237. PUBLISHED MARCH 16, 1926.

213,225. PROJECTING MACHINES FOR STILL AND MOTION PICTURES AND READING MATTER. CITRON & GREENFIELD, San Francisco, Calif.
Filed December 7, 1925. Serial No. 224,321. PUBLISHED MARCH 9, 1926.

213,226. REFRIGERATORS. ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt.
Filed December 9, 1925. Serial No. 224,444. PUBLISHED MARCH 9, 1926.

213,227. PURE CULTURE OR FERMENT EMPLOYED IN THE PRODUCTION OF CEREAL BEVERAGES WHICH ARE EITHER NONALCOHOLIC OR CONTAIN LESS THAN ONE-HALF OF ONE PER CENT OF ALCOHOL, BY VOLUME. MANFRED WAHL, Philadelphia, Pa.
Filed December 11, 1925. Serial No. 224,586. PUBLISHED MARCH 16, 1926.

213,228. BRAKE AND TRANSMISSION LININGS. DURWYLLAN CO. INC., Paterson, N. J.
Filed December 12, 1925. Serial No. 224,602. PUBLISHED MARCH 2, 1926.

213,229. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, CREAM SODA, SARSAPARILLA, CELERY SODA, CHOCOLATE SODA, AND VARIOUS FRUIT FLAVORS. SCHWEICKERT & BAAS, INC., Brooklyn, N. Y.
Filed December 15, 1925. Serial No. 224,730. PUBLISHED MARCH 16, 1926.

213,230. WIPING CLOTHS AND CLOTH DUSTERS. MORRIS NOODELMAN, doing business as Pioneer Paper Stock Company, Minneapolis, Minn.
Filed December 18, 1925. Serial No. 224,879. PUBLISHED MARCH 6, 1926.

213,231. OPHTHALMIC AND OTHER OPTICAL LENSES AND LENS BLANKS, EYEGLASS FRAMES AND MOUNTINGS, APPLIANCES FOR MEASURING OPTICAL LENSES, DETERMINING THE CURVATURES THEREOF, GRINDING SURFACES OF PROPER CURVATURE THEREOF, AND TESTING THE POWERS AND VISION THEREOF. CONTINENTAL OPTICAL CORPORATION, New York, N. Y.
Filed December 21, 1925. Serial No. 224,957. PUBLISHED MARCH 9, 1926.

213,232. OPHTHALMIC AND OTHER OPTICAL LENSES AND LENS BLANKS, EYEGLASS FRAMES AND MOUNTINGS, APPLIANCES FOR MEASURING OPTICAL LENSES, DETERMINING THE CURVATURES THEREOF, GRINDING SURFACES OF PROPER CURVATURE THEREOF, AND TESTING THE POWERS AND VISION THEREOF. CONTINENTAL OPTICAL CORPORATION, New York, N. Y.
Filed December 26, 1925. Serial No. 225,175. PUBLISHED MARCH 9, 1926.

213,233. ROOT-BEER SIRUP AND ROOT BEER MADE FROM SUCH SIRUP. RICHARDSON CORPORATION, Rochester, N. Y.
Filed December 26, 1925. Serial No. 225,203. PUBLISHED MARCH 16, 1926.

213,234. LADIES' HATBOXES, SUITCASES, AND TRAVELING BAGS. SAMUEL LACHER, New York, N. Y.
Filed December 28, 1925. Serial No. 225,229. PUBLISHED MARCH 9, 1926.

213,235. POTATOES IN THEIR NATURAL STATE. WILLIAM CHASE & Co., Greenville, Mich.
Filed January 6, 1926. Serial No. 225,551. PUBLISHED MARCH 16, 1926.

213,236. FRESH CITROUS FRUITS, GRAPEFRUIT, SATSUMAS, TANGERINES, ORANGES, AND LEMONS. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex.
Filed October 5, 1925. Serial No. 221,290. PUBLISHED MARCH 16, 1926.

213,237. FRESH CITROUS FRUITS, GRAPEFRUIT, SATSUMAS, TANGERINES, ORANGES, AND LEMONS. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex.
Filed October 5, 1925. Serial No. 221,289. PUBLISHED MARCH 16, 1926.

213,238. CANNED VEGETABLES. WEST SALEM CANNING CO., West Salem, Wis.
Filed September 9, 1925. Serial No. 220,053. PUBLISHED MARCH 16, 1926.

213,239. MALT EXTRACTS AND MALT AND HOP EXTRACTS. G. & E. TRADING CORP., New York, N. Y.
Filed August 26, 1925. Serial No. 219,391. PUBLISHED MARCH 16, 1926.

213,240. CANDY. HUGO HELSTROM, doing business as The Helstrom Candy Co., Chicago, Ill.
Filed August 17, 1925. Serial No. 218,966. PUBLISHED MARCH 16, 1926.

213,241. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. CORONA CITRUS ASSOCIATION, Corona, Calif.
Filed July 23, 1925. Serial No. 217,761. PUBLISHED MARCH 9, 1926.

213,242. CEREAL MALT BEVERAGE. NEW ENGLAND BREWING CO., doing business as Haffenreffer & Co., Boston, Mass.
Filed July 15, 1925. Serial No. 217,413. PUBLISHED MARCH 9, 1926.

213,243. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,894. PUBLISHED MARCH 9, 1926.

213,244. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,893. PUBLISHED MARCH 9, 1926.

213,245. WOOL CLOTH IN THE PIECE. S. STROOCK & Co. INC., New York, N. Y.
Filed MARCH 20, 1925. Serial No. 211,389. PUBLISHED MARCH 9, 1926.

213,246. KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; KNITTED SPORT COATS FOR MEN, WOMEN, AND CHILDREN; AND KNITTED PYJAMAS AND NIGHTGOWNS FOR MEN, WOMEN, AND CHILDREN. OAK KNITTING COMPANY, Syracuse, N. Y.
Filed January 3, 1925. Serial No. 207,626. PUBLISHED MARCH 9, 1926.

213,247. MALT SIRUP FOR FOOD PURPOSES. SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill.
Filed November 17, 1924. Serial No. 205,409. PUBLISHED MARCH 9, 1926.

213,248. CANDIES. WILLIAM MCMURRAY AND COMPANY, St. Paul, Minn.
Filed August 11, 1924. Serial No. 201,249. PUBLISHED MARCH 9, 1926.

213,249. PEDAL PAD. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed April 8, 1925. Serial No. 212,398. PUBLISHED MARCH 2, 1926.

213,250. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed May 23, 1925. Serial No. 214,788. PUBLISHED MARCH 9, 1926.

213,251. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, FRESH VEGETABLES; MELONS—NAMELY, CANTALOUPES. DENNEY & Co., Chicago, Ill.
Filed May 16, 1925. Serial No. 214,404. PUBLISHED MARCH 9, 1926.

213,252. FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS; FRESH VEGETABLES—NAMELY, CANTALOUPES. DENNEY & Co., Chicago, Ill.
Filed May 16, 1925. Serial No. 214,402. PUBLISHED MARCH 9, 1926.

213,253. FOOT MATS MADE OF RUBBER PRODUCTS AND FABRICS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed April 8, 1925. Serial No. 212,400. PUBLISHED MARCH 2, 1926.

213,254. CANDY. AMERICAN LICORICE COMPANY, Chicago, Ill., and San Francisco, Calif.
Filed November 25, 1925. Serial No. 223,831. PUBLISHED MARCH 9, 1926.

213,255. CERTAIN NAMED CHINAWARE. JOSEPH R. KITTLER, Chicago, Ill.
Filed November 19, 1925. Serial No. 223,528. PUBLISHED MARCH 9, 1926.

213,256. FUR SKINS, HIDES, AND PELTS. BEST & Co., INC., New York, N. Y.
Filed November 14, 1925. Serial No. 223,275. PUBLISHED MARCH 2, 1926.

213,257. LAMP GLASSES AND GLOBES. MACBETH-EVANS GLASS COMPANY, Pittsburgh, Pa.
Filed November 11, 1925. Serial No. 223,131. PUBLISHED MARCH 9, 1926.

213,258. LAMP GLASSES AND GLOBES. MACBETH-EVANS GLASS COMPANY, Pittsburgh, Pa.
Filed November 11, 1925. Serial No. 223,130. PUBLISHED MARCH 9, 1926.

213,259. PAINTBRUSHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed November 5, 1925. Serial No. 222,878. PUBLISHED MARCH 9, 1926.

213,260. FLOOR TILES, WALL TILES, DECORATIVE CONSTRUCTION TILES, TILES FOR INDUSTRIAL CONSTRUCTION, TILE DOOR FRAMES, AND TILES KNOWN AS "CERAMICS." THE C. PARDEE WORKS, Perth Amboy, N. J., and Philadelphia, Pa.
Filed November 4, 1925. Serial No. 222,792. PUBLISHED FEBRUARY 16, 1926.

213,261. COAL. BLACKWOOD COAL AND COKE COMPANY, Blackwood, Va., and Spartansburg, S. C.
Filed November 4, 1925. Serial No. 222,780. PUBLISHED MARCH 2, 1926.

213,262. FRESH GRAPES. MALJAN FRUIT COMPANY, Los Angeles, Calif.
Filed October 31, 1925. Serial No. 222,623. PUBLISHED MARCH 9, 1926.

213,263. FANCY GOODS AND NOVELTIES—NAMELY, LACE DOILIES, EMBROIDERIES IN THE PIECE, HANDERKERCHIEFS, AND TABLE AND DRESSER SCARFS. MILLER & GOLDSMITH, New York, N. Y.
Filed October 27, 1925. Serial No. 222,390. PUBLISHED MARCH 9, 1926.

213,264. MEN'S CRAVATS. SCHOENFELD BROS., INC., Seattle, Wash.
Filed October 19, 1925. Serial No. 221,978. PUBLISHED DECEMBER 8, 1925.

213,265. YERBA MATE. LA INDUSTRIAL PARAGUAYA S. A., Buenos Aires, Argentina.
Filed October 15, 1925. Serial No. 221,748. PUBLISHED MARCH 9, 1926.

213,266. LEATHER CLOTH. STOREY BROTHERS & COMPANY, LIMITED, Lancaster, England.
Filed October 14, 1925. Serial No. 221,723. PUBLISHED FEBRUARY 16, 1926.

213,267. FRESH GRAPES. G. N. YOUNG, Exeter, Calif.
Filed October 7, 1925. Serial No. 221,400. PUBLISHED MARCH 9, 1926.

213,268. COTTON THREAD, KNITTING WOOL AND ARTIFICIAL THREADS FOR EMBROIDERY. GUDEBROD BROS. SILK CO., doing business as Champion Mills, New York, N. Y.
Filed October 3, 1925. Serial No. 221,177. PUBLISHED MARCH 9, 1926.

213,269. GALVANIZED-STEEL SHEETS. AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa.
Filed September 12, 1925. Serial No. 220,168. PUBLISHED NOVEMBER 24, 1925.

213,270. EDUCATIONAL SPELLING GAME DEVICE. EASTERN HAIR NET TRADING CO., New York, N. Y.
Filed September 3, 1925. Serial No. 219,732. PUBLISHED MARCH 9, 1926.

213,271. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,895. PUBLISHED MARCH 9, 1926.

213,272. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 7, 1925. Serial No. 216,968. PUBLISHED MARCH 9, 1926.

213,273. LADIES' AND MISSES' OUTER GARMENTS—NAMELY, DRESSES AND COATS. HYMAN & GOLDSTON, INC., New York, N. Y.
Filed July 30, 1925. Serial No. 218,125. PUBLISHED JANUARY 26, 1926.

213,274. DRIED AND CANNED FIGS, FIG PRESERVES, PICKLED FIGS, FIG JAM, FANCY DRIED FRUIT PACK. DON KEMPTON, Figarden, Calif.
Filed August 13, 1925. Serial No. 218,817. PUBLISHED MARCH 9, 1926.

213,275. FABRIC MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,891. PUBLISHED MARCH 9, 1926.

213,276. FABRICS MADE FROM WOOL, WORSTED, COTTON, OR MIXTURES THEREOF. JOHN B. ELLISON & SONS, Philadelphia, Pa.
Filed July 6, 1925. Serial No. 216,890. PUBLISHED MARCH 9, 1926.

213,277. PAINT AND VARNISH REMOVER. THE PAYSON VANISH CO., New York, N. Y.
Filed June 30, 1925. Serial No. 216,691. PUBLISHED MARCH 2, 1926.

213,278. BLEND OF CLAYS TO MIX WITH MOLDING SAND FOR THE PURPOSE OF RENEWING ITS USEFULNESS. NEW YORK & PENNSYLVANIA CLAY PRODUCTS CO., Rochester, N. Y.
Filed June 29, 1925. Serial No. 216,631. PUBLISHED MARCH 2, 1926.

213,279. PAINT AND ENAMEL REMOVER. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed June 18, 1925. Serial No. 215,976. PUBLISHED MARCH 2, 1926.

213,280. COAL. THE JOHN STACK COAL COMPANY, Lorain, Ohio.
Filed June 11, 1925. Serial No. 215,659. PUBLISHED FEBRUARY 23, 1926.

213,281. BUNDLED LUMBER, INCLUDING FLOORING, SIDING, CEILING, LATH, MOLDING, FINISH, AND DOOR STOCK. THE WHITNEY COMPANY, Detroit, Mich., and Garibaldi, Oreg.
Filed April 23, 1924. Serial No. 196,041. PUBLISHED MARCH 2, 1926.

213,282. CERTAIN ARTICLES OF FOOD. MINNESOTA MERCANTILE CO., Stillwater, Minn.
Filed February 19, 1924. Serial No. 192,539. PUBLISHED MARCH 9, 1926.

213,283. CERTAIN ARTICLES OF FOOD. DURAND-MCNEIL-HORNER CO., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,818. PUBLISHED MARCH 9, 1926.

213,284. BABY'S BIB. ROBERT C. MELVIN, San Francisco, Calif.
Filed December 22, 1925. Serial No. 225,024. PUBLISHED MARCH 16, 1926.

213,285. LADIES' AND MISSES' SHOES, SLIPPERS, PUMPS, AND LOW QUARTERS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. WOLFF TOBER SHOE MFTG. CO., St. Louis, Mo.
Filed December 26, 1925. Serial No. 225,212. PUBLISHED MARCH 9, 1926.

213,286. OVERSHOES AND GALOSHES MADE OF OR CONTAINING RUBBER. CONVERSE RUBBER SHOE CO., Malden, Mass.
Filed December 31, 1925. Serial No. 225,350. PUBLISHED MARCH 2, 1926.

213,287. PERIODICAL MAGAZINES AND MAGAZINE ARTICLES USUALLY PUBLISHED MONTHLY OR QUARTERLY. HENRY S. CHAPIN, Brooklyn, N. Y.
Filed January 2, 1926. Serial No. 225,400. PUBLISHED MARCH 9, 1926.

213,288. HOSIERY. STATE TEXTILE CORPORATION, New York, N. Y.
Filed January 4, 1926. Serial No. 225,493; PUBLISHED MARCH 16, 1926.

213,289. MEN'S AND BOYS' CAPS. ABRAHAM D. FELDSTEIN, New York, N. Y.
Filed January 5, 1926. Serial No. 225,508. PUBLISHED MARCH 9, 1926.

213,290. MEN'S AND BOYS' CAPS. ABRAHAM D. FELDSTEIN, New York, N. Y.
Filed January 5, 1926. Serial No. 225,509. PUBLISHED MARCH 2, 1926.

213,291. LEATHER SHOES. THE FORBUSH SHOE COMPANY, North Grafton, Mass.
Filed January 5, 1926. Serial No. 225,511. PUBLISHED MARCH 2, 1926.

213,292. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS, PUMPS, AND SANDALS MADE WHOLLY OR PARTLY OF LEATHER. WILLIAMS-MARVIN COMPANY, doing business as United Shoe Co., San Francisco, Calif.
Filed January 5, 1926. Serial No. 225,536. PUBLISHED MARCH 2, 1926.

213,293. CORSETS. JAY THORPE, INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,559. PUBLISHED MARCH 2, 1926.

213,294. LEATHER BOOTS. JOHN FENTON, Columbus, Ohio.
Filed January 7, 1926. Serial No. 225,603. PUBLISHED MARCH 2, 1926.

213,295. BOOTS AND SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed January 7, 1926. Serial No. 225,609. PUBLISHED MARCH 2, 1926.

213,296. TENNIS SHOES MADE OF FABRIC AND RUBBER. SAKS & COMPANY, New York, N. Y.
Filed January 7, 1926. Serial No. 225,619. PUBLISHED MARCH 16, 1926.

213,297. LEATHER GLOVES. WENCESLAUS STEVENS, New York, N. Y., and Naples, Italy.
Filed December 9, 1925. Serial No. 224,483. PUBLISHED MARCH 2, 1926.

213,298. BOOTS AND SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed December 10, 1925. Serial No. 224,508. PUBLISHED MARCH 9, 1926.

213,299. CORSETS, BRASSIÈRES; CORSET BRASSIÈRES, CORSET COMBINATIONS WHICH IS A ONE-PIECE GARMENT EMBODYING A BRASSIÈRE OR BUST CONFINER AND GIRDLE; BUST CONFINERS, BUST SUPPORTERS; UNDERWEAR MADE OF BOTH KNITTED AND TEXTILE FABRICS FOR THE USE OF WOMEN; CAMISOLES, BANDEAUX, BELTS FOR PERSONAL WEAR, HIP CONFINERS, AND GIRDLES. JACKSON CORSET COMPANY, Jackson, Mich.
Filed December 10, 1925. Serial No. 224,509. PUBLISHED MARCH 2, 1926.

213,300. CORSETS, BRASSIÈRES, CORSET BRASSIÈRES; CORSET COMBINATIONS WHICH IS A ONE-PIECE GARMENT EMBODYING A BRASSIÈRE OR BUST CONFINER AND GIRDLE; BUST CONFINERS, BUST SUPPORTERS; UNDERWEAR MADE OF BOTH KNITTED AND TEXTILE FABRICS FOR THE USE OF WOMEN; CAMISOLES, BANDEAUX, BELTS FOR PERSONAL WEAR, HIP CONFINERS, AND GIRDLES. JACKSON CORSET COMPANY, Jackson, Mich.
Filed December 10, 1925. Serial No. 224,510. PUBLISHED MARCH 2, 1926.

213,301. CAPS. ARNO REINHOLD, doing business as Stayput Company, Cleveland, Ohio.
Filed December 10, 1925. Serial No. 224,532. PUBLISHED MARCH 2, 1926.

213,302. HOSIERY. IVY CORSET COMPANY, Worcester, Mass.
Filed December 14, 1925. Serial No. 224,663. PUBLISHED MARCH 16, 1926.

213,303. MEN'S, WOMEN'S, AND CHILDREN'S GARTERS. DE LUXE NOVELTY CO., New York, N. Y.
Filed December 16, 1925. Serial No. 224,747. PUBLISHED MARCH 2, 1926.

213,304. BREAD. POWER CITY BAKING COMPANY, Hazle ton, Pa.
Filed December 30, 1925. Serial No. 225,316. PUBLISHED MARCH 9, 1926.

213,305. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. WALNUT FRUIT GROWERS ASSOCIATION, Walnut, Calif.
Filed July 15, 1925. Serial No. 217,434. PUBLISHED MARCH 16, 1926.

213,306. GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. JOSEPH BATTAGLINO & SONS, Catskill, N. Y.
Filed August 15, 1925. Serial No. 218,894. PUBLISHED MARCH 16, 1926.

213,307. FRESH APPLES, FRESH PEARS. A. P. BAKICH, Watsonville, Calif.
Filed September 30, 1925. Serial No. 220,989. PUBLISHED MARCH 16, 1926.

213,308. FRESH CITROUS FRUIT, GRAPEFRUIT, SATSUMAS, TANGERINES, ORANGES, LEMONS. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex.
Filed October 2, 1925. Serial No. 221,145. PUBLISHED MARCH 16, 1926.

213,309. FRESH CITROUS FRUITS, GRAPEFRUIT, SATSUMAS, TANGERINES, ORANGES, AND LEMONS. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex.
Filed October 5, 1925. Serial No. 221,291. PUBLISHED MARCH 16, 1926.

213,310. COFFEE AND CANDY. PAUL J. LIVADARY, Los Angeles, Calif.
Filed October 6, 1925. Serial No. 221,324. PUBLISHED MARCH 9, 1926.

213,311. GASKET AND RADIATOR CEMENT. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed October 15, 1925. Serial No. 221,784. PUBLISHED MARCH 9, 1926.

213,312. PAPER BAGS. ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass.
Filed October 30, 1925. Serial No. 222,538. PUBLISHED MARCH 16, 1926.

213,313. PAPER BAGS. ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass.
Filed October 30, 1925. Serial No. 222,548. PUBLISHED MARCH 16, 1926.

213,314. PAPER BAGS. ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass.
Filed October 30, 1925. Serial No. 222,554. PUBLISHED MARCH 16, 1926.

213,315. LUMBER. RED CEDAR LUMBER MANUFACTURER'S ASSOCIATION OF THE PACIFIC COAST, Seattle, Wash.
Filed November 2, 1925. Serial No. 222,705. PUBLISHED JANUARY 12, 1926.

213,316. FRESH CITROUS FRUIT. STRATHMORE FRUIT GROWERS ASSOCIATION, Strathmore, Calif.
Filed November 9, 1925. Serial No. 223,058. PUBLISHED MARCH 16, 1926.

213,317. HOSE WOVEN FROM TEXTILE MATERIAL. F. REDDAWAY & CO. LIMITED, Pendleton, Manchester, England.
Filed November 14, 1925. Serial No. 223,333. PUBLISHED FEBRUARY 9, 1926.

213,318. THERMOCOUPLE ENCASING TUBES. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa.
Filed November 16, 1925. Serial No. 223,364. PUBLISHED MARCH 9, 1926.

213,319. BATHING SUITS FOR MEN, WOMEN, BOYS, MISSES, AND CHILDREN, BOTH ONE PIECE AND TWO PIECE; JUVENILE BATHING SUITS, BATHING SHIRTS, TRUNKS, SUPPORT SHIRTS AND BATHING TROUSERS MADE OF FLANNEL. PECKHAM-FOREMAN INC., New York, N. Y.
Filed December 19, 1925. Serial No. 224,926. PUBLISHED MARCH 16, 1926.

213,320. WINDMILLS AND REPAIR AND REPLACEMENT PARTS THEREFOR. DEMPSTER MILL MANUFACTURING COMPANY, Beatrice, Nebr.
Filed December 22, 1925. Serial No. 225,006. PUBLISHED MARCH 16, 1926.

213,321. ALFALFA MEAL. THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo.
Filed December 28, 1925. Serial No. 225,222. PUBLISHED MARCH 9, 1926.

213,322. LADIES' TEXTILE-FABRIC UNDERWEAR AND ONE, TWO, AND THREE PIECE GARMENTS. CHAS. A. KUPPERMAN CO., doing business as Undasilks Company, New York, N. Y.
Filed December 18, 1925. Serial No. 224,872. PUBLISHED MARCH 16, 1926.

213,323. BOYS' SUITS, OVERCOATS, BATH ROBES, AND LOUNGING ROBES. R. H. MACY & CO., INC., New York, N. Y.
Filed January 6, 1926. Serial No. 225,565. PUBLISHED MARCH 16, 1926.

213,324. SHEET WATER AND OIL PACKING AND GASKETS MADE THEREFROM. EARLE B. MELRATH, doing business as Melrath Supply and Gasket Company, Philadelphia, Pa.
Filed January 8, 1926. Serial No. 225,671. PUBLISHED MARCH 16, 1926.

213,325. WHEAT FLOUR. THE NATIONAL MILLING COMPANY, Toledo, Ohio.
Filed January 8, 1926. Serial No. 225,672. PUBLISHED MARCH 9, 1926.

213,326. WHEAT FLOUR. THE H. D. LEE FLOUR MILLS COMPANY, Salina, Kans.
Filed January 9, 1926. Serial No. 225,720. PUBLISHED MARCH 9, 1926.

213,327. WHEAT FLOUR. THE H. D. LEE FLOUR MILLS COMPANY, Salina, Kans.
Filed January 9, 1926. Serial No. 225,721. PUBLISHED MARCH 9, 1926.

213,328. TIRE PATCHER. AMERICAN AUTO SUPPLY CO., Memphis, Tenn.
Filed January 11, 1926. Serial No. 225,755. PUBLISHED MARCH 16, 1926.

213,329. BATHING SUITS. HERCULES KNITTING CO., INC., New York, N. Y.
Filed January 2, 1926. Serial No. 225,424. PUBLISHED MARCH 16, 1926.

213,330. HOSIERY. PHILADELPHIA KNITTING MILLS COMPANY, Philadelphia, Pa.
Filed December 31, 1925. Serial No. 225,379. PUBLISHED MARCH 16, 1926.

213,331. MACHINES FOR MAKING CEMENT BLOCKS, CONCRETE BLOCKS, AND TILE BLOCKS. CEMENT BLOCK MACHINERY COMPANY, Newark, N. J.
Filed November 30, 1925. Serial No. 224,000. PUBLISHED MARCH 16, 1926.

213,332. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,821. PUBLISHED MARCH 16, 1926.

213,333. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,820. PUBLISHED MARCH 16, 1926.

213,334. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,819. PUBLISHED MARCH 16, 1926.

213,335. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,818. PUBLISHED MARCH 16, 1926.

213,336. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,817. PUBLISHED MARCH 16, 1926.

213,337. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,816. PUBLISHED MARCH 16, 1926.

213,338. MERCHANDISE ENVELOPES AND PAPER DRINKING CUPS. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed September 10, 1924. Serial No. 202,470. PUBLISHED MARCH 16, 1926.

213,339. BORING HEADS, GEAR CUTTERS, HOBS, MILLING CUTTERS, FACE MILLS, HOLLOW MILLS, CUTTERS FOR PLANING GEAR TEETH, COUNTERBORES, HOB AND DISK CUTTER GRINDING MACHINES, AND GRINDING ATTACHMENTS. THE O. K. TOOL COMPANY, INC., Shelton, Conn., and New York, N. Y.
Filed December 18, 1924. Serial No. 206,915. PUBLISHED MARCH 9, 1926.

213,340. TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, TUBE AND FLUE BEADING TOOLS. GUSTAV WIEDEKE CO., Dayton, Ohio.
Filed February 14, 1925. Serial No. 209,601. PUBLISHED MARCH 9, 1926.

213,341. CHEWING TOBACCO, SMOKING TOBACCO, SNUFF, CIGARS, AND CIGARETTES. GENERALDIREKTION DER OESTERREICHISCHEN TABAKREGIE, Vienna, Austria.
Filed May 15, 1925. Serial No. 214,355. PUBLISHED MARCH 16, 1926.

213,342. STRAP HANGERS, PROPELLERS, WINDSHIELDS, AND GEAR-SHIFT KNOBS. BAKELITE CORPORATION, New York, N. Y.
Filed July 3, 1925. Serial No. 216,820. PUBLISHED JANUARY 12, 1926.

213,343. REPAIR PATCHES FOR PNEUMATIC TIRES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed July 15, 1925. Serial No. 217,398. PUBLISHED MARCH 9, 1926.

213,344. CANNED VEGETABLES, ETC. ADAMS & SONS GROCER COMPANY, Chillicothe, Mo.
Filed September 11, 1922. Serial No. 169,268. PUBLISHED MARCH 6, 1926.

213,345. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY COMPANY, Chicago, Ill.
Filed August 4, 1923. Serial No. 184,061. PUBLISHED MARCH 16, 1926.

213,346. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATION THEREOF. BECK HAZZARD, INC., New York, N. Y.
Filed September 23, 1924. Serial No. 202,921. PUBLISHED DECEMBER 16, 1924.

213,347. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed August 4, 1923. Serial No. 184,062. PUBLISHED MARCH 16, 1926.

213,348. CHOCOLATE AND COCOA. LJUNGS CHOCLAD- & CACAO-FABRIK, Malmo, Sweden.
Filed February 20, 1925. Serial No. 209,929. PUBLISHED JUNE 30, 1925.

213,349. ARTIFICIAL-SILK KNITTED FABRIC. NATHAN HALPERIN, doing business as Halperin Mills, Brooklyn, N. Y.
Filed January 27, 1925. Serial No. 208,703. PUBLISHED MARCH 16, 1926.

213,350. TRIMMED HATS INTENDED FOR USE OF WOMEN AND CHILDREN. LYON BROS. MILLINERY COMPANY, Kansas City, Mo.
Filed April 14, 1925. Serial No. 212,689. PUBLISHED MARCH 9, 1926.

213,351. LEATHER SHOES. WAUSAU SHOE MFG. CO., Wausau, Wis.
Filed March 3, 1925. Serial No. 210,517. PUBLISHED MARCH 9, 1926.

213,352. RIM FLAPS FOR TIRES AND TIRE PATCHES. DEXTER RUBBER MANUFACTURING COMPANY, Goshen, N. Y.
Filed December 22, 1925. Serial No. 225,007. PUBLISHED FEBRUARY 23, 1926.

213,353. WOMEN'S SHOES CONSTRUCTED OF LEATHER UPPERS, LEATHER SOLES, FABRIC AND LEATHER LININGS, AND COMPOSITION LEATHER HEELS WITH RUBBER TOP PIECES. IT IS ALSO TO BE USED ON SHOES CONSTRUCTED OF FABRIC UPPERS WITH THE SAME SOLES, HEELS, LININGS, ETC., AS ABOVE. THE ROTH SHOE MFG. COMPANY, Cincinnati, Ohio.
Filed June 3, 1925. Serial No. 215,270. PUBLISHED MARCH 16, 1926.

213,354. CROSS CHAINS FOR AUTOMOBILE TIRES. ST. PIERRE CHAIN CORPORATION, Worcester, Mass.
Filed January 8, 1926. Serial No. 225,685. PUBLISHED MARCH 16, 1926.

213,355. RIM FLAPS FOR TIRES AND TIRE PATCHES. DEXTER RUBBER MANUFACTURING COMPANY, Goshen, N. Y.
Filed December 22, 1925. Serial No. 225,008. PUBLISHED FEBRUARY 23, 1926.

213,356. WHEAT FLOUR. SPERRY FLOUR COMPANY, San Francisco, Calif.
Filed October 5, 1925. Serial No. 221,286. PUBLISHED MARCH 9, 1926.

213,357. MEN'S, LADIES', AND CHILDREN'S UNDERWEAR OF TEXTILE FABRICS, AND HOSIERY, SWEATERS, AND BATHING SUITS. DIXIE UNDERWEAR CO., INC., Montgomery, Ala.
Filed October 2, 1925. Serial No. 221,099. PUBLISHED MARCH 16, 1926.

213,358. GAME TABLES, CARD TABLES, SEWING TABLES, READING TABLES, AND WORK TABLES. WILLARD C. WETMORE, New York, N. Y.
Filed September 23, 1925. Serial No. 220,692. PUBLISHED MARCH 16, 1926.

213,359. CREAMERY MACHINERY COMPRISING COMBINED CHURNS AND BUTTER-WORKERS. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed August 15, 1925. Serial No. 218,900. PUBLISHED MARCH 16, 1926.

213,360. CAKE. CAROLINA BAKING COMPANY, Charlotte, N. C.
Filed August 13, 1925. Serial No. 218,792. PUBLISHED MARCH 9, 1926.

213,361. BREAD. CAROLINA BAKING COMPANY, Charlotte, N. C.
Filed August 13, 1925. Serial No. 218,793. PUBLISHED MARCH 9, 1926.

213,362. FRESH APPLES AND FRESH PEARS. DILLON R. HILL, Medford, Oreg.
Filed July 6, 1925. Serial No. 216,907. PUBLISHED FEBRUARY 23, 1926.

213,363. RUBBER SYRINGES. SUPERIOR HARD RUBBER COMPANY, Butler, N. J.
Filed May 27, 1925. Serial No. 214,980. PUBLISHED MARCH 16, 1926.

213,364. FAN BELTS. CHAS. A. SCHIEREN COMPANY, New York, N. Y.
Filed June 25, 1925. Serial No. 216,435. PUBLISHED MARCH 16, 1926.

213,365. BUTTER. PAUL A. SCHULZE, St. Louis, Mo.
Filed April 10, 1925. Serial No. 212,508. PUBLISHED MARCH 9, 1926.

213,366. LADIES' AND MISSES' DRESSES. STRATFORD COSTUMES, INC., New York, N. Y.
Filed May 22, 1925. Serial No. 214,756. PUBLISHED MARCH 16, 1926.

213,367. TYPE PLATES FOR PRINTING ON CLOTH, PAPER, AND OTHER FABRICS, KNIFE AND TOOL HANDLES, ETC. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,427. PUBLISHED MARCH 16, 1926.

213,368. HOUSEHOLD AND OFFICE FURNITURE. SCHMIEG, HUNGATE & KOTZIAN, INC., New York, N. Y.
Filed October 23, 1925. Serial No. 222,194. PUBLISHED MARCH 16, 1926.

213,369. PIE TRIMMERS AND CRIMPERS. EDWARD G. MINNEMAN, Richmond, Ind.
Filed October 15, 1925. Serial No. 221,764. PUBLISHED MARCH 16, 1926.

213,370. HIGH-GRADE REED, RATTAN, AND SEA-GRASS CHAIRS, SETTEES, AND TABLES. LESLIE B. NEWMAN, doing business as Pagoda Furniture Company, San Francisco, Calif.
Filed October 9, 1925. Serial No. 221,499. PUBLISHED MARCH 16, 1926.

213,371. PISTON PACKING. PIONEER RUBBER MILLS, San Francisco, Calif.
Filed December 23, 1924. Serial No. 207,145. PUBLISHED MARCH 16, 1926.

213,372. MILK, FRESH AND SOUR, RAW AND PASTEURIZED, AND BUTTERMILK, AND CREAM, FRESH AND SOUR, RAW AND PASTEURIZED, AND WHIPPING. B B MILK COMPANY, Red Wing, Minn.
Filed November 11, 1925. Serial No. 223,112. PUBLISHED MARCH 9, 1926.

213,373. PRETZELS. AUGUSTUS L. KROUSE, Reading, Pa.
Filed October 28, 1925. Serial No. 222,466. PUBLISHED MARCH 9, 1926.

213,374. EGGS, BUTTER, AND CHEESE. ERNEST LEBERS, New York, N. Y.
Filed July 5, 1924. Serial No. 199,633. PUBLISHED AUGUST 19, 1924.

213,375. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,815. PUBLISHED MARCH 16, 1926.

213,376. METAL-SHEATHED PORTABLE CABINETS OR CLOSETS FOR HOUSING CLOTHING. HASKELITE MANUFACTURING CORPORATION, Chicago, Ill.
Filed January 25, 1926. Serial No. 226,356. PUBLISHED MARCH 9, 1926.

213,377. CANNED SOUPS. AMERICAN OYSTER CO., Providence, R. I.
Filed January 27, 1926. Serial No. 226,461. PUBLISHED MARCH 16, 1926.

213,378. INTERNAL-COMBUSTION-MOTOR HEAT INDICATORS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed January 26, 1926. Serial No. 226,438. PUBLISHED MARCH 9, 1926.

213,379. IMITATION-VANILLA COMPOUND AND FRUIT SIRUP FOR FOOD-FLAVORING PURPOSES. DAHL BROTHERS, INCORPORATED, Syracuse, N. Y.
Filed December 29, 1924. Serial No. 207,344. PUBLISHED MARCH 9, 1926.

213,380. KNITTED PYJAMAS AND KNITTED NIGHTGOWNS. OAK KNITTING COMPANY, Syracuse, N. Y.
Filed January 3, 1925. Serial No. 207,627. PUBLISHED MARCH 9, 1926.

213,381. SILD, BRISTLING, AND HERRINGS. AKTIESELSKAPET HVISTENDAHL & WERRING LIMITED, Christiania, Norway.
Filed February 3, 1925. Serial No. 209,016. PUBLISHED MARCH 16, 1926.

213,382. SEMIANNUAL PUBLICATIONS. THE READY REFERENCE PUBLISHING CO. INC., New York, N. Y.
Filed September 4, 1925. Serial No. 219,844. PUBLISHED JANUARY 12, 1926.

213,383. STEEL BLOCKS, DISKS, BARS, AND FORGINGS. JULIUS UHLEIN, doing business as Julius Uihlein & Company, Cincinnati, Ohio.
Filed May 26, 1925. Serial No. 214,034. PUBLISHED MARCH 9, 1926.

213,384. MALLEABLE IRON CASTINGS. ERIE MALLEABLE IRON COMPANY, Erie, Pa.
Filed January 27, 1926. Serial No. 226,482. PUBLISHED MARCH 9, 1926.

213,385. TOBACCO PIPES. DELACOUR & LEWIS CORPORATION, New York, N. Y.
Filed January 18, 1926. Serial No. 226,049. PUBLISHED MARCH 9, 1926.

213,386. ALLOY BAR STEEL. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,975. PUBLISHED MARCH 9, 1926.

213,387. ALLOY BAR STEEL. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,974. PUBLISHED MARCH 9, 1926.

213,388. STEEL SHEETS. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,976. PUBLISHED MARCH 9, 1926.

213,389. TOOL STEEL. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,972. PUBLISHED MARCH 9, 1926.

213,390. TOOL STEEL. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,971. PUBLISHED MARCH 9, 1926.

213,391. BANDAGES. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed January 13, 1926. Serial No. 225,882. PUBLISHED MARCH 9, 1926.

213,392. CANNED VEGETABLES. THE WEST SALEM CANNING COMPANY, West Salem, Wis.
Filed January 12, 1926. Serial No. 225,853. PUBLISHED MARCH 16, 1926.

213,393. MALT EXTRACTS FOR FOOD PURPOSES. JULIUS KLEIN, doing business as J. Klein Company, Philadelphia, Pa.
Filed January 8, 1926. Serial No. 225,665. PUBLISHED MARCH 9, 1926.

213,394. BRASS, BRONZE, AND ALUMINUM CASTINGS, BEARING METALS, AND ALLOYS. D. & E. METALS CO., Grandview Park and York, Pa.
Filed January 8, 1926. Serial No. 225,650. PUBLISHED MARCH 9, 1926.

213,395. CHEWING TOBACCO. RYAN-HAMPTON TOBACCO CO., Louisville, Ky.
Filed January 2, 1926. Serial No. 225,451. PUBLISHED MARCH 16, 1926.

213,396. CHEWING TOBACCO. RYAN-HAMPTON TOBACCO CO., Louisville, Ky.
Filed January 2, 1926. Serial No. 225,450. PUBLISHED MARCH 16, 1926.

213,397. CHEWING TOBACCO. RYAN-HAMPTON TOBACCO CO., Louisville, Ky.
Filed January 2, 1926. Serial No. 225,449. PUBLISHED MARCH 16, 1926.

213,398. ELECTROMECHANICAL DEVICE FOR THE CORRECTION OF DEFECTIVE HEARING. THE AUDITION CORPORATION, Hoboken, N. J.
Filed December 29, 1925. Serial No. 225,251. PUBLISHED MARCH 9, 1926.

213,399. [WITHDRAWN.]

213,400. [WITHDRAWN.]

213,401. PERFUME ATOMIZERS. LORNA MANUFACTURING CO., INC., New York, N. Y.
Filed December 24, 1925. Serial No. 225,124. PUBLISHED MARCH 9, 1926.

213,402. CEREAL MALT BEVERAGE. NEW ENGLAND BREWING CO., doing business as Haffenreffer & Co., Boston, Mass.
Filed December 24, 1925. Serial No. 225,131. PUBLISHED MARCH 16, 1926.

213,403. THERAPEUTIC LAMPS. FRANK S. BETZ COMPANY, Hammond, Ind.
Filed December 26, 1925. Serial No. 225,160. PUBLISHED MARCH 9, 1926.

213,404. CANDY. TRU-BLU BISCUIT COMPANY, Spokane, Wash.
Filed December 11, 1925. Serial No. 224,583. PUBLISHED MARCH 16, 1926.

213,405. DOLL WIGS. ROSEN & JACOBY, New York, N. Y.
Filed December 19, 1925. Serial No. 224,931. PUBLISHED MARCH 16, 1926.

213,406. FERTILIZER. NITRATE AGENCIES COMPANY, New York, N. Y.
Filed October 24, 1925. Serial No. 222,274. PUBLISHED MARCH 9, 1926.

213,407. ARCH SUPPORTS. THE OHIO TRUSS COMPANY, Cincinnati, Ohio.
Filed March 7, 1925. Serial No. 210,683. PUBLISHED MARCH 9, 1926.

213,408. CERTAIN NAMED RUBBER SUNDRIES. S. B. BONIS, Newark, N. J.
Filed November 19, 1925. Serial No. 223,500. PUBLISHED MARCH 9, 1926.

213,409. VARNISHLIKE LIQUID FOR CEDARIZING WOOD. THE DON-O-LAC CO. INC., Rochester, N. Y.
Filed December 11, 1925. Serial No. 224,551. PUBLISHED MARCH 16, 1926.

213,410. TEA, COFFEE, COCOA, FLAVORING EXTRACTS FOR FOODS, SPICES, GROUND CHOCOLATE, MARSHMALLOW CREME. HAROLD S. CHAMBERLIN, doing business as Harold S. Chamberlin Company, Long Beach, Calif.
Filed December 21, 1925. Serial No. 224,955. PUBLISHED MARCH 9, 1926.

213,411. OVERALLS, JACKETS, PLAY SUITS, AND YOUTHS' OVERALLS AND JACKETS. SHELBYVILLE OVERALL COMPANY, Shelbyville, Ind.
Filed September 14, 1925. Serial No. 220,256. PUBLISHED MARCH 9, 1926.

213,412. ELECTRICAL THERAPEUTIC APPARATUS. THE E. R. V. CORPORATION, Detroit, Mich.
Filed October 5, 1925. Serial No. 221,245. PUBLISHED MARCH 9, 1926.

213,413. MALT SIRUP FOR FOOD PURPOSES. A. A. JUNG, San Antonio, Tex.
Filed October 10, 1925. Serial No. 221,553. PUBLISHED MARCH 9, 1926.

213,414. CANNED FRUITS, CANNED VEGETABLES, AND CANNED BERRIES. FENNVILLE CANNING CO., Fennville, Mich.
Filed October 5, 1925. Serial No. 221,247. PUBLISHED MARCH 9, 1926.

213,415. CANNED, SMOKED, SALTED, AND FRESH SEA FOODS — NAMELY, FISH, FISH FILETS, FISH STEAKS, FISH ROE, SHRIMPS, CLAMS, OYSTERS, LOBSTERS, AND CRABS. GENERAL SEAFOODS CORPORATION, Gloucester, Mass.
Filed December 24, 1925. Serial No. 225,117. PUBLISHED MARCH 9, 1926.

213,416. HOSIERY FOR MEN, WOMEN, AND CHILDREN; UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; SWEATERS FOR MEN, WOMEN, AND CHILDREN; DRESS AND WORK SHIRTS FOR MEN AND CHILDREN, PANTS AND OVERALLS FOR MEN AND CHILDREN. SMITH, GORMLY CO., INC., Rochester, N. Y.
Filed November 25, 1925. Serial No. 223,874. PUBLISHED MARCH 16, 1926.

213,417. WOMEN'S HATS. MARY E. HEINRICH, New York, N. Y.
Filed November 20, 1925. Serial No. 223,579. PUBLISHED MARCH 9, 1926.

213,418. OUTER DRESS, NEGLIGEE, SPORT, AND WORK SHIRTS. THE COMMERCIAL SHIRT CORP., New York, N. Y.
Filed November 3, 1925. Serial No. 222,730. PUBLISHED MARCH 16, 1926.

213,419. LINGERIE. FREDERICK D. SPRUANCE, Philadelphia, Pa.
Filed October 27, 1925. Serial No. 222,412. PUBLISHED MARCH 16, 1926.

213,420. WOMEN'S AND CHILDREN'S HATS. SAMUEL SCHNEIDER, doing business as S. Schneider & Company, Chicago, Ill.
Filed October 26, 1925. Serial No. 222,343. PUBLISHED MARCH 9, 1926.

213,421. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed October 7, 1925. Serial No. 221,847. PUBLISHED MARCH 16, 1926.

213,422. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed September 25, 1925. Serial No. 220,756. PUBLISHED MARCH 16, 1926.

213,423. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed September 25, 1925. Serial No. 220,755. PUBLISHED MARCH 16, 1926.

213,424. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed September 21, 1925. Serial No. 220,544. PUBLISHED MARCH 9, 1926.

213,425. SHOES MADE OF LEATHER OR RUBBER AND FABRIC OR A COMBINATION OF THOSE MATERIALS. J. K. ORR SHOE COMPANY, Atlanta, Ga.
Filed August 29, 1925. Serial No. 219,551. PUBLISHED NOVEMBER 3, 1925.

213,426. APRONS, BIBS, PAPER SLIPPERS, COMBINATION PAPER SLIPPERS AND CASE, AND CAPES. RELIANCE PAPER CO., Marinette, Wis.
Filed August 21, 1925. Serial No. 219,203. PUBLISHED MARCH 16, 1926.

213,427. DRESS, NEGLIGEE, AND WORK SHIRTS, PYJAMAS AND NIGHTGOWNS. I. JANOV AND CO., Hazleton, Pa.
Filed August 5, 1925. Serial No. 218,415. PUBLISHED MARCH 16, 1926.

213,428. MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING. WILSON & GLENNY, LIMITED, Hawick, Scotland.
Filed August 3, 1925. Serial No. 218,349. PUBLISHED MARCH 16, 1926.

213,429. UNDERWEAR FOR MEN AND BOYS—NAMELY, KNITTED AND NAINSOOK UNION SUITS, KNITTED AND NAINSOOK UNDERSHIRTS, AND KNITTED AND NAINSOOK DRAWERS. COLLEGIAN UNDERWEAR CO., New York, N. Y.
Filed August 3, 1925. Serial No. 218,292. PUBLISHED MARCH 16, 1926.

213,430. GOWNS, WOMEN'S AND CHILDREN'S HATS, LINGERIE, SHAWLS, AND SCARFS. ELIZABETH K. ANDREWS, Chattanooga, Tenn.
Filed July 30, 1925. Serial No. 218,095. PUBLISHED MARCH 16, 1926.

213,431. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES; MEN'S HATS, AND MEN'S AND BOYS' DRESS SHIRTS. EDWARD GOLDBURG, Eagle Pass, Tex.
Filed July 10, 1925. Serial No. 217,147. PUBLISHED FEBRUARY 23, 1926.

213,432. PYJAMAS. STEINER & SON, INC., Asbury Park, N. J.
Filed June 5, 1925. Serial No. 215,388. PUBLISHED MARCH 16, 1926.

213,433. LADIES' AND MISSES' DRESSES. STRATFORD COSTUMES, INC., New York, N. Y.
Filed May 22, 1925. Serial No. 214,755. PUBLISHED MARCH 16, 1926.

213,434. ARTIFICIAL-SILK KNITTED FABRIC. NATHAN HALPERIN, doing business as Halperin Mills, Brooklyn, N. Y.
Filed January 27, 1925. Serial No. 208,705. PUBLISHED MARCH 16, 1926.

213,435. LOAN SYSTEMS SOLD TO THE TRADE AS SUCH, COMPRISING PASS BOOKS, LETTERHEADS, NOTE FORMS, NOTE NOTICES, AND CERTIFICATES OF DEPOSIT. THE HOOD FINANCE CORPORATION, Goldsboro, N. C.
Filed November 14, 1924. Serial No. 205,274. PUBLISHED FEBRUARY 23, 1926.

213,436. DURUM SEMOLINA USED FOR MAKING MACARONI AND AS A BASE FOR STOCK FEED. BROENNIMAN COMPANY, INC., New York, N. Y.
Filed January 11, 1926. Serial No. 225,765. PUBLISHED MARCH 9, 1926.

213,437. BIRD FOOD. BURNETT'S INC., Newark, N. J.
Filed January 11, 1926. Serial No. 225,768. PUBLISHED MARCH 9, 1926.

213,438. CHILDREN'S NAINSOOK UNION SUITS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 18, 1926. Serial No. 226,051. PUBLISHED MARCH 16, 1926.

213,439. DRESS, NEGLIGEE, AND WORK SHIRTS. I. JANOV & COMPANY, Hazleton, Pa.
Filed January 19, 1926. Serial No. 226,104. PUBLISHED MARCH 16, 1926.

213,440. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed January 22, 1926. Serial No. 226,229. PUBLISHED MARCH 16, 1926.

213,441. HOSIERY. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 23, 1926. Serial No. 226,307. PUBLISHED MARCH 16, 1926.

213,442. LADIES' UNDERGARMENTS—VIZ, BLOOMERS, STEP-INS, VESTS, AND PRINCESS SLIPS. NORWICH KNITTING CO., doing business as The Betsy-knit Company, Norwich, N. Y.
Filed January 28, 1926. Serial No. 226,556. PUBLISHED MARCH 16, 1926.

213,443. MEN'S AND BOYS' SUITS, COATS, TROUSERS, OVERCOATS, AND RAINCOATS. ZURKOW & SON, INCORPORATED, New York, N. Y.
Filed February 1, 1926. Serial No. 226,757. PUBLISHED MARCH 16, 1926.

213,444. CHILDREN'S STOCKINGS. CHAS. SARFERT, doing business as Garland Hosiery Mills, Philadelphia, Pa.
Filed February 5, 1926. Serial No. 226,918. PUBLISHED MARCH 16, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

213,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELTOX RUG COMPANY, Oshkosh, Wis. Filed Apr. 3, 1925. Serial No. 212,123.

DELHI

Particular description of goods.—Grass Rugs.
Claims use since Mar. 4, 1925.

213,446. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES A. ROOK, Los Angeles, Calif. Filed May 20, 1925. Serial No. 214,620.

SILVERBRONZ

Particular description of goods.—Engine Pistons.
Claims use since Mar. 25, 1925.

213,447. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed June 22, 1925. Serial No. 216,160.

DRYDEN

Particular description of goods.—Hoof Pads.
Claims use since on or about 1902.

213,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELBERT N. STIDD, Portland, Oreg. Filed July 6, 1925. Serial No. 216,948.

Stidd's

Particular description of goods.—Canned Tamales.
Claims use since Apr. 18, 1925.

213,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT K. ANDERSON, doing business as H. K. Anderson Bakery, Lancaster, Pa. Filed Aug. 20, 1925. Serial No. 219,104.

"Quality in Every Curve"

Particular description of goods.—Pretzels.
Claims use since Apr. 1, 1923.

213,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALDEN PRODUCTS COMPANY, INC., Orange, N. J. Filed Oct. 27, 1925. Serial No. 222,361.

Mrs. Alden's

Particular description of goods.—Mayonnaise, Catchup, Chili Sauce, Olives, Maraschino Cherries, Chopped Olive Meat, Bottled Onions, Bottled Sweet Gherkins, Russian Dressing, Horse-Radish, Pickles, Sweet Relish Comprised of Chopped Pickle, Canned Tomatoes, Worcestershire Sauce, Canned Purée.
Claims use for not less than one year.

213,451. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Oct. 31, 1925. Serial No. 222,610.

Whiteplus

Particular description of goods.—Paint Enamel.
Claims use since Apr. 16, 1925.

213,452. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DAVEGA, INC., New York, N. Y. Filed Mar. 9, 1926. Serial No. 228,360.

Wicklow

Particular description of goods.—Golf Clubs and Golf Balls.
Claims use since January, 1921.

213,453. (CLASS 34 HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SAMUEL SPROAT, doing business as Ward Heater Company, Los Angeles, Calif. Filed Jan. 14, 1926. Serial No. 225,944.

WARD

Particular description of goods.—Gas Heaters.
Claims use since Jan. 1, 1919.

213,454. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE GRAF, Bozeman, Mont. Filed Jan. 22, 1926. Serial No. 226,244.

VITA-MILK

Particular description of goods.—Bread.
Claims use since Sept. 1, 1921.

213,455. (CLASS 39. CLOTHING.) SARUBBI SHOES, INC., New York, N. Y. Filed Feb. 3, 1926. Serial No. 226,827.

PARIS
CLING-TITE

Particular description of goods.—Shoes of Leather and Fabric.
Claims use since January, 1925.

213,456. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHREDDED WHEAT COMPANY, Niagara Falls, N. Y. Filed Feb. 18, 1926. Serial No. 227,479.

SHREDDED WHEAT

Particular description of goods.—Biscuits, Crackers, and Cereal Foods Cooked or Prepared for Consumption.
Claims use since Jan. 1, 1894.

213,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Apr. 9, 1926. Serial No. 229,923.

DEL MAIZ

Particular description of goods.—Canned Corn.
Claims use since May 3, 1923.

213,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER R. MEIER, doing business as Meier Ice Cream Company, Waukesha, Wis. Filed Feb. 23, 1926. Serial No. 227,660.

Waukesha

Particular description of goods.—Ice Cream and Butter in Cartons.
Claims use since 1923.

213,459. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HYDRAULIC PRESS MANUFACTURING COMPANY, Mount Gilead, Ohio. Filed Feb. 27, 1926. Serial No. 227,891.

FOR YOUR PRESSING NEEDS

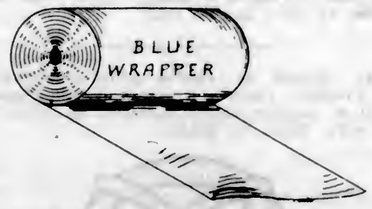
Particular description of goods.—Hydraulic Equipment—Namely, Presses, Pumps, Valves, Accumulators, and Intensifiers.
Claims use since Mar. 1, 1923.

213,460. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE WEBSTER COAL AND SUPPLY COMPANY, Youngstown, Ohio. Filed Mar. 8, 1926. Serial No. 228,347.

HEATMOR

Particular description of goods.—Fuels Used for Heating Purposes—Namely, Wood, Coal, and Combustible Vegetable Materials Wherein The Same Have Been Tested for Heat-Yielding Qualities.
Claims use since Feb. 10, 1923.

213,461. (CLASS 37. PAPER AND STATIONERY.) PAWTUCKET GLAZED PAPER COMPANY, Pawtucket, R. I. Filed Nov. 2, 1925. Serial No. 222,701.



Particular description of goods.—Glazed, Plated, and Embossed Paper-Box-Covering Paper.
Claims use since May 8, 1923.

213,462. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn. Filed Mar. 12, 1926. Serial No. 228,573.

WAVY SET

Particular description of goods.—Hack-Saw Blades.
Claims use since about Jan. 21, 1925.

213,463. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN A. TOPPING, Nyack, N. Y. Filed Dec. 14, 1923. Serial No. 189,699.

LOK-TOP

Particular description of goods.—Shingles Made of Heavy Felt Impregnated with Highest Grade Asphalt and Surfaced Under Pressure with Slate Flakes.
Claims use since March, 1923.

213,464. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925. Serial No. 212,797.

WORTH

Particular description of goods.—Perfumery Atomizers.
Claims use since Mar. 10, 1924.

213,465. (CLASS 39. CLOTHING.) B. KUPPENHEIMER & CO., INC., Chicago, Ill. Filed May 18, 1925. Serial No. 214,484.

VENICE BLUE

Particular description of goods.—Men's and Boys' Coats, Vests, Trousers, and Overcoats.
Claims use since Apr. 14, 1925.

213,466. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM PORTER MASON, Norfolk, Va. Filed Jan. 28, 1925. Serial No. 208,768.

MULTI-KLEEN'R

Particular description of goods.—A Liquid Composition for Cleaning Typewriters, Multigraphs, Etc.
Claims use since Dec. 15, 1924.

213,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925. Serial No. 212,795.

WORTH

Particular description of goods.—Perfumes and Hygienic Products—Namely, Bath Salts, Cold Creams, Face Packs, Compacts, Skin Creams, Shampoos, Talcum Powders, Eyedrops, Toilet Waters, Smelling Salts, Aromatic Vinegars, Face Powders, Rouges, Beauty Clay, Vanishing Creams, Facial Paints, Sachets, Skin Bleaches, Lip Sticks, Eyebrow Pencils, and Hair, Face, Hand, and Foot Lotions.
Claims use since Mar. 10, 1924.

213,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed Apr. 4, 1925. Serial No. 212,207.

NEURO FOSFATO

Particular description of goods.—Medicines for Diseases of the Nervous System
Claims use since Feb. 12, 1925.

213,469. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) NOAH ALBERS, Dime Box, Tex. Filed Mar. 23, 1926. Serial No. 229,016.

Nu-Scalp

Particular description of goods.—Hair Tonic.
Claims use since Mar. 1, 1925.

213,470. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TERNSTEDT MANUFACTURING CO., Detroit, Mich. Filed Mar. 24, 1926. Serial No. 229,133.

HEVY DUTY

Particular description of goods.—Automobile Body Hardware, Comprising Window Regulators and Parts Thereof, Window-Regulator Handles, Piano Hinges, Door Handles, Door Bumpers, Door Hinges, Doorchecks, Curtain Rolls, Pull-To Handles, Kick Plates, and Foot Rests.
Claims use since Feb. 1, 1924.

213,471. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PHIL S. CARNEY, doing business as Veri-Best Beverage Company, Brackenridge, Pa. Filed Feb. 17, 1926. Serial No. 227,389.

Particular description of goods.—Nonalcholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Feb. 19, 1925.

213,472. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) Mrs. ROXIE THORSON, doing business as Thorson's Soap Lake Products Co., Soap Lake, Wash. Filed Feb. 24, 1926. Serial No. 227,758.

THORSON'S SOAP LAKE

Particular description of goods.—A Salt Adapted to be Dissolved in Water to Form a Solution for Internal and External Use in the Treatment of Certain Ailments, Such as Blood Pressure, Biliousness, Boils and Pimples, Colds, Constipation, Catarrh of the Stomach and Head, General Debility, Diabetes, Dizziness, Dropsy, Dyspepsia, Eczema, Female Weakness and Inflammation, Gastritis, Gallstones, Gout, Hives, Dandruff, Indigestion, Intestinal Trouble, Itch, Influenza, Jaundice, Kidney Trouble, Bladder Trouble, Liver Complaints, La Grippe, Lumbago, Neuritis, Obesity, Pleurisy, Piles, Poor Circulation, Rash, Ringworms, Rheumatism, Sciatica, Scrofula, Stomach Trouble, Ulcers, Worms.
Claims use since April, 1917.

213,473. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) H. W. BAKER LINEN COMPANY, New York, N. Y. Filed Apr. 18, 1925. Serial No. 212,881.

SERV-WEL

Particular description of goods.—Sheets and Pillowcases.
Claims use since Apr. 7, 1925.

213,474. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIZABETH E. CLARK, Paterson, N. J. Filed Apr. 5, 1926. Serial No. 229,665.

Clark's Food

Particular description of goods.—A Food for Infants and Invalids.
Claims use since 1900.

213,475. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. P. FULLER & CO., San Francisco, Calif. Filed Oct. 20, 1925. Serial No. 222,024.

CONCRETE-SEAL

Particular description of goods.—Ready-Mixed Paint.
Claims use since January, 1924.

213,476. (CLASS 39. CLOTHING.) GRUNHUT & LEICH, New York, N. Y. Filed Mar. 13, 1926. Serial No. 228,606.

THE Brooklyn FLANNEL MILLS

Particular description of goods.—Men's and Boys' Work Shirts, Cotton-Flannel, Cotton and Wool, and All-Wool Shirts; Men's, Ladies', Boys', and Girls' Wind-Breakers and Lumberjacks.
Claims use since Aug. 22, 1918.

213,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH OTTENBERG, Washington, D. C. Filed Mar. 16, 1926. Serial No. 228,723.

OTTENBERG'S
אטענבערג'ס ברויט
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Particular description of goods.—Bread, Cakes, Pies, and Rolls.
Claims use since June 15, 1911.

213,478. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Apr. 22, 1925. Serial No. 213,109.

REXFORD

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 25, 1925.

213,479. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SIDNEY ROSENSTEIN, doing business as Ownname Renewable Matchbook Co., New York, N. Y. Filed May 2, 1925. Serial No. 213,737.

OWNAME

Particular description of goods.—Matches.
Claims use since Mar. 20, 1925.

213,480. (CLASS 37. PAPER AND STATIONERY.) CHILTON PEN COMPANY, Boston, Mass. Filed June 18, 1925. Serial No. 215,968.

Chilton

Particular description of goods.—Fountain Pens and Pencils.
Claims use since Oct. 1, 1924.

213,481. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed Dec. 12, 1923. Serial No. 189,561.

FEATHER-WEIGHT

Particular description of goods.—Wrapping Paper.
Claims use since 1913.

213,482. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN TODD, INC., Springfield, Mass. Filed Mar. 6, 1926. Serial No. 228,246.

John Todd

Particular description of goods.—Ginger Ale and Sirup for Making Same.
Claims use since Oct. 1, 1924.

213,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Mar. 11, 1926. Serial No. 228,465.

PRAGUE SALT

No claim is made to the word "Salt" except as associated with the rest of the mark.
Particular description of goods.—Salt.
Claims use since Feb. 19, 1925.

213,484. (CLASS 39. CLOTHING.) DR. A. POSNER SHOES, INC., New York, N. Y. Filed Mar. 27, 1925. Serial No. 211,759.

GARTATOP

Particular description of goods.—Infants', Children's, Misses', Boys', and Young Ladies' Socks and Stockings.
Claims use since Dec. 29, 1924.

213,485. (CLASS 32. FURNITURE AND UPHOLSTERY.) BESANCENEZ & DALE, Clayton, Mo. Filed Mar. 21, 1925. Serial No. 211,401.

CLEAN COMFORTABLE CONVENIENT
CHILD-CHAIR-CARRIER

Particular description of goods.—An Auxiliary Seat for Barber Chairs.
Claims use since Feb. 26, 1925.

213,486. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RUSSELL PLAYING CARD CO., Milltown, N. J. Filed Mar. 10, 1925. Serial No. 210,811.

Twin-Dex

Particular description of goods.—Playing Cards.
Claims use since Feb. 28, 1925.

213,487. (CLASS 39. CLOTHING.) WALTER H. GEISEL, Washington, D. C. Filed Jan. 10, 1925. Serial No. 207,928.

Every Publicity Effort From Our Shop Bears This Feature: "EXCELLENCE"

The Usona Shop
THE HOUSE OF "QUALITY & EFFICIENCY"

Particular description of goods.—Hemstitched and Plaited Goods—Namely, Goods Cut for Robes, Dresses, Underskirts, and Waists and Formed with Plaits; Goods Cut for Robes, Dresses, Skirts, "Teddies" and Lingerie and Hemstitched; Dresses, Underskirts, "Teddies" and Lingerie Re-Formed with Hemstitched Ornamentation; Skirts and Robes Re-Formed with Plaits.
Claims use since Jan. 6, 1925.

213,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN RICKER, Indianapolis, Ind. Filed June 26, 1925. Serial No. 216,478.

RICKER'S

Particular description of goods.—Medical Chewing Gum Used for Pyorrhea, Bleeding Gums, Sore Mouth, and Loose Teeth.
Claims use since Jan. 1, 1923.

213,489. (CLASS 39. CLOTHING.) WEE WOMEN, INC., New York, N. Y. Filed July 15, 1925. Serial No. 217,436.

Wee Women

Particular description of goods.—Coats and Suits for Small Women.
Claims use since Apr. 7, 1925.

213,490. (CLASS 39. CLOTHING.) PAUL KAMINSKY & CO., New York, N. Y. Filed July 21, 1925. Serial No. 217,674.

XEPTIONL CLOTHES

Particular description of goods.—Men's and Youths' Suits, Topcoats, and Overcoats.
Claims use since February, 1925.

213,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILKES-BARRE MAID CANDY COMPANY, INC., Wilkes-Barre, Pa. Filed July 24, 1925. Serial No. 217,843.

"Bucky" Harris

Particular description of goods.—Candy Bar Made of Cream, Butterscotch, Coconut, Peanuts, and Chocolate.
Claims use since Apr. 2, 1925.

TRADE-MARK REGISTRATIONS RENEWED

27,411. BICYCLES. Registered December 3, 1895. CROWN CYCLE COMPANY. Renewed December 3, 1925, to Great Western Manufacturing Company, La Porte, Ind., a Corporation of Indiana, successors.

27,727. THREADS OF ALL KINDS. Registered February 4, 1896. JONATHAN HARRIS & SONS LTD., Cockermouth, England, a Corporation of Great Britain. Renewed February 4, 1926.

27,875. STEAM TRAPS. Registered February 25, 1896. HOLDEN & BROOKS, LIMITED, Manchester, England, a Corporation of Great Britain. Renewed February 25, 1926.

27,932. BULGARIAN EMBROIDERY AND EMBROIDERY YARN. Registered March 10, 1896. FREDERICK SCHULEMANN. Renewed March 10, 1926, to The F. Schulemann Co., New York, N. Y., a Corporation of New York, assignee.

27,975. HEEL PLATES FOR BOOTS OR SHOES. Registered March 17, 1896. LOUIS SACKS. Renewed March 17, 1926, to Louis Sacks, Inc., Newark, N. J., a Corporation of New Jersey, successor.

28,047. AN ANTISEPTIC AND GERMICIDAL PREPARATION, Registered March 31, 1896. FREDERICK W. R. ESCHMANN. Renewed March 31, 1926, to The Palisade Manufacturing Company, Inc., Yonkers, N. Y., a Corporation of New York, assignee.

28,065. REMEDIES FOR HEADACHE, DYSPEPSIA, RHEUMATISM, AND DISEASES OF THE BLOOD, THROAT, AND LUNGS. Registered March 31, 1896. JAMES L. HOFFMAN. Renewed March 31, 1926, to J. L. Hoffman Company, Allentown, Pa., a Corporation of Pennsylvania, assignee.

28,076. RUBBER SHOES. Registered April 7, 1896. BOSTON RUBBER SHOE COMPANY, Boston, Mass. Renewed April 7, 1926, to Boston Rubber Shoe Company, Malden and Melrose, Mass., a Corporation of Massachusetts.

28,240. GRASS SEED. Registered May 12, 1896. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed May 12, 1926.

28,254. BARBED WIRE, PLAIN WIRE, WIRE NAILS, STAPLES AND BALE TIES. Registered May 12, 1896. CONSOLIDATED BARB WIRE CO., Lawrence, Kans. Renewed May 12, 1926, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a Corporation of New Jersey, assignee.

28,274. HOMEOPATHIC MEDICINES, DIETETIC PREPARATIONS, AND BOOKS. Registered May 19, 1896. HOMOEOPATHISCHE CENTRAL-APOTHEKE, Leipzig, Germany. Renewed May 19, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,348. A MEDICAL COMPOUND TO BE USED AS AN ASTRINGENT. Registered June 2, 1896. KNOLL & CO., Ludwigshafen-on-the-Rhine, Germany. Renewed June 2, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,394. CIGARS. Registered June 16, 1896. EUGENE VALLENS & Co., Chicago, Ill., and New York, N. Y. Renewed June 16, 1926, to American Cigar Company, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

28,431. A CHEMICAL PREPARATION. Registered June 23, 1896. CHEMISCHE FABRIK AUF ACTIEN VORMALS E. SCHERING, Berlin, Germany. Renewed June 23, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,438. ANÆSTHETICS. Registered June 23, 1896. CHEMISCHE FABRIK AUF ACTIEN VORMALS E. SCHERING, Berlin, Germany. Renewed June 23, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,450. WHEAT FLOUR. Registered June 23, 1896. WASHBURN CROSBY COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed June 23, 1926.

28,469. GOLD AND SILVER JEWELRY, FLAT AND HOLLOW SILVERWARE, WATCH MOVEMENTS, AND SOLID GOLD AND SILVER AND FILLED WATCH-CASES. Registered June 30, 1896. M. EISENSTADT JEWELRY COMPANY. Renewed June 30, 1926, to Eisenstadt Manufacturing Company, St. Louis, Mo., a Corporation of Missouri, successor.

28,495. PERFUMERY AND TOILET ARTICLES. Registered June 30, 1896. RICHARD HUDNUT. Renewed June 30, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

28,501. PHARMACEUTICAL PREPARATIONS IN THE FORM OF TABLETS. Registered June 30, 1896. THE FIRM OF G. GEORGI, Rudebeul, near Dresden, Germany. Renewed June 30, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,551. COLOGNE AND PERFUMERY. Registered July 7, 1896. RICHARD HUDNUT. Renewed July 7, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

28,583. SHIRTINGS AND SHEETINGS. Registered July 14, 1896. WAMSUTTA MILLS, New Bedford, Mass., a Corporation of Massachusetts. Renewed July 14, 1926.

28,616. CARPET SWEEPERS. Registered July 14, 1896. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich., and New York, N. Y. Renewed July 14, 1926, to Bissell Carpet Sweeper Co., Grand Rapids, Mich., a Corporation of Michigan.

28,683. SCALP TONICS. Registered July 28, 1896. ELIAS W. KNOWLTON, Guthrie, Okla. Renewed July 28, 1926, to Sterling Products (Incorporated), Wheeling, W. Va., a Corporation of West Virginia, assignee by mesne assignments.

28,690. SALTED AND BONELESS FISH. Registered July 28, 1896. J. W. Beardsley's Sons, New York, N. Y. Renewed July 28, 1926, to J. W. Beardsley's Sons, Newark, N. J., a Corporation of New Jersey.

28,711. MALT EXTRACTS. Registered August 4, 1896 THE ENGLISH DIASTASIC MALT EXTRACT COMPANY, LIMITED, Mistley, England. Renewed August 4, 1926, to Edme Limited, London, England, a Corporation of Great Britain, successor.

28,717. ROUND OR OBLONG PIECES OF CANDY ATTACHED TO THE END OF STICKS. Registered August 4, 1896. JOHN F. BIRKMEYER & SONS, Baltimore, Md. Renewed August 4, 1926.

28,734. GLAZED KID. Registered August 11, 1896. G. H. MCNEELY & Co. Renewed August 11, 1926, to McNeely & Price, Philadelphia, Pa., assignee.

28,756. SPRAYING NOZZLES. Registered August 11, 1896. THE DEMING COMPANY, Salem, Ohio, a Corporation of Ohio. Renewed August 11, 1926.

28,777. CERTAIN NAMED BAKERS' PRODUCTS AND CONFECTIONERY AND MEDICATED CANDY. Registered August 18, 1896. AMERICAN BISCUIT AND MANUFACTURING CO., Chicago, Ill. Renewed August 18, 1926, to National Biscuit Company, New York, N. Y., a Corporation of New Jersey, successor.

28,802. ROOFING SLATES, SAWED AND PLAIN, AND RUBBER-FINISHED SLATES AND SLATE SLABS. Registered August 18, 1896. THE CHAPMAN SLATE COMPANY, Chapman and Philadelphia, Pa., and New York, N. Y. Renewed August 18, 1926, to The Chapman Slate Company, Bethlehem, Pa., a Corporation of Pennsylvania.

28,890. COLLARS AND CUFFS. Registered September 29, 1896. EARL & WILSON. Renewed September 29, 1926, to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York, assignee.

28,941. SALVE. Registered October 6, 1896. JULIA A. O'KEEFE, Randolph, Mass. Renewed October 6, 1926.

28,962. TEA. Registered October 6, 1896. PETER C. LARKIN, Toronto, Canada. Renewed October 6, 1926, to Salada Tea Company, Boston, Mass., a Corporation of Maine, assignee.

28,973. EMERY AND CORUNDUM WHEELS. Registered October 6, 1896. THE ELECTRIC EMERY WHEEL COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed October 6, 1926.

48,818. PATENT LEATHER, CALFSKINS, AND WAXED CALFSKINS. Registered January 16, 1906. CORNELIUS HEYL. Renewed January 16, 1926, to Cornelius Heyl Aktiengesellschaft, Worms, Germany, a Corporation of Germany, assignee.

49,118. ALTERATIVE MEDICINE. Registered January 23, 1906. BILLINGS CLAPP COMPANY. Renewed January 23, 1926, to Billings Clapp & Company, Inc., Boston, Mass., a Corporation of Massachusetts, successor.

49,774. COTTON DUCK. Registered February 13, 1906. MOUNT VERNON-WOODBERRY COTTON DUCK COMPANY. Renewed February 13, 1926, to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a Corporation of Maryland, assignee.

49,792. LEATHER BLANKS, SOLES, AND TAPS. Registered February 20, 1906. DANIEL FORBES COMPANY. Renewed February 20, 1926, to Daniel Forbes Co., Chicago, Ill., a Corporation of Illinois.

50,806. HAIR CLIPPERS. Registered April 3, 1906. BROWN & SHARPE MFG. CO., Providence, R. I., a Corporation of Rhode Island. Renewed April 3, 1926.

50,940. HAIR-COLOR RESTORER OR HAIR DYE. Registered April 3, 1906. HENRY A. MAYOR, Kansas City, Mo. Renewed April 3, 1926.

50,954. PRINTED BOOKS. Registered April 3, 1906. VEDANTA SOCIETY, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,012. CHOCOLATE, COCOA, AND SWEET CHOCOLATE. Registered April 3, 1906. WILLIAM H. BAKER, Winchester, Va. Renewed April 3, 1926, to W. H. Baker, Inc., Red Hook, N. Y., a Corporation of New York, successor.

51,893. SOFT AND STIFF FELT HATS AND CAPS. Registered April 24, 1906. JOHN B. STETSON COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed April 24, 1926.

51,959. NONALCOHOLIC TONIC BEVERAGES. Registered May 1, 1906. CALEB D. BRADHAM, New Bern, N. C. Renewed May 1, 1926, to Craven Holding Corporation, Norfolk, Va., a Corporation of Virginia, assignee by mesne assignments.

52,592. PETROLEUM LUBRICATING OILS. Registered May 15, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed May 15, 1926, to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas.

52,782. BEEF EXTRACTS AND BEEF, IRON, AND WINE. Registered May 15, 1906. LIEBIG EXTRACT COMPANY. Renewed May 15, 1926, to Liebig Products Co. Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

52,978. SCRAPPLE. Registered May 22, 1906. THOMAS HARRIS, New York, N. Y. Renewed May 22, 1926.

53,272. HOSE SUPPORTERS. Registered May 29, 1906. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 29, 1926.

53,737. MIXED LIQUID PAINT. Registered June 12, 1906. VANE-CALVERT PAINT CO., St. Louis, Mo., a Corporation of Missouri. Renewed June 12, 1926.

54,211. COTTON DAMASK. Registered June 19, 1906. ROSEMARY MANUFACTURING COMPANY, Roanoke Rapids, N. C., a Corporation of North Carolina. Renewed June 19, 1926.

54,343. INSECTICIDES. Registered June 26, 1906. B. G. PRATT COMPANY, New York, N. Y., a Corporation of New Jersey. Renewed June 26, 1926.

54,381. WHEAT FLOUR. Registered June 26, 1906. THE MOHNS-FRESE COMMERCIAL COMPANY. Renewed June 26, 1926, to Mohns Commercial Company, San Francisco, Calif., a Corporation of California, successor.

54,415. SOAP FOR TOILET, LAUNDRY, AND GENERAL USE. Registered June 26, 1906. THE PROCTER & GAMBLE CO., Ivorydale and Cincinnati, Ohio, and Kansas City, Kans. Renewed June 26, 1926, to The Procter & Gamble Company, Cincinnati, Ohio, a Corporation of Ohio.

54,871. TOOL STEEL. Registered July 31, 1906. FIRTH STERLING STEEL COMPANY, Pittsburgh, Pa. Renewed July 31, 1926, to Firth-Sterling Steel Company, McKeesport, Pa., a Corporation of Pennsylvania.

55,199. A TONIC BEVERAGE. Registered August 7, 1906. CALEB D. BRADHAM, New Bern, N. C. Renewed August 7, 1926, to Pepsi-Cola Corporation, Richmond, Va., a Corporation of Virginia, assignee by mesne assignments.

55,307. WRAPPING PAPER. Registered August 14, 1906. THE DAYTON PAPER NOVELTY CO., Dayton, Ohio, a Corporation of Ohio. Renewed August 14, 1926.

55,838. CANDY. Registered August 21, 1906. FREDERICK M. SWITZER, doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Renewed August 21, 1926.

56,147. COTTON DAMASK. Registered August 28, 1906. ROSEMARY MANUFACTURING COMPANY, Roanoke Rapids, N. C., a Corporation of North Carolina. Renewed August 28, 1926.

LABELS

REGISTERED MAY 25, 1926.

30,373.—*Title:* DR. A. B. CARTER'S WORLD FAMOUS BUNION REMEDY. For a Medicinal Preparation. Dr. AARON B. CARTER, Chicago, Ill. Published January 17, 1926.

30,374.—*Title:* KOOK-RITE. For Macaroni Elbows. CUMBERLAND MACARONI MFG. COMPANY, Cumberland, Md. Published January 2, 1925.

30,375.—*Title:* KIDDIE PACK. For Candy. FOSTER & ORDAR, San Francisco, Calif. Published August 12, 1925.

30,376.—*Title:* FRISCH PROCESS. For Bread. EMILE FRISCH, Chicago, Ill. Published March 26, 1926.

30,377.—*Title:* HANDY CRAFT—THE MODERN TOY FOR THE MODERN BOY SET NO 3. For Mechanical-Toy-Construction Units. THE HART & COOLEY COMPANY, New Britain, Conn. Published February 1, 1926.

30,378.—*Title:* $1000,00 GUARANTEED FLY KILLER. For a Preparation in Liquid Form for Killing Flies. B. HELLER & COMPANY, Chicago, Ill. Published April 1, 1926.

30,379.—*Title:* LEACH'S FOOT RELIEF. For Foot Powder. J. W. LEACH, Beaumont, Tex. Published October 15, 1925.

30,380.—*Title:* EVER-SEAL. For Automobile Tire Patches. LIGHTNING MANUFACTURING CO., Joplin, Mo. Published March 15, 1926.

30,381.—*Title:* CRESCENT DAIRY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published December 28, 1925.

30,382.—*Title:* ROWNTREE'S CHU-FRUS. For Candy and Cough Drops. ROWNTREE AND COMPANY, LIMITED, Brooklyn, N. Y. Published September 24, 1925.

30,383.—*Title:* SMI-LAX TONIC AND LAXATIVE COMPOUND. For a Medicinal Preparation. LEON SMITH, doing business as Smi-Lax Medicine Co., Kannapolis, N. C. Published February 25, 1926.

30,384.—*Title:* SMUCKER'S PURE APPLE PECTIN STRAWBERRY JELLY. For Jelly in Packages. THE J. M. SMUCKER CO., Orrville, Ohio. Published March 15, 1922.

30,385.—*Title:* TRINER'S. For Triner's American Elixir of Bitter Wine. JOSEPH TRINER COMPANY, Chicago, Ill. Published February 15, 1926.

PRINTS

REGISTERED MAY 25, 1926.

8,839.—*Title:* BATTLE CREEK PURE FOOD COFFEE. For Coffee. GEORGE TAYLOR ALTER, Battle Creek, Mich. Published February 5, 1926.

8,840.—*Title:* AMONG YOUR SUMMER PLANS. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 28, 1926.

8,841.—*Title:* AN EFFECTIVE TREATMENT FOR COLIC. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 17, 1926.

8,842.—*Title:* IN L'OPERA FRANCAISE. For Stationery. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published March 1, 1926.

8,843.—*Title:* THE JOHN BUNNY CHAIR. For Chairs. JAMESTOWN UPHOLSTERY CO. INC., Jamestown, N. Y. Published November 10, 1925.

8,844.—*Title:* THE SHRINE OF THE HOME. For Upholstered Furniture. JAMESTOWN UPHOLSTERY CO. INC., Jamestown, N. Y. Published November 10, 1925.

8,845.—*Title:* LOOSE PILLOW ARM ARISTOCRAT. For Davenports. JAMESTOWN UPHOLSTERY CO. INC., Jamestown, N. Y. Published November 10, 1925.

8,846.—*Title:* A STORY OF SUCCESS FOR MAN AND TOWN. For Groceries. REID, MURDOCH & CO., Chicago, Ill. Published March 17, 1926.

8,847.—*Title:* WHEN IT'S CHRISTMAS EVE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 7, 1925.

8,848.—*Title:* WHEN THE ORCHESTRA STOPS ITS SURGE OF MUSIC. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 23, 1925.

8,849.—*Title:* WHEN WINTER'S SNOW IS FALLING OUTSIDE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published November 30, 1925.

8,850.—*Title:* WHEN YOU ENTERTAIN AT HOME. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published January 11, 1926.

8,851.—*Title:* TONGUE, BE HAPPY! For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published December 26, 1925.

8,852.—*Title:* WHEN THE FIRST GLORIOUS DAY OF GOLF IS OVER—AND THE FINAL PUTT SINKS IN THE 18TH CUP. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 1, 1926.

8,853.—*Title:* WHEN THE STRAIGHT-S BLOWS A SHOE. For a Smoking Tobacco. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published February 19, 1926.

8,854.—*Title:* "HAVE A CAMEL" THESE WORDS ARE FIRST CALL TO THE WORLD'S FINEST SMOKE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 22, 1926.

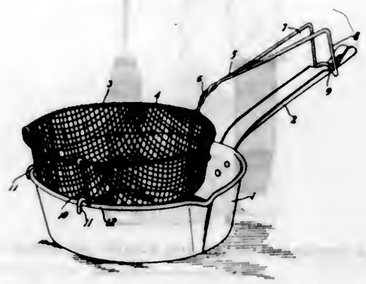
8,855.—*Title:* "HAVE A CAMEL" NO CIGARETTE SATISFIES THE TASTE LIKE A CAMEL. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published March 29, 1926.

8,856.—*Title:* "HAVE A CAMEL" NO OTHER CIGARETTE LIKE THIS WAS EVER MADE. For Cigarettes. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Published April 5, 1926.

REISSUES

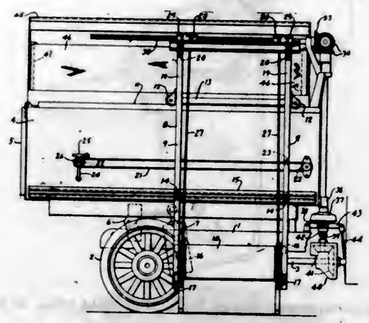
MAY 25, 1926.

16,355. FRYING BASKET. CHARLES R. JAMISON, Canton, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a Corporation of Ohio. Filed Feb. 10, 1926. Serial No. 87,443. Original No. 1,569,544, dated Jan. 12, 1926, Serial No. 50,963, filed Aug. 18, 1925. 10 Claims. (Cl. 53—7.)



1. In combination with a receptacle having a handle, a perforate basket arranged to fit within the receptacle, a handle upon the basket, and means upon the basket and basket handle for supporting the basket above the bottom of the receptacle upon the edge of the receptacle and the handle of the receptacle respectively.

16,356. SELF-LOADING VEHICLE. GEORGE W. OTTERSON, Seattle, Wash., assignor to Auto Truck Industrial Appliances, Inc., New York, N. Y., a Corporation of Delaware. Filed June 10, 1925. Serial No. 36,279. Original No. 1,548,241, dated June 12, 1923, Serial No. 636,866, filed May 5, 1923. 26 Claims. (Cl. 214—67.)

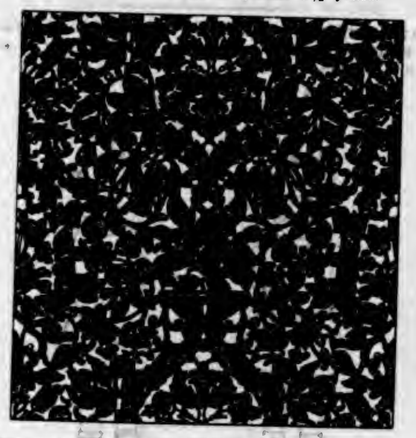


1. A self-loading vehicle having a chassis, a power shaft therein, a cargo body tiltably mounted on the chassis, a loader on the body, mechanism for driving the loader from said power shaft comprising cooperative separable driving and driven members connected respectively with said shaft and with the tiltable body, and means for separating and reconnecting said members when the tiltable body is in normal position.

DESIGNS

MAY 25, 1926.

70,205. WALL PAPER OR SIMILAR ARTICLE. HARRY T. ABOLIN, Wood Ridge, N. J., assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J., a Corporation of New Jersey. Filed Mar. 22, 1926. Serial No. 17,005. Term of patent 3½ years.

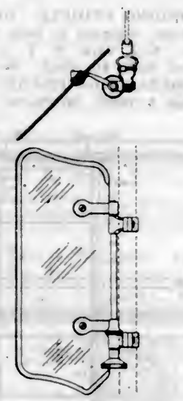


The ornamental design for a wall paper or similar article as shown.

70,206. WALL PAPER OR SIMILAR ARTICLE. HARRY T. ABOLIN, Wood Ridge, N. J., assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J., a Corporation of New Jersey. Filed Mar. 22, 1926. Serial No. 17,006. Term of patent 3½ years.

The ornamental design for a wall paper or similar article as shown.

70,207. WINDSHIELD WING. NEIL T. ALBRIGHT and BURTT J. HUBBARD, Kokomo, Ind., assignors to Kokomo Automotive Mfg. Co., Kokomo, Ind., a Corporation. Filed Jan. 30, 1923. Serial No. 5,029. Term of patent 7 years.



The ornamental design for a windshield wing, as shown.

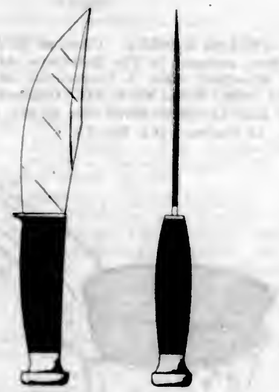
70,208. COFFEEPOT OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y. Continuation of design application Serial No. 14,579, filed Aug. 24, 1925. This application filed Mar. 22, 1926. Serial No. 17,016. Term of patent 14 years.

The ornamental design for a coffeepot or similar article as shown.

70,209. WEDDING RING. JACOB BERLINGER, Brooklyn, N. Y. Filed Apr. 19, 1924. Serial No. 9,320. Term of patent 14 years.

The ornamental design for a wedding ring, as shown.

70,210. KNIFE. ROBERT E. BROWN, Olean, N. Y. Filed Aug. 20, 1925. Serial No. 14,542. Term of patent 7 years.

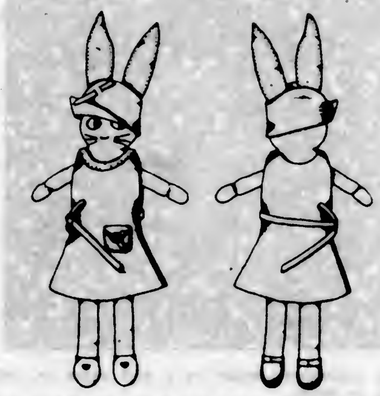


The ornamental design for a knife, as shown.

70,211. CRIB. JOHN J. BUKOLT, Stevens Point, Wis. Filed Oct. 29, 1925. Serial No. 15,289. Term of patent 3½ years.

The ornamental design for a crib, as shown.

70,212. DOLL. MYRTLE W. CALDER, Seattle, Wash. Filed Mar. 4, 1926. Serial No. 16,775. Term of patent 7 years.



The ornamental design for a doll, as shown.

70,213. STAND FOR A TABLE LAMP. THEODORE CHANOCK, Chicago, Ill. Filed Feb. 3, 1926. Serial No. 16,379. Term of patent 3½ years.

The ornamental design for a stand for a table lamp, substantially as shown.

70,214. CIGARETTE EXTINGUISHER. ROY CHENOWETH, Glendale, Calif. Filed Feb. 13, 1925. Serial No. 12,370. Term of patent 3½ years.

The ornamental design for a cigarette extinguisher, substantially as shown.

70,215. BOTTLE. JEROME P. CURRAN, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,521. Term of patent 14 years.

The ornamental design for a bottle, substantially as shown.

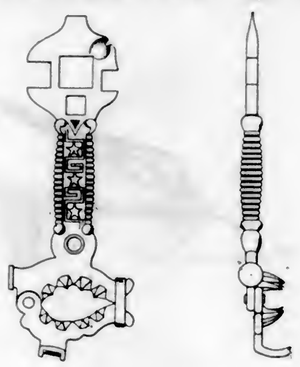
70,216. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1926. Serial No. 17,295. Term of patent 3½ years.

The ornamental design for a shoe, as shown.

70,217. FINGER RING. ISIDOR GARLIN, Brooklyn, N. Y., assignor to Silbermann, Kohn & Wallenstein, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 17,124. Term of patent 3½ years.

The ornamental design for a finger ring as shown.

70,218. COMBINATION TOOL. HENRY S. GILBERT, Chambersburg, Pa. Filed Mar. 19, 1926. Serial No. 16,986. Term of patent 7 years.

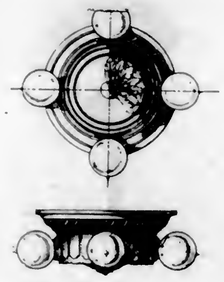


The ornamental design for a combination tool, as shown.

70,219. FINGER RING. WILLIAM A. GILL, St. Louis, Mo. Filed Oct. 22, 1923. Serial No. 7,566. Term of patent 3½ years.

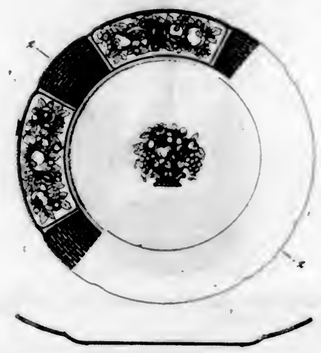
The ornamental design for a finger ring, as shown.

70,220. ELECTRIC CEILING FIXTURE. HENRY GOODFRIEND, Chicago, Ill., assignor to Unique Lamp & Casting Company, a Copartnership consisting of Henry Goodfriend, William Christensen, and Alfred E. Larsen, all of Chicago, Ill. Filed Jan. 29, 1926. Serial No. 16,318. Term of patent 3½ years.



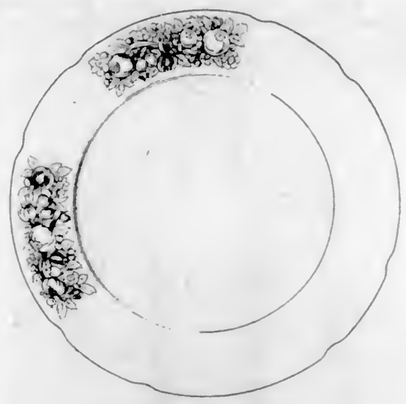
The ornamental design for an electric ceiling fixture, as shown.

70,221. PLATE OR SIMILAR ARTICLE. JOHN EDWARD GOODWIN, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1926. Serial No. 16,811. Term of patent 14 years.



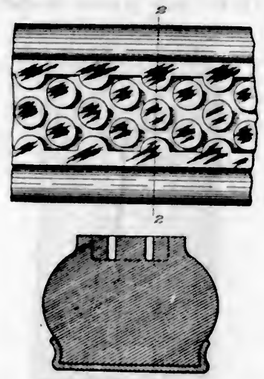
The ornamental design for a plate or similar article as shown and described.

70,222. PLATE OR SIMILAR ARTICLE. JOHN EDWARD GOODWIN, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1926. Serial No. 16,812. Term of patent 14 years.



The ornamental design for a plate or similar article as shown and described.

70,223. TIRE. SCHUYLER C. HATFIELD, Baltimore, Md. Filed May 31, 1922. Serial No. 2,471. Term of patent 14 years.

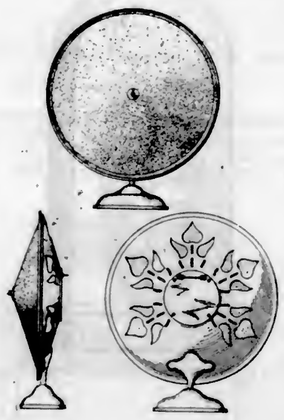


The ornamental design for a tire substantially as shown.

70,224. NAPPY. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed May 31, 1923. Serial No. 6,367. Term of patent 14 years.

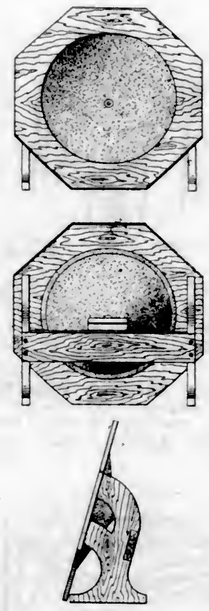
The ornamental design for a nappy, as shown.

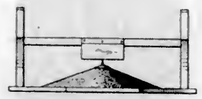
70,225. LOUD SPEAKER. MARCUS C. HOPKINS, Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Dec. 22, 1925. Serial No. 15,816. Term of patent 14 years.



The ornamental design for a loud speaker substantially as shown.

70,226. LOUD SPEAKER. MARCUS C. HOPKINS, Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Dec. 22, 1925. Serial No. 15,819. Term of patent 14 years.



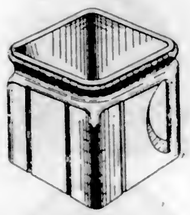


The ornamental design for a loud speaker substantially as shown.

70,227. CASING FOR A VENDING MACHINE. HARRY H. HUNT, Los Angeles, Calif. Filed Feb. 17, 1926. Serial No. 16,547. Term of patent 7 years.

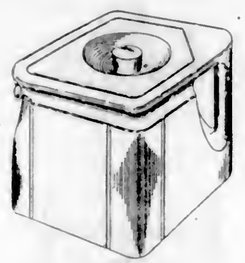
The ornamental design for a casing for a vending machine substantially as shown.

70,228. MILK JUG OR SIMILAR ARTICLE. ROBERT CRAWFORD JOHNSON, Leicester, England, assignor to Cube Teapots Limited, Leicester, England. Filed Oct. 26, 1925. Serial No. 15,260. Term of patent 14 years.



The ornamental design for a milk jug or similar article as shown.

70,229. TEAPOT. ROBERT CRAWFORD JOHNSON, Leicester, England, assignor to Cube Teapots Limited, Leicester, England. Filed Jan. 9, 1926. Serial No. 16,013. Term of patent 14 years.

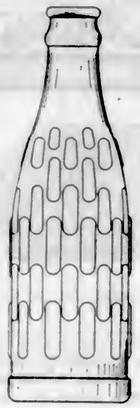


The ornamental design for a teapot as shown.

70,230. APPLIQUÉ MOTIF. KURT LEHMANN, New York, N. Y., assignor to So-Me-On Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,675. Term of patent 3½ years.

The ornamental design for an appliqué motif substantially as shown.

70,231. BOTTLE. JOHN MURL LENTS, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924, Serial No. 11,543. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

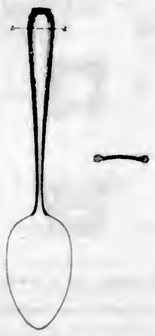
70,232. THERMOMETER. RICHARD E. MANN, New Brighton, N. Y. Filed Mar. 26, 1926. Serial No. 17,059. Term of patent 7 years.

The ornamental design for a thermometer as shown.

70,238. THERMOMETER. RICHARD E. MANN, New Brighton, N. Y. Filed Mar. 26, 1926. Serial No. 17,060. Term of patent 7 years.

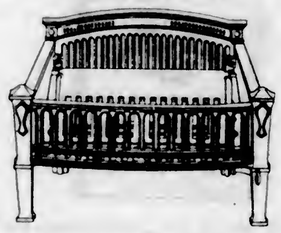
The ornamental design for a thermometer as shown.

70,234. SPOON OR SIMILAR ARTICLE. OSCAR MARTHA, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed Mar. 25, 1926. Serial No. 17,049. Term of patent 14 years.



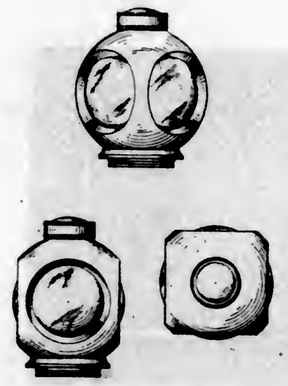
The ornamental design for a spoon or similar article as shown.

70,235. FIREPLACE BASKET. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed July 30, 1925. Serial No. 14,266. Term of patent 7 years.



The ornamental design for a fireplace basket, as shown.

70,236. LENS HEAD FOR A TRAFFIC SIGNAL. ELOF H. MEDEN, Short Hills, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 23, 1922. Serial No. 1,348. Term of patent 14 years.



The ornamental design for a lens head for a traffic signal, as shown.

70,237. COVER PAPER OR THE LIKE. WILLIAM C. OSTRANDER, Pittsfield, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Mar. 16, 1926. Serial No. 16,930. Term of patent 14 years.

The ornamental design for cover paper or the like as shown.

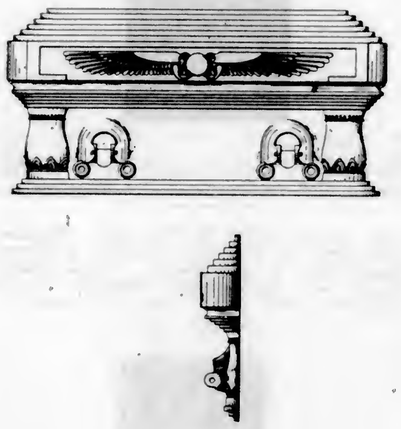
70,238. COVER PAPER OR THE LIKE. WILLIAM C. OSTRANDER, Pittsfield, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Mar. 16, 1926. Serial No. 16,931. Term of patent 14 years.

The ornamental design for cover paper or the like as shown.

70,239. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 11, 1926. Serial No. 16,889. Term of patent 3½ years.

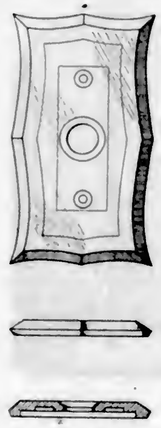
The ornamental design for lace substantially as shown.

70,240. CASKET-HANDLE LUG PLATE. PAUL LESTER PARSONS, Belvidere, Ill., assignor to Parsons Casket Hardware Company, Belvidere, Ill., a Corporation of Illinois. Filed Mar. 29, 1926. Serial No. 17,096. Term of patent 7 years.



The ornamental design for a casket handle lug plate as shown.

70,241. GLASS SWITCH PLATE. WILLIAM J. SCHWERIN, San Francisco, Calif. Filed Feb. 11, 1925. Serial No. 12,347. Term of patent 3½ years.



The ornamental design for a glass switch plate, substantially as shown.

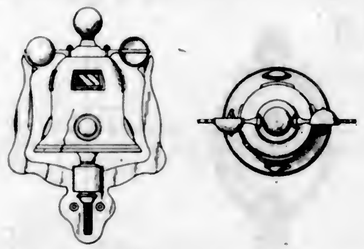
70,242. JEWELRY SETTING. MAX SIMSON, New York, N. Y. Filed Nov. 27, 1925. Serial No. 15,559. Term of patent 7 years.

The ornamental design for a jewelry setting as shown.

70,243. BANNER. SAMUEL R. SMITH, Checotah, Okla. Filed Apr. 14, 1926. Serial No. 17,287. Term of patent 14 years.

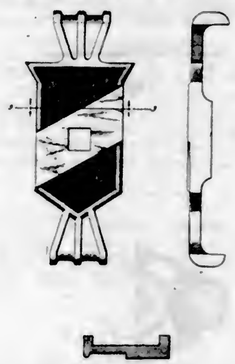
The ornamental design for a banner, as shown.

70,244. SIGNAL-LIGHT CASING. FRED A. STILLE, Richmond, Va. Filed Mar. 16, 1926. Serial No. 16,934. Term of patent 14 years.



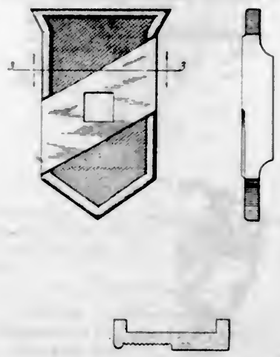
The ornamental design for a signal light casing, as shown.

70,245. CLIP FOR AUTOMOBILE BUMPERS. HARLOW T. STOKES, Brooklyn, N. Y. Filed Feb. 11, 1926. Serial No. 16,491. Term of patent 14 years.



The ornamental design for a clip for automobile bumpers, as shown.

70,246. CLIP FOR AUTOMOBILE BUMPERS. HARLOW T. STOKES, Brooklyn, N. Y. Filed Feb. 11, 1926. Serial No. 16,492. Term of patent 14 years.



The ornamental design for a clip for automobile bumpers, as shown.

70,247. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,255. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,248. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,256. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,249. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,257. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,250. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,258. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,251. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,259. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,252. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Apr. 12, 1926. Serial No. 17,260. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,253. STATUETTE OR SIMILAR ARTICLE. GEORGE MASSINGBERD TEALE, Kingman, Ariz. Filed Feb. 19, 1926. Serial No. 16,593. Term of patent 14 years.

The ornamental design for a statuette, or similar article, as shown.

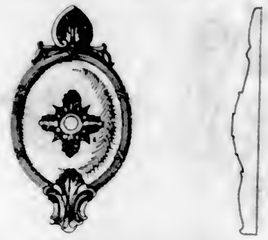
70,254. SIGNAL LAMP. LOWELL C. UNDERWOOD, Denver, Colo. Filed Oct. 26, 1925. Serial No. 15,255. Term of patent 14 years.

The ornamental design for a signal lamp, as shown.

70,255. BADGE. EMRICH W. VALKO, Cleveland, Ohio, assignor to First Catholic Slovak Union of the United States of America, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 16, 1925. Serial No. 15,771. Term of patent 14 years.

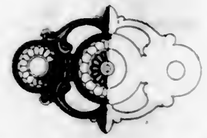
The ornamental design for a badge, as shown.

70,256. BACKPLATE FOR LIGHTING FIXTURES. WALTER VON NESSEN, New York, N. Y., assignor to Efcolite Corporation, New York, N. Y. Filed Apr. 2, 1926. Serial No. 17,164. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixtures substantially as shown.

70,257. CEILING LIGHTING FIXTURE. WALTER VON NESSEN, New York, N. Y., assignor to Efcolite Corporation, New York, N. Y. Filed Apr. 2, 1926. Serial No. 17,165. Term of patent 3½ years.



The ornamental design for a ceiling lighting fixture substantially as shown.

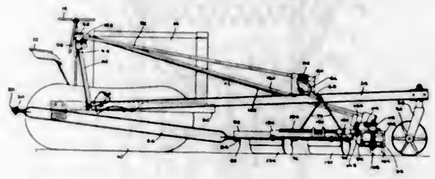
70,258. CEILING LIGHTING FIXTURE. WALTER VON NESSEN, New York, N. Y., assignor to Efcolite Corporation, New York, N. Y. Filed Apr. 2, 1926. Serial No. 17,166. Term of patent 3½ years.

The ornamental design for a ceiling lighting fixture substantially as shown.

PATENTS

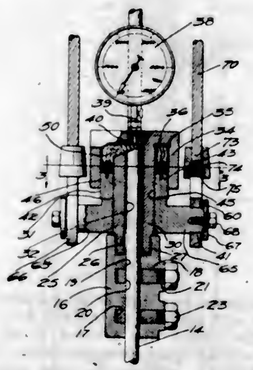
GRANTED MAY 25, 1926.

1,585,633. ROAD GRADER. RICHARD F. AGNEW, Minneapolis, Minn. Filed May 29, 1924. Serial No. 716,823. 4 Claims. (Cl. 37—145.)



1. A road grader comprising a frame, two scrapers pivotally mounted on said frame, a pair of links connecting said scrapers on opposite sides of their pivots, members having screw threaded holes carried by said links, longitudinally extending threaded shafts engaging said holes, a transverse shaft mounted on said frame, gears connecting said threaded shafts with said transverse shaft, a shaft extending longitudinally to a position within reach of the driver and gears connecting said last mentioned shaft and said transverse shaft.

1,585,634. LOAD INDICATOR. DELBERT F. AXELSON, Los Angeles, Calif., assignor to Axelson Machine Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 13, 1924. Serial No. 743,311. 15 Claims. (Cl. 265—47.)

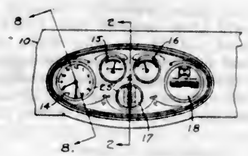


1. In combination: a pump having a plunger; means for reciprocating said plunger; and means associated with said pump plunger for indicating the weight on said plunger.

1,585,635. PAVING COMPOSITION. JOSEPH HAY AMES, Philadelphia, Pa. Filed Apr. 4, 1924, Serial No. 704,251. Renewed Nov. 19, 1925. 1 Claim. (Cl. 106—34.)

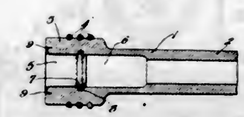
The herein described paving composition consisting of natural soil mixed in the proportion of about three measures of water dampened soil with about one measure of calcined sulphate of calcium, for the purposes as herein specified.

1,585,636. INSTRUMENT PANEL. BENJAMIN H. ANIBAL, Detroit, Mich., assignor to The Studebaker Corporation, Detroit, Mich., a Corporation of New Jersey. Filed Oct. 1, 1924. Serial No. 740,969. 10 Claims. (Cl. 180—90.)



1. In combination with an instrument board having an opening therethrough, a supporting panel closing said opening, instruments supported by said panel, a removable finishing plate provided with openings through which said instruments are visible overlying said panel, and a single glass cover overlying all of said instruments.

1,585,637. BOBBIN. JOHN NORMAN ANDERSON, Methuen, Mass. Filed Nov. 17, 1925. Serial No. 69,612. 3 Claims. (Cl. 242—118.)



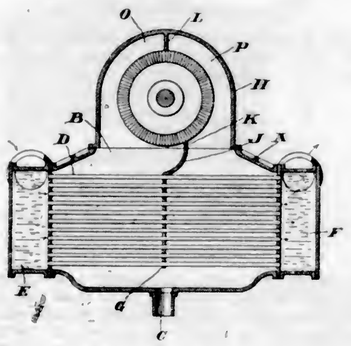
1. A bobbin for weft replenishing looms having a wooden body portion consisting of a blade and an enlarged butt provided with a concentric spindle hole, reinforcing rings on the exterior of the butt of the bobbin, and a reinforcing ferrule on the interior of the butt of the bobbin, provided with an annular filleted enlargement near but short of its inner end, the hole in said bobbin butt being provided with a recess to receive said enlargement, and said ferrule being also provided with an outwardly extended flange having a backwardly extended, irregularly formed edge adapted to penetrate the end of the bobbin and hold the ferrule from rotation with respect thereto by deformation of the wood by the backwardly extended edge.

1,585,638. REMOVABLE HEEL. KNUTE H. ANDERSON, Chicago, Ill. Filed Apr. 4, 1925. Serial No. 20,746. 1 Claim. (Cl. 36—35.)

A removable heel comprising an attaching lift to be secured permanently to the heel part of a shoe, an anchoring plate disposed against the upper face of the attaching lift and having recesses in its margin and open-

ings in its body portion for the passage therethrough of securing elements for fastening the said lift to the said heel part of the shoe, the said attaching lift having its upper face recessed to receive the attaching plate with the upper face of the attaching plate flush with the upper face of the lift and said lift having upon its under face a representation of the outline of the said anchoring plate and the openings therein whereby fasteners may be readily driven through the attaching lift without contacting with said plate, internally threaded bosses extending from said plate through said attaching lift, a wear lift disposed against the said under face of the attaching lift and formed with openings registering with the internally threaded bosses, and threaded fasteners fitted through the openings in said wear lift and screwed into engagement with the threaded bosses of the said plate.

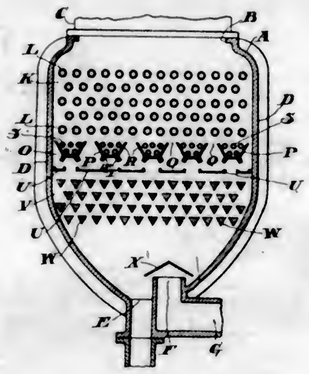
1,585,639. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Oct. 15, 1924, Serial No. 743,695. Divided and this application filed June 30, 1925. Serial No. 40,514. 7 Claims. (Cl. 257—43.)



1. In combination with a source of steam to be condensed, a condenser having tubes with different temperatures along their length resulting in unequal capacities for condensing steam in vertical sections along their length, and means in said source for obtaining substantially equal depth of penetration of steam in said sections along the length of the condenser.

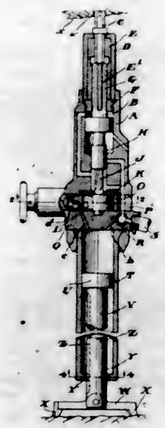
1,585,640. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 8, 1926. Serial No. 80,008. 4 Claims. (Cl. 257—43.)

1. A surface condenser comprising a casing having an inlet at the top for steam and uncondensable gases, a condensing element in the form of rows of tubes, a condensate cooling element including troughs and groups



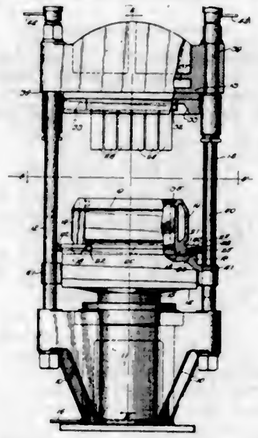
of tubes, and means for converting the condensate into spray for cooling the uncondensable gases.

1,585,641. ROTATION AND FEED REGULATOR. LEWIS C. BAYLES and FRED M. SLATER, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,829. 1 Claim. (Cl. 121—5.)



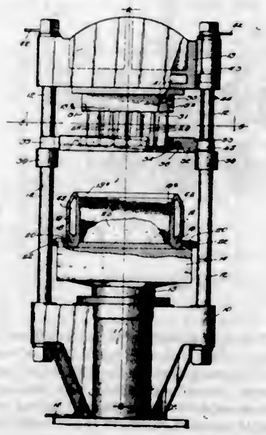
In a fluid actuated rock drill of the hammer type, the combination of rifle bar rotation for the drill steel having a releasable ratchet ring adapted to be moved by resistance to rotation when released, means for feeding the machine forward, said means being constantly exposed to pressure fluid, a stop on the ratchet ring, a valve controlling the feeding means mounted adjacent the ratchet ring and adapted to be actuated by said stop, a spring tending to force said valve to closed position but of insufficient strength to resist rotation of the ratchet ring, a spring pressed valve stop to positively engage the valve for normally holding the valve and the ratchet ring immovable, and a finger piece on the stop whereby said stop may be withdrawn to release the valve and the ratchet ring for permitting free oscillation of the ratchet ring and reciprocation of the valve and to permit a portion of pressure fluid to be intermittently released from the feeding means by the valve.

1,585,642. MANUFACTURE OF CONTAINERS. MARINO BELLO, Highland Park, Ill., assignor to Bello Byfield Corporation, Waukegan, Ill., a Corporation of Illinois. Filed Dec. 10, 1924. Serial No. 754,971. 22 Claims. (Cl. 18—19.)



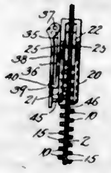
1. In a molding machine, the combination of receptacle-forming mold and core members, said members being relatively movable into and out of a position in which said core extends into said mold-member, means comprising a portion extending in a direction crosswise of the molded receptacle and overlapping a portion of said receptacle, for stripping the molded receptacle from one of said members in the relative movement of said members away from each other, and means for continuously controlling the temperature of said overlapping portion.

1,585,643. MANUFACTURE OF CONTAINERS. MARINO BELLO, Highland Park, Ill., assignor to Bello Byfield Corporation, Waukegan, Ill., a Corporation of Illinois. Filed Dec. 10, 1924. Serial No. 754,972. 19 Claims. (Cl. 18—19.)



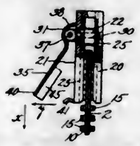
1. In a machine of the character set forth, the combination of receptacle-forming mold and core members, the side walls of said mold member being movable toward and away from each other and said members being relatively movable into and out of a position in which said core extends into said mold member, and a separate member disconnected from and movable relative to each of said first named members operating to force said walls toward each other and to strip said mold member from said core member during the relative movement of said mold and core members.

1,585,644. FLEXIBLE CLOSURE. EDWARD H. BINNS and RALPH H. BINNS, Pittsburgh, Pa., and WILLIAM A. DE HART, Teaneck, N. J.; said de Hart assignor to said Edward H. Binns and said Ralph H. Binns, both of Pittsburgh, Pa. Filed Feb. 18, 1925. Serial No. 10,061. 7 Claims. (Cl. 24—205.)



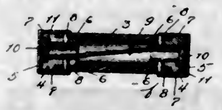
1. In a flexible closure or fastener, the combination with flexible stringers carrying spaced interlocking fastening devices formed with riding lugs or shoulders, of an operating slider formed with internal controlling grooves engaging said riding lugs or shoulders and thereby positively controlling the movements of the fastening devices, the upper edges of the slider walls being recessed and the grooved wall portions projecting beyond said recesses to control said fastening devices without interference with the slider walls.

1,585,645. FLEXIBLE CLOSURE. RALPH H. BINNS, Pittsburgh, Pa., assignor of one-half to Edward H. Binns, Pittsburgh, Pa. Filed Mar. 5, 1925. Serial No. 13,090. 8 Claims. (Cl. 24—205.)



1. In a flexible closure or fastener, the combination of flexible strips or stringers having spaced interlocking fastening devices, and an operating slider embracing and sliding upon said fastening devices, with a combined pull member and drag or brake having universal joint connection with said slider.

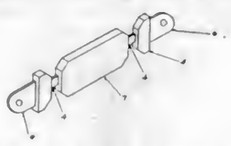
1,585,646. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,373. 2 Claims. (Cl. 200—132.)



1. In a renewable ferrule contact fuse, a fibre casing, a metallic ring shaped member having a portion externally threaded substantially throughout its length, adapted to fit within and engage threads in the casing and having a shouldered portion beyond the casing abutting on the end of the casing; said shouldered portion being externally threaded substantially throughout its length; a seat for a fuse link at the outer end of the ring shaped member, which seat substantially closes the opening in the ring shaped member, and a metallic cap, interiorily threaded, adapted to press and hold a

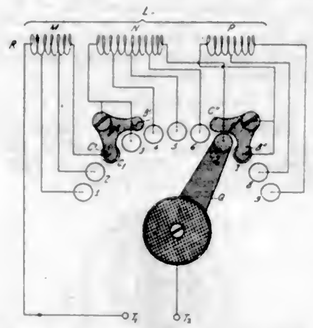
link between it and the seat; said cap having sides extending over the shoulder of the metallic member and over a portion of the fibre casing so as to provide a substantial contact surface for the fuse when inserted in contact clips.

1,585,647. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Original application filed May 7, 1919, Serial No. 295,372. Divided and this application filed Jan. 17, 1922. Serial No. 529,968. 4 Claims. (Cl. 200—135.)



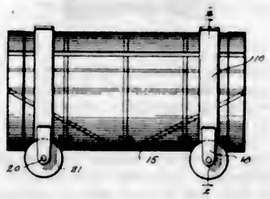
1. A fuse link having an area of reduced cross section and an area of enlarged cross section and an arc shield protecting that surface of the enlarged cross section facing the area of reduced cross section.

1,585,648. VARIABLE CONTROLLING ELEMENT. FERNAND CARBENAY, Paris, France. Filed Aug. 29, 1921. Serial No. 496,541. 3 Claims. (Cl. 171—242.)



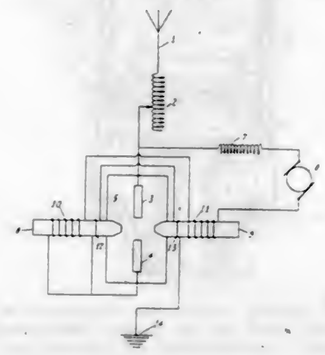
1. A variable controlling element comprising a plurality of sections, said sections being provided with a plurality of connecting conductors, a regulating member for establishing contact with the terminal points of said conductors, a member electrically connected to one end of a section and having a portion adapted to contact with a terminal point of another section, said member having a portion adapted to be engaged by the regulating member to electrically connect said sections together and disconnect them entirely from each other.

1,585,649. COMBINED PACKAGE AND TOY. LEONARD R. CARLEY, Watertown, and GEORGE H. KAY, Prospect, Conn. Filed Apr. 27, 1922. Serial No. 556,958. 5 Claims. (Cl. 46—48.)



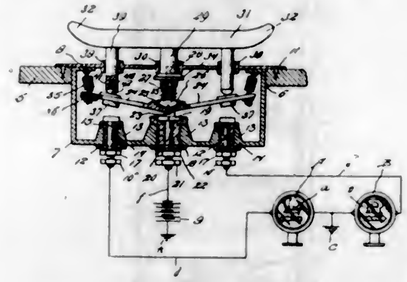
1. A toy vehicle comprising a container body, separate metallic strips secured thereto and conforming to the contour of the container, tongue-like elements formed by cuts in the strips, the tongues being normally disposed in the plane of the strips and adapted to be bent outwardly to form axle supporting members, wheel and axle elements, and openings near the outer ends of the tongues to support the said wheel and axle elements.

1,585,650. ARC GENERATOR. GEORGE H. CLARK, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 27, 1922. Serial No. 571,248. 3 Claims. (Cl. 250—36.)



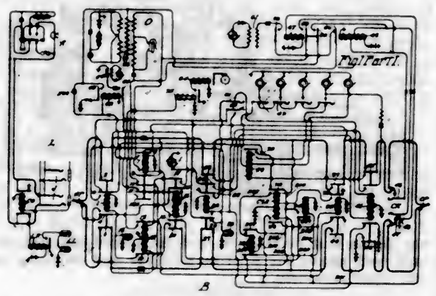
1. In an arc generator of high frequency currents, the combination of an arc and an oscillation circuit determining the frequency of the currents generated by the arc, a source of current for feeding the arc, means for producing a magnetic field for influencing the arc, said means having a winding excited by currents from said source and another winding excited by said high frequency currents.

1,585,651. SWITCH FOR DIRECTION INDICATORS. HERBERT T. COLTON, Biglake, Wash. Filed Mar. 24, 1924. Serial No. 701,556. Renewed Oct. 20, 1925. 4 Claims. (Cl. 200—6.)



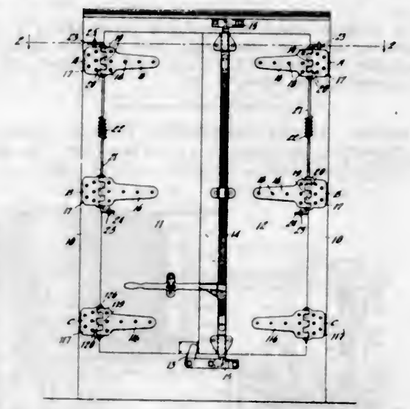
1. In a switch of the character described, an open sided casing, a cover plate for the open side of said casing, a binding post disposed centrally within said casing, a pair of binding posts extending within said casing upon the opposite sides of said first mentioned binding post, a pair of bars pivotally secured at their inner ends to said first mentioned binding post, means for normally maintaining said bars away from said pair of binding posts, and means slidably connected to said cover plate and extending outwardly thereof for selectively moving the contacts of said pivoted bars into engagement with said pair of binding posts.

1,585,652. TELEPHONE SYSTEM. HIRAM D. CURRIER, Chicago, and GEORGE R. EATON, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1921. Serial No. 464,814. 15 Claims. (Cl. 179—27.)



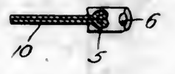
9. A telephone system including a pair of telephone lines and a central office link circuit having a pair of terminals connected one to each line, automatic selecting switch mechanism intermediate said pair of terminals for controlling talking contacts in said telephone system, means controlled over each line independently of the other for placing the talking contacts of the associated terminal on open circuit (between said terminals) while they remain connected to said lines.

1,585,653. SPRING HINGE FOR CAR DOORS. CHARLES E. DATH, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 7, 1923. Serial No. 661,348. 3 Claims. (Cl. 16—180.)



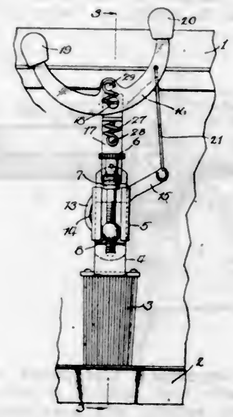
1. In a railway car door structure, the combination with a door frame providing an opening; of a door for closing said opening; means on the outer side of said frame and door for pivotally connecting said door to the frame, said means including a plurality of spaced hinges, each hinge comprising a hinge strap secured to the door, and a hinge strap secured to the frame, said straps having interengaging knuckles for supporting said door; and a continuous rod extending through said knuckles to provide pintles for the hinge straps, said rod having a torsional, helical spring portion intermediate said hinges, and oppositely disposed angular portions outside of said hinges, one of said angular portions being secured to the frame, and the other to said door, said angular portions being urged toward each other by said helical portion to pull said door through an angle of substantially 180° from closed position to a position against the side wall of the car, said resilient means being arranged to lie beyond said door when in open position and maintain said door against said side wall.

1,585,654. FLEXIBLE CLOSURE. WILLIAM A. DE HART, Teaneck, N. J., assignor, by mesne assignments, to Edward H. Binns and Ralph H. Binns, both of Pittsburgh, Pa. Filed Dec. 5, 1923. Serial No. 678,663. 4 Claims. (Cl. 24—205.)



1. A stringer for flexible closures or fasteners comprising a strip of flexible material folded back and forth upon itself to form a fastener-retaining beaded or thickened edge of more than double thickness of said material, in combination with fastening members formed with U-shaped jaws embracing and clamped upon the said bead or thickened edge.

1,585,655. SNARE-DRUM ATTACHMENT. JAMES M. ELLIOTT, Chicago, Ill., assignor to Ludwig & Ludwig, Chicago, Ill., a Corporation of Illinois. Filed Nov. 25, 1922. Serial No. 603,164. 4 Claims. (Cl. 84—415.)

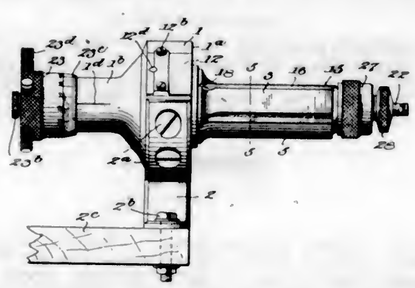


3. In a snare drum mechanism, in which a stationary base on a side of the drum carries an associated operating cam and a slide attached to an end of the drum snare, the combination of a lever pivoted to said base at a point remote from the pivot of said cam and having a free portion extending above said base and above a rim of the drum, an operative connection between said lever and the cam aforesaid, and a spring attached at one end to said base at a point below the pivot of the lever and to said lever at a point above its pivot, so that with a movement of the lever the point of attachment of the spring to the lever will be shifted across the pivot of the lever to change the direction of the pull of the spring on the parts.

1,585,656. ADJUSTABLE REAMER. FRANK O. EWELL, West Chester, and WILLIAM MEADE SHUEY, Hummelstown, Pa. Filed Dec. 18, 1924. Serial No. 756,744. 45 Claims. (Cl. 29—90.)

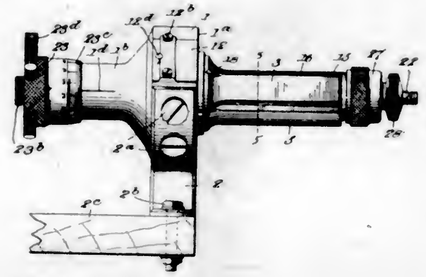
1. In a tool, a cutter arm having thereon a cutting edge, extending lengthwise of said arm, and said arm

having an axial work center lengthwise thereof, and a curved and smooth burnishing surface extending lengthwise of said cutting edge immediately adjacent thereto,



and the curvature thereof being different than the arc of a circle which passes through the cutting edge and has its center in said axial center.

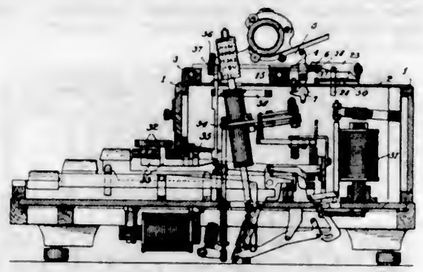
1,585,657. ADJUSTABLE REAMER. FRANK O. EWELL, Harrisburg, WILLIAM MEADE SHUEY, Hummelstown, and WILLIAM G. VANDERGRIFT, Camp Hill, Pa.; said Vandergrift assignor to said Shuey. Filed Apr. 6, 1922. Serial No. 550,082. 5 Claims. (Cl. 29—90.)



1. A tool comprising a head portion, a plurality of expansible cutter arms mounted in said head portion and adjustable radially, said arms being parallel to each other and having parallel cutting portions extending lengthwise thereof, an actuating shaft for adjusting said arms mounted in said head and movable therein and having a tapered portion in contact with and movable lengthwise of said cutter arms, and fastening means for locking the extreme free ends of said parallel cutter arms in any predetermined position.

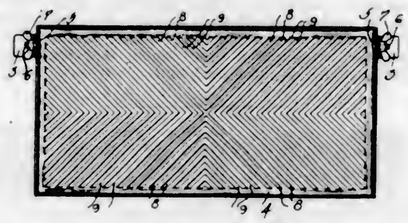
1,585,658. TABULATION MECHANISM OF TYPEWRITING MACHINES. OSKAR FISCHER, Berlin-Friedenau, Germany, assignor to N. V. Machina Maatschappij vor Handel en Industrie, Amsterdam, Netherlands, a Corporation of the Netherlands. Original application filed Jan. 25, 1924, Serial No. 688,399. Divided and this application filed Apr. 10, 1925. Serial No. 22,061. 2 Claims. (Cl. 197—176.)

1. In a type-writing machine the combination of a frame, a paper carriage, a rack-and-pawl escapement device including a rack mounted on the frame, a rail swingingly mounted on the frame, a pawl slidable on the rail and engaged by the carriage, said bar in its range of swing carrying the pawl to and from a position of engagement with the rack, tabulation mechanism including a stop borne by the carriage and a bar borne by



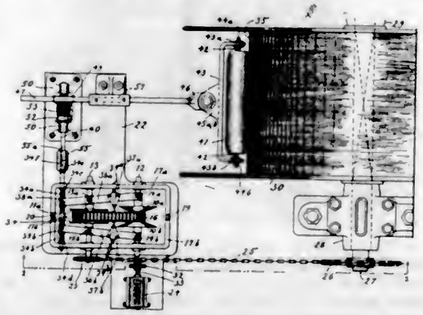
the frame and movable to and from stop-engaging position, and means for shifting said bar and swinging said rail simultaneously.

1,585,659. GLARE SCREEN. ALBIN H. FOGELQUIST, Spokane, Wash. Filed Mar. 16, 1925. Serial No. 15,799. 4 Claims. (Cl. 296—97.)



1. A glare screen comprising a panel having a plurality of series of alternating slots and bars extending obliquely in opposite directions from a central axis of the panel to its edges.

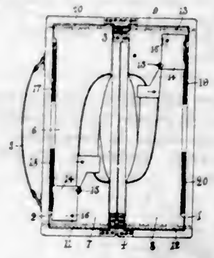
1,585,660. THREAD-MEASURING DEVICE. HENRY S. FRAMPTON, Brooklyn, N. Y. Filed Nov. 26, 1921. Serial No. 517,894. 3 Claims. (Cl. 33—127.)



1. In a thread-measuring device a thread-winding drum, means to actuate said drum, a measuring register to measure the length of thread, winding up onto the drum, a variable speed drive, adapted to drive said register from the drum-actuating means, and speed varying means, comprising a contact roller, running on the periphery of the bobbin being wound and adapted to control said variable speed drive in conformity with the varying distance of said contact roller from the axis of the drum.

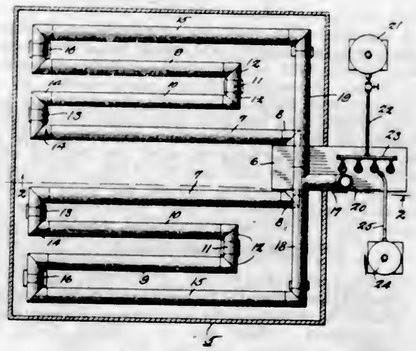
3. A thread-measuring device, comprising a thread-winding drum, an apparatus to drive said drum, a contact roller, running on this drum, a forked push bar, the pronged end of which supports the contact roller, while the other end is formed as a rack, a pinion which the racked push bar actuates, a shaft to support the pinion, means to support the push bar, means to move the rack and pinion resiliently, so that the push bar and the contact roller is pressed against the drum, a Reeves drive, means to control the Reeves drive by the rotation of the shaft, carrying the pinion, and means to actuate the Reeves drive by the apparatus driving the drum, substantially as described.

1,585,661. FOLDING STOOL OR TABLE. CHARLES AUGUSTIN GALLAND, Paris, France, assignor to Joseph Charles Clavering, London, England. Filed Oct. 16, 1924, Serial No. 743,889, and in France Oct. 17, 1923. 1 Claim. (Cl. 45—11.)



A folding stool or table comprising a box formed of two halves, interconnected by means of hinges, two pairs of legs each substantially equal to the width of each box half and cut away towards their outer end, hinges for said legs, leg extensions adapted to lie within said cut away portions when collapsed, and pivots on the outer edge of said legs for said extensions, enabling the latter to be extended in line with the main legs or be collapsed to lie parallel with said main legs.

1,585,662. TOBACCO-CURING BARN. JOHN A. GARDNER and JOHN O. CAUSEY, Grifton, N. C. Filed Nov. 11, 1925. Serial No. 68,399. 1 Claim. (Cl. 34—19.)

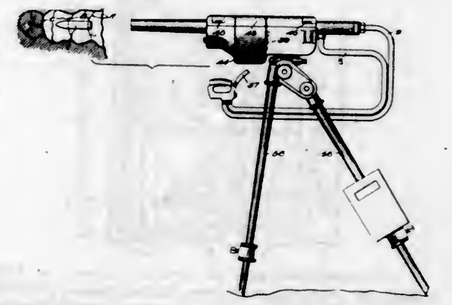


In a tobacco curing barn, a furnace having its inner end extending into the barn, flues connected with the furnace and communicating with the interior thereof, said flues having their forward ends disposed adjacent to the front wall of the barn, said flues extending rearwardly to points adjacent to the rear wall of the barn, flues communicating with the first mentioned flues and extending towards the front wall of the barn from where they extend rearwardly towards the rear wall of the barn, flues communicating with the last mentioned flues and arranged adjacent to the side walls of the barn, and flues extending in parallel relation with the front wall of the barn and communicating with the last mentioned flues for exhausting products of combustion from the barn.

1,585,663. MEANS FOR CLEANING CASTINGS AND THE LIKE. WILLIAM B. GEORGE, Chicago, Ill. Filed Nov. 28, 1924. Serial No. 752,552. 1 Claim. Cl. 51—164.)

As an article of manufacture, a hardened wedge shaped piece of metal having parallel flat sides and edges disposed at an angle to each other, one edge being rounded and the two edges meeting in a point.

1,585,664. METHOD OF AND APPARATUS FOR BREAKING OUT ROCK. GEORGE H. GILMAN, Boston, Mass. Filed Nov. 24, 1920. Serial No. 426,214. 17 Claims. (Cl. 102—5.)



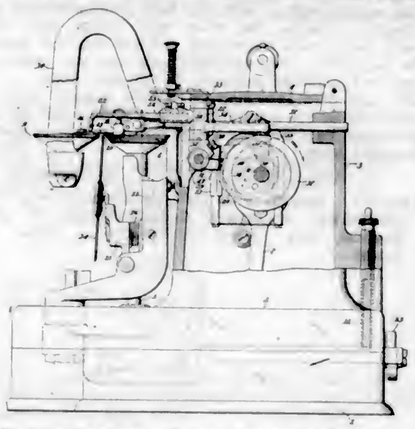
1. The method of breaking down rock and earth formations which comprises projecting against the same successive charges of explosive each sufficient to break out a limited quantity of material and each exploding by impact when in free contact with the formation.

5. The method of advancing a recess in rock and earth formations which comprises breaking and removing limited amounts of the material by the explosive action of successive charges of explosive projected against the formation and exploding upon impact.

1,585,665. LOOPER MECHANISM FOR CHAIN-STITCH SEWING MACHINES. ALFRED GRIEB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 8, 1924. Serial No. 711,757. 5 Claims. (Cl. 112—12.)

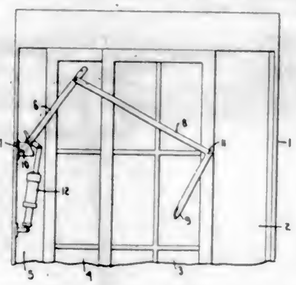
1. In a chain-stitch sewing machine, the combination with a thread-carrying needle disposed in substantially a horizontal plane, means for reciprocating said needle, a work-feeding wheel rotatable upon a substantially vertical axis, means for rotating said feed-wheel, and a presser opposed to said feed-wheel, of a looper cooperat-

ing with said needle to enchain needle-thread loops in the line of seam-formation on the presser side of the



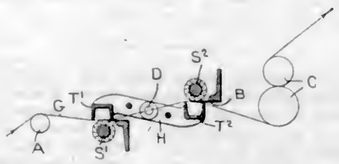
work, supporting means for said looper disposed on the opposite side of the work, and means for actuating said looper.

1,585,666. OPERATING MECHANISM FOR ELEVATOR DOORS. THOMAS E. GRIFFITH and LEE L. DODDS, Cleveland, Ohio, assignors to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1923. Serial No. 645,831. 4 Claims. (Cl. 268—8.)



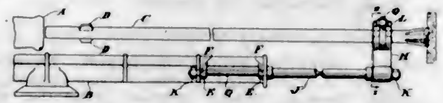
1. In combination with an elevator enclosure, a door, a lever for actuating said door, and a bracket pivotally connecting said lever to said enclosure, of means mounted on said bracket cooperating with means mounted on said lever to prevent the reopening of said door prior to the complete closing thereof, said last named means being rendered inoperative upon said final closing of the door.

1,585,667. CLOTH-SHEARING MACHINE. HERMANN HAAS, Lennep, Germany. Filed June 18, 1925. Serial No. 37,976. 2 Claims. (Cl. 26—15.)



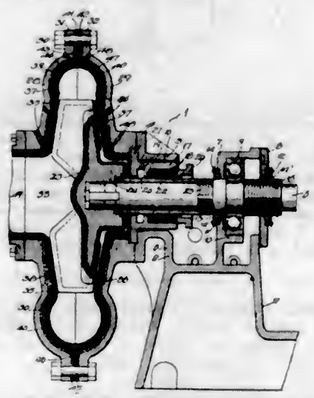
1. A shearing machine for shearing opposite sides of a web of cloth simultaneously and comprising two shearing knives, characterized in that two cloth guide tables are employed which are separate from the shearing knives and which are mounted on a common movable support, the movement of which in one direction carries each cloth guide table towards its shearing knife and into a position to hold the cloth against the knife, and movement in the other direction carries each cloth guide table away from the corresponding shearing knife.

1,585,668. DRILL-STEEL GUIDE. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 17, 1925. Serial No. 76,110. 4 Claims. Cl. 255—51.)



1. In combination with a rock drill and a supporting shell therefor, a drill steel in the rock drill, of a guide carried by the shell and forming a continuous bearing for the drill steel to prevent misalignment of the drill steel with respect to the rock drill, said guide being secured fixedly to the shell.

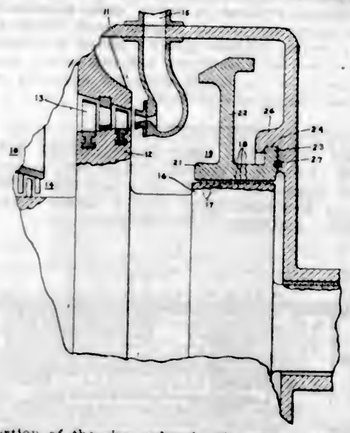
1,585,669. PUMP. GEORGE T. HANSEN, Salt Lake City, Utah, assignor to Hansen Rubber Products Company, Salt Lake City, Utah, a Corporation of Delaware. Filed Apr. 8, 1921. Serial No. 459,522. 10 Claims. (Cl. 103—119.)



1. In a centrifugal pump, a casing having an axial inlet and a peripheral outlet, said casing being divided on a plane substantially at right angles to the axis and having flanges for securing the two parts together, an impeller for said pump, a lining for the interior of said pump comprising a relatively thin flexible metal backing stamped to the configuration of said interior, each section of said casing being provided with finished gauge surfaces for seating said metallic backing, said metallic backing being centered to provide the usual clearance for said impeller blade by being pressed upon its seat when the casing sections are clamped together.

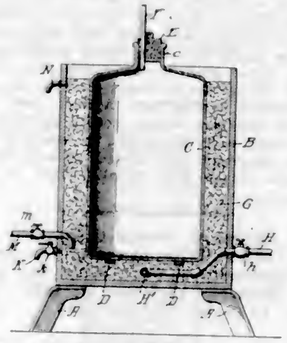
1,585,670. ELASTIC-FLUID TURBINE. HENRY J. HANZLIK, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,289. 8 Claims. (Cl. 253—69.)

1. In a turbine having a casing and a rotor, said rotor embodying a dummy piston, a stationary packing element-carrying ring surrounding the dummy piston, said ring having a base portion for carrying the stationary packing elements, and a radially extending web portion for stiffening the ring, means securing the stationary packing element-carrying ring to the casing only at the



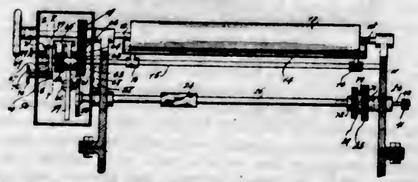
base portion of the ring, whereby the same pressure and temperature exists on both sides of the web portion.

1,585,671. METHOD OF AND APPARATUS FOR HEATING CORROSIVE CHEMICALS. ALBERT G. HARMS, Chicago, Ill. Filed Sept. 27, 1923. Serial No. 665,072. 7 Claims. (Cl. 23—252.)



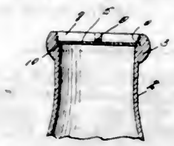
1. The method of heating corrosive chemicals that consists in exposing said chemicals in a container in juxtaposition to a mass of comminuted material and passing steam through said material.

1,585,672. DAMPENING MECHANISM. CHARLES W. HARROLD, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 15, 1921. Serial No. 507,843. 20 Claims. (Cl. 101—148.)



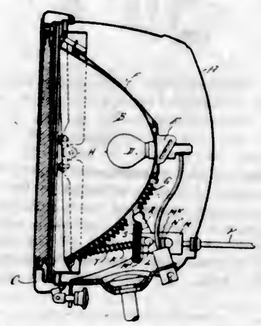
1. A dampening mechanism comprising a fountain-roll, means for intermittently rotating same, and an interchangeable connection for actuating said rotating means at different speeds.

1,585,673. MILK-BOTTLE CONSTRUCTION. JOHN JAMES MARSTELLAR, Los Angeles, Calif. Refile for abandoned application Serial No. 592,183, filed Oct. 4, 1922. This application filed Dec. 17, 1925. Serial No. 76,129. 1 Claim. (Cl. 215—51.)



As a new article of manufacture, a milk bottle comprising a neck having the mouth thereof rabbeted, a plurality of spaced upright lugs with vertically rounded inner edges on the inner upright surface of the mouth, an annular shoulder formed in the mouth of the bottle and separated from the lower ends of the lugs by an intervening space and adapted to seat a milk bottle cap disposed between it and the lower ends of the legs, the cap upon riding over the lugs being compressed and being, therefore, adapted to extend between the lugs at the lower ends thereof and the shoulder, whereby the cap is locked by the lugs in place.

1,585,674. TILTING DEVICE FOR AUTOMOBILE HEADLIGHT REFLECTORS. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 7, 1923. Serial No. 643,829. 5 Claims. (Cl. 240—41.)



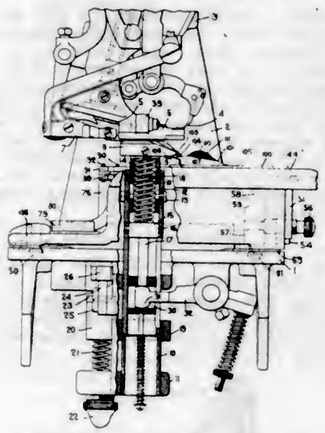
1. In a device of the kind described, the combination with a casing and pivoted reflector, of a rod connected to said reflector, a slidable member to which said rod is pivotally connected, a lever pivoted to said slidable member and having laterally disposed arms, a guide for the sliding member and a spring surrounding the guide and having its ends connected to the laterally disposed lever arms and means for actuating the slidable member.

1,585,675. ADDING MACHINE. GROVER N. MINDLING, Pittsburgh, Pa. Filed May 20, 1924. Serial No. 714,587. 1 Claim. (Cl. 235—74.)

In a calculating machine comprising a relatively flat casing, a numeral disk rotatably mounted within the casing, having a portion of its face exposed through an opening in the casing, and having an elongated stylus opening therein wholly exposed through the casing open-

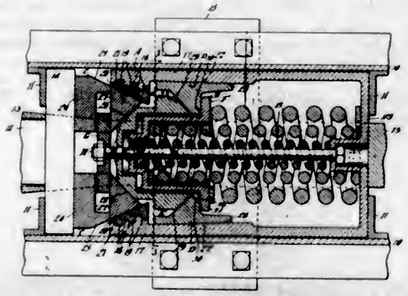
ing, an abutment on the casing projecting over the exposed surface of the disk and terminating short of the inner end of the elongated stylus opening, said abutment being adapted to arrest the disk in zero position when a stylus is inserted in the elongated opening and the disk rotated to bring the stylus into engagement with the abutment.

1,585,676. BLINDSTITCH SEWING MACHINE. HARLEY C. MOULTON, Maplewood, Mo., assignor to Lawrence M. Stein, Winnetka, Ill. Filed May 6, 1924. Serial No. 711,359. 25 Claims. (Cl. 112—178.)



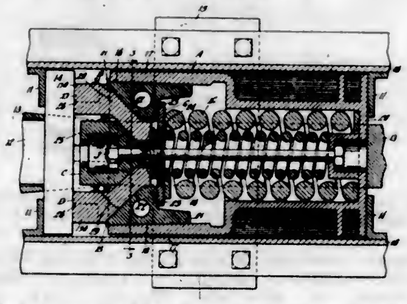
1. A blind stitch sewing machine for felling a superimposed layer of material upon a base layer comprising a bed plate, a reciprocating needle moving in the general direction of the line of stitching and complemental stitch forming mechanism, a guide for directing a turned-up edge of the superimposed layer in the direction of the line of stitching adjacent to the path of the needle and a bender supported upon said bed plate acting continuously to force the turned-up portion of the superimposed layer into the path of the needle at the stitching point and means acting to present the base layer in the path of the needle at predetermined intervals.

1,585,677. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 5, 1923. Serial No. 649,424. 3 Claims. (Cl. 213—26.)



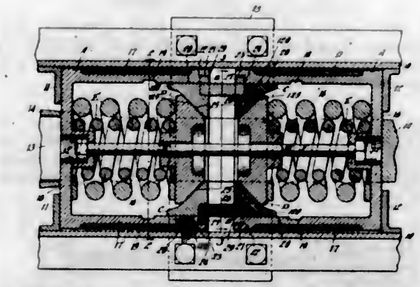
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior tandem arranged sets of opposed friction surfaces, the surfaces of one set being converged inwardly of the shell; of outer friction elements co-operable with the outer set of friction surfaces; friction shoes co-operable with the inner set of friction surfaces; a hollow wedge pressure transmitting block interposed between said elements and shoes, a spring resistance; and a spring follower interposed between said resistance and said shoes, said follower having a cup-shaped extension extending within the hollow portion of said block.

1,585,678. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,209. 11 Claims. (Cl. 213—34.)



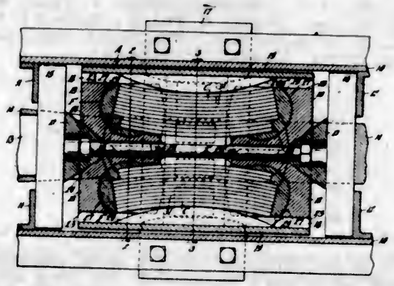
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior opposed friction surfaces; of a spring resistance; opposed friction-shoes co-operable with said shell surfaces; central wedge-acting means free from direct actuating pressure during the initial portion of a compression stroke but arranged to receive the actuating pressure directly after a predetermined preliminary action; and pressure-transmitting auxiliary wedge means, operable between said first named wedge means and the shoes and adapted for limited movement with respect to said first named wedge means during said initial portion of the compression stroke.

1,585,679. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 17, 1923. Serial No. 681,047. 10 Claims. (Cl. 213—32.)



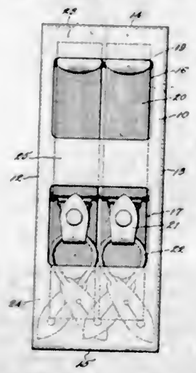
1. In a friction shock absorbing mechanism, the combination with a pair of relatively movable followers having longitudinally disposed friction surfaces; of tandem arranged springs co-acting with said followers; and a friction wedge system movable with each follower, said systems being interposed between said springs, said systems being longitudinally movable relatively to each other, each system including friction shoes engaging the friction surfaces of one of said followers and a wedge co-operating with the shoes.

1,585,680. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 5, 1924. Serial No. 711,026. 9 Claims. (Cl. 213—28.)



1. In a friction shock absorbing mechanism, the combination with a pair of longitudinally disposed carriers; of a group of spring plates pivotally mounted at their ends on said carriers; a casing encircling said carriers and plates and provided with fulcrum bearings for the flexing of said plates; and wedge friction elements at the ends of said carriers and coacting with means associated with said mechanism to wedge them laterally upon relative approach of said wedge elements.

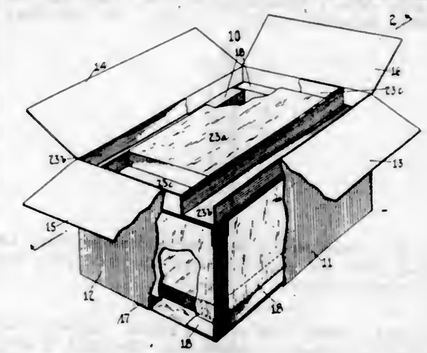
1,585,681. DISPLAY CARTON. EDWIN OPPENHEIMER, Philadelphia, Pa., assignor to Eagle Suspender & Belt Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 22, 1921. Serial No. 486,887. 2 Claims. (Cl. 206—44.)



1. A suspender package comprising a carton or container provided with a plurality of spaced display windows, top and bottom ledges and an intermediate transverse web, a garment suspender packaged by the container, the suspender being coiled or folded upon itself with the buckle adjacent an end fold, the latter being retained in position by one ledge or removable therefrom through one window to display the buckle portion of the suspender and the other ledge and web retaining the remainder of the suspender in position.

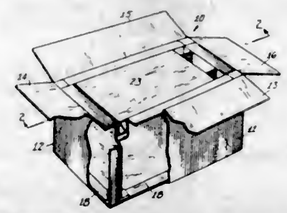
1,585,682. CONTAINER. FERDINAND S. OPPENHEIM New York, N. Y. Filed Sept. 10, 1924. Serial No. 736,804. 4 Claims. (Cl. 229—14.)

3. In a packing and shipping box, a cushioning member constructed of a single sheet of material, creased and folded to have a central rectangular shaped recessed portion on one side thereof adapted to accommodate projecting portions of the contents packed in said box, said member having the edge portion thereof bent and folded



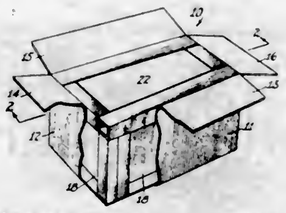
to form recessed channels, the side walls between the central recessed portion and said channels adapted to support and space the contents from one wall of said box.

1,585,683. CONTAINER. FERDINAND S. OPPENHEIM, New York, N. Y. Filed Dec. 17, 1924. Serial No. 756,459. 6 Claims. (Cl. 229—14.)



1. A packing and shipping box having inner and outer walls, inner walls forming a receptacle adapted to receive articles of various cross-sectional shapes, the inner walls including a member made of sheet material folded to form unequal levelling portions extending from said member for abutting an angularly disposed side of an article packed in said box, said levelling portions being spaced to accommodate between them projecting portions of said side and for serving as a filler to prevent movement of the article in the box during transportation.

1,585,684. CONTAINER. FERDINAND SUCCESS OPPENHEIM, New York, N. Y. Filed Dec. 17, 1924. Serial No. 756,461. 6 Claims. (Cl. 229—14.)

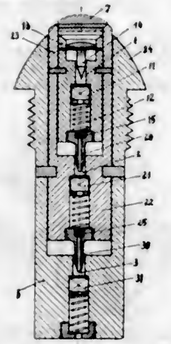


1. A packing and shipping box comprising an outer casing, and a plurality of nonintersecting spacing partitions arranged to abut one another and to form the inner walls of the box, at least one of said partitions having edge portions thereof folded successively to extend down, outward, up and infolded from the normal front surface of said partition to form tubular sections, the side walls of said sections serving to support and space the partitions from the adjacent walls.

1,585,685. CONVEYER. MAX H. PADE, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 28, 1920. Serial No. 377,235. 4 Claims. (Cl. 198—129.)

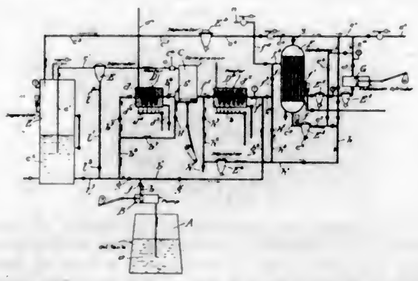
2. In a device for the uses and purposes set forth, an arched plate, and grids depending from said plate and converging inwardly.

1,585,686. FUSE FOR PROJECTILES. BOHDAN PANTOFLI ČEK, Pilsen, Czechoslovakia. Filed Sept. 3, 1924, Serial No. 735,610, and in Czechoslovakia Sept. 11, 1923. 9 Claims. (Cl. 102—37.)



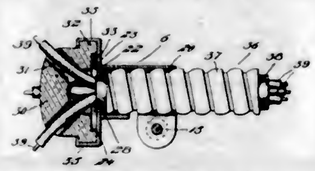
1. A fuse for projectiles, comprising a fuse cap and a plurality of individual fuses within said cap, each of which individual fuses comprises two elements mounted in a body the body of one individual fuse carrying one of such elements of the next following individual fuse.

1,585,687. PROCESS OF CRACKING OR OTHERWISE ALTERING THE COMPOSITION OF HYDROCARBONS. AUGUSTE J. PARIS, Jr., Bradford, Pa. Filed May 3, 1915. Serial No. 25,402. 18 Claims. (Cl. 196—9.)



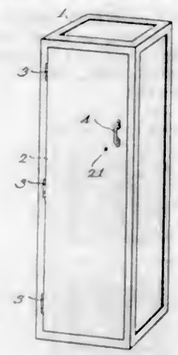
1. The process of altering the boiling points of hydrocarbon oils, which consists in heating the hydrocarbon oil to a temperature below its boiling point, mixing the oil without the separation of vapors therefrom with a gas, introducing the said mixture into a compressor, compressing said mixture for the purpose of heating the mixture, and subsequently cooling the resultant products and separating the liquids from the gas.

1,585,688. END FITTING. CHARLES V. PERRY, West Haven, Conn., assignor of one-half to Leonard P. Bosworth, Barrington, R. I. Filed June 4, 1924. Serial No. 717,727. 1 Claim. (Cl. 247—6.)



In an end fitting for cables, a sleeve comprising a shank portion and a longitudinally split clamp portion, a head plate provided with a central opening fixed to the end of the shank portion and forming an internal annular flange, a resilient split guard ring frictionally mounted in the shank portion and abutting against the flange, and an insulating head attached to the plate.

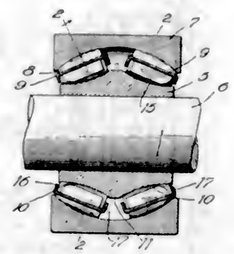
1,585,689. DOOR-LATCH MECHANISM. GRAHAM H. PIGGOT, Chicago, Ill. Filed Jan. 30, 1925. Serial No. 5,685. 5 Claims. (Cl. 292—118.)



1. The combination of means forming a body structure, a door mounted to open and close on said structure, movable latch mechanism on the body structure, means fixed on the door for engagement with the movable latch mechanism on the body structure, and means comprising a controller on the door to cause the operation of said latch mechanism to open the door, said movable latch mechanism comprising a vertically disposed latch bar provided with one or more lateral projections for engaging said fixed means on the door, and said controller comprising a handle movably mounted on the door and having connection to said latch bar, whereby upward movement of said handle will cause upward movement of said latch bar, and thereby disengagement of said lateral projection or projections of the bar from said fixed means on the door.

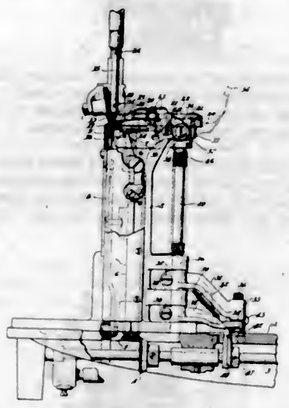
1,585,690. ROLLER BEARING. HERBERT E. PRATT, Chicago, Ill., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Kingdom of Sweden. Filed Oct. 22, 1918. Serial No. 259,288. 5 Claims. (Cl. 308—214.)

1. In a bearing of the class described, an outer bearing member having a spherical inner bearing surface, an inner bearing member having a concave bearing surface thereon, the curve of the surface corresponding in axial section with the curve of the inner surface of the outer bearing member, the bearing surface on one member be-



ing of larger diameter at one end and the bearing surface on the other member being of larger diameter at the other end and a series of rolls of larger diameter at one end than at the other.

1,585,691. TRIMMING MECHANISM FOR SEWING MACHINES. JOHN C. RINGE, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 7, 1924. Serial No. 742,095. 9 Claims. (Cl. 112—127.)

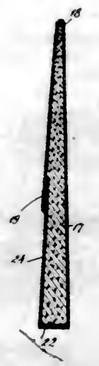


1. In a sewing machine, the combination with a supporting-frame and a work-supporting post projecting vertically therefrom, of a trimming-blade disposed above said post, a horizontally vibrating trimmer-blade carrier, a vertical rock-shaft disposed adjacent said post from which said carrier extends laterally, and means for oscillating said rock-shaft to vibrate said trimming-blade.

1,585,692. ROOFING ELEMENT. THOMAS ROBINSON, New York, N. Y. Filed Apr. 10, 1925. Serial No. 22,057. 9 Claims. (Cl. 108—8.)

1. A roofing element comprising the combination of a sheet doubled upon itself to provide a fold, and a body composed of a hardened plastic substance and comminuted materials graded so that the density of the body varies in different parts thereof, the rigidity being substantially uniform.

1,585,693. PREPARED ROOFING. THOMAS ROBINSON, New York, N. Y. Filed June 1, 1925. Serial No. 33,976. 11 Claims. (Cl. 108—8.)

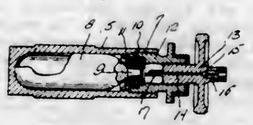


1. A tapered roofing element comprising the combination of a body of hardened plastic material and a sheet folded over to enclose one end of the body, the two plies of the sheet also covering the opposite faces of the body and one of these plies being folded upon itself to increase the thickness of the ply in a zone extending transversely of the element and spaced from the ends of the latter.

1,585,694. APPARATUS FOR LOADING MATERIAL. FREDERICK L. SCHOEW, Huntington, W. Va. Filed Jan. 6, 1925. Serial No. 840. 5 Claims. (Cl. 198—186.)

1. Loading apparatus comprising a sectional conveyor frame, means joining the sections permitting lengthening and shortening of the frame, a continuously movable belt carried by the frame also being composed of sections permitting addition and subtraction in consonance with the frame, a track carried by the frame also sectional to permit addition and subtraction, a carriage movable upon the track, and a movable cross conveyor mounted upon the carriage and receiving material from the conveyor belt for discharge at one side of the loader.

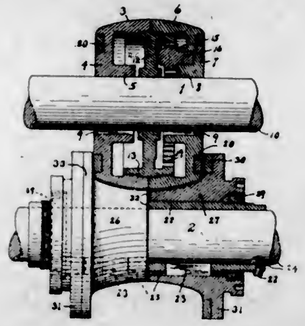
1,585,695. LIFE-SAVING BELT. RALPH LOUIS SCHROEDER, Owensboro, Ky. Filed Mar. 7, 1925. Serial No. 13,789. 2 Claims. (Cl. 9—19.)



1. As a new article of manufacture, a filling device for the tubes of life preservers and the like including a container, a bottle in the container for holding highly compressed air, a sleeve threaded into the container for holding the bottle therein, a member threaded in the sleeve and provided with a longitudinally extending bore, a cutter extending from the inner end of the mem-

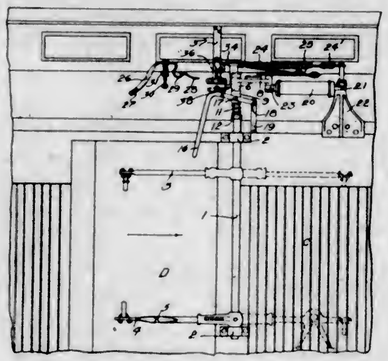
ber and provided with a bore coincident with the first mentioned bore whereby the member may be threaded into the container for engaging the cutter with the bottle so as to pierce the same.

1,585,696. ROLL. HENRY COLLIER SMITH, St. Marys, Ohio. Filed Dec. 4, 1922. Serial No. 604,721. 4 Claims. (Cl. 153—58.)



1. A roll formed of an externally threaded central portion and two internally threaded end portions screwed onto the central portion, said externally threaded portion being formed with a ring of gear teeth, and a pinion rotatably mounted in said roll whereby said externally threaded portion may be turned.

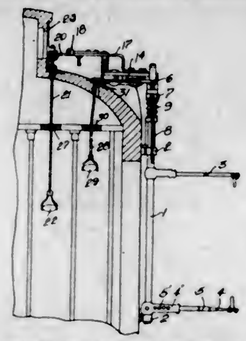
1,585,697. MAIL-EXCHANGE DEVICE. HERBERT E. SMITH, Spokane, Wash., assignor to Spokane Mail Equipment Company, Spokane, Wash. Filed Sept. 1, 1923. Serial No. 660,617. 6 Claims. (Cl. 258—11.)



1. In a device as described the combination with a rotary shaft and a loose clutch-sleeve thereon and means for operating the shaft, of a clutch device on the shaft for co-action with said sleeve for coupling the shaft and sleeve, and means including members detachable under impact for retaining the shaft in operative position when the clutch device is released.

1,585,698. RAILWAY-MAIL-EXCHANGE DEVICE. HERBERT E. SMITH, Spokane, Wash., assignor to Spokane Mail Equipment Company, Spokane, Wash. Filed Sept. 1, 1923. Serial No. 660,618. 7 Claims. (Cl. 258—11.)

1. A railway exchange device including a rotary crane, means for absorbing the shock of impact and means for moving said crane to inoperative position, manually operable means for swinging said crane to operative position, and means including members detachable under

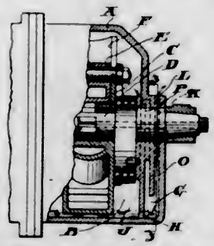


impact on the crane for retaining said crane in stationary operative position.

1,585,699. WATCHCASE RECEIVER. JAMES A. STIRLING, Elkhart, Ind., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind., a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,323. 15 Claims. (Cl. 179—119.)

15. In combination, a permanent magnet, soft iron pole pieces comprising flat bases and parallel upright portions, and an auxiliary air gap formed by striking out lugs from the parallel up-right portions.

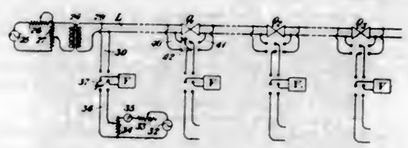
1,585,700. OIL TRAP FOR ROTARY ENGINES. JAMES STURROCK, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 31, 1925. Serial No. 47,246. 2 Claims. (Cl. 183—77.)



1. The combination of a casing, a rotary member rotatable about a horizontal axis within the main portion of the casing, a lubricant chamber at one side communicating at its bottom with the main portion of the casing, a plate in said lubricant chamber dividing a substantial upper portion of said chamber into two compartments, a passage leading from the main casing at a point near the axis of rotation into one of the said compartments, and a vent to atmosphere leading from the other of the said compartments, whereby a tortuous passage is formed for the escape of pressure fluid trapped within the said main casing.

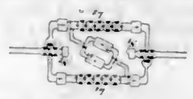
1,585,701. METHOD AND MEANS FOR TELEPHONE TRANSMISSION MEASUREMENTS. ALVA B. CLARK, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 10, 1922. Serial No. 580,937. 6 Claims. (Cl. 179—175.)

5. In a long distance telephone transmission line, means for indicating the transmission condition at points on the line, comprising a generator for impressing alternating current power on one end of said line, means for measuring the voltage across the line at the sending end, and similar means at a plurality of points along



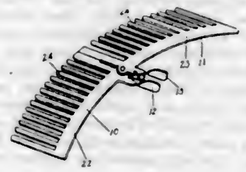
the transmission line for measuring the voltage across the line at such points, whereby the power at any point in the line as compared with that at the sending end may be obtained.

1,585,702. ECHO SUPPRESSOR FOR TWO-WIRE SYSTEMS. ALVA B. CLARK, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 22, 1923. Serial No. 658,781. 7 Claims. (Cl. 178—44.)



1. A transmission system comprising a two wire telephone line having two-way repeaters inserted at intervals therein, a four-wire link included in said line, said four-wire link comprising two one-way paths, one for transmission in each direction, means associated with each path whereby when transmission takes place over said path in one direction the path transmitting in the opposite direction is disabled, and means in said paths to delay the transmission of currents from one path to the other until said last mentioned means has operated.

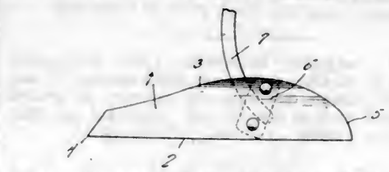
1,585,703. HAIR WAVER. DORA P. GLEASON, Cincinnati, Ohio. Filed Sept. 20, 1924. Serial No. 738,792. 6 Claims. (Cl. 132—38.)



1. In a hair waver the combination of a pair of combs, each comb being provided with a lug at its end, the lugs overlapping and being hinged one upon the other, each comb having a second lug and an abutment edge, the second mentioned lugs lying in the same plane for engagement upon one another, for limiting movement of the combs about the pivot in one direction, and the abutments likewise lying in a common plane for limiting movement of the combs about the pivot in an opposite direction, and a spring yieldingly retaining the abutments in engagement upon one another.

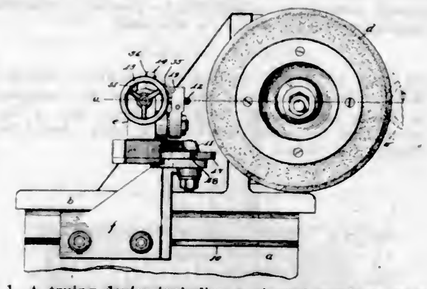
1,585,704. PLOW ATTACHMENT. ROBERT L. GULLICK, England, Ark. Filed Dec. 9, 1924. Serial No. 754,782. 1 Claim. (Cl. 97—206.)

A plow attachment consisting of an elongated plate concaved transversely throughout its length and having a bottom longitudinally extending straight edge, a top longitudinally extending curved edge merging into one end of the straight edge at an acute angle, the other end



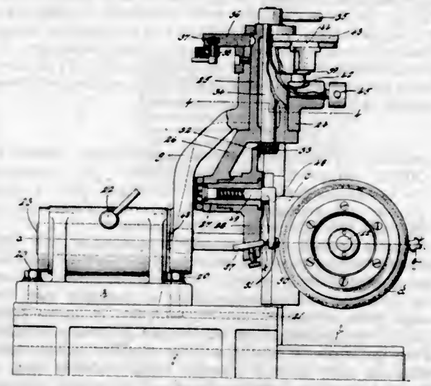
of the curved edge merging into an end straight edge disposed at an acute angle to the longitudinally extending bottom straight edge.

1,585,705. TRUING DEVICE. BENGT M. W. HANSON, deceased, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Original application filed Nov. 1, 1919, Serial No. 334,952. Divided and this application filed June 23, 1920. Serial No. 391,013. 19 Claims. (Cl. 125—11.)



1. A truing device including a pivoted carriage, means for holding the same against pivotal movement in either direction in each indexed position, a resurfacing tool on said carriage, and means for moving said tool in each indexed position back and forth substantially in a plane substantially parallel to that in which said carriage is indexed.

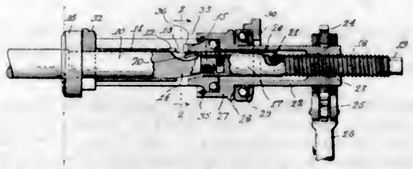
1,585,706. TRUING DEVICE FOR GRINDING WHEELS. BENGT M. W. HANSON, deceased, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Original application filed Oct. 10, 1922, Serial No. 593,487. Divided and this application filed Aug. 1, 1924. Serial No. 729,504 10 Claims. (Cl. 125—11.)



1. A truing device including an angularly indexible carriage, means for indexing it, a tool on said carriage,

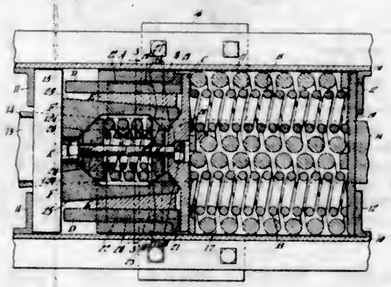
and means for reciprocating said tool, said carriage being angularly adjustable about a line substantially at right angles to the axis about which it is indexed.

1,585,707. SLEEVE REMOVER AND REPLACER. FRANK R. HARTSOCK, Warsaw, Ind., assignor of one-third to Charles O. Dickey and one-third to Leonard E. Dickey, both of Warsaw, Ind. Filed Apr. 12, 1924. Serial No. 706,030. 7 Claims. (Cl. 29—88.2.)



1. In a tool of the class set forth, a support adapted to be detachably attached to the end of a shaft, and means carried by said support for pushing a sleeve on the shaft, a device being provided for preventing rotation of said support with respect to the shaft.

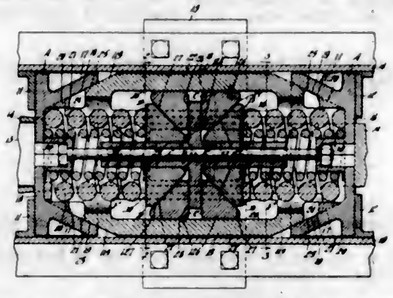
1,585,708. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 4, 1924. Serial No. 729,874. 7 Claims. (Cl. 213—33.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior, longitudinally disposed friction surfaces; of cooperating relatively movable friction elements within said shell, certain of said elements engaging the shell friction surfaces and the remaining elements being tapered and having inner friction surfaces inclined with reference to the axis of the mechanism; an expandible and contractible wedge pressure transmitting unit; a main spring resistance opposing inward movement of said wedge unit; and yielding means acting independently of said main spring resistance tending to maintain the unit expanded.

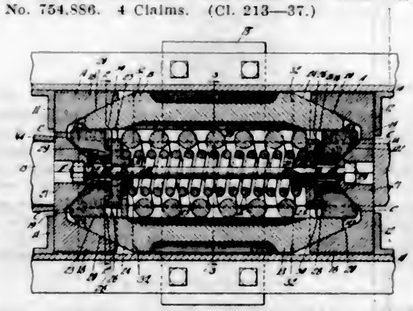
1,585,709. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 12, 1924. Serial No. 737,350. 8 Claims. (Cl. 213—37.)

8. In a friction shock absorbing mechanism, the combination with front and rear follower acting members having wedge faces thereon; of longitudinally disposed side members having wedge faces co-operating with the wedge faces of said followers, said side members being adapted to approach each other upon relative movement of the followers; a friction member disposed between said followers, said friction member being provided with a plurality of sets of friction surfaces angularly disposed with reference to each other; a plurality of sets of wedge friction elements co-operating with said side and friction members, the elements of each set having co-acting wedge faces and each set of elements co-operating with one



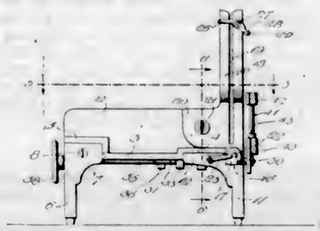
of said sets of said angularly disposed friction surfaces; and a spring resistance co-operating with certain of said friction wedge elements.

1,585,710. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 10, 1924. Serial No. 754,886. 4 Claims. (Cl. 213—37.)



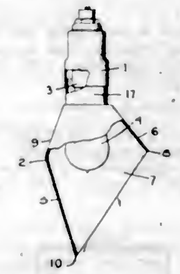
1. In a friction shock absorbing mechanism, the combination with front and rear, relatively movable main followers; of side members having longitudinally disposed friction surfaces; friction shoes engaging the friction surfaces of said side members; cooperating means on said side members and front and rear followers for effecting lateral approach of said side members and shoes upon movement of said followers toward each other; cooperating means on said shoes and followers for forcing said shoes against said side members and effecting movement of the shoes longitudinally of said side members; and a spring resistance means cooperating with said shoes.

1,585,711. SLICING DEVICE. ALFRED A. HAULMAN, Lebanon, Pa. Filed Dec. 11, 1924. Serial No. 755,232. 5 Claims. (Cl. 146—215.)



1. A slicing device comprising a platform having side walls, front and rear legs supporting said platform, the front legs having their upper end surfaces exposed, a pair of longitudinally slotted knife guiding standards pivotally connected to said side walls for movement to vertical or horizontal positions, the axes of the standard pivots spaced rearwardly from the standards, the lower ends of said standards abutting said upper end surfaces of the front legs to limit the movement of the standards when the latter are swung to vertical position, and releasable means for holding said standards in vertical position.

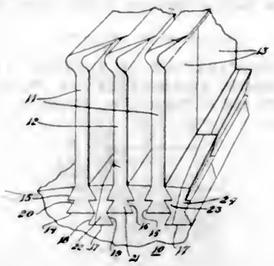
1,585,712. REFLECTOR. HORATIO C. HAWKS, Newton Center, Mass., assignor to Wheeler Reflector Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1923. Serial No. 626,666. 1 Claim. (Cl. 240—103.)



An electric light reflector for use in illuminating billboards and other vertical areas, comprising a neck portion having a lamp socket therein for receiving an incandescent lamp and a reflector portion presenting front and rear walls and end walls connecting the front and rear walls, the rear wall being flat and extending downwardly and outwardly from the neck at an angle to the axis thereof, and terminating in a straight horizontal lower edge situated substantially opposite the center of illumination, the front wall having a flat upper portion extending downwardly from the neck in an inclined direction opposite to that of the rear wall and to a point about opposite the lower edge of the rear wall, and a flat lower portion extending from the lower edge of the upper portion downwardly at an angle to the upper portion and in the same general direction as the rear wall, said lower portion terminating in a straight lower edge parallel to the lower edge of the rear wall, but at a point considerably below the rear wall, both the rear and front walls being wider at the lower end than at the upper end, and the end walls being also flat and occupying vertical planes situated at an angle to each other, whereby a rectangular opening is formed through which the light from the lamp is directed, the walls having such relation to each other and to the light that the amount of reflected light which is directed onto the lower portion of the illuminated area is enough greater than that directed onto the upper portion thereof so that the deficiency in direct illumination at said lower portion due to its farther distance from the source of light is overcome by the increased amount of reflected illumination.

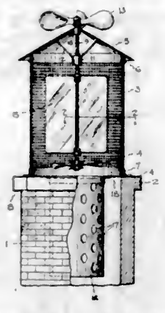
1,585,713. TURBINE-BLADE FASTENING. HERBERT T. HERR, Philadelphia, and LOUIS L. SMITH, Ridley Park, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 31, 1922. Serial No. 564,760. 11 Claims. (Cl. 253—77.)

1. In a turbine blade assembly, the combination with two blades seated against the opposite undercut walls of a holding slot of a blade holding element, respectively, of a two-part wedge member inserted therebetween and



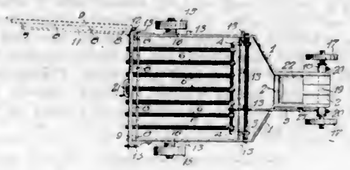
seated in a second slot, said wedge member being adapted to develop both a lateral and a radial thrust.

1,585,714. SPARK ARRESTER. VALGENE HOWARD, Flint, Mich. Filed Mar. 17, 1924. Serial No. 699,958. 2 Claims. (Cl. 183—73.)



1. A spark arrester comprising a base adapted to be superposed upon a chimney, an inclosure attached to said base thereabove having a foraminous wall, and adapted to communicate through the base with the chimney and a perforated cylindrical member carried by said base therebeneath, adapted to depend into said chimney in spaced relation to the wall thereof.

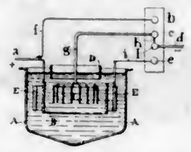
1,585,715. QUICK STACKER. THEODORE HUERTH, Sauk City, Wis. Filed Jan. 5, 1925. Serial No. 710. 3 Claims. (Cl. 130—26.)



1. In a quick stacker for hay, a rack mounted on wheels with a rear end gate hinged to one corner of the same and secured by hooks to the other corner, a beam across the gate adjacent the bottom thereof for supporting the rear ends of joists, a shaft journaled in boxes and disposed across the rack under the front end thereof, a crank arm secured to and extending approximately the length of the shaft, a series of joists pivotally attached at their front ends to the crank arm with the rear normally resting upon the cross-beam at the bottom of the gate, a lever mounted on the shaft and crank-arm in such a manner that raising the front end of the lever

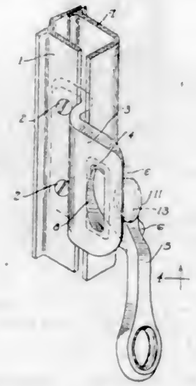
will pull forward the joist off of the beam and force them to the ground, and lowering the front end of the lever will raise the joist by means of the crank-arm, and means for locking the lever in the lower position.

1,585,716. PREPARATION OF SODIUM. PAUL LÉON HULIN, Grenoble, France. Filed Nov. 26, 1923, Serial No. 676,887, and in France Dec. 16, 1922. 13 Claims. (Cl. 204—21.)



1. In the production of sodium by the electrolysis of a bath of molten caustic soda with the use of a copper cathode and a slightly oxidizable anode, the step which consists in effecting periodically, with the electrolytic bath itself, a superficial oxidation of the cathode.

1,585,717. SASH LOCK. ROBERT H. HUMMERT, Dayton, Ohio, assignor to The S. H. THOMSON MANUFACTURING COMPANY, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 4, 1924. Serial No. 753,788. 1 Claim. (Cl. 292—241.)

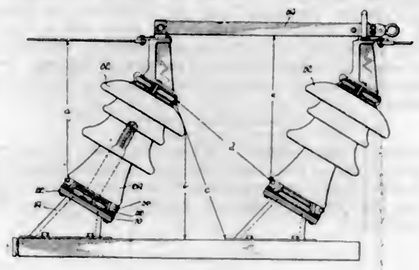


A device of the type described, comprising an escutcheon having a central hole, an arm formed with a hole in its inner end and with a cam portion partly curved around said hole, a pin extending through the hole in the came arm and escutcheon and flattened against the inner surface of the latter, said pin having a mushroom head, and a curled spring washer mounted between the mushroom head of the pin and the outer surface of the cam arm, for the purpose specified.

1,585,718. MOUNTING. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1921. Serial No. 463,676. 6 Claims. (Cl. 173—321.)

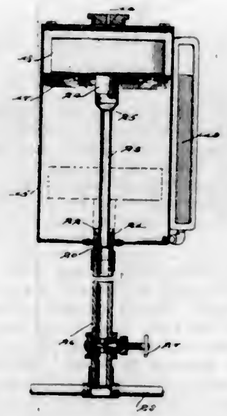
1. In a mounting for electrical apparatus, a pedestal comprising a hollow truncated cone having terminal flanges lying in planes at an angle to each other, a support, means attaching one of said flanges to said support, an insulator mounted on the other flange and lying at an angle to said support, and exposed means externally attaching said insulator to said last flange.

4. In a mounting for electrical apparatus, in combination, a pedestal having a base, a plate bolted on said base, an insulator on said plate, clamping means encircling said



insulator and bolted to said plate and base to prevent displacement of said insulator, and key means projecting from said plate for engagement with said insulator to prevent rotation thereof.

1,585,719. LUBRICATING SYSTEM FOR AUTOMOBILES AND OTHER MOTOR CARS. JAMES MADISON JACKSON, Parkersburg, W. Va. Filed May 4, 1925. Serial No. 27,879. 2 Claims. (Cl. 184—7.)

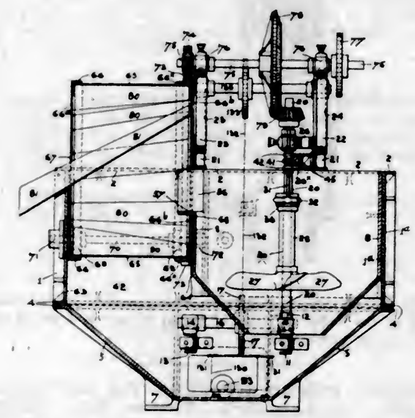


1. A lubricating system for motor vehicles having springs, shackle bolts, steering gears and spindle bolts among other points to be lubricated, said system including a reservoir, a feed pipe leading from the reservoir and having branches extending to the several points to be lubricated, nipples connecting said branches to the points to be lubricated and having bored bushings and feed control packings of absorbent material, a feed controlling valve in the feed pipe adjacent to the reservoir, and an automatically controlled valve within the reservoir to prevent exhaustion of its supply of lubricant, for the purpose described.

1,585,720. MACHINERY OR APPARATUS FOR WASHING COKE, BREEZE, AND THE LIKE. ARTHUR LAKE JENNINGS, Cleckheaton, England. Filed Aug. 12, 1924. Serial No. 731,605. 4 Claims. (Cl. 209—17.)

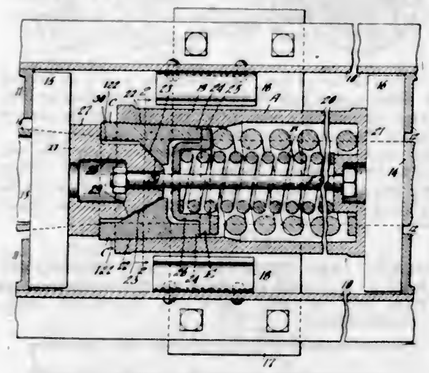
1. In washing and separating apparatus of the class described having in combination an outer tank made in sections, an inner chamber fixed therein adjacent one wall of said tank for receiving the material to be washed and separated, said outer tank and inner chamber being

made partly vertical and partly tapered, the outer tank being closed at the bottom and having an open top, and the inner chamber having a weir at the top, and a restricted opening in its bottom, both the outer tank and the inner chamber being filled with water to a desired



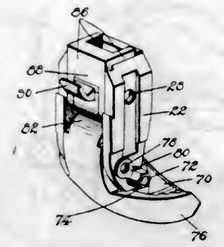
level, a propeller mounted upon a vertical shaft arranged in the inner compartment for raising the lighter material within the chamber onto the weir, and means for discharging the washed material and dross away from said tank and chamber.

1,585,721. FRICTION SHOCK-ABSORBING MECHANISM. GEORGE A. JOHNSON, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,216. 9 Claims. (Cl. 213—24.)



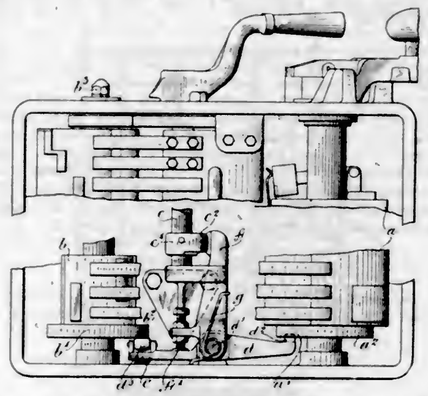
2. In a friction shock absorbing mechanism, the combination with a friction shell having interior opposed friction surfaces, the effective distance between which, at their outer ends, is greater than at their inner ends; of a spring resistance; a plurality of friction-shoes co-operable with said friction surfaces; pressure-transmitting means co-operable with said shoes at the initial part of the compression stroke; and wedge means, normally free from co-operative wedge action with said shoes, but adapted to have co-operative wedge action with said shoes as the compression stroke takes place.

1,585,722. GRIPPER. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 14, 1922. Serial No. 600,946. 16 Claims. (Cl. 12—11.1.)



14. A gripper comprising, in combination, a casing movable to pull a shoe upper, a holder having a pair of co-operating gripper jaws mounted thereon, and a latch for detachably securing said holder in predetermined relation to the casing.

1,585,723. INTERLOCK DEVICE FOR RAIL-CAR-CONTROL SYSTEMS. LYMAN C. JOSEPHS, Jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 14, 1925. Serial No. 2,439. 5 Claims. (Cl. 74—83.)

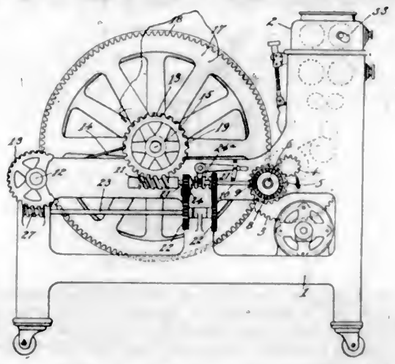


1. In a vehicle provided with control mechanism for regulating the speed of the prime mover, control mechanism for controlling the vehicle speed independently of the speed of the prime mover, and reverser mechanism changing the conditions of control depending upon the direction of travel of the vehicle, interlock means operable automatically to secure the controlling mechanism against surreptitious operation when the reverse mechanism is in "off" position, means operable automatically when the prime mover is in idling position and the reverser is in "off" position to lock the speed controlling means for the prime mover.

1,585,724. LOAF-MOLDING MACHINE. FRANK X. LAUTENBUR, Sidney, Ohio. Filed Sept. 12, 1921. Serial No. 500,053. 15 Claims. (Cl. 107—9.)

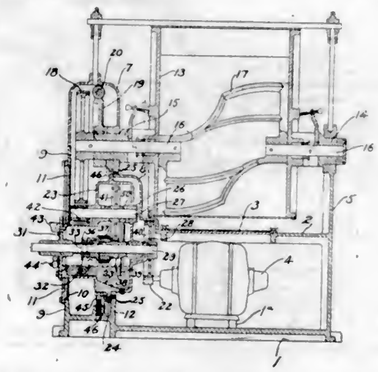
7. In a device of the character described, the combination with a curved, adjustable pressure element, a rotary drum co-operating therewith to form a loaf of dough, flanges for the drum independently rotatable with relation thereto, and movable means for mounting the drum and flanges, whereby it may be positioned to co-operate with the pressure element or be removed from such position to expose said element.

11. In a device of the character described, a pressure member, a shaft movable to and from said member, a drum on said shaft, revolubly mounted flange members



for the drum on said shaft, driving means for the shaft, and teeth on the flange members, and gears to engage said teeth to drive the flange members at a different speed from the drum.

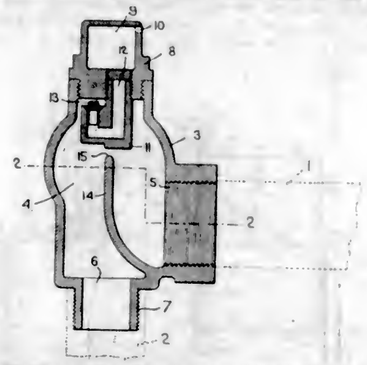
1,585,725. DOUGH MIXER. FRANK X. LAUTERBUR, Sidney, Ohio. Filed May 1, 1922. Serial No. 557,625. 4 Claims. (Cl. 74—7.)



1. In combination, a machine frame, an operating device to perform desired work, comprising a gear to be driven, a motive power device comprising a driving gear, intermediate gearing for connecting the said driving gear and gear to be driven, said intermediate gearing comprising shiftable elements having a frame forming a unit of said gearing, and means for demountably securing said frame into the machine frame, said intermediate gearing adapted to mesh with said driving gear and gear to be driven, upon connecting said frames together.

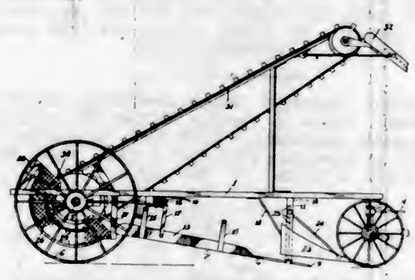
1,585,726. FLOW-CUT-OFF PIPE FITTING. MARK A. LAWTON, Newton, Mass. Filed Feb. 5, 1925. Serial No. 6,934. 2 Claims. (Cl. 137—69.)

1. A flow cut-off pipe fitting comprising a casing enclosing a chamber with inlet and outlet openings in the casing to and from the chamber and with an opening from the top of the chamber to the atmosphere, a baffle wall extending across the chamber between said inlet and outlet openings, dividing the chamber into two compartments and having its upper edge above the top of the inlet opening, and a vacuum relief valve in the opening from the top of the chamber whereby, when the flow of liquid into the casing is shut off outside the inlet opening, the liquid on the outlet side of the baffle



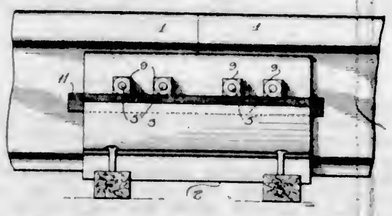
wall will drain off and leave the chamber on the inlet side of the baffle wall full of liquid up to the level of the top of the baffle wall.

1,585,727. PICK-UP APPARATUS FOR ROOT LOADERS. HAROLD LEITCH, Hornings Mills, Ontario, Canada. Original application filed Mar. 10, 1925, Serial No. 14,578. Divided and this application filed Dec. 23, 1925. Serial No. 77,275. 2 Claims. (Cl. 55—106.)



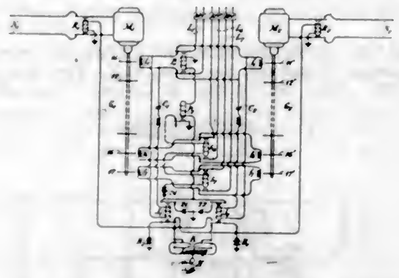
1. In a device of the class described, a pick-up apparatus comprising a pair of forwardly inclined pick-up arms having converging inner edges and each terminating in a prong for penetration of the soil on opposing sides of roots to be uplifted, stationary members pivotally supporting said prongs, means for securing said pick-up arms one to the other in spaced relation, and means for imparting a vibratory motion to the rear of the pick-up arms.

1,585,728. RAIL-JOINT LOCK AND STABILIZER. JOHN J. MANGHAM and JOHN M. SLATE, Bremen, Ga. Filed Oct. 17, 1925. Serial No. 63,009. 3 Claims. (Cl. 238—262.)



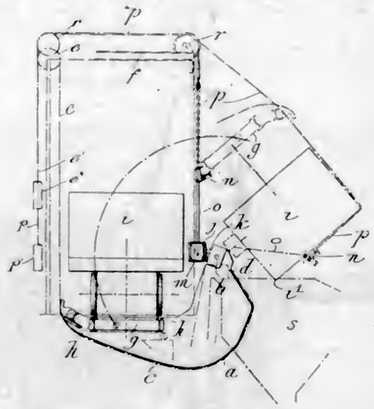
1. A rail joint and stabilizer comprising a combined chair and fish plate adapted to extend under the lower flanges of the meeting rails and also extend up the web of the rails, but terminating short of the top of the web, and having a notch therein, a second plate adapted to embrace the lower flanges of the rails and also to extend up the sides of the meeting rail webs, a plurality of screw-threaded bolts passing through both plates and the webs of the rails, nuts for clamping the plates to the webs and a rigid bar with its end insertible in the notch in the side of the plate, said bar resting against a side of the nuts to lock the same.

1,585,729. EMERGENCY SWITCHING MECHANISM. ANDREW L. MATTE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 12, 1922. Serial No. 594,161. 2 Claims. (Cl. 178—44.)



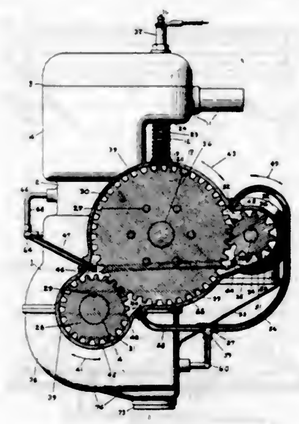
1. In a carrier telegraph system comprising a generator of a plurality of carrier frequencies, a second similar generator of carrier frequencies, a switch for substituting the second for the first generator, said switch being controlled by a departure from normal operation of the first said generator, said switch comprising means to start the second generator and stop the first, and other means for disconnecting the generating coils of the first and connecting the generating coils of the second generator to the communication circuits.

1,585,730. APPARATUS FOR TIPPING RAILWAY WAGONS. FREDERICK GILBERT MITCHELL, London, England. Filed Dec. 8, 1922. Serial No. 605,682. 8 Claims. (Cl. 214—52.)



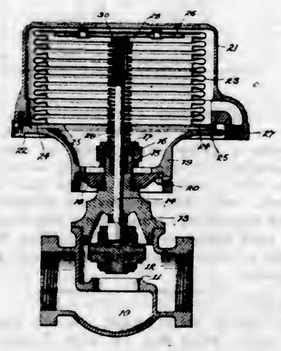
1. Wagon tipping apparatus of the kind referred to, comprising a tipping wagon carrier, counter-balanced flexible wagon sustaining means, and a longitudinal wagon sustaining beam carried by said flexible wagon sustaining means and arranged to bear against the end walls of an open top wagon at parts thereof between the side walls of the wagon.

1,585,731. INTERNAL-COMBUSTION ENGINE. FRANK J. OAKES, Indianapolis, Ind. Filed Oct. 16, 1922. Serial No. 594,942. 3 Claims. (Cl. 184—31.)



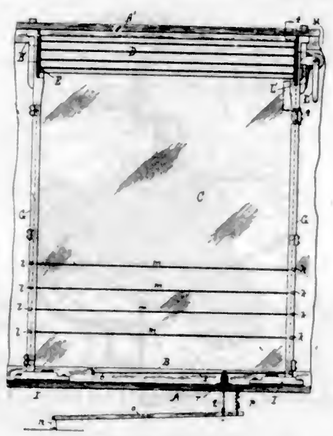
1. An explosive engine comprising a toothed gear axially carried with the crank shaft thereof, a toothed gear axially fixed to the cam shaft thereof, and meshing with said crank shaft carried gear, a generator adapted to supply the electrical current for the firing mechanisms of said engine, a toothed gear axially fixed to said generator shaft in meshed relation with said cam shaft fixed gear, a gear casing adapted to enclose together said crank shaft carried gear, said cam shaft fixed gear and said generator gear, thereby comprising a gear pump with said gears, passages constructed to, from and between said gears, by which the cam shaft fixed gear is adapted to serve simultaneously as the mate pumping gear for both the crank shaft carried gear and the generator gear, for pumping lubricating fluid to the various frictional surfaces of said engine.

1,585,732. VALVE. ARTHUR J. OTTO and CHARLES L. FORTIER, Milwaukee, Wis. Filed Mar. 17, 1922. Serial No. 544,533. 5 Claims. (Cl. 137—156.)



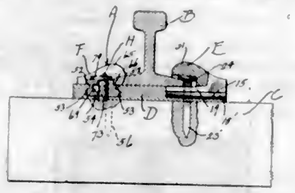
2. The combination of a valve having a stem; a frusto-conical motor mount threaded on said valve; a motor supported by said mount, said motor including a skirt surrounding said mount, and a metallic bellows diaphragm adapted to actuate said stem; and a plurality of clamping screws threaded in said skirt and engaging the conical surface of said mount.

1,585,733. PROTECTIVE SHUTTER FOR SHOP WINDOWS. ALONSON D. PERKINS, New York, N. Y. Filed Oct. 20, 1923. Serial No. 669,874. 2 Claims. (Cl. 20—40.4.)



1. A protective shutter for shop-windows and the like, which comprises a gravity screen rolled upon a drum and held in check by a detent,—a detent mounted on a rotatable rod, and adapted to engage said drum,—without in any way supporting said shutter,—a rotatable rod adapted to release said detent when itself partly rotated,—and means whereby a part rotation may be communicated to said rod to release said detent, and permit the unrolling of said screen automatically.

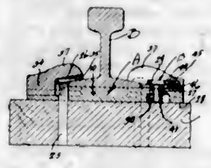
1,585,734. RAIL FASTENER. ROCCO PRONINI, Smith River, Calif. Filed Feb. 18, 1926. Serial No. 89,200. 9 Claims. (Cl. 238—304.)



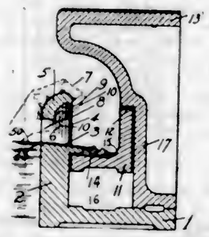
1. In a rail fastener the combination with a rail and a tie, a tie plate between the rail and tie, said tie plate having a guide way therein at one side of the rail transversely of the rail and a second guide way therein at the opposite side of the rail longitudinally of the rail, and fastener devices slidable along said guide ways respectively transversely and longitudinally of the rail, said fasteners having retaining flanges thereon adapted to overlie the base of the rail to secure the rail in place.

1,585,735. RAIL FASTENER. ROCCO PRONINI, Smith River, Calif. Filed Feb. 18, 1926. Serial No. 89,201. 10 Claims. (Cl. 238—20.)

1. A rail fastener comprising a tie plate having guide ways provided inwardly of its upper face and key ways in said plate, retaining fasteners slidable in said guide ways having rail engaging portions and having openings therein for alignment with said key ways, means for securing the tie plate to a tie, and rotatable locking means extending thru the aligning key ways and openings of the tie plate and retaining fasteners for locking the latter in an operative relation to the rail, said key ways of the tie plate having movement limiting shoulders thereon against which the rotatable locking means abuts to limit the rotational movement of the latter.



1,585,736. CONSTRUCTION OF SWIMMING POOLS. GABRIEL E. ROHMER, New York, N. Y. Filed Aug. 11, 1924. Serial No. 731,410. 22 Claims. (Cl. 4—172.)

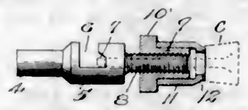


1. A swimming pool having drainage means located at its high water level periphery, life rail means above said high water level periphery and open spans between said drainage means and said life rail means.

1,585,737. HAND BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,649. 7 Claims. (Cl. 150—29.)

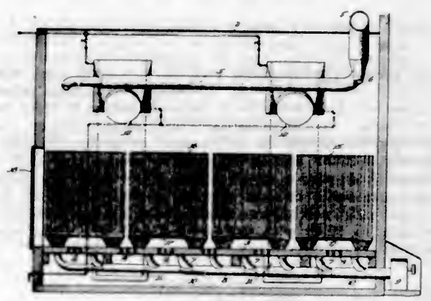
1. A hand bag having a frame consisting of two frame members pivotally connected at their ends, integral plate-like extensions from the ends of the frame members overlying and partially concealing these connections and pieces of mesh secured to the frame and to the extensions and secured together beyond the ends of the frame.

1,585,738. STONE-SETTING TOOL. LEE W. ROWLAND, Windom, Minn. Filed Aug. 31, 1925. Serial No. 53,578. 1 Claim. (Cl. 279—S.)



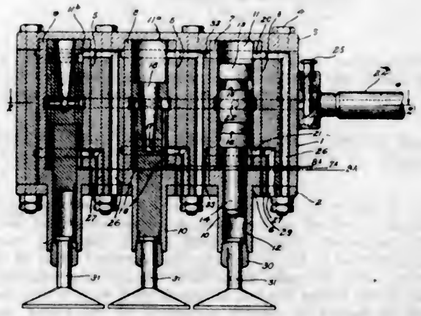
The combination with a head having a stud and an alined threaded stem, of a flanged nut on said stem, a bushing having a centering head on said nut for contact with a ring, and means on the head for coaction with said bushing in supporting said ring said means consisting of a notch in the head and an undercut communicating portion forming a seat and retaining means for the ring.

1,585,739. METHOD AND APPARATUS FOR DRYING RUBBER. WILLIAM T. RUNALS, Jr., Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 25, 1920. Serial No. 361,308. 13 Claims. (Cl. 34—19.)



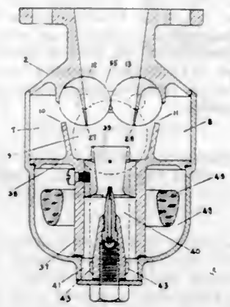
4. In the art of drying rubber, the steps of vertically supporting sheets of rubber in spaced relation in an enclosed chamber, circulating a heating gaseous drying medium downwardly in the chamber between the sheets, withdrawing the medium from the chamber and returning it again, reheating the medium to replace the heat lost by evaporation of the moisture in the rubber and removing from the body of the substantially saturated medium a portion thereof and replacing the portion withdrawn by a fresh supply.

1,585,740. PNEUMATIC TOOL. CHARLES SAULIA, Brooklyn, N. Y. Filed May 22, 1924. Serial No. 715,110. 2 Claims. (Cl. 121—17.)



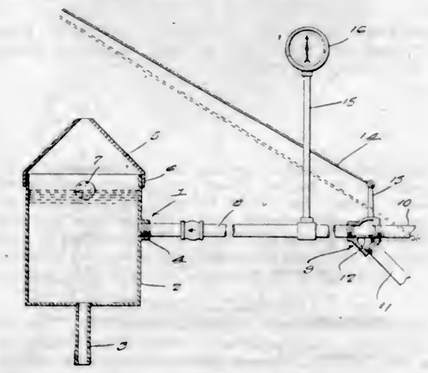
1. A penumatic tool comprising a body having a plurality of separate piston chambers extending in the same direction and of different lengths, pneumatically actuated pistons in said chambers reciprocating from end to end thereof, and separate tools carried by said pistons so as to be operated therefrom, the chambers of different lengths preventing continued synchronous reciprocations of said pistons.

1,585,741. CARBURETOR. WILLIAM O. THEWES, Ridgeville, Ohio, assignor to The R. & S. Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Apr. 26, 1922. Serial No. 556,593. 2 Claims. (Cl. 261—44.)



1. In a carburetor, a fuel chamber, a Venturi tube, an air inlet leading to said Venturi tube, said Venturi tube discharging into a mixing chamber, said mixing chamber having oppositely disposed openings in its walls, an outlet leading from said mixing chamber, an auxiliary air inlet communicating with the openings in the walls of said mixing chamber, means for feeding fuel from said fuel chamber into said mixing chamber through said Venturi tube, and a pair of rotatable throttle valve members arranged between the air openings in said mixing chamber and said outlet and having cooperating recesses to provide a constricted passage between said mixing chamber and the outlet passage and each having a heel to control the air passing into said mixing chamber from said openings, the size of the passage and the amount of air passing into said mixing chamber being proportionately governed by the rotation of said valve members.

1,585,742. LUBRICATING SYSTEM. WILLIAM G. TWYMAN, Poteau, Okla. Filed Oct. 20, 1925. Serial No. 63,651. 2 Claims. (Cl. 184—6.)



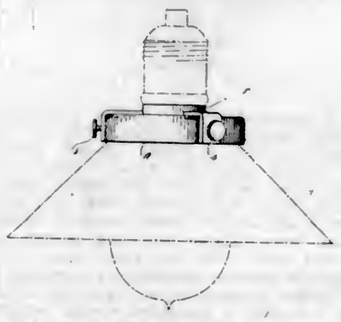
2. In a lubricating system of the kind described, an oil cup comprising a receptacle which is open at its top

and provided in its side between its top and bottom with a supply pipe connecting nipple and provided at its bottom with a discharge pipe, a truncated conical cover connected to the receptacle and closing said open top, the truncated end of said cover forming an air vent and the inner surface adjacent the vent forming a valve seat, and a float valve in said cup adapted for cooperation with said seat.

1,585,743. PLASTER BLOCK AND COMPOSITION THEREFOR. FREDERICK M. VENZIE, Philadelphia, Pa. Original application filed Oct. 12, 1923, Serial No. 668,045. Divided and this application filed Jan. 20, 1925. Serial No. 3,592. 5 Claims. (Cl. 106—34.)

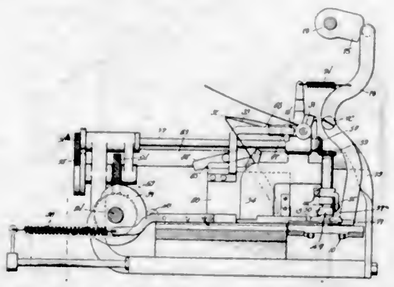
4. As a new article of manufacture a block or slab formed of a composition consisting of about three parts of plaster-of-Paris, about one part of powdered or finely granulated cork, a sufficient quantity of fibres to ensure a binder and a sufficient quantity of sulphite-of-zinc to hasten hardening.

1,585,744. SHADE HOLDER. PAUL VOGT, Baden, Switzerland. Filed Dec. 15, 1921, Serial No. 522,669. Renewed Oct. 10, 1925. 2 Claims. (Cl. 240—129.)



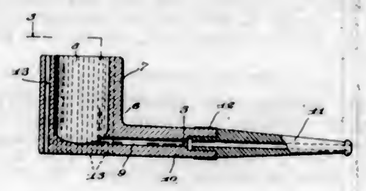
1. Insulating holder for the shade or globe of electric incandescent lamps consisting of a laterally extending insulating body which has in the center a hole adapted to fit over the end of the lamp socket, and in the downwardly extending outer rim recesses or pockets adapted to receive metal bushings for the screws holding the shade or globe, and in the inner and outer walls of the recesses or pockets, corresponding to the screw threaded hole of the bushing, holes which are a little wider than the hole of the bushing.

1,585,745. BAG-TYING MACHINE. JULIUS H. WALD, Chicago, Ill. Filed Mar. 31, 1925. Serial No. 19,751. 16 Claims. (Cl. 112—11.)



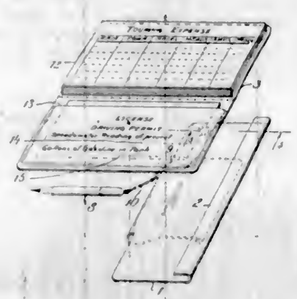
1. A bag tying machine for tying a bag having a gathered neck, the axis of which extends longitudinally of the bag comprising means for forcing a loop of cord through the gathers at the neck of the bag, and means for opening the loop and for placing the loop over the ends of the gathers and causing it to substantially completely encircle the neck of the bag and drawing the loop up about the neck.

1,585,746. TOBACCO-SMOKING PIPE. JOSEPH A. WALTERS, New York, N. Y. Filed July 10, 1925. Serial No. 42,683. 1 Claim. (Cl. 131—12.)



A tobacco-smoking pipe comprising a bowl and stem portion, said bowl being rectangular in longitudinal section and provided with a chamber leading in from the top thereof and terminating short of the bottom, the stem portion having an air channel communicating with the chamber of said bowl portion, and a plurality of unrestricted passageways arranged between the inner and outer walls of said chamber and parallel with the vertical axis thereof, said passageways having their ends terminating flush with the top and bottom of said bowl portion respectively.

1,585,747. MEMORANDUM DEVICE. JOHN ALFRED WEINGART, Shelburne, Nova Scotia, Canada. Filed Mar. 18, 1925. Serial No. 16,291. 6 Claims. (Cl. 281—29.)

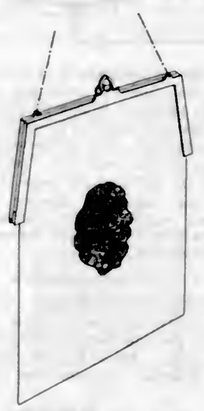


3. A device of the class described, comprising a holder having a reflexed edge portion, a folder comprising hingedly connected front and back covers, the back cover being pivoted to the holder and the unhinged edges of the folder being normally engaged by the reflexed edge portion of the holder but out of engagement with which they may be moved by pivotal movement of the folder, and means associated with the holder by which it may be attached to a supporting ledge.

1,585,748. EXERCISING APPARATUS. ALBERT C. WENDELKEN, Marietta, Ohio. Filed Apr. 28, 1925. Serial No. 26,368. 8 Claims. (Cl. 272—79.)

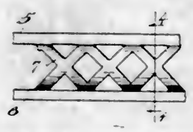
3. In an exercising device, a base, a rotatable member eccentrically supported on said base, and means for regulating the eccentricity of said rotatable member, a foot plate supported on said rotatable member for universal movement thereon.

1,585,749. HAND BAG AND METHOD OF ORNAMENTING THE SAME. CHARLES A. WHITING, Franklin, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed Dec. 18, 1925. Serial No. 76,158. 8 Claims. (Cl. 41—24.)



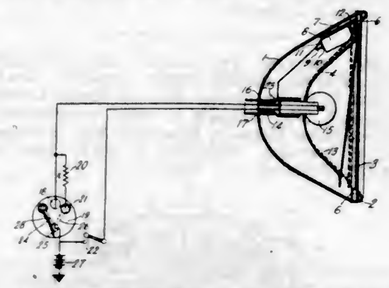
1. The method of ornamenting flexible metal fabric which comprises subjecting a portion of the fabric to pressure to eliminate the flexibility thereof.

1,585,750. GARTER. KENELM CHASE WINSLOW, Spokane, Wash. Filed Aug. 25, 1925. Serial No. 52,303. 1 Claim. (Cl. 241—5.)



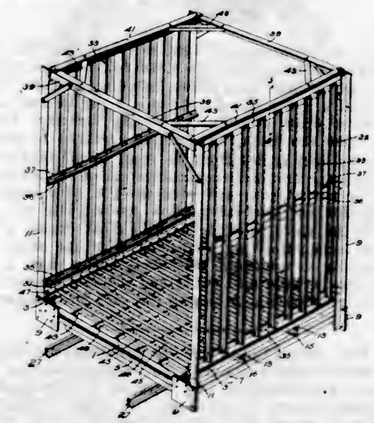
A garter comprising an elastic member having edge strips formed of circular rubber bands, open work sections of rubber connecting said edge strips and integral therewith and extending transversely therebetween, said sections being of greater diameter than said bands to house thereunder the rolled edge of a stocking with one of the edge strips disposed beneath the roll.

1,585,751. TILTABLE HEADLIGHT REFLECTOR. LEO R. YEAGER, Columbus, Ohio. Filed Nov. 16, 1923. Serial No. 675,202. 4 Claims. (Cl. 240—41.)



3. In combination with a lamp structure, a light projecting device adjustable to vary the direction of the beam of light, electrical means for adjusting said projecting device by a current of one value and for maintaining adjusted position by a current of lower value, and remote means for controlling said electrical means, said remote means comprising means for allowing said relatively high current to be only temporarily effective.

1,585,752. RACK FOR DRYING STAVES. CLARENCE H. YOUNG, Boston, Mass. Filed June 9, 1925. Serial No. 35,910. 21 Claims. (Cl. 105—160.5.)



4. A stave drying rack having a chassis comprising superimposed rectangular frames formed of structural steel members at the ends and sides of said frames, means connecting each frame to the other to form a rigid girder structure, posts at each corner of said chassis, reticulated side walls carried by said posts, and a reticulated floor carried by the uppermost of said frames.

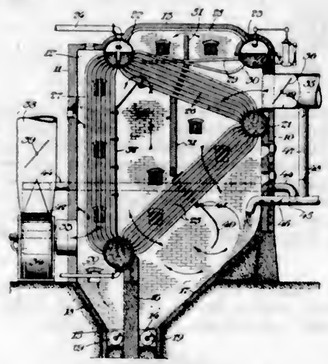
1,585,753. STEERING GEAR FOR FOUR-WHEEL TRAILED VEHICLES. ACHILLE ARATO, Kiel, Germany. Filed Sept. 22, 1925, Serial No. 57,929, and in Italy Oct. 7, 1924. 7 Claims. (Cl. 280—33.5.)

1. In a trailed vehicle having two pairs of steering wheels, steering means for each pair of wheels, spring

means between the vehicle frame and said steering means yieldingly holding the same and associated wheels in

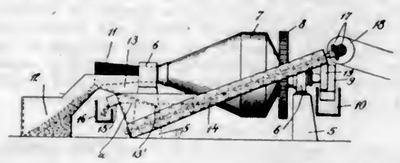
straight-running position and means operatively interconnecting, with lost motion, the steering means of the two pairs of wheels.

1,585,754. BOILER APPARATUS FOR UTILIZING THE WASTE GASES FROM CEMENT KILNS. GEORGE Y. BONUS, Chicago, Ill., and EDGAR KIDWELL, Milwaukee, Wis., assignors, by mesne assignments, to Kidwell Boiler Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 3, 1921. Serial No. 449,472. 8 Claims. (Cl. 122—7.)



8. In an apparatus for the purpose described, the combination with a water-tube steam boiler of the multiple drum and tubular bank type, including a front water drum and a front steam-and-water drum located above said water drum, a boiler supporting structure having a pit below the boiler, and baffling arranged to provide succeeding heat passes from the front to the rear of the structure, the first pass communicating at its lower end with the second pass and with the pit, of a discharge conduit for hot dust-laden gases leading into the first pass in the space between the said front drums, a centrifugal exhausting fan connected with the final pass and having a secondary peripheral outlet, and a pipe connection between said outlet and the said conduit, and means for opening and closing the said pipe connection.

1,585,755. NODULIZATION OF MINERALS. WALTER O. BORCHERDT, Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 15, 1922. Serial No. 588,499. 31 Claims. (Cl. 209—49.)

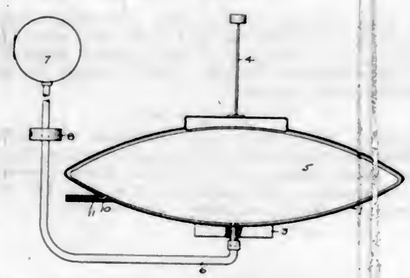


1. The method of improving the nodulization of minerals associated with colloidal constituents in a mineral pump, which comprises removing colloidal constituents to a desired extent from the mineral pulp, and thereafter subjecting the remaining mineral pulp to a nodulization operation in which such colloidal constituents as have been removed from the pulp would, if present, exert a deleterious effect.

1,585,756. TREATMENT OF MINERALS. WALTER O. BORCHERDT, Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 11, 1922. Serial No. 606,341. 18 Claims. (Cl. 209—5.)

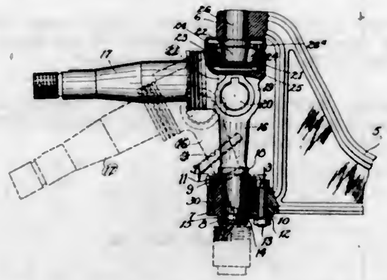
1. The method of improving the treatment of minerals associated in a mineral pulp with colloidal constituents, which comprises subjecting the mineral pulp to a colloid-selective froth-flotation operation adapted to remove from the mineral pulp a substantial amount of said colloidal constituents, and thereafter subjecting the remaining mineral pulp to a separative treatment other than flotation in which such colloidal constituents as have been removed therefrom would if present exert a deleterious effect.

1,585,757. TOY SUBMARINE. WILLIAM BORKENSTEIN, Fort Wayne, Ind. Filed Jan. 17, 1924. Serial No. 686,714. 3 Claims. (Cl. 46—37.)



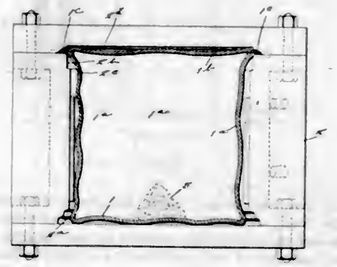
1. In a toy, the combination of a hollow body having means therein for normally admitting water from the exterior to cause the body to sink in water, an inflatable member within the body adapted to expel the water therefrom for controlling the depth of the body in the water, means exteriorly of the body and connected to the inflatable member for inflating the same, a hollow member connected to the inflatable member and projecting through the body and adapted to exhaust the air in a jet from the inflatable member into the surrounding water for propelling the body.

1,585,758. STEERING-KNUCKLE CONSTRUCTION. TRACY V. BUCKWALTER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 2, 1923. Serial No. 610,191. 8 Claims. (Cl. 280—96.1.)



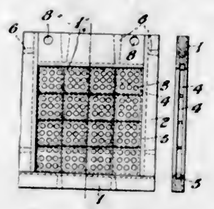
1. The combination with an axle of a roller bearing and a cup bearing mounted on said axle in axial alinement, a steering knuckle comprising a pivot portion having one end journaled in said cup bearing and having its other end recessed to receive said roller bearing, and a member supported on said axle and adjustably engaging said cup bearing, said member serving as a support for said cup bearing and as a means for adjusting the same longitudinally on its axis.

1,585,759. PROCESS OF MAKING RADIOCABINETS. GEORGE W. BULLEY, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 30, 1925. Serial No. 47,018. 4 Claims. (Cl. 18—56.)



4. The hereindescribed method of making a container of hard rubber having a slip cover, which consists in forming a hollow body of hard rubber compound, enclosing the same in a mold having an enlarged upper part and designed so as to be provided with convex fillets in the corners below said enlarged upper part, subjecting the same to curing heat with internal fluid pressure, and finally severing the top on the line of outward bulge produced by said enlarged top.

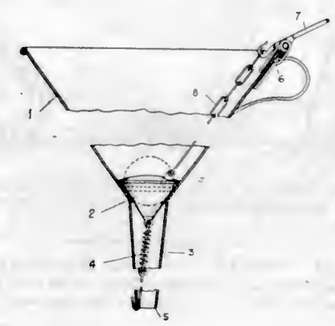
1,585,760. ACCUMULATOR PLATE. JAMES MCDONALD BURNETT, Weston-by-Welland, and JOHN ALFRED FULLILOVE, Market Harborough, England. Filed May 6, 1924. Serial No. 711,465. 5 Claims. (Cl. 136—66.)



1. An accumulator plate structure comprising an accumulator plate proper, an insulating frame secured around the edge thereof and a connecting element cast between said insulating frame and said plate proper for securing the same together, said connecting element extending into a recess in said insulating frame which is of such shape that said frame is positively locked to said connecting element irrespective of the force of adhesion.

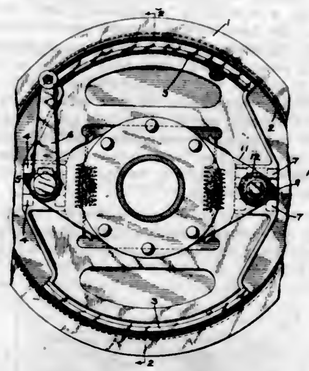
1,585,761. FUNNEL FOR MEASURING, DRAWING, AND POURING LIQUIDS. GIAN BATTISTA CANALE, Sori, Italy. Filed Feb. 2, 1925. Serial No. 6,461. 3 Claims. (Cl. 226—36.)

1. In a detachable valve, mechanism for funnels in combination, a valve member adapted to seat in a funnel, a seating spring secured to the lower side thereof, a hook on said spring adapted to be secured over the edge of the



spout of the funnel, an actuating lever adapted to be detachably secured to the rim of the funnel and an adjustable connection between said lever and valve member.

1,585,762. AUTOMOTIVE BRAKE. CHRISTOPHER P. CASS, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1923. Serial No. 626,671. 2 Claims. (Cl. 188—78.)

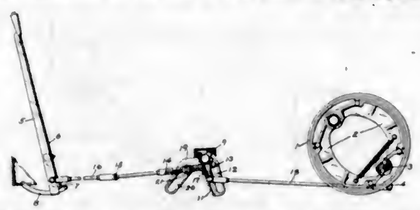


1. The combination with a brake drum and brake shoes mounted in said drum, of a hinge pin interposed between adjacent ends of said brake shoes, a cam associated with said pin and adjustable by rotation of said pin to spread the brake shoes, teeth carried by said pin, and a stationary member provided with teeth adapted to interlock with the teeth on the pin to hold said pin in its adjusted position.

1,585,763. AUTOMOTIVE BRAKE MECHANISM. ALBERT J. CHAPIN, Oakland, Calif., assignor to the Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Oct. 19, 1923. Serial No. 669,530. 2 Claims. (Cl. 74—110.)

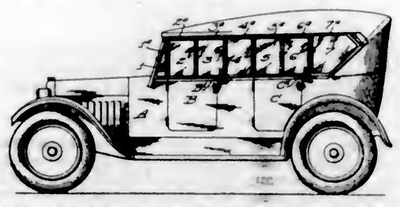
1. In a vehicle brake, the combination with braking members, a hand lever, and operating connections between said hand lever and said braking members including a pull rod connected to said hand lever, and a brake rod connected to said braking members, of a lever operatively

connected to said brake rod and having a slot operatively connected to the end of said pull rod and a guide



member having a guide face operatively engaging said rod to direct the movement of said rod in releasing the brakes.

1,585,764. VEHICLE TOP SIDE INCLOSURE. CLARENCE E. CHILDS, San Diego, Calif. Filed Jan. 31, 1923. Serial No. 616,051. 7 Claims. (Cl. 296—45.)



4. An apparatus of the class described, including a fixed axis means, supported at its lower portion in the vehicle body, substantially in alignment with the axis of rotation of the doors of the vehicle, panels pivotally and frictionally mounted on said axis means at one edge another panel pivotally and frictionally secured to the opposite edge of one of said first mentioned panels, a means for detachedly securing one of said panels to a door of said vehicle whereby one of the panels may be opened and closed with the vehicle doors, and a rigid underdraft wing pivotally mounted near the upper side of the vehicle doors, adapted to be folded outwardly and rest on the upper edge of said doors.

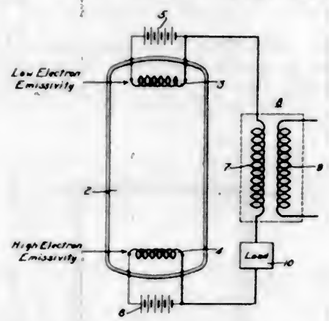
1,585,765. PICTURE. JOHN CHITRA, Chicago, Ill. Filed Oct. 12, 1925. Serial No. 62,037. 9 Claims. (Cl. 41—21.)

5. The article of manufacture herein described, comprising a picture painted with translucent paint upon a base which has first been coated with varnish in such a manner as to present a pebbly surface, and the exposed surface covered by a layer of fine glass particles secured by a coating of varnish applied over the paint.

1,585,766. THERMIONIC CONVERTER. LEWIS W. CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 15, 1917. Serial No. 168,678. 14 Claims. (Cl. 250—27.)

1. In vacuum-type electric apparatus, the combination with an electrode having a relatively low electron emissivity when heated to incandescence, of a filamentary electrode having a relatively high electron emissivity when heated to incandescence, means for maintaining both of said electrodes at incandescence, and means for applying an alternating electromotive force between said electrodes.

6. The method of operating a vacuum-type converter from a source of alternating current, said converter em-



bodying two electrodes, which comprises permitting free passage to arc current therethrough during half cycles of said source of alternating current of one polarity and permitting passage of only sufficient arc current during half cycles of said source of alternating current of the other polarity to maintain said device in an operative condition.

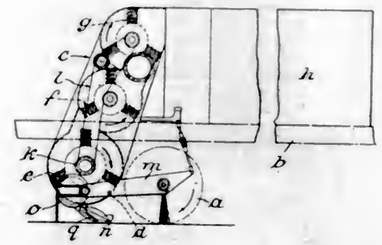
1,585,767. MASSAGE IMPLEMENT. ELEANOR L. CLARKE, Brooklyn, N. Y. Filed June 28, 1924. Serial No. 722,918. 4 Claims. (Cl. 128—57.)

1. In a massage implement, the combination of a pair of elliptically shaped wire members spaced apart and extending parallel with each other, said members being twisted together at one end and adapted to fit within a handle, and rollers provided with apertures adapted to receive said wire members therein and to rotate freely thereon.

1,585,768. ROAD-SWEEPING AND REFUSE-COLLECTING MACHINE. REGINALD FITZROY CLAYTON and JOHN WILLIAM JEMMISON, Huddersfield, England. Filed Feb. 1, 1924. Serial No. 689,974. 2 Claims. (Cl. 15—83.)

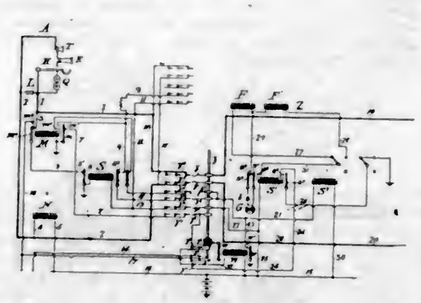
1. In a road sweeping machine, a diagonally extending rotary road brush, a casing arranged in front of the rear

end portion of the brush and having an opening in its rear side for receiving a portion of the road sweepings from the road brush directly, revoluble brushes for elevating all the sweepings in the casing and discharging them therefrom, a trough arranged in front of the main portion of the brush and having an inlet opening in its



rear side for receiving other portions of the sweepings from said brush, said trough having a discharge opening at one end which communicates with the lower part of the said casing, and a rotary conveyer mounted in the trough and operating to transfer the sweepings from the trough into the casing.

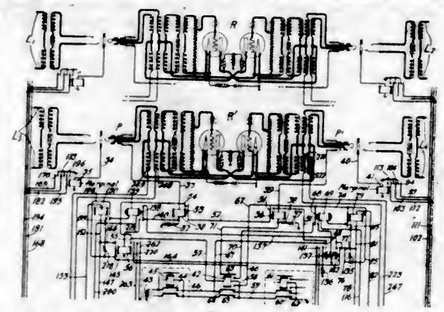
1,585,769. TELEPHONE-EXCHANGE SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor, by mesne assignments, to The North Electric Manufacturing Company. Filed Apr. 15, 1905. Serial No. 255,830. 18 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of telephone lines, a plurality of trunks, Y-switches, one associated with each of said trunks and each adapted to connect its associated trunk to a calling one of said telephone lines, line controlled relays associated with said telephone lines, and a motor circuit extending from one of said Y-switches and branching in multiple to contacts of said line relays whereby, when any line is calling, said motor circuit will be closed by the line relay contact of the calling line, causing the motor mechanism of said Y-switch to operate.

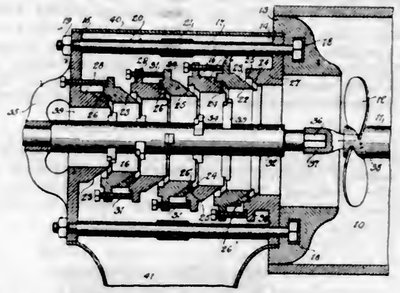
1,585,770. METHOD AND MEANS FOR SELECTING BALANCING NETWORKS. ROY D. CONWAY, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,864. 34 Claims. (Cl. 179—170.)

1. A repeating system comprising transmission lines, repeaters therefor, networks for use in balancing said lines, and means responsive to connection of said repeaters to said lines for connecting one of said networks



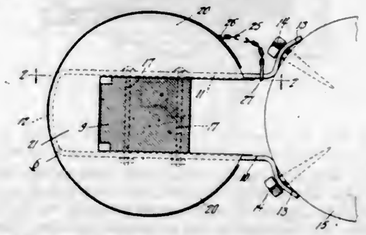
to a plurality of said repeaters, one at a time, and for connecting said network in balancing relations to a plurality of said lines, one at a time.

1,585,771. CLAY-CLEANING METHOD AND MACHINE. CHARLES L. CRABB, Clayburn, N. J., assignor of one-half to Augustus J. Brunson, North Plainfield Borough, N. J. Filed May 19, 1925. Serial No. 31,414. 25 Claims. (Cl. 83—6.)



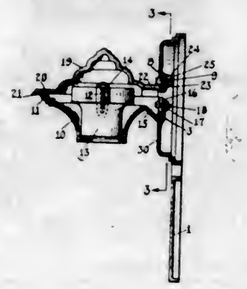
1. A method of obtaining clean clay from a mass of clay containing foreign particles which consists in shaving from the mass cuttings that are thinner than the largest foreign particle permissible in the clean clay, and simultaneously clearing the cutting edge of the shaving means to prevent clogging thereof.

1,585,772. CABLE TERMINAL AND SUPPORT THEREFOR. JASON G. CRANE and JOHN W. WOPAT, Kansas City, Mo., assignors to Reliable Electric Company, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 523,240. 8 Claims. (Cl. 247—7.)



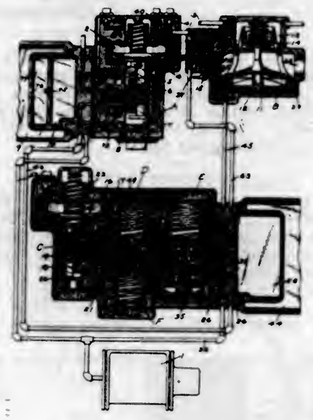
6. A device of the character described, comprising a bracket member having a pair of parallel legs, a terminal supporting block mounted between the legs of said bracket, a cover member and a closure member mounted on said bracket and extending outwardly therefrom.

1,585,773. LIGHTING FIXTURE. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 8, 1925. Serial No. 1,155. 4 Claims. (Cl. 240—73.)



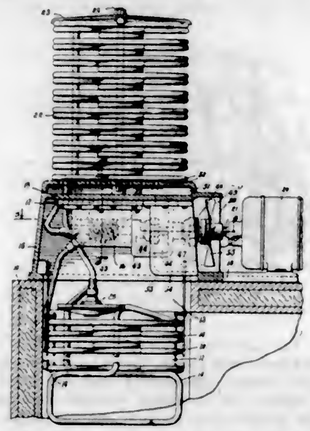
4. The combination with a plate having a raised boss thereon, there being an aperture in said boss, of an outwardly extending socket-supporting member, there being a recess in said plate adjacent the lower side of said aperture, a bolt in said recess, a lug on said member fitted to said recess, there being a slot in said lug which is engaged by said bolt, a cover for said member, a downwardly depended peripheral flange on said cover, a screw mounted in the said plate above said aperture, a lug on said cover which extends through said aperture, there being a slot in said lug which engages said screw, shoulders on said lug adjacent said slot to prevent the head of the screw sliding off said lug.

1,585,774. FREIGHT BRAKE EQUIPMENT. CLYDE C. FARMER, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 27, 1925. Serial No. 33,152. 10 Claims. (Cl. 303—46.)



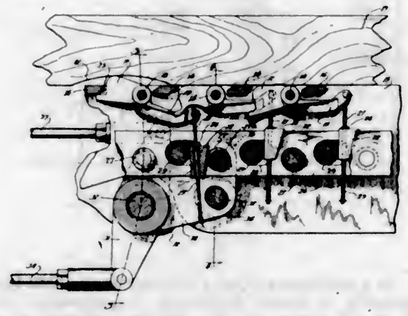
1. In a fluid pressure brake, the combination with a brake pipe and a brake cylinder, of valve means for controlling the supply of fluid under pressure to the brake cylinder, an emergency valve device operated upon a sudden reduction in brake pipe pressure for operating said valve means, and a cut-off valve device operated upon a predetermined increase in brake cylinder pressure for closing communication through which said valve means supplies fluid to the brake cylinder.

1,585,775. REFRIGERATING APPARATUS. KENNETH K. HALL, Grand Ledge, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 24, 1916, Serial No. 133,273. Renewed May 27, 1924. 25 Claims. (Cl. 62—116.)



1. In a refrigerating apparatus, the combination with a refrigerator having a top opening, of a casing open at the bottom and supported over said opening and a compressor in said casing exposed to the interior of the refrigerator through said opening.

1,585,776. POSITIONING MECHANISM. BERT A. LINDERMAN, New York, N. Y., assignor to Muskegon Machine Company, Muskegon, Mich., a Corporation of Michigan. Filed Jan. 19, 1925. Serial No. 3,215. 13 Claims. (Cl. 143—168.)

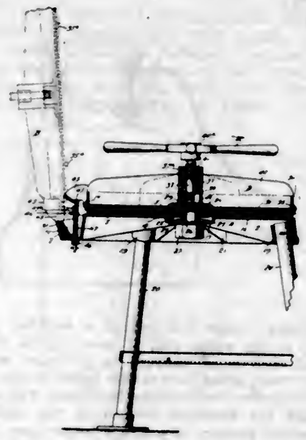


1. Positioning mechanism, comprising a frame, a member pivotally supported and yieldably movable under pressure of the article to be positioned, yielding abutments carried by said member and engageable by said article, a part movable at an angle to the movement of said member upon pressure being applied to the latter, and means adapted to cooperate with said part when the pressure is relieved to determine the extent of return movement of said member in accordance with the position of said yielding abutments.

1,585,777. MACHINE FOR APPLYING CLAMPING RINGS TO OBJECTS. CHARLES H. LOEW, Avon Lake, Ohio, assignor to The Loew Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 13, 1924. Serial No. 698,867. 10 Claims. (Cl. 29—84.)

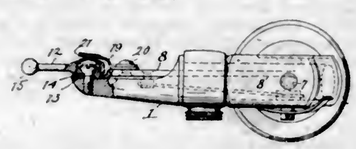
1. In a machine for applying clamping rings to the peripheral portions of articles, the combination of a base

member on which such article is supported, a member movable toward and from the first-mentioned member and having an annular thrust surface opposed to the first-



mentioned member, a ring bearing against said thrust surface, and means yieldingly holding said ring in engagement with such surface.

1,585,778. TEST INDICATOR. HENRY A. LOWE, Cleveland, Ohio. Filed July 5, 1924. Serial No. 724,246. 3 Claims. (Cl. 33—172.)



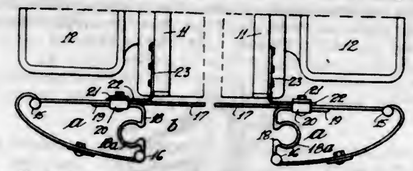
2. In a test indicator having a body, an operating lever arm and a pivot connecting the operating arm and the body, a work engaging arm adapted to be detachably connected to the operating arm and to be angularly adjusted with respect thereto about the axis of the pivot, said arms having interfitting portions, there being a tapered recess in one arm and a tapered projection on the other arm fitting in said recess, said projection and recess having conical interengaging walls coaxial with the pivot and inclined at a slight angle with respect to their axis, and releasable means independent of the pivot for holding said interfitting parts in locking engagement.

1,585,779. PRODUCTION OF REFRACTORY OXIDE WARE. JOHN WESLEY MARDEN, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 8, 1922. Serial No. 542,134. 30 Claims. (Cl. 18—47.5.)

1. An article of manufacture composed of thoria and resulting from shaping and firing a mixture of thoria, cryolite, phosphoric acid and water.

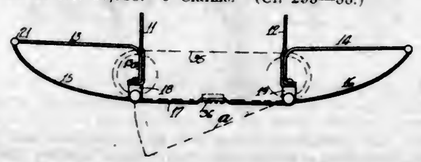
1,585,780. AUTOMOBILE BUMPER. JOSEPH J. MASCUCH, East Orange, N. J. Filed Sept. 23, 1925. Serial No. 58,159. 3 Claims. (Cl. 293—55.)

3. In an automobile bumper of the class described, the combination of a rear supporting member secured to the vehicle, an impact member pivotally secured at one end to said supporting member and a member projecting per-



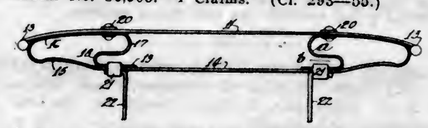
pendicularly to and supporting the opposite end of said impact member and embodying a compression spring.

1,585,781. AUTOMOBILE BUMPER. JOSEPH J. MASCUCH, East Orange, N. J. Filed Oct. 6, 1925. Serial No. 60,918. 9 Claims. (Cl. 293—55.)



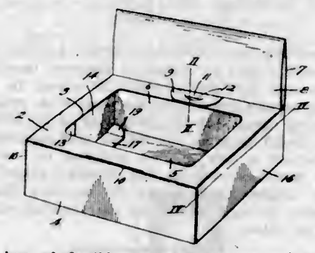
1. A vehicle bumper comprising a plurality of impact sections, bracket means securing a pair of said sections to the vehicle and a third impact section pivotally connected with eccentric pivots to said pair.

1,585,782. AUTOMOBILE BUMPER. JOSEPH J. MASCUCH, East Orange, N. J. Filed Feb. 8, 1926. Serial No. 86,905. 4 Claims. (Cl. 293—55.)



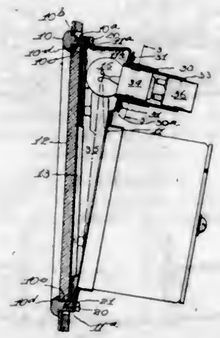
1. In a bumper as described, the combination of an impact member and a rear supporting bar with an S spring connecting said rear bar with said impact member, said S spring being formed of a pair of unequal loops.

1,585,783. SELF-LOCKING DUPLEX BOX. SINGLETON W. MASON, Kansas City, Mo., assignor of two-thirds to Thomas L. Cockrell, Kansas City, Mo. Filed July 13, 1925. Serial No. 43,162. 6 Claims. (Cl. 206—44.)



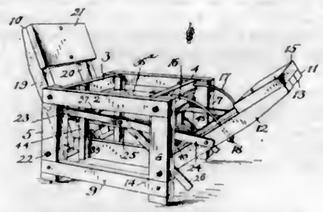
1. A box of flexible material having top and bottom members and front and rear sides, each side having end portions projecting toward the other side and forming inside end walls of the box, and one of the said members having ends fitting against the outer sides of the respective end portions and flaps extending into the box between the said end portions and the inner face of the other member; the ends of said flaps having lugs extending angularly and bearing against the inner faces of the said end portions to lock the said ends of the top flatly against the said end portions of the sides.

1,585,784. ILLUMINATED INSTRUMENT MOUNT. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 30, 1925. Serial No. 19,216. 8 Claims. (Cl. 240—8.16.)



1. An instrument mount for motor vehicles and the like comprising a marginal front frame member and a back frame member adapted to be applied and secured to the rear side of said front frame member, the back member having apertures for accommodating the instruments with their reading faces exposed forwardly through said apertures, said frame being marginally extended forwardly from the plane of exposure of the instrument faces to a plane oblique to and making an acute angle with said plane of exposure, and means for mounting and positioning the face plate at said oblique plane between the two frame members.

1,585,785. MOLDING APPARATUS FOR CONCRETE ARTICLES. WALTER C. PARMLEY, Upper Montclair, N. J. Filed Mar. 1, 1924. Serial No. 696,133. 8 Claims. (Cl. 25—41.)

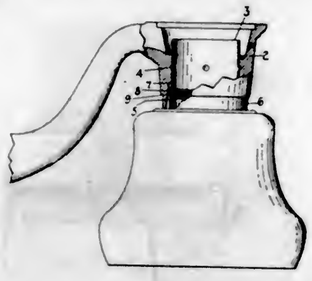


1. A molding apparatus for concrete articles comprising a frame, a pair of oppositely disposed moving members connected for simultaneous movement in opposite directions, means connecting said members whereby the movement of one causes the movement of the other, complemental mold sections carried by said members, each section having a side member attached to one of said swinging members and an end member hinged to the said side member, and means for securing the hinged end member to each section to the attached side member of the other.

1,585,786. ALUMINUM ALLOY AND METHOD OF MANUFACTURE. HENRY KNEELAND RICHARDSON, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,717. 14 Claims. (Cl. 75—1.)

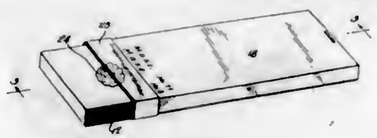
1. The manufacture of ductile aluminum-zirconium alloys comprising the electrolysis of an unpurified bauxite mixture with zirconium oxide, the proportion of zirconium oxide being insufficient to produce in the finished alloy more than 10% of zirconium.

1,585,787. LIGHTING FIXTURE. JOHN K. RIDDLE, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 23, 1924. Serial No. 745,297. 1 Claim. (Cl. 240—73.)



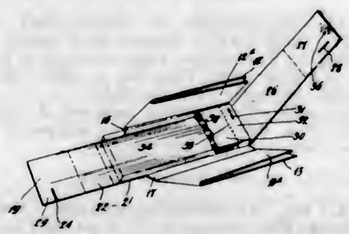
A lighting fixture arm having a vertical open ended cylinder at its outer end, a socket shell within said end, said shell being swedged to the inner wall of said cylinder, there being an annular space at the lower end of said cylinder intermediate the inner wall of the cylinder and the threaded portion of the shell whereby the threaded portion of a shade holder may be secured to the threads on the shell.

1,585,788. TICKET BOOK. LAWRENCE RITTELMAN, Jersey City, N. J., FREDERICK A. WATTE, New York, and CHARLES H. EBBETS, Jr., Brooklyn, N. Y., assignors to Sales Printing Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1924. Serial No. 757,128. 23 Claims. (Cl. 283—53.)



1. A device of the class described comprising a plurality of tickets secured together by a bound portion from which the separate tickets are removable, a wrapper enclosing the bound portion and tickets, means for securing the tickets within and to said wrapper whereby the tickets only are removable therefrom, and means involving a rupturable seal for forming a closure for the entire device.

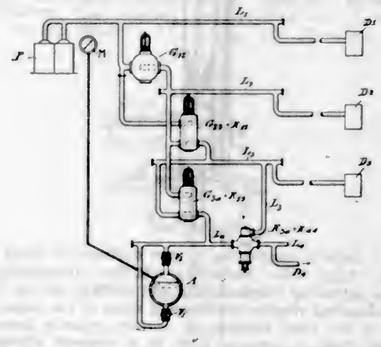
1,585,789. SEALED CONTAINER FOR TICKETS, COUPONS, AND THE LIKE. LAWRENCE RITTELMAN, Jersey City, N. J. Filed Feb. 7, 1925. Serial No. 7,632. 15 Claims. (Cl. 206—57.)



1. A container of the class described comprising a plurality of foldably connected and interlocking parts,

means for securing a plurality of tickets within and to the container and means for sealing said first named means and the container as a whole.

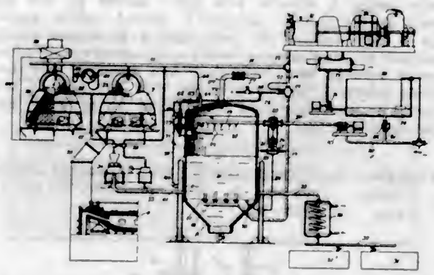
1,585,790. STEAM-ACCUMULATOR PLANT AND METHOD OF OPERATING THE SAME. JOHANNES KARL RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed June 20, 1919, Serial No. 305,622, and in Sweden June 29, 1918. 35 Claims. (Cl. 60—1.)



1. A boiler, an accumulator, a passage for steam from said boiler to said accumulator, and an automatic valve operating to simultaneously maintain a constant pressure in said boiler and control flow of steam through said passage.

33. The method of producing and dispensing steam which comprises producing steam at a different rate than the rate of consumption, accumulating steam when the consumption is less than the steam generation, regulating the amount of steam accumulated so that the pressure of the generated steam is maintained constant, and withdrawing steam to use from the accumulator when the consumption exceeds the momentary steam generation.

1,585,791. STEAM PLANT. JOHANNES RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation of Sweden. Filed Apr. 29, 1925. Serial No. 26,727. 18 Claims. (Cl. 60—94.)



1. In a steam plant including a steam generator, in combination, an accumulator, means to supply surplus steam generated over momentary steam demand to said accumulator, means to supply cold water to said accumulator in proportion to the steam supplied to obtain hot water of given temperature, means to withdraw hot water from said accumulator at a rate corresponding to the rate of demand for hot water, the difference between the hot water demand and the hot water produced being retained in the accumulator.

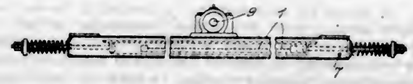
1,585,792. COMPOUND HAVING BACTERICIDAL AND FUNGICIDAL PROPERTIES AND PROCESS FOR MAKING THE SAME. ERNST SCHLUMBERGER, Berlin-Lichterfelde, Germany. Filed Oct. 26, 1923. Serial No. 670,959. 2 Claims. (Cl. 167—3.)

1. As a new article of manufacture and trade, a disinfectant obtained by treating sulfite waste lye with chlorine and separating the precipitate thus obtained.

1,585,793. AUTOMOBILE BUMPER. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 24, 1925. Serial No. 51,931. 6 Claims. (Cl. 293—55.)

1. A bumper for motor vehicles comprising two flat metal bars mounted vertically edgewise in the same plane and slightly spaced apart in that plane rigidly secured together, the opposite end portions of each bar being flexed forwardly and inwardly forming end loops, the inwardly extending portion of each bar being also flexed edgewise, the lower bar downward and the upper bar upward past the horizontal zone of the body of the bar for terminating free and out of range of collision with the body upon impact forwardly or rearwardly.

1,585,794. VIBRATING SIEVE. GEORG RUDOLF BEHRENS SÖRENSEN, Ofoten, Norway. Filed Aug. 16, 1923. Serial No. 657,774. 5 Claims. (Cl. 209—326.)



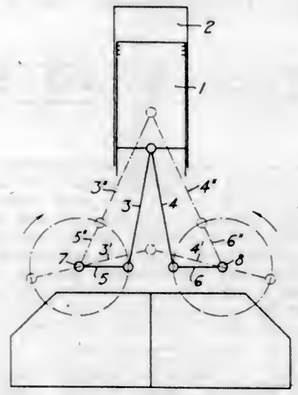
1. In a vibrating sieve, a stationary frame, bearings on said frame, a carrier frame, a sieve element within the carrier frame, bearings mounted on the carrier frame midway between its ends so as to support the frame nearly in its position of equilibrium, a transverse driving shaft having an eccentric portion mounted in the bearings of the carrier frame and its ends mounted in the bearings of the stationary frame, guiding bolts mounted between the carrier frame and the stationary frame so as to be capable of a tilting movement in planes perpendicularly to the plane of the sieve element, and tensioning elements acting upon said bolts so as to maintain the carrier frame yieldingly in connection with the stationary frame during the vibration caused by the eccentric shaft portion.

1,585,795. ELECTROTHERAPEUTIC APPARATUS. MAX SPETER, Stadt Wehlen, Germany. Filed Nov. 22, 1922. Serial No. 602,664. 5 Claims. (Cl. 174—89.)

1. Electro-therapeutic apparatus adapted to be connected to a low frequency alterating current supply, com-

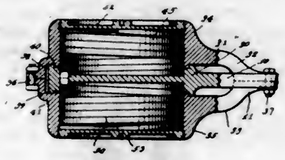
prising electrodes adapted for application to the body of the person to be treated, one of these electrodes consisting of mineral substance classed as a semi-conductor, and electric connections between the electrodes and the current supply forming with the body an electric circuit.

1,585,796. DEVICE FOR TRANSFORMING A RECIPROCATING MOTION INTO A ROTARY MOTION. AXEL FILIP WALDEMAR STÄHLBERGER, Stockholm, Sweden. Filed Apr. 8, 1924. Serial No. 705,081. 4 Claims. (Cl. 74—14.)



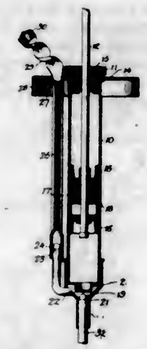
1. A device for transforming reciprocatory motion into rotary motion and vice versa, comprising a pair of rotary members, a single reciprocating member, either the reciprocating member or the rotary members having power directly applied thereto, cranks on the rotary members and two connecting rods directly connecting the reciprocating member to said cranks, to directly transmit power therebetween, the lengths of said connecting rods being so chosen in relation to the crank radii and the distance between the crank shafts that the connecting rods in one end position of the reciprocating member form with each other an angle greater than ninety degrees.

1,585,797. SHOCK ABSORBER. WILLIAM CARLETON STARKEY, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed July 15, 1925. Serial No. 43,712. 6 Claims. (Cl. 188—130.)



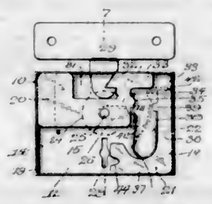
1. A shock absorber, comprising two relatively rotatable members, one of said members having an axial circular recess, a coil spring located in said recess and operatively engaged with the other of said members, and means for positively connecting said two members respectively with two parts of a vehicle which separate on rebound so that on rebound said two members will rotate relatively in a direction tending to unwind said spring to cause it to expand and bear against the wall of its associated recess.

1,585,798. ATOMIZER. JACOB STIRISS, New York, N. Y., assignor to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed June 20, 1924. Serial No. 721,284. 3 Claims. (Cl. 299—114.)



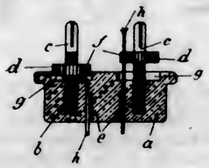
1. A sprayer comprising a tube flattened to bring opposite walls into contacting relation throughout a region extending longitudinally and medially of the tube, the contacting relation terminating short of the respective ends of the tube, whereby to provide separate passages leading from a common inlet to a common discharge chamber, said tube being twisted spirally immediately in advance of said discharge chamber.

1,585,799. LOCK. NATHAN M. STONE, Chicago, Ill. Filed Jan. 18, 1926. Serial No. 81,881. 3 Claims. (Cl. 70—27.)



1. A lock, comprising a case, having top, bottom and side walls, a slidable lock plate guided by the top wall of the case, a slidable L shaped tumber guided by a side wall of the case, and a U shaped spring carried by, and moving with, said tumbler and interposed between said lock plate and tumbler, said lock plate having a lug, co-operating with one arm of said spring to yieldingly hold the tumbler in its locked and unlocked positions.

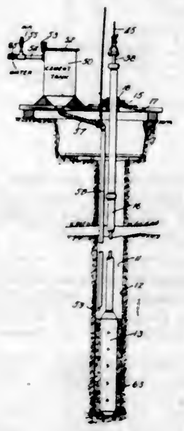
1,585,800. ELECTRIC JOINT. EDDO THEDINGA, Berlin, Germany. Filed Mar. 24, 1924. Serial No. 701,423. 1 Claim. (Cl. 173—259.)



An electric plug, comprising an insulating body formed with two holes located beside each other, one of said holes extending entirely through the insulating body and being adapted to have a flexible conductor passed therethrough,

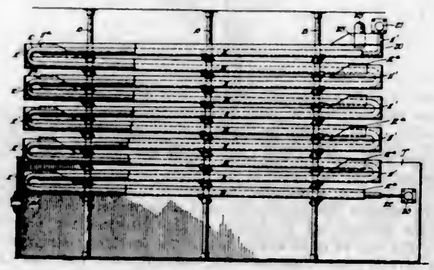
a screw-threaded pin fixed within the other one of said holes, a clamping nut screwed on said pin and formed with an eccentric shoulder in position for acting on the side of a flexible conductor passed through said hole extending entirely through the insulating body, the portion of said pin projecting through said nut being formed for being fitted in a metallic socket and making electric contact therewith.

1,585,801. METHOD OF AND EQUIPMENT FOR PLACING CONCRETE CASINGS IN WELLS. MILON J. TRUMBLE, Los Angeles, Calif. Filed Oct. 1, 1923. Serial No. 665,887. 11 Claims. (Cl. 25—124.)



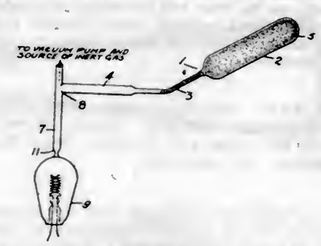
1. In equipment for lining wells with a cementitious casing, the combination of: a non-expansible core; projectile members carried by said core; and means for retracting said projectile members.

1,585,802. HEAT EXCHANGER. LOUIS N. UDELL, Boston, Mass. Filed Mar. 26, 1924. Serial No. 701,884. 3 Claims. (Cl. 257—183.)



1. In a heat exchanger, the combination of a zigzag coil having its limbs connected by integral bends and disposed in a vertical plane, and two oppositely facing series of endwise removable troughs underlying alternate limbs of the coil respectively and together wholly enclosing the bottoms, sides and ends of said limbs, each trough being closed at its receiving end beyond the bend connecting the limb which it underlies with the next higher limb and open at its discharge end, and the discharge end of each upper trough overlying the receiving end of the next underlying trough.

1,585,803. MANUFACTURE OF ELECTRIC LAMPS AND THE LIKE. CLETUS CLINTON VAN VOORHIS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 21, 1922. Serial No. 569,861. 8 Claims. (Cl. 176—2.)



3. The method of introducing a small amount of a volatile substance into a vessel, comprising connecting said vessel and a tube of said substance to means for exhausting said vessel, exhausting said vessel and heating said tube until the desired amount of said substance is vaporized and sweeping a requisite amount of said vaporized substance into said vessel by a stream of inert gas,

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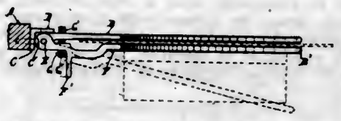
1,585,804. HAT HOLDER. CLARENCE M. VINCENT, Erie, Pa. Filed May 29, 1924. Serial No. 716,752. 2 Claims. (Cl. 45—13.)



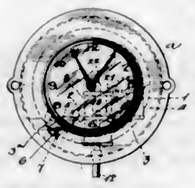
1. A hat rack comprising an arm having substantially semi-circular prongs; means to rigidly secure the same to a suitable support, a spring-pressed arm hinged to said rigid arm, and prongs on said spring-pressed arm adapted to coincide with the prongs on said rigid arm, whereby a hat brim may be clamped between said prongs.

1,585,805. FOUNTAIN PEN. JOHN C. WAHL and IVAN D. TEFFT, Chicago, Ill., assignors to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed July 15, 1922. Serial No. 575,432. 8 Claims. (Cl. 120—46.)

1. In a fountain pen, in combination, a casing, provided with a longitudinal slot therein and with pivot

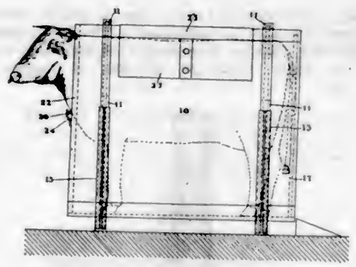
seats adjacent the slot, a lever in the slot, provided with pivot seats therein, a resilient member associated with the lever, fashioned with pivot and locking members, active through the tension of the resilient member to effect seating of the pivot members in the pivot seats respectively, on the lever and the casing, to pivotally relate said members and to effect locked relation between the locking members and the casing when the lever is in closed position.

1,585,806. RUNNING-TIME ATTACHMENT FOR AUTOMOBILE CLOCKS. ROBERT WATSON, Silver Spring, Md. Filed July 15, 1924. Serial No. 726,195. 4 Claims. (Cl. 161—15.)



1. In an automobile clock, a brake normally stopping the clock, means for automatically holding the brake in released position while the automobile to which the clock is applied is in operation, and manually operable means for holding the brake in released position, when desired.

1,585,807. MACHINE OR APPARATUS FOR USE IN SUPPORTING ANIMALS WHILE BEING SLAUGHTERED. HARRIS WEINBERG, Leeds, England. Filed May 29, 1924. Serial No. 716,798. 3 Claims. (Cl. 17—1.)



3. A machine or apparatus for use in supporting animals whilst being slaughtered, comprising in combination fixed circular rails constituting the frame-like structure, a rectangular receptacle constituting the carrier, runners mounted in brackets on the carrier for engaging the fixed circular rails, runners mounted on arms secured to the sides of the carrier and engaging the circular rails, a hinged door at the rear end of said carrier for closing up behind the animal, means for adjusting the position of the hinged door to suit the varying lengths or size of animals, means for securing the hinged door in the adjusted position, and an opening in the front end of the carrier to allow the animal's head and neck to pass therethrough.

1,585,808. RAIL SPIKE. WILLIAM C. WELLBORN, Columbus, Ga. Filed Apr. 28, 1925. Serial No. 26,409. 3 Claims. (Cl. 85—10.)

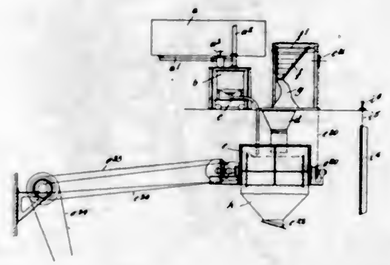
1. A railroad spike having the upper and greater portion of its front side inclined downwardly and forwardly and the lower and lesser portion of said side arranged in parallel relation to its rear side.

1,585,809. WINDSHIELD CLEANER. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1922. Serial No. 538,172. 5 Claims. (Cl. 15—255.)

1. In a device of the character described, an arm provided adjacent one end with means for effecting a pivotal mounting of the same in the frame bordering the surface to be cleaned, a cleaning member, a U-shaped clip having the opposed legs pivoted to said member intermediate the ends thereof, an extension of the intermediate portion of the clip at right angles to the leg portions thereof, and a pivotal connection between the extension and free end of the arm, whereby to provide an offset connection between the arm and member tending to change the position of the member relative to the arm upon movement of the arm in either direction.

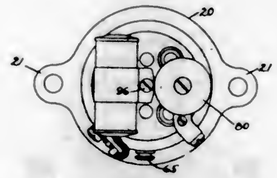
1,585,810. APPARATUS FOR THE MANUFACTURE OF SUPERPHOSPHATE. FREDERICK WILLIAM ROGERS WILLIAMS, London, England. Filed Jan. 10, 1921. Serial No. 436,339. 9 Claims. (Cl. 71—1.)

1. Apparatus for the preparation of superphosphate, comprising an acid tank, an acid weighing machine, a phosphate weighing machine, a mechanical phosphate feeder to the weighing machine having means for returning to the supply superfluous phosphate fed to the weigher, a mechanical mixer, a mixture receiver having a traversing portion provided with an inlet, means for discharging the mixture from the receiver, means for traversing the traversing portion of the receiver, and



valve-controlled pipes for supplying acid to the weighing machine and weighed quantities therefrom to the mixer, the valves for controlling the delivery of the acid from the acid tank to the weighing machine and to the mixer being arranged to be operated by hand, the traversable portion of the receiver being disconnectible from the mixer.

1,585,811. IGNITION COIL. CHARLES E. WILSON and HARRY E. NORVIEL, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 4, 1920. Serial No. 428,389. 5 Claims. (Cl. 175—361.)



1. In an ignition coil, the combination with a core comprising sheet laminations having a base portion and branches, and separately formed windings; of a casing including a shell and end covers; means for securing the laminations together; means extending through said casing and rigidly attached to said core, for securing said base portion of the core upon one of said end covers, and for securing both end covers upon the shell; and means for rigidly clamping the windings upon the core.

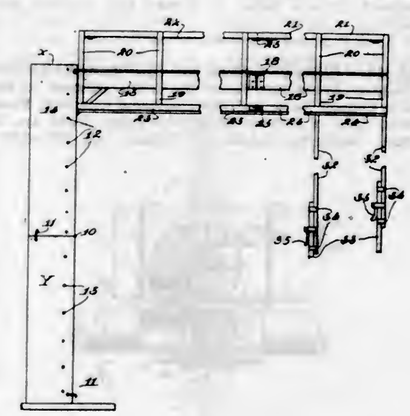
1,585,812. COMPOSITION OF MATTER AND METHOD OF APPLYING THE SAME. GARDINER C. WILSON, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a Corporation of Pennsylvania. Filed July 30, 1924. Serial No. 729,088. 7 Claims. (Cl. 171—326.)

4. A method of attaching a pigtail to a metallic brush which comprises forming a hole in the brush, coating a pigtail with a mercury solution containing glycerine, inserting the pigtail into the hole in the brush, and swaging the brush to attain intimate contact between the metal of the brush and the coated portion of the said pigtail.

1,585,813. MUTE. CESARE ALIMONDO, Philadelphia, Pa. Filed Apr. 27, 1925. Serial No. 26,165. 2 Claims. (Cl. 84—400.)

1. A mute of the class described comprising a frustoconical shell of veneering, a closure for the larger end of the shell comprising a disc formed of layers of veneering, certain of said layers fitting in the larger end of the shell, the outermost layer being of a diameter greater than the aforementioned layers, and adapted to engage the outer edge of the larger end of the shell.

1,585,814. TOURIST'S AUTO CAMPING OUTFIT. FRANK E. ALLEN, St. Clair, Mich., assignor of one-half to William D. Thompson, Port Huron, Mich. Filed Apr. 25, 1925. Serial No. 25,888. 4 Claims. (Cl. 135—4.)

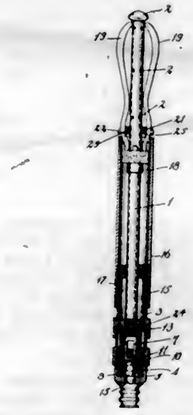


1. An automobile camping outfit including a box adapted to be carried on an automobile running board and formed of two hingedly connected sections adapted to be turned into superposed vertical relation, a tent supporting structure having foldable members hinged to the end walls of the upper section of the box and foldable thereinto, said foldable members supporting transversely extending foldable members hinged to the first named members, and a tent detachably connected to the box and formed to fit over said tent supporting structure.

1,585,815. SPRAYING DEVICE. ALEXIS F. ANDREWS, Yonkers, and VICTOR PRAGER, New York, N. Y. Filed May 5, 1925. Serial No. 28,079. 4 Claims. (Cl. 128—244.)

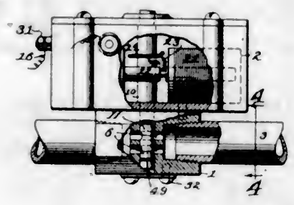
1. In a device of the class described, the combination of a spray tube, pivoted arms attached thereto, a collar lying between said arms and the tube and engaging said arms, a sleeve surrounding said tube and attached to said collar, a valve-carrying block fixed to said tube,

an adjusting ring receiving said block and threaded to said sleeve, and a shoulder on said block co-operating



with said ring, whereby rotation of said ring will effect movement of said collar to expand and contract said arms.

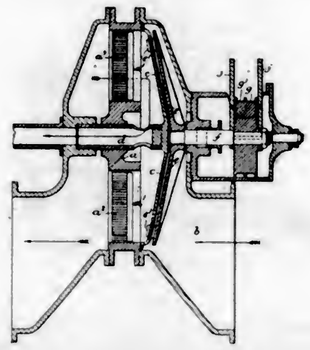
1,585,816. REMOTE-CONTROL VALVE APPARATUS. CHARLES ATHERTON, Pasadena, Calif., assignor to Remote Control Valve and Manufacturing Company, Pasadena, Calif., a Corporation of California. Filed Apr. 9, 1923. Serial No. 631,050. 7 Claims. (Cl. 137—139.)



7. In a remote-control valve apparatus, the combination of a casing, a valve member within the casing for controlling the flow through the valve, a signal, an "on" solenoid coil, an "off" solenoid coil, a core moved by the coils for actuating the valve member to turn the valve on or off, and having a grounded contact member, an insulated contact member to be engaged by the grounded contact member and connected with the "off" coil, said contact members co-operating when the "on" coil has been energized, to close a grounded circuit through the "off" coil and through the signal, the resistance of the signal operating to prevent movement of the core by the "off" coil, and a push-button for short circuiting the signal to reduce the resistance and effect the actuation of the core by the "off" coil.

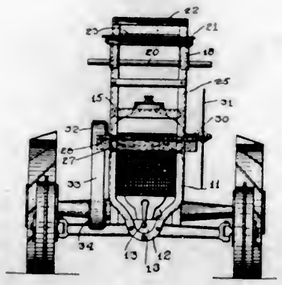
1,585,817. APPARATUS FOR STRAINING FLUIDS. FRANK BAILEY and FREDERICK HENRY JACKSON, Southwark, London, England. Filed July 1, 1925. Serial No. 40,915. 4 Claims. (Cl. 210—152.)

1. A self-cleansing strainer comprising a chamber enclosing a circular straining medium which is stationary and is divided into numerous sectors fitted with straining grids over the faces of which a sector-shaped cleanser-box rotates and, as it arrives over each grid-furnished



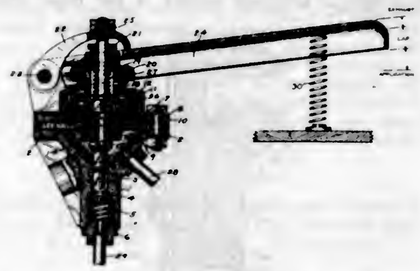
sector, forms a closed chamber through which a stream of water or other fluid is caused to pass from the back of the grid for the purpose of flushing off and removing the débris previously deposited on its face.

1,585,818. SAWING AND GRINDING ATTACHMENT FOR TRACTORS. WILLIAM M. BARBER, Whitwell, Tenn. Filed Feb. 23, 1924, Serial No. 694,755. Renewed Apr. 3, 1926. 2 Claims. (Cl. 143—43.)



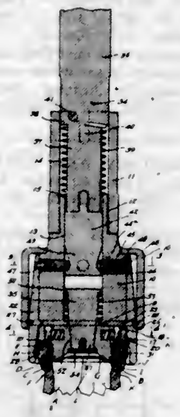
1. An attachment of the character described comprising an approximately U-shaped supporting frame of angle iron, the closed end of the U-shaped frame being disposed downward and adapted to engage with the front axle of the tractor, means carried upon said frame for engaging with the radiator of the tractor to hold the frame in a vertical position, horizontal members detachably engaged with the upper ends of the frame and extending forward therefrom when the device is in place, a mandrel mounted upon the frame below its point of attachment to the radiator, and a log-carrying cradle embodying vertical arms pivotally connected to the horizontal members, the arms at their lower ends being forwardly extended, and connecting members attached to said forward extensions and connecting the two arms.

1,585,819. BRAKE-VALVE DEVICE. THOMAS BARTY and FRANK A. BURROWS, London, England, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Aug. 20, 1924. Serial No. 733,085. 9 Claims. (Cl. 303—54.)



1. A brake valve device for controlling the admission of fluid under pressure to and its exhaust from a brake chamber and including an exhaust valve operated at a predetermined pressure in the brake chamber for releasing fluid from the brake chamber.

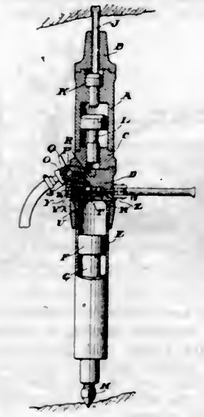
1,585,820. BOTTLE-CAPPING DEVICE. EWALD GEORGE BAUM, Natick, Mass., assignor to Seal-Kap Company, Natick, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1921. Serial No. 510,219. 7 Claims. (Cl. 226—86.)



1. A bottle capping device adapted to be brought axially into contact with a bottle mouth, having oppositely disposed radially contractible means and radially expansible means for impinging the bottle cap on the bottle mouth, and having axially projectable means operatively associated with said contractible and expansible means for flexing the cap.

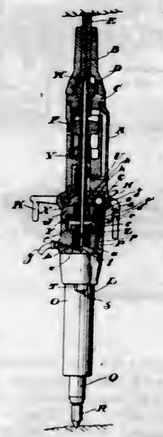
1,585,821. HAND-ROTATED ROCK DRILL. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,821. 3 Claims. (Cl. 121—5.)

1. A relief valve device for the feed cylinder of a rock drill comprising a percussive cylinder, a pressure fluid feed cylinder, a head block between the cylinders, a relief valve located in the head block having a body portion and an extension, a handle pivoted to the head block for rotating the drill in opposite directions, fingers on said handle for actuating the valve when the handle is rotated in opposite directions, a tongue interposed between the extension and the fingers and constantly in contact



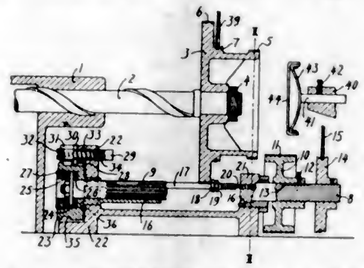
therewith and means for holding the valve normally closed and for holding the handle normally stationary with relation to the drill.

1,585,822. AIR AND WATER TUBE. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 3, 1924. Serial No. 684,151. 3 Claims. (Cl. 121—10.)



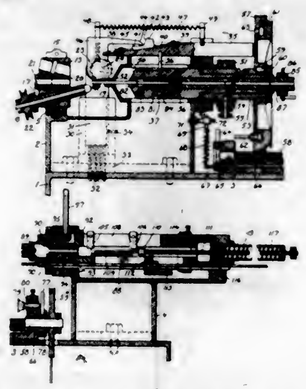
1. In a fluid actuated rock drill, the combination of a percussive cylinder, a back head for the percussive cylinder, a head block forming a closure for the back head, concentric cylindrical recesses in said head block and back head cooperating to form a cylindrical pocket when the said parts are assembled, concentrically arranged collared air and water conducting tubes, a screw threaded gland nut located in the recess in the back head for securing the air tube within the back head, means including a screw threaded gland nut and resilient packing located in the recess in the back head for securing the water tube within the head block, a sleeve within the pocket formed by the said recesses to center the back head and head block, and a throttle valve for controlling the admission of pressure fluid to the percussive cylinder and to the air tube.

1,585,823. FEEDING DEVICE FOR MACHINE TOOLS. JOHAN ERIK BERGSTRÖM, Dresden, Germany, assignor to Gustaf Stahle, Stockholm, Sweden. Filed June 9, 1921. Serial No. 476,305. 7 Claims. (Cl. 90—13.9.)



1. In feeding mechanism for machine tools of the class described, an eccentric cradle, a gearing axle having bearings in said cradle and provided with a pair of gears, a feed spindle having a driving wheel provided with toothed rims, one of said rims being arranged for engagement by the other gear according to the position of the eccentric cradle.

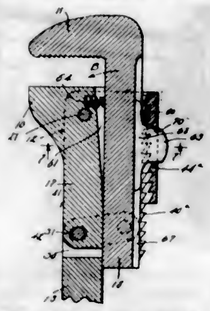
1,585,824. MACHINE FOR PRODUCING OBJECTS WITH MILLED GROOVES. JOHAN ERIK BERGSTRÖM, Dresden, Germany, assignor to Gustaf Stahle, Stockholm, Sweden. Filed Aug. 27, 1921, Serial No. 495,854, and in Germany Feb. 19, 1921. 4 Claims. (Cl. 90—13.9.)



1. Automatic machine for the production of spiral bits and other articles with milled grooves, characterized by the combination of two main cutters arranged diametrically to the blank so as to cut opposite main grooves in the blank, two clearance cutters nearer to the point of the blank in order that a spiral bit or the like may be finished after a single passage through the machine, an inclined plane to regulate the depth of the main cutters and a blank holder to move the same, said inclined plane having a slide block with which an arm of the cutter bearing has contact, said slide block cooperating with abutments of the inclined plane and having such a form that the mentioned arm at the end of the groove in one position is lifted onto the block and remains there during the return movement of the inclined plane.

1,585,825. WRENCH. WILLIAM L. BESSOLO, Clearwater, Calif. Filed Feb. 19, 1923. Serial No. 619,926. 2 Claims. (Cl. 81—126.)

1. A wrench including an inner jaw having a tail piece, an outer jaw, a shank extending from the outer jaw, a series of ratchet teeth on the shank, a frame connecting the shank and inner jaw so that they are movable and so that the shank is adjustable, a series of ratchet teeth on the frame adapted to cooperate with the first mentioned series of ratchet teeth to hold the shank against movement relative to the frame when



the jaws are in cooperative relation, a block slidably engaging the shank, a nob extending from the block and guided by the frame so that it projects from the frame and is adapted to be depressed to move the shank to disengage the series of ratchet teeth, and a handle pivotally connected with the frame and with the tail piece.

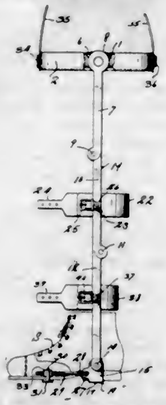
1,585,826. CERAMIC AND REFRACTORY MAKING PROCESS AND MATERIAL. ANSON G. BETTS, Kinderhook, N. Y. Filed Mar. 3, 1923. Serial No. 622,678. 4 Claims. (Cl. 106—9.)

1. Process of bonding and purifying an iron-containing acid-insoluble refractory base, which consists in mixing therewith and thereafter heating therewith hydrated basic aluminum chloride, and volatilizing iron chloride therefrom.

1,585,827. REFRACTORY AND CERAMIC PROCESS AND MATERIAL. ANSON G. BETTS, Kinderhook, N. Y. Filed Mar. 12, 1923. Serial No. 624,386. 9 Claims. (Cl. 106—9.)

1. Refractory-ceramic mix consisting of refractory comminuted acid-insoluble material wetted with a solution containing basic aluminum halide.

1,585,828. ORTHOPEDIC DEVICE. JACOB J. BIERIG, Isabella, Okla. Filed Nov. 24, 1925. Serial No. 71,110. 2 Claims. (Cl. 128—80.)

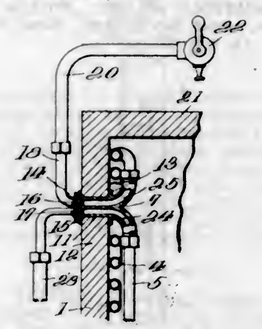


1. A device of the class described comprising, in combination, a waist encircling member, an articulated leg member connected therewith and including a hip section pivoted thereto, an upper leg section pivoted to the hip section, a lower leg section pivoted to the upper leg section, the connections between the upper leg section and the hip section and the lower leg section and the upper leg section constituting rule-joint connections breaking in opposite directions, a shoe, a substantially U-shaped member attached to the shoe and having side arms at opposite sides of the shoe, the lower leg section being pivotally connected with one of the arms of the U-shaped member, an elongated arm pivotally connected with the second arm of the U-shaped member, a second arm pivotally connected with the last named arm, and a limb encircling member secured to said second arm and to the upper leg section.

1,585,829. SASH. ROBERT H. BLISS and GRAYDON C. BLISS, East Syracuse, N. Y. Filed May 23, 1921. Serial No. 471,747. 3 Claims. (Cl. 189—69.)

1. In a metallic window construction, in combination, a stationary portion and a swinging portion, said portions having marginal metallic bars which lie slightly spaced apart and substantially parallel when the window is closed, and means for closing the gap between the said spaced parallel bars including a metallic member and a fiber member, both of said members being rigid with one of said bars and extending toward the other to make contact therewith along spaced parallel lines, and the fiber member substantially filling the space between the marginal bars when the window is closed, for the purpose set forth.

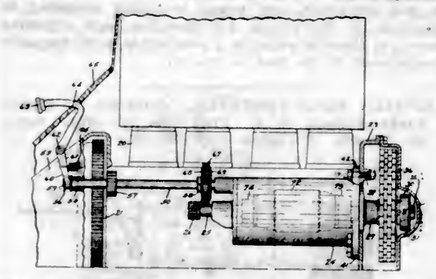
1,585,830. WATER-COOLING ATTACHMENT FOR REFRIGERATORS. WILHELM BODENSTEDT, Wilmington, Del. Filed Feb. 5, 1925. Serial No. 7,047. 2 Claims. (Cl. 62—41.)



1. A water cooling attachment for refrigerators comprising a coil connected to a single casting extending through the wall of the ice compartment, and having a water inlet and outlet passage therethrough.

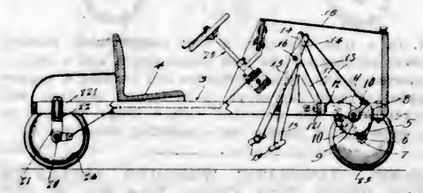
1,585,831. ENGINE-STARTING AND BATTERY-CHARGING APPARATUS. ZERBE C. BRADFORD, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 27, 1924. Serial No. 702,458. 9 Claims. (Cl. 200—46.)

1. In a single unit engine starting system, the combination with an engine having a crank shaft, of a starting device therefor including, an electric dynamo having a pivotally adjustable mounting upon said engine, means at one end of said dynamo for driving said dynamo from said crank shaft, means at the other end of said dynamo



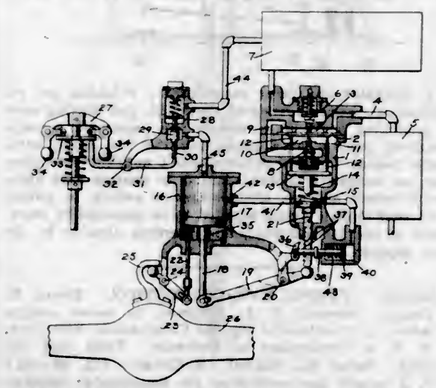
for driving said crank shaft from said dynamo, said first means being adjustable by swinging said dynamo upon its adjustable mounting.

1,585,832. CHILD'S VEHICLE. WILLIS G. DOUD, Los Angeles, Calif. Filed Sept. 29, 1925. Serial No. 59,312. 5 Claims. (Cl. 208—34.)



1. A child's vehicle comprising a frame, axles supporting the frame, wheels supporting the axles, a spur pinion on one of the axles, a shaft rotatably connected with the frame, a pair of oppositely disposed arms on the shaft, a gear on the shaft in mesh with the pinion, standards connected with the frame, levers fulcrumed on the upper ends of the standards with their lower ends projecting below the level of the frame, rods connecting the upper ends of the levers to the arms, and pedals on the lower ends of the levers.

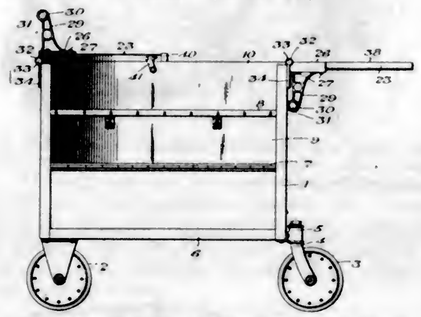
1,585,833. VARIABLE-LOAD DEVICE. SIDNEY G. DOWN, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 23, 1924. Serial No. 727,720. 25 Claims. (Cl. 303—22.)



1. In combination, a fluid pressure regulating valve device on a vehicle for controlling the pressure of fluid

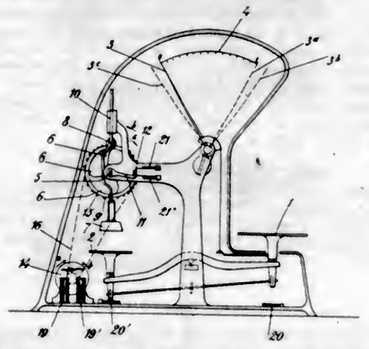
maintained in a receptacle, means for adjusting said valve device to vary the pressure of fluid maintained in said receptacle, and means controlled according to the load on the vehicle for operating said adjusting means, to thereby maintain a pressure in said receptacle proportional to the load on the car.

1,585,834. FOOD CONVEYER. CHARLES M. DRINKWATER, Pelham, N. Y. Filed Jan. 17, 1924. Serial No. 686,885. 8 Claims. (Cl. 45—17.)



1. In a food conveyer, a well compartment member, a cover member for the well compartment and a bracket connected to one of said members and forming a support adapted to hold the cover in horizontal position, said bracket being also provided with a hinge element for the cover and a handle bar supporting element.

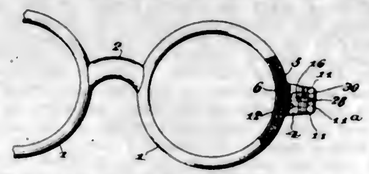
1,585,835. AUTOMATIC WEIGHING APPARATUS. PAUL DURAND, Paris, France. Filed Mar. 26, 1925. Serial No. 18,455. 4 Claims. (Cl. 265—70.)



1. Weighing apparatus comprising a weighing pan an indicating pointer connected therewith and moving over a graduated scale, a secondary pan connected to said weighing pan, a lever connecting the two pans, automatic means for depositing weights on said secondary pan, an automatic motor adapted to operate said automatic means and an electromagnetic switch in circuit with said electric motor adapted to be operated by movement of one of said pans, and operated directly by the pan support.

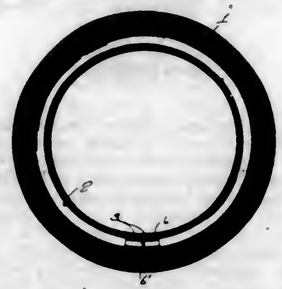
1,585,836. TEMPLE-BAR CONNECTION. EDGAR R. DURGIN, Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,401. 6 Claims. (Cl. 88—53.)

1. A temple bar connection for non-metallic ophthalmic mountings comprising a non-metallic lug secured to the outer edge of a rim, a pin extending across the connection between the said rim and said lug and into both the rim and the lug to reinforce the said connection, a temple bar, a hinge element carried by said lug,



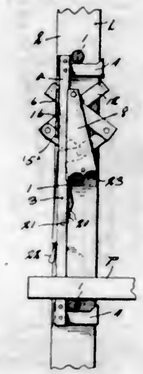
and a hinge element carried by said temple bar, which elements are pivotally connected together.

1,585,837. VEHICLE TIRE. FRISBEY G. EIKER, Washington, D. C. Filed Oct. 31, 1922. Serial No. 598,188. 3 Claims. (Cl. 154—12.)



2. The process of making a rubber tire, which consists in inflating a tube through an opening therein, and molding airtight around it a thick tread portion and a portion adapted to be clamped by a rim all in one solid piece entirely surrounding the inner tube and said opening.

1,585,838. SCAFFOLD CLAMP. WILLIAM ELEMES, Elyria, Ohio. Filed Oct. 3, 1925. Serial No. 60,309. 9 Claims. (Cl. 304—38.)

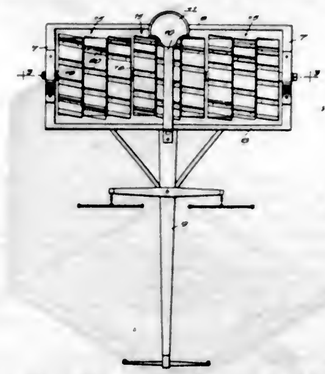


2. In combination with a ladder and a platform resting on a rung thereof, means coacting with a second rung and directly with the side rails of the ladder to hold the platform against displacement upon breakage of the first mentioned rung.

1,585,839. LAND ROLLER AND STALK CUTTER. GOTTLIEB ERNST, Cordell, Okla., assignor of one-half to William Aachte, Cordell, Okla. Filed Feb. 23, 1924. Serial No. 694,620. 1 Claim. (Cl. 55—61.)

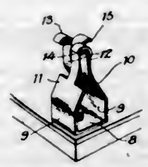
An agricultural implement of the character set forth, comprising a carrier frame, an axle thereon, and a roller

member comprising substantially duplicated roller sections located end to end and journaled on the axle, said roller sections each having a peripheral series of blades, said sections furthermore having a plurality of sets of bolt holes that are disposed apart a distance less than



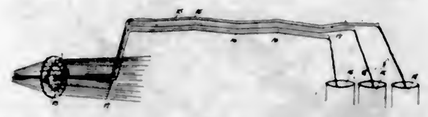
a quarter of a circle, the holes of the different sections being movable into alinement when the blades of said sections are in different relations, and bolts that pass through the bolt holes to hold the roller sections in different relatively fixed relations while permitting the roller as a whole to rotate.

1,585,840. SPRING BINDING POST. ARCHIE P. FAHNESTOCK, Long Island City, N. Y. Filed June 6, 1923. Serial No. 643,715. 1 Claim. (Cl. 173—259.)



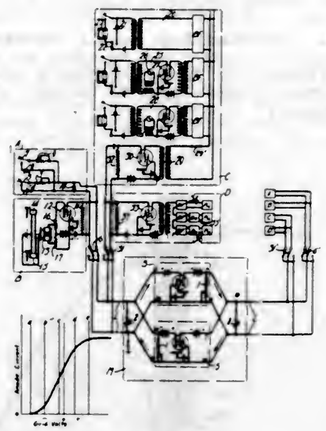
A fastening device for electrical conductors comprising a body portion having spaced complementary ends bent upwardly and normally overlapping and provided with diverging surfaces adapted to cause spreading of said ends by insertion of the conductor lateral wise, said complementary ends being formed with curved opposing hook portions adapted to grip the conductor and secure the same between them, said hook portions forming retaining abutments for the conductor, substantially as set forth.

1,585,841. FEEDING FIBER. WALTER LIVINGSTON FAUST, Summit, N. J., assignor to Whitlock Cordage Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 6, 1924. Serial No. 697,248. 3 Claims. (Cl. 19—157.)



1. Means for feeding fiber slivers through a distance exceeding the normal length of the fibers thereof which includes a sliver guide in the form of a continuous channel through which the sliver is moved under longitudinal tension, and means associated therewith for placing the sliver under lateral compression at predetermined intervals.

1,585,842. ELECTRIC-CURRENT TRANSMISSION. JUSTIN L. FEARING, South Weymouth, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,311. 20 Claims. (Cl. 179—171.)



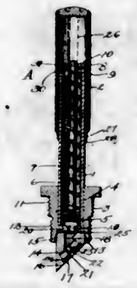
1. In an electric transmission system, a pair of transmission lines, a repeater connected between said lines comprising separate relaying means interconnecting said lines, controlling means rendering one of said relaying means responsive to electrical variations of only one sign incoming to said repeater from one of said lines, and controlling means rendering the other of said relaying means responsive to electrical variations of only one sign incoming to said repeater from the other of said lines, said control means causing each of said relaying means to so operate, in response to energy approaching said repeater, as to maintain the other relaying means nonresponsive to energy transmitted outward from said repeater.

1,585,843. PENCIL. WILLIAM HUBERT FITCH, Fort Worth, Tex. Filed Aug. 14, 1922. Serial No. 581,784. 6 Claims. (Cl. 120—12.)

1. A pencil comprising a cylindrical barrel, a lug inset within the barrel, a sleeve proportioned to be inserted

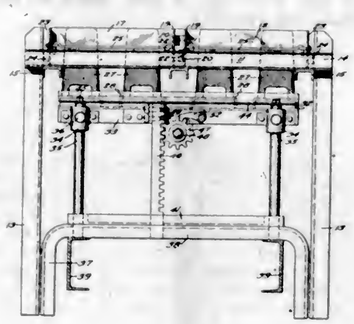
into and slide within the barrel, said sleeve having a longitudinal slot proportioned and positioned to interengage with the lug, said slot having a right angle circumferential turn terminating in a longitudinal T-section adapted to limit the sliding movement of the sleeve, and a lead carrying and advancing organization carried by the sleeve.

1,585,844. GAUGE DEVICE. JOHN J. FITZGERALD, Los Angeles, Calif., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed July 18, 1921. Serial No. 485,500. 3 Claims. (Cl. 285—1.)



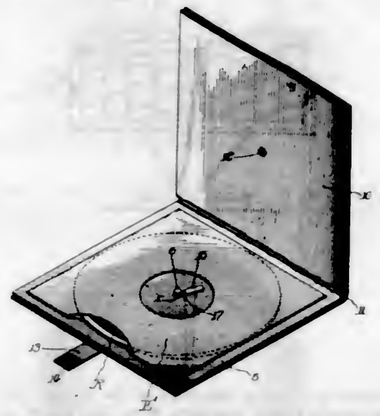
1. A pressure gauge for pneumatic tires of the like comprising a straight foot portion having a press-on seat therein disposed in inclined relation to the longitudinal axis of the foot portion.

1,585,845. MULTIPLE MOLD. STEPHEN FLAM, Walnut Park, Calif. Filed Apr. 7, 1924. Serial No. 704,644. 8 Claims. (Cl. 25—41.)



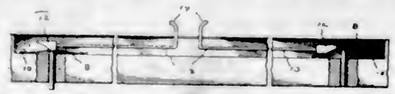
1. In a mold for casting material, means forming a plurality of molding spaces, each having apertures in the bottom, a plurality of cores arranged to be projected through the apertures, a common, vertically movable support for the cores, and means whereby said cores serve as a sole support for all of the molds.

1,585,846. MAILING HOLDER FOR PHONOGRAPH RECORDS. HENRY N. FRISBIE, Chicago, Ill., assignor to Mid-West Box Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 14, 1921. Serial No. 514,899. 4 Claims. (Cl. 206—62.)



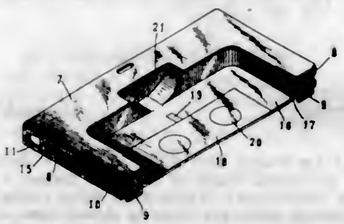
1. A mailing holder for phonograph records comprising a base, a cover and an elastic post secured to said base and adapted to enter the centering holes of the records and to act as a cushion therefor.

1,585,847. WINDOW-SCREEN MOUNTING. CHARLES F. GESCHICKTER, Washington, D. C. Filed Apr. 3, 1924. Serial No. 704,049. 1 Claim. (Cl. 156—14.)



The combination with a screen frame, having one side stile rabbeted, a slide, ports through the bottom of said rabbet opening through the inner side face of said stile, pins movably mounted in said ports, a spring connected to each of said pins and tending to hold the pin in retracted position and flush with the outer face of said stile, a cam mounted in operative position with respect to each spring, a rod connected to each cam, the free ends of said rods being in close proximity to each other, an operating handle connected to each rod and extending through the inner face of said stile, and a housing covering the rabbet and having an elongated slot through which the said handles project.

1,585,848. ELECTRIC-METER ADAPTER. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed May 14, 1925. Serial No. 15,673. 5 Claims. (Cl. 247—2.)



1. A meter adapter box end having an introverted vestibule adapted to house the terminal end of a meter, the bottom of said vestibule being provided with a knockout for permitting passage of conductors.

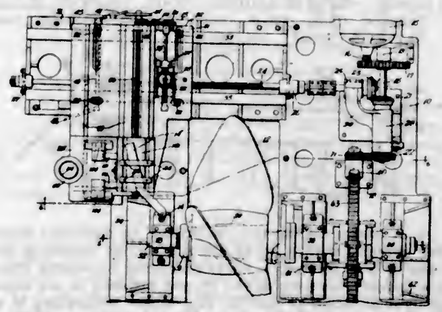
1,585,849. MEANS FOR CONNECTING ELECTRIC CABLES TO CARBON BRUSHES OR THE LIKE. EUGENE GINDRE, Levallois-Perret, France, assignor to Société Anonyme le Carbone, Levallois-Perret, France. Filed Nov. 17, 1924. Serial No. 750,418. 2 Claims. (Cl. 171—326.)

1. Means for connecting electric cables to a carbon brush, comprising a tubular rivet adapted to be engaged in the notch or depression provided in the carbon brush, a cable locking member formed by a cylindrical body adapted to slide along the tubular body of said rivet and having at one of its ends an annular base intended to be fastened onto the cable to be attached, the end of the tubular body of the rivet being fastened to said member by pressure.

1,585,850. OIL BURNER. DAVID R. GLASS, Washington, D. C. Filed Aug. 23, 1923. Serial No. 658,918. 3 Claims. (Cl. 158—75.)

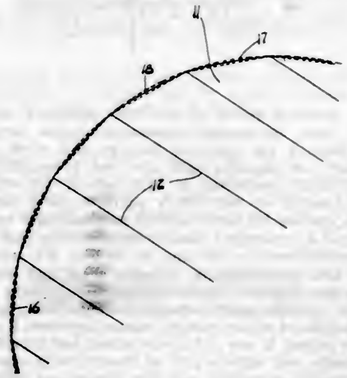
2. An oil-burner comprising a conduit for a pressure-medium, an interiorly-tapering portion terminating in a restricted orifice, a fuel-supply chamber, a fuel-supply opening, a mixing chamber having a discharge opening at the outer end thereof; said interiorly-tapering portion and said mixing-chamber being of approximately the same length, said restricted orifice being approximately one-fifth as long as either of the foregoing members, and its discharge approximately as far in advance of the fuel-supply opening as would equal one-fifth the length of said mixing-chamber, said mixing-chamber being approximately one-third the length of the entire structure, cylindrical in form and of uniform diameter with its discharge-opening; and said oil-burner being capable of discharging a pressure-medium through said restricted orifice into said mixing chamber and creating a suction capable of drawing into said mixing-chamber a predetermined quantity of fuel-oil and of atomizing and expelling the same from the discharge-opening.

1,585,851. METHOD AND APPARATUS FOR SURFACING PROPELLER BLADES. WILLIAM H. GLOCKER, Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Bldg. Co., a Corporation of Pennsylvania. Filed Feb. 10, 1920. Serial No. 357,663. 70 Claims. (Cl. 90—30.)



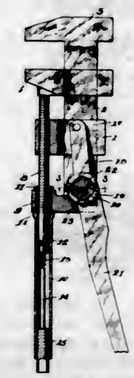
70. In apparatus for forming rotor blades the combination with means for supporting the rotor blade for rotation around the rotor axis, of means for moving the tool relatively thereto comprising means for moving the tool with motion compounded of a positive, generating movement and an auxiliary movement relative thereto controlled by a former of any desired arbitrary shape, said latter means being so arranged that said auxiliary movement is effected in a direction angularly disposed to a plane which is normal to the propeller axis.

1,585,852. REFLECTOR FOR LIGHT PROJECTION. ROBERT CLYDE GOWDY, Cincinnati, Ohio, assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 7, 1922. Serial No. 599,590. 1 Claim. (Cl. 240—41.)



A reflector having a shape of basic hyperbolic curvature and composed of distinct stripes having contiguous edges and arranged relatively parallel to each other, each of said stripes having a substantially conoidal surface with the elements of each inclined relatively to each other, the ends of each of said stripes being so twisted with relation to the central portions thereof that they lie askew with relation to the ends and central portion of each of the adjacent stripes.

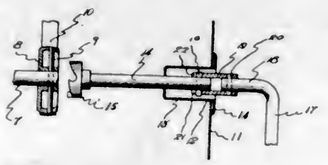
1,585,853. WRENCH. BENJAMIN J. GREER, Athens, Tex., assignor of one-half to J. R. Wood, Chicago, Ill. Filed May 28, 1925. Serial No. 33,529. 6 Claims. (Cl. 81—88.)



1. A wrench including a base portion, a pair of jaws movably mounted with respect to said base portion, threaded means for adjusting one of said jaws with re-

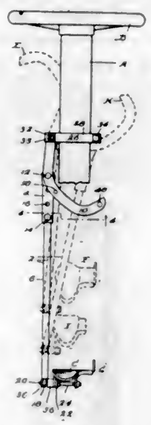
spect to the base portion, a link pivoted to said base portion, and an eccentric associated with said link and the other jaw for moving said jaws to clamping position.

1,585,854. CRANKING DEVICE. CLINTON E. HAMLOND, Boyne City, Mich. Filed Apr. 8, 1926. Serial No. 100,553. 2 Claims. (Cl. 74—33.)



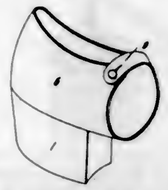
1. A cranking device of the class described, adapted for use with an internal combustion engine having a crank shaft, a pin projected through said crank shaft, a ratchet for engaging said pin, and a longitudinally movable shaft connected to said ratchet for effecting initial rotation of said crank shaft, a plate provided with an opening for receiving said longitudinally movable shaft, and a cup-shaped member positioned in said opening provided with an opening in its base for accommodating said longitudinally movable shaft and comprising: a pin projected diametrically through said longitudinally movable shaft, adjacent its outer end, said pin being positioned within said cup-shaped member; a crank; a sleeve pinned to one end of said crank and provided, at its opposite end, with a pair of diametrically oppositely longitudinally extending slots for engagement with said pin.

1,585,855. PEDAL-CONTROL MECHANISM. JOHN W. HAWN, Kansas City, Mo. Filed Dec. 18, 1925. Serial No. 76,265. 4 Claims. (Cl. 74—39.)



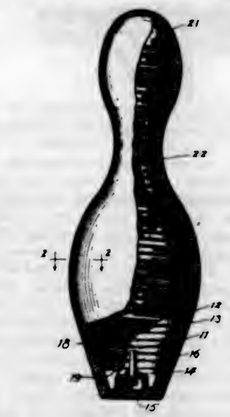
1. In combination with the steering post and gear shift pedal of a motor vehicle, a telescopic rod operably connected to said pedal, a lever for adjusting said rod to effect adjustment of said pedal to different positions, and supporting means for said lever mounted upon the steering post.

1,585,856. SHOE-HEEL PROTECTOR. DAISY JOPES HEADLEY, Bogalusa, La.; Hugh M. Headley, administrator of said Daisy Jopes Headley, deceased, assignor of one-half to Bascom D. Talley, Bogalusa, La. Filed Sept. 29, 1924. Serial No. 740,550. 2 Claims. (Cl. 36—72.)



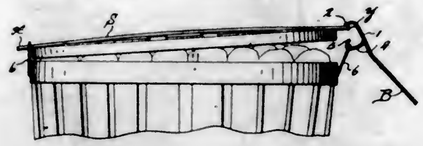
1. In a shoe heel protector, a body including a casing, said casing being constructed to receive the heel of a shoe, a partitioning member within the casing and having an opening to permit the heel of a shoe to pass therethrough, and means for securing the casing to a shoe.

1,585,857. BOWLING PIN. ERNEST HEDENSKOOG, Muskegon, Mich. Filed Mar. 8, 1923. Serial No. 623,585. 8 Claims. (Cl. 273—82.)



1. A bowling pin, comprising, a hollow body, a portion of said body being grooved, a wire wrapped in said groove and secured to the body at its opposite ends, means for admitting and holding compressed air in said body, and an outer body molded about said first-mentioned body.

1,585,858. BASKET-LIDDING TOOL. ENOS B. HIATT, Palisade, Colo. Filed June 23, 1925. Serial No. 39,114. 5 Claims. (Cl. 254—131.)



1. A basket lidding tool comprising an elongated member provided with a lip at one end portion extending beyond a face thereof, a finger extending outwardly from the member inwardly of the lip and disposed in the same general direction as the lip, said finger terminating in a bill disposed toward the lip.

1,585,859. FUSE. JOHN W. HOOLEY, Larchmont, N. Y. Filed Oct. 30, 1925. Serial No. 65,748. 1 Claim. (Cl. 200—135.)

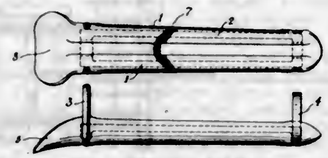
A sheet of fusible and conducting material having characters cut out of the same whereby the capacity of the fuse is reduced to what is indicated by the characters.

1,585,860. WOOD PRESERVATION. ARTHUR M. HOWALD, Pittsburgh, Pa., assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 23, 1924. Serial No. 688,098. 10 Claims. (Cl. 99—12.)

5. Process of preserving wood which comprises impregnating the same with a homogenized emulsion of an aqueous solution of a wood preserving inorganic material and an asphaltic petroleum oil containing a predominating proportion of the asphaltic petroleum oil.

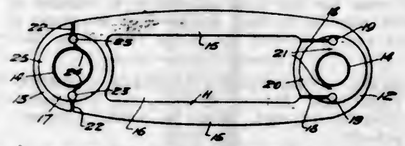
9. As a new wood impregnating agent a super-emulsified mixture of an aqueous preserving agent in an oily preserving agent.

1,585,861. SURGICAL SPLINT. WILLIAM H. HUFF, New York, N. Y. Filed May 18, 1922. Serial No. 562,006. 2 Claims. (Cl. 128—79.)



1. A genital splint comprising an elongated flexible member concave in cross section and extending for less than a semi-circle to provide an open top and sides and having its opposite ends of tapering thickness, a resilient metal reinforcing strip embedded in said member and terminating at a distance from the ends thereof to provide flexible end portions, an elastic loop at the inner end of the elongated member, and a thin elastic loop at the other end of said member having parallel vertical side walls spaced from the adjacent flexible end portion.

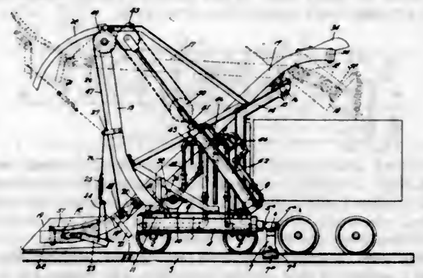
1,585,862. BREAKABLE LINK FOR TURBINE GATES. GEORGE A. JESSOP, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Filed Dec. 30, 1924. Serial No. 758,871. 11 Claims. (Cl. 253—122.)



9. A link for the purpose specified, having a connecting end opening therethrough with an adjacent weakened body part adapted to fracture by abnormal stress thereon and provide a clearance for said opening relatively to the means for attaching the link and thereby automatically disconnect the link.

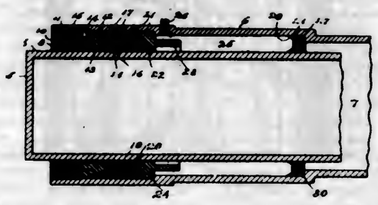
1,585,863. DIGGING MACHINE. FRANK JONES, Salt Lake City, Utah. Filed Jan. 26, 1925. Serial No. 4,761. 5 Claims. (Cl. 214—102.)

1. A machine of the character described, comprising a base, a track pivotally mounted thereon, a shovel carried by the free end of the track, an anchor, extensible means connecting the base and anchor, means to expand and contract said extensible means for the purpose



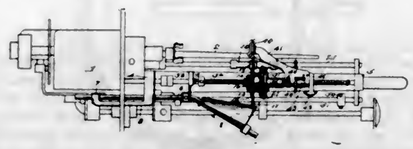
of crowding the shovel, and means carried by the track in engagement with the base for relieving strain on the track pivot during crowding of the shovel.

1,585,864. PACKING. BRYAN P. JOYCE, Davenport, Iowa, assignor to Thomas A. Conlon, Silver Spring, Md. Filed Sept. 13, 1922. Serial No. 587,986. 3 Claims. (Cl. 286—27.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



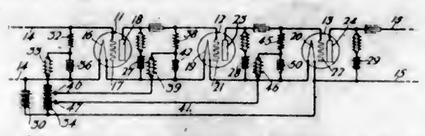
3. The combination with a casing and a plunger reciprocable within the casing, of a head for the casing and encircling the plunger, a wiper carried by the head and contacting the plunger, a centering ring within the casing resting against the head and encircling the plunger, a resilient packing ring engaging the plunger, a second resilient packing ring engaging the casing and fluid pressure actuated means engaging the resilient rings the surface area of said means in contact with the fluid being greater than the surface area in contact with the rings, whereby a greater pressure per unit area is exerted upon the rings than the fluid pressure per unit area upon the means.

1,585,865. WINDING MACHINE. JAMES DANIEL JOYCE, Philadelphia, Pa. Filed June 27, 1925. Serial No. 39,980. 18 Claims. (Cl. 242—27.)



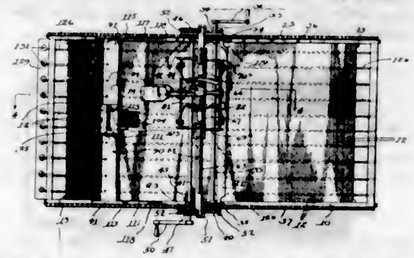
1. In a winding machine, the combination with the winding spindle, traverse-bar, thread guide and means to reciprocate the traverse-bar and thread-guide, of means mounted on said bar and capable of movement transversely thereof to feed the guide along the bar and longitudinally and rotatively adjustable means to regulate the feeding of the guide to determine the taper of the base of the package wound.

1,585,866. REPEATER CIRCUITS. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,809. 10 Claims. (Cl. 179—171.)



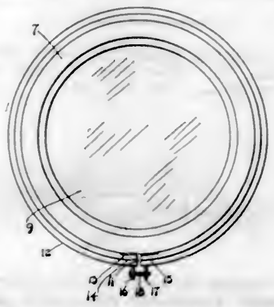
1. In combination, a plurality of vacuum tubes, each having a control electrode, a cathode and an anode, a battery having terminals of different values of negative potential with respect to said cathodes, a connection from one of said terminals to one of said control electrodes, a connection from another of said terminals to a second of said control electrodes, and means for preventing undesired fluctuations in potential from being fed through the connections for one tube to said common battery into the input circuit of another of said tubes.

1,585,867. RECORDING AND DETECTING SYSTEM. CHARLES C. KRUSE, Modesto, Calif. Filed June 27, 1923. Serial No. 648,145. 16 Claims. (Cl. 129—16.1.)



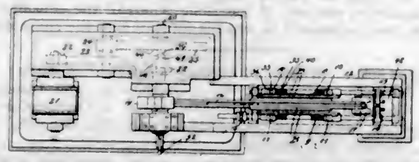
1. In a device of the character described, the combination of a receptacle, a plurality of leaves arranged within the receptacle in definitely measured positions with respect to the longitudinal dimension of the receptacle and having upstanding tabs, and means for engaging the tabs of a predetermined leaf and raising it above the other leaves.

1,585,868. LAMP-CLOSURE FASTENING. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Filed Mar. 26, 1923. Serial No. 627,630. 1 Claim. (Cl. 240—41.)



In combination with a beaded lamp body and a closure glass, a closure rim having a forward imperforate glass engaging portion and a slotted rearward body engaging portion, the slotted portion having an inclined rear flange adapted to engage the body bead, and means adapted to contact the slotted portion of the rim upon the bead, whereby the inclined rear flange will draw the forward imperforate portion of the rim rearwardly into clamping engagement with the glass upon contraction of the slotted portion of the rim.

1,585,869. PALLET CLEANER. CHARLES H. LASKER, Joliet, Ill., assignor to General Refractories Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1925. Serial No. 24,058. 8 Claims. (Cl. 15—3.)

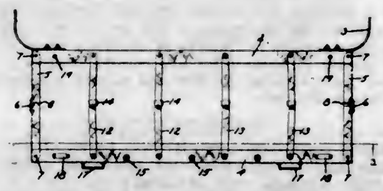


1. In combination, two opposing holders arranged to receive and hold two pallets; means for holding said pallet-holders with the pallets mounted thereon in contact; and means for imparting movement to one of said pallet-holders.

1,585,870. VINEYARD-BRUSH RAKE. CLARENCE W. PARKER, Yountville, Calif. Filed Nov. 24, 1924. Serial No. 752,041. 3 Claims. (Cl. 56—394.)

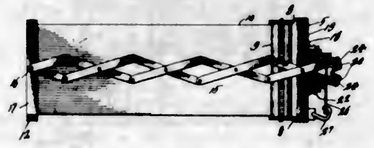
1. The combination with a wheeled frame including parallel side bars, a tongue projecting forwardly from the frame, a cross bar hinged to the frame and extending transversely of the same, a plurality of arcuate tines carried by the cross bar, a rigid brace bar extending parallel to the cross bar and to which the tines are connected, a contractile spring having one end connected to the cross bar and its opposite end connected to the tongue and normally urging the cross bar in a direction to hold the tines in an elevated position, a rack bar arranged on the frame rearwardly of the tines, a lever carried by the cross bar whereby to move the latter in a direction to engage the tines with the ground, and a detent carried by the lever for engagement with the rack bar to hold the tines in operative position, the side bars being disposed in the path of movement of the cross bar and being adapted to be engaged by the latter whereby to limit the lowering movement of the tines and to prevent the spring from being distorted.

1,585,871. COLLAPSIBLE LUGGAGE CARRIER FOR VEHICLES. EDWARD M. PELS, San Francisco, Calif. Filed Feb. 16, 1925. Serial No. 9,385. 2 Claims. (Cl. 224—29.)



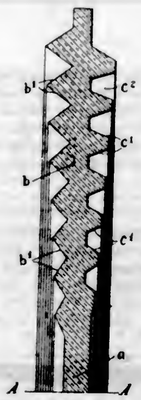
1. A collapsible luggage carrier comprising an inner rail adapted to be secured to a support, an outer rail movable in a plane parallel to said inner rail, a pair of foldable end members for limiting the outward movement of said outer rail, intermediate toggle support members pivotally connected at their ends to said rails and adapted in their dead center position to spring said rails apart farther than the limiting position of said end members, and means on each of said toggles to limit their movement in one direction to a position just past their dead center position.

1,585,872. DIRECTION SIGNAL FOR MOTOR VEHICLES. NICK K. PETSONIS, Chehalis, Wash. Filed June 22, 1925. Serial No. 38,825. 4 Claims. (Cl. 116—40.)



1. A direction signal including a support, a pair of spring rollers mounted in a vertical position on said support, a flexible strip normally wound upon each roller and having normally concealed signaling indicia thereon, and manually operable means arranged between said strips and said rollers for unwinding said strips from said rollers against the action of the springs of the latter and in an outwardly projecting flat condition for exposing said signaling indicia, a spacing plate having the outer ends of the strips secured to the side edges thereof, said strip unwinding means embodying lazy-tongs carried by the support and attached to the spacing plate, said lazy-tongs having hooks upon the inner ends of the inner levers thereof, a pair of crank shafts journalled upon the support and rotatably geared together, the cranks of said crank shaft being engaged by the hooks of the lazy-tongs, and a handle rigid with the gears of the upper crank shaft.

1,585,873. FRONT GLASS FOR VEHICLE LAMPS. ARTHUR WILLIAM POUGHER, York, England. Filed Feb. 2, 1925. Serial No. 6,302. 3 Claims. (Cl. 240—48.4.)



1. A front glass for vehicle lamps comprising a set of concentric annular prisms of truncated pyramid section facing in one direction and a set of concentric annular prisms of triangular section facing in the opposite direction, the apices of the triangular sections of the second mentioned set of prisms being disposed in line with the spaces dividing the truncated sections of the first mentioned set.

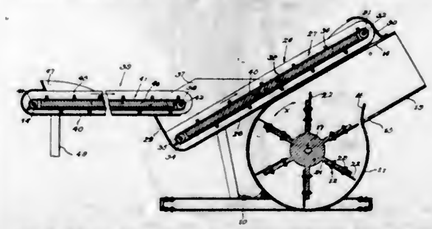
1,585,874. STORAGE-BATTERY TERMINAL. EARL M. POWELL, Clermont, Ind., assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., Indianapolis, Ind., a Corporation of New York. Filed Aug. 22, 1922. Serial No. 583,596. 5 Claims. (Cl. 136—168.)

1. In a storage battery, in combination, a cover having an opening therethrough, a threaded terminal post projecting through said opening, and a threaded split nut screwed onto said post and retaining the same in said opening.

1,585,875. AUTOMOBILE TIRE. MANLEY R. PRICE, Cleveland, Ohio, assignor to H. Thurman Crisp, St. Louis, Mo. Filed Dec. 3, 1923. Serial No. 678,183. 1 Claim. (Cl. 152—10.)

An automobile-casing lining comprising an annular circumferentially split thick wall sponge rubber tube diametrically thickened and radially expanded at its circumferential edges, said tube being provided in one of its said edges with an annular groove obliquely disposed both to the edge face and to the diametrical axis of the tube and counter-channeled and thereby of greater dimension at its base than at its neck and upon the opposite one of its said edges with an annular tongue also obliquely disposed both to the edge face and to the diametrical axis of the tube and correspondingly of greater dimension at its head than at its stem, said tongue being adapted for co-operative interlocking engagement with said groove for retaining the edges of the tube together when the tube is under compression either in the presence or absence of an internal tube-expanding core.

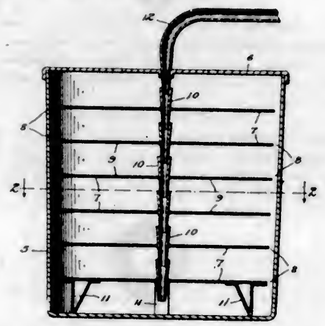
1,585,876. GRAIN ELEVATOR AND BLOWER. CHARLES QUADE, Janesville, Minn. Filed July 9, 1924. Serial No. 725,033. 1 Claim. (Cl. 198—87.)



In a grain separator, a main conveyer including a trough extending at an upward incline and having a bottom formed with an outlet adjacent its upper end, side walls, an upper end wall, and a lower end wall of greater height than the side walls, auxiliary side wall sections secured against the outer faces of the lower portions of said side walls and projecting upwardly above the lower end wall and cooperating therewith to form a hopper for the lower end portion of the trough, means for moving grain upwardly through said trough for passage out of the outlet adjacent the upper end thereof, and an auxiliary conveyer including a trough pivotally mounted at one end between said auxiliary side wall sections above said side walls and in advance of said end wall for swinging movement from a folded

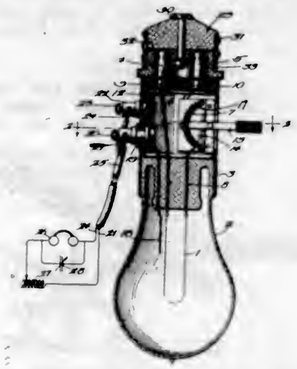
position in overlying relation to the first trough to an extended position with its bottom resting upon the upper edge of the lower end wall of the first trough, and means for moving grain through the auxiliary trough and delivering the same into the lower end portion of the main trough.

1,585,877. CLARIFIER. ERNEST H. RICHTER, Seattle, Wash. Filed Apr. 6, 1925. Serial No. 20,922. 1 Claim. (Cl. 210—51.)



A clarifier comprising a vessel, a plurality of shelves, each of said shelves having a conduit, each of said conduits arranged to fit one within the other to form a continuous passageway, said conduits adapted to retain said shelves in superimposed spaced relation, means for supporting the lowermost shelf and its conduit above the bottom of the vessel, and means for connecting a siphon to the uppermost conduit.

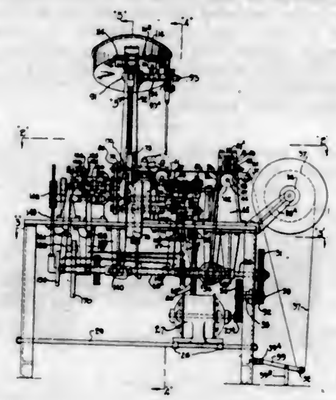
1,585,878. THERMIONIC VALVE. HARRY O. RUGH, Chicago, Ill. Filed Nov. 16, 1922. Serial No. 601,304. 2 Claims. (Cl. 250—27.)



1. A thermionic valve including a bulb containing a looped conductor inclusive of a filament and having terminal contacts connected with said conductor, these contacts constituting the input terminals of the valve; and an electrode adjacent the looped conductor and closer to one leg thereof than the other.

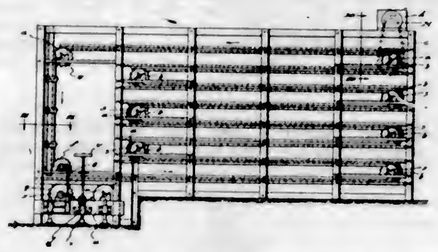
1,585,879. WRAPPING MACHINE. HERMAN SCHLOTTHAUER, Chicago, Ill., assignor to Pyramid Drug Company, Marshall, Mich., a Corporation of Michigan. Filed Aug. 2, 1923. Serial No. 655,193. 7 Claims. (Cl. 93—5.)

2. In a machine for automatically wrapping conical-like units, a loader comprising a reciprocating plunger feeder, means for successively feeding the units to said feeder, and means for controlling the position of the



conical unit during loading by said feeder whereby the unit will be moved with its apex forward.

1,585,880. MACHINE FOR DIPPING AUTOMOBILE DOOR HANDLES. WILLIAM SCHNELL, Detroit, Mich., assignor to Shepard Art Metal Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 29, 1923. Serial No. 628,420. 22 Claims. (Cl. 91—46.)

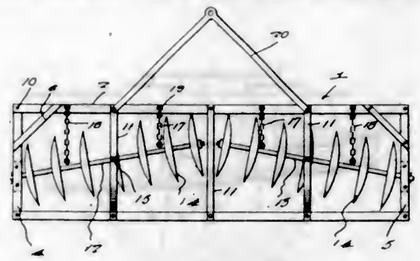


1. In a machine for the purpose specified, the combination of means for affording a bath of enamel to a plurality of articles, automatic means for causing said articles to travel in gangs through and out of said bath, and means for slowly revolving said articles after they emerge from the bath to secure an even distribution of the enamel.

1,585,881. LEAF-SPRING LUBRICATING MEANS. HONG KIM SEUNG, Stockton, Calif. Filed Sept. 26, 1923, Serial No. 664,821. Renewed Oct. 28, 1925. 3 Claims. (Cl. 267—50.)

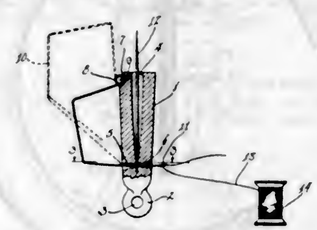
1. A leaf-spring comprising a plurality of superimposed leaves, a chamber for the reception of a lubricant formed between the upper and lowermost leaves, and means enclosed in said chamber for preventing lateral displacement of the leaves relative to each other while allowing longitudinal spring movement therebetween being had.

1,585,882. TANDEM DISK HARROW. EDWARD P. SHROYER, Girard, Ill. Filed Aug. 11, 1925. Serial No. 49,579. 2 Claims. (Cl. 55—81.)



1. A disk harrow comprising a substantially rectangular shaped frame, bearing blocks depending from the respective ends of the frame, a pair of shafts journaled at their outer ends in the respective bearing blocks and adapted for oscillatory movement therein, disks carried by each of said shafts, transversely extending braces carried by the frame, suspension means for the intermediate portions of the shaft comprising a pair of interconnected eye bolts, one of said eye bolts being secured to the adjacent brace, the other eye bolt being secured to a respective shaft, and means for adjustably securing the free ends of the shafts to the forward side of the frame.

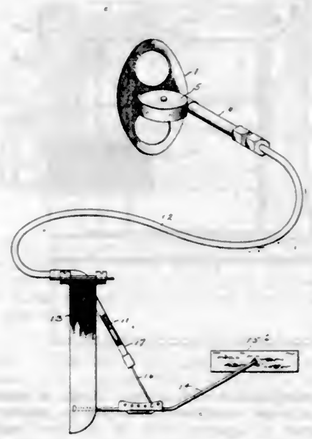
1,585,883. NEEDLE THREADER. ALEXSON STEPHEN, Chicago, Ill. Filed Oct. 26, 1925. Serial No. 64,865. 1 Claim. (Cl. 223—36.)



A needle threading device comprising an elongated body portion having a bore extending from one end toward the other, said bore being of a length sufficient to receive the major portion of a needle, said bore tapering from the outer end toward the opposite end and terminating in an oblong reduced portion, said body portion being provided with transverse aligned passages tapered from the outer edge of the body portion, said transverse aligned passages communicating with said oblong portion of the bore, a U-shaped spring-actuated member having a hook at one end arranged to pass through said passages and through the eye of the needle, and a flat plate-like holding member integral with said body portion at the end thereof near the transverse passages, the plane of said holding member being parallel with the axis of the transverse passages.

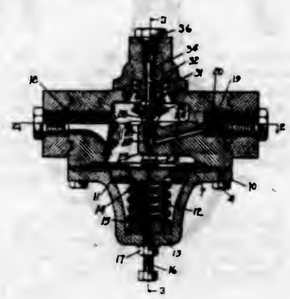
1,585,884. FLUID GAUGE. WILLIAM S. ADAMS, San Diego, Calif., assignor to The Grolan Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 20, 1923. Serial No. 626,267. 3 Claims. (Cl. 73—82.)

1. In a liquid gauge, a float controlled indicator including a revoluble drum, an actuating spring for said drum, an independently revoluble trunnion shaft for said drum to which one end of the spring is connected, the opposite end of the spring being connected to the drum, a housing for said drum in which the shaft is mounted, one of the shaft bearings in said housing having a radial notch, said shaft having a radial enlargement adapted to pass through said notch into the interior of the housing,



and a stop projection within the housing in spaced relation with said notch against which the radial enlargement engages under influence of the spring and out of registry with the entrance notch to detachably lock the shaft against rotation.

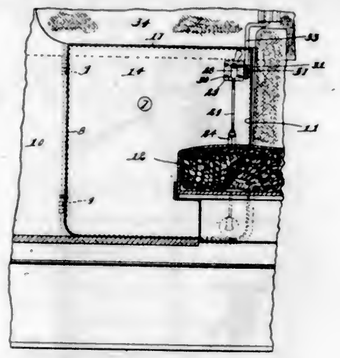
1,585,885. REDUCING VALVE. AUGUST P. ANDERSON, Toledo, Ohio. Filed Mar. 12, 1923. Serial No. 624,384. 3 Claims. (Cl. 50—23.)



1. In a reducing valve, a pair of valve members, one forming the valve seat and the other forming the movable valve part, the valve seat having an opening extending therethrough and having a substantially conical surface corresponding to a surface formed by the rotation of an ogee line about the axis of the member, the movable part having a substantially conical surface.

3. In a reducing valve, a spring pressed diaphragm, a spring pressed yoke operated upon by the diaphragm, a cap secured to the valve casing, a stem located in the cap and adjustably connected to the yoke, a needle valve member connected to the stem, an arm projecting into the yoke, and a fixed valve member having an opening for receiving the movable valve member, the yoke being removable through the opening closed by the cap, the stem guided by the cap when the valve members are ground together.

1,585,886. DOOR CONSTRUCTION. WILLIAM ANDLER, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 11,913. 5 Claims. (Cl. 296—44.)



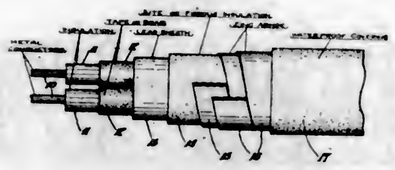
1. The combination with a door having a plurality of walls, of a truss construction comprising bracket members attached to separate walls of the door, and a rod connecting said members, substantially as described.

1,585,887. MECHANICAL TOY. MARY C. BEACH, Arvada, Colo., assignor of one-half to Elva R. Cooper, Denver, Colo. Filed Aug. 29, 1925. Serial No. 53,259. 3 Claims. (Cl. 46—40.)

2. A toy comprising a casing provided with an opening, a figure movable into and out of said casing, means for producing a force tending to move the toy out of the casing, said means comprising a conical coil spring whose smaller end may be moved past the plane of the larger end so as to change the spring from a compression spring to a tension spring, the largest coil of said spring being connected with the interior of the casing at points spaced from the bottom thereof and the smallest coil to the toy figure.

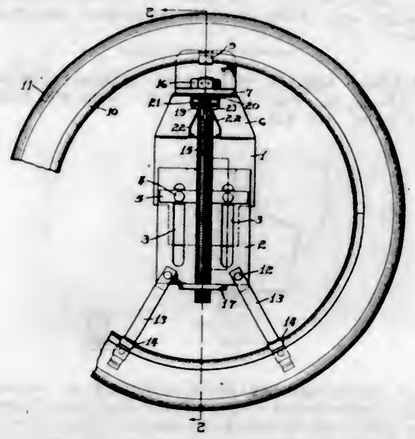
1,585,888. ARMORED CABLE. GUY V. BUDLONG and ALEXANDER O. HOEFTMANN, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Sept. 2, 1920. Serial No. 407,750. 1 Claim. (Cl. 173—266.)

A flexible armored cable comprising a plurality of insulated conductors, a lead sheath mounted around and enclosing said conductors, a fibrous covering for said sheath, a non-magnetic metallic armor surrounding said fibrous covering, said armor comprising inner and outer helically wound zinc strips, said outer strip being stag-



gered with respect to said inner strip so as to overlap the helical joint formed by the abutting edges of said inner strip, and a waterproof covering enclosing said armor.

1,585,889. RIM SPREADER. JAMES CALLIGAN, Quincy, Mich. Filed Sept. 21, 1925. Serial No. 57,502. 3 Claims. (Cl. 157—1.)

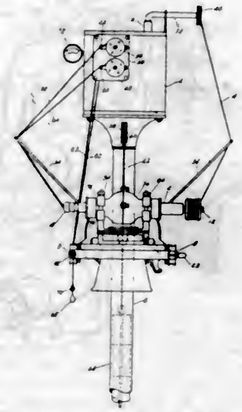


1. A tire rim spreader comprising a pair of extensible plates having elements engageable with opposed portions of a tire rim, a screw rotatably mounted at one end on one of said plates, an outwardly extending flange on the other plate, said screw being in threaded engagement with said flange, a ratchet wheel fixed to one end of said screw, a U-shaped supporting element loosely encircling said screw and providing a housing for said ratchet wheel, an operating handle hingedly connected to said supporting element, and a pair of dogs associated with said handle whereby when said handle is raised to approximate alignment with the support, one of said dogs may be moved into engagement with said ratchet wheel.

1,585,890. X-RAY APPARATUS. CHARLES E. CAMPBELL, Lynn, Mass. Filed Aug. 25, 1921. Serial No. 495,395. 4 Claims. (Cl. 250—84.)

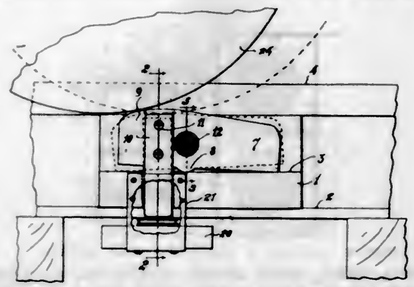
1. X-ray apparatus comprising a support, an X-ray generator rotatably mounted upon the support, a casing rotatably mounted upon the support containing a source

of energy for the generator, the casing having spaced-apart points to which the source of energy is connected, the generator having spaced-apart terminals, a meter mounted upon the casing, conductors connecting cor-



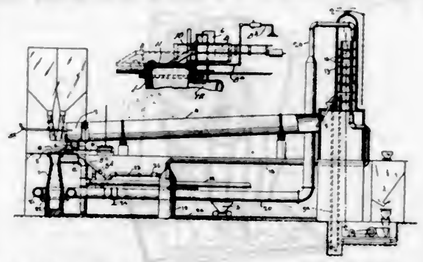
responding terminals of the generator and said spaced-apart points, the conductors being drawn taut, and means whereby rotative movement of the generator will be communicated to the casing and the meter and crossing of the conductors will thereby be prevented.

1,585,891. SIGNAL DEVICE FOR RAILWAYS. ROBERT E. CHATHAM, Dallas, Tex. Filed Sept. 21, 1925. Serial No. 57,578. 3 Claims. (Cl. 246—246.)



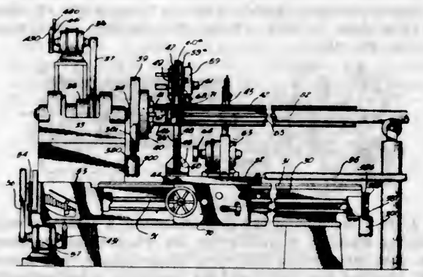
1. In a railway signal contact device, a rocker arm, a support therefor, said support and arm connected to a railway rail by a bolt, a lock-nut on the outer end of the bolt, said rocker arm having an opening of larger diameter than the bolt to permit the rocker arm to move freely upon the bolt and its support; said arm having an enlarged and rounded head portion on one end and an under projection, the latter adapted to permit the arm to rock upon its support; a leg on the arm, contact plates and a support therefor underneath the leg, and a wire connected to said rail and contact plates.

1,585,892. BLAST FURNACE. JOSHUA K. CLUTTS, Detroit, Mich. Filed Sept. 25, 1922. Serial No. 590,497. 7 Claims. (Cl. 266—14.)



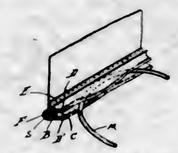
1. A draw stack having a base portion formed with a chamber adapted to receive a slag car and with a flue leading from said chamber to the stack, and means within said stack for utilizing the heat arising from slag within said chamber.

1,585,893. PIPE-SLOTTING MACHINE. CLARENCE J. COBERLY, Los Angeles, Calif., assignor to Kobe, Inc., Los Angeles, Calif., a Corporation of California. Filed Oct. 1, 1923. Serial No. 665,917. 32 Claims. (Cl. 266—23.)



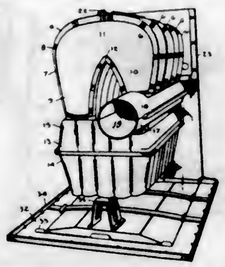
1. In a pipe slotting machine, the combination of: means for holding a pipe; a plurality of relatively spaced cutting torches disposed exteriorly of and radially with respect to said pipe with the nozzles thereof spaced in cutting arrangement relative thereto; means for supporting said torches in circular disposition around the pipe; and means for producing a relative movement between said supporting means and said pipe.

1,585,894. SPRING FRAME. CHRISTOPHER F. CODA, Detroit, Mich., assignor to Jenks and Muir Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Nov. 1, 1923. Serial No. 672,190. 3 Claims. (Cl. 155—180.)



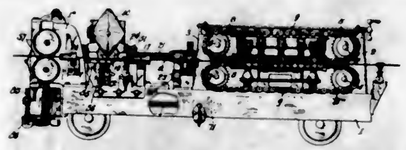
1. In a spring frame, a sheet metal strip bent and return bent to form a channel with two ply sides, the upper of said return bent portions terminating in an upturned flange in substantial vertical alignment with the bend forming the channel and the lower of said return bent portions extending outward beyond the bend of the channel and provided with an upturned flange forming between the same and the first mentioned flange an upwardly opening channel adapted to be closed by the inward bending of the last mentioned flange.

1,585,895. FURNACE. LOUIS WHITZEL DAMAN, Pont Rouge, Canada. Filed Dec. 13, 1924. Serial No. 755,698. 7 Claims. (Cl. 126—104.)



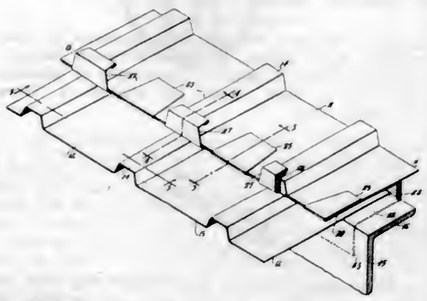
1. In a furnace a plurality of vertical flues in inverted U-shape having inlets at the lower end on the one side and outlets at the other side, a firepot and a closure mounted thereon having inlets to said flue inlets and carrying a flue extending therealong and communicating with said outlets and a casing enclosing said parts and affording a hot air furnace.

1,585,896. BAR AND TUBING SEVERING MEANS. EDWARD DANNER, Toledo, Ohio, assignor to The Libbey Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 7, 1922. Serial No. 580,037. 31 Claims. (Cl. 49—48.)



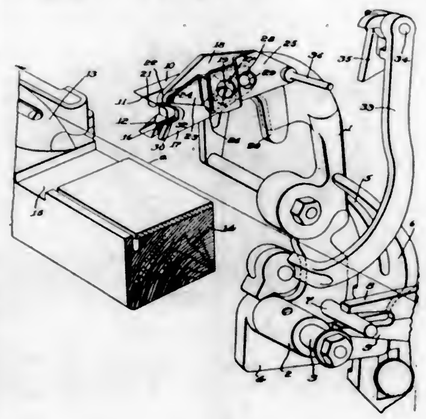
1. In a machine of the class described, a rotatable work scoring wheel, a mounting for the wheel rotatable about an axis intersecting the wheel diametrically, and means for rotating the wheel and its mounting simultaneously.

1,585,897. ROOF CONSTRUCTION. HARRY O. DAVIDSON, Baltimore, Md., assignor to C. D. Pruden Corporation, Baltimore, Md., a Corporation of Maryland. Filed Dec. 27, 1922. Serial No. 609,177. 8 Claims. (Cl. 108—13.)



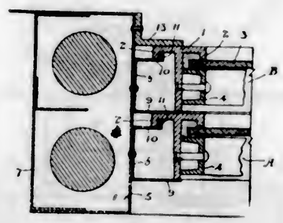
1. In roof construction, the combination with lap-joined roof sheets and a member with lateral flange at its upper edge extending along beneath the joint, of an interlapping sheet extending along the joint and securing the edge of the upper sheet, and having a retroverted portion hook under the aforesaid flange of said member and bent downward and secured to the member below said flange.

1,585,898. SHUTTLE-FEELER THREAD PARTER AND CLAMP. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 20, 1926. Serial No. 82,573. 7 Claims. (Cl. 139—264.)



2. In a shuttle feeler thread parter and clamp, the combination of the shuttle feeler having a parting member and a clamping member, a combined thread parter and clamp movably mounted on the shuttle feeler and having on one face a parting edge and on the opposite face a grooved or scored clamping surface to cooperate with the clamping member, an auxiliary clamp at the opposite side of the clamping member movable with the combined parter and clamp and having a grooved or scored clamping surface, and a thread stripper to strip and free the thread from the clamping surfaces as the parter and clamp are opened.

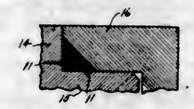
1,585,899. METAL WINDOW CONSTRUCTION. JOHN EDWIN DENNIS, London, Ontario, Canada. Filed Sept. 3, 1924. Serial No. 735,618. 7 Claims. (Cl. 189—65.)



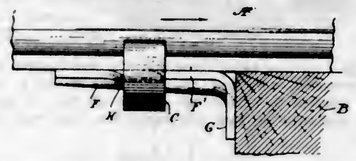
1. A sliding metal window construction, comprising a frame having a pair of metal strips each provided with flanges extending inwardly into the window opening and forming a pair of channels, and metal sash of an angularly flanged construction having flanges thereof engaging the flanges of the frame members in an interlocking weather contact.

1,585,900. BEAD CORE AND MANUFACTURE THEREOF. CHARLES H. DESAUTELS, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 6, 1923. Serial No. 673,084. 4 Claims. (Cl. 154—14.)

3. A bead filler composed of a plurality of inextensible annular strands located in the base portion thereof, and a covering of sheet material extending around the strands and looped between them, the looped portion of the material being compacted into a triangular body portion of the filler.

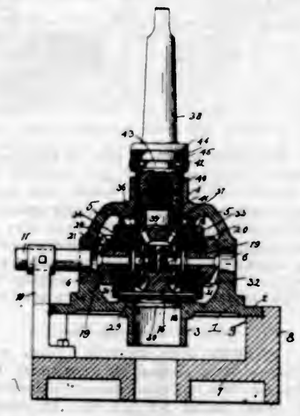


1,585,901. RAIL ANCHOR. RAYMOND DINKLAGE, Montclair, N. J. Filed Nov. 13, 1923. Serial No. 674,503. 1 Claim. (Cl. 238—324.)



The combination of a track rail, a yoke adapted to engage the rail and having a conical cutaway portion and a wedge member having a conical wedging portion adapted to fit the cutaway portion in the yoke and adapted to be located between the yoke and the rail, the wedge member having a plurality of oppositely disposed latch members adapted to abut against the yoke and prevent relative movement of the yoke and wedge.

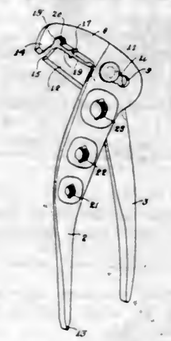
1,585,902. MILLING DEVICE. DAVID F. DOMIZI, Cleveland, Ohio. Filed Oct. 12, 1922. Serial No. 594,148. 12 Claims. (Cl. 90—12.)



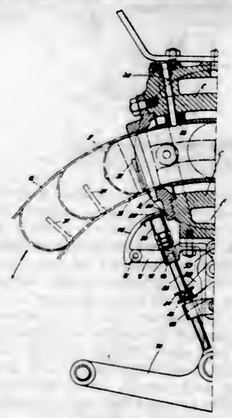
1. A milling tool comprising a housing, a pair of axially aligned milling cutters having convex outer cutting faces, said cutters being journaled in said housing on opposite sides thereof, means for centering and pivotally supporting said housing, means for driving said cutters, and means independent of said driving means for turning said housing.

1,585,903. TOOL. FRANK J. MCINTYRE, Hartford, Conn. Filed Feb. 4, 1925. Serial No. 6,775. 1 Claim. (Cl. 81—83.)

An implement of the class described comprising two crossed levers one of the levers having several intersecting slots and the other lever having a square slot and a pivot extending therethrough to selectively engage any one of the several connected slots, the pivot having a square portion extending through the square slot and a threaded portion, extending beyond the said square slot, and furnished with a nut in threaded engagement with said threaded portion, each of the levers having an angularly extending jaw, the said jaws being oppositely opposed to each other, the outer one of said jaws having an angular extension overlying the end of the inner jaw and having an arcuate recess at the junction of the jaw and the said extension.



1,585,904. METHOD OF AND APPARATUS FOR MANUFACTURING MULTICELLULAR AIR TUBES FOR PNEUMATIC TIRES. THOMAS BAKER MCLEROTH, London, England, assignor to T. B. McLeroth (Tubes) Limited, London, England. Filed Aug. 2, 1923. Serial No. 655,228. 23 Claims. (Cl. 154—9.)

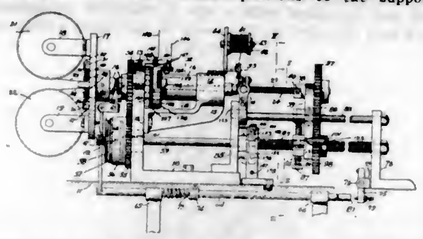


2. In an apparatus for the manufacture of multi-cellular air tubes for pneumatic tires, the combination of a die constituted by two co-axial tubes having an annular space therebetween and adapted for the feeding thereinto and therethrough of raw rubber, a plunger adapted to be reciprocated in the inner tube, and means for feeding raw rubber discs to said inner tube in advance of the plunger and in a plane substantially normal to the direction of length of said tube.

1,585,905. GRID-MAKING MACHINE. HARRY DE FOREST MADDEN, Newark, and JOHN JOSEPH HIGGINS, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 14, 1922. Serial No. 594,495. 29 Claims. (Cl. 140—71.)

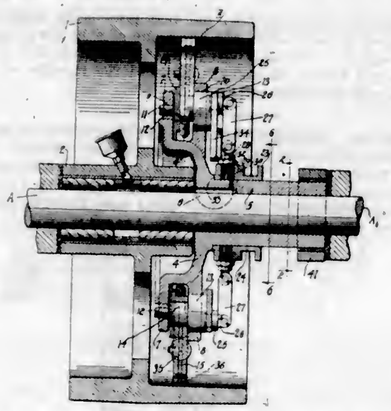
1. A machine for making grids for electrical devices, comprising support-wire-feeding means, an arbor, means

for holding support wires upon said arbor, means for winding another wire around portions of the support



wires upon said arbor and means for effecting a relative movement between said arbor and the support wires held thereon.

1,585,906. CLUTCH. ALBERT MASTER, Park Ridge, Ill. Filed Mar. 21, 1921. Serial No. 453,865. 8 Claims. (Cl. 192—75.)

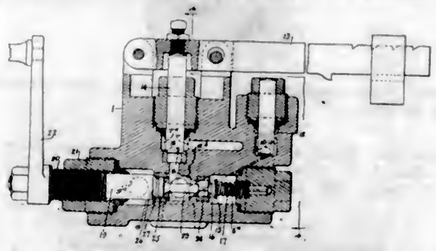


2. A clutch having, in combination, a driving element and a driven element, said driven element comprising a spider having a supporting sleeve, a shaft journaled in said spider and having an eccentric, a clutch member having a hub pivotally mounted on the eccentric and a surface adapted to be engaged by the driving element, means tending to turn the clutch member on the eccentric in the direction to separate the clutch member from the driving element against the action of centrifugal force, an arm rigid with said shaft, and a shifting collar mounted upon and slidable longitudinally of said sleeve and arranged to swing said arm in either direction and thus turn said eccentric to place the clutch member in or out of engagement with said surface.

1,585,907. GOLF CLUB. PERRY K. MILLER, Montclair, N. J. Filed May 8, 1924. Serial No. 711,771. 2 Claims. (Cl. 273—80.)

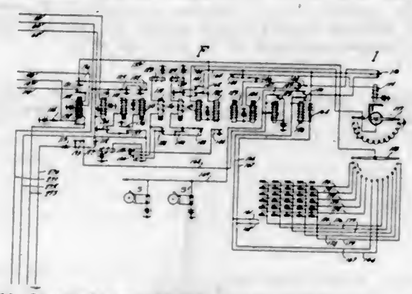
1. A golf club comprising: a club head, a metallic shaft-socket associated with said head, said socket of taper formation and internally threaded, a wooden shaft having a threadless taper end and devoid of a shoulder that becomes threaded when rotatively inserted into the socket, the threads of the socket being formed in said direction that impact of the club head against a ball turns the shaft into deeper engagement with the socket.

1,585,908. CHANGE VALVE. FREDERICK B. MOORMAN, Dayton, Ohio, assignor to Buckeye Iron & Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed July 16, 1924. Serial No. 726,383. 4 Claims. (Cl. 138—16.)



1. In a change valve structure, the combination with a low pressure valve and an exhaust port, of a control valve adapted to permit the closure of the low pressure valve and then to open communication with the exhaust port.

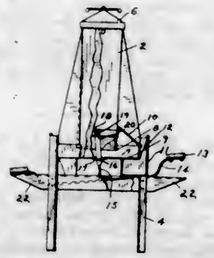
1,585,909. CODE SIGNALING SYSTEM. MARTIN L. NELSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 10, 1922. Serial No. 559,769. 28 Claims. (Cl. 179—18.)



11. In a telephone system, a pair of switches, one of said switches having movement in a forward direction only and having two operating speeds, and means controlled by the other of said switches for operating said one switch at both operating speeds.

23. In a telephone system, a code selecting switch having calling and answering terminals associated therewith, selector switches having access to said calling terminals, and connector switches having access to said answering terminals.

1,585,910. FEEDER FOR FOWLS. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Mfg. Company, Fort Atkinson, Wis., a Corporation of Wisconsin. Filed May 21, 1924. Serial No. 714,766. 12 Claims. (Cl. 119—55.)



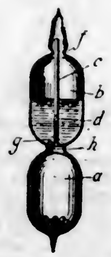
6. In a feeder for fowls the combination with a support, of a container pivotally connected therewith and

having an open bottom, a set of levers loosely connected with the container and having fulcrum connection with the support, a set of perches connected with said levers on opposite sides thereof to swing downwardly and upwardly in alternation, and means connected with the support for limiting the downward movement of the respective perches, said perches when raised being adapted to utilize the weight of a fowl thereon to press the same and transmit the resultant motion through the levers to the container to promote delivery and distribution of the material therefrom.

1,585,911. AMPULLA CONSISTING OF SEVERAL PARTS. WILHELM OSCAR HEUBLEIN, Frankfort-on-the-Main, Germany. Filed Apr. 2, 1923. Serial No. 629,525. 2 Claims. (Cl. 128—272.)

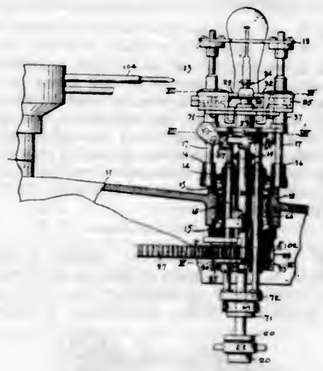
1. An ampulla comprising two compartments, one of the compartments containing a solvent liquid and the other containing a substance soluble in the said liquid, and a frangible partition separating the two compartments, the compartment containing the substance to be dissolved having a lower pressure than that containing the solvent liquid, whereby when the partition is broken the solvent liquid is injected in a jet upon the said soluble substance.

1,585,912. AMPULLA WITH SEPARATED COMPARTMENTS FOR LIQUIDS TO BE INJECTED. WILHELM OSKAR HEUBLEIN, Frankfort-on-the-Main, Germany. Filed Nov. 26, 1924. Serial No. 752,454. 1 Claim. (Cl. 128—272.)



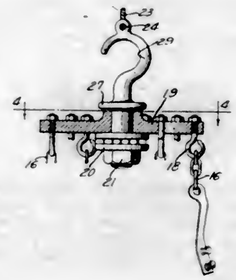
An ampulla for liquids to be injected comprising in combination a body separated by a narrowed part into an upper part designed to contain a liquid and a lower part designed to contain a dry substance, gas or liquid, a space of reduced pressure existing in said lower part, a breaking lever in said upper part consisting of a glass tube closed at the upper end by melting, a tulip-shaped lower end of said tubular breaking lever connected by melting with the wall of the narrowed part of the ampulla body to form a partition separating the two parts of the ampulla, a filling of glass in said tubular breaking lever above the lower end of the same, a circular incision being made in the other surface of the tubular breaking lever below said thickened part so that said breaking lever can be easily broken at this incision to form a narrow opening in the partition through which the liquid from the upper compartment is sucked in a thin jet into the lower compartment the mixture in this lower compartment being then strongly shaken to be sucked out by means of a syringe after the upper part of the ampulla has broken off below said partition.

1,585,913. METHOD OF AND APPARATUS FOR SEALING MOUNTS IN ELECTRIC LAMPS. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 4, 1921. Serial No. 475,086. 44 Claims. (Cl. 49—2.)



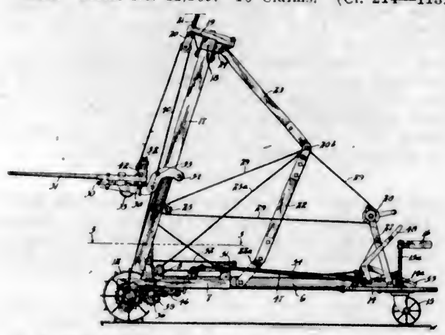
1. A head for a sealing-in machine comprising means for supporting a bulb, means for supporting a mount and positively rectilinearly operable means for separating the waste glass from the bulb.

1,585,914. SUCKER-ROD HANGER. JAMES E. HITCHCOCK, Torrance, Calif. Filed Nov. 17, 1924. Serial No. 750,324. 7 Claims. (Cl. 211—14.)



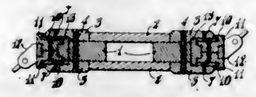
1. A hanger for rods, or the like, comprising; a disc-like intermediate element provided with means for connecting the same to a primary support and having an uninterrupted edge; a plurality of open jaw rod grabs; and flexible means below said disc-like element for securing said grabs separately to said intermediate element while permitting relative movement therebetween.

1,585,915. HAY AND GRAIN STACKER AND LOADER. GEORGE E. HOHAUS, Forman, N. Dak. Filed July 2, 1925. Serial No. 41,109. 10 Claims. (Cl. 214—113.)



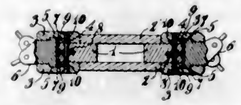
1. A device of the character described having in combination a frame supported on wheels, a rotary axle shaft extending between a pair of said wheels, a gathering receptacle mounted for elevation on said frame, a winding shaft mounted substantially parallel to said axle shaft in said frame, and having driving engagement with said axle shaft, a flexible member secured at one end to said winding shaft adapted to elevate said gathering receptacle and means for moving one of said shafts towards or from the other of said shafts to make or break the driving connection therebetween.

1,585,916. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 19, 1921. Serial No. 508,791. 21 Claims. (Cl. 262—30.)



1. In combination, a cutter bar, a longitudinally disposed laterally extending gib thereon, means for holding said gib rigidly to said bar, and supplemental means including an element movable in a path parallel to the plane of said bar for supplementing the resistance of said first mentioned holding means to a prying movement in a direction transverse to the plane of said bar.

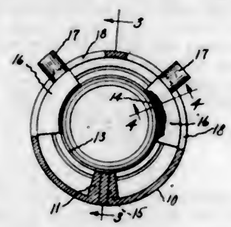
1,585,917. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 19, 1921. Serial No. 508,792. 18 Claims. (Cl. 262—30.)



1. A cutter bar including a gib rigidly connected thereto and forming a cutter chain guide, means operating to hold said gib rigidly connected to said bar, and supplemental means for interlocking said gib and said bar having portions respectively interlocking with said gib and with said bar.

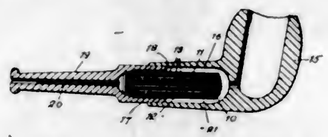
1,585,918. BEVELING AND SEALING CLAMP. WILLIAM F. IRRGANG, Chicopee, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 12, 1925. Serial No. 49,689. 3 Claims. (Cl. 18—43.)

1. A beveling and sealing clamp for use on rubber tubes which comprises an outer casing, an inner flexible band secured in the casing and formed as the frustum of a cone, and means retained by the casing and engaging the



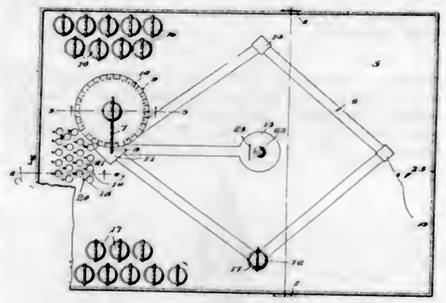
band frictionally so that when the band is contracted upon a rubber tube such friction will of itself hold the clamp closed.

1,585,919. PERCOLATOR. JAMES A. IRVING, New York, N. Y., assignor, by direct and mesne assignments, to Percolator Pipe Co., Inc., a Corporation of New York. Filed June 13, 1919. Serial No. 303,968. 5 Claims. (Cl. 131—12.)



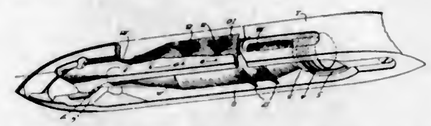
2. The process of preparing a percolating element consisting in clearing out more or less completely the longitudinally extending perforations in a vegetable substance, and in then carbonizing the walls of the perforations.

1,585,920. BASEBALL GAME. EMORY A. ISABELLE, Chicopee, and HARRY J. NEWELL, Springfield, Mass. Filed Aug. 14, 1925. Serial No. 50,228. 2 Claims. (Cl. 273—93.)



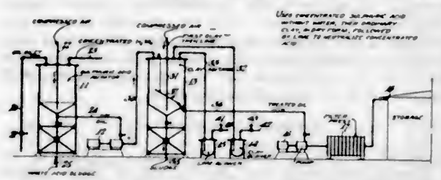
1. In a baseball game, the combination with a game board, of a baseball diamond upon said board including a home plate and a pitcher's box, the latter being disposed within the diamond, a plurality of offensive game pieces adapted to be movably positioned upon said diamond, a revolvable player mounted on said board adjacent the home plate to rotate about a vertical axis, said player being provided with a downwardly extending indicating arm adapted to have its free end travel over said home plate, a dial located on the board and arranged concentrically relative to said player, said dial including "playing" indicia for cooperation with the indicator to determine the movements and status of the game pieces, and an independent surface projectile operated from the pitcher's box for striking the indicator to rotate the same about the dial.

1,585,921. SHUTTLE. ROBERT JAMIESON, Utica, N. Y., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 21, 1926. Serial No. 82,707. 10 Claims. (Cl. 139—213.)



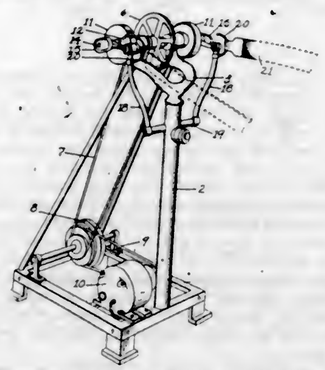
1. In a shuttle having a thread delivery control for engagement with the thread on the filling carrier, the combination of a flexible strip of material secured to the shuttle at one side of the filling carrier, and brushes acting to maintain the flexible strip against the filling on the filling carrier during weaving.

1,585,922. METHOD OF USING CONCENTRATED DECOLORIZING CLAYS FOR REFINING LUBRICATING OILS. ALPHONSUS JURRISSEN, Martinez, Calif., assignor to Simplex Refining Company, San Francisco, Calif., a Corporation of California. Filed May 31, 1921. Serial No. 473,746. 2 Claims. (Cl. 196—38.)



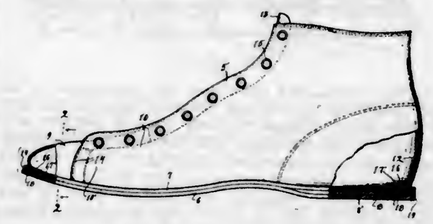
2. A method of treating petroleum oils which comprises: adding sulphuric acid to the oil; adding decolorizing clay; and neutralizing with an alkali, the oil sulphuric acid, and alkali all being substantially free from water.

1,585,923. MASSAGING MACHINE. JOHN H. KELLOGG and NORRIS E. GOODRICH, Battle Creek, Mich., assignors to Sanitarium Equipment Company, Battle Creek, Mich. Filed Apr. 21, 1924. Serial No. 707,986. 6 Claims. (Cl. 128—63.)



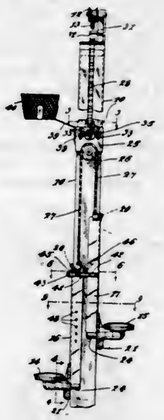
1. In a massaging machine, the combination of a base, an upright mounted thereon and provided with a forked bearing bracket at its upper end, bearings on the arm of said bracket, a shaft mounted in said bearings to project therefrom and provided with a pulley disposed between the arms, crank discs mounted on the ends of said shaft and having radial grooves therein, crank pins adjustably secured in said grooves, a cross arm on said upright, swinging arms pivotally mounted on said cross arms, said rocker arms being provided with curved rearwardly facing hooks, pitmen connecting said crank pins to said swinging arms, and an applicator detachably engageable with said hooks.

1,585,924. FLEXIBLE SHOE. CHESTER J. KRAUTHOEFER, Milwaukee, Wis. Filed Mar. 3, 1921. Serial No. 449,432. 3 Claims. (Cl. 36—17.)



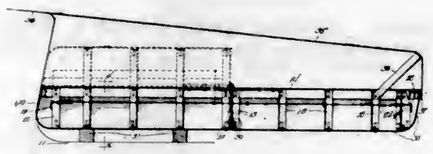
1. A turned shoe construction, comprising an inner sole member extending the length of the shoe and having a recessed portion forming a vertical shoulder adjacent its upper side edge that extends entirely around the periphery of the sole and heel portion of the shoe but terminates short of the edge of the sole and heel portion, an upper member including a heel portion having inturned lower edge portions which extend into the recess with the edges of the inturned portions abutting the shoulder and the upper surface of the inturned portion lying substantially flush with the upper surface of the sole member throughout the entire length of the recess, a line of stitching extending through the inner sole and the inturned lower edge portions of the upper, and outer sole positioned against the outer side of the inner sole, and means securing the two soles together.

1,585,925. CLIMBING DEVICE. RICHARD LABORDA, Brooklyn, N. Y. Filed June 19, 1925. Serial No. 38,211. 10 Claims. (Cl. 227—8.)



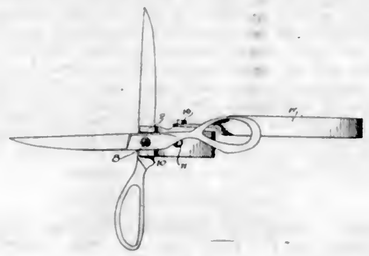
1. A climbing device comprising a support, members slidably mounted on opposite sides of said support, a counterweight, and connecting means between said members and the counterweight including a flexible element attached at its ends to the respective members and permitting of their alternate sliding movement in the same direction along the support.

1,585,926. FOLDING BED AND BOAT ATTACHMENT FOR AUTOMOBILES. LUDGER LAUZON, Chicago, Ill. Filed Mar. 5, 1925. Serial No. 13,332. 3 Claims. (Cl. 5—119.)



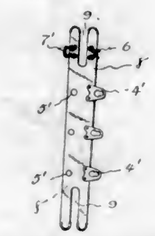
1. In a folding bed attachment for automobiles, a bed box comprising two sections hingedly joined at the tops of their abutting edges, a frame for said bed box comprising a rail at the upper edge thereof, transversely extending ribs, an imperforate covering of sheet material forming the sides and bottom of said box on said ribs, means for snugly securing the abutting edges of said sections together and a flexible bed supporting member removably supported within said bed box.

1,585,927. SCISSORS GAUGE. FRANK J. LEWIS, Winner, S. Dak. Filed June 13, 1923. Serial No. 645,113. 6 Claims. (Cl. 51—218.)



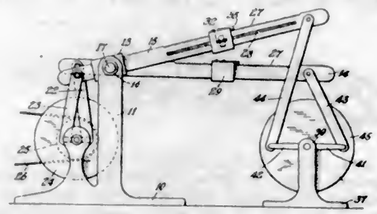
1. In a scissors gauge, coacting integral jaws, one of which is bifurcated, the furcations of the one jaw extending across the other jaw and being adapted to clamp a scissors blade between them, means for moving the clamping jaws toward each other and holding them in said adjusted position, a handle, and means for pivotally connecting the handle to the jaws.

1,585,928. CORSET, GIRDLE, AND THE LIKE. CHARLES F. LITTLEJOHN, New Haven, Conn. Filed Sept. 15, 1925. Serial No. 56,424. 2 Claims. (Cl. 2—38.)



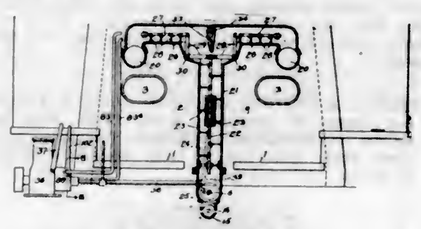
1. In a corset or girdle as described, an intermediate separable member adapted to form a connection between the ends of the corset or girdle, said member being composed of flexible sheet material and said member having vertical open slotted ends whereby increased flexibility of said member at said ends is obtained.

1,585,929. GOVERNOR. PAUL LOESSEL, Elizabeth, N. J. Filed Apr. 13, 1925. Serial No. 22,889. 1 Claim. (Cl. 74—14.)



In a governor having fulcrumed levers, lever balancing means comprising blocks adapted to be adjusted longitudinally on said levers, said levers having a linear line of serrations extending longitudinally thereon intermediate their width, said blocks comprising hollow members slidably mounted on the fulcrumed levers, rollers rotatably mounted in the sides of the blocks, the peripheries of said rollers being serrated, the serrated peripheries of the rollers engaging the serrations on the levers to move the hollow blocks longitudinally thereon, fingers mounted on said blocks, teeth on one edge of said fulcrumed levers, fingers on said blocks, one end of said fingers projecting from the blocks and engaging said teeth on the fulcrumed bar to releasably secure said hollow blocks in position on the lever.

1,585,930. LOCOMOTIVE STOKER. NATHAN M. LOWER, Pittsburgh, Pa. Filed July 22, 1919. Serial No. 312,628. 4 Claims. (Cl. 110—101.)

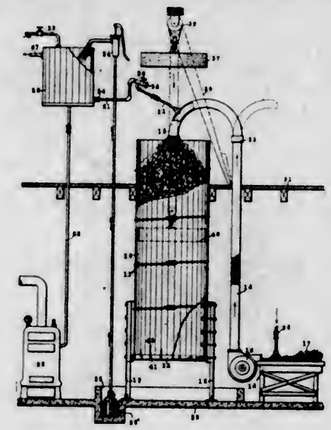


1. In locomotive stoker mechanism, in combination, a fire box, a plurality of devices for feeding fuel into the fire box above the level of the fire therein, a tender having a fuel bin, a single forwardly feeding conduit receiving from said fuel bin, an upstanding elevator receiving fuel from said conduit and elevating it to a level above the fire, and laterally extending branches receiving the fuel from the upper end of said elevator and delivering it to said plurality of feeding devices.

1,585,931. FEED PROCESSING APPARATUS. CHARLES R. MABEE, Buffalo, N. Y., assignor to Mabee Patents Corporation, Dover, Del., a Corporation of Delaware. Filed June 20, 1925. Serial No. 38,439. 10 Claims. (Cl. 99—2.)

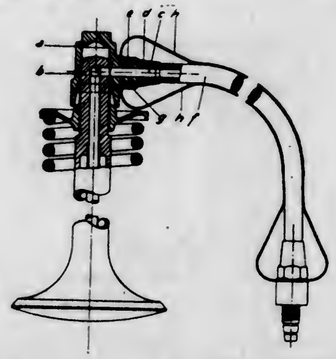
8. In fermenting apparatus adapted for processing cattle feed and the like, the combination with a fermenter having open ends, of an elevator-column for introducing comminuted material to be processed at the upper end, and a movable weight adapted to be introduced at will into the upper end, whereby said fermentation process may take place under pressure.

10. In fermenting apparatus adapted for processing cattle feed and the like, the combination with an open-ended fermenter, of means disposed about the periphery of the lower end arranged for supporting individual portions of the processed feed in the lower end of the fermenter,



said means comprising independently removable elements whereby desired portions of the processed feed may be removed at will.

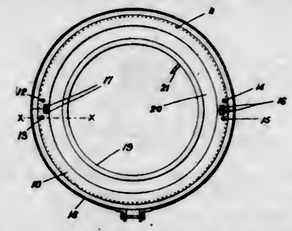
1,585,932. VALVE-COOLING DEVICE. FRANZ LOUIS MÄDLER, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio, a Corporation of Maryland. Filed Apr. 6, 1921. Serial No. 459,195. 3 Claims. (Cl. 137—90.)



1. In an internal combustion engine, the combination of a vibratory member, a relatively fixed member, a flexible tube connected at its ends to said members, and a pair of leaf springs attached to said members and frictionally engaging said tube on opposite sides along the greater portion of its length, whereby said tube is free to move in the plane of movement of said vibratory member but is effectively prevented from oscillating in any other plane.

1,585,933. RETREADING OF PNEUMATIC TIRES. LINDSAY MILLER, Fremantle, Western Australia, Australia. Filed Dec. 27, 1923. Serial No. 682,905. 1 Claim. (Cl. 18—38.)

An apparatus for the retreading of pneumatic tires comprising the combination of a plurality of metal sections adapted to surround the tire, a one-piece tightening band separate from said sections and surrounding them, means to clamp the band tightly around the sections thereby to retain them in place, two pairs of eyelets and co-operat-

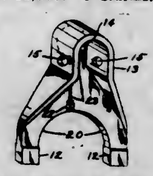


ing pins for retaining the sections in juxtaposition, a rim to hold the tire in position, and a tube that is maintained inflated during the cooking operation.

1,585,934. DIAGNOSTIC NEEDLE. JOSEPH MUIR, New York, N. Y., assignor to The Radium Emanation Corporation, New York, N. Y. Filed Dec. 29, 1923. Serial No. 683,359. 1 Claim. (Cl. 128—2.)

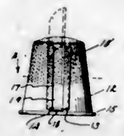
A diagnostic instrument comprising a sheath having an opening in its side and a needle rotatably received within the sheath and having a pocket in its side to be presented at the opening in one position of rotation of the needle and closed by the wall of the sheath in another position of rotation of the needle, the pocket being defined by walls occupying planes at an acute angle to each other, one of said walls being eccentrically offset with relation to the axis of the needle, and the other wall being substantially in a plane diametric to the axis of the needle.

1,585,935. LEVER. JOHN I. MUNCY, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 6, 1925. Serial No. 41,679. 6 Claims. (Cl. 74—5.)



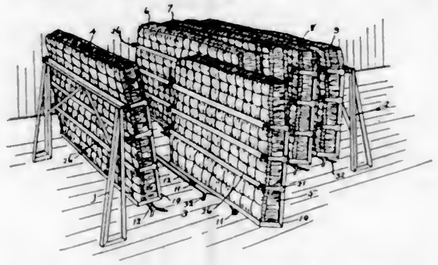
1. The method of forming a lever from sheet metal comprising stamping a blank portion therefrom, forming a centrally positioned flange thereon perpendicular to the plane of said blank, and bending said blank portion in a plane transversely to its edges to bring the opposite ends of one edge into adjacent relationship, and thereafter securing said ends together.

1,585,936. THIMBLE. ADOLPH OLEVIN, Highland Park, Mich. Filed Nov. 22, 1922. Serial No. 602,496. 3 Claims. (Cl. 30—14.)



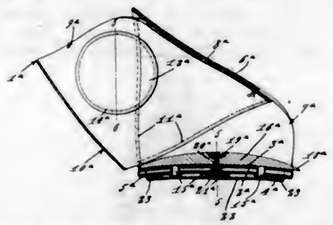
1. A thimble of the class described comprising a main body portion having channel formed guide members punched therefrom and provided with an integral rib projecting between said guide members, said rib lying in its original position and said guide members being pressed outwardly of the periphery of the main body of said thimble; a cutting element slidably mounted in said channels, said cutting element having a recess formed on the inner side thereof; and an abutment member punched from said rib and adapted for engagement in said recess upon the movement of said cutting element to a predetermined position.

1,585,937. MATTRESS-DISPLAY RACK. EDWARD C. PAUL, Elkhart, Ind. Filed Mar. 23, 1921. Serial No. 454,881. 7 Claims. (Cl. 211—14.)



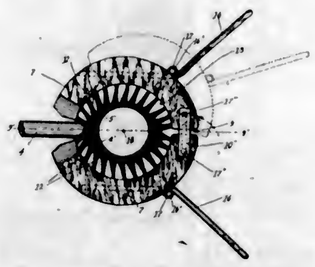
1. A mattress display rack comprising a plurality of tiltably mounted upstanding box-like frame elements arranged in laminated relation, said frame elements being adapted to be tilted singly away from the mass of frame elements for successive exposition of each frame element; means for securing a mattress within each frame element; and means beneath each frame element to enable transverse movement thereof relatively to the mass of frame elements after exposition thereof.

1,585,938. ANKLE SUPPORT. ISAAC M. PEASE, Cincinnati, Ohio. Filed July 11, 1923. Serial No. 650,919. 1 Claim. (Cl. 128—166.)



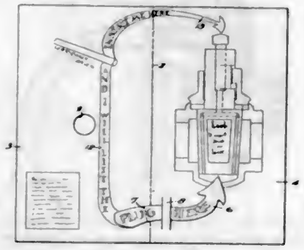
A device of the class described, comprising a band, crossed upon itself and secured at its point of crossing to form a foot socket and an ankle support, the bottom portion of the foot socket being provided with spaced openings, a pad within the foot socket and located on the bottom portion of the foot socket, and a fastener mounted on the pad and adapted to be mounted in any of the openings, and a flexible guard extended across the lower end of the fastener, the guard being secured at its ends to the socket, and the sides of the guard being free, to give access to the lower end of the fastener.

1,585,939. BRUSH. WILLIAM G. ROEPKE, Hudson, Wis. Filed Nov. 18, 1922. Serial No. 601,738. 5 Claims. (Cl. 15—160.)



1. A brush comprising a plurality of complementary, arcuate brush members, pivoted connection between said brush members, and a handle connected to each brush member, said handles extending divergently beyond said pivoted connection.

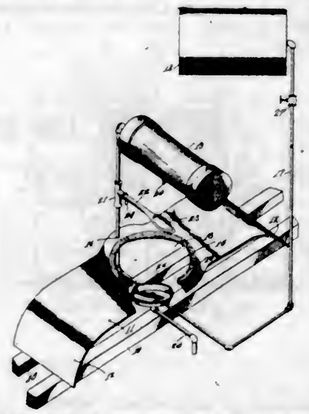
1,585,940. ADVERTISING DEVICE. HERBERT S. SHUEY, Piedmont, Calif., assignor to The Merrill Company, San Francisco, Calif., a Corporation of California. Filed Feb. 18, 1924. Serial No. 693,533. 1 Claim. (Cl. 46—37.)



An advertising device comprising a folded sheet, printed matter on the inside of one fold representing a mechanical device one of the mechanical elements of which is of particular interest, a creased movable arm in the form of an arrow secured at its one end to the other fold and extending across the fold line of said sheet, the crease in said arm being misalined with the fold line of said sheet, means for retaining the free end of said arm contiguous with said sheet, the head of the arrow being arranged so that when said sheet is opened the arrow head is moved from a position at one side of said printed matter to a position to point toward the mechanical element of particular interest.

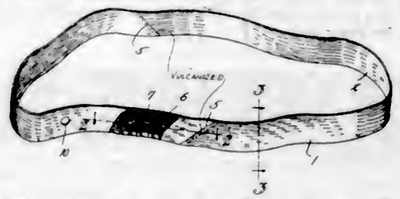
1,585,941. OIL BURNER. ELMER C. SIEBERT, Freeburg, Ill. Filed Sept. 23, 1925. Serial No. 58,141. 3 Claims. (Cl. 158—63.)

1. A liquid fuel burner including a support having an opening, a wick surrounding said opening, a generating chamber supported above the opening, a nipple on the generating chamber for discharging liquid fuel centrally of said opening, means for delivering liquid fuel to the



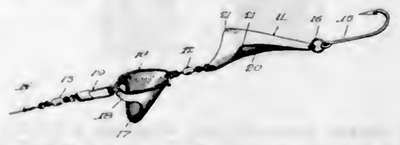
chamber, and means supported on the fuel delivering means for receiving fuel from the said nipple and conveying same to said wick.

1,585,942. ENDLESS FLAP. ANDREW J. STEPHENS, Kansas City, Mo. Filed Apr. 9, 1925. Serial No. 21,958. 1 Claim. (Cl. 152—20.)



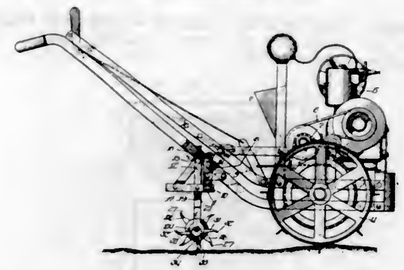
A flap adapted to be placed about a wheel rim and comprising layers, each of which consists of a strip of fabric cut on the bias and coated on both sides with calendered rubber, the ends of each layer being overlapped and vulcanized together, and the joints formed by the overlapped ends of the respective layers being spaced apart circumferentially of the flap, a band of fibre compound disposed between the layers and having its ends overlapped, the joint formed by the overlapped ends of the band being disposed between the said joints of the layers, circumferentially of the flap, the band being narrower than the layers, and the layers being vulcanized together on each side of the band.

1,585,943. ARTIFICIAL BAIT. PAUL B. STREICH, Joliet, Ill., assignor to Streich Manufacturing Co., Joliet, Ill., a Corporation of Illinois. Filed Nov. 4, 1925. Serial No. 66,692. 8 Claims. (Cl. 43—42.)



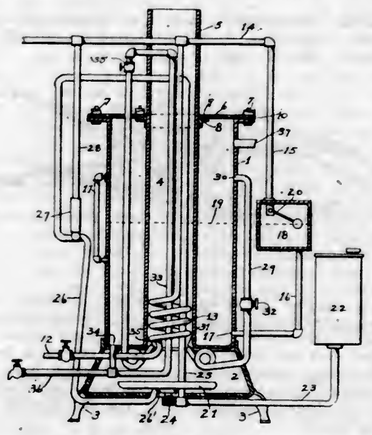
3. Artificial bait comprising a front piece and a back piece, a swivel connection between the rear end of the front piece and front end of the back piece, and fish line connection at the front end of the front piece, each piece being formed with a trough like body, the bottom face of which is inclined with respect to the length of the body.

1,585,944. SELF-CLEANING HOE. GEORGE T. STRITE, Port Washington, Wis., assignor of two-thirds to Harry W. Bolens, Port Washington, Wis. Filed July 2, 1923. Serial No. 648,923. 5 Claims. (Cl. 97—216.)



1. In a soil working implement, a plurality of spaced series of soil engaging members adapted for movement into and out of engagement with the soil, the members of each series being alternately placed between those of another series, and means whereby the spacing between the series is changed during the movement.

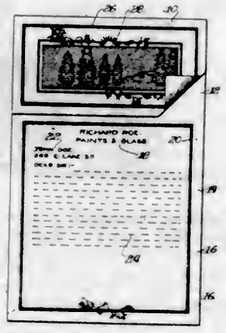
1,585,945. COMBINATION HEATING AND POWER APPARATUS. SAMUEL SWEENEY, Sharpsburg, Pa. Filed Jan. 6, 1923. Serial No. 611,075. 1 Claim. (Cl. 122—169.)



In combination an apparatus of the character described comprising a cylindrical boiler provided with a centrally disposed vertical passage extending throughout the length of the boiler and projecting above the upper end of the latter, a combustion chamber arranged below said boiler, a heating element mounted in said combustion chamber, a water supply conduit extending through said passage and having the lower portion thereof coiled and positioned adjacent to said heating element for supplying heated water to said boiler, means connected in said water supply conduit exteriorly of said boiler for regulating the water supply to said boiler, a liquid fuel reservoir mounted in an elevated position relatively to said heating element, a fuel supply pipe connecting said reservoir with said heating element, said fuel supply pipe provided with a communicating extension conduit extending through said passage and adapted to be heated for vaporizing said liquid fuel, said extension conduit communicating with said heating element, means for automatically controlling the vaporized fuel supply to said heating element, and a steam supply conduit communicating with said boiler,

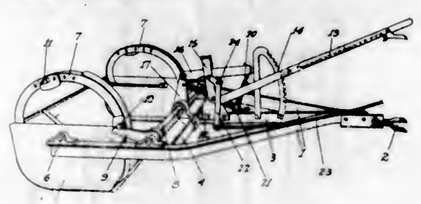
and with the lower end of said passage for dissipating the products of combustion from said heating element, substantially as described and for the purpose set forth.

1,585,946. STATIONERY. HILMER V. SWENSON, Chicago, Ill. Filed Nov. 19, 1923. Serial No. 675,646. 9 Claims. (Cl. 283—56.)



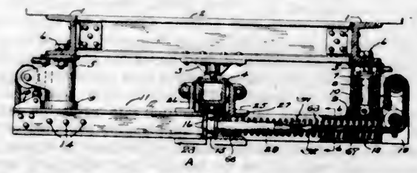
1. A letter sheet having a fold extending downwardly from the top of the sheet, the letterhead being on the body of the sheet below the fold, and ornamentation on the outer face of the fold.

1,585,947. SCRAPER. DAMON R. THROOP, Stockton, Calif. Filed Nov. 3, 1925. Serial No. 66,438. 13 Claims. (Cl. 37—140.)



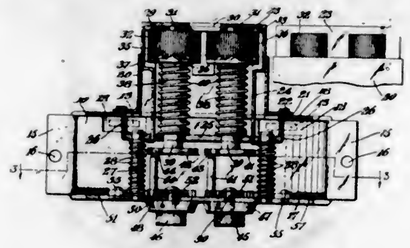
1. A scraper including a pivotally mounted bowl, means including an adjustable lever for controlling the scraping position of the bowl, and means independent of the lever but releasably connected therewith to normally prevent rotation of the bowl, but which, upon being released from engagement with the lever, will allow the bowl to rotate independently of the set position fixed by the lever.

1,585,948. SUPPORTING AND CENTERING DEVICE FOR CAR COUPLERS. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed Nov. 21, 1924. Serial No. 751,204. 28 Claims. (Cl. 213—21.)



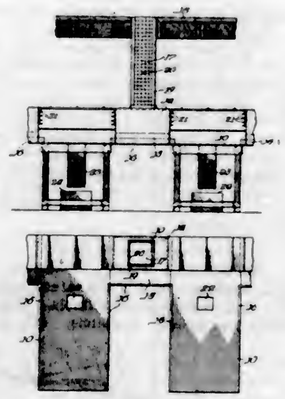
1. A combined supporting and centering device for couplers comprising mechanism for moving the supporting and centering elements either into or out of operative relation with the coupler.

1,585,949. COMBINATION LOCK FOR BAGS. HUGO TUECKMANTEL, Newark, N. J., assignor to The T. & L. Co. Inc., Newark, N. J., a Corporation of New Jersey. Filed Dec. 24, 1925. Serial No. 77,478. 7 Claims. (Cl. 70—53.)



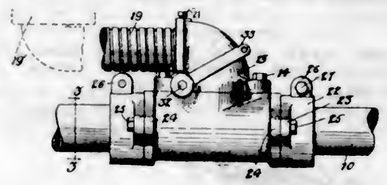
1. A combination lock for bags comprising a casing, a plunger slidably mounted therein, bolts carried by said plunger, means for normally retaining said bolts in locked position, a pair of cylinders rotatable in said plunger, a disc having a single perforation carried by each of said cylinders, characters on said cylinders disposed relatively to the perforations in said discs, dials revoluble on said casing in axial alinement with said cylinders, and posts fixed in said dials movable into and out of registration with the perforations in said discs, whereby said plunger may be controlled.

1,585,950. PACKING-HOUSE EQUIPMENT. FRANK S. VARNEY, Eastport, Me., assignor to Booth Fisheries Company, Chicago, Ill., a Corporation of Delawnre. Filed Nov. 7, 1924. Serial No. 748,443. 9 Claims. (Cl. 226—2.)



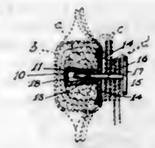
1. Packing house equipment, comprising a plurality of tables arranged in spaced relation to and parallel with each other, supporting shelves connecting said tables at one of their ends, a vertically disclosed chute arranged above each of said shelves for supplying containers thereto for access to the working space between the tables, and means arranged between said chutes, whereby supplies of the product to be packed may be positioned at the respective tables.

1,585,951. PIPE COUPLING. OTIS L. WALLER, Dubuque, Iowa. Filed Dec. 30, 1924. Serial No. 758,886. 5 Claims. (Cl. 285—77.)



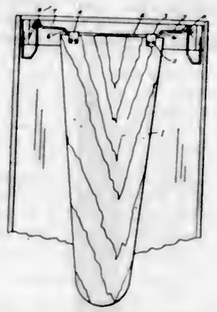
1. A pipe connection comprising a split ring of flexible material adapted to encircle the pipe, and a split collar adapted to encircle the ring and clamp the same to form a tight connection with the pipe.

1,585,952. NECKTIE FASTENING. LORTON A. WESTERVELT, Reading, Pa. Filed Sept. 24, 1925. Serial No. 58,431. 1 Claim. (Cl. 2—154.)



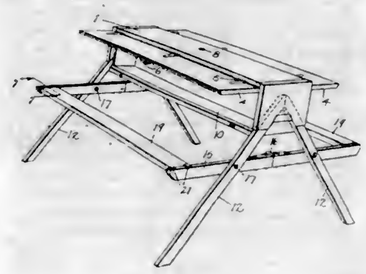
A stud engaging necktie comprising a made-up fabric tie having a spring clip imbedded therein and secured thereto, said clip consisting of a strip of resilient material bent about midway between its ends into U-shape, to provide opposite jaws forming substantially straight parallel surfaces adapted to engage and grip a flat stud and hold the tie in fixed position, the bent portion of said clip being arranged in close proximity to the front surface of the tie, to permit the rear surface of the tie to snugly engage a collar when the tie is worn.

1,585,953. IRONING-BOARD ATTACHMENT FOR WARDROBE TRUNKS. GEORGE HENRY WHEARY, Racine, Wis. Filed Jan. 26, 1923. Serial No. 615,085. 7 Claims. (Cl. 190—13.)



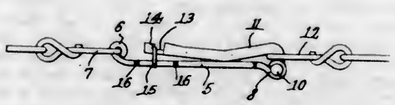
7. The combination with a wardrobe trunk section provided with trolley rods of a supporting rod having hook-shaped extremities adapted to engage said trolley rods on either the upper or lower side thereof, and an ironing board having its rear margin rotatably secured to the central portions of said rod whereby the latter may serve as a hanger member to support the board in either a vertical or a horizontal plane.

1,585,954. CAMPING TABLE. FRANCIS O. WIDMARK, Ludington, Mich. Filed Apr. 9, 1925. Serial No. 21,842. 11 Claims. (Cl. 190—12.)



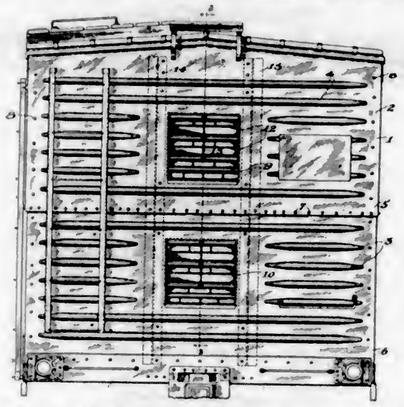
1. In a structure of the class described, the combination of a cabinet having rigidly connected top, bottom and end walls, doors hinged at their upper edges to said top to be swung to horizontal position to constitute top members, a supporting bar pivoted to the underside of said top to be swung transversely thereto to support the doors in horizontal position, pairs of legs hinged at their upper ends to be collapsed to parallel relation or extended to downwardly diverging relation with their hinged ends abutting, pairs of seat supporting arms pivotally mounted on the inner sides of the legs and hinged to each other so that when extended their ends are in abutting relation, and so that they may be collapsed into parallel relation on said legs, said seat supporting arms constituting braces for said legs when extended, downwardly facing A-shaped leg pockets at the ends of said cabinet adapted to receive the upper ends of the extended legs, seats having tenons on their ends, and seat supporting hooks mounted in spaced relation to the inner sides of said seat supporting arms to receive said tenons whereby said seats are laterally supported, said seats having lugs on their undersides engaging said hooks whereby the seats constitute bracing and the members for the pairs of legs, said cabinet having a side compartment adapted to receive the seats and the collapsed legs.

1,585,955. AUTO TIRE CHAIN LOCK. HENRY I. WILLIS, Colfax, Wash., assignor of one-third to Floyd R. Burch, Colfax, Wash. Filed Feb. 8, 1926. Serial No. 86,852. 1 Claim. (Cl. 24—69.)



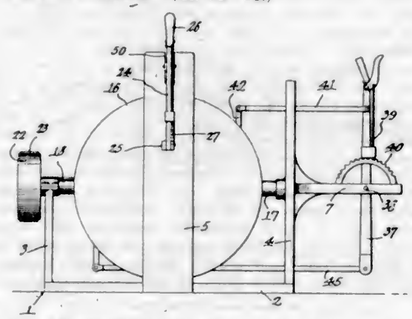
A fastening device of the class described comprising a body portion, said body portion having an eye formed at one end thereof and having a bearing opening formed at the other end thereof, a lever having a pivot pin adapted to be positioned in the bearing opening, said lever being curved intermediate its ends, the curved portion of the lever adapted to normally contact with the body portion, said lever having a cut out portion adjacent to one end thereof and providing a keeper, said lever adapted to engage a link of a chain, and a link carried by the body portion and adapted to be positioned in the cut out portion of the lever to lock the lever against movement.

1,585,956. VENTILATED STEEL END FOR FREIGHT CARS. WILLIAM E. WINE, Toledo, Ohio. Filed Mar. 30, 1925. Serial No. 19,357. 7 Claims. (Cl. 105—355.)



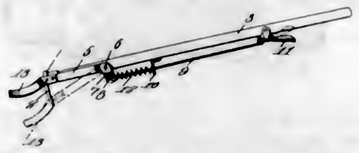
1. A car having a steel end, said end provided with an opening, a ventilator within said opening, angular shaped metal bars secured to the inner surface of said steel end adjacent said opening, and the said ventilator rigidly secured to said metal bars.

1,585,957. FRICTION GEAR. AMOS A. AMSTUTZ, Silverton, Oreg. Filed Jan. 25, 1926. Serial No. 83,746. 2 Claims. (Cl. 74—26.)



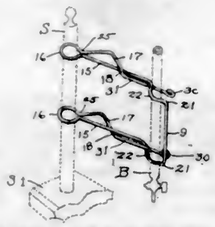
1. In a device of the class described, a support, a drive shaft journaled at its ends in the support, first and second axially alined shafts carried at their outer ends on the support and located on opposite sides of the drive shaft at right angles thereto, the support embodying means located on opposite sides of the drive shaft for carrying the inner ends of the axially alined shafts, a first friction wheel splined to the drive shaft to rotate therewith and to slide theralong, a second friction wheel mounted on the drive shaft to rotate thereon and to slide therealong, first and second friction disks engaged peripherally with the inner surfaces of the friction wheels, the first friction disk being mounted to rotate on the first of the axially alined shafts to rotate thereon and to slide therealong, the second friction disk being splined to the second of the axially alined shafts to rotate therewith and to slide therealong, means for applying power to the drive shaft, means for taking power from the second of the axially alined shafts, means for moving the friction wheels into and out of engagement with the friction disks, an upstanding connection wherein a part of the first friction disk is journaled, a depending connection wherein a part of the second friction disk is journaled, an operating lever fulcrumed intermediate its ends on the support, and upper and lower links guided in the support, the inner ends of the upper and lower links being joined, respectively, to the upstanding and depending connections, and the outer ends of the upper and lower links being pivoted to the lever on opposite sides of its fulcrum.

1,585,958. RAKE. EDWARD S. ANDERSON, Mabel, Minn. Filed Feb. 2, 1924. Serial No. 690,260. 1 Claim. (Cl. 55—146.)



The combination with the toothed head and handle of a rake, of runners mounted to move relative to the head and handle, means for producing relative movement of the runners and head for bringing the runners into contact with the ground and elevating the head, and means fixed relative to the runners for stripping material from the toothed head during the elevation of the head.

1,585,959. AUTOMATIC AND ADJUSTABLE BURETTE AND FUNNEL HOLDER. WALTER SANFORD AVERY, Knoxville, Tenn. Filed Aug. 31, 1923. Serial No. 660,381. 3 Claims. (Cl. 211—24.)

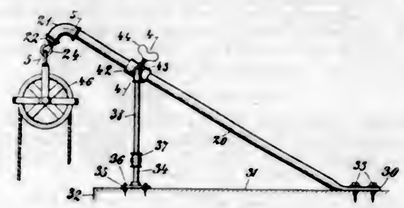


1. A clamp as herein characterized comprising a single piece of wire bent upon itself to form upper and lower expansible loops adapted to resiliently and adjustably engage a supporting standard said wire extending laterally from said loops to form upper and lower arms, said arms having a portion bent in a horizontal plane to define expansible loops adapted to receive and clamp cylindrical articles, said upper and lower arms connected at their outer ends by an uprightly disposed bar.

1,585,960. BASEBOARD AND SHOE MOLD. ISAAC ALBERT BAUM, Memphis, Tenn. Filed Sept. 22, 1925. Serial No. 57,969. 2 Claims. (Cl. 20—74.)

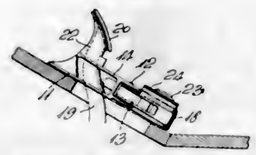
1. A base-board having a bevel along the floor edge on the outside forming a space along the floor, and a shoe-mold occupying said space having a similar bevel on the top edge and back side, said bevels producing a wedging action against the baseboard driving it against a wall as the shoe-mold is driven in place upon a floor causing a tight joint between both the base-board and shoe-mold and the shoe-mold and the adjacent floor surface.

1,585,961. ADJUSTABLE CRANE. ABRAHAM S. BLUM and MORRIS BLOOM, Jersey City, N. J. Filed Apr. 14, 1924. Serial No. 706,390. 3 Claims. (Cl. 254—142.)



1. In a pipe structure for a crane the combination of a stationary post, a cross connected to the upper end of the stationary post and adapted to swing relatively thereto, a jib extending through said cross and means to clamp it thereto in different positions.

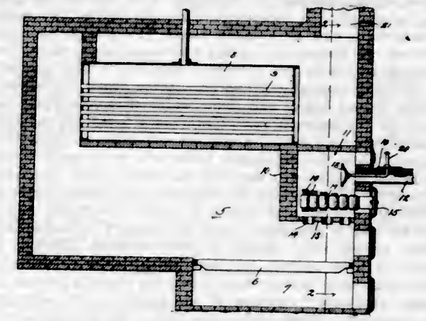
1,585,962. CLUTCH-LEVER-RETAINING DEVICE. WILLIAM J. BRAY, Lynchburg, Va. Filed Feb. 21, 1925. Serial No. 10,934. 1 Claim. (Cl. 70—128.)



In a retaining device for clutch levers, arms having upstanding portions with edges adapted to conform to and engage the under surface of a foot plate of a clutch lever and operative to practically fill the space between the under surface of said foot plate and the floor board of an automobile, the said arms and upstanding portions being complementally recessed to receive the shank of the clutch lever, a pivot connecting the said arms, an extension on each arm beyond the pivot, a stud having a flanged head anchored to and extending from one of the said extensions, a housing having an aperture to receive the stud on the other extension, and a lock located in the housing and having a latch to engage the head of the stud for holding the arms in positions embracing the shank of the clutch lever, substantially as described.

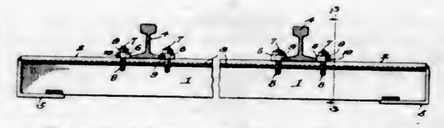
1,585,963. SMOKE CONSUMER. ALEXANDER R. CLARK, Petoskey, Mich. Filed Sept. 30, 1925. Serial No. 59,643. 3 Claims. (Cl. 110—75.)

1. In a device of the character described, a furnace including a firebox, an air chamber arranged within the firebox, and supported adjacent to the forward end thereof, a plurality of vertical tubes within the air chamber, and arranged in spaced relation with the bottom of the air chamber, pipes extending through the body of the



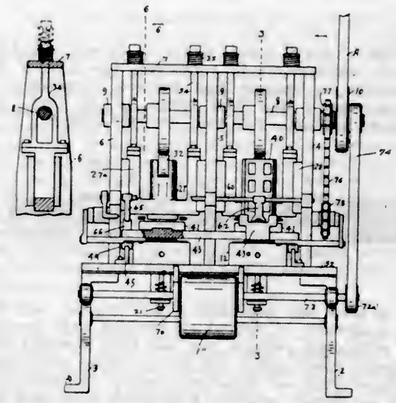
air chamber and establishing communication between the firebox and air chamber, and means for directing an air blast to the air chamber to feed the firebox.

1,585,964. RAIL FASTENER. WILLIAM DALTON, Schenectady, N. Y. Filed July 24, 1925. Serial No. 45,814. 4 Claims. (Cl. 238—67.)



4. Means for adjustably and removably securing rails to metal ties, comprising a retainer bar on each side of the rail, bolts for clamping said bars to the tie, the bar on the inside overlapping the rail flange and the bar on the outside presenting a plane vertical face to the rail flange, and means between said outside bar and the tie to resist lateral thrust.

1,585,965. BLANK-FEEDING MECHANISM FOR PRESSING MACHINES. HARRY A. DWYER, Marion, Ind. Filed May 17, 1924. Serial No. 714,161. 11 Claims. (Cl. 271—1.)



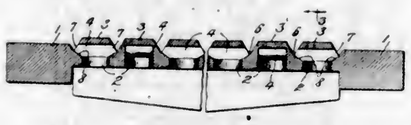
1. A frame, a driving shaft, a rack in which to retain a supply of blanks, a throat piece underneath the rack, a reciprocable table having a mouth to register underneath the throat piece when the table is at retracted position, a movable support on a plane above that of the

throat piece and having prongs to extend beyond the inner edge of the throat piece and which said support when moved operates to withdraw said prongs clear of the throat piece, a segregator blade carried by the table intermediate and at a plane above the prongs, to pass between the blanks and bridge the throat piece when the table is moved to the projected position, a deck carried by the table centrally of and on a plane above the bottom of the throat piece, and upon which deck the blank is received, the forward end of said deck being beyond the nose of the said blade, a trip on the table to move the support when the segregator blade will have reached the projected position and whereby the blank which has been segregated is permitted to drop into the throat piece, a pallet operable at said mouth to support the blank at an incline, and to gradually lower the blank to a horizontal plane as the table moves to the projected position, a finger to hold against the lowermost blanks to prevent their transverse displacement when the blade is retracted, means to cause retraction of the finger at the moment the segregator blade leaves the throat piece, and power transmitting connections between the driving shaft and the table.

1,585,966. CALENDAR. THOMAS M. EAGAN, Detroit, Mich. Filed Sept. 11, 1925. Serial No. 55,707. 3 Claims. (Cl. 40—108.)

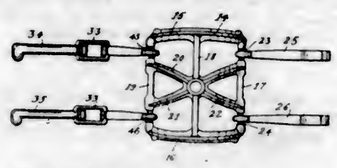
1. A unit comprising a cylindrical cap apertured in its end wall, a disk in the cap engaging the end wall and having a portion visible through the end wall, and a pair of ring-shaped superposed disks surrounding the first disk, the outer one of the pair engaging the end wall of the cap and having angularly-spaced apertures, portions of the outer one of the pair being visible through the end wall of the cap and portions of the inner one being visible through the end wall of the cap and through said apertures, the superposed disks being substantially equal in thickness to the first disk.

1,585,967. GRATE BAR. HENRY K. EILERS, Plainfield, N. J., and MARQUIS H. LOCKWOOD, New York, N. Y., assignors to Pyramid Iron Products Corporation, a Corporation of New York. Filed Oct. 18, 1923. Serial No. 669,248. 3 Claims. (Cl. 126—163.)



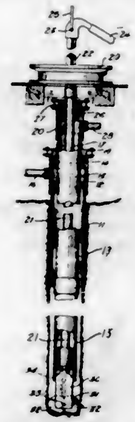
2. A grate bar comprising a body portion, provided with a plurality of vertical air passages, caps covering said vertical air passages, said caps being arranged symmetrically close together and having beveled edges forming longitudinal and transverse grooves therebetween, a single air passage extending horizontally under each cap and in communication with the respective vertical air passages, the arrangement of said horizontal air passages being such that air passing out of said passages enters said grooves and impinges against the closed walls of the horizontal air passages of adjacent caps.

1,585,968. ANTISKID DEVICE. GUSTAVE G. ENGBERG, St. Paul, Minn. Filed Aug. 6, 1923. Serial No. 655,867. 1 Claim. (Cl. 152—14.)



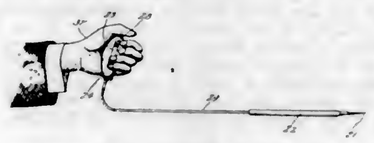
A rigid anti-skid device comprising a ground engaging member comprising a number of transverse arcuate bars, three longitudinal bars connecting said transverse arcuate bars at their centers and ends, and a number of diagonal bars connecting said longitudinal bars.

1,585,969. METHOD OF MAINTAINING A DOUBLE CIRCULATION IN OIL WELLS. ROY N. FERGUSON, Los Angeles, Calif. Filed Oct. 24, 1923. Serial No. 670,506. 8 Claims. (Cl. 255—1.)



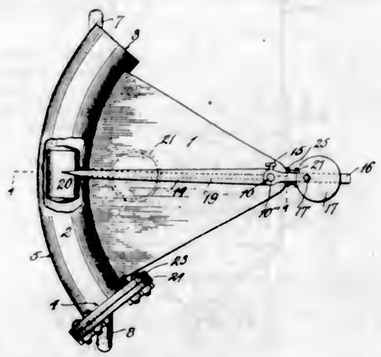
1. A method of drilling a well comprising: suspending a casing in the well; operating a cutting bit below the casing by means of drill pipe passing through the casing; and establishing a downward circulation respectively outside said casing and inside said drill pipe.

1,585,970. INDIRECT FULGURATION ELECTRODE. HERMAN G. FISCHER, Chicago, Ill., assignor to H. G. Fischer Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1923. Serial No. 640,322. 5 Claims. (Cl. 174—89.)



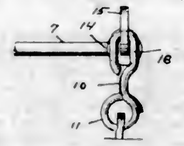
4. An indirect fulguration electrode, comprising a fulguration point, an insulating handle by which said point may be held in position adjacent a part to be treated on the body of a patient subjected to electrical current, and a control connected with said point and adapted to have more or less resistance put in circuit therewith by the progressive removal of the operator's fingers whereby to vary the amount of current drawn from the patient.

1,585,971. LIQUID-LEVEL INDICATOR. EARLE W. GARD, Wilmington, Calif. Filed June 9, 1925. Serial No. 35,849. 1 Claim. (Cl. 73—82.)



A level indicator for fluids comprising a segmental chamber formed at one end thereof with an arcuate cylindrical compartment having free communication with said chamber and provided with a removable bottom, a fluid connection on the top of said compartment, a fluid connection on said removable bottom, said chamber having at the other end thereof an opening and a cap covering said opening and openings in the side walls of said chamber, a shaft extending through said openings and formed with a square portion, bearings for said shaft, a sleeve mounted upon the square portion of said shaft, a float operable within said arcuate compartment, a rod threadedly connecting said float with said sleeve, an index member on said shaft and outside said chamber, and an adjustable counterweight on one end of said index member.

1,585,972. UNCOUPLING LEVER FOR CAR COUPLERS. GARTH GRIFFITH GILPIN, Riverside, Ill., assignor to Walter P. Murphy, Chicago, Ill. Original application filed Aug. 10, 1915, Serial No. 44,717. Divided and this application filed Sept. 18, 1917. Serial No. 191,999. 10 Claims. (Cl. 213—166.)



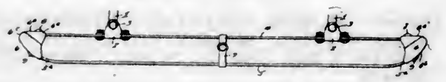
1. The combination with a railway car, of a coupler head carried thereby, a knuckle-lock for said coupler head provided with an eye, an actuating rod, and a link connected to said rod, said link having a bend formed in its lower part, the end of said bend being extended to form a complete loop open for the reception of the eye of the knuckle-lock, and the smallest over-all dimension of the loop being greater than any dimension of the eye, whereby said link can only be engaged with the eye of the knuckle-lock by a pivotal movement about an axis substantially perpendicular to the plane of the loop.

1,585,973. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 30, 1922. Serial No. 585,172. 17 Claims. (Cl. 293—55.)

10. An automobile bumper comprising a rear or auxiliary bar and a pair of front or impact bars, the ends of the front or impact bars being vertically spaced and the rear or auxiliary bar having the central portion of each end spaced vertically from the corresponding ends of the front or impact bars, end connections comprising each

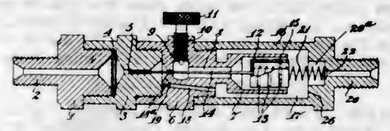
a pair of members connected together and providing vertically spaced seats for the reception of the corresponding ends of the front or impact bars, and bolts securing the ends of said bars to said connections.

1,585,974. AUTOMOBILE BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 30, 1922. Serial No. 585,178. 22 Claims. (Cl. 293—55.)



1. An automobile bumper comprising a rear bar and a plurality of front bars, and hollow caps connecting the ends of said outer and rear bars, the outer walls of said caps being curved and the corners of said caps being rounded.

1,585,975. APPARATUS FOR SUPPLYING MOISTENED AIR TO INTERNAL-COMBUSTION ENGINES. RICHARD REGIS GORDON-BARRETT, Aylesbury, England. Filed Aug. 19, 1925. Serial No. 51,272. 1 Claim. (Cl. 261—51.)

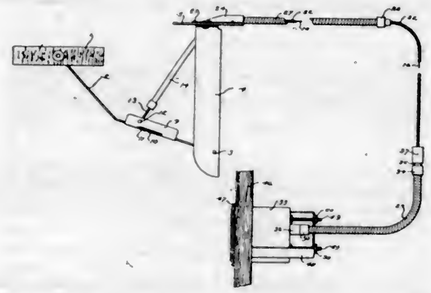


A fuel moistening device for internal combustion engines comprising a main body section providing a vaporising chamber having an outlet passage, an air intake section fitted to the body section and including a cup-like member projecting into the said chamber, a water collecting chamber said air intake section also having a passage communicating with said water collecting chamber, through one wall thereof a section filtering means fitted into the air intake section and having a central bore and a recess and forming another wall of said water collecting chamber, and a hollow valve having perforations therein and operating in said cup-like member, said valve also having a stem extending through the air passage of said intake section, and a spring for normally maintaining said valve away from the outlet passage of the main body section.

1,585,976. FLUID GAUGE. FRANK A. GROVES and WALTER N. FRANK, Dayton, Ohio, assignors to The Stemco Engineering Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 2, 1922. Serial No. 540,521. 16 Claims. (Cl. 73—82.)

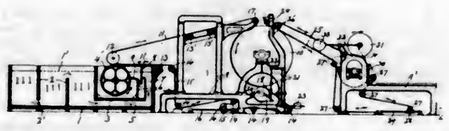
1. In combination, an actuator, consisting of means to support a float, a float arm, means connected therewith to actuate a communicating means consisting of a flexible member, means to guide the actuating means, means to guide the communicating means, means to indicate the

degree of actuation of the communicating means, a second guiding means surrounding the first guiding means



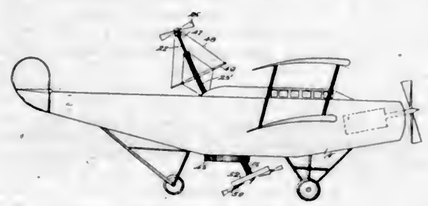
of the communicating means, and means of attaching and detaching said second means with respect to the first means.

1,585,977. MACHINE FOR MAKING MEMBRANOUS SHEET WADDING. EDWARD M. HALL, Camillus, N. Y. Filed Oct. 3, 1924. Serial No. 741,393. 1 Claim. (Cl. 92—43.)



An apparatus for making membranous sheet wadding comprising a rotary cylinder mold, means for applying a fluid pulp to the cylinder mold, a rotary drying cylinder, means for couching the stock from the cylinder mold directly to the drying cylinder, a winding drum, and means for doctoring the product from the drying cylinder and conveying it directly to the winding drum.

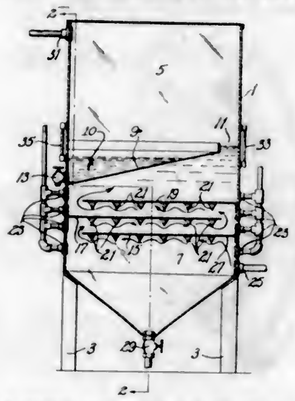
1,585,978. AIRPLANE SAFETY DEVICE. AUGUSTUS J. HARPSTRITE, Los Angeles, Calif., assignor of one-half to Fred Harpstrite, Los Angeles, Calif. Filed Dec. 24, 1925. Serial No. 77,553. 16 Claims. (Cl. 244—15.)



1. A safety appliance, in combination with air craft, including an overhead propeller and a lower wind-wheel operatively connected thereto so that air resistance on the wind-wheel will drive the said propeller said wind-wheel being arranged in the bottom of the craft.

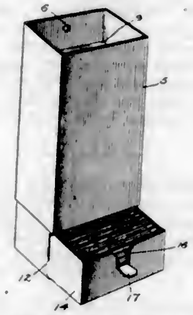
1,585,979. CLARIFIER. BENJAMIN L. HARRISON, Maplewood, Mo. Filed Dec. 18, 1924. Serial No. 756,662. 8 Claims. (Cl. 210—57.)

1. A liquid clarifier comprising a chamber for fluid solvent and a chamber for other lighter fluid thereabove, baffles in the solvent chamber and an inlet for the lighter fluid therebelow, a sump substantially separating said



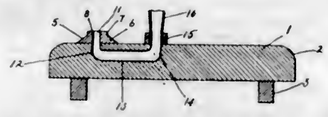
chambers, a passage connecting said chambers, and means for drawing off liquid from said upper chamber.

1,585,980. COMBINATION MATCH BOX. HAROLD O. HATT, Seattle, Wash. Filed May 14, 1925. Serial No. 30,138. 1 Claim. (Cl. 206—31.)



A combination match box comprising a casing, a match receptacle, a guide and stop for controlling the movement of said receptacle, a drawer, portions of the sides of the receptacle turned inwardly to form stops, the rear end portions of the sides of said drawer turned outwardly to form stops arranged for engagement with the stops on the receptacle to limit the outward movement of the drawer, and the front of said casing arranged to cover said drawer in the closed position.

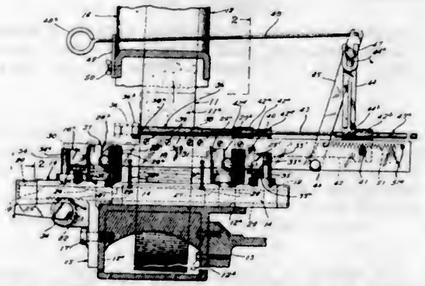
1,585,981. TELEPHONE-RECEIVER ATTACHMENT. FRANK R. HAWKINS and SAMUEL P. WILSON, Los Angeles, Calif. Filed Oct. 5, 1925. Serial No. 60,622. 1 Claim. (Cl. 179—146.)



A telephone support comprising in combination a table-like stand having a board of substantial thickness forming its upper surface, a frustrum of a cone-shaped receiver support having an aperture therein on the surface of the board, the receiver support having a cylindrical section above the frustrum of a cone portion adapted

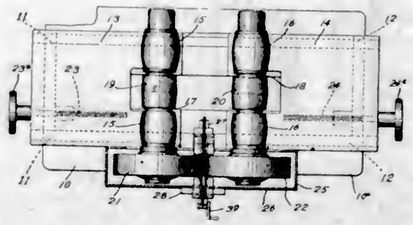
to center the ear piece of a telephone receiver when placed base down thereon, a horn support on the board the said board having a sound passage in the body thereof connecting the aperture of the receiver support and the horn support.

1,585,982. GRINDING APPARATUS. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Jan. 8, 1923. Serial No. 611,393. 24 Claims. (Cl. 51—103.)



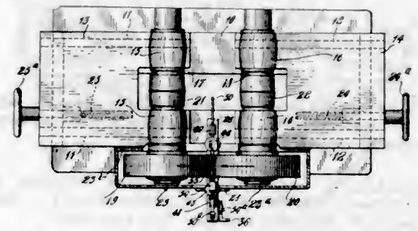
1. In apparatus of the general nature of that herein described, in combination, a grinding wheel rotatable at relatively high speed, a regulating wheel rotatable at relatively low speed, a carrier extending between said wheels and adapted to support the cylindrical portion of a body having an enlarged end portion, said wheels presenting operative surfaces traveling in opposite directions whereby said regulating wheel acts to rotate said body on said carrier during operation thereon by said grinding wheel, and means adapted to engage the enlarged end portion of said body to prevent said end portion of said body from entering between the operative surfaces of said wheels, and positioned to permit substantially complete entry of said cylindrical portion of the body between the operative surfaces of said two wheels.

1,585,983. ART AND APPARATUS FOR GRINDING. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Aug. 4, 1922. Serial No. 579,566. 34 Claims. (Cl. 51—88.)



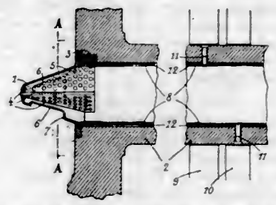
1. In apparatus of the general nature of that herein described, in combination, a grinding wheel rotatable at relatively high speed, a regulating wheel rotatable at relatively low speed, said wheels being adapted to present approaching operative surfaces traveling in opposite directions and to present opposed operative portions for action upon work presented thereto, work supporting means adapted to be moved to position work supported thereon in or out of operative relation to the operative portions of said surfaces, the path of travel of the operative surface of said regulating wheel being inclined with respect to the path of travel of work along said supporting means, means for preventing work on said work supporting means from contacting with said grinding wheel prior to movement of said supporting means inwardly to present the work to said operative portions of said two wheels, and guiding means associated with said supporting means and arranged to receive said work as it is fed out of operative relation to said two wheels by said regulating wheel.

1,585,984. GRINDING. LEWIS R. HEIM, Danbury, Conn., assignor to The Helm Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Aug. 29, 1922. Serial No. 584,955. 18 Claims. (Cl. 51—88.)



1. In apparatus of the general nature of that herein described, in combination, a pair of wheels one of which has an abrasive surface, said wheels presenting approaching operative surfaces and adapted to present opposed operative portions for action on work presented thereto, a carriage extending between said wheels and having a portion for supporting a round part of a work piece and provided with means forming an adjustable gap into which may be accommodated an enlarged part of the work piece, and means mounting said carriage between said wheels and adapted to permit movement thereof in a direction substantially co-incident with the axis of the work piece supported thereon.

1,585,985. LUBRICATING ARRANGEMENT FOR MOTORS. JEAN MARIE HEINRICH, Paris, France, assignor to Société des Moteurs Salmson (Système Canton-Unné), Paris, France. Filed Nov. 25, 1924. Serial No. 752,219. 5 Claims. (Cl. 184—13.)

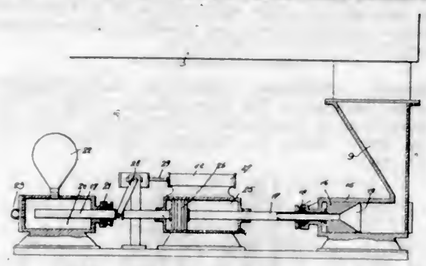


1. In a lubricating arrangement for engines the combination of a nozzle carried by the end cheek of the crankshaft and co-axial with said crankshaft, oil ducts formed through the crankshaft and opening on the one hand into said nozzle and on the other hand at the points to be lubricated, perforated longitudinal partitions within said nozzle and oil spray inlet and outlet apertures formed in the wall of said nozzle and in alternate disposition with said partitions.

1,585,986. APPARATUS FOR HANDLING SLUDGE ACIDS. DAVID R. HENDERSON and ALBERT H. HILL, Arkansas City, Kans.; said Henderson assignor of his interest to Earl H. Sleeth, Arkansas City, Kans. Filed July 30, 1921. Serial No. 488,744. 1 Claim. (Cl. 103—48.)

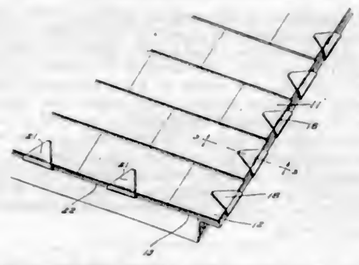
Apparatus for handling sludge comprising a cylinder having at its opposite side and at one end a spout which communicates with the interior of the cylinder through an opening, the transverse sectional ear of which is less than the diametrical transverse sectional area of the cylinder, a hollow piston mounted for sliding movement in

the cylinder, a hollow piston rod connected with the piston, means for reciprocating the piston rod, a distributing



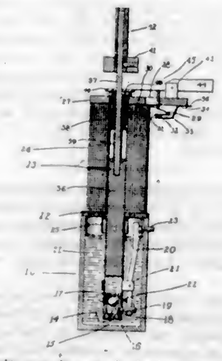
cylinder slidably receiving one end portion of the rod both of the said cylinders being approximately of the same transverse sectional area.

1,585,987. ROOF-EDGING DEVICE. FRANCIS W. HENNESSY, Providence, R. 1. Filed June 13, 923. Serial No. 645,188. 4 Claims. (Cl. 108—26.)



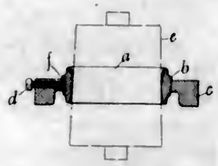
1. In combination with a roof covering, of a roof edging device formed of a strip of metal to be secured to the edge of a roof beneath the covering and having a doubled pack portion to lie above the edge of the roof and provided with a plurality of integral substantially triangular bendable fingers lying over the edge of the covering onto its upper outer surface, the ends of said triangular fingers being bent at substantially right angles to form a pointed spur extending into the covering to secure the two together.

1,585,988. ELECTRIC-CURRENT CONTROLLER. GEORGE HESSE, Los Angeles, Calif., assignor to Electric Sign Flasher Corporation, Los Angeles, Calif., a Corporation of California. Filed May 9, 1924. Serial No. 712,110. 3 Claims. (Cl. 200—90.)



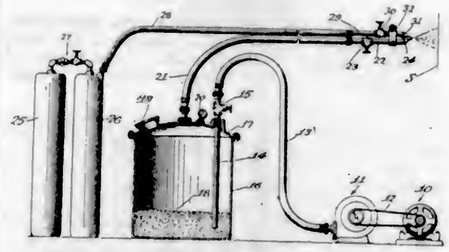
1. In a circuit opening and closing device for electric circuits the combination with a stationary terminal; of a pivoted lever carrying a co-operating movable terminal, said lever having one end heavier than the other, the heavier end being adapted to cause the separation of the terminals when free to act; a solenoid connected to said stationary terminal; a core for said solenoid; a nonmagnetizable stem for said core; a tube on said stem; a magnetizable washer surrounding said stem and projecting within the solenoid winding and resting thereon; a nonmagnetizable washer on the other washer; and adjustable means carried by the stem to cause the engagement of said terminals when the solenoid is de-energized.

1,585,989. METHOD OF MAKING SPINNING RINGS. JOSEPH HIGGINSON, Stockport, England. Filed June 4, 1924. Serial No. 717,880. 3 Claims. (Cl. 29—171.)



1. A method of producing rings for ring spinning, doubling and like machines consisting in first machining the rings in the usual manner, then forcing the machined ring upon a tapered circular mandrel so that the bore of the ring is made truly circular, grinding the periphery of the ring while the latter is on the mandrel to make the periphery truly concentric with the bore of the ring, and afterwards forcing the ring whilst upon a mandrel into the aperture of a ring rail, whereby when the last mentioned mandrel is withdrawn from the ring, the latter is held against distortion by the rail.

1,585,990. APPARATUS FOR COATING WITH GLASS OR ENAMEL. ELI K. HOUGHTON, Los Angeles, Calif. Filed Oct. 29, 1924. Serial No. 746,543. 1 Claim. (Cl. 91—72.)



An apparatus for applying coatings which consists of a pair of flexible conduits, nozzles mounted on the ends of the conduits, means for fastening the nozzles together in such a manner that the streams discharged therefrom intersect, valves mounted upon the nozzles, a fuel supply to which one of said flexible conduits is connected, a container containing a fusible comminuted material to which the other flexible conduit is connected, a conduit extending into said container for supplying compressed air thereto, and a valve upon the last mentioned conduit controlling the supply of compressed air to the container.

1,585,991. KEYLESS LAMP SOCKET. WILLIAM ILE, Jackson, Mich. Filed May 9, 1925. Serial No. 29,148. 2 Claims. (Cl. 173—358.)

1. A keyless lamp socket including an insulating body comprising a base and a vertical extension having enlargements at the lower portion thereof at the center

of the same, said base being provided adjacent one of the enlargements with a slot, a terminal plate extending through the slot to the lower face of the base, a center contact fitted against the terminal plate, a fastening device piercing the center contact and the terminal plate

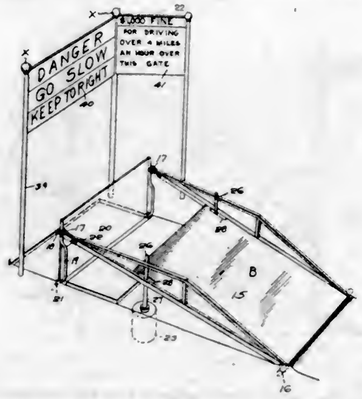
and engaging the insulating body and extending through the base into the extension between the said enlargements of the same, a shell contact secured to the lower face of the base and a terminal plate located at the opposite side of the extension from that at which the slot is arranged and electrically connected with the shell contact.

1,585,992. CAP AND SHELL FASTENING FOR LAMP-SOCKET CASINGS. WILLIAM ILE, Jackson, Mich. Filed July 2, 1925. Serial No. 41,207. 1 Claim. (Cl. 173—362.)

A cap and shell fastening for lamp socket casings comprising a shell provided with a plurality of slots having approximately vertical and horizontal branches, the vertical branches forming an entrance, a cap having a flange to fit over the shell and provided with integral tongues having free terminals at one end extending substantially horizontal and being of a length to pass through the entrance portions of the slots and bent inwardly to offset the body portions of the tongues and present their edges for engaging the upper edges of the horizontal branches of the slots, said tongues being carried into the horizontal branches by a partial relative rotary movement of the parts and the free terminals of the tongues being bent outwardly and gripping the shell interiorly thereof at points beyond the horizontal slots, and means for locking the parts against such relative rotary movement.

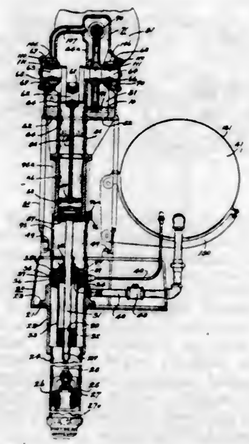
1,585,993. LIFE-SAVING GATE ON RAILWAY CROSSINGS. EDWARD S. JONES and NICHOLAS TATE JONES, Mobile, Ala. Filed Dec. 22, 1924. Serial No. 757,406. 2 Claims. (Cl. 39—6.)

1. In a device of the character described, a platform comprising a body portion, side frame members which project beyond the body portion, grooved rollers at the outer ends of the side frame members, pivoted yokes at the outer ends of the side frame members, reinforcing struts constituting parts of the side frame members, a transverse barrier and cam rods constituting parts



of the transverse barrier, which cam rods are engaged by the grooved rollers and are embraced by the yokes.

1,585,994. WATER SYSTEM. CHARLES F. KETTERING and GEORGE A. BUVINGER, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 12, 1923. Serial No. 624,824. 5 Claims. (Cl. 103—1.)

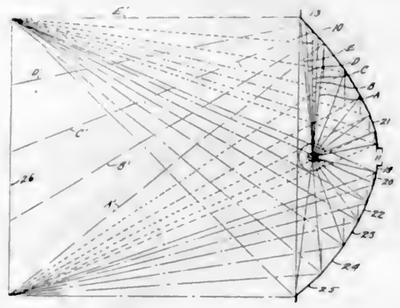


1. In a pump drive, the combination with a base and a frame having a lubricant reservoir supported above the base and provided with an aperture through its bottom wall, said aperture surrounded by a flange damming the lubricant; and pump operating mechanism supported by the frame including a crank located in the reservoir, a connecting rod extending through the aperture below the reservoir, and a cross head supported at the lower end of the connecting rod.

1,585,995. VEHICLE LIGHT REFLECTOR. OPAL E. KLINE, Glidden, Iowa. Filed Feb. 19, 1925. Serial No. 10,284. 1 Claim. (Cl. 240—41.)

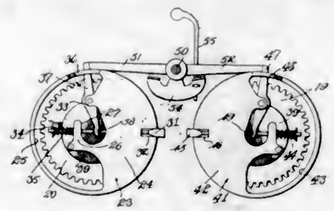
A light reflector comprising a series of reflecting surfaces, each section comprising an annular section of a cone, the width of each section increasing from the center

to the periphery of the reflector and the height of each cone, of which one reflecting surface is a part, decreasing



toward the center of the reflector and vice versa whereby the reflected light from each reflector illuminates the same circle.

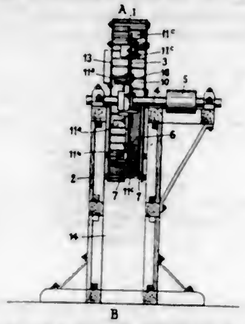
1,585,996. CLUTCH. ERNEST J. KOHMAN, Dillon, Kans. Filed Jan. 29, 1924. Serial No. 689,286. 4 Claims. (Cl. 192—28.)



1. The combination with a driving shaft and a driven shaft, of a rotatable element disposed between the shafts and rotatably supporting the adjacent ends of the shafts, toothed members on the shafts on opposite sides of the rotatable element, means on the rotatable element for movement radially thereof into and out of simultaneous engagement with the toothed members, and in constant engagement with the rotatable element, said means being normally and yieldably urged toward engaging position with the toothed members, means for normally holding the radially movable means out of engagement with said toothed members, and means for automatically releasing the said holding means.

1,585,997. DISINTEGRATING MACHINE. FELIKS KUTASZEWICZ, Warsaw, Poland, assignor to the Firm Spolka Lidowiecka Handlowo-Przemyslowa Sp. Z. O. O., Warsaw, Poland. Filed Nov. 24, 1924. Serial No. 751,998. 2 Claims. (Cl. 83—11.)

1. Apparatus for disintegrating plants and other materials including a casing, a drum secured to said casing and having two internal diameters, a rotatable shaft passing through the axis of the drum, a disc secured to said shaft and located within the drum adjacent the juncture of the two diameters so as to divide the interior of the drum into two differently diametered chambers, grippers arranged on one side of the disc and within the small chamber for successively imparting an incipient and a quick rotation to the material, and other grippers secured to the other side of the disc and within the large chamber and extending across and partially into the small chamber for seizing the material and for facilitating the

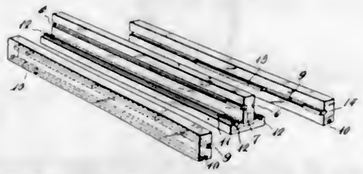


transfer of the material over the edge of the disc and into the large chamber, substantially as and for the purposes set forth.

1,585,998. DEEP-PRINTING FORM AND PROCESS FOR PREPARING SAME. LEVIE LEVISSON, The Hague, Netherlands. Filed July 14, 1922. Serial No. 575,060. 2 Claims. (Cl. 41—43.)

1. A process for producing deep-printing forms with endless pattern, comprising using the photomechanical deep-printing process with breaking up the image into printing-elements of different depth, and carrying out the transfer of the exposed gelatine layer on to the cylinder by breaking the layer into a plurality of portions, and successively subjecting each portion to a series of complete treatments.

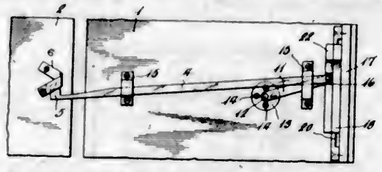
1,585,999. EXTENSION TABLE. NELS J. LUNDEEN, Portland, Oreg. Filed Nov. 28, 1922. Serial No 603,818. 1 Claim. (Cl. 45—115.)



A table slide comprising a base provided with a central longitudinal groove throughout its length, a groove in said base on each side of said central groove and extending throughout the length of the base, a stop in each end of the side groove, a central strip rigidly secured in the central groove of the base, and provided with longitudinally disposed recesses extending throughout the length of said central strip, a stop in one end of each recess, side strips each having a runway on its inner side face extending throughout its length, stops at the ends of said runways, a guide strip slidably mounted in the recesses of the central strip and extending into the runways of the side strips, a groove in the bottom face of each side strip registering with the side grooves of the base and a tongue in said grooves bridging the joint between the lower face of the side strips and the base.

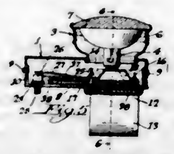
1,586,000. LOCKING DEVICE FOR EXTENSION TABLES. NELS J. LUNDEEN, Portland, Oreg. Filed Nov. 28, 1922. Serial No. 603,819. 1 Claim. (Cl. 45—9.)

In a table having separable top sections and a depending rim, a keeper on one of said sections, a locking arm slidably mounted in keepers of the other section and adapted to engage the keeper on the other section, a link pivotally connected with one end of the link while its other end is pivotally mounted on the same section as the said arm, a support mounted on said rim, an operating handle slidably mounted on said support, spaced pushers



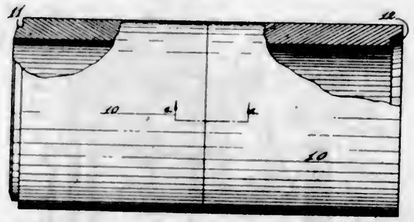
on said handle, between which is positioned the pivoted ends of the said arm and link whereby the arm and link may be operated.

1,586,001. COMBINATION HAND TRAFFIC SIGNAL AND TROUBLE LAMP. GEORGE A. MILLER, Los Angeles, Calif. Filed Feb. 6, 1925. Serial No. 7,310. 3 Claims. (Cl. 177—329.)



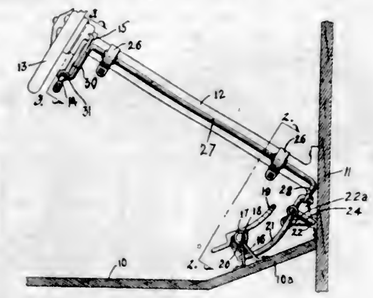
1. A hand signal and trouble light comprising in combination a box like lamp casing, insulating material secured to the bottom of the casing, a binding post secured thereto and having connection to a source of power, a spring contact connected to the binding post, a stiff wire overlapping the end of the spring contact, a push button underneath the spring wire adapted to press same into contact with the stiff wire, a pair of spring contact points separated one from the other, one of said contact points being connected to the binding post securing the stiff wire, the other contact point having a connection to a source of power, and a lamp having a plug with two terminals adapted to engage the spring contact points.

1,586,002. CONDUIT JOINT. JOSEPH E. MILLER, Des Moines, Iowa. Filed June 26, 1924. Serial No. 722,578. 1 Claim. (Cl. 285—118.)



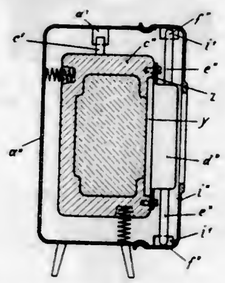
A joint having conduit sections, one section having a bell end and the other section a spigot end, the bell end having an annular groove adjacent to the inner surface of the conduit, a projection overhanging said groove and having an upwardly inclined inner surface into which said groove merges, the spigot end having a projection adjacent to the inner surface of the condnit having an upwardly and inwardly inclined end and an upwardly and inwardly inclined shoulder, the bell end and spigot end adapted to be fitted together with their projections overlapping and closely fitted to each other and affording a tight joint at the outer surface of the conduit and with the inclined end surface of the projection on the spigot end spaced from the groove in the bell end, to afford an inwardly opening pocket adjacent to the inner surface of the conduit, and a cement filling adapted to be inserted in said pocket.

1,586,003. FOOT ACCELERATOR. VICTOR A. NOBLE, Laurens, Iowa. Filed Mar. 25, 1926. Serial No. 97,265. 2 Claims. (Cl. 74—39.)



1. In a foot accelerator, a shaft adapted to be rotatably mounted on the steering post casing of a motor vehicle having at its upper end a crank arm adapted to be slidably mounted on a throttle control lever and having at its other end a crank arm, a pair of brackets, a rock shaft mounted therein having crank arms at its ends, a link pivoted to the lower crank arm on said first shaft, and to one of the crank arms on the rock shaft, a foot pedal, and means for pivotally mounting said foot pedal between its ends above the floor of a motor vehicle, an arm on said foot pedal, and a link pivoted to said arm and to the other crank on said rock shaft.

1,586,004. OSCILLATION METER. WILHELM REGELEIN and ARTHUR GLAUBITZ, Mulheim-Ruhr, Germany. Filed May 20, 1925. Serial No. 31,687. 6 Claims. (Cl. 73—51.)

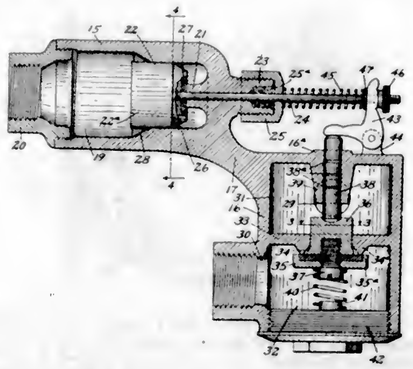


1. An oscillation meter, comprising in combination a light thin walled casing adapted to take up oscillations to be measured, a heavy body within said casing forming an inert mass which mass is a substantial part of that of the whole apparatus, fine suspension springs to freely suspend said body from said casing whereby the casing and body constitute relatively movable members, and a measuring apparatus carried by one of said members and having actuating means including contact pins engaging the other member whereby the apparatus is caused to give an indication proportional to the relative movement between said casing and body, substantially as and for the purpose set forth.

1,586,005. AUTOMATIC WATER VALVE. LUTHER C. RISHEL, Los Angeles, Calif. Filed Jan. 4, 1923. Serial No. 610,727. 2 Claims. (Cl. 236—25.)

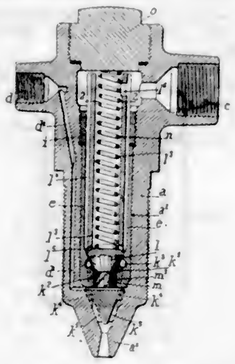
2. A gas control device comprising a water valve casing, a water valve within said casing, a gas valve casing, a gas valve within the gas valve casing, stems extending from the casings and connected to the valves, a lever piv-

oted on one of the casings and engaging one of the stems, a spring interposed between one casing and said



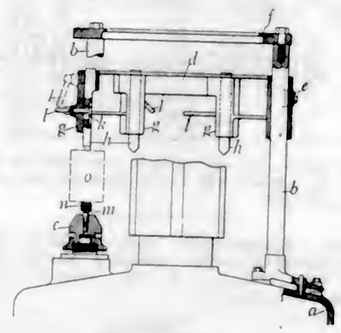
lever and surrounding the other stem, and a nut threaded onto said stem engaging the lever for the purpose described.

1,586,006. DEVICE FOR INJECTING, PULVERIZING, AND VAPORIZING FUEL IN INTERNAL-COMBUSTION ENGINES. FRANÇOIS ROCHEFORT, Paris, France. Filed Apr. 30, 1923. Serial No. 635,788. 2 Claims. (Cl. 299—118.)



1. In a device for injecting, pulverizing and vaporizing fuel for internal combustion engines, comprising a body, outlet in the body, a needle valve member displaceable in the body, separate inlet means in the body for supplying fuel and gas under pressure to the needle valve member, which is arranged to control the inlet of both fuel and gas under pressure and to open communication between the inlets and the outlet through its displacement relatively to the body, means for moving the needle-valve member relatively to the body through pressure exerted by fuel on the needle valve member to thus allow inlet of fuel and gas under pressure, and means for moving the needle-valve member in the opposite direction for cutting off the inlet of fuel and gas under pressure, the provision of a piston in the body and forming part of the needle-valve member and arranged to receive the pressure of the liquid fuel under pressure, a cylindrical bore in the body for receiving the piston, and through-way passage means of very small cross sectional area between the piston and the cylindrical bore in the body, for permitting a flow of fuel.

1,586,007. VERTICAL AUTOMATIC TURNING AND LIKE MACHINE TOOL. FRANK EATOCK RYDER, Bolton, England. Filed Mar. 20, 1925. Serial No. 17,086. 4 Claims. (Cl. 29—38.)

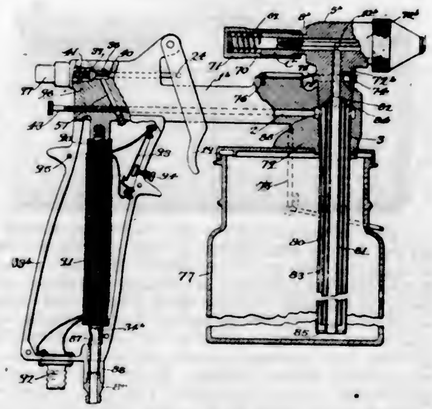


2. In vertical automatic turning and like machine tools having an intermittently rotating bed provided with a plurality of rotatable headstocks, the combination comprising an annular frame, supporting stems for said frame affixed to and projecting above said bed, means for clamping said frame to said stems at varying positions therealong, a plurality of non-rotatable sliding headstocks on said frame, each of said non-rotatable sliding head-stocks being in alignment with one of the said rotatable headstocks.

1,586,008. GLASS-CLEANING COMPOSITION. MANUEL A. SEVILLA, Los Angeles, Calif. Filed May 14, 1924. Serial No. 713,221. 1 Claim. (Cl. 87—5.)

A glass cleaning composition in the form of a liquid consisting of the following ingredients in the proportions stated:—powdered pumice stone 1 part; whiting 2 parts; alcohol 1 part; water 15 parts.

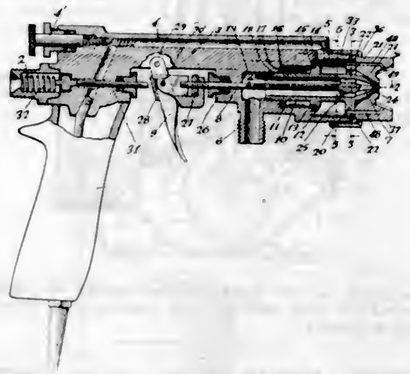
1,586,009. AIR BRUSH. AUGUSTINE SHELBURNE, South Pasadena, Calif. Filed Feb. 8, 1923. Serial No. 617,704. 18 Claims. (Cl. 91—45.)



1. In an air brush, a main barrel provided with a main air duct extending longitudinally therethrough, and a delivery head comprising a connecting plug movable in said barrel on an axis extending at an angle thereto and provided with a liquid duct extending throughout its length.

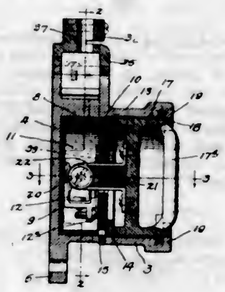
17. In an air brush adapted to fit upon a receptacle, a suction tube extending therein, means on said brush for imparting heat to the liquid in said receptacle, said means comprising a heat exchanging element adapted to extend into the said receptacle and to surround said suction tube.

1,586,010. AIR-BRUSH NOZZLE. AUGUSTINE SHELBURNE, South Pasadena, Calif. Filed Oct. 16, 1925. Serial No. 62,775. 16 Claims. (Cl. 91—45.)



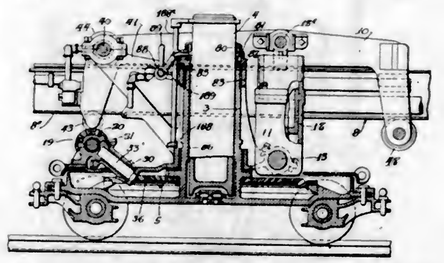
10. An air brush nozzle comprising in combination a fluid nozzle rotatably mounted in an air brush, an air nozzle bearing on the fluid nozzle and rotatable thereon, said nozzles being interconnected to be rotatable in unison.

1,586,011. EXPLOSIONPROOF FUSE. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 10, 1920, Serial No. 395,322. Renewed Nov. 6, 1924. 8 Claims. (Cl. 200—129.)



1. In combination with a fuse member of the cartridge type, a casing having an opening, a pair of contacts for said fuse member in said casing, a partition intermediate said opening and said contacts having a restricted aperture affording a passageway for said fuse member in a position removed from engagement with said contacts, and a holding element having a portion thereof adapted to form a closure for said opening, and a second portion adapted to detachably secure the fuse member intermediate its ends, and to project said fuse member thru said restricted aperture, whereby said fuse member may be moved into and out of engagement with said contacts when said holding element is in closed position in the casing.

1,586,012. POWER SHOVEL. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Dec. 18, 1922, Serial No. 607,692. Divided and this application filed Dec. 31, 1923, Serial No. 683,569. Renewed Apr. 9, 1926. 8 Claims. (Cl. 214—135.)



1. In a device of the character described, a base having an upright cylinder mounted thereon, a plunger in said cylinder, a turntable having an axial bearing about said cylinder, and means whereby fluid pressure in said cylinder exerts upward pressure on said turntable.

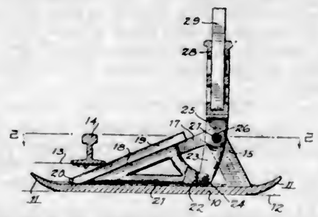
1,586,013. THIONAPHTHISATINS AND THE PROCESS OF MAKING SAME. HERMANN STAUDINGER, Zurich, ROBERT STOCKER, RICHARD TOBLER, and ARMIN BUCHER, Basel, and JAKOB MUELLER, Munchenstein, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Nov. 23, 1923. Serial No. 676,640. 3 Claims. (Cl. 260—53.)

I. As new products the thionaphthisatins, whose characteristic atom grouping

being attached to two carbon atoms of the naphthalene nucleus situated in ortho-position to each other and in which the

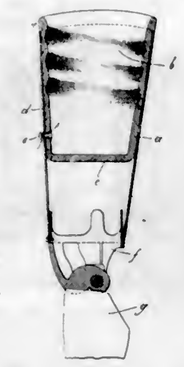
attached to the naphthalene nucleus is linked to this latter by a β-carbon atom, which products form red crystalline powders which dissolve in organic solvents with reddish yellow color.

1,586,014. RAILWAY-TRACK LINER. WILLIAM TAYLOR, Lorain, Ohio. Filed Sept. 9, 1925. Serial No. 55,341. 6 Claims. (Cl. 254—44.)



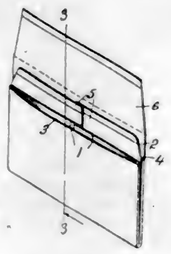
1. A railway track liner comprising a base plate having a pair of upstanding spaced brackets rigid therewith, a lever pivoted between and to the brackets, and a tongue movably fitting between the brackets with one end bearing on the base plate and with its other end directly suspended from said lever.

1,586,015. ARTIFICIAL LIMB. ERNEST WALTER UNDERWOOD, Birmingham, England. Filed Jan. 14, 1926. Serial No. 81,308. 3 Claims. (Cl. 3—9.)



1. An improved artificial limb including a hollow socket for the reception of the stump of the patient's limb, said socket being constructed of comparatively rigid material and closed at its lower end and being formed with a helical groove in the internal surface thereof.

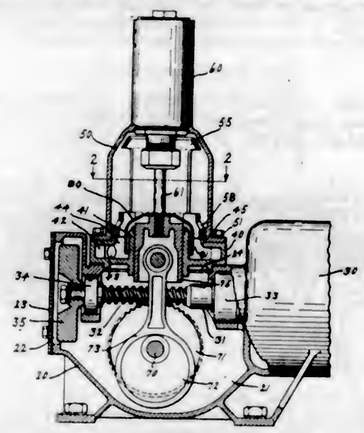
1,586,016. ENVELOPE. CORLAN WALTERS, Kansas City, Mo. Filed Oct. 15, 1923. Serial No. 668,756. 2 Claims. (Cl. 229—72.)



1. An envelope comprising two end portions and an intermediate portion, each portion having a closing flap, the end portions being folded over the intermediate portion and fastened together, the intermediate portion and the end portions being doubled to form two pockets, the flaps of the end portions being adapted to be folded over and close one of the pockets, and the flap of the intermediate portion being adapted to be folded over both pockets.

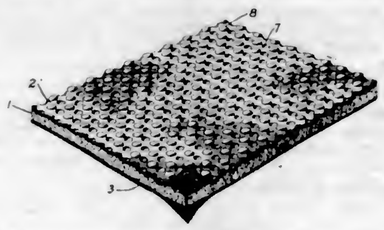
1,586,017. PUMPING APPARATUS. CLARENCE WARNER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 26, 1923. Serial No. 677,139. 4 Claims. (Cl. 184—11.)

4. Pumping apparatus comprising, in combination, a pump rod, a gear housing, driving mechanism within said housing, a cover for said housing providing a bearing and an annular chamber surrounding the bearing, a cross head received by said bearing for connecting the driving mechanism and pump rod, and a baffle movable with the pump rod having a flange adapted to surround the bearing and cross head and extend into the chamber for deflecting a liquid escaping from the pump around



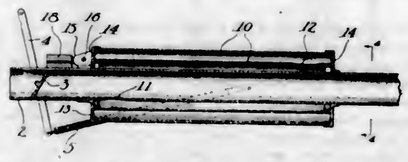
the pump rod and liquid escaping through the bearing around the cross head into said chamber from where it may be drained.

1,586,018. PLASTER BOARD. EDWARD WESTBERG, Los Angeles, Calif. Filed Dec. 22, 1924. Serial No. 757,396. 2 Claims. (Cl. 72—124.)



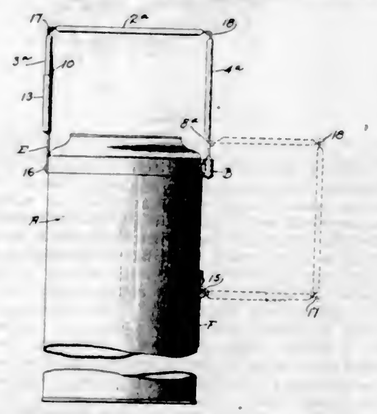
2. An improved plaster board comprising the combination of a plaster board composition having one side thereof covered with paper, the paper having a waterproof layer adjacent the composition, the other side of the board being formed with a plurality of knob-like projections spaced apart both longitudinally and transversely of the board and relatively staggered, and a plurality of indentations formed intermediate said knob-like projections and spaced therefrom.

1,586,019. COMBINED MUFFLER AND CUT-OUT. EVERETT WHEELER, Los Angeles, Calif. Filed May 10, 1923. Serial No. 637,956. 2 Claims. (Cl. 137—160.)



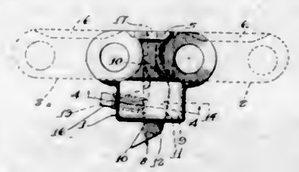
1. A combined muffler and cut out comprising a main exhaust pipe adapted to be connected to the exhaust pipe from the motor of a vehicle, said main exhaust pipe being materially greater in diameter than the diameter of the vehicle exhaust pipe, a valve mounted in the rearward end of the main exhaust pipe, a first head mounted about said main exhaust pipe forwardly of said valve, a second head mounted about said main exhaust pipe forwardly of the first head, said second head being positioned approximately at the middle of said main exhaust pipe, means providing two concentric annular shoulders upon the opposed faces of said heads, a first shell mounted between the heads against the inner shoulder, a second shell mounted between the heads about the first shell and disposed against the outer shoulder, there being a single aperture in the main exhaust pipe forwardly of the first head, a single aperture in the first shell behind the second head and another aperture in the first head between the first and second shells, and means for opening and closing said valve.

1,586,020. HANDLE FOR CONTAINERS. LILLIAN S. WITHERSPOON, San Francisco, Calif. Filed Oct. 17, 1924. Serial No. 744,118. 13 Claims. (Cl. 220—94.)



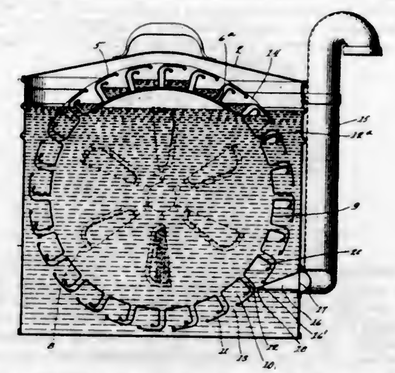
1. The combination with a container of a handle therefor, said handle being adjustable to straddle the container in one position and to form a side handle in another position, a connection between one end of the handle and the container permitting the handle to be swung to the side of the container or to straddle the container, and means for securing the opposite end of the handle in either position.

1,586,021. CUTTER CHAIN. JOHN WILLIAM ZELLERS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 18, 1924. Serial No. 720,733. 5 Claims. (Cl. 262—33.)



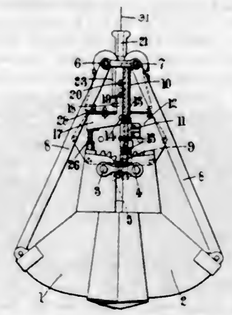
1. A chain block for mining machines having a bit provided with a central portion substantially uniform in cross-section and provided with offset cutting portions at opposite ends thereof, said chain block being provided with a bit-receiving aperture having its outer margins adapted to conform substantially with the cross-section area of said centre portion of the bit and having its inner portion enlarged in cross-section to receive the offset portion of the bit, and means for securing said cutter bit in said aperture.

1,586,022. WASHING MACHINE. PERCY E. BARKER, Cleveland, Ohio, assignor of one-half to Thomas B. Van Dorn, Cleveland, Ohio. Filed Oct. 12, 1921. Serial No. 507,250. 5 Claims. (Cl. 68—18.)



1. A washing machine, comprising a fluid containing casing, a drum rotatable on a horizontal axis therein, the peripheral wall of said drum being provided with a series of externally opening pockets having imperforate inner walls, each of said pockets being provided with an extended wall portion which partially covers and thereby restricts the external opening of an adjacent pocket, and means for supplying a gaseous medium to said pockets so as to cause the rotation of the drum.

1,586,023. GRAB. DUDLEY JAMES BARNARD, Barking, England. Filed Nov. 4, 1924. Serial No. 747,851. 10 Claims. (Cl. 37—186.)

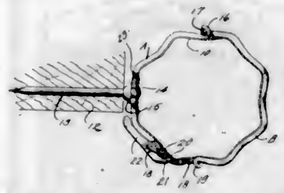


1. In a grab of the type described provided with means connecting the cross-beam carrying the bucket sections and movable sheave block, the combination of means comprising a pin on the cross-beam, a gravity catch pivoted on the lower sheave block, guide members on the side plates of the upper sheave block, means slidably mounted in said guide members adapted to coact with the travelling carriage of a transporter, a vertically disposed hook shaped member pivoted on said means adapted to coact with the gravity catch and to hold said catch in engagement with the pin on the cross-beam when the grab is supported by the transporter carriage.

1,586,024. CONDUCTOR HOOK. RAYMOND BOYD, Des Moines, Iowa. Filed Jan. 29, 1925. Serial No. 5,642. 1 Claim. (Cl. 248—36.)

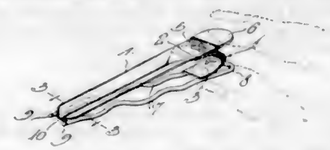
A device of the class described comprising a two-part ring for encircling a conductor pipe, a pair of hooks on one end of one of said parts, a pair of trunnions on one end of the other of said parts designed to coact with

said hooks, means for clamping the remaining ends of said parts together thereby forming a ring, said means comprising a hook on the remaining end of one of said parts, a loop in said hook, a lever pivoted on said loop, a plurality of spaced holes in the remaining end of the other of said parts, one end of said lever being reduced and bent to coact with one of said holes, the parts being arranged



so that in clamped position said loop has passed across the center of the pivot formed by said end of said lever in one of said holes, a shouldered supporting spike riveted through one of said parts and sharpened projections on one of said parts for preventing longitudinal movement of said conductor pipe through said two part ring.

1,586,025. BARRETTE. JACOB BURKHART, Elmhurst, Pa. Filed June 18, 1925. Serial No. 38,048. 1 Claim. (Cl. 132—48.)

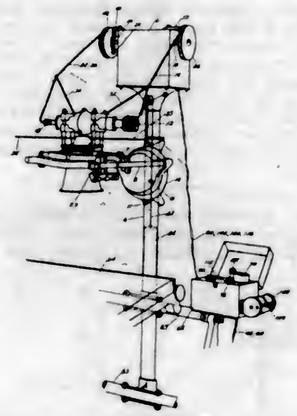


A barrette comprising a U-shaped spring, an elongated plate secured to one arm of said spring and projecting throughout the greater part of its length from said spring in the direction in which said arm projects, said plate projecting slightly in the other direction from the spring, and a pair of fingers secured to the other arm of said spring and projecting throughout the greater part of their lengths from the spring in the direction in which said other arm projects, the inner ends of said fingers projecting slightly from the spring in the opposite direction, the major portions of said fingers being of serpentine form, the major portion of said plate having a longitudinal rib on its inner side to force the user's hair between said fingers.

1,586,026. SCISSORS. JOHN CLAY CALDWELL, Miami, Fla. Filed June 14, 1923. Serial No. 645,457. 1 Claim. (Cl. 30—13.)

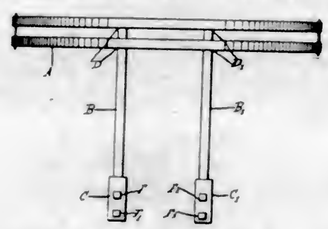
In a cutting device, a pair of companion cutting blades, handles formed on the rear ends of the blades, means pivotally connecting the blades together comprising a clamping screw having a bearing portion arranged to extend thruogh one blade, the last mentioned blade having a disk-shaped recess formed in its inner face, a retaining member including a threaded shank, a disk-shaped plate, the plate being adapted to be fitted in the recess of the last mentioned blade, the other blade having a threaded opening formed therein for receiving the shank of the retaining member, the shank of the retaining member having a threaded socket to receive the shank of the clamping screw.

1,586,027. X-RAY APPARATUS. CHARLES E. CAMPBELL, Lynn, Mass. Filed Aug. 12, 1921. Serial No. 491,692. 14 Claims. (Cl. 250—34.)



1. X-ray apparatus comprising an upright, an X-ray generator mounted upon the upright, a source of alternating-current energy of comparatively low voltage and comparatively low frequency, a translating device permanently mounted upon the upright above the X-ray generator at a height above the heads of persons of normal height, the translating device being adapted to translate alternating current energy at comparatively low voltage and comparatively low frequency into alternating-current energy at comparatively high voltage and comparatively low frequency, means electrically connecting the translating device with the source, whereby the translating device produces alternating-current energy at comparatively high voltage and comparatively low frequency, and means electrically connecting the translating device with the X-ray generator, whereby the generator is supplied with electrical energy by the translating device at comparativly high voltage and comparatively low frequency.

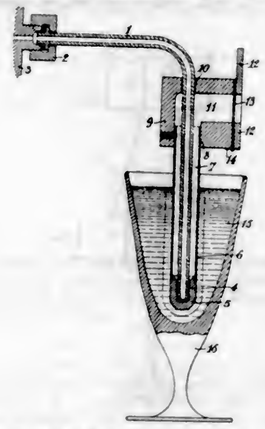
1,586,028. AUTOMOBILE BUMPER. WILLIAM ALBERT CRAWFORD-FROST, Baltimore, Md. Filed Oct. 10, 1925. Serial No. 61,739. 2 Claims. (Cl. 293—55.)



1. In connection with an automobile, a horizontal bumper, situated higher than the headlights, supported by uprights that rise from a member of a low bumper.

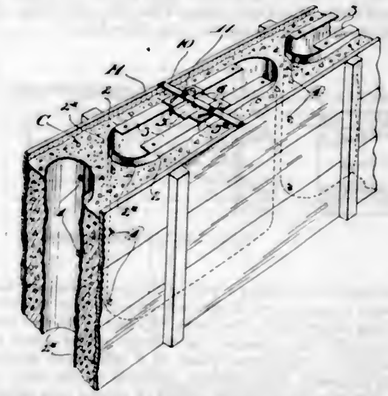
1,586,029. COOLING APPARATUS. VICTOR CRÉMIEU, Colombieres-surr-Orb, France. Filed Apr. 14, 1924. Serial No. 706,621. 4 Claims. (Cl. 62—92.)

1. An apparatus for the cooling of liquids by the ebullition and expansion of carbonic anhydrid, comprising a tube adapted for connection with the cock of a recipient containing liquid carbonic anhydrid, a cap fitted on the end of the said tube, the internal wall of the said cap and the external wall of the said tube being separated by a very narrow interval for the outlet of carbonic anhydrid and the said cap being able to be displaced



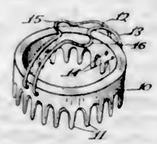
with respect to the tube in order to disintegrate the carbonic anhydrid snow which could obstruct the said interval.

1,586,030. COLLAPSIBLE CORE. PAUL DE HUFF and WALTER A. WOOD, Los Angeles, Calif. Filed Nov. 30, 1923. Serial No. 677,785. 14 Claims. (Cl. 25—131.)



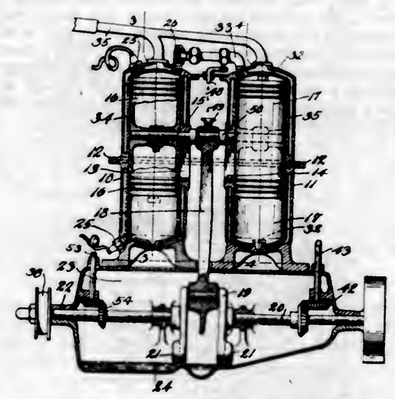
2. In combination, a sheet metal collapsible concrete mold core, spacing devices applicable to the upper and lower portions of the core to sustain the same, and staple-like fastening means for connecting the spacing devices to the core, and permitting ready removal of the devices from the core.

1,586,031. MASSAGE AND SHAMPOO COMB. WILLIAM DUNCAN, Los Angeles, Calif. Filed Mar. 10, 1925. Serial No. 14,439. 2 Claims. (Cl. 132—19.)



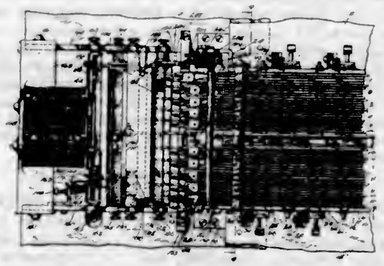
1. In combination with a massage or shampoo comb, a pair of bail parts secured to the comb, said bail parts being substantially parallel and providing oppositely extending projections as and for the purpose described.

1,586,032. INTERNAL-COMBUSTION ENGINE. WARREN E. ELLIS, Gridley, Kans. Filed Aug. 11, 1924. Serial No. 731,393. 6 Claims. (Cl. 123—70.)



3. In an internal combustion engine, a firing cylinder having ignition means and intake ports at each end and an exhaust port intermediate thereof, a separated compression cylinder connected at opposite ends with the intake ports of the firing cylinder, the adjacent side walls of said cylinders being provided with elongated slots, pistons in said cylinders, and a wrist pin extending through said slots and connected to each of said pistons.

1,586,033. ELECTRICAL SWITCHING APPARATUS FOR AUTOMATIC TELEPHONE-EXCHANGE SYSTEMS. CHARLES J. ERICKSON, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 14, 1905. Serial No. 287,336. 155 Claims. (Cl. 177—18.)

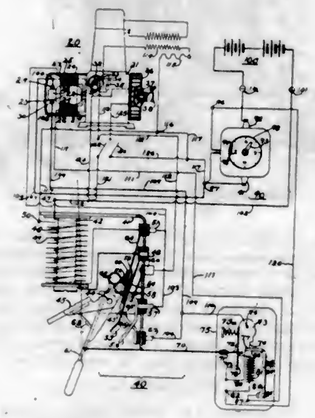


1. In a telephone system, the combination of a subscriber's line, a plurality of multiple line-terminals for said subscriber's line, a plurality of trunk-line-terminals individual to the subscriber's line and each adapted for movement independently of the others, means under the control of the subscriber for operating the trunk-line-terminals, and means under the control of the subscriber for operating the multiple line-terminals upon the removal of the subscriber's receiver.

1,586,034. ELECTRICAL APPARATUS. JOSEPH C. FEDERLE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 25, 1922. Serial No. 590,216. 9 Claims. (Cl. 290—35.)

2. A power plane comprising in combination, an internal combustion engine, an ignition circuit for the engine, a dynamo driven by said engine, a storage battery adapted to be charged by the dynamo, a controller for the connection between the dynamo and battery and for

the ignition circuit, an auxiliary ignition circuit for the engine, means for operating said controller for interrupting the ignition circuit controlled thereby and for interrupting the circuit between the battery and dynamo in response to the state of battery charge, and means under the control of the operater for causing the engine to stop automatically in response to the state of battery charge by operation of said controller or for permitting the engine to continue running with ignition supplied through said auxiliary ignition circuit after the battery has been automatically disconnected from the dynamo.



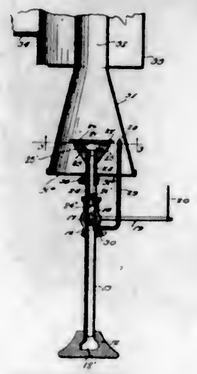
9. A power plant comprising in combination, an engine; a dynamo driven by the engine; a battery charged by the dynamo; and means for controlling a circuit of the dynamo, said means including a switch which when closed renders the dynamo operative to generate, manually controlled means for closing the switch, an electromagnet for opening the switch, two switches for controlling the circuit of the electromagnet, one of the magnet switches being closed manually and the other magnet switch being closed in response to a certain state of the battery charge, and means responsive to the energizing of the magnet for causing the manually closed magnet switch to be opened automatically.

1,586,035. ELECTROLYTIC PRECIPITATION OF COPPER. FREDERICK F. FRICK and CARL EBERHARD CARSTENS, Anaconda, Mont., assignors to Anaconda Copper Mining Company, Anaconda, Mont., a Corporation of Montana. Filed Oct. 23, 1925. Serial No. 64,454. 7 Claims. (Cl. 204—10.)

1. In a leaching electrolytic process for the recovery of copper from ores the steps which consist in treating waste solutions contining copper with a basic material capable of precipitating the copper content thereof, leaching the resulting sludge with acid, and recovering the copper content of the resulting solution by electrolysis.

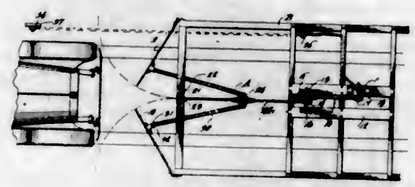
1,586,036. BLUE-FLAME BURNER. CHARLES GOLDEN FULKS, Huntington, W. Va. Filed Sept. 5, 1923. Serial No. 661,060. 1 Claim. (Cl. 158—99.)

A burner of the character specified comprising a base in which is formed a passage to receive gas from a suitable source of supply, an upright pipe attached to the base and in communication with the passage thereof, a sleeve at the upper end of the pipe, a valve in the sleeve, a mixing tube connected to the sleeve and having air inlet ports in its sides, a burner at the upper end of the mixing tube, a hood inclosing the burner and having a depending collar through which passes the mixing tube and having air inlets in its base, means carried by said collar to



secure the hood on the mixing tube and a tube connected with the said sleeve below the valve thereof and passing through an air inlet in the base of the hood and terminating adjacent the burner.

1,586,037. GARAGE DOOR OPERATOR. BENJAMIN F. GREENFIELD, Minatare, Nebr. Filed Feb. 13, 1924. Serial No. 692,565. 1 Claim. (Cl. 268—63.)

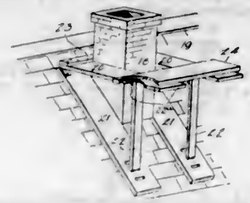


The combination with a pair of hingedly mounted doors arranged to open away from each other, a pair of divergent links connected to the doors adjacent their free ends, and a guide rod arranged rearwardly of the doors and supported in a horizontal plane, of a cross head comprising an elongated sleeve slidably mounted on the guide rod and provided with laterally extending spaced ears adapted to have secured therebetween the opposite ends of the links, said sleeve being further provided with an elongated body extending longitudinally thereof and provided with terminal upstanding lugs, sprocket wheels at the opposite sides of the cross head, a sprocket chain trained about the sprocket wheels and having its ends connected to the said terminal lugs, and means for rotating one of the sprocket wheels whereby to move the cross head in a forward or a rearward direction to open or close the doors.

1,586,038. CHIMNEY SCAFFOLD. ANSON J. HALL, Des Moines, Iowa. Filed Dec. 10, 1923. Serial No. 679,839. 1 Claim. (Cl. 304—20.)

In a chimney scaffold of the class described, a pair of laterally spaced supporting platform members, a transverse connecting member secured to the top of said supporting members at one end thereof for resting against a chimney on an inclined roof, a pair of supporting elements hinged to the undersides of said supporting members at the same ends thereof which are connected by the

transverse member to underlie the supporting platform members in inclined position on a roof, legs hinged to the undersides of said platform members at points sub-



stantially spaced from said transverse member, said legs and said inclined supporting members having coacting parts, whereby the legs are held against slipping when in upright installed position.

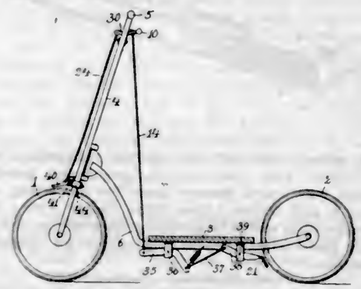
1,586,039. LAXATIVE. EMIL IMPENS, Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed May 15, 1925. Serial No. 30,613. 3 Claims. (Cl. 167—7.)

2. As a new article of manufacture a laxative being a mixture of 1.8-hydroxyanthraquinone with magnesium carbonate.

1,586,040. LAXATIVE. EMIL IMPENS, Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed May 15, 1925. Serial No. 30,614. 3 Claims. (Cl. 167—7.)

2. As a new article of manufacture a laxative being a mixture of 1,8-dihydroxyanthraquinone with magnesium oxide.

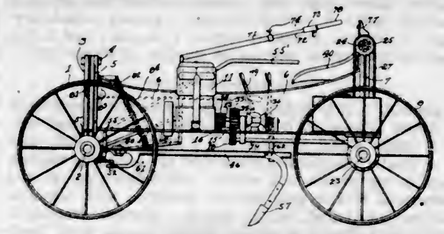
1,586,041. BRAKE FOR SCOOTERS. LAZARUS S. KALLAJIAN, Boston, Mass. Filed Oct. 23, 1924. Serial No. 745,363. 3 Claims. (Cl. 188—20.)



1. The combination with a scooter having tandem wheels, steering post, and a straight handle bar transverse to the line of the scooter's travel, of a brake comprising a straight auxiliary bar spaced below said handle bar and parallel therewith, and a brake shoe for one of said wheels connected with said auxiliary bar, said auxiliary bar being pivotally supported at its midlength by said steering post to move on an axis parallel with itself and projecting beyond both sides of said handle bar, whereby the youth operating the scooter can use both hands equally and simultaneously in braking the same.

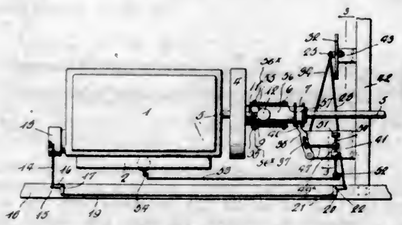
1,586,042. TRACTOR CULTIVATOR. JOHN G. KERST, Springfield, Ill. Filed Jan. 5, 1923. Serial No. 610,794. 27 Claims. (Cl. 180—1.)

1. In an agricultural machine, a power-driven truck, an inverted substantially U-shaped yoke for the support of the forward wheels, and an inverted substantially U-shaped yoke for pivotal connection with the first-named yoke, horizontal means pivotally connecting said yokes



at their centers, said yokes disposed to insure face to face engagement and to allow of lateral swing of the first-named yoke.

1,586,043. GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. JOHN G. KERST, Springfield, Ill. Filed Mar. 2, 1923. Serial No. 622,365. 11 Claims. (Cl. 123—99.)



1. In a governor for internal combustion engines, a link having a radial slot, a sleeve for transmitting movement to said link, means for giving motion to said sleeve, a fuel valve, and means whereby the movement of the sleeve positions the fuel valve, and the movement of the link relatively to the slot gives movement of the fuel valve for predetermined speed of the engine.

1,586,044. COSMETIC SERVER. ELWOOD M. REED, Detroit, Mich. Filed Nov. 22, 1923. Serial No. 676,212. 7 Claims. (Cl. 128—269.)

4. A carrier and server for liquid cosmetics, comprising a small vessel which may be manipulated with the fingers, an absorbent pad contained within the vessel and arranged to project out of one end of the vessel, a displaceable cap for the vessel, and a liquid cosmetic held in the vessel only in the said absorbent pad by capillarity.

1,586,045. PLASTIC COMPOSITION. ZENOS P. ROMERILL, Ogden, Utah. Filed Oct. 2, 1923. Serial No. 666,187. 1 Claim. (Cl. 106—29.)

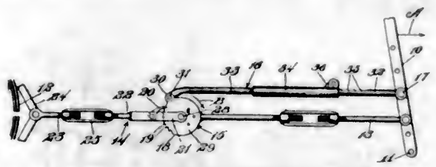
A plastic composition consisting of the following ingredients in substantially the proportions stated: pow-

dered magnesite (calcined), 42 pounds; a natural product a weathered silicious and calcareous rock with vegetable matter intermixed, 33⅓ pounds; powdered silica, 5 pounds; ochre, 5 pounds; calcite, 5 pounds; wood sawdust, 6 pounds; powdered rubber, 5 pounds; and 2 gallons of 20% crude solution of chloride of magnesium.

1,586,046. NONCONDUCTING PLASTIC COMPOSITION. ZENOS P. ROMERILL, Ogden, Utah. Filed Nov. 1, 1923. Serial No. 672,157. 1 Claim. (Cl. 106—29.)

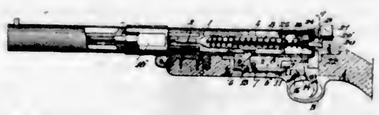
A plastic composition containing the following ingredients in the proportions stated: weathered siliceous and calcareous rock in disintegrated condition with vegetable matter intermixed, sixty pounds, calcined magnesite, twenty-five pounds, asbestos, fifteen pounds, sand twenty-five pounds, and magnesium chloride, ten gallons.

1,586,047. SLACK TAKE-UP DEVICE. DUNCAN M. RUSSELL and JAMES BUCHANAN, Walsenburg, Colo. Filed Feb. 3, 1925. Serial No. 6,595. 8 Claims. (Cl. 188—196.)



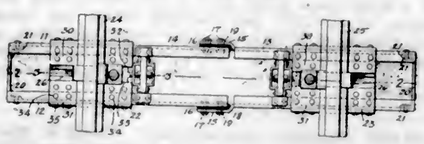
1. A slack take-up connection between a lever and a member to be shifted thereby including a link connected with the lever, a second link connected with the member, a connection between the first and second links rotatably engaged with each thereof and when rotated, varying the combined overall length of the links and a third link connecting the rotating member and lever at a point spaced longitudinally of the lever from the point of connection of the first named link therewith.

1,586,048. FIRING MECHANISM FOR MACHINE PISTOLS. HANS SCHMEISSER, Suhl, Germany. Filed Aug. 8, 1925. Serial No. 48,985. 9 Claims. (Cl. 42—3.)



6. A firing mechanism for a machine pistol of the type set forth comprising an interrupting lever, a link pivoted to the lever, a sear rod, a spring-controlled pawl pivotally connected with said sear rod, and a change-over bolt for said link.

1,586,049. TIE AND FASTENER. JOHN G. SNYDER, New York, N. Y. Filed June 20, 1924. Serial No. 721,250. 19 Claims. (Cl. 238—58.)

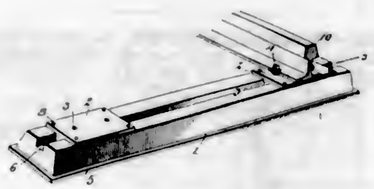


1. A tie, comprising a pair of side metallic members, a pair of supporting plates mounted on the upper surface of said members, a pair of fastener plates mounted on top of each of the supporting plates, means for connecting all of said plates together, and a pair of clips for each supporting plate for securing a rail on each pair of fastener plates, said clips being capable of adjustment longitudinally of the tie.

1,586,050. METALLIC TIE AND FASTENER. JOHN G. SNYDER, New York, N. Y. Filed Dec. 12, 1924. Serial No. 755,505. 3 Claims. (Cl. 238—31.)

1. A metallic tie including in its construction a body substantially U-shaped in cross section formed with turned down ends, and an insulating joint arranged between said ends, said joint having turned down portions, insulating means between said turned down portions, and clamping members for clamping said turned down portions together.

1,586,051. RAIL TIE AND FASTENER. JOHN G. SNYDER, New York, N. Y. Filed May 1, 1925. Serial No. 27,217. 9 Claims. (Cl. 238—60.)

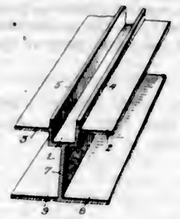


1. A metallic tie and rail fastener, comprising a tie body formed with longitudinally positioned groove in the upper part and a fastener plate for connecting a rail to the tie, said fastener plate being formed with a body, and a depending web substantially fitting said groove, said fastener plate being provided with means for clamping a rail thereto.

1,586,052. STRUCTURAL METAL BEAM. JOHN G. SNYDER, New York, N. Y. Filed June 3, 1925. Serial No. 34,729. 9 Claims. (Cl. 238—61.)

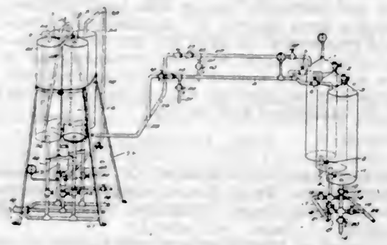
1. A structural metal beam, comprising a body formed with a substantially U-shaped structure at the center, said body extending laterally in opposite directions from the vertical center of each leg of the U-shaped structure.

1,586,053. METAL BEAM. JOHN G. SNYDER, New York, N. Y. Filed June 11, 1925. Serial No. 36,496. 5 Claims. (Cl. 189—37.)



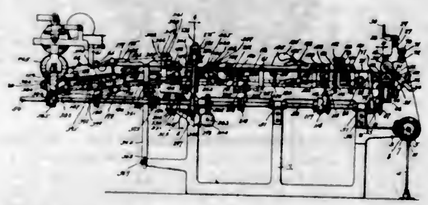
1. A metal beam, comprising a body provided with a longitudinally positioned depression, and a pair of upstanding flanges arranged on each side of said depression.

1,586,054. BURNER. CHARLES WORTH TURNER, New York, N. Y. Filed July 25, 1923, Serial No. 653,723. Renewed Aug. 22, 1925. 4 Claims. (Cl. 158—56.)



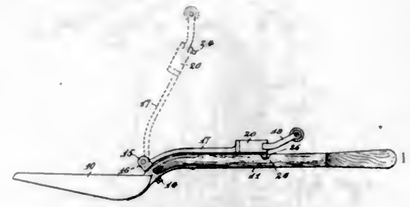
4. In a burner, a plurality of not less than three hollow cylindrical gas generating elements, a pipe connecting the top of the first element to the bottom of the second element and so on in tandem for the entire group, means for supplying water and hydrocarbon oil to the bottom of the first cylinder, means for providing a flame for heating said elements and at the same time projecting the flame beyond the elements for heating other objects, and means for directing combustible mixture in the last of said generating elements to the means for projecting the flame.

1,586,055. MACHINE FOR CUTTING OUT BLANKS FOR ENVELOPES, ENVELOPE BAGS, BAGS, FOLDING BOXES, ETC. MATTHEW VIERENGEL, Brooklyn, N. Y., assignor to M. Vierengel Machine Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 23, 1923. Serial No. 676,551. 32 Claims. (Cl. 164—20.)



1. In a machine of the character set forth, the combination with means for feeding sheets in a given path, of a composite blanking out die operating in the sheet path adapted to cut out adjacent edges of two sheets.

1,586,056. ATTACHMENT FOR SHOVELS. ARTHUR Q. WALSH, Hartsdale, N. Y. Filed Apr. 18, 1925. Serial No. 24,122. 6 Claims. (Cl. 294—58.)



2. An attachment for shovels having a blade and a main handle attached thereto which comprises a bolt passing through the main handle closely adjacent to blade and rotatably mounted thereon and an auxiliary handle pivoted to the bolt.

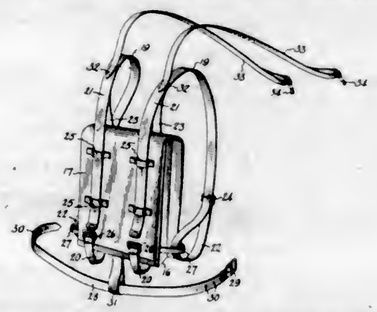
1,586,057. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 6, 1920, Serial No. 379,217. Renewed Oct. 21, 1925. 39 Claims. (Cl. 179—6.3.)

1. In a telephone system, a toll board and a local exchange, trunk lines extending from said toll board to the said exchange, cord circuits at the toll board and automatic switches at the exchange whereby toll and local subscribers' lines may be connected over said trunk lines, paystation equipment at the stations on the local lines, a number of special collect trunks extending from the toll board to the local exchange, means whereby the toll operator can obtain access to any established toll connection at the local exchange by way of one of said collect trunks and means for controlling the paystation equipment on the connected local line over the collect trunk in use in order to collect or refund coins deposited to pay for the connection.

1,586,058. BAG AND HARNESS THEREFOR. RICHARD M. WINFIELD, New York, N. Y. Filed Apr. 28, 1925. Serial No. 26,449. 4 Claims. (Cl. 224—8.)

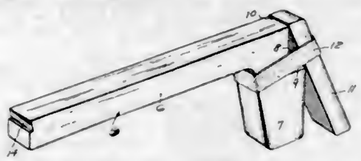
1. An article as characterized, comprising a receptacle, and a harness for supporting the receptacle, said harness comprising shoulder straps each having one end loosely

connected to said receptacle and each connected from an intermediate point thereof to the receptacle, a waist-encircling belt loosely connected to said receptacle, and



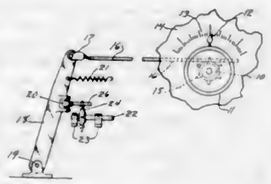
front straps connected to the shoulder straps and adapted to be connected to said belt by virtue of portions of said front straps being engageable with portions of said belt.

1,586,059. TOY PISTOL OR GUN. JOHN C. ARNOLD, Terre Haute, Ind. Filed Mar. 10, 1926. Serial No. 93,668. 3 Claims. (Cl. 124—14.)



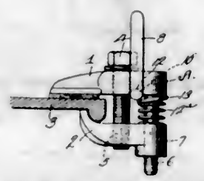
1. A toy pistol or gun having a barrel and handle, a trigger arranged adjacent to the rear end of the barrel and turning upon a portion of the handle, an elastic element to move the upper end of the trigger toward the rear end of the barrel, and a self-acting elastic projectile having its forward end adapted to detachably engage the forward end of the barrel and its rear end adapted to be detachably held between the rear end of the barrel and trigger.

1,586,060. MEANS FOR GUARDING AGAINST THE UNAUTHORIZED RECEIVING OF RADIO-COMMUNICATIONS. RAYMOND BAINTON, Greeley, Colo. Filed July 18, 1922. Serial No. 575,872. 1 Claim. (Cl. 250—10.)



In systems of the character disclosed embodying a transmitting set, having adjustable wave changing means, and a receiving set having adjustable wave responsive means, the combination of a swinging support associated with said receiving set, connecting means between said swinging support and said wave responsive means for automatically adjusting the latter in reverse directions by the swinging movements of the former, a translating key adapter, providing a keying surface of predetermined multiform irregularly successive varying outline, movably mounted in association with said swinging support, means for maintaining said swinging support in operative association with said keying surface, and actuating means for said adapter for causing said keying surface to wipe over said swinging support, the said actuating means being under synchronic control relatively to an equivalent combination of elements at the transmitting set that automatically adjusts the wave changing means of the latter.

1,586,061. ROPE AND STRAP FASTENER. EDWARD D. BARTON, Canon City, Colo. Filed Jan. 29, 1926. Serial No. 84,684. 5 Claims. (Cl. 24—263.)

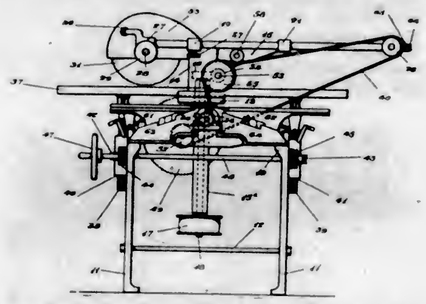


1. The combination with a clamp comprising cooperating jaws, a bolt extending through said jaws and forming means whereby said jaws may be forced together, a guide pin carried by one of said jaws and extending through a guide aperture in the other jaw, an expansion spring surrounding the guide pin and forming means for forcing the jaws apart, of a ring surrounding one of said jaws, said spring forming means cooperating with said ring between the guide pin and bolt for holding the same in close engagement with the jaw.

1,586,062. LIME TREATMENT OF SKINS. MAURICE BOURGUIGNON, Paris, France, assignor to Societe du Feutre, Paris, France. Filed Feb. 7, 1922. Serial No. 534,785. 1 Claim. (Cl. 149—2.)

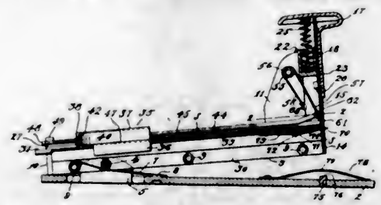
A method of treating skins for the removal of hair or wool suitable for felting purposes from said skins, which comprises previously soaking said skins in slightly acidulated water, applying lime water on the flesh side of the skins and piling up said skins hair sides together, a waterproof fabric being interposed between each pair of skins, whereby the hair or wool thereof will be protected against the lime.

1,586,063. WOODWORKING MACHINE. EDWIN DOUGLAS BOYCE, Norristown, Pa., assignor to Hutchinson Manufacturing Co., Incorporated, Norristown, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1923. Serial No. 668,271. 5 Claims. (Cl. 144—3.)



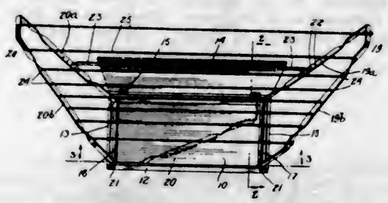
1. A woodworking machine comprising a main frame, a turn-table rotatably mounted thereon, a reciprocating carriage mounted on the turn-table, a tool shaft upon said carriage, two tool shafts mounted in the main frame, each of said tool shafts having a pulley, a vertically disposed drive shaft having a gear, a shaft mounted in the turn-table having a pulley and a gear adapted to mesh with said first gear, an idler pulley on said turn-table a second idler pulley on said carriage, and a power transmission member adapted when in one position to connect the pulleys on the turn-table with the pulleys on the carriage and adapted when in another to enter into driving engagement with the pulleys on the turn-table, the idler pulley on the carriage and the pulleys on the two tool shafts upon the main frame.

1,586,064. FEEDING MECHANISM FOR STAPLING MACHINES. THOMAS A. BRIGGS, Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Me., a Corporation of Maine. Filed Feb. 16, 1923. Serial No. 619,448. 21 Claims. (Cl. 1—3.)



4. In a stapling-machine, the combination with the stapling-mechanism including a staple-driver of a magazine for holding a supply of staples, a staple-pusher travelable on the magazine for feeding the staples one at a time therefrom, a ratchet for advancing the staple-pusher with a step-by-step motion, and means actuated by the staple-driver to reciprocate the ratchet.

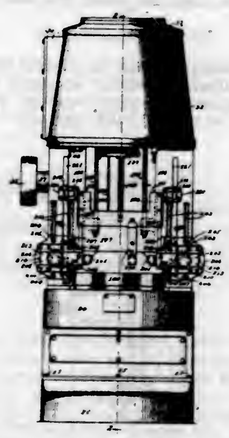
1,586,065. CLOTHES DRIER. CLARENCE DOUGLAS BROWN, Bay Side, N. Y. Filed May 25, 1925. Serial No. 32,570. 3 Claims. (Cl. 68—34.)



1. The herein described drier comprising, in combination, a casing having a hinged cover, line-supporting means mounted within the casing and movable therefrom, a flexible line supported on said means, said line supporting means being movable into position to stretch the line, and bracing means carried by the cover and co-operating with the line-supporting means while in operative position to hold the line taut.

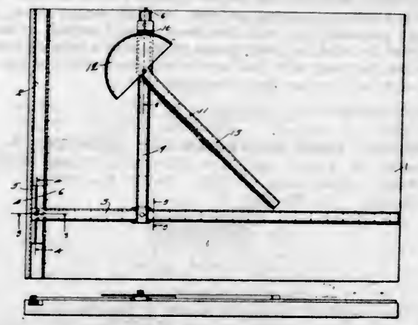
1,586,066. MULTIPLE-SPINDLE MACHINE. EDWARD P. BULLARD, Jr., Stratford, Conn., assignor to The Bullard Machine Tool Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 9, 1922. Serial No. 593,198. 53 Claims. (Cl. 29—38.)

1. In a machine of the character described, a rotary carrier, a plurality of work tables mounted thereon, means for indexing the tables, a movable tool carrying member, a tool carried thereby adapted to engage work upon one of the tables, and a second tool carrying member adapted to engage work upon another table, means actuated by said first tool carrying member at a different lineal speed from the speed of said first tool carrying member and adapted to impart movement to said second tool carrying member.



25. In a machine of the character described, a rotatable work carrier, a plurality of circumferentially spaced work tables mounted on said carrier, means adapted to be intermittently operated to index the carrier, a cam member disposed at one side of said carrier operated by said indexing means and locking means operated by said cam to lock said carrier against movement between said indexing operations.

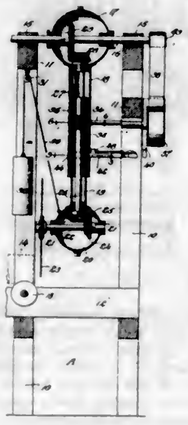
1,586,067. DRAWING BOARD. HARRY H. CHRISTIAN, Sebastopol, Calif. Filed May 29, 1923. Serial No. 642,233. 1 Claim. (Cl. 33—79.)



Drawing apparatus comprising a board having a groove, a T shaped square having a head composed of sections which are normally slidable in the groove, the sections being provided at their inner edges with aligned sockets, coil springs having their end portions housed within the sockets and the said springs having their axes disposed transversely with relation to the longitudinal dimension of the sections, said springs being under tension and with a tendency to hold the outer edges of the sections in frictional contact with the sides of the groove.

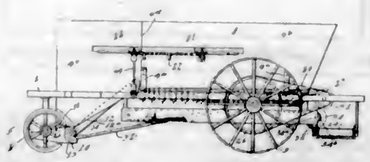
a blade fixed to one of the sections at a point midway between the axes of the coil springs and disposed transversely of both of the sections and a screw threaded through the blade and having a conical end portion entering between the sections and adapted to spread the sections to fix the T square with relation to the board, the axis of the screw being disposed in a plane at an angle to the plane in which the axes of the coil springs lie.

1,586,068. MACHINE FOR ROOFING TELEPHONE AND TELEGRAPH POLES. CHARLES R. CHURCHMAN, Shreveport, La. Filed June 26, 1925. Serial No. 39,842. 4 Claims. (Cl. 143—6.)



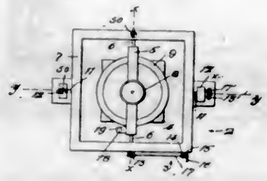
2. A machine of the class described including a drive shaft, a housing mounted on said drive shaft, a tube depending from said housing, a second tube longitudinally slidable and rotatable within said first tube, telescoped shaft sections extending through said tubes, a driving connection between one of said shaft sections and said drive shaft, a housing carried by said second tube, a shaft journaled in said last mentioned housing, a saw carried by said last mentioned shaft, and a driving connection between said last mentioned shaft and the other of said telescoping shaft sections.

1,586,069. FEED HARVESTER AND CHOPPER. RAYMOND B. CLARK and ROY C. CLARK, Walla Walla, Wash. Filed May 9, 1921. Serial No. 467,920. 6 Claims. (Cl. 56—61.)



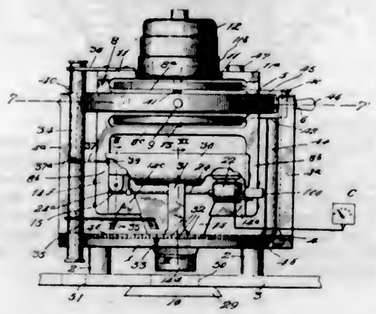
1. In a feed harvester and chopper, in combination with a frame and drive wheel, a shoe, having diverging prongs, suspended from said frame, said shoe provided with a depressed bearing portion and rearwardly extending wings, a cutting member operably mounted on the said depressed bearing portion, an elevator operably mounted, at one end, within said wings, with its other end extended rearwardly, a chopper, provided with a combined cleaning and feeding means, positioned below the said other end of the elevator, a hopper positioned about the said elevator, with its discharge adjacent to the cutting member, gathering chains operably positioned above the elevator and the cutting member, a conveyor positioned beneath the chopper, a cross conveyor positioned adjacent to said conveyor, and means for operating said machine from the drive wheel thereof.

1,586,070. METHOD OF TAKING PHOTOGRAPHS AND CAMERA MOUNTING FOR USE IN CONNECTION THEREWITH. HEREWARD LESTER COOKE, Princeton, N. J., assignor to Aero Survey Corporation, a Corporation of Delaware. Filed Aug. 3, 1921. Serial No. 489,507. 24 Claims. (Cl. 95—12.5.)



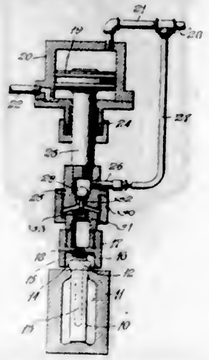
1. A camera mounting, comprising a gyrostat, a gimbal mounting therefor, and means associated with said mounting for applying substantially uniform torque to said gyrostat to cause substantially uniform precession of said gyrostat in any desired direction.

1,586,071. METHOD OF AND APPARATUS FOR TAKING PHOTOGRAPHS. HEREWARD LESTER COOKE, Princeton, N. J., assignor to Acro Survey Corp., a Corporation of Delaware. Filed June 28, 1922. Serial No. 571,510. 32 Claims. (Cl. 95—12.5.)



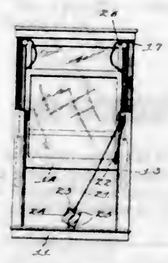
1. In combination, a camera adapted for use with an objective and sensitized medium, means for producing during exposure a relative motion between said objective and sensitized medium in a plane normal to the axis of said objective, and means for adjusting the direction of said relative motion in said plane.

1,586,072. METHOD FOR PRODUCING GROOVED CUP FINISH IN BOTTLES AND ARTICLE PRODUCED THEREBY. HARRY A. CRISPIN and HENRY J. PAWLING, Salem, N. J., assignors to Salem Glass Works, Salem, N. J., a Corporation of New Jersey. Filed June 19, 1925. Serial No. 38,186. 4 Claims. (Cl. 49—18.)



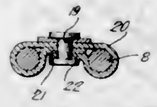
1. The method of forming a groove in a glass bottle neck having an upstanding top or corking end rising from a flanged rim, which consists in telescoping said upstanding corking end into said rim while the glass is in semi-molten condition, to form a cup-shaped groove.

1,586,073. AUTOMATIC WINDOW CLOSER. THOMAS E. DAVIS, Chambersburg, Pa. Filed Sept. 6, 1921. Serial No. 498,735. 4 Claims. (Cl. 268—123.)



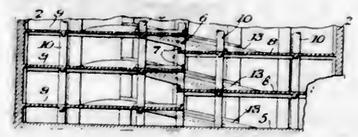
1. In a device of the class described, the combination of a window frame, a sash arranged for vertical movement therein, a counterbalance weight having a flexible connection with said sash, means for supporting said weight when the sash has been raised to one position, and means for supporting said sash when said sash has been raised to a higher position, comprising a breakable portion.

1,586,074. ANTISKIDDING DEVICE. CHARLES L. DENISON, Oneida, N. Y. Filed Apr. 11, 1924. Serial No. 705,758. 1 Claim. (Cl. 24—241.)



In an anti-skidding device, a detachable link connection comprising a link having ends bent into hook form and the sides of the link between the said hook ends being spaced apart, a spring steel keeper arranged with its ends adjacent to the said hook ends of the link, a strap passing over both sides of the link and closely around the said sides, the ends of the strap being brought tobether one upon the other beneath the middle of the strap, the said keeper being arranged upon the upper surface of the middle of the strap, and a rivet passing through the keeper and through the middle of the strap and through both ends of the strap to secure all the parts together.

1,586,075. GARAGE. FERNAND E. D'HUMY, Englewood, N. J., assignor to Ramp Buildings Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 15, 1925. Serial No. 56,483. 1 Claim. (Cl. 20—113.)



A garage building comprising two groups of superposed horizontal storage floors located at opposite sides of a vertical dividing plane, the floors of one group being disposed in planes intermediate the planes of the floors of the other group; and two series of oppositely inclined superposed ramps extending through the dividing plane at spaced points and extending out at opposite sides of the plane, each ramp of each series connecting two storage floors located at opposite sides of the dividing plane the inner side edges of said ramps being open, the spaces between the floors of each group being open to the opposed spaces of the other group through and along the length of the dividing plane extending between the two series of ramps to render any two adjacent superposed storage floors of either group visible from the opposed intermediate floor of the other group at any point of observation along the space between the ramp connections of said intermediate floor, the passageways over the ramps of both series being laterally open to the adjacent floors of both groups over the inner longitudinal edges of the ramps, whereby from a position on any one of said floors or on any one of said ramps the floors and ramps at adjacent levels will be visible and whereby from any floor the entire lengths of the ramp passageways leading thereto will be visible across the inner longitudinal edges of the ramps and through the dividing plane.

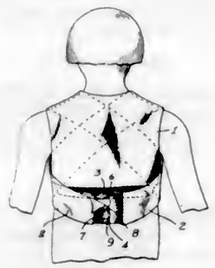
1,586,076. PROCESS FOR PRODUCING PERFORATED SHEET SPONGE RUBBER. CHARLES T. DICKEY, Elizabeth, N. J. Filed Apr. 4, 1925. Serial No. 20,768. 7 Claims. (Cl. 18—53.)

1. In the process of producing perforated sheet sponge rubber having its entire surface covered with solid rubber, the steps which comprise passing perforating means through a sheet of unvulcanized rubber, maintaining said perforating means within the rubber sheet during vulcanization and vulcanizing the unvulcanized rubber sheet.

1,586,077. COMBINED MUFFLER AND SCARF. DULCIE EVANS, Kent, England. Filed Nov. 9, 1925. Serial No. 67,715. 3 Claims. (Cl. 2—92.)

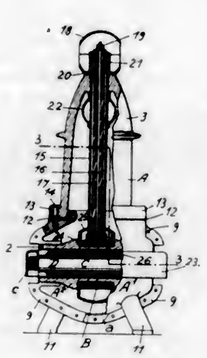
1. A combined muffler and scarf, comprising a back portion, two muffler portions connected to the upper part

of the back portion and of length sufficient to cross over the chest of the wearer and meet at the back, means for



fastening together the ends of the muffler portions, and means for fastening the muffler portions to the back portion.

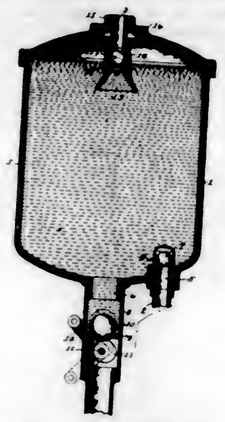
1,586,078. MEANS FOR CONVERTING ELECTRIC CURRENTS. FRANZ JOSEF FISCHER, Dresden, Germany. Filed Mar. 13, 1924. Serial No. 698,978. 6 Claims. (Cl. 175—361.)



1. A device of the kind described, comprising an insulating hollow body, an enlarged metallic bi-sectional portion on said body, an insulating substantially tubular support traversing said metal portion, one of a pair of induction coils on the outside of said support, a complemental coil of said pair in the interior of said support and electric connections with said coils at the inside and outside of said body.

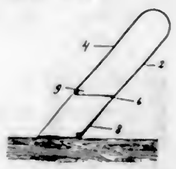
1,586,079. WATER-CLOSET-FLUSHING MEANS OF COMPRESSED ENERGY TYPE. FRED FORMANECK, Chicago, Ill. Filed Apr. 22, 1924. Serial No. 708,123. 1 Claim. (Cl. 4—28.)

In a water closet flushing means of the type described, the combination of a closed tank having an inlet-outlet orifice at top, a bushing fitting said orifice, an externally screw threaded nipple fitting said bushing and depending into said tank, a valve casing attached to the lower end of said nipple and formed with an intermediate holding cavity having a funnel shaped skirt beneath the cavity



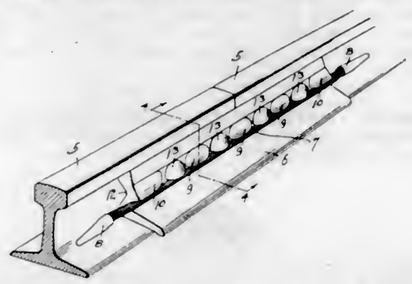
and a spherical valve in said cavity and free to move therein, the skirt being adapted to direct the contained air or water against the under side of the valve.

1,586,080. COMBINED DRAWING-PIN EXTRACTOR AND RECEPTACLE. KARL HERMAN FREDLUND, Stockholm, Sweden. Filed Feb. 8. 1924. Serial No. 691,418. 8 Claims. (Cl. 254—28.)



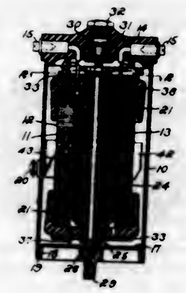
1. In a device of the class described, a walled receptacle having a tack inlet opening, and a pair of gravitating gates mounted to alternately cover or uncover said opening according to the position in which the device is held.

1,586,081. CONNECTION DEVICE FOR RAILWAY RAILS. JOSEPH GANIME and PETER GANIME, Russelton, Pa. Filed May 7, 1925. Serial No. 28,584. 4 Claims. (Cl. 238—243.)



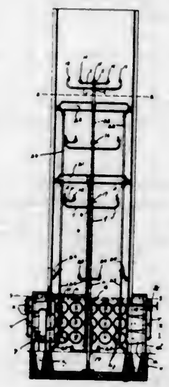
1. Rail bond protecting means comprising a splice bar having bolt holes and protuberances disposed adjacent to said bolt holes and in position to overlie a rail bond.

1,586,082. INDUCTION COIL. RALPH A. GILBERT, Pittsfield, Mass. Filed Feb. 26, 1925. Serial No. 11,716. 5 Claims. (Cl. 175—361.)



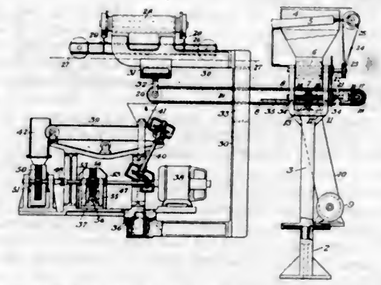
1. In an induction-coil, in combination, a core, primary and secondary windings surrounding the core, caps enclosing the windings, and laminated field plates arranged on at least one of the caps, said field plates each having a radial slot therein, and means provided on the corresponding cap for requiring all of the field plates to be assembled with the slots in registering position.

1,586,083. SPRAY TOWER. CHARLES E. GREENE, Winchester, Mass., assignor to E. B. Badger and Sons Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 21, 1921. Serial No. 463,118. 6 Claims. (Cl. 261—116.)



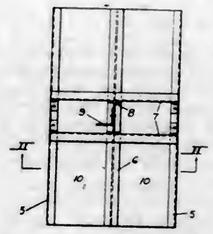
4. A spray tower having confined air intake flues in its base part, nozzles arranged to direct liquid in the form of spray through said flues from without to within the tower, nozzles arranged within the tower for ejecting the liquid to be cooled as an upwardly directed spray, and means for collecting liquid thus discharged and spraying it a second time into the current of air traversing the tower.

1,586,084. MATERIAL-HANDLING APPARATUS. HENRY E. HENRICKS, Beaver, Pa., assignor to United States Sanitary Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 17, 1924. Serial No. 713,951. 26 Claims. (Cl. 22—80.)



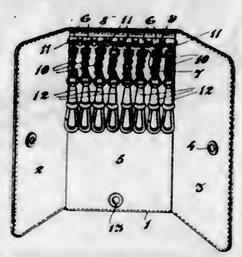
1. In a mold making apparatus, a frame adapted to be bodily moved longitudinally or transversely, means for supplying sand to said frame, and a projector pivotally mounted on said frame receiving sand from said means and delivering it to a mold, substantially as described.

1,586,085. FOOTING FOR STRUCTURAL ELEMENTS. HAROLD O. HILL, Aspinwall, Pa., assignor to Riter-Conley Manufacturing Company, Leetsdale, Pa., a Corporation of Pennsylvania. Filed May 5, 1924. Serial No. 711,185. 5 Claims. (Cl. 72—77.)



1. A footing for structural elements comprising a pair of connected members having guideways therein, and a concrete slab adapted to be slid into position between said members and having its edges received in the guideways.

1,586,086. KEY CASE. JOSEPH HODGKINS, Walsall, England. Filed Feb. 26, 1925. Serial No. 11,639. 3 Claims. (Cl. 150—40.)



1. A key-case comprising a body-part, an inner lining therein formed with open loops, swivel links suspended from said loops, swivel members for the attachment of keys thereto, and flexible connections between said swivel links and swivel members.

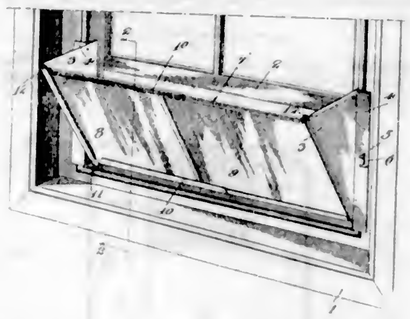
1,586,087. COOLING COMPOUND FOR AXLES. CHARLES C. HOWE, Wyoming, R. I., and STEPHEN W. LIBBY, Watertown, Mass., assignors to Warren Soap Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1922. Serial No. 533,648. 3 Claims. (Cl. 87—9.)

3. A compound for cooling and lubricating hot bearings of railway rolling stock comprising lubricating mineral oil containing saponifiable fatty oil, water-soluble soap, and water in such proportions as to form a stable composition of a paste-like to substantially solid consistency, whereby the soap and water in said compound will absorb heat from the bearings and maintain the oil at a temperature insufficient to vaporize the oil; such mixture also containing incorporated throughout its body, a solid lubricant which is a flake-like soft silicate mineral not substantially harder than mica, and having lubricating properties, the amount of such solid lubricant being substantially over one half of the amount of said lubricating mineral oil and the amount of soap being substantially over one third the amount of said mineral oil.

1,586,088. LETTER. TIMOTHY JELLOW, Quincy, Mass., assignor of one-half to George Di Bond, Quincy, Mass. Filed Aug. 13, 1925. Serial No. 49,997. 4 Claims. (Cl. 40—140.)

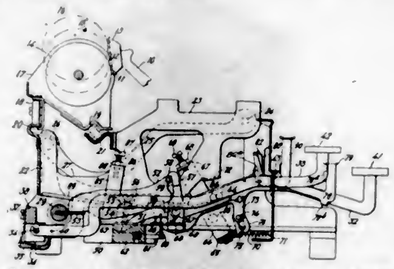
1. An element capable of forming part of a design and comprising a base member provided with a component part of the design and having edges provided with steps some of which are of varying sizes according to the characteristics of the component part of the design, to obtain the proper spacing of the component parts when said base members are assembled to form the design.

1,586,089. WINDOW SHIELD. FRANK H. KREWSON, Philadelphia, Pa. Filed Nov. 7, 1924. Serial No. 748,336. 2 Claims. (Cl. 98—31.)



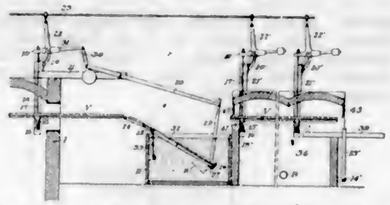
1. A device of the character described including side plates adapted to be attached to a window frame and having spirally curved edges, and a front plate having spirally curved side edges slidably swingably and detachably fitting the spirally curved edges of the side plates and adapted to form a shield against weather.

1,586,090. TYPEWRITING MACHINE. ALFRED G. F. KUKOWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 22, 1922. Serial No. 576,662. 20 Claims. (Cl. 197—72.)



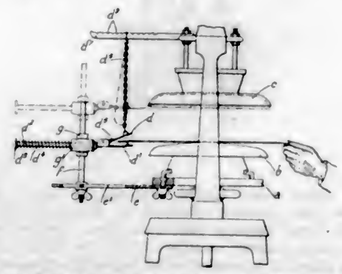
1. In a typewriting machine, a platen, a frame on which the platen is mounted for movement between case-positions, an arm for effecting such movement of the platen-frame, a finger on the arm at right angles to the arm, and a tooth on the finger engageable with the platen-frame to lock the same against movement when the platen-frame is in normal position.

1,586,091. METHOD OF AND APPARATUS FOR HANDLING GLASS. CHARLES W. KURTZ, Pittsburgh, ORAH M. BYERS, Kane, LOUIS R. SCHMERTZ, Ligonier, and LAWRENCE A. GESSNER, Jeannette, Pa., assignors to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed May 1, 1922. Serial No. 557,657. 8 Claims. (Cl. 49—1.)



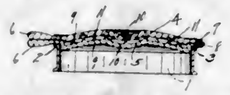
1. In a glass handling apparatus, an interrupted glass-carrying means, a lehr through which one section of said means passes, a heating chamber through which another section of said means passes, and means between the lehr and heating chamber for dipping the glass carried by said means.

1,586,092. MACHINE FOR MAKING HAT SHAPES. NICOLAS LEICK, Paris, France, assignor to The Société Leroy & Cie., Paris, France, a Corporation of France. Filed Feb. 25, 1924. Serial No. 695,125. 5 Claims. (Cl. 223—31.)



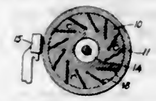
1. In a hat-shaping machine, upper and lower mold members, one of said members being movable toward and away from the other member, supporting means carried by the movable member, posts carried by the supporting means, elements vertically adjustable on the posts, and gripping jaws pivotally connected to said elements in such manner that the jaws may be tilted vertically toward or away from the mold members.

1,586,093. WAFFLE IRON. JOSEPH LEITNER, Manitou, Colo. Filed July 2, 1924. Serial No. 723,688. 1 Claim. (Cl. 53—10.)



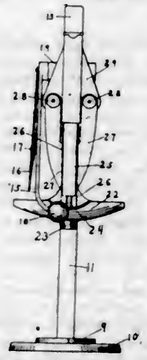
A waffle iron comprising parallel, complementary mold sections, each of said mold sections comprising an outer annular portion having an outer free edge, and a center portion, the said annular portion, when the sections are in their normal, closed position, being gradually outwardly and downwardly curved to its outer, free edge, and said center portion being downwardly depressed.

1,586,094. TYPEWRITING MACHINE. JOSEPH LINDBURG, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 26, 1922. Serial No. 596,960. 7 Claims. (Cl. 197—144.)



1. A platen for a typewriting machine, comprising a face-sleeve of hard rubber or other suitable material, and a relatively rigid core slotted throughout its entire length from the periphery thereof tangentially inward, at intervals therearound.

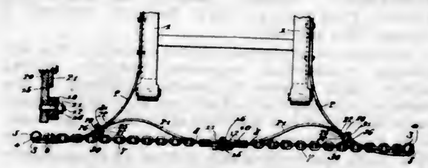
1,586,095. FRUIT-JUICE EXTRACTOR. ALBERT R. LONG, New York, and RALPH P. CLARKSON, New Rochelle, N. Y., assignors to Leigh Best, New York, N. Y.; Samuel T. Callaway executor of said Leigh Best, deceased. Filed July 11, 1922, Serial No. 574,334. Renewed Jan. 19, 1926. 10 Claims. (Cl. 100—41.)



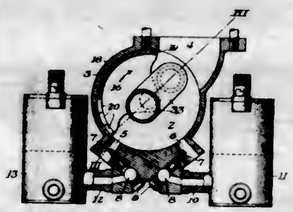
1. In a device of the character described fruit supporting means, means for dividing a fruit positioned on said supporting means, and a plurality of laterally movable squeezing plates operatively connected with said dividing means.

1,586,096. BUMPER FOR AUTOMOBILES. EDWARD A. LYNCH, Penfield, Pa. Filed Oct. 6, 1925. Serial No. 60,710. 7 Claims. (Cl. 293—55.)

1. In a bumper, the combination of resilient spring members located at the opposite ends thereof, a crosswise extending spring plate having slidable connection at its opposite ends with the said resilient spring members, and articulated members having connection at their outer ends with the said oppositely disposed resilient spring members.

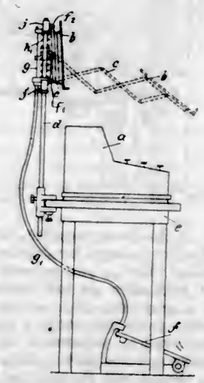


1,586,097. CARBURETOR. JOHN F. MCCARTHY, Pittsburgh, Pa., and FRANK W. OFELDT, Detroit, Mich., assignors of one-eighth to John J. Lyons, and three-eighths to John H. Weeks, both of Pittsburgh, Pa. Filed May 14, 1919. Serial No. 296,983. 2 Claims. (Cl. 261—41.)



1. In a carburetor, a throttle chamber having an outlet leading to the intake of the engine, and also having a plurality of separate air inlets opening into said chamber, a separate fuel nozzle discharging into each of said inlets, and a throttle in said chamber arranged to successively uncover different of said inlets without changing the area of said outlet, certain of said inlets being so proportioned that with predetermined engine capacities with which the carburetor is adapted to be used the pressure difference across said inlets will not drop below the critical point, substantially as described.

1,586,098. ADJUSTABLE MANUSCRIPT HOLDER. EUGEN MANDLER and OTTO MANDLER, Vienna, Austria. Filed Oct. 31, 1922. Serial No. 598,207. 6 Claims. (Cl. 120—28.)

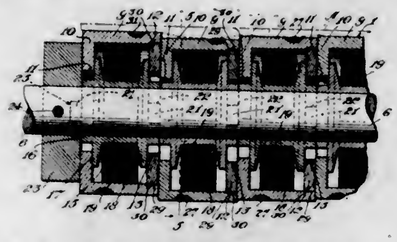


1. An adjustable manuscript holder comprising a support, a holder, mechanism operatively connected with said support and said holder for bodily moving said holder away from said support and into a lower position and means for actuating said mechanism.

1,586,099. MANUFACTURING PROCESS FOR CEMENTS CONTAINING IRON AND ALUMINA COMBINATIONS. ERNEST MARTIN, Aix-en-Provence, France. Filed Sept. 11, 1924. Serial No. 737,129. 5 Claims. (Cl. 106—25.)

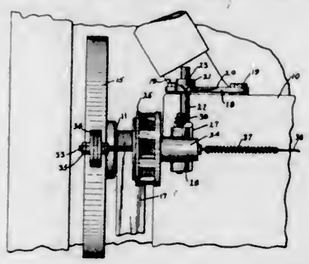
1. A process of producing cements containing iron and aluminum combinations possessing hydraulic binding qualities, which consists in forming a mixture of raw materials containing $CaCO_3$, Fe_2O_3 and Al_2O_3 in the proportions of more than two molecules of $CaCO_3$ for each molecule of Fe_2O_3 and one molecule of $CaCO_3$ for each molecule of Al_2O_3, and burning said mixture at a temperature below the melting point of any of the ingredients.

1,586,100. RING ROLL FOR LEATHER-SPLITTING MACHINES. JOSEPH A. MEYER, Newark, N. J. Filed May 22, 1924. Serial No. 715,067. 9 Claims. (Cl. 69—13.)



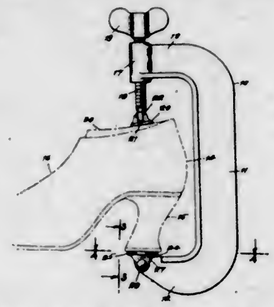
1. In a ring roll, the combination of a shaft, a plurality of ring sections mounted thereon and capable of displacement transversely thereof, and independent yielding means for each of said ring sections interposed between its respective ring section and said shaft for yieldingly holding said ring sections against such displacement, said yielding means having driving frictional contact with their respective ring sections, and means for operatively connecting adjacent yielding means, whereby said yielding means may be driven one from another.

1,586,101. SIREN AND DRIVING MEANS THEREFOR. LESTER H. MILES, Los Angeles, Calif. Filed Aug. 22, 1925. Serial No. 51,884. 2 Claims. (Cl. 116—58.)



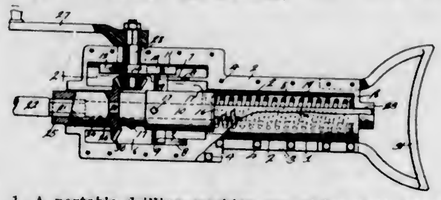
2. In a device of the class described, an engine frame, a fan mounted thereon, means for driving said fan, said fan including radial vanes, a rim on said vanes, a siren, means to mount said siren on said engine frame, said means including a projecting plate on the engine frame, an aperture in said projecting plate, a bracket having a post mounted for vertical adjustment in said aperture, said siren including a rotor and a stator, said bracket having a pair of spaced lugs thereon, said stator having a lug thereon fitted between said first mentioned lugs, a shaft passing through all of said lugs, means to urge said shaft in one direction, said rotor having a friction disc thereon, said disc being mounted adjacent to the periphery of said fan wheel, a spring for swinging said siren in one direction to contact with the rim of said fan and means for swinging said siren in another direction out of contact therewith.

1,586,102. CLAMP. CHARLES MILLER, Brooklyn, N. Y. Filed Mar. 17, 1923. Serial No. 625,823. 2 Claims. (Cl. 12—125.)



1. In a clamp of the class characterized, the combination with a spanning frame, of a jaw member with a flat head having protruding from one of its faces two spaced lugs straddling and pivoted on one end of the frame for being adjusted to inclined positions relative to the other end of the frame.

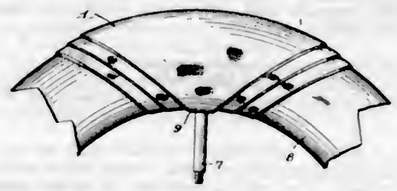
1,586,103. DRILLING MACHINE. WILLIAM H. MILLER, Wiconisco, Pa. Filed Jan. 21, 1926. Serial No. 82,705. 3 Claims. (Cl. 255—42.)



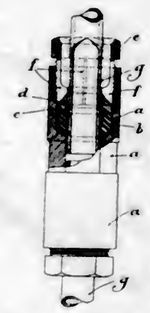
1. A portable drilling machine comprising a casing, a drill receiving sleeve rotatably mounted in one end of the casing, a hammering shaft slidably mounted in the sleeve and adapted to cooperate with a drill in the sleeve, a hammering member adjustably mounted in the shaft, a coiled spring interposed between the hammering member and one end of the casing, an operating shaft rotatably mounted in the casing to one side thereof, a gear carried by the rotatable sleeve, a gear carried by the operating shaft and meshing with the first mentioned gear and adapted to rotate the same, an operating crank carried by the operating shaft, a star wheel carried by the operating shaft, oppositely disposed guide lugs carried by the hammering member, a roller carried by one of said guide lugs and with which the star wheel cooperates, oppositely disposed arms carried by the casing and forming guide recesses for the lugs, said casing being formed from sections which when brought together form the bearings for the movable parts, said lug guide arms being carried by the sections of the casing and forming guide recesses when the sections are brought together.

1,586,104. BLOW-OUT PATCH. OARY A. MOREHOUSE, Cameron, Mo. Filed July 20, 1925. Serial No. 44,831. 6 Claims. (Cl. 152—24.)

4. In combination with an inner tube having a valve stem, a blow-out patch adapted to be wrapped around the inner tube and having portions provided with openings receiving the valve stem, said portions being arranged in overlapping relation on the portion of the inner tube around the valve stem, and the remainder of the patch snugly fitting around the inner tube.



1,586,105. PIPE COUPLING. JEAN LOUIS LÉON ALEXANDRE ALBERT MOULET, Paris, France. Filed Mar. 21, 1923. Serial No. 626,507. 1 Claim. (Cl. 285—166.)

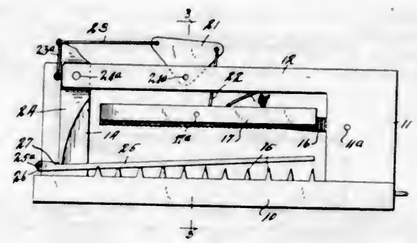


A coupling and packing device for smooth cylindrical members comprising in combination a body, cylindrical members extending through said body, a U section sleeve made of soft metal located between said cylindrical members and said body, said sleeve having a thin wall and being open along the outer cylindrical face thereof, a yieldable packing ring of plastic material filling said sleeve, a tubular gland having longitudinal slots along a portion of the wall thereof, said slots forming elastic tongues between them, said gland having a conical and concave pressing end face, an intermediate ring between said gland and said sleeve and having a conical and convex face adapted to engage the pressing end face of said gland and to cause the lateral extension of said tongues, whereby an elastic braking against the inner face of the body is ensured, and a conical and concave face adapted to engage said sleeve, the bore diameter of said intermediate ring and said sleeve being greater than the diameter of said cylindrical members whereby an angular displacement of said cylindrical members relatively to one another is allowed.

1,586,106. PROCESS FOR MAKING A HIGHLY-ACTIVE CHARCOAL IN GRAINS. HELLMUTH MÜLLER-CLEMM, Mannheim, and ERWIN SCHMIDT, Mannheim-Waldhof, Germany, assignors to the Firm Gesellschaft für Chemische Produktion m. b. H., Mannheim-Waldhof, Germany, a Corporation of Germany. Filed Oct. 24, 1924. Serial No. 745,703. 8 Claims. (Cl. 252—3.)

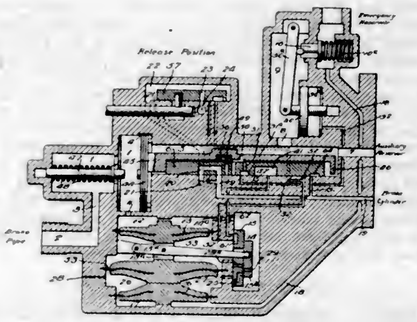
1. A process for making highly active charcoal in grains which comprises granulating vegetable substances, impregnating the said granulated substances with a potassium sulphide, and heating the impregnated material to incandescence with exclusion of air.

1,586,107. DEADFALL TRAP. LEONIDAS H. MYERS, Seymour, Ind. Filed June 27, 1925. Serial No. 40,004. 6 Claims. (Cl. 43—78.)



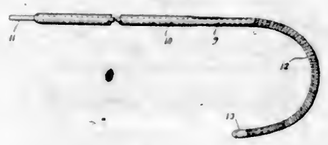
1. A dead-fall trap comprising a frame having a base, a lever pivoted upon the frame, a dead-fall pivotally connected to the lever, a spring urging the dead-fall downward toward the base, a latch operatively connected to the dead-fall, and a trigger engageable with the latch to hold the dead-fall raised and when released from the latch permitting the dead-fall to drop under the action of the spring.

1,586,108. QUICK-ACTION DIAPHRAGM-OPERATED VALVE. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, New Castle, Del., a Corporation of Delaware. Filed May 27, 1925. Serial No. 33,182. 16 Claims. (Cl. 303—39.)



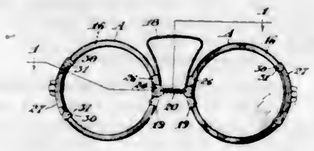
1. A diaphragm-operated device comprising a casing, an actuating diaphragm therein forming an actuating chamber, an equalizing diaphragm larger in area than the actuating diaphragm, a controlling diphragm smaller in area than the equalizing diaphragm and forming a quick-action chamber between the equalizing diaphragm and the controlling diaphragm and forming a control pressure chamber between the controlling diaphragm and the casing, means for establishing an operating pressure in the control pressure chamber, means for varying the pressure in the actuating chamber, means actuated by the diaphragms when said diaphragms are moved toward the actuating chamber to admit fluid pressure into the quick-action chamber to assist the pressure in the control pressure chamber in moving the diaphragms toward the actuating chamber, and a device adapted to be operated by said diaphragms when they are moved by the pressures in the control pressure chamber and in the equalizing chamber.

1,586,109. SPECTACLE TEMPLE. JOHN N. NELSON, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed May 9, 1924, Serial No. 712,007. Renewed Apr. 15, 1926. 4 Claims. (Cl. 88—52.)



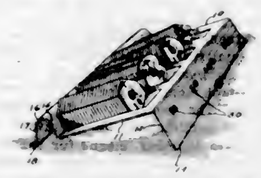
1. A spectacle temple formed of a wire having a non-metallic covering, the ear-engaging portion of the covering being in a helical form, the pitch of the helix being gradually reduced towards the end of the temple.

1,586,110. SPECTACLES. FRANK F. NEWHOUSE, Glendale, Calif. Filed Aug. 23, 1923. Serial No. 658,855. 1 Claim. (Cl. 88—41.)



In a device of the character described, in combination with a pair of spectacles having lenses for correcting or improving defective vision, of a pair of supplemental lenses, a spring, a plate on each of said supplemental lenses to which the ends of said spring are attached whereby said supplemental lenses are yieldably connected together, a pair of spaced hooked members on each of said supplemental lenses arranged diametrically opposite said plates and adapted to engage the outer end portions of the spectacles; the hook members on the respective supplemental lenses being normally spaced apart a distance less than the length of the span between the end portions of the spectacles whereby on engaging the hook members with the spectacles said spring will be placed under tension and thereby exert an inward pull on said supplemental lenses to yieldably maintain said hook members in engagement with the spectacles.

1,586,111. GAME-COUNTING DEVICE. VERN M. OSBORN, Los Angeles, Calif. Filed Oct. 16, 1924. Serial No. 743,858. 4 Claims. (Cl. 273—148.)

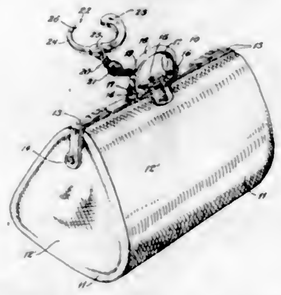


1. In a device of the character described, a sheet metal tray comprising an inclined body part, said body part having an inclined front flange and an inclined rear flange whereby the trays may be nested, said body having a plurality of recesses therein, and counters removably fitted in said recesses.

1,586,112. BRACELET HOOK. CHARLES H. PATTEN, Providence, R. I., assignor to Rex Manufacturing Co., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 16, 1925. Serial No. 23,705. 4 Claims. (Cl. 24—233.)

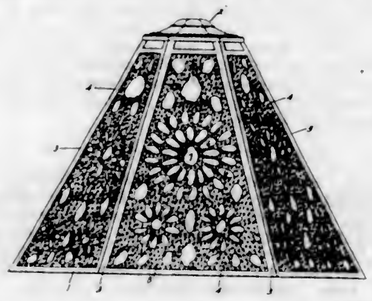
1. A bracelet hook formed of sheet stock having an outer body plate folded to form a hook at one end, an inner body plate spaced therefrom, a spring pressed tongue pivoted at one end to said inner plate and positioned to have a portion close the mouth of the hook and a portion of said tongue to extend through said outer plate to be engaged and swung back to open the hook.

1,586,113. THEFTPROOF BAG. JOHANNES O. PEDERSEN, Brooklyn, N. Y. Filed June 30, 1924. Serial No. 723,299. 1 Claim. (Cl. 190—61.)



In combination with a bag having a carrying handle, an eye provided in said handle, a wrist locking device comprising a pair of separable co-acting pivoted sections, a length of flexible chain, one of the end links of said chain passing through said eye and the other end link passing through said co-acting sections and serving as a pivot for the same, and a swivel interposed between the ends of said flexible chain.

1,586,114. MANUFACTURE OF TRANSPARENCIES. EDWARD H. PENCE, Portland, Oreg. Filed Apr. 28, 1922. Serial No. 557,112. 8 Claims. (Cl. 41—21.)



1. The art of manufacturing transparencies which consists in incorporating according to a preconceived design, coarse and intermediate ingredients respectively permeable to light to constitute a composite self-sustaining mass.

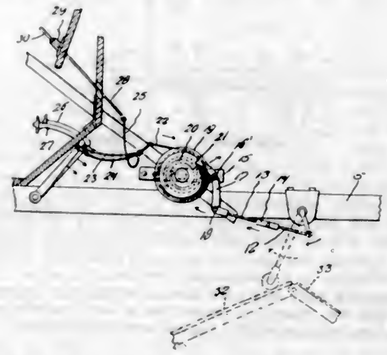
1,586,115. PRODUCTION OF PHOSPHORUS PRODUCTS. GUSTAV PISTOR, Griesheim-on-the-Main, and ERNST BORSBACH, Bitterfeld, Germany, assignors to the Firm: Chemische Fabrik Griesheim Elektron, Griesheim-on-the-Main, Germany. Filed Feb. 6, 1925. Serial No. 7,291. 3 Claims. (Cl. 23—165.)

1. The method of treating phosphorus compounds which comprises subjecting phosphorus vapors laden with dust to the dust precipitating action of electricity at a temperature above the dew point of phosphorus.

1,586,116. PROCESS FOR THE PRODUCTION OF GLUCOSIDES OF DIGITALIS. FRANZ RAHN, Nieder-Ingelheim-on-the-Rhine, Germany, assignor to C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, a German Society. Filed July 13, 1925. Serial No. 43,384. 8 Claims. (Cl. 167—4.)

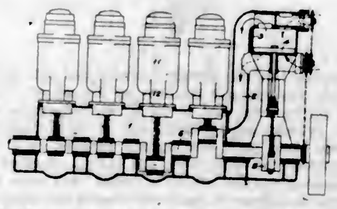
1. Process for the production of digitalis glucosides, consisting in treating watery extracts of digitalis-leaves with alcohols which are hardly soluble in water.

1,586,117. AUTOMOBILE SAFETY DEVICE. HOMER RICH, Vincennes, Ind., assignor of one-eighth to John M. Latshaw, Oaktown, Ind. Filed June 15, 1925. Serial No. 37,254. 6 Claims. (Cl. 188—167.)



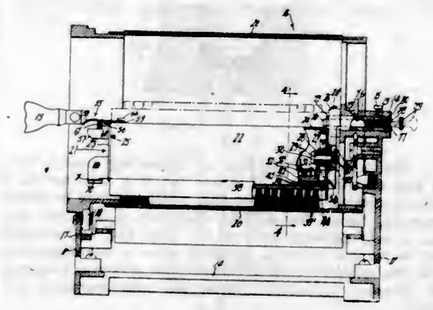
1. A mechanism of the class described including a spring actuated drum, means for normally holding the drum in an inactive position, a flexible member associated to wind on the drum and adapted to be operatively connected with the control pedals of an automobile, and an apparatus for releasing the drum, in order that the flexible member may be wound thereon, and the control pedals actuated to stop the automobile.

1,586,118. TWO-STROKE INTERNAL-COMBUSTION MOTOR. ANDERS HARALD ROSBORG, Stockholm, Sweden. Filed Aug. 30, 1923. Serial No. 660,067. 1 Claim. (Cl. 123—59.)



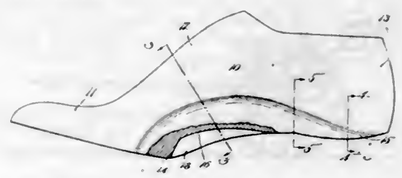
In a two-stroke internal combustion engine, the combination with a plurality of engine cylinders, of a crank case common to all the cylinders, means for supplying compressed air to said crank case, and means affording communication between the crank case and the several engine cylinders and through which compressed air passes directly from the crank case to all of the cylinders.

1,586,119. STENCILING MACHINE. EDWARD G. ROWLEY, Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 19, 1924. Serial No. 726,937. 27 Claims. (Cl. 101—119.)



1. In a duplicating machine, the combination with a revoluble stencil cylinder, of an ink-fountain supported within said cylinder, said fountain having a channel in the interior wall thereof and a series of ink-feeding ports communicating from said channel to the exterior of the fountain, said ports being enlarged adjacent said channel to form ink-pockets or cavities, and means closing upon said channel and forcibly expelling ink from said ink-pockets or cavities through the ports and onto the wall of the cylinder.

1,586,120. LAST. WILLIAM SAKLAD, Boston, Mass. Filed Aug. 26, 1925. Serial No. 52,582. 2 Claims. (Cl. 12—133.)

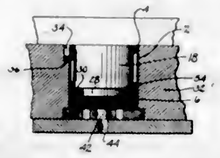


1. An improved last provided with a longitudinal instep arch extending from the ball of the toe portion to adjacent the rear end of the heel, a recess in the bottom of the last, separate from the longitudinal arch, to permit an arch supporter to be formed in the shoe made on said last between the first and fifth metatarsal joints to support the anterior arch of the foot, the longitudinal arch being elongated forwardly of said recess and extending rearwardly to adjacent the rear end of the heel to permit natural positioning of the os calcis in the shoe made on said last, and the outside drop shank and cuboid extension being so constructed as to result in the supporting of the outer longitudinal arch of the foot by said shoe.

1,586,121. RUBBER-VULCANIZATION ACCELERATOR. WINFIELD SCOTT, Akron, Ohio, assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Sept. 9, 1925. Serial No. 55,386. 10 Claims. (Cl. 18—53.)

1. The process of preparing vulcanized rubber which comprises treating rubber and a vulcanizing agent in the presence of the carbon bisulfid derivative of the reaction product of a secondary amine and an aldehyde.

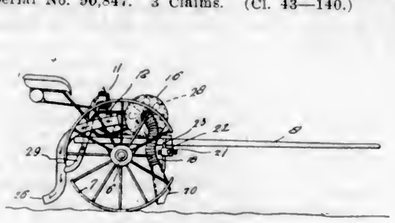
1,586,122. PROCESS OF MAKING BASES AND RECEPTACLES FOR VACUUM TUBES. FRANK H. SHAW, East Orange, N. J. Original application filed Aug. 20, 1919, Serial No. 318,838. Divided and this application filed July 18, 1922. Serial No. 575,892. Renewed Aug. 17, 1925. 6 Claims. (Cl. 18—59.)



1. The process of molding an insulating closure into air and moisture proof fit in one end of a shell having a reduced opening at its other end, which consists in partly confining, during the molding operation, a marginal portion of said material between the shell wall and vertical and horizontal pressure surfaces upon a non-expansible male die, whereby both a vertical and a lateral compacting pressure are exerted upon the said marginal material.

5. The method of molding a body of plastic insulating material to the open end of a tubular foraminous metallic shell which comprises applying the material to one side of the shell adjacent said open end and forcing an increment of said material into interlocked engagement extending into an aperture in said shell by means of pressure exerted on the material.

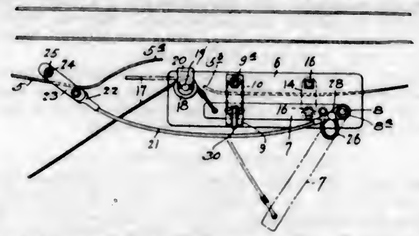
1,586,123. POTATO-BUG EXTERMINATOR. DOMINIC F. SIKORSKI, Bronson, Mich. Filed Feb. 26, 1926. Serial No. 90,847. 3 Claims. (Cl. 43—140.)



1. In a potato bug exterminator of the character described, a wheel supported frame adapted to be drawn between rows of potato plants, an internal combustion engine supported upon said frame, suction fans arranged upon the frame at the opposite sides thereof, a driving connection between the fans and said engine, suction pipes leading from the fan casing, nozzles upon said pipes adapted to be arranged over the rows of plants, exhaust pipes leading from said fan casing and through which the bugs are adapted to be projected, spaced ribs within said pipes against which the bugs will be thrown in great force, a common discharge manifold for said pipes, and an exhaust pipe leading from said motor into said common manifold for subjecting the bugs to the action of the gases from the engine.

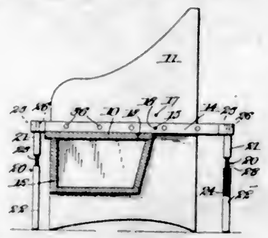
1,586,124. ELECTRICAL CONNECTER FOR TRANSMISSION LINES. CHARLES SMITH, Pittsburgh, Pa. Filed June 21, 1924. Serial No. 721,489. 5 Claims. (Cl. 175—265.)

1. An electrical wire fastening device comprising a switch block, and means on said block for detachably connecting a conductor thereto, a flexible electrical connection secured to said block, means on said connection for



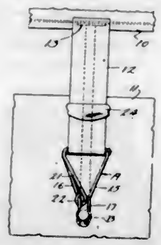
detachably engaging a second conductor, and a movable contact device for controlling the circuit through said first-named conductor and said flexible connecter.

1,586,125. COMBINATION BED AND SETTEE. EMANUEL A. SPEEGLE, Los Angeles, Calif. Filed May 23, 1923. Serial No. 640,856. 1 Claim. (Cl. 5—43.)



An article of furniture having a seat, sides supporting said seat and each having a vertical row of opening therein, a back, pivot pins insertable selectively through said openings and into said back, said back being adapted for swinging to a substantially horizontal position resting on said seat, said back having sockets, and supporting legs for removable connection in said sockets, and said legs being extensible for the purpose specified.

1,586,126. FASTENER. GUSTAV F. STORM, Sanborn, Iowa. Filed Oct. 14, 1925. Serial No. 62,469. 1 Claim. (Cl. 24—245.)

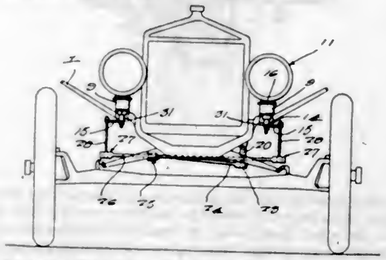


In a fastener, an eye having a constricted jaw portion, and a latch, the eye and latch being formed of a single length of spring wire bent to form two converging arms connected by said jaw portion, one of said arms being looped back upon itself and thence inclined to a point closely adjacent the other arm, and thence provided with a ring receiving the arm which is looped back upon itself, to limit the movement of the latch toward the other arm, and the other arm being extended to meet said looped portion and secured thereto to form a completely closed eye said ring being disposed substantially parallel to the plane of the jaw.

1,586,127. TUBE-LEAK DETECTOR. GUSTAV F. STORM, Sanborn, Iowa. Filed Oct. 14, 1925. Serial No. 62,470. 6 Claims. (Cl. 73—51.)

1. A leak detector including a substantially flat disk having an opening, and an elastic diaphragm on one face of said disk and sealed thereagainst along a line encircling said opening and enclosing an area at least several times larger than that of the opening.

1,586,128. DIRIGIBLE HEADLIGHT. COLEMAN SUTTON, Jeffersonville, Ind. Filed July 18, 1925. Serial No. 44,474. 2 Claims. (Cl. 240—62.)

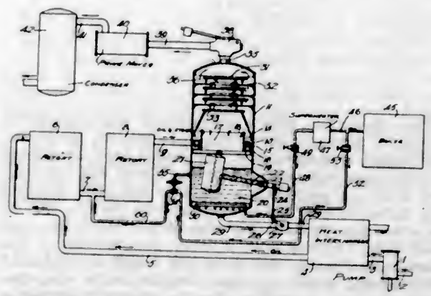


1. In a headlight structure of the class described, a standard adapted to be supported from a conventional fender brace, a socket at the top of said standard, a bearing block provided with a bearing opening, a stem adjustably connected with said block and having a ball connector on its end received in said socket, a retaining screw carried by the socket and engageable with the ball for supporting the bearing block in various adjusted positions, and a headlight including a shaft rotatable in the bearing opening of said block.

1,586,129. GELATINE FOOD. HANS THIELE, Nieder-Ingelheim-on-the-Rhine, Germany, assignor to C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, a German Society. Filed July 13, 1925. Serial No. 43,394. 6 Claims. (Cl. 99—11.)

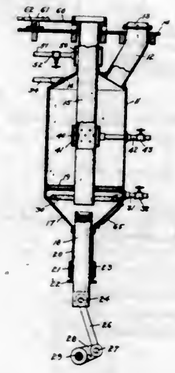
6. Composition of matter for the manufacture of gelatine foods, comprising in combination gelatine, and lactic acid free from anhydride, which has been absorbed in a calcium salt of lactic acid.

1,586,130. APPARATUS FOR DISTILLING HYDROCARBONS. MILON J. TRUMBLE, Los Angeles, Calif. Filed Apr. 16, 1923. Serial No. 632,287. 5 Claims. (Cl. 196—104.)



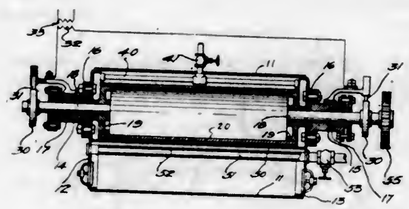
1. In oil distilling apparatus, the combination of: means for raising oil to the desired temperature of volatilization; a separator into which the heated oil is delivered; means for regulating the discharge of oil from said separator in proportion to its entrance thereinto; means associated with the vapor outlet of said separator for definitely regulating the pressure within said separator; and means for converting the expansive heat energy of the vapor products from said separator into mechanical energy.

1,586,131. APPARATUS FOR PRODUCING SOLID FUEL. MILON J. TRUMBLE, Los Angeles, Calif. Filed Feb. 9, 1924. Serial No. 691,650. 21 Claims. (Cl. 44—2.)



1. An apparatus for producing solid fuel comprising: a retort having an opening through which carbonaceous material may be introduced into said retort; means for effecting a gas tight closure of said opening; an eduction pipe extending through one end wall of said retort and having an open end adjacent to the other end of said retort; means for heating the material in said retort; and a plunger so placed as to force material from the interior of said retort into the open end of said eduction pipe.

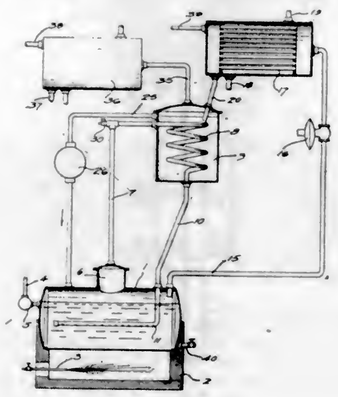
1,586,132. APPARATUS FOR REFINING OIL. MILON J. TRUMBLE, Los Angeles, Calif. Filed Sept. 2, 1924. Serial No. 735,356. 3 Claims. (Cl. 196—121.)



1. In an evaporator for treating petroleum oils, the combination of: a cylinder; two shafts, one projecting from one end of said cylinder and the other projecting from the other end of said cylinder, said shafts having a common axis about which said cylinder rotates; a tight casing enclosing said cylinder; an oil inlet means for delivering oil onto said cylinder; a vapor outlet means for withdrawing oil vapor from said casing; two bearings, one supporting one of said shafts and the other supporting the other of said shafts; means for electrically

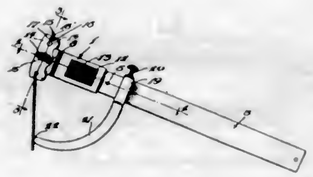
insulating said bearings from said casing and means for impressing an electromotive force between one end of said cylinder and the other end of said cylinder.

1,586,133. CONTINUOUS REFLUXING STILL. MILON J. TRUMBLE, Los Angeles, Calif. Filed Sept. 8, 1924. Serial No. 736,436. 9 Claims. (Cl. 196—99.)



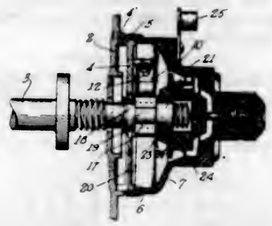
1. An apparatus for cracking oils comprising: a still; means for heating said still; a refluxing coil; means for delivering vapors from said still to said refluxing coil; means for delivering condensate from said refluxing coil to said still; a condenser; means for delivering vapor from said still to said condenser; walls forming a rerun chamber in which said refluxing coil is situated; means for delivering condensates from said condensate to said rerun chamber; means for delivering surplus liquid from said rerun chamber to said still; and means for condensing vapors produced in said rerun chamber.

1,586,134. SAW SET. HERMAN W. UHLENKOTT, Ferdinand, Idaho. Filed Aug. 13, 1925. Serial No. 50,115. 3 Claims. (Cl. 76—71.)



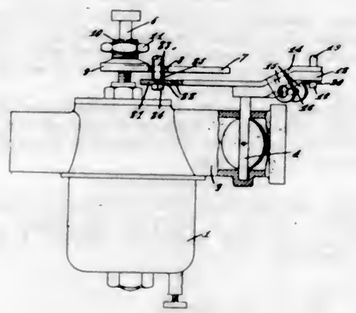
1. A saw set comprising a stock having a longitudinal bore therein, a head having a threaded stem rotatably adjustably fitted in the bore, a sleeve nut fitting the said stem and rotatable in the stock, the end of the stock having seats therein radial to the bore, the head having radial bosses engaging at their inner edges in the seats, and a gauge member extending opposite one side of the stock, the bosses being of different thicknesses and having saw tooth receiving notches in their outer edges.

1,586,135. GAS-ENGINE IGNITER. ERNEST C. WILCOX, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 12, 1923. Serial No. 662,202. 6 Claims. (Cl. 200—21.)



2. As an article of manufacture, a breaker cam for an igniter including a sleeve-like member having cam surfaces thereon intermediate its ends and having an annular ring-like projection thereon at one end and a portion of reduced cross section at the opposite end.

1,586,136. MEANS FOR CONNECTING AND OPERATING SHAFTS. ARTHUR WILLIAM WINTERBORNE, San Antonio, Tex. Filed Mar. 12, 1920, Serial No. 365,213. Renewed Oct. 30, 1925. 1 Claim. (Cl. 74—5.)

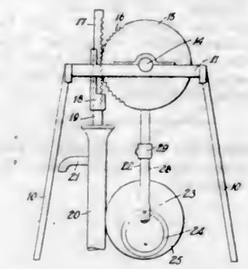


The combination with a support, and shafts journaled therein, of means for connecting and operating the shafts, said means comprising first and second arms overlapped at their inner ends, one arm having a slot, and the other arm having a projection movable in the slot, the first arm having a split sleeve receiving one shaft, a nut on the sleeve and clamping the same on said shaft, the other shaft being provided with a crank, and the second arm being superposed on the crank, the second arm and the crank having alined openings, the second arm being provided with ears located on opposite sides of the crank, a tightening device connecting the ears, and an operating member including a finger received in the openings of the crank and the second arm.

1,586,137. ILLUSION DEVICE. JOHN H. ZANATH, Woodlawn, Pa. Filed Dec. 5, 1925. Serial No. 73,323. 6 Claims. (Cl. 273—153.)

1. A device of the character described comprising a body having a series of openings therethrough and a blank opening on opposite sides of said body in alinement with said series of openings, and a peg adapted to be inserted in one of said openings.

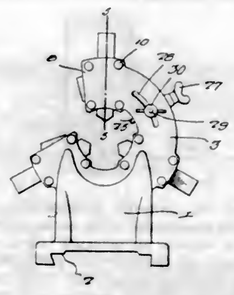
1,586,138. PUMP MECHANISM. JOSEPH BECKER, Waring, Tex. Filed June 4, 1925. Serial No. 34,763. 3 Claims. (Cl. 24—14.)



1. In a device of the class described, a pump casing and a plunger slidable therein, a rack bar mounted on said plunger, a toothed disk engaging said rack bar, a pendulum extending downwardly and mounted on said disk, said pendulum being adapted to partly rotate said disk and reciprocate the plunger, a sheave wheel adapted to actuate said pendulum, an eccentric channel formed in said sheave wheel, a stud on said pendulum engaged in said channel, said sheave when rotated causing the eccentric channel to arcuately swing said pendulum, and a weight adjustably mounted on said pendulum.

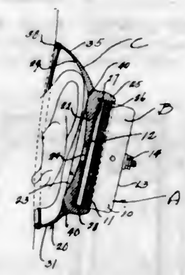
1,586,139. LATHE ATTACHMENT. ABRAHAM BIVINS, Denver, Colo. Filed Mar. 10, 1924. Serial No. 698,256. 7 Claims. (Cl. 82—39.)

1. A device of the class described comprising complementary segmental sections, segmental rack members supported in said sections, a plurality of jaws slidably supported between said sections and between said rack members therein, means on said segmental rack members for moving the jaws radially with respect to said



sections, and a pinion operable between said rack members for actuating the latter in opposite directions in said sections.

1,586,140. RECEIVER FOR RADIO AND TELEPHONE APPARATUS. RALPH W. S. BONNETTE, Washington, D. C. Filed Dec. 9, 1924. Serial No. 754,859. 8 Claims. (Cl. 179—182.)

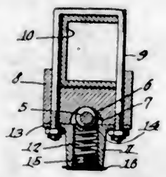


1. As an article of manufacture a cap for telephone receivers comprising a body formed of rigid material and including a receiver body attaching flange rearwardly thereof and forwardly thereof providing a substantially elliptical shaped compartment of a size to receive the ear of a wearer therein without cramping when the edge of the cap rests adjacent the side of the head of the wearer, and a flexible head engaging head carried by the outer edge of the cap about said elliptical shaped compartment.

1,586,141. HEADDRESS FOR SPORTSWOMEN. HERBERT MAURICE BUCKLEY, Tooting, London, England. Filed Oct. 15, 1924. Serial No. 743,785. 2 Claims. (Cl. 2—176.)

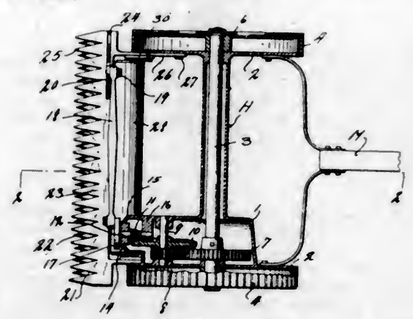
1. In an article of sport headwear, the combination of a head encircling band comprising upper and lower reinforcing members and a stiff member connecting the same thereby providing a bandeau of fixed head size, an eye shade carried by the front of the bandeau and a flexible open-work hair confining portion carried by the top of the bandeau.

1,586,142. BRACE. WILLIAM P. CHANDLER, Greenville, S. C., assignor of one-half to Solomon J. Eassy, Greenville, S. C. Filed Sept. 1, 1925. Serial No. 53,882. 1 Claim. (Cl. 267—66.)



In a radius rod connector, a block having an upper cut out portion to permit the block to be positioned over the side rail of a vehicle, an inverted U-bolt adapted to embrace a portion of the side rail and adapted to extend through the block to secure the block to the side rail, said block having a socket member, a removable supporting section having an opening extending therethrough and adapted to be secured to the under surface of the block adjacent to the socket member, a removable member for closing the outer end of the supporting section, a spring resting on the removable member and adapted to be adjusted by the movable member, a seat supported at one end of the spring, said seat being curved to engage a head on one end of a radius rod.

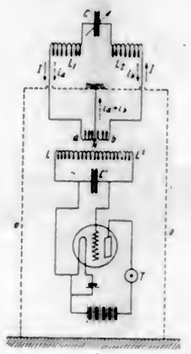
1,586,143. LAWN MOWER. JAMES W. COOPER, Boca Raton, Fla., and JAMES B. MORRIS, Nashville, Tenn. Filed May 26, 1925. Serial No. 32,967. 1 Claim. (Cl. 56—261.)



A lawn mower comprising, in combination, a housing, a shaft supported by the housing, ground engaging wheels mounted on the shaft, a hollow stationary bar supported by the housing in advance of the ground engaging wheels, the forward marginal portion of the bar being provided with a series of V-shaped recesses, a sickle bar slidable within the stationary bar, an arm carried by the sickle bar and extending exteriorly of the stationary bar through a slot therein, means for connecting the shaft with said arm for reciprocating the sickle upon rotation of the shaft, circular plates formed integral with the ends of the housing, a roller positioned between the circular plates and to the rear of said stationary bar, and means supported by the circular plates for adjusting the roller with respect to raising and lowering of the stationary bar and sickle bar slidable therein.

1,586,144. STATION FOR DUPLEX WIRELESS TELEGRAPHY. HENRI JEAN JOSEPH MARIE DE REGNAULD DE BELLESCIZE, Toulon, France. Filed Aug. 18, 1919. Serial No. 318,368. 10 Claims. (Cl. 250—9.)

1. In a station for duplex radio telegraphy, a receiver comprising a secondary circuit and a balanced receiver frame coupled thereto, said frame comprising in series a principal self induction capable of being directed and serving as a closed aerial, a tuned condenser and a coupling coil inductively coupling the frame with the secondary circuit, the center of the coupling coil being con-

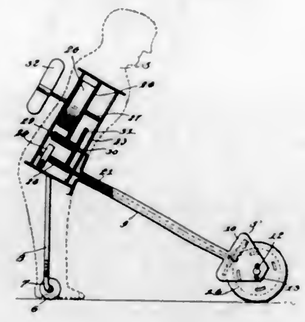


nected to the ground and the circuit of the frame being electrically symmetrical with respect to this ground, and a Faraday cage enclosing the whole of the receiver circuit, with the exception of the movable self induction and the tuned condenser of the frame.

1,586,145. PROCESS FOR THE PRODUCTION OF PURE LECITHIN. OTTO DENGLER, Tutzing, near Munich, Germany, assignor to the Firm C. H. Boehringer Sohn, Chemische Fabrik Nieder-Ingelheim a. Rhein, Nieder-Ingelheim-on-the-Rhine, Germany, a Corporation of Germany. Filed May 11, 1925. Serial No. 29,619. 14 Claims. (Cl. 260—98.)

1. Process for the production of pure lecithin, comprising combining lecithin containing impurities with cholic acid salts, freeing the latter from the impurities by means of solvents, and separating the lecithin again from the purified compounds.

1,586,146. WHEELED TOY. JOSEPH J. FIORE, Birmingham, Ala. Filed Sept. 3, 1925. Serial No. 54,206. 4 Claims. (Cl. 46—45.)

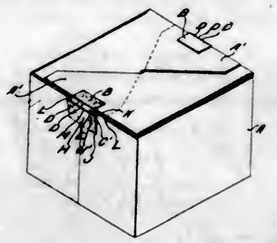


1. A toy of the character described comprising the figure of a man, a roller supporting said figure, a lawnmower connected with said figure, a spring motor mounted within said figure, and a train of gearing connecting said motor with the drive wheels of said mower.

1,586,147. HAND BAG. WILLIAM E. FLORY, Brooklyn, N. Y. Filed Apr. 6, 1925. Serial No. 21,120. 4 Claims. (Cl. 150—12.)

2. A device of the character described comprising a receptacle formed of yielding material having an open upper end, a supporting member, means for fixedly securing said receptacle at one point along the edge of its open end to said supporting member, and the remaining portions of the edge of said open upper end being slidably connected to said supporting member at each side of said point of fixed securement and freely movable about said supporting member towards and from said point of securement whereby to cause the closing and opening, respectively, of said open upper end by the change of position of said supporting member, substantially as specified.

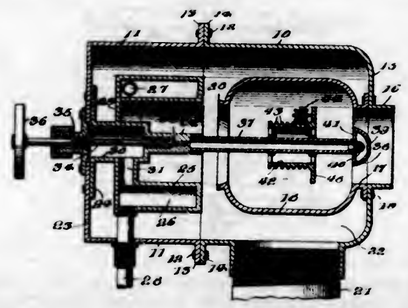
1,586,148. LOCK FOR CARTONS. HERMAN L. GREVE, Brooklyn, N. Y., assignor to The Thompson & Norris Co., a Corporation of New Jersey. Filed Aug. 27, 1921. Serial No. 496,056. 5 Claims. (Cl. 229—47.)



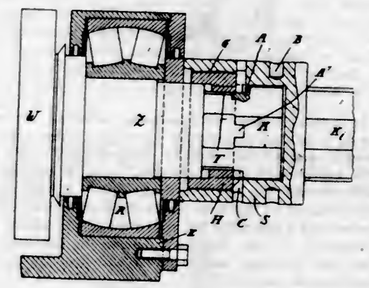
1. A lock made of sheet metal comprising a male and a female member having attaching means integral with each adapted to firmly secure same in proper position on a receptacle to effect a closure, said female member having a slot and an abutment adjacent said slot, said male member having hook-like elements adapted to pass through said slot and co-operate with said abutment, said slot being of such width as to required springing of the said male member upon forcing the latter into said female member whereby when said male member is fully inserted said male member will spring back to its normal position and cause said abutment and said hook-like elements to inter-engage.

1,586,149. OIL BURNER. HENRY GRIFFOUL, Cleveland, Ohio. Filed Mar. 31, 1925. Serial No. 19,715. 3 Claims. (Cl. 198—76.)

3. An oil burner comprising inner and outer casings having registering outlet tubes, an oil supply nozzle extending through said first and second-named casings and having a perforated substantially semi-spherical head communicating with the outlet tubes and said inner casing, a cylindrical member having bearings slidable on said nozzle, said cylindrical member being constantly open for the passage of air and adapted for communicating with the semi-spherical head of said nozzle, the forward portion of said member being provided with an annular flange to close the space between said semi-spherical head and the walls of said burner tubes, and means whereby said member may be moved longitudinally.



1,586,150. ROLLING MACHINE. RICHARD HEIN, Witkowitz, Czechoslovakia. Filed Aug. 6, 1923. Serial No. 656,037. 4 Claims. (Cl. 80—1.)

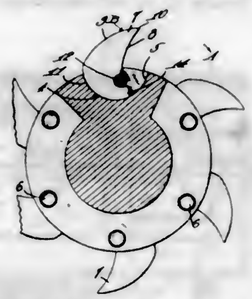


1. In a rolling machine of the character described, the combination with a roll trunnion, of an antifriction-bearing, a cross-shaped extension axially projecting from said trunnion, a sleeve having outside thread and adapted to fit on said extension, and a cap-nut adapted to engage with the thread of said sleeve, essentially as and for the purpose set forth.

1,586,151. BIT OR CUTTING TOOL. LOUIS F. HESS, Ansted, W. Va., assignor, by direct and mesne assignments, to Daniel Boone Mining Machine Company, a Corporation of West Virginia. Filed May 8, 1922. Serial No. 559,302. 1 Claim. (Cl. 262—25.)

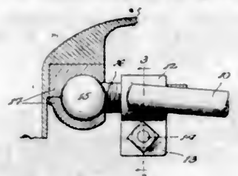
An auger of the class described, provided with a seat of common width throughout its entire extent, the seat having a base which is continuously concaved from one end of the seat to the other, a securing element mounted in the auger and extended across the seat, and a bit of common width throughout its entire extent, the bit being mounted in the seat and having a notch receiving the securing element, the bit being engageable with the securing element by rotary movement about the axis of the securing element when the securing element is received in the notch, the bit having a cam edge cooperating with the base of the seat, the space within the seat and in front of the bit being open, so that the bit can be swung far

enough in one direction, on the securing element, to stop the movement of the bit in said direction solely by the engagement between the cam edge of the bit and the con-



caved base of the seat, the bit terminating in a cutting point located outwardly of the auger and extended beyond a radius passing through the center of the auger and the center of the securing element.

1,586,152. FRONT RADIUS ROD FOR MOTOR VEHICLES. LOUIS F. HUCKER, Harper, Oreg. Filed Mar. 28, 1923. Serial No. 628,307. 3 Claims. (Cl. 267—66.)

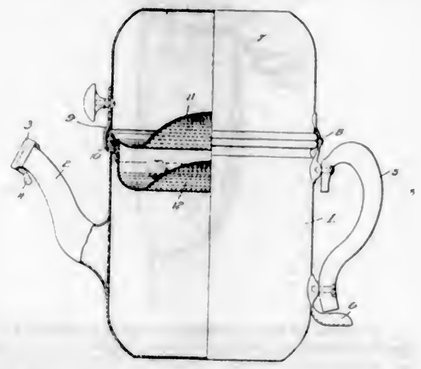


1. In a front radius rod for motor vehicles, the combination of a pair of rearwardly converging arms integrally connected at their rear ends by a sleeve split at its lower side and provided with depending ears, a ball member screwed through the sleeve and adjustable for varying the effective length of the rod, and a bolt extending through said ears and adjustable for contracting the sleeve about said member to lock the ball member in adjusted position as well as clamp said member and prevent stripping of the threads thereof.

1,586,153. PLUMB LEVEL. HERBERT L. HUNTER, Cleveland, Ohio. Filed July 9, 1923. Serial No. 650,266. 1 Claim. (Cl. 33—210.)

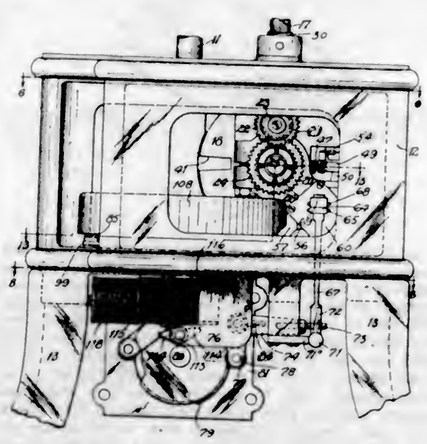
In a plumb level, a stock, sections having slidable connections with the stock to be extended relative thereto or to be moved together to cover the stock, a metal strip carried by the stock, means carried by the sections to engage said strip to lock the sections in desired relation to the stock, means carried by the stock to automatically engage and lock the sections in predetermined relation to the stock, a pendulum supported in a recess formed in the stock, weights carried by and movable relative to the pendulum, index fingers carried by the pendulum, a dial with which said fingers cooperate, a screw mounted in the stock for engaging and holding the pendulum against movement, and a leveling vial carried by the pendulum, all said parts being covered by the sections when in closed positions.

1,586,154. COFFEEPOT. OREL S. KARNES, Sr., La Grange, Ill. Filed May 8, 1925. Serial No. 28,856. 1 Claim. (Cl. 53—3.)



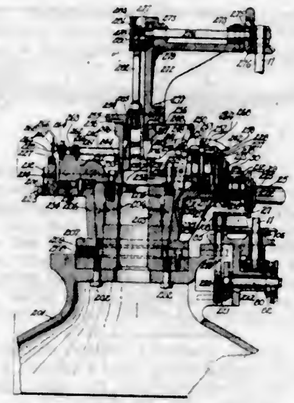
A coffee pot of the class described including, in combination, a coffee holder formed of two similar members disposed one above the other, each member including a concavo-convex inverted cup-shaped central portion and a marginal gutter portion, the gutter portion of the lower member being deeper than the gutter portion of the upper member.

1,586,155. MACHINE FOR GAUGING ROUNDNESS AND TAPER OF ROLLS. JEREMIAH KELLER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 15, 1923. Serial No. 657,644. 55 Claims. (Cl. 209—88.)



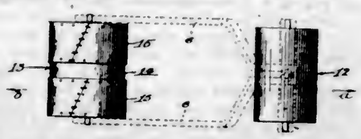
1. A machine for gauging rolls comprising a rotary disk adapted to receive rolls, a taper gauging device, disposed in the path of a roll in said rotary disk, a second rotary disk provided with pawls adapted to receive rolls from said first mentioned disk, said taper gauging device being in an electric circuit adapted to be closed by an off-taper roll and a tripping device actuated by said electric circuit to trip a pawl carrying a roll that is off taper.

1,586,156. ROLL GAUGING MACHINE. JEREMIAH KELLER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 24, 1925. Serial No. 4,589. 27 Claims. (Cl. 209—82.)



1. A roll gauging machine comprising a taper gauging device, a roundness gauging device, a size gauging device, means for carrying rolls past the taper gauging device and the roundness gauging device to be gauged thereby, means controlled by said gauging devices for ejecting rolls that are off taper and rolls that are out of round and means for delivering to the size gauging device rolls that are satisfactory as to taper and roundness and means for coordinating the operation of said feed means with said gauging devices.

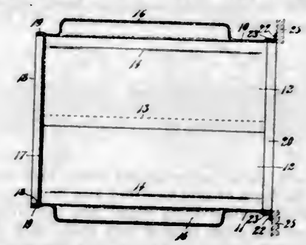
1,586,157. STREET-PAVING ROLLER. HARRY W. LARTER, Oak Park, Ill., assignor of one-half to C. H. White, Chicago, Cook County, Ill. Filed June 8, 1925. Serial No. 35,525. 3 Claims. (Cl. 94—50.)



1. A street paving roller, comprising in combination, a supporting frame having a fork swiveled thereto at one end, a steering roller journaled on said fork and a driving roller journaled on the other end of said frame, said driving roller having two closely spaced tread portions forming the major part of the tread surface of the roller, and the width of said first mentioned roller being substantially the same as the combined width of the two spaced tread portions of the driving roller and the space therebetween.

1,586,158. OVEN FOR ELECTRIC RANGES. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Jan. 6, 1926. Serial No. 79,562. 1 Claim. (Cl. 126—275.)

In an oven for electric ranges, an upper body having a top section and integral side wall sections at right-angles with the top section, a lower body having a bottom section and integral side wall sections at right-angles with the bottom sections, outwardly off-set laps on the side wall sections of one of said bodies, said laps overlapping the ends of the side wall sections of the opposite body and welded thereto so that the main portions of the side wall sections of one body align with those of the other body, outwardly off-set peripherical laps on both ends of the structure formed by the aforesaid union of said bodies, a rear wall having an out-turned peripherical flange, said wall being inserted in the rear of said structue so that said flange is confined in the lap thereon and welded to

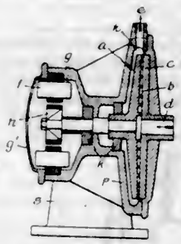


the lap, an internal band confined in the lap on the forward end of the structure and welded thereto so that the inner surface of the band aligns with the inner surfaces of the adjacent parts of the structure, and a radially disposed peripherical flange on the outer edge of said band abutting the edges of the latter mentioned lap.

1,586,159. LOW-TEMPERATURE EXPLOSION PROCESS OF DISINTEGRATING WOOD AND THE LIKE. WILLIAM H. MASON, Laurel, Miss. Original application filed Sept. 24, 1924, Serial No. 739,748. Divided and this application filed July 6, 1925. Serial No. 41,898. 6 Claims. (Cl. 92—1.)

1. The process of disintegrating ligno-cellulose material which consists in introducing same into a high-pressure chamber, introducing moist fluid in the said chamber, introducing compressed gas into said chamber at a pressure higher than that of the moist fluid material, and discharging the contents of the chamber through a relatively restricted outlet, whereby material is disintegrated without being subjected to temperatures which would char or discolor.

1,586,160. MOLECULAR VACUUM PUMP. FRANÇOIS MAURON, OSKAR SEITZ, and JULIUS JONAS, Baden, Switzerland. Filed Feb. 20, 1926. Serial No. 89,531. 6 Claims. (Cl. 230—11.)

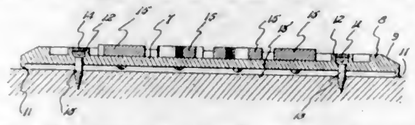


1. A pump, including two discs, one of which has a plane surface, and the other of which is spirally grooved and has a concave surface in the grooves and a plane surface between the grooves, which latter surface is in contiguous association with the plane surface of the first described disc.

1,586,161. INDICATING NUMBER AND PLATE. ERROLL JAMES NALLS, Detroit, Mich. Filed Sept. 21, 1925. Serial No. 57,627. 2 Claims. (Cl. 40—140.)

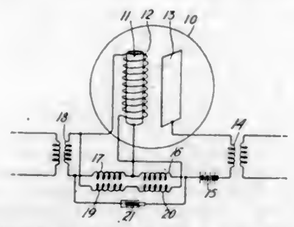
1. A device of the class described, comprising a supporting plate; a marginal flange projecting outwardly from the outer face thereof; a marginal flange projecting outwardly from the inner face thereof; a pair of spaced bosses projecting outwardly from the outer face of said plate, said plate having an opening formed in registration with an opening in each of said bosses, the opening

in each of said bosses being slightly larger than the opening in said plate, said opening in said plate being adapted for the reception of fastening means; a plug pressed into said boss for concealing the fastening means projected through said opening, said inner face flange engaging the supporting member upon which mounted, the inner sur-



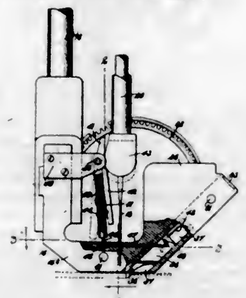
face of said plate being spaced from said supporting member, the depth of said boss and said flange on the outer face of said plate being equal and indicating means mounted on the outer face of said plate, said indicating means being of greater thickness than the depth of said flange on said outer face.

1,586,162. ELECTRON-DISCHARGE DEVICE. JOEL C. R. PALMER, New Rochelle, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923, Serial No. 628,407. Renewed Oct. 10, 1925. 9 Claims. (Cl. 250—27.)



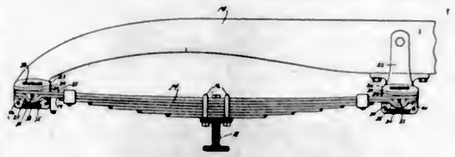
1. In combination, an electron discharge device having a cathode, an anode and a control electrode, said control electrode comprising a wire helix surrounding said cathode, an input circuit and an output circuit, means for supplying alternating current to said helix from said output circuit, and means associated with said cathode and said control electrode for controlling the output of said device in accordance with signals.

1,586,163. VARIABLE-WIDTH PRESSER-FOOT MECHANISM. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1916, Serial No. 92,141. Renewed Feb. 27, 1922. Serial No. 539,772. 71 Claims. (Cl. 112—122.)



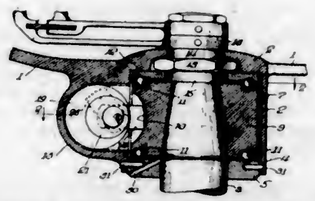
1. In a two needle lace sewing machine, the combination with a presser foot, a pair of needles co-operating therewith, and cloth cutting means adjacent to each needle, of laterally spaced cloth folding devices co-operating with the presser foot between the needles and the cutting devices.

1,586,164. SPRING SUSPENSION. ALFRED D. TAIT, Evanston, Ill., assignor of three-fourths to William S. White, Evanston, Ill. Filed Oct. 16, 1924. Serial No. 743,959. 17 Claims. (Cl. 267—54.)



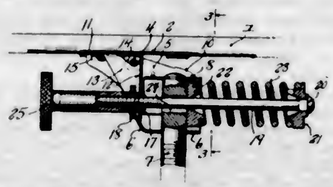
1. In a vehicle spring suspension, a chassis frame, a pair of brackets rigidly connected to said frame, a pair of spring leaves rigidly connected together at their central portion, one of said leaves having each end provided with an offset, and the ends of the other leaf extending across said offsets to form eyes, and bolts extending through said brackets and eyes, the bolt fitting loosely in the eye at one end of said leaves to permit a pivotal sliding movement between the eye and the bracket.

1,586,165. LOCK. SAMUEL L. TERRY, Chicago, Ill., assignor to Terry-McCluskey Anto Lock Co., a Corporation of Illinois. Filed Dec. 27, 1920. Serial No. 433,122. 1 Claim. (Cl. 70—129.)



An automobile lock, comprising a tubular sleeve adapted to be applied to the top of an automobile steering post and having a curved depression in its periphery to form a socket for a latch-bolt, an automobile steering wheel having its hub formed into a casing for the sleeve, said casing being entirely open at the bottom and having a restricted opening through its top, a shell disposed between said sleeve and casing, a plate for closing the lower end of the casing and for holding the wheel and sleeve together, a ring above the sleeve, ball bearings interposed between the sleeve and ring and plate, a nut for screwing upon the end of the steering post and fitting the openings in the hub casing and ring to prevent lateral or skewing movement and acting to clamp the sleeve to the post, and a key actuated latch journaled in the hub and cooperating with the sleeve to lock the sleeve and wheel together.

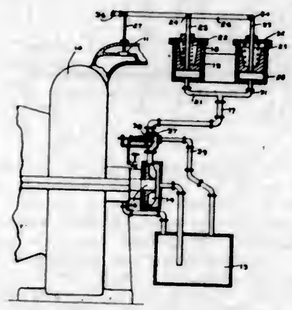
1,586,166. CHAIR IRON. CHARLES J. TRAVERS, Port Washington, Wis., assignor to Gilson Manufacturing Co., Port Washington, Wis. Filed May 17, 1924. Serial No. 714,036. 8 Claims. (Cl. 155—77.)



1. A chair iron comprising a saddle adapted to support a seat, a brace pivotally secured to said saddle, a main supporting spindle, said brace engaging said spindle at widely spaced points, an arm secured to said saddle and

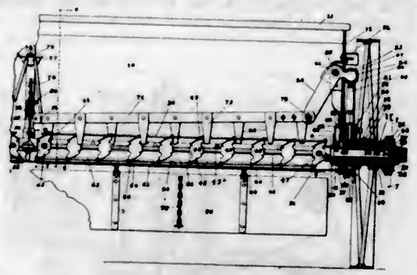
extending downwardly in front of said spindle, a tension bolt held by said arm and passing through said spindle, and a spring urging said tension bolt rearwardly.

1,586,167. GOVERNOR-VALVE MECHANISM. HENRY R. TROTTER, Morton, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 18, 1924. Serial No. 726,882. 14 Claims. (Cl. 264—14.)



1. In a fluid-pressure governing apparatus for a prime mover having energy-controlling means, the combination of means for developing fluid under a pressure varying as a function of the speed of the prime mover, a member movable in response to variations in the fluid pressure for controlling said energy-controlling means, and means operable upon a predetermined reduction in fluid pressure for stopping the flow of energy to the prime mover.

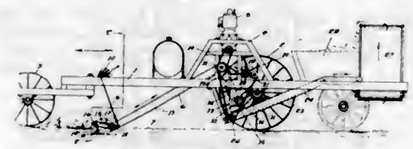
1,586,168. MACHINE FOR SOWING FERTILIZERS. WILLARD A. VAN BRUNT, Los Angeles, Calif., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a Corporation of Wisconsin. Filed Nov. 14, 1919. Serial No. 337,912. 8 Claims. (Cl. 275—9.)



2. A machine of the class described, comprising in combination a hopper, a hollow spindle secured to and projecting from one end of the hopper, a supporting wheel mounted on said spindle, a rotatable shaft extending through said spindle, clutch mechanism for connecting the shaft and wheel together, a rotatable feeding device in the hopper, and means for detachably interlocking said shaft and feeding device together.

1,586,169. WEEDING MACHINE. THOMAS B. WEBB and EDWIN F. DRISCOLL, Stockton, Calif. Filed Oct. 11, 1924. Serial No. 743,013. 3 Claims. (Cl. 97—10.)

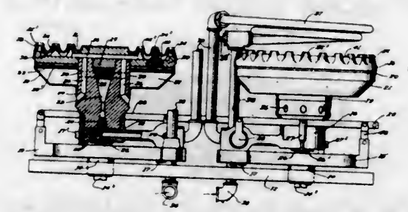
1. A weeding machine including an inclined conveyor up which weeds are carried from the ground, and a beater structure onto which the upper end of the conveyor discharges; said beater structure comprising horizontal and transversely spaced fingers onto which the weeds drop from the conveyor, and a rotatable element mounted beyond the fingers and including a plurality of radially arranged bars passable between the fingers and moving downwardly toward the fingers.



2. A weeding machine including an inclined conveyor up which weeds are carried from the ground, a beater structure onto which the upper end of the conveyor discharges, and a crushing mechaniam directly under the beater structure to receive the beaten weeds.

3. A weeding machine including an inclined conveyor up which weeds are carried from the ground, and a crushing structure into which the weeds pass from the conveyor, such structure comprising an enclosure, a rotatable crushing element therein cooperating with the enclosure, and an outwardly yieldable member forming part of the enclosure.

1,586,170. GAS GENERATOR AND BURNER. ARTHUR WHITE, Sheboygan Falls, Wis. Filed Feb. 23, 1923. Serial No. 620,724. 10 Claims. (Cl. 158—65.)

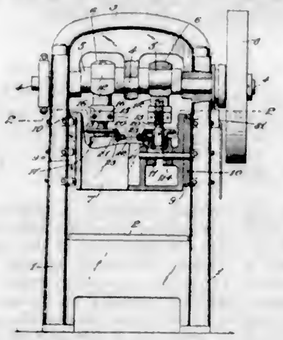


10. A gas generator and burner, comprising a support, a supply member connected thereto and having an upstanding nozzle and a valve controlling the fuel supply thereto, said supply member also having a valve controlled air inlet, means controlling both valves simultaneously, a standard connected to the supply member and having a Venturi shaped bore into which the nozzle extends and the air inlet opens, said standard also having vertically extending air inlet openings and radial ports extending from the bore outwardly, a burner member surrounding the standard and having openings in communication with the air inlet openings and upstanding burner portions with openings, an upper casing mounted on the burner in spaced relation and having open upwardly extending tubular portions which surround the burner portions for directing air therearound, a lower casing engaging the standard and the burner and forming a mixing chamber for directing vapor from the radial ports to the burner openings, a perforated conduction member positioned in the space formed between the standard and the burner and through which conductor the vapor passes, and a generator member positioned above the burner and connected to the valve and having means for connection with a source of fuel supply.

1,586,171. PITMAN MECHANISM FOR POWER PRESSES. EDMUND W. ZEH, Newark, N. J. Filed Aug. 26, 1924. Serial No. 734,186. 5 Claims. (Cl. 74—47.)

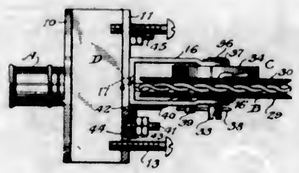
1. In a pitman, the combination of a body portion, a head and a screw swivelly connected to said head and threaded longitudinally into said body portion, said body

portion being cut away at one side to expose said screw and still retain it against removal laterally therethrough, a block fitting against the exposed portion of the screw,



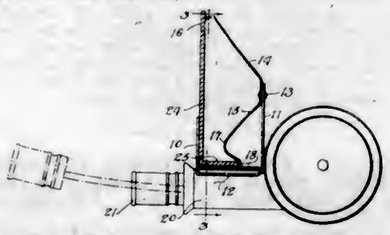
and means upon opposite sides of said screw for clamping said block against the screw in a direction diametric of said screw.

1,586,172. CIGAR LIGHTER. CHARLES BAIA, Palisade, and ALFRED ADERENTE, Jersey City, N. J., assignors to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed May 14, 1924. Serial No. 713,258. 4 Claims. (Cl. 219—32.)



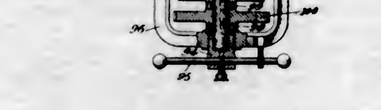
1. In an electric cigar lighter, a casing provided with a fixed support, an electrical terminal near the center of said support, an annular electrical terminal near the periphery of said support, a piston slidable within said casing, a resistance unit carried by the piston, and a detached compression spring serving to space the piston from the support, said spring providing electrical communication between the annular terminal and one terminus of the resistance unit and said piston being movable against the pressure of said spring to make contact between the other terminus of said resistance unit and said central terminal.

1,586,173. CLAMP. EUGENE ADERENTE, Jersey City, N. J., assignor to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Dec. 5, 1924. Serial No. 754,231. 10 Claims. (Cl. 224—29.)



1. As a new article of manufacture, a clamp comprising a rigid member formed with a flat bearing surface, and a resilient member supported by the rigid member and provided with a convex bearing surface and a concave bearing surface, both facing said flat bearing surface.

1,586,174. GUY-LINE TIGHTENER. JAMES W. BELL, Cleveland, Ohio. Filed Aug. 10, 1925. Serial No. 49,203. 1 Claim. (Cl. 24—71.3.)

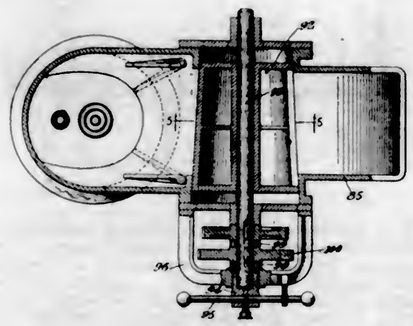


In a cord or guy line tightener, a reel including a pair of spaced heads, an axial web connecting the heads and having a transverse opening to receive a cord and permently and slidably mount the tightener on a cord, a handle extending radially from one head and integral therewith, a curved locking finger exending laterally from one side of the outer end of said handle, and a finger-piece extending laterally from the other side of the handle at a point opposite the locking finger.

1,586,175. FUMIGANT AND METHOD OF FUMIGATING. GUY H. BUCHANAN, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Jan. 19, 1925. Serial No. 3,504. 15 Claims. (Cl. 167—6.)

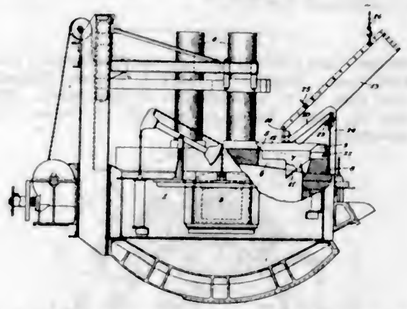
1. A fumigant comprising a mixture of cyanogen chloride and hydrocyanic acid in liquid form.

1,586,176. FUEL-FEEDING MECHANISM FOR GAS PRODUCERS. WILLIAM B. CHAPMAN, New York, N. Y., assignor to The Chapman Engineering Company, Mount Vernon, Ohio, a Corporation of Ohio. Filed Sept. 9, 1922. Serial No. 587,037. 5 Claims. (Cl. 214—35.)



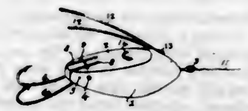
1. In a gas producer, a fuel receiving casing having conically shaped walls adapted to enclose more than one-half of the circumference of a fuel-feeding drum, a tapering feeding drum revolubly mounted therein, means permitting lengthwise movement of the drum within the casing to vary the distance between the periphery of the drum and the walls of the casing, and means interposed between said drum and casing for removing deposits from the space therebetween.

1,586,177. FURNACE-CHARGING APPARATUS. LELAND DALE COLE, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 8, 1924. Serial No. 704,964. 7 Claims. (Cl. 214—18.)



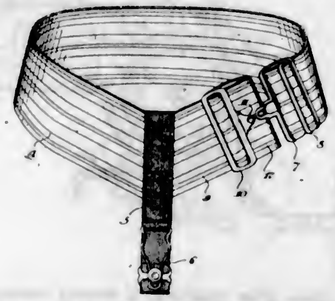
1. In furnace charging apparatus, a roof for the furnace having a charging port therein, a removable chute seating in said port, and a removable closure supported on the frame of the furnace arranged to be lowered into the port after the charging operation.

1,586,178. WEEDLESS FISHHOOK. FREDERICK E. COMSTOCK, Valparaiso, Ind. Filed July 14, 1923. Serial No. 651,508. 4 Claims. (Cl. 43—39.)



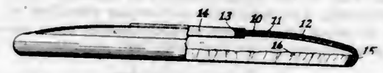
3. In fish hooks, a floating body, a pair of attachable and detachable hooks secured in slots to the rear end of the body, means transverse of the slots for limiting the movement of the hooks, means for securing a bait to the upper face of the body, means on the body for securing one end of the bait, and means located on the body between the bait fastening means and the rear end of the body for limiting the sidewise movement of the bait.

1,586,179. GARMENT SUPPORTER. JOHN P. CROASDALE, Berwyn, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Nov. 17, 1922. Serial No. 601,498. 1 Claim. (Cl. 241—6.)



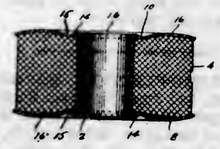
In a garter, the combination of a leg band, a stocking clasp and clasp supporting body, one end of the leg band secured to the clasp supporting body, a cast-off element secured to the other end of the leg band, a relatively short single flexible band also secured to the clasp supporting body, and a second cast-off element having a pair of slots through each of which the said relatively short flexible band is threaded twice so as to cover all under surfaces of said second cast-off element and also to provide a folded portion extending beyond said second cast-off element and beneath said first castoff element when said elements are in engagement.

1,586,180. NUMBER CARD AND HOLDER FOR TELEPHONES. RAYMOND B. CROSBY, Hollywood, Calif. Filed Sept. 30, 1925. Serial No. 59,601. 1 Claim. (Cl. 40—10.5.)



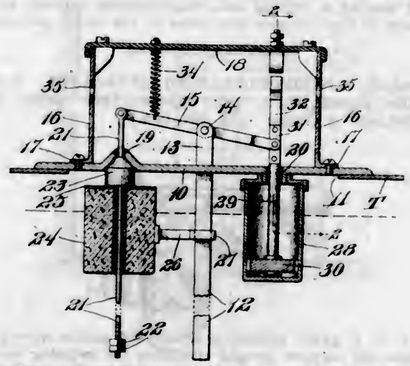
A number-card and holder, for use with a telephone set, comprising a slightly cupped metal disc with an inwardly curved flange adapted to slip over the face of a telephone transmitter, a disc-shaped number-card in contact with the convex face of said metal disc and a transparent celluloid covering-disc fitting over said metal disc and disc-shaped number card, said metal disc, disc-shaped number-card and covering-disc having coinciding central apertures, and a metal clamping-ring fixed in said apertures so as to hold said metal disc, disc-shaped card and covering-disc in clamped relation to each other, said clamping-ring being adapted to receive the threaded end of a transmitter mouth-piece.

1,586,181. WOUND BOBBIN. MALCOLM CURRY, Scarsdale, N. Y., assignor to The American Thread Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 3, 1926. Serial No. 85,670. 5 Claims. (Cl. 112—251.)



1. In a wound bobbin the improvement which consists in a mass of thread wound upon a tubular core and having end surfaces betwen the core and its periphery protruding beyond the portions adjacent to the core and the periphery, and disks having annular concave surfaces engaging said protruding surfaces, the disks being secured to said core and held adjacent to said mass.

1,586,182. TELLTALE FOR TANKS. GEORGE ELWYN DEATHERAGE, Detroit, Mich. Filed Apr. 23, 1925. Serial No. 25,371. 2 Claims. (Cl. 200—84.)



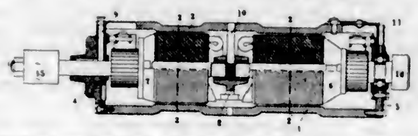
1. In a tank, a base adapted to be attached to a tank at an opening formed therein, a compartment at the upper surface of the base, a lever pivoted within the

compartment, an opening in the base in substantial alignment with one end of the lever, a rod pivoted to one end of the lever and projecting through said opening, said opening being formed at the under surface of the base with a valve seat, a stop adjustable on said rod, a valve upon the rod adjacent the upper end thereof for coaction with the valve seat, a float operating between the stop and valve, means normally maintaining the valve in engagement with the seat, and a contact carried by the opposite end of the lever for coaction with contacts carried by the wall of the compartment and insulated from the compartment, and means for preventing operation of the lever to cause engagement of the contacts upon momentary engagement of the float with said stop.

1,586,183. SAFETY DEVICE FOR PRINTING PRESSES. HUMBERT DEL VECCHIO, West New York, N. J. Filed May 31, 1923. Serial No. 642,405. 9 Claims. (Cl. 192—127.)

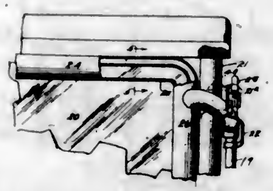
6. In combination with a printing press, having an electrical apparatus for controlling the movements thereof and a moving carrier on its output end, of a bar secured to the frame of the press and disposed over the moving carrier, a pair of electrical terminals carried by said bar, one of said terminals being movable in the circuit of said electrical apparatus, and a flexible element between said electrical terminals and the material on the carrier, said flexible element moving said movable terminal away from the other when a sheet or sheets of material bulges on said carrier.

1,586,184. DYNAMO-ELECTRIC MACHINE. BURNS DICK, St. Louis, and JOHN B. DYER, Ferguson, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Apr. 17, 1924. Serial No. 707,043. 4 Claims. (Cl. 171—252.)



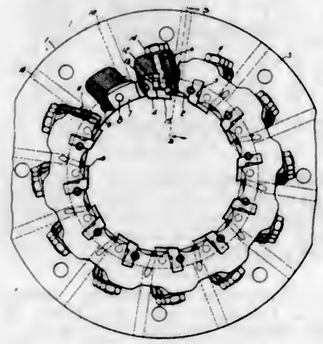
1. The method of forming a field frame for dynamo electric machines which comprises forming flat stock into trough shape with portions of the interior surface raised and passing a cutting tool longitudinally through said trough to form arcuate pole faces on the raised portions.

1,586,185. WINDOW-CLEANING APPARATUS. JACK DON, Detroit, Mich. Filed June 21, 1923. Serial No. 646,748. 2 Claims. (Cl. 20—40.5.)



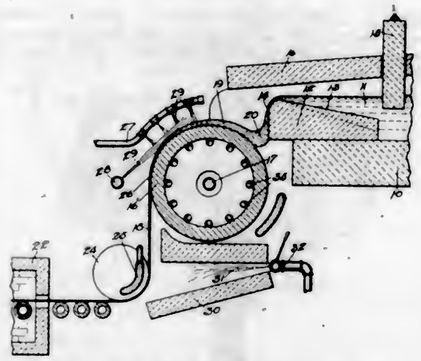
1. In a motor vehicle, a windshield section pivotally supported between upright standards for swinging movement, said section provided with a hollow channel frame member extending along one edge, said frame member having hollow portions extending downwardly along said edge on each side thereof and provided with a plurality of air discharge openings disposed to project a multiplicity of air jets over each face of the windshield section, and air blast producing mechanism driven by the motor of the vehicle communicating with said hollow frame member to discharge thereinto.

1,586,186. MILLING HOB. ALBERT W. ERDMAN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 12, 1923. Serial No. 638,542. 8 Claims. (Cl. 29—105.)



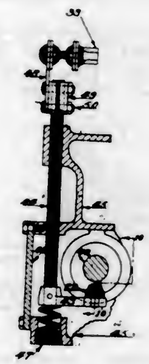
1. In an internal hob, the combination comprising a body portion having a plurality of slots cut therein, said slots being inclined with respect to the axis of the hob, and chaser members inserted in said slots with the cutting edges inclined to the axis of the hob, the cutting faces of the chaser members being non-radially arranged, and the tops of the chaser members being formed concave to cut taper threads.

1,586,187. METHOD AND APPARATUS FOR PRODUCING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 2, 1925. Serial No. 92. 6 Claims. (Cl. 49—17.)



4. In sheet glass apparatus, a furnace containing a mass of molten glass, a rotatable drum, means for permitting a flow of glass to pass from the furnace upon the drum in a manner that it will tend to move on the drum in a direction opposite to its rotation, and means for drawing a sheet from the glass on said drum, the sheet being drawn in the same direction as that of rotation of the said drum.

1,586,188. INTERNAL-COMBUSTION ENGINE. ROBERT F. FISHER, Cleveland, Ohio. Filed Mar. 31, 1921. Serial No. 457,195. 30 Claims. (Cl. 123—90).

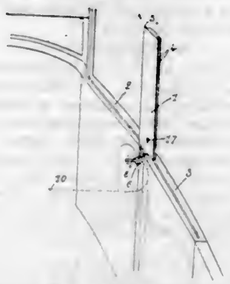


20. In an internal combustion engine, a crank shaft, a cam rotated by said shaft, a poppet valve, an element engaging said cam and operated thereby, the valve connected with said element whereby the valve may be operated by said cam, the cam surface engaged by said element sloping with respect to the axis of rotation of the cam, and a spring for maintaining the cam engaging element pressed against the cam, and means to vary the tension of said spring.

1,586,189. WATERPROOF SHADE FABRIC. WILLIAM E. FLETCHER, Philadelphia, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 23, 1924. Serial No. 757,764. 1 Claim. (Cl. 91—68.)

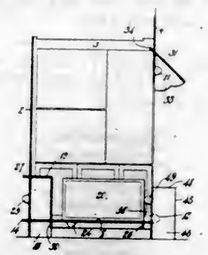
As an article of manufacture, a base consisting of light-weight sized or filled fabrics, and a flexible, elastic and waterproof film of a pyroxylin material upon each side thereof, said film being so thin that the total weight thereof does not exceed one ounce per square yard.

1,586,190. BODY FOR MOTOR VEHICLES. ANDRÉ LEWIS FONTAN, Paris, France, assignor to Delage & Cie., Paris, France. Filed Nov. 24, 1924. Serial No. 751,745. 6 Claims. (Cl. 296—45.)



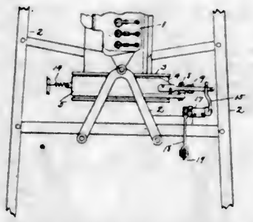
1. A transformable body for motor vehicles comprising a body, a top front and rear doors on either side of said body, a frame carrying the front seats within said body and two uprights pivotally mounted on said body, one on each side of the latter, and adapted to be concealed between said body and said frame when they are turned down and to support said top when they are turned up.

1,586,191. KNOCKDOWN DISPLAY TOY. GEORGE H. FRITZSCHE, Brooklyn, N. Y. Filed July 11, 1923. Serial No. 650,904. 2 Claims. (Cl. 46—37.)



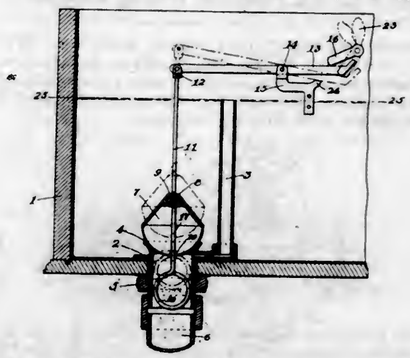
1. A knock-down display toy comprising, separate front and back, the front containing an opening and having a member foldable rearwardly along the bottom of said opening to form a floor, and the back being foldable to form a rear wall and forwardly flaring side walls, said back being separably connectible to said front and floor members whereby all of the members are held in place.

1,586,192. MOTOR-DRIVEN-VEHICLE BRAKE. FRANK E. FUGE, Arnold, Pa., assignor of one-half to Archie Roberts and Dick Cadwallader, both of Barking, Pa. Filed June 5, 1923. Serial No. 643,575. 1 Claim. (Cl. 192—3.)



The combination comprising a vehicle, an internal combustion engine for operating said vehicle, a brake wheel driven by said engine, brake shoes operating on said wheel, an operating lever connected with said shoes, an ignition circuit having a make and break switch connected to and operated in unison with the operating lever.

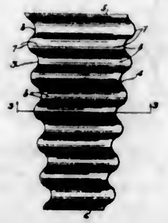
1,586,193. FLUSH VALVE FOR WATER-CLOSETS. EDWARD H. GOVE, Biddeford, Me. Filed May 10, 1922. Serial No. 559,787. 2 Claims. (Cl. 4—56.)



2. In a flush-valve for water-closets, comprising in combination, a buoyant valve, a straight one-piece valve spindle extending from said valve to a pivotal connection

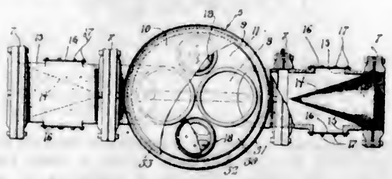
with the lifting-lever therefor, a straight spindle depending axially from said valve into the water-way below the valve-seat for said valve and terminating in a vertical ring and means whereby said ring shall operate at all times below the said valve seat.

1,586,194. COG BRICK. CHARLES O. GUSTAVSEN, Canton, Ohio. Filed Dec. 23, 1922. Serial No. 608,654. 4 Claims. (Cl. 72—55.)



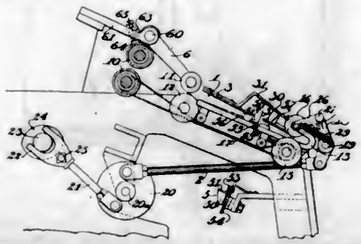
1. A brick provided with alternate horizontally disposed ribs and grooves extending entirely across each vertical face, the ribs upon each face being staggered with reference to the ribs upon the opposite faces and with reference to the ribs upon one adjoining face, and being arranged to interlock with similar ribs and grooves upon adjoining bricks.

1,586,195. FLAME ARRESTER. HUBERT H. HALL, San Francisco, Calif., assignor to Standard Oil Company, San Francisco, Calif., a Corporation of California. Filed Dec. 6, 1924. Serial No. 754,452. 4 Claims. (Cl. 220—88.)



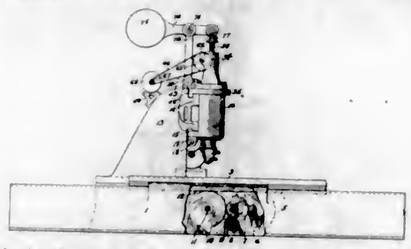
1. In a flame arrester adapted to be inserted in a reversible carrier of combustible fluids, the combination of a body, an explosion chamber within the body, a pair of right angle connections for connecting the explosion chamber in the carrier, a pair of flash arresting screens mounted in the carrier adjacent the right angled connections, the flash arrester remote from the point of origin of the flash functioning to arrest the flash.

1,586,196. NEWSPAPER-STUFFING MACHINE. SEVERIN HALVORSEN, Seattle, Wash., assignor to Newspaper Stuffing Machines Co., Seattle, Wash., a Corporation of Washington. Filed Aug. 28, 1920. Serial No. 406,578. 42 Claims. (Cl. 270—55.)



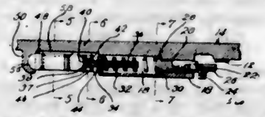
1. A newspaper stuffing machine having an assembling chute provided with means for supporting and conveying the papers along the chute lying in approximatey a horizontal plane, means for holding the first paper section open and in a substantially horizontal condition during its passage through the chute and means for delivering the other paper section horizontally to said chute and within the open first section while said first section is passing.

1,586,197. UNIVERSAL PLANER. WILLIAM S. HECKMAN, Massillon, Ohio. Filed Apr. 18, 1923. Serial No. 632,863. 7 Claims. (Cl. 90—24.)



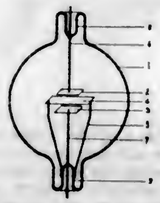
1. A planer including a longitudinally movable table arranged to carry an ingot, a tool head transversely movable over the table, a tool spindle rotatable on its axis in the head and vertically movable therein and independent reversing means controlling the movement of the table and the movement of the head and independent mans controlling the rotation of the spindle to follow the "snake" in the ingot.

1,586,198. THERMALLY-CONTROLLED DOOR CLOSER. WILLIAM K. HENRY, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Nov. 11, 1922. Serial No. 600,260. 10 Claims. (Cl. 189—47.)



1. A door check having, in combination, a casing for attachment to the door, a spring actuated arm movable horizontally about the vertical axis of the casing, a slidable dentent mounted on said arm and having one end arranged to engage an abutment on said casing when the oor is opened, a longitudinally slidable abutment mounted on said arm back of said detent, a coiled spring interposed between said slidable abutment and said detent, and a fusible member interposed between said slidable abutment and an abutment on said arm and resisting the thrust of said slidable abutment.

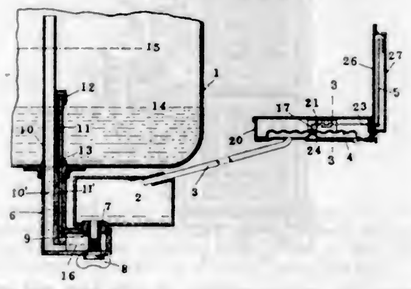
1,586,199. ELECTRICAL-DISCHARGE DEVICE. GILLES HOLST, EKKO OOSTERHUIS, and JOHANNES BRUIJNES, Eindhoven, Netherlands, assignors to Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken, Eindhoven, Netherlands. Filed Nov. 4, 1921. Serial No. 512,890. 4 Claims. (Cl. 250—27.)



1. An electrical glow-discharge device with independent discharge adapted for rectifying alternating currents, comprising an envelope, a rare gas therein, two electrodes

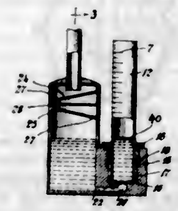
of different material so chosen that the disruptive tension is different in one direction than in the other and a shield of insulating material interposed between said electrodes.

1,586,200. LIQUID-LEVEL-INDICATING DEVICE. EDWIN E. HUFFMAN, St. Louis, Mo. Filed May 27, 1922. Serial No. 564,172. 3 Claims. (Cl. 73—54.)



1. In an apparatus of the class described, the combination of a liquid container, pressure responsive means for indicating the depth of liquid therein, pressure transmitting connecting means extending from said pressure responsive means to the container and provided with an opening whereby liquid from the container may enter it at a point below the level of liquid therein, means whereby air will be entrapped by the liquid when it rises to a predetermined level and means whereby rise of liquid in the container above such level causes said trapped air to be conveyed to a lower level for delivery to the pressure transmitting means.

1,586,201. MANOMETER FOR LIQUID-LEVEL INDICATORS. FREDERICK KAUFFMANN, New York, N. Y., assignor to Automotive Gauge Co., Inc., a Corporation of Delaware. Filed Feb. 26, 1925. Serial No. 11,657. 6 Claims. (Cl. 73—31.)



1. An indicating manometer formed with an indicating tube and a liquid reservoir communicating therewith, said reservoir being provided with a baffle plate above the normal liquid level therein and a screen extending across said reservoir for the purpose set forth.

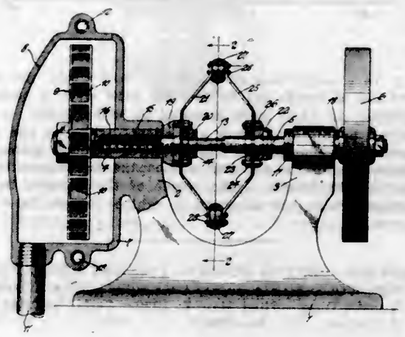
2. A manometer provided with a sight element and a liquid reservoir, said liquid reservoir containing a screen placed thereacross above the normal liquid level therein.

1,586,202. RULE CLIP OR HOLDER. JOSEPH M. KELLY, Newark, N. J. Filed Oct. 27, 1924. Serial No. 745,982. 1 Claim. (Cl. 24—3.)

A rule holder as described, comprising resilient leaves made from a single strip of spring metal and being formed with integral side walls, bent at right angles to the said leaves and extended toward each other; an auxiliary clip formed in, and bent against one of the said leaves for securing the said holder to the clothes of the user; and felt gripping jaws secured to the upper inner

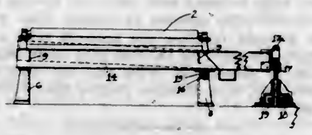
sides of the said leaves between the said side walls for holding a rule by means of the resiliency of the said leaves.

1,586,203. POWER GENERATOR. CARL KIESTER, Yeager, Okla. Filed Mar. 24, 1924. Serial No. 701,478. 12 Claims. (Cl. 253—97.)



1. The combination with a casing having a fluid jet therein a turbine wheel in the casing and cooperating with the jet and a power-transmitting member driven by the wheel and in fixed alinement, of governor mechanism comprising, a centrifugal element outside of the casing, and a yielding conection between said element and the wheel, adapted to move the wheel relatively to the jet without disturbing the alinement of the power-transmiting member.

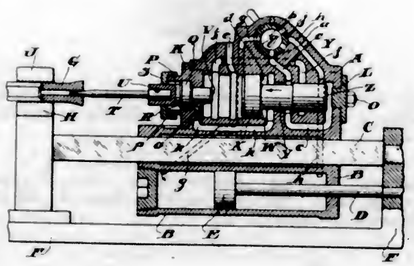
1,586,204. PAPER-MAKING MACHINE. GEORGE LAMOUREUX, Worcester, Mass., assignor to Scott Paper Company, a Corporation of Pennsylvania. Filed Apr. 15, 1922. Serial No. 553,046. 10 Claims. (Cl. 92—44.)



1. In a Fourdrinier machine, a fixed supporting means or frame structure, combined with an upper frame carrying a plurality of rolls for supporting an endless wire apron, said upper frame pivotally supported at one side upon the fixed supporting means and having the opposite

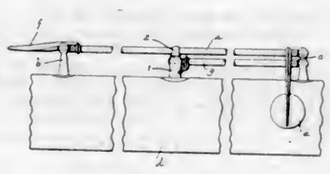
side vertically movable with respect to the fixed supporting means and provided at its pivotal side with lateral extensions, and power applying means operating upon the said extensions for depressing them to raise the movable side of the upper frame upwardly relatively to the fixed supporting means.

1,586,205. SHANK AND BIT PUNCH. HYMAN LEVINE, Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 3, 1925. Serial No. 41,270. 4 Claims. (Cl. 76—5.)



1. In a shank and bit punch for drill steels, the combination of means for holding the drill steel, a hammer cylinder, an anvil block mounted in said cylinder, a pin carried by the anvil block and adapted to enter the drill steel, a variable stroke fluid actuated hammer piston reciprocating in the cylinder, and means for automatically varying the length of the stroke of the hammer in accordance with the direction in which the pin is to be driven.

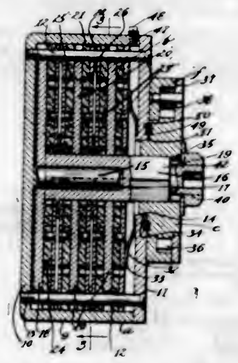
1,586,206. CENTER BEARING FOR KEY MECHANISMS OF WOOD-WIND INSTRUMENTS. ALLEN LOOMIS, Toledo, Ohio. Filed Mar. 7, 1922. Serial No. 541,755. 5 Claims. (Cl. 84—380.)



1. In a wood wind instrument the combination with a body, supporting posts secured to said body, a rod mounted at its ends by said posts, and controlling members secured to said rod, of a center support secured to the instrument body between said posts and having separable parts provided with recesses so formed that when said parts are brought together the recesses form a bearing substantially surrounding the rod, said parts being separable, prior to assemblage with the rod and with the instrument body, to a distance greater than the diameter of the rod.

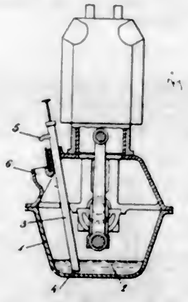
1,586,207. SHOCK ABSORBER. GEORGE C. MARTIN, Los Angeles, Calif. Filed Mar. 24, 1925. Serial No. 17,929. 8 Claims. (Cl. 188—130.)

1. Improvements in shock absorbers of the character disclosed, including a hard and a soft plate member, the working face of such hard plate member being substantially flat and highly polished, the said soft plate member being formed with an oil duct adapted to direct oil



between the working surfaces of such hard and soft plate members; there being a stiff backing for such soft plate member.

1,586,208. OIL-DRAINING DEVICE FOR INTERNAL-COMBUSTION ENGINES. KARL MAYBACH, Friedrichshafen, Germany, assignor to the Firm Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Oct. 8, 1920. Serial No. 415,687. 3 Claims. (Cl. 184—28.)

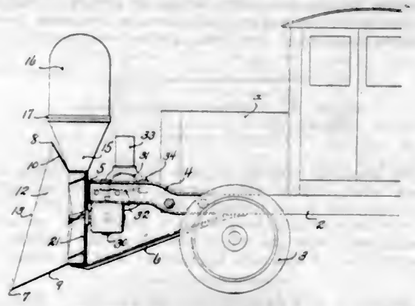


1. The combination with an engine crankcase having an upper closure provided with two adjacent apertures, of a pump extending removably through one of said apertures and having an outlet member arranged to discharge through the other of said apertures or into a receptacle disposed thereabove.

1,586,209. SNOW ATTACHMENT FOR AUTOMOTIVE VEHICLES. LOUIS MAYER, Kaukauna, Wis. Filed Nov. 24, 1924. Serial No. 751,996. 1 Claim. (Cl. 37—43.)

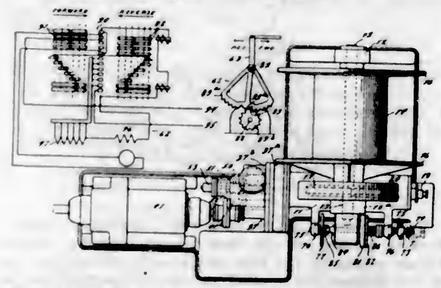
The combination of an automotive vehicle provided with side frame bars, of a snow remover having a scoop-like forward portion provided with a central parting wedge, a pair of supporting bars secured to said side frame bars and extending forwardly to said scoop-like portion, a transverse bar secured to said supporting bars and to said scoop-like portion, braces joining the lower portion of said scoop-like member with said side frame bars, said scoop-like member having circular inset portions at its rear side, a pair of fans located within said inset portions and having radially located vanes slanting towards their leading edges, a pair of guide

walls extending from said inset portion and converging, a delivery pipe located above said guide walls and fed from said fans, and having a laterally directed delivery



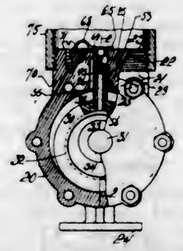
portion, shafts rigidly secured to said fans and projecting rearwardly, a transverse shaft geared to said first mentioned shafts, and a driving motor geared to said transverse shaft and supported from said supporting bars.

1,586,210. WINDING ENGINE. THOMAS SPENCER MILLER, South Orange, N. J. Filed Dec. 22, 1922. Serial No. 608,512. 12 Claims. (Cl. 254—172.)



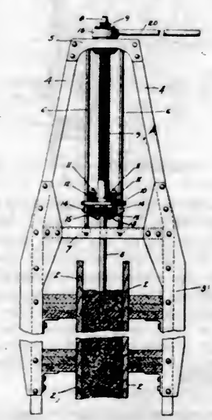
1. In a winding engine, a winding drum for the cable, driving means for said drum comprising a rotatable longitudinally movable member, yielding means associated with said member for resisting the movement thereof and responsive to normal tension on the cable for resisting rotation of said member in one direction and operable on a further increase in tension on the cable for permitting rotation of said member.

1,586,211. COMPRESSOR. JOHN MILNE, New York, N. Y. Filed Apr. 27, 1922. Serial No. 556,986. 6 Claims. (Cl. 230—30.)



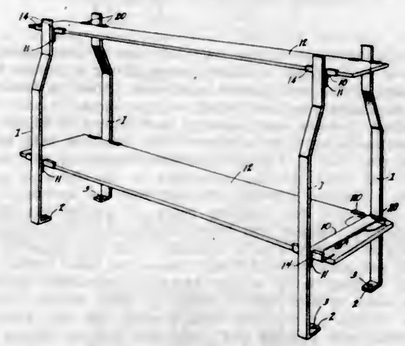
1. In a compressor the combination of a cylinder having an inlet port, an outlet port and a guide opening, a moving cylindrical piston eccentrically supported in the cylinder and having a circumferential groove, a piston ring slidably supported in said groove, a partition slidably guided in said guide opening with its lower face riding on the circumferential surface of the piston and means to adjustably connect said partition and ring.

1,586,212. MEANS FOR RAISING CONCRETE MOLDS. FRANK L. NEMEC, Minneapolis, Minn., assignor to Fegles Construction Company, Limited, Minneapolis, Minn., a Corporation of Canada. Filed Nov. 14, 1921. Serial No. 515,121. 9 Claims. (Cl. 25—131.)



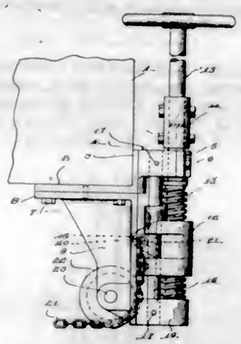
1. In combination, an upright column, a hollow screw thereon, means slidably connecting said column and screw, a nut internally threaded to engage said screw and having an inclined annular bearing surface, and a lifting frame having a rocking bearing on said surface.

1,586,213. DISPLAY STAND. LAURITS A. NIELSEN, Seattle, Wash. Filed Aug. 25, 1923. Serial No. 659,320. 1 Claim. (Cl. 21—24.)



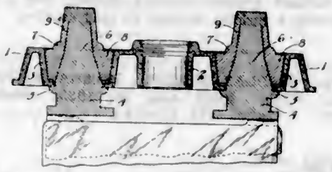
A display stand comprising opposite end frames, each comprising paired legs joined rigidly in spaced relation by horizontal cross bars, shelves extended between the frames for support at their ends by said cross bars, clamping plates permanently fixed to the cross bars to engage with the edges of the shelves at one side, other clamping plates slidable on the cross bars and adapted to be engaged with the otner side edges of the shelves in opposed relation to the first named clamping plates and means for securing the last named plates in holding relation to the shelves.

1,586,214. VEHICLE BRAKE. EDWARD C. NORTON, Rochester, N. Y. Filed Sept. 12, 1925. Serial No. 55,925. 5 Claims. (Cl. 74—120.)



1. A vehicle brake comprising supporting means having two projecting bearings, a worm shaft turning in said bearings, a nut operating on the worm shaft between the bearings, guides for the nut connecting the bearings on opposite sides of the worm shaft, a flexible connection secured to the rear of the nut centrally between the two guides and directly in rear of the worm shaft, and a pulley mounted to turn about a horizontal axis in rear of the worm and having the flexible connection passing downwardly in front of it and thence thereunder.

1,586,215. STORAGE-BATTERY CLOSURE AND METHOD OF FORMING THE SAME. WILLIAM PETSCHEL, Owatonna, Minn., assignor to Carl K. Bennett, Owatonna, Minn. Filed Mar. 31, 1923. Serial No. 628,994. 2 Claims. (Cl. 136—168.)



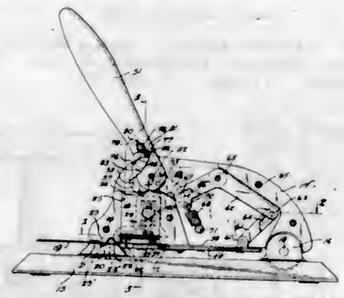
2. A closure structure for a storage battery comprising in combination a battery cover having a conical upwardly flaring well therein, said well having an inwardly extending apertured flange at its bottom, a post extending through said aperture and having a flange in engagement with the bottom of the flange in said well, said post having a conical portion disposed in said well with its sides slanting oppositely to the sides of said well, a bushing disposed over said post and apertured to fit the same, said bushing being of truncated conical shape, the smaller and lower truncated surface thereof being of slightly greater diameter than the diameter of said well adjacent said flange, the conical outer surface of said bushing being wedged tightly downwardly against the sides of said well to within a short distance from the bottom of the well, and forming the sole contact between said bushing and cover, said bushing having an upwardly extending sleeve fused with the upper end of said post.

1,586,216. MECHANICAL MOVEMENT. CHARLES PHELPS, Oskaloosa, Iowa. Filed June 19, 1923. Serial No. 646,325. 6 Claims. (Cl. 74—14.)

1. An improved mechanical movement, comprising in combination, a shaft capable of longitudinal reciprocating movement, a power transmitting frame pivotally connected to the shaft in such manner as to be capable of tilting movement laterally relative to the longitudinal axis of the shaft, said frame being formed with two power transmitting members substantially parallel with the shaft on opposite sides thereof, a driven rotary shaft, a wheel thereon, said wheel having its periphery designed to be alternately engaged and driven by the power transmitting members of the frame, and automatic tilting de-

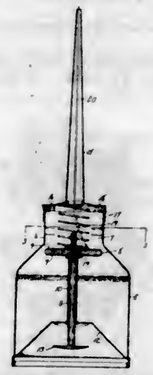
vices arranged adjacent to each end of the frame, and each being capable when engaged by the driven wheel of tilting the frame laterally, thereby moving one of the power transmitting members into position in operative engagement with the wheel and the other laterally to position out of operative engagement with the wheel.

1,586,217. PIN-FASTENING MACHINE. FRIDOLIN POLZER, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Apr. 14, 1925. Serial No. 22,976. 16 Claims. (Cl. 1—52.)



1. In a device of the character described, a base, a housing pivoted to the base, coacting paper crimping means carried by the base and housing, means mounted in the housing for severing the individual pins from an integral strip of preformed pins, and means for inserting the severed pin through the crimped paper.

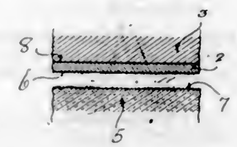
1,586,218. FORCE-FEED OIL CAN. ADOLPH C. RECKER, Oakville, Conn., assignor to Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Dec. 15, 1924. Serial No. 755,908. 2 Claims. (Cl. 221—48.)



1. In a force-feed oil-can, the combination with a body having a cylindrical neck merging into the body by an oblique wall and forming a piston-chamber, of a pis-

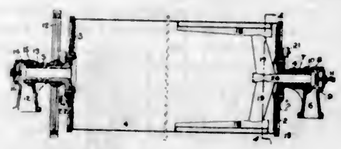
ton positioned to co-act directly with the said neck, a piston-rod, the upper end of which mounts the said piston and the lower end of which projects through the bottom of the can for its manual operation, a combined cap and spout applied to the outside of the neck, and a helical spring interposed between the said cap and the upper face of the said piston for holding the latter in its retired position.

1,586,219. MEANS FOR ATTACHING RUBBER HEELS AND TREADS TO SHOES. GEORGE C. ROPPERT, Milwaukee, Wis., assignor of one-third to Joseph J. Liberatore, Milwaukee, Wis. Filed Aug. 29, 1925. Serial No. 53,326. 4 Claims. (Cl. 36—35.)



1. The combination of a shoe, a binder of leather secured to said shoe at the bottom thereof with the flesh side of the leather down, and a rubber tread cemented to the flesh side of the binder.

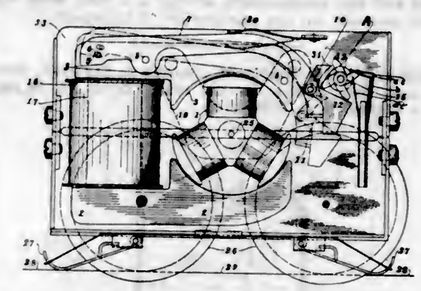
1,586,220. DRYING CYLINDER. WILLIAM S. ROWLEY and JAMES WARNER BUTTERWORTH, Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company, a Corporation of Pennsylvania. Filed Jan. 23, 1922. Serial No. 531,539. 5 Claims. (Cl. 34—4.)



1. A drying cylinder provided with means at one end for supporting the cylinder and supplying steam thereto and provided with means at the other end for also supporting the cylinder and for permitting the discharge of water of condensation therefrom, said means having water passages for collecting and discharging water of condensation from the interior of the cylinder and delivering it into the supporting and discharging means, in combination with an automatic valve device arranged in one end of the cylinder and at a position intermediate of the circumferential body of the cylinder and the axis thereof and normally located on the cylinder as to be above the level of the water of condensation therein, said valve permitting the free escape of air from within the cylinder to the atmosphere but restricting or preventing the escape of steam therefrom.

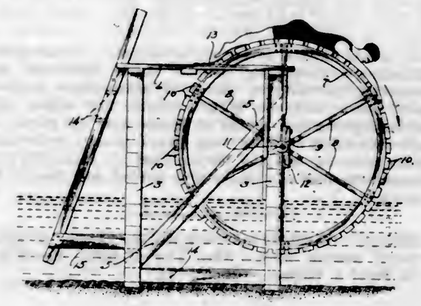
1,586,221. ELECTRIC TOY LOCOMOTIVE WITH ELECTRIC REVERSING GEAR. WALDEMAR SCHWARZENHAUER, Eltersdorf, Germany, assignor to Bing Werke, Nuremberg, Germany. Filed Oct. 4, 1924. Serial No. 742,091. 14 Claims. (Cl. 104—151.)

1. Improvement in electric toy locomotives with electric reversing gear, comprising in combination a motor, switch elements of said motor, an electro-magnet in said motor, a magnet frame in said motor composed of several elements, one of said elements being subdivided transversely to the direction of the lines of force and



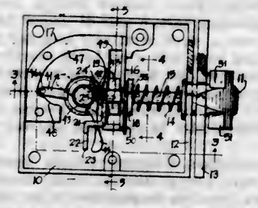
movable with regard to the whole magnet so that the magnetic pulling forces produced between the several parts at the switching in of the motor are utilized for controlling said switch elements of the motor.

1,586,222. WATER WHEEL AND DIVING PLATFORM. HERBERT W. SELLNER, Faribault, Minn. Filed Apr. 30, 1925. Serial No. 27,088. 8 Claims. (Cl. 272—1.)



1. An amusement device of the kind described comprising a framework adapted to be partly immersed in the water, a platform supported by said frame, and a cylindrical wheel journaled to said frame on a horizontal axis and arranged to run with its lower portion immersed in the water and with its upper portion closely associated with said platform, said wheel projecting beyond said frame on its downwardly moving side.

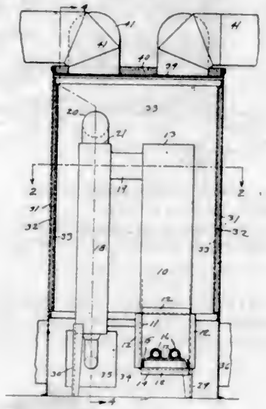
1,586,223. LOCK. MORRIS SHEINMAN, New York, N. Y. Filed Apr. 10, 1923. Serial No. 631,127. 8 Claims. (Cl. 70—46.)



6. The combination with a lock having a bevel headed bolt, of a keeper plate having a central opening and cut out portions extending from said opening through which said bolt is adapted to pass, a spring associated with the

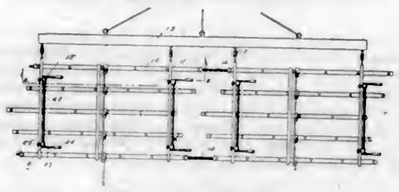
bolt, said bolt being provided with ears whereby it is prevented from passing through said keeper plate when said ears and said cut out portions are out of alignment and said bolt automatically serving as a latch when the said ears and cut out portions are in alignment.

1,586,224. GAS FURNACE. GEORGE A. SIMMONS, Portland, Oreg. Filed Apr. 28, 1925. Serial No. 26,369. 4 Claims. (Cl. 126—116.)



1. A gas furnace having, in combination, a combustion chamber; a condensing chamber spaced therefrom and connected therewith by means of passageways between their upper ends; an upright smoke pipe within said condensing chamber having its intake near the bottom of said condensing chamber; and means directly under said smoke stack for carrying the condensation from said condensing chamber and smoke pipe out of said furnace by gravity.

1,586,225. HARROW ATTACHMENT. AARON E. STARRETT, Newton, Iowa. Filed July 6, 1925. Serial No. 41,678. 5 Claims. (Cl. 55—84.)



1. A harrow attachment comprising a pair of clamping members, a shaft rotatively mounted therein, said shaft being provided with a pair of runners mounted in planes transverse to said shaft.

2. In combination, a harrow section having toothed bars and connecting bars, a pair of clamps for one of said connecting bars, a shaft rotatively mounted parallel with said connecting bars, said shaft being provided with laterally extending portions, said laterally extending portions terminating in runners, said runners being adapted to swing from a position beneath the harrow to a position above it, substantially as described and for the purposes stated.

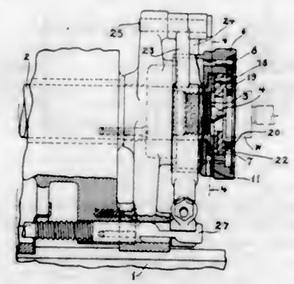
4. In combination, a harrow section having a number of toothed bars and connecting bars, means capable of being thrown from an inoperative to an operative position, and adapted to automatically elevate the harrow above the ground surface when thrown to said operative position and when the said harrow is moved endways in one direction.

5. A harrow attachment comprising a pair of clamping members, each of which comprises a short bar and a longer bar, the longer bar being provided with a loop, a shaft rotatively mounted in said members, said shaft being provided with a laterally extending portion, said laterally extending portion terminating in a right angle portion, said right angle portion terminating in a curved portion, and said curved portion terminating in a flattened portion, and clamping bolts for said bars.

1,586,226. AUTOMATIC VALVE WITH FLEXIBLE BLADES FOR HIGH-SPEED PUMPS. EUGÈNE HENRI TARTRAIS, Maisons-Laffitte, France. Filed Aug. 30, 1924. Serial No. 735,139. 4 Claims. (Cl. 251—119.)

1. In a valve for high speed pumps the combination of flexible and elastic thin metallic blades extending from each side of the valve passage and converging to each other thus constituting a dihedral angle, and two lateral plane metallic surfaces perpendicular to the edge of said dihedral angle and constituting lateral walls between which the blades are adapted to move with the minimum clearance.

1,586,227. LATHE CHUCK. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 20, 1922. Serial No. 602,260. 6 Claims. (Cl. 82—40.)

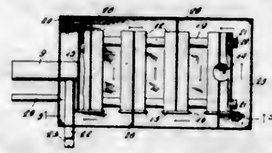


1. A chuck for driving non-circular work comprising the combination of a body portion, a driver seated within the body portion and adapted to be mounted on a spindle, a jaw driving element seated within the body portion and connected to the driver for lateral floating movement thereon on a single diameter of the chuck, a plurality of work engaging jaws pivotally mounted on the body portion, and means connecting the jaws with the jaw driving element.

1,586,228. AIR PREHEATER FOR FURNACES. FERDINAND TUREK, Cleveland, Ohio. Filed Feb. 2, 1925. Serial No. 6,361. 2 Claims. (Cl. 257—166.)

2. A device of the character described comprising, a casing having an air inlet and outlet at opposite ends, a series of spaced idrums in the casing, a plurality of pipe sections interconnecting the drums, a pipe opening into each end drum and extending through the casing, partitions arranged to direct air over the drums in a zig-zag course to the outlet, said plurality of pipe sections being

longitudinally alined, one end drum having clean-out openings in its outer wall alined with the pipe sections, removable closures for the clean-out openings, said drums

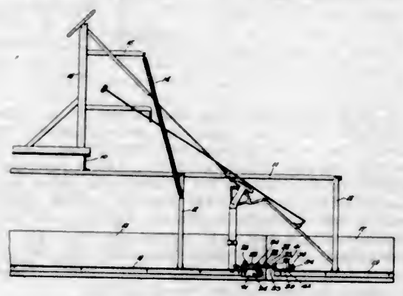


having corresponding ends entirely open, removable closures for said ends, and a pair of separable cover plates carried by the casing to permit access to said removable closures.

1,586,229. ROAD GRADING AND MAINTAINING MACHINE. ODIN B. WALTERS, Council Bluffs, Iowa. Filed July 2, 1924. Serial No. 723,754. 4 Claims. (Cl. 37—155.)

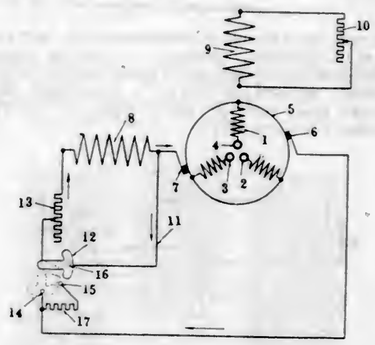
1. A draft bar comprising a pair of sections, one of said sections being forked to receive the other section, said forked portion of one section and said other section having transverse apertures adapted to register in various relative adjusted positions of the sections, and a locking member for securing said sections in adjusted position, said locking member having a finger for engagement through the registering openings of the sections for holding them in adjusted position and provided with an angle portion extending upwardly against one side of the draft bar and across the top thereof and projecting downwardly at the opposite sides of the draft bar for maintaining the locking member in position and for facilitating removal of the locking member from said openings.

1,586,230. ROAD SCRAPING AND MAINTAINING MACHINE. ODIN B. WALTERS, Council Bluffs, Iowa. Filed Nov. 3, 1924. Serial No. 747,604. 3 Claims. (Cl. 37—155.)



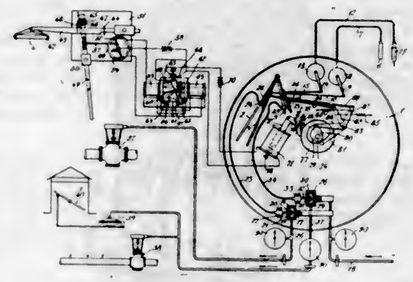
2. A connection for securing auxiliary scraper blades to the main blades of road scrapers, comprising a link provided on one end with an eye piece, an eye bolt interfitting the eye piece and provided with a shank, means for securing the link upon a main scraper blade, a supporting bracket adapted to be secured to the auxiliary blade, a bushing arranged for longitudinal adjustment in the support and held therein for movement toward and from said link, and means for adjustably securing the shank of the eye bolt in said bushing.

1,586,231. ALTERNATING-CURRENT MOTOR. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed May 21, 1924. Serial No. 714,759. 1 Claim. (Cl. 172—280.)



In an alternating current motor, the combination of an inducing member provided with a commutator and slip rings, an induced member provided with an exciting winding and a second winding displaced therefrom and closed on itself, switching means associated with the exciting winding, said means being adapted when in one position to connect the exciting winding in series with the commutator and in another position to disconnect it from the commutator and close it on itself, and means for including a resistance between the commutator and a conductor forming part of the means forming a closed circuit through the exciting winding, said resistance being proportioned to limit the current delivered by the commuted winding to substantially the same value as the induced current flowing through the exciting winding.

1,586,232. APPARATUS FOR DRYING WOOD, LUMBER, AND THE LIKE. JOHN BERCHMANS WELCH, New Orleans, La. Filed Sept. 30, 1924. Serial No. 740,709. 18 Claims. (Cl. 236—44.)



1. The combination in a drying apparatus having temperature varying means and humidity varying means and controllers cooperating therewith for maintaining any desired conditions of temperature and humidity within the apparatus, of control means movable in response to the loss in weight of a representative sample of the material being dried as the drying operation progresses, a pair of electric relay windings adapted to be alternately energized by said control means, a movable member adapted to be actuated by the energization of each of said relay windings, an electromagnetic device, means for momentarily energizing said electromagnetic device each

time said movable member is actuated, and means operated when said electromagnetic device is energized for adjusting said controllers to maintain predetermined different conditions of temperature and humidity within the drying apparatus as the drying operation progresses

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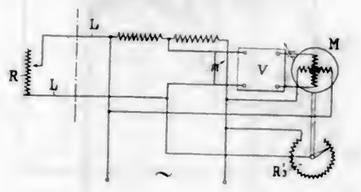
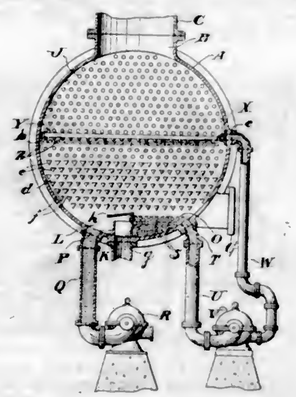
1,586,233. MEANS FOR CONTROLLING ROTATING FIELD MOTORS. HERMANN ANSCHUTZ-KAEMPFE, Munich, Germany, assignor to Nederlandsche Technische Handel, Mattschappij "Giro," 's Gravenhage, Netherlands. Filed Mar. 19, 1925. Serial No. 16,722. 7 Claims. (Cl. 172—274.)



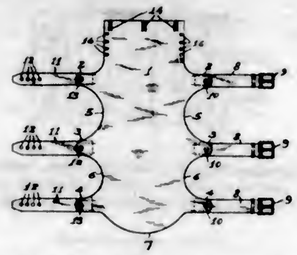
1. A system of the type described, comprising the combination with a dynamo electric machine having two windings, of an amplifying unit having the out-put side thereof connected to one of said windings, a plurality of conducting elements, and a source of alternating current connected to said elements and to the other winding, said elements being connected to the in-put side of said amplifying unit in such a manner that a small variation in the impedance of one of said elements produces a relatively large variation in the current supplied by said amplifying unit.

1,586,234. SURFACE CONDENSER. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 8, 1926. Serial No. 80,006. 4 Claims. (Cl. 257—40.)



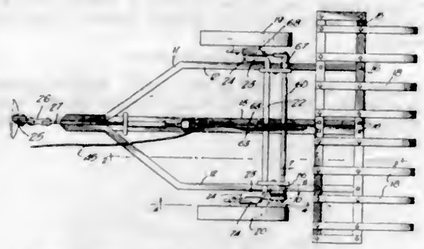
1. A surface condenser comprising a casing having an inlet at the top for steam and uncondensable gases, a condensing element in the form of rows of tubes for conveying cooling liquid, a cooling element in the form of rows of tubes for cooling the condensate, means for circulating cold condensate from the cooling element to the condensing element, and rods for converting the condensate into spray for cooling air and gases during their passage between the rods.

1,586,235. TROUSERS PROTECTOR. DAVID BILLINGSLEY, Orient, Pa. Filed Dec. 22, 1925. Serial No. 77,113. 1 Claim. (Cl. 2—62.)



A trousers protector comprising a flexible body portion having a rounded lower end, the side edges of said body portion formed with a plurality of pairs of protecting ears, each pair of said ears being horizontally aligned, the side edge portions of said body portion disposed intermediate of each of said pair of ears being curvilinearly inset, a connecting strap fixed to each ear of said pairs of ears, for detachably securing said body portion to the leg of the trousers, the upper marginal edge of said body portion formed with a series of loops adapted for the insertion of a belt for supporting said body portion at the waist of said trousers, each marginal side edge of the upper portion of said body portion being formed with a plurality of vertically aligned perforations, substantially as described and for the purpose set forth.

1,586,236. POWER LIFT FOR AGRICULTURAL VEHICLES AND IMPLEMENTS. LOUIS BRENNEIS, Oxnard, Calif., assignor to Brenneis Manufacturing Company, a Corporation of California. Filed Mar. 10, 1924. Serial No. 698,059. 3 Claims. (Cl. 97—73.)

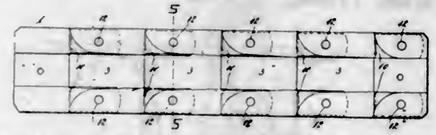


1. In an implement, the combination of: a frame; a transverse crank axis journaled on said frame having crank arms at its opposite ends terminating with horizontally disposed wheel trunnions; wheels journaled on said trunnions; a latch for holding said crank axle in raised position to elevate the frame; a ratchet secured to each of said wheels; a transverse shaft; a lever secured to said shaft; a first pawl rigidly secured to the shaft and adapted to engage one of said wheel ratchets; and a second pawl yieldingly mounted on said shaft and adapted to engage the other of said wheel ratchets.

1,586,237. SIGN. ZACHARY BRONSTEIN, Malden, Mass. Filed Nov. 20, 1925. Serial No. 70,341. 1 Claim. (Cl. 40—140.)

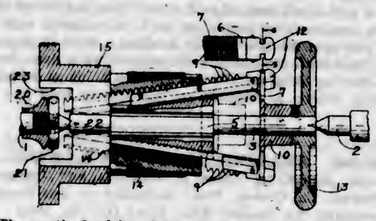
A sign comprising a number of individual character-bearing elements, each of said elements comprising a body on which the character is displayed and which body is provided on its opposite sides with free edges, said body having also, at its top and bottom, extensions turned to extend over said body at the back and form flanges with

sockets beneath said flanges between them and the body, said flanges being provided with tongues projecting laterally therefrom with extension beyond the adjacent side edge of the body, said tongues being turned to lie in sub-



stantially the same plane with said sockets whereby the tongues extending from the flanges on one element will enter the sockets and be retained by the flanges of an adjacent element when said elements are brought together with edges abutting.

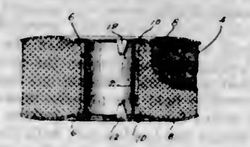
1,586,238. METHOD AND DEVICE FOR LAPPING GAUGES. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 19, 1924. Serial No. 700,299. 12 Claims. (Cl. 10—1.)



1. The method of lapping an internal taper gauge comprising supporting the gauge on a plurality of relatively long lapping members supported in a conical relationship corresponding to the taper of the gauge and providing a relative rotation and a relative longitudinal movement between the gauge and the said members while maintaining the members in their said relationship and in lapping contact with the gauge.

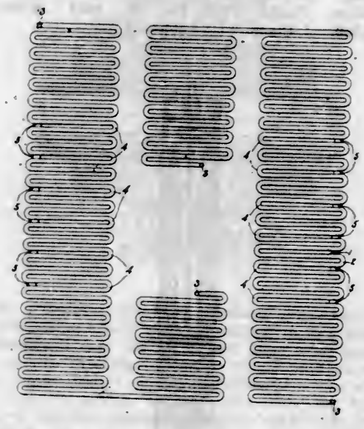
8. An internal taper thread gauge lapping device comprising the combination of a plurality of relatively long lapping members having transversely extending teeth adapted to engage the threads of the gauge to be lapped and means within and supporting such members in a conical relationship corresponding to the taper of the gauge to be lapped, the members being free to slide longitudinally of the support and the arrangement of the parts being such that as a relative rotation is effected between the gauge and the lapping members such parts, because of their threaded engagement, also partake of a relative longitudinal movement while the lapping members maintain their conical relationship and their threaded lapping engagement with the gauge.

1,586,239. WOUND BOBBIN AND METHOD OF PRODUCING THE SAME. ROBERT KERR CLARK, Springfield, Mass., assignor to The American Thread Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 19, 1926. Serial No. 89,299. 4 Claims. (Cl. 112—251.)



1. In the method of producing wound bobbins, the improvement which consists in cross-winding a mass of thread upon a compressible core, compressing said mass and core axially so as to bring one end of said core flush with the adjacent portion of the corresponding end of said mass, applying under pressure a capped disk-like head having metal prongs extending from one side thereof to said end of said mass with the prongs within said core, and forcing said prongs outward so as to embed them in the inner surface of said core.

1,586,240. RESISTOR GRID. FRANK T. COPE, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a Corporation of Ohio. Filed Dec. 21, 1925. Serial No. 76,674. 7 Claims. (Cl. 201—69.)

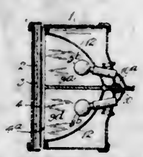


5. A cast resistor grid comprising a plurality of parallel portions connected at alternate ends by curved portions, and integral webs connecting certain pairs of parallel portions adjacent to the curved portions, said webs being adapted to be severed to increase the resistance of the resistor.

1,586,241. SEPARATION OF HAFNIUM AND ZIRCONIUM. DIRK COSTER, Haarlem, Netherlands, and GEORG VON HEVESY, Copenhagen, Denmark, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven. Filed July 15, 1924. Serial No. 726,172. 7 Claims. (Cl. 23—23.)

1. The process of separating the element having the atomic number 72, called hafnium, and zirconium, characterized by submitting compounds of zirconium and sulphuric acid on the one hand and the corresponding hafnium compounds on the other hand to fractional separation.

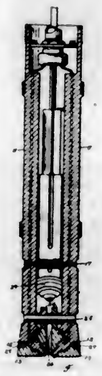
1,586,242. SIGNALING LAMP, SUITABLE FOR DAY AND NIGHT USE, CHIEFLY ON MOTOR CARS. JAMES MCPHERSON DUTHIE, Footscray, Victoria, Australia. Filed July 23, 1924. Serial No. 727,775. 1 Claim. (Cl. 177—329.)



A device of the character described comprising a casing open at one side and provided at the opposite side with a centrally located threaded opening, a parabolic reflector mounted in the casing and provided with a central opening in line with the threaded opening, partition means dividing the interior space of the reflector into a plurality

of compartments, said partition means including a plurality of angularly related wings joined at their inner edges to a central post having one end projected through the central opening of the reflector and threaded through the aligned opening of the casing, a retaining nut engaging the threaded portion of the stem exteriorly of the casing and serving to hold the wings close to the inner wall of the reflector, lamps mounted in the compartments formed between the several wings, and a lens closing the open side of the casing.

1,586,243. ROTARY ROCK DRILL. JOSEPH HENRITZI, Spokane, Wash. Filed Jan. 23, 1924. Serial No. 688,066. 1 Claim. (Cl. 255—71.)

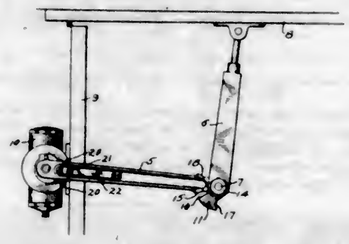


In rotary rock drills having cone bits rotatably mounted on shafts supported by a frame, idler pinions rotatably mounted in the frame above the bits and on a separate shaft therefrom and in such a manner as to bring the same into continuous frictional contact with the surface of the bits and to provide a support for the same.

1,586,244. DASH LAMP. WOLFGANG HERMANN, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1924. Serial No. 754,566. 4 Claims. (Cl. 240—8.16.)

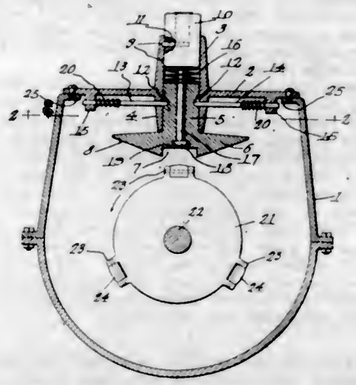
1. A dash lamp device comprising a lamp, a U-shaped supported bracket upon the upper end of the front arm of which said lamp is mounted, said bracket having an upwardly extending rear arm equipped near its upper portion with a shoulder, and an unattached supplemental clamping member adapted to be interposed and serve as a wedge between said rear arm and a metal dash.

1,586,245. ADJUSTABLE DOORSTOP. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Aug. 20, 1925. Serial No. 51,349. 4 Claims. (Cl. 16—49.)



2. In a device of the character described, a pair of arms pivotally connected together at one end, a door closer and check, one of said arms being connected to said check, cooperating means on said door closed and check and one arm for frictionally holding a door in open position, and limit stop means for preventing a door from being opening substantially beyond the point at which said holding means is adapted to frictionally hold the same.

1,586,246. TRANSMISSION-LOCKING DEVICE. EDWARD KIRCHNER, OMER F. IMMELL, and CHESTER R. PIEPER, La Crosse, Wis., assignors to LOX-FORD Lock Company, La Crosse, Wis. Filed Oct. 20, 1924. Serial No. 744,712. 2 Claims. (Cl. 70—90.)

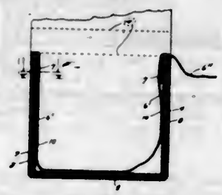


1. The combination with a transmission casing having a removable cover, a shaft journaled in the casing, of a plunger slidable in the cover, the plunger and the shaft being provided with cooperating parts which coact to hold the shaft against rotation when the plunger is advanced, a locking bolt slidable on the cover, the plunger being provided with a seat wherein one end of the locking bolt is received to hold the plunger releasably retracted, and spring means for moving the locking bolt in one direction to engage the locking bolt with the seat as aforesaid, the seat comprising a cam surface which, when the plunger is advanced to hold the shaft against rotation, moves the locking bolt in an opposite direction, against the action of the spring means, and engages the locking bolt with the casing to hold the cover in place.

1,586,247. DOLL. BERTHA KOLLIN, New York, N. Y. Filed Feb. 6, 1924. Serial No. 690,936. 5 Claims. (Cl. 46—40.)

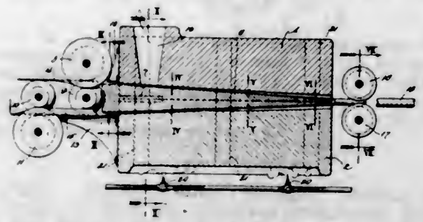
1. In a doll having its head provided with two diametrically disposed faces, a pair of legs hingedly connected to the body of the doll and capable of being swung to extend in substantially right angular relation to either face of the torso of the doll, said legs having the feet thereof permanently disposed in oppositely, outwardly extending relation to one another.

1,586,248. CIGARETTE CASE. MITSUJIRO KOMURA, San Francisco, Calif. Filed June 16, 1924. Serial No. 720,400. 2 Claims. (Cl. 206—41.)



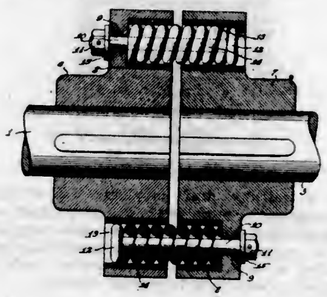
1. A cigarette case of relatively long narrow proportions adapted to hold a row of cigarettes standing on end, said case having a flap adapted to cover the upper ends of the cigarettes, and being provided with a strip of flexible material secured to the outside of the case passing over both ends and the bottom thereof and having a free extension adapted to pass under the cigarettes within the case and project freely over the upper edge of the case.

1,586,249. MANUFACTURING OF TUBES. OTTO KROGH and CHRISTIAN HENRIKSEN, Detroit, Mich. Filed Aug. 29, 1925. Serial No. 53,962. 4 Claims. (Cl. 113—33.)



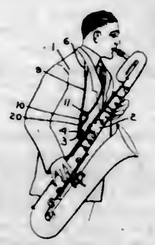
1. The method of manufacturing sheet metal tubing which consists in feeding ribbons of metal through a tapered die wherein the said ribbons of metal are bent longitudinally of their length one within the other into tubular formation whereby a single tube composed of a plurality of ribbons arranged in laminated formation with the seams thereof on opposite sides of the tube and running lengthwise thereof is produced, and spreading solder in a fused condition between the said laminations as they are formed.

1,586,250. SHAFT COUPLING. VICTOR E. LANE, Detroit, Mich., assignor of one-half to Frank L. Schwarz, jr., Detroit, Mich. Filed Aug. 23, 1924. Serial No. 733,752. 3 Claims. (Cl. 64—96.)



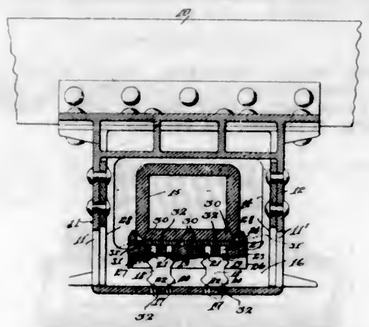
1. In a device of the class described, connecting members comprising a pair of disks adapted to be secured to the contiguous ends of shafts, said disks being provided with axially extending orifices, axially and angularly movable pins secured to and extending from one of said disks into the orifices of the other disk, and further angularly movable pins secured to the other disk and extending into the orifices of the first mentioned disk, all of said pins being capable of freely slidable movement in the disks into which they extend, whereby the separation of the ends of said shafts will result in the free withdrawal of the outer ends of the pins from the orifices of the disks into which they extend, and springs resisting the said axial and angular movement of said pins in and on the disks to which they are secured.

1,586,251. SAXOPHONE-SUPPORTING CORD. ALBION SLAYTON LANG, Jamaica Plain, Mass. Filed Sept. 19, 1925. Serial No. 57,294. 5 Claims. (Cl. 224—5.)



1. A saxophone support comprising an endless flexible supporting member arranged to present at its upper end a single loop to encircle the neck of the wearer, and at its lower end a double loop comprising two loop portions of equal length and having a parallel arrangement, a hook on which the saxophone may be hung, said hook having an eye through which both portions of the double loop extend, whereby the member may be adjusted as to its length by shifting a portion of the length thereof from the double to the single loop or vice versa, and means operative to lock the member in any adjusted position.

1,586,252. COUPLER CENTERING DEVICE. ELMER A. LAUGHLIN, Oregon, Ill. Filed Sept. 16, 1924. Serial No. 738,032. 7 Claims. (Cl. 213—21.)

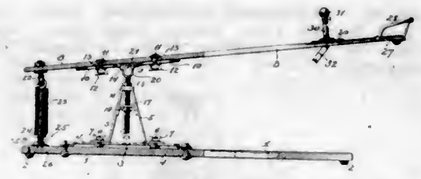


1. In a railway draft appliance, a striking-plate having openings, a carry-iron having openings, a rocker mounted between the striking-plate and carry-iron and having a carrying face and a supporting face, said faces being arcuate, and lugs projecting from each of said arcuate faces and into said openings.

1,586,253. MANUFACTURE OF MONONITROCHLOROBENZENE. JOHN W. LIVINGSTON, St. Louis, Mo., and LUCAS P. KYRIDES, Buffalo, N. Y. Filed Aug. 8, 1925. Serial No. 49,100. 13 Claims. (Cl. 260—142.)

1. The process of nitrating chlorobenzene to mononitrochlorobenzene which comprises the gradual and proportional addition of chlorobenzene and sodium nitrate to sulfuric acid having a strength of between about 65–90 percent at a temperature between about 70 and 240° C.

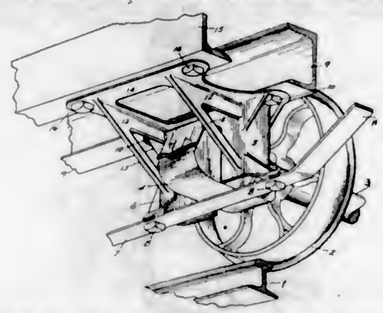
1,586,254. SEESAW. ALFRED A. LOVEJOY, South Bend, Ind. Filed Nov. 14, 1924. Serial No. 749,888. 2 Claims. (Cl. 272—55.)



1. In a see-saw, the combination of a base member, bars secured on the base longitudinally thereof and provided with longitudinal slots, standards resting on said bars, fastening devices carried by the lower ends of the standards and engaged through the slots in said bars, threaded bars fitted in the standards to be adjusted vertically, a see-saw board, plates secured to the bottom of the see-saw board and adjustable longitudinally thereon, pivot connections between said plates and the upper end of the threaded bars, and a spring connection between one ends of the see-saw board and the base member.

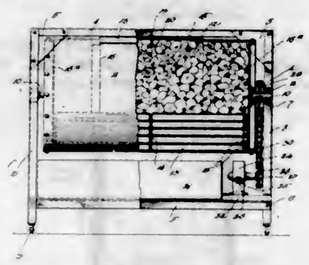
1,586,255. CAR PEDESTAL AND SILL BRACKET. FRANK W. MCCARTHY, Maao, P. I., assignor to C. M. Lovsted, Seattle, Wash., doing business as C. M. Lovsted & Co. Filed Sept. 19, 1925. Serial No. 57,458. 2 Claims. (Cl. 105—218.)

1. A car with a plurality of supporting sills on each side thereof, pedestals attached to an inner sill on the car bottom and extending down beneath the same for holding journal boxes for the car axles, with brackets extending horizontally at right angles to the pedestals



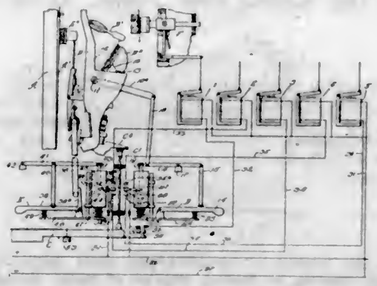
and attached thereto, with the outer end of the brackets attached to the outer sill of car bottom for supporting the same.

1,586,256. FREEZING-ICES MACHINE. RAMON MARQUEZ, Detroit, Mich. Filed Feb. 7, 1925. Serial No. 7,676. 5 Claims. (Cl. 259—81.)



1. A machine of the type described, comprising a driven rotatable cylinder adapted to contain a freezing agent, longitudinally disposed liquid contains in said cylinder and disposed end to end and against end walls of said cylinder, and means in said cylinder retaining said containers at the outer walls of said cylinder to form a substantially central brine space in said cylinder.

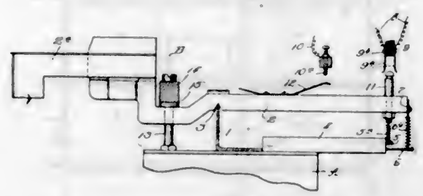
1,586,257. APPARATUS AND METHOD FOR PUNCHING MUSIC SHEETS. BERTIE E. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1924. Serial No. 715,889. 11 Claims. (Cl. 164—113.)



1. In combination, a musical instrument of the piano, or organ type, equipped with a key-manual, a stringed instrument of the viol class, a key-manual controlling

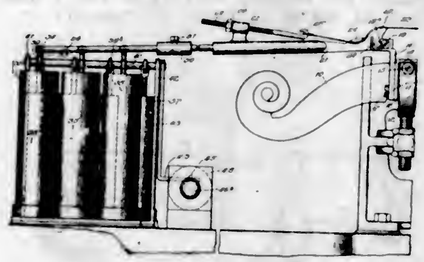
the playing of the notes of said stringed instrument, a machine equipped with a plurality of punches, electromagnets controlling the operation of said punches, and contacts actuated by the keys of said manuals and controlling the circuits of said electromagnets.

1,586,258. ELECTRICAL MUSICAL INSTRUMENT. HERBERT S. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1924. Serial No. 703,174. 1 Claim. (Cl. 84—439.)



In means of the character set forth, a fulcrumed key, a playing-circuit contact mounted on the inner end thereof and a tremolo-circuit contact mounted in front of said first-named contact, a co-acting contact for each circuit, a spring holding said key under normal tension for playing, and a second spring having one end connected with a stationary member and having the other end connected with said key, one of said connections being a slotted lost-motion connection.

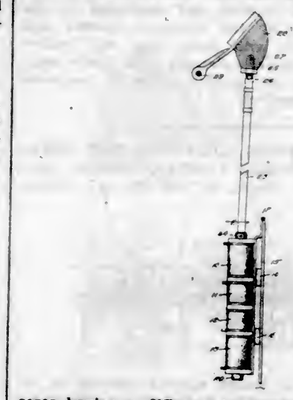
1,586,259. TREMOLO DEVICE FOR SELF-PLAYING STRINGED INSTRUMENTS. HERBERT S. MILLS, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1924. Serial No. 703,176. 17 Claims. (Cl. 84—11.)



11. In a tremolo device for stringed instruments, individual tensioning means connected with an end portion of each string, and actuating means for rapidly varying the position of each tensioning means, said actuating means operating normally to move the several tensioning means in different degrees.

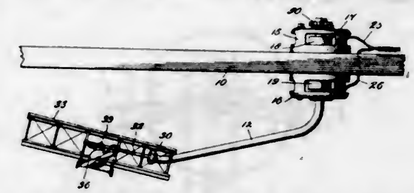
1,586,260. HAMMER-RAIL CONTROL. HERBERT S. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,481. 4 Claims. (Cl. 84—23.)

3. In a player piano action, a movable hammer-rail, a series of electro-magnets, a core for each magnet, said cores being secured together in end to end relation and connected to said hammer-rail by a hinged link, said



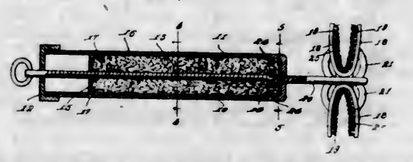
cores having a different longitudinal spacing from said electro-magnets whereby the position of the hammer-rail depends upon the electro-magnet actuated.

1,586,261. ADVERTISING DEVICE. EMERY R. NABORS, San Antonio, Tex., assignor of one-half to Thomas E. Breed, San Antonio, Tex. Filed Aug. 18, 1925. Serial No. 51,059. 2 Claims. (Cl. 40—127.)



1. In an advertising device of the character described, a support; a housing carried by said support; a bent tubular arm rotatably mounted in said housing; insulated conductor rings carried by said arm within said housing; brush members carried by said housing engaging said rings; a toy device provided with a propelling motor, carried by said arm; electrical connections carried within said arm, between said rings and motor; a plurality of sets of lamps carried by said toy device; an electrical circuit maker and breaker carried by said arm adapted to intermittently flash said sets of lamps; and electrical connections also carried within said arm, between said breaker and said sets of lamps.

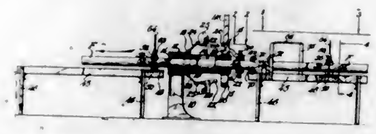
1,586,262. TOOTHBRUSH. ROCCO NOBLE, South Greensburg, Pa. Filed Apr. 8, 1925. Serial No. 21,641. 2 Claims. (Cl. 18—137.)



1. A brush including a hollow handle adapted to contain a tooth paste, a hollow tubular support projecting from one end of the handle and communicating therewith, a brush head arranged at each side of the support and including curved hollow extensions communicating

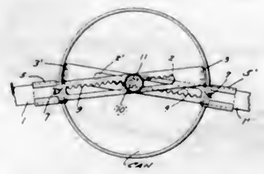
with said hollow support, and a substantially U-shaped member of a width greater than the diameter of said curved extensions and received and supported by the latter, bristles carried by the U-shaped member and adapted to be supplied with paste from said hollow support through said curved extension, and means operable within the handle for ejecting the paste therefrom onto said bristles as specified.

1,586,263. FLUE CUTTING, CLEANING, AND WELDING MACHINE. RICHARD J. O'NEILL, Denver, Colo. Filed Apr. 1, 1922. Serial No. 548,747. 17 Claims. (Cl. 29—33.)



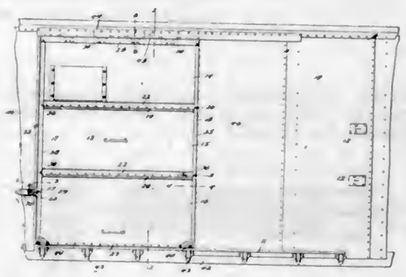
1. In combination, a hollow support adapted to receive therein a flue or the like, flue-treating members for engaging the flue, means for bodily rotating said members relatively to the flue for acting upon the latter, and means for automatically increasing the pressure of the members with increase of speed of rotation during operation.

1,586,264. CAN OPENER. ALFRED PAGE, Berkeley, Calif. Filed Dec. 15, 1924. Serial No. 756,010. 4 Claims. (Cl. 30—3.)



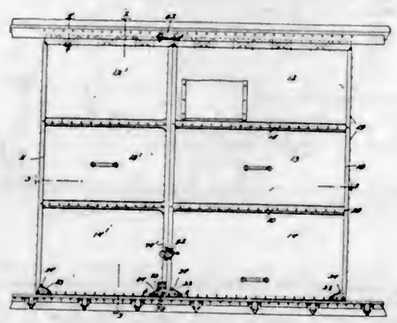
1. A can opener comprising a pair of levers pivoted to one another, two blades on each lever adapted all to penetrate the end of a can and to cut around the edge of the end upon pivotally operating the levers.

1,586,265. SIDE DOOR. WILLIAM G. POWELL, Altoona, Pa. Filed July 12, 1924. Serial No. 725,653. 5 Claims. (Cl. 189—46.)



1. In a metal door, in combination, a plurality of connected panels, a flange on each meeting edge of each panel, offset from but substantially parallel to the plane thereof, flanges on adjoining panels being overlapped and secured together, a flange at the end of each panel substantially at right angles thereto and on the same side as said meeting flanges, and an angle bar edge stiffener secured to the ends of said panels by fastening one of its flanges to said right-angled end flange and its other flange to the ends of said offset flanges.

1,586,266. AUXILIARY DOOR FOR FREIGHT CARS. WILLIAM G. POWELL, Altoona, Pa. Filed Aug. 29, 1924. Serial No. 735,013. 7 Claims. (Cl. 189—46.)



1. An auxiliary door for freight cars including in combination with a door frame, door panels adapted to overlay said frame when the door is closed, reinforcing means at the top and bottom thereof, rollers on which said door is adapted to slide, and cam means secured to the door frame acting in two directions to lock said door against rattling, said means engaging a part on said door remote from the edge thereof and outside of the plane of the panels thereof.

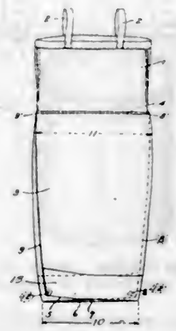
1,586,267. FELT-CUTTING TOOL. CHARLES J. RECTOR, Monterey, Calif., assignor of one-half to Thomas L. O. Fassett, San Francisco, Calif. Filed Dec. 1, 1924. Serial No. 753,305. 5 Claims. (Cl. 164—57.)

1. A mechanic's tool of the character described comprising a body, a flat blade reciprocably mounted in an opening through the body, a U-shaped handle extending from the body and with one leg of the U returning under the blade and slotted to receive the blade upon reciprocation of the same and hand operated means cooperating with the handle for reciprocating the blade.

1,586,268. GARMENT. SALLY C. REED, San Francisco, Calif. Filed Nov. 22, 1923. Serial No. 676,378. 1 Claim. (Cl. 2—73.)

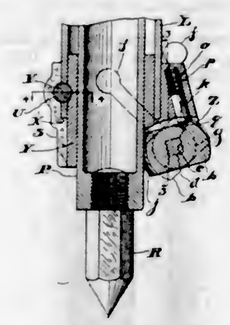
A skirt of the character described comprising a tubular body formed of material with the end circumferentially

overlapping to form a double back panel and of reduced diameter at the bottom edge and with free vertical edges



at opposite sides of a wearer, the lower edge of the respective overlapping ends slanting downward from the lower corner and a weight secured to each lower corner.

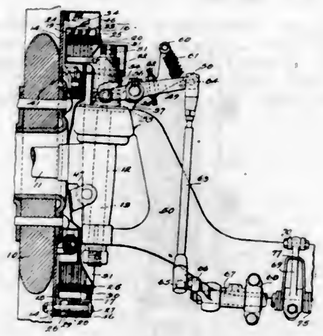
1,586,269. AIR-FEED LOCK. WILLIAM A. SMITH, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 20, 1925. Serial No. 38,477. 7 Claims. (Cl. 121—9.)



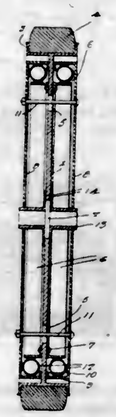
1. In an air feed lock for rock drills, the combination of a feeding cylinder with a piston rod rotatable in the cylinder, a bearing secured to the cylinder, and means supported by the bearing in frictional engagement with the rod for preventing recoil of the cylinder during the operation of the drill.

1,586,270. BRAKE ACTUATOR. WALTER J. SPIRO, White Plains, N. Y. Original application filed Apr. 23, 1924. Serial No. 708,449. Divided and this application filed Jan. 2, 1925. Serial No. 167. 21 Claims. (Cl. 188—194.)

9. In a friction brake, a wheel, a series of friction rings carried thereby, an intermediate series of brake rings normally rotatable with the friction rings, a slidingly mounted brake actuator adapted to engage and retain said brake rings, a lever from the actuator, a power member, and a yielding connection between the lever and said member.

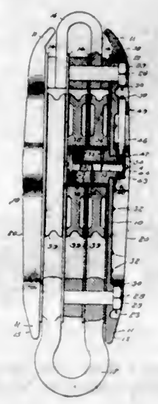


1,586,271. RESILIENT AUTOMOBILE WHEEL STRUCTURE. STEPHEN W. TONRY, Boston, Mass. Filed Feb. 25, 1925. Serial No. 11,457. 1 Claim. (Cl. 152—46.)



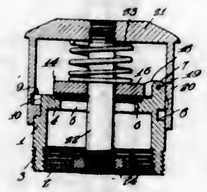
A wheel structure comprising a pair of spaced disks, a hub in association with the central portions of said disks, said hub being composed of spaced sections, a discular plate arranged between said disks, said plate having an opening at its center cooperating with and disposed between the sections of said hub, said plate being formed with circumferentially spaced transverse openings and with a tire rim at its periphery, the peripheral portions of said disks being directed inwardly toward each other, and at a point spaced inwardly of said rim and slidably contacting the opposite sides of said plate, bolts connecting said disks together and extending through said openings to permit relative radial movement of said plate with respect to the disks, flanges carried by said plate, and pneumatic tubes arranged between said flanges and the peripheral portions of said disks.

1,586,272. TRAVELING BLOCK. WALTER G. VREELAND, Houston, Tex., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed June 12, 1923. Serial No. 644,973. 4 Claims. (Cl. 308—102.)



1. A traveling block of the type employing a center bearing pin bored to form an oil reservoir characterized by the provision of a closure for said reservoir a nut on said bearing pin surrounding one end of said reservoir for holding said pin against rotation, said nut having a radial opening therein, an auxiliary oil reservoir fitting said radial opening in said nut and preventing turning of said nut, and means engaging said auxiliary oil reservoir at a distance from said nut.

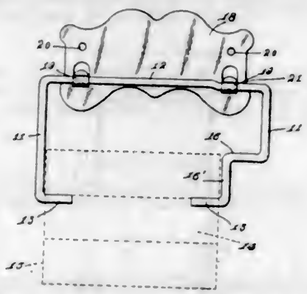
1,586,273. GAS TANK AND RADIATOR CAP. JAMES HIRAM WALL, Seaside, Oreg. Filed May 7, 1924. Serial No. 711,681. 1 Claim. (Cl. 220—24.)



In a device of the class described, a base having an opening, a cap covering the base; a combined means for closing the opening and for connecting the cap movably but securely to the base, said means comprising a stem mounted at one end on the cap and provided with a stop, a valve located between the stop and said end of the stem, the stem being slidable in the valve, and means between the base and the valve which acts at all times to hold the cap, the valve, and the base, in permanently connected and hingedly united relation; a compression spring about the stem and engaging the cap and the valve to hold the valve closed, and means for retaining the cap detachably on the base, against the action of the spring.

1,586,274. HOLDER. CHARLES EDWIN WELCH, Waco, Tex. Filed Feb. 9, 1924. Serial No. 691,839. 1 Claim. (Cl. 211—31.)

A roll holder comprising a substantially yoke-shaped member including spaced parallel arms, a bar connecting said arms, spaced aligned roll supporting trunnions at the opposite ends of the arms, an inwardly extending

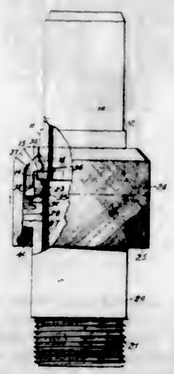


right angled offset portion joining one of the arms and its trunnion and means for supporting the yoke-shaped member.

1,586,275. VULCANIZING BLOCK. PAUL R. C. WINANS, Fullerton, Calif. Filed Mar. 4, 1924. Serial No. 696,826. 2 Claims. (Cl. 18—18.)

1. A vulcanizing block comprising a rigid backing plate with an elastic pad on one side thereof and radially disposed retainers on the plate engaging the pad.

1,586,276. AIR-LINE COUPLING. LEONIDAS D. WOODRUFF, Chicago, Ill. Filed Sept. 22, 1923. Sreial No. 664,283. 10 Claims. (Cl. 285—189.)

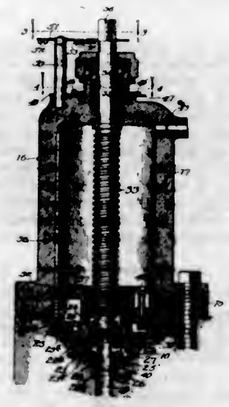


1. An air line coupling adapted to secure together in rotatable manner a pair of hose fittings comprising a hose nipple having a marginal shoulder, a counterbored body receiving said shoulder, a cam member engaging the end of the body and the shoulder of the fitting, and a sleeve having a threaded engagement with said body, said sleeve being spaced from the body and enclosing said cam and having a camming engagement with said cam member at one limit of its travel on said body.

1,586,277. TEARING-STRIP CAN. JOHN M. YOUNG, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 11, 1924. Serial No. 742,999. 5 Claims. (Cl. 220—54.)

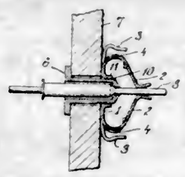
1. A can, comprising a body having score lines setting off a circumferentially arranged tearing strip near the top, the material of the body being bent inwardly within the body adjacent said tearing strip, and away from the line of that part of the can wall which is attached to the cover, and a cover seamed to the upper end of the body and having a downwardly extending friction wall arranged inwardly at a distance from the seam between the cover and body a distance equal to the inward extension of the bend of the body, said friction wall being adapted to enter within the bend after the tearing strip is removed to form a tight and readily removable closure.

1,586,278. CLEARANCE POCKET. WILLIAM C. BARDENHEUER, Chicago, Ill., assignor to Brunswick-Kroeschell Company, a Corporation of New Jersey. Filed June 27, 1925. Serial No. 39,969. 7 Claims. (Cl. 230—24.)



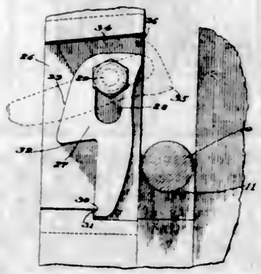
1. In combination with a cylinder having a reciprocating piston therein; a clearance pocket attached to one end of the cylinder comprising a substantially cylindrical shell; a port in the cylinder wall affording a communication between one end of the bore of the cylinder and the interior of said shell; and means for varying the effective size of said shell, said means including a piston in said shell, a threaded shaft extending through said piston, and a bearing member adapted to support one end of said shaft, the other end of said shaft projecting outside of said shell, whereby said shaft may be rotated to move said piston in said shell.

1,586,279. ELECTRIC CONNECTER. EDMUND BATCHELDER and JESSE G. M. BULLOWA, New York, N. Y., assignors to Brooklyn Metal Stamping Corporation, a Corporation of New York. Filed July 14, 1923. Serial No. 651,509. 1 Claim. (Cl. 173—363.)



A jack comprising a metal plate having a plug receiving opening and formed with an upturned internally threaded flange surrounding the opening, a plurality of upstanding spring contact fingers carried on the plate with their free ends disposed over the opening to contact automatically with the plug upon its insertion in the opening, and a sleeve having an externally threaded end for engaging with the internal threads of the flange.

1,586,280. CLOTH-ROLL LOCK. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 27, 1925. Serial No. 71,845. 9 Claims. (Cl. 139—308.)

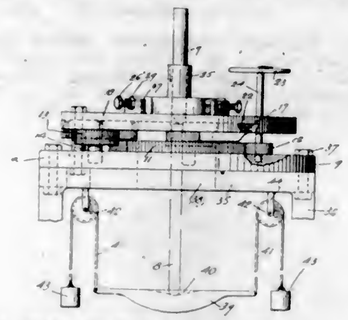


1. In a loom, the combination of a cloth roll stand having a guide way which receives the journal of a cloth roll and a roll removing opening leading into the guideway between the upper and lower ends thereof, a lock for closing the opening and manually movable to its unlocking position to permit the removal of one cloth roll and the insertion of another, and a tumbler connected to the lock for automatically tripping the lock by engagement with the cloth roll as the cloth roll is removed to cloth winding position.

1,586,281. CENTER PUNCH. GASTON A. BRUNELLE, San Francisco, Calif. Filed June 29, 1925. Serial No. 40,824. 3 Claims. (Cl. 33—191.)

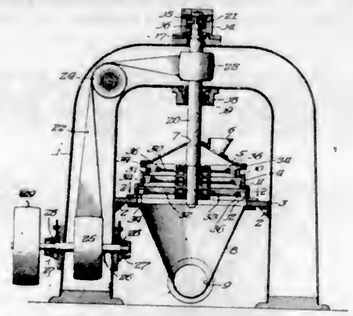
1. A center punch comprising a body having a vertically extending passage for receiving the work to be punched, a slidable punch extending vertically downward into the passage and disposed in alinement with the center thereof, a plurality of arms arranged in angular relation and slidable radially toward and away

from the center of the passage, means for operating said arms to slide simultaneously and synchronously into contact with spaced lateral portions of the work and



thereby center the same with the punch, and gravity actuated means engaging the lower end of the work and supporting the same vertically between said arms.

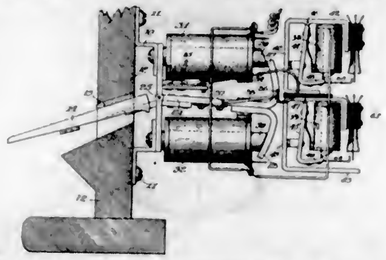
1,586,282. GRANULATING MILL. FRANK L. BRYANT, Joliet, Ill. Filed Feb. 7, 1923. Serial No. 617,482. 3 Claims. (Cl. 83—11.)



1. In a mill for granulating materials without substantial attrition or excessive heating, the combination of a vertically disposed casing increasing in diameter downwardly, a plurality of horizontal vertically spaced imperforate disks, rotatably supported therein and increasing in diameter downwardly, the casing having an inlet above the disks, there being a substantially unobstructed passage between the casing and the said rotating disks through the granulating zones, a substantially free discharge around the entire periphery of the lower disks, a delivery chute open from the lower end of the casing and substantially coextensive at its upper end with the lower end of the casing, a plurality of beaters spaced around the peripheries of the several disks and projecting radially therefrom, and means for constricting the movement of the material to substantially a vertical path.

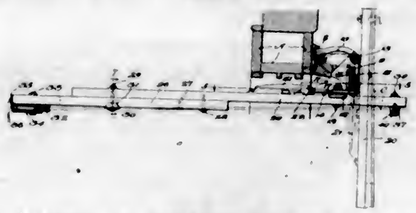
1,586,283. ORGAN. EUGENE J. BUCHHEIN, Highland, Ill. Filed Sept. 25, 1924. Serial No. 739,836. 13 Claims. (Cl. 84—341.)

9. In a musical instrument, the combination with the great registers and pedal keyboard thereof, of coupling mechanism controllable to effect the coupling and uncoupling of said great registers with said pedal keyboard, a controlling element operable, in each operation, in the same direction, mechanism interposed between said coupling mechanism and said controlling element operating upon successive operations, respectively, of said controlling element, to cause said coupling mechanism to be in coupled and uncoupled condition, respectively, comprising relays having contact devices, electric magnets controlled by said relays, an armature the position of which is controlled by said electric magnets, and contacts controlled by said armature, the whole being so constructed and arranged that when



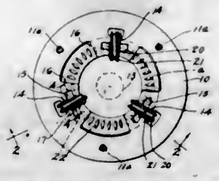
said armature is in one position and said controlling element is actuated, one of said relays will be actuated to cause said coupling mechanism to be in coupled condition and when said armature is in another position and said controlling element is again actuated, the other of said relays will be actuated to effect uncoupling of said first named mechanism.

1,586,284. SUPPORT FOR DRYING LINES. HIRAM M. BURDICK, Frankfort, N. Y. Filed Nov. 28, 1925. Serial No. 71,897. 3 Claims. (Cl. 68—3.)



1. A support for drying-lines comprising a bracket attachable to the exterior of a building to the side of an opening therein, a pintle on the upper side of said bracket, there being an arcuate slot in said bracket centered on said pintle, a supporting member having a seat engaged by said pintle, a bolt on said member extending through said slot, a line-carrying arm swingable on a pivot on said member to and from substantially horizontal position, a sheave on the inner portion of said arm, a line-guide on the outer portion of said arm beyond said pivot, and means whereby said arm is held in substantially horizontal and hanging positions.

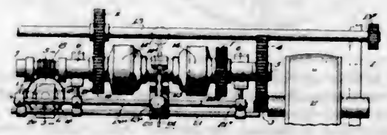
1,586,285. MULTIPLE WORM GEARING. JAMES P. BURKE, Newark, N. J., assignor to James R. English, Newark, N. J. Filed Apr. 3, 1925. Serial No. 20,328. 5 Claims. (Cl. 74—36.)



1. In gearing mechanism, the combination with a pair of substantially coaxial shafts, of a worm fixed to one of said shafts, a gear fixed to the other shaft, and

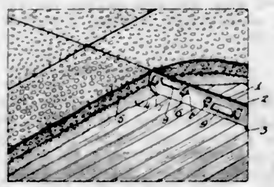
a combined worm and gear member meshing directly with the worm and gear aforesaid, and mounted in relatively movable relation in a direction substantially parallel to the direction of the shafts.

1,586,286. DRIVING AND REVERSING MECHANISM. DON H. BURT, Philadelphia, Pa., assignor to The Willey Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 27, 1925. Serial No. 33,077. 1 Claim. (Cl. 74—50.)



A driving and reversing mechanism comprising a motive mechanism, a clutch shaft, clutch elements upon said shaft, a shifting and oscillatory clutch sleeve having a radial arm also upon said clutch shaft, gearing connective of the motive and the clutch shaft to rotate said shaft constantly in one direction, a supplemental driven shaft, gearing connective of the clutch shaft and the supplemental shaft to rotate said supplemental shaft alternately in opposite directions,—with which are combined a means to shift the clutch sleeve comprising an operating rod having a shifter arm mounted upon it and adapted to engage a clutch arm extending radially from the clutch sleeve, and means comprising a worm wheel having a cam-way in its face, and a cross plate having a roller travelling in the cam-way of the worm wheel and connected with the operating rod to continuously reciprocate said operating rod.

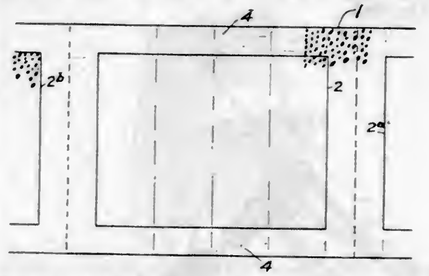
1,586,287. PATTERN AND GUIDE STRIP. SEWARD HOMER CALKINS, Flushing, N. Y., assignor to The Traitel Marble Company, Long Island City, N. Y. Filed Sept. 8, 1925. Serial No. 55,125. 9 Claims. (Cl. 94—18.)



1. For use as a pattern and guide in laying flooring and other surfaces, finished in terrazzo or similar material, a flat strip of flexible material having uninterrupted straight upper and lower edges, a series of longitudinally disposed openings of greater length than width, extending in width from the central longitudinal line of the strip upward, and a series of openings of greater length than width extending in width from the central longitudinal line of the strip downward.

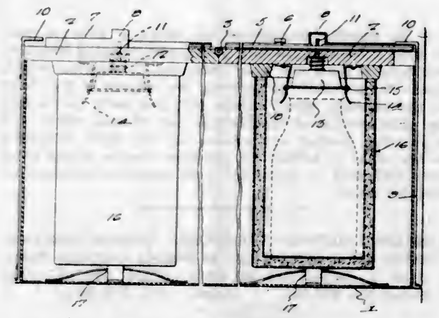
1,586,288. BLOCK-PRINTED FELT-BASE RUG AND METHOD OF MAKING SAME. NEIL L. CAMPBELL, Salem, N. J., assignor to John B. Campbell Manufacturing Company, Inc., Salem, N. J., a Corporation of New Jersey. Filed Nov. 26, 1923. Serial No. 677,014. 5 Claims. (Cl. 101—171.)

1. The method of making block printed felt base two-tone rugs which consists in primarily coating the entire area of the carpet, block printing rug centers upon the carpet leaving the primarily coated carpet face exposed



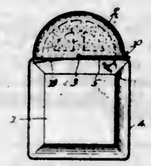
between and at the margins of the rug centers to provide rug borders, and cutting the rugs apart between the spaced rug centers.

1,586,289. MILK-BOTTLE HOLDER. JOHN WILLIAM CARPENTER, El Paso, Tex. Filed Sept. 22, 1924. Serial No. 739,104. 4 Claims. (Cl. 232—41.)



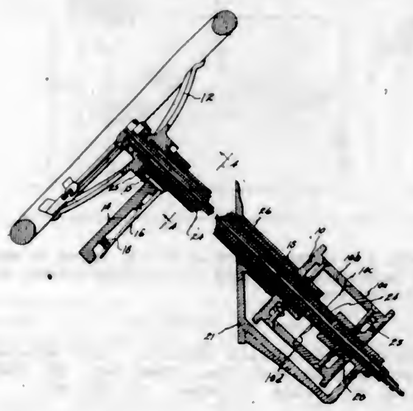
1. A milk bottle holder comprising a box divided into bottle receiving compartments, a separate closure for each compartment, aligned guide channels secured to the top sides of said closures and spaced apart at their inner ends, means hingedly connecting the opposed inner ends of the closures together, keepers attached to the opposite ends of the box, and a retaining rod slidable in said guide channels and cooperative with said keepers.

1,586,290. VANITY CASE. ALBERT CLEMENS, Louisville, Ky. Filed Nov. 4, 1925. Serial No. 66,793. 10 Claims. (Cl. 132—82.)



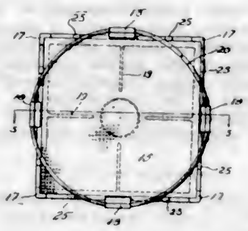
1. A vanity case comprising a body adapted to hold powder and closed except along an edge, and a puff carrier pivotally secured to the body transversely of said edge and adapted to close an opening along the edge when the puff is moved into the body wherein the puff has the form of a segment of a disk of appreciable thickness and wherein a radial face of said puff closes the opening when the puff is projected for use.

1,586,291. STEERING MECHANISM FOR BOATS. JAMES E. CLEMENT, New Baltimore, Mich. Filed Apr. 16, 1924. Serial No. 706,900. 5 Claims. (Cl. 114–160.)



1. In steering mechanism for boats, a tiller, a pair of lines connected thereto, a two-part steering drum to which said lines are also connected, a steering wheel, means for permanently securing one section of the drum to the steering wheel, means for detachably connecting the other section of the drum to the steering wheel, and means for moving one section of the drum relatively to the other to adjust the effective lengths of the tiller lines including an adjusting lever mounted adjacent the steering wheel.

1,586,292. SUCTION STRAINER. CHARLES CORNWALL, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Mar. 7, 1924. Serial No. 697,627. 7 Claims. (Cl. 210–94.)

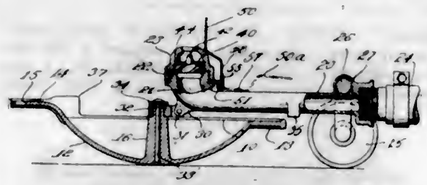


1. In a device of the character described, the combination with a hollow body member having an open bottom and downwardly projecting spaced feet, of a screen, and a spring retaining member lying outside of some of the feet and inside the others for holding the screen against said body member.

1,586,293. CLEANING COMPOUND FOR WHITE-LEATHER SHOES AND THE LIKE. CONSTANTINOS CURITHONOS, Brooklyn, N. Y. Filed Sept. 19, 1925. Serial No. 57,289. 1 Claim. (Cl. 134–9.)

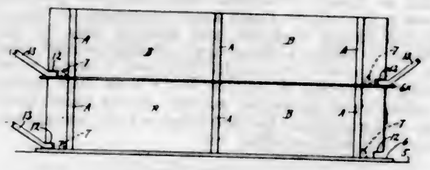
A white leather cleaning compound comprising one and one-half ounces of castile soap, one-half ounce carnauba wax, two pounds of pulverized white chalk and sufficient water.

1,586,294. LAWN SPRINKLER. WILLIAM L. DEMING, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Oct. 25, 1923. Serial No. 670,695. 14 Claims. (Cl. 299–56.)



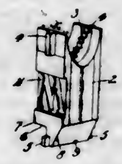
1. A lawn sprinkler having in combination a nozzle, of a ground engaging member therefor in the form of a hollow bowl, means for attaching said member to the nozzle by a universal connection, said member being adapted to hold the nozzle in upright position, and to enable it to be drawn across the ground without being tipped.

1,586,295. MOLD FOR BRICK AND BUILDING BLOCKS. WEAVER DIEHL and OSCAR EGEMO, Rapid City, S. Dak. Filed Mar. 26, 1925. Serial No. 18,419. 1 Claim. (Cl. 25–121.)



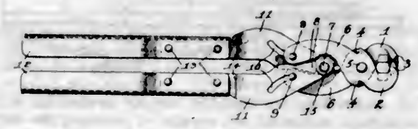
A mold of the class described, composed of two sections of similar size and form, and means for holding said sections one upon the top of the other; each section having a series of cells to be filled from above, and a removable base board, the upper one of which covers the entire top of the lower section and is adapted to be removed when the two sections are used together for molding blocks double the size molded by each individual section.

1,586,296. MATRIX OR TYPE DIE FOR TYPOGRAPHICAL COMPOSING MACHINES. TOM DRAKE, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a Company duly registered under the Limited Liability Company's Acts (1862–1900). Filed June 30, 1924. Serial No. 723,086. 4 Claims. (Cl. 199–64.)



1. A matrix for circulation in a typographical composing machine, formed with distributing teeth and upper and lower pairs of lugs all of substantially less thickness than the matrix body in sidewise direction and all located in alignment in a vertical plane passing through the centre of gravity of the matrix, and having its leading side undercut to permit the upper portion of the matrix to overhang the distributor stop rails.

1,586,297. PLIERS. HENRY C. DU BOIS, Stratford, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Sept. 12, 1924. Serial No. 737,234. 7 Claims. (Cl. 294–38.)



1. Pliers of the class described, comprising a pair of jaws having shanks assembled in crossed relation upon a main fixed pivot, and a pair of extension-members connected in crossed relation to pivots upon said jaw-shanks, said pivots having a floating relationship to each other, and each of said extension-members having a body slot in which is fitted to slide operatively a pin set in the free end of the jaw-shank opposite to the shank connected to said extension-member, and each of said jaw-shank pivots being fixed to a portion of its supporting jaw-shank at a point between said main fixed pivot and the pin in the free end of said shank.

1,586,298. WHEEL-RIM-LOCKING DEVICE. CLARENCE D. EATON, Kansas City, Mo. Filed Aug. 5, 1925. Serial No. 48,254. 7 Claims. (Cl. 70–122.)

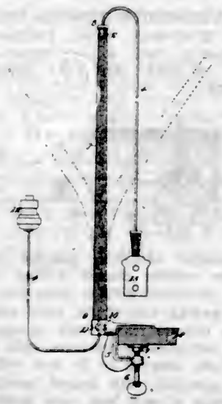
1. In a wheel rim locking device, a felly adapted to support a rim, a clamping member bearing against the felly and adapted to engage and hold the rim from lateral movement in one direction on the felly, a bolt extending through the felly and clamping member and bearing against the felly, a nut on said bolt bearing against the clamping member, a locking member movable to and from a position in which it will engage the bolt and nut and hold the latter from turning, and a lock having a casing carried by the locking member and having a bolt adapted to be moved by a key to and from engagement with the felly for holding the locking member from moving from said position.

1,586,299. POCKET CONSTRUCTION FOR LEATHER GOODS. ARTHUR EHRLINGER, Philadelphia, Pa., assignor to F. W. Klinger & Langbein Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1925. Serial No. 78,541. 2 Claims. (Cl. 150–28.)

2. A receptacle or the like having a compartment, a strip of material secured to one wall thereof and having an outer flange, a pre-moulded outer pocket member comprising a front wall having rearwardly extending end and bottom walls, an integral outer flange extending around the ends and bottom of said walls and parallel to said front wall, the pocket being open at its top, a binding strip enclosing the aforesaid strip and outer pocket flange, and a line of stitching extending through said binding strip and the contiguous flanges,

whereby a well defined pocket is formed having substantially the same dimensions throughout its transverse and longitudinal median lines.

1,586,300. YIELDABLE SUPPORT. HERBERT B. FIELDS, Alameda, Calif., assignor of one-half to Frederick J. Behneman, San Francisco, Calif. Filed Feb. 19, 1925. Serial No. 10,196. 1 Claim. (Cl. 248–30.5.)

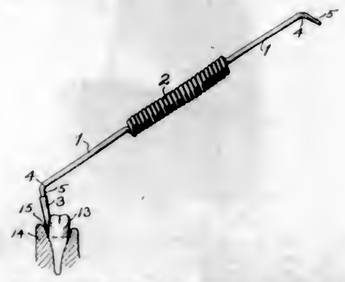


A yieldable support for flexible cords comprising a universally resilient, helically wound tubular carrier sheath tapered throughout its length and self-sustaining in a vertical position, a mounting member, said sheath being secured at its larger end to the mounting member and its other end free; a wearing guard carried within said free end adapted for the passage therethrough of the cord with a normal frictional holding fit.

1,586,301. APPARATUS FOR ROTATING PIPE. HUGH FOLEY, Sour Lake, Tex. Filed May 2, 1921. Serial No. 466,342. 2 Claims. (Cl. 81—54.)

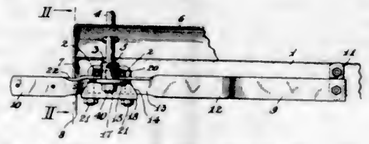
1. In a device of the character described, a gripping head comprising a ring having a plurality of recesses formed interiorly thereof, a slidable shoe mounted in each of said recesses and formed with a slot near one end thereof, a detachable gripping dog disposed in each of said slots, a wedge disposed in each of said slots between the dog and the shoe for holding the dog firmly in position, and means for moving said dogs into gripping engagement with a pipe.

1,586,302. COMBINED FLEXIBLE TOOTH CLEANER AND MEDICINE CARRIER. LEVI L. FUNK, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,801. 3 Claims. (Cl. 32—10.)



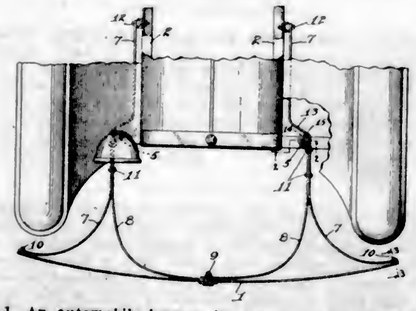
1. A wire member coiled to obtain a handle and beat adjacent to one end, said end provided with a passage-way therethrough, in combination with a flexible tubular member, chisel shaped at one end, the tubular end thereof joined to said end having a passage way therethrough.

1,586,303. AUTOMOBILE BUMPER BRACKET. OSCAR H. GOETZ, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed July 30, 1924. Serial No. 729,030. 8 Claims. (Cl. 293—55.)



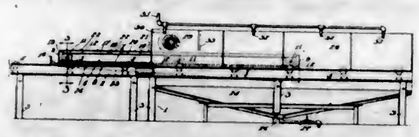
1. In a bumper attaching bracket, the combination with a motor vehicle chassis having a frame and a lamp-bracket provided with a lamp-post, of an attaching member having one of its ends adapted to be secured to the chassis frame, and means for supporting said member intermediate its ends, said means including a U-shaped bolt adapted to fit over said lamp bracket, and a plate provided with spaced apertures adapted to receive the ends of said bolt, said plate being provided with an extending portion apertured to receive said lamp-post.

1,586,304. AUTOMOBILE BUMPER BRACKET. OSCAR H. GOETZ, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed July 30, 1924. Serial No. 729,031. 6 Claims. (Cl. 293—55.)



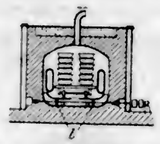
1. An automobile bumper bracket of the type adapted to derive its support in part from a lamp-post extending from a fender bracket, said bumper bracket comprising a member having an eye to receive said post.

1,586,305. RUG-CLEANING MACHINE. CHARLES F GARGO, Indianapolis, Ind. Filed Aug. 15, 1924. Serial No. 732,248. 7 Claims. (Cl. 15—40.)



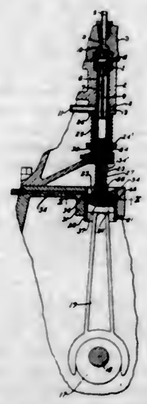
2. A machine for cleaning carpets comprising a flat foraminous reciprocal bed capable of receiving the carpet to be cleaned flatwise, an open bottomed housing capable of receiving the entire bed having an opening at one end through which the bed may be projected into and out of the housing, a rotary brush mounted in said housing above the path of movement of said bed, means within said housing above the path of movement of said bed for delivering cleaning fluid on the top of the carpet to be cleaned as said bed moves within said housing and a collecting pan beneath and movable with said bed.

1,586,306. TUNNEL OVEN. GUSTAF GRÖNDAL, Djursholm, and LORENS CARLSON, Stockholm, Sweden. Filed Nov. 6, 1924. Serial No. 748,193. 4 Claims. (Cl. 202—9.)



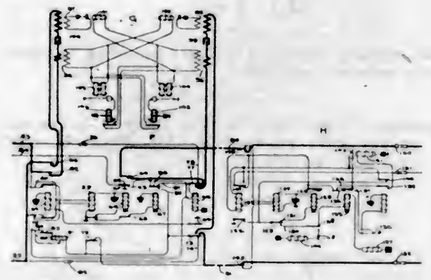
1. A tunnel oven for distilling oil and other products from bituminous materials as shales, schists, coal and the like, comprising movable cars, trays piled up with interspaces upon such cars and carrying the material thereon in thin layers, heating devices situated inside the oven, means for closing the oven at its inlet and outlet ends, outlets for the vapors and gases generated in the distillation, and fans arranged in the distillation chamber itself for producing a circulation of the said vapors and gases.

1,586,307. PUMP. REINHARD HILDEBRAND, Webster Groves, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,491. 5 Claims. (Cl. 74—14.)



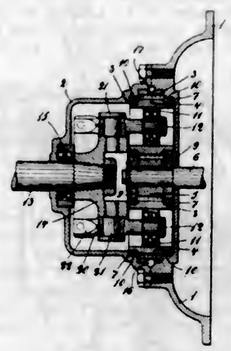
3. A pump provided with a plunger having an abutment, a slidable member having a striking face adapted to strike said abutment to actuate said plunger, and a guide in which said slidable member is mounted, said slidable member having a passageway leading from said guide to said striking face, and said guide being provided with a lubricant passageway leading to the first mentioned passageway.

1,586,308. TELEPHONE SYSTEM. JOHN H. HOMRIGHOUS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 2, 1919, Serial No. 294,173. Renewed Oct. 24, 1924. 23 Claims. (Cl. 179—23.)



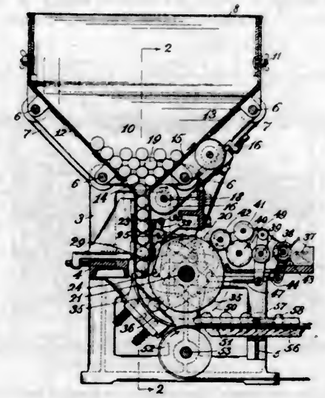
1. In a telephone system, a calling telephone and a line therefor, a called telephone and a line therefor, a voice current repeater, means for connecting said lines over a talking circuit, and means for thereafter automatically inserting said repeater in said connection, whereby conversation may be carried on between the two telephones through said repeater, said last means controlled over the line of the called telephone.

1,586,309. PLANET GEAR. CARL ALBIK HULT, Stockholm, Sweden. Filed Feb. 21, 1924. Serial No. 694,290. 14 Claims. (Cl. 74—34.)



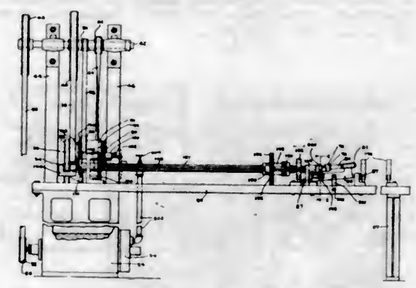
1. A toothed planet gear, in which the planet pinions are provided with elastic centering rings loosely mounted on the hub of the pinions and adapted to be kept in frictional engagement with outer and inner roller races by the spring action of the rings.

1,586,310. MACHINE FOR PRINTING ARC-LAMP CARBONS. CARL W. JOHNSON, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed July 1, 1924. Serial No. 723,437. 28 Claims. (Cl. 101—40.)



1. A machine for printing arc-lamp carbons, comprising a device for supporting a plurality of carbons, mechanism for arranging said carbons in a row, and means including a printing drum directly engaging the leading carbon in the row, separating it from said row and in so doing printing and ejecting it.

1,586,311. MACHINE FOR MAKING WELL SCREENS FROM METALLIC TUBES. EDWARD E. JOHNSON, St. Paul, Minn. Filed Mar. 3, 1924. Serial No. 696,418. 19 Claims. (Cl. 29—33.)

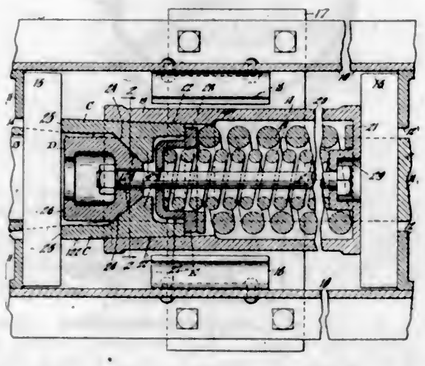


1. A machine for making well screens from metallic tubes comprising a cutting tool, means for giving the tube and said cutting tool a relative combined rotative and longitudinal movement, and means for causing said cutting tool and tube to alternately approach and recede with relation to each other to produce a succession of helically extending slots in the wall of the tube.

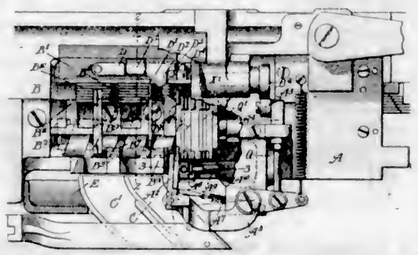
1,586,312. FRICTION SHOCK-ABSORBING MECHANISM. GEORGE A. JOHNSON, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,292. 5 Claims. (Cl. 213—24.)

1. In a friction shock absorbing mechanism, the combination with a friction shell having inwardly converging interior, opposed friction surfaces; of a spring resis-

tance; a wedge member; friction shoes having wedging engagement with the wedge during a predetermined portion of the compression stroke and coacting with said friction surfaces; means relatively movable with reference to the shell for transmitting the actuating pressure direct to said shoes at the beginning of the compression stroke to force the same inwardly of the shell along the converging surfaces thereof, thereby simultaneously effecting lateral approach of said shoes, said means being normally out of contact with the wedge means and adapted to engage and actuate the same after said predetermined compression; and means for positively limiting the outward movement of the wedge with reference to the shell to normally hold said wedge spaced from said means during said predetermined compression.



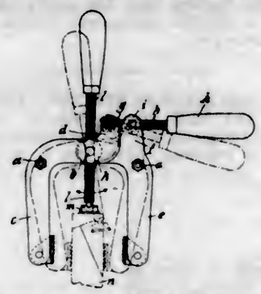
1,586,313. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Sept. 11, 1925. Serial No. 55,669. 10 Claims. (Cl. 199—40.)



1. In a typographical distributing mechanism, the combination of a ribbed bar, a set of high-pitched screws for advancing the matrices along the bar, means for feeding the matrices one at a time into position to be picked up by the screws, and means arranged adjacent to the pick-up zone to engage the advancing matrices at their upper ends and tending to retard them in their advance.

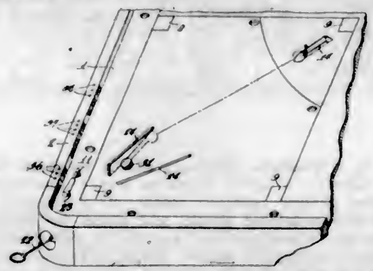
1,586,314. CLAMP. MICHAEL KIEFER, Munich, Germany. Filed Apr. 24, 1924, Serial No. 708,818, and in Germany May 2, 1923. 2 Claims. (Cl. 144—297.)

1. A clamp of the kind described, comprising in combination a pair of jaws pivoted on the same axis to swing towards and from each other, a third jaw also pivoted on said axis and extending between said pair, and means



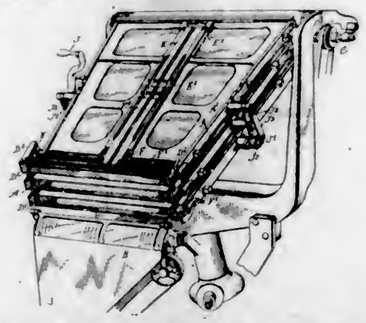
for swinging said third jaw and adjusting it radially with respect to said axis.

1,586,315. GAME APPARATUS. BERT W. LUCKENBILL, Alloway, N. J. Filed Jan. 19, 1926. Serial No. 82,218. 6 Claims. (Cl. 273—89.)



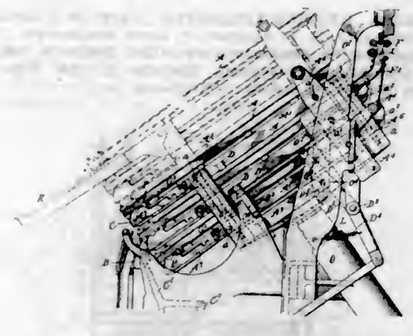
1. In a game apparatus, a board having a field with a home base marked thereon; means, operative at the will of a player, for projecting a ball toward the home base; means, operative at the will of the player, for deflecting the path of the ball after it is projected, and means, operative at the will of another player, for striking the ball and sending it into the field.

1,586,316. TYPOGRAPHICAL MACHINE. JAMES G. MCNAMARA, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed May 8, 1924. Serial No. 711,772. 21 Claims. (Cl. 199—46.)



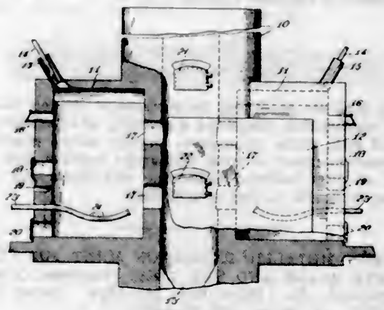
1. In a typographical machine, the combination of the main frame, a matrix magazine, a base frame movably mounted in the main frame and upon which the magazine is removably supported, a bank of escapements mounted upon the base frame in operative engagement with the magazine, and means for lifting the magazine from the base frame to disengage it from the escapement bank preparatory to its removal or replacement.

1,586,317. TYPOGRAPHICAL MACHINE. JAMES G. MCNAMARA, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed May 19, 1924. Serial No. 714,214. 17 Claims. (Cl. 199—45.)



1. In a typographical machine, the combination of a matrix magazine, a base frame upon which the magazine is removably mounted, and an escapement bar carried by the base frame in operative engagement with the magazine, the said bar being capable of endwise removal to permit the removal of the magazine in its own plane.

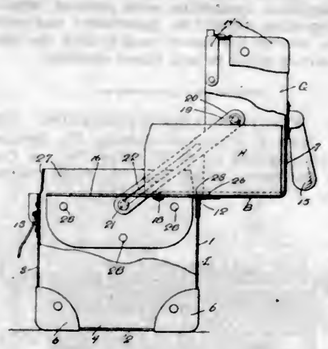
1,586,318. MEANS FOR BURNING LIME. JOHN T. MABEE, Chicago, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1924. Serial No. 703,943. 6 Claims. (Cl. 222—3.)



1. The process of burning lime by the use of pulverized fuel, which comprises placing lime stone in a stationary kiln, burning the fuel in a comparatively large separate combustion chamber so as to produce a large volume of mellow heat in the combustion chamber, and conducting the heated gases into the kiln and through the interstices between the broken limestone fragments held therein.

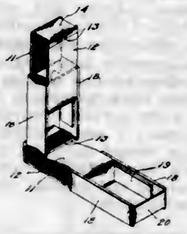
1,586,319. TOOL BOX. MAX MEYERSON, New York, N. Y. Filed Dec. 1, 1920. Serial No. 427,602. 2 Claims. (Cl. 206—16.)

1. A tool box comprising a body portion and a pivotally mounted cover therefor, a tray arranged within said box, supporting means for said tray along which the tray is adapted to slide partly into said cover when the cover is open, and pivot forming means connecting the cover



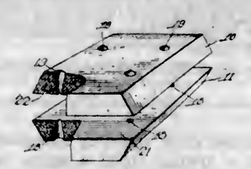
with the body, said pivot forming means being of metal and being disposed so that it constitutes a metallic wear surface along which the tray is adapted to slide.

1,586,320. BRACELET. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Feb. 20, 1925. Serial No. 10,681. 6 Claims. (Cl. 59—79.)



1. In an extensible bracelet structure, a series of box-shaped units each comprising relatively slidable band links one of said links having inward projections engaging and supporting the walls of the other link, said other link having a transverse split in one of its supported walls at such a point that when said links are extended said split wall may be pressed inwardly for attachment and detachment but when said links are in contracted position said projections support said split wall against inward movement.

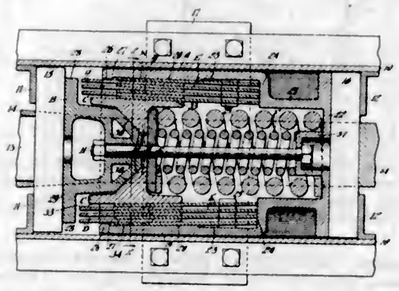
1,586,321. SECTIONAL CORE. CHARLES F. NEWPORT, Chicago, Ill. Filed Dec. 28, 1922. Serial No. 609,381. 9 Claims. (Cl. 22—165.)



1. In a process of forming cores composed of a plurality of sections, the following steps: forming a plurality of core sections, each having a plurality of tapering openings therethrough, the openings being arranged to register with the smaller ends thereof communicating

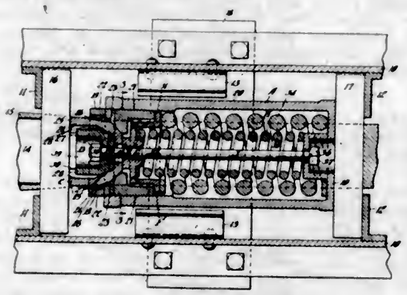
when said sections are assembled; baking said core sections; closing the larger ends of the openings of one of said sections; assembling said sections with corresponding openings thereof in registration and with the last named section lowermost; and joining the core sections by casting metal in said alined openings.

1,586,322. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,114. 2 Claims. (Cl. 213—33.)



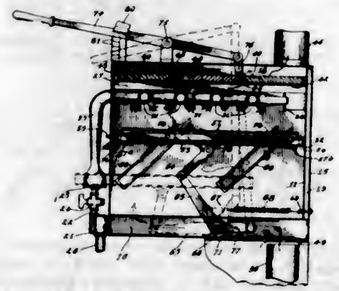
1. In a friction shock absorbing mechanism, the combination with a shell; of an outer follower movable relatively toward and from the shell; a lateral wedge pressure creating means co-acting with said follower, said means including friction shoes; a plurality of intercalated friction elements within the shell, said elements being divided into two inwardly converging groups on opposite sides of said wedge pressure creating means, alternate plates of each group being anchored to the shell and the remaining plates being movable relatively thereto during a compression stroke; a means within said shell for yieldingly resisting inward movement of said shoes independently of said movable friction elements; and means on said shoes engaging said movable elements to restore the same to normal position.

1,586,323. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 23, 1923. Serial No. 658,873. 4 Claims. (Cl. 213—34.)



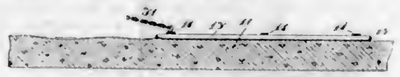
1. In a friction shock absorbing mechanism, the combination with a friction shell; a spring resistance; a friction generating system cooperating with said shell, said system including a plurality of friction shoes, a plurality of wedge elements adapted to initially receive the actuating force and an auxiliary wedge having effective wedging action on said wedge elements during initial action of the mechanism, said auxiliary wedge directly receiving the actuating force after a predetermined compression of the mechanism, said wedge elements and shoes having sets of engaging faces disposed at one angle with reference to the longitudinal axis of the mechanism and said auxiliary wedge and wedge elements having sets of engaging faces disposed at a different angle with reference to said axis; and means for preventing outward movement of said auxiliary wedge during the duration of said predetermined compression.

1,586,324. HEATING APPARATUS. HENRY W. O'DOWD, Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md., a Corporation of Maryland. Filed Mar. 1, 1919. Serial No. 279,964. 4 Claims. (Cl. 126—41.)



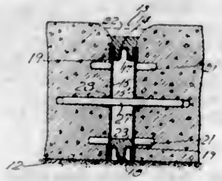
1. A broiler including a combustion chamber, a grid therein, a carriage for said grid, inclined channels in said chamber located respectively forward and rearward at opposite sides of said carriage, and devces carried by the carriage and slidably engaged in said inclined channels.

1,586,325. DEVICE FOR SMOOTHING THE SURFACE OF CONCRETE PAVEMENTS. CLIFFORD OLDER, Springfield, Ill. Filed Nov. 28, 1923. Serial No. 677,542. 5 Claims. (Cl. 94—45.)



1. A float for smoothing the surfaces of concrete roads under construction comprising a plurality of substantially parallel rigid strips arranged in slightly spaced relation, transverse members securing said strips together, and an apron of sheet material underlying said strips and extending from side to side of said float.

1,586,326. METALLIC EXPANSION JOINT FOR CONCRETE ROADS AND THE LIKE. CLIFFORD OLDER, Springfield, Ill. Filed July 28, 1924. Serial No. 728,567. 14 Claims. (Cl. 94—18.)

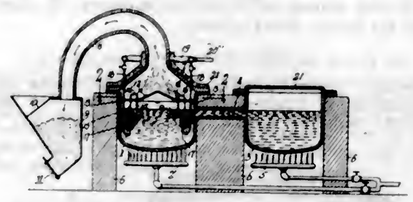


12. An expansion joint for concrete roads and the like comprising a pair of side plates, laterally compressible means joining the upper edges of said side plates, and dowel pins extending through both of said side plates and adapted to extend into the adjoining concrete sections.

1,586,327. PURIFICATION OF AIR TO RENDER THE SAME SUITABLE FOR BREATHING. GEORGE ST. J. PERROTT, Pittsburgh, Pa., and MAX YABLICK, New York, N. Y.; said Perrott assignor to said Yablick. Filed Oct. 31, 1925. Serial No. 66,102. 10 Claims. (Cl. 23—4.)

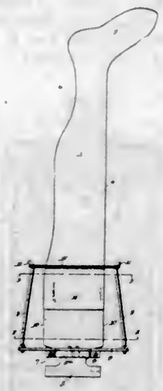
9. The process of purifying air vitiated with a high concentration of ammonia to render the air suitable for breathing after purification, which consists in passing the air through a mass of granules formed of porous material and solid acid.

1,586,328. METHOD AND APPARATUS FOR COMBINING MOLTEN METAL WITH A GAS. HERMAN A. POPPENHUSEN, Hammond, Ind. Filed Mar. 26, 1924. Serial No. 701,901. 13 Claims. (Cl. 266—34.)



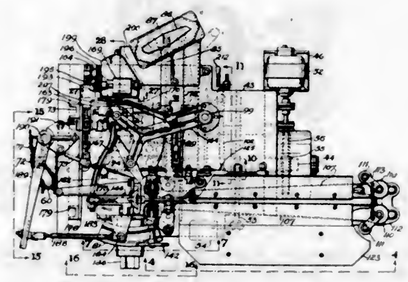
1. The method for combining a molten metal with a gas, consisting in directing a blast of gas across the open end of a tube communicating with a supply of molten metal for inducing a flow of molten metal to the open end of said tube for contact with the gas.

1,586,329. HOSIERY DRYING AND FINISHING STRUCTURE. EDISON E. RANDALL, Kankakee, Ill., assignor to Pope Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1924. Serial No. 701,564. 25 Claims. (Cl. 223—17.)



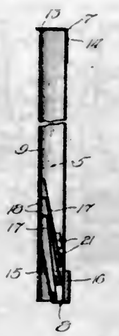
1. A hosiery-holder structure including upstanding spaced posts, an annular hosiery-engaging element extending between the posts and circumferentially expansible thereon, and a hosiery drying and shaping member upstanding between the posts and encompassed by said element to counteract the tendency of a hosiery-article to slip thereon.

1,586,330. TOSCANI-CIGAR MACHINE. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Aug. 28, 1925. Serial No. 53,145. 10 Claims. (Cl. 131—5.)



1. A Toscani cigar machine consisting of a traveling wrapper carrier, means for applying paste to the operating surface of said carrier, means for cutting and applying a wrapper to the pasted surface to cause said wrapper to adhere thereto and be carried thereby, cigar forming means to which said carrier delivers a paste-covered wrapper, and means for supplying filler to said forming means.

1,586,331. HOTEL REGISTER AND THE LIKE. SAMUEL SALOMON, Chicago, Ill., assignor to W. W. Wilcox Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed June 23, 1924. Serial No. 721,668. 3 Claims. (Cl. 129—16.7.)

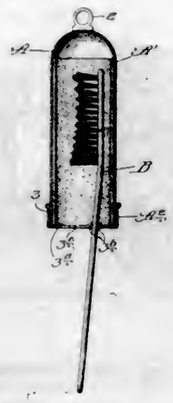


3. As a new article of manufacture, a slide for the purpose specified comprising a sheet-metal blank having a forwardly extending lug along its upper edge and an upwardly facing channel along the front face of its lower edge, together with an upwardly facing pocket at each end of the back face of the blank, each pocket being closed at its onter edge, substantially as described.

1,586,332. TOOTHBRUSH HOLDER. JAMES VINTON SCOTT, Shanghai, China. Filed Sept. 8, 1922. Serial No. 586,812. 2 Claims. (Cl. 248—63.)

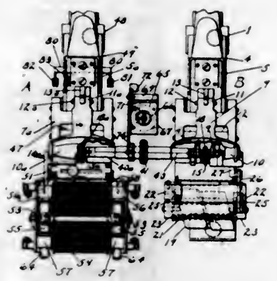
1. A tooth brush holder comprising an elongated tubular container having a closed end and an open end.

said container being provided with perforations in the tubular portion, a lining of absorbent material covering the entire internal surface of said tubular portion, and a



cap applied to the open end of said container and having a slitted, flexible, resilient wall adapted to enable a tooth brush to be inserted or withdrawn.

1,586,333. ELECTRICAL SWITCHING SYSTEM. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed Mar. 28, 1922. Serial No. 547,460. 2 Claims. (Cl. 200—93.)

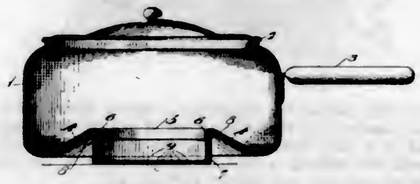


1. Circuit breaker mechanism comprising independently operable switches, a latch for each of them for restraining it in normal position, a latch actuator for each latch, electro-responsive means comprising an armature normally held in attracted position, a cam member connected with said armature and actuated by movement of one of said switches to normal position to move said armature to attracted position, said armature when released actuating said cam member to actuate the latch actuator of said one of said switches to trip it, a member movable independently of said latch actuator and adapted by movement in one direction only to actuate said latch actuator to trip said one of said switches, a mechanical connection from said member to the latch actuator of another of said switches, and electro-responsive means for actuating said latch actuator of said other of said switches and said member for tripping said switches.

1,586,334. AUTOMATICALLY THREADING SHUTTLE FOR LOOMS. JAMES A. SELF, Sr., Lynchburg, Va., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 3, 1926. Serial No. 85,787. 9 Claims. (Cl. 139—223.)

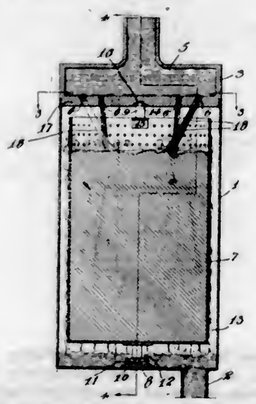
1. An automatically threading loom shuttle having a side delivery eye and a longitudinally extending thread passage, a main scroll mounted in the thread passage rearward of the side delivery eye, and an auxiliary scroll mounted at the front of the thread passage frontward of the side delivery eye to control the delivery of thread from the shuttle during weaving.

1,586,335. CORN POPPER. ABRAHAM B. SCHOFF and CLARENCE E. CARRUTH, Dubois, Pa. Filed Oct. 23, 1925. Serial No. 64,284. 4 Claims. (Cl. 53—4).



1. In a device of the character stated a popped corn receptacle, having a tapered bottom an unpopped corn receptacle therebelow, the latter receptacle having a bottom provided with a plurality of concentrically arranged, annular cavities therein to receive corn kernels, and means for securing said receptacles together.

1,586,336. SOLUTION MIXER. NORWOOD R. SOLLY, Audubon, N. J., assignor of one-half to Charles B. Solly, Philadelphia, Pa. Filed Dec. 5, 1924. Serial No. 754,096. 4 Claims. (Cl. 299—83.)



1. A solution mixer including a casing provided with an overhead liquid holding chamber; and a perforated container open at its upper end rotatably mounted in the casing below the chamber, there being oblique discharge openings through the bottom of said chamber into said casing to discharge streams of liquid at an angle into said container.

1,586,337. CLEANING DEVICE. FREDERICK E. STOCKWELL, Sharon Hill, Pa. Filed Sept. 28, 1925. Serial No. 59,225. 4 Claims. (Cl. 137—70.)

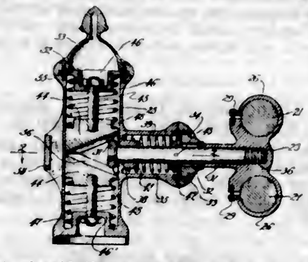
1. A cleansing device of the character stated, for the interior of bowls and the like, comprising an elongated resilient body portion having a suitable variformed surface to conform to the inner surface of a bowl, an upper hollow projection, a rigid handle member secured to said projection and a peripheral bead surrounding said body and extending upwardly therefrom.

1,586,338. ADVERTISING DEVICE. JOHAN NICOLAI STÖRE, Christiania, Norway. Filed Oct. 21, 1924. Serial No. 744,868. 2 Claims. (Cl. 40—139.)

1. In an advertising device, the combination of a movable body exhibiting a portion of a subject apparently to be treated and another portion which has apparently been treated, a second movable body bearing a representation of an article to be advertised, and means for moving the second-mentioned body relatively to that portion of the first-mentioned body that is apparently to be treated.

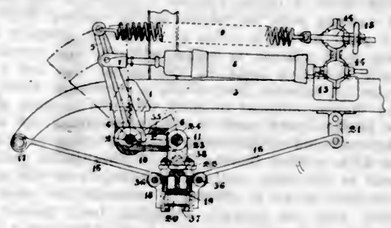
1,586,339. AUTOMOBILE BUMPER. JAMES W. SUPORTER, Chicago, Ill., assignor to Volator Co. Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 20, 1924. Serial No. 700,484. 9 Claims. (Cl. 293—55.)

1. An automobile bumper, comprising transverse bumper bars, a thrust member to which said bars are secured, a cylinder supported from a forward part of the automobile, and means in said cylinder yieldingly resisting rearward



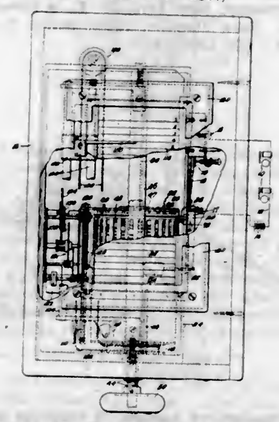
movement of said thrust member and arranged at substantially rigid angles to the direction of movement of said member.

1,586,340. PNEUMATIC ELASTIC SUSPENSION FOR VEHICLES. GIUSEPPE TARAGLIO, Rome, Italy. Filed June 26, 1924. Serial No. 722,584. 5 Claims. (Cl. 267—20.)



1. A flexible suspension system for vehicles, comprising a bell crank lever, a pneumatic resistance device attached to the one arm of said lever, means for the attachment of the other arm to the axle of the vehicle, an attachment capable of oscillation about an axis at right angles to the said axle, and a pair of rods, each pivotally connected at one end to the vehicle frame and at the opposite end to the said attachment.

1,586,341. ELECTRIC SIGNAL APPARATUS. FRANK S TUCKER, Boston, Mass., assignor to Edwin P. Severance, Winthrop, Mass. Filed May 25, 1921. Serial No. 472,345. 1 Claim. (Cl. 177—380.)



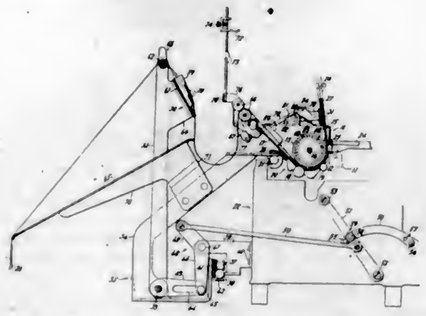
In an electric signalling apparatus, a movable cylinder, a movable circuit closing member, said cylinder provided with a series of rows of notches adapted upon downward

movement of the cylinder to actuate the circuit closing member in accordance with a particular code signal, and means for stopping the upward movement of the cylinder when the circuit closing member engages the lowermost notch in the row corresponding to the code signal to be given.

1,586,342. CLOCKWORK-OPERATED MECHANICAL FUSE FOR ARTILLERY PROJECTILES. ANDRÉ VARAUD, Geneva, Switzerland. Original application filed May 13, 1924, Serial No. 712,960, and in Switzerland Aug. 2, 1923. Divided and this application filed June 26, 1925. Serial No. 39,699. 7 Claims. (Cl. 102—36.)

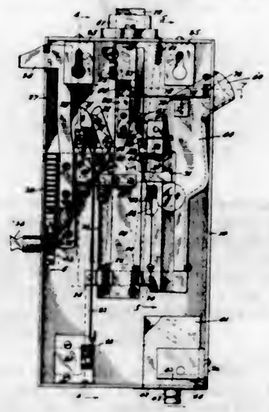
7. In a clockwork operated mechanical fuse, a drive shaft, a ratchet disk secured to the drive shaft and having a series of peripheral laterally extending teeth, a winding shaft, a pinion thereon, a pinion on the drive shaft meshing with the pinion on the winding shaft, a crown pawl having a series of peripheral laterally extending teeth adatped to engage with the said series of laterally extending teeth on the ratchet disk and also a series of internal gear teeth, a clockwork shaft, a pinion thereon adapted to mesh with the internal gear teeth of the crown pawl, a ring surrounding the said ratchet disk and within which the said crown pawl lies so as to be guided thereby, and a plurality of springs secured to the said ring and extending over the said crown pawl so as to yieldingly maintain the same in position with the laterally extending teeth thereof in mesh with the laterally extending teeth of the rachet disk whereby the laterally extending teeth of the ratchet disk slide over the laterally extending teeth of the crown pawl when the drive shaft is turned in one direction during the winding and the setting of the fuse and when in the operation of the clockwork the said drive shaft turns in the opposite direction the said ratchet disk drives the crown pawl and the crown pawl drives the clockwork shaft through the said pinion thereon meshing with the internal gear teeth of the crown pawl.

1,586,343. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 30, 1923. Serial No. 648,705. 49 Claims. (Cl. 197—126.)



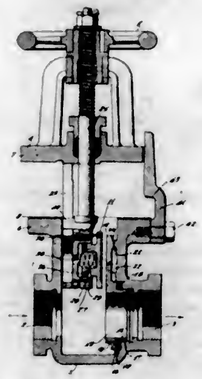
1. In a typewriting machine of the class described, a platen around which web-plies, and interleaved carbon-sheets may be fed, a movable carbon-carrier to which the rear ends of the carbon-sheets are attached, means operating the carbon-carrier to produce slack in the web-plies and interleaved carbon-sheets between the carbon-carrier and the platen to facilitate line-spacing, and means for holding said carrier locked when in position to permit shifting the web-plies relatively to the carbons.

1,586,344. AUTOMATIC CHECKING MACHINE FOR GARMENTS AND OTHER ARTICLES. NATHANIEL T. WILEY, Somerville, Mass. Filed Oct. 10, 1922. Serial No. 593,581. 8 Claims. (Cl. 45—13.)



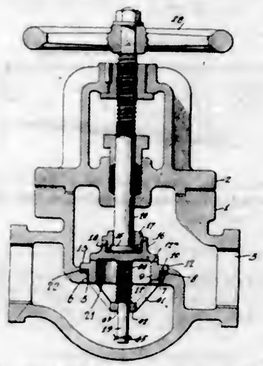
1. In combination, a pair of article retaining members, separate slides connected to said members and having separate ratchet sections, independent retainers for engaging with said ratchet sections, key-actuated mechanism for withdrawing one of said retainers to release one slide, and means carried by said slide for releasing the other retainer.

1,586,345. LOOSE-SEAT GATE VALVE. WYLIE G. WILSON, Jersey City, N. J., assignor to Loose Seat Valve Company, a Corporation of Delaware. Filed May 2, 1922. Serial No. 557,868. 7 Claims. (Cl. 251—55.)



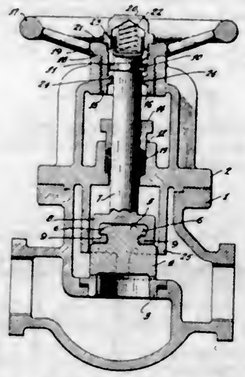
1. In a valve of the class described, a casing having a port opening and an opening at its top, a loose valve seat suitably mounted to cooperate with said port, said seat having a sealing face with an extension of such face in a common plane therewith between the port and top opening, a valve sealing element adapted to slide over said valve face and extension and means to operate the same, with means to cause said sealing element to bear on the face of said seat and its extension with an elastic pressure, and means to assemble and disassemble said valve elements comprising means to limit the movement of the sealing element under conditions of assembling or disassembling the valve to a movement respectively toward or away from the face of the valve seat or its extension.

1,586,346. VALVE. WYLIE G. WILSON, Jersey City, N. J., assignor to Loose Seat Valve Company, a Corporation of Delaware. Filed Nov. 4, 1922. Serial No. 598,975. 6 Claims. (Cl. 251—167.)



5. A valve comprising a valve casing divided into a plurality of parts, one of said parts having a port adapted to cooperate with a removable valve seat, a removable valve seat adapted to cooperate with said port, said valve seat being provided with radial dependent arms supporting an axial base perforated with an axial aperture, a valve stem carried by another of said parts of the valve casing, said stem carrying a valve element adapted to cooperate with said valve seat and an axial shaft adapted to reciprocate within the axial aperture of said axial base, a spring interposed between said valve element and said axial base of the removable valve seat, said spring so constituted as to bear upon the said axial base at all times in both the open and closed position of the valve.

1,586,347. VALVE. WYLIE G. WILSON, Jersey City, N. J., assignor to Loose Seat Valve Company, a Corporation of Delaware. Filed Jan. 4, 1923. Serial No. 610,580. 3 Claims. (Cl. 251—45.)

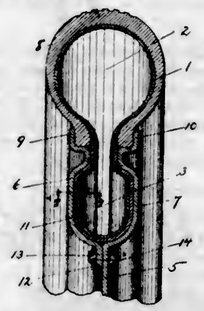


3. In a valve, a valve stem divided into two sections, one of which is cylindrical in form and externally screw threaded to mesh with a corresponding screw threaded aperture in the valve casing, with means external of the casing to rotate the same, and means to limit such rotation and the thrust thereof by a positive engagement between said section and said casing, a cap for the cylindrical section and an elastic element mounted therein, and a detent within said cylindrical section, the other section of said stem provided at one end with a shoulder adapted to cooperate with said detent within the cylindrical section and carrying at the other end a valve sealing element adapted to cooperate with a suitable valve seat, said sections of said stem and the elastic element being mounted to operate coaxially, with said elastic element interposed between said sections, the relation of the elements being such that when the cylindrical section of the stem is rotated in one direction the sealing element will be lifted from its seat through engagement of said detent within said cylindrical section with said shoulder and when rotated in the reverse direction the sealing element will, through the medium of said elastic element, be seated and pressed to its seat by the compression of said elastic element within the limitations of the thrust of said cylindrical section as prescribed by the positive engagement between said cylindrical section and said casing.

1,586,348. SECTIONAL INSULATOR. HARRY W. ALLEN, Cleveland, Ohio. Filed Mar. 30, 1921. Serial No. 456,847. 10 Claims. (Cl. 173—311.)

1. An insulating bushing of the class described, comprising two symmetrical, semicylindrical sections; each section being complementary in forming a cylindrical bore wherein an inserted conductor is adapted to key the insulator against removal, substantially as set forth.

1,586,349. TIRE WHEEL. JULIUS BLASCHKE, Brooklyn, N. Y. Filed Aug. 27, 1925. Serial No. 52,717. 1 Claim. (Cl. 301—63.)

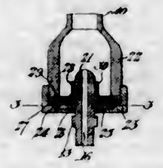


In a disk wheel, a single disk, said disk being curved laterally inwardly adjacent its perimeter, thence extending parallel to the body of the disk, thence curved inwardly and outwardly in close proximity to the perimeter defining a rim flange, a separable rim section secured to the disk at the inner terminus of said curved portions of said disk, said separable rim section being curved complementally in cross section to said disk curved portions forming with the curved portions of the disk an annular compartment inwardly from the disk perimeter having a constricted portion in close proximity to the perimeter.

1,586,350. GREASE-GUN-COUPLING DEVICE. WILLIAM W. BRAMLETTE, Bell, Calif. Filed Dec. 19, 1919. Serial No. 346,396. 2 Claims. (Cl. 285—173.)

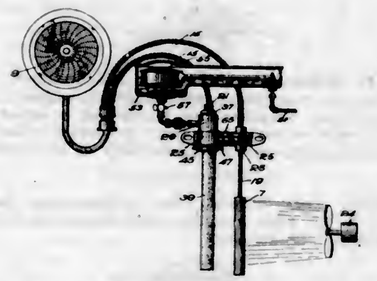
1. The combination with a grease cup having a shouldered portion, a flexible hose, and a swivel connection between said hose and grease cup consisting of a casing

on the end of said hose provided with an opening arranged to receive said cup, floating members mounted in said casing arranged to engage the shouldered portion of the grease cup, a spring fitting over said members, a



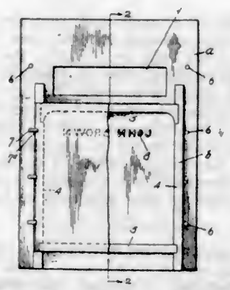
wedge arranged to enter between said members to spread said members apart, a retaining ring for said members, and a packing ring secured in said casing over said members.

1,586,351. FITTING FOR THERMOMETERS. BENJAMIN H. BRISTOL, ARTHUR G. BEAL, and MALCOLM B. HALL, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1924. Serial No. 699,601. 9 Claims. (Cl. 73—24.)



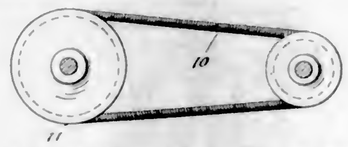
1. In a wet bulb thermometer a thermometer having a bulb, a supporting base having an opening to pass the thermometer bulb, means at one end of the opening to clamp a portion of the thermometer to secure the bulb to the fitting, a porous cup to enclose the bulb and means at the other end of the opening for independently clamping the porous cup about the bulb.

1,586,352. MEANS FOR MOLDING MONUMENTS AND THE LIKE FROM PLASTIC MATERIAL. JOSEPH EDWIN COCHRAN, Chicago, Ill., assignor of one-half to Ellis T. Crawford, Charleston, W. Va. Filed Feb. 26, 1925. Serial No. 11,785. 1 Claim. (Cl. 25—123.)



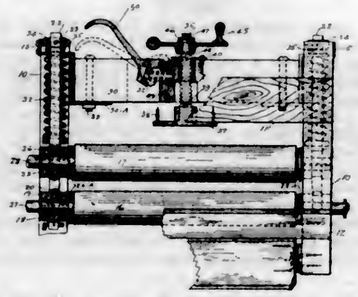
In a mold for monuments and the like, a flat base having an opening near one end for receiving an ornamental mold part, and a frame adapted to rest upon the base and constituting the sides and end of the mold, said frame being adjustable on the base and being sufficiently shorter than the base to include said opening within its boundaries, or to exclude same, as desired, according to the position of the mold.

1,586,353. SPRING DRIVING BELT. CHARLES E. COLEGROVE, East Cleveland, Ohio, assignor to White Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1921. Serial No. 493,838. 3 Claims. (Cl. 74—66.)



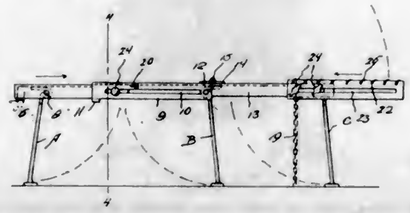
1. A driving belt consisting of a helical wire spring, the wire or individual convolutions of the belt having a nonmetallic covering.

1,586,354. CLOTHES WRINGER. JOHN MARTIN DEAGLE, Cataract, township of Caledon, Ontario, Canada. Filed Aug. 5, 1924. Serial No. 730,250. 12 Claims. (Cl. 68—32.)



1. In a wringer, a frame mounting a pair of rollers, the lower roller being rotatably and the upper roller being rotatably and slidably mounted in said frame, springs secured between said upper roller and a floating member, a screw rotatably and nonslidably secured to said frame and a hand crank rigidly secured to said screw, and means secured to said floating member for engaging and disengaging said screw.

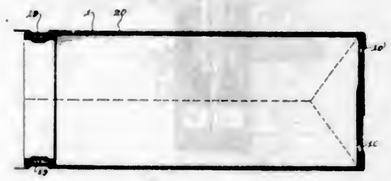
1,586,355. COMBINATION CHAIR BED. PIETRO DEFRANCO, Hurley, Wis. Filed Sept. 8, 1925. Serial No. 55,019. 2 Claims. (Cl. 5—111.)



1. A combination chair-bed including, in combination, a bottom frame, bars slidably mounted on the bottom frame, a main back frame hinged to the bars, an auxiliary back frame slidably mounted on the main back frame,

leg supporting structures, one hinged to the bottom frame, one hinged to the bars, one hinged to the main back frame, each leg supporting structure including a base plate, legs rising at an incline from the base plate and terminating in loops merging into extensions disposed transversely to the legs.

1,586,356. SHOPPING BAG. ABRAM J. DU BOIS, Walden, N. Y., assignor to Interstate Bag Co., Walden, N. Y. Filed Aug. 19, 1924. Serial No. 732,942. 4 Claims. (Cl. 229—54.)

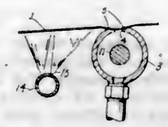


2. A collapsible bag including a body portion, a plurality of flaps integral with said body portion forming a bottom, carrying means extending through the upper edge of said body portion, around the outside of the body and being sealed between said bottom flaps.

1,586,357. MANUFACTURE OF LIGHT HYDROCARBONS. LAZAR EDELEANU, Berlin-Charlottenburg, Germany. Filed Jan. 20, 1925, Serial No. 3,684, and in Germany Dec. 17, 1924. 4 Claims. (Cl. 196—54.)

2. The process for converting mineral oils into light hydrocarbons of lower boiling point which consists in depriving said oil of the constituents soluble in liquefied sulphur dioxide, preparing a double compound of said mineral oils by treating with aluminum chloride, adding gradually the said double compound to the mineral oil to be converted, and causing the said double compound to react on the mineral oil by heating.

1,586,358. FELT CLEANER FOR PAPER-MAKING MACHINES. HARRY E. EURICH, deceased, late of Otsego, Mich., by William A. Mansfield, administrator, Otsego, Mich., assignor to Mac Sim Bar Paper Company, Otsego, Mich. Filed Nov. 25, 1925. Serial No. 71,426. 4 Claims. (Cl. 92—50.)



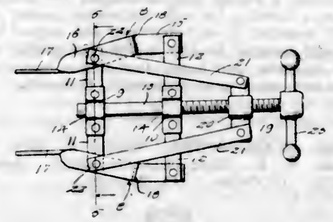
4. The combination with the forming felt of a paper making machine and its supporting and driving means, of a cylindrical suction box over which the return of the felt is carried in sliding contact having a relatively narrow slot in the face thereof, the outer edges of the slot being rounded, said suction box having a suction connection at the bottom thereof.

1,586,359. PINCASE. JOHAN FRITHIOF FRANZÉN, Tranas, Sweden. Filed Mar. 27, 1925. Serial No. 18,792. 5 Claims. (Cl. 211—44.)

1. A pin case of the type wherein pins are fed out mechanically, comprising a base sleeve, a case member vertically slidable therein, an upright secured in said sleeve and projecting into said case, means on said upright for grasping a pin in said case directly under its

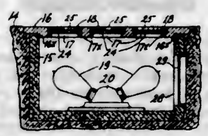
head and advancing the same in an upright hanging position through an aperture in the top of said case, when said case is depressed in said sleeve.

1,586,360. VALVE-LIFTING MACHINE. JOHN R. FUNK and WESLEY LYNCH, Duncan, Okla. Filed Mar. 11, 1924. Serial No. 698,388. 3 Claims. (Cl. 29—86.3.)



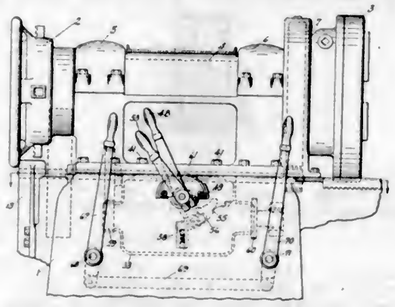
1. A valve tool of the character set forth, comprising yokes, a pair of arms having inner portions, inwardly inclined intermediate portions and parallel outer portions, the latter being slotted to provide forked jaws, links pivoted to the inner portions of the arms and to one of the yokes, links pivoted to the intermediate portions of the arms and to other yokes, a shaft provided with a threaded portion, means rotatably connecting the shaft to the yokes and holding the latter against longitudinal movement on the former, a traveling yoke mounted on the threaded portion of the shaft, and bars pivoted to the traveling yoke and to the intermediate portions of the arms.

1,586,361. ILLUMINATED CURBSTONE HOUSE NUMBER. JOSEPH M. GAFFNEY, St. Paul, Minn. Filed Dec. 20, 1923, Serial No. 681,780. Renewed Jan. 25, 1926. 1 Claim. (Cl. 40—133.)



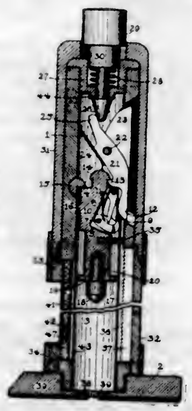
A house number indicating device comprising a housing, a cover therefor, said housing adapted to be permanently set adjacent the curb of a street in proximity to a house, illuminable numbers in said cover, electric bulbs within the housing and in an electric circuit and a switch in said circuit, said cover having a number of apertures each with a perimetral ledge, number indicating means in each aperture comprising a transparent plate, a non-transparent plate on top of the transparent plate and an opening in said non-transparent plate in the form of a number, and colored transparent material in said opening of each non-transparent plate.

1,586,362. GEAR BOX FOR THREADING MACHINES AND THE LIKE. LESLIE S. HALL, Erie, Pa., assignor to Williams Tool Corporation, Erie, Pa. Filed June 20, 1925. Serial No. 38,597. 3 Claims. (Cl. 74—57.)



1. In combination, a machine provided with elements to be driven, a change gear mechanism for driving said elements, a housing for said mechanism guided and removably mounted in said machine, and means for centering said housing in said machine in proper relation to said elements, said means including a frame on said housing and taper pins engageable therewith.

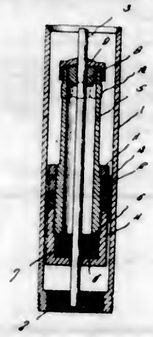
1,586,363. SCLEROSCOPE. TRYGVE A. HALL, Poughkeepsie, N. Y. Filed Sept. 18, 1923. Serial No. 663,421. 12 Claims. (Cl. 265—13.)



1. A scleroscope comprising a tube having a base and a pair of longitudinal slots, a rack in one of said slots and a graduated indicator beside the second slot, a striker movable in said tube having a retaining means comprising a head upon its upper portion and a contact hammer upon its lower portion, intermediately, a double pawl on said striker provided with a spring and adapted to engage said rack, a hook on said striker contacting with said pawl spring and adapted to engage said pawl, and means on said tube to engage and release said striker head.

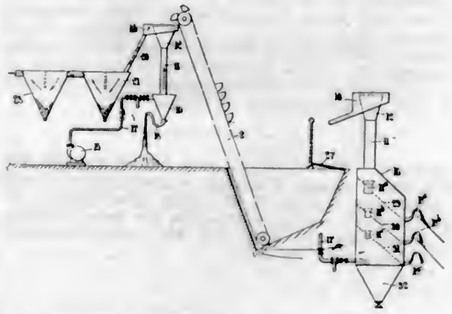
1,586,364. STUFFING BOX. RALPH L. HENDRICKSON, Midwest, Wyo. Filed Sept. 27, 1924. Serial No. 740,313. 2 Claims. (Cl. 286—16.)

1. A stuffing box of the class described comprising an open ended tubular member provided with screw threads at its opposite ends, an internally screw threaded cup threaded upon the lower end of said member, compressible packing material located between the bottom of the cup and the adjacent end of said member, a tapered clamping collar fitted into the upper end of said tubular member, a retaining cap carried by said last named



end and cooperable with said collar to maintain the latter in place, packing-cups surrounding the intermediate portion of the tubular member just above said first named cup, and a clamping ring threaded upon the intermediate portion of the member for pressing said packing-cups between the ring and first named cup.

1,586,365. PROCESS OF TREATING MINERALS. ERIC BERKELEY HIGGINS, London, England, assignor to United Water Softeners Limited, London, England, a British Company. Filed June 20, 1925. Serial No. 38,525, and in Great Britain Sept. 10, 1924. 2 Claims. (Cl. 209—2.)

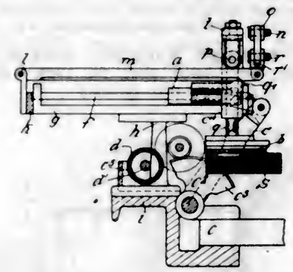


1. A process for separating out the clay constituents of crude glauconite from the mineral proper, consisting in treating the crude glauconite with a peptising agent and then subjecting it to the selective action of a column of liquid rising at uniform speed so that the particles or grains of the mineral proper whose natural rate of fall is greater than the upward speed of the liquid column descend and are thereby freed from the clay constituents whose natural rate of fall is less than the upward speed of the liquid column which are consequently carried up by the latter.

1,586,366. MACHINE FOR GUMMING ENVELOPES, PAPER BAGS, AND THE LIKE. THEODOR HUGO, Wilmersdorf, near Berlin, Germany. Filed Feb. 23, 1924, Serial No. 694,723, and in Germany Nov. 20, 1922. 4 Claims. (Cl. 93—68.)

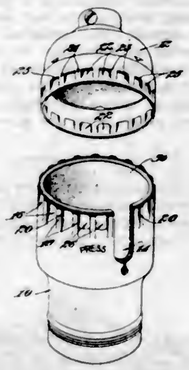
2. In a gumming attachment for envelopes and the like, the combination with a liquid gum holding receptacle having a rotatable feed cylinder therein, a frame

provided with guides, a slide having opposite side portions thereof engaging the guides and reciprocable horizontally along the said guides, a rock shaft with arms and crank devices connected to and operating the said slide, a gum-transmitting stamping device held by and movable horizontally with the slide, means for effect-



ing a vertical reciprocation of the said stamping device while the latter is moving with the slide, a guide rail hinged at one end and engaging a portion of the means for effecting a vertical reciprocation of the stamping device, and mechanism for operating the latter means and raising and lowering the said guide rail.

1,586,367. ELECTRIC-LAMP SOCKET. FRANK E. JOHNSON, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1925. Serial No. 48,075. 4 Claims. (Cl. 173—362.)



1. An electric socket cap having a plain annular imperforate flange provided with a series of closely associated equally spaced inwardly extending locking projections having shoulder portions parallel with the longitudinal axis of the cap.

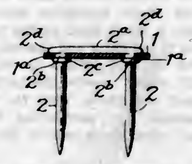
1,586,368. PROCESS OF MAKING ACID-PROOF ALLOYS AND PRODUCT THEREOF. JOHN P. KEGG, Pittsburgh, Pa. Filed Feb. 28, 1922. Serial No. 539,915. 11 Claims. (Cl. 75—1.)

1. The process of making alloys that comprises melting copper and lead together, the lead being present in such quantity as tends to segregate from the other constituents, and adding an alkali metal to the melt, thereby holding the lead in suspension therein.

1,586,369. FOUNTAIN-PEN-CAP LOCK. NATHAN KOPLOW, Sioux Falls, S. Dak. Filed July 10, 1925. Serial No. 42,658. 8 Claims. (Cl. 120—42.)

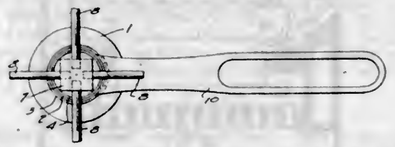
1. In combination with a fountain pen having a base and a removable cap, a lever pivoted in the base, a keeper on the cap composed of an opening formed therein, a projection on the lever formed to engage in the opening, and snap connections between the lever sides and the base to latch the lever in position.

1,586,370. TUB FASTENER. WILLIAM F. LANGE, Elgin, Ill., assignor to Elgin Butter Tub Co., Elgin, Ill., a Corporation of Illinois. Filed Oct. 30, 1925. Serial No. 65,896. 3 Claims. (Cl. 217—70.)



3. A box fastener comprising a flexible strap metal body provided with a pair of adjacent perforations near each end, and a staple member adjacent each end of the strap member having its legs engaged with the adjacent perforations in the body and its top portion engaging the top of the strap; each leg of each staple having an enlargement at its end for engagement with the perforations in the strap, and the top member of each staple having shoulders projecting beyond the outer sides of the legs to engage the top of the strap member.

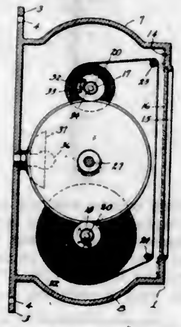
1,586,371. MAGAZINE INK-DISTRIBUTING DEVICE FOR PRINTING PRESSES. ALFRED GRAVES LAPE, Hammondsport, N. Y. Filed Dec. 1, 1923. Serial No. 677,933. 6 Claims. (Cl. 91—62.5.)



1. An ink distributing device for printing presses comprising an ink magazine, a feeding plate forming a closure for one end of said magazine and having minute feeding and distributing passages leading from the ink magazine chamber therethrough to the surface

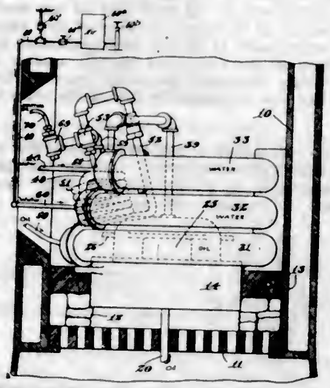
of the closing plate, an adjustable closing and feeding member secured within the upper end of the magazine for both forming a closure therefor and applying pressure to the ink contained in the magazine to force it out through the aforesaid passages, an operating member for the adjustable closing member and a manipulating and lifting handle secured to the exterior of said magazine, said operating and manipulating members being arranged and adapted to be engaged simultaneously by the hand.

1,586,372. ROAD MAP AND WINDING MECHANISM THEREFOR. JOHN E. MANN, Snohomish, Wash. Filed Feb. 16, 1925. Serial No. 9,609. 2 Claims. (Cl. 40—95.)



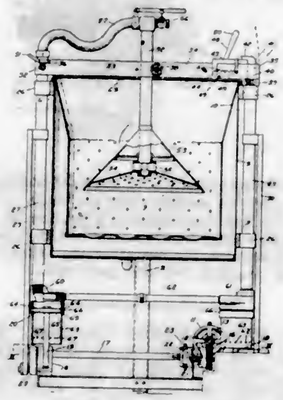
1. A device of the character described, comprising a housing provided with a front opening, a pair of rollers mounted in the housing on which a strip may be wound and advanced from one to the other closely beneath said opening; said rollers having pawl receiving notches therein, a winding shaft rotatably mounted in a side wall of the housing, a wheel fixed on the inner end of said shaft, a crank fixed to the outer end thereof, winding wheels rotatably mounted on said rollers in frictional driving contact with said wheel, pawls pivotally fixed to said winding wheels and engageable with the rollers to effect a winding connection, but permitting free rotation of the wheel on the roller from which the strip is being unwound.

1,586,373. OIL BURNER. GEORGE B. MARKOE, Brighton, Mass. Filed Sept. 11, 1924. Serial No. 737,079. 8 Claims. (Cl. 158—56.)



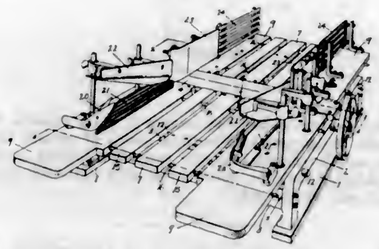
8. Oil burning apparatus comprising the combination of a burner with means to supply oil to two portions of the apparatus, at one of which portions is a discharge opening for combustion of the oil supplied thereto, the whole being arranged for the flame thereof to heat the other said portion to which oil is supplied, and thus to vaporize and feed to the said flame by its own vapor pressure the oil so supplied to said other portion; a conduit for compressed air to the same said flame, having a part heated by said flame; and means to supply water instead of air to said conduit, whereby steam is supplied to the flame.

1,586,374. WASHING MACHINE. JOHN P. MARTIN, Pittsburgh, Pa. Filed Aug. 16, 1924. Serial No. 732,450. 9 Claims. (Cl. 68—19.)



1. A washing machine comprising a tub, a vertically reciprocable washing cone in the tub, means for driving the washing element, and pumping means outside the tub communicating with the cone for forcing air into the cone on the downward movement of the cone and for removing air from the cone on the upward movement thereof, said pumping means including means for restoring atmospheric pressure in the cone at each limit of its travel.

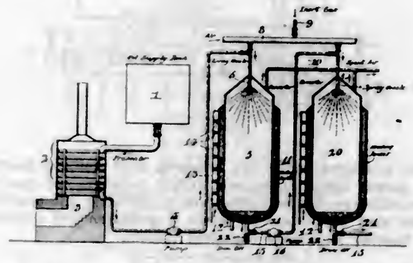
1,586,375. SEALING MACHINE. HOWARD H. METCALF, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Filed Oct. 9, 1924. Serial No. 742,620. 2 Claims. (Cl. 93—2.)



2. In a sealing machine, the combination with a heating means, of a way operatively associated with said heating means and comprising a central way member and adjustable side way members, said side way members having transverse bores, supporting rods removably arranged in said bores, and intermediate way members disposed between said adjustable way members and said

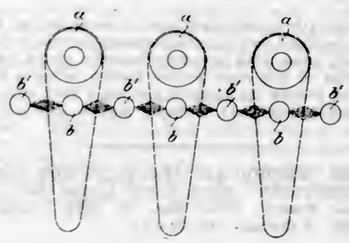
central way member and having transverse bores therein to receive said rods whereby said intermediate way members are adjustably and removably supported.

1,586,376. TREATMENT OF OILS AND HYDROCARBONS. JOHN STROTHER MILLER, Jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Sept. 23, 1920. Serial No. 412,270. 2 Claims. (Cl. 196—87.)



1. A process for producing blown oil asphalts, of any desired consistency, by chemical condensation substantially without distillation; which process comprises heating oil and spraying the heated oil into a chamber and also supplying a gaseous oxidizing condensation agent thereto, regulating the temperature and the proportions of oil and oxygen to prevent ignition or substantial vaporization of the oil in said chamber.

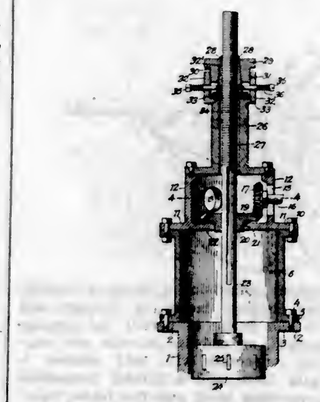
1,586,377. METHOD OF DYEING HANKS. PAUL MISSY, Krefeld, Germany. Filed Sept. 2, 1925. Serial No. 54,088. 5 Claims. (Cl. 8—5.)



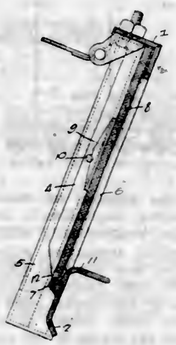
1. Method of dyeing hanks of yarn comprising suspension of the hanks from rotating rollers and spraying hanging parts of the hanks by opposed jets substantially as set forth.

1,586,378. CYLINDER-BORING MACHINE. WILLIAM N. MOORE, Washington, D. C. Filed Oct. 27, 1924. Serial No. 746,201. 2 Claims. (Cl. 77—2.)

2. A cylinder boring machine, consisting of a supporting member adapted to be centered and secured upon the cylinder, a lower casing secured to said supporting member, a gear casing secured to said lower casing, a column rising from said gear casing and having at its upper end an enlarged portion, interior threads on the inner end of said large portion, a jamb nut having threads to engage the threads on the inner edge of the enlarged portion and having a conical opening, a pair of wedge-shaped clamping jaws engaged by said conical opening and formed with interior threads and with an exterior annular recess, a ring engaging said annular recess, a pair of spring-pressed rods connected to said jaws for moving them outwardly upon release of the jamb nut, a threaded stem engaged by said jaws, a cutting implement carried by said stem, a bevel pinion on said stem, and a driving shaft carrying a bevel pinion meshing with the bevel pinion on the stem.



1,586,379. SASH CONSTRUCTION. CLARKE P. POND, Philadelphia, Pa. Filed May 16, 1923. Serial No. 639,334. 5 Claims. (Cl. 189—69.)

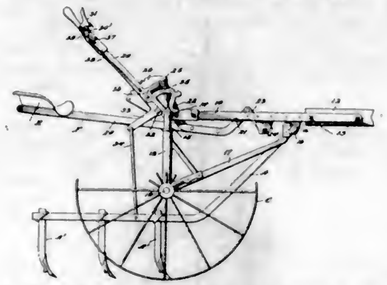


1. An industrial window sash construction for use with a conventional frame and comprising a sash hung at its upper edge from the frame and including a top member, a bottom member and side members, and a sheet of glass mounted in the sash, said top member and side members having flanges extending back of the adjacent edges of the glass, said bottom member having a flange projecting outwardly beyond said flanges and having its outer face substantially flush with the surface of the glass.

1,586,380. PRIMER COMPOSITION. HANS RATHSBURG, Furth, Germany. Original application filed Dec. 20, 1923, Serial No. 681,876. Divided and this application filed Mar. 18, 1925, Serial No. 16,562, and in Belgium Oct. 23, 1923. 2 Claims. (Cl. 52—2.)

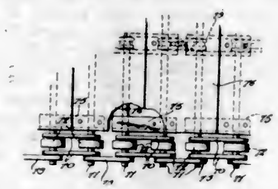
1. A primer composition comprising guanylnitrosaminoguanylitetracene.

1,586,381. CULTIVATOR. CHARLES T. RAY, Louisville, Ky., assignor to B. F. Avery & Sons, Louisville, Ky., a Corporation of Kentucky. Filed Oct. 30, 1922. Serial No. 597,871. 19 Claims. (Cl. 97—147.)



1. A tillage implement comprising a frame, a member to support a tillage element, means to connect said member pivotally to the frame to permit the member to be raised and lowered, an endwise movable seat supporting lever having connection with said member, a seat mounted on said lever, and a pivotal connection between the seat supporting lever and the frame, operative to permit said lever to move bodily in a forward and downward direction simultaneously with upward movement of the tillage element supporting member and to move bodily in a rearward and upward direction simultaneously with downward movement of said member.

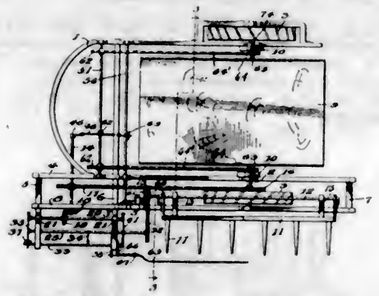
1,586,382. CONVEYER FOR BAKERS' OVENS. CLARENCE D. REED, Portland, Oreg. Original application filed Dec. 9, 1921, Serial No. 521,170. Divided and this application filed Mar. 9, 1925. Serial No. 14,200. 1 Claim. (Cl. 198—195.)



Apparatus for the purpose set forth comprising an oven, tracks extending longitudinally through the oven, a conveyer arranged longitudinally within the oven and consisting of parallel transverse axles, alined blocks carried by the axles near the ends thereof and connecting them in pairs, links connecting the axles in pairs at the outer sides of the blocks, other links connecting successive pairs of axles, rollers on all the axles arranged to run upon the tracks in the oven, and flat pans secured to and extending between corresponding blocks, the rear edge of each pan being in advance of the rear ends of the blocks to which it is secured and the forward portion of each pan overlapping and adapted to rest freely upon the rear portions of the blocks in advance of the blocks to which it is secured, and the front and rear edges of all the pans being in the same plane with the surfaces of the pans flush in both horizontal runs of the chains whereby the pans in the upper run may support a continuous sheet of material.

1,586,383. GRAIN SHOCKER. ROMULUS R. RICHMOND, deceased, late of Omaha, Nebr., by Mary A. Shelton, administratrix, Omaha, Nebr., assignor of one-half to Herbert D. Cook and Alexander Burrell, both of Omaha, Nebr. Filed June 25, 1923. Serial No. 647,672. 8 Claims. (Cl. 56—421.)

1. In a grain shocker, comprising a U-shaped frame, said frame being mounted on ground wheels, a bundle carrier mounted on said frame, a forked member pivoted at one side of said bundle carrier on said U-shaped frame, means for swinging said forked member for discharging the bundles received thereon into the bundle carrier, means for holding said forked member against swinging movement, a control lever pivotally carried by

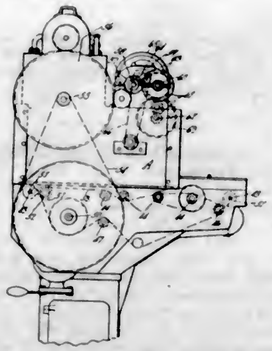


said U-shaped frame for releasing said holding means to permit operation of said forked member, and means controlled by said swinging fork to discharge the bundles from said bundle carrier when a predetermined number of bundles have been deposited therein.

1,586,384. NECKTIE HOLDER. RICHARD T. ROSS, Brooklyn, N. Y. Filed July 27, 1925. Serial No. 46,328. 5 Claims. (Cl. 24—57.)

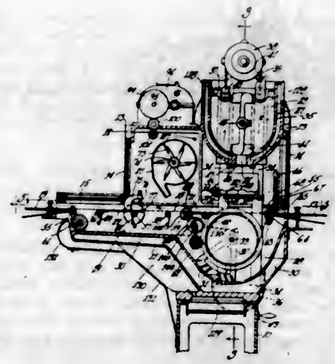
1. A necktie holder comprising a frame having a pair of arm portions and in intermediately located stem portion, said arms being bowed downwardly at the point of connection of said stem portion thereto so as to form a V-shaped portion for properly forming a knot when a tie is arranged about said V-shaped portion and said stem portion.

1,586,385. METHOD AND APPARATUS FOR COATING CONFECTIONS. EMILE LOUIS ALFRED SAVY, Courbevoie, France. Filed Mar. 20, 1925. Serial No. 17,059. 9 Claims. (Cl. 91—3.)



1. The method of treating the coating material in a confection coating machine, which consists in first conditioning the coating, in applying it directly after conditioning to the articles to be coated, in reducing the temperature of the excess coating material not used in coating the articles; and in collecting such excess coating and returning it for reconditioning and subsequent application.

1,586,386. CONFECTION-COATING APPARATUS. EMILE LOUIS ALFRED SAVY, Courbevoie, France. Filed Mar. 20, 1925. Serial No. 17,060. 3 Claims. (Cl. 91—3.)



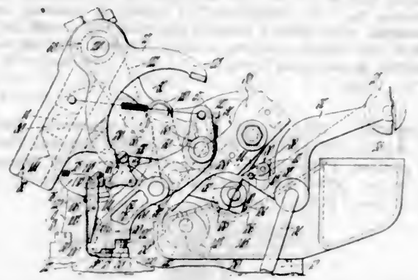
1. In a confection coating machine, a pervious conveyer to carry the articles to be coated, a main supply tank located above said conveyer and adapted to receive the main body of coating material and in which such body remains long enough to be conditioned for the coating operation, heating means for said tank, stirring means in said tank effective on the relatively large body of coating therein to perform in conjunction with said coating means the major conditioning operation on said coating, a shower pan into which the conditioned coating flows directly from said tank, and means for collecting the coating passing through said conveyer and returning it to said tank.

1,586,387. REVOLVING-LINK CROSS CHAIN. JOHN SENFT, York, Pa., assignor to United States Chain and Forging Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,627. 4 Claims. (Cl. 152—14.)

4. In an anti-skidding device, a tread member comprising a series of inter-connected chain links, and a reinforcing ring enclosing the strands at the junction of a pair of adjacent links.

1,586,388. LABEL-APPLYING MECHANISM. ELMER L. SMITH, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 4, 1921. Serial No. 512,900. 21 Claims. (Cl. 216—29.)

1. In a mechanism of the character described, the combination with a rotatable adhesive applying roll, of a flat label affixing plate for supporting a label and carrying it into engagement with the roll to receive an adhesive coating, an oscillatory carrier upon which the plate is mounted with provision for movement relatively thereto, and means for moving the plate relatively to the

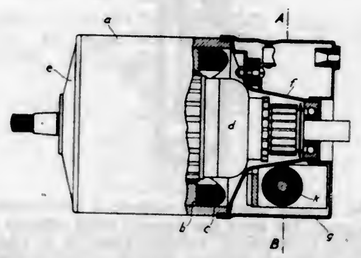


carrier during a portion of the oscillatory movement of the latter to facilitate the application of adhesive to the label.

1,586,389. VEHICLE SPRING. HARVEY E. SPANGLER, Indianapolis, Ind. Filed June 21, 1923. Serial No. 646,837. 1 Claim. (Cl. 267—46.)

The spring device herein described consisting of the upper and lower oppositely disposed connected springs, a pair of hangers having each an upper loop for connection with the vehicle and a series of openings for adjustable connection with the ends of the upper spring member, a pair of links having a bifurcated upper end to straddle the lower end of said hangers and having an opening to register with one of the series of openings in said hangers, connecting bolts passing through said openings, a slotted opening in the lower end of said links, teeth contiguous with said slots, bolts passing through said slots and the ends of said lower spring members and nuts having teeth to engage the teeth on the links to retain the spring members in proper adjusted relation.

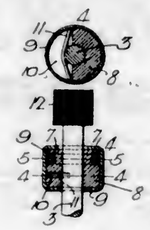
1,586,390. DYNAMO-ELECTRIC MACHINE. HERMANN STEINHART, Stuttgart, Germany, assignor to Robert Boach Aktiengesellschaft, Stuttgart, Germany. Filed Nov. 17, 1925. Serial No. 69,663. 2 Claims. (Cl. 171—209.)



1. A dynamo-electric machine, intended for use especially in connection with the starting and illuminating installation on power-vehicles, and comprising, in combination, a stator-casing and an armature therein, two bearing brackets supporting said armature; a commutator

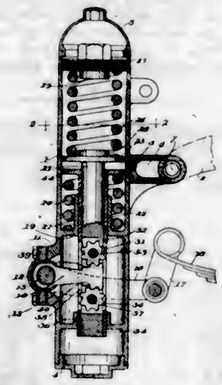
forming part of the said armature; brushes being in contact with the said commutator; that bearing bracket located nearest to said commutator being pressed of sheet-metal and so shaped and arranged as to surround and enclose the said commutator as closely as possible, and provided with window-forming apertures so located as to fit to the position of the brushes, substantially as, and for the purpose, set forth.

1,586,391. HEADBAND. JOHN S. TIMMONS, Philadelphia, Pa., assignor to Penn Head Set Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,757. 8 Claims. (Cl. 179—156.)



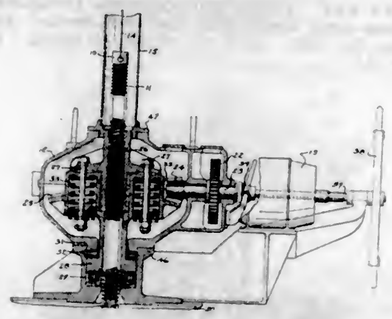
4. The combination with the head band and guide rods of a device for supporting a pair of telephone receivers, of wire clasps respectively connecting said rods with the ends of said head band, each of said wire clasps consisting of a body having a passage for a guide rod; a shell for said body; and a spring wire mounted in said body in position to tangentially engage the guide rod to frictionally resist sliding movement thereof.

1,586,392. SHOCK ABSORBER. WILLIAM H. WHISLER, Houston, Tex. Filed Feb. 16, 1924. Serial No. 693,234. 7 Claims. (Cl. 267—17.)



1. In a shock absorber, a support, a lever pivoted on the support, the lever and support being adapted to be connected to relatively movable parts of a vehicle, a pair of abutments movable relative to the support and to each other, telescoping operating members connected to said movable abutments and adapted to be engaged by the pivoted lever, and resilient means engaging the movable abutments and tending to hold their respective operating members in engagement with the pivoted lever.

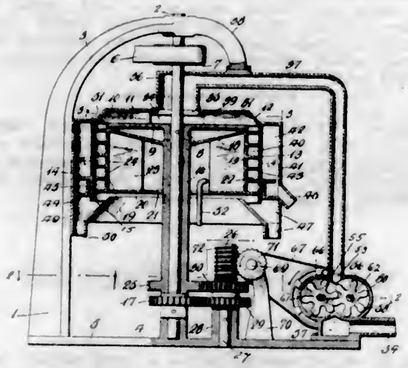
1,586,393. HEAD-GATE HOIST MECHANISM. CARL P. ASTROM, East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1923, Serial No. 618,211. Renewed Mar. 12, 1926. 7 Claims. (Cl. 137—139.)



1. The combination with a threaded gate-actuating bar, of a driving nut threaded on said bar, means for rotating said nut, including longitudinally fixed thrust means for said nut, and yieldable means between said nut and thrust means permitting limited relative longitudinal movement of said nut on obstruction of said bar.

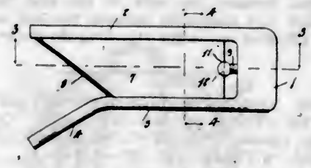
1,586,394. [WITHDRAWN.]

1,586,395. APPARATUS FOR SEPARATING LIQUIDS FROM SOLIDS. HANS C. BEHR, Scarsdale, N. Y. Filed July 24, 1922. Serial No. 577,129. 2 Claims. (Cl. 210—69.)



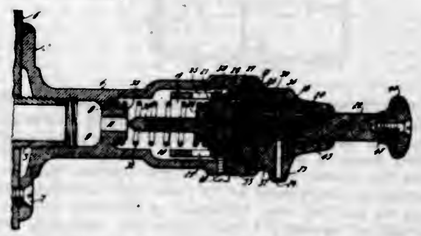
1. In an apparatus of the class described, the combination of centrifugally acting mechanism adapted to continuously separate liquids from solids comprising a rotating foraminous conveyor member and a rotating foraminous mantle member outside of and spaced from said conveyor member; means for rotating said conveyor and mantle members at different speeds; means comprising a rotary pump like member for forcibly feeding the material to the space between said conveyor and mantle members at a predetermined rate; and connections comprising a worm and gear, and a belt and pulleys for driving said feeding means from said separating means.

1,586,396. BROOMCORN KNIFE. HOMER E. BELLOMY, Boise City, Okla. Filed Mar. 28, 1925. Serial No. 19,081. 2 Claims. (Cl. 30—9.)



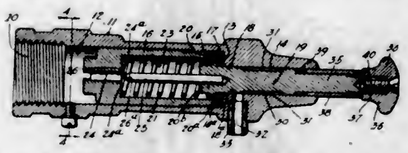
1. A broom corn knife, comprising a U-shaped frame, the side members of the frame having longitudinal grooves, one of the side members of the frame having its onter portion formed divergent, and a knife blade mounted in the grooves in said frame and having its cutting edge inclined oppositely to the divergent portion aforesaid.

1,586,397. LIQUID-SOAP DISPENSER. GABRIEL A. BOBRICK, Los Angeles, Calif.; Mary E. Bobrick special administratrix of said Gabriel A. Bobrick, deceased. Filed Aug. 18, 1919. Serial No. 318,186. 3 Claims. (Cl. 221—102.)



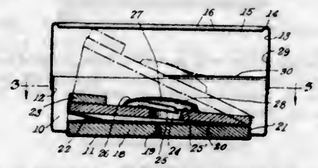
1. In a liquid dispenser, a body provided with a chamber, an inlet port opening into the chamber and a nozzle duct to discharge liquid from said chamber, means operative to discharge liquid through the nozzle duct; the body being formed of separate members, one member extending inside of the other and having an annular groove in its periphery, and a screw in the outer member projecting into the annular groove to serve for venting air from the body and for preventing relative displacement of the members.

1,586,398. LIQUID DISPENSER. GABRIEL A. BOBRICK, Los Angeles, Calif.; Mary E. Bobrick special administratrix of said Gabriel A. Bobrick, deceased. Filed July 20, 1920. Serial No. 397,693. 17 Claims. (Cl. 221—102.)



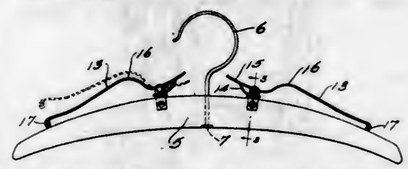
1. In a liquid dispenser, a body having a rear end opening adapted to be connected to a feed pipe or the like, a large bore extending forwardly from the opening, a smaller bore extending to the forward end of the body from the large bore, a member fitting the large bore and insertable in it from its rear end and having an inlet port therethrough and forming at its forward side a displacement chamber extending rearwardly of the forward end of the large bore, a plunger having an enlargement on its rear end and fitting in and extending forwardly through the smaller bore with the enlargement in the displacement chamber, said enlarged end constituting valvular means adapted to close exit from the forward end of the chamber; and valvular means carried by the plunger to close the said inlet port.

1,586,399. SOUND-EMITTING DEVICE. ERNEST BOCCHINO, Passaic, N. J., assignor to Up To Date Manufacturing Co., Inc., Jersey City, N. J. Filed Jan. 24, 1925. Serial No. 4,419. 4 Claims. (Cl. 46—46.)



4. A sound emitting device comprising a casing having a cover, a bellows in the casing, there being an opening in the movable member thereof; a reed vibrated by air from the bellows disposed adjacently over the opening, a convex cover over the reed and opening, said convex cover having two perforations of unlike area; and a flat spring leaf having a part secured to said cover and another part adapted to resist the passage of air from the bellows through the larger of the mentioned openings when the bellows is fully expanded and during the earlier part of its closing movement, all of said elements being enclosed within the casing.

1,586,400. GARMENT HANGER. LILLIAN M. BOLING, Hendersonville, N. C. Filed Apr. 22, 1924. Serial No. 708,167. 1 Claim. (Cl. 118—64.)

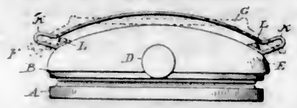


A garment hanger comprising a bar, plates mounted at the opposite sides of the bar, a bolt carried by the plates and bridging the space between them and being spaced above the surface of the bar, a resilient arm fixed to the bolt and lying between the plates, a spring mounted at its end portions upon the plates at points between the bar and the bolt and having its intermediate portion bearing against the under side of the arm at a point beyond one side edge of the plates, the intermediate portion of the arm at a point beyond the opposite side edges of the plates being upwardly bowed.

1,586,401. GARTER GRIP. SAMSON BORGNIS, Philadelphia, Pa. Filed Mar. 10, 1926. Serial No. 93,599. 2 Claims. (Cl. 14—218.)

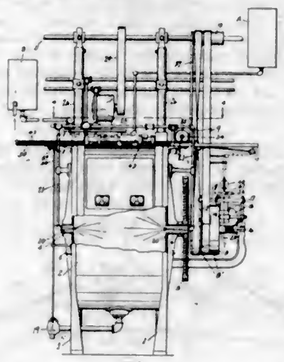
1. A garter grip comprising stud and socket members, said stud member including a wing, a concavo-convex body, and a stud and said socket member including a wing, a hood, an insert mounted in the hood and provided with a concavo-convex body and a slotted socket, and a spring clip housed between the hood and insert having arms registering with the slots in the socket, so as to be disposed across the chamber within said socket.

1,586,402. WAFFLE-IRON ATTACHMENT. GIRARD BOYCE, Washington, D. C., assignor to National Autometer Restaurant Corporation, Washington, D. C., and New York, N. Y. Filed Dec. 21, 1925. Serial No. 76,724. 3 Claims. (Cl. 53—10.)



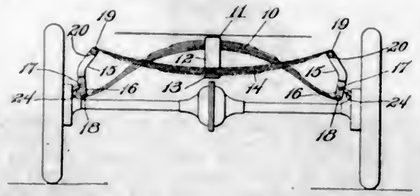
1. In combination with a waffle iron, a spring loop or bale secured to said waffle iron and forming a holder and clamp to retain a plate in position upon the iron to receive the heat therefrom.

1,586,403. WASHING MACHINE. CHARLES L. BRALEY, Chicago, Ill., assignor of one-half to Charles F. Noftzger, Chicago, Ill., and one-half to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 1, 1922. Serial No. 533,202. 7 Claims. (Cl. 68—18.)



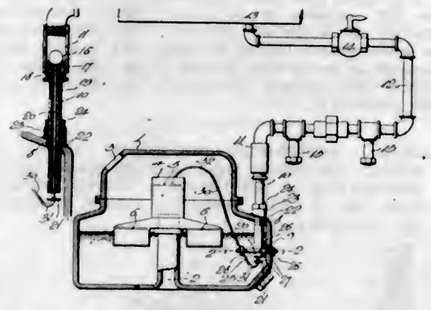
3. In a washing machine, the combination of a tub, a drain valve therefor, a washing cylinder provided with a tubular journal, driving means for said washing cylinder, supply valves connected to deliver to said cylinder through said journal, an actuating slide, driving means for said slide, supply valve tappets actuated by said slide and slidably mounted so that they may be adjusted in relation to each other and to said supply valves, a drain valve tappet adjustably mounted on said actuating slide so that the time of actuation of the drain valve may be controlled, and means for controlling said cylinder driving means adjustably connected to said actuating slide.

1,586,404. VEHICLE SPRING. MICHAEL J. BROWN, Fargo, N. Dak. Filed Sept. 29, 1925. Serial No. 59,364. 5 Claims. (Cl. 267—46.)



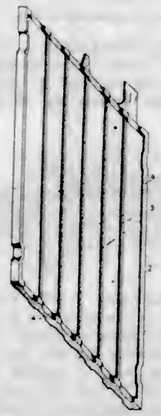
1. A vehicle spring comprising a U-shaped bracket having angular ends upon the arms thereof, a semi-elliptic leaf spring engaged with the bight of the bracket, oppositely disposed semi-elliptic leaf springs engaged with the angular portions of the bracket, a connection between the ends of the last named leaf springs and a connection between the ends of the first named leaf spring and said connection between the last named leaf springs affording means for attaching the device to spring perches.

1,586,405. AUTOMATIC LIQUID-SUPPLY MEANS FOR WATER TANKS OF AIR WASHERS. CHARLES L. BURGE, Lincoln, Ind. Filed June 2, 1924. Serial No. 717,355. 3 Claims. (Cl. 137—104.)



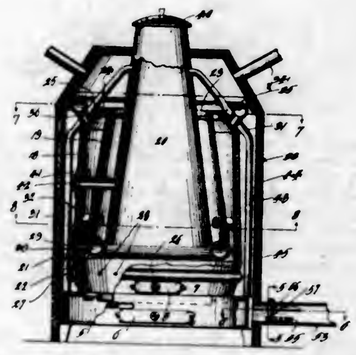
3. A device of the class described comprising a water tank, a float therein, a vertical water supply pipe extending into said tank and having a downwardly closing check valve, a stem within the lower portion of said pipe for raising said valve to open position, said stem having an enlargement at its lower end under said pipe, and an inclined lever fulcrumed in the tank, said lever having an upwardly turned lower end contacting with the lower side of said enlargement and having a downwardly turned upper end contacting with the upper side of the aforesaid float.

1,586,406. PROCESS FOR THE INSULATION OF ACCUMULATOR PLATES OF DIFFERENT POLARITIES. LÉON CAILLARD, Levallois-Perret, France. Filed June 6, 1924. Serial No. 718,346. 5 Claims. (Cl. 136—148.)



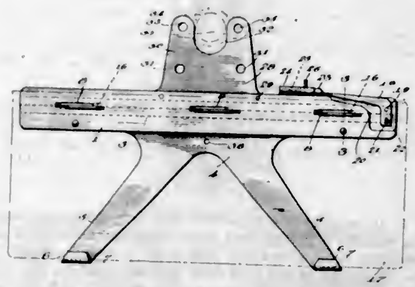
1. The herein described process of forming an insulating envelope on an accumulator plate, consisting in vulcanizing the envelope on the plate and simultaneously forming the envelope with the ribs.

1,586,407. HOT-AIR FURNACE. FRANK H. CARSON, Lansing, Ill. Filed July 30, 1925. Serial No. 47,114. 4 Claims. (Cl. 126—112.)



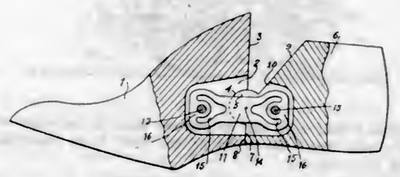
1. In a hot air furnace, a fire pot, an outer drum on the fire pot, an inner drum within and spaced from the outer drum, a vertical magazine within and spaced from the inner drum and projecting above the latter, an annular horizontal perforated tube closing the space between the lower ends of the inner drum and the magazine, means to conduct air from the exterior of the outer drum to said perforated tube, an anular hollow band on the outside of the fire pot, said fire pot having a series of openings communicating with said band, means to control the flow of air to said perforated tube and said band, a casing surrounding the drums and forming a space above the latter to which heated air may pass from the space between the inner drum and the magazine, pipes for conducting the heated air from the space above the drums, and means to conduct air from the exterior of the outer drum to the lower part of the space between the inner drum and the magazine.

1,586,408. NUMBER-PLATE BRACKET. GEORGE CHAMPOUX, Salmon Falls, N. H., assignor of one-fourth to Joseph Camire, one-fourth to Frederick W. Gardner, and one-fourth to Frederick G. Kaessmann, all of Lawrence, Mass. Filed July 22, 1925. Serial No. 45,355. 10 Claims. (Cl. 40—125.)



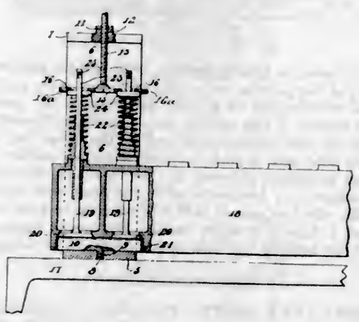
1. A bracket of the character described, comprising a body having a locking lug extending therefrom laterally thereof, a supporting plate depending from said body and adapted at its lower end to support a license number plate against said body so that said locking lug will extend through an opening in the license plate, and a cooperative locking lug movable on said body relatively to said first named lug to and from position to extend at one end beyond the corresponding end of said first named locking lug, said lugs being adapted when said movable lug is in extended position to engage opposite walls of the same opening in said license number plate, and to then hold said license number plate against displacement from position on said supporting plate.

1,586,409. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed May 28, 1925. Serial No. 33,352. 8 Claims. (Cl. 12—136.)



1. In a last having a toe part and a heel part adapted to rock upon one another about a given point, a link having an inflexible body connecting said parts together, said link having spring ends adapted to flex to permit the parts to move from one position to the other.

1,586,410. VALVE-SPRING COMPRESSOR. ROBERT C. COOK, Goshen, N. Y. Filed Nov. 5, 1925. Serial No. 67,089. 1 Claim. (Cl. 29—86.3.)

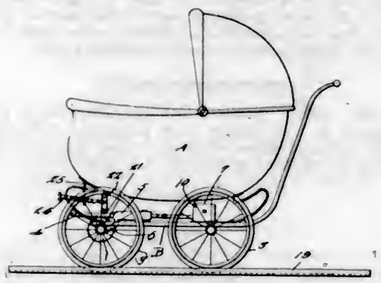


In a valve-spring compressor, a frame having a base and an arm overlying the base and extending in parallelism with the same, a disk detachably carried by the base and intended to engage a cylinder head and its valves for holding the valves while the valve springs are compressed and for preventing slippage of the cylinder heads, an elongated member having apertures adapted to engage the springs when the valve stems are extending through the apertures, and a feed screw connected to the elongated body and the arm of the frame and functioning to actuate the body for compressing the valve springs.

1,586,411. AUTOMATICALLY-ROCKING BABY CARRIAGE. JULIUS CSIMA, Milwaukee, Wis. Filed June 29, 1925. Serial No. 40,376. 2 Claims. (Cl. 180—1.)

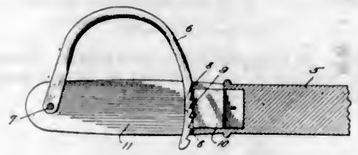
1. In combination with a baby carriage having axles, a pinion mounted on one axle for rotation therewith, a rack-bar engaging with said pinion, a source of power for operating said rack bar in alternate directions, a lever

pivotally secured to the carriage and engageable in one position to hold said rack bar in mesh with said pinion, a guideway for said rack-bar, and means in said guideway



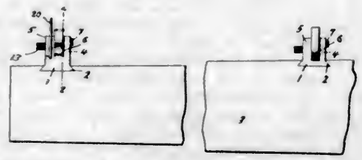
engaging said rack-bar to remove same from mesh with the pinion upon movement of the lever from engagement with the rack-bar.

1,586,412. POLICEMAN'S BATON. VAN V. CURTIS, Ragland, Ala. Filed Nov. 11, 1925. Serial No. 68,425. 1 Claim. (Cl. 70—105.)



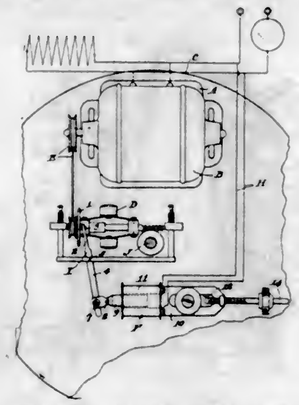
In a baton, a handle portion, said handle portion having a cut out portion extending from the outer end thereof and terminating at a point adjacent to the inner end of the handle, a link having one of its ends disposed within the cut out portion adjacent to the outer end of the handle, said link having teeth on the outer surface thereof and arranged adjacent to the free end thereof, said link adapted to cooperate with the handle to provide a shackle, the free end of said link adapted to pass through the cut out portion of the handle, and means engaging the teeth for holding the link in its positions of adjustment.

1,586,413. GUN SIGHT. JULIANUS J. DOORNBOS, Kalamazoo, Mich. Filed Oct. 18, 1924. Serial No. 744,456. 2 Claims. (Cl. 33—54.)



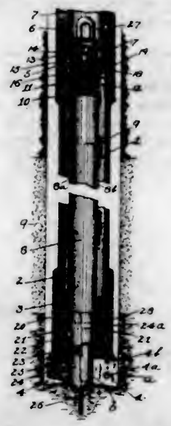
1. A sight for firearms including a base which is notched at the top thereof, a sight body in the notch, means pivotally securing the sight body in the notch, spring means influencing the sight body against one wall of the notch, said body having sights arranged about its periphery and having its face opposite that contacted by the spring means provided with depressions in a line with the respective sights, and an element threaded through the base to engage in one of the said depressions.

1,586,414. REGULATOR FOR VICTROLAS. JOSÉ DUCCI, Santiago, Chile. Filed Apr. 19, 1923. Serial No. 633,261. 2 Claims. (Cl. 188—187.)



2. In combination, a main supply circuit, a motor interposed in the circuit, a speed responsive device, electro-magnetic means in said circuit acting in response to current variations, means for adjusting the electro-magnetic means including a manually operable screw adjustably and swivelly connected with said electro-magnetic means, and braking means operated by the electro-magnetic means and acting on the speed responsive device to maintain the speed of the motor constant regardless of current variations in the supply circuit.

1,586,415. ROTARY CORE DRILL. OSWALD DUDA, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Nov. 1, 1923. Serial No. 672,189. 4 Claims. (Cl. 255—72.)

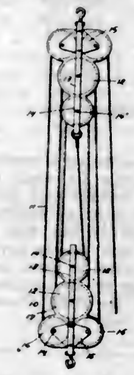


1. In combination in a core drill, a hollow head carrying cutters, a hollow drill stem carrying the head, a core receiving tube within the drill stem, a swivel support for the upper end of the core tube, a collar fixed on the lower end of the core tube, and having relative rotative contact with the wall of the head and forming a seal for the lower end of the tube against the access of flushing water, conduits through the head for the flushing water, core retainers pivoted to said collar and a plug screwed into the head and having an extension projecting up into the collar and holding the retainers initially in retracted position, substantially as described.

1,586,416. AGRICULTURAL IMPLEMENT. MARTIN EGGUM, Richey, Mont. Filed Sept. 9, 1925. Serial No. 55,292. 4 Claims. (Cl. 97—105.)

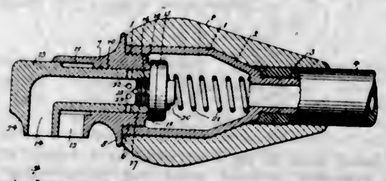
2. A device for coupling a walking plow to a sulky plow, comprising a bar member having a vertical and a horizontal portion, means for securing said vertical portion to a beam of said sulky plow, means carried at the free end of said horizontal portion for setting up a pivotal connection with the beam of a walking plow, and means connecting the free end of said horizontal portion with the forward part of the sulky plow for assisting to maintain said member in proper position.

1,586,417. BLOCK AND TACKLE. JOHN FOJTIK, Needville, Tex. Filed June 2, 1924. Serial No. 717,410. 1 Claim. (Cl. 254—188.)



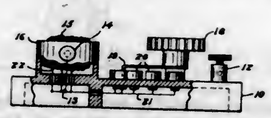
In a block and tackle, reversely arranged blocks, each of said blocks being of substantially triangular formation, laterally spaced pulleys at the base of the triangle and pulleys of different diameters spaced centrally and longitudinally from said base toward the apex of the triangle with the pulley of smallest diameter outermost, said blocks being arranged with the apices of the triangles opposed and a cable having one of its ends secured to one of the blocks and passing around all of the pulleys to provide a plurality of substantially parallel leads spaced from one another.

1,586,418. FAUCET. JAMES FREDERIKSEN and CHARLES SUTHERLAND HUDSON, Bend, Oreg. Filed June 2, 1925. Serial No. 34,411. 2 Claims. (Cl. 251—115.)



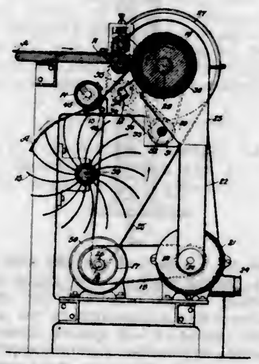
1. A faucet of the character described, including a casing, a head fitting the casing and having a valve seat thereon, a nozzle movable through the head, a valve fixed to the nozzle and adapted to engage the seat, a plurality of openings in the wall of the nozzle adapted to be forced into open communication with the casing in sequence whereby fluid is admitted to the nozzle in varying quantity, a spring in the casing back of the valve, an inlet nipple on the casing, an end portion of a hose received by the nipple and a handle of resilient material enclosing the casing and said portion of the hose.

1,586,419. MULTICONTACT CRYSTAL DETECTOR. WILSON S. FREESLAND, Norfolk, Va. Filed Oct. 2, 1922. Serial No. 591,904. 1 Claim. (Cl. 250—31.)



A multiple contact detector for radio comprising a rectangular base having an upstanding cup formed thereon, a plurality of contacts arranged in an arc about a common center, said base provided with a plurality of openings opening upwardly into said cup, wires attached to said contacts and extending through said openings into said cup, a metal crystal within said cup, and means detachably mounting said crystal within the cup and in non-supporting engagement with said wires.

1,586,420. FUR BRUSHING, STRAIGHTENING, AND BEATING MACHINE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Sept. 15, 1925. Serial No. 56,541. 5 Claims. (Cl. 149—24.)

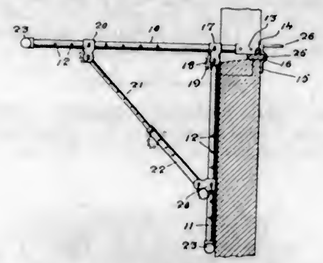


1. In a machine for subjecting furs to treatment, brushing means, beater means, a heated structure positioned between the brushing means and beater means, and means to guide a piece of fur past said brushing means over the said heated structure and past said beater means.

1,586,421. SCAFFOLD. GEORGE H. FRUSH, Clarksburg, W. Va. Filed July 21, 1925. Serial No. 45,063. 2 Claims. (Cl. 304—33.)

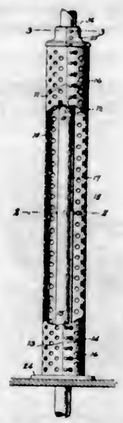
1. A scaffold of the character described comprising upper and lower supporting arms formed of relatively short lengths of pipe and having a plurality of aligned openings therein, a sleeve arranged upon the inner end of the upper supporting arm and terminating in rearwardly and transversely disposed attaching plates, a sleeve arranged upon the upper supporting arm and terminating in downwardly extending apertured ears for the

reception of the upper free end of the lower supporting arm, a pair of slidable sleeves arranged upon the supporting arms, and adjustable telescoping pipe sec-



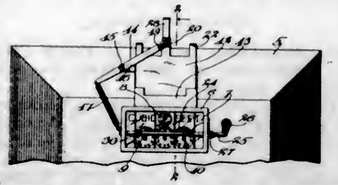
tions having their respective outer end portions pivoted to the lower apertured end portions of the auxiliary sleeves whereby the desired inclination and relative arrangement of the supporting arms may be regulated.

1,586,422. GUARD. ALFRED W. FURNIVALL, Brooklyn, N. Y. Filed Aug. 1, 1925. Serial No. 47,574. 2 Claims. (Cl. 257—136.)



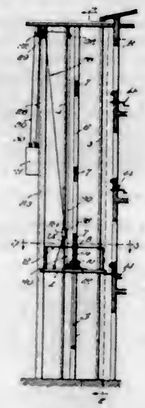
1. A guard for a pipe and the like which serves for conducting a heating medium, said guard comprising a perforate casing, means permitting the casing to be placed in surrounding relationship to the pipe and the like, and heat insulators and spacers extending radially inward from the casing for maintaining the casing in its surrounding relationship in a heat insulated condition.

1,586,423. RECORDING DEVICE FOR METERS. EMIL G. GEBAUER, Chicago, Ill. Filed Sept. 11, 1924. Serial No. 737,202. 5 Claims. (Cl. 234—35.)



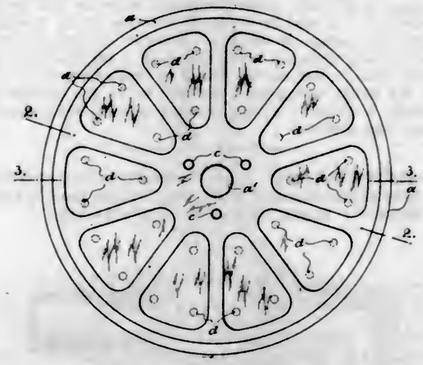
3. A recording mechanism for use in connection with meters comprising a housing adapted to be extended over the dials of a meter and having a sheath, a slide movable through said sheath, an indicating card carried by said slide, a lever fulcrumed to said sheath and having connection with said slide, and a spring associated with said lever and urging said slide to elevated position.

1,586,424. FIRE ESCAPE. BENJAMIN GILOWITZ, New York, N. Y., assignor of one-half to Harry Goldstein and one-half to Harry Aronstam, both of New York, N. Y. Filed Feb. 21, 1925. Serial No. 10,914. 5 Claims. (Cl. 227—12.)



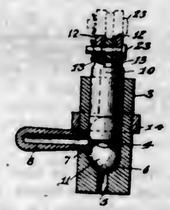
2. A fire escape comprising a carriage having a pair of spaced openings from its upper to its lower side, a pair of stationary vertical rods passing through said openings to guide the carriage, contractible sleeves slidably surrounding said vertical rods at points spaced above the carriage, said sleeves having sufficient connection with said carriage to move therewith and being adapted to be gripped by an occupant of the carriage and contracted upon the rods, whereby to frictionally brake the descent of said carriage.

1,586,425. WHEEL. CLAUDE EUGENE GOODYEAR, Kidderminster, England. Filed July 10, 1925. Serial No. 42,789. 1 Claim. (Cl. 301—64.)



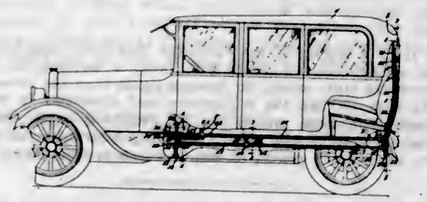
A wheel such as the road wheel of a vehicle of the type composed of sheet metal and incorporating two sheaves or half-members divided at the mid-plane of the wheel and joined permanently, having integral webs between spoke formations, which integral webs are welded or secured together.

1,586,426. AUXILIARY AIR VALVE FOR ENGINES. THOMAS P. GRAY, Griffin, Ga. Filed Apr. 1, 1925. Serial No. 19,959. 1 Claim. (Cl. 251—133.)



An auxiliary air intake device, comprising a cylindrical casting having an axial bore, the major portion of said bore being of relatively wide diameter, and the remaining portion of relatively small diameter to provide at their merging point a valve seat, a ball valve in the larger portion of the bore to engage the seat, a piston of a diameter corresponding to that of the larger portion of the bore and slidable therein, the upper part of the piston being furcated, a substantially L-shaped arm having a forked end lying in the furcation of the piston, a cross pin engaged in the furcated part of the piston and straddled by the forked end of the arm, a clamp embracing the casting and having a hanger pivotally supporting the arm, and a pipe leading from the bore in the casting above the seat, and adapted for communication with the intake of an internal combustion engine.

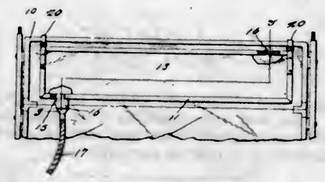
1,586,427. WINDOW OPENING AND CLOSING MECHANISM. TRUMAN W. HAMILL, Silverton, Oreg. Filed Nov. 10, 1925. Serial No. 68,091. 7 Claims. (Cl. 268—115.)



1. A mechanism for opening and closing the rear window of a motor vehicle comprising the combination with a window shiftably mounted at the rear of an automobile, of a vertically movable operating member for shifting the window to opened and closed position, a spring controlled operating shaft operatively connected at its rear end with said member for elevating and lowering it, a vertically movable spring controlled plunger operatively connected with said shaft at its forward end for actuating it, and means for detachably securing said plunger in set position.

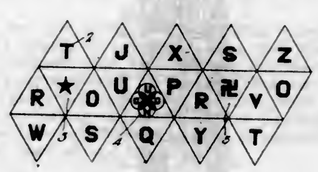
1,586,428. ATTACHMENT FOR AUTOMOBILES. GEORGE H. HANDLEY, Ogdensburg, N. Y. Filed Mar. 9, 1925. Serial No. 14,182. 1 Claim. (Cl. 20—40.5.)

The combination with a windshield of an automobile including a frame and a transverse transparent wall in said frame, of a second frame provided with a transparent wall therein, one face of the upper and lower portions of the margin of the second frame having recesses, the face of the second frame having the recesses being adjacent to the inner face of the first transparent wall including a compressible pad between said faces, whereby the recesses may define inlet and outlet openings, brackets engaging over the upper part of the windshield frame and having set screws to se-



cure the brackets in place, the brackets being in turn hingedly connected to the second frame, and means for conducting heated air to and through the inlet opening and into a space between the two transparent walls.

1,586,429. CROSS-WORD PUZZLE GAME. PAUL WILLIAM KIESLING, Tipton, Mo. Filed May 18, 1925. Serial No. 31,108. 4 Claims. (Cl. 273—135.)



1. A cross-word puzzle game comprising pads having faces formed thereon in block formation, a pair of cooperatively associated dice having triangular shaped faces with all of the letters of the alphabet formed collectively thereon, and characters of like formation on both of said dice, and said characters representing privileged plays.

1,586,430. RAILWAY-CROSSING GATE. STEVE KOLARIES, Steelton, Pa. Filed Apr. 14, 1925. Serial No. 23,081. 4 Claims. (Cl. 246—293.)

1. In a device of the type described, the combination with a railway track, of a pair of spaced posts on each side of said track, a gate arm pivoted to each post, a cable for each side of said track connected at its free ends to said gate arms, means for movably supporting the intermediate portions of said cables to permit the latter to extend to distant points along the track, and means adapted to be controlled by an approaching train for moving said cables to cause the arms to be moved into their operative positions.

1,586,431. BUCKLE. EDWIN BALL STIMPSON, Brooklyn, N. Y. Filed Jan. 12, 1920, Serial No. 350,793. Renewed Oct. 23, 1925. 2 Claims. (Cl. 24—190.)

1. A buckle comprising a framework including a bar, a member slidably mounted on said framework and having a part thereof provided with two rows of teeth the rows being separated by a recess into which a strap can be wedged by said bar to exert a gripping action on the strap, said member also having a strap-engaging part

separated from said recess to form a space through which the strap may be passed, said strap engaging part having an edge adapted to have tension exerted thereagainst by

the strap to pull the slidable member into strap gripping position, and said strap-engaging part being also provided with teeth spaced from said edge to effect a supplemental holding action on the strap.

1,586,432. SHIP'S INSTRUMENT. GEORGE WALKER, Newton Center, Mass. Filed Jan. 29, 1919. Serial No. 273,744. 60 Claims. (Cl. 235—61.)

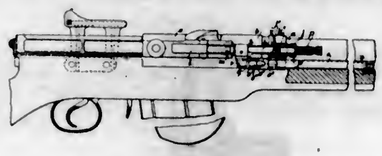
1. A device for measuring the motion of a self-propelled ship comprising speed-controlled means operative in proportion to the speed of the ship-propelling means, an indicator, and electrical means operatively connecting said speed-controlled means with said indicator, said electrical means comprising a circuit including a variable electromagnetic controller, whereby the operative relationship between said speed-controlled means and said indicator may be varied.

1,586,433. MOISTUREPROOF SCRIBABLE SHEET, TAG, AND THE LIKE. CHARLES T. WITTSTEIN, Newark, N. J. Filed Feb. 4, 1924. Serial No. 690,583. 1 Claim. (Cl. 41—38.)

A scribable sheet, comprising a base of a given color, and a coating on each face of a different color, said coatings being capable of being removed by a stylus whereby upon the use of a stylus grooves may be formed in the coatings for exposing the base therebeneath.

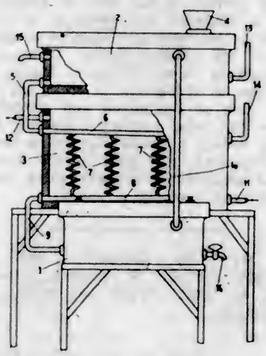
1,586,434. SMALL ARM AND MACHINE GUN. EDWARD SIDNEY ROYSTON ADAMS, London, England, assignor of one-half to Edmond John Warre Slade, London, England. Filed May 7, 1923, Serial No. 637,195, and in Great Britain July 12, 1922. 9 Claims. (Cl. 42—3.)

1. A small-arm and machine gun comprising a cartridge chamber, a breech slide mechanism, a breech bolt, a cylinder located at a point adjacent to the cartridge chamber, a piston actuated in said cylinder by the gases resulting from the discharge of a cartridge after forcing



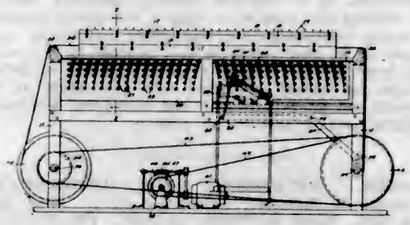
out a piece of the cartridge case in their passage to the cylinder, the said piston being adapted to act directly upon said breech slide mechanism for ejecting a spent cartridge and a return mechanism for said piston.

1,586,435. ELECTROLYTIC TANK. LICERIO ARNALOT, Barcelona, Spain. Filed Dec. 5, 1923. Serial No. 678,749. 3 Claims. (Cl. 204—5.)



1. In a device of the character described comprising in combination an electrolytic tank, a refrigerator, a receiving tank, means for passing liquid from the receiving tank through the refrigerator and thereafter to the electrolytic tank, and means for returning liquid from the electrolytic tank to the receiving tank operated by the gas pressure generated within the electrolytic tank.

1,586,436. ELECTRIC SIGN. FEDERICO ZORRILLA BARRUNDIA, Mexico, Mexico. Filed Aug. 25, 1923. Serial No. 659,298. 7 Claims. (Cl. 200—46.)

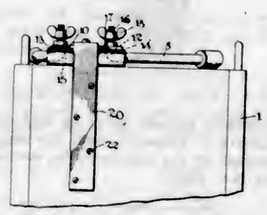


1. In combination, a reel, driving means for said reel, a second reel, a tape having its ends connected to said reels, means for reversing the driving means for the first named reel, and means whereby upon reversal of said driving means the same will be automatically disconnected from the first reel and connected for driving the second reel in an opposite direction.

1,586,437. PROCESS OF MAKING ACETYLATED NITROCELLULOSE. HARRY P. BASSETT, Cynthiana, Ky., and THOMAS F. BANIGAN, Philadelphia, Pa., assignors to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 11, 1923. Serial No. 638,391. 5 Claims. (Cl. 260—101.)

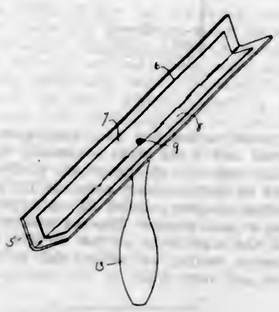
1. The herein described process of producing a cellulose composition which comprises dissolving nitro-cellulose high in nitrogen content in a solvent adapted under the influence of a suitable catalyzer to acetylate the nitro-cellulose, cooling the solution to below 15° C., adding a suitable catalyzer to the cooled solution, and maintaining the solution at a temperature below 15° C. until acetyl nitro-cellulose is formed.

1,586,438. TERMINAL-BLOCK ATTACHMENT. REGNALD R. BEEZLEY, Memphis, Tenn. Filed May 17, 1924. Serial No. 714,015. 2 Claims. (Cl. 173—324.)



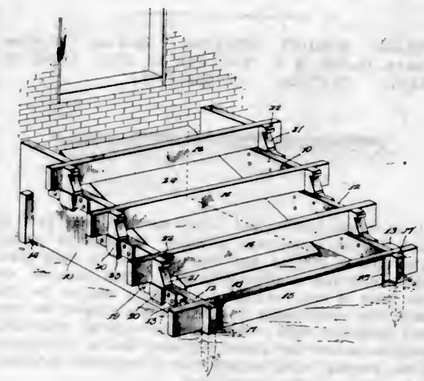
1. A terminal block comprising a housing of insulation having a groove in its bottom side and spaced holes through its top side communicating with said groove, conductors extending into opposite ends of said groove, said conductors having their ends bent to extend into said holes, terminals for said conductors extending through the holes and embedded in the conductors, said terminals carrying means exteriorly of said housing for securing to said terminals circuit connections for the battery, and a sealing compound within said housing and enclosing the portions of said conductors therein.

1,586,439. BLACKBOARD WIPER. ALBERT P. BENNINGTON, Philadelphia, Pa. Filed May 2, 1925. Serial No. 27,347. 2 Claims. (Cl. 15—245.)



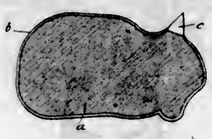
1. A blackboard wiper consisting of a V-shaped body, a V-shaped clamp to set within the body, a flexible wiper element interposed between said body and clamp, a handle, and means passing through the clamp, wiper element and body and into the handle for fastening the parts together.

1,586,440. FORM FOR CONCRETE STEPS. ISAAC VELANDINGHAM BILYEU, Springfield, Ill. Filed June 30, 1925. Serial No. 40,620. 10 Claims. Cl. 25—118.)



1. A form for concrete steps including companion side members stepped to define riser edges, face members extending between said side members and abutting said edges, keepers carried by the side members and provided with sockets, and keys removably fitted into said sockets and having upstanding portions engaging the face members to secure the face members in engagement with the riser edges of said side members.

1,586,441. NAIL-FILE. JOHAN ALBERT BLOM, Stockholm, Sweden. Filed Dec. 29, 1923, Serial No. 683,452, and in Germany Oct. 24, 1922. 1 Claim. (Cl. 30—23.)



As a new article of manufacture, a nail file, comprising an imperforate flat plate having an irregular curved contour with round ends, one end of the plate being narrower than the other and provided with a pointed projection extending from one side adjacent said end, the abrading surface of the plate terminating short of the edges whereby the plate will be formed with a curved smooth edge to facilitate the filing of the whole of the nail and without injury to the flesh.

1,586,442. COVER TIGHTENER. BENJAMIN R. DEXTER, Oakland, Calif. Filed Sept. 15, 1924. Serial No. 737,777. 2 Claims. (Cl. 68—10.)

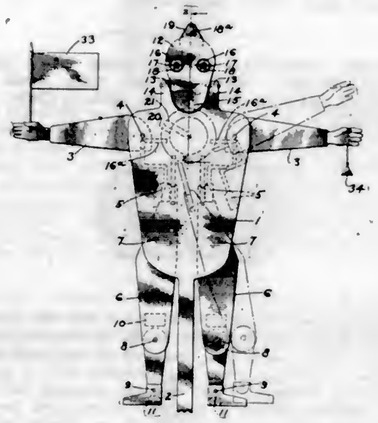
1. In combination with a board having a cover thereon, a plate secured to said board, a drum journaled on said plate, a handle pivoted to said drum, said plate

having a slot therein for the reception of said handle, said board having a groove formed in the edge thereof, and a cable adapted to lie in said groove and hold the cloth therein, said cable encircling said drum.

1,586,443. THRUST BEARING. GERHARD FLINTERMANN, Orange, N. J. Filed July 16, 1925. Serial No. 43,911. 12 Claims. (Cl. 308—160.)

1. A thrust bearing for rotary members, one part of which bearing comprises a series of separate elastic plates and a bearing pad near one end of each plate and in abutting relation with said rotary member, another part of said bearing comprising a support for the plates, the plates being mounted on the support so that axial thrust of said rotary member against said pads tends to deflect the plates, at least one of said parts of the bearing being constructed to facilitate deflection of the plates by the thrust load.

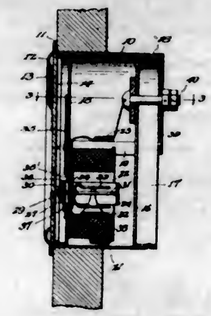
1,586,444. MECHANICALLY-OPERATED FIGURE. ARTHUR C. GRIEWANK, San Francisco, Calif., assignor of one-half to Emile Cerf, San Francisco, Calif. Filed Dec. 8, 1925. Serial No. 73,961. 7 Claims. (Cl. 46—40.)



1. A mechanical figure comprising the combination of a body, members pivoted to the body to simulate moving parts thereof, means intermittently operating on the members to rock the same about their pivots, a motor for driving the said means, means cooperating with the members to assist in keeping the same rocking pendulum-like, and means supporting the body in a manner permitting free pivotal movement of the said members.

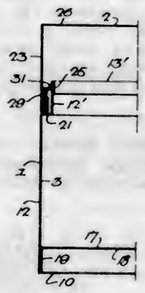
1,586,445. BATTERY TESTER. DONALD F. HINKLEY, Gothenburg, Nebr. Filed Jan. 31, 1924. Serial No. 689,729. 2 Claims. (Cl. 171—95.)

1. A battery tester including a casing, a face plate therein, a back plate closing the casing, means extending between and rigidly connecting said plates to form a unit bodily removable from the casing, an electro-magnet mounted upon the face plate and having a tubular core, said magnet being provided with a plurality of free turns looped around said means and exposed whereby access may be readily had to said turns for connecting one or more of the turns in the magnet circuit,



a rotatable spindle accommodated by said core and having an armature to cooperate with the magnet, and an indicator carried by the spindle to be swung thereby in front of the face plate.

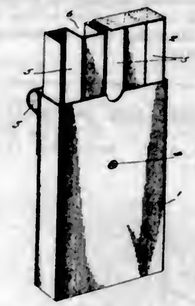
1,586,446. TRUNK. JEAN JACQUES, Philadelphia, Pa., assignor, by mesne assignments, to Frederick Paquette, Detroit, Mich. Filed Mar. 10, 1923. Serial No. 624,236. 6 Claims. (Cl. 190—19.)



1. In a trunk, a metallic main body portion having an inset wall and a lid seat, a metallic lid movably mounted with respect to the main body portion and having a metal to metal contact with the lid seat, and a flexible sealing member carried by said lid with the greater part of said member disposed parallel to the inset wall of the main body portion of said trunk, said sealing member having an offset wall to frictionally bear against said inset wall.

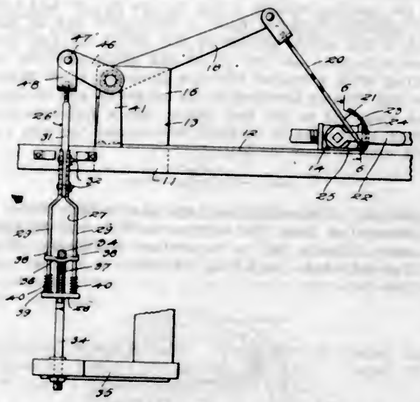
1,586,447. CONTAINER. ARTHUR M. JAMES, Johnstown, Pa. Filed Aug. 13, 1923. Serial No. 657,052. 1 Claim. (Cl. 206—3.)

A container for detonators including a movable drawer part formed of a sheet of insulating material bent upon itself a number of times at right angles to form a plurality of chambers opening in opposite directions and disposed in parallel relation, a cover part for receiving the drawer part and opened at one end, a flexible flap having one end permanently connected to



the cover part and the other end extended across the end of the cover part and detachably connected to the opposite side thereof.

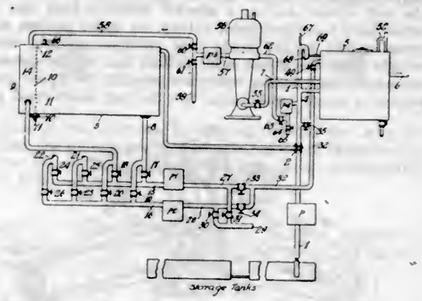
1,586,448. SAFETY DEVICE FOR LOCOMOTIVE TRUCKS. HARLEY S. JOHNSON, Erwin, Tenn. Filed Jan. 7, 1926. Serial No. 79,908. 9 Claims. (Cl. 246—170.)



4. In a safety device for indicating derailment of locomotive trucks and the like, a lever pivoted intermediate its ends upon the main frame of the locomotive, a connection between one end of the lever and the locomotive truck permitting limited transverse and vertical movement of the truck without imparting such movements to the lever including an eye carried by and elongated transversely of the locomotive truck, a link having a vertically elongated eye at its lower end and connected at its upper end to the lever, a false bottom for said link, means yieldably forcing the false bottom upwardly, means limiting the upward movement of the false bottom, said false bottom constantly engaging the eye of the truck during all relative movements of the truck and locomotive and a cock connected with the opposite end of the lever.

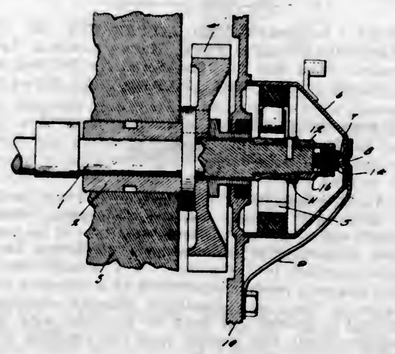
1,586,449. PROCESS AND APPARATUS FOR THE SEPARATION OF IMMISCIBLE SUBSTANCES. LEO D. JONES, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed May 1, 1924. Serial No. 710,390. 30 Claims. (Cl. 210—52.)

1. In combination with a liquid compartment, an intermediate tank having a service outlet, a gravity separator, a centrifuge, means for passing liquid from said compartment to said separator or said intermediate tank, means for passing settlings from said intermediate tank



to said separator, a pipe for conducting a recovered substance from said separator to said centrifuge, and means for bringing together a substance recovered in said centrifuge and a substance passing from said outlet.

1,586,450. ANTIRATTLER FOR AUTOMOBILE CAM SHAFTS. FREDERICK CHARLES LANGE and PAUL WILLIAM LANGE, Casper, Wyo. Filed Feb. 18, 1924. Serial No. 693,724. 1 Claim. (Cl. 308—167.)

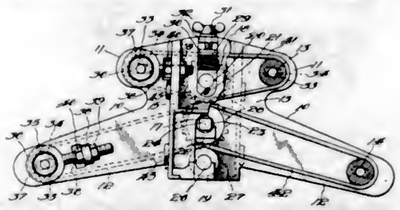


The combination in an automobile engine, of a shaft, a casing receiving a portion of the said shaft and having an interior protuberance, a casing threadedly secured on the end portion of the shaft and having an inwardly directed flange at its end remote from the shaft end, and a spring-pressed plunger carried in the latter casing and movable therein and opposed to the protuberance of the first-named casing to prevent rattling or endwise play of the shaft and having a flange opposed to the first-named flange; the plunger being hollow and movable rectilinearly in said aperture, and the spring being housed in said plunger and interposed between the end of the shaft and the end of the plunger.

1,586,451. CLOTHES WRINGER. JAMES LIGGETT, Chicago, Ill. Filed Sept. 26, 1923. Serial No. 664,874. 1 Claim. (Cl. 68—32.)

In a clothes wringer, the combination of end frames in spaced relation to one another, upper and lower compression rollers mounted one above the other between center portions of the end frames, a pair of upper guide rollers on opposite sides of and above the interspace between the compression rollers and at substantially equal distances therefrom and mounted between upper outer

portions of the end frames, a pair of lower guide rollers on opposite sides of and below the interspace between the compression rollers and at substantially equal distances therefrom and mounted between lower portions of the end frames and at a greater distance from one another than the upper guide rollers, an upper endless compression belt having lower turn portions inclined downwardly from the upper guide rollers and carried beneath the upper compression roller and around the upper guide rollers, a lower compression belt having upper turn por-

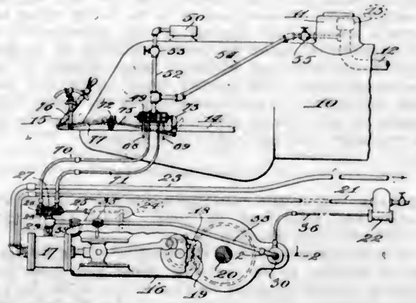


tions inclined upwardly toward and over the lower compression roller and carried around the lower guide rollers, the end frames standing in close relation to the edges of the respective belts to furnish closely spaced side guides along the inclined portions of the belts, journal mountings for the ends of the respective guide rollers, and means for adjusting said mountings to slightly vary the distances between the respective pairs of rollers for taking up slack in the belts, substantially as described.

1,586,452. LOUD-SPEAKING APPARATUS OF THE ELECTROMAGNETIC TYPE. LOUIS LUMIÈRE, Lyon, France. Filed May 28, 1923, Serial No. 642,018, and in France Jan. 11, 1923. 2 Claims. (Cl. 179—116.)

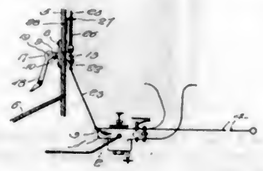
1. An electro-magnetic loud speaker for the production of intense acoustic waves by converting electromagnetic vibrations into acoustic vibrations of large amplitude comprising in combination a diaphragm having warped members in the manner of a circular fan, an electro-magnetic receiver constituted by a vibrating blade situated in front of conveniently disposed electromagnets, and a pointed rod fixed to the diaphragm at a convenient point and resting upon the vibrating plate.

1,586,453. LOCOMOTIVE BOOSTER-MOTOR CONTROL. OTIS L. MCCONNELL, Los Angeles, Calif. Filed Sept. 18, 1924. Serial No. 738,498. 6 Claims. (Cl. 105—48.)



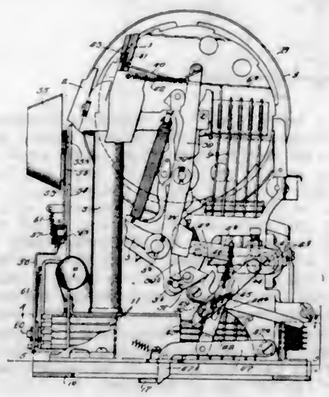
1. The combination with a locomotive, its reach rod, its booster motor and the booster motor reversing mechanism, of fluid pressure actuated means for actuating and controlling the position of the booster motor reversing mechanism, means including a pair of double valves for controlling the supply of fluid pressure to said fluid pressure actuated reversing mechanism actuating means and manually operable means carried by the reach rod of the locomotive for actuating and controlling the positions of said double valves.

1,586,454. PRIMER FOR INTERNAL-COMBUSTION ENGINES. HOLLIS A. MCTAGUE, East Holden, Me. Filed Dec. 24, 1925. Serial No. 77,531. 5 Claims. (Cl. 137—139.)



1. In an apparatus of the character described, the combination with a fuel feed device having a valved air inlet and an operating lever therefor, of a support having a transverse opening, an arm extending through and pivoted in the lower end of said opening, the lower wall of the opening forming a stop for one end of said arm, an actuating member fixed to the other end of said arm, a link device pivoted to one end of the arm, connection between one end of the link device and said operating lever, a bracket having a guideway, a rod having one end slidably arranged in the guideway, and its other end connected to the link device, and a coil expansion spring on the rod to normally inter-engage the stop and said arm to open the inlet.

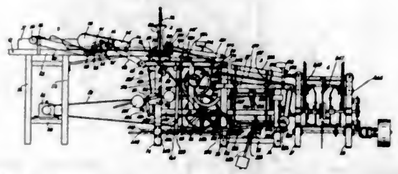
1,586,455. COIN-CONTROLLED MACHINE. FRED L. MILLS, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1924. Serial No. 750,087. 11 Claims. (Cl. 194—2.)



10. In a machine of the character set forth, the combination of a coupon-magazine, coupon-delivering means, a coupon-transferring device for transferring coupons from said magazine to said coupon-delivering means, coin-controlled mechanism for actuating said coupon-transferring device and said coupon-delivering means, a coin-chute associated with said coin-controlled mechanism, and means associated with said coin-chute for

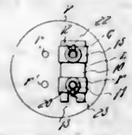
preventing the actuation of said coupon-delivering mechanism when an annular coupon from the machine is fed into said coin-chute and permitting such actuation when a coin is fed into said coin-chute.

1,586,456. TOWEL-FOLDING MACHINE. ALLISTER S. MITCHELL, Oakland, Calif., assignor to California Cotton Mills Company, Oakland, Calif., a Corporation of California. Filed Nov. 3, 1922. Serial No. 598,955. 17 Claims. (Cl. 93—93.)



3. A stacking means comprising channel members, means whereby a towel is deposited on said channel members, a receiving means, a reciprocating crosshead and means actuated by the crosshead for moving apart said channel members so as to drop said towel on the receiving means.

1,586,457. GRID LEAK. LAWRENCE J. MONCRIEF, Winfield, Kans. Filed Oct. 31, 1923. Serial No. 671,977. 11 Claims. (Cl. 201—63.)



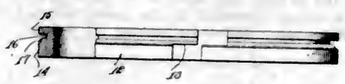
1. A grid leak comprising a base formed of insulating material, means whereby the base may be removably engaged over the terminals of a vacuum tube, a resistance element carried by the base and means whereby the resistance element may be electrically connected to the tube terminals.

1,586,458. SURF BOARD. HENRY HOWARD NEWBY, San Quentin, Calif. Filed Aug. 10, 1925. Serial No. 49,410. 1 Claim. (Cl. 9—18.)

In a device of the character described, a frame, a pair of floats secured to said frame and separated one from the other, a body supporting surface positioned between said floats, a slide-way formed on the opposite side of said frame, a carried adapted to be reciprocated on said slide-way, downwardly extending parallel members pivotally secured to said carrier, and propelling plates pivotally secured to said downwardly extending parallel member, said plates being adapted to lie in a horizontal plane when said carrier is moved forward and to lie in a vertical plane when said carrier is moved in a reverse direction.

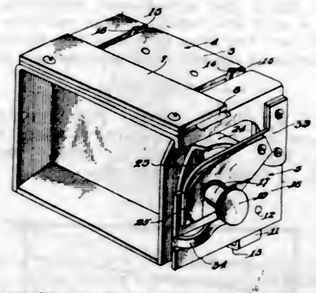
1,586,459. PISTON RING. FRED H. NORTON, Manchester, Conn. Filed Jan. 29, 1924. Serial No. 689,284. 1 Claim. (Cl. 74—109.)

A piston ring having a circumscribing groove in its cylinder contacting face, said groove having side and bottom walls, one side wall of the groove having a convex portion originating at the bottom wall of the groove and terminating inwardly of the cylinder contacting face of the ring, and an oblique portion extending from the outer terminus of the convex portion and meeting the said cylinder contacting face at an obtuse angle, that



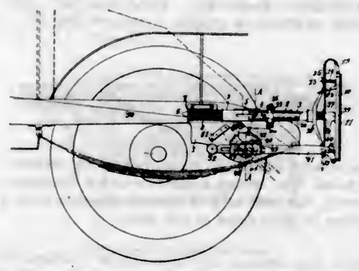
portion of the cylinder contacting face of the ring including the oblique portion being adapted to initially distribute oil on the cylinder wall and to be subsequently worn away.

1,586,460. VENDING MACHINE. HUBERT NOTEBOOM, Philadelphia, Pa. Filed Apr. 23, 1924. Serial No. 708,497. 3 Claims. (Cl. 211—8.)



1. In a vending machine, article ejecting arms, a manually rotatable stub shaft, a plurality of cams connecting said stub shaft and arms whereby the arms will be moved into article receiving position upon initial movement of each operation of the stub shaft, a second series of cams for moving said arms into article ejecting position upon continued rotation of said stub shaft, a stop normally preventing rotation of said stub shaft, and means on the first named cams for co-operation with the second named cams to prevent reversed rotation of said stub shaft.

1,586,461. LIFE GUARD FOR MOTOR VEHICLES. FRANÇOIS PADOVANI, Paris, France. Filed July 17, 1925, Serial No. 44,352, and in France July 26, 1924. 3 Claims. (Cl. 180—83.)



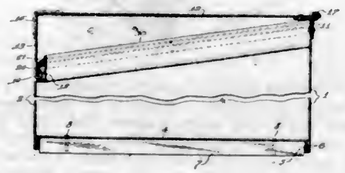
1. A life guard for motor vehicles, comprising a support disposed at the front of the vehicle and slidable lengthwise of the vehicle, elastic means for bringing back the said support to the rear, fastening means for maintaining the support in the forward position, a frame suspended from said support and pivoting in the lengthwise direction, means for releasing the said fastening means by the rearward displacement of the said frame,

a flap which is vertically slidable upon the said frame, a device for securing the said flap to the support, means for releasing the said device by the rearward displacement of the said flap, means controlled by the rearward motion of the support and adapted to draw down the said flap, and means controlled by the same rearward motion and acting upon a device for braking the vehicle.

1,586,462. SUPPORT SERVING AS CORE FOR BEADS DURING THEIR MANUFACTURE. JEAN PAISSEAU, Paris, France. Filed Apr. 14, 1925. Serial No. 23,095. 2 Claims. (Cl. 49—14.)

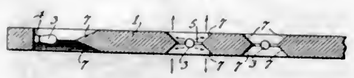
2. A support serving as a core for beads made of glass or enamel during their manufacture, comprising a split tube and a solid wire disposed within said tube with a slight play, said wire being removable from the tube after the contraction of the said beads upon the said tube.

1,586,463. WEATHER STRIP FOR CONTAINERS. FREDERICK PAQUETTE, Cottrellville Township, St. Clair County, Mich. Filed Oct. 27, 1924. Serial No. 745,963. 5 Claims. (Cl. 190—19.)



4. A trunk having inset wall portions, a lid hinged to said trunk and adapted to close over the inset wall portions of said trunk, a holder in said lid and held by an inturned edge of said lid, and a compressible strip in said holder held by an inturned edge thereof, said strip having flanges forming a channel to receive the inset wall portions of said trunk.

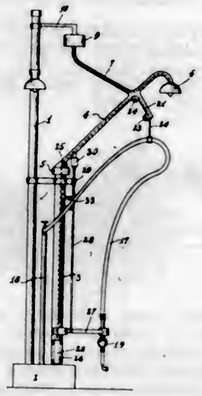
1,586,464. SIGN. RALEIGH M. PEARSON and WILLIAM LETZIG, Little Rock, Ark. Filed Jan. 22, 1924. Serial No. 687,796. 4 Claims. (Cl. 40—130.)



1. As a new article of manufacture, an integral sheet double-faced sign having a light-receiving character opening therein, the wall of said opening tapering from a common plane to both faces of the sign.

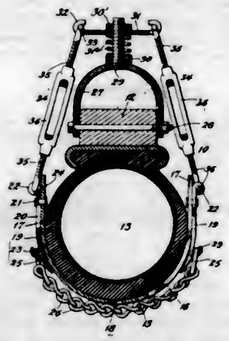
1,586,465. AIR-HOSE AND LIGHTING TOWER. WILLIAM B. PERDUE, Oakland, Calif., assignor to Emco Manufacturing Company, Oakland, Calif., a Corporation of California. Filed Feb. 25, 1924. Serial No. 695,095. 10 Claims. (Cl. 299—77.)

1. An air hose and lighting tower, comprising a supporting tube, an arm pivoted to said tube, a light on said arm, a supporting column, a brace arm extending to the first named arm and journaled on said column, said journal being disaligned with the pivot of the first arm, whereby said arm is automatically returned to the non-operative position, and an air hose mounted adjacent said tube.



4. An air hose tower comprising a supporting tube, an arm pivoted to said tube, an air hose, a cable secured to said hose, and extending through said arm and a weight in said tube secured to the cable, means to grip said cable to prevent its return in the tube, and means to release said gripping means.

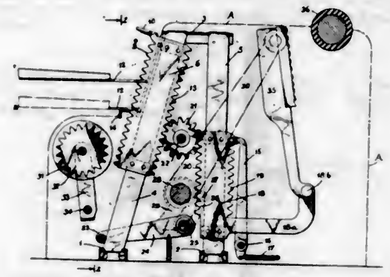
1,586,466. ANTISKID DEVICE. JACOB A. PITTENGER, Millburn, N. J. Filed Nov. 27, 1925. Serial No. 71,758. 2 Claims. (Cl. 152—14.)



2. An anti-skid device comprising a saddle member adapted to fit about the tread surface of a tire, opposed lugs slidably mounted on said saddle member, a length of chain having its ends connected with said lugs, attaching means, and adjustable clamping means for holding said chain in a taut condition against said saddle member.

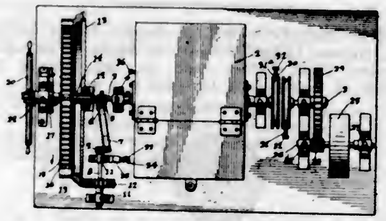
1,586,467. ADDING MACHINE. WILLIAM P. QUENTELL, New York, N. Y. Filed May 11, 1925. Serial No. 29,457. 14 Claims. (Cl. 235—80.)

13. In a key-set adding machine, the combination of an accumulator, a transversely arranged series of orders of adding mechanism each having a rack member constituting an adding key and movable upward and downward and operable by means of the teeth of said rack, the lower part of said rack member being connectible with an order of said accumulator, a row of digits de-



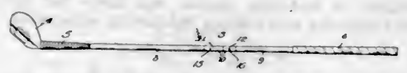
noting the teeth of said rack, and means for stopping the rack according to the number of the tooth by which the rack has been operated.

1,586,468. COMBINATION SPRING MOVEMENT AND WASHING MACHINE. EDWARD J. RAPPS, Los Angeles, Calif. Filed Nov. 2, 1923. Serial No. 672,298. 6 Claims. (Cl. 185—39.)



1. In a machine, an invertible tub, a spring mechanism to store energy, a reversing mechanism including a pinion and an endless semi-circular rack connected to the appliance and operative by the spring mechanism, and a speed controlling means.

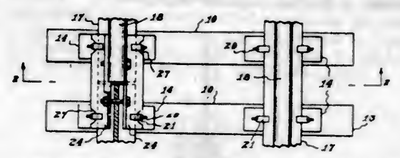
1,586,469. GOLF CLUB. ALEXANDER H. REVELL, Chicago, Ill. Filed June 25, 1920. Serial No. 391,642. 2 Claims. (Cl. 273—80.)



1. A golf club comprising a head and a lower shaft-section permanently united thereto, a handle-equipped shaft-section of approximately the same length as the lower section, and coupling means detachably connecting said sections together comprising a socket provided with an internal thread and with a tapered bearing portion, and a stud provided with a thread engaging said first-named thread and with a tapered portion fitting wedgedly into said taper bearing portion.

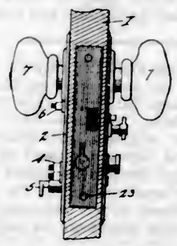
1,586,470. RAIL JOINING AND GAUGING DEVICE. BENJAMIN RHODES, Marcus Hook, Pa. Filed Jan. 4, 1926. Serial No. 79,189. 3 Claims. (Cl. 238—210.)

1. In combination with a wooden tie for rails having flanges, rail bed-plates, means for securing said bed-plates on said tie, means for placing and securing the rails at a fixed gauge, joining plates for connecting sections of



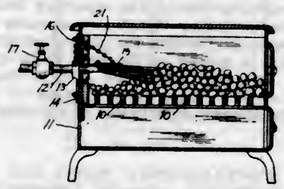
rail, means for locking said first named means, and said joining plates having top and bottom inclined surfaces to conform with the head and flange of said rail.

1,586,471. LOCK. DARIO ROBERTI, Springfield, Mass. Filed Apr. 5, 1923. Serial No. 630,162. 2 Claims. (Cl. 70—54.)



1. A lock of the class described comprising in combination, a casing having a latch mechanism therein and a face plate therefor, permutation means, a false section insertable in the casing having a plurality of devices for catching in the latch mechanism so as to lock the same in a predetermined manner, said devices being actuated by said permutation means, means for latching said section in said casing, a plurality of buttons for actuating the permutation means according to a predetermined arrangement, and push buttons for setting or resetting the permutation means, auxiliary means for detaching the permutation means from the buttons whereby it will become inoperable by said buttons, a supporting bar for the permutation means, and means for dogging the said section latching means for preventing the false section from being removed from the casing, and handle means for turning the latch.

1,586,472. FUEL IGNITER. FRANK S. ROCHFORD, Denver, Colo. Filed Jan. 2, 1926. Serial No. 78,920. 4 Claims. (Cl. 158—10.)



4. An ignition attachment for stoves and furnaces comprising a plate adapted to be attached to the wall of the stove and having a key hole slot, a blast pipe extending through said plate and supported thereby, the blast pipe exteriorly of the plate having a valve, a deflector hinged to the inner end of the pipe for vertical movement, a spring urging the deflector in one direction, and a chain attached to the deflector and extending out through said key hole slot whereby the deflector may be shifted against action of the spring.

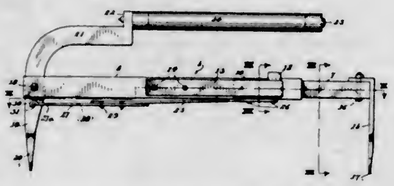
1,586,473. SHOE-LACE TIP. MAXWELL L. ROSE, Los Angeles, Calif. Filed June 23, 1925. Serial No. 39,019. 7 Claims. (Cl. 24—143.)

1. A lace tip comprising in combination a lace, said lace having a permanent end of small diameter adapted to thread through an eyelet and a tip attached directly thereto of sufficient diameter to prevent withdrawing the lace from the eyelet, said tip being attached after threading of the small permanent end through an eyelet.

1,586,474. PROCESS FOR COLORING BRICK. ADAM SASSUR, Chicago, Ill., assignor of one-half to William A. Schlumbom, Chicago, Ill. Filed June 24, 1925. Serial No. 39,382. 1 Claim. (Cl. 106—24.)

A shaped plastic article of the character above described containing a cementing agent of a mineral nature, and containing ferruginous quartz in comminuted state as a coloring agent, present to the extent of about 2 to 10%, such shaped article retaining its color when subjected to dry steam treatment for hardening the said article.

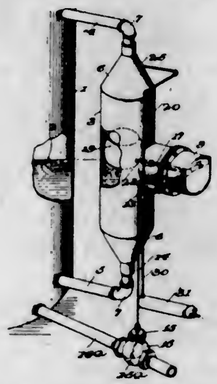
1,586,475. BRICK CARRIER. HARVEY K. SCHONDELMAYER, Marion, and SAMUEL C. FULKERSON, Cedar Rapids, Iowa. Filed Feb. 13, 1925. Serial No. 8,926. 2 Claims. (Cl. 294—62.)



1. In a device of the type described, a frame comprising a pair of telescopically arranged tubular members, means for maintaining said members in adjusted relation in respect to each other, a gripping member rigidly carried by one of the frame members, a second gripping member pivotally carried by the remaining frame member, a handle carried by the pivoted gripping member, means for releasably holding the pivoted gripping member immovable in respect to the rigid gripping member and length adjusting means for said holding means whereby the same is adapted to correspond for operative positioning at different adjustments of the tubular members.

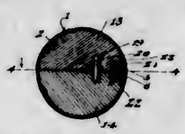
1,586,476. NONCOLLAPSIBLE FLOAT FOR LIQUID-LEVER CONTROLS. EDWARD EVERETT SIMPSON, Tulsa, Okla. Filed May 4, 1925. Serial No. 27,887. 2 Claims. (Cl. 137—101.)

1. In a device of the class described, an auxiliary container having its opposite ends in open communication with the opposite ends of a main container, said auxiliary container provided with a casing at one side in open communication with said auxiliary container, a hollow shaft mounted for rocking movement in said casing and having one end projecting beyond said casing, a lever connected with the projected end of the shaft, a valve for controlling the flow of liquid to the main container, a link for connecting the lever with said valve, a float adapted to be supported by the liquid in the auxiliary container, a hollow rod connecting the float with the



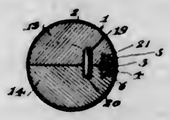
hollow shaft, and conduits connecting the float with the upper end of the auxiliary container, a portion of said conduit passing through the hollow rod and hollow shaft, and means for draining moisture from the float.

1,586,477. PRINTING ROLL. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor to James T. Robinson, Holyoke, Mass. Filed Sept. 11, 1925. Serial No. 55,805. 7 Claims. (Cl. 101—415.)



5. A printing roll comprising a body portion formed with a pair of detachably connected abutting sections provided on their inner faces with pockets extending lengthwise thereof and opening at the periphery of said sections and further opening at the inner faces of the sections, said pockets being of triangular contour and one of greater width than the other, a bendable metallic printing plate provided on its inner face with attaching bars mounted in said pockets for connecting the plate in enveloping position with respect to and against the periphery of said body portion, and means for detachably connecting said sections in abutting engagement.

1,586,478. PRINTING-PLATE ROLL. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor to James T. Robinson, Holyoke, Mass. Filed Sept. 11, 1925. Serial No. 55,806. 9 Claims. (Cl. 101—415.1.)



1. A plate roll comprising a body portion formed of a pair of sections adapted to be detachably secured together in abutting engagement and each having the inner face thereof provided with a lengthwise extending pocket for the reception of an attaching bar carried at one

end of a bendable printing plate for connecting the plate in cylindrical form against said body portion when said sections are in abutting engagement, and means engaging with the ends of said sections when in abutting engagement for detachably securing said sections together.

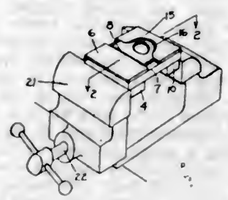
1,586,479. TIE AND FASTENER. JOHN G. SNYDER, New York, N. Y. Filed Sept. 3, 1925. Serial No. 54,306. 12 Claims. (Cl. 238—343.)

1. In a tie and rail fastener, a tie body provided with a depending central portion extending longitudinally of the body and with overhanging flanges forming shoulders with a slot therebetween, said shoulders being thicker than the remaining part of the tie body, each of said shoulders being provided with a notch, a clip formed with a depending portion fitting into said notch and positioned to overlap the base of a rail so as to clamp the same on the tie body, and a bolt having its head interlocking with said flanges, said bolt extending through said clip and acting to clamp the clip in position.

1,586,480. RAIL TIE AND FASTENER. JOHN G. SNYDER, New York, N. Y. Filed Sept. 4, 1925. Serial No. 54,463. 10 Claims. (Cl. 238—61.)

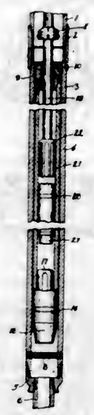
1. In a device of the character described, a tie body rolled from metal into a substantially U-shaped structure with a pair of parallel grooves in the upper surface having integral shoulders overhanging each groove with a slot therebetween, said shoulders being formed with clip receiving notches.

1,586,481. SHIM-FILING CLAMP. HARRY F. SPOTTS, Riverside, Calif. Filed Mar. 18, 1925. Serial No. 16,384. 3 Claims. (Cl. 81—39.)



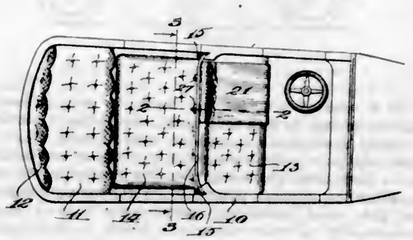
3. A shim filing clamp comprising in combination a central flat rectangular member, a pair of flat side members slidable on each side thereof, a flat thin jaw attached to the central member, a flat thin jaw attached to the side members, said jaws and the upper surfaces of the center and side members being positioned to support a shim resting flat on the side members and the central member and to be engaged edgewise by the jaws, means whereby the jaws may be moved toward and from each other and side members slid longitudinally of the central member.

1,586,482. NONLEAK SEAT AND ANCHOR FOR LINER PUMPS. CHARLES SPRAGUE and FRANK SPRAGUE, Bakersfield, Calif., assignors of one-fourth to Charles Drader, Bakersfield, Calif, and one-fourth to Raphael R. Candee, McKittrick, Calif. Filed May 7, 1923. Serial No. 637,293. 1 Claim. (Cl. 103—181.)



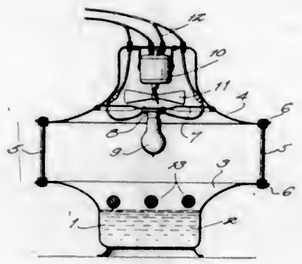
A pump comprising a pump housing having a tapered seat formed on its interior surface, a barrel, a part resting upon the top edge of the barrel, a plug extending through said part and having a portion threaded into the barrel thus fastening the part to the barrel and permitting the barrel to be suspended by the plug, said part being adapted to seat upon said tapered seat, a plunger reciprocable in said barrel, a sucker rod secured to the plunger and extending upwardly through the plug, said means permitting fluid to pass upwardly through the plug upon the upward stroke of the plunger, and means providing hammers upon the sucker rod above and below the plug for seating and unseating said part.

1,586,483. AUXILIARY SEAT BACK FOR AUTOMOBILES. EMANUEL A. SPEEGLE, Los Angeles, Calif. Filed Aug. 13, 1925. Serial No. 50,026. 4 Claims. (Cl. 155—7.)



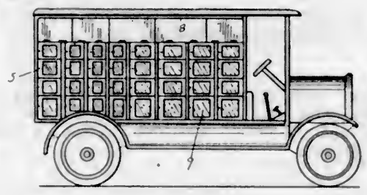
1. The combination with a motor vehicle having a front seat back that is adapted to be swung from its normal upright position downwardly and rearwardly into a horizontal position, of a supporting rail arranged transversely within the vehicle body above the rear portion of the front seat cushion, means for detachably connecting the ends of said supporting rail to the side walls of the vehicle body, an auxiliary seat back detachably connected to said supporting member and flexible members projecting from the lower portion of said auxiliary seat back, which flexible members pass partially around the adjacent front seat cushion.

1,586,484. INSECT EXTERMINATOR. JOHN S. SUGGS, Pensacola, Fla. Filed Aug. 9, 1924. Serial No. 731,089. 1 Claim. (Cl. 43—139.)



An insect exterminator comprising a pair of bowl-like receptacles, one of which is inverted, posts connecting the receptacles together in spaced relation, the lower receptacle having liquid therein and having screened openings therein above the liquid level, a spider in the upper receptacle, a lamp carried by the spider, said lamp projecting into the space between the two receptacles, a fan in the top part of the upper receptacle above the lamp and means for conducting current to the fan and lamp.

1,586,485. COMMODITY-DISPENSING DEVICE. ALBERT M. SWANSON and LOUIS D. STOPPEL, Isleton, Calif. Filed Apr. 20, 1925. Serial No. 24,577. 1 Claim. (Cl. 214—83.)

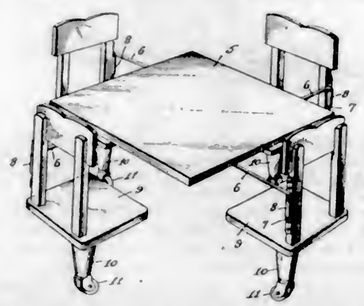


In a commodity dispensing device, a body, a central passage formed in said body, said body having a plurality of doors positioned on opposite sides thereof, means in said body for retaining thereon a plurality of commodities to be dispensed, and mechanism for conveying the commodities to the doors positioned on the opposite sides of the body, said mechanism comprising a pair of flexible belts spaced on each side of the article to be dispensed and resilient pads positioned between said belts, whereby said commodities may be dispensed.

1,586,486. PROCESS OF TREATING SUGAR-BEET DIFFUSION JUICE. HARRY S. THATCHER, Los Angeles, Calif., and SAMUEL E. JOSI, Chicago, Ill., assignors to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Aug. 22, 1923. Serial No. 658,835. 4 Claims. (Cl. 127—55.)

1. In the manufacture of beet sugar by the diffusion process, the method of purifying diffusion juice which comprises heating such diffusion juice, forming on the filtering surfaces of a filtering apparatus a coating of diatomaceous earth by passing through such apparatus a suspension of diatomaceous earth in purified beet juice, and then passing such heated diffusion juice through said coating of diatomaceous earth.

1,586,487. TABLE. HARRY E. THIXTON, Henderson, Ky. Filed Oct. 17, 1925. Serial No. 63,055. 1 Claim. (Cl. 155—123.)



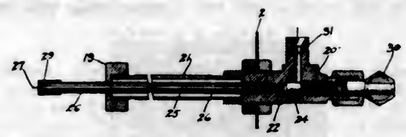
An article of furniture embodying a table-top, a plurality of one-legged chairs having upright back-members, the single leg of each chair being provided with a castor, and means for entirely supporting the table-top on said chairs in such manner as to permit the chairs to be swung toward and from the table-top, said means embodying a rigid arm for each chair having its inner end affixed rigidly to the under side of the table-top and having its outer portion projecting a considerable distance from the table-top and provided with a down-turned pintle of considerable length, and a tubular socket of considerable length for receiving each of said pintles, each of these sockets being fastened to one of said uprights of one of the chairs, for the purpose set forth.

1,586,488. TOOTHBRUSH COVER DEVICE. RUDOLPH E. TOLLNER, New York, N. Y. Filed July 15, 1924. Serial No. 726,198. 2 Claims. (Cl. 206—15.1.)

1. A device of the character described, comprising a handle and brush head, said handle and head having longitudinal grooves in their opposite sides, a spring latch bar having a groove and an end releasing finger, said latch set in the under side of said handle adjacent its rear end, a box like open end casing adapted to enclose said brush head and having inturned top flanges slidably engaging said longitudinal grooves, a rigid partition mounted within the rear open end of the casing and adapted to be engaged by the latch bar to lock the casing on the handle, a pivoted front wall or lid at the front end of the casing, a spring mounted on the casing and bearing against the lid holding the same closed when the casing encloses the brush head, and urging the lid frictionally against the handle when the casing is in uncovering position, and straps extending around the handle and integral with the casing.

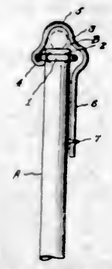
1,586,489. LIQUID-FUEL BURNER. FAVILLE A. TROW, Albert Lea, Minn. Filed Nov. 5, 1924. Serial No. 747,953. 10 Claims. (Cl. 158—81.)

1. The combination with a burner and retort, of an auxiliary retort and means for delivering thereto a small quantity of liquid fuel under pressure, said auxiliary retort being adapted when heated by a small flame to vaporize such small quantity of liquid fuel, and means adjacent said main retort for directing the flame from



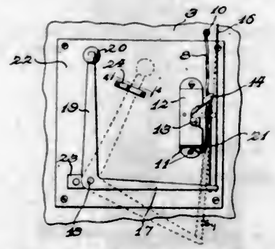
said auxiliary retort upon the walls of said main retort, and deflecting said flame upon said auxiliary retort to continue the vaporizing of the fuel therein.

1,586,490. CLOTHES PROP. LEWIS R. TURNER, Sr., Magnolia, N. J. Filed June 17, 1925. Serial No. 37,821. 1 Claim. (Cl. 68—12.)



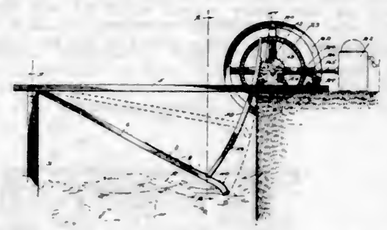
As a new article of manufacture, a clothes line prop comprising a rod having a flat top surface, an arcuate clearance space cut in the side of the said rod at the top edge thereof, a ring encompassing said rod adjacent the top edge, and said ring secured thereto by a plurality of staples, a confining hook having an eyelet formed at one end for pivotal engagement on said ring at the clearance point, said confining hook shaped to form an upwardly projecting loop for passage over the top surface of said rod and terminating in a depending handle parallel with the said rod, a screw hook secured in said rod for securing the said handle adjacent the end thereof, the space between said loop and said top surface being adapted to receive a clothes line therethrough.

1,586,491. SIGNAL FOR AUTOMOBILES. PETER F. VAN HALDER, Green Bay, Wis. Filed Sept. 24, 1924. Serial No. 739,576. 1 Claim. (Cl. 74—39.)



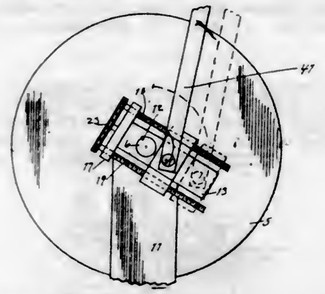
An actuating means for a signal comprising a mounting plate adapted to be secured against the inner face of a support, a bell-crank lever pivoted to said plate and having a horizontally extending arm and vertically extending arm, a flexible connecting member adapted to be passed through an opening in said support with its inner end secured to the horizontal arm of said lever and its outer end connected with the signal and a latch carried by said plate for engagement by the vertical arm of said lever to releasably retain the lever in a set position.

1,586,492. WAVE MOTOR. CONRAD VENTER, Denver, Colo. Filed May 1, 1925. Serial No. 27,250. 2 Claims. (Cl. 253—11.)



1. A wave motor comprising a supporting structure upstanding above the water in front of an obstruction at the edge of a body of water, a lift member comprising a pair of spaced arms pivotally supported at their outer ends on said supporting structure and depending inwardly and downwardly toward said obstruction, the inner ends of said arms being free to swing in an arc about the axial line of the pivotal supports of the outer ends of said arms, a lift plate secured on the inner end portions of said arms, a pinion rotatably supported on said obstruction, a rack bar pivotally attached at its lower ends to said lift member and having teeth for engaging with the teeth of the pinion during the upward stroke of the rack bar and for disengaging the teeth of the pinion during the downward stroke of the rack bar, the inner end portion of said plate and said supporting arms of the lift member being curved downwardly.

1,586,493. MECHANICAL MOVEMENT. BRUCE M. WALKER, Oakland, Calif. Filed Oct. 16, 1925. Serial No. 62,841. 1 Claim. (Cl. 74—38.)

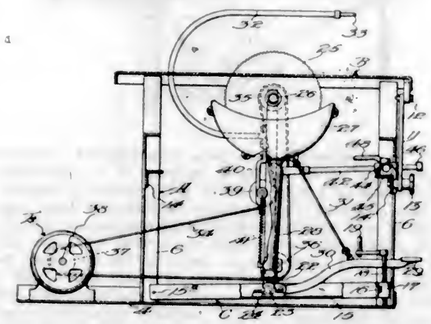


In a device of the character described, a rotating shaft, a block keyed to said shaft, a second block slidably positioned on said first mentioned block, a pair of parallel screws positioned adjacent the first mentioned block and passing through said second mentioned block, the upper extremities of said screws being rotatably secured within the head of said first mentioned block, a gear secured to each of said screws, a chain extending over said gears, a pair of bevel gears rotatably secured on said shaft, a third bevel gear meshing with said first mentioned bevel gears, means associated with said last mentioned gear for imparting rotation to said chain, and means for securing said spur gears independently against rotation.

1,586,494. SAWING MACHINE. FRED G. WALKER, Chicago, Ill., assignor to Jones Superior Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1925. Serial No. 23,556. 4 Claims. (Cl. 143—46.)

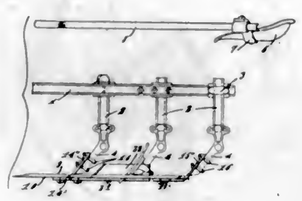
1. A sawing machine having a pivoted frame mounted to swing about a horizontal axis, a support pivoted at its

lower end to the frame, a saw mounted for rotation at the upper frame end, a belt connection extending downwardly from the saw and thence laterally to a power source, an idler pulley around which the belt travels at the point where its change in direction occurs, a movable mounting for the pulley carried by the saw support



permitting the pulley to utilize gravity forces to adjust itself as required to hold the belt taut irrespective of the position of the frame or saw support, and means acting in opposition to the pulley to sustain the support in a selected position of swinging adjustment, substantially as described.

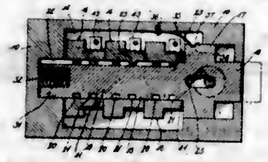
1,586,495. CULTIVATOR ATTACHMENT. JAMES N. WATTS, Clyde, Tex., assignor of one-half to Julian F. Bailey, Abilene, Tex. Filed July 10, 1925. Serial No. 42,747. 1 Claim. (Cl. 97—179.)



A device of the character set forth, comprising a pair of pointed cutting blades, an inwardly and upwardly extending arm adjustably secured adjacent each end of each blade to secure the blades in forwardly convergent relation beneath a cultivator, a hoe element comprising an elongated flat portion adjustably secured at one end to each blade and extending inwardly and rearwardly therefrom, and a back board extending vertically along the rear edge of each flat portion to cause earth to be worked inwardly toward a center row formed between the inner ends of the hoeing element.

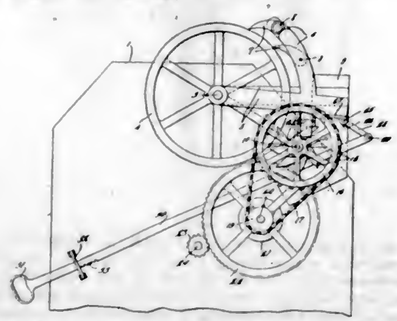
1,586,496. KEYLESS LOCK. MEADE WILDRICK, Savannah, Ga., assignor to W-H Keyless Lock Company, Limited, Honolulu, Territory of Hawaii, a Corporation of the Territory of Hawaii. Filed Nov. 4, 1924. Serial No. 747,777. Renewed Nov. 27, 1925. 12 Claims. (Cl. 70—53.)

1. In a keyless lock, a casing; a bolt member longitudinally slidably mounted in said casing, provided with a plurality of circumferential grooves arranged in pairs, and with a longitudinal keyway extending substantially the full length of said bolt, communicating with said



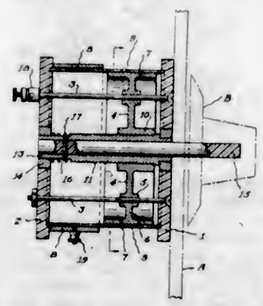
grooves; and permutation discs rotatably mounted on said bolt member, each provided with a lug adapted to ride in a pair of said grooves and in said keyway.

1,586,497. COTTON FEEDER. RALPH E. WILSON, Dallas, Tex. Filed Aug. 18, 1923. Serial No. 658,136. 1 Claim. (Cl. 74—54.)



In a device of the class described, a shaft, a ratchet wheel on the shaft, a radius arm mounted at one end to swing with the shaft as a center, a pawl mounted on the arm intermediate the ends of the arm and cooperating with the ratchet wheel, a cam supported for rotation and cooperating with the radius arm to impart swinging movement thereto, and means under the control of an operator for limiting the movement of the radius arm and for moving the radius arms out of engagement with the cam, said means embodying a lever fulcrumed intermediate its ends and engaged at one end with the radius arm, an operating member pivoted to the other end of the lever, and mechanism for holding the operating member in adjusted positions.

1,586,498. CONDENSER. SYDNEY K. WILSON, Philadelphia, Pa. Filed Jan. 26, 1925. Serial No. 4,883. 4 Claims. (Cl. 250—41.)



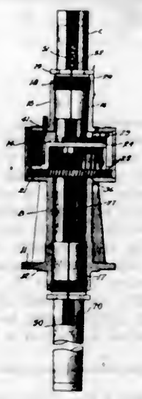
1. In a condenser for radio receiving structures, a front and back plate, a cylinder of dielectric material between said front and back plates, a stationary metal

cylinder surrounding substantially one-half of said dielectric cylinder, and a movable metal cylinder within the dielectrid cylinder for movement into or out of the stationary metal cylinder.

1,586,499. TOOTH EXERCISER. HERBERT A. WORTH, Long Beach, Calif., assignor of one-half to John Philip Crelly and Vernon L. Book, both of Long Beach, Calif. Filed May 14, 1924. Serial No. 713,192. 3 Claims. (Cl. 272—51.)

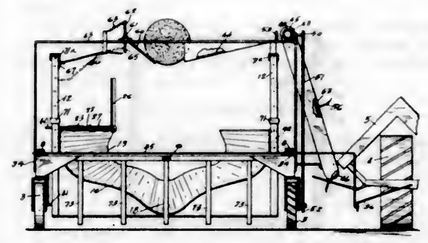
1. A tooth exerciser comprising an upper member, a lower member, said members being hingedly connected to each other, and adapted to be inserted in the mouth and resilient material carried by each of said members and formed to be engaged by a set of teeth, said resilient material projecting above said upper member and below said lower member and being readily removable from said members.

1,586,500. CYLINDER-BORING TOOL. ARTHUR S. BACON and GEORGE W. HUGHSON, Oakland, Calif. Filed Apr. 20, 1921. Serial No. 462,922. 25 Claims. (Cl. 77—2.)



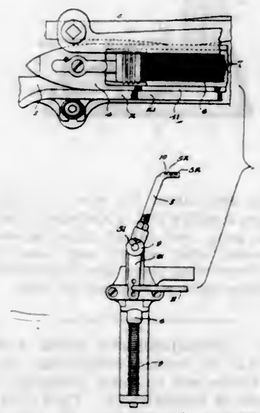
4. In a tool of the character described, a housing, a boring bar rotatably and longitudinally movable in the housing, a driving member splined on the bar, means for securing said driving member against longitudinal movement, and means confined within the housing and including friction driven means carried by the driving member for imparting a longitudinal movement to the bar, said friction driven means being reversible, and means projecting into the housing for intermittently actuating said friction driven means either in one direction or the other.

1,586,501. SHOCKER. BERT C. BERRY, Long Beach, Calif., assignor to Berry Shocker Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Feb. 21, 1921. Serial No. 446,843. 11 Claims. (Cl. 56—419.)



1. In a shocker, the combination of a main frame, supporting frame members pivoted forwardly to the main frame, a pan trunnioned between the supporting frame members, means for holding the supporting frame members in elevated position and adapted to permit lowering thereof, an arcuate tread member adapted to contact the ground when the supporting frame members are lowered for imparting rotation to the pan, means for elevating and delivering sheaves of grain to the pan, a gate for arresting the delivery of sheaves during the rotation of the pan, and trip mechanism adapted to be engaged by the tread member when elevated to hold the gate in open relation and adapted to be actuated to close the gate when the tread member is lowered and in ground contact, substantially as described.

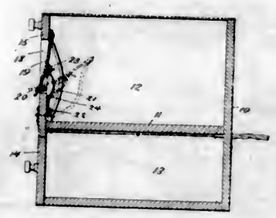
1,586,502. FEELER TIP FOR SIDE-SLIPPING FEELERS. JAMES F. HARTMAN, Fall River, Mass., assignor to The Stafford Company, Boston, Mass., a Corporation of Massachusetts. Filed June 29, 1923. Serial No. 648,485. 11 Claims. (Cl. 139—287.)



1. In filling-feeler mechanism for looms, a side-slipping feeler tip having teeth normally making engagement with the turns of filling upon the filling-carrier in a feeling

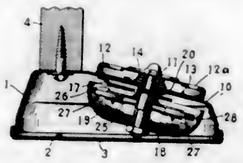
action and adapted to embed themselves among said turns, and non-metallic cushioning material disposed adjacent such teeth and adapted to make contact with turns projecting relative to the said teeth.

1,586,503. DOOR-OPERATED SWITCH. ENOCH WILLARD and ALBERT WILLARD, Pawnee, Okla. Filed June 14, 1924. Serial No. 720,043. 1 Claim. (Cl. 200—57.)



The combination with a receptacle having an opening, a metallic door for said opening, said door being connected in an electric circuit and forming the movable contact member of a circuit closer, a spring engageable with the door to yieldingly hold the latter in closed position, said spring being also connected in an electric circuit and forming a relatively stationary yieldable contact member for the circuit closer and an insulating block carried by the door and forming a bearing member for the spring when the door is closed to interrupt a circuit.

1,586,504. DIAL MECHANISM FOR TOY TELEPHONES. HAROLD D. ALLEN, East Hampton, Conn., assignor to Gong Bell Manufacturing Company, a Corporation of Connecticut. Filed Dec. 30, 1924. Serial No. 758,859. 7 Claims. (Cl. 46—46.)

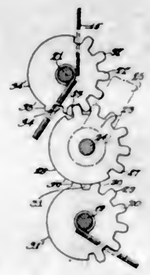


3. In a dial mechanism, for toys, in combination, a supporting plate, a rotary dial, a stationary gong, a rotary striker for the gong, and a gear train intermediate the striker and rotary dial, all of said parts operatively mounted on a supporting plate and co-operatively related to sound the gong upon rotation of the dial.

1,586,505. INTERLOCKING DOOR FOR WASTE CHUTES. GAIL D. BEAVER, Philadelphia, Pa., assignor to Haslett Chute and Conveyor Company, Oaks, Pa., a Corporation of Pennsylvania. Filed July 22, 1924. Serial No. 727,415. 20 Claims. (Cl. 193—34.)

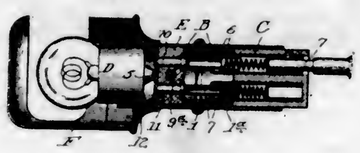
7. The combination of a chute, pivoted doors therein having parallel shafts, and means comprising gearing on the two shafts and gearing cooperating therewith for opening either door while holding the other door closed.

18. The combination of a chute, a branch chute thereto, inner and outer doors in the branch, common means for opening and closing the doors, operative with respect to



either door when the other is closed, and means, effective by reason of the positions of the doors, for locking the common means from moving either door unless the other door is closed.

1,586,506. ELECTRICAL CONNECTER. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1921. Serial No. 497,100. 1 Claim. (Cl. 173—346.)

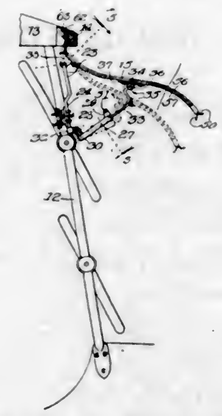


A device of the character set forth, comprising a shell provided at one end with bayonet slots and provided medially with a lateral segmental slot, a plug in the other end of the shell equipped at its inner end with a pair of spring-pressed contact plungers, a conductor connected with one of said contact plungers, a switch-disk equipped with a handle extending through said segmental slot, said switch-disk having contact posts extending through it and adapted to engage said contact plungers, said contact plungers serving to exert a balanced pressure against said switch-disk, and a contact plate connecting the front ends of said contact posts and adapted to bear centrally against a center contact of a lamp held by said bayonet slots.

1,586,507. VISOR. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1923. Serial No. 633,801. 6 Claims. (Cl. 296—95.)

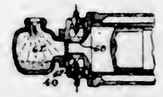
1. A device of the character set forth, comprising a visor, supporting standards adjacent the ends of the visor with their upper ends laterally offset, means pivoted to the upper ends of said standards for pivotally supporting the visor, means engaging said standards below said offset portions for supporting said standards, said standards being rotatably adjustable in said last named

means, and means for holding said visor in its different positions of adjustment about its pivotal support, comprising a brace formed of sections relatively adjustable



lengthwise thereof, one of said sections having universal-joint connection with the visor and a supporting device supported on said standard to be rotatably adjustable thereon and to which the other of said sections is pivoted.

1,586,508. APPARATUS FOR CHEMICAL PRODUCTION AND RESEARCH. MARCUS BRUTZKUS, Zurich, Switzerland. Filed Aug. 4, 1920, Serial No. 401,167, and in Germany Aug. 4, 1919. 6 Claims. (Cl. 23—252.)

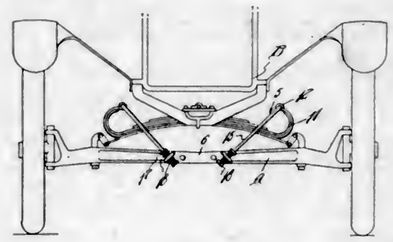


1. An apparatus for producing chemical materials, comprising, an externally driven compressor having a piston adapted to take in predetermined quantities of reagents, to compress the reagents up to the necessary pressure and temperature according to the chemical reactions involved, and after completion of the chemical reactions, to discharge the products, and to take in a new charge of materials to be acted on.

1,586,509. PROCESS OF TREATING CRUDE CYANIDE. ROLFE E. GLOVER, Jr., and THOMAS HUNTON ROGERS, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 12, 1921. Serial No. 451,768. 11 Claims. (Cl. 23—84.)

1. The process of treating a crude cyanide containing a soluble alkaline earth metal salt which comprises dissolving said salt and then immediately effecting precipitation of the alkaline earth metal.

1,586,510. SHOCK ABSORBER. CHARLES EDKER HOUX, Erick, Okla. Filed June 6, 1924. Serial No. 718,375. 3 Claims. (Cl. 267—28.)



1. A shock absorber for motor vehicles comprising clips adapted for connection with the front and rear axles of a motor vehicle, lugs formed on said clips, U-shaped connecting links including straight medial portions and spaced parallel limbs, the straight medial portions of the connecting links having pivotal connection with upturned ends of certain of the leaves of the vehicle springs, the spaced parallel limbs of the connecting links being slidably mounted in the lugs of the clips, and stops connected with the extremities of the limbs of the connecting links.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Electric & Manufacturing Company, The, Cleveland, Ohio. Motor-generator sets, battery chargers, electric hot plates, etc. 212,544; May 4; Serial No. 198,773; published Feb. 10, 1925.

Acme White Lead & Color Works, Detroit, Mich. Paints of all kinds, enamels, stains, and varnishes. 55,842; renewed Aug. 21, 1926.

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Internal remedy being a diuretic medicine. 54,556; renewed June 26, 1926.

Adayaka Laboratories, Newark, N. J. Piano and furniture polish. 212,523; May 4; Serial No. 221,685; published Jan. 12, 1926.

Albert Dickinson Company, The, Chicago, Ill. Pop corn. 55,801; renewed Aug. 21, 1926.

American Bank Protection Company, to O. B. McClintock Company, Minneapolis, Minn., successors. Electrical burglar alarms. 55,934; renewed Aug. 21, 1926.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Draperies in the piece of cotton, silk, and cotton and silk mixed. 212,481; May 4; Serial No. 174,122; published Feb. 23, 1926.

Apex Belt Co., Chicago, Ill. Belts for personal wear. 212,428; May 4; Serial No. 219,797; published Feb. 16, 1926.

Arbella Mfg. Co., New York, N. Y. Dandruff remedy. 212,517; May 4; Serial No. 225,823; published Feb. 23, 1926.

Arbuckle Bros., assignor to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill. Cocoa and preparations thereof. 52,053–4; renewed May 1, 1926.

Arbuckle Bros., assignor to Arbuckle Brothers, New York, N. Y.; Pittsburgh, Pa.; and Chicago, Ill. Teas. 54,198; renewed June 19, 1926.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 212,505; May 4; Serial No. 223,988; published Feb. 23, 1926.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 212,548; May 4; Serial No. 223,989; published Feb. 23, 1926.

Auto-Magic Fire Killer Co., The. (See Pratt, Ross H.)

Automotive Specialty Corporation, The, New York, N. Y. Repair and replacement parts. 212,467; May 4; Serial No. 202,273; published Oct. 21, 1924.

Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyestuff. 52,223–40; renewed May 1, 1926.

Bailey, Edward W., Pittsburgh, Pa. Hairdressing. 212,384; May 4; Serial No. 224,047; published Feb. 9, 1926.

Bakelite Corporation, New York, N. Y. Frames and ornaments for pocketbooks and hand bags and harness buckles and trimmings. 212,391; May 4; Serial No. 222,153; published Jan. 26, 1926.

Bakelite Corporation, New York, N. Y. Cash boxes, acid-proof containers, vanity boxes, etc. 212,420; May 4; Serial No. 222,422; published Feb. 9, 1926.

Bakelite Corporation, New York, N. Y. Grinding and cutting wheels. 212,472; May 4; Serial No. 222,423; published Feb. 2, 1926.

Bakelite Corporation, New York, N. Y. Billiard balls, bowling balls, fishing reels, etc. 212,509; May 4; Serial No. 222,154; published Feb. 2, 1926.

Bakelite Corporation, New York, N. Y. Picture frames, chair arms, drawer pulls and knobs. 212,522; May 4; Serial No. 221,586; published Jan. 5, 1926.

Baker Castor Oil Company, The, New York, N. Y. Castor oil. 212,486; May 4; Serial No. 216,962; published Feb. 23, 1926.

Balata, Victor, & Textile Belting Co., New York, N. Y., and Easton, Pa. Transmission belts. 212,569; May 4.

Balston, Richard J., assignor to W. & R. Balston, Limited, Springfield Mills, Maidstone, England. Writing and drawing papers. 55,304–5; renewed Aug. 14, 1926.

Barber, A. Duncan, et al., joint executors. (See Wardlow, S. & C.)

Barber Asphalt Company, The, Philadelphia, Pa. Refrigerators and refrigerating machines. 212,404–5; May 4; Serial Nos. 225,860–1; published Feb. 23, 1926.

Bartz, Wygant & Brown, Hornellsville, assignor to The A. J. Deer Company, Inc., Hornell, N. Y. Electric motors. 50,639; renewed Mar. 27, 1926.

Bayer Company, Inc., The, New York, N. Y. Veterinary products, such as remedies, antiseptics, etc. 212,490; May 4; Serial No. 212,230; published Feb. 23, 1926.

Beard Laboratories, Inc., Fort Smith, Ark. Compound for treating dyspepsia. 212,518; May 4; Serial No. 225,760; published Feb. 23, 1926.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Salted and boneless fish. 52,144; renewed May 1, 1926.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Salted and boneless codfish. 52,145; renewed May 1, 1926.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Salted and boneless fish. 54,554; renewed June 26, 1926.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Shredded codfish. 55,755; renewed Aug. 21, 1926.

Bedell Company, The, New York, N. Y. Certain named clothing. 56,317; renewed Sept. 11, 1926.

Beiersdorf, P., & Co., Hamburg-Elmsbuttel, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Plasters and salves. 55,658; renewed Aug. 21, 1926.

Belton Mills, Belton, S. C. Sheetings. 55,966; renewed Aug. 21, 1926.

Bemis Bro. Bag Company, St. Louis, Mo. Canvas tubing which is principally used for ventilating purposes in mines. 212,538; May 4; Serial No. 224,171; published Feb. 2, 1926.

Bennett, John E., San Francisco, Calif. Bath salts. 212,492; May 4; Serial No. 210,113; published May 26, 1925.

Bennington Wax Paper Company, Bennington, Vt. Wax paper, wax lunch rolls, etc. 212,533; May 4; Serial No. 223,763; published Jan. 12, 1926.

Bischoff, Frederick, New York, to Standard Hom. Globule & Disk Co., Inc., Brooklyn, N. Y., successor. Certain named medicines. 55,885; renewed Aug. 21, 1926.

Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods manufactured in the piece. 212,528; May 4; Serial No. 225,641; published Feb. 23, 1926.

Borgfeldt, Geo., & Co., New York, N. Y. Toy figures. 212,534; May 4; Serial No. 223,996; published Feb. 23, 1926.

Boye, James H., Manufacturing Co., Chicago, Ill. Metal curtain rods. 212,411; May 4; Serial No. 224,650; published Feb. 23, 1926.

Bradham Drug Company, New Bern, N. C. Medicine for use in the treatment of rheumatism, backache, and colds. 212,379; May 4; Serial No. 224,803; published Feb. 9, 1926.

Brier Hill Collieries, The, Portland, Me., and Nashville and Crawford, Tenn. Coal. 212,567; May 4.

Brunner, Mond & Co., Limited, Northwich, England. Chemicals. 54,612; renewed June 26, 1926.

Brunner, Mond & Co. Limited, Northwich, England. Ammonium chloride. 54,966; renewed Aug. 7, 1926.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 212,477; May 4; Serial No. 213,480; published Feb. 23, 1926.

Buhring Water Purifying Co. (See Hennings, Oscar.)

Buteau, Mary A., doing business as G. H. Buteau & Co., Valley Stream, N. Y. Breath tablets. 212,309; May 4; Serial No. 225,254; published Feb. 16, 1926.

Cafolin Co. Limited, The, London, England. Coffee extract. 54,159; renewed June 19, 1926.

Cardone, Generous, doing business as Pal-O-Mine Manufacturing Company, Brooklyn, N. Y. Hairdressing cream. 212,367; May 4; Serial No. 225,347; published Feb. 16, 1926.

Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper. 212,554; May 4.

Carter, J. W., Company, Nashville, Tenn. Boots and shoes. 212,408; May 4; Serial No. 225,113; published Feb. 16, 1926.

Casnati, Lola A., New York, N. Y. Hair tonic and face lotion. 212,496; May 4; Serial No. 205,741; published Feb. 23, 1926.

Catterlin, Francis J., Los Angeles, Calif. Toy hobby-horses for children. 212,407; May 4; Serial No. 225,220; published Feb. 23, 1926.

Chalmers, David W., et al., receivers. (See Chalmers Knitting Company.)

Chalmers Knitting Company, to David W. Chalmers and John B. Johnston, receivers in equity of Chalmers Knitting Company, Amsterdam, N. Y., successor. Cotton, wool, silk, and linen underwear. 48,473; renewed Jan. 2, 1926.

Chase Bag Co., New York, N. Y. Twine, cordage, and thread for closing bags. 212,524; May 4; Serial No. 226,044; published Feb. 23, 1926.

Chase Bag Co., New York, N. Y. Twine, cordage, and thread for closing bags. 212,525; May 4; Serial No. 226,042; published Feb. 23, 1926.

Chemical Foundation, Incorporated, The. (See Actien-Gesellschaft für Anilin-Fabrikation, assignor.)

Chemical Foundation, Incorporated, The. (See Badische Anilin- & Soda-Fabrik, assignor.)
Chemical Foundation, Incorporated, The. (See Beiersdorf, P., & Co., assignor.)
Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)
Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics. 212,527; May 4; Serial No. 225,647; published Feb. 23, 1926.
Chicago Flexible Shaft Company, Chicago, Ill. Horse clippers and sheep shears. 56,156; renewed Aug. 28, 1926.
Chicago Spring Hinge Company, Chicago, Ill. Hinges. 212,396; May 4; Serial No. 207,967; published Feb. 23, 1926.
Chicago Varnish Co., Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnishes, stains, japans, and surfacers. 54,001; renewed June 19, 1926.
Climax Engineering Co., Clinton, Iowa. Mechanical refrigerating units and compressors therefor and parts thereof. 212,435; May 4; Serial No. 213,225; published Feb. 23, 1926.
Coe, W. H., Mfg. Co., Providence, R. I. Gilding tools. 56,108; renewed Aug. 21, 1926.
Coley, Elizabeth A., Hawthorne, Calif. Salve for the treatment of burns, sprains, etc. 212,387; May 4; Serial No. 223,767 published Feb. 16, 1926.
Colgate & Company, Jersey City, N. J. Dental cream. 212,500; May 4; Serial No. 222,312; published Feb. 23, 1926.
Colgate & Company, Jersey City, N. J. Talc powder, perfumes, toilet water, and face powder. 212,537; May 4; Serial No. 222,311; published Feb. 23, 1926.
Connell, Edward J., New Orleans, La. Blood preparation for the treatment of carbuncles, boils, pimples, and such like ailments. 212,378; May 4; Serial No. 224,810; published Feb. 9, 1926.
Cooper Underwear Company, Kenosha, Wis. Knit undershirts and drawers. 54,890; renewed July 31, 1926.
Copeman, Lloyd G., Flint, Mich. Refrigerators. 212,501; May 4; Serial No. 223,689; published Feb. 23, 1926.
Cotter, R. E., Company, San Francisco, Calif. Canned fruit. 212,570–1; May 4.
Crossley, A. R., doing business as The Home Comfort Mfg. Co., Houston, Tex. Insecticides. 212,375; May 4; Serial No. 224,862; published Feb. 16, 1926.
Crown Willamette Paper Company, assignor to Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 212,521; May 4; Serial No. 224,179; published Feb. 23, 1926.
Cummings Corporation, Camden, N. J., and Philadelphia, Pa. Candy mixture. 212,568; May 4.
D M O Gum Machine Company, Los Angeles, Calif. Chewing gum. 212,422; May 4; Serial No. 221,600; published Feb. 23, 1926.
Davis, Charles V., doing business as Santa Ana Soda and Bottling Co., Santa Ana, Calif. Nonalcoholic maltless beverages and extracts and sirups for making same. 212,555; May 4.
Davis, Thomas, Far Rockaway, N. J. Hair and skin pomade. 212,502; May 4; Serial No. 223,770; published Feb. 9, 1926.
Deer, A. J., Company. (See Bartz, Wygant & Brown, assignor.)
De Marinis & Lorie, Inc., New York, N. Y. Ladies' hats. 212,499; May 4; Serial No. 223,286; published Feb. 16, 1926.
Diamond Chain and Manufacturing Company, Indianapolis, Ind. Repair links for link chains. 54,703; renewed June 26, 1926.
Dickinson, Albert, Company, The, Chicago, Ill. Grass, grain, timothy, clover, hemp, canary, and rape seeds. 51,979; renewed May 1, 1926.
Dietz, R. E., Company, New York, N. Y. Tubular lamps and lanterns and parts thereof. 56,291; renewed Sept. 4, 1926.
Directors of Maryville College, The, Maryville, Tenn. Bungalow aprons, dresses, slip-overs, waists. 212,465; May 4; Serial No. 206,884; published Feb. 9, 1926.
Dolan Mercantile Co., The, Atchison, Kans. Rice. 52,515; renewed May 8, 1926.
Doty Fish Company, Inc., The, Kalama, Wash. Frozen fish. 212,559; May 4.
Duncan, Fay B., doing business as Mar-Les Polish Co., Hoquiam, Wash. Furniture polish. 212,431; May 4; Serial No. 218,746; published Feb. 16, 1926.
Du Pont, E. I., de Nemours and Company. (See Chicago Varnish Co., assignor.)
Durand-McNeil-Horner Co., Chicago, Ill. Canned vegetables, fish, and soup, tea, coffee, jelly, and malt extract. 212,470; May 4; Serial No. 191,819; published Sept. 1, 1925.
Dye and Chemical Company of Canada, Limited, Kingston, Ontario, Canada. Pigments for use in painting fabrics, glass, etc. 212,455; May 4; Serial No. 218,475; published Feb. 16, 1926.
Eagle, J. H. & C. K., Inc., by change of name C. K. Eagle and Company, Inc., Shamokin, Pa., and New York, N. Y. Silk textiles in the piece. 212,476; May 4; Serial No. 215,777; published Feb. 23, 1926.
Easley Cotton Mills, Easley, to Easley Cotton Mills, Greenville, S. C. Sheetings and drills. 51,521; renewed Apr. 17, 1926.
Edward Shoe Corporation, New York, N. Y. Shoes. 212,562; May 4.
Edwards, Olga, doing business as Imperial Fruit Products Co., Los Angeles, Calif. Nonalcoholic maltless beverages and sirups and extracts used in making the same. 212,557; May 4.
Egan, H. B., & Co., Muskogee, Okla. Penumatic-tire inner-tube patches. 212,511; May 4; Serial No. 223,003; published Feb. 23, 1926.
Elbar Laboratories. (See Lyndall, Frank S.)
Elco Paint Products, Inc., New York, N. Y. Paint enamels, flat white, varnishes, etc. 212,433; May 4; Serial No. 215,511; published Feb. 9, 1926.
Engebretson-Grupe Co., Meloland, Calif. Fresh lettuce. 212,452; May 4; Serial No. 220,769; published Feb. 23, 1926.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 212,397; May 4; Serial No. 207,718; published Feb. 23, 1926.
Enterprise Manufacturing Company, The, Akron, Ohio. Chain stringers for fish. 212,398; May 4; Serial No. 207,714; published Feb. 23, 1926.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 212,399; May 4; Serial No. 207,713; published Feb. 23, 1926.
Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Antiseptics and deodorants. 52,135; renewed May 1, 1926.
Firth-Sterling Steel Company, Pittsburgh, to Firth-Sterling Steel Company, McKeesport, Pa. Magnet steel. 55,080; renewed Aug. 7, 1926.
Foley Bros. Grocery Co., St. Paul, Minn. Food-flavoring extracts, tea, coffee, etc. 212,423; May 4; Serial No. 221,249; published Feb. 16, 1926.
Foster-McClellan Co., Buffalo, N. Y. Ointments. 55,606; renewed Aug. 21, 1926.
Fougera, E., & Co., Inc., New York, N. Y. Liniment and analgesic used externally. 212,515–16; May 4; Serial Nos. 225,826–7; published Feb. 23, 1926.
Franklin Baker Company, Hoboken, N. J. Prepared cocoanut. 212,469; May 4; Serial No. 197,753; published Aug. 4, 1925.
Frost, George, Company, Boston, Mass. Men's garters. 212,410; May 4; Serial No. 224,660; published Feb. 9, 1926.
Fulton Company, The, Knoxville, Tenn. Heat regulators for use on boilers, furnaces, and stoves. 53,173; renewed May 29, 1926.
Gardco Paint Products Company, Chicago, Ill. Metal paint. 212,429; May 4; Serial No. 218,850; published Jan. 5, 1926.
Geisel, Walter H., Washington, D. C. Engraved or printed stationery. 212,563; May 4.
Girl Scouts, New York, N. Y. Belts and scarfs for personal wear, shoulder straps, chevrons, etc. 212,451; May 4; Serial No. 206,967; published Mar. 2, 1926.
Glass, Henry, & Co., New York, N. Y. Cotton piece goods, silk and cotton piece goods, and artificial-silk and cotton piece goods. 212,550; May 4.
Goldberg, Isidor, doing business as National Garter Co., New York, N. Y. Garters, arm bands, etc. 212,489; May 4; Serial No. 213,568; published Feb. 16, 1926.
Golden Rule Company, The, Boston, Mass. Magazines. 55,381; renewed Aug. 14, 1926.
Goodling, Daniel W., doing business as The Keystone Hatchery, Richfield, Pa. Live chicks. 212,460; May 4; Serial No. 213,499; published Feb. 23, 1926.
Goodling, Daniel W., doing business as The Keystone Hatchery, Richfield, Pa. Live poultry. 212,461; May 4; Serial No. 212,380; published Feb. 23, 1926.
Goodyear Tire and Rubber Company, The, Akron, Ohio. Rubber hose. 212,545; May 4; Serial No. 187,516; published Feb. 23, 1926.
Gorham Rubber Company, San Francisco, Calif., assignor, by mesne assignments, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber belting. 52,068; renewed May 1, 1926.
Gorham Rubber Company, San Francisco, Calif., assignor to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber packing. 52,268; renewed May 8, 1926.
Gorham Rubber Company, San Francisco, Calif., assignor, by mesne assignments, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber hose. 54,550; renewed June 26, 1926.
Green, Beckman B., Courtland, Calif. Fresh pears. 212,444; May 4; Serial No. 224,019; published Feb. 23, 1926.
Groat, H. S., & Company, Seattle, Wash. Fresh apples. 212,447; May 4; Serial No. 223,713; published Feb. 23, 1926.
Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa. Steel receivers for compressed gases and parts therefor. 212,415; May 4; Serial No. 224,244; published Feb. 23, 1926.
Hardy, L., Company, Worcester, Mass. Shaving and whitening blades. 56,070; renewed Aug. 21, 1926.
Harvey, Mrs. Alberta V., Galveston, Tex. Doll clothes. 212,504; May 4; Serial No. 223,917; published Feb. 23, 1926.
Hassel, Frank, doing business as The Mid-West Creamery, Plainview, Tex. Ice cream. 212,459; May 4; Serial No. 215,629; published Feb. 16, 1926.

Heil, Henry, Chemical Company, St. Louis, Mo. Liquid medicinal preparation. 50,270; renewed Mar. 6, 1926.
Heine, Harry, New York, N. Y. Rubber stamps. 212,560; May 4.
Helsingborgs Gummifabriks Aktiebolag, Helsingborg, Sweden. Galoshes, snow boots, bootees, etc. 212,493–4; May 4; Serial Nos. 209,789–90; published Feb. 23, 1926.
Hennings, Oscar, doing business as Buhring Water Purifying Co., New York, N. Y. Water purifiers of the carbon block and charcoal type. 212,506; May 4; Serial No. 222,677; published Feb. 23, 1926.
Hoffman, George W., assignor to George William Hoffman Co., Indianapolis, Ind. Compound for polishing. 55,855; renewed Aug. 21, 1926.
Home Comfort Mfg. Co., The. (See Crossley, A. R.)
Hood Rubber Co., Boston, to Hood Rubber Company, Watertown, Mass. Rubber boots and shoes. 55,075; renewed Aug. 7, 1926.
Hower, Harry C., Chicago, Ill. Automobile tires and tubes. 212,547; May 4; Serial No. 169,853; published Feb. 23, 1926.
Ichthyolitic Products Corporation of America, New York, N. Y. Soluble sulphonated hydrocarbon preparation. 212,512; May 4; Serial No. 223,787; published Feb. 23, 1926.
Ichthyolitic Products Corporation of America, New York, N. Y. Soluble sulphonated hydrocarbon. 212,539 40; May 4; Serial Nos. 223,785–6; published Feb. 23, 1926.
Imperial Fruit Products Co. (See Edwards, Olga.)
International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 212,406; May 4; Serial No. 225,308; published Feb. 16, 1926.
Ivanhoe Fruit Association, Ivanhoe, Calif. Fresh deciduous fruits and fresh grapes. 212,463; May 4; Serial No. 208,404; published May 19, 1925.
Jackson, Lars, doing business as The Lars Jackson Co., Brooklyn, N. Y. Ready-mixed paint. 212,536; May 4; Serial No. 224,095; published Jan. 26, 1926.
Janssen, B. H., assignor to Janssen Piano Co. Inc., New York, N. Y. Pianos. 56,243; renewed Sept. 4, 1926.
Jenkins, Alfred B., New York, N. Y., and Boston, Mass., assignor to Jenkins Bros., New York, N. Y. Rubber packing, disks, rings, and washers. 54,081; renewed June 19, 1926.
Jenkins, Alfred B., New York, N. Y., and Boston, Mass., assignor to Jenkins Bros., New York, N. Y. Rubber packing, gaskets, disks, rings, and washers. 54,209; renewed June 19, 1926.
Johns-Manville, Incorporated, New York, N. Y. Flax packing for glands, stuffing boxes, etc. 212,510; May 4; Serial No. 221,970; published Jan. 12, 1926.
Johnston, John B., et al., receivers. (See Chalmers Knitting Company.)
Johnstone Laboratories, Inc., New York, N. Y. Laxative tablets. 212,372; May 4; Serial No. 224,915; published Feb. 16, 1926.
Jones, Paul S., Co. (See Mawhinney Last Company.)
K. C. Chemical Company, Kansas City, Mo. Tire patches. 212,393; May 4; Serial No. 221,260; published Feb. 16, 1926.
Kastor, Adolph, & Bros., New York, N. Y. Scissors. 52,666; renewed May 15, 1926.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Mattresses, pillows, bolsters, box springs, etc. 212,564; May 4, 1926.
Keene, Foxhall P., Monkton, Md. Pickles. 212,439; May 4; Serial No. 224,705; published Feb. 16, 1926.
Kent, George E., Toronto, Ontario, Canada. Match strikers. 212,434; May 4; Serial No. 214,798; published Dec. 1, 1925.
Keystone Hatchery, The. (See Goodling, Daniel W.)
King, H. H., Flour Mills Company. (See Sheffield-King Milling Co., assignor.)
Klearflax Linen Looms, Inc., The, Duluth, Minn. Rugs and carpets of textile fabrics. 212,479; May 4; Serial No. 206,530; published Mar. 2, 1926.
Klearflax Linen Looms, Inc., The, Duluth, Minn. Rugs and carpets of textile material. 212,480; May 4; Serial No. 205,071; published Mar. 2, 1926.
Klopfenstein, Arthur L., doing business as Star Billiard Company, Fort Wayne, Ind. Razor-strop dressing. 212,530; May 4; Serial No. 224,766; published Feb. 9, 1926.
Kohler Manufacturing Company, Baltimore, Md. Corn salve. 44,760; renewed Aug. 21, 1926.
Kohler Manufacturing Company, Baltimore, Md. Medical preparation for the cure of headache and neuralgia. 56,140; renewed Aug. 28, 1926.
Krank, A. J., Mfg. Co., St. Paul, Minn. Hair tonic. 212,546; May 4; Serial No. 169,884; published Feb. 23, 1926.
Krank, Alfred J., St. Paul, Minn. Shoe polish and shaving cream. 212,565; May 4.
Lacquer & Chemical Corporation, Brooklyn, N. Y. Lacquers, lacquer solvents, spirit varnishes, etc. 212,432; May 4; Serial No. 216,414; published Feb. 2, 1926.
Lehmann-Higginson Grocer Company, The, Wichita, Kans. Jelly, canned fruits, vegetables, and fish, vinegar, peanut butter, coffee, and breakfast cereals. 212,549; May 4.
Lesquendieu, Inc., New York, N. Y. Lip sticks. 212,382; May 4; Serial No. 224,775; published Feb. 9, 1926.

London Button Co., Inc., New York, N. Y. Vegetable-ivory buttons. 212,457; May 4; Serial No. 216,684; published Feb. 23, 1926.
Long's Hat Stores, New York, N. Y. Men's hats. 212,487; May 4; Serial No. 216,192; published Feb. 16, 1926.
Louderbough, Harry, assignor to New Jersey Paint Works, Harry Louderbough, Inc., Jersey City, N. J. Marine paint. 54,432–3; renewed June 26, 1926.
Lyndall, Frank S., doing business as Elbar Laboratories and also as El Bar Chemical Co., Chicago, Ill. Polishes. 212,508; May 4; Serial No. 222,263; published Jan. 12, 1926.
Lysol, Incorporated. (See Schülke & Mayr, assignor.)
Maclin-Zimmer-McGill Tobacco Co. Incorporated. (See Zimmer & Co. Inc., assignor.)
Mandall & Co., Limited, Newcastle-on-Tyne, England. Remedy for the treatment of coughs, colds, and other pulmonary ailments. 212,474–5; May 4; Serial Nos. 220,198–9; published Feb. 23, 1926.
Marietta Paint & Color Company, The, Marietta, Ohio. Enamels. 212,417; May 4; Serial No. 224,196; published Jan. 26, 1926.
Mar-Les Polish Co. (See Duncan, Fay B.)
Martin Deutsch Co. Inc., New York, N. Y. Ladies' hats. 212,519; May 4; Serial No. 224,414; published Feb. 23, 1926.
Martin, Louis L., Toronto, Ontario, Canada. Toy play ball made of celluloid. 212,412; May 4; Serial No. 224,341; published Feb. 23, 1926.
Mass, Nathaniel J., doing business as Mass Manufacturing Company, New York, N. Y. Hats for women, misses, and children. 212,561; May 4.
Mawhinney Last Company, doing business as Paul S. Jones Co., Brockton, Mass. Toy mechanical dogs. 212,418; May 4; Serial No. 223,400; published Feb. 2, 1926.
Mawhinney Last Company, doing business as Paul S. Jones Co., Brockton, Mass. Toy mechanical dogs. 212,419; May 4; Serial No. 223,399; published Jan. 26, 1926.
McClintock, O. B., Company. (See American Bank Protection Company.)
McComb Coffee Company, McComb, Miss. Coffee and tea. 212,440; May 4; Serial No. 224,570; published Feb. 23, 1926.
Mechanical Rubber Co., The, New York, N. Y., to The Mechanical Rubber Company, New York, N. Y.; Cleveland, Ohio; and Chicago, Ill. Piston rod and joint packings. 56,157; renewed Aug. 28, 1926.
Menasha Printing and Carton Company, Menasha, Wis. Empty paper containers and cartons for ice cream and similar products. 212,413–14; May 4; Serial Nos. 224,285–6; published Feb. 23, 1926.
Mid-West Creamery, The. (See Hassel, Frank.)
Miklos & Hershey, Inc., New York, N. Y. Hats for men, women, and children. 212,482; May 4; Serial No. 220,786; published Feb. 16, 1926.
Miller, Ewart S., doing business as E. S. Miller Laboratories, Los Angeles, Calif. Medicine for the treatment of syphilis, malaria, etc. 212,374; May 4; Serial No. 224,877; published Feb. 16, 1926.
Miller, J. P., Missoula, Mont. Pile salve. 212,483; May 4; Serial No. 220,152; published Feb. 9, 1926.
Miller Lock Company, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locks, padlocks, and keys. 56,394; renewed Sept. 18, 1926.
Miller Packing Co., Oakland, Calif. Picnic hams, lard, bacon, smoked hams, pickled hams, etc. 212,558; May 4.
Milliken, John T., & Company, St. Louis, Mo. Liquid antiseptic preparation, throat tablets, hydrogen peroxide, etc. 212,390; May 4; Serial No. 222,990; published Feb. 9, 1926.
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Liquid paints and paint enamels. 212,503; May 4; Serial No. 223,890; published Jan. 19, 1926.
Moore Mills, Inc., Cowpens, S. C. Bedspreads. 212,532; May 4; Serial No. 224,416; published Feb. 23, 1926.
Morgan, John C., Company, Traverse City, Mich. Canned fruits and vegetables. 212,466; May 4; Serial No. 205,022; published Feb. 23, 1926.
Morse, J. Watson, doing business as Morseal Roof Paint Company, Washington, D. C. Roof paint. 212,430; May 4; Serial No. 218,822; published Jan. 5, 1926.
Morseal Roof Paint Company. (See Morse, J. Watson.)
Murphy Gorman Company, Danbury, Conn. Men's soft felt, stiff felt, and velour hats. 212,535; May 4; Serial No. 224,033; published Feb. 16, 1926.
National Casket Co., assignor to National Casket Company, Incorporated, Oneida, N. Y. Burial caskets, coffins, and fixtures therefor. 54,047; renewed June 19, 1926.
National Cloak & Suit Co., New York, N. Y. Automobile tires and inner tubes. 212,371; May 4; Serial No. 225,199; published Feb. 26, 1926.
National Garter Co. (See Goldberg, Isidor.)
Nelson-Dashiell Company, The, Baltimore, Md. Candy. 212,462; May 4; Serial No. 208,531; published Apr. 14, 1925.
New Bedford Cordage Company, New York, N. Y. Cordage—namely, ropes, twine, and cord. 212,529; May 4; Serial No. 225,375; published Feb. 23, 1926.
New Jersey Paint Works, Harry Louderbough, Inc. (See Louderbough, Harry, assignor.)

Newman, L., & Sons, Inc., New York, N. Y. Corselettes, brassières, and bandeaux. 212,478; May 4; Serial No. 209,807; published Feb. 23, 1926.
New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 50,075–7; renewed Mar. 6, 1926.
New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 51,449–50; renewed Apr. 17, 1926.
New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 51,475; renewed Apr. 17, 1926.
New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 53,442; renewed June 5, 1926.
New York Consolidated Card Company, The, Long Island City, N. Y. Playing cards. 54,623; renewed June 26, 1926.
Nichols, Drusus H., Cleveland, Ohio. Books and circulars. 212,403; May 4; Serial No. 187,480; published Jan. 20, 1925.
Ohmer Fare Register Company, Dayton, Ohio. Mileage, time, and speed recording instruments, etc. 212,445; May 4; Serial No. 223,936; published Feb. 9, 1926.
Oldham, Joshua, and Sons, assignor, by mesne assignments, to Joshua Oldham Manufacturing Company, Brooklyn, N. Y. Circular, band, hand, and crosscut saws. 54,874; renewed July 31, 1926.
Oldham, Joshua, & Sons, assignor, by mesne assignments, to Joshua Oldham Manufacturing Company, Brooklyn, N. Y. Circular, band, hand, and crosscut saws. 55,503; renewed Aug. 14, 1926.
Out West Manufacturing Co., Denver, Colo. Rubber tire patches, inner-tube patches, etc. 212,389; May 4; Serial No. 223,401; published Feb. 23, 1926.
Pacific Mills, Lawrence, to Pacific Mills, Boston, Mass. Printed cotton fabrics. 55,006; renewed Aug. 7, 1926.
Pacific Mills, Lawrence, to Pacific Mills, Boston, Mass. Wool and cotton piece goods. 55,704; renewed Aug. 21, 1926.
Pal O-Mine Manufacturing Company. (See Cardone, Generous.)
Paris Laboratories, New York, N. Y. Face powders, creams, and packs, rouges, etc. 212,370; May 4; Serial No. 225,202; published Feb. 16, 1926.
Parker Pen Co., The, Janesville, Wis. Fountain pens. 212,400; May 4; Serial No. 207,255; published May 5, 1925.
Parks Bros. & Rogers, assignor to Parks Bros. & Rogers Inc., Providence, R. I. Sleeve buttons, collar buttons, and studs. 51,701–2; renewed Apr. 24, 1926.
Pieratt, Green B., Chicago, Ill. Candy. 212,453; May 4; Serial No. 220,570; published Feb. 23, 1926.
Pioneer Rubber Mills, San Francisco, Calif. Piston packing. 212,495; May 4; Serial No. 207,144; published Feb. 2, 1926.
Pratt, Ross H., doing business as The Auto-Magic Fire Killer Co., Washington, D. C. Chemical compound in powder form for extinguishing fires. 212,368; May 4; Serial No. 225,278; published Feb. 16, 1926.
Radium Remedies Company, Helena, Mont. Preparation for pyorrhea. 212,394; May 4; Serial No. 213,146; published Dec. 29, 1925.
Rahtjen's American Composition Company, assignor to Red Hand Compositions Company Inc., New York, N. Y. Anticorrosive and antifouling paints. 55,908; renewed Aug. 21, 1926.
Ramelite Waterproofing Co. (See Schmitt, Joseph L.)
Read Drug & Chemical Co., The, Baltimore, Md. Face powders, toilet waters, rouges, perfumes, etc. 212,381; May 4; Serial No. 224,780; published Feb. 9, 1926.
Red Hand Compositions Company Inc. (See Rahtjen's American Composition Company, assignor.)
Reed & Carnrick, Jersey City, N. Y. Antidyspeptic preparation. 212,380; May 4; Serial No. 224,781; published Feb. 9, 1926.
Reliable Cement Products Company, The, Cleveland, Ohio. Laundry trays. 212,427; May 4; Serial No. 220,573; published Feb. 23, 1926.
Reymer & Brothers, Inc., Pittsburgh, Pa. Cigars 55,550; renewed Aug. 14, 1926.
Reynolds, Bion F., assignor to Bion F. Reynolds Co., Brockton, Mass. Leather boots and shoes. 51,198; renewed Apr. 10, 1926.
Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. 54,291; renewed June 26, 1926.
Rich, M., & Bros. Co., Atlanta, Ga. Cotton and silk piece goods. 212,523; May 4; Serial No. 225,733; published Feb. 23, 1926.
Richmond Hosiery Mills, Rossville, Ga. Hosiery and knitted and netted underwear. 212,543; May 4; Serial No. 199,325; published Feb. 23, 1926.
Ridenour-Baker Grocery Company, Kansas City, Mo. Food sirups. 212,458; May 4; Serial No. 216,219; published Feb. 9, 1926.
Ridgewood Fruit Growers, Inc., Winchester, Va. Fresh apples and apple products. 212,468; May 4; Serial No. 200,461; published Feb. 16, 1926.
Rieger, Paul, & Co., San Francisco, Calif. Perfume, toilet water, face powder, talcum, and rouge. 212,491; May 4; Serial No. 211,543; published Feb. 9, 1926.
Roberts Brothers, Incorporated, Baltimore, Md. Canned fruits and vegetables. 212,553; May 4.
Rosenstein, William, & Co., doing business as Weltan Shoe Co., Baltimore, Md. Shoes. 212,520; May 4; Serial No. 224,362; published Feb. 23, 1926.
Rowland, James, & Company, New York, N. Y. Butter. 5,870; renewed Aug. 21, 1926.
Royalty Sales Company, The, Washington, D. C. Liniment. 212,385; May 4; Serial No. 224,626; published Feb. 9, 1926.
Ruppert, Jacob, assignor to Jacob Ruppert, New York, N. Y. Beer. 55,161; renewed Aug. 7, 1926.
Rusby, Henry H., New York, N. Y. Nonalcoholic, maltless beverage sold as a soft drink. 212,507; May 4; Serial No. 222,580; published Feb. 23, 1926.
St. Mary's Mill Company, St. Marys, Mo. Wheat flour. 55,191; renewed Aug. 7, 1926.
St. Mary's Mill Company, St. Marys, Mo. Wheat flour. 55,624; renewed Aug. 21, 1926.
Santa Ana Soda and Bottling Co. (See Davis, Charles V.)
Santa Fe Builders Supply Company, Santa Fe, N. Mex. Paints, varnishes, stains, and enamels. 212,425–6; May 4; Serial Nos. 220,920–1; published Jan. 12, 1926.
Schaefer, Chas., & Son, doing business as Vitality Salt Co., Brooklyn, N. Y. Bath salts. 212,392; May 4; Serial No. 221,727; published Feb. 9, 1926.
Schanzenbach, John, doing business as State Importing & Sales Co., New York, N. Y. Manicure preparations, cuticle remover, cuticle salve, etc. 212,383; May 4; Serial No. 224,729; published Feb. 9, 1926.
Schmitt, Joseph L., doing business as Ranetite Waterproofing Co., St. Louis, Mo. Paint oil, paint for metals and cements, and transparent and colored waterproofing paint. 212,513; May 4; Serial No. 222,707; published Jan. 19, 1926.
Schoenhut, A., Company, The, Philadelphia, Pa. Toys and toy circus equipment. 55,653; renewed Aug. 21, 1926.
Schreiber Products Corporation, Buffalo, N. Y. Food product containing cocoa, malt extract, sugar, milk, and flavoring. 212,443; May 4; Serial No. 225,039; published Feb. 16, 1926.
Schreiber Products Corporation, Buffalo, N. Y. Coffee. 212,448–9; May 4; Serial Nos. 223,338–9; published Feb. 23, 1926.
Schulke & Mayr, Hamburg, Germany, assignor, by mesne assignments, to Lysol, Incorporated, Bloomfield, N. J. Disinfectants and antiseptics. 53,937–8; renewed June 12, 1926.
Sciafani, D. & A., New York, N. Y. Olive oil. 212,421; May 4; Serial No. 219,046; published Dec. 8, 1925.
Self Service Millinery Stores, Inc., Woodhaven, N. Y. Ladies' hats. 212,498; May 4; Serial No. 223,553; published Feb. 16, 1926.
Sheffield-King Milling Co., assignor to H. H. King Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 51,482; renewed Apr. 17, 1926.
Shoemart Company, St. Louis, Mo. Leather boots and shoes. 54,837; renewed July 31, 1926.
Simmons Hardware Company, St. Louis, Mo. Chisels and gouges. 53,686; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Razors. 53,687; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Pocketknives. 53,709; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Augurs, bits, and gimlets. 53,710; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Files and rasps. 53,711; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Corn knives and hay knives. 53,712; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Saws, saw blades, and saw handles. 53,763; renewed June 12, 1926.
Simmons Hardware Company, St. Louis, Mo. Picks, mattocks, grub hoes, and eye hoes. 54,880; renewed July 31, 1926.
Simmons Hardware Company, St. Louis, Mo. Scythes and grass hooks. 56,116; renewed Aug. 28, 1926.
Simmons Hardware Company, St. Louis, Mo. Scissors, shears, and hair clippers. 56,153; renewed Aug. 28, 1926.
Simmons Hardware Company, St. Louis, Mo. Drawing knives and box scrapers. 56,154; renewed Aug. 28, 1926.
Smith, T. I., Co., to T. I. Smith Company, North Attleboro, Mass., successor. Buttons and studs. 48,646; renewed Jan. 9, 1926.
Smyth, J. G., & Co., Uvalde, Tex. Men's and women's hats. 212,402; May 4; Serial No. 206,808; published Feb. 16, 1926.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 212,376–7; May 4; Serial Nos. 224,840–1; published Feb. 9, 1926.
Society of Chemical Industry in Basle, Basel, Switzerland. Dietetic food for use in the treatment of diabetes. 212,436–7; May 4; Serial Nos. 224,837–8; published Feb. 16, 1926.
Society of Chemical Industry in Basle, Basel, Switzerland. Dietetic food for use in the treatment of diabetes. 212,438; May 4; Serial No. 224,835; published Feb. 16, 1926.
Southwestern Coca Cola Bottling Co., Phoenix, Ariz. Jelly and sirup for making the same. 212,446; May 4; Serial No. 223,748; published Feb. 23, 1926.

Southwestern Paint & Asphalt Company, Ardmore, Okla. Roofing paint and varnish. 212,514; May 4; Serial No. 221,514; published Jan. 12, 1926.
Speck, Marshall & Co., assignor to Speck, Marshall Company, Pittsburgh, Pa. Spiral, sectional-ring, flax, and sheet packing. 52,820; renewed May 15, 1926.
Spiker, Joseph T., doing business as J. T. Spiker & Co., Chicago, Ill. Liquid bluing. 212,388; May 4; Serial No. 223,544; published Feb. 9, 1926.
Sprague, Warner & Company, Chicago, Ill. Candy. 53,669; renewed June 12, 1926.
Sprague, Warner & Company, Chicago, Ill. Coffee. 54,392; renewed June 26, 1926.
Sprague, Warner & Company, Chicago, Ill. Spices and mustard. 54,393 renewed June 26, 1926.
Sprague, Warner & Company, Chicago, Ill. Canned fruits and vegetables. 54,394; renewed June 26, 1926.
Squire Dingee Company, Chicago, Ill. Pickles, jellies, jams, fruit and berry preserves, etc. 212,450; May 4; Serial No. 221,857; published Jan. 26, 1926.
Standard Hom. Globule & Disk Co. (See Bichoff, Frederick.)
Star Chemical Co., Arlington, Tex. Parasite remover, an insect remedy and poultry tonic. 212,488; May 4; Serial No. 215,825; published Feb. 23, 1926.
Star Rubber Company, The, Akron, Ohio. Tires and inner tubes of rubber or rubber and fabric. 212,572; May 4.
Stickney & Poor Spice Co., Boston, Mass. Prepared mustard. 212,409; May 4; Serial No. 224,994; published Feb. 16, 1926.
Stone, David J., doing business as Stone Glove Factories, Chicago, Ill. Gloves made of leather. 212,401; May 4; Serial No. 207,211; published Feb. 16, 1926.
Straus, Nathan, & Sons, Inc., New York, N. Y. Crockery. 212,531; May 4; Serial No. 224,436; published Feb. 23, 1926.
Surland, Salvatore L., New York, N. Y. Hair-remover preparation for removing hair from the human body. 212,497; May 4; Serial No. 223,667; published Feb. 9, 1926.
Sun Nut Co., The, Chicago, Ill. Salted nuts. 212,464; May 4; Serial No. 208,022; published Feb. 23, 1926.
Sutherland & McMillan, Pittston, Pa. Canned fruits, berries, and vegetables. 212,471; May 4; Serial No. 187,784; published Feb. 9, 1926.
Swift and Company, Chicago, Ill. Pickled or corned beef. 56,103; renewed Aug. 21, 1926.
Taylor, N. & G., Co., assignor to N. & G. Taylor Co. Incorporated, Philadelphia, Pa. Tin and terne plate. 56,090; renewed Aug. 21, 1926.
Tiffany & Company, New York, N. Y. Metal ware. 55,029; renewed Aug. 7, 1926.
Tripler, F. R., & Co., Inc., New York, N. Y. Felt hats for men and young men. 212,542; May 4; Serial No. 223,492; published Feb. 23, 1926.
Trottier, Emile N., North Adams, Mass. Lace curtains, bedspreads, blankets, and bed comforters. 212,473; May 4; Serial No. 220,876; published Feb. 23, 1926.
Tuttle-Scott Stores, Inc., Toledo, Ohio. Leather, rubber, and fabric shoes. 212,541; May 4; Serial No. 223,563; published Feb. 16, 1926.
Underhay Oil Co., Boston, Mass. White oil primarily used in the preparation of cold cream. 212,395; May 4; Serial No. 224,848; published Feb. 9, 1926.
Underwood, Charles E., assignor to Underwood-Talmage Company, Dayton, Ohio. Candles. 51,978; renewed May 1, 1926.
Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 56,118–24; renewed Aug. 28, 1926.
Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 56,126; renewed Aug. 28, 1926.
Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 56,189–96; renewed Aug. 28, 1926.
United States Asbestos Company, Manheim, Pa. Fabric transmission and brake linings, facings, packings, gaskets, etc. 212,484; May 4; Serial No. 219,317; published Feb. 23, 1926.
U. S. Line Company. (See United States Whip Company.)
United States Rubber Company. (See Gorham Rubber Company, assignor.)
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 212,556; May 4.
Utica Heater Company, Utica, N. Y. Heating furnaces. 55,140; renewed Aug. 7, 1926.
Van Camp Sea Food Co., Fish Harbor, East San Pedro, Calif. Canned, smoked, and kippered fish. 212,442; May 4; Serial No. 224,062; published Feb. 23, 1926.
Van Landingham Co., The, Los Angeles, Calif. Canned sardines. 212,441; May 4; Serial No. 224,267; published Feb. 23, 1926.
Vitality Salt Co. (See Schaefer, Chas., & Son.)
Vitamines Company, Limited, Montreal, Quebec, Canada. Food product. 212,456; May 4; Serial No. 218,031; published Feb. 2, 1926.
Vivadou, Victor, New York, N. Y. Face powders, face creams, toilet waters, rouges, etc. 212,373; May 4; Serial No. 224,888; published Feb. 16, 1926.
Wagner-Gaebel Co., Chicago, Ill. Ladies' hats. 212,485; May 4; Serial No. 218,673; published Nov. 3, 1925.
Walworth Manufacturing Co., Boston, assignor to Walworth Company, South Boston, Mass. Wrenches. 52,118; renewed May 1, 1926.
Walworth Manufacturing Company, Boston, assignor to Walworth Company, South Boston, Mass. Wrenches. 53,579; renewed June 5, 1926.
Wanamaker, John, assignor to John Wanamaker, Philadelphia, Philadelphia, Pa. Leather boots, shoes, and slippers. 51,487; renewed Apr. 17, 1926.
Wardlow, M. E., et al., joint executors. (See Wardlow, S. & C.)
Wardlow, S. & C., New York, N. Y., to M. E. Wardlow and A. Duncan Barber, joint executors of Marmaduke Wardlow, deceased, Sheffield, England, successor. Steel. 54,299; renewed June 26, 1926.
Ware Bros. Company, Philadelphia, Pa. Trade journals. 54,833; renewed July 31, 1926.
Warren-Ehret Company, assignor, by mesne assignments, to Warren-Ehret Company, Philadelphia, Pa. Roofing, sheathing, waterproofing, and building felt. 52,988; renewed May 22, 1926.
Warrensburg Canning Co., Warrensburg, Ill. Canned corn. 212,551; May 4.
Webb, Thomas J., Co., Chicago, Ill. Coffee. 212,566; May 4.
Wehe, C. E., Oakland, Calif. Automobile and furniture polish. 212,424; May 4; Serial No. 221,038; published Jan. 19, 1926.
Wells & Richardson Company, assignor to Wells & Richardson Company, Incorporated, Burlington, Vt. Preparations for coloring butter. 52,795; renewed May 15, 1926.
Weltan Shoe Co. (See Rosenstein, William, & Co.)
West Electric Hair Curler Corporation, Philadelphia, Pa. Switches and false-hair pieces for covering the short ends of bobbed hair, etc. 212,454; May 4; Serial No. 219,415; published Feb. 23, 1926.
Western Soap & Chemical Co., Los Angeles, Calif. Bar, toilet, automobile, chip, powdered, flake, and granulated soap, dairy cleaner, and detergent. 212,552; May 4.
White Sewing Machine Company, Cleveland, Ohio. Sewing machines, covers, tables, stands, and attachments. 56,294–5; renewed Sept. 4, 1926.
Williams, Caroline L., Wildwood, N. J. Fruit cake. 212,386; May 4; Serial No. 224,125; published Jan. 26, 1926.
Wolverine Brass Works, Grand Rapids, Mich. Basin connection. 212,416; May 4; Serial No. 224,222; published Feb. 23, 1926.
Wostenholm, George, & Son, Limited, Sheffield, England. Cutlery. 53,722; renewed June 12, 1926.
Wostenholm, George, & Son, Limited, Sheffield, England, and New York, N. Y., to George Wostenholm & Son, Limited, Sheffield, England. Razors. 55,379; renewed Aug. 14, 1926.
Wupperman, Herman, Gesellschaft mit beschränkter Haftung, Plineberg, Germany. Wrought-iron hollow ware. 51,843; renewed Apr. 24, 1926.
Zimmer & Co. Inc., assignor to Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Manufactured plug, twist, and cut tobacco. 55,868; renewed Aug. 21, 1926.
Zucca, Antonio, to Lillian M. Zucca and Irma M. Zucca, executors under the will of Antonio Zucca, New York, N. Y., succcessors. Olive oil. 50,708; renewed Mar. 27, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bloomer Bros. Company, Newark, N. Y. No. 701 Egg Box Design. For Eggs. 30,278; May 4.
Bloomer Bros. Company, Newark, N. Y. No. 702 Egg Box Design. For Eggs. 30,279; May 4.
Bloomer Bros. Company, Newark, N. Y. No. 703 Egg Box Design. For Eggs. 30,280; May 4.
Bloomington Cooperative Creamery Co., Bloomington, Wis. Corn-Alfa Brand Creamery Butter. For Butter. 30,281; May 4.
Brainard Laboratories, Inc., Cleveland, Ohio. Brainard's Clean Point. For Ink. 30,282; May 4.
Cottage Creamery Company, The. (See Menasha Printing and Carton Company, assignor.)
Cowles Detergent Company, The, Cleveland, Ohio. Escolite. For a Patented Washing Compound. 30,283; May 4.
Fenton, E. M., doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Dr. Fenton's Necroside Special Preparation No. 2. For a Preparation for the treatment of Necrobacillosis, Green Scours, or Bowel Trouble in Hogs. 30,284; May 4.

Fenton, E. M., doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Dr. E. B. Fenton's Special Preparation No. 1. For a Preparation for the Treatment of Influenza, Pneumonia, Bronchitis, and Cough or Thumps in Swine. 30,285; May 4.

Fenton, E. M., doing business as Dr. Fenton's Vigor-Tone Co., Cedar Rapids, Iowa. Dr. E. B. Fenton's Special Preparation No. 4. For a Preparation for the Treatment of Lenkemia, Icterns, Jaundice, and Enlarged Spleen in Hogs. 30,286; May 4.

Fig-O-Lax Ovals Co. (See Silber, Samuel.)

Fisher, Charles, San Francisco, Calif. Yacco Crystal—Ye Ancient Crystal Confides Oracles. For Crystal Ball and Bronze Stand for Holding Same. 30,287; May 4.

Frisch, Emile, Chicago, Ill. Frisch Process. For Bread. 30,288; May 4.

Gies, Walter G., doing business as Walter G. Gies Company, Baltimore, Md. Nutype. For a Noninflammable Type Cleanser. 30,289; May 4.

Haller, Louis, & Otto Haller, doing business as Haller's Bird Store, Cincinnati, Ohio. Keep-Well Song Food. For Canary-Bird Food. 30,209; May 4.

Ideal Food Products Company. (See Menasha Printing and Carton Company, assignor.)

Lantz Bros. Baking Co., St. Louis, Mo. Honey Crisp Potato Chips. For Potato Chips. 30,291; May 4.

Menasha Printing and Carton Company, Menasha, Wis., assignor to The Cottage Creamery Company, Cleveland, Ohio. Ohio Eggs. For Eggs. 30,292; May 4.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Ideal Food Products Company, Peoria, Ill. Ideal Nut Oleomargarine. For Oleomargarine. 30,293; May 4.

Nurse's Cerate Co., The. (See Piper, Winfield G., R. N.)

Piper, Winfield G., R. N., doing business as The Nurse's Cerate Co., West Roxbury, Mass. The Nurse's Liniment No. 2. For Liniment. 30,294; May 4.

Red Ball Laboratories. (See Verdier, William A., M. D.)

Redlands Co-Operative Fruit Association. Redlands, Calif. Golden Circle. For Oranges. 30,295; May 4.

Robbins, J., & Sons, Inc., New York, N. Y. A Bird of a Line. For Leather Goods. 30,296; May 4.

Sanfred Drug Company. (See Silber, Samuel.)

Schurmann, W. A., & Company, Chicago, Ill. Pearleggs. For Eggs. 30,297; May 4.

Silber, Samuel, doing business as Samfred Drug Company and as Fig-O-Lax Ovals Co., Newark, N. J. Gad Phospho-Gadutole. For a Cough Medicine. 30,298; May 4.

Standard Fuel Engineering Co., Detroit, Mich. Standard Cement. For High Temperature Cement. 30,299; May 4.

Verdier, William A., M. D., doing business as Red Ball Laboratories, Weslaco, Tex. Red Ball Liver Caps. For Liver Medicine. 30,300; May 4.

Waterman, L. E., Company, doing business as Waterman's, New York, N. Y. Waterman's Ideal Fountain Pen. For Fountain Pens. 30,301; May 4.

White Cross Food Company, Racine, Wis. AA-Grade White Cross The Perfected Malted Milk. For Malted Milk. 30,302; May 4.

Yale Paint & Shellac Company, Newark, N. J. Yale. For Flat Finish. 30,303; May 4.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Do You Value Your Comfort? For Athletic Underwear. 8,744; May 4.

B. V. D. Company, Inc., The, New York, N. Y. One Little Look Can Save You Much Trouble. For Athletic Underwear. 8,745; May 4.

Coty, Inc., Wilmington, Del., and New York, N. Y. Les Pastels Coty. For Rouges. 8,746; May 4.

Cream of Wheat Co., Minneapolis, Minn. Every Boy and Girl Needs a Hot Cereal Breakfast. For Wheat Breakfast Food. 8,747; May 4.

Cream of Wheat Co., Minneapolis, Minn. Try This Dessert for Convalescents. For Wheat Breakfast Food. 8,748; May 4.

Eskimo Pie Corporation, Louisville, Ky. Health and Delight in Every Bite. For Frozen Confection. 8,749; May 4.

Foresite Manufacturing Co., Minneapolis, Minn. Foresite. For a Dentifrice. 8,750; May 4.

Heinz, H. J., Company, Pittsburgh, Pa. Oven Baked. For Oven-Baked Beans. 8,751; May 4.

Heinz, H. J., Company, Pittsburgh, Pa. Heinz Ketchup Improves the Best. For Tomato Catchup. 8,752; May 4.

Lakeside Fire Works Co., Roscoe, Ill. Fire Fun. For Fireworks. 8,756; May 4.

Lovit Company, The, Milwaukee, Wis. Lovit. For Cereal Food Products. 8,757; May 4.

Mayer, Phineas M., New Orleans, La. Some Facts About Vitalis. For a Leather Shoe Dressing. 8,758; May 4.

Reid, Murdoch & Co., Chicago, Ill. A Teenie Weenie Wedding. For Pickles. 8,753; May 4.

Roper, Geo. D., Corporation, Rockford, Ill. In Every Roper. For Gas Ranges. 8,754; May 4.

Roper, Geo. D., Corporation, Rockford, Ill. Symbol of Happiness. For Gas and Electric Ranges. 8,755; May 4.

Smith, W. F., New York, N. Y. Nif-Ties. For Bow Ties. 8,759; May 4.

Sowers Manufacturing Co., Buffalo, N. Y. Contours and General Dimensions of Dopp Cast Iron Seamless Jacketed Kettles. For Cast-Iron Seamless Jacketed Kettles. 8,760; May 4.

Vinco Company, Inc., The, New York, N. Y. Vinco Certifies. For a Boiler-Treating Powder. 8,761; May 4.

Wyko Projector Corporation, New York, N. Y. A Wyko Evening at Home. For Picture Projectors. 8,762; May 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. P. Hat Co. Inc., The, New York, N. Y. Ladies', misses', and children's hats. 225,855; May 4.

Acme White Lead and Color Works, Hamtramck, Mich. Paints of all kinds, stains, varnishes, liquid slating, colors in oil, etc. 212,986; May 4.

Adam, J. N., & Co., Buffalo, N. Y. Men's suits, trousers, coats, and vests. 227,556; May 4.

Adams, Joseph A., Chicago, Ill. Periodical published monthly. 228,079; May 4.

Adirondack Hosiery. (See Watson, Walter D.)

Affiliated Clothiers, Inc., New York, N. Y. Men's and boys' suits, topcoats, gloves, hosiery, etc. 223,982; May 4.

All-American Radio Corporation, Chicago, Ill. Wave-filtering apparatus for radio receiving sets. 228,021; May 4.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmission machinery. 221,582; May 4.

Alsberg, William, & Company, New York, N. Y. Artificial silk and mixture of artificial silk and wool, cotton and wool, artificial silk and cotton mixed piece goods. 215,957; May 4.

Alsey Radio Mfg. Co. (See Lavine, George.)

American Automatic Devices Company. (See Woller, Oliver C. R.)

American Chemical Paint Company, Ambler, Pa. Prepared caustic for removing paint and enamel. 228,351; May 4.

American Chicle Company, Long Island City, N. Y. Chewing gum. 227,339; May 4.

American Chicle Company, assignor to Caleb Crawford Company, Long Island City, N. Y. Chewing gum. 224,855; May 4.

American Cyanamid Company, New York, N. Y. Sprayers and parts thereof. 228,214; May 4.

Anchor Milling & Grocery Company, doing business as Anchor Milling Company, Albuquerque, N. Mex. Wheat flour and corn meal. 214,576; May 4.

Antennaphone Company, New York, N. Y. Device for use with a telephone receiver whereby the telephone wires are made use of instead of antenna wires. 218,453; May 4.

Appalachian Overall Company, Knoxville, Tenn. Overalls, work pants, work shirts, overall coats, and overall combination suits. 228,216–7; May 4.

Arcoil Heat Machine Co., Inc., Newark, N. J. Oil burners. 226,465; May 4.

Armstrong, D., & Co., Inc., Rochester, N. Y. Women's shoes of leather and fabric. 229,372; May 4.

Armstrong Packing Company, Dallas, Tex. Soap. 227,624; May 4.

Arnold, E. C., Ceres, Calif. Melons. 212,227; May 4.

At-Site Time Saving Device Corporation, New York, N. Y. Calculators. 225,758; May 4.

B & E Medical Tea Co., Newark, N. J. Medicinal teas. 228,885; May 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bachrach, Incorporated, Newton and Boston, Mass.; Providence, R. I.; Hartford and New Haven, Conn.; Lowell and Waterbury, Mass.; Jamaica, N. Y.; Allentown, Pa.; New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Pittsburgh, Pa.; East Orange, N. J.; Brooklyn, Albany, and Mount Vernon, N. Y.; Detroit, Mich.; Worcester and Fall River, Mass.; Portland, Me.; Lynn and Lawrence, Mass.; Scranton and Philadelphia, Pa.; Washington, D. C.; Cincinnati, Ohio; New Bedford, Mass.; Columbus, Ohio; Indianapolis, Ind.; Wilkes-Barre, Pa.; Utica, N. Y.; and Manchester, N. H. Photographs. 226,932; May 4.

Bachrach, Incorporated, Newton and Boston, Mass.; Providence, R. I.; Hartford and New Haven, Conn.; Lowell and Waterbury, Mass.; Jamaica, N. Y.; Allentown, Pa.; New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Pittsburgh, Pa.; East Orange, N. J.; Brooklyn, Albany, and Mount Vernon, N. Y.; Detroit, Mich.; Worcester and Fall River, Mass.; Portland, Me.; Lynn and Lawrence, Mass.; Scranton and Philadelphia, Pa.; Washington, D. C.; Cincinnati, Ohio; New Bedford, Mass.; Columbus, Ohio; Indianapolis, Ind.; Wilkes-Barre, Pa.; Utica, N. Y.; and Manchester, N. H. Photographs. 226,934; May 4.

Baer Bros., New York, N. Y. Ready-mixed paints. 228,401; May 4.

Beaver Soap Company, The, Dayton, Ohio. Cocoa castile hard-water soap. 228,170; May 4.

Belding Heminway Company, Rockville, Conn., and New York, N. Y. Textile threads. 229,375; May 4.

Bishop & Company, Los Angeles, Calif. Chocolate candy. 228,220; May 4.

Bluefield Coal & Coke Company, Bluefield, W. Va. Coal 227,563; May 4.

Blue Valley Creamery Co., Chicago, Ill. Butter. 192,007; May 4.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Rubber heels. 228,737; May 4.

Boyce & Veeder Company, Incorporated, Long Island City, N. Y. Lubricating oils and greases. 210,220; May 4.

Brown, C. D., & Co., Inc., Rochester, N. Y. Finished upper-leather calfskins. 226,040; May 4.

Buck & Company, Philadelphia, Pa. Shoes having wooden soles and leather and elastic securing straps. 228,407; May 4.

Burlington Company, The. (See Shulman, Louis.)

Cadwallader-Gibson Co., Inc., Los Angeles, Calif. Lumber. 224,652; May 4.

California Clay Products Co., Los Angeles and South Gate, Calif. Floor, art, and wall tile. 213,766; May 4.

Carbonell & Co. (S. en C.), Cordoba, Spain. Pure olive oils. 227,876; May 4.

Carbonell & Co. (S. en C.), Cordoba, Spain. Soaps. 227,877; May 4.

Carbonell & Co. (S. en C.). Cordoba, Spain. Soaps. 227,879; May 4.

Carolina Baking Company, Charlotte, N. C. Bread. 218,795; May 4.

Cash, J. & J., Inc., South Norwalk, Conn. Textile small wares. 226,474; May 4.

Cereal Soaps Co. Inc., New York, N. Y. Shampoo soap. 228,173; May 4.

Chanel Inc., New York, N. Y. Perfume and toilet water. 229,495–500; May 4.

Chapdelain, Marie A., Woodbridge, Calif. Fresh table grapes. 228,027; May 4.

Chase Bag Co., New York, N. Y. Twine, cordage, and thread for closing bags. 229,617–18; May 4.

Chero-Cola Company, Columbus, Ga. Nonalcoholic, maltless fruit beverage. 211,664; May 4.

Chicago Pottery Company, Chicago, Ill. Lavatories, flush tanks, china bowls, faucets, etc. 226,632; May 4.

Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Sanitary napkins. 229,269; May 4.

Citrus Chemical Company, Baltimore, Md. Laxatives. 227,390; May 4.

Climax Publishing Corp., New York, N. Y. Monthly magazine. 225,349; May 4.

Coats, J. & P., (R. I.) Inc., Pawtucket, R. I. Artificial silk in small skeins for embroidery. 210,605; May 4.

Codan, Inc., New York, N. Y. Essential oils, synthetic chemical extracts suitable for the production of perfume bases, and perfumes. 226,230; May 4.

Commercial Paste Company, The, Columbus, Ohio. Cleanser for cleaning painted metal, woodwork, etc. 227,393; May 4.

Corona Chemical Company, Inc., New York, N. Y. General medicinal tonic. 220,501; May 4.

Crawford, Caleb, Company. (See American Chicle Company, assignor.)

Curtain Supply Company, The, Chicago, Ill., and Elkhart, Ind. Weather stripping. 227,222; May 4.

Czecho Peasant Art Co. Inc., New York, N. Y. Pottery. 229,547; May 4.

Dairy Products Service Station, Inc., New York, N. Y. Cheese. 225,774; May 4.

Dennis, A. P., & Co., Inc., Los Angeles, Calif. Soft drinks and extracts, sirups, and concentrates for making the same. 220,763; May 4.

De Piazza, Ignatius, Westfield, N. J. Ointment for treatment of burns, abrasions, etc. 225,873; May 4.

Detroit Creamery Co., Detroit, Mich. Bacillus acidophilus cultured milk. 229,325; May 4.

Dina, Frank P., Brooklyn, N. Y. Pile ointment. 227,940; May 4.

Double Hitch Brake Co., San Francisco, Calif. Glare shield for use in association with windshields. 227,640; May 4.

Drylce Corporation of America, New York and Long Island City, N. Y. Refrigerators. 211,338; May 4.

Durry, Frank R., Penn Yan, N. Y. Mayonnaise salad dressing. 227,345; May 4.

Eastern Carbon Black Company, Charleston, W. Va. Carbon black. 213,122; May 4.

Eastman Mfg. Co., Manitowoc, Wis. Insulating covers for electric heater plugs. 226,890; May 4.

Einhorn Brothers, Philadelphia, Pa. Children's dresses. 228,232; May 4.

Electric Alarm Co. Inc., The, Denver, Colo. Electrical antitheft alarm devices. 227,168; May 4.

Elk River Concrete Products Co., Elk River, Minn. Reenforced sections for forming culverts, sewers, and drains. 211,996; May 4.

English China Clays Limited, St. Austell, England. Collodial clays. 228,414; May 4.

English China Clays Limited, St. Austell, England. Collodial clays. 228,416; May 4.

Epstein, M., & Bro., New York, N. Y. Watches, parts of watches, and watchcases. 227,944; May 4.

Eskimo Pie Corporation, Louisville, Ky. Candy covering for frozen confections. 226,891; May 4.

Everlastik, Inc., Chelsea, Mass. Antislip device in the nature of webbing or tape. 224,083; May 4.

Ev-R-Nue Products Co., Minneapolis, Minn. Cleaning solution for varnished, enameled, and painted surfaces. 209,631; May 4.

Fansteel Products Company, Inc., North Chicago, Ill. Battery chargers, battery eliminators, electrolytic rectifiers, etc. 227,226; May 4.

Faries Manufacturing Company, Decatur, Ill. Electric desk and table lamps. 227,735; May 4.

Fasheen Knitting Mills, Boston, Mass. Lingerie, underwear, bathing suits, etc. 229,027; May 4.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Laxative tablets. 228,849; May 4.

Fennville Fruit Exchange, Fennville, Mich. Peaches, pears, plums, and apples. 228,098; May 4.

Ferrante, Frank, Binghamton, N. Y. Hair tonic. 228,419; May 4.

Fidelity Supply Company, Chicago, Ill. Veterinary remedies and preparations. 225,781; May 4.

Fidelity Supply Company, Chicago, Ill. Veterinary remedies and preparations. 225,782; May 4.

Fifer, Emma, Indianola, Pa. Preparation for the hair. 227,171; May 4.

Fishbein & Co. Inc., New York, N. Y. Pocketbooks and hand bags. 227,347; May 4.

Fisher, F. Percy, doing business as F. P. Fisher and Company, Fort Fairfield, Me. Potatoes. 228,602; May 4.

Fisher, Nath'l, & Co., New York, N. Y. Shoes. 226,110; May 4.

Food Flavour Preservation Process Limited, Leigh-on-Sea, England. Impregnated airtight material made of fiber or cotton for protecting perishable objects. 217,082; May 4.

Foremen's Publishing Co., The, Dayton, Ohio. Bimonthly magazine. 229,279; May 4.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,096; May 4.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,098–101; May 4.

Foster and Short, San Francisco, Calif. Monthly magazines. 224,659; May 4.

Freeman, Beddow Shoe Mfg. Co., Beloit, Wis. Boots and shoes. 223,909; May 4.

Friedenberg, Charles, doing business as M & P Products Co., Detroit, Mich. Malt extract for food purposes. 217,457; May 4.

Garland, Harrison W., Bay City, Mich. Monthly magazine. 211,089; May 4.

Gatchell, F. F., Springfield, Mass. Plectrums. 228,186; May 4.

Geier, P. A., Company, The, Cleveland, Ohio. Washing machines. 26,647; May 4.

General Chemical Company, New York, N. Y. Insecticides and fungicides. 229,226; May 4.

General Chemical Company, New York, N. Y. Heavy chemicals. 229,227; May 4.

General Motors Corporation, Detroit, Mich. Automobiles. 228,102; May 4.

General Phonograph Corporation, New York, N. Y. Radio receiving sets. 193,392; May 4.

Glaubinger-Greenberg Co., New York, N. Y. Silk fabrics. 228,983; May 4.

Golden Eagle Milling Co., Petaluma, Calif. Prepared dairy and poultry foods. 227,231; May 4.

Golden Gate Grocers of San Francisco, San Francisco, Calif. Butter. 227,011; May 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Goldman, Benjamin T., St. Paul, Minn. Hair-color restorer. 226,954; May 4.

Gold Seal Electric Company, The, Cleveland, Ohio. Electric curling irons, battery clips, toasters, waffle irons, etc. 223,577; May 4.

Goodman, N., & Son, New York, N. Y. Pure salad oil. 229,230; May 4.

Gould & Rosenberg, West New York, N. J. Pillowcases and fancy and decorative lines. 224,869; May 4.

Grammes, L. F., & Sons, Inc., Allentown, Pa. Badges, emblems, medals, display fixtures, etc. 210,727; May 4.

Greene Circle Products Co., Chicago, Ill. Chewing gum. 229,233; May 4.

Grimes, John P., doing business as Grimes Milling Company, Salisbury, N. C. Wheat flour. 227,402–3; May 4.

Grimes, John P., doing business as Grimes Milling Company, Salisbury, N. C. Hog feed. 227,404; May 4.

Hamblen Cedar Chest Company, Morristown, Tenn. Wooden clock cases. 227,996; May 4.

Haram, S. A., & Co., Inc., New York, N. Y. Canned lobster, jam, and potato starch. 198,637; May 4.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 229,283; May 4.

Hawley & Hoops, New York, N. Y. Candy. 229,285; May 4.

Hearn, James A., & Son Inc., New York, N. Y. Diapering in the piece and diapers. 207,353; May 4.

Henrietta Ice Cream Company, The, Cincinnati, Ohio. Confection comprising a chocolate casing containing fruit and ice cream. 228,698; May 4.

Highgrove Fruit Association, Highgrove, Calif. Oranges, lemons, and grapefruit. 217,775–6; May 4.

Highland Exchange Association, Highland, Calif. Oranges, lemons, and grapefruit. 217,779–80; May 4.

Highland Exchange Association, Highland, Calif. Oranges, lemons, and grapefruit. 217,782; May 4.

Hirsch, Weintraub & Co., Philadelphia, Pa. Hats, caps, coats, etc. 228,540; May 4.

Holyoke Silk Hosiery Company, Holyoke, Mass. Silk hosiery. 223,297; May 4.

Horowitz, Robert G., New York, N. Y. Men's suits and overcoats. 229,287; May 4.

Hubbard, C. D., Fruit Co., Carpenteria, Calif. Fresh citrous fruits. 222,249; May 4.

Imperial Flour Mills Company, The, Wichita, Kans. Wheat flour. 229,288; May 4.

Indianapolis Fancy Grocery Co., Indianapolis, Ind. Canned vegetables, fruits, berries, and fish, rolled oats, spaghetti, etc. 226,657; May 4.

Insto Puncture-Proof Tire Equipment Co., Seattle, Wash. Composition for repairing punctured automobile tires. 210,457; May 4.

Jessen, Lloyd A., doing business as Pan American Chemical Co., Santa Rita, N. Mex. Germicidal detergent for the throat and mouth. 229,181; May 4.

Johnson, Charles F., doing business as Charles F. Johnson & Co., Chicago, Ill. Puncture seal for tires. 226,658; May 4.

Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. 229,236; May 4.

Johns-Pratt Company, The, Hartford, Conn. Electrical protective circuit opening and controlling devices, meter-service protective and testing devices, etc. 227,893; May 4.

Johns-Pratt Company, The, Hartford, Conn. Electrical protective circuit opening and controlling devices, meter-serivo protective and testing devices, etc. 227,895; May 4.

Jones Brothers Company, Inc., The, Boston, Mass. Memorials. 223,513; May 4.

Kann, S., Sons Company, The, Washington, D. C. Ladies', misses', and children's shoes. 227,800; May 4.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Refrigerators. 228,907; May 4.

Kennedy, Colin B., Corporation, St. Louis, Mo. Weight appliance for attachment to vacuum tubes to damp vibration thereof. 227,842; May 4.

Kenworthy Brothers Company, Stoughton, Mass. Coated and impregnated fabrics in the nature of artificial leather. 216,838; May 4.

Killarney Smokeless Coal Company, Incorporated, Lynchburg, Va., and Killarney, W. Va. Coal. 226,060; May 4.

Kirk, James S., & Company, Chicago, Ill. Soap. 226,726–7; May 4.

Kokomo Steel & Wire Co., Kokomo, Ind. Fencing. 227,652–4; May 4.

Kokomo Steel & Wire Co., Kokomo, Ind. Farm and poultry fence and ornamental fence and gates therefor. 227,655–6; May 4.

Kothe, Wells & Bauer Company, Indianapolis, Ind. Canned fish, fruit, vegetables, coffee, raisins, etc. 226,662; May 4.

Ketick Boat Company, Fair Haven, N. J. Motor boats. 224,460; May 4.

Kunkler, Clement F., doing business as Pla-San Laboratories, Columbus, Ohio. False-teeth cleanser. 227,747; May 4.

La Salle Company, The. (See Salesky, Harry.)

Latka, Frank, Jersey City, N. J. Nonalcoholic, noncereal, maltless beverages and sirups for making the same. 228,254; May 4.

Lavine, George, doing business as Alsey Radio Mfg. Co., New York, N. Y. Radio receiving sets and parts of same. 211,279; May 4.

Lincoln Steel & Forge Company, St. Louis, Mo. Lubricating apparatus. 226,906; May 4.

Liquid Grape Company. (See McCarty, Laura N.)

Lockhart, Oscar L., doing business as Mi-Dine Pharmacal Co., Atlanta, Ga. Preparation for colds, coughs, flu, and aching. 229,185; May 4.

Londoner, Charles, doing business as Princess Remedy Company, New York, N. Y. Preparation for controlling the menstruation period in women. 229,296; May 4.

Luxor, Limited, Chicago, Ill. Complexion powders, compacts, rouges, bath salts, etc. 199,636; May 4.

M & P Products Co. (See Friedenberg, Charles.)

MacFadden Publications, Incorporated, New York, N. Y. Monthly magazines. 228,324; May 4.

Mamet & Cie. (See Mamet, Claude.)

Mamet, Claude, doing business as C. Mamet & Cie., Paris, France. Alarm apparatus with clock movement for office use. 218,981; May 4.

McCarty, Laura N., doing business as Liquid Grape Company, Lee Heights, Cherrydale, Va. Grape juice. 226,961; May 4.

Menke, Kaufmann & Co., Inc., New York, N. Y. Silk goods in the piece. 227,079; May 4.

Merritt, H. D., & Company. (See Sherman, Charles H.)

Meyer & Lange, New York, N. Y. Anchovies, antipasto, apple sauce, curry powder, dates, etc. 193,410; May 4.

Middlesex Knitting Company, Incorporated, Wakefield, Mass. Knitted outerwear. 228,327; May 4.

Mi-Dine Pharmacal Co. (See Lockhart, Oscar L.)

Midwest Varnish Co., Chicago, Ill. Automobile polish. 228,124; May 4.

Minkin, Samuel, doing business as Silvera Hat Company, New York, N. Y. Ladies', misses', and children's hats. 229,244; May 4.

Minneapolis Milling Company, Minneapolis, Minn. Durum feed and durum flour. 227,959; May 4.

Minor, P. W., & Son Inc., Batavia, N. Y. Boots and shoes. 227,591; May 4.

Montaperto, Salvatore, Brooklyn, N. Y. Olive oil. 227,275; May 4.

Moore, Benjamin, & Co., Jersey City, N. J. Paste paints and semipaste paints. 229,144; May 4.

Motor Power Equipment Co., St. Paul, Minn. Vehicle bodies and cabs for commercial and farm use. 212,281; May 4.

National Cloak & Suit Co., New York, N. Y. Storage batteries. 226,252; May 4.

National Direct Advertising Corporation, New York, N. Y. Shirt boards made of cardboard. 226,945; May 4.

National Refrigerating Company, New Haven, Conn. Refrigerators. 228,387; May 4.

National Sewing Machine Company, Belvidere, Ill. Sewing machines. 227,199; May 4.

New England Confectionery Company, Boston, Mass. Candy. 225,938; May 4.

New England Mills Co., Chicago, Ill. Catalogues published at intervals. 228,128; May 4.

Nichols, John N., doing business as J. N. Nichols & Co., Salford, England. Nonalcoholic, maltless beverages. 225,443; May 4.

Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa. Nickel and brass polish. 227,466; May 4.

Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa. Silver and gold polish. 227,467; May 4.

Night Rider Co., The. (See Smith, J. Bernice.)

Nitrate Agencies Company, New York, N. Y. Fertilizer. 227,530; May 4.

Northern Warren Corporation, New York, N. Y. Liquid nail polishes. 229,191; May 4.

Nu-Way Cod Laboratories. (See Ovelmo Company.)

Oelrichs & Co., New York, N. Y., Boston, Mass., and Philadelphia, Pa. Carpet wools. 224,200; May 4.

Oralax Company, The, Chicago, Ill. Antiseptic, germicidal, and disinfectant liquid preparation for hay fever, colds, coughs, etc. 228,661; May 4.

Oranjo Fruit Juice Corporation, Los Angeles, Calif. Nonalcoholic, maltless beverage and flavoring for making the same. 227,033; May 4.

Ovelmo Company, doing business as Nu-Way Cod Laboratories, Fort Wayne, Ind. Tasteless cod-liver-oil tablets. 228,130; May 4.

Overbagh & Ayres Mfg. Co., Chicago, Ill. Porcelain-enameled steel reflectors, paint-enameled hand reflectors, etc. 217,733; May 4.

Palmetto Coffee Company, Inc., Washington, D. C. Tea. 228,662; May 4.

Pan American Chemical Co. (See Jessen, Lloyd A.)

Paradise Manufacturing Company. (See Treadway, Annie E.)

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paragon Laboratories, Inc., Newark, N. J. Hair dyes. 224,527; May 4.

Pardee, C., Works, The, Philadelphia, Pa. Pottery and faience. 229,523; May 4.

Parker & Waterman Manufacturing Co., Los Angeles, Calif. Tire covers. 226,676; May 4.

Patterson, Harry A., Cleveland, Ohio. Cleaning and polishing liquid. 210,574; May 4.

Pendleton Woolen Mills, Portland, Oreg. Blankets. 221,670; May 4.

Pennrich & Company, Inc., New York, N. Y. Artificial silk. 228,862; May 4.

Perry, Charles E., Philadelphia, Pa. Card games. 228,558; May. 4.

Peverly, George W., doing business as George H. Peverly Co., Pacoima, Calif. Nonalcoholic, maltless beverages. 226,372; May 4.

Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Brushing lacquer. 227,323; May 4.

Pickering, W. R., Lumber Company, Pickering, La., and Kansas City, Mo. Lumber. 223,051; May 4.

Piedmont Laboratories. (See Tilly, M. E.)

Pinkham Holding Co., Los Angeles, Calif. Fresh grapes. 217,112; May 4.

Plant, Geo. P., Milling Company, St. Louis, Mo. Corn meal, rye flour, pancake flour, breakfast foods of wheat and corn, etc. 214,216; May 4.

Pla-San Laboratories. (See Kunkler, Clement F.)

Platt Brothers, Toronto, Ontario, Canada. Show cases and display shelving for goods. 223,325; May 4.

Princess Remedy Company. (See Londoner, Charles.)

Progressive Musical Instrument Corporation, New York, N. Y. Violin strings. 228,135; May 4.

Progressive Musical Instrument Corporation, New York, N. Y. Toy musical instruments. 228,136; May 4.

Progressive Musical Instrument Corporation, New York, N. Y. Violin strings. 228,137; May 4.

Pryer, W. Christy, Wilmington, Del. Lotion for sunburn, hands, and general use. 229,198; May 4.

Purity Package Co., Inc., New York, N. Y. Alum, bicarbonate of soda, boric acid, cream tartar, etc. 221,976; May 4.

Rap-I-Dol Co., Inc., Newark, N. J. Hair colorings. 228,266; May 4.

Reno Creamery Company, The, Hutchinson, Kans. Creamery butter. 226,560; May 4.

Reynolds Spring Company, Jackson, Mich. Switch plates, attachment plugs, outlets, heater connecter switches, etc. 227,476; May 4.

Rhind, Hugh, Golf Shaft Company, The, Portsmouth, Ohio. Golf clubs and shafts. 226,247; May 4.

Rhodesia Broken Hill Development Company, Limited, London, England. Electrolytic zinc. 228,829; May 4.

Robbins, Benjamin, doing business as Robbins Medicine Company, New York, N. Y. Stimulant expectorant 227,967; May 4.

Robinson-Ransbottom Pottery Company, The, Roseville, Ohio. Pottery, crockery, earthenware, and porcelain. 227,418; May 4.

Rolfe Iron Company, Mason City, Iowa. Gates, braces, posts, columns, and poles. 227,754; May 4.

Royal Jewelry Mfg. Co., Inc., New York, N. Y. Artificial pearls and necklaces made therefrom. 221,718; May 4.

Rundle Manufacturing Co., Milwaukee, Wis. Sanitary plumbing enamel ware. 226,740; May 4.

Sachs-Lawlor Machine & Manufacturing Co., The, Denver, Colo. Dog and cat collars, dog harness, dog leashes, and dog muzzles. 227,250; May 4.

Safeway Stores, Inc., Los Angeles, Calif. Canned fruits, vegetables, fish, oyster, etc. 222,581; May 4.

Salesky, Harry, doing business as The La Salle Company, Philadelphia, Pa. Men's and boy's hats and caps. 228,832; May 4.

Sankey, David W., Mifflinburg, Pa. Leather preservatives in paste and liquid form. 227,913; May 4.

Sax, George D., Peoria, Ill. Weekly circulars. 227,042–3; May 4.

Schweitzer, J. P., Company, Inc., The, Cleveland, Ohio. Household, warehouse, etc., street sweepers, and brooms. 191,788; May 4.

Schoenhut, A., Company, The, Philadelphia, Pa. Banjo ukeleles. 224,478; May 4.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Pads, plasters, and medicated shields for corns, calli, etc. 227,857; May 4.

Scoville Paper Company, The, Ogden, Utah. Wrapping paper, paper towels, toilet paper, wax paper, writing tablets, pens, etc. 212,645; May 4.

Scripto Manufacturing Company, Atlanta, Ga. Propeller pencils and leads therefor. 226,982–3; May 4.

Shaner, Edgar M., Lynchburg, Va. Hosiery. 226,082; May 4.

Sheer, H. M., Co., Quincy, Ill. Incubators. 227,045; May 4.

Sherman, Charles H., doing business as H. D. Merritt & Company, North Attleboro, Mass. Articles of jewelry. 209,434; May 4.

Shulman, Louis, doing business as The Burlington Company, Philadelphia, Pa. Raincoats. 228,272; May 4.

Sidenberg, G., & Co., New York, N. Y. Piece goods of artificial silk and of artificial silk and cotton mixtures. 210,812; May 4.

Silvera Hat Company. (See Minkin, Samuel.)

Smidth, F. L., & Co., New York, N. Y. Portland cement. 228,274; May 4.

Smith, J. Bernice, doing business as The Night Rider Co., Long Beach, Calif. Motor-vehicle glare shields. 219,694; May 4.

Smith, L. C., & Bros. Typewriter, Inc., Syracuse, N. Y. Typewriter ribbons and carbon paper. 221,779; May 4.

Societe Anonyme des Fromageries Ch. Gervais, Paris, France. Cheese. 227,371; May 4.

Societe Anonyme Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 228,781–2; May 4.

Southern Gypsum Company, Incorporated, North Holston, Va. Gypsum and lime-gypsum plaster. 212,649; May 4.

Square D Company, Detroit, Mich. Electrical testing instruments, and more particularly voltage-testing devices. 211,386; May 4.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, catchup, jellies, jams, etc. 228,207; May 4.

Standard Oil Company (New Jersey), Bayonne, N. J. Refined, semirefined, and unrefined oils and greases. 228,209; May 4.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 226,921; May 4.

Sterling Products Company, The, Cleveland, Ohio. Fume and acid resisting paints for general use. 227,861; May 4.

Stern, C., & Mayer, Inc., New York, N. Y. Cravats, neckties, scarfs, mufflers, and reefers. 226,385; May 4.

Stern, Frederick A., New York, N. Y. Drinking cups. 228,785; May 4.

Stevens, E. C., Northport, Wash. Sauce for meats gravies, soups, fish, and cheese. 228,569; May 4.

Stickles, L. D., Shoe Company, The, Red Wing, Minn. Leather boots and shoes. 227,919; May 4.

Stickles, L. D., Shoe Company, The, Red Wing, Minn. Leather boots and shoes. 227,920; May 4.

Stuebing Truck Company, The, Cincinnati, Ohio. Lifetime trucks and loading platforms. 210,020; May 4.

Sutterlin, Oscar, Paris, France. Hair dyes and lotions. 226,575; May 4.

Tag-Hart Malt Products Co., La Crosse, Wis. Malt sirup extract for use as a food. 224,299; May 4.

Tag-Hart Malt Products Co., La Crosse, Wis. Hop-flavored malt extract for use as a food. 224,301; May 4.

Tag-Hart Malt Products Co., La Crosse, Wis. Malt sirup extract for food purposes and malt sirup extracts flavored with hops. 224,302; May 4.

Tansey, Warren R., New Orleans, La. Table sirup and molasses. 222,805; May 4.

Tar Products Corporation, Providence and East Providence, R. I. Protective black paints, including casting dip. 211,306; May 4.

Thomas, Ray, Inc., Los Angeles, Calif. Radiotubes. 226,974; May 4.

Thompson, James W., White Plains, N. Y. Incinerators. 227,148; May 4.

Tilly, M. E., doing business as Piedmont Laboratories, Atlanta, Ga. Germicide and antiseptic preparation. 224,165; May 4.

Tolman-Fox Corporation, Boston, Mass. Leathers. 227,759; May 4.

Torres, Joaquin R., Ada, Ohio. Chance-controlled parlor game. 227,047; May 4.

Treadway, Annie E., doing business as Paradise Manufacturing Company, Fort Lauderdale, Fla. Preparation for exterminating insects. 228,506; May 4.

Triesch, Walter, doing business as Walter Triesch, Stahlwarenfabrik, Foche-Solingen, Germany. Razors, hair-clipping machines. 228,280; May 4.

Turpisch, Walter G., Stapleton, N. Y. Cigarette-package holders. 228,337; May 4.

Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Heating and ventilating apparatus. 227,330; May 4.

Union Allumettière Société Anonyme, Brussels, Belgium. Matches. 221,576; May 4.

Union Asbestos & Rubber Company, Chicago, Ill. Asbestos steam-pipe covering. 226,613; May 4.

Union Food Products Co., The, Greenville, Ohio. Peanut butter, prepared mustard, and tomato catchup. 229,066; May 4.

Union News Company, The, New York, N. Y. Chocolates. 214,224; May 4.

United States Daily Publishing Corporation, The, Washington, D. C. Newspaper published daily. 228,395; May 4.

United States Foil Co., Louisville, Ky. Metallic and laminated roofing. 207,274; May 4.

Van Vloten, Johan, New York, N. Y. Liquid preparation for waving the hair. 229,259; May 4.

Verm-A-Chick Co., Austin, Minn. Medicine for the treatment of worms in chickens. 229,260; May 4.

Ventura Citrus Association, Ventura, Calif. Oranges, lemons, and grapefruit. 222,292; May 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Vereinigte Optische Werke G. m. b. H., Rathenow, Germany. Eyeglasses and ophthalmic lenses. 213,269; May 4.

Vitrefrax Company, The, Los Angeles, Calif. Ceramic product. 228,514; May 4.

Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 226,755; May 4.

Watson, Walter D., doing business as Adirondack Hosiery, Utica, N. Y. Knitted, woolen, cotton, and silk hosiery and golf hosiery. 226,029; May 4.

Weinstein, Louis J., New York, N. Y. Plastic substances for making dental molds. 229,138; May 4.

Weisberg, Benjamin, Philadelphia, Pa. Neckties. 228,346; May 4.

Western Chemical Company, St. Joseph, Mo. Liquid cleaner for woodwork, linoleum, etc. 227,703; May 4.

Western Soap & Chemical Co., Los Angeles, Calif. Soaps, washing powders, and dairy cleansers. 222,901; May 4.

Wheeler, Osgood Company, The, Tacoma, Wash. Doors and panels. 225,751; May 4.

Wichita Flour Mills Co., The, Wichita, Kans. Wheat flour. 226,524; May 4.

Wiggler Company, The. (See Zeis, George J.)

Wilkins, William N., Mayfield, N. Y. Gloves. 211,245; May 4.

Williamson Veneer Co., The, Baltimore, Md. Lumber and veneers. 227,819; May 4.

Wise Furnace Company, The, Akron, Ohio. Hot-air furnaces. 227,150; May 4.

Weller, Oliver C. R., doing business as American Automotive Devices Company, Chicago, Ill. Electric lamps for automotive vehicles. 227,332; May 4.

Wumbec Textile Company, New York, N. Y. Pillowcases, sheets, blankets, curtain goods, towels, etc. 227,867; May 4.

Yvette Co., New York, N. Y. Rouge. 229,209; May 4.

Zeis, George J., doing business as The Wiggler Company, Buffalo, N. Y. Rotating toy for attaching to automobiles. 226,994; May 4.

Zonite Products Company, New York, N. Y. Antiseptic germ destroyer, disinfectant, deodorant, and bleach. 228,077; May 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Brier Hill Collieries. 212,567; May 4.

Seeds, Grass, grain, timothy, clover, hemp, canary, and rape. Albert Dickinson Company. 51,979; renewed May 1, 1926.

CLASS 2.

Bags, Paper. Crown Willamette Paper Company. 212,521; May 4; Serial No. 224,179; published Feb. 23, 1926.

Bags, Paper. Union Bag & Paper Company. 56,118–24; renewed Aug. 28, 1926.

Bags, Paper. Union Bag & Paper Company. 56,126; renewed Aug. 28, 1926.

Bags, Paper. Union Bag & Paper Company. 56,189–96; renewed Aug. 28, 1926.

Boxes, acid-proof containers, vanity boxes, etc., Cash. Bakelite Corporation. 212,420; May 4; Serial No. 222,422; published Feb. 9, 1926.

Caskets, coffins, and fixtures therefor, Burial. National Casket Co. 54,047; renewed June 19, 1926.

Containers and cartons for ice cream and similar products, Empty paper. Menasha Printing and Carton Company. 212,413–14; May 4; Serial Nos. 224,285–6; published Feb. 23, 1926.

Iron hollow ware, Wrought-. Herman Wupperman Gesellschaft mit beschränkter Haftung. 51,843; renewed Apr. 24, 1926.

Receivers for compressed gases and parts therefor, Steel. Harrisburg Pipe & Pipe Bending Co. 212,415; May 4; Serial No. 224,244; published Feb. 23, 1926.

CLASS 3.

Frames and ornaments for pocketbooks and hand bags and harness buckles and trimmings. Bakelite Corporation. 212,391; May 4; Serial No. 222,153; published Jan. 26, 1926.

CLASS 4.

Compound for polishing. G. W. Hoffman. 55,855; renewed Aug. 21, 1926.

Grinding and cutting wheels. Bakelite Corporation. 212,472; May 4; Serial No. 222,423; published Feb. 2, 1926.

Polish and shaving cream, Shoe. A. J. Krank. 212,565; May 4.

Razor-strop dressing. A. L. Klopfenstein. 212,530; May 4; Serial No. 224,766; published Feb. 9, 1926.

Soap, dairy cleaner, and detergent, Bar, toilet, automobile, chip, powdered, flake, and granulated. Western Soap & Chemical Co. 212,552; May 4.

CLASS 6.

Ammonium chloride. Brunner, Mond & Co. Limited. 54,966; renewed Aug. 7, 1926.

Antidyspeptic preparation. Reed & Carnrick. 212,380; May 4; Serial No. 224,781; published Feb. 9, 1926.

Antiseptic preparation, throat tablets, hydrogen peroxide, etc., Liquid. John T. Milliken & Company. 212,390; May 4; Serial No. 222,990; published Feb. 9, 1926.

Antiseptics and deodorants. Farbwerke vorm. Meister Lucius & Brüning. 52,135; renewed May 1, 1926.

Bath salts. J. E. Bennett. 212,492; May 4; Serial No. 210,113; published May 26, 1925.

Bath salts. Chas. Schaefer & Son. 212,302; May 4; Serial No. 221,727; published Feb. 9, 1926.

Bluing, Liquid. J. T. Spiker. 212,388; May 4; Serial No. 223,554; published Feb. 9, 1926.

Butter, Preparations for coloring. Wells & Richardson Company. 52,795; renewed May 15, 1926.

Castor oil. Baker Castor Oil Company. 212,486; May 4; Serial No. 216,962; published Feb. 23, 1926.

Chemicals. Brunner, Mond & Co. 54,612; renewed June 26, 1926.

Coal-tar colors. Society of Chemical Industry in Basle. 212,376–7; May 4; Serial Nos. 224,840–1; published Feb. 9, 1926.

Compound for extinguishing fires, Chemical. R. H. Pratt. 212,368; May 4; Serial No. 225,278; published Feb. 16, 1926.

Compound for treating dyspepsia. Beard Laboratories, Inc. 212,518; Mar. 4; Serial No. 225,760; published Feb. 23, 1926.

Cream, Dental. Colgate & Company. 212,500; May 4; Serial No. 222,312; published Feb. 23, 1926.

Disinfectants and antiseptics. Schülke & Mayr. 53,937–8; renewed June 12, 1926.

Dyestuff. Badische Anilin- & Soda-Fabrik. 52,223–40; renewed May 1, 1926.

Hair and skin pomade. T. Davis. 212,502; May 4; Serial No. 223,770; published Feb. 9, 1926.

Hairdressing. E. W. Bailey. 212,384; May 4; Serial No. 224,647; published Feb. 9, 1926.

Hairdressing cream. G. Cardone. 212,367; May 4; Serial No. 225,347; published Feb. 16, 1926.

Hair tonic. A. J. Krank Mfg. Co. 212,546; May 4; Serial No. 169,884; published Feb. 23, 1926.

Hair tonic and face lotion. L. A. Casnati. 212,496; May 4; Serial No. 205,741; published Feb. 23, 1926.

Hydrocarbon preparation, Soluble sulphonated. Ichthyolitic Products Corporation of America. 212,512; May 4; Serial No. 223,787; published Feb. 23, 1926.

Hydrocarbon, Soluble sulphonated. Ichthyolitic Products Corporation of America. 212,539–40; May 4; Serial No. 223,785–6; published Feb. 23, 1926.

Insecticides. A. R. Crossley. 212,375; May 4; Serial No. 224,862; published Feb. 16, 1926.

Laxative tablets. Johnstone Laboratories, Inc. 212,372; May 4; Serial No. 224,915; published Feb. 16, 1926.

Liniment. Royalty Sales Company. 212,385; May 4; Serial No. 224,626; published Feb. 9, 1926.

Liniment and analgesic used externally. F. Fougera & Co. 212,515–16; May 4; Serial Nos. 225,826–7; published Feb. 23, 1926.

Lip sticks. Lesquendieu, Inc. 212,382; May 4; Serial No. 224,775; published Feb. 9, 1926.

Manicure preparations, cuticle remover, cuticle salve, etc. J. Schanzenbach. 212,383; May 4; Serial No. 224,729; published Feb. 9, 1926.

Medical preparation for the cure of headache and neuralgia. Kohler Manufacturing Company. 56,140; renewed Aug. 28, 1926.

Medicinal preparation, Liquid. Henry Heil Chemical Company. 50,270; renewed Mar. 6, 1926.

Medicine for syphilis, etc. E. S. Miller. 212,374; May 4; Serial No. 224,877; published Feb. 16, 1926.

Medicine for use in the treatment of rheumatism, backache, and colds. Bradham Drug Company. 212,379; May 4; Serial No. 224,803; published Feb. 9, 1926.

Medicines. F. Bischoff. 55,885; renewed Aug. 21, 1926.

Oil primarily used in the preparation of cold cream, White. Underhay Oil Co. 212,395; May 4; Serial No. 224,848; published Feb. 9, 1926.

Ointments. Foster-McClellan Co. 55,606; renewed Aug. 21, 1926.

Parasite remover, an insect remedy and poultry tonic. Star Chemical Co. 212,488; May 4; Serial No. 215,825; published Feb. 23, 1926.

Perfume, toilet water, face powder, talcum, and rouge. Paul Rieger & Co. 212,491; May 4; Serial No. 211,543; published Feb. 9, 1926.

Plasters and salves. P. Beiersdorf & Co. 55,658; renewed Aug. 21, 1926.

Powder, perfumes, toilet water, face powder, Talc. Colgate & Company. 212,537; May 4; Serial No. 222,311; published Feb. 23, 1926.

Powders, toilet waters, perfumes, etc., Face. Paris Laboratories. 212,370; May 4; Serial No. 225,202; published Feb. 16, 1926.

Powders, toilet waters, perfumes, etc., Face. V. Vivaudou. 212,373; May 4; Serial No. 224,888; published Feb. 16, 1926.

Powders, toilet waters, rouges, perfumes, etc., Face. Rend Drug & Chemical Co. 212,381; May 4; Serial No. 224,780; published Feb. 9, 1926.

Preparation for pyorrhea, Radium Remedies Company. 212,394; May 4; Serial No. 213,146; published Dec. 29, 1925.

Preparation for removing hair from the human body. S. L. Suriani. 212,497; May 4; Serial No. 223,667; published Feb. 9, 1926.

Preparation for the treatment of carbuncles, boils, pimples, and such like ailments, Blood. E. J. Connell. 212,378; May 4; Serial No. 224,810; published Feb. 9, 1926.

Remedy, being a diuretic medicine. Actien-Gesellschaft für Anilin-Fabrikation. 54,566; renewed June 26, 1926.

Remedy, Dandruff. Arbella Mfg. Co. 212,517; May 4; Serial No. 225,823; published Feb. 23, 1926.

Remedy for the treatment of coughs, colds, and other pulmonary ailments. Mandall & Co. 212,474–5; May 4; Serial Nos. 220,198–9; published Feb. 23, 1926.

Salve. E. A. Coley. 212,387; May 4; Serial No. 223,767; published Feb. 16, 1926.

Salve, Corn. Kohler Manufacturing Company. 55,760; renewed Aug. 21, 1926.

Salve, Pile. J. P. Miller. 212,483; May 4; Serial No. 220,152; published Feb. 9, 1926.

Tablets, Breath. M. A. Buteau. 212,369; May 4; Serial No. 225,254; published Feb. 16, 1926.

Veterinary products. Bayer Company. 212,490; May 4; Serial No. 212,230; published Feb. 23, 1926.

CLASS 7.

Ropes, twine, and cord. New Bedford Cordage Company. 212,529; May 4; Serial No. 225,375; published Feb. 23, 1926.

Twine, cordage, and thread for closing bags. Chase Bag Co. 212,524; May 4; Serial No. 226,044; published Feb. 23, 1926.

Twine, cordage, and thread for closing bags. Chase Bag Co. 212,525; May 4; Serial No. 226,042; published Feb. 23, 1926.

CLASS 8.

Match strikers. G. E. Kent. 212,434; May 4; Serial No. 214,798; published Dec. 1, 1925.

CLASS 12.

Roofing, sheathing, waterproofing, and building felt. Warren-Ehret Company. 52,988; renewed May 22, 1926.

CLASS 13.

Basin connection. Wolverine Brass Works. 212,416; May 4; Serial No. 224,222; published Feb. 23, 1926.

Heat regulators for use on boilers, furnaces, and stoves. Fulton Company. 53,173; renewed May 29, 1926.

Hinges. Chicago Spring Hinge Company. 212,396; May 4; Serial No. 207,967; published Feb. 23, 1926.

Laundry trays. Reliable Cement Products Company. 212,427; May 4; Serial No. 220,573; published Feb. 23, 1926.

Links for link chains, Repair. Diamond Chain and Manufacturing Company. 54,763; renewed June 26, 1926.

Rods, Metal curtain. James H. Boyce Manufacturing Co. 212,411; May 4; Serial No. 224,650; published Feb. 23, 1926.

CLASS 14.

Steel, S. & C. Wardlow. 54,299; renewed June 26, 1926.

Steel, Magnet. Firth-Sterling Steel Company. 55,080; renewed Aug. 7, 1926.

Tin and terne plate. N. & G. Taylor Co. 56,090; renewed Aug. 21, 1926.

CLASS 16.

Enamels. Marietta Paint & Color Company. 212,417; May 4; Serial No. 224,196; published Jan. 26, 1926.

Lacquers, lacquer enamels, lacquer solvents, spirit varnishes, etc., Lacquer & Chemical Corporation. 212,432; May 4; Serial No. 216,414; published Feb. 2, 1926.

Paint and varnish, Roofing. Southwestern Paint & Asphalt Company. 212,514; May 4; Serial No. 221,514; published Jan. 12, 1926.

Paint enamels, flat white, varnishes, etc. Elco Paint Products, Inc. 212,433; May 4; Serial No. 215,511; published Feb. 9, 1926.

Paint, Marine. H. Louderbough. 54,432–3; renewed June 26, 1926.

Paint, Metal. Gardco Paint Products Company. 212,429; May 4; Serial No. 218,850; published Jan. 5, 1926.

Paint oil, paint for metals and cement, transparent and colored waterproofing paint. J. L. Schmitt. 212,513; May 4; Serial No. 222,707; published Jan. 19, 1926.

Paint, Ready-mixed. L. Jackson. 212,536; May 4; Serial No. 224,095; published Jan. 26, 1926.

Paint, Roof. J. W. Morse. 212,430 May 4; Serial No. 218,822; published Jan. 5, 1926.

Paints and paint enamels, Liquid. Benjamin Moore & Co. 212,503; May 4; Serial No. 223,890; published Jan. 19, 1926.

Paints, Anticorrosive and antifouling. Rahtjen's American Composition Company. 55,908; renewed Aug. 21, 1926.

Paints, enamels, stains, and varnishes. Acme White Lead and Color Works. 55,842; renewed Aug. 21, 1926.

Paints, varnishes, stains, and enamels. Santa Fe Builders Supply Company. 212,425–6; May 4; Serial Nos. 220,920–1; published Jan. 12, 1926.

Pigments. Dye and Chemical Company of Canada, Limited. 212,455; May 4; Serial No. 218,475; published Feb. 16, 1926.

Polish, Automobile and furniture. C. E. Wehe. 212,424; May 4; Serial No. 221,038; published Jan. 19, 1926.

Polish, Furniture. F. B. Duncan. 212,431; May 4; Serial No. 218,746; published Feb. 16, 1926.

Polish, Piano and furniture. Adayaka Laboratories. 212,523; May 4; Serial No. 221,685; published Jan. 12, 1926.

Polishes. F. S. Lyndall. 212,508; May 4; Serial No. 222,263; published Jan. 12, 1926.

Varnishes, stains, japans, and surfacers. Chicago Varnish Co. 54,001; renewed June 19, 1926.

CLASS 17.

Cigars. Reymer & Brothers, Inc. 55,550; renewed Aug. 14, 1926.

Tobacco, Manufactured plug, twist, and cut. Zimmer & Co. Inc. 55,868; renewed Aug. 21, 1926.

CLASS 19.

Dust caps, tank caps, springs, etc. Automotive Specialty Corporation. 212,467; May 4; Serial No. 202,273; published Oct. 21, 1924.

CLASS 21.

Alarms, Electrical burglar. American Bank Protection Company. 55,934; renewed Aug. 21, 1926.

Motor-generator sets, battery chargers, electric hot plates, etc. Acme Electric & Manufacturing Company. 212,544; May 4; Serial No. 198,773; published Feb. 10, 1925.

Motors, Electric. Bartz, Wygant & Brown. 50,639; renewed Mar. 27, 1926.

CLASS 22.

Billiard and bowling balls, fishing reels, etc. Bakelite Corporation. 212,509; May 4; Serial No. 222,154; published Feb. 2, 1926.

Cards, Playing. New York Consolidated Card Company. 50,075–7; renewed Mar. 6, 1926.

Cards, Playing. New York Consolidated Card Company. 51,449–50; renewed Apr. 17, 1926.

Cards, Playing. New York Consolidated Card Company. 51,475; renewed Apr. 17, 1926.

Cards, Playing. New York Consolidated Card Company. 53,442; renewed June 5, 1926.

Cards, Playing. New York Consolidated Card Company. 54,623; renewed June 26, 1926.

Chain stringers for fish. Enterprise Manufacturing Company. 212,398; May 4; Serial No. 207,714; published Feb. 23, 1926.

Doll clothes. Mrs. A. V. Harvey. 212,504; May 4; Serial No. 223,917; published Feb. 23, 1926.

Fishing line. Ashaway Line & Twine Manufacturing Company. 212,505; May 4; Serial No. 223,988; published Feb. 23, 1926.

Fishing line. Ashaway Line & Twine Manufacturing Company. 212,548; May 4; Serial No. 223,989; published Feb. 23, 1926.

Fishing lines. United States Whip Company. 212,556; May 4.

Fishing reels. Enterprise Manufacturing Company. 212,397; May 4; Serial No. 207,718; published Feb. 23, 1926.

Fishing reels. Enterprise Manufacturing Company. 212,399; May 4; Serial No. 207,713; published Feb. 23, 1926.

Toy figures. Geo. Borgfeldt & Co. 212,534; May 4; Serial No. 223,996; published Feb. 23, 1926.

Toy bobby-horses. F. J. Catterlin. 212,407; May 4; Serial No. 225,220; published Feb. 23, 1926.

Toy mechanical dogs. Mawhinney Last Company. 212,418; May 4; Serial No. 223,400; published Feb. 2, 1926.

Toy mechanical dogs. Mawhinney Last Company. 212,419; May 4; Serial No. 223,399; published Jan. 26, 1926.

Toy play balls made of celluloid. L. L. Martin. 212,412; May 4; Serial No. 224,341; published Feb. 23, 1926.

Toys and toy circus equipment. A. Schoenbut Company. 55,653; renewed Aug. 21, 1926.

CLASS 23.

Augers, bits, and gimlets. Simmons Hardware Company. 53,710; renewed June 12, 1926.
Blades, Shaving and whitening. L. Hardy Company. 56,070; renewed Aug. 21, 1926.
Chisels and gouges. Simmons Hardware Company. 53,686; renewed June 12, 1926.
Clippers and sheep shears, Horse. Chicago Flexible Shaft Company. 56,156; renewed Aug. 28, 1926.
Cutlery. George Wostenholm & Son. 53,722; renewed June 12, 1926.
Files and rasps. Simmons Hardware Company. 53,711; renewed June 12, 1926.
Gilding tools. W. H. Coe Mfg. Co. 56,108; renewed Aug. 21, 1926.
Knives and box scrapers, Drawing. Simmons Hardware Company. 56,154; renewed Aug. 28, 1926.
Knives, Corn and hay. Simmons Hardware Company. 53,712; renewed June 12, 1926.
Knives, Pocket. Simmons Hardware Company. 53,709; renewed June 12, 1926.
Picks, mattocks, grub hoes, and eye hoes. Simmons Hardware Company. 54,880; renewed July 31, 1926.
Razors. Simmons Hardware Company. 53,687; renewed June 12, 1926.
Razors. George Wostenholm & Son, Limited. 55,379; renewed Aug. 14, 1926.
Saws, Circular, band, hand, and crosscut. Joshua Oldham and Sons. 54,874; renewed July 31, 1926.
Saws, Circular, band, hand, and crosscut. Joshua Oldham & Sons. 55,503; renewed Aug. 14, 1926.
Saws, saw blades, and saw handles. Simmons Hardware Company. 53,763; renewed June 12, 1926.
Scissors. Adolph Kastor & Bros. 52,666; renewed May 15, 1926.
Scissors, shears, and hair clippers. Simmons Hardware Company. 56,153; renewed Aug. 28, 1926.
Scythes and grass hooks. Simmons Hardware Company. 56,116; renewed Aug. 28, 1926.
Sewing machines, covers, tables, stand, and attachments. White Sewing Machine Company. 56,294–5; renewed Sept. 4, 1926.
Wrenches. Walworth Manufacturing Co. 52,118; renewed May 1, 1926.
Wrenches. Walworth Manufacturing Company. 53,579; renewed June 5, 1926.

CLASS 25.

Locks, padlocks, and keys. Miller Lock Company; 56,294; renewed Sept. 18, 1926.

CLASS 26.

Recording instruments, Mileage, time, and speed. Ohmer Fare Register Company. 212,445; May 4; Serial No. 223,936; published Feb. 9, 1926.

CLASS 28.

Buttons and studs. T. I. Smith Co. 48,646; renewed Jan. 9, 1926.
Buttons, collar buttons, and studs, Sleeve. Parks Bros. & Rogers. 51,701–2; renewed Apr. 24, 1926.
Metal ware. Tiffany & Company. 55,029; renewed Aug. 7, 1926.

CLASS 30.

Crockery. Nathan Straus & Sons, Inc. 212,531; May 4; Serial No. 224,436; published Feb. 23, 1926.

CLASS 31

Refrigerating units and compressors therefor and parts thereof, Mechanical. Climax Engineering Co. 212,435; May 4; Serial No. 213,225; published Feb. 23, 1926.
Refrigerators. L. G. Copeman. 212,501; May 4; Serial No. 223,689; published Feb. 23, 1926.
Refrigerators and refrigerating machines. Barber Asphalt Company. 212,404–5; May 4; Serial Nos. 225,860–1; published Feb. 23, 1926.
Water purifiers of the carbon block and charcoal type. O. Hennings. 212,506; May 4; Serial No. 222,677; published Feb. 23, 1926.

CLASS 32.

Frames, chair arms, drawer pulls and knobs, Picture. Bakelite Corporation. 212,522; May 4; Serial No. 221,586; published Jan. 5, 1926.
Mattresses, pillows, bolsters, box springs, etc. Kaufmann Department Stores, Inc. 212,564; May 4.

CLASS 34.

Furnaces. Heating. Utica Heater Company. 55,140; renewed Aug. 7, 1926.
Lamps and lanterns and parts thereof, Tubular. R. E. Dietz Company. 56,291; renewed Sept. 4, 1926.
Tubing which is principally used for ventilating purposes in mines, Canvas. Bemis Bro. Bag Company. 212,538; May 4; Serial No. 224,171; published Feb. 2, 1926.

CLASS 35.

Belting, Rubber. Gorham Rubber Company. 52,068; renewed May 1, 1926.
Belts, Transmission. Victor Balata & Textile Belting Co. 212,569; May 4.
Fabric transmission and brake linings, facings, etc. United States Asbestos Company. 212,484; May 4; Serial No. 219,317; published Feb. 23, 1926.
Hose, Rubber. Goodyear Tire & Rubber Company. 212,545; May 4; Serial No. 187,516; published Feb. 23, 1926.
Hose, Rubber, Gorham Rubber Company. 54,550; renewed June 26, 1926.
Packing, disks, rings, and washers, Rubber. A. B. Jenkins. 54,081; renewed June 19, 1926.
Packing for glands, stuffing boxes, etc., Flax. Johns-Manville, Incorporated. 212,510; May 4; Serial No. 221,970; published Jan. 12, 1926.
Packing, gaskets, disks, rings, and washers, Rubber. A. B. Jenkins. 54,209; renewed June 19, 1926.
Packing, Piston. Pioneer Rubber Mills. 212,495; May 4; Serial No. 207,144; published Feb. 2, 1926.
Packing, Rubber. Gorham Rubber Company. 52,268; renewed May 8, 1926.
Packing, Spiral, sectional-ring, flax, and sheet. Speck, Marshall & Co. 52,820; renewed May 15, 1926.
Packings, Piston rod and joint. Mechanical Rubber Co. 56,187; renewed Aug. 28, 1926.
Rubber tire patches, inner-tube patches, etc. Out West Manufacturing Co. 212,389; May 4; Serial No. 223,401; published Feb. 23, 1926.
Tire inner-tube patches, Pneumatic. H. B. Egan & Co. 212,511; May 4; Serial No. 223,903; published Feb. 23, 1926.
Tire patches. K. C. Chemical Company. 212,393; May 4; Serial No. 221,260; published Feb. 16, 1926.
Tires and inner tubes, Automobile. National Cloak & Suit Co. 212,371; May 4; Serial No. 225,199; published Feb. 23, 1926.
Tires and inner tubes of rubber or rubber and fabric. Star Rubber Company. 212,572; May 4.
Tires and tubes, Automobile. H. C. Hower. 212,547; May 4; Serial No. 169,853; published Feb. 23, 1926.

CLASS 36.

Pianos. B. H. Janssen. 56,243; renewed Sept. 4, 1926.

CLASS 37.

Paper, wax lunch rolls, dry and waxed shredded paper, etc., Wax. Bennington Wax Paper Company. 212,533; May 4; Serial No. 223,763; published Jan. 12, 1926.
Paper, Writing and printing. Carew Manufacturing Company. 212,554; May 4.
Papers, Writing and drawing. R. J. Balston. 55,304–5; renewed Aug. 14, 1926.
Pens, Fountain. Parker Pen Co. 212,400; May 4; Serial No. 207,255; published May 5, 1925.
Stamps, Rubber. H. Heine. 212,560; May 4.

CLASS 38.

Books and circulars. D. H. Nichols. 212,403; May 4; Serial No. 187,480; published Jan. 20, 1925.
Journals, Trade. Ware Bros. Company. 54,839; renewed July 31, 1926.
Magazines. Golden Rule Company. 55,381; renewed Aug. 14, 1926.
Stationery, Engraved or printed. W. H. Geisel. 212,563, May 4.

CLASS 39.

Aprons, dresses, slip-overs, waists, Bungalow. Directors of Maryville College. 212,465; May 4; Serial No. 206,884; published Feb. 9, 1926.
Belts and scarfs, shoulder straps, rain capes, etc. Girl Scouts. 212,451; May 4; Serial No. 206,967; published Mar. 2, 1926.
Belts for personal wear. Apex Belt Co. 212,428; May 4; Serial No. 219,797; published Feb. 16, 1926.
Boots and shoes. J. W. Carter Company. 212,408; May 4; Serial No. 225,113; published Feb. 16, 1926.
Boots and shoes. International Shoe Company. 212,406; May 4; Serial No. 225,308; published Feb. 16, 1926.
Boots and shoes, Leather. B. F. Reynolds. 51,198; renewed Apr. 10, 1926.
Boots and shoes, Leather. Shoemart Company. 54,837; renewed July 31, 1926.
Boots and shoes, Rubber. Hood Rubber Co. 55,075; renewed Aug. 7, 1926.
Boots, shoes, and slippers, Leather. John Wanamaker. 51,487; renewed Apr. 17, 1926.
Clothing. Bedell Company. 56,317; renewed Sept. 11, 1926.
Corselettes, brassières, and bandeaux. I. Newman & Sons, Inc. 212,478; May 4; Serial No. 209,807; published Feb. 23, 1926.
Galoshes, snow boots, bootees, rubber shoe soles, etc. Helsingborgs Gummifabriks Aktiebolag. 212,493–4; May 4; Serial Nos. 209,789–90; published Feb. 23, 1926.
Garters, arm bands, and rubber kitchen aprons. I. Goldberg. 212,489; May 4; Serial No. 213,568; published Feb. 16, 1926.
Garters, Men's. George Frost Company. 212,410; May 4; Serial No. 224,660; published Feb. 9, 1926.
Gloves made of leather. D. J. Stone. 212,401; May 4; Serial No. 207,211; published Feb. 16, 1926.
Hats. Miklos & Hershey, Inc. 212,482; May 4; Serial No. 220,786; published Feb. 16, 1926.

Hats for men, Felt. F. R. Tripler & Co. 212,542; May 4; Serial No. 223,492; published Feb. 23, 1926.
Hats for women, misses, and children. N. J. Mass. 212,561; May 4.
Hats, Ladies'. De Marinis & Lorie, Inc. 212,490; May 4; Serial No. 223,286; published Feb. 16, 1926.
Hats, Ladies'. Martin Deutsch Co. 212,519; May 4; Serial No. 224,414; published Feb. 23, 1926.
Hats, Ladies'. Self Service Millinery Stores, Inc. 212,498; May 4; Serial No. 223,553; published Feb. 16, 1926.
Hats, Ladies'. Wagner-Gaebel Co. 212,485; May 4; Serial No. 218,673; published Nov. 3, 1925.
Hats, Men's. Long's Hat Stores. 212,487; May 4; Serial No. 216,192; published Feb. 16, 1926.
Hats, Men's. Murphy Gorman Company. 212,535; May 4; Serial No. 224,033; published Feb. 16, 1926.
Hats, Men's and women's. J. G. Smyth & Co. 212,402; May 4; Serial No. 206,808; published Feb. 16, 1926.
Hosiery. Rice-Stix Dry Goods Company. 54,291; renewed June 26, 1926.
Hosiery and knitted and netted underwear. Richmond Hosiery Mills. 212,543; May 4; Serial No. 199,325; published Feb. 23, 1926.
Shoes. Edwards Shoe Corporation. 212,562; May 4.
Shoes. William Rosenstein & Co. 212,520; May 4; Serial No. 224,362; published Feb. 23, 1926.
Shoes. Tuttle-Scott Stores, Inc. 212,541; May 4; Serial No. 223,563; published Feb. 16, 1926.
Undershirts and drawers, Knit. Cooper Underwear Company. 54,890; renewed July 31, 1926.
Underwear, Cotton, wool, silk, and linen. Chalmers Knitting Company. 48,473; renewed Jan. 2, 1926.

CLASS 40.

Buttons, Vegetable-ivory. London Button Co. 212,457; May 4; Serial No. 216,684; published Feb. 23, 1926.
Switches and false-hair pieces and made hair pieces. West Electric Hair Curler Corporation. 212,454; May 4; Serial No. 219,415; published Feb. 23, 1926.

CLASS 42.

Bedspreads. Moore Mills, Inc. 212,532; May 4; Serial No. 224,416; published Feb. 23, 1926.
Cloth, Billiard. Brunswick-Balke-Collender Company. 212,477; May 4; Serial No. 213,480; published Feb. 23, 1926.
Cotton and silk piece goods. H. Rich & Bros. Co. 212,526; May 4; Serial No. 225,733; published Feb. 23, 1926.
Cotton piece goods, silk and cotton piece goods, and artificial-silk and cotton piece goods. Henry Glass & Co. 212,550; May 4.
Curtains, bedspreads, blankets, and bed comforters, Lace. E. N. Trottier. 212,473; May 4; Serial No. 220,876; published Feb. 23, 1926.
Draperies in the piece. American Wholesale Corporation (Baltimore Bargain House). 212,481; May 4; Serial No. 174,122; published Feb. 23, 1926.
Fabrics, Printed cotton. Pacific Mills. 55,006; renewed Aug. 7, 1926.
Rugs and carpets. Klearflax Linen Looms, Inc. 212,479; May 4; Serial No. 206,530; published Mar. 2, 1926.
Rugs and carpets. Klearflax Linen Looms, Inc. 212,480; May 4; Serial No. 205,071; published Mar. 2, 1926.
Sheetings. Belton Mills. 55,966; renewed Aug. 21, 1926.
Sheetings and drills. Easley Cotton Mills. 51,521; renewed Apr. 17, 1926.
Silk textiles in the piece. J. H. & C. K. Eagle, Inc. 212,476; May 4; Serial No. 215,777; published Feb. 23, 1926.
Textile and pile fabrics. Cheney Brothers. 212,527; May 4; Serial No. 225,647; published Feb. 23, 1926.
Wool and cotton piece goods. Pacific Mills. 55,704; renewed Aug. 21, 1926.
Worsted and woolen dress goods. F. A. Bochmann & Co. 212,528; May 4; Serial No. 225,641; published Feb. 23, 1926.

CLASS 45.

Beverage sold as a soft drink. H. H. Rusby. 212,507; May 4; Serial No. 222,580; published Feb. 23, 1926.
Beverages and extracts and sirups for making same, Non-alcoholic, maltless. C. V. Davis. 212,555; May 4.
Beverages and sirups and extracts used in making the same, Nonalcoholic, maltless. O. Edwards. 212,557; May 4.

CLASS 46.

Apples. H. S. Groat & Company. 212,447; May 4; Serial No. 223,713; published Feb. 23, 1926.
Apples, apple butter, and apple preserves. Ridgewood Fruit Growers, Inc. 212,468; May 4; Serial No. 200,461; published Feb. 16, 1926.
Beef, Pickled or corned. Swift and Company. 56,103; renewed Aug. 21, 1926.
Butter. James Rowland & Company. 55,876; renewed Aug. 21, 1926.
Cake, Fruit. C. L. Williams. 212,386; May 4; Serial No. 224,125; published Jan. 26, 1926.
Candies. C. E. Underwood. 51,978; renewed May 1, 1926.
Candy. Nelson-Dashiell Company. 212,462; May 4; Serial No. 208,531; published Apr. 14, 1925.
Candy. G. B. Pieratt. 212,453; May 4; Serial No. 220,570; published Feb. 23, 1926.
Candy. Sprague, Warner & Company. 53,669; renewed June 12, 1926.
Candy mixture. Cummings Corporation. 212,568; May 4.
Canned corn. Warrensburg Canning Co. 212,551; May 4.
Canned fruits. R. E. Cotter Company. 212,570–1; May 4.
Canned fruits and vegetables. John C. Morgan Company. 212,466; May 4; Serial No. 205,022; published Feb. 23, 1926.
Canned fruits and vegetables. Roberts Brothers, Incorporated. 212,553; May 4.
Canned fruits and vegetables. Sprague, Warner & Company. 54,394; renewed June 26, 1926.
Canned fruits, berries, and vegetables. Sutherland & McMillan. 212,471; May 4; Serial No. 187,784; published Feb. 9, 1926.
Canned goods, tea, coffee, jelly, and malt extract. Durand-McNeil-Horner Co. 212,470; May 4; Serial No. 191,819; published Sept. 1, 1925.
Canned sardines. Van Landingham Co. 212,441; May 4; Serial No. 224,267; published Feb. 23, 1926.
Canned, smoked, and kippered fish. Van Camp Sea Food Co. 212,442; May 4; Serial No. 224,062; published Feb. 23, 1926.
Chicks, Live. D. W. Goodling. 212,460; May 4; Serial No. 213,499; published Feb. 23, 1926.
Chocolate and preparation thereof. Arbuckle Bros. 52,054; renewed May 1, 1926.
Cocoa and preparations thereof. Arbuckle Bros. 52,053; renewed May 1, 1926.
Coconut, Prepared. Franklin Baker Company. 212,469; May 4; Serial No. 197,753; published Aug. 4, 1925.
Codfish, Salted and boneless. J. W. Beardsley's Sons. 52,145; renewed May 1, 1926.
Codfish, Shredded. J. W. Beardsley's Sons. 55,755; renewed Aug. 21, 1926.
Coffee. Schreiber Products Corporation. 212,448–9; May 4; Serial Nos. 223,338–9; published Feb. 23, 1926.
Coffee. Sprague, Warner & Company. 54,392; renewed June 26, 1926.
Coffee. Thomas J. Webb Co. 212,566; May 4.
Coffee and tea. McComb Coffee Company. 212,440; May 4; Serial No. 224,570; published Feb. 23, 1926.
Coffee extract. Cafolin Co. 54,159; renewed June 19, 1926.
Extracts, canned goods, etc., Food-flavoring. Foley Bros. Grocery Co. 212,423; May 4; Serial No. 221,249; published Feb. 16, 1926.
Fish, Frozen. Doty Fish Company. 212,559; May 4.
Fish, Salted and boneless. J. W. Beardsley's Sons. 52,144; renewed May 1, 1926.
Fish, Salted and boneless. J. W. Beardsley's Sons. 54,554; renewed June 26, 1926.
Flour, Wheat. St. Mary's Mill Company. 55,191; renewed Aug. 7, 1926.
Flour, Wheat. St. Mary's Mill Company. 55,624; renewed Aug. 21, 1926.
Flour, Wheat. Sheffield-King Milling Co. 51,482; renewed Apr. 17, 1926.
Food for use in the treatment of diabetes, Dietetic. Society of Chemical Industry in Basle. 212,436–7; May 4; Serial Nos. 224,837–8; published Feb. 16, 1926.
Food for use in the treatment of diabetes, Dietetic. Society of Chemical Industry in Basle. 212,438; May 4; Serial No. 224,835; published Feb. 16, 1926.
Food product. Schreiber Products Corporation. 212,443; May 4; Serial No. 225,039; published Feb. 16, 1926.
Food product. Vitamines Company. 212,456; May 4; Serial No. 218,031; published Feb. 2, 1926.
Fruits and grapes, Fresh deciduous. Ivanhoe Fruit Association. 212,463; May 4; Serial No. 208,404; published May 19, 1925.
Gum, Chewing. D M O Gum Machine Company. 212,422; May 4; Serial No. 221,600; published Feb. 23, 1926.
Hams, lard, bacon, smoked hams, pickled bams, etc., Picnic. Miller Packing Co. 212,558; May 4.
Ice cream. F. Hassel. 212,459; May 4; Serial No. 215,629; published Feb. 16, 1926.
Jelly and sirup for making the same, Southwestern Coca Cola Bottling Co. 212,446; May 4; Serial No. 223,748; published Feb. 23, 1926.
Jelly, canned fruit, vegetables, and fish, vinegar, peanut butter, coffee, and breakfast cereals. Lehmann-Higginson Grocer Company. 212,549; May 4.
Lettuce. Engebretson-Grupe Co. 212,452; May 4; Serial No. 220,769; published Feb. 23, 1926.
Mustard, Prepared. Stickney & Poor Spice Co. 212,409; May 4; Serial No. 224,904; published Feb. 16, 1926.
Nuts, Salted. Susu Nut Co. 212,464; May 4; Serial No. 206,022; published Feb. 23, 1926.
Oil, Olive. D. & A. Sciafani. 212,421; May 4; Serial No. 219,046; published Dec. 8, 1925.
Oil, Olive. A. Zucca. 50,708; renewed Mar. 27, 1926.
Pears. B. B. Green. 212,444; May 4; Serial No. 224,019; published Feb. 23, 1926.
Pickles. F. P. Keene. 212,439; May 4; Serial No. 224,765; published Feb. 16, 1926.

Pickles, jellies, jams, fruit and berry preserves, etc. Squire Dingee Company. 212,450; May 4; Serial No. 221,857; published Jan. 26, 1926.

Pop corn. Albert Dickinson Company. 55,801; renewed Aug. 21, 1926.

Poultry, Live. D. W. Goodling. 212,461; May 4; Serial No. 212,380; published Feb. 23, 1926.

Rice. Dolan Mercantile Co. 52,515; renewed May 8, 1926.

Sirups, Food. Ridenour-Baker Grocery Company. 212,458; May 4; Serial No. 216,219; published Feb. 9, 1926.

Spices and mustard. Sprague, Warner & Company. 54,393; renewed June 26, 1826.

Teas. Arbuckle Bros. 54,195; renewed June 19, 1926.

CLASS 48.

Beer. J. Ruppert. 55,161; renewed Aug. 7, 1926.

ALPHABETICAL LIST OF LABELS.

AA-Grade White Cross The Perfected Malted Milk. For Malted Milk. White Cross Food Company. 30,302; May 4.

A Bird of a Line. For Leather Goods. J. Robbins & Sons, Inc. 30,296; May 4.

Brainard's Clean Point. For Ink. Brainard Laboratories, Inc. 30,282; May 4.

Corn-Alfa Brand Creamery Butter. For Butter. Bloomington Cooperative Creamery Co. 30,281; May 4.

Dr. E. M. Fenton's Special Preparation No. 1. For a Preparation for the Treatment of Influenza, Pneumonia, Bronchitis, and Cough or Thumps in Swine. E. M. Fenton. 30,285; May 4.

Dr. E. M. Fenton's Special Preparation No. 4. For a Preparation for the Treatment of Leukemia, Icterus, Jaundice, and Eularged Spleen in Hogs. E. M. Fenton. 30,286; May 4.

Dr. Fenton's Necroside Special Preparation No. 2. For a Preparation for the Treatment of Necrobacillosis, Green Scours, or Bowel Trouble in Hogs. E. M. Fenton. 30,284; May 4.

Escolite. For a Patented Washing Compound. Cowles Detergent Company. 30,283; May 4.

Frisch Process. For Bread. E. Frisch. 30,288; May 4.

Gad Phospho-Gadutole. For a Cough Medicine. S. Silber. 30,298; May 4.

Golden Circle. For Oranges. Redlands Co-Operative Fruit Association. 30,295; May 4.

Honey Crisp Potato Chips. For Potato Chips. Lantz Bros. Baking Co. 30,291; May 4.

Ideal Nut Oleomargarine. For Oleomargarine. Menasha Printing and Carton Company. 30,293; May 4.

Keep-Well Song Food. For Canary-Bird Food. L. and O. Haller. 30,290; May 4.

No. 701 Egg Box Design. For Eggs. Bloomer Bros. Company. 30,278; May 4.

No. 702 Egg Box Design. For Eggs. Bloomer Bros. Company. 30,279; May 4.

No. 703 Egg Box Design. For Eggs. Bloomer Bros. Company. 30,280; May 4.

Nutype. For a Noninflammable Type Cleanser. W. G. Gies. 30,289; May 4.

Ohio Eggs. For Eggs. Menasha Printing and Carton Company. 30,292; May 4.

Penrieggs. For Eggs. W. A. Schurmann & Company. 30,297; May 4.

Red Ball Liver Caps. For Liver Medicine. W. A. Verdier, M. D. 30,300; May 4.

Standard Cement. For High-Temperature Cement. Standard Fuel Engineering Co. 30,299; May 4.

The Nurse's Liniment No. 2. For Liniment. W. G. Piper, R. N. 30,294; May 4.

Waterman's Ideal Fountain Pen. For Fountain Pens. L. E. Waterman Company. 30,301; May 4.

Yacco Crystal—Ye Ancient Crystal Confides Oracles. For Crystal Ball and Bronze Stand for Holding Same. C. Fisher. 30,287; May 4.

Yale. For Flat Finish. Yale Paint & Shellac Company. 30,303; May 4.

ALPHABETICAL LIST OF PRINTS.

A Teenie Weenie Wedding. For Pickles. Reid, Murdoch & Co. 8,753; May 4.

A Wyko Evening at Home. For Picture Projectors. Wyko Projector Corporation. 8,762; May 4.

Contours and General Dimensions of Dopp Cast Iron Seamless Jacketed Kettles. For Cast-Iron Seamless Jacketed Kettles. Sowers Manufacturing Co. 8,760; May 4.

Do You Value Your Comfort? For Athletic Underwear. B. V. D. Company. 8,744; May 4.

Every Boy and Girl Needs a Hot Cereal Breakfast. For Wheat Breakfast Food. Cream of Wheat Co. 8,747; May 4.

Fire Fun. For Fireworks. Lakeside Fire Works Co. 8,756; May 4.

Foresite. For a Dentifrice. Foresite Manufacturing Co. 8,750; May 4.

Health and Delight in Every Bite. For Frozen Confection. Eskimo Pie Corporation. 8,749; May 4.

Heinz Ketchup Improves the Best. For Tomato Catchup. H. J. Heinz Company. 8,752; May 4.

In Every Roper. For Gas Ranges. Geo. D. Roper Corporation. 8,754; May 4.

Les Pastels Coty. For Rouges. Coty, Inc. 8,746; May 4.

Lovit. For Cereal Food Products. Lovit Company. 8,757; May 4.

Nif-Ties. For Bow Ties. W. F. Smith. 8,759; May 4.

One Little Look Can Save You Much Trouble. For Athletic Underwear. B. V. D. Company. 8,745; May 4.

Oven Baked. For Oven-Baked Beans. H. J. Heinz Company. 8,751; May 4.

Some Facts About Vitalis. For a Leather Shoe Dressing. P. M. Mayer. 8,758; May 4.

Symbol of Happiness. For Gas and Electric Ranges. Geo. D. Roper Corporation. 8,755; May 4.

Try this dessert for convalescents. For Wheat Breakfast Food. Cream of Wheat Co. 8,748; May 4.

Vinco Certifies. For a Boiler-Treating Powder. Vinco Company. 8,761; May 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Calfskins, Finished upper leather. C. D. Brown & Co. 226,040; May 4.

Clays, Collodial. English China Clays Limited. 228,414; May 4.

Clays, Collodial. English China Clays Limited. 228,416; May 4.

Coal. Bluefield Coal & Coke Company. 227,563; May 4.

Coal. Killarney Smokeless Coal Company. 226,060; May 4.

Cotton batting. Stearns & Foster Company. 226,921; May 4.

Leathers. Tolman-Fox Corporation. 227,759; May 4.

Wools, Carpet. Oelrichs & Co. 224,200; May 4.

CLASS 3.

Collars, dog harness, dog leashes, and dog muzzles, Dog and cat. Sachs-Lawlor Machine & Manufacturing Co. 227,250; May 4.

Pocketbooks and hand bags. Fishbein & Co. Inc. 227,347; May 4.

CLASS 4.

Cleaner for woodwork, linoleum, etc., Liquid. Western Chemical Company. 227,703; May 4.

Cleaning and polishing liquid. H. A. Patterson. 210,574; May 4.

Cleaning solutions. Ev-R-Nue Products Co. 209,631; May 4.

Cleanser. Commercial Paste Company. 227,393; May 4.

Cleanser, False-teeth. C. F. Kunkler. 227,747; May 4.

Polish, Nickel and brass. J. W. Nicomede. 227,466; May 4.

Polish, Silver and gold. J. W. Nicomede. 227,467; May 4.

Preservatives in paste and liquid form, Leather. D. W. Sankey. 227,913; May 4.

Soap. Armstrong Packing Company. 227,624; May 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Soap. James S. Kirk & Company. 226,726–7; May 4.

Soap, Cocoa castile hard-water. Beaver Soap Company. 228,170; May 4.

Soap, Shampoo. Cereal Soaps Co. Inc. 228,173; May 4.

Soaps. Carbonell & Co. (S. en C.). 227,877; May 4.

Soaps. Carbonell & Co. (S. en C.). 227,879; May 4.

Soaps, Washing powders, and dairy cleaners. Western Soap & Chemical Co. 222,901; May 4.

CLASS 5.

Composition for repairing punctured automobile tires. Insto Puncture-Proof Tire Equipment Co. 210,457; May 4.

Puncture seal for tires. C. F. Johnson. 226,658; May 4.

CLASS 6.

Alum, bicarbonate of soda, borax, licorice powder, etc. Purity Package Co. 221,976; May 4.

Antiseptic germ destroyer, disinfectant, deodorant, and bleach. Zonite Products Company. 228,077; May 4.

Carbon black. Eastern Carbon Black Company. 213,122; May 4.

Chemicals, Heavy. General Chemical Company. 229,227; May 4.

Cod-liver-oil tablets, Tasteless. Ovelmo Company. 228,130; May 4.

Dyes, Hair. Paragon Laboratories, Inc. 224,527; May 4.

Expectorant, Stimulant. B. Robbins. 227,967; May 4.

Germicidal detergent for the throat and mouth. L. A. Jessen. 229,181; May 4.

Germicide and antiseptic preparation. M. E. Tilly. 224,165; May 4.

Gum, Chewing. American Chicle Company. 224,855; May 4.

Hair-color restorer. B. T. Goldman. 226,954; May 4.

Hair colorings. Rap-I-Dol Co. 228,266; May 4.

Hair dyes and lotions. O. Sutterlin. 226,575; May 4.

Hair tonic. F. Ferrante. 228,419; May 4.

Insecticides and fungicides. General Chemical Company. 229,226; May 4.

Laxatives. Citrus Chemical Company. 227,390; May 4.

Lotion for sunburn, hands, and general use. W. C. Pryer. 229,198; May 4.

Medicinal teas. B & E Medical Tea Co. 228,885; May 4.

Medicine for the treatment of worms in chickens. Verm-A-Chick Co. 229,260; May 4.

Nail polishes, Liquid. Northam Warren Corporation. 229,191; May 4.

Oils, synthetic chemical extracts suitable for the production of perfumes, perfume bases, and perfumes, Essential. Codan, Inc. 226,230; May 4.

Ointment for treatment of burns, abrasions, etc. I. De Piazza. 225,873; May 4.

Ointment, Pile. F. P. Dina. 227,940; May 4.

Perfume and toilet water. Chanel Inc. 229,495–500; May 4.

Powders, compacts, rouges, perfumes, bath salts, etc., Complexion. Luxor, Limited. 199,636; May 4.

Preparation for controlling the menstruation period in women. C. Londoner. 229,296; May 4.

Preparation for exterminating insects. A. E. Treadway. 228,506; May 4.

Preparation for hay fever, coughs, colds, etc. Oralax Company. 228,661; May 4.

Preparation for the hair. E. Fifer. 227,171; May 4.

Preparation for the treatment of coughs, colds, flu, and aching. O. L. Lockhart. 229,185; May 4.

Preparation for waving the hair, Liquid. J. Van Vloten. 229,259; May 4.

Remedies and preparations, Veterinary. Fidelity Supply Company. 225,781–2; May 4.

Rouge. Yvette Co. 229,209; May 4.

Tablets, Laxative. Fellows Medical Manufacturing Company Inc. 228,849; May 4.

Tonic, General medicinal. Corona Chemical Company. 220,501; May 4.

CLASS 7.

Twine, cordage, and thread for closing bags. Chase Bag Co. 229,617–18; May 4.

CLASS 8.

Cigarette-package holders. W. G. Turpisch. 228,337; May 4.

CLASS 9.

Matches. Union Allumettière Société Anonyme. 221,576; May 4.

CLASS 10.

Fertilizer. Nitrate Agencies Company. 227,530; May 4.

CLASS 11.

Typewriter ribbons and carbon paper. L. C. Smith & Bros. Typewriter, Inc. 221,779; May 4.

CLASS 12.

Asbestos steam-pipe covering. Union Asbestos & Rubber Company. 226,613; May 4.

Cement, Portland. F. L. Smidth & Co. 228,274; May 4.

Culverts, sewers, and drains. Reenforced sections for forming. Elk River Concrete Products Co. 211,990; May 4.

Doors and panels. Wheeler, Osgood Company. 225,751; May 4.

Gypsum and lime-gypsum plaster. Southern Gypsum Company. 212,649; May 4.

Lumber. Cadwallader-Gibson Co. 224,652; May 4.

Lumber. W. R. Pickering Lumber Company. 223,051; May 4.

Lumber and veneers. Williamson Veneer Co. 227,819; May 4.

Roofing, Metallic and laminated. United States Foil Co. 207,274; May 4.

Tile, art tile, and wall tile, Floor. California Clay Products Co. 213,766; May 4.

Weather stripping. Curtain Supply Company. 227,222; May 4.

CLASS 13.

Enamel ware, Sanitary plumbing. Rundle Manufacturing Co. 226,740; May 4.

Fence and ornamental fence and gates therefor, Farm and poultry. Kokomo Steel & Wire Co. 227,655–6; May 4.

Fencing. Kokomo Steel & Wire Co. 227,652–4; May 4.

Gates, braces, posts, columns, and poles. Rolfe Iron Company. 227,754; May 4.

Lavatories, flush tanks, china bowls, faucets, etc. Chicago Pottery Company. 226,632; May 4.

CLASS 14.

Zinc, Electrolytic. Rhodesia Broken Hill Development Company, Limited. 228,829; May 4.

CLASS 15.

Oils and greases, Lubricating. Boyce & Veeder Company. 210,220; May 4.

Oils and greases, Refined, semirefined, and unrefined. Standard Oil Company (New Jersey). 228,209; May 4.

CLASS 16.

Lacquer, Brushing. Phelan-Faust Paint Manufacturing Company. 227,323; May 4.

Paint and enamel, Prepared caustic for removing. American Chemical Paint Company. 228,351; May 4.

Paints and semipaste paints, Paste. Benjamin Moore & Co. 229,144; May 4.

Paints for general use, Fume and acid resisting. Sterling Products Company. 227,861; May 4.

Paints, including casting dip, Protective black. Tar Products Corporation. 211,306; May 4.

Paints of all kinds, stains, varnishes, liquid slating, colors in oil, etc. Acme White Lead and Color Works. 212,986; May 4.

Paints, Ready-mixed. Baer Bros. 228,401; May 4.

Polish, Automobile. Midwest Varnish Co. 228,124; May 4.

CLASS 19.

Automobiles. General Motors Corporation. 228,102; May 4.

Boats, Motor. Kotick Boat Company. 224,460; May 4.

Trucks, and loading platforms, Lifetime. Stuebing Truck Company. 210,020; May 4.

Vehicle bodies and cabs for commercial and farm use. Motor Power Equipment Co. 212,281; May 4.

Vehicle glare shields, Motor. J. B. Smith. 219,694; May 4.

Windshields, Glare shield for use in association with. Double Hitch Brake Co. 227,640; May 4.

CLASS 21.

Batteries, Storage. National Cloak & Suit Co. 226,252; May 4.

Battery chargers, battery eliminators, electrolytic rectifiers, etc. Fansteel Products Company. 227,226; May 4.

Circuit opening and controlling devices, Electrical protective. Johns-Pratt Company. 227,893; May 4.

Circuit opening and controlling devices, meter-service protective and testing devices, electric lighting and service supplies, etc., Electric protective. Johns-Pratt Company. 227,895; May 4.

Electric curling irons, marcel wavers, battery clips, waffle irons, etc. Gold Seal Electric Company. 223,577; May 4.

Electrical antitheft alarm devices. Electric Alarm Co. Inc. 227,168; May 4.

Filtering apparatus for radio receiving sets, Wave-. All-American Radio Corporation. 228,021; May 4.

Insulating covers for electric heater plugs. Eastman Mfg. Co. 226,890; May 4.

Lamps, Electric desk and table. Faries Manufacturing Company. 227,735; May 4.

Lamps for automotive vehicles, Electric. O. C. R. Woller. 227,332; May 4.

Radio receiving sets. General Phonograph Corporation. 193,392; May 4.

Radio receiving sets and parts of same. G. Lavine. 211,279; May 4.
Radiotubes. Ray Thomas, Inc. 226,974; May 4.
Switch plates, attachment plugs, outlets, heater connecter switches, etc. Reynolds Spring Company. 227,476; May 4.
Telephone receiver, Device for use with. Antennaphone Company. 218,453; May 4.
Vacuum tubes to damp vibration thereof, Weight appliance for attachment to. Colin B. Kennedy Corporation. 227,842; May 4.

CLASS 22.

Game, Chance-controlled parlor. J. R. Tornes. 227,047; May 4.
Games, Card. C. H. Perry. 228,558; May 4.
Golf clubs and shafts. Hugh Rhind Golf Shaft Company. 226,247; May 4.
Toy for attaching to automobiles, Rotating. G. J. Zeis. 226,994; May 4.
Toy musical instruments. Progressive Musical Instrument Corporation. 228,136; May 4.

CLASS 23.

Lubricating apparatus. Lincoln Steel & Forge Company. 226,906; May 4.
Power-transmission machinery. Allis-Chalmers Manufacturing Company. 221,582; May 4.
Razors, hair-clipping machines. W. Triesch. 228,280; May 4.
Sewing machines. National Sewing Machine Company. 227,199; May 4.
Sprayers and parts thereof. American Cyanamid Company. 228,214; May 4.

CLASS 24.

Washing machines. P. A. Grier Company. 226,647; May 4.

CLASS 26.

Calculators. At-Site Time Saving Device Corporation. 225,758; May 4.
Electrical testing instruments. Square D Company. 211,386; May 4.
Eyeglasses and ophthalmic lenses. Vereinigte Optische Werke G. m. b. H. 213,269; May 4.

CLASS 27.

Alarm apparatus with clock movement for office use. C. Mamet. 218,981; May 4.
Clock cases, Wooden. Hamblen Cedar Chest Company. 227,996; May 4.
Watches, parts of watches, and watchcases. M. Epstein & Bro. 227,944; May 4.

CLASS 28.

Jewelry. C. H. Sherman. 209,434; May 4.
Pearls and necklaces made therefrom, Artificial. Royal Jewelry Mfg. Co. 221,718; May 4.

CLASS 29.

Sweepers and brooms. J. P. Schweitzer Company. 191,788; May 4.

CLASS 30.

Ceramic product. Vitrefrax Company. 228,514; May 4.
Crockery, earthenware, and porcelain, Drinking cups of. F. A. Stern. 228,785; May 4.
Pottery. Czecho Peasant Art Co. Inc. 229,547; May 4.
Pottery and faience. C. Pardee Works. 229,523; May 4.
Pottery, crockery, earthenware, and porcelain. Robinson-Ransbottom Pottery Company. 227,418; May 4.

CLASS 31.

Refrigerators. Dryice Corporation of America. 211,338; May 4.
Refrigerators. Kaufmann Department Stores, Inc. 228,907; May 4.
Refrigerators. National Refrigerating Company. 228,387; May 4.

CLASS 32.

Show cases and display shelving for goods. Platt Brothers. 223,325; May 4.

CLASS 34.

Burners, Oil. Arcoil Heat Machine Co. 226,465; May 4.
Furnaces, Hot-air. Wise Furnace Company. 227,150; May 4.
Heating and ventilating apparatus. Tuttle & Bailey Manufacturing Company. 227,330; May 4.
Incinerators. J. W. Thompson. 227,148; May 4.
Reflectors, paint-enameled hand reflectors, etc., Porcelain-enameled steel. Overbagh & Ayres Mfg. Co. 217,733; May 4.

CLASS 35.

Tire covers. Parker & Waterman Manufacturing Co. 226,676; May 4.

CLASS 36.

Banjo ukuleles. A. Schoenhut Company. 224,478; May 4.
Plectrums. F. F. Gatchell. 228,186; May 4.
Violin strings. Progressive Musical Instrument Corporation. 228,135; May 4.
Violin strings. Progressive Musical Instrument Corporation. 228,137; May 4.

CLASS 37.

Paper, paper towels, toilet paper, wax paper, pens, erasers, etc., Wrapping. Scoville Paper Company. 212,645; May 4.
Pencils and leads therefor, Propeller. Scripto Manufacturing Company. 226,982–3; May 4.

CLASS 38.

Catalogues published at intervals. New England Mills Co. 228,128; May 4.
Circulars, Weekly. G. D. Sax. 227,042–3; May 4.
Magazine, Bimonthly. Foremen's Publishing Co. 229,279; May 4.
Magazine, Monthly. Climax Publishing Corp. 225,349; May 4.
Magazine, Monthly. H. W. Garland. 211,089; May 4.
Magazines, Monthly. Foster and Short. 224,659; May 4.
Magazines, Monthly. Macfadden Publications, Incorporated. 228,324; May 4.
Newspaper published daily. United States Daily Publishing Corporation. 228,395; May 4.
Periodical published monthly. J. A. Adams. 228,079; May 4.
Photographs. Bachrach, Incorporated. 226,932; May 4.
Photographs. Bachrach, Incorporated. 226,934; May 4.

CLASS 39.

Boots and shoes. Freeman, Beddow Shoe Mfg. Co. 223,909; May 4.
Boots and shoes. P. W. Minor & Son Inc. 227,591; May 4.
Boots and shoes, Leather. L. D. Stickles Shoe Company. 227,919–20; May 4.
Cravats, neckties, scarfs, mufflers, and reefers. C. Stern & Mayer, Inc. 226,385; May 4.
Dresses, Children's. Einhorn Brothers. 228,232; May 4.
Gloves. W. N. Wilkins. 211,245; May 4.
Hats and caps, Men's and boys'. H. Salesky. 228,832; May 4.
Hats, caps, coats, etc. Hirsch, Weintraub & Co. 228,540; May 4.
Hats, Ladies', misses', and children's. A. P. Hat Co. Inc. 225,855; May 4.
Hats, Ladies', misses', and children's. S. Minkin. 229,244; May 4.
Heels, Rubber. Boston Woven Hose & Rubber Company. 228,737; May 4.
Hosiery. E. M. Shaner. 226,082; May 4.
Hosiery and golf hosiery, Knitted, woolen, cotton, and silk. W. D. Watson. 226,029; May 4.
Hosiery, Silk. Holyoke Silk Hosiery Compound. 223,297; May 4.
Lingerie, underwear, bathing suits, jackets, etc. Fasheen Knitting Mills. 229,027; May 4.
Neckties. B. Weisberg. 228,346; May 4.
Outerwear, Knitted. Middlesex Knitting Company. 228,327; May 4.
Overalls, work pants, work shirts, overall coats, and overall combination suits. Appalachian Overall Company. 228,216–7; May 4.
Raincoats. L. Shulman. 228,272; May 4.
Shoes. Nath'l Fisher & Co. 226,110; May 4.
Shoes having wooden soles and leather and elastic securing straps. Buck & Company. 228,407; May 4.
Shoes, Ladies', misses', and children's. S. Kann Sons Company. 227,800; May 4.
Shoes of leather and fabric, Women's. D. Armstrong & Co. 229,372; May 4.
Suits and coats, Men's. Hart, Schaffner & Marx. 229,283; May 4.
Suits and overcoats, Men's. R. G. Horowitz. 229,287; May 4.
Suits, topcoats, gloves, hosiery, etc., Men's and boy's. Affiliated Clothiers, Inc. 223,982; May 4.
Suits, trousers, coats, and vests, Men's. J. N. Adam & Co. 227,556; May 4.

CLASS 40.

Textile small wares. J. & J. Cash, Inc. 226,474; May 4.
Webbing or tape, Antislip device in the nature of. Everlastik, Inc. 224,083; May 4.

CLASS 42.

Blankets. Pendleton Woolen Mills. 221,670; May 4.
Diapering in the piece and diapers. James A. Hearn & Son Inc. 207,353; May 4.
Pillowcases and fancy and decorative linens. Gould & Rosenberg. 224,869; May 4.

Pillowcases, sheets, blankets, curtain goods, towels, etc. Wumbec Textile Company. 227,867; May 4.
Silk and mixtures of artificial silk and wool, cotton and wool, artificial silk and cotton mixed piece goods, Artificial. William Aisberg & Company. 215,957; May 4.
Silk and of artificial silk and cotton mixtures, Piece goods of. G. Sidenberg & Co. 210,812; May 4.
Silk fabrics. Glaubinger-Greenberg Co. 228,983; May 4.
Silk goods. Menke, Kaufmann & Co., Inc. 227,079; May 4.
Wool, cotton, and silk piece goods and mixtures of the same. Societe Anonyme Rodier. 228,781–2; May 4.
Woolen piece goods. Forstmann & Huffmann Company. 229,096; May 4.
Woolen piece goods. Forstmann & Huffmann Company. 229,098–101; May 4.

CLASS 43.

Silk in small skeins for embroidery, Artificial. J. & P. Coats (R. I.) Inc. 210,605; May 4.
Silk (rayon yarn), Artificial. Pennrich & Company. 228,862; May 4.
Textile threads. Belding Heminway Company. 229,375; May 4.

CLASS 44.

Dental molds, Plastic substances for making. L. J. Weinstein. 229,138; May 4.
Pads, plasters, and medicated shields for corns, calli, etc. Scholl Mfg. Co. Inc. 227,857; May 4.
Sanitary napkins. Chicopee Manufacturing Corporation. 229,269; May 4.
Sanitary napkins. Johnson & Johnson. 229,236; May 4.

CLASS 45.

Beverage, Maltless fruit. Chero-Cola Company. 211,664; May 4.
Beverage, Nonalcoholic, maltless. Oranjo Fruit Juice Corporation. 227,033; May 4.
Beverages and extracts, sirups, and concentrates for making the same, Maltless. A. P. Dennis & Co. 220,763; May 4.
Beverages and sirups and extracts for preparing the same, Nonalcoholic, maltless. G. W. Peverly. 226,372; May 4.
Beverages and sirups for making the same, Nonalcoholic, noncereal, maltless. F. Latka. 228,254; May 4.
Beverages, Nonalcoholic, maltless, mineral potable water, and ginger ale. J. N. Nichols. 225,443; May 4.
Grape juice. L. N. McCarty. 226,961; May 4.

CLASS 46.

Anchovies, antipasto, apple sauce, curry powder, dates etc. Meyer & Lange. 193,410; May 4.
Bread. Carolina Baking Company. 218,795; May 4.
Butter. Blue Valley Creamery Co. 192,007; May 4.
Butter. Golden Gate Grocers of San Francisco. 227,011; May 4.
Butter, Creamery. Reno Creamery Company. 226,560; May 4.
Candy. Hawley & Hoops. 229,285; May 4.
Candy. New England Confectionery Company. 225,938; May 4.
Candy, Chocolate. Bishop & Company. 228,220; May 4.
Candy covering for frozen confections. Eskimo Pie Corporation. 226,891; May 4.
Canned fish, fruit, vegetables, coffee, raisins, etc. Kothe, Wells & Bauer Company. 226,662; May 4.
Canned fruits, vegetables, fish, oysters, etc. Safeway Stores, Inc. 222,581; May 4.
Canned lobster, jam, and potato starch. S. A. Haram & Co. 198,637; May 4.
Canned vegetables, fruits, berries, and fish, rolled oats, spaghetti, etc. Indianapolis Fancy Grocery Co. 226,657; May 4.
Cheese. Dairy Products Service Station, Inc. 225,774; May 4.
Cheese. Societe Anonyme des Fromageries Ch. Gervais. 227,371; May 4.
Chewing gum. Greene Circle Products Co. 229,233; May 4.
Chocolates. Union News Company. 214,224; May 4.
Confection comprising a chocolate casing containing fruit and ice cream. Henrietta Ice Cream Company. 228,698; May 4.
Corn meal, rye flour, pancake flour, breakfast foods of wheat and corn, etc. Geo. P. Plant Milling Company. 214,216; May 4.
Dairy and poultry foods, Prepared. Golden Eagle Milling Co. 227,231; May 4.
Feed and durum flour, Durum. Minneapolis Milling Company. 227,959; May 4.
Feed, Hog. J. P. Grimes. 227,404; May 4.
Flour and corn meal, Wheat. Anchor Milling & Grocery Company. 214,576; May 4.
Flour, Wheat. J. P. Grimes. 227,402–3; May 4.
Flour, Wheat. Imperial Flour Mills Company. 229,288; May 4.
Flour, Wheat. Washburn Crosby Company. 226,755; May 4.
Flour, Wheat. Wichita Flour Mills Co. 226,524; May 4.
Fruits, Fresh citrous. Highland Exchange Association. 217,782; May 4.
Fruits, Fresh citrous. C. D. Hubbard Fruit Co. 222,249; May 4.
Grapes. M. A. Chapdelain. 228,027; May 4.
Grapes, Fresh. Pinkham Holdings Co. 217,112; May 4.
Gum, Chewing. American Chicle Company. 227,339; May 4.
Malt extract for food purposes. C. Friedenberg. 217,457; May 4.
Malt extract for use as a food, Hop-flavored. Tag-Hart Malt Products Co. 224,301; May 4.
Malt sirup extract for food purposes and malt sirup extracts flavored with hops. Tag-Hart Malt Products Co. 224,302; May 4.
Malt sirup extract for use as a food. Tag-Hart Malt Products Co. 224,299; May 4.
Mayonnaise salad dressing. F. R. Durry. 227,345; May 4.
Melons. E. C. Arnold. 212,227; May 4.
Milk, Bacillus acidophilus cultured. Detroit Creamery Co. 229,325; May 4.
Olive oil. S. Montaperto. 227,275; May 4.
Olive oils, Pure. Carbonell & Co. (S. en C.). 227,876; May 4.
Oranges, lemons, and grapefruit. Highgrove Fruit Association. 217,775–6; May 4.
Oranges, lemons, and grapefruit. Highland Exchange Association. 217,779; May 4.
Oranges, lemons, and grapefruit. Ventura Citrus Association. 222,292; May 4.
Peaches, pears, plums, and apples. Fennville Fruit Exchange. 228,098; May 4.
Peanut butter, prepared mustard, and tomato catchup. Union Food Products Co. 229,066; May 4.
Pickles, mustard, catchup, jellies, jams, fruit butters, and fruit preserves. Squire Dingee Company. 228,207; May 4.
Potatoes. F. P. Fisher. 228,602; May 4.
Salad oil, Pure. N. Goodman & Son. 229,230; May 4.
Sauce for meats, gravies, soups, fish, and cheese. E. C. Stevens. 228,569; May 4.
Sirup and molasses, Table. W. R. Tansey. 222,805; May 4.
Tea. Palmetto Coffee Company. 228,662; May 4.

CLASS 50.

Badges, emblems, medals, name plates, etc. L. F. Grammes & Sons, Inc. 210,727; May 4.
Fabrics in the nature of artificial leather, Coated and impregnated. Kenworthy Brothers Company. 216,838; May 4.
Fiber or cotton for protecting perishable objects, Impregnated airtight material made of. Food Flavour Preservation Process Limited. 217,082; May 4.
Incubators. H. M. Sheer Co. 227,045; May 4.
Memorials. Jones Brothers Company. 223,513; May 4.
Shirt boards made of cardboard. National Direct Advertising Corporation. 226,945; May 4.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A/S de Norske Saltverker. (See Backer, Christian B., assignor.)

Abbiuso, Joseph, Milford, Mass. Automobile jack handle. 1,582,889; May 4.

Abercrombie, Newton L., Drew, assignor of one-half to A. M. Cargile, Summerland, Miss. Boll-weevil-exterminating machine. 1,583,434; May 4.

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Roof covering. 1,583,563; May 4.

Adler, Milton M., Newark, N. J. Detonating toy. 1,583,513; May 4.

Adriaenssens, François, Antwerp, Belgium. Spring fastening for motor cars. 1,583,104; May 4.

Advance Pattern and Production Company. (See Walker, Glen J. and F. M., assignors.)

Aichele, Gottlob, Neilingen, near Esslingen, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany. Typewriting machine. 1,583,514; May 4.

Ainsworth Manufacturing Company. (See Purdy, Raymond J., assignor.)

Ainsworth, William A. (See Coleman, Joseph E., assignor.)

Aktiebolaget Vaporackumulator. (See Josse, Emil, assignor.)

Albrecht, Arthur, St. Louis, assignor of one-half to J. Blackburn, Webster Groves, Mo. Insulator support. 1,583,515; May 4.

Alcantarilla, Luis B. (See Molina, Eugenio D. H., and Alcantarilla.)

Aldrich, Loyd I., assignor to Heart Oil Burner Co., Peoria, Ill. Liquid-fuel atomizer. 1,583,564; May 4.

Aley, Victor H., and A. E. McFarland, Wilson, Okla. Wrench. 1,583,331; May 4.

Allen, David, San Francisco, Calif. Collar support and necktie holder. 1,583,267; May 4.

Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 70,046; May 4.

Almy, Charles, jr., assignor to Dewey & Almy Chemical Company, Cambridge, Mass. Apparatus for spreading lining material on covers. 1,582,886; May 4.

American Can Company. (See Young, John M., assignor.)

American Metal Company. (See Schleicher, Henry M., assignor.)

American Optical Company. (See Sheard, Charles, assignor.)

American Oven & Machine Company. (See Diederichs, Paul O., assignor.)

American Piano Company. (See Stoddard, Charles F., assignor.)

American Radiator Company. (See Landon, Archer A., assignor.)

American Seeding Machine Company, The. (See Braley, W. L., and Faas, assignors.)

American Syrup & Preserving Company. (See Rich, Bernard, assignor.)

American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)

American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)

American Telephone and Telegraph Company. (See Walters, J. N., and Ewing, assignors.)

American Wiremold Company. (See Frederickson, Otto A., assignor.)

Andersen, Anders H., Poughkeepsie, N. Y. Class ring. Des. 70,047; May 4.

Anderson, James S. (See Karpinsky, S., and Anderson.)

Anderson, Oscar, jr., and T. McCarthy, Fall River, Mass. Bottle washer. 1,583,219; May 4.

Anderson, Robert L. (See Shearon, Charles E., assignor.)

Anderson, S. F., Rockford, assignor, by mesne assignments, to Peerless Pneumatic Systems, Inc., Chicago, Ill. Spray gun. 1,583,220; May 4.

Anderson, Thomas W., Little Rock, Ark. Finishing wood. 1,582,887; May 4.

Anderson, Thomas W., Little Rock, Ark. Wood-finishing material. 1,582,888; May 4.

Andrews, John, Nokomis, Ill. Rib hook. 1,583,485; May 4.

Anfield, William H., St. Louis, Mo. Making multicolored concrete floors. 1,583,516; May 4.

Angell, Robert H. (See Stanley, M. H., and Angell.)

Angelus Specialty Company. (See Long, John R., assignor.)

Ansco Photoproducts, Inc. (See Bornmann, Carl A., assignor.)

Ansco Photoproducts, Inc. (See Turk, James W., assignor.)

Appleby, Thomas, Philadelphia, Pa. Variable resistance. 1,583,105; May 4.

Arnold, Arthur W., Lapine, Oreg. Vehicle truck. 1,583,241; May 4.

Arnold, Mervin V. (See Jeffers, Clarence E., assignor.)

Asbury, Charles T., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Sound-wave-amplifying device. 1,583,565; May 4.

Ashe, Lauren H. (See Kohman, H. A., and Ashe.)

Ashley, James P., and L. D. Whitehead, Newport, England. Rolling-mill and like coupling. 1,582,890; May 4.

Ashton, Francis E. (See Flanigan, J. E., and Ashton.)

Aston, Albert A. (See Bates, A., Ricks, and Aston.)

Atkins, E. C., & Company. (See Whitney, William E., assignor.)

Atkinson, George K., Aurora, Ind. Vehicle mounting. 1,583,106; May 4.

Atkinson, James S., London, Westminster, England, assignor to Societe Anonyme des Appareils de Manutention & Fours Stein, Paris, France. Furnace for the combustion of fuel. 1,583,436; May 4.

Atkinson, Ralph W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable joint. 1,583,766; May 4.

Atlantic Manufacturing Company. (See Booth, Clarence Y., assignor.)

Avera, Arch U., Florence, Ala. Power-transmission system for boats and the like. 1,583,641; May 4.

Avery, Charles E., East Orange, assignor to Manhattan Electrical Supply Company, Incorporated, Jersey City, N. J. Electrical receptacle. 1,582,957; May 4.

Auerbach, Zemach, New York, N. Y. Card index. 1,583,437; May 4.

Automatic Electric Inc. (See Martin, Talbot G., assignor.)

Automatic Electric Inc. (See Wicks, John, assignor.)

Automotive Maintenance Machinery Co. (See Heon, Horace C., assignor.)

Axelson, Fritz, Denver, Colo. Starting-crank support. 1,583,566; May 4.

B. O. T. Mfg. Co. (See Tilden, Bert O., assignor.)

Babcock & Wilcox Company, The. (See Cassidy, Perry, assignor.)

Babcock & Wilcox Company, The. (See Meiklereid, Duncan G., assignor.)

Backer, Christian B., Brooklyn, N. Y., assignor of two-thirds to A/S de Norske Saltverker, Bergen, Norway. Producing an adherent coating of an oxygenous magnesium compound, and object comprising same. Re16,340; May 4.

Badeker, John, Chicago, Ill., assignor to Chicago Standard Metallic Packing Company, Omaha, Nebr. Metallic rod packing. 1,583,107; May 4.

Badger Manufacturing Corporation. (See Starck, William A., assignor.)

Bailey, Rufus W., Kansas City, Mo. Automotive vehicle. 1,583,642; May 4.

Baker, Frank E., assignor to Chapin-Skelton Corporation, Syracuse, N. Y. Garment-pressing machine. 1,582,891; May 4.

Ball, Frederick W., Vancouver, assignor of one-third to J. J. Logan, Agassiz, and one-third to R. W. Jenkins, Vancouver, British Columbia, Canada. Ice-cream mold. 1,583,643; May 4.

Ball, Joseph A., Jamaica Plain, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Color cinematography. 1,583,108; May 4.

Ballard, James H., Maplewood, Mo., assignor to Craddock Terry Company, Lynchburg, Va. Shoe. 1,582,958; May 4.

Balletto, Paul, Long Island City, N. Y. Grinding mill or triturator. 1,583,644; May 4.

Bamberg, Carl. (See Wünsch, Guido, assignor.)

Banschbach, Edward A., Chicago, Ill. Buffer-testing device. 1,583,109; May 4.

Baragwanath, Neysa McMein, New York, N. Y., assignor to Stehli Silks Corporation. Textile fabric. Des. 70,048; May 4.

Barany, Edmund R., Brooklyn, N. Y., assignor to Yale Electric Corporation. Battery box. 1,583,517; May 4.
Bargen, William J., Waukegan, Ill., and W. R. Brennan, Missoula, Mont. Pen and pencil box. 1,583,645; May 4.
Bargen, William J., Waukegan, Ill., and W. R. Brennan, Missoula, Mont. Seat-adjusting means. 1,583,646; May 4.
Barham, Robert M., Leaksville, N. C. Sign. 1,583,438: May 4.
Barr, Archibald, and W. Stroud, Anniesland, Glasgow, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Apparatus for the control of gunfire. 1,583,439; May 4.
Barr and Stroud, Limited. (Barr, A., and Stroud, assignors.)
Bart, Blasius, Newark, N. J., Forming reflecting surfaces. 1,583,268; May 4.
Bart, Blasius, East Orange, N. J. Glass protector for reflectors. 1,583,269; May 4.
Bassist, Ellis, Westwood, N. J. Halftone plate. 1,583,518; May 4.
Bates, Arthur, F. Ricks, and A. A. Aston, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Cutter adjustment. 1,582,959; May 4.
Bauer, George, St. Louis, Mo. Tone amplifier. 1,583,382; May 4.
Baugher, Harlie T., and J. E. Milum, Trenton, Mo. Safety signal and motor-car control. 1,583,110; May 4.
Baumgartl, Leroy, Hubbard Woods, assignor to Federal Cement Tile Company, Chicago, Ill. Building slab. 1,583,111; May 4.
Bayles, William E., Fort Smith, Ark. Holding drying lumber under pressure. 1,583,647; May 4.
Beadle, Warren E., Wisconsin Rapids, Wis., assignor to Beloit Iron Works. Fan for paper driers. 1,582,892; May 4.
Becker, John J., Maspeth, N. Y. Mechanical toy. 1,583,567; May 4.
Beebe, Murray C., Cincinnati, Ohio, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Medallion-etching process. 1,583,519; May 4.
Behimer, Otto, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for treating hydrocarbon oils. 1,582,893; May 4.
Behrsing, David, and F. W. Henke, jr., assignors to Fox Automotive Products Corporation, Philadelphia, Pa. Hand-starting-crank mechanism for engines. 1,583,332; May 4.
Beloit Iron Works. (See Beadle, Warren E., assignor.)
Bender, George W., assignor to Mudge & Company, Chicago, Ill. Ventilator. 1,582,894; May 4.
Bendix Brake Company. (See Sanford, Roy S., assignor.)
Benjamin, Merrill G., Lakewood, Ohio. Furnace control. 1,583,440; May 4.
Benner, Raymond C., Bayside, assignor to The Prest O-Lite Company, Inc., New York, N. Y. Storage battery. 1,583,648; May 4.
Benner, Raymond C., Bayside, assignor to The Prest-O-Lite Company, Inc., New York, N. Y. Active-material support for storage cells. 1,583,649; May 4.
Bentley, Anson J., Niles, Ohio. Freezing can. 1,583,112; May 5.
Berkeley, Laurence J., Youngstown, Ohio. Spike machine. 1,582,895; May 4.
Berkowitz, Leon L., Philadelphia, Pa. Lamp shade and making same. 1,583,568; May 4.
Berrenberg, Reinold, Boston, Mass. High-vacua pump. 1,582,960; May 4.
Berrenberg, Reinold, Boston, Mass. High-vacua pump. 1,582,961; May 4.
Berry, Joel H., Norfolk, Va. Fluid-pressure regulation. 1,582,896; May 4.
Bessee, Frank E., Los Angeles, Calif. Handle or grip. 1,583,270; May 4.
Betzler, Charles E., St. Louis, Mo. Circuit closer. 1,583,113; May 5.
Bierly, Albert S., Chicago, Ill. Skate. 1,583,114; May 4.
Biette, Inc. (See Biette, Maxime, assignor.)
Biette, Maxime, Nantes, France, assignor to Biette, Inc., New York, N. Y. Display box for soaps. Des. 70,049; May 4.
Biflex Products Corporation. (See Grotenhuis, William J., assignor.)
Bigum, Hans J. J., Copenhagen, Denmark. Rotary cooling drum. 1,583,333; May 4.
Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Oil-cooled transformer. 1,583,383; May 4.
Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer tank. 1,583,384; May 4.
Binkovitz, Reuben, New York, N. Y. Mattress ticking. Des. 70,050; May 4.
Binkovitz, Reuben, New York, N. Y. Mattress ticking. Des. 70,051; May 4.
Birdsboro Steel Foundry & Machine Company. (See Lausucq, Henri P. L., assignor.)
Biro, Ladislaus, Newark, N. J. Surgical instrument. 1,583,271; May 4.
Bishop, George E., Cleveland, Ohio. Automobile door handle. 1,583,385; May 4.
Bjorge, Oscar B., Portland, Oreg., assignor to Clyde Iron Works, Duluth, Minn. Trolley carriage. 1,582,962; May 4.
Blabon, Geo. W., Company, The. (See Cartwright, Frank, assignor.)
Black, Mathew and S. Olkin, Brooklyn, N. Y. Garment-supporting clamp or clasp. 1,583,386; May 4.
Blackburn, Jasper. (See Albrecht, Arthur, assignor.)
Blackmore, Charles C., Dayton, Ohio. Toy vehicle. 1,583,115; May 4.
Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press feed-control mechanism. 1,582,897; May 4.
Blanck & Co. (See Press, Elizabeth A., assignor.)
Blankenship, James S., Bend, Oreg. Headlight mechanism. 1,583,569; May 4.
Blatchford Calf Meal Company. (See Caldwell, Ralph E., assignor.)
Blenko, William, Milton, W. Va. Art glass and making the same. 1,583,441; May 4.
Blickman, S., Inc. (See Ershler, Samuel H., assignor.)
Bloom, Edward, Marion, Ind. Gasoline gauge. 1,583,272; May 4.
Bloom, Mary, South Chicago, Ill. Bed covering. 1,583,334; May 4.
Blue Tip Pile Wire & Knife Company. (See Lockman, Dean E., assignor.)
Bobo, Edward H., Ranger, Tex. Swinging-door stop. 1,583,650; May 4.
Bobrow, Jacob, Brooklyn, N. Y. Hinge and the hingedly connecting of temples to frames of spectacles. 1,582,898; May 4.
Bolt, Joseph C., Boundbrook, N. J. Method and apparatus for vulcanizing inner tubes or the like. 1,583,520; May 4.
Bondi, Joseph. (See Miller, Nicholas S., assignor.)
Bonney, Henry L., North Andover, assignor to The David Brown Company, Lawrence, Mass. Automatically-threading shuttle. 1,583,387; May 4.
Boomershine, Adam, Dayton, Ohio. Dispensing apparatus. 1,582,963; May 4.
Booth, Clarence Y., assignor to Atlantic Manufacturing Company, Wilmington, Del. Wedge for rubber heels. 1,583,570; May 4.
Boothe, Gardner L., executor. (See Janney, Robert E. L.)
Bornmann, Carl A., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Automatic film-winding camera. 1,583,116; May 4.
Borschel, Alfred F., Buffalo, N. Y. Valve silencer. 1,583,335; May 4.
Borton, Alwyn E. (See Squarcy, E. M., Koch, and Borton.)
Bösebeck, Emil, Barmen, Germany, assignor to M. Henkels, New York, N. Y. Machine-braided torchon lace and making same. 1,583,273; May 4.
Bostock, William F., South Braintree, Mass. Shoe upper with ornamental inlays. 1,583,274; May 4.
Bosworth, William H., New York, N. Y., assignor to George Haiss Manufacturing Company. Wagon loader. 1,582,964; May 4.
Boynton, Carl W., Philadelphia, Pa., assignor, by mesne assignments, to the government of the United States and to the people of the United States. Making vesicular products. 1,583,521; May 4.
Bradford, Eugene S., Detroit, Mich. Plate-trimming mechanism. 1,582,965; May 4.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kleisrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,583,117; May 4.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Braley, William L., and H. N. Faas, assignors, to The American Seeding Machine Company, Springfield, Ohio. Grain drill. 1,583,118; May 4.
Brandstetter, Josef, Chicago, Ill. Vehicle cleaner. 1,583,522; May 4.
Brannon, Nem W., Greer, S. C., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting temple for looms. 1,583,752; May 4.
Bransky, Oscar E. (See Glair, H. F., and Bransky.)
Bräuning, Karl A. (See Ledin, C., and Bräuning.)
Bregman, Harry, Lorain, Ohio, assignor to The Steel Stamping Company. Sadiron handle. 1,583,242; May 4.
Brehm, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-lens-carriage clamp. 1,583,651; May 4.
Brenkert, Joseph W., San Diego, Calif. Vehicle direction and stop signaling means. 1,583,119; May 4.
Brennan, William R. (See Bargen, W. J., and Brennan.)
Brenner, Benjamin, Providence, R. I. Vanity case. 1,583,120; May 4.
Brink, Carl A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,583,243; May 4.
Brinker, Elwood S., Newark, and J. R. Haviland, Jersey City, N. J., assignors to Shur Loc Elevator Safety Company, New York, N. Y. Elevator. 1,583,966; May 4.
Briscoe, Fred S., San Francisco, Calif. Pie pan. 1,583,523; May 4.
British Aluminium Company, The. (See Gwyer, A. G. C., and Phillips, assignors.)

Broadhead, Albert. (See Broadhead, Joseph, assignor.)
Broadhead, Joseph, assignor of one-half to A. Broadhead, Edmonton, Alberta, Canada. Hoist. 1,583,442; May 4.
Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Motor drive. 1,583,275; May 4.
Brooks, Fred, St. Albans, W. Va. Folding trestle. 1,583,652; May 4.
Brown, Alexander T., Syracuse, N. Y. Tractor frame for agricultural machines. 1,582,967; May 4.
Brown, Charles A. (See Davol, George K., assignor.)
Brown, David, Company, The. (See Bonney, Henry L., assignor.)
Brown, Westgarth S. F., and J. Maina, London, England. Pinion. 1,583,276; May 4.
Bruignes, Johannes. (See Host, G., Oosterhuis, and Bruignes.)
Brush, Alanson P., Detroit, Mich. Brake-operating mechanism. 1,583,121; May 4.
Bryant, Charles L., Cleveland, Ohio. Valve-control mechanism. 1,583,122; May 4.
Bryant, Frank L., Joliet, Ill. Packing apparatus. 1,582,968; May 4.
Bryant, Henry E., Providence, assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Overrunning preventer for winding machines. 1,583,524; May 4.
Bryant, Henry E., Providence, assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Overrunning preventer for winding machines. 1,583,525; May 4.
Bryant, Henry E., Providence, assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Overrunning preventer for winding machines. 1,583,526; May 4.
Burd High Compression Ring Company. (See Higging, George H., assignor.)
Burdette, Richard S., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Closing openings in rubber products. 1,583,571; May 4.
Burris, Clark E. (See Heath, J. C., and Burris.)
Burris, Clark E., and J. C. Heath, Des Moines, Iowa. Game. 1,583,244; May 4.
Burrow, George A. (See Burrow, James H. and G. A.)
Burrow, James H. and G. A., assignors to Burrow Manufacturing Company, Spokane, Wash. Repair shield. Re16,341; May 4.
Burrow Manufacturing Company. (See Burrow, James H. and G. A., assignors.)
Burton, Charles S., Oak Park, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Oil gun. 1,582,969; May 4.
Burton, Isadoer, Pittsburgh, Pa. Mining machine. 1,583,572; May 4.
Butler, Thomas H., Bristol, H. W. Robinson, Cleobury Mortimer, and D. W. Parkes, Birmingham, England. Production of fuel mixtures. 1,583,573; May 4.
Butterick Publishing Company, The. (See Cook, Frank A., assignor.)
Caldwell, Edwin, New York, N. Y. Combined cigarette and match receptacle. Des. 70,052; May 4.
Caldwell Lawn Mower Company. (See Wagner, H. W., Case, and Gedney, assignors.)
Caldwell, Ralph E., assignor to Blatchford Calf Meal Company, Waukegan, Ill. Chart for feeding. 1,583,527; May 4.
Cargile, Andrew M. (See Abercrombie, Newton L., assignor.)
Carlson, Gustave A., Detroit, Mich. Chain and wheel for sash-regulating devices. 1,583,221; May 4.
Carlson, John, Springfield, Mass. Adjustable skate. 1,583,277; May 4.
Carpenter, R. F., Manufacturing Company, The. (See Malmsberg, Arvid J., assignor.)
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for taking and projecting motion pictures. 1,583,653; May 4.
Carrier, Albert H., Asheville, N. C., assignor of one-half to E. W. Grove, St. Louis, Mo. Fiber material or product. 1,583,654; May 4.
Carrier Engineering Corporation. (See Lewis, Leo L., assignor.)
Carter, Clarence W., Minneapolis, Minn. Liquid-flow-measuring device. 1,583,574; May 4.
Carter, David T. (See Emley, J. C., and Carter.)
Carter's Ink Company, The. (See De Witt, William P., assignor.)
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa. Rug. Des. 70,053; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa. Rug. Des. 70,054; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa. Rug. Des. 70,055 May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa. Rug. Des. 70,056; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Company, Philadelphia, Pa. Rug. Des. 70,057; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,058; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,059; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,060; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,061; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,062; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,063; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,064; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,065; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,066; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar article. Des. 70,067; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Rug or similar article. Des. 70,068; May 4.
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,069; May 4.
Case, Arthur D. (See Wagner, H. W., Case, and Gedney.)
Casey, Arthur L., Vicksburg, Miss. Car door. 1,583,443; May 4.
Cassidy, Perry, Riverside, Conn., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for treating oils. 1,582,899; May 4.
Castonguay, Leger S., assignor to The Williams Foundry and Machine Company, Akron, Ohio. Vulcanizer. 1,582,900; May 4.
Causey, Daniel W., Norfolk, Va. Workbox suitable as a darning last or the like. 1,583,245; May 4.
Central Scientific Company. (See Klopsteg, P. E., and Mann, assignors.)
Central Steel Company, The. (See Orr, William S., assignor.)
Century Mop Corporation. (See Lamb, Henry W., assignor.)
Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
Chamberlain, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. 1,583,655; May 4.
Champion Pneumatic Machinery Company. (See Rayfield, George T., assignor.)
Chapin-Skelton Corporation. (See Baker, Frank E., assignor.)
Chapman, Albert K., and O. Wittel, assignors to Eastman Kodak Company, Rochester, N. Y. Combined film-footage indicator and latch. 1,583,656; May 4.
Chapman, Charles F., Rochester, N. Y. Combination tea wagon and dishwashing machine. 1,583,657; May 4.
Chemische Fabrik Griesheim-Elektron, The. (See Pistor, G., Schultze, and Reitz, assignors.)
Chisl, John, Detroit, Minn. Loader. 1,583,336; May 4.
Chicago Standard Metallic Packing Company. (See Badeker, John, assignor.)
Chiles, George S., Chicago, Ill., assignor to Dalman, Chiles Company. Railway truck. 1,582,901; May 4.
Chiles, George S., Chicago, Ill., assignor to Dalman, Chiles Company. Railway-car truck. 1,582,902; May 4.
Chiron, Hippolyte M., New York, N. Y. Ligature for mouthpieces of musical instruments. 1,583,337; May 4.
Christman, Peter J., jr., Green Bay, Wis. Apparatus for making stretchable paper. 1,582,970; May 4.
Chrysler Corporation. (See Maynard, Howard E., assignor.)
Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)
Cincinnati Butcher's Supply Company, The. (See Schmidt, Oscar C., assignor.)
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,583,232; May 4.
Clapp, William F., Cambridge, Mass. Preserving wooden marine structures. 1,582,903; May 4.
Clark, John T., Provo, Utah. Pneumatic tire. 1,583,388; May 4.
Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing pentaerythritol tetracetate. 1,583,658; May 4.
Clarke, James P., New York, N. Y. Spare-tire safety guard. 1,583,659; May 4.
Clausing, Leroy M. E., Chicago, Ill. System for generating radiofrequency currents. 1,583,123; May 4.
Clay, Andrew B., jr., Bunceton, Mo. Oil burner. 1,583,338; May 4.
Clements, George, Chicago, Ill. Blower. 1,583,528; May 4.
Cleveland, Roy I. (See Cleveland, Sherman L. and R. I.)
Cleveland, Sherman L. and R. I., Kelso, Wash. Cake-decorating machine. 1,583,389; May 4.

Clutsom, Charles, Coalville, England. Elastic thread, cord, and the like and to elastic web made therefrom. 1,583,278; May 4.
Clyde Iron Works. (See Bjorge, Oscar B., assignor.)
Coates, John W., Detroit, Mich. Wheel for industrial trucks. 1,583,222; May 4.
Coberly, Clarence J., Walnut Park, Calif., assignor to Purox Company, Denver, Colo. Gauge. 1,583,575; May 4.
Coburn, James W., Highland Park, assignor of one-fourth to C. E. Wisner, Detroit, Mich. Centrifugal casting machine. 1,583,576; May 4.
Cocksedge, Herbert E., Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y. Sodium compound and forming the same. 1,583,660; May 4.
Cocksedge, Herbert E., Hartford, England, assignor to The Solvay Process Company, Solvay, N. Y. Forming sodium compounds. 1,583,661; May 4.
Coe, Daniel E., Holbrook, Mass. Splicing tool. 1,583,444; May 4.
Cofland, William T., Vinton, Iowa. Lawn mower. 1,583,124; May 4.
Coldwell Lawn Mower Company. (See Wagner, Hayden W., assignor.)
Coleman, Clyde E., Detroit, Mich. Brake. 1,583,529; May 4.
Coleman, Joseph E., Grand Rapids, Mich., assignor to W. A. Ainsworth, Utica, N. Y. Yarn-dyeing machine. 1,583,577; May 4.
Coleman Lamp Company, The. (See Strong, H. W., and Davidson, assignors.)
Collins, Newell L., Iowa City, Iowa. Semidry electrolyte for storage batteries. 1,583,445; May 4.
Combustion Control Company. (See Potter, Frederick D., assignor.)
Conley, Edwin J., New York, and E. J. Whalen, Howard Beach, N. Y. Mechanism for supplying foil. 1,583,339; May 4.
Conley, George W., Wheaton, Ill. Smoking pipe. 1,582,971; May 4.
Conley, John M., assignor of one-fourth to L. J. Smallpage, Stockton, Calif. Demountable grouter attachment for tractors. 1,583,390; May 4.
Conrey, Thurman M., Wichita Falls, Tex. Drill or coring tool. 1,582,904; May 4.
Continental Can Company. (See Tallaferro, J. C., and Kronquest, assignors.)
Cook, Frank A., Madison, N. J., assignor to The Butterick Publishing Company, New York, N. Y. Magazine-display device. 1,583,391; May 4.
Cooke, Maren K., Spokane, assignor to A. M. Hull, McKenna, Wash. Card game. 1,583,223; May 4.
Cooper, Herbert P. (See Duerden, James H., assignor.)
Corlett, Edwin H., M. W. Garnett, and H. I. Doremus, East Cleveland, Ohio. Map and making it. 1,583,125; May 4.
Cosby, Eric L. H., Teddington, England. Brush. 1,583,664; May 4.
Coty, Alfred C., assignor to The Watertown Bag Machine Co., Inc., Toledo, Ohio. Apparatus for making paper bags. 1,583,392; May 4.
Coty, Alfred C., Toledo, Ohio, assignor to The Watertown Bag Machine Co., Inc. Paper-bag machine. 1,583,393; May 4.
Coty, Alfred C., Carthage, N. Y., assignor to The Watertown Bag Machine Company, Inc., Tongue-cutting device for paper-bag machines. 1,583,394; May 4.
Courtney, Jonathan E., Fayetteville, N. C. Air tube for tires. 1,582,972; May 4.
Coventry, Lucion T. (See Reece, F. A., and Coventry.)
Cox, Walter E., Princeton, Ind. Coal gathering and loading machine. 1,583,665; May 4.
Crabtree, R. W., and Sons, Limited. (See Pythian, Thomas E., assignor.)
Craddock Terry Company. (See Ballard, James H., assignor.)
Craib, Frederick, Martinez, Calif. Electric wall bracket. Des. 70,070; May 4.
Crane, Newton, assignor to Walworth-English-Flett Company, Boston, Mass. Leakage-tight joint. 1,583,126; May 4.
Crary, Alexander P., New York, N. Y. Steel form. 1,582,905; May 4.
Creamery Package Mfg. Company, The. (See Valerius, T. L., and Larsen, assignors.)
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,583,279; May 4.
Crocker, Clarence T., R. Stearns, and L. W. Webb, Schenectady, N. Y., assignors to General Electric Company. Power system. 1,583,578; May 4.
Crompton & Knowles Loom Works. (See Flanigan, J. E. and Ashton, assignors.)
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
Crocker, Edward T., Columbus, Ohio. Calendar. 1,583,666; May 4.
Cross, Guy C., Denver, Colo. Photographic enlarging easel. 1,583,446; May 4.
Crozier, Robert H., London, England. Fractionation of hydrocarbon oils and like liquids. 1,583,340; May 4.
Cuisinier, Henri G. (See Uttendorfer, M., and Cuisinier.)
Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Folding wall fixture. 1,583,280; May 4.
Cunliff, Edward A., assignor to J. K. Lanning, Fall River, Mass. Weft-replenishing loom. 1,583,447; May 4.
Currier, Alfred M., Aberdeen, Wash. Insertable saw tooth and holder therefor. 1,583,667; May 4.
Curtis, Edward K., Brooklyn, N. Y., assignor to Manufacturers' and Inventors' Electric Company, New York, N. Y. Device for making precision adjustments. 1,583,281; May 4.
Curtis, William H., West Baden, Ind. Portable adjustable bathing structure. 1,583,127; May 4.
Daimler-Motoren-Gesellschaft. (See Aichele, Gottlob, assignor.)
Dale, William B., Winnetka, assignor to Street & Kent Mfg. Co., Chicago, Ill. Laundry-tub cock. 1,583,128; May 4.
Dalley, F. F. Company. (See Nennstiehl, Henry L., assignor.)
Dalman, Chiles Company. (See Chiles, George S., assignor.)
Daniels, Lee G., Rockford, Ill. Safety valve for oil burners and the like. Re16,339; May 4.
Daniels, Lloyd C. (See Rogers, D. G., and Daniels.)
Davidson, Charles E. (See Strong, H. W., and Davidson.)
Davidson, Morgan W., Vermilion, S. Dak. Two-cycle internal-combustion engine. 1,583,668; May 4.
Davidson, Trevor, and E. W. Davis, South Milwaukee, Wis. Wrapping machine. 1,583,395; May 4.
Davis, Elmer W. (See Davidson, T., and Davis.)
Davis, Roy P. M. (See McClelland, William H., assignor.)
Davol, George K., San Francisco, Calif., assignor of fourfifths to C. A. Brown, Hinsdale, Ill. Internal-combustion engine. 1,583,669; May 4.
Davol, George K., San Francisco, Calif, assignor of fourfifths to C. A. Brown, Hinsdale, Ill. Internal-combustion engine. 1,583,670; May 4.
Davol, George K., San Francisco, Calif., assignor to C. A. Brown, Hinsdale, Ill. Internal-combustion engine. 1,583,671; May 4.
Davol, George K., San Francisco, Calif., assignor to C. A. Brown, Hinsdale, Ill. Regulator for internal-combustion engines. 1,583,672; May 4.
Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)
Decrette, Charles, New York, N. Y. Propeller or blower. 1,583,341; May 4.
De Forrest Corporation. (See Swarts, Harry J., assignor.)
De Graer, Jules H., Brussels, Belgium. Producing hydrogen from water gas. 1,583,673; May 4.
De Lavaud, Dimitri S., Paris, France. Clutch mechanism. 1,583,530; May 4.
De Lavaud, Dimitri S., Paris, France. Variable-speed power transmission. 1,583,531; May 4.
De Lavaud, Dimitri S., Paris, France. Power-transmission mechanism. 1,583,532; May 4.
Deming Company, The. (See Deming, William L., assignor.)
Deming, William L., assignor to The Deming Company, Salem, Ohio. Grease gun. 1,583,533; May 4.
Demuth, Alfred M., Chicago, Ill. Cooking apparatus. 1,583,396; May 4.
Denegri, Carlo, et al. (See Garbarino, Silvio, assignor.)
Denis, Charles A., et al. (See Dominguez, Manuel D., assignor.)
Denny, John S., Long Beach, Calif. Automatic pump control. 1,583,282; May 4.
Desilets, Albert, assignor to Transferable Safety Pocket Company, Manchester, N. H. Pocket. 1,583,674; May 4.
Dewey & Almy Chemical Company. (See Almy, Charles, jr., assignor.)
De Witt, William P., Somerville, assignor to The Carter's Ink Company, Cambridge, Mass. Fountain-pen cap. 1,583,579; May 4.
Dickerson, Malcolm, Newark, N. J., assignor, by mesne assignments, to Great Northern Fur Dyeing and Dressing Corporation, Springfield Gardens, N. Y. Fur-shearing machine. 1,583,675; May 4.
Diederichs, Paul O., assignor to American Oven & Machine Company, Chicago, Ill. Mixing machine. 1,583,129; May 4.
Dinesen, Laurits, Minneapolis, Minn. Milking apparatus. 1,583,580; May 4.
Ditson, Jesse, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. Re16,346; May 4.
Dlugosch, Louis S., Storm Lake, Iowa. Hot-water-circulating system. 1,583,342; May 4.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,582,906; May 4.
Dodd, John A., Camden, N. J. Machine for forming and trimming metal shells. 1,582,973; May 4.
Dodds, Robert P. (See Egy, W. L., and Dodds.)
Dominguez, Manuel D., assignor of one-half to C. A. Denis and one-half to G. Sarpy, New Orleans, La. Telephone diaphragm. 1,583,581; May 4.

Dominguez, Manuel D., assignor of one-half to C. A. Denis and one-half to G. Sarpy, New Orleans, La. Electric hammer. 1,583,582; May 4.
Dominguez, Manuel D., assignor of one-half to C. A. Denis and one-half to G. Sarpy, New Orleans, La. Electric hammer. 1,583,583; May 4.
Domizi, David F., Cleveland, Ohio. Heating oven. 1,583,397; May 4.
Donat, Joseph L., Chicago, Ill. Heating device. 1,583,246; May 4.
Donning, George W., Bridgeport, Conn. Carburetor. 1,583,684; May 4.
Doremus, Howard I. (See Corlett, E. H., Garnett, and Doremus.)
Dorr Company, The. (See McGuire, Philip J., assignor.)
Doughty, Leon A., Glenside, Pa. Storage-battery box. 1,583,247; May 4.
Dour, Emil J., et al. (See Prince, Aladar, assignor.)
Dour, Frederick J., et al. (See Prince, Aladar, assignor.)
Dour, Leon T., et al. (See Prince, Aladar, assignor.)
Draper Corporation. (See Brannon, Nem M., assignor.)
Dreaper, William P., London, England. Manufacture of artificial silk and like materials from viscose solutions. 1,583,534; May 4.
Dreher, Carl M., Nora Springs, Iowa. Store counter. 1,583,676; May 4.
Dreibuss, Harry C., assignor to Scullin Steel Co., St. Louis, Mo. Truck construction. 1,582,907; May 4.
Dronet, Albert, Courtenay, assignor to Société Anonyme Marcel, Moulins T/Allier, France. Log-sawing machine. 1,582,908; May 4.
Dubrovin, John, assignor, by mesne assignments, to Universe Corporation, Chicago, Ill. Compressor. 1,583,535; May 4.
Duerden, James H., assignor of one-half to H. P. Cooper, Burnley, England. Grip for cords, ropes, and the like. 1,583,343; May 4.
Duisberg, Walter, W. Hentrich, and W. Schepss, Weisdorf-on-the-Rhine, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Tripbenylmethane dye. 1,582,909; May 4.
Duncan, Edwin W., Woodward, Ala. Mud gun. 1,582,910; May 4.
Dunlap, Thaddeus C., Columbus, Ohio. Plastering machine. 1,583,283; May 4.
Durán, Arturo, assignor of one-half to J. M. Dwyer, San Antonio, Tex. Semaphore signal. 1,583,344; May 4.
Durville, Pierre H. G., Paris, France. Bottom casting. 1,583,248; May 4.
Dutt, Reno. (See Lewis, Arthur P., assignor.)
Dwyer, James M. (See Durán, Arturo, assignor.)
Dykman, Howard, East Orange, N. J. Convertible carrier. 1,583,284; May 4.
Eastman Kodak Company. (See Brehm, Frederick W., assignor.)
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Chamberlain, Benjamin D., assignor.)
Eastman Kodak Company. (See Chapman, A. K., and Wittel, assignors.)
Eastman Kodak Company. (See Clarke, Hans T., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)
Eastman Kodak Company. (See Sheppard, S. E., and Schmitt, assignors.)
Eastman Kodak Company. (See Tessier, Julien, assignor.)
Eastman Kodak Company. (See Viken, Antonius J., assignor.)
Eastman Kodak Company. (See Webb, William R., assignor.)
Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)
Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Lamp-casing ring. 1,583,677; May 4.
Egolf, Paul H., Narberth, Pa. Toy or model locomotive. 1,583,345; May 4.
Egy, Willard L. and R. P. Dodds, assignors to W. & L. E. Gurley, Troy, N. Y. Recorder. 1,583,536; May 4.
Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,583,448; May 4.
Eichorn, Fred A., Chattanooga, Tenn. Emergency brake and safety lock combined. 1,582,911; May 4.
Elden, Frank Redding, Calif. Oil cup; 1,583,678; May 4.
Electro-Motive Devices, Inc. (See Leoni, Alfonso M., assignor.)
Elkins, Charles L., Houlton, Me. Trap. 1,583,679; May 4.
Elliott Company. (See Ehrhart, Raymond N., assignor.)
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Alcoholic preparation for topical use. 1,582,912; May 4.
Emery, I. C., Baltimore, Md. Lock nut and blank therefor. 1,583,249; May 4.
Emery, Edgar A., San Antonio, Tex. Measuring and centering device. 1,583,585; May 4.
Emley, Joseph C., Philadelphia, Pa., and D. T. Carter, New York, N. Y. Baker's oven. 1,583,537; May 4.
Engel, William H., assignor of one-half to Thilmany Pulp & Paper Company, Kaukauna, Wis. Paper-making machine. 1,583,130; May 4.
Ens, Abraham G., Blumenhof, Saskatchewan, Canada. Grain-saving attachment for binders. 1,583,131; May 4.
Ensign, Emory S., Rockford, Ill. Valve cap for pneumatic tires. 1,583,538; May 4.
Enterprise Manufacturing Company of Pennsylvania, The. (See Asbury, Charles T., assignor.)
Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)
Ershler, Samuel H., assignor to S. Blickman, Inc., Weehawken, N. J. Beverage-dispensing vessel. 1,583,539; May 4.
Essex Motors. (See Fekete, Stephen I., assignor.)
Evans, Ivor H., Oakland, Calif. Hair-bobbing gauge and clamp. 1,583,540; May 4.
Egan, James E. (See Morrison, H. J., and Egan, and Manley.)
Evans, Wallace W. (See Frederick, C. C., and Evans.)
Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Signal attachment for automobile tail lights. 1,583,224; May 4.
Ewing, Claude. (See Walters, J. N., and Ewing.)
Ewing, William B., Chicago, Ill. Burner system and control therefor. 1,582,913; May 4.
Faas, Henry N. (See Braley, W. L., and Faas.)
Falley, Lewis H., assignor to M. H. Falley, Kansas City, Mo. Dredging apparatus. 1,583,132; May 4.
Falley, M. H. (See Falley, Lewis H., assignor.)
Famiglietti, Joseph A. (See Famiglietti, Rocco C. and J. A.)
Famiglietti, Rocco C. and J. A., Providence, R. I. Inspection device. 1,583,285; May 4.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Hubert, E., Leuchs, and Lock, assignors.)
Farley, Ernst W., Richmond, Va. Septic tank. 1,582,914; May 4.
Farley, Ernst W., Richmond, Va. Septic tank. 1,582,915; May 4.
Farmer, Clyde C. (See Wildin, G. W., and Farmer.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-pipe-venting device. 1,582,916; May 4.
Farmer, Clyde C., Pittsburgh, and J. C. McCune, Orange, N. J., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,582,917; May 4.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve pedestal. 1,582,918; May 4.
Farrington, Charles E., Philadelphia, Pa. Barrel-rotating device. 1,582,919; May 4.
Federal Cement Tile Company. (See Baumgartl, Leroy, assignor.)
Federal Phosphorus Company. (See Klugh, Bethune G., assignor.)
Federal Porcelain Company, The. (See Hanley, Timothy H., assignor.)
Federated Engineers Development Corporation. (See Welch, John M., assignor.)
Fekete, Stephen I., assignor to Essex Motors, Detroit, Mich. Piston for internal-combustion engines. 1,583,286; May 4.
Felgner, Richard, Brooklyn, N. Y. Window-cleaning device. 1,583,346; May 4.
Felters Company, The. (See Guillaume, Ernest M., assignor.)
Feltchaus, George H., Evansville, Ind. Dry-cleaning or dry-dyeing establishment. 1,583,712; May 4.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Forming continuous sheet glass. 1,583,541; May 4.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Apparatus for cutting sheet glass. 1,583,542; May 4.
Ferca, C. A., & Sohn. (See Langenberg, Theodor, assignor.)
Fierman, Harry, assignor of one-half to Z. Kaufman, Brooklyn, N. Y. Window screen. 1,583,133; May 4.
Fine, Bernard M. (See Ruckert, H. E., Fine, and Lund.)
Fischer, Frank, Larchmont, N. Y., and A. F. Van Pelt, Interlaken, N. J. Electrical safety control circuit for burners of explosive fuels. 1,583,586; May 4.
Fischer, Howard L., assignor to A. Hickey, St. Paul, Minn. Show-card-stenciling device. 1,582,920; May 4.
Fisher, Alexander D., Toronto, Ontario, Canada. Tubular confection. 1,583,134; May 4.
Fisher, John A., Sandusky, Ohio. Roundabout. 1,583,287; May 4.
Fitzhugh, Mayo M. (See Heard, E. F., and Fitzhugh.)
Flanders, Bert W., Lomita, Calif. License holder and key case. 1,583,225; May 4.
Flanigan, Joseph E., and F. E. Ashton, Chester, Pa., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Multiple-plunger weft detector. 1,583,135; May 4.
Fleischman, Joseph, New York, N. Y. Telephone-receiver apparatus. 1,583,449; May 4.
Flynn, Francis K. (See Wilkes, F. C. D., and Flynn.)
Flynn, John, assignor to The Williams Foundry and Machine Company, Akron, Ohio. Vulcanizer. 1,583,226; May 4.
Flynn, Mortimer F., West New Brighton, assignor to New Nap System, Inc., New York, N. Y. Machine for napping fabrics. 1,583,587; May 4.
Fowles, Alfred T., Dallas, Tex. Automatic water heater. 1,583,680; May 4.

Fox Automotive Products Corporation. (See Behrsing, D., and Henke, assignors.)
Fox, William R., Jackson, Mich. Power press. 1,583,227; May 4.
Franzen, Frank C., Rockford, Ill. Brake-operating attachment for motor vehicles. 1,583,228; May 4.
Frederick, Carl C., and W. W. Evans, Fall River, Wis. Sanitary bucket washer. 1,583,450; May 4.
Frederick, William D., Farmington, Me. Gang frame for agricultural implements. 1,583,451; May 4.
Frederickson, Otto A., Wethersfield, assignor to The American Wiremold Company, Hartford, Conn. Circular loom. 1,583,543; May 4.
French, Charles A., assignor to International Harvester Company, Chicago, Ill. Vaporizing blue-flame burner. 1,582,921; May 4.
Freud, Joseph, Chicago, Ill. Rotary pump. 1,582,922; May 4.
Friedmann, Firm Alex. (See Sprulowitz, H., and Friedmann, assignors.)
Friedmann, Louis. (See Sprulowitz, H., and Friedmann.)
Frisbey, Russell B., assignor of one-half to W. R. Oakley, Oakland, Calif. Furring nail. 1,583,544; May 4.
Frischknecht, John A., Connell, Wash. Snap hook. 1,583,347; May 4.
Frood, Herbert, and W. R. Sydee, Chapel-en-le-Frith, England. Production of patterned india rubber. 1,583,545; May 4.
Fryer, Percival J., Tonbridge, assignor to McDougall and Yalding, Limited, Yalding, Kent, England. Insecticide, sheep dip, and the like. 1,583,681; May 4.
Fuller, Leroy E. (See Weaver, J. R., and Fuller.)
Gallon Iron Works & Mfg. Co., The. (See Gorsuch, Howard F., assignor.)
Gallagher, Arthur M. (See Wanamaker, H. F., jr., and Gallagher.)
Gangeihoff, Gerhart, and M. Jordan, Minneapolis, Minn. Bed with resilient support for spring frames. 1,583,588; May 4.
Garbarino, Silvio, assignor to C. Denegri, Genon, Italy, and M. Giannoni, New York, N. Y. Composition and method of cleaning condensers and the like. 1,582,974; May 4.
Garcellano, Salustiano B., Charleston, S. C. Break relay for radio receiving-sending sets. 1,582,975; May 4.
Gardella, Albert B., Cleveland, Ohio. Percolator-top holder. 1,583,137; May 4.
Gardner Governor Company, The. (See Gardner, John W., assignor.)
Gardner, John W., Quincy, Ill., assignor to The Gardner Governor Company. Valve mechanism. 1,582,976; May 4.
Garman, Frank M., Alma Center, Wis. Furnace regulator. 1,583,452; May 4.
Garnett, Fred M., Savannah, Ga. Topographer's rule. 1,583,138; May 4.
Garnett, Max W. (See Corlett, E. H., Garnett, and Doremus.)
Garrow, James R., London, England, assignor, by mesne assignments, to Novocrete Company of America, Incorporated, New York, N. Y. Mixing composition for use with wood aggregates and structures. 1,583,713; May 4.
Gedney, Walter. (See Wagner, H. W., Case, and Gedney.)
Geiger, Goslee F., Louisville, Ky. Savings bank. Des. 70,071; May 4.
General Abrasive Company. (See Richmond, H. A., and Macdonald, assignors.)
General Electric Company. (See Crocker, C. T., Stearns, and Webb, assignors.)
General Electric Company. (See Guay, Emile J., assignor.)
General Electric Company. (See Jones, William H., assignor.)
General Electric Company. (See Leddick, George S., assignor.)
General Electric Company. (See Lieberum, George W., assignor.)
General Electric Company. (See Scott, Paul H., assignor.)
General Electric Company. (See Steinmetz, Charles P., assignor.)
General Electric Company. (See Weller, Wilhelm, assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
George, Henri, assignor to Société Anonyme "Quartz & Silice," Paris, France. Manufacture of articles in fused silica. 1,583,229; May 4.
Gerdel, Robert W., East Lansing, Mich. Powder dispenser. 1,583,139; May 4.
Germain, Anza C., Duluth, Minn. Apparatus for breaking steel tests. 1,583,453; May 4.
Gerstel, Harry P. C., Detroit, Mich. Emergency brake for vehicles. 1,583,348; May 4.
Giannoni, Mario, et al. (See Garbarino, Silvio, assignor.)
Gibson, George H., Montclair, N. J. Combustion regulation. 1,583,398; May 4.
Gill, Ernest W. B., Merton College, Oxford, and E. Green, Hendon, London, England. Vacuum-tube shield. 1,583,414; May 4.
Gilman, George H., Boston, Mass. Drilling machine. 1,583,288; May 4.
Girouard, Eddy. (See Senecal, A., and Girouard.)
Glair, Harry F., and O. E. Bransky, Whiting, Ind., assignors to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Art of removing wax from oil. 1,582,923; May 4.
Glassmobile Company. (See Loud, William C., assignor.)
Gnewotta, Herman, Cleveland, Ohio. Amusement device. 1,582,977; May 4.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Lighting fixture. Des. 70,072; May 4.
Goldrick, Albert R., assignor to B. B. Leustig, Cleveland, Ohio. Vehicle spring cover and assembling the same. 1,583,546; May 4.
Goodfellow, George P., Pasadena, assignor of one-half to R. E. Hicks, San Diego, Calif. Amusement device. 1,583,753; May 4.
Goodwin, Alfred D., Ripon, Calif. Antifriction clip for mowers. 1,583,454; May 4.
Goodyear Tire and Rubber Company, The. (See Burdette, Richard S., assignor.)
Goodyear Tire & Rubber Company. (See Sebrell, Lorin B., assignor.)
Goosmann, Justus C., Chicago, Ill. Valve. 1,583,140; May 4.
Gore, Daniel J., Mount Pleasant, N. C. Storage-battery system for vehicles. 1,582,924; May 4.
Gorsuch, Howard F., assignor to The Gallon Iron Works & Mfg. Co., Gallon, Ohio. Feeding mechanism for elevators. 1,583,349; May 4.
Gotham Silk Hosiery Company. (See Tilles, Roy E., assignor.)
Gould Storage Battery Company. (See Snyder, Almond H., assignor.)
Government of the United States and to the people of the United States. (See Boynton, Carl W., assignor.)
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Grant, David, Chicago, Ill. Arch support. 1,583,682; May 4.
Grant, David, Chicago, Ill. Arch support. 1,583,683; May 4.
Grant, David, Chicago, Ill. Arch support. 1,583,684; May 4.
Grant, David, Chicago, Ill. Arch support. 1,583,685; May 4.
Grapentin, Bruno, Greifswald, Germany. Boot-brushing apparatus. 1,583,589; May 4.
Grasselli Chemical Company. (See Howard, Henry, assignor.)
Grasselli Dyestuff Corporation. (See Duisberg, W., Hentrich, and Schepss, assignors.)
Gray, Lynn, Waupun, Wis., assignor, by mesne assignments, to Paramount Textile Machinery Co., Chicago. Hosiery drying and shaping form. 1,583,590; May 4.
Great Northern Fur Dyeing and Dressing Corporation. (See Dickerson, Malcolm, assignor.)
Green, Ernest. (See Gill, E. W. B., and Green.)
Greenawalt, William E., Denver, Colo. Apparatus for treating liquid with gas. 1,583,141; May 4.
Greenawalt, William E., Denver, Colo. Apparatus for treating liquids with gases. 1,583,591; May 4.
Greenberg, Robert W., New York, N. Y. Table mat. 1,583,547; May 4.
Griffin, James A., Memphis, Tenn. Back rests for vehicle seats. 1,583,455; May 4.
Grilli, Angelo, Milwaukee, Wis. Propeller. 1,582,978; May 4.
Gross, George H., Topeka, Kans. Cigarette container. 1,582,925; May 4.
Grotenhuis, William J., Chicago, assignor to Bifex Products Corporation, Waukegan, Ill. Automobile bumper. 1,582,979; May 4.
Grotenhuis, William J., Chicago, assignor to Bifex Products Corporation, Waukegan, Ill. Automobile rear bumper. 1,582,980; May 4.
Grotenhuis, William J., Chicago, assignor to Bifex Products Corporation, Waukegan, Ill. Automobile rear bumper. 1,582,981; May 4.
Grove, Edwin W. (See Carrier, Albert H., assignor.)
Gruman, Horace F., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Feeding mechanism for sewing machines. 1,582,926; May 4.
Grumbacher, Walter, New York, N. Y. Brush. 1,582,982; May 4.
Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Indurated material and manufacturing the same. 1,583,592; May 4.
Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)
Guillaume, Ernest M., Jackson, Mich., assignor to The Felters Company, Inc., Boston, Mass. Window channel. 1,583,230; May 4.
Guischard, Charles, Richmond Hill, N. Y. Conveyer toy. 1,583,350; May 4.
Gurley, W. & L. E. (See Egy, W. L., and Dodds, assignors.)
Gurney, Erving R., Beechhurst, assignor to International Motor Company, New York, N. Y. Cushion support for radiators. 1,583,548; May 4.
Gwyer, Alfred G. C., and H. W. L. Phillips, assignors to The British Aluminium Company, Limited, London, England. Treating aluminum-silicon alloys. 1,583,549; May 4.
Hackley, Philip B., Berkeley, Calif. Scraper attachment. 1,583,289; May 4.

Haiss, George, Manufacturing Company. (See Bosworth, William H., assignor.)
Hall, William. (See Hentschell, C. J. V., and Hall.)
Halliwell, John J., Tuckahoe, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Pin-cam-adjusting mechanism. 1,583,456; May 4.
Hamblet, Marcia C., Akron, Ohio. Playing ball. 1,582,983; May 4
Hamilton, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic regulation of echo-suppressor sensitivity. 1,582,984; May 4.
Hammerly, Herman J., Wallingford, Conn. Holder for collapsible dispensing tubes. 1,583,457; May 4.
Hammond, E. W., et al. (See Robertson, William P., assignor.)
Hänel, Paul T., Dresden, Germany. Hydraulic accumulator. 1,582,985; May 4.
Hanley, Timothy H., Cincinnati, assignor to The Federal Porcelain Company, Carey, Ohio. Nail-knob-assembling machine. 1,583,458; May 4.
Hanrahan, Francis J., Rupert, Pa. Angle-cock handle. 1,583,142; May 4.
Hansen, Svend A., Glenwood, Calif. Coin-actuated time-controlled mechanism for controlling the use of telescopes and like instruments. 1,583,143; May 4.
Hansen, Thomas C., Caney, Kans. Pin form for crowns and the like. 1,583,459; May 4.
Hansson, Nils, Chicago, Ill. Electric iron with removable heating element. 1,583,460; May 4.
Hardin, William E. (See Maynard, Roscoe O., assignor.)
Harris, Percival F., South Shields, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, Durham, England. Alternating-current electromagnet. 1,582,986; May 4.
Hart, Edward J., Philadelphia, Pa. Underfeed stoker. 1,583,144; May 4.
Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,583,290; May 4.
Hart, Gerald W., West Hartford, Conn. Remote-control electric switch. 1,582,987; May 4.
Hart Oil Burner Co. (See Aldrich, Loyd I., assignor.)
Hart, William E., San Jose, Calif. Vacuum-fuel-feed tank. 1,582,988; May 4.
Hartford Empire Company. (See Ingle, Henry W., assignor.)
Hartman, Edward J., Cincinnati, Ohio. Mop wringer. 1,583,550; May 4.
Harvey, Louis B., Sacramento, Calif. Combined vacuum tank and liquid meter. 1,583,461; May 4.
Hassel, Otto L. (See Pierce, G. L., and Hassel.)
Hatch, Alexander G., Honolulu, Hawaii, assignor to W-H Keyless Lock Company, Limited. Permutation wheel for keyless locks. 1,583,686; May 4.
Hatch, Alexander G., Honolulu, Hawaii, assignor to W-H Keyless Lock Company, Limited, Honolulu, Hawaii. Keyless lock. 1,583,687; May 4.
Hatch, Alexander G., Honolulu, Hawaii, assignor to W-H Keyless Lock Company, Limited, Honolulu, Hawaii. Keyless lock. 1,583,688; May 4.
Haviland, John R. (See Brinker, E. S., and Haviland.)
Hawley, William G., Elmira, N. Y. Propeller shaft. 1,583,291; May 4.
Haynes, Charles E., Toledo, Ohio. Floor-surfacing machine. 1,583,145; May 4.
Heald, James N., and A. Turner, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,583,351; May 4.
Heald Machine Company, The. (See Heald, J. N., and Turner, assignors.)
Heard, Edmund F., Elizabeth City County, and M. M. Fitzhugh, assignors to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Tool-setting gauge for lathes and the like. 1,583,292; May 4.
Heath, Almon A., Pueblo, Colo. Engraving process. 1,583,689; May 4.
Heath, James C. (See Burris, C. E., and Heath.)
Heath, James C., and C. E. Burris, Des Moines, Iowa. Game. 1,583,250; May 4.
Heck, John, assignor to A. Stein & Company, Chicago, Ill. Woven elastic ribbon. 1,583,551; May 4.
Heitkamp, Charles F. A., et al. (See Sauton, George H., assignor.)
Heitkamp, Oscar R. L., et al. (See Sauton, George H., assignor.)
Heitkamp, Simon A. G., et al. (See Sauton, George H., assignor.)
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Rocker bearing. 1,583,251; May 4.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Scale base. 1,583,252; May 4.
Hendee, Lem E., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Supporting pin for insulators. 1,583,462; May 4.
Henderson, William C., Bude, Miss. Offsetting mechanism. 1,583,690; May 4.
Hendryx, Andrew B., Company, The. (See Hendryx, Nathan W., assignor.)
Hendryx, Nathan W., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Birdcage. Des. 70,073; May 4.
Henke, Frederick W., jr. (See Behrsing, D., and Henke.)
Henkels, Max. (See Bösebeck, Emil, assignor.)
Hentrich, Winfried. (See Duisberg, W., Hentrich, and Schepss.)
Hentschell, Charles J. V., and W. Hall, Minneapolis, Minn. Automatic break web switch. 1,582,927; May 4.
Heon, Horace C., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Dressing tool for abrading stones. 1,583,146; May 4.
Herman, Joseph P. (See Thomas, Elisha G., assignor.)
Herrick, Arthur W., Battle Creek, Mich. Fruit-picking mitten. 1,583,041; May 4.
Herrick, Arthur W., Battle Creek, Mich. Flying machine. 1,583,147; May 4.
Herzberg, Albert C., Memphis, Tenn. Garter. 1,583,552; May 4.
Hickey, Agnes. (See Fischer, Howard L., assignor.)
Hicks, R. E. (See Goodfellow, George P., assignor.)
Higgins, George H., assignor to Burd High Compression Ring Company, Rockford, Ill. Shock absorber. 1,583,253; May 4.
Higinbotham, Arthur O., Denver, Colo. Tractor and movement control therefor. 1,583,148; May 4.
Hill, A. E., Manufacturing Company. (See Nevins, W. W., and Walker, assignors.)
Hill, Ernest L., Jacksonville, Fla. Door closer. 1,583,149; May 4.
Hill, Hugh G., assignor of one-half to E. O. Porter, Wheeling, W. Va. Machine for cutting designs on glassware. 1,583,691; May 4.
Hills, Isaac, Elmhurst, Ill. Toggle-hoisting apparatus. 1,583,042; May 4.
Himmelfarb, Max, Brooklyn, N. Y. Combined tray and checkerboard. Des. 70,074; May 4.
Hind, Robert R., Del Carmen, P. I. Rotary cutter. 1,583,150; May 4.
Hind, Robert R., Del Carmen, P. I. Fertilizer and method of making same. 1,583,151; May 4.
Hines, John, London, England. Making and repairing road and like surfaces. 1,583,152; May 4.
Hoag, Daniel H., Nemadji, Minn. Air-releasing device. 1,582,928; May 4.
Hoe, R., and Co. (See Halliwell, John J., assignor.)
Hofheimer, Maurice, Baltimore, Md. Can-filling machine. 1,583,352; May 4.
Hogue, Charles A., Huntingburg, Ind. Finger ring. Des. 70,075; May 4.
Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,583,553; May 4.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,583,231; May 4.
Holst, Gilles, Ekko Oosterhuis, and Johannes Bruignes, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabriken, Eindhoven, Netherlands. Discharge tube with inclosed arc discharge. 1,583,593; May 4.
Holstrom, Elmer W., Lake City, Minn. Reverse-gear mechanism. 1,583,714; May 4.
Holtz, Frank S., Berkeley, Calif. Radiator cap. 1,583,153; May 4.
Hoover, Edward M., assignor to The Manufacturing Equipment Company, Anderson, Ind. Stud setter. 1,583,554; May 4.
Horwitt, Paul H., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Dispenser for paper napkins and the like. 1,583,293; May 4.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,583,463; May 4.
Housekeeper, William G., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming glassware. 1,583,464; May 4.
Houston, John V., Klamath Falls, Oreg. Device for stropping and honing razor blades. 1,583,715; May 4.
Howard, Charles O., assignor of one-half to T. K. Wissinger, Columbus, Ohio. Detachable wheel hub. 1,583,043; May 4.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Insecticidal composition. 1,583,154; May 4.
Howe, Frederick E., Falls City, Oreg. Prune spreader. 1,583,716; May 4.
Hoyt, Charles H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,583,044; May 4.
Hoyt, Charles H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening mechanism. 1,583,045; May 4.
Hubert, Emil, O. Leucha, and L. Lock, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Preparation of threads from cellulose acetate. 1,583,717; May 4.
Huddleston, Edward E., Beckley, W. Va. License-plate holder. 1,583,465; May 4.
Hudson, George R., London, England. Propeller pencil. 1,583,718; May 4.
Hufft, Louis, et al. (See Sauton, George H., assignor.)
Hull, Anna M. (See Cooke, Maren K., assignor.)
Humphries, Chad H. (See Pierce, H. C., and Humphries.)
Humphreys, Robert E., Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Pressure oil still. 1,582,929; May 4.
Hunt, Seth B., trustee. (See Ellis, Carleton, assignor.)

Independent Paper Mills Inc. (See Horwitt, Paul H., assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, J. R., and Wasbauer, assignors.)
Ingersoll-Rand Company. (See Ditson, Jesse, assignor.)
Ingle, Henry W., assignor to Hartford Empire Company, Hartford, Conn. Leer for annealing glassware.
Ink, Harry E., East Orange, N. J. Garter. 1,582,930; May 4.
International Harvester Company. (See French, Charles A., assignor.)
International Harvester Company. See Rand, Charles A. A., assignor.)
International Motor Company. (See Gurney, Erving R., assignor.)
International Motor Company. (See Masury, A. F., and Leipert, assignor.)
Irving-Pitt Manufacturing Company. (See Van Valkenburgh, Richard M., assignor.)
Ivanoff, Peter, Hamilton, Mont. Comotional power transmission. 1,583,719; May 4.
Jackman, Royston E., Rose Park, South Australia, Australia. Shoe for lifts and the like. 1,583,555; May 4.
Jackson, Paul, Saginaw, Mich. Latch for removable panels. 1,583,594; May 4.
Jacobs, Clay H., Delta, Iowa. Adjustable sign. 1,583,720; May 4.
Jacobs, Frank H., Puyallup, Wash. Aeroplane. 1,583,155; May 4.
Jankovitz, Stefan, St. Louis, Mo. Cold mangle. 1,583,466; May 4.
Janney, Nannie H. (See Janney, Robert E. L., assignor.)
Janney, Robert E. L., deceased, Chicago, Ill.; G. L. Boothe, executor, assignor to N. H. Janney, Alexandria, Va. Draft mechanism. 1,583,467; May 4.
Janssen, Hermann. (See Taub, L., Janssen, and Wesenberg.)
Jeffers, Clarence E., Indianapolis, assignor to M. V. Arnold, Evansville, Ind. Compressor for refrigerating plants. 1,583,156; May 4.
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jeffrey Manufacturing Company, The. (See Waxbom, Charles E., assignor.)
Jenkins, Rowland W., et al. (See Ball, Frederick W., assignor.)
Jansen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Tank vehicle. 1,583,554; May 4.
Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Adjustable sprocket mounting. 1,583,157; May 4.
Johnson, P. C. (See Payne, James B., assignor.)
Johnson, John R. and A. M. Wasbauer, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Gearing. 1,583,047; May 4.
Johnson, Robert F., Seattle, Wash. Rotary display rack. 1,583,158; May 4.
Jones, Allan H., Belleville, assignor to Roller Bearing Company of America, Newark, N. J. Making rollers for roller bearings. 1,583,468; May 4.
Jones, William H., Schenectady, N. Y., assignor to General Electric Company. Shade holder for light units. 1,583,595; May 4.
Jordan, Michael. (See Gangelhoff, G., and Jordan.)
Josse, Emil, Berlin, Germany, assignor to Aktiebolaget Vapor-ackumulator, Stockholm, Sweden. Steam generation in two stages. 1,583,557; May 4.
Josselson, Joseph, Beaver Dam, Wis. Stain remover. 1,583,469; May 4.
Joyce, Bryan P., Washington, D. C. Gas engine of the turbine type. 1,583,159; May 4.
Kallenbach, Edward E., New York, N. Y. Filling machine. 1,583,558; May 4.
Kane, James E., Holyoke, Mass. Sheet-coloring apparatus. 1,583,353; May 4.
Kane, Philip S., Kane, Pa. Golf ball. 1,583,721; May 4.
Kapp, Wesley G., assignor of one-tenth to J. F. Rule, Toledo, Ohio. Golf-ball cleaner. 1,583,470; May 4.
Karpinsky, Stephan, Sevres, and J. S. Anderson, St. Ouen, France. Separating device operating by centrifugal force. 1,583,048; May 4.
Kaufmann, Zeidel. (See Fierman, Harry, assignor.)
Kaunitz, Maurice and S. Lanzet, New York, N. Y. Steam drier. 1,583,354; May 4.
Kehrhahn, Alexander H., Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for treating hides, skins, and leather. 1,583,722; May 4.
Kellam, David S., Walterboro, S. C. Shock absorber for Ford cars. 1,583,049; May 4.
Keller, Jay H., Portland, Oreg. Regulating radiator plug. 1,583,050; May 4.
Kelly, Henry D., Kansas City, Mo. Coffeepot. Des. 70,076; May 4.
Kennedy, David, Barrow-in-Furness, England. Flag post for golf holes. 1,582,931; May 4.
Kennedy, Edward, New York, N. Y. Drainage apparatus for refrigerators. 1,583,051; May 4.
Kenneweg, Christian H., Millvale, Pa. Shotgun cartridge. 1,583,559; May 4.
Kenney, George M., Cranston, R. I., assignor to Kenney Manufacturing Company. Curtain fixture. 1,582,932; May 4.
Kenney Manufacturing Company. (See Kenney, George M., assignor.)
Kenoyer, Samuel A. (See Littlejohn, Norman W., assignor.)
Kent, Arthur A., Ardmore, Pa. Panel condenser. 1,583,071; May 4.
Kent, Arthur A., Ardmore, Pa. Panel condenser. 1,583,471; May 4.
Kimball, Walter H., Flint, Mich. Grease-gun loader. 1,583,723; May 4.
King, Frank F., Wilkinsburg, Pa. Coin-controlled machine. 1,582,933; May 4.
King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-piercing stud and post for snap fasteners. 1,583,472; May 4.
King, Mrs. A. R., Incorporated. (See Taylor, William H., assignor.)
Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough-proofing machine. 1,583,052; May 4.
Kjellberg, Björn P. F., Stockholm, Sweden. Recovering vanadium compounds from iron ores containing vanadium and titanium. 1,583,053; May 4.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Klopsteg, Paul E., and L. B. Mann, assignors to Central Scientific Company, Chicago, Ill. Apparatus for obtaining high vacua. 1,583,473; May 4.
Klugh, Bethune G., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Production of superphosphates. 1,583,054; May 4.
Koch, Frederick. (See Squarey, E. M., Koch, and Borton.)
Kohman, Henry A., Pittsburgh, Pa., and L. H. Ashe, Cleveland, Ohio. Manufacture of butter substitutes. 1,583,294; May 4.
Kottenbach, Ernest E., New York, N. Y. Micrometer scale, operator's card, and layout sheet for printing and other work. 1,583,355; May 4.
Kousnetzoff, Alexander L., London, England. Process and apparatus for vaporizing heavy hydrocarbons. 1,583,692; May 4.
Krafft, Emil, Weehawken, N. J. Collapsible sled. 1,583,693; May 4.
Kroening, Julius W., Milwaukee, Wis. Valve tool. 1,583,399; May 4.
Kronquest, Alfred L. (See Taliaferro, J. C., and Kronquest.)
Kruse, Edward H., Fort Wayne, Ind. Switch-box support. 1,583,474; May 4.
Lacklen, Jesse, Missoula, Mont. Flash-light holder. 1,583,596; May 4.
Lafferty, Isaac L., Fredonia, Kans. Pivotally-mounted glass louver. 1,583,597; May 4.
Lahndorff, Henry, New York, N. Y. Combination match safe and cigarette lighter. 1,583,356; May 4.
Labousse, Joseph E. G., Ternay, assignor to Societe pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Manufacture of artificial silk and of artificial threads or filaments. 1,583,475; May 4.
Lamb, Henry W., Birmingham, Ala., assignor to Century Mop Corporation, New York, N. Y. Combined mop and wringer. 1,582,934; May 4.
Lambert, David N., Brooklyn, N. Y. Gas-meter-protection means. 1,583,694; May 4.
Landman, Herman, Kansas City, Mo. Ice-cream dipper mold. 1,583,072; May 4.
Landon, Archer A., Buffalo, assignor to American Radiator Company, New York, N. Y. Radiator section. Des. 70,077; May 4.
Landon, Archer A., Buffalo, assignor to American Radiator Company, New York, N. Y. Radiator section. Des. 70,078; May 4.
Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Window attachment. 1,583,055; May 4.
Lane, Ernest W., New Vienna, Ohio. Auxiliary oil reservoir. 1,583,696; May 4.
Lane, Floyd E., Falconer, N. Y. Ironing board. 1,583,695; May 4.
Lang, Edward J., Cicero, Ill. Cut-out panel. 1,583,057; May 4.
Langenberg, Theodor, assignor to the Firm of C. A. Fesca & Sohn, Berlin, Germany. Permanently-acting centrifugal machine. 1,583,056; May 4.
Lanning, James K. (See Cunniff, Edward A., assignor.)
Lanzet, Samuel. (See Kaunitz, M., and Lanzet.)
Larsen, Edna C., Wausau, Wis. Baking pan. 1,583,295; May 4.
Larsen, Olaf. (See Valerius, T. L., and Larsen.)
Latham, Alfred E., Brooklyn, N. Y. Electrical connecter. 1,583,697; May 4.
Laussucq, Henri P. L., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Valve control for multiple-power tools. 1,583,296; May 4.
Lavallee, Charles, Newmarket, N. H. Salvage-loom retainer. 1,583,400; May 4.
Lawson, C. Edward, Garber, Okla. Underreamer. 1,583,073; May 4.
Leddick, George S., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,583,598; May 4.

Ledin, Charles, and K. A. Bräuning, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 1,583,401; May 4.
Lee, Daniel M., Georgetown, S. C. Door-operating means. 1,582,989; May 4.
Leipert, August H. (See Masury, A. F., and Leipert.)
Leon, Lewicki J., Chicago, Ill. Wall bracket. 1,583,233; May 4.
Leoni, Alfonso M., assignor to Electro-Motive Devices, Inc., Philadelphia, Pa. Drive unit. 1,583,058; May 4.
Less Carload Lots Company. (See Smith, Alfred H., assignor.)
Leuchs, Otto. (See Hubert, E., Leuchs, and Lock.)
Leustig, Benno B. (See Goldrick, Albert R., assignor.)
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stitch-forming mechanism for sewing machines. 1,583,059; May 4.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal drill. 1,582,990; May 4.
Levinson, David, assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Athletic garment. 1,583,074; May 4.
Lewis, Arthur P., assignor of one-fifth to R. Dutt, Akron, Ohio. Corn popper. 1,583,357; May 4.
Lewis, George, Denver, Colo., assignor of one-half to P. Seerie. Method and apparatus for supporting timbering in tunnels. 1,583,075; May 4.
Lewis, Harry F., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Purification of anthraquinone. 1,583,297; May 4.
Lewis Invisible Stitch Machine Co. (See Gruman, Horace F., assignor.)
Lewis, Leo L., Plainfield, assignor to Carrier Engineering Corporation, Newark, N. J. Method of and apparatus for cooling and ventilating. 1,583,060; May 4.
Lewis, Rollin C., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Combination dial lock. 1,583,402; May 4.
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Lieberum, George W., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 1,583,599; May 4.
Lien, Peter O., Worthington, Minn. Addressing hand stamp. 1,583,403; May 4.
Lietz, Felix E., Buffalo, N. Y. Shingle lock. 1,583,254; May 4.
Line Material Company. (See Hendee, Lem E., assignor.)
Link-Belt Company. (See Sayers, William W., assignor.)
Link-Belt Company. (See Young, Charles M., jr., assignor.)
Lisl, Frank A., Philadelphia, Pa. Shoe-shining stand. 1,583,724; May 4.
Litter, Frederick A., Columbus, Ohio. Apparatus for heating cooking elements. 1,583,076; May 4.
Littlejohn, Norman W., Neosho, Mo., assignor of one-half to S. A. Kenoyer, Miami, Okla. Jack. 1,583,476; May 4.
Liverance, Frank E., jr. (See Myers, Hubert A., assignor.)
Livingston, Lloyd L. (See Valentine, Percy W., assignor.)
Lloyd, Converse W., New York, N. Y., assignor to The Sani-Fold Company, Inc. Cigarette case. 1,582,991; May 4.
Lochman, Dean E., Belmont, assignor to Blue Tip Pile Wire & Knife Company, Bedford, Mass. Pile-wire knife. 1,583,477; May 4.
Lock, Ludwig. (See Hubert, E., Leuchs, and Lock.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Centrifugal atomizer. 1,582,992; May 4.
Loewe, Bernard, Zurich, Switzerland. Spinning of artificial silk. 1,582,993; May 4.
Logan, James J., et al. (See Ball, Frederick W., assignor.)
Long, Edward A., New Castle, Pa. Nailing key for cement blocks. 1,583,077; May 4.
Long, John R., Akron, Ohio, assignor to Angelus Specialty Company, Los Angeles, Calif. Wrench. 1,583,078; May 4.
Loud, William C., assignor to Glassmobile Company, Detroit, Mich. Automobile curtain. 1,583,234; May 4.
Loud, William C., assignor to Glassmobile Company, Detroit, Mich. Automobile curtain. 1,583,235; May 4.
Loughridge, Matthew H., Bogota, N. J. Educational device. 1,583,061; May 4.
Lorejoy, Ralph M., Meredith, N. H. Shock absorber. 1,583,404; May 4.
Lowry, John D., Los Angeles, Calif. Ice-cream-brick slicer and receptacle. 1,583,725; May 4.
Luce Cane Harvester Corporation. (See Luce, George D., assignor.)
Luce Cane Harvester Corporation. (See Wilkes, F. C. D., and Flynn, assignors.)
Luce, George D., Hammond, La., assignor to Luce Cane Harvester Corporation, New York, N. Y. Topping device for can harvesters and the like. 1,583,478; May 4.
Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Loom. 1,582,994; May 4.
Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Beater-arm mechanism for looms. 1,582,995; May 4.
Lucas, Jonnthan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Tension device for loom shuttles. 1,582,996; May 4.
Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
Lund, Eric K. (See Ruckert, H. E., Fine, and Lund.)
Luppert, Valentine C., Williamsport, Pa. Fastening means for table legs. 1,583,405; May 4.
Lurie, William A., New Orleans, La. Door lock. 1,583,079; May 4.
Lyle, Robert J., Kinmount, Ontario, Canada. Trolley shoe. 1,583,160; May 4.
Lynch, James H., jr. (See Patterson, J. C., and Lynch.)
Lynn, Patrick F., Pittston, Pa. Force-draft apparatus. 1,583,726; May 4.
Lyons, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,583,062; May 4.
Macalpine, John H., Pittsburgh, Pa. Power-transmitting device. 1,583,407; May 4.
Macaraig, José, New York, N. Y. Collapsible receptacle. 1,583,083; May 4.
Macdonald, Robert, jr. (See Richmond, H. A., and Macdonald.)
Mackay, Ruth, Belmont, Mass. Head for rag dolls. 1,583,408; May 4.
MacMullen, John S., and M. L. McReynolds, San Francisco, Calif. Dispensing device. 1,583,727; May 4.
Maina, Joseph. (See Brown, W. S. F., and Maina.)
Maicher, Otto, Chicago, Ill. Computing mechanism for weighing scales. 1,582,999; May 4.
Malmberg, Arvid J., assignor to The R. F. Carpenter Manufacturing Company, Cleveland, Ohio. Hinge construction. 1,583,084; May 4.
Malott, George H., Los Angeles, Calif. Collapsible traveler's desk. 1,583,161; May 4.
Manhattan Electrical Supply Company. (See Avery, Charles E., assignor.)
Mankel, Charles J., near San Jose, Calif. Weed cutter. 1,583,063; May 4.
Manley, Sumner M. (See Morrison, H. J., Egan, and Manley.)
Mann, Lester B. (See Klopsteg, P. E., and Mann.)
Manufacturers' and Inventors' Electric Company. (See Curtis, Edward K., assignor.)
Manufacturing Equipment Company, The. (See Hoover, Edward M., assignor.)
Maltojas, José, Eagle Pass, Tex. Rotary bin. 1,583,180; May 4.
Markham, Roland J., Spokane, Wash. Body for a fretted musical instrument or similar article. Des. 70,079; May 4.
Markle, Louise, Rochester, N. Y. Hair waver. 1,583,728; May 4.
Marquart, Ernst, Newark, Ohio. Device for use in setting poles. 1,583,409; May 4.
Marr, William P., Toronto, Ontario, Canada. Electric-wire connecter. 1,583,479; May 4.
Martin, John G., Waterbury, Conn. Spotlight. Des. 70,080; May 4.
Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,583,480; May 4.
Martinet, Jules R., assignor to Société V. Perrin & Cie., Grenoble, Isere, France. Machine for dyeing hides. 1,583,481; May 4.
Masuch, Joseph J., East Orange, N. J. Automobile bumper and bracket. 1,583,064; May 4.
Mastin, Charles I. E., Midland Park, N. J. Sign plate and making the same. 1,583,410; May 4.
Masuoka, Frank B., Rogerson, Idaho. Comb cleaner. 1,583,729; May 4.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,583,301; May 4.
Mathers, Frank C., Bloomington, Ind., assignor to National Lime Association, Washington, D. C., Treating lime and product derived therefrom. 1,583,759; May 4.
Mattox, Hugh B. (See Simms, R. O., and Mattox.)
Mayes, Mary A. E., London, England. Cleaning appliance for floors and other surfaces. 1,583,358; May 4.
Maynard, Howard E., assignor to Chrysler Corporation, Detroit, Mich. Securing tubing to a support. 1,583,000; May 4.
Maynard, Roscoe O., assignor of one-half to W. E. Hardin, Marland, Okla. Device for plugging oil wells. 1,583,730; May 4.
Mazade, Maurice A., Paris, France. Stabilizer for the straight travel of aircraft. 1,583,359; May 4.
McBurney, John W., Youngstown, Ohio. Testing oil. 1,583,600; May 4.
McCallum, Theophilus S., Leeds, assignor to S. D. Morgan, London, England. Fireplace. 1,583,080; May 4.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,583,082; May 4.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,583,298; May 4.

McCann, Ronald A., Swissvale, and F. H. Nicholson, Philadelphia, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,583,081; May 4.
McCarthy, Thomas. (See Anderson, O., jr., and McCarthy.)
McClelland, William H., Huntingdon, assignor, by mesne assignments, to R. P. M. Davis, Mount Union, Pa. Mold plate and replacer. 1,583,406; May 4.
McCune, Joseph C. (See Farmer, C. C., and McCune.)
McDougall and Yalding, Limited. (See Fryer, Percival J., assignor.)
McFarland, Arthur E. (See Aley, V. H., and McFarland.)
McGee, Frank R., Steubenville, Ohio. Flexible coupling. 1,582,997; May 4.
McGuire, Philip J., Denver, Colo., assignor to The Dorr Company, New York, N. Y. Manufacture of sugar. 1,583,299; May 4.
McIntyre, David, Detroit, Mich. Tire machine. 1,583,698; May 4.
McKay, William A., East Orange, N. J., assignor to Westinghouse Lamp Company. Kit for incandescent lamps. 1,582,998; May 4.
McReynolds, Morton L. (See MacMullen, J. S., and McReynolds.)
McTernen, Andrew, Andover, Mass. Chair-repairing device. 1,583,300; May 4.
Melklereid, Duncan G., Lee, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate. 1,583,085; May 4.
Meinholdt, Otto R., Dallas, Tex. Ice tongs. 1,583,302; May 4.
Meints, John H., Beatrice, Nebr. Device for removing carbon. 1,583,001; May 4.
Mertz, John M., Wilmington, Del. Carburetor tube. 1,583,303; May 4.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Apparatus for the application of hydraulic pressure to the interior of a tube being shaped by the self-hooping process. 1,583,162; May 4.
Metz, Gustave P., Brooklyn, assignor to H. A. Metz Laboratories, Inc., New York, N. Y. Detoxifying compound and making it. 1,583,002; May 4.
Metz, H. A., Laboratories, Inc. (See Metz, Gustave P., assignor.)
Meyer, John P., Union City, N. J. Bottle. Des. 70,081; May 4.
Meyer, Peter, Newark, N. J. Labeling machine. 1,583,411; May 4.
Michel, Clarence A., Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Spotlight mounting. 1,583,412; May 4.
Miehle Printing Press & Manufacturing Company. (See Blaine, Joseph R., assignor.)
Miller, Conrad, Casper, Wyo. Spring. 1,583,003; May 4.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,082; May 4.
Miller, Nicholas S., assignor to J. Bondi, Chicago, Ill. Shoe-polishing apparatus. 1,583,065; May 4.
Miller, Philip F. (See Miller, Robert O. and P. F.)
Miller, Robert O. and P. F., Derby, Conn.; said P. F. Miller assignor to said Robert O. Miller. Machine for cutting keys and the like. 1,583,086; May 4.
Miller, Walter K. and A. N. Steinborg, Appleton, Wis. Truck brake. 1,583,413; May 4.
Milum, James E. (See Baugher, H. T., and Milum.)
Minor, Walter S., Cunningham, Tenn. Stave jointer. 1,583,066; May 4.
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Printer. 1,583,482; May 4.
Mitchell, Harold U., Medford, Oreg. Delayed-action electric switch. 1,583,601; May 4.
Molina, Eugenio D. H. and L. B. Alcantarilla, Jaen, Spain. Lead seal. 1,583,602; May 4.
Monarch Metal Products Company. (See Lane, Alfred M., assignor.)
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,583,415; May 4.
Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration-responsive device. 1,583,067; May 4.
Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration-responsive apparatus. 1,583,416; May 4.
Moore, Willis L., Pasadena, Calif. Humidifying radiator. 1,583,255; May 4.
Morgan, Stephen D. (See McCallu, Theophilus S., assignor.)
Morkrum-Kleinschmidt Corporation. (See Okamoto, Yuichi, assignor.)
Morrill, Henry M., Tekonsha, Mich. Crate. 1,583,483; May 4.
Morris, James K., Monrovia, Calif. Rotary internal-combustion engine. 1,583,560; May 4.
Morrison, Harley J., Cincinnati, J. E. Egan, Wyoming, and S. M. Manley, Glendale, Ohio. Forming flakes of heated plastics and gelatinous materials. 1,583,484; May 4.
Morse, Frederick H., Boston, Mass. Surface electrode for electrical therapeutic apparatus. 1,583,087; May 4.
Mudge & Company. (See Bender, George W., assignor.)
Mullens, Charles J. (See Pike, J. H., and Mullens.)
Munro, James H., Pen Argyl, Pa. Nail-sealing roofing unit. 1,583,163; May 4.
Munzer, Alfred, New York, N. Y. Lamp. 1,583,304; May 4.
Murdock, William J., Chelsea, Mass. Telephone head set. 1,583,088; May 4.
Murphy, Francis, Murrumburrah, New South Wales, Australia. Resilient suspension means for automobiles and like road vehicles. 1,583,731; May 4.
Murrish, William U., Denver, Col. Dishwashing machine. 1,583,236; May 4.
Myers, Hubert A., Toledo, Ohio, assignor to F. E. Liverance, jr., Grand Rapids, Mich. Brake mechanism. Re16,342; May 4.
Naamlooze Vennootschap Philips' Gloeilampenfabriken. (See Holst, Oosterhuis, and Bruijnes, assignors.)
Nagy, Joseph, Detroit, Mich. Safety device for vehicles. 1,583,732; May 4.
Nastri, Emil, Brooklyn, N. Y. Window seat. 1,583,733; May 4.
National Aniline & Chemical Company. (See Lewis, Harry F., assignor.)
National Aniline & Chemical Company. (See Rogers, D. G., and Daniels, assignors.)
National Aniline & Chemical Company. (See Schudel, John G., assignor.)
National Lime Association. (See Mathers, Frank C., assignor.)
Nehl, Johann, Cologne-Sulz, Germany. Machine for Cleansing kitchen utensils. 1,583,305; May 4.
Nell, William, assignor to Wm. Nell & Co., Chicago, Ill. Cap or closure. 1,583,485; May 4.
Nell, Wm., & Co. (See Nell, William, assignor.)
Nelson, Lewen R., Peoria, Ill. Lawn sprinkler. 1,583,068; May 4.
Nelson, Stanley W., San Francisco, Calif. Stabilizer for vehicles. 1,583,164; May 4.
Nennstiehl, Henry L., Wilmington, Del., assignor to F. F. Dalley Company, Inc., Buffalo, N. Y. Box-opening device. 1,583,603; May 4.
New Nap System, Inc. (See Flynn, Mortimer F., assignor.)
Newport News Shipbuilding & Dry Dock Company. (See Heard, E. F., and Fitzbugh, assignors.)
Nevins, William W., College Park, and R. L. Walker, assignors to A. E. Hill Manufacturing Company, Atlanta, Ga. Electrostatic condenser. 1,583,306; May 4.
Nicholson, Frank H. (See McCann, R. A., and Nicholson.)
Nicholson, Frank H., Philadelphia, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,583,089; May 4.
Nicholson, James J., Detroit, Mich. Propeller. 1,583,165; May 4.
Nicolson, Alexander M., New York, N. Y., assignor by mesne assignments, to Western Electric Company, Incorporated. Piezo-electric device and producing it. 1,583,417; May 4.
Nield, William H., Stockport, England. Furnace grate. 1,583,360; May 4.
Nobis, Curtis A., Barry, Ill. Creamery utensil. 1,583,069; May 4.
Norrell, Oliver L., Richmond, Va. Mail-handling means for apartment houses. 1,583,734. May 4.
Novocrete Company of America, Incorporated. (See Garrow, James R., assignor.)
Nydqvist, Antenor, Trollhattan, Sweden. Hydraulic transformer, turbine, or the like. 1,583,735; May 4.
Nydqvist, Antenor, Trollhattan, Sweden. Hydraulic-power-transmission mechanism. 1,583,736; May 4.
Oakley, William R. (See Frisbey, Russell B., assignor.)
O'Hara, Joseph S., Romney, W. Va. Automatic regulator. 1,583,361; May 4.
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Okamoto, Yuichi, Tokyo, Japan, assignor, by mesne assignments to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Perforator. 1,583,070; May 4.
Olkin, Samuel. (See Black, M., and Olkin.)
Olson, James P., Mobile, Ala. Cotton crusher and cultivator. 1,583,737; May 4.
Oltra, Marcelino, Shelton, Conn. Smoker's article. 1,583,738; May 4.
Oneida Community, Limited. (See Allen, Grosvenor, N., assignor.)
Oosterhuis, Ekko. (See Holst, G., Oosterhuis, and Bruijnes.)
Orr, William S., assignor to The Central Steel Company, Massillon, Ohio. Cover-operating mechanism. 1,583,604; May 4.
Osann, Frederick, Company. (See Lyons, Robert L., assignor.)
Osborne, Harold S., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signal-detecting system. 1,583,004; May 4.
Ostendorf, Herman J., Cleveland, Ohio. Heating burner. 1,583,362; May 4.
Ostermann, Rudolf M., Evanston, Ill., assignor to The Superheater Company, New York, N. Y. Injector. 1,583,090; May 4.
Ostermann, Rudolf M., Evanston, Ill., assignor to The Superheater Company, New York, N. Y. Injector. 1,583,363; May 4.

Owen, Malcolm, London, England. Apparatus for forming printing sheets in preparation for application to a printing cylinder. 1,583,091; May 4.
Owens Bottle Company, The. (See Rule, John F., assignor.)
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Paddack Engineering Corporation. (See Paddack, Simon D., assignor.)
Paddack, Simon D., assignor to Paddack Engineering Corporation, San Francisco, Calif. Sound-reproducing horn. 1,583,418; May 4.
Padelt, Hermann T., Leipzig-Schleussig, Germany. Channel oven for ceramic and chemical purposes. 1,583,739; May 4.
Paige, Arthur E., Philadelphia, Pa., Pipe-conveying mechanism. 1,583,486; May 4.
Palmer, Edgar J., Wichita, Kans. Placard holder. 1,583,740; May 4.
Pantoflíček, Theodor, Pilsen, Czechoslovakia. Free-wheel-coupling mechanism. 1,583,092; May 4.
Parnmount Textile Machinery Co. (See Gray, Lynn, assignor.)
Parcell, John, New York, N. Y. Confection apparatus. 1,583,304; May 4.
Parker, Donald, Fresno, Calif. Conveyer. 1,583,093; May 4.
Parker, Joseph A., Cwmbran, Wales. Apparatus for the electrodeposition of metals on wire and strip. 1,583,741; May 4.
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Trip and brake device for conveyers. 1,583,005; May 4.
Parkes, Deric W. (See Butler, T. H., Robinson, and Parkes.)
Parkhurst, Charles E. (See Pervier, William A., assignor.)
Parkler, Fitz E., Chicago Heights, Ill. Vaginal syringe. 1,583,487; May 4.
Parsons, Arthur W., Miami, Fla. System for carrying out mimic bombing and torpedo attacks. 1,583,237; May 4.
Pate, Robert L., Springfield, Mo. Radiator shell for internal-combustion engines. 1,583,094; May 4.
Patterson, James C., East Orange, and J. H. Lynch, jr., Jersey City, N. J. Switch-point protector. 1,583,307; May 4.
Pauer, Louis, Cleveland, Ohio. Racing game. 1,583,488; May 4.
Pauling, William C., Long Beach, Calif. Power transmission. 1,583,256; May 4.
Paulsen, Charles. (See Reed, F. M., and Paulsen.)
Pawlas, Julius J., Watsouville, Calif. Manufacture of candy and confections. 1,583,166; May 4.
Payne, James B., assignor of one-half to P. C. Johnson, San Diego, Calif. Muffler for exhaust gases. 1,583,095; May 4.
Pearson, Emmeline H., Washington, D. C. Baby-feeding device. 1,583,742; May 4.
Pease, Frederick H. (See Pease, George E. and F. H.)
Pease, George E. and F. H., Mountain View, Calif. Vending machine. 1,583,743; May 4.
Peerless Pneumatic Systems, Inc. (See Anderson, Ewan F., assignor.)
Peerless Wire Goods Company. (See Snyder, Frank M., assignor.)
Pehrson, Olof, Falun, Sweden. Mowing machine. 1,583,167; May 4.
Penn-Greg Mfg. Co. (See Pennig, Bernard T., assignor.)
Pennig, Bernard T., assignor to Penn-Greg Mfg. Co., St. Paul, Minn. Mail box. 1,583,168; May 4.
Pennington, Harry R., Chicago, Ill. Coated welding rod. 1,583,169; May 4.
Peri, Rose, New York, N. Y. Sleeping-bag device. 1,583,419; May 4.
Perrine, Arthur L., Cleveland Heights, Ohio. Spirit level. 1,583,489; May 4.
Pervier, William A., Watertown, assignor to C. E. Parkhurst, Somerville, Mass. Siphon pump. 1,583,170 May 4.
Peterson, Charles W., Ann Arbor, Mich. Loud speaker. 1,583,490; May 4.
Pfannenstiehl, Harry, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,583,365; May 4.
Pfau, William F., Cincinnati, Ohio. Band-saw wheel and demountable rim therefor. 1,583,171; May 4.
Pfister, William A. (See Price, E., and Pfister.)
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,583,764; May 4.
Phillips, Henry W. L. (See Gwyer, A. G. C., and Phillips.)
Phythian, Thomas E., assignor to R. W. Crabtree and Sons, Limited, Victoria Iron Works, Leeds, England. Inking mechanism for printing machines. 1,583,172; May 4.
Picard, Hugo, Berlin, Germany. Irradiating chamber for therapeutical uses. 1,583,420; May 4.
Pierce, George L., and O. L. Hassel, Brooklyn, assignors to A. G. Spalding & Bros., New York, N. Y. Shoe. 1,583,096; May 4.
Pierce, Harrie C., and C. H. Humphries, assignors to Udylite Process Company, Kokomo, Ind. Enameling. 1,583,006; May 4.
Pike, Jesse H., and C. J. Mullens, Portage, Wis. Automobile headlight. 1,583,366; May 4.
Pillsbury, Franklin H., Arlington, N. J. Textile fabric. Des. 70,083; May 4.
Pinckney, William E., Portland, Oreg. Rinsing and drying machine. 1,583,367; May 4.
Pistor, Gustav, H. S. Schultze, Griesheim-on-the-Main, and H. Reitz, Bitterfeld, assignors to The Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Producing calcium hypochlorite compounds. 1,583,421; May 4.
Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
Pollard, James A., San Antonio, Tex. Dump body. 1,583,744; May 4.
Pomeroy, James W. (See Todd, W. C., and Pomeroy.)
Porter, Eliza O. (See Hill, Hugh G., assignor.)
Potter, Frederick D., Linden, N. J., assignor to Combustion Control Company, Inc. Apparatus for determining temperatures of furnace gases. 1,583,097; May 4.
Powell, A. L., Power Co. (See Powell, Alvah L., assignor.)
Powell, A. L., Power Company Incorporated, The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Miles City, Mont. Transmission for engines. Re16,343; May 4.
Powell, Alvah L., assignor to The A. L. Powell Power Co., Miles City, Mont. Transmission for engines. Re16,344; May 4.
Powell, Alvah L., assignor to The A. L. Powell Power Company Incorporated, Miles City, Mont. Transmission for engines. 1,583,368; May 4.
Press, Elizabeth A. D., White Plains, assignor to Blanck & Co., New York, N. Y. Embroidered lace. Des. 70,084; May 4.
Prest-O-Lite Company. (See Benner, Raymond C., assignor.)
Price, Albert M., Elgin, assignor to Wm. Wrigley Jr Company, Chicago, Ill. Sheet-feeding mechanism. 1,583,699; May 4.
Price, Albert M., Elgin, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Label-applying device. 1,583,700; May 4.
Price, Emil, and W. A. Pfister, Los Angeles, Calif. Combination valve. 1,583,173; May 4.
Prifold, George, Somerville, N. J. Waterproof floor covering. 1,583,098; May 4.
Prince, Aladar, et al. (See Prince, Aladar, assignor.)
Prince, Aladar, assignor to L. T. Dour, E. J. Dour, F. J. Dour, and A. Prince, doing business as Prince and Dour Bros., New York, N. Y. Collapsible tire rim. 1,583,174; May 4.
Prince and Dour Bros. (See Prince, Aladar, assignor.)
Printz, Oscar A. K., Ofverum, Sweden. Plow. 1,583,701; May 4.
Procopio, Vincent J. M., New York, N. Y. Safety attachment for airplanes. 1,583,745; May 4.
Proctor & Schwartz, Inc. (See Wanamaker, H. F., jr., and Gallagher, assignors.)
Purdy, Raymond J., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield tubing. 1,583,175; May 4.
Purox Company. (See Coberly, Clarence J., assignor.)
Pyzel, Daniel, Piedmont, assignor to Simplex Refining Company, San Francisco, Calif. Apparatus for refining oils. 1,583,746; May 4.
Quaker City Iron Works. (See Jensen, James A., assignor.)
Quisgnard, Jens W., Richmond, Va. Kiln for treating wood. 1,583,176; May 4.
Radford, Lawrence, Washington, D. C. Fire control. 1,583,308; May 4.
Ram, Alfred W., Washington, D. C. Dispensing apparatus. 1,583,007; May 4.
Rand, Charles A. A., assignor to International Harvester Company, Chicago, Ill. Seed-dispensing mechanism. 1,583,008; May 4.
Raqué, Charles A., Denver, Colo. Valve structure for explosive engines. 1,583,177; May 4.
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,583,401; May 4.
Rayfield, Charles L., Chicago, Ill. Gasoline gauge. 1,583,178; May 4.
Rayfield, George T., assignor to Champion Pneumatic Machinery Company, Chicago, Ill. Oil distributor. 1,583,099; May 4.
Reach, William F., Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Racket frame and handle. 1,583,309; May 4.
Reamy, Christopher S., Los Angeles, Calif. Rake. 1,583,402; May 4.
Reavis, Isaac H., Sweet Springs, Mo. Well-drilling apparatus. 1,583,747; May 4.
Reddig, Charles E., Kew Garden, assignor to Western Electric Company, Incorporated, New York, N. Y. Ironing shoe. 1,583,369; May 4.
Reece, Francis A., and L. T. Coventry, Sedro-Woolley, Wash. Burglar alarm. 1,583,370; May 4.
Reed, Francis M. and C. Paulsen, Minden, Nebr. Waterproofing composition for gloves. 1,583,493; May 4.
Rees, William. (See Russell, Robert C., assignor.)
Reeves, Samuel V., Haddonfield, N. J. Sediment trap. 1,583,310; May 4.

Reichmann, Frank J., Chicago, Ill. Radiocabinet. Des. 70,085; May 4.
Reid, Ernest A., London, England. Tubular-flame oil burner for crucibles and other uses. 1,583,311; May 4.
Reille, Jean R. C. F. X., Paris, France. Fire-brick panel. 1,583,009; May 4.
Reinhardt, Otto K., Jamaica, N. Y., assignor to Yale Electric Corporation. Bobbin-making machine. 1,583,312; May 4.
Reitz, Heinrich. (See Pistor, G., Schultze, and Reitz.)
Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Reuter-Lorenzen, Paul, Detroit, Mich. Producing an imitation tile or brick effect. 1,583,748; May 4.
Reynolds, Frank A., assignor to Reynolds Manufacturing Corporation, Geneva, N. Y. Machine for paring, coring, and removing seed cells from apples. 1,583,100; May 4.
Reynolds Manufacturing Corporation. (See Reynolds, Frank A., assignor.)
Reyrolle, A. A., & Company Limited. (See Harris, Percival F., assignor.)
Rich, Bernard, assignor to American Syrup & Preserving Company, St. Louis, Mo. Box-sealing machine. 1,583,371; May 4.
Richardson, De Soto E., Riverside, Wash. Cultivator. 1,583,422; May 4.
Richardson, Henry, Waltham, Mass. Lapping tool. 1,583,010; May 4.
Richmond, Harold A., Porter, and R. MacDonald, jr., assignors to General Abrasive Company, Inc., Niagara Falls, N. Y. Artificial aluminous abrasive and making same. 1,583,179; May 4.
Ricks Fred. (See Bates, A., Ricks, and Aston.)
Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for softening shoes or parts thereof. 1,583,101; May 4.
Riggs, Adolfo C., Covina, Calif. Removable cover. 1,583,257; May 4.
Robertson, Jesse R., Westmoreland, Ala. Tire heater 1,583,749; May 4.
Robertson, William P., assignor of one-half to E. W. Hammond, New York, N. Y., and one-third to The Watertown Manufacturing Company, Watertown, Conn. Attachment plug. 1,583,313; May 4.
Robinson, Herbert W. (See Butler, T. H., Robinson, and Parkes.)
Rockford Milling Machine Company. (See Sundstrand, Oscar J., assignor.)
Rodebush, Worth H., Berkeley, Calif., assignor to U. S. Industrial Alcohol Co. Obtaining alcohols, etc. 1,583,314; May 4.
Roe, Everett W., Louisville, Ky. Basket-ball goal 1,583,011; May 4.
Roethel, John H., Brooklyn, N. Y. Automatic automobile shutter and lock. 1,583,315; May 4.
Rogers, Donald G., and L. C. Daniels, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of vat dyestuff. 1,583,258; May 4.
Rogers, Frank J., assignor of one-half to O. A. Thompson, Independence, Kans. Sack grip. 1,583,754; May 4.
Roller Bearing Company of America. (See Jones, Allan H., assignor.)
Romort Manufacturing Company. (See Ewald, Arno A., assignor.)
Roney, George H., Washington, D. C. Clock-controlled switch. 1,583,760; May 4.
Root, A. I., Company, The. (See Root, Huber H., assignor.)
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Comb foundation. 1,583,605; May 4.
Rosnes, Alf G. (See Treat, S. W., and Rosnes.)
Ross, Henry E., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,583,012; May 4.
Rountree, Josephine A., Foreman, Ark. Orthopedic appliance. 1,583,316; May 4.
Roussel, William H., San Francisco, Calif. Palm grip. 1,583,606; May 4.
Royal Metal Lighting Fixture Co. (See Schmitt, Adolph, assignor.)
Ruberoid Company, The. (See Abraham, Herbert, assignor.)
Rubio, Salvador, Los Angeles, Calif. Fulcrum device for earth-working implements. 1,583,181; May 4.
Ruckert, Harry E., B. M. Fine, and E. K. Lund, assignors, by mesne assignments, to Sanitary Products Corporation of America, Philadelphia, Pa. Machine for making articles from sheet material. 1,583,259; May 4.
Rudow, Frank, Morris, Ill. Tank heater. 1,583,423; May 4.
Rule, John F. (See Kapp, Wesley G., assignor.)
Rule, John F., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,583,424; May 4.
Russell, Robert C., assignor of fifty-one per cent to W. Rees, Dallas, Tex. Rotary valve for explosive engines. 1,583,260; May 4.
Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube-frame support. 1,583,183; May 4.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-changing loom. 1,583,182; May 4.
Sacco, Andrea P., Genoa, Italy. Vacuum tank. 1,583,494; May 4.
Sandberg, Swan A., Lee Center, Ill. Universal joint. 1,583,184; May 4.
Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,583,185; May 4.
Sani-Fold Company, The. (See Lloyd, Converse W., assignor.)
Sanitary Products Company of America. (See Ruckert, H. E., Fine, and Lund, assignors.)
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Sarpy, George, et al. (See Dominguez, Manuel D., assignor.)
Sauton, George H., assignor of one twenty-fourth to F. A. Heitkamp, one twenty-fourth to S. A. G. Heitkamp, and one twenty-fourth to O. R. L. Heitkamp, New Orleans, La. Electric-meter-protecting means. 1,583,608; May 4.
Sauton, George H., assignor of one-sixteenth to E. H. Walsdorf and one-sixteenth to L. Hufft, New Orleans, La. Electric-meter-protecting means. 1,583,607; May 4.
Sawtelle, Edward J., Somersworth, N. H. Holder for safety-razor blades. 1,583,013; May 4.
Sayers, Augustus P., North Tazewell, Va. Battery box and circuit lock. 1,583,609; May 4.
Sayers, William W., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Skip hoist. 1,583,702; May 4.
Schaal, Eugen, Feuerbach, Germany. Production of hard resinous bodies. 1,583,014; May 4.
Schauer, Lawrence L., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Continuous strap for guarding drill shafts. 1,583,561; May 4.
Schepss, Wilhelm. (See Duisberg, W., Hentrich, and Schepss.)
Schier, Frederick E., St. Louis, Mo. Line-belt drive. 1,583,186; May 4.
Schleicher, Henry M., Monterrey, Mexico, assignor to American Metal Company, Ltd., New York, N. Y. Refining lead. 1,583,495; May 4.
Schmidt, Oscar C., assignor to The Cincinnati Butcher's Supply Company, Cincinnatia, Ohio. Meat-cutting machine. 1,583,755; May 4.
Schmitt, Adolph, Bogota, N. J., assignor to Royal Metal Lighting Fixture Co., Inc. Frame for lamp shades or similar articles. Des. 70,086; May 4.
Schmitt, John J. (See Sheppard, S. E., and Schmitt.)
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Bearing. 1,582,935; May 4.
Schudel, John G., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Purification of phenolphthalein. 1,583,372; May 4.
Schumacher, John, Los Angeles, Calif. Reinforced plaster board. 1,583,187; May 4.
Schumacher, John, Los Angeles, Calif. Machine for severing plaster board. 1,583,188; May 4.
Schweizerkäse-Konserven A. G. (See Stutz, Joseph, assignor.)
Schultze, Herman S. (See Pistor, Schultze, and Reitz.)
Scott, Paul H., Lynn, Mass., assignor to General Electric Company. Governing mechanism for prime movers. 1,583,610; May 4.
Scott, Raymond D., Chicago, Ill. Jack. 1,583,189; May 4.
Scovill Manufacturing Company. (See King, George A., assignor.)
Scudder, Lawrence W., Chicago, Ill. Heating method and device. 1,583,238; May 4.
Scullin Steel Co. (See Dreibuss, Harry C., assignor.)
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and product produced thereby. 1,583,761; May 4.
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and product produced thereby. 1,583,762; May 4.
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing caoutchouc and products produced thereby. 1,583,763; May 4.
Seeger, Leopold, Rochefort, Belgium. Washer for blocking nuts; 1,583,015; May 4.
Seely, Benjamin W., Pensacola, Fla. Detachable extension clamp; 1,583,611; May 4.
Seerie, Peter. (See Lewis, George, assignor.)
Senco, Victor, New York, N. Y. Electric dumb-bell. 1,583,261; May 4.
Senecal, Alexandre, and E. Girouard, St. Hyacinthe, Quebec, Canada. Grooving tool. 1,583,317; May 4.
Shafer, Robert D., Pleasanton, Calif. Time-controlled automatic switch. 1,583,190; May 4.
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Hoist mechanism for power loaders for mixers. 1,583,318; May 4.
Shafer, William L., Upper Darby, Pa. Heat-regulating system. 1,583,496; May 4.

Shaffer, Clarence D., assignor to Textile Leather & Metal Preserver Co. Inc., Kalamazoo, Mich. Waterproofing compound and manufacturing the same. 1,583,191; May 4.
Shaver, James E., jr., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling machine. 1,583,612; May 4.
Shea, Jerry L., Shreveport, La. Oil-well apparatus. 1,583,736; May 4.
Sheard, Charles, Rochester, Minn., assignor to American Optical Company, Southbridge, Mass. Trial frame. Re16345; May 4.
Shearon, Charles E., assignor of forty-nine one-hundredths to R. L. Anderson, Hattiesburg, Miss. Railway-crossing guard. 1,583,016; May 4.
Sheldon, Arthur N., Providence, R. I. Yarn and thread manufacture. 1,583,425; May 4.
Sheppard, Samuel E. and J. J. Schmitt, assignors to Eastman Kodak Company, Rochester, N. Y. Coating composition containing nitrocellulose and hard rubber. 1,583,703; May 4.
Sheppard, Samuel E. and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of rubber under gas-removing conditions. 1,583,704; May 4.
Sherman, Samuel, Providence, R. I. Eyeshade. 1,583,017; May 4.
Shipley, Grant B., Pittsburgh, Pa. Tie-loading device. 1,583,018; May 4.
Shoffner, John R. (See Yount, John H., assignor.)
Shorrock, James L., Accrington, England. Carpet sweeper. 1,583,192; May 4.
Shriver, Frank E., Badarpur Ghat, India. Coring tool. 1,582,936; May 4.
Shugart, Frederick R., Sacramento, Calif. Roller skate. 1,583,193; May 4.
Shur Loc Elevator Safety Company. (See Brinker, E. S., and Haviland, assignors.)
Signode System, Inc. (See S. W., and Rosnes, assignors.)
Silverman, Albert A. and D., Asheville, N. C. Radio questioner amusement apparatus. 1,582,937; May 4.
Silverman, Daniel. (See Silverman, Albert A. and D.)
Silverman, Harry A., New York, N. Y. Telephone muffler. 1,583,497; May 4.
Simmons, Elta, New York, N. Y. Bottle closure. 1,583,019; May 4.
Simms, Roger O., and H. B. Mattox, Leesburg, Fla. Spark-retarding motor starter. 1,583,498; May 4.
Simplex Refining Company. (See Pyzel, Daniel, assignor.)
Singeltary, William P., Asheville, N. C. Rail joint. 1,583,425; May 4.
Skayef Ball Bearing Company, The. (See Stenner, Karl A., assignor.)
Slayton, Walter L., Toledo, Ohio. Electric switch. 1,583,194; May 4.
Slichter, Louis B., Cambridge, assignor to Submarine Signal Corporation, Boston, Mass. Apparatus for draining sound tubes. 1,583,020; May 4.
Smallpage, Lafayette J. (See Conley, John M., assignor.)
Smith, Alfred H., deceased, Chappaqua, N. Y.; M. E. Smith and E. H. Smith, executors, assignors to the Less Carload Lots Company, Wilmington, Del. Freight carrier. 1,583,319; May 4.
Smith, Daniel W., Bangor, Me. Wood-sawing machine. 1,583,613; May 4.
Smith, Drakeford L., Vernonia, Oreg. Cleat for conveyer chains. 1,583,614; May 4.
Smith, Emery H., et al., executors. (See Smith, Alfred H.)
Smith, Gary B., deceased, Chicago, Ill.; H. C. Smith, administratrix. Wire and crosstie link assembling machine. 1,583,320; May 4.
Smith, Gary B., deceased, Chicago, Ill.; H. C. Smith, administratrix. Chain and crosstie link assembling machine. 1,583,321; May 4.
Smith, Gary B., deceased, Chicago, Ill.; H. C. Smith, administratrix. Chain and crosstie link assembling machine. 1,583,322; May 4.
Smith, Hattie C., administratrix. (See Smith, Gary B.)
Smith, Henry M., Wilson, N. C. Valve 1,582,938; May 4.
Smith, Louis P., Ithaca, N. Y. Cartridge extractor for breakdown firearms. 1,583,615; May 4.
Smith, Louis P., Ithaca, N. Y.. Gunstock fastening. 1,583,616; May 4.
Smith, Louis P., Ithaca, N. Y. Safety mechanism for firearms. 1,583,617; May 4.
Smith, Maude E., et al., executors. (See Smith, Alfred H.)
Smith, Myler J., Redford, Mich. Valve for internal-combustion engines. 1,583,323; May 4.
Smith, Preston M., East Orange, and E. M. Squarey, South Orange, N. J., assignors to U. S. Tool Company, Inc. Rotor system for condensers. 1,583,499; May 4.
Smith, Warren S., Bangor, Pa. Signal. 1,583,618; May 4.
Smith, William C., Corsicana, Tex. Sucker-rod guide. 1,583,262; May 4.
Smith, William F., Wichita, Kans. Nut-warming device. 1,583,500; May 4.
Snow, Barton S., Batavia, Ill. Valve mechanism. 1,583,427; May 4.
Snow, Elwood, administrator. (See Wilcox, Merrill M.)
Snyder, Almond H., Lancaster, N. Y., assignor, by mesne assignments, to Gould Storage Battery Company, Inc. Battery cell. 1,583,021; May 4.
Snyder, Frank M., assignor to Peerless Wire Goods Company, La Fayette, Ind. Basket foot. 1,583,501; May 4.
Snyder, George C., Long Island City, N. Y., assignor to Standard Seal and Number Corporation, Wilmington, Del. Identifying devices. 1,583,502; May 4.
Societe Anonyme des Appareils de Manutention & Fours Stein. (See Atkinson, James S., assignor.)
Société Anonyme, La Combustion Rationnelle. (See Stein, Charles M., assignor.)
Société Anoyme Margcol. (See Drouet, Albert, assignor.)
Société Anonyme "Quartz & Silice." (See George, Henri, assignor.)
Societe pour la Fabrication de la Soie "Rhodiaseta." (See Lahousse, Joseph E. G., assignor.)
Société V. Perrin & Cie. (See Martinet, Jules R., assignor.)
Solvay Process Company, The. (See Cocksedge, Herbert E., assignor.)
Solvay Process Company, The. (See Sundstrom, C., and Terziev, assignors.)
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Mechanism for transferring ware from leers. 1,583,428; May 4.
Spalding, A. G., & Bros. (See Pierce, G. L., and Hassel, assignors.)
Spalding, A. G., & Bros. (See Reach, William F., assignor.)
Splittstoser Company, The. (See Splittstoser, Ernest W., assignor.)
Splittstoser, Ernest W., assignor to The Splittstoser Company, North Branch, Minn. Sprayer. 1,583,619; May 4.
Squarey, Edward M. (See Smith, P. M., and Squarey.)
Squarey, Edward M., F. Koch, South Orange, and A. E. Borton, East Orange, N. J., assignors to U. S. Tool Company, Inc. Condenser-plate system. 1,583,503; May 4.
Srulowitz, Hermann, and L. Friedmann, assignors to the Firm Alex Friedmann, Vienna, Austria. Removal of water of condensation from steam pipes. 1,583,136; May 4.
Standard Oil Company. (See Glair, H. F., and Bransky, assignors.)
Standard Oil Company. (See Humphreys, Robert E., assignor.)
Standard Seal and Number Corporation. (See Snyder, George C., assignor.)
Standard Underground Cable Company. (See Atkinson, Ralph W., assignor.)
Stack, Maurice J., Cohoes, N. Y. Roll-unwinding stand. 1,582,939; May 4.
Stanley Manufacturing Company, The. (See Stanley, M. H., and Angell, assignors.)
Stanley, Myer H., and R. H. Angell, assignors to The Stanley Manufacturing Company, Dayton, Ohio. Making metal labels. 1,583,022; May 4.
Starck, William A., assignor to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper bracket. 1,583,504; May 4.
Starks, Obie W., Irondale, Ohio. Glove. 1,583,620; May 4.
Stearns, Ray. (See Crocker, C. T., Stearns, and Webb.)
Steere, Frank W., Highland Park, Mich. Cooling device. 1,583,195; May 4.
Steel Stamping Company, The. (See Bregman, Harry, assignor.)
Stehli Silks Corporation. (See Baragwanath, Neysa M., assignor.)
Stein, A., & Company. (See Heck, John, assignor.)
Stein, Charles M., assignor to Société Anonyme, La Combustion Rationnelle, Paris, France. Single-working chamber turbopulverizer. 1,583,429; May 4.
Steinberg, Reuben, New York, N. Y. Automobile exhaust generator propulsion. 1,583,621; May 4.
Steinborg, Anslem N. (See Miller, W. K., and Steinborg.)
Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Automatic phase-shifting apparatus. 1,583,622; May 4.
Stenner, Karl A., Farmington, assignor to The Skayef Ball Bearing Company, Hartford, Conn. Antifriction-bearing mounting. 1,583,562; May 4.
Stern, Hilton S., Houston, Tex. Extensible carrier for pleasure cars. 1,583,623; May 4.
Stewart-Warner Speedometer Corporation. (See Burton, Chas. S., assignor.)
Stewart-Warner Speedometer Corporation. (See West, Frank W., assignor.)
Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)
Stewart, William F., St. Louis, Mo. Flue. 1,583,196; May 4.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,583,263; May 4.
Stiemke, Walter H. (See Jett, George C., assignor.)
Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Expression mechanism for player pianos. 1,583,197; May 4.
Stoloff, Charles I., New York, N. Y. Saliva-ejecting device. 1,583,023; May 4.

Stover, Paul A., assignor to The Stover Signal Engineering Co., Racine, Wis. Door for a vehicle signal lamp. Des. 70,087; May 4.

Stover Signal Engineering Co., The. (See Stover, Paul A., assignor.)

Stroud, William. (See Barr, A., and Stroud.)

Strachan, Charles B., Mascot, Tenn., assignor to Strachan Tube Mill Company. Pulverizing mill. 1,583,324; May 4.

Strachan Tube Mill Company. (See Strachan, Charles B., assignor.)

Strauss, Joseph B., Chicago, Ill. Bridge. 1,583,705; May 4.

Strauss, Joseph B., Chicago, Ill. Protecting metal and metal structures. 1,583,198; May 4.

Street & Kent Mfg. Co. (See Dale, William B., assignor.)

Stromquist, Joseph A., McPherson, Kans. Grain elevator. 1,583,624; May 4.

Strong, Hiram W., and C. E. Davidson, assignors to The Coleman Lamp Company, Wichita, Kans. Portable camp stove. 1,583,373; May 4.

Stubing, Frederick J., sr., White Plains, N. Y. Tree-repairing device. 1,583,625; May 4.

Sturgis, Raymond F., Rahway, N. J., assignor to The Torridion Company, New York, N. Y. Oil burner. 1,583,024; May 4.

Sturgis, Raymond F., Rahway, N. J., assignor to The Torridion Company, New York, N. Y. Oil burner. 1,583,025; May 4.

Stutz, Joseph, Uster, assignor to Schweizerkäse-Konserven A. G., Schindellegi, Schwyz, Switzerland. Cheese and like box. 1,583,026; May 4.

Submarine Signal Corporation. (See Slichter, Louis B., assignor.)

Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)

Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)

Sundstrand, Oscar J., assignor to Rockford Milling Machine Company, Rockford, Ill. Adding and listing machine. 1,583,102; May 4.

Sundstrom, Carl, and G. N. Terziev, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Forming sodium compounds. 1,583,662; May 4.

Sundstrom, Carl, and G. N. Terziev, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Forming sodium carbonate. 1,583,663; May 4.

Superheater Company, The. (See Ostermann, Rudolf M., assignor.)

Swarts, Harry J., assignor to De Forest Corporation, Tulsa, Okla. Identification tag. 1,583,626; May 4.

Sydee, Walter R. (See Frood, H., and Sydee.)

Taliaferro, John C., Baltimore, Md., and A. L. Kronquest, Chicago, Ill., assignors to Continental Can Company, Syracuse, N. Y. Combined filling and closing machine. 1,583,627; May 4.

Taub, Ludwig, H. Janssen, and G. Wesenberg, Elberfeld, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Silver-protein preparation. 1,582,940; May 4.

Taylor, Walter C., St. Louis, Mo. Artificial bait for fish. 1,583,199; May 4.

Taylor, William H., Upper Darby, assignor of one-half to Mrs. A. R. King, Incorporated, Philadelphia, Pa. Die for shoe soles. 1,582,941; May 4.

Technicolor Motion Picture Corporation. (See Ball, Joseph A., assignor.)

Terziev, George N. (See Sundstrom, C., and Terziev.)

Tessier, Jollen, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,583,706; May 4.

Tessier, Jollen, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture camera. 1,583,707; May 4.

Texas Company, The. (See Behimer, Otto, assignor.)

Texas Company, The. (See White, George D., assignor.)

Textile Leather & Metal Preserver Co. Inc. (See Shaffer, Clarence D., assignor.)

Thacher, George H., jr., Melrose, Mass. Stoker bar. 1,583,027; May 4.

Thierry, Herman A., Detroit, Mich. Crayon holder. 1,583,200; May 4.

Thilmany Pulp & Paper Company. (See Engel, William H., assignor.)

Thomas, Alfred J., Braintree, Mass. Shoe upper and finishing the edges thereof. 1,583,028; May 4.

Thomas, Elisha G., Vernon, N. Y., assignor to J. F. Herman, Washington, D. C. Connecting link for antiskid chains. 1,583,029; May 4.

Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pressure gauge. 1,582,942; May 4.

Thompson, James, Greeley, Colo. Device for grading and packaging articles according to size. 1,583,201; May 4.

Thompson, Kenna D., Brooklyn, N. Y. Adjustable seat. 1,583,030; May 4.

Thompson, Owen A. (See Rogers, Frank J., assignor.)

Thornbury, Jesse L., English, Ind. Seat cover. 1,583,202; May 4.

Tice, Carl. (See Tice, Fred L. and C.)

Tice, Fred L. and C., Kingfisher, Okla. Hand oiler. 1,583,430; May 4.

Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. China escutcheon. 1,583,325; May 4.

Tilles, Roy E., New Rochelle, N. Y., assignor, by mesne assignments, to Gotham Silk Hosiery Company, Inc., New York, N. Y. Imitation bouquet. 1,583,505; May 4.

Timken Roller Bearing Company, The. (See Vanderbeek, Herbert, assignor.)

Titus, Edwin A., Moline, Ill. Coal-chute gate. 1,583,031; May 4.

Todd, William C. and J. W. Pomeroy, Victoria, British Columbia, Canada. Water sprinkler. 1,582,943; May 4.

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Tolhurst, Herbert F., Cleveland, Ohio. Gas meter. 1,583,203; May 4.

Torridion Company, The. (See Sturgis, Raymond F., assignor.)

Towers, Donigan D., Brookline, Mass. Twister-ring lubricator. 1,583,431; May 4.

Transferable Safety Pocket Company. (See Desilets, Albert, assignor.)

Trask, James F., Los Angeles, Calif. Mattress. 1,583,032; May 4.

Treat, Sidney W. and A. G. Rosnes, assignors to Signode System, Inc., Chicago, Ill. Package-strapping bench. 1,583,033; May 4.

Tubular Woven Fabric Company. (See Bryant, Henry E., assignor.)

Turk, James W., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Finder. 1,582,944; May 4.

Turner, Albert. (See Heald, J. N., and Turner.)

Turner, Charles A., jr., Los Angeles, Calif. Breakfast nook. 1,583,264; May 4.

Turner Tanning Machinery Company, The. (See Kehrhahn, Alexander H., assignor.)

Udylite Process Company. (See Pierce, H. C., and Humphries, assignors.)

Uhrstrom, Christian, Seattle, Wash. Combination fireplace and furnace. 1,583,374; May 4.

Underwood Typewriter Company. (See Crews, Clarence M., assignor.)

Underwood Typewriter Company. (See Dobson, William A., assignor.)

Underwood Typewriter Company. (See Shaver, James E., jr., assignor.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)

Union Switch & Signal Company, The. (See McCann, R. A. and Nicholson, assignors.)

Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)

United Shoe Machinery Corporation. (See Bates, A., and Ricks and Aston, assignors.)

United Shoe Machinery Corporation. (See Hoyt, Charles H., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)

United Shoe Machinery Corporation. (See Ross, Henry E., assignor.)

U. S. Industrial Alcohol Co. (See Rodebush, Worth H., assignor.)

U. S. Industrial Alcohol Co. (See Willkie, Herman F., assignor.)

U. S. Tool Company. (See Smith, P. M., and Squarey, assignors.)

U. S. Tool Company. (See Squarey, E. M., Koch, and Borton, assignors.)

Universal Winding Company. (See Brink, Carl A., assignor.)

Universe Corporation. (See Dubrovin, John, assignor.)

Upton, Clifford D., Piqua, Ohio. Imparting a finish to shoe heels. 1,583,204; May 4.

Utterndorfer, Michael, and H. G. Cuisinier, Seattle, Wash. Chandelier. Des. 70,088; May 4.

Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Hydraulic can washer and drier. 1,583,034; May 4.

Valerius, Theodore L., Waukegan, Ill. and O. Larsen, Fort Atkinson, Wis., assignors to Creamery Package Mfg. Company, Chicago, Ill. Hydraulic can washer. 1,583,035; May 4.

Valentine, Percy W., Cambridge, assignor of one-half to L. L. Livingston, Abington, Mass. Thread-beating means for sewing machines. 1,583,757; May 4.

Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal. 1,583,506; May 4.

Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal. 1,583,507; May 4.

Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal. 1,583,508; May 4.

Vanderbeek, Herbert, assignor to The Timken Roller Bearing Company, Canton, Ohio. Machine for end-grinding conical rolls. 1,583,205; May 4.

Van Luven, William A., Rapid City, S. Dak. Pie-making machine. 1,583,945; May 4.

Van Pelt, Arnold F. (See Fischer, F., and Van Pelt.)

Van Valkenburgh, Richard M., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Binder. 1,583,036; May 4.

Vaughn Machinery Company, The. (See Williams, Warren K., assignor.)

Venables, Robert E. S., London, England. Automatic direction of traveling bodies. 1,583,750; May 4.

Vigliano, Joseph, New York, N. Y. Variable-speed control means. 1,583,375; May 4.

Viken, Antonius J., Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Film hanger. 1,583,708; May 4.

Viking Products Corporation. (See Van Bloem, Paul S., assignor.)

Vogel, William, New York, N. Y. Flash pistol. 1,583,206; May 4.

Voight, George F., Oakland, Calif. Wire fastener. 1,583,265; May 4.

Vreeland, George W., Steubenville, Ohio. Apparatus for handling flue dust. 1,582,946; May 4.

Vuillerme, Marcel, Velizy-Villacoublay, France. Coupling and entraining device forming a speed regulator. 1,583,628; May 4.

Wadsworth Watch Case Company, The. (See Beebe, Murray C., assignor.)

Waggoner, Homer T. (See Winks, Miles E., assignor.)

Wagner, Hayden W., assignor to Coldwell Lawn Mower Company, Newburgh, N. Y. Lawn mower. 1,583,103; May 4.

Wagner, Hayden W., Newburgh, D. Case, Beacon, and W. Gedney, assignors to Coldwell Lawn Mower Company, Newburgh, N. Y. Draft arrangement. 1,582,947; May 4.

Wagner, John F., Oriska, N. Dak. Steering attachment. 1,583,629; May 4.

Wahl, Leo J., Sterling, Ill. Clippers. 1,583,207; May 4.

Wain, Henry J., assignor to Warwick China Company, Wheeling, W. Va. Plate or similar article. Des. 70,089; May 4.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,583,630; May 4.

Walker, Floyd M. (See Walker, Glen J. and F. M.)

Walker, Glen J., Indianapolis, Ind., and F. M. Walker, assignors to Advance Pattern and Production Company, Detroit, Mich. Bore-testing device. 1,583,208; May 4.

Walker, Robert L. (See Nevins, W. W., and Walker.)

Wallace, John, and Sons, Limited. (See Wallace, William B., assignor.)

Wallace, William B., assignor to John Wallace and Sons, Limited, Glasgow, Scotland. Traction device. 1,583,209; May 4.

Walker, Jesse S., Terre Haute, Ind. Snap hook. 1,583,326; May 4.

Walsdorf, Edward H., et al. (See Sauton, George H., assignor.)

Walsh, Daniel J., Pittsfield, Mass. Excavating machine. 1,583,327; May 4.

Walters, James N., East Orange, N. J. and C. Ewing, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Testing system. 1,582,948; May 4.

Walworth-English-Flett Company. (See Crane, Newton, assignor.)

Wanamaker, Harry F., jr., and A. M. Gallagher, assignors, to Proctor & Schwartz, Inc., Philadelphia, Pa. Stocking form. 1,583,631; May 4.

Warwick China Company. (See Wain, Henry J., assignor.)

Washauer, Alfred M. (See Johnson, J. R., and Washauer.)

Watertown Bag Machine Co., The. (See Coty, Alfred C., assignor.)

Watertown Manufacturing Company, The, et al. (See Robertson, William P., assignor.)

Waxbom, Charles E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,582,949; May 4.

Weaver, Jesse R., and L. E. Fuller, Indianapolis, Ind. Chiropractor's table. 1,582,950; May 4.

Webb, Lewis W. (See Crocker, C. T., Stearns, and Webb.)

Webb, William R., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether film and composition for making the same. 1,583,709; May 4.

Webster, Warren M., Oakland, Calif. Wood treatment. 1,583,037; May 4.

Wedge, Utley, Ardmore, Pa. Furnace. 1,582,951; May 4.

Wedge, Utley, Paoli, Pa. Oxidizing or carbonizing fuel. 1,582,952; May 4.

Wefel, William C. H., Denver, Colo. Electric-lighting system. 1,583,210; May 4.

Weil, Konrad, Berlin, Germany. Bottle closure. 1,583,038; May 4.

Weller, Wilhelm, Niederschonhausen, Germany, assignor to General Electric Company. Voltage-regulating system. 1,583,632; May 4.

Weissbrod, Willis H., Greenfield, Mass. Key case. 1,583,633; May 4.

Welch, Alfred F., Fort Wayne, Ind. Dishwasher. 1,583,710; May 4.

Welch, John B., New Orleans, La. Apparatus for drying and the like. 1,583,376; May 4.

Welch, John M., Brooklyn, N. Y., assignor to Federated Engineers Development Corporation, Jersey City, N. J. Cigarette holder. 1,583,509; May 4.

Weleba, Edward, Ferguson, Mo., assignor of 20% to Wiegers, St. Louis, Mo. Strainer. 1,583,377; May 4.

Wesenberg, Georg. (See Taub, L., Janssen, and Wesenberg.)

West, Frank W., New Rochelle, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Spindle bracket. 1,583,378; May 4.

Western Electric Company. (See Houskeeper, William G., assignor.)

Western Electric Company. (See Moore, Charles R., assignor.)

Western Electric Company. (See Nicolson, Alexander M., assignor.)

Western Electric Company. (See Pfannenstiehl, Harry, assignor.)

Western Electric Company. (See Reddig, Charles E., assignor.)

Westinghouse Air Brake Company, The. (See Farmer C. C., and McCune, assignors.)

Westinghouse Air Brake Company, The. (See Farmer Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)

Westinghouse Air Brake Company, The. (See Wildin, G. W., and Farmer, assignors.)

Westinghouse, Henry H., New York, N. Y. Ventilated food receptacle. 1,583,211; May 4.

Westinghouse Lamp Company. (See McKay, William A., assignor.)

Weymann, Charles T., Paris, France. Closed road motor-vehicle body. 1,583,239; May 4.

W-H Keyless Lock Company. (See Hatch, Alexander G., assignor.)

W-H Keyless Lock Company. (See Wildrick, Meade, assignor.)

Whalen, Edward J. (See Conley, E. J., and Whalen.)

Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Pump for suction feed systems. 1,582,953; May 4.

Whipple, Allen D., Milwaukee, Wis. Motion-transmitting apparatus. 1,583,379; May 4.

White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Joining materials. 1,582,954; May 4.

White, Raymond E., assignor to Winslow Safety High-Pressure Boiler Co., Chicago, Ill. Constructing boilers. 1,583,758; May 4.

White, Thomas E., Waterbury, Conn. Variable condenser. 1,583,634; May 4.

Whitehead, Lionel D. (See Ashley, J. P., and Whitehead.)

Whitney, William E., Helmsburg, assignor to E. C. Atkins & Company, Incorporated, Indianapolis, Ind. False tooth for saws. 1,583,765; May 4.

Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,583,240; May 4.

Wickstrum, Cecil M., Omaha, Nebr. Tent. 1,583,039; May 4.

Wiegars, August. (See Weleba, Edward, assignor.)

Wilcox, Merrill M., deceased, Saginaw, Mich.; A. E. Snow, administrator. Poppet valve. 1,583,432; May 4.

Wildin, George W., and C. C. Farmer, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-control device. 1,582,955; May 4.

Wildrick, Meade, assignor to W-H Keyless Lock Company, Limited, Honolulu, Hawaii. Keyless Lock. 1,583,635; May 4.

Wilkes, Frederick C. D. and F. K. Flynn, assignors to Luce Cane Harvester Corporation, New York, N. Y. Topping device for sugar-cane harvesters. 1,583,510; May 4.

Williams Foundry and Machine Company, The. (See Castonguay, Leger S., assignor.)

Williams Foundry and Machine Company, The. (See Flynn, John, assignor.)

Williams, Frederick L., Denver, Colo. Lapwelded pipe. 1,583,212; May 4.

Williams, Paul, Los Angeles, Calif. Automobile bumper. 1,583,636; May 4.

Williams, Percy N., Pelham Manor, N. Y. Regulating device for orthodontic correcting appliances. 1,583,213; May 4.

Williams, Warren K., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire-drawing drum. 1,583,380; May 4.

Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc. Purification of propyl alcohols. 1,583,328; May 4.

Wilson, Reginald, New York, N. Y. Refrigerated-butter-cutting machine. 1,583,637; May 4.

Wilson-Western Sporting Goods Co. (See Levinson, David, assignor.)

Winks, Miles E., San Jose, Calif., assignor of one-half to H. T. Waggoner, Stroh, Ind. Fuse plug. 1,583,266; May 4.
Winslow Safety High-Pressure Boiler Co. (See White, Raymond E., assignor.)
Winthrop Chemical Company. (See Tuab, L., Janssen, and Wesenberg, assignors.)
Wisner, Charles E. (See Coburn, James W., assignor.)
Wiss, Carl A., Fort Dodge, Iowa. Cultivator. 1,583,329; May 4.
Wissinger, Thomas K. (See Howard, Charles O., assignor.)
Witt Cornice Company, The. (See Witt, Jesse W., assignor.)
Witt, Jesse W., assignor to The Witt Cornice Company, Cincinnati, Ohio. Can structure. 1,583,433; May 4.
Wittel, Otto. (See Chapman, A. K., and Wittel.)
Wompey, John J., Denver, Colo. Light reflector. 1,583,216; May 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Curved-stereotype-plate-casting mold. 1,583,214; May 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Casting and finishing machine for curved stereotype plates. 1,583,215; May 4.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodland, Percy T., Durban, Natal, South Africa. Harvesting machine. 1,583,751; May 4.
Woodson, Duffield, Peoria, Ill. Clothes cleaner. 1,583,511; May 4.
Worth, Herbert L., Riverside, N. J. Dish and liner therefor. 1,583,512; May 4.
Wrigley, Wm., Jr., Company. (See Price, Albert M., assignor.)
Wünsch, Guido, assignor to C. Bamberg, Friedenau, Germany. Dry gas meter. 1,583,040; May 4.
Wurdack, Arthur, Normandy, Mo. Chair. 1,583,217; May 4.
Yale & Towne Manufacturing Company, The. (See (Ledin, C., and Bräuning, assignors.)
Yale & Towne Manufacturing Company. (See Lewis, Rollin C., assignor.)
Yale Electric Corporation. (See Barany, Edmund R., assignor.)
Yale Electric Corporation. (See Reinhardt, Otto K., assignor.)
Yolbo, Thomas C., Cumberland, Ohio. Disk wheel. 1,583,218; May 4.
Young, Charles M., jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Skip hoist. 1,583,711; May 4.
Young, John M., assignor to American Can Company, New York, N. Y. Key-opening can. 1,582,956; May 4.
Yount, John H., Pierce, Pa., assignor to J. R. Shoffner, Dora, Pa. Chain connecter. 1,583,330; May 4.
Zadiglan, Yacoub O., Union Hill, N. J. Slip construction. 1,583,638; May 4.
Zimmerman, James G., Chicago, Ill. Film pack. 1,583,381; May 4.
Zizka, John F., Chicago, Ill. Shade holder. 1,583,639; May 4.
Zitzerman, Jacob, Brooklyn, N. Y. Governor. 1,583,640; May 4.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive and making same, Artificial aluminous. H. A. Richmond and R. Macdonald, jr. 1,583,179; May 4.
Accumulator, Hydraulic. P. T. Hänel. 1,582,985; May 4.
Adding and listing machine. O. J. Sundstrand. 1,583,102; May 4.
Adjustable seat. K. D. Thompson. 1,583,030; May 4.
Aeroplane. F. H. Jacobs. 1,583,155; May 4.
Agricultural implements, Gang frame for. W. D. Frederick. 1,583,451; May 4.
Agricultural machines, Tractor frame for. A. T. Brown 1,582,967; May 4.
Aircraft, Stabilizer for the straight travel of. M. A. Mazade. 1,583,359; May 4.
Airplanes, Safety attachment for. V. J. M. Procopio. 1,583,745; May 4.
Air-releasing device. D. H. Hoag. 1,582,928; May 4.
Alarm: *See*—
Burglar alarm.
Alcoholic preparation for topical use. C. Ellis. 1,582,912; May 4.
Alcohols, etc., Obtaining. W. H. Rodebush. 1,583,314; May 4.
Alcohols, Purification of propyl. H. F. Willkie. 1,583,328; May 4.
Alloys, Treating aluminum-silicon. A. G. C. Gwyer and H. W. L. Phillips. 1,583,549; May 4.
Amplifier, Tone. G. Bauer. 1,583,382; May 4.
Amusement device. H. Gnewotta. 1,582,977; May 4.
Amusement device. G. P. Goodfellow. 1,583,753; May 4.
Angle-cock handle. F. J. Hanrahan. 1,583,142; May 4.
Anthraquinone, Purification of. H. F. Lewis. 1,583,297; May 4.
Antiskid chains, Connecting link for. E. G. Thomas. 1,583,029; May 4.
Apples, Machine for paring, coring, and removing seed cells from. F. A. Reynolds. 1,583,100; May 4.
Arch support. D. Grant. 1,583,682–5; May 4.
Assembling machine, Nail - knob-. T. H. Hanley. 1,583,458; May 4.
Athletic garment. D. Levinson. 1,583,074; May 4.
Atomizer, Centrifugal. A. J. Loepsinger. 1,582,992; May 4.
Automatic regulator. J. S. O'Hara. 1,583,361; May 4.
Automobile bumper. W. J. Grotenhuis. 1,582,979; May 4.
Automobile bumper. P. Williams. 1,583,636; May 4.
Automobile bumper and bracket. J. J. Mascuch. 1,583,064; May 4.
Automobile bumper bracket. W. A. Starck. 1,583,504; May 4.
Automobile curtain. W. C. Loud. 1,583,234–5; May 4.
Automobile door handle. G. E. Bishop. 1,583,385; May 4.
Automobile exhaust generator propulsion. R. Steinberg. 1,583,621; May 4.
Automobile jack handle. J. Abbiuso. 1,582,889; May 4.
Automobile rear bumper. W. J. Grotenhuis. 1,582,980–1; May 4.
Automobile shutter and lock, Automatic. J. H. Roethel. 1,583,315; May 4.
Automobile tail lights, Signal attachment for. A. A. Ewald. 1,583,224; May 4.
Automobiles and like road vehicles, Resilient suspension means for. F. Murphy. 1,583,731; May 4.
Baby-feeding device. E. H. Pearson. 1,583,742; May 4.
Ball: *See*—
Golf ball. Playing ball.
Bait for fish, Artificial. W. C. Taylor. 1,583,199; May 4.
Baking pan. E. C. Larsen. 1,583,295; May 4.
Bar: *See*—
Stoker bar.
Barrel-rotating device. C. E. Farrington. 1,582,919; May 4.
Basket-ball goal. E. W. Roe. 1,583,011; May 4.
Basket foot. F. M. Snyder. 1,583,501; May 4.
Bathing structure, Portable adjustable. W. H. Curtis. 1,583,127; May 4.
Batteries, Semidry electrolyte for storage. N. L. Collins. 1,583,445; May 4.
Battery: *See*—
Storage battery.
Battery box. E. R. Barany. 1,583,517; May 4.
Battery box and circuit lock. A. P. Sayers. 1,583,609; May 4.
Battery cell. A. H. Snyder. 1,583,021; May 4.
Bearing. E. Schneider. 1,582,935; May 4.
Bearing mounting, Antifriction-. K. A. Stenner. 1,583,502; May 4.
Bearing, Rocker. H. O. Hem. 1,583,251; May 4.
Bearings, Making rollers for roller. A. H. Jones. 1,583,468; May 4.
Bed covering. Mary Bloom. 1,583,334; May 4.
Bed with resilient support for spring frames. G. Gangelhoff and M. Jordan. 1,583,588; May 4.
Bench: *See*—
Package-strapping bench.
Beverage-dispensing vessel. S. H. Ershler. 1,583,539; May 4.
Bank, Savings. G. F. Geiger. Des. 70,071; May 4.
Bin: *See*—
Rotary bin.
Binder. R. Van Valkenburgh. 1,583,036; May 4.
Binders, Grain-saving attachment for. A. G. Ens. 1,583,131; May 4.
Birdcage. N. W. Hendryx. Des. 70,073; May 4.
Blower. G. Clements. 1,583,528; May 4.
Board: *See*—
Ironing board. Plaster board.
Boats and the like, Power-transmission system for. A. U. Avera. 1,583,641; May 4.
Bobbin-making machine. O. K. Reinhardt. 1,583,312; May 4.
Boll-weevil-exterminating machine. N. L. Abercrombie. 1,583,434; May 4.
Bombing and torpedo attacks, System for carrying out mimic. A. W. Parsons. 1,583,237; May 4.
Boot-brushing apparatus. B. Grapentin. 1,583,589; May 4.
Bore-testing device. G. J. and F. M. Walker. 1,583,208; May 4.
Bottle. J. P. Meyer. Des. 70,081; May 4.
Bottle. F. R. Miller. Des. 70,082; May 4.
Bottle closure. E. Simmons. 1,583,019; May 4.
Bottle closure. K. Weil. 1,583,038; May 4.
Bottle washer. O. Anderson, jr., and T. McCarthy. 1,583,219; May 4.
Bouquet, Imitation. R. E. Tilles. 1,583,505; May 4.
Box: *See*—
Battery box. Pen and pencil box.
Cheese and like box. Storage-battery box.
Mail box.
Box-opening device. H. L. Nennstiehl. 1,583,603; May 4.
Bracket: *See*—
Spindle bracket.
Brake: *See*—
Automobile bumper bracket. Wall bracket.
Fluid-pressure brake.
Brake. C. E. Coleman. 1,583,529; May 4.
Brake and safety lock combined, Emergency. F. A. Eichorn. 1,582,911; May 4.
Brake mechanism. H. A. Myers. Re16,342; May 4.
Brake-operating mechanism. A. P. Brush. 1,583,121; May 4.
Brake-operating mechanism. R. S. Sanford. 1,583,185; May 4.
Brake-pipe-venting device. C. C. Farmer. 1,582,916; May 4.
Brake-valve pedestal. C. C. Farmer. 1,582,918; May 4.
Breakfast nook. C. A. Turner, jr. 1,583,266; May 4.
Break-web switch, Automatic. C. J. V. Hentschell and W. Hall. 1,582,927; May 4.
Brick, panel, Fire-. J. R. C. F. X. Reille. 1,583,009; May 4.
Bridge. J. B. Strauss. 1,583,705; May 4.
Brush. E. L. H. Cosby. 1,583,664; May 4.
Brush. W. Grumbacher. 1,582,982; May 4.
Bucket washer, Sanitary. C. C. Frederick and W. W. Evans. 1,583,450; May 4.
Buffer-testing device. E. A. Banschbach. 1,583,109; May 4.
Burglar alarm. F. A. Reece and L. T. Coventry. 1,583,370; May 4.
Burner: *See*—
Heating burner. Vaporizing blue-flame burner.
Oil burner.
Burner system and control therefor. W. B. Ewing. 1,582,913; May 4.
Burners of explosive fuels, Electrical safety control circuit for. F. Fischer and A. F. Van Pelt. 1,583,586; May 4.

Butter-cutting machine, Refrigerated-. R. Wilson. 1,583,637; May 4.
Butter substitutes, Manufacture of. H. A. Kohman and L. H. Ashe. 1,583,294; May 4.
Cable joint. R. W. Atkinson. 1,583,766; May 4.
Cake-decorating machine. S. L. Cleveland and R. I. Cleveland. 1,583,389; May 4.
Calcium-hypochlorite compounds, Producing. G. Pistor, H. L. Shultze, and H. Reitz. 1,583,421; May 4.
Calculating machine. F. A. Hart. 1,583,290; May 4.
Calendar. E. T. Crooker. 1,583,666; May 4.
Camera, Automatic film-winding. C. A. Bornmann. 1,583,116; May 4.
Camera-lens-carriage clamp. F. W. Brehm. 1,583,651; May 4.
Camera, Motion-picture. J. Tessier. 1,583,707; May 4.
Camera, Photographic. J. Tessier. 1,583,706; May 4.
Can: *See*—
Freezing can.
Can-filling machine. M. Hofheimer. 1,583,352; May 4.
Can structure. J. W. Witt. 1,583,433; May 4.
Can washer and drier, Hydraulic. T. L. Valerius and O. Larsen. 1,583,034; May 4.
Can washer, Hydraulic. T. L. Valerius and O. Larsen. 1,583,035; May 4.
Candy and confections, Manufacture of. J. J. Pawlas. 1,583,166; May 4.
Caoutchouc and product produced thereby, Vulcanizing. L. B. Sebrell. 1,583,761–3; May 4.
Cap or closure. W. Neil. 1,583,485; May 4.
Car door. A. L. Casey. 1,583,443; May 4.
Cars, Extensible carrier for pleasure. H. S. Stern. 1,583,623; May 4.
Cars, Shock absorber for Ford. D. S. Kellam. 1,583,049; May 4.
Cars, Spring fastening for motor. F. Adrianssens. 1,583,104; May 4.
Carbon, Device for removing. J. H. Meints. 1,583,001; May 4.
Carburetor. G. W. Donning. 1,583,584; May 4.
Carburetor tube. J. M. Mertz. 1,583,303; May 4.
Card game. M. K. Cooke. 1,583,223; May 4.
Carpet sweeper. J. L. Shorrock. 1,583,192; May 4.
Carrier: *See*—
Convertible carrier. Freight carrier.
Cartridge, Shotgun. C. H. Kenneweg. 1,583,559; May 4.
Case: *See*—
Cigarette case. Vanity case.
Key case.
Casting machine, Centrifugal. J. W. Coburn. 1,583,576; May 4.
Casting, Process for bottom. P. H. G. Durville. 1,583,248; May 4.
Cement blocks, Nailing key for. E. A. Long. 1,583,077; May 4.
Centrifugal machine, Permanently-acting. T. Langenberg. 1,583,056; May 4.
Chain and crosstie link assembling machine. G. B. Smith. 1,583,321–2; May 4.
Chain connecter. J. H. Yount. 1,583,330; May 4.
Chair: *See*—
Folding chair.
Chair. A. Wurdack. 1,583,217; May 4.
Chair-repairing device. A. McTernen. 1,583,300; May 4.
Chandelier. M. Uttendorfer and H. G. Cuisinier. Des. 70,088; May 4.
Chart for feeding. R. E. Caldwell. 1,583,527; May 4.
Cheese and like box. J. Stutz. 1,583,026; May 4.
China escutcheon. B. O. Tilden. 1,583,325; May 4.
Chiropractor's table. J. R. Weaver and L. E. Fuller. 1,582,950; May 4.
Cigar and cigarette receptacle, Combined. E. Caldwell. Des. 70,052; May 4.
Cigarette-case. C. W. Lloyd. 1,582,991; May 4.
Cigarette container. G. H. Gross. 1,582,925; May 4.
Cigarette holder. J. M. Welch. 1,583,509; May 4.
Cinematography, Color. J. A. Ball. 1,583,108; May 4.
Circuit closer. C. E. Betzler. 1,583,113; May 4.
Clamp: *See*—
Camera-lens-carriage clamp. Extension clamp.
Class ring. A. H. Andersen. Des. 70,047; May 4.
Cleaner: *See*—
Clothes cleaner. Golf-ball cleaner.
Comb cleaner. Vehicle cleaner.
Cleat for conveyer chains. D. L. Smith. 1,583,614; May 4.
Clippers. L. J. Wahl. 1,583,207; May 4.
Clock-controlled switch. G. H. Roney. 1,583,760; May 4.
Clothes cleaner. D. Woodson. 1,583,511; May 4.
Clutch mechanism. D. S. de Lavaud. 1,583,530; May 4.
Coal-chute gate. E. A. Titus. 1,583,031; May 4.
Coal drill. N. D. Levin. 1,582,990; May 4.
Coal gathering and loading machine. W. E. Cox. 1,583,665; May 4.
Coating composition containing nitrocellulose and hard rubber. S. E. Sheppard and J. J. Schmitt. 1,583,703; May 4.
Coffeepot. H. D. Kelly. Des. 70,076; May 4.
Coin-controlled machine. F. F. King. 1,582,933; May 4.
Collar support and necktie holder. D. Allen. 1,583,267; May 4.
Coloring apparatus, Sheet-. J. E. Kane. 1,583,353; May 4.
Comb cleaner. F. B. Masuoka. 1,583,729; May 4.
Comb foundation. H. H. Root. 1,583,605; May 4.
Combustion regulation. G. H. Gibson. 1,583,398; May 4.
Compressor. L. J. Clapp. 1,583,232; May 4.
Compressor. J. Dubrovin. 1,583,535; May 4.
Compressor. F. D. Holdsworth. 1,583,231; May 4.
Compressor for refrigerating plants. C. E. Jeffers. 1,583,156; May 4.
Concrete doors, Making multicolored. W. H. Anfield. 1,583,516; May 4.
Condenser. R. N. Ehrhart. 1,583,448; May 4.
Condenser-plate system. E. M. Squarey, F. Koch, and A. E. Borton. 1,583,503; May 4.
Condenser, Variable. T. E. White. 1,583,634; May 4.
Condensers and the like, Composition and method of cleaning. S. Garbarino. 1,582,974; May 4.
Condensers, Rotor system for. P. M. Smith and E. M. Squarey. 1,583,499; May 4.
Confection apparatus. J. Parcell. 1,583,364; May 4.
Confection, Tubular. A. D. Fisher. 1,583,134; May 4.
Conical rolls, Machine for end grinding. H. Vanderbeck. 1,583,205; May 4.
Convertible carrier. H. Dykman. 1,583,284; May 4.
Conveyer. D. Parker. 1,583,093; May 4.
Conveyers, Trip and brake device for. L. E. Parker. 1,583,005; May 4.
Cooking apparatus. A. M. Demuth. 1,583,396; May 4.
Cooking elements, Apparatus for heating. F. A. Litter. 1,583,076; May 4.
Cooling and ventilating, Method of and apparatus for. L. L. Lewis. 1,583,060; May 4.
Cooling device. F. W. Steere. 1,583,195; May 4.
Cooling drum, Rotary. H. J. J. Bigum. 1,583,333; May 4.
Cords, ropes, and the like, Grip for. J. H. Duerden. 1,583,343; May 4.
Coring tool. F. E. Shriver. 1,582,936; May 4.
Corn popper. A. P. Lewis. 1,583,357; May 4.
Cotton crusher and cultivator. J. P. Olson. 1,583,737; May 4.
Coupling: *See*—
Flexible coupling.
Coupling and entraining device forming a speed regulator. M. Vuilliermе. 1,583,628; May 4.
Coupling mechanism, Free-wheel-. T. Pantofliček. 1,583,092; May 4.
Cover-operating mechanism. W. S. Orr. 1,583,604; May 4.
Cover, Removable. A. C. Riggs. 1,583,257; May 4.
Crank support, Starting-. F. Axelson. 1,583,566; May 4.
Crate. H. M. Morrill. 1,583,483; May 4.
Crayon holder. H. A. Thierry. 1,583,200; May 4.
Crucibles and other uses, Tubular-flame oil burner for. E. A. Reid. 1,583,311; May 4.
Cultivator. D. E. Richardson. 1,583,422; May 4.
Cultivator. C. A. Wiss. 1,583,329; May 4.
Cup: *See*—
Oil cup.
Curtain fixture. G. M. Kenney. 1,582,932; May 4.
Cutter: *See*—
Rotary cutter. Weed cutter.
Cutter adjustment. A. Bates, F. Ricks, and A. A. Aston. 1,582,959; May 4.
Desk, Collapsible traveler's. G. H. Malott. 1,583,161; May 4.
Detoxifying compound and making it. G. P. Metz. 1,583,002; May 4.
Dial lock, Combination. R. C. Lewis. 1,583,402; May 4.
Discharge tube with inclosed-arc discharge. G. Holst, E. Oosterhuis, and J. Bruignes. 1,583,593; May 4.
Dish and liner therefor. H. L. Worth. 1,583,512; May 4.
Dishwasher. A. F. Welch. 1,583,710; May 4.
Dishwashing machine. W. U. Murrish. 1,583,236; May 4.
Disk wheel. T. C. Yoho. 1,583,218; May 4.
Dispensing apparatus. A. Boomershine. 1,582,963; May 4.
Dispensing apparatus. A. W. Ram. 1,583,007; May 4.
Dispensing device. J. S. MacMullen and M. L. McReynolds. 1,583,727; May 4.
Dispensing mechanism, Seed-. C. A. A. Rand. 1,583,008; May 4.
Display box for soaps. M. Blette. Des. 70,049; May 4.
Display device, Magazine-. F. A. Cook. 1,583,391; May 4.
Display rack, Rotary. R. F. Johnson. 1,583,158; May 4.
Dolls, Head for rag. R. Mackay. 1,583,408; May 4.
Door closer. E. L. Hill. 1,583,149; May 4.
Doorlock. W. A. Lurie. 1,583,079; May 4.
Door-operating means. D. M. Lee. 1,582,989; May 4.
Door stop, Swinging-. E. H. Bobo. 1,583,650; May 4.
Dough-proofing machine. W. G. Kirchhoff. 1,583,052; May 4.
Draft arrangement. H. W. Wagner, A. D. Case, and W. Gedney. 1,582,947; May 4.
Draft mechanism. R. E. L. Janney. 1,583,467; May 4.
Dredging apparatus. L. H. Falley. 1,583,132; May 4.
Drier: *See*—
Steam drier.
Drill: *See*—
Coal drill. Grain drill.
Drill or coring tool. T. M. Conrey. 1,582,904; May 4.
Drill shafts, Continuous strap for guarding. L. L. Schauer. 1,583,561; May 4.

Drilling machine. G. H. Gilman. 1,583,288; May 4.
Drive unit. A. M. Leonl. 1,583,058; May 4.
Dry-cleaning or dry-dyeing establishment. G. H. Felthaus. 1,583,712; May 4.
Drying and the like, Apparatus for. J. B. Welch. 1,583,376; May 4.
Dumb-bell, Electric. Y. Sence. 1,583,261; May 4.
Dump body. J. A. Pollard. 1,583,744; May 4.
Dyeing machine, Yarn-. J. E. Coleman. 1,583,577; May 4.
Dyestuff, Production of vat. D. G. Rogers and L. C. Daniels. 1,583,258; May 4.
Echo-suppressor sensitivity, Automatic regulation of. H. S. Hamilton. 1,582,984; May 4.
Educational device. M. H. Loughridge. 1,583,061; May 4.
Electric iron with removable heating element. N. Hansson. 1,583,460; May 4.
Electric-lighting system. W. C. H. Wefel. 1,583,210; May 4.
Electric-meter-protecting means. G. H. Sauton. 1,583,607–8; May 4.
Electric switch. G. S. Leddick. 1,583,598; May 4.
Electric switch. G. W. Lieberum. 1,583,599; May 4.
Electric switch. W. L. Slayton. 1,583,194; May 4.
Electric switch, Delayed-action. H. U. Mitchell. 1,583,601; May 4.
Electric switch, Remote-control. G. W. Hart. 1,582,987; May 4.
Electric wall bracket. F. Craib. Des. 70,070; May 4.
Electric-wire connecter. W. P. Marr. 1,583,479; May 4.
Electrical connecter. A. E. Latham. 1,583,697; May 4.
Electrical receptacle. C. B. Avery. 1,582,957; May 4.
Electromagnet, Alternating-current. P. F. Harris. 1,582,986; May 4.
Electron-discharge device. W. G. Housekeeper. 1,583,463; May 4.
Electrostatic condenser. W. W. Nevins and R. L. Walker. 1,583,306; May 4.
Elevator: *See*—
Grain elevator.
Elevator. E. S. Brinker and J. R. R. Haviland. 1,582,966; May 4.
Elevator signal. P. S. Van Bloem. 1,583,506–8; May 4.
Elevators, Feeding mechanism for. H. F. Gorsuch. 1,583,349; May 4.
Enameling. H. C. Pierce and C. H. Humphries. 1,583,006; May 4.
Engine: *See*—
Internal-combustion engine.
Engine transmission. A. L. Powell. 1,583,368; May 4.
Engines, Hand-starting-crank mechanism for. D. Behrsing and F. W. Henke, jr. 1,583,332; May 4.
Engines, Piston for internal-combustion. S. I. Fekete. 1,583,286; May 4.
Engines, Radiator shell for internal-combustion. R. L. Pate. 1,583,094; May 4.
Engines, Regulator for internal-combustion. G. K. Davol 1,583,672; May 4.
Engines, Rotary valve for explosive. R. C. Russell. 1,583,260; May 4.
Engines, Transmission for. A. L. Powell. Re16,343–4; May 4.
Engines, Valve for internal-combustion. M. J. Smith. 1,583,323; May 4.
Engines, Valve structure for explosive. C. A. Raqué. 1,583,177; May 4.
Engraving process. A. A. Heath. 1,583,689; May 4.
Excavating machine. D. J. Walsh. 1,583,327; May 4.
Extension clamp, Detachable. B. W. Seely. 1,583,611; May 4.
Eyeshade. S. Sherman. 1,583,017; May 4.
Fabrics, Machine for napping. M. F. Flynn. 1,583,587; May 4.
Fastening mechanism. C. H. Hoyt. 1,583,045; May 4.
Fertilizer and making same. R. R. Hind. 1,583,151; May 4.
Fiber material or product. A. H. Carrier. 1,583,654; May 4.
Filling and closing machine, Combined. J. C. Tallaferro and A. L. Kronquest. 1,583,627; May 4.
Filling machine. E. E. Kallenbach. 1,583,558; May 4.
Film and composition for making the same, Cellulose-ether. W. R. Webb. 1,583,709; May 4.
Film-footage indicator and latch, Combined. A. K. Chapman and O. Wittel. 1,583,650; May 4.
Film hanger. A. J. Viken. 1,583,708; May 4.
Film pack. J. G. Zimmerman. 1,583,381; May 4.
Finder. J. W. Turk. 1,582,944; May 4.
Finger ring. C. A. Hogue. Des. 70,075; May 4.
Firearms, Cartridge extractor for breakdown. L. P. Smith. 1,583,615; May 4.
Firearms, Safety mechanism for. L. P. Smith. 1,583,617; May 4.
Fire control. L. Radford. 1,583,308; May 4.
Fireplace. T. S. McCallum. 1,583,080; May 4.
Fireplace and furnace, Combination. C. Uhrstrom. 1,583,374; May 4.
Fishing reel. C. T. Pflueger. 1,583,764; May 4.
Flash-light holder. J. Lacklen. 1,583,596; May 4.
Flexible coupling. F. R. McGee. 1,582,997; May 4.
Floor covering, Waterproof. G. Prifold. 1,583,098; May 4.
Floor-surfacing machine. C. E. Haynes. 1,583,145; May 4.
Floors and other surfaces, Cleaning appliance for. M. A. E. Mayes. 1,583,358; May 4.
Flue. W. F. Stewart. 1,583,196; May 4.
Flue dust, Apparatus for handling. G. W. Vreeland. 1,582,946; May 4.
Fluid-pressure brake. C. C. Farmer and J. C. McCune. 1,582,917; May 4.
Fluid-pressure regulation. J. H. Berry. 1,582,896; May 4.
Flying machine. A. W. Herrick. 1,583,147; May 4.
Foil, Mechanism for supplying. E. J. Conley and E. J. Whalen. 1,583,339; May 4.
Folding chair. W. C. Rastetter. 1,583,491; May 4.
Food receptacle, Ventilated. H. H. Westinghouse. 1,583,211; May 4.
Force-draft apparatus. P. F. Lynn. 1,583,726; May 4.
Frame: *See*—
Trial frame.
Freezing can. A. J. Bentley. 1,583,112; May 4.
Freight carrier. A. H. Smith. 1,583,319; May 4.
Fuel, Furnace for the combustion of. J. S. Atkinson. 1,583,436; May 4.
Fuel mixtures, Production of. T. H. Butler, H. W. Robinson, C. Mortimer, and D. W. Sparkes. 1,583,573; May 4.
Fuel, Oxidizing or carbonizing. U. Wedge. 1,582,952; May 4.
Fulcrum device for earth-working implements. S. Rubio. 1,583,181; May 4.
Furnace. U. Wedge. 1,582,951; May 4.
Furnace control. M. G. Benjamin. 1,583,440; May 4.
Furnace regulator. F. M. Garman. 1,583,452; May 4.
Fused silica, Manufacture of articles in. H. George. 1,583,229; May 4.
Game. C. E. Burris and J. C. Heath. 1,583,244; May 4.
Game. J. C. Heath and C. E. Burris. 1,583,250; May 4.
Game, Racing. L. Pauer. 1,583,488; May 4.
Garment-supporting clamp or clasp. M. Black and S. Olkin. 1,583,386; May 4.
Garter. A. C. Herzberg. 1,583,552; May 4.
Garter. H. E. Ink. 1,582,930; May 4.
Gas engine of the turbine type. B. P. Joyce. 1,583,159; May 4.
Gas meter. H. F. Tolhurst. 1,583,203; May 4.
Gas meter, Dry. G. Wünsch. 1,583,040; May 4.
Gas-meter-protection means. D. N. Lambert. 1,583,694; May 4.
Gases, Apparatus for determining temperatures of furnace. F. D. Potter. 1,583,097; May 4.
Gases, Muffler for exhaust. J. B. Payne. 1,583,095; May 4.
Gasoline gauge. E. Bloom. 1,583,272; May 4.
Gasoline gauge. C. L. Rayfield. 1,583,178; May 4.
Gate: *See*—
Coal-chute gate.
Gauge: *See*—
Gasoline gauge. Pressure gauge.
Gauge. C. J. Coberly. 1,583,575; May 4.
Gauge and clamp, Hair-bobbing. I. H. Evans. 1,583,540; May 4.
Gear mechanism, Reverse-. E. W. Holstrom. 1,583,714; May 4.
Gearing. J. R. Johnson and A. M. Wasbauer. 1,583,047; May 4.
Glass and making the same, Art. W. Blenko. 1,583,441; May 4.
Glass, Apparatus for cutting sheet. E. T. Ferngren. 1,583,542; May 4.
Glass, Forming continuous sheet. E. T. Ferngren. 1,583,541; May 4.
Glass-forming machine. J. F. Rule. 1,583,424; May 4.
Glass louver, Pivotally-mounted. I. L. Lafferty. 1,583,597; May 4.
Glassware, Forming. W. G. Houskeeper. 1,583,464; May 4.
Glassware, Leer for annealing. H. W. Ingle. 1,583,046; May 4.
Glassware, Machine for cutting designs. H. G. Hill. 1,583,691; May 4.
Glove. O. W. Starks. 1,583,620; May 4.
Gloves, Waterproofing composition for. F. M. Reed and C. Paulsen. 1,583,493; May 4.
Golf ball. P. S. Kane. 1,583,721; May 4.
Golf-ball cleaner. W. G. Kapp. 1,583,470; May 4.
Golf holes, Flag post for. D. Kennedy. 1,582,931; May 4.
Governor. J. Zitzerman. 1,589,640; May 4.
Grading and packaging articles according to size, Device for. J. Thompson. 1,583,201; May 4.
Grain drill. W. L. Braley and H. N. Faas. 1,583,118; May 4.
Grain elevator. J. A. Stromquist. 1,583,624; May 4.
Grate, Chain. D. G. Melklereid. 1,583,085; May 4.
Grate, Furnace. W. H. Nield. 1,583,360; May 4.
Grinding machine. J. N. Heald and A. Turner. 1,583,351; May 4.
Grinding mill or triturator. P. Balletto. 1,583,644; May 4.
Grooving tool. A. Senecal and E. Girouard. 1,583,317; May 4.
Gunfire, Apparatus for the control of. A. Barr and W. Stroud. 1,583,439; May 4.
Gun, Grease. W. L. Deming. 1,583,533; May 4.

Gun loader, Grease-. W. H. Kimball. 1,583,723; May 4.
Gun, Mud. E. W. Duncan. 1,582,910; May 4.
Gun, Oil. C. S. Burton. 1,582,969; May 4.
Gun, Spray. S. F. Anderson. 1,583,220; May 4.
Gunstock fastening. L. P. Smith. 1,583,616; May 4.
Hair waver. L. Markle. 1,583,728; May 4.
Halftone plate. E. Bassist. 1,583,318; May 4.
Hammer, Electric. M. D. Dominguez. 1,583,582–3; May 4.
Handle: *See*—
Angle-cock handle. Sadiron handle.
Automobile door handle.
Handle or grip. F. E. Bessee. 1,583,270; May 4.
Hanger: *See*—
Film hanger.
Harvesters and the like, Topping device for cane. G. D. Luce. 1,583,478; May 4.
Harvesters, Topping device for sugar-cane. F. C. D Wilkes and F. K. Flynn. 1,583,510; May 4.
Harvesting machine. P. T. Woodland. 1,583,751; May 4.
Headlight, Automobile. J. H. Pike and C. J. Mullens. 1,583,366; May 4.
Headlight mechanism. J. S. Blankenship. 1,583,569; May 4.
Heat-regulating system. W. L. Shafer. 1,583,496; May 4.
Heater: *See*—
Tank heater. Water heater.
Tire heater.
Heating burner. H. J. Ostendorf. 1,583,362; May 4.
Heating device. J. L. Donat. 1,583,246; May 4.
Heating method and device. L. W. Scudder. 1,582,238; May 4.
Heels, Imparting a finish to shoe. C. D. Upton. 1,583,204; May 4.
Heels, Wedge for rubber. C. Y. Booth. 1,583,570; May 4.
Hides, Machine for dyeing. J. R. Martinet. 1,583,481; May 4.
Hides, skins, and leather, Machine for treating. A. H. Kehrhahn. 1,583,722; May 4.
Hinge construction. A. J. Malmberg. 1,583,084; May 4.
Hoist. J. Broadhead. 1,583,442; May 4.
Hoist, Skip. W. W. Sayers. 1,583,702; May 4.
Hoist, Skip. C. M. Young, jr. 1,583,711; May 4.
Hoisting apparatus, Toggle-. I. Hills. 1,583,042; May 4.
Hook: *See*—
Rib hook. Snap hook.
Horn, Sound-reproducing. S. D. Paddack. 1,583,418; May 4.
Hosiery drying and shaping form. L. Gray. 1,583,590; May 4.
Hot-water-circulating system. L. S. Diugosch. 1,583,342; May 4.
Hub, Detachable wheel. C. O. Howard. 1,583,043; May 4.
Hydrocarbons, Process and apparatus for vaporizing heavy. A. I. Kousnetzoff. 1,583,692; May 4.
Hydrogen from water gas, Producing. J. H. De Graer. 1,583,673; May 4.
Ice-cream-brick slicer and receptacle. J. D. Lowry. 1,583,725; May 4.
Ice-cream dipper mold. H. Landman. 1,583,072; May 4.
Ice-cream mold. F. W. Ball. 1,583,643; May 4.
Ice tongs. O. R. Melnholdt. 1,583,302; May 4.
Identification tag. H. J. Swarts. 1,583,626; May 4.
Identifying devices. G. C. Snyder. 1,583,502; May 4.
Index, Card. Z. Auerbach. 1,583,437; May 4.
India rubber, Production of patterned. H. Frood and W. R. Sydee. 1,583,545; May 4.
Indurated material and manufacturing the same. E. J. Guay. 1,583,592; May 4.
Injector. R. M. Ostermann. 1,583,090; May 4.
Injector. R. M. Ostermann. 1,583,363; May 4.
Inner tubes or the like, Method and apparatus for vulcanizing. J. C. Bolt. 1,583,520; May 4.
Insecticidal composition. H. Howard. 1,583,154; May 4.
Insecticide, sheep dip, and the like. P. J. Fryer. 1,583,681; May 4.
Inspection device. R. C. Famiglietti and J. A. Famiglietti. 1,583,285; May 4.
Insulator support. A. Albrecht. 1,583,515; May 4.
Insulators, Supporting pin for. L. E. Hendee. 1,583,462; May 4.
Internal-combustion engine. G. K. Davol. 1,583,669–71; May 4.
Internal-combustion engine, Rotary. J. K. Morris. 1,583,560; May 4.
Internal-combustion engine, Two-cycle. M. W. Davidson. 1,583,668; May 4.
Ironing board. F. E. Lane. 1,583,695; May 4.
Ironing shoe. C. E. Reddig. 1,583,369; May 4.
Irradiating chamber for therapeutical uses. H. Picard. 1,583,420; May 4.
Jack. N. W. Littlejohn. 1,583,476; May 4.
Jack. R. D. Scott. 1,583,189; May 4.
Joint: *See*—
Leakage-tight joint. Universal joint.
Rail joint.
Joining material. G. D. White. 1,582,954; May 4.
Key case. W. T. Weissbrod. 1,583,633; May 4.
Key-opening can. J. M. Young. 1,582,956; May 4.
Keyless lock. A. G. Hatch. 1,583,687–8; May 4.
Keyless lock. M. Wildrick. 1,583,635; May 4.
Keyless locks, Permutation wheel for. A. G. Hatch. 1,583,686; May 4.
Keys and the like, Machine for cutting. R. O. and P. F. Miller. 1,583,086; May 4.
Kiln for treating wood. J. W. Quisgaard. 1,583,176; May 4.
Kitchen utensils, Machine for cleansing. J. Nehl. 1,583,305; May 4.
Knife, Pile-wire. D. E. Lochman. 1,583,477; May 4.
Label-applying device. A. M. Price. 1,583,700; May 4.
Labeling machine. P. Meyer. 1,583,411; May 4.
Labels, Making metal. M. H. Stanley and R. H. Angell. 1,583,022; May 4.
Lace and making same, Machine-braided torchon. E. Bösebeck. 1,583,273; May 4.
Lace, Embroidered. E. A. D. Press. Des. 70,084; May 4.
Lamp. A. Munzer. 1,583,304; May 4.
Lamp-casing ring. L. Edelmann. 1,583,677; May 4.
Lamp, Door for a vehicle signal. P. A. Stover. Des. 70,087; May 4.
Lamp shade and making same. L. L. Berkowitz. 1,583,568; May 4.
Lamp shades or similar articles, Frame for. A. Schmitt. Des. 70,086; May 4.
Lamps, Kit for incandescent. W. A. McKay. 1,582,998; May 4.
Lapping tool. H. Richardson. 1,583,010; May 4.
Lapwelded pipe. F. L. Williams. 1,583,212; May 4.
Lasting machine. H. E. Ross. 1,583,012; May 4.
Latch. K. A. Bräuning and C. Ledin. 1,583,401; May 4.
Latch for removable panels. P. Jackson. 1,583,594; May 4.
Lathes and the like, Tool-setting gauge for. E. F. Heard and M. M. Fitzhugh. 1,583,292; May 4.
Laundry-tub cock. W. B. Dale. 1,583,128; May 4.
Lawn sprinkler. L. R. Nelson. 1,583,068; May 4.
Lead, Refining. H. M. Schleicher. 1,583,495; May 4.
Leakage-tight joint. N. Crane. 1,583,126; May 4.
Level, Spirit. A. L. Perrine. 1,583,489; May 4.
License holder and key case. B. W. Flanders. 1,583,225; May 4.
License-plate holder. E. E. Huddleston. 1,583,465; May 4.
Light units, Shade holder for. W. H. Jones. 1,583,595; May 4.
Lighting fixture. W. B. Goddard. Des. 70,072; May 4.
Lime and product derived therefrom, Treating. F. C. Mathers. 1,583,759; May 4.
Line-belt drive. F. E. Schler. 1,583,186; May 4.
Lining material on covers, Apparatus for spreading. C. Almy, jr. 1,582,886; May 4.
Linoleum or similar hard-surfaced covering. F. Cartwright. Des. 70,058–66; May 4.
Linoleum or similar hard-surfaced covering. F. Cartwright. Des. 70,069; May 4.
Liquid-flow-measuring device. C. W. Carter. 1,583,574; May 4.
Liquid-fuel atomizer. L. I. Aldrich. 1,583,564; May 4.
Liquid with gas, Apparatus for treating. W. E. Greenawalt. 1,583,141; May 4.
Liquid with gases, Apparatus for treating. W. E. Greenawalt. 1,583,591; May 4.
Loader. J. Chial. 1,583,336; May 4.
Lock: *See*—
Dial lock. Shingle lock.
Keyless lock.
Loom. J. Lucas. 1,582,994; May 4.
Loom, Circular. O. A. Frederickson. 1,583,543; May 4.
Loom shuttle-changing. E. H. Ryon. 1,583,182; May 4.
Loom, Weft-replenishing. E. A. Cunniff. 1,583,447; May 4.
Looms, Beater-arm mechanism for. J. Lucas. 1,582,995; May 4.
Looms, Thread-cutting temple for. N. W. Brannon. 1,583,752; May 4.
Loud speaker. C. W. Peterson. 1,583,400; May 4.
Lubricator: *See*—
Twister-ring lubricator.
Lumber under pressure, Holding drying. W. E. Bayles. 1,583,647; May 4.
Mail box. B. T. Pennig. 1,583,168; May 4.
Mail-handling means for apartment houses. O. L. Norrell. 1,583,734; May 4.
Mangle, Cold. S. Jankovitz. 1,583,466; May 4.
Map and making it. E. H. Corlett, M. W. Garnett, and H. I. Doremus. 1,583,125; May 4.
Marine structures, Preserving wooden. W. F. Clapp. 1,582,903; May 4.
Mat: *See*—
Table mat.
Match safe and cigarette lighter, Combination. H. Lähndorff. 1,583,356; May 4.
Mattress. J. F. Trask. 1,583,032; May 4.
Mattress ticking. R. Binkovitz. Des. 70,050–1; May 4.
Measuring and centering device. E. A. Emery. 1,583,585; May 4.
Ment-cutting machine. O. C. Schmidt. 1,583,755; May 4.
Medallion-etching process. M. C. Beebe. 1,583,519; May 4.
Metal and metal structures, Protecting. J. B. Strauss. 1,583,198; May 4.

Metals on wire and strip, Apparatus for the electrodeposition of. J. A. Parker. 1,583,741; May 4.
Meter: *See*—
Gas meter.
Milking apparatus. L. Dinesen. 1,583,580; May 4.
Mill: *See*—
Pulverizing mill.
Mining machine. I. Burton. 1,583,572; May 4.
Mining machine. C. E. Waxlom. 1,582,949; May 4.
Mitten, Fruit-picking. A. W. Herrick. 1,583,041; May 4.
Mixers, Hoist mechanism for power loaders for. S. Shafer, jr. 1,583,318; May 4.
Mixing machine. P. O. Diederichs. 1,583,129; May 4.
Mold: *See*—
Ice-cream mold. Ice-cream dipper mold.
Mold plate and replacer. W. H. McClelland. 1,583,406; May 4.
Mop and wringer, Combined. H. W. Lamb. 1,582,934; May 4.
Mop wringer. E. J. Hartman. 1,583,550; May 4.
Motion-transmitting apparatus. A. D. Whipple. 1,583,379; May 4.
Motor drive. C. P. Brockway. 1,583,275; May 4.
Motor starter, Spark-retarding. R. O. Simms and H. B. Mattox. 1,583,498; May 4.
Mower, Lawn. W. T. Cofland. 1,583,124; May 4.
Mower, Lawn. H. W. Wagner. 1,583,103; May 4.
Mowers, Antifriction clip for. A. D. Goodwin. 1,583,454; May 4.
Mowing machine. O. Pehrson. 1,583,167; May 4.
Multiple-plunger weft detector. J. E. Flanigan and F. E. Ashton. 1,583,135; May 4.
Musical instrument or similar article, Body for a fretted. R. J. Markham. Des. 70,079; May 4.
Musical instruments, Ligature for mouth-pieces of. H. M. Chiron. 1,583,337; May 4.
Nail, Furring. R. B. Frisbey. 1,583,544; May 4.
Nut and a blank therefor, Lock. I. C. Emery. 1,583,249; May 6.
Nut-warming device. W. F. Smith. 1,583,500; May 4.
Nuts, Washer for blocking. L. Seeger. 1,583,015; May 4.
Offsetting mechanism. W. C. Henderson. 1,583,690; May 4.
Oil burner. A. B. Clay, jr. 1,583,338; May 4.
Oil burner. R. F. Sturgis. 1,583,024–5; May 4.
Oil burners and the like, Safety valve for. L. G. Daniels. Re16,339; May 4.
Oil cup. F. Elden. 1,583,678; May 4.
Oil distributor. G. T. Rayfield. 1,583,099; May 4.
Oil reservoir, Auxiliary. E. W. Lane. 1,583,696; May 4.
Oil still, Pressure. R. E. Humphreys. 1,582,929; May 4.
Oil, Testing. J. W. McBurney. 1,583,600; May 4.
Oil wells, Device for plugging. R. O. Maynard. 1,583,730; May 4.
Oiler, Hand. F. L. Tice and C. Tice. 1,583,430; May 4.
Oils and like liquids, Fractionation of hydrocarbon. R. H. Crozier. 1,583,340; May 4.
Oils, Apparatus for refining. D. Pyzel. 1,583,746; May 4.
Oils, Apparatus for treating. P. Cassidy. 1,582,899; May 4.
Oils, Apparatus for treating hydrocarbon. O. Behimer. 1,582,893; May 4.
Orthodontic correcting appliances, Regulating device for. P. N. Williams. 1,583,213; May 4.
Orthopedic appliance. J. A. Rountree. 1,583,316. May 4.
Oven, Baker's. J. C. Maley and D. T. Carter. 1,583,537; May 4.
Oven for ceramic and chemical purposes, Channel. H. T. Padelt. 1,583,739; May 4.
Oven, Heating. D. F. Domizl. 1,583,397; May 4.
Oxygenous magnesium compound, and object comprising same, Producing an adherent coating of an. C. B. Backer. Re16,340; May 4.
Package-strapping bench. S. W. Treat and A. G. Rosnes. 1,583,053; May 4.
Packing apparatus. F. L. Bryant. 1,582,968; May 4.
Palm grip. W. H. Roussel. 1,583,606; May 4.
Pan: *See*—
Baking pan. Pie pan.
Panel condenser. A. A. Kent. 1,583,071; May 4.
Panel condenser. A. A. Kent. 1,583,471; May 4.
Panel, Cut-out. E. J. Lang. 1,583,057; May 4.
Paper, Apparatus for making stretchable. P. J. Christman, jr. 1,582,970; May 4.
Paper bag machine. A. C. Coty. 1,583,393; May 4.
Paper-bag machines, Tongue-cutting device for. A. C. Coty. 1,583,394; May 4.
Paper bags, Apparatus for making. A. C. Coty. 1,583,392; May 4.
Paper driers, Fan for. W. E. Beadle. 1,582,892; May 4.
Paper-making machine. W. H. Engel. 1,583,130; May 4.
Paper napkins and the like, Dispenser for. P. H. Horwitt. 1,583,293; May 4.
Pen and pencil box. W. J. Bargen and W. R. Brennan. 1,583,645; May 4.
Pen cap, Fountain-. W. P. DeWitt. 1,583,579; May 4.
Pencil, Propeller. G. R. Hudson. 1,583,718; May 4.
Pentaerythritol tetracetate, Preparing. H. T. Clarke. 1,583,658; May 4.
Percolator-top holder. A. B. Gardella. 1,583,137; May 4.
Perforator. Y. Okamoto. 1,583,070; May 4.
Phase-shifting apparatus, Automatic. C. P. Steinmetz. 1,583,622; May 4.
Phenolphthalein, Purification of. J. G. Schudel. 1,583,372; May 4.
Photographic enlarging easel. G. C. Cross. 1,583,446; May 4.
Pianos, Expression mechanism for player. C. F. Stoddard. 1,583,197; May 4.
Picture apparatus, Motion-. B. D. Chamberlin. 1,583,655; May 4.
Pictures, Apparatus for taking and projecting motion. J. G. Capstaff. 1,583,653; May 4.
Pie-making machine. W. A. Van Luven. 1,582,945; May 4.
Pie pan. F. S. Briscoe. 1,583,523; May 4.
Piezo-electric device and producing it. A. M. Nicolson. 1,583,417; May 4.
Pin-cam-adjusting mechanism. J. J. Halliwell. 1,583,456; May 4.
Pin form for crowns and the like. T. C. Hansen. 1,583,459; May 4.
Pinion. W. S. F. Brown and J. Maina. 1,583,276; May 4.
Pipe: *See*—
Lapwelded pipe. Smoking pipe.
Pipe-conveying mechanism. A. E. Paige. 1,583,486; May 4.
Pipes, Removal of water of condensation from steam. H. Srulowitz and L. Friedmann. 1,583,136; May 4.
Pistol, Flash. W. Vogel. 1,583,206; May 4.
Placard holder. E. J. Palmer. 1,583,740; May 4.
Plaster board, Machine for severing. J. Schumacher. 1,583,188; May 4.
Plaster board, Reenforced. J. Schmacher. 1,583,187; May 4.
Plastering machine. T. C. Dunlap. 1,583,283; May 4.
Plastics and gelatinous materials, Forming flakes of heated. H. J. Morrison, J. E. Egan, and S. M. Manley. 1,583,484; May 4.
Plate or similar article. H. J. Wain. Des. 70,089; May 4.
Plate-trimming mechanism. E. S. Bradford. 1,582,965; May 4.
Playing ball. M. C. Hamblet. 1,582,983; May 4.
Plow. O. A. K. Printz. 1,583,701; May 4.
Plug, Attachment. W. P. Robertson. 1,583,313; May 4.
Plug, Fuse. M. E. Winks. 1,583,266; May 4.
Pocket. A. Desilets. 1,583,674; May 4.
Poles, Device for use in setting. E. Marquart. 1,583,409; May 4.
Powder dispenser. R. W. Gerdel. 1,583,139; May 4.
Power actuator. C. S. Bragg and V. W. Kleisrath. 1,583,117; May 4.
Power press. W. R. Fox. 1,583,227; May 4.
Power system. C. T. Crocker, R. Stearns, and L. W. Webb. 1,583,578; May 4.
Power transmission. W. C. Pauling. 1,583,256; May 4.
Power transmission, Comotional. P. Ivanoff. 1,583,719; May 4.
Power-transmission mechanism. D. S. de Lavaud. 1,583,532; May 4.
Power-transmission mechanism, Hydraulic-. A. Nydqvist. 1,583,736; May 4.
Power transmission, Variable-speed. D. S. de Lavaud. 1,583,531; May 4.
Power-transmitting device. J. H. Macalpine. 1,583,407; May 4.
Precision adjustments, Device for making. E. K. Curtis. 1,583,281; May 4.
Press: *See*—
Power press.
Pressing machine, Garment-. F. E. Baker. 1,582,891; May 4.
Pressure gauge. T. H. Thomas. 1,582,942; May 4.
Pressure to the interior of a tube being shaped by the self-hooping process, Apparatus for the application of hydraulic. N. E. Methlin. 1,583,162; May 4.
Prime movers, Governing mechanism for. P. H. Scott. 1,583,610; May 4.
Printer. G. A. Mitchell. 1,583,482; May 4.
Printing and other work, Micrometer scale, operator's card, and layout sheet for. E. E. Kottenbach. 1,583,355; May 4.
Printing machines, Inking mechanism for. T. E. Phythian. 1,583,172; May 4.
Printing-press feed-control mechanism. J. R. Blaine. 1,582,897; May 4.
Printing sheets in preparation for application to a printing cylinder, Apparatus for forming. M. Owen. 1,583,091; May 4.
Propeller. A. Grilli. 1,582,978; May 4.
Propeller. J. J. Nicholson. 1,583,165; May 4.
Propeller or blower. C. Decrette. 1,583,341; May 4.
Propeller shaft. W. G. Hawley. 1,583,291; May 4.
Prune spreader. F. E. Howe. 1,583,716; May 4.
Pulverizing mill. C. B. Strachan. 1,583,324; May 4.
Pump control, Automatic. J. S. Denny. 1,583,282; May 4.
Pump for suction feed systems. L. H. Wheeler. 1,582,953; May 4.

Pump, High-vacua. R. Berrenberg. 1,582,960–1; May 4.
Pump, Rotary. J. Freud. 1,582,922; May 4.
Pump, Siphon. W. A. Pervier. 1,583,170; May 4.
Punch, Shank and bit. J. Ditson. Re16,346; May 4.
Rack: *See*—
  Display rack.
Racket frame and handle. W. F. Reach. 1,583,309; May 4.
Radiator cap. F. S. Holtz. 1,583,153; May 4.
Radiator, Humidifying. W. L. Moore. 1,583,255; May 4.
Radiator plug, Regulating. J. H. Keller. 1,583,050; May 4.
Radiator section. A. A. Landon. Des. 70,077–8; May 4.
Radiators, Cushion support for. E. R. Gurney. 1,583,548; May 4.
Radiocabinet. F. J. Reichmann. Des. 70,085; May 4.
Radiofrequency currents, System for generating. L. M. E. Clausing. 1,583,123; May 4.
Radio questioner amusement apparatus. A. A. and D. Silverman. 1,582,937; May 4.
Radio receiving-sending sets, Brake relay for. S. B. Garcellano. 1,582,975; May 4.
Rail joint. W. P. Singeltary. 1,583,426; May 4.
Railway-crossing guard. C. E. Shearon. 1,583,016; May 4.
Railway-traffic-controlling apparatus. R. A. McCann. 1,583,298; May 4.
Railway-traffic-controlling apparatus. R. A. McCann and F. H. Nicholson. 1,583,081–2; May 4.
Railway-traffic-controlling apparatus. F. H. Nicholson. 1,583,089; May 4.
Rake. C. S. Reamy. 1,583,492; May 4.
Razor blades, Device for stropping and honing. J. V. Houston. 1,583,715; May 4.
Razor blades, Holder for safety-. E. J. Sawtelle. 1,583,013; May 4.
Receptacle, Collapsible. J. Macaraig. 1,583,083; May 4.
Recorder. W. L. Egy and R. P. Dodds. 1,583,536; May 4.
Reel: *See*—
  Fishing reel.
Reflecting surfaces, Forming. B. Bart. 1,583,268; May 4.
Reflector, Light. J. J. Wompey. 1,583,216; May 4.
Reflectors, Glass protector for. B. Bart. 1,583,269; May 4.
Refrigerators, Draining apparatus for. E. Kennedy. 1,583,051; May 4.
Regulator: *See*—
  Automatic regulator. Furnace regulator.
Resinous bodies, Production of hard. E. Schaal. 1,583,014; May 4.
Rib hook. J. Andrews. 1,583,435; May 4.
Ribbon, Woven elastic. J. Heck. 1,583,551; May 4.
Ring: *See*—
  Lamp-casing ring.
Rinsing and drying machine. W. E. Pinckney. 1,583,367; May 4.
Roads and like surfaces, Making and repairing. J. Hines. 1,583,152; May 4.
Rod: *See*—
  Welding rod.
Rod packing, Metallic. J. Badeker. 1,583,107; May 4.
Roll-unwinding stand. M. J. Stack. 1,582,939; May 4.
Rolling mill and like coupling. J. P. Ashley and L. D. Whitehead. 1,582,890; May 4.
Roof covering. H. Abraham. 1,583,563; May 4.
Roofing unit, Nail-sealing. J. H. Munro. 1,583,163; May 4.
Rotary bin. J. Ma Riojas. 1,583,180; May 4.
Rotary cutter. R. R. Hind. 1,583,150; May 4.
Roundabout. J. A. Fisher. 1,583,287; May 4.
Rubber products, Closing openings in. R. S. Burdette. 1,583,571; May 4.
Rubber under gas-removing conditions, Electrodeposition of. S. E. Sheppard and L. W. Eberlin. 1,583,704; May 4.
Rug. F. Cartwright. Des. 70,053–7; May 4.
Rug or similar article. F. Cartwright. Des. 70,067–8; May 4.
Rule, Topographer's. F. M. Garnett. 1,583,138; May 4.
Sack, grip. F. J. Rogers. 153,754; May 4.
Sadiron handle. H. Bregman. 1,583,242; May 4.
Saliva-ejecting device. C. I. Stoloff. 1,583,023; May 4.
Salvage-loom retainer. C. Lavallee. 1,583,400; May 4.
Sash-regulating device, Chain and wheel for. G. A. Carlson. 1,583,221; May 4.
Saw wheel and demountable rim therefor, Band-. W. F. Pfau. 1,583,171; May 4.
Sawing machine, Log-. A. Drouet. 1,582,908; May 4.
Sawing machine, Wood-. D. W. Smith. 1,583,613; May 4.
Saw tooth and holder therefor, Insertable. A. M. Currier. 1,583,667; May 4.
Saws, False tooth for. W. E. Whitney. 1,583,765; May 4.
Scale base. H. O. Hem. 1,583,252; May 4.
Scales, Computing mechanism for weighing. O. Malcher. 1,582,999; May 4.
Scraper attachment. P. B. Hackley. 1,583,289; May 4.
Screen: *See*—
  Window screen.
Seal, Lead. E. D. L. H. Molina and L. B. Alcantarilla. 1,583,602; May 4.
Sealing machine, Box-. B. Rich. 1,583,371; May 4.
Seat-adjusting means. W. J. Bargen and W. R. Brennan. 1,583,646; May 4.
Seat: *See*—
  Adjustable seat. Window seat.
Seat cover. J. L. Thornbury. 1,583,202; May 4.
Sediment trap. S. V. Reeves. 1,583,310; May 4.
Semaphore signal. A. Duran. 1,583,344; May 4.
Separating device operating by centrifugal force. S. Karpinsky and J. S. Anderson. 1,583,048; May 4.
Septic tank. E. W. Farley. 1,582,914–5; May 4.
Sewing machine, Button-. R. L. Lyons. 1,583,062; May 4.
Sewing machines, Feeding mechanism for. H. F. Gruman. 1,582,926; May 4.
Sewing machines, Stitch-forming mechanism for. B. T. Leveque. 1,583,059; May 4.
Sewing machines, Thread-beating means for. P. W. Valentine. 1,583,757; May 4.
Shade holder. J. F. Ziska. 1,583,639; May 4.
Shearing machine, Fur-. M. Dickerson. 1,583,675; May 4.
Sheet-feeding mechanism. A. M. Price. 1,583,699; May 4.
Sheet material, Machine for making articles from. H. E. Ruckert, B. M. Fine, and E. K. Lund. 1,583,259; May 4.
Shells, machine for forming and trimming metal. J. A. Dodd. 1,582,973; May 4.
Shield, Repair. James H., and G. A. Burrow. Re16,341; May 4.
Shock absorber. G. H. Higgins. 1,583,253; May 4.
Shock absorber. R. M. Lovejoy. 1,583,404; May 4.
Shingle lock. F. E. Lietz. 1,583,254; May 4.
Shoe. J. H. Ballard. 1,582,958; May 4.
Shoe. G. L. Pierce and O. L. Hassel. 1,583,096; May 4.
Shoe for Lifts and the like. R. E. Jackman. 1,583,555; May 4.
Shoe-polishing apparatus. N. S. Miller. 1,583,065. May 4.
Shoe-shining stand. F. A. Lisi. 1,583,724; May 4.
Shoe upper and finishing the edges thereof. A. J. Thomas. 1,583,025; May 4.
Shoe upper with ornamental inlays. W. F. Bostock. 1,583,274; May 4.
Shoes, Machine for use in the manufacture of. C. H. Hoyt. 1,583,044; May 4.
Shoes or parts thereof, Apparatus for softening. F. Ricks. 1,583,101; May 4.
Shuttle, Automatically-threading. H. L. Bonney; 1,583,387; May 4.
Shuttles, Tension device for loom. J. Lucas. 1,582,996; May 4.
Sign. R. M. Barham. 1,583,438; May 4.
Sign, Adjustable. C. H. Jacobs. 1,583,720; May 4.
Sign plate and making the same. C. I. E. Maslin. 1,583,410; May 4.
Signal: *See*—
  Elevator signal. Semaphore signal.
Signal. W. S. Smith. 1,583,618; May 4.
Signal and motor-car control, Safety. H. T. Baugher and J. E. Milum. 1,583,110; May 4.
Signal-detecting system. H. S. Osborne. 1,583,004; May 4.
Silk and like materials from viscose solutions, Manufacture of artificial. W. P. Dreaper. 1,583,534; May 4.
Silk and of artificial threads or filaments, Manufacture of artificial. J. E. G. Lahousse. 1,583,475; May 4.
Silk, spinning of artificial. B. Loewe. 1,582,993; May 4.
Silver-protein preparation. L. Taub, H. Janssen, and G. Wesenberg. 1,582,940; May 4.
Skate. A. S. Bierly. 1,583,114; May 4.
Skate, Adjustable. J. Carlson. 1,583,277; May 4.
Skate, Roller. F. R. Shugart. 1,583,193; May 4.
Slab, Building. L. Baumgartl. 1,583,111; May 4.
Sled, Collapsible. E. Krafft. 1,583,693; May 4.
Sleeping-bag device. R. Perl. 1,583,419; May 4.
Slip construction. Y. O. Zadigian. 1,583,638; May 4.
Smoker's article. M. Oltra. 1,583,738; May 4.
Smoking pipe. G. W. Conley. 1,582,971; May 4.
Snap fasteners, Self-piercing stud and post for. G. A. King. 1,583,472; May 4.
Snap hook. J. A. Frischknecht. 1,583,347; May 4.
Snap hook. J. S. Waller. 1,583,326; May 4.
Sodium carbonate, Forming. C. Sundstrom and G. N. Terziev. 1,583,663; May 4.
Sodium compound and forming the same. H. E. Cocksedge. 1,583,660; May 4.
Sodium compounds, Forming. H. E. Cocksedge. 1,583,661; May 4.
Sodium compounds, Forming. C. Sundstrom and G. N. Terziev. 1,583,662; May 4.
Soles, Die for shoe. W. H. Taylor. 1,582,941; May 4.
Sound-wave-amplifying device. C. T. Asbury. 1,583,565; May 4.
Spectacles, Hinge and the hingedly connecting of temples to frames of. J. Bobrow. 1,582,898; May 4.
Speed-control device. G. W. Wildin and C. C. Farmer. 1,582,955; May 4.
Speed-control means, Variable-. J. Vigliano. 1,583,375; May 4.
Spike machine. L. J. Berkeley. 1,582,895; May 4.
Spindle bracket. F. W. West. 1,583,378; May 4.
Splicing tool. D. E. Coe. 1,583,444; May 4.
Spoon or similar article. G. N. Allen. Des. 70,046; May 4.

Spotlight. J. G. Martin. Des. 70,080; May 4.
Spotlight mounting. C. A. Michel. 1,583,412; May 4.
Sprayer. E. W. Splittstoser. 1,583,619; May 4.
Spring. C. Miller. 1,583,003; May 4.
Sprinkler: *See*—
  Lawn sprinkler. Water sprinkler.
Sprocket mounting, Adjustable. G. C. Jett. 1,583,157; May 4.
Stain remover. J. Josselson. 1,583,469; May 4.
Stamp, Addressing hand. P. O. Lien. 1,583,403; May 4.
Stand: *See*—
  Shoe-shining stand.
Stave jointer. W. S. Minor. 1,583,066; May 4.
Steam drier. M. Kaunitz and S. Lanzet. 1,583,354; May 4.
Steam generation in two stages. E. Josse. 1,583,557; May 4.
Steel form. A. P. Crary. 1,582,905; May 4.
Steel tests, Apparatus for breaking. A. C. Germain. 1,583,453; May 4.
Steering attachment. J. F. Wagner. 1,583,629; May 4.
Stenciling device, Show-card-. H. L. Fischer. 1,582,920; May 4.
Stenciling machine. J. E. Shaver, jr. 1,583,612; May 4.
Stereotype plates, Casting and finishing machine for curved. H. A. W. Wood. 1,583,215; May 4.
Stereotype-plate-casting mold, Curved-. H. A. W. Wood. 1,583,214; May 4.
Stocking form. H. F. Wanamaker, jr. and A. M. Gallagher. 1,583,631; May 4.
Stoker bar. G. H. Thacher, jr. 1,583,027; May 4.
Stoker, Underfeed. E. J. Hart. 1,583,144; May 4.
Stones, Dressing tool for abrading. H. C. Heon. 1,583,146; May 4.
Storage battery. R. C. Benner. 1,583,648; May 4.
Storage-battery box. L. A. Doughty. 1,583,247; May 4.
Storage cells, Active-material support for. R. C. Benner. 1,583,649; May 4.
Store counter. C. M. Dreher. 1,583,676; May 4.
Stove, Portable camp. H. W. Strong and C. E. Davidson. 1,583,373; May 4.
Strainer. E. Weleba. 1,583,377; May 4.
Stud setter. E. M. Hoover. 1,583,554; May 4.
Sucker-rod guide. W. C. Smith. 1,583,262; May 4.
Sugar manufacture. P. J. McGuire. 1,583,299; May 4.
Superphospates, Production of. B. G. Klugh. 1,583,054; May 4.
Surgical instrument. L. Biro. 1,583,271; May 4.
Switch: *See*—
  Break-web switch. Time-controlled automatic switch.
  Clock-controlled switch.
  Electric switch.
Switch-box support. E. H. Kruse. 1,583,474; May 4.
Switch-point protector. J. C. Patterson and J. H. Lynch, jr. 1,583,307; May 4.
Syringe, Vaginal. F. E. Parkler. 1,583,487; May 4.
Table: *See*—
  Chiropractor's table.
Table legs, Fastening means for. V. C. Luppert. 1,583,405; May 4.
Table mat. R. W. Greenberg. 1,583,547; May 4.
Tank: *See*—
  Septic tank. Vacuum tank.
  Transformer tank. Vacuum fuel-feed tank.
Tank heater. F. Rudow. 1,583,423; May 4.
Tea wagon and dishwashing machine, Combination. C. F. Chapman. 1,583,657; May 4.
Telegraphy, Printing. H. Pfannenstiehl. 1,583,365; May 4.
Telephone diaphragm. M. D. Dominguez. 1,583,581; May 4.
Telephone head set. W. J. Murdock. 1,583,088; May 4.
Telephone muffler. H. A. Silverman. 1,583,497; May 4.
Telephone-receiver apparatus. J. Fleischman. 1,583,449; May 4.
Telephone system. J. Wicks. 1,583,240; May 4.
Telephone system, Automatic. T. G. Martin. 1,583,480; May 4.
Telescopes and like instruments, Coin-actuated time-controlled mechanism for controlling the use of. S. A. Hansen. 1,583,143; May 4.
Tent. C. M. Wickstrum. 1,583,039; May 4.
Testing system. J. N. Walters and C. Ewing. 1,582,948; May 4.
Textile fabric. N. M. Baragwanath. Des. 70,048; May 4.
Textile fabric. F. H. Pillsbury. Des. 70,083; May 4.
Therapeutic apparatus, Surface electrode for electrical. F. H. Morse. 1,583,087; May 4.
Thread, cord, and the like, and to elastic web made therefrom, Elastic. C. Clutsom. 1,583,278; May 4.
Threads from cellulose acetate, Preparation of. E. Hubert, O. Leuchs, and L. Lock. 1,583,717; May 4.
Tie-loading device. G. B. Shipley. 1,583,018; May 4.
Tile machine. D. McIntyre. 1,583,698; May 4.
Tile or brick effect, Producing an imitation. P. Reuter-Lorenzen. 1,583,748; May 4.
Time-controlled automatic switch. R. D. Shafer. 1,583,190; May 4.
Tire heater. J. R. Robertson. 1,583,749; May 4.
Tire, Pneumatic. J. T. Clark. 1,583,388; May 4.
Tire rim, Collapsible. A. Prince. 1,583,174; May 4.
Tire safety guard, Spare-. J. P. Clarke. 1,583,659; May 4.
Tires, Air tube for. J. E. Courtney. 1,582,972; May 4.
Tires, Valve cap for pneumatic. E. S. Ensign. 1,583,538; May 4.
Toy, Conveyer. C. Guischard. 1,583,350; May 4.
Toy, Detonating. M. M. Adler. 1,583,513; May 4.
Toy, Mechanical. J. J. Becker. 1,583,567; May 4.
Toy or model locomotive. P. H. Egolf. 1,583,345; May 4.
Toy vehicle. C. C. Blackmore. 1,583,115; May 4.
Traction device. W. B. Wallace. 1,583,209; May 4.
Tractor and movement control therefor. A. O. Higinbotham. 1,583,148; May 4.
Tractors, Demountable grouter attachment for. J. M Conley. 1,583,390; May 4.
Transformer, Oil-cooled. R. V. Bingay. 1,583,383; May 4.
Transformer tank. R. V. Bingay. 1,583,384; May 4.
Transformer, turbine, or the like, Hydraulic. A. Nydqvist. 1,583,735; May 4.
Trap: *See*—
  Sediment trap.
Trap. C. I. Elkins. 1,583,679; May 4.
Traveling bodies, Automatic direction of. R. E. S. Venables. 1,583,750; May 4.
Tray and checkerboard, Combined. M. Himmelfarb. Des. 70,074; May 4.
Tree-repairing device. F. J. Stubing, sr. 1,583,625; May 4.
Trestle, Folding. F. Brooks. 1,583,652; May 4.
Trial frame. C. Sheard. Re16,345.
Triphenylmethane dye. W. Duisberg, W. Hentrich, and W. Schepss. 1,582,909; May 4.
Trolley carriage. O. B. Bjorge. 1,582,962; May 4.
Trolley shoe. R. J. Lyle. 1,583,160; May 4.
Truck brake. W. K. Miller and A. N. Steinborg. 1,583,413; May 4.
Truck construction. H. C. Dreibuss. 1,582,907; May 4.
Truck, Railway. G. S. Chiles. 1,582,901; May 4.
Truck, Railway-car. G. S. Chiles. 1,582,902; May 4.
Truck, Vehicle. A. W. Arnold. 1,583,241; May 4.
Trucks, Wheel for industrial. J. W. Coates. 1,583,222; May 4.
Tube: *See*—
  Carburetor tube.
Tube-frame support. E. H. Ryon. 1,583,183; May 4.
Tubes, Apparatus for draining sound. L. B. Slichter. 1,583,020; May 4.
Tubes, Holder for collapsible dispensing. H. J. Hammerly. 1,583,457; May 4.
Tubing to a support, Securing. H. E. Maynard. 1,583,000; May 4.
Tunnels, Method and apparatus for supporting timbering in. G. Lewis. 1,583,075; May 4.
Turbine, Hydraulic. L. F. Moody. 1,583,415; May 4.
Turbopulverizer, Single working chamber. C. M. Stein. 1,583,429; May 4.
Twister-ring lubricator. D. D. Towers. 1,583,431; May 4.
Typewriting machine. G. Aichele. 1,583,514; May 4.
Typewriting machine. C. M. Crews. 1,583,279; May 4.
Typewriting machine. W. A. Dobson. 1,582,906; May 4.
Typewriting machine. J. B. Holden. 1,583,553; May 4.
Typewriting machine. B. C. Stickney. 1,583,263; May 4.
Typewriting machine. J. Waldheim. 1,583,630; May 4.
Underreamer. C. E. Lawson. 1,583,073; May 4.
Universal joint. S. A. Sandberg. 1,583,184; May 4.
Utensil, Creamery. C. A. Nobis. 1,583,069; May 4.
Vacua, Apparatus for obtaining high. P. E. Klopsteg and L. B. Mann. 1,583,473; May 4.
Vacuum-fuel-feed tank. W. E. Hart. 1,582,988; May 4.
Vacuum tank. A. P. Sacco. 1,583,494; May 4.
Vacuum tank and liquid meter, Combined. L. B. Harvey. 1,583,461; May 4.
Vacuum-tube shield. E. W. B. Gill and E. Green. 1,583,414; May 4.
Valve. J. C. Goosmann. 1,583,140; May 4.
Valve. H. M. Smith. 1,582,938; May 4.
Valve, Combination. E. Price and W. A. Pfister. 1,583,173; May 4.
Valve control for multiple-power tools. H. P. L. Lausucq. 1,583,296; May 4.
Valve-control mechanism. C. L. Bryant. 1,583,122; May 4.
Valve mechanism. J. W. Gardner. 1,582,976; May 4.
Valve mechanism. B. S. Snow. 1,583,427; May 4.
Valve, Poppet. M. M. Wilcox. 1,583,432; May 4.
Valve silencer. A. F. Borschel. 1,583,335; May 4.
Valve tool. J. W. Kroening. 1,583,390; May 4.
Vanadium compounds from iron ores containing vanadium and titanium, Recovering. B. P. F. Kjellberg. 1,583,053; May 4.
Vanity case. B. Brenner. 1,583,120; May 4.
Vaporizing blue-flame burner. C. A. French. 1,582,921; May 2.
Variable resistance. T. Appleby. 1,583,105; May 4.
Vehicle, Automotive. R. W. Bailey. 1,583,642; May 4.
Vehicle body, Closed road motor-. C. T. Weymann. 1,583,239; May 4.
Vehicle cleaner. J. Brandstetter. 1,583,522; May 4.
Vehicle construction. Cushion connection for. A. F. Masury and A. H. Leipert. 1,583,301; May 4.
Vehicle direction and stop signaling means. J. W. Brenkert. 1,583,119; May 4.

Vehicle mounting. G. K. Atkinson. 1,583,106; May 4.
Vehicle seats, Back rest for. J. A. Griffin. 1,583,455; May 4.
Vehicle spring cover and assembling the same. A. R. Goldrick. 1,583,546; May 4.
Vehicle, Tank. J. A. Jensen. 1,583,556; May 4.
Vehicles, Brake-operating attachment for motor. F. C. Franzen. 1,583,228; May 4.
Vehicles, Emergency brake for. H. P. C. Gerstel. 1,583,[illegible]8; May 4.
Vehicles, Safety device for. J. Nagy. 1,583,732; May 4.
Vehicles, Stabilizer for. S. W. Nelson. 1,583,164; May 4.
Vehicles, Storage-battery system for. D. J. Gore. 1,582,924; May 4.
Vending machine. G. E. Pease and F. H. Pease. 1,583,743; May 4.
Ventilator. G. W. Bender. 1,582,894; May 4.
Vesicular products, Making. C. W. Boynton. 1,583,521; May 4.
Vibration-responsive apparatus. C. R. Moore. 1,583,416; May 4.
Vibration-responsive device. C. R. Moore. 1,583,067; May 4.
Voltage-regulating system. W. Weiler. 1,583,632; May 4.
Vulcanizer. L. S. Castonguay. 1,582,900; May 4.
Vulcanizer. J. Flynn. 1,583,226; May 4.
Wagon loader. W. H. Bosworth. 1,582,964; May 4.
Wall bracket. L. J. Leon. 1,583,233; May 4.
Wall fixture, Folding. E. W. Cummings. 1,583,280; May 4.
Ware from leers, Mechanism for transferring. L. D. Soubier. 1,583,428; May 4.
Washer: *See*—
  Bottle washer.
  Bucket washer.
  Can washer.
  Dishwasher.
Water heater, Automatic. A. T. Fowles. 1,583,680; May 4.
Water sprinkler. W. C. Todd and J. W. Pomeroy. 1,582,943; May 4.
Waterproofing compound and manufacturing the same. C. D. Shaffer. 1,583,191; May 4.
Wax from oil, Removing. H. F. Glair and O. E. Bransky. 1,582,923; May 4.
Weed cutter. C. J. Mankel. 1,583,063; May 4.
Welding rod, Coated. H. R. Pennington. 1,583,169; May 4.
Well apparatus, Oil-. J. L. Shea. 1,583,756; May 4.
Well-drilling apparatus. I. H. Reavis. 1,583,747; May 4.
Wheel: *See*—
  Disk wheel.
  Free-wheel-coupling mechanism.
Winding machine. C. A. Brink. 1,583,243; May 4.
Winding machines, Overrunning preventer for. H. E. Bryant. 1,583,524–6; May 4.
Window attachment. A. M. Lane. 1,583,055; May 4.
Window channel. E. M. Guillaume. 1,583,230; May 4.
Window-cleaning device. R. Felgner. 1,583,346; May 4.
Window screen. H. Fierman. 1,583,133; May 4.
Window sent. E. Nastri. 1,583,733; May 4.
Windshield tubing. R. J. Purdy. 1,583,175; May 4.
Wire and crosstie link assembling machine. G. B. Smith. 1,583,320; May 4.
Wire-drawing drum. W. K. Williams. 1,583,380; May 4.
Wire fastener. G. F. Voight. 1,583,205; May 4.
Wood aggregates and structures, Mixing composition for use with. J. R. Garrow. 1,583,713; May 4.
Wood, Finishing. T. W. Anderson. 1,582,887; May 4.
Wood-finishing material. T. W. Anderson. 1,582,888; May 4.
Wood treatment. W. M. Webster. 1,583,037; May 4.
Workbox suitable as a darning last or the like. D. W. Causey. 1,583,245; May 4.
Wrapping machine. T. Davidson and E. W. Davis. 1,583,395; May 4.
Wrench. V. H. Aley and A. E. McFarland. 1,583,331; May 4.
Wrench. J. R. Long. 1,583,078; May 4.
Wringer: *See*—
  Mop wringer.
Yarn and thread manufacture. A. N. Sheldon. 1,583,425; May 4.

CLASSIFICATION OF PATENTS

ISSUED MAY 4, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

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62: 1,583,366
128: 1,583,595
1,583,639
241— 1: 1,583,552
6: 1,582,930
242— 78: 1,583,380
84.4: 1,583,764
85: 1,582,989
244— 1: 1,583,237
12: 1,583,155
14: 1,583,147
21: 1,583,745
29: 1,583,359
246— 34: 1,583,081
37: 1,583,082
1,583,089
63: 1,583,298
64: 1,583,110
271: 1,583,016
441: 1,583,307
247— 22: 1,583,474
37: 1,583,243
248— 20: 1,583,457
24: 1,583,233
30: 1,583,055
250— 13: 1,582,975
17: 1,583,123
27: 1,583,414
1,583,463
41: 1,583,071
1,583,306
1,583,471
1,583,499
1,583,503
1,583,634
251— 3: 1,582,938
27: 1,583,323
155: 1,583,050

251— 165: 1,583,142
253— 96: 1,583,736
154: 1,583,415
254— 81: 1,583,042
95: 1,583,476
142: 1,583,442
255— 1: 1,583,747
47: 1,582,990
72: 1,582,904
1,582,936
75: 1,583,073
257— 96: 1,583,333
125: 1,583,548
132: 1,583,094
138: 1,583,255
165: 1,583,246
189: 1,583,195
259— 75: 1,582,968
125: 1,583,129
260— 2: 1,583,014
57: 1,583,297
61: 1,583,258
65: 1,582,909
1,583,372
106: 1,583,658
125: 1,583,002
156: 1,583,328
261— 53: 1,583,303
87: 1,583,591
118: 1,583,448
124: 1,583,141
262— 30: 1,582,949
264— 14: 1,583,610
18: 1,583,640
265— 13: 1,583,109
71: 1,583,252
266— 42: 1,582,910
267— 8: 1,583,404
10: 1,583,253
19: 1,583,049
30: 1,583,301
37: 1,583,546
45: 1,583,003
52: 1,583,104
66: 1,583,629
268— 9: 1,582,989
270— 76: 1,583,456
271— 2.4: 1,583,339
41: 1,583,699
62: 1,582,807
272— 44: 1,583,287
273— 1: 1,583,011
56: 1,583,244
1,583,250
58: 1,582,983
62: 1,583,721
73: 1,583,309
95: 1,582,977
134: 1,583,488
161: 1,582,937
274— 25: 1,583,067
277— 18: 1,583,173

277— 152: 1,583,223
280— 5: 1,583,556
20: 1,583,698
33.44: 1,582,947
47: 1,583,115
104: 1,583,106
1,583,164
106.5: 1,583,731
283— 1: 1,583,527
285— 52: 1,583,000
145: 1,583,126
286— 23: 1,583,107
292— 44: 1,583,130
169: 1,583,401
173: 1,583,385
194: 1,583,594
308: 1,583,602
338: 1,583,650
293— 15: 1,583,732
55: 1,582,979
1,582,980
1,582,981
1,583,064
1,583,504
1,583,636
294— 25: 1,583,606
1,583,754
118: 1,583,302
296— 26: 1,583,623
28: 1,583,239
44.5: 1,583,230
93: 1,583,175
139: 1,583,235
145: 1,583,234
298— 38: 1,583,744
299— 19: 1,583,068
42: 1,583,619
63: 1,582,992
70: 1,582,943
301— 9: 1,583,043
31: 1,583,174
40: 1,583,390
50: 1,583,209
63: 1,583,218
1,583,222
303— 6: 1,583,642
15: 1,582,917
21: 1,582,955
82: 1,582,916
90: 1,582,918
304— 6: 1,583,652
24: 1,583,733
308— 4: 1,583,262
12: 1,583,157
179: 1,582,935
189: 1,583,562
208: 1,583,276

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. B. C. Stores, Incorporated, The, Houston, Galveston, and Beaumont, Tex. Eggs and coffee. 212,798; May 11; Serial No. 206,774; published Mar. 2, 1926.

Allen and Courtney Oil Tool Company, Compton, Calif. Core drills, disk-bit shanks, casing heads, etc. 212,667; May 11; Serial No. 218,589; published Mar. 2, 1926.

Allen, T. D., doing business as Microzone Chemical Co., Fresno, Calif. Disinfectants. 212,688; May 11; Serial No. 223,071; published Feb. 23, 1926.

American Bosch Magneto Corporation, Springfield, Mass. Radio apparatus. 212,851; May 11.

American Grinder Mfg. Co., Milwaukee, Wis. Wrenches, power grinders, and sickle attachments. 212,682; May 11; Serial No. 197,181; published Oct. 7, 1924.

American Humus Company, The, Cleveland, Ohio. Humus or decayed vegetable matter. 212,591; May 11; Serial No. 224,270; published Feb. 23, 1926.

American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Lead, solder, and babbitt, and metals and metal alloys. 212,575; May 11; Serial No. 224,739; published Feb. 23, 1926.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Metal fence posts. 212,800; May 11; Serial No. 213,352; published Mar. 2, 1926.

Amstutz, Menno, doing business as The Dox Manufacturing Company, Not Inc., Pandora, Ohio. Cough remedies. 212,749; May 11; Serial No. 219,160; published Feb. 23, 1926.

Angivox Radio Corporation. (See Beardsley, Charles S.)

Arcles Contact Company, Chicago, Ill. Mercury switches. 212,849; May 11.

Arctic Chemical Co., The, Canton, Ohio. Nonfreezing mixture to be used in the radiators of automobiles. 212,634; May 11; Serial No. 224,129; published Feb. 23, 1926.

Ard, Allen B., Iron City, Ga. Insecticide. 212,726; May 11; Serial No. 225,907; published Feb. 23, 1926.

Aseha, Geneva, Switzerland. Watches, watch movements, clocks. 212,710; May 11; Serial No. 223,987; published Feb. 23, 1926.

Associated Physicians Laboratories, San Francisco, Calif. Atropine sulphate, iron and ammonium citrate, iron cacodylate, etc. 212,598; May 11; Serial No. 223,881; published Mar. 2, 1926.

Atlantic Mills, The, Olneyville, R. I. All-worsted dress fabrics. 212,819; May 11.

Atlantic Refining Company, Franklin and Philadelphia, to The Atlantic Refining Company, Philadelphia, Pa. Lubricating oils. 53,715; renewed June 12, 1926.

Atlas Brush Corporation, Brooklyn, N. Y. Painters' brushes. 212,706; May 11; Serial No. 210,877; published Nov. 3, 1925.

Bachrach, Incorporated, Newton and Boston, Mass.; Providence, R. I.; Hartford, Conn., etc. Photographs. 212,832; May 11.

Baer, Clyde K., doing business as Baer's Pharmacy, Philadelphia, Pa. Laxative pills, arsenated-iron tablets, indigestion treatment, etc. 212,757; May 11; Serial No. 223,888; published Mar. 2, 1926.

Bailey, William A., Portland, Oreg. Medicinal oil. 212,785; May 11; Serial No. 224,493; published Mar. 2, 1926.

Bakelite Corporation, New York, N. Y. Attachment plugs, brush-holder insulation, cable terminals, etc. 212,674; May 11; Serial No. 212,529; published Feb. 23, 1926.

Baker, A. T., & Co. Inc., Manayunk, Philadelphia, Pa. Pile fabrics in the piece. 212,580–1; May 11; Serial Nos. 226,221–2; published Mar. 2, 1926.

Baker Drug Company, Portland, Oreg. Lung, throat, and bronchial medicine. 212,728; May 11; Serial No. 225,859; published Feb. 23, 1926.

Balfour, Arthur, & Co. Limited. (See Seebohm & Dieckstahl Ld., assignor.)

Bastian-Blessing Company, The, Chicago, Ill. Equipment for welding, cutting, brazing, etc. 212,613; May 11; Serial No. 217,853; published Mar. 2, 1926.

Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 212,608; May 11; Serial No. 207,609; published Mar. 2, 1926.

Bead Chain Manufacturing Company, The, Bridgeport, Conn. Electric socket pulls. 212,841; May 11.

Beardsley, Charles S., doing business as Angivox Radio Corporation, East Cleveland, Ohio. Radio cabinets, castings, containers, etc. 212,799; May 11; Serial No. 219,368; published Mar. 2, 1926.

Becker, Louis, doing business as Becker Fils, Paris, France. Perfumes, rouge, face powder, face cream, and talcum powder. 212,736; May 11; Serial No. 225,501; published Feb. 23, 1926.

Beesley, W. T., & Co. Limited, Sheffield, England. Cast steel, except steel balls. 55,106; renewed Aug. 7, 1926.

Benedict, Andy, & Sons, Struthers, Ohio. Medicine for rheumatism, toothache, headache, lumbago, etc. 212,633; May 11; Serial No. 224,228; published Feb. 23, 1926.

Berman, Samuel H., doing business as Tip-Top Overall Company, Cincinnati, Ohio. Overalls. 212,653; May 11; Serial No. 224,944; published Mar. 2, 1926.

Best & Co., Inc., New York, N. Y. Jewelry, not including watches; silver server sets, and silver tableware. 212,762; May 11; Serial No. 223,277; published Feb. 23, 1926.

Best & Co., Inc., New York, N. Y. Nursery furniture. 212,790; May 11; Serial No. 223,278; published Mar. 2, 1926.

Best & Co., Inc., New York, N. Y. Men's, women's, and children's clothing. 212,791; May 11; Serial No. 223,279; published Mar. 2, 1926.

Best, Grant, Detroit, Mich. Laxative chewing gum. 212,597; May 11; Serial No. 223,995; published Jan. 26, 1926.

Bizzoni, Humbert, Long Island City, N. Y. Depilatory. 221,647; May 11; Serial No. 225,547; published Feb. 23, 1926.

Black & White Milling Company, East St. Louis, Ill. Poultry feed. 212,649; May 11; Serial No. 225,167; published Feb. 23, 1926.

Black & White Milling Company, East St. Louis, Ill. Dairy feed. 212,700; May 11; Serial No. 225,168; published Feb. 23, 1926.

Bommarito, Dr. Paul, Detroit, Mich. Composition for the treatment of goiter. 212,727; May 11; Serial No. 225,866; published Feb. 23, 1926.

Boulton, Frederick W. (See Cephalgine Company, assignor.)

Boyle, Isabella E., Omaha, Nebr. Face creams, face powders, bath powders, and oil astringents. 212,629; May 11; Serial No. 225,072; published Feb. 23, 1926.

Branch, R. E., & Co. (See Oberndorfer Company, The.)

Brandwein, A., & Co., Chicago, Ill. Mattresses. 212,747; May 11; Serial No. 224,651; published Feb. 9, 1926.

Bristol Seamless Ring Company, New York, N. Y. Finger rings. 212,843; May 11.

Brooks, Estle H., Evergreen, Ala. Cake slicer. 212,693; May 11; Serial No. 223,572; published Mar. 2, 1926.

Brown Company, Portland, Me., and Berlin, N. H. Liquid chlorine, chloroform, calcium arsenate, etc. 212,640; May 11; Serial No. 221,348; published Feb. 23, 1926.

Bucklen, Herbert E., Corporation, Elkhart, Ind. Wind turbines. 212,668; May 11; Serial No. 218,731; published Mar. 2, 1926.

Burrell-Dugger Company, Indianapolis, Ind. Pharmaceutical preparation for the eradication of intestinal worms in poultry. 212,741; May 11; Serial No. 224,952; published Feb. 23, 1926.

Burrus Mill and Elevator Co., The, Fort Worth, Tex. Wheat flour. 55,938; renewed Aug. 21, 1926.

Cadman, Thos. R., & Sons, to Thos. R. Cadman & Sons, Limited, Sheffield, England, successor. Razors, knives, and forks. 55,078; renewed Aug. 7, 1926.

California Rex Spray Co., Sacramento and Benicia, Calif. Insecticide. 212,637; May 11; Serial No. 222,368; published Feb. 23, 1926.

California Rex Spray Co., Sacramento and Benicia, Calif. Fungicide. 212,670; May 11; Serial No. 222,369; published Feb. 23, 1926.

Central Electric Company, Chicago, Ill. Portable electric cords and cables. 212,717; May 11; Serial No. 224,549; published Feb. 23, 1926.

Cephalgine Company, assignor to F. W. Boulton, Spencer, Mass. Medicine for certain named diseases. 53,242; renewed May 29, 1926.

Charles & Co., assignor to Charles & Co., New York, N. Y. Fresh fruits and vegetables. 54,933; renewed Aug. 7, 1926.

Charleston Milling & Produce Company, Charleston-Kanawha, W. Va. Feed for livestock. 212,708; May 11; Serial No. 223,163; published Feb. 23, 1926.

Cheek-Neal Coffee Co., Nashville, Tenn. Tea and coffee. 212,831; May 11.

Chemical Foundation, Incorporated, The. (See Chemische Fabrik Helfenberg, A. G. vorm. Dieterich, assignor.)

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignor.)

Chemical Foundation, Incorporated, The. (See Hartmann & Hauers, assignor.)

Chemical Foundation, Incorporated, The. (See Knoll & Co., assignor.)
Chemical Foundation, Incorporated, The. (See Merck, E., assignor.)
Chemical Foundation, Incorporated, The. (See Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung, assignor.)
Chemische Fabrik Helfenberg, A. G. vorm. Dieterich, Helfenberg, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Nonalcoholic solutions of iron manganese peptone. 54,266; renewed June 26, 1926.
Clay-Adams Company, Inc., New York, N. Y. Wound clips. 212,589; May 11; Serial No. 225,532; published Feb. 23, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts. 212,666; May 11; Serial No. 225,591; published Mar. 2, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts. 212,664–5; May 11; Serial Nos. 225,594–5; published Mar. 2, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts. 212,666; May 11; Serial No. 225,591; published Mar. 2, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 212,779; May 11; Serial No. 225,593; published Mar. 2, 1926.
Columbus Iron Works Co., doing business as Southern Plow Co. Dept., Columbus, Ga. Heel sweeps for cultivators. 212,735; May 11; Serial No. 225,648; published Feb. 23, 1926.
Comfy Manufacturing Company. (See Katzner, Louis I.)
Conner & Walters Company, Inc., Charlotte, N C. Hairdressing and medicine for treating disease of the scalp. 212,690; May 11; Serial No. 222,011; published Feb. 23, 1926.
Conrad Allen Radio Company, Garden City, Kans. Radio receiving sets. 212,760; May 11; Serial No. 223,503; published Feb. 23, 1926.
Corno Mills Company, The, St. Louis, Mo. Stock and poultry feed. 212,771; May 11; Serial No. 184,895; published Feb. 23, 1926.
Crates & Bowen, to The Old Settler Company, Findlay, Ohio, successor. Chemical preparation to clear rain water. 55,811; renewed Aug. 21, 1926.
Crosby, L. J., Orient, S. Dak. Foot powder. 212,615; May 11; Serial No. 218,473; published Dec. 29, 1925.
Cyclone Fence Company, Waukegan, Ill. Woven-wire fencing, spiral wire pickets, crimped pickets, gates, etc. 212,792; May 11; Serial No. 223,117; published Mar. 2, 1926.
Dan-Say Baking Co. Inc., Brooklyn, N. Y. Italian bread sticks and bread. 212,746; May 11; Serial No. 224,599; published Feb. 16, 1926.
Darling Products, Inc., Troy, N. Y. Bath salts. 212,811; May 11; Serial No. 226,048; published Mar. 2, 1926.
Delbon, Frank G., Brooklyn, N. Y. Metal shank stiffeners for leather shoes. 212,625; May 11; Serial No. 192,173; published Dec. 2, 1924.
Del Prete, Giovanni, Brooklyn, N. Y. Olive oil. 212,761; May 11; Serial No. 223,374; published Feb. 23, 1926.
De Luxe Lamp Mfg. Co. (See Rekar, Jay J., assignor.)
De Morales, Fidelia M., San Francisco, Calif. Medical preparation for the treatment of skin diseases. 212,755; May 11; Serial No. 224,181; published Mar. 2, 1926.
Denzer & Nathan, Inc., New York, N. Y. Cotton piece goods. 212,695; May 11; Serial No. 205,995; published Mar. 2, 1926.
Diener, Nelson G., Baltimore, Md. Preparations for coughs, colds, bronchitis, etc. 212,809; May 11; Serial No. 225,255; published Mar. 2, 1926.
Douglas Manufacturing Company, Crete, Nebr. Folding camp furniture. 212,695; May 11; Serial No. 224,082; published Feb. 9, 1926.
Dox Manufacturing Company, The. (See Amstutz, Menno.)
Dubilier Condenser & Radio Corporation, New York, N. Y. Variable electrical condensers, radiofrequency transformers, etc. 212,856; May 11.
Durand-McNeil-Horner Co., Chicago, Ill. Canned fruits, canned vegetables, bottled onions, etc. 212,704; May 11; Serial No. 191,816; published Feb. 23, 1926.
Durkee, Thomas, Products Co., San Francisco, Calif. Storage batteries. 212,838; May 11.
Duro Pump and Manufacturing Company, The, Dayton, Ohio. Hydrostatic, float, needle, and cam valves. 212,618; May 11; Serial No. 220,510; published Mar. 2, 1926.
Einstein, J., Inc., New York, N. Y. Cotton, silk, satin and velvet piece goods. 212,620; May 11; Serial No. 225,999; published Mar. 2, 1926.
Eisenmann Magneto Corporation, New York, N. Y. Magnetos, coils, combination magneto and generator, etc. 212,847; May 11.
Elder Manufacturing Company, St. Louis, Mo. Flannel, wool, work, and dress shirts. 212,773; May 11; Serial No. 192,212; published Mar. 2, 1926.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers, etc. 212,709; May 11; Serial No. 223,376; published Feb. 23, 1926.
Elliot, Greene & Co., Inc., New York, N. Y. Precious stones, necklaces, pearls, etc. 212,716; May 11; Serial No. 224,505; published Feb. 23, 1926.
Engineering Products Corporation, Inc., The, New York, N. Y. Joint-filling nipples for sleeves of electric-cable joints. 212,789; May 11; Serial No. 223,289; published Mar. 2, 1926.
Ernst, George, doing business as Ernst & Co., Newark, N. J. Gauges for steam boilers, tanks, reservoirs, and other liquid containers. 212,788; May 11; Serial No. 223,777; published Mar. 2, 1926.
Eshborn, Samuel, New York, N. Y. Sound boxes for phonographs. 212,683; May 11; Serial No. 198,629; published Dec. 23, 1924.
Eureka Fire Hose Co., Jersey City, assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y. Cotton rubber-lined hose. 51,708; renewed Apr. 24, 1926.
Eureka Fire Hose Co., Jersey City, assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y. Cotton rubber-lined hose. 51,886; renewed Apr. 24, 1926.
Eureka Fire Hose Company, Jersey City, assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y. Fabric hose. 53,167–8; renewed May 29, 1926.
Eureka Fire Hose Manufacturing Company. (See Stowe, Benjamin L., assignor.)
Evans Shoe Co., The, East Napa, assignor to Nap-A-Tan Shoe Co., San Francisco, Calif. Leather boots and shoes. 56,411; renewed Sept. 25, 1926.
Farbwerke vorm. Meister Lucius & Brüning, Hoechst-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Anæsthetics. 55,744; renewed Aug. 21, 1926.
Feldhahn, F. John, doing business as Kasto-Mul Company, Independence, Mo. Castor-oil emulsion. 212,803; May 11; Serial No. 226,189; published Mar. 2, 1926.
Film Booking Offices of America, Inc., New York, N. Y. Motion-picture films. 212,676; May 11; Serial No. 213,561; published Feb. 16, 1926.
Fleming, E., & Co., Cambridge, Mass. Radio receiving sets. 212,758; May 11; Serial No. 223,778; published Feb. 23, 1926.
Florala Manufacturing Co., Florala, Ala. Children's nainsook underwear. 212,787; May 11; Serial No. 224,085; published Mar. 2, 1926.
Fox, Paul M., Chicago, Ill. Reducing powder. 212,804; May 11; Serial No. 226,191; published Mar. 2, 1926.
Free Sewing Machine Company, Rockford, Ill. Electric sewing machines. 212,636; May 11; Serial No. 222,739; published Mar. 2, 1926.
Freshman, Chas., Company, Incorporated, assignor to Chas. Freshman Co. Inc., New York, N. Y. Radio receiving sets. 212,671; May 11; Serial No. 207,006; published Feb. 23, 1926.
Frische, Rose M., doing business as Mme. Frische, Columbus, Ohio. Foot lotion for the treatment of corns and callt. 212,632; May 11; Serial No. 224,379; published Feb. 23, 1926.
Futterman, Joseph, doing business as Perkins Chemical Co., Baltimore, Md. Cough remedy. 212,734; May 11; Serial No. 225,656; published Feb. 23, 1926.
G. & G. Kynoch, Limited, London, England, and Keith, Scotland. Cloths and stuffs of wool, worsted, and hair. 212,617; May 11; Serial No. 219,337; published Mar. 2, 1926.
Gage, Joseph A., doing business as Thrift Packing Company, Dallas, Tex. Chile con carne, tamales, preserves, apple pectin, blackberry pectin, etc. 212,821; May 11.
Geiger, Howard A., Company, The, Cleveland, Ohio. Work, dress, negligee, night, and under shirts, pyjamas, union suits, collars, etc. 212,774; May 11; Serial No. 188,629; published Mar. 2, 1926.
Gipsy Trail Camp and Country Club, Inc., New York, N. Y. Candy. 212,765; May 11; Serial No. 212,919; published Oct. 13, 1925.
Glemby's, S., Sons Co., Inc., New York, N. Y. Cold and almond cream, face powder, rouge, etc. 212,680; May 11; Serial No. 187,578; published Mar. 11, 1924.
Goldberg, Isidor, doing business as National Garter Co., New York, N. Y. Sanitary aprons and sanitary elastic belts. 212,619; May 11; Serial No. 221,816; published Feb. 23, 1926.
Goldhill, Edward S., New York, N. Y. Doughnuts. 212,775; May 11; Serial No. 219,329; published Feb. 23, 1926.
Goodwin Laboratories, Incorporated, Louisville, Ky. Preparation for the prevention and treatment of venereal diseases. 212,784; May 11; Serial No. 225,090; published Mar. 2, 1926.
Goulard & Olena, Inc., New York, N. Y. Insectides. 212,737; May 11; Serial No. 223,417; published Feb. 23, 1926.
GripnStik Co., The, Dover, Ohio. Pliers and wrenches. 212,705; May 11; Serial No. 204,454; published Feb. 23, 1926.
Gruehy Faience and Tile Company, Boston, Mass., and Philadelphia, Pa. Floor tiles, wall tiles, tile door frames, etc. 212,603; May 11; Serial No. 222,675; published Jan. 19, 1926.
Guaranteed Auto Parts Co., Memphis, Tenn. Constructive parts of automobiles. 212,834; May 11.
Hall, Carrie A., Leavenworth, Kans. Dresses. 212,776; May 11; Serial No. 218,637; published Mar. 2, 1926.

Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks, clock cases, clock movements, and parts thereof. 56,169; renewed Aug. 28, 1926.
Hardman, Peck & Co., New York, N. Y. Pianos, player pianos, and reproducing pianos. 212,715; May 11; Serial No. 224,457; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Ammonia. 212,578; May 11; Serial No. 224,401; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Ammonia. 212,630; May 11; Serial No. 224,403; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Cough sirup. 212,631; May 11; Serial No. 224,384; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Bluing. 212,697-8; May 11; Serials Nos. 224,404–5; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Spirits of camphor. 212,711; May 11; Serial No. 224,393; published Feb. 23, 1926.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Ammonia. 212,713–14; May 11; Serial Nos. 224,399–400; published Feb. 23, 1926.
Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa. Drop forgings. 212,592; May 11; Serial No. 224,245; published Mar. 2, 1926.
Hartmann, Carl H., New York, N. Y. Atomisers. 212,607; May 11; Serial No. 207,352; published Mar. 2, 1926.
Hartmann & Hauers, Hanover, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del, and New York, N. Y. Creosote and guaiacol. 55,635; renewed Aug. 21, 1926.
Held, Frank, Tractor Co., The, Columbus, Ohio. Root washers, an apparatus for washing carrots, turnips, etc. 212,669; May 11; Serial No. 223,034; published Mar. 2, 1926.
Herman, Claude A., doing business as Old Colony Iron Works, Bridgeport, Conn. Table and bridge lamps. 212,836; May 11.
Hicks, William W., San Francisco, Calif. Electric water heaters including circulation, immersion, and special types, electric air heaters, etc. 212,754; May 11; Serial No. 224,189; published Feb. 23, 1926.
Hobson Houghton & Co. Limited, Sheffield, England. Steel in bars, plates, rods, and wire. 54,661; renewed June 26, 1926.
Hoffman & Mayer, Inc., New York, N. Y. Fresh poultry and eggs. 212,750; May 11; Serial No. 224,562; published Feb. 23, 1926.
Hohner, M., Inc., New York, N. Y. Mouth organs or harmonicas, accordions, and pitch pipes. 212,853; May 11.
Hopkins, L. A., Medicine Co., Atlanta, Ga. Tonic and intestinal eliminant. 212,818; May 11.
Horwood, E. H., & Co., Hoboken, N. J., and New York, N. Y. Ladies' safety belts and sanitary belts. 212,825; May 11.
Hotchkiss Steel Products Co., Inc., Binghamton, N. Y. Steel forms. 212,610; May 11; Serial No. 214,868; published Mar. 2, 1926.
Howard, E. A., doing business as E. A. Howard & Company, San Francisco, Calif. Hardwood flooring. 212,865; May 11.
Hug-Me-Tite Manufacturing Company. (See Livengood, Clarence J.)
Huth, Walter H., doing business as Walbert Manufacturing Co., Chicago, Ill. Radio receiving apparatus and parts thereof, etc. 212,678; May 11; Serial No. 217,619; published Feb. 23, 1926.
Hutton, William, and Sons, Limited, Sheffield, England. Silver and plated ware. 55,386; renewed Aug. 14, 1926.
Illinois Specialty Co., Tuscola, Ill. Ironing boards. 212,839; May 11.
Illinois Watch Case Company, Elgin, Ill. Watch movements and watchcases. 212,846; May 11.
Illinois Watch Case Co., Elgin, Ill. Watch movements and watchcases. 212,863; May 11.
Invincible Laundry Equipment Co., Chicago, Ill. Laundry machinery. 212,721; May 11; Serial No. 224,822; published Feb. 23, 1926.
Johnson Pharmacy, Fort Worth, Tex. Tonic for indigestion. 212,864; May 11.
Jones, R. H., & Sons, Birmingham, England. Watches, watchcases, and parts of watches. 212,768; May 11; Serial No. 208,131; published Feb. 23, 1926.
Jones, Vess, New York, N. Y. Bakery products. 212,681; May 11; Serial No. 167,246; published Feb. 16, 1926.
Kasto-Mul Company. (See Feldhahn, F. John.)
Katzner, Louis I., doing business as Comfy Manufacturing Company, Baltimore, Md. Pillows, fancy cushions, chair seats, and automobile cushions. 212,795; May 11; Serial No. 221,119; published Mar. 2, 1926.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's shoes of fur and cloth, men's socks, men's knitted and textile underwear, etc. 212,848; May 11.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Camp stoves. 212,850; May 11.
King-Seeley Corporation, Ann Arbor, Mich. Liquid-level gauges. 212,643; May 11; Serial No. 223,042; published Feb. 16, 1926.
King-Seeley Corporation, Ann Arbor, Mich. Liquid-level gauges. 212,685; May 11; Serial No. 223,043; published Feb. 16, 1926.
Kirshner & Alexander, New York, N. Y. Ladies' and misses' sport coats. 212,663; May 11; Serial No. 225,610; published Mar. 2, 1926.
Knoll & Co., Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Preparations of sodium theobromate and sodium salicylate. 55,759; renewed Aug. 21, 1926.
Kominsky, Meyer, doing business as Reyem Cie., New York, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 212,815; May 11.
Komo Chemical Co., Inc., Philadelphia, Pa. Insecticide. 212,622; May 11; Serial No. 222,617; published Mar. 2, 1926.
Kuhn, William F., doing business as Simplex Radio Supply Co., St. Louis, Mo. Radio receiving sets and parts. 212,675; May 11; Serial No. 210,127; published Feb. 23, 1926.
Kurtzmann, C., & Co., Buffalo, N. Y. Grand reproducing pianos. 212,861; May 11.
Lamke, Daniel H., New York, N. Y. Antiseptic tablets. 212,662; May 11; Serial No. 225,611; published Feb. 23, 1926.
Largman, Gray Company, Philadelphia, Pa. Ladies', misses' and children's hosiery. 212,652; May 11; Serial No. 224,978; published Mar. 2, 1926.
Latin, L., & Company, Wisconsin Rapids, Wis. Men's pants, suits, and overcoats. 212,817; May 11.
Lawrence, Charles H., El Paso, Tex. Cigar clippings. 55,157; renewed Aug. 7, 1926.
Lee, Pattie P., Kansas City, Mo. Complexion cream, massage cream, bath salts, body cream, etc. 212,745; May 11; Serial No. 221,323; published Feb. 23, 1926.
Le Frane Laboratories, Inc., New York, N. Y. Antiseptic in tablet form. 212,814; May 11.
Lehmann-Higginson Grocer Company, The, Wichita, Kans. Canned fruits, canned vegetables, canned fish, catchup, vinegar, etc. 212,753; May 11; Serial No. 219,291; published Feb. 23, 1926.
Lerner, Michael M., doing business as Marie de Medicis Company, Philadelphia, Pa. Hair oils. 212,756; May 11; Serial No. 223,966; published Mar. 2, 1926.
Lewis, Walter, Company, The, Trenton, N. J. Tonic elixir of iron. 212,635; May 11; Serial No. 223,950; published Feb. 23, 1926.
Libby, McNeill & Libby, Chicago, Ill. Canned peaches. 212,689; May 11; Serial No. 203,530; published Feb. 23, 1926.
Liberty Fabrics Corporation, Brooklyn, N. Y. Knitted and textile fabrics. 212,822; May 11.
Liberty Fabrics Corporation, Brooklyn, N. Y. Knitted and textile underwear and petticoats. 212,859; May 11.
Library Bureau, Cambridge, Mass. Filing cabinets, followers and bases therefor, bookcases, cupboards, etc. 212,801; May 11; Serial No. 211,688; published Mar. 2, 1926.
Liebovitz, S., & Sons Inc., New York, N. Y. Dress, negligee, and work shirts, pyjamas, and boys' blouses. 212,634–5; May 11; Serial Nos. 224,918–19; published Mar. 2, 1926.
Lincoln Radio Corporation, Chicago, Ill. Radio antenna. 212,722; May 11; Serial No. 224,874; published Feb. 23, 1926.
Lindner Co'y, The, Cleveland, Ohio. Women's and misses' dresses. 212,818; May 11.
Lion, Oscar, doing business as Lion and Company, New York, N. Y. Gauze ribbon for securing bouquets of flowers. 212,616; May 11; Serial No. 218,707; published Mar. 2, 1926.
Lipoidal Laboratories, Inc., New York, N. Y. Preparation for the treatment of narcotic drug addiction disease. 212,646; May 11; Serial No. 225,562; published Feb. 23, 1926.
Livengood, Clarence J., doing business as Hug-Me-Tite Manufacturing Company, Winston-Salem, N. C. Tire patch for inner tubes, rubber boots, etc. 212,687; May 11; Serial No. 223,310; published Feb. 16, 1926.
Loeffler, Brewer & Co., Inc., now by change of name Loeffler, Anhalt Company, Inc., New York, N. Y. Cotton piece goods. 212,577; May 11; Serial No. 224,462; published Mar. 2, 1926.
Londontown Clothes, Inc., Baltimore, Md. Men's coats, vests, pants, overcoats, and topcoats. 212,660; May 11; Serial No. 225,830; published Mar. 2, 1926.
Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken, The Hague, Netherlands. Sweet chocolate, chocolates, cocoa, candies, and biscuits. 212,656; May 11; Serial No. 224,776; published Feb. 23, 1926.
Machine Specialty Company, Ann Arbor, Mich. Radio receiving sets and component parts thereof. 212,783; May 11; Serial No. 225,127; published Mar. 2, 1926.
Magnolia Metal Company, New York, N. Y. Antifriction metals or alloys. 54,717; renewed June 26, 1926.
Manzke, Valone, Waukegan, Ill. Moth preventive. 212,810; May 11; Serial No. 225,668; published Mar. 2, 1926.
Marie de Medicis Company. (See Lerner, Michael M.)

Martin, John H., doing business as Peerless Products Company, Jersey City, N. J. Cold cream and hair-dressing pomade. 212,672; May 11; Serial No. 209,854 published Apr. 28, 1925.
Massachusetts Knitting Mills, Boston, Mass. Hosiery 212,778; May 11; Serial No. 213,794; published Mar. 2, 1926.
Maté, Inc., Philadelphia, Pa. Face powders, toilet waters rouges, etc. 212,806; May 11; Serial No. 226,296; published Mar. 2, 1926.
McQueen, Harry L., Washington, D. C. Mutton tallow for medicinal uses. 212,702; May 11; Serial No. 225,022; published Feb. 23, 1926.
McQueen, Harry L., Washington, D. C. Mutton tallow for medicinal purposes. 212,725; May 11; Serial No. 225,023; published Feb. 23, 1926.
Merck, E., Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Serum. 54,995; renewed Aug. 7, 1926.
Meridian Textile Corporation, New York, N. Y. Piece goods made of cotton. 212,621; May 11; Serial No. 226,107; published Mar. 2, 1926.
Micamold Radio Corp., Brooklyn, N. Y. Grid leaks and condensers. 212,707; May 11; Serial No. 219,830; published Feb. 23, 1926.
Michigan Drug Co., The, Detroit, Mich. Nerve and kidney pills, liniment, and compound extract for stomach and bowel diseases. 212,623; May 11; Serial No. 221,905; published Feb. 23, 1926.
Microzone Chemical Co. (See Allen, T. D.)
Mid-Mountain Fruit Co., Inc., Bentonville, Ark. Canned fruits and vegetables, catchup, canned apple butter, etc. 212,744; May 11; Serial No. 221,208; published Feb. 23, 1926.
Mirsky & Lewis, New York, N. Y. Children's wearing apparel, and particularly children's coats. 212,777; May 11; Serial No. 217,947; published Mar. 2, 1926.
Model Mill Co., Jackson, Tenn. Wheat flour. 212,701; May 11; Serial No. 225,271; published Feb. 23, 1926.
Moore & Fisher, Inc., New York, N. Y. Hosiery. 212,645; May 11; Serial No. 225,567; published Mar. 2, 1926.
Morris & Company, Incorporated, Baltimore, Md. Men's union suits made of textile fabric. 212,837; May 11.
Motor Improvements, Inc., Newark, N. J. Oil filters particularly adapted for automobiles. 212,659; May 11; Serial No. 222,333; published Feb. 16, 1926.
Murdock & Geb Co., Franklin, Mass. Bobbin holders. 212,852; May 11.
Nap-A-Tan Shoe Co. (See Evans Shoe Co., assignor.)
National Grocer Company, Detroit, Mich. Matches. 212,601; May 11; Serial No. 222,902; published Mar. 2, 1926.
National Ice Cream Company, Louisville, Ky. Ice cream. 212,599; May 11; Serial No. 223,860; published Feb. 23, 1926.
National Radium Laboratories, Inc., Minneapolis, Minn. Preventive of pyorrhea and all mouth infections. 212,628; May 11; Serial No. 225,099; published Feb. 23, 1926.
National Sewing Machine Company, Belvidere, Ill. Sewing machines. 212,828–9; May 11.
Naumburg, Robert E., doing business as Ren Manufacturing Company, Winchester, Mass. Finger rings. 212,658; May 11; Serial No. 224,571; published Feb. 23, 1926.
Nevagra Products Inc., New York, N. Y. Hair dye. 212,582; May 11; Serial No. 224,985; published Feb. 23, 1926.
Newark Wholesale Grocery Co., Newark, N. J. Vinegar, spices, pepper, and preserved fruits and berries. 212,724; May 11; Serial No. 212,285; published Feb. 23, 1926.
New Iberia Canning Company, Inc., New Iberia, La. Sirup for food purposes. 212,596; May 11; Serial No. 224,104; published Feb. 23, 1926.
Niagara Alkali Company, Niagara Falls, N. Y. Insecticides, disinfectants, and deodorants. 212,786; May 11; Serial No. 224,258; published Mar. 2, 1926.
Nippon Dry Goods Company, San Francisco, Calif. Soda ash, caustic soda, bicarbonate of soda, etc. 212,691; May 11; Serial No. 221,500; published Feb. 23, 1926.
North State Pottery Company, assignor to North State Pottery Co., Sanford, N. C. Pottery. 212,583; May 11; Serial No. 225,028; published Mar. 2, 1926.
Oberndorfer Company, The, doing business as R. E. Branch & Co., Milwaukee, Wis. Men's dress and negligee shirts. 212,858; May 11.
Oil Jack Company, Inc., The, New York, N. Y. Fluid and hydraulic jacks. 212,686; May 11; Serial No. 223,541; published Mar. 2, 1926.
Old Colony Iron Works. (See Herman, Claude A.)
Old Settler Company, The. (See Crates & Bowen.)
Oxweld Acetylene Company, New York, N. Y. Welding rods. 212,573; May 11; Serial No. 224,828; published Feb. 23, 1926.
Palm Knitting Co., Inc., New York, N. Y. Sweaters. 212,624; May 11; Serial No. 153,772; published May 15, 1923.
Paragon Phono Parts Manufacturing Co. Inc., Newark, N. J. Motors, turntables, tone arms, reproducers, and parts thereof for phonographs. 212,759; May 11; Serial No. 223,542; published Feb. 23, 1926.
Peck & Peck, New York, N. Y. Hosiery. 212,657; May 11; Serial No. 224,617; published Mar. 2, 1926.
Peck & Peck, New York, N. Y. Hosiery. 212,780; May 11; Serial No. 224,618; published Mar. 2, 1926.
Peerless Products Company. (See Martin, John A.)
Peerless Products Company, Los Angeles, Calif. Wax distributor and floor polisher. 212,677; May 11; Serial No. 215,092; published Jan. 19, 1926.
Peerless Roll Leaf Co., Inc., New York, N. Y. Imitation gold and silver leaf mounted on a roll of paper. 212,579; May 11; Serial No. 224,352; published Mar. 2, 1926.
Perfection Mattress and Spring Co., Birmingham, Ala. Bed springs. 212,699; May 11; Serial No. 224,422; published Feb. 16, 1926.
Perkins Chemical Co. (See Futterman, Joseph.)
Permite Piston Co., Cincinnati, Ohio. Pistons. 212,703; May 11; Serial No. 225,053; published Mar. 2, 1926.
Pilcher, R. A., Co., Inc., New York, N. Y. Hosiery. 212,661; May 11; Serial No. 225,731; published Mar. 2, 1926.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat bran. 212,767; May 11; Serial No. 207,032; published Feb. 16, 1926.
Pillsbury Flour Mills Company, Minneapolis, Minn. Pancake flour. 212,772; May 11; Serial No. 207,030; published Feb. 16, 1926.
Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga. Toothpicks. 212,611; May 11; Serial No. 215,479; published Mar. 2, 1926.
Pollard, W. H., Memphis, Tenn. Canned fruits and canned vegetables, canned fish, etc. 212,692; May 11; Serial No. 221,449; published Feb. 23, 1926.
Porter, Philip, Nashua, N. H. Canned fruits and vegetables, canned milk, fish, and shellfish. 212,862; May 11.
Progressive Musical Instrument Corporation, New York, N. Y. Tenor banjos and band instruments. 212,855; May 11.
Pure Food Laboratories Company, The, Delaware, Ohio. Milk containing chocolate-flavored sirup. 212,606; May 11; Serial No. 206,492; published Feb. 16, 1926.
Radiall Company, New York, N. Y. Radio tuning dials. 212,742; May 11; Serial No. 219,557; published Feb. 23, 1926.
Reading Hardware Company, Reading, Pa. Locks, lock cylinders, latches, and catches. 212,824; May 11.
Rekar, Jay J., doing business as De Luxe Lamp Mfg. Co., assignor to De Luxe Lamp Mfg. Co., Los Angeles, Calif. Medical and surgical lamps. 212,604; May 11; Serial No. 203,749; published Jan. 5, 1926.
Ren Manufacturing Company. (See Naumburg, Robert E.)
Requardt, Gustav J., Baltimore, Md. Knittted and textile underwear. 212,797; May 11; Serial No. 202,079; published Mar. 2, 1926.
Reyem Cie. (See Kominsky, Meyer.)
Rhodes, Carl E., Maurertown, Va. Fresh apples. 212,612; May 11; Serial No. 215,707; published Jan. 5, 1926.
Rich, E. C., Inc., New York, N. Y. Cough lozenges. 212,729–30; May 11; Serial No. 225,847–8; published Feb. 23, 1926.
Rich, E. C., Inc., New York, N. Y. Jujubes made of menthol and eucalyptus, of menthol and glycerin, etc. 212,731; May 11; Serial No. 225,845; published Feb. 23, 1926.
Rife Hydraulic Engine M'f'g Co., New York, N. Y. Hydraulic engines and rams. 212,696; May 11; Serial No. 224,205; published Mar. 2, 1926.
Rignon, Joseph A., Paris, France. Cinematographic apparatus. 212,614; May 11; Serial No. 218,033; published Feb. 23, 1926.
Rimmel, Eugene, Societe Anonyme, Paris, France. Perfume, toilet water, face powder, bath salts, etc. 212,587–8; May 11; Serial Nos. 225,057–8; published Feb. 23, 1926.
Ritter Dental Mfg. Co., Inc., Rochester, N. Y. Dental appliances. 212,833; May 11.
Robbins Company, The, Attleboro, Mass. Articles made wholly or in part of precious metal, college and school jewelry, class pins, etc. 212,793; May 11; Serial No. 222,191; published Mar. 2, 1926.
Roden Coal Company, Marvel, Ala. Coal. 212,740; May 11; Serial No. 223,943; published Jan. 12, 1926.
Roethlisberger & Sohn, Bern and Langnau, Switzerland. Cheese. 212,764; May 11; Serial No. 221,773; published Feb. 16, 1926.
Russell-Miller Milling Company, Minneapolis, Minn. Wheat flour. 212,651; May 11; Serial No. 224,990; published Feb. 16, 1926.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 212,723; May 11; Serial No. 224,991; published Feb. 16, 1926.
Salfood Laboratories, Inc., Chicago, Ill. Mineral salt preparation for the treatment and prevention of indigestion, etc. 212,684; May 11; Serial No. 206,258; published Feb. 24, 1925.
Sanitary Scale Company, Chicago, Ill. Weighing scales. 212,830; May 11.
Saurer, Adolph, Inc., New York, N. Y. Internal-combustion motors and parts thereof. 212,641; May 11; Serial No. 220,680; published Mar. 2, 1926.

Schenck, Lulu E., doing business as Mrs. A. L. Schenck, Los Angeles, Calif. Salad dressing. 212,576; May 11; Serial No. 224,477; published Feb. 23, 1926.
Schering & Glatz, Inc., New York, N. Y. Medicinal preparation recommended for the relief of postpartum pains. 212,733; May 11; Serial No. 225,680; published Feb. 23, 1926.
Schmidt, Florian J., Palm Beach, Fla. Liver renovators. 212,816; May 11.
Schwerin Electrical Appliance Corp., San Francisco, Calif. Glass switch plates. 212,835; May 11.
Scientific Products, Inc., Wilmington, Del., and Chicago, Ill. Medicinal tablets. 212,812; May 11; Serial No. 226,081; published Mar. 2, 1926.
Scott, Irving G., New York, N. Y. Electric lamps adapted for combination with clocks. 212,845; May 11.
Seebohm & Dieckstahl Ld., assignor to Arthur Balfour & Co. Limited, Sheffield, England. Steel and iron in bar, rod, rail, sheet, and wire. 54,765; renewed June 26, 1926.
Semon Bache & Company, New York, N. Y. Mirror plates. 56,329; renewed Sept. 11, 1926.
Shuster Gormly Company, Jeannette, Pa. Canned goods, salad dressing, etc. 212,609; May 11; Serial No. 210,688; published Aug. 25, 1925.
Simon, Hyman, New York, N. Y. Hair nets. 212,586; May 11; Serial No. 225,056; published Mar. 2, 1926.
Simplex Radio Supply Co. (See Kuhn, William F.)
Singer Manufacturing Company, The. (See Wheeler & Wilson Manufacturing Company, assignor.)
Smith & Smith, New York, N. Y. Ties, dress and negligee shirts, scarfs, bath robes, etc. 212,840; May 11.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 212,854; May 11.
Southern Dairies, Inc., Miami, Fla. Butter. 212,739; May 11; Serial No. 225,289; published Feb. 23, 1926.
Southern Plow Co. Dept. (See Columbus Iron Works Co.)
Southland Battery Company, Washington, D. C. Batteries and their accessories. 212,639; May 11; Serial No. 221,856; published Feb. 23, 1926.
Sparks-Withington Company, The, Jackson, Mich. Electrical automobile horns. 212,857; May 11.
Stadlmair, Henry, Co. Inc., New York, N. Y. Brass band instruments. 212,842; May 11.
Standard Biscuit Company, Des Moines, Iowa. Biscuits. 212,650; May 11; Serial No. 225,147; published Feb. 23, 1926.
Standard Seed Co., doing business as Standard Seed Products Co., Kansas City, Mo. Malt sirup for food purposes. 212,751; May 11; Serial No. 224,535; published Feb. 23, 1926.
Stearns, Frederick, & Company, Detroit, Mich. Perfumes, toilet water, and face powder. 212,626; May 11; Serial No. 225,408; published Feb. 23, 1926.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water and face powder. 212,738; May 11; Serial No. 225,409; published Feb. 23, 1926.
Storey, H. E., doing business as Storey Laboratories, Houston, Tex. Medicine to be used as a nerve tonic, a general alterative, etc. 212,694; May 11; Serial No. 224,060; published Feb. 23, 1926.
Stowe, Benjamin L., Jersey City, assignor, by mesne assignments, to Eureka Fire Hose Manufacturing Company, Jersey City, N. J., and New York, N. Y. Hydraulic hose. 28,419; renewed June 23, 1926.
Strauss, Levi, & Co., San Francisco, Calif. Jumper shirts, blouse shirts, dress shirts, overalls, etc. 212,766; May 11; Serial No. 211,216; published Mar. 2, 1926.
Sutherland, Martin E., doing business as M. E. Sutherland Medicine Co., Paducah, Ky. Salve for the treatment of croup, cold in the chest, etc. 212,802; May 11; Serial No. 209,552; published Feb. 23, 1926.
Switch Plate Corporation, Norfolk, Va. Switch plates. 212,675; May 11; Serial No. 213,051; published Feb. 9, 1926.
Sylvania Products Company, Emporium, Pa. Radiotubes. 212,808; May 11; Serial No. 225,247; published Mar. 2, 1926.
Tannenbaum, Isidor, doing business as I. Tannenbaum Co., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 212,823; May 11.
Taylor, Olin R., doing business as Taylor Products Co., Phoenix, Ariz. Mayonnaise. 212,796; May 11; Serial 220,746; published Jan. 26, 1926.
Theme Hosiery Company, Los Angeles, Calif. Hosiery. 212,782; May 11; Serial No. 222,095; published Mar. 2, 1926.
Thomas, Errold B., Newton, Mass. Absorbent material of fibrous character adapted for use in absorbent packages or pads, etc. 212,574; May 11; Serial No. 224,787; published Feb. 23, 1926.
Thompson, N. J., & Co., Elmira, N. Y. Hosiery. 212,648; May 11; Serial No. 225,384; published Mar. 2, 1926.
Thrift Packing Company. (See Gage, Joseph A.)
Thurston Cutting Corporation, New York, N. Y. Typewriter ribbons. 212,732; May 11; Serial No. 225,817; published Feb. 23, 1926.
Timken-Detroit Axle Company, The, Detroit, Mich. Brakes, braking systems, and parts thereof for motor vehicles. 212,826; May 11.
Tingue, Brown & Co., New York, N. Y. Knitted cotton padding for laundry-machinery rolls. 212,584; May 11; Serial No. 225,046; published Mar. 2, 1926.
Tip-Top Overall Company. (See Berman, Samuel H.)
Triangle Apparel Co., New York, N. Y. Ladies' wearing apparel. 212,752; May 11; Serial No. 224,305; published Mar. 2, 1926.
Tripler, F. R., & Co., Inc., New York, N. Y. Men's coats, vests, long pants, etc. 212,769; May 11; Serial No. 223,489; published Mar. 2, 1926.
Tritch, George, Hardware Company, The, Denver, Colo. Hammers, hatchets, axes, lawn mowers, adzes, auger bits, etc. 212,720; May 11; Serial No. 224,755; published Feb. 23, 1926.
Trout, A. K., Co., Inc., New York, N. Y. Supports for brushes. 212,820; May 11.
U-C-It Silk Hosiery Co., The, Marietta, Ga. Hosiery, silk underwear, and ladies' and children's shoes. 212,763; May 11; Serial No. 222,965; published Mar. 2, 1926.
Ubiko Milling Company, The, Cincinnati, Ohio. Stock and poultry feed, particularly poultry scratch feed. 212,770; May 11; Serial No. 165,901; published Feb. 23, 1926.
Uddeholms Aktiebolag, Uddeholm, Sweden. Iron and steel. 212,593; May 11; Serial No. 224,214; published Feb. 23, 1926.
Uddeholms Aktiebolag, Uddeholm, Sweden. Bar iron, iron, and Bessemer iron. 212,594; May 11; Serial No. 224,213; published Feb. 23, 1926.
Uddeholms Aktiebolag, Uddeholm, Sweden. Pig iron, iron, and steel. 212,595; May 11; Serial No. 224,212; published Feb. 23, 1926.
United States Graphite Co., The, Saginaw, Mich. Lubricating graphite. 55,468; renewed Aug. 14, 1926.
United States Hat Machinery Corporation, New York, N. Y. Hat machinery and particularly hat bat-felting machines. 212,638; May 11; Serial No. 222,052; published Mar. 2, 1926.
U. S. Technical Products Company, New York, N. Y., and Scotch Plains, N. J. Insecticides, deordorants, disinfectants, and antiseptic solutions. 212,627; May 11; Serial No. 225,152; published Feb. 23, 1920.
Universal Crane Company, The, Elyria, Ohio. Mobile power shovels and cranes. 212,642; May 11; Serial No. 218,152; published Mar. 2, 1926.
Universal Skid-less Chain Company, Niles, Mich. Anti-skid chains for automobiles and mud hooks. 212,794; May 11; Serial No. 221,724; published Mar. 2, 1926.
Untermeyer Robbins & Co., New York, N. Y. Wedding rings. 212,860; May 11.
Upjohn Company, The, Kalamazoo, Mich. Effervescent salt for the treatment of nutritional disorders. 212,807; May 11; Serial No. 226,314; published Mar. 2, 1926.
Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung, Frankfort-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Medicament. 54,087; renewed June 19, 1926.
Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung, Frankfort-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Derivatives of cinchona alkaloids. 54,088; renewed June 19, 1926.
Vogel Brothers Company, Inc., New York, N. Y. Collar buttons, cuff links, watch, neck, and belt chains, etc. 212,844; May 11.
Walbert Manufacturing Co. (See Huth, Walter H.)
Wales, Betty, Inc., New York, N. Y. Perfumes, toilet waters, etc. 212,679; May 11; Serial No. 224,496; published Feb. 23, 1926.
Weinstein, Louis J., New York, N. Y. Composition for making hard refractory dental models and investments. 212,600; May 11; Serial No. 223,206; published Mar. 2, 1926.
Western Cartridge Company, East Alton, Ill. Rifle cartridges. 212,602; May 11; Serial No. 222,896; published Mar. 2, 1926.
Westphal, Paul, New York, N. Y. Liquid for treating the hair, toilet water, hair dyes, etc. 212,585; May 11; Serial No. 225,050; published Feb. 23, 1926.
Wheatal Company, The, Bangor, Me. Breakfast cereals. 212,748; May 11; Serial No. 224,851; published Feb. 16, 1926.
Wheeler & Wilson Manufacturing Company, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines, parts, and attachments. 55,866; renewed Aug. 21, 1926.
Wheeler & Wilson Manufacturing Company, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines and their parts and attachments. 55,999; renewed Aug. 21, 1926.
Wheeler & Wilson Manufacturing Company, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines and their parts and attachments. 56,109; renewed Aug. 21, 1926.

Williams, Mervin H., New Britain, Conn. Healing cream. 212,805; May 11; Serial No. 226,268; published Mar. 2, 1926.
Wills, Fannie H., Quincy, Ill. Liniment, horse renovating powders, and colic remedies for horses. 212,712; May 11; Serial No. 225,459; published Feb. 23, 1926.
Wintersmith Medicine Co., assignor to Wintersmith Chemical Company, Louisville, Ky. Antimalarial tonics. 51,180; renewed Apr. 3, 1926.
Witmark, M., & Sons, New York, N. Y. Thin paste. 212,743; May 11; Serial No. 220,268; published Feb. 16, 1926.
Wyman, Partridge & Co., Minneapolis, Minn. Work clothing. 212,781; May 11; Serial No. 224,370; published Mar. 2, 1926.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Steel sheets. 212,718–9; May 11; Serial Nos. 224,687–8; published Jan. 26, 1926.
Ziv Steel and Wire Company, Chicago, Ill. Drill steel. 212,827; May 11.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 212,590; May 11; Serial No. 225,904; published Mar. 2, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Health Products Co., Los Angeles, Calif. Mab. For Household Cleaner. 30,304; May 11.
Atlantic Food Products Corp., Philadelphia, Pa. Afco Hops. For Hops. 30,305; May 11.
Boyce, Homer P., Tampa, Fla. X-L Digestive Tablets. For a Stomach Remedy. 30,306; May 11.
Boyce, Homer P., Tampa, Fla. X-L Gas Tablets. For a Stomach Remedy. 30,307; May 11.
Buko Company. (See Dziadulewicz, Matt.)
Cash, Laurence E., doing business as New York Drug Concern, New York, N. Y. Di-Col-Q. For a Medicinal Preparation. 30,308; May 11.
Christian Peper Tobacco Company, doing business as The C. P. Thorne Laboratories, St. Louis, Mo. Scientex Fly Spray. For Insecticide. 30,309; May 11.
Cohen, I., & Sons. (See Menasha Printing and Carton Company, assignor.)
Cowles Detergent Company, The, Cleveland, Ohio. Escolite. For a Patented Washing Compound. 30,310; May 11.
Davis Manufacturing Company, Knoxville, Tenn. Tryme. For Flavoring Extracts. 30,311; May 11.
Delp, Frank S., doing business as Red Arrow Malt Extract Company, Pittsburgh, Pa. Red Arrow. For Malt Sirup. 30,312; May 11.
Dziadulewicz, Matt, doing business as Buko Company, Chicago, Ill. Birch Bark. For Dandruff Remover and Hair Tonic. 30,313; May 11.
Eastman, Anna C., doing business as Eastman, Cincinnati, Ohio. Eastman's French Salad Dressing. For a Liquid Salad Dressing. 30,314; May 11.
Edison Citrus Association, Edison, Calif. Gosling. For Oranges. 30,315; May 11.
Elite Candy Mfg. Co., The, Spartanburg, S. C. Snow Ball. For Candy. 30,316; May 11.
Elite Candy Mfg. Co., The, Spartanburg, S. C. By George Try Me. For Candy. 30,317; May 11.
Elite Candy Mfg. Co., The, Spartanburg, S. C. Hub-City Bar. For Candy. 30,318; May 11.
Ferraris, Pete, Los Angeles, Calif. First Place. For Grapes. 30,319; May 11.
Frantz Candies, Inc., Lancaster, Pa. Frantz Independence. For Marshmallows. 30,320; May 11.
Fusco, Salvatore E., doing business as S. E. Fusco Fruit Co., Los Angeles, Cal. Charm. For Oranges. 30,321; May 11.
Golden West Shippers Inc., Oxnard, Calif. Sue-Preme. For Fresh Tomatoes. 30,322; May 11.
Hart & Cooley Company, The, New Britain, Conn. Handy Craft—The Modern Toy for the Modern Boy. For Mechanical-Toy Construction Units. 30,323; May 11.
Honolulu Dairymen's Association, Ltd., doing business as Mid-Pacific Candy Factory, Honolulu, Hawaii. Royal Hawaiian Glacé Pineapple. For Glacé Pineapple. 30,324; May 11.
Ivins', J. B., Son, Inc., Philadelphia, Pa. Ivins. For Cookies. 30,325; May 11.
Jefferson, George F., Cincinnati, Ohio. Endless-Life. Bakery Foods. 30,326; May 11.
Laboratory Products Company, The, Cleveland, Ohio. Protein S. M. A. (Acidulated). For a Product for Infants. 30,327; May 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to I. Cohen & Sons, Brooklyn, N. Y. Carton. For Butter. 30,328; May 11.
Mid-Pacific Candy Factory. (See Honolulu Dairymen's Association, Ltd.)
New York Drug Concern. (See Cash, Laurence E.)
North American Mercantile Company, San Francisco, Calif. Namco. For Canned Crab. 30,329; May 11.
North American Mercantile Company, San Francisco, Calif. Izumi. For Canned Crab. 30,330; May 11.
Puget Sound Chemical Company, Bellingham, Wash. Bloodo. For a Chemical. 30,331; May 11.
Red Arrow Malt Extract Company. (See Delp, Frank S.)
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Re-Form Arch Support. For Arch Supports and Foot Corrective Appliances. 30,332; May 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Tru-Span Arch Support. For Arch Supports and Foot Corrective Appliances. 30,333; May 11.
See, Joseph E., doing business as The Tanjora Company, New York, N. Y. Tanjora. For Oranges. 30,334; May 11.
Tanjora Company, The (See, Joseph E.)
Thorne, C. P., Laboratories, The. (See Christian Peper Tobacco Company.)
Watson, Mrs. Emily, Inc., Fort Plain, N. Y. Mrs. Watson's Pie Crust. For Prepared Pie-Crust Flour. 30,335; May 11.
Watson, Mrs. Emily, Inc., Fort Plain, N. Y. Mrs. Watson's Pie Crust Dough. For Prepared Pie-Crust Flour. 30,336; May 11.
Wenzel, Frank, Albany, N. Y. Traffic. For a Card Game. 30,337; May 11.
Western Coffee & Tea Co., Oklahoma City, Okla. Cain's Better Spices. For Spices. 30,338; May 11.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Comfort Insurance Requires no Premium. For Athletic Underwear. 8,763; May 11.
Cream of Wheat Co., Minneapolis, Minn. A Good Start Is Half the Journey. For Wheat Breakfast Food. 8,764; May 11.
Cream of Wheat Co., Minneapolis, Minn. An Ideal Basis in Cereal Feeding. For Wheat Breakfast Food. 8,765; May 11.
Crocker, Josiah H., doing business as Pingo Company, Boston, Mass. Pingo Shine Stovwax. For Stove Polish. 8,766; May 11.
Crystal Chemical Company, Inc., The, New York, N. Y. 'Its Mine!—But the Whole Family Uses it!' For Talcum Powders for Nursery and Toilet Use. 8,767; May 11.
De Laval Separator Company, The, New York, N. Y. The Two Big Profit Makers on the Farm. For Cream Separators and Milkers. 8,768; May 11.
Dellarowe, Anthony K., doing business as Dellarowe Laboratories, Los Angeles, Calif. Dellarowe's Mercurochrome. For Tooth Paste. 8,769; May 11.
Eskimo Pie Corporation, Louisville, Ky. New Favorite of the 19th Hole. For Frozen Confections. 8,770; May 11.
La Salle Company, The, assignor to La Salle Products, Inc., St. Paul, Minn. Eden. For Toilet Articles. 8,771; May 11.
Lasky, J. G., New York, N. Y. Credit Minus Red Tape. For Clocks, Diamonds, Rings, and Watches. 8,772; May 11.
Lewis, Edgar P., & Sons, Inc., Boston, Mass. Lewis Pure Hard Candies. For Candies. 8,773; May 11.
Mutual Creamery Company, Los Angeles, Calif. Maid O' Clover Dairy Products. For Dairy Products. 8,774; May 11.
Orinoka Mills, The, New York, N. Y. Make Your Slip-Covers of Orinoka. For Draperies and Upholsteries. 8,775; May 11.
Pingo Company. (See Crocker, Josiah H.)
Summerour & Son, Vernon, Tex. Western Wonder. For Cottonseed. 8,776; May 11.
Universal Gypsum Company, Chicago, Ill. Gypsolite Wallboard. For Wall Board. 8,777; May 11.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Alden Products Company, Inc., Orange, N. J. Mayonnaise, catchup, chili sauce, olives, etc. 228,271; May 11.
Alexander Industries, Inc., Englewood, Colo. Airplanes. 227,621; May 11.
American Novelty Co., Brooklyn, N. Y. Candy. 173,949; May 11.
Aprile, S., & Co., Inc., New York, N. Y. Cream for use in brightening footwear made of gold and silver kid. 228,586; May 11.
Arkansas City Milling Company, The, Arkansas City, Kans. Wheat flour. 228,291; May 11.
Arn & Zweifel Company, Monticello, Wis. Cheese. 223,832; May 11.
Asphalt Cold Mix Limited, assignor to Asphalt Cold Mix (1925) Limited, London, England. Bituminous paints or like coatings or impregnating compositions. 226,275; May 11.
Aywon Storage Battery Co. (See Patstone, Arthur L.)
Babcock, A. P., Company, New York, N. Y. Deodorants. 229,081; May 11.
Bakelite Corporation, New York, N. Y. Picture frames and chair seats and arms. 222,155; May 11.
Barrett Company, The, New York, N. Y. Composition roll roofing and shingles. 211,197; May 11.
Bartley, Jonathan, Crucible Company, Trenton, N. J. Fire brick and tile. 224,564; May 11.
Bat-Les Lite Company. (See Smith, Mildred A.)
Bauman, Hyman, Co. Inc., New York, N. Y. Cotton and linen fabrics and combinations. 226,146; May 11.
Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 228,607; May 11.
Behringwerke Aktiengesellschaft, Marburg, Germany. Syringes and instruments for dentists, physicians, and surgeons, adhesive plasters for dressing and strengthening, etc. 205,852; May 11.
Bendix & Fiber, Inc., New York, N. Y. Piece goods of silk, rayon, cotton, and wool or combinations thereof. 226,996; May 11.
Best & Co., Inc., New York, N. Y. Iron, porcelain, or enameled bathtubs. 227,290; May 11.
Blue Hill Candy Co., St. Louis, Mo. Candies. 227,293; May 11.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 229,775; May 11.
Bonita Co., The, Fond du Lac, Wis. Candy. 229,538; May 11.
Bono Drug Company, Jersey City, N. J. Dry cleaner. 228,685; May 11.
Boyd, John, Co., Lynn, Mass. Potato chips. 229,042; May 11.
Brehm, Philip, Houston, Tex. Healing salve. 226,581; May 11.
Brock, Edward P., doing business as E. P. Brock & Co., Boston, Mass. Tanks for holding liquids, steam, etc. 227,933; May 11.
Buckeye Soda Products Company, Cleveland, Ohio. Bicarbonate of soda. 226,583; May 11.
Budde, Joseph H., doing business as Kut-Zm Mfg. Co., Devils Lake, N. Dak. Razor-strop dressing. 228,799; May 11.
Calumet Steel Company, Chicago, Ill. Metallic fence posts. 224,235; May 11.
Cameron & Dunham, Inc., Chicago, Ill. Mayonnaise and salad dressing. 228,685; May 11.
Caward Dart Company, Waterloo, Iowa. Gasoline-filling-station pumps. 218,468; May 11.
Central Candy Co., Waco, Tex. Candy bar. 228,890; May 11.
Chaplin, Percy F., London, England. Metal tins or containers for packing goods. 227,717; May 11.
Churn Products Company. (See Hussey, Kenneth P., and Finn.)
Clark Controller Company, The, Cleveland, Ohio. Electric controllers, magnetic brakes, and electric switches. 227,880; May 11.
Climalene Company, The, Canton, Ohio. Cleaning preparation. 225,769–70; May 11.
Columbia Novelty Ivory Co., Inc., New York, N. Y. Mirrors, combs, brushes, shoehorns, buttonhooks, trays, and manicure articles. 227,443; May 11.
Corcoran, Thos. J., Lamp Co., The, Cincinnati, Ohio. Electric heaters of the reflector type. 211,461; May 11.
Cream Top Bottle Corporation, Albany, N. Y. Glass milk bottles. 221,948; May 11.
Crescent Typewriter Supply Company, Portland, Me., and Boston, Mass. Ink ribbons and carbon paper. 228,847; May 11.
Cutler-Hammer Mfg. Co., The, Milwaukee, Wis. Vacuum-tube sockets. 210,714; May 11.
Damiano, Fedora, Brookline, Mass. Necklaces, lingerie clasps, and lingerie pins. 228,411; May 11.
Davidson Brothers, New York, N. Y. Ladies' undergarments. 228,362; May 11.
Delespa-Werke G. m. b. H., Delmenhorst, Germany. Soap. 228,894; May 11.
De-Lite-Us Hair Clasp Company, The. (See Fridolph, Mrs. Anna S.)
Deluxe Savo Cooker Company, Chicago, Ill. Cooking utensils made of aluminum. 228,030; May 11.
Detroit Oak Belting Company, Detroit, Mich. Leather belting. 228,299; May 11.
Dickerson, Frank T., Wilmington, Del. Healing ointment. 222,563; May 11.
Dixie-Portland Flour Co., Memphis, Tenn. Wheat flour. 227,882; May 11.
Dolly Madison Baking Corporation, Springfield, Mass. Bread and rolls. 228,598; May 11.
Dougherty, Albert U., Muncie, Ind. Cakes. 226,342–4; May 11.
Doulton & Co. Limited, Lambeth, London, England. Pottery, earthenware, and china. 220,764–5; May 11.
Dunham Company, The, Berea, Ohio. Hot-water heaters and hot-water heating and storage systems. 224,962; May 11.
Durand-McNeil-Horner Co., Chicago, Ill. Baking powder, baking soda, laundry starch, bluing, ammonia, and table salt. 229,540; May 11.
Dye and Chemical Company of Canada, Limited, Kingston, Ontario, Canada. Vitreous and waxlike material, a binder or an adhesive cement for joining materials such as metal, glass, china, etc. 217,699; May 11.
Eastern Carbon Black Company, Charleston, W. Va. Carbon black adapted for use as an ink pigment. 208,799; May 11.
Engineering Products Corporation, Inc., The, New York, N. Y. Dust masks. 220,337; May 11.
Ereth, Frank, Iowa City, Iowa. Salve for the treatment of piles. 225,556; May 11.
Etablissements Rocca, Tassy & De Roux, Marseille, France. Refined coconut oil used as a cooking fat. 227,170; May 11.
Faesch, Emanuel, Basel, Switzerland. Cosmetics for the mouth. 229,552; May 11.
Federated Manufacturers' Corporation, San Francisco, Calif. Loud speakers, radiophones, dials, rheostats, etc. 223,631; May 11.
Ferdinand Schuchhardt Berliner Fernsprech- und Telegraphenwerk Aktiengesellschaft, Berlin, Germany. Telegraph and telephone systems, as well as parts thereof and accessories therefor. 209,981; May 11.
First Aid Equipment & Supply Co., Los Angeles, Calif. Empty first-aid cases. 215,044; May 11.
Fischer, Charles, New York, N. Y. Finger rings. 227,833; May 11.
Fischer, Chas., Spring Co., The, Brooklyn, N. Y. Radio accessories. 207,925; May 11.
Fleming-Wilson Mercantile Company, Topeka, Kans. Cases for displaying perishable merchandise. 227,782; May 11.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 229,102; May 11.
Fort Schuyler Knitting Co., Utica, N. Y. Knitted union suits and underwear. 228,420; May 11.
Foster, F. A., & Co. Inc., Boston, Mass. Cotton piece goods and cotton and linen piece goods. 229,787; May 11.
Frescon Manufacturing Company, Oakland, Calif. Chocolate paste for making food beverages. 228,235; May 11.
Fridolph, Mrs. Anna S., doing business as The De-Lite-Us Hair Clasp Company, New York, N. Y. Hair clasps. 228,308; May 11.
Frost, George, Company, Boston, Mass. Ladies' hose supporters. 228,425; May 11.
Fruhauf Bros. & Co., New York, N. Y. Men's and young men's suits and overcoats, topcoats, sack coats, waistcoats, knickers, and breeches. 229,509; May 11.
General Merchandise Exchange, Inc., The, New York, N. Y. Hosiery, men's and boys' shirts, and boys' and children's blouses. 226,708; May 11.
Girl Scouts, New York, N. Y. Baggage, animal equipments, portfolios, and pocketbooks. 206,957; May 11.
Girl Scouts, New York, N. Y. Iodine pen or carrier, absorbent and medicated cotton, bandages, adhesive medicinal tape. 206,958; May 11.
Girl Scouts, New York, N. Y. Belt suspension hooks for carrying articles and plates, pans, cups, and kettles. 206,959; May 11.
Girl Scouts, New York, N. Y. Axes, pocketknives, camp knives, hunting knives, table knives and forks, etc. 206,963; May 11.
Girl Scouts, New York, N. Y. Loose-leaf binders and sheets therefor, writing tablets, writing papers, etc. 206,964; May 11.
Girl Scouts, New York, N. Y. Whistles and bugles. 206,965; May 11.
Girl Scouts, New York, N. Y. Buttons, braids, needles, thimbles. 206,968; May 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Girl Scouts, New York, N. Y. Blankets, neckerchiefs, handkerchiefs, woolen goods in the piece, cotton goods in the piece. 206,969; May 11.
Gleam Manufacturing Co., Davenport, Iowa. Cleaning compound. 221,700; May 11.
Gold Seal Radio Products Co., Chicago, Ill. Radio sets and parts thereof. 226,354; May 11.
Golden Fruit Distributors, Los Angeles, Calif. Oranges, lemons, grapefruit, etc. 224,016; May 11.
Goldenberg, David, Philadelphia, Pa. Candy. 229,327; May 11.
Gordon Baking Company, Detroit, Mich. Bread. 227,071; May 11.
Graff, Jacob, New York, N. Y. Men's and young men's suits and overcoats. 227,788; May 11.
Graham, Edward A., doing business as Alfred Graham & Co., London, England. Electrical transformers and rectifiers. 226,586; May 11.
Graham, Edward A., doing business as Alfred Graham & Co., London, England. Apparatus for the production and re-production of sound. 226,896; May 11.
Great Northern Paper Company, Millinocket, Me. Magazine published intermittently. 228,753; May 11.
Groblewski, Albert G., & Co., Incorporated, Plymouth, Pa. Medicine for the alleviation of indigestion, dyspepsia, and liver complaint. 210,841; May 11.
Haas Brothers, San Francisco, Calif. Canned fruits and vegetables, fresh deciduous and citrous fruits, fresh vegetables. 213,236; May 11.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and dress, negligee, and work shirts. 210,790; May 11.
Hassendeubel Grocery Company, The, St. Louis, Mo. Canned fruits, vegetables, and sea food. 227,582; May 11.
Heath Radio & Electric Mfg. Co., Newark, N. J. Radio receiving, detecting, and transmitting apparatus, and parts consisting of dials, tube sockets, etc. 225,785; May 11.
Hemenway Company, The, Chicago, Ill. Portable kitchen cabinets for tourists. 225,187; May 11.
Henderson, F. C., Company, Boston, Mass. Stencils or transfers affixed to the piano cases. 225,921; May 11.
Hengerer, William, Company, The, Buffalo, N. Y. Hosiery. 219,430; May 11.
Henninger, A. F., Corp., Chicago, Ill. Radio receiving sets and parts thereof. 226,485; May 11.
Huntington Laboratories, Inc., Huntington, Ind. Soap. 225,193; May 11.
Hussey, Kenneth P., and J. H. Finn, doing business as Churn Products Company, Los Angeles, Calif. Butter. 221,665; May 11.
International Filter Co., Chicago, Ill. Water-softening materials. 229,630; May 11.
Ismert-Hincke Milling Company, Kansas City, Kans., and Kansas City, Mo. Wheat flour. 228,377–8; May 11.
Jain-Sol Clothing Co., New York, N. Y. Overcoats, topcoats, suits, etc. 228,545; May 11.
Jodra Manufacturing Company. (See Jones, Avoca.)
Jones, Avoca, doing business as Jodra Manufacturing Company, Seattle, Wash. Radio loud speakers and radio phonograph adapters. 227,272; May 11.
Justin Neckwear Co., Denver, Colo. Neckties. 228,819; May 11.
Kibbe Brothers Company, Springfield, Mass. Chocolate bars. 229,237; May 11.
Kirk, James S., & Company, Chicago, Ill. Soap. 228,990; May 11.
Kleinert, I. B., Rubber Company, New York, N. Y. Combination waist and baby pants. 228,471; May 11.
Klink Citrus Association, Ivanhoe, Calif. Oranges, lemons, and grapefruit. 216,916; May 11.
Kohn, L., & Sons Meat and Grocery Company, doing business as The Kohn Stores, St. Louis, Mo. Coffee, butter, and food-flavoring extract of lemon and vanilla. 228,281; May 11.
Kold-Flu Co., Denison, Tex. Preparation for coughs, colds, and influenza. 228,656; May 11.
Kolynos Co., The, New Haven, Conn. Soap. 229,113; May 11.
Koski and Vare, Brooklyn, N. Y. Metal polish. 228,708; May 11.
Kut-Zm Mfg. Co. (See Budde, Joseph H.)
L and W Land Company, Watsonville, Calif. Lettuce and fresh berries. 224,028; May 11.
Ladish-Stoppenbach Company, The, doing business as The Ladish Company, Milwaukee, Wis. Chick-starter mash, egg mash with buttermilk, etc. 204,177; May 11.
Langsdorf, S., & Co. Inc., New York, N. Y. Gold-decorated toilet and manicure sets and individual items thereof, and puff boxes, jewel cases, etc. 228,431; May 11.
Larsen Company, The, also doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Canned mixed vegetables. 228,913; May 11.
Leggett, Francis H., & Company, New York, N. Y. Baking chocolate unsweetened. 215,154; May 11.
Lemonaise Company, Bowling Green, Ky. Salad dressing and relishes having a base of lemon emulsion. 227,588; May 11.
Lepel Ignition Corporation, New York, N. Y. Spark plugs, timers, magnetos, electric switches, etc. 228,548; May 11.
Lerner, Leopold, doing business as The Metropolitan Neckwear Co., New York, N. Y. Neckties. 229,447; May 11.
Les Etablissements Poulenc Frères, Paris, France. Tartar of antimony and of sodium. 213,309; May 11.
Leswate Chemical Co. Inc., New York, N. Y. Flesh-reducing tablets. 228,434; May 11.
Lind, Jenny, Louisville, Ky. Women's dresses, coats, and hats. 212,440; May 11.
Lionel Trading Co. Inc., New York, N. Y. Perfumes, toilet waters, face lotions, face creams and powders, rouges, and lip stick. 229,572; May 11.
Lortex Company, The, New York, N. Y. Shirtings, dress goods, and drapery fabrics in the piece. 190,311; May 11.
Louisiana Paper Company, Ltd., doing business as Louisiana Hosiery & Notion Co., Shreveport, La. Hosiery. 229,573; May 11.
Lowe Brothers Company, The, Dayton, Ohio. Lacquer for furniture, woodwork, toys, and similar surfaces. 222,513; May. 11.
Magee, John E. F., Company, Boston, Mass. Welsh rarebit. 228,551; May 11.
Massillon Steel Casting Company, The, Massillon, Ohio. Steel castings. 226,778; May 11.
Mayborn Food Products Co., The, Cleveland, Ohio. Food flavorings. 228,051; May 11.
Metropolitan Neckwear Co., The. (See Lerner, Leopold.)
Meyer & Gross, Newark, N. J. Finger rings. 229,048; May 11.
Michigan Brush Manufacturing Co. Inc., Detroit, Mich. Brushes. 228,720; May 11.
Miller Products Company, Portland, Oreg. Fungicide preparation. 228,659; May 11.
Mills, H. E., Limited, London, England. Mackintoshes and showerproof coats, cloaks, capes, and suits. 224,468; May 11.
Molassine Company, Limited, The, London and East Greenwich, England. Food for dogs and cats. 226,251; May 11.
Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with cold water and used as a decorative wall coating. 225,835; May 11.
N. D. Q. Specialty Corporation, Brooklyn, N. Y. Candy chicks, rabbits, pumpkins, turkeys, and candy specialties. 227,465; May 11.
National Food Company, McPherson, Kans. Breakfast food. 225,936–7; May 11.
National Ice Cream Co., Louisville, Ky. Ice cream. 226,499; May 11.
New York Merchandise Company, New York, N. Y. Hair nets. 229,689–90; May 11.
Noyes, Mildred J., doing business as Maude Rhodes Weaving Shop, Arden, Del. Hand-woven cloth. 226,253; May 11.
Nu Bone Corset Company, Erie, Pa. Corsets. 224,345; May 11.
Pacific Fish Co., San Francisco, Calif. Canned fish. 222,087; May 11.
Packers Sales Company Inc., South Omaha and Oxford, Nebr. Stock feed. 227,962; May 11.
Paper Products Manufacturing Company, Swarthmore, Pa. Paper napkins. 228,065; May 11.
Parfumerie Roger et Gallet, Paris, France. Soaps, soap pastes, and soap powders. 228,437; May 1.
Parfumerie Roger et Gallet, Paris, France. Soaps, soap pastes, and soap powders. 228,439; May 11.
Parfumerie Roger et Gallet, Paris, France. Soaps, soap pastes, and soap powders. 229,254; May 11.
Park City Cornice Works, Incorporated, Bridgeport, Conn. Skylights, skylight lifts, and built-in roof ventilators. 225,940; May 11.
Patch, E. L., Company, The, Stoneham, Mass. Medicinal ingredient for poultry. 197,109; May 11.
Patstone, Arthur L., doing business as Aywon Storage Battery Co., Quincy, Mass. Radio apparatus, electric horns for vehicles, etc. 208,359; May 11.
Philadelphia Knitting Mills Company, Philadelphia, Pa. Hosiery. 229,196; May 11.
Pilot Electric Manufacturing Co., Inc., Brooklyn, N. Y. Vernier dials for use in radio receiving sets. 225,034; May 11.
Pogm Co. Inc., The, Malden, Mass. Nut-jam spreads for sandwiches. 226,823; May 11.
Portland Flour Mills Co., San Francisco, Calif. Wheat flour. 215,654; May 11.
Professional Press, Inc., The, Chicago, Ill. Magazine publication (monthly). 228,078; May 11.
Proser Bros. Inc., New York, N. Y. Men's overcoats and suits. 228,774–5; May 11.
Puritan Mills, Atlanta, Ga. Self-rising flour. 228,483; May 11.
Ratodex, Inc., Chicago, Ill. Loose-leaf card system. 208,011; May 11.
Regent Radio Corporation, New York, N. Y. Radio receiving sets. 226,786; May 11.

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Rhodes Manufacturing Company, St. Louis, Mo. Razors, razor blades, and mechanical razor strops. 223,659; May 11.
Rhodes, Maude, Weaving Shop. (See Noyes, Mildred J.)
Rickenbacker Motor Company, Detroit, Mich. Automobiles. 227,966; May 11.
Ridenour-Baker Grocery Company, Kansas City, Mo. Men's and boys' overalls, jackets, men's pants, work shirts, dress shirts, etc. 229,587; May 11.
Rohm & Haas Co., Inc., Philadelphia, Pa. Combined dyes and finish colors. 224,725; May 11.
Royer Shoe Company, The, Brockton, Mass. Shoes. 211,229; May 11.
Rutley's, Incorporated, New York, N. Y. Candy, cake, bread, salad dressing, etc. 225,806–7; May 11.
Ry-Krisp Company, The, Minneapolis, Minn. Rye Breakfast food. 227,690; May 11.
Saxe, Adolph J., Hollywood, Calif. Jig-saw and cut-out puzzles. 227,335; May 11.
Schreier, Konrad, Co., The, Sheboygan, Wis. Bread improver made from wheat. 228,116; May 11.
Security Mills, Inc., Newton, Mass., and New York, N. Y. Dresses and hats for women and children and coats, suits, sweaters, sport coats, jackets, and slip-ons. 229,470; May 11.
Security Mills, Inc., Newton, Mass., and New York, N. Y. Dresses and hats for women and children and coats, suits, sweaters, sports coats, jackets, and slip-ons. 229,472; May 11.
Serv-El Corporation, Evansville, Ind. Electric refrigerators, parts, systems, and filters. 222,960; May 11.
Seufert Brothers Company, The Dalles, Oreg. Canned fish. 224,427; May 11.
Seufert Brothers Company, The Dalles, Oreg. Canned fish and fruits. 224,430–1; May 11.
Sewall Paint and Varnish Company, Kansas City, Mo. Paint in paste and semipaste form, paint enamels, varnishes, and liquid celluloid coatings. 224,156; May 11.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Silks and silk and cotton goods in the piece. 229,301; May 11.
Sinagnan, Frances, & Cie., New York, N. Y. Chocolate and candy. 228,501; May 11.
Smith, Mildred A., doing business as Bat-Les Lite Company, Albany, N. Y. Portable electric lights, electric hand lanterns, electric flash lights, etc. 225,452; May 11.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 227,799; May 11.
Son-Rize Laboratories. (See Touchton, Charles F.)
Southeastern Flour Co., Atlanta, Ga. Plain and self-rising flour. 228,503; May 11.
Star Baking Company, The, Wilmington, Del., and Cleveland, Ohio. Bread, cakes, and rolls. 227,607; May 11.
Sturdy Manufacturing Co., The, Stroudsburg, Pa. Preparation for finishing slate, stone, glass, tile, etc. 210,630; May 11.
Summit Varnish Company, Summit, Ill. Ready-mixed paints, varnishes, and prepared shellac. 198,482; May 11.
Swift and Company, Chicago, Ill. Butter, eggs, and cheese. 228,625; May 11.
Swindell Brothers, Baltimore, Md. Glass bottles. 212,760; May 11.
Tar Products Corporation, Providence and East Providence, R. I. Insecticide. 229,599–600; May 11.
Taylor, Walter P., New York, N. Y. Scarfs and neckties. 229,529; May 11.
Teale, Wilbur, Seattle, Wash. Oil burners. 227,484; May 11.
Tennessee Valley Creamery Company, Knoxville, Tenn. Butter. 227,972; May 11.
Ternstedt Manufacturing Company, Detroit, Mich. Automobile body hardware. 198,542; May 11.
Terol, Hijo De C. G., Alcoy, Spain. Cigarette paper. 227,829; May 11.
Touchton, Charles F., doing business as Son-Rize Laboratories, Dade City, Fla. Medicine for coughs, colds, hoarseness, etc. 199,911; May 11.
Trayco Co., The, New York, N. Y. Mufflers and scarfs of woven material. 229,421; May 11.
Union Company, Inc., The, Columbus, Ohio. Hosiery. 229,363; May 11.
United States Whip Company, The, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 226,579; May 11.
Utica Knife and Razor Company, Utica, N. Y. Razors, shears, and hair clippers. 207,158; May 11.
Van Vleck, Jeannette, Brothers, Great Barrington, Mass. Antique furniture. 217,754; May 11.
Waterbury Battery Co., The, Waterbury, Conn. Primary batteries and parts thereof. 228,788; May 11.
Weinreich, David J., doing business as Joseph Weinreich, Dayton, Ohio. Cigars. 226,871; May 11.
Western States Wool Corporation, Los Angeles, Calif. Wool-scouring compound. 229,485; May 11.
White Mule, Inc., Carbondale, Ill. Vehicle body cleaner and polish. 227,207; May 11.
Williams, W. B., Inc., Montclair, N. J. Silver, aluminum, metal, and stove polish. 229,262; May 11.
Windsor, Lester D., doing business as L. D. Windsor Co., Salisbury, Md. Medical preparations. 229,367; May 11.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal alterative and reconstructive tonic. 229,607; May 11.
Zerman, Robert, doing business as Robert Zerman Company, New York, N. Y. Boys' blouses, shirts, and pyjamas. 221,223; May 11.
Zimmerman Baking Company, The, Colorado Springs, Colo. Bread. 223,424–5; May 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Roden Coal Company. 212,740; May 11; Serial No. 223,943; published Jan. 12, 1926.

CLASS 5.

Paste, Thin. M. Witmark & Sons. 212,743; May 11; Serial No. 220,268; published Feb. 16, 1926.
Tire patch. C. J. Livengood. 212,687; May 11; Serial No. 223,310; published Feb. 16, 1926.

CLASS 6.

Ammonia. Frank E. Harris Co. 212,578; May 11; Serial No. 224,401; published Feb. 23, 1926.
Ammonia. Frank E. Harris Co. 212,630; May 11; Serial No. 224,403; published Feb. 23, 1926.
Ammonia. Frank E. Harris Co. Inc. 212,713–14; May 11; Serial No. 224,399–400; published Feb. 23, 1926.
Anesthetics. Farbwerke vorm. Meister Lucius & Brüning. 55,744; renewed Aug. 21, 1926.
Antiseptic in tablet form. Le Frane Laboratories, Inc. 212,814; May 11.
Antiseptic tablets. D. H. Lamke. 212,662; May 11; Serial No. 225,611; published Feb. 23, 1926.
Atropine sulphate, iron and ammonia citrate, magnesium sulphate, etc. Associated Physicians Laboratories. 212,598; May 11; Serial No. 228,881; published Mar. 2, 1926.
Bath salts. Darling Products, Inc. 212,811; May 11; Serial No. 226,048; published Mar. 2, 1926.
Bluing. Frank E. Harris Co. Inc. 212,697–8; May 11; Serial Nos. 224,404–5; published Feb. 23, 1926.
Castor-oil emulsion. F. J. Feldhahn. 212,803; May 11; Serial No. 226,189; published Mar. 2, 1926.
Chemical preparation to clear rain water. Crates & Bowen. 55,811; renewed Aug. 21, 1926.
Chlorine, sulphur chloride, carbon bisulphide, etc., Liquid. Brown Company. 212,640; May 11; Serial No. 221,348; published Feb. 23, 1926.
Cinchona alkaloids, Derivatives of. Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung. 54,088; renewed June 19, 1926.
Composition for the treatment of goiter. Dr. P. Bommarito. 212,727; May 11; Serial No. 225,866; published Feb. 23, 1926.
Cough lozenges. E. C. Rich, Inc. 212,729–30; May 11; Serial Nos. 225,847–8; published Feb. 23, 1926.
Cough remedies. M. Amstutz. 212,749; May 11; Serial No. 219,160; published Feb. 23, 1926.
Cough remedy. J. Futterman. 212,734; May 11; Serial No. 225,656; published Feb. 23, 1926.
Cough sirup. Frank E. Harris Co. 212,631; May 11; Serial No. 224,384; published Feb. 23, 1926.
Cream, analgesic, etc., Complexion, massage, and combination. P. P. Lee. 212,745; May 11; Serial No. 221,328; published Feb. 23, 1926.
Cream and hairdressing pomade, Cold. J. A. Martin. 212,672; May 11; Serial No. 209,854; published Apr. 28, 1925.
Cream, Healing. M. H. Williams. 212,805; May 11; Serial No. 226,268; published Mar. 2, 1926.
Creams, face powder, rouge, etc., Cold and almond. S. Glemby's Sons Co. 212,680; May 11; Serial No. 187,578; published Mar. 11, 1924.
Creams, face powders, bath powders, and oil astringents, Face. I. E. Boyle. 212,629; May 11; Serial No. 225,072; published Feb. 23, 1926.
Creosote and guaiacol. Hartmann & Hauers. 55,635; renewed Aug. 21, 1926.

Depilatory. H. Bizzoni. 212,647; May 11; Serial No. 225,547; published Feb. 23, 1926.
Disinfectants. T. D. Allen. 212,688; May 11; Serial No. 223,071; published Feb. 23, 1926.
Fungicide. California Rex Spray Co. 212,670; May 11; Serial No. 222,369; published Feb. 23, 1926.
Hairdressing and medicine for treating diseases of the scalp. Conner & Walters Company. 212,690; May 11; Serial No. 222,011; published Feb. 23, 1926.
Hair dye. Nevagra Products, Inc. 212,582; May 11; Serial No. 224,935; published Feb. 23, 1926.
Insecticide. A. B. Ard. 212,726; May 11; Serial No. 225,907; published Feb. 23, 1926.
Insecticide. California Rex Spray Co. 212,637; May 11; Serial No. 222,368; published Feb. 23, 1926.
Insecticides. Goulard & Olena, Inc. 212,737; May 11; Serial No. 225,417; published Feb. 23, 1926.
Insecticides. Komo Chemical Co., Inc. 212,622; May 11; Serial No. 222,617; published Mar. 2, 1926.
Insecticides, deodorants, disinfectants, and antiseptic solutions. U. S. Technical Products Company. 212,627; May 11; Serial No. 225,152; published Feb. 23, 1926.
Insecticides, disinfectants, and deodorants. Niagara Alkali Company. 212,786; May 11; Serial No. 224,258; published Mar. 2, 1926.
Iron manganese peptone, Nonalcoholic solutions of. Chemische Fabrik Helfenberg A. G. vorm. Dieterich. 54,266; renewed June 26, 1926.
Jujubes and clear gums. E. C. Rich, Inc. 212,731; May 11; Serial No. 225,845; published Feb. 23, 1926.
Laxative chewing gum. G. Best. 212,597; May 11; Serial No. 223,995; published Jan. 26, 1926.
Laxative pills, arsenated-iron tablets, indigestion treatment, etc. C. K. Baer. 212,757; May 11; Serial No. 223,888; published Mar. 2, 1926.
Liniment, horse renovating powders, and colic remedies for horses. F. H. Wills. 212,712; May 11; Serial No. 225,459; published Feb. 23, 1926.
Liquid for treating the hair, toilet waters, hair color restorers, etc. P. Westphal. 212,585; May 11; Serial No. 225,050; published Feb. 23, 1926.
Liver renovators. F. J. Schmidt. 212,816; May 11.
Lotion for the treatment of corns and calli. Foot. R. M. Frische. 212,632; May 11; Serial No. 224,379; published Feb. 23, 1926.
Medical preparation for the treatment of skin diseases. F. M. de Morales. 212,755; May 11; Serial No. 224,181; published Mar. 2, 1926.
Medicament. Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung. 54,087; renewed June 19, 1926.
Medicinal preparation. Schering & Glatz, Inc. 212,733; May 11; Serial No. 225,680; published Feb. 23, 1926.
Medicinal tablets. Scientific Products, Inc. 212,812; May 11; Serial No. 226,081; published Mar. 2, 1926.
Medicine. Cephalgine Company. 53,242; renewed May 29, 1926.
Medicine. H. E. Storey. 212,694; May 11; Serial No. 224,060; published Feb. 23, 1926.
Medicine for rheumatism, toothache, stiff joints, etc. Andy Benedect & Sons. 212,633; May 11; Serial No. 224,228; published Feb. 23, 1926.
Medicine, Lung, throat, and bronchial. Baker Drug Company. 212,728; May 11; Serial No. 225,859; published Feb. 23, 1926.
Moth preventive. V. Manzke. 212,810; May 11; Serial No. 225,668; published Mar. 2, 1926.
Nonfreezing mixture to be used in the radiators of automobiles. Arctic Chemical Co. 212,634; May 11; Serial No. 224,129; published Feb. 23, 1926.
Oil, Medicinal. W. A. Bailey. 212,785; May 11; Serial No. 224,493; published Mar. 2, 1926.
Oils, Hair. M. M. Lerner. 212,756; May 11; Serial No. 223,966; published Mar. 2, 1926.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 212,626; May 11; Serial No. 225,408; published Feb. 23, 1926.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 212,738; May 11; Serial No. 225,409; published Feb. 23, 1926.
Perfume, toilet water, brilliantine, etc. Societe Anonyme Eugene Rimmel. 212,587–8; May 11; Serial Nos. 225,057–8; published Feb. 23, 1926.
Perfumes, rouge, face powder, face cream, and talcum powder. L. Becker. 212,736; May 11; Serial No. 225,501; published Feb. 23, 1926.
Perfumes, toilet waters, face powders and creams, etc. Betty Wales Inc. 212,679; May 11; Serial No. 224,496; published Feb. 23, 1926.
Pharmaceutical preparation for the eradication of intestinal worms in poultry. Burrell-Dugger Company. 212,741; May 11; Serial No. 224,952; published Feb. 23, 1926.
Pills, liniments, etc., nerve and kidney. Michigan Drug Co. 212,623; May 11; Serial No. 221,905; published Feb. 23, 1926.
Powder, Foot. L. J. Crosby. 212,615; May 11; Serial No. 218,473; published Dec. 29, 1925.
Powder, Reducing. P. M. Fox. 212,804; May 11; Serial No. 226,191; published Mar. 2, 1926.
Powders, creams, packs, toilet waters, rouges, Face. M. Kominsky. 212,815; May 11.
Powders, toilet waters, rouges, etc., Face. Maté, Inc. 212,806; May 11; Serial No. 226,296; published Mar. 2, 1926.
Preparation for the prevention and treatment of venereal diseases. Goodwin Laboratories, Incorporated. 212,784; May 11; Serial No. 225,090; Mar. 2, 1926.
Preparation for the treatment and prevention of indigestion, etc. Salfood Laboratories, Inc. 212,684; May 11; Serial No. 206,258; published Feb. 24, 1925.
Preparation for the treatment of narcotic drug addiction disease. Lipoidal Laboratories, Inc. 212,646; May 11; Serial No. 225,562; published Feb. 23, 1926.
Preparations for coughs, colds, etc. N. G. Diener. 212,809; May 11; Serial No. 225,255; published Mar. 2, 1926.
Preventive of pyorrhea and all mouth infections. National Radium Laboratories, Inc. 212,628; May 11; Serial No. 225,099; published Feb. 23, 1926.
Salt for the treatment of nutritional disorders, Effervescent. Upjohn Company, 212,807; May 11; Serial No. 226,314; published Mar. 2, 1926.
Salve. M. E. Sutherland. 212,802; May 11; Serial No. 209,552; published Feb. 23, 1926.
Serum. E. Merck. 54,995; renewed Aug. 7, 1926.
Soda ash, caustic soda, bicarbonate of soda, etc. Nippon Dry Goods Company. 212,691; May 11; Serial No. 221,500; published Feb. 23, 1926.
Sodium theobromate and sodium salicylate, Preparations of. Knoll & Co. 55,753; renewed Aug. 21, 1926.
Spirits of camphor. Frank E. Harris Co. 212,711; May 11; Serial No. 224,393; published Feb. 23, 1926.
Tallow, Mutton. H. L. McQueen. 212,702; May 11; Serial No. 225,022; published Feb. 23, 1926.
Tallow, Mutton. H. L. McQueen. 212,725; May 11; Serial No. 225,023; published Feb. 23, 1926.
Tonic and intestinal eliminant. L. A. Hopkins Medicine Co. 212,813; May 11.
Tonic elixir of iron. Walter Lewis Company. 212,635; May 11; Serial No. 223,950; published Feb. 23, 1926.
Tonic for indigestion. Johnson Pharmacy. 212,864. May 11.
Tonics, Antimalarial. Wintersmith Medicine Co. 51,180; renewed Apr. 3, 1926.

CLASS 9.

Cartridges, Rifle. Western Cartridge Company. 212,602; May 11; Serial No. 222,896; published Mar. 2, 1926.
Matches. National Grocer Company. 212,601; May 11; Serial No. 222,992; published Mar. 2, 1926.

CLASS 10.

Humus or decayed vegetable matter. American Humus Company. 212,591; May 11; Serial No. 224,270; published Feb. 23, 1926.

CLASS 11.

Typewriter ribbons. Thurston Cutting Corporation. 212,732; May 11; Serial No. 225,817; published Feb. 23, 1926.

CLASS 12.

Flooring, Hardwood. E. A. Howard. 212,865; May 11.
Tiles, tile door frames, etc. Grueby Faience and Tile Company. 211,603; May 11; Serial No. 222,675; published Jan. 19, 1926.

CLASS 13.

Antiskid chains for automobiles and mud hooks. Universal Skid-less Chain Company. 212,794; May 11; Serial No. 221,724; published Mar. 2, 1926.
Brushes, Supports for. A. K. Trout Co. 212,820; May 11.
Cable joints, Joint-filling nipples for sleeves of electric-. Engineering Products Corporation, Inc. 212,789; May 11; Serial No. 223,289; published Mar. 2, 1926.
Metal fence posts. American Steel and Wire Company of New Jersey. 212,800; May 11; Serial No. 213,352; published Mar. 2, 1926.
Shank stiffeners for leather shoes, Metal. F. G. Delbon. 212,625; May 11; Serial No. 192,173; published Dec. 2, 1924.
Valves. Duro Pump and Manufacturing Company. 212,618; May 11; Serial No. 220,510; published Mar. 2, 1926.
Wire fencing, spiral wire pickets, hitching posts, etc., Woven-. Cyclone Fence Company. 212,792; May 11; Serial No. 223,117; published Mar. 2, 1926.

CLASS 14.

Forgings, Drop. Harrisburg Pipe & Pipe Bending Co. 212,592; May 11; Serial No. 224,245; published Mar. 2, 1926.
Gold and silver leaf mounted on a roll of paper, Imitation. Peerless Roll Leaf Co. 212,579; May 11; Serial No. 224,352; published Mar. 2, 1926.
Iron and steel. Uddeholms Aktiebolag. 212,593; May 11; Serial No. 224,214; published Feb. 23, 1926.
Iron, Iron, and Bessemer Iron, Bar. Udderholms Aktiebolag. 212,594; May 11; Serial No. 224,213; published Feb. 23, 1926.
Iron, Iron, and steel, Pig. Uddeholms Aktiebolag. 212,595; May 11; Serial No. 224,212; published Feb. 23, 1926.

Lead, solder, and babbitt, and metals and metal alloys. American Smelting & Refining Company. 212,575; May 11; Serial No. 224,739; published Feb. 23, 1926.
Metals or alloys, Antifriction. Magnolia Metal Company. 54,717; renewed June 26, 1926.
Steel and Iron in bar, rod, rail, sheet, and wire. Seebohm & Dieckstahl Ld. 54,765; renewed June 26, 1926.
Steel, Drill. Ziv Steel and Wire Company. 212,827; May 11.
Steel, except steel balls, Cast. W. T. Beesley & Co. Limited. 55,106; renewed Aug. 7, 1926.
Steel forms. Hotchkiss Steel Products Co. 212,610; May 11; Serial No. 214,868; published Mar. 2, 1926.
Steel in bars, plates, rods, and wire. Hobson Houghton & Co. Limited. 54,661; renewed June 26, 1926.
Steel sheet. Youngstown Sheet and Tube Company. 212,718–9; May 11; Serial Nos. 224,687–8; published Jan. 26, 1926.
Welding rods. Oxweld Acetylene Company. 212,573; May 11; Serial No. 224,828; published Feb. 23, 1926.

CLASS 15.

Graphite, Lubricating. United States Graphite Co 55,468; renewed Aug. 14, 1926.
Oils, Lubricating. Atlantic Refining Company. 53,715 renewed June 12, 1926.

CLASS 17.

Cigar clippings. C. H. Lawrence. 55,157; renewed Aug 7, 1926.

CLASS 19.

Automobiles, Constructive parts of. Guaranteed Auto Parts Co. 212,834; May 11.
Brakes, braking systems, and parts thereof for motor vehicles. Timken-Detroit Axle Company. 212,826; May 11.

CLASS 21.

Batteries and their accessories. Southland Battery Company. 212,639; May 11; Serial No. 221,856; published Feb. 23, 1926.
Batteries, Storage. Durkee, Thomas Products Co. 212,838; May 11.
Electric cords and cables, Portable. Central Electric Company. 212,717; May 11; Serial No. 224,549; published Feb. 23, 1926.
Electric socket pulls. Bead Chain Manufacturing Company. 212,841; May 11.
Electric water heaters, air heaters, hot plates, etc. W. W. Hicks. 212,754; May 11; Serial No. 224,189; published Feb. 23, 1926.
Electrical automobile horns. Sparks-Withington Company. 212,857; May 11.
Electrical condensers, radiofrequency transformers, etc., Variable. Dubilier Condenser & Radio Corporation. 212,856; May 11.
Grid leaks and condensers. Micamold Radio Corp. 212,707; May 11; Serial No. 219,830; published Feb. 23, 1926.
Lamps adapted for combination with clocks, electric. I. G. Scott. 212,845; May 11.
Lamps, Table and bridge. C. A. Herman. 212,836; May 11.
Magnetos, coils, combination magneto and generator, etc. Eisemann Magneto Corporation. 212,847; May 11.
Plugs, brush-holder insulation, cable terminals, commutators, etc., Attachments. Bakelite Corporation. 212,67- 11; Serial No. 212,529; published Feb. 23, 19-
Radio apparatus. Lincoln Radio Corporation. 212,722; May 11; Serial No. 224,874; published Feb. 23, 1926.
Radio apparatus. American Bosch Magneto Corporation. 212,851; May 11.
Radio receiving apparatus and adjuncts or portions thereof. W. H. Huth. 212,678; May 11; Serial No. 217,619; published Feb. 23, 1926.
Radio receiving sets. Conrad Allen Radio Company. 212,709; May 11; Serial No. 223,503; published Feb. 23, 1926.
Radio receiving sets. E. Fleming & Co. 212,758; May 11; Serial No. 223,778; published Feb. 23, 1926.
Radio receiving sets. Chas. Freshman Company. 212,671; May 11; Serial No. 207,006; published Feb. 23, 1926.
Radio receiving sets and component parts thereof. Machine Specialty Company. 212,783; May 11; Serial No. 225,127; published Mar. 2, 1926.
Radio receiving sets and parts. W. F. Kuhn. 212,673; May 11; Serial No. 216,127; published Feb. 23, 1926.
Radio receiving sets, loud speakers, plugs, etc. Electrical Research Laboratories, Inc. 212,709; May 11; Serial No. 223,376; published Feb. 23, 1926.
Radiotubes. Sylvania Products Company. 212,808; May 11; Serial No. 225,247; published Mar. 2, 1926.
Radio tuning dials. Radiall Company. 212,742; May 11; Serial No. 219,557; published Feb. 23, 1926.
Switch plates. Switch Plate Corporation. 212,675; May 11; Serial No. 213,051; published Feb. 9, 1926.
Switch plates, Glass. Schwerin Electrical Appliance Corp. 212,835; May 11.
Switches, Mercury. Arcless Contact Company. 212,849; May 11.

CLASS 23.

Bobbin holders. Murdock & Geb Co. 212,852; May 11.
Core drills, disk-bit shanks, fishtail bits, etc. Allen and Courtney Oil Tool Company. 212,667; May 11. Serial No. 218,589; published Mar. 2, 1926.
Cultivators, Heel sweeps for. Columbus Iron Works Co. 212,735; May 11; Serial No. 225,648; published Feb. 23, 1926.
Engines and rams, Hydraulic. Rife Hydraulic Engine Mfg Co. 212,696; May 11; Serial No. 224,205; published Mar. 2, 1926.
Filters, Oil. Motor Improvements, Inc. 212,659; May 11; Serial No. 222,333; published Feb. 16, 1926.
Hammers, hatchets, axes, etc. George Tritch Hardware Company. 212,720; May 11; Serial No. 224,755; published Feb. 23, 1926.
Jacks, Fluid and hydraulic. Oil Jack Company. 212,686; May 11; Serial No. 222,541; published Mar. 2, 1926.
Machinery, Hat. United States Hat Machinery Corporation. 212,638; May 11; Serial No. 222,052; published Mar. 2, 1926.
Motors and parts thereof, Internal-combustion. Adolph Saurer, Inc. 212,641; May 11; Serial No. 220,680; published Mar. 2, 1926.
Pistons. Permite Piston Co. 212,703; May 11; Serial No. 225,053; published Mar. 2, 1926.
Pliers and wrenches. GripnStik Co. 212,705; May 11; Serial No. 204,454; published Feb. 23, 1926.
Razors, knives, and forks. Thos. R. Cadman & Sons. 55,078; renewed Aug. 7, 1926.
Sewing machines. National Sewing Machine Company. 212,828–9; May 11.
Sewing machines and their parts and attachments. Wheeler & Wilson Manufacturing Company. 55,999; renewed Aug. 21, 1926.
Sewing machines and their parts and attachments. Wheeler & Wilson Manufacturing Company. 56,109; renewed Aug. 21, 1926.
Sewing machines, Electric. Free Sewing Machine Company. 212,636; May 11; Serial No. 222,739; published Mar. 2, 1926.
Sewing machines, parts, and attachments. Wheeler & Wilson Manufacturing Company. 58,866; renewed Aug. 21, 1926.
Shovels and cranes, Mobile power. Universal Crane Company. 212,642; May 11; Serial No. 213,152; published Mar. 2, 1926.
Slicers, Cake. E. H. Brooks. 212,693; May 11; Serial No. 223,572; published Mar. 2, 1926.
Turbines, Wind. Herbert E. Bucklen Corporation. 212,668; May 11; Serial No. 218,731; published Mar. 2, 1926.
Washers, an apparatus for washing carrots, turnips, etc., Root. Frank Held Tractor Co. 212,669; May 11; Serial No. 223,034; published Mar. 2, 1926.
Wax distributor and floor polisher. Peerless Products Company. 212,677; May 11; Serial No. 215,092; published Jan. 19, 1926.
Wrenches, power grinders, and sickle attachments American Grinder Manufacturing Co. 212,682; May 11; Serial No. 197,181; published Oct. 7, 1924.

CLASS 24.

Ironing boards. Illinois Specialty Co. 212,839; May 11.
Laundry machinery. Invincible Laundry Equipment Co. 212,721; May 11; Serial No. 224,822; published Feb. 23, 1926.

CLASS 25.

Locks, lock cylinders, latches, and catches. Reading Hardware Company. 212,824; May 11.

CLASS 26.

Cinematographic apparatus. J. A. Rignon. 212,614; May 11; Serial No. 218,033; published Feb. 23, 1926.
Gauges for steam boilers, tanks, reservoirs, and other liquid containers. G. Ernst. 212,788; May 11; Serial No. 223,777; published Mar. 2, 1926.
Gauges, Liquid-level. King-Seeley Corporation. 212,643; May 11; Serial No. 223,042; published Feb. 16, 1926.
Gauges, Liquid-level. King-Seeley Corporation. 212,685; May 11; Serial No. 223,043; published Feb. 16, 1926.
Picture films, Motion-. Film Booking Offices of America, Inc. 212,676; May 11; Serial No. 213,561; published Feb. 16, 1926.
Scales, Weighing. Sanitary Scale Company. 212,830; May 11.

CLASS 27.

Clocks, clock cases, clock movements, and parts thereof. Hamburg-Amerikanische Uhrenfabrik. 56,169; renewed Aug. 28, 1926.
Watch movements and watchcases. Illinois Watch Case Company. 212,846; May 11.
Watch movements and watchcases. Illinois Watch Case Co. 212,863; May 11.
Watches, watchcases, and parts of watches. R. H. Jones & Sons. 212,768; May 11; Serial No. 203,131; published Feb. 23, 1926.
Watches, watchcases, watch movements, and parts thereof. I. Tannenbaum. 212,823; May 11.
Watches, watch movements, clocks. Aseba. 212,710; May 11; Serial No. 223,987; published Feb. 23, 1926.

CLASS 28.

Buttons, cuff links, watch, neck, and belt chains, etc., Collar. Vogel Brothers Company. 212,844; May 11.
Jewelry, silver dresser sets, and silver tableware. Best & Co. 212,762; May 11; Serial No. 223,277; published Feb. 23, 1926.
Precious metal, Articles made wholly or in part of. Robbins Company. 212,793; May 11; Serial No. 222,191; published Mar. 2, 1926.
Precious stones, necklaces, pearls, etc. Elliot, Greene & Co. 212,716; May 11; Serial No. 224,505; published Feb. 23, 1926.
Rings, Finger. Bristol Seamless Ring Company. 212,843; May 11.
Rings, Finger. R. E. Naumburg. 212,658; May 11; Serial No. 224,571; published Feb. 23, 1926.
Rings, Wedding. Untermeyer, Robbins & Co. 212,860; May 11.
Silver and plated ware. William Hutton and Sons, Limited. 55,386; renewed Aug. 14, 1926.

CLASS 29.

Brushes, Painters'. Atlas Brush Corporation. 212,706; May 11; Serial No. 210,877; published Nov. 3, 1925.

CLASS 30.

Pottery. North State Pottery Company. 212,583; May 11; Serial No. 225,028; published Mar. 2, 1926.

CLASS 32.

Bed springs. Perfection Mattress and Spring Co. 212,699; May 11; Serial No. 224,422; published Feb. 16, 1926.
Filing cabinets, cupboards, stands, etc. Library Bureau. 212,801; May 11; Serial No. 211,688; published Mar. 2, 1926.
Furniture, Folding camp. Douglas Manufacturing Company. 212,695; May 11; Serial No. 224,082; published Feb. 9, 1926.
Furniture, Nursery. Best & Co. 212,790; May 11; Serial No. 223,278; published Mar. 2, 1926.
Mattresses. A. Brandwein & Co. 212,747; May 11; Serial No. 224,651; published Feb. 9, 1926.
Pillows, fancy cushions, chair seats, and automobile cushions. L. I. Katzner. 212,795; May 11; Serial No. 221,119; published Mar. 2, 1926.
Radio cabinets, casings, containers, tables, and supports. C. S. Beardsley. 212,799; May 11; Serial No. 219,368; published Mar. 2, 1926.

CLASS 33.

Mirror plates. Semon Bache & Company. 56,329; renewed Sept. 11, 1926.

CLASS 34.

Stoves, Camp. Kaufmann Department Stores, Inc. 212,850; May 11;
Welding, cutting, brazing, soldering, lead burning, and carbon burning, and parts thereof, Equipment for. Bastian-Blessing Company. 212,613; May 11; Serial No. 217,853; published Mar. 2, 1926.

CLASS 35.

Hose, Cotton rubber-lined. Eureka Fire Hose Co. 51,708; renewed Apr. 24, 1926.
Hose, Cotton rubber-lined. Eureka Fire Hose Co. 51,886; renewed Apr. 24, 1926.
Hose, Fabric. Eureka Fire Hose Company. 53,167–8; renewed May 29, 1926.
Hose, Hydraulic. B. L. Stowe. 28,419; renewed June 23, 1926.

CLASS 36.

Band instruments, Brass. Henry Stadlmair Co. Inc. 212,842; May 11.
Banjos and band instruments, Tenor. Progressive Musical Instrument Corporation. 212,855; May 11.
Motors, turntables, tone arms, reproducers, and parts thereof for phonographs. Paragon Phono Parts Manufacturing Co. 212,759; May 11; Serial No. 223,542; published Feb. 23, 1926.
Organs or harmonicas, accordions, and pitch pipes, Mouth. M. Hohner, Inc. 212,853; May 11.
Phonograph sound boxes. S. Eshborn. 212,683; May 11; Serial No. 198,629; published Dec. 23, 1924.
Pianos, Grand reproducing. C. Kurtzmann & Co. 212,861; May 11.
Pianos, player pianos, and reproducing pianos. Hardman, Peck & Co. 212,715; May 11; Serial No. 224,457; published Feb. 23, 1926.

CLASS 38.

Photographs. Bachrach, Incorporated. 212,832; May 11.

CLASS 39.

Apparel, Children's wearing. Mirsky & Lewis. 212,777; May 11; Serial No. 217,947; published Mar. 2, 1926.
Apparel, Ladies' wearing. Triangle Apparel Co. 212,752; May 11; Serial No. 224,305; published Mar. 2, 1926.
Boots and shoes, Leather. Evans Shoe Co. 56,411; renewed Sept. 25, 1926.
Clothing, Work. Wyman, Partridge & Co. 212,781; May 11; Serial No. 224,370; published Mar. 2, 1926.
Coats, Ladies' and misses' sport. Kirshner & Alexander. 212,663; May 11; Serial No. 225,610; published Mar. 2, 1926.
Coats, vests, pants, overcoats, and topcoats, Men's. Londontown Clothes, Inc. 212,660; May 11; Serial No. 225,830; published Mar. 2, 1926.
Coats, vests, pants, sweaters, etc. F. R. Tripler & Co. 212,769; May 11; Serial No. 223,489; published Mar. 2, 1926.
Dresses. C. A. Hall. 212,776; May 11; Serial No. 218,637; published Mar. 2, 1926.
Dresses, Women's and misses'. Lindner Co'y. 212,818; May 11.
Hats, shoes, slippers, etc. Best & Co. 212,791; May 11; Serial No. 223,279; published Mar. 2, 1926.
Hosiery. Largman, Gray Company. 212,652; May 11; Serial No. 224,978; published Mar. 2, 1926.
Hosiery. Massachusetts Knitting Mills. 212,778; May 11; Serial No. 213,794; published Mar. 2, 1926.
Hosiery. Moore & Fisher, Inc. 212,645; May 11; Serial No. 225,567; published Mar. 2, 1926.
Hosiery. Peck & Peck. 212,637; May 11; Serial No. 224,617; published Mar. 2, 1926.
Hosiery. Peck & Peck. 212,780; May 11; Serial No. 224,618; published Mar. 2, 1926.
Hosiery. R. A. Pilcher Co. 212,661; May 11; Serial No. 225,731; published Mar. 2, 1926.
Hosiery. Theme Hosiery Company. 212,782; May 11; Serial No. 222,095; published Mar. 2, 1926.
Hosiery. N. J. Thompson & Co. 212,648; May 11; Serial No. 225,384; published Mar. 2, 1926.
Hosiery, underwear, and shoes. U-C-It Silk Hosiery Co. 212,763; May 11; Serial No. 222,965; published Mar. 2, 1926.
Overalls. S. H. Berman. 212,653; May 11; Serial No. 24,944; published Mar. 2, 1926.
Pants, suits, and overcoats, Men's. L. Latin & Company. 212,817; May 11.
Shirts. Cluett, Peabody & Co. 212,644; May 11; Serial No. 225,589; published Mar. 2, 1926.
Shirts. Cluett, Peabody & Co. 212,664–5; May 11; Serial Nos. 225,534–5; published Mar. 2, 1926.
Shirts. Cluett, Peabody & Co. 212,666; May 11. Serial No. 225,591; published Mar. 2, 1926.
Shirts. Cluett, Peabody & Co. 212,779; May 11; Serial No. 225,593; published Mar. 2, 1926.
Shirts. Elder Manufacturing Company. 212,773; May 11; Serial No. 192,212; published Mar. 2, 1926.
Shirts. Oberndorfer Company. 212,858; May 11.
Shirts, blouses, nightshirts, and pyjamas. S. Liebovitz & Sons Inc. 212,654; May 11; Serial No. 224,919; published Mar. 2, 1926.
Shirts, overalls, pants, sweaters, etc. Levi Strauss & Co. 212,766; May 11; Serial No. 211,216; published Mar. 2, 1926.
Shirts, pyjamas, and boys' blouses. S. Liebovitz & Sons Inc. 212,655; May 11; Serial No. 224,918; published Mar. 2, 1926.
Shirts, pyjamas, collars, neckties, etc. Howard A. Geiger Company. 212,774; May 11; Serial No. 188,629; published Mar. 2, 1926.
Shoes of fur and cloth, men's socks, men's knitted and textile underwear, etc., Men's. Kaufmann Department Stores, Inc. 212,848; May 11.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company. 212,854; May 11.
Suits made of textile fabric, Men's union. Morris & Company. 212,837; May 11.
Sweaters. Palm Knitting Co. 212,624; May 11; Serial No. 153,772; published May 15, 1923.
Ties, dress and negligee shirts, scarfs, bath robes, etc. Smith & Smith. 212,840; May 11.
Underwear and petticoats, Knitted and textile. Liberty Fabrics Corporation. 212,859; May 11.
Underwear, Children's nainsook. Florala Manufacturing Co. 212,787; May 11; Serial No. 224,085; published Mar. 2, 1926.
Underwear, Knitted and textile. G. J. Requardt. 212,797; May 11; Serial No. 202,079; published Mar. 2, 1926.

CLASS 42.

Blankets, Cotton. Beacon Manufacturing Company. 212,608; May 11; Serial No. 207,609; published Mar. 2, 1926.
Cloths and stuffs of wool, worsted, and hair. G. & G. Kynoch, Limited. 212,617; May 11; Serial No. 219,337; published Mar. 2, 1926.
Cotton piece goods. Denzer & Nathan, Inc. 212,605; May 11; Serial No. 205,995; published Mar. 2, 1926.
Cotton piece goods. Loeffler, Brewer & Co. 212,577; May 11; Serial No. 224,462; published Mar. 2, 1926.
Cotton piece goods. Meridian Textile Corporation. 212,621; May 11; Serial No. 226,107; published Mar. 2, 1926.
Cotton, silk, satin, and velvet piece goods. J. Einstein, Inc. 212,620; May 11; Serial No. 225,999; published Mar. 2, 1926.
Fabrics, all-worsted dress. Atlantic Mills. 212,819; May 11.
Fabrics in the piece, Pile. A. T. Baker & Co. 212,580–1; May 11; Serial Nos. 226,221–2; published Mar. 2, 1926.

Fabrics, Knitted and textile. Liberty Fabrics Corporation. 212,822; May 11.
Hair nets. H. Simon. 212,586; May 11; Serial No. 225,056; published Mar. 2, 1926.
Padding for laundry machinery rolls, Knitted cotton. Tingue, Brown & Co. 212,584; May 11; Serial No. 225,046; published Mar. 2, 1926.
Ribbon for securing bouquets of flowers, Gauze. O. Lion. 212,616; May 11; Serial No. 218,707; published Mar. 2, 1926.
Silk piece goods. Zollinger & Schroth, Inc. 212,590; May 11; Serial No. 225,004; published Mar. 2, 1926.

CLASS 44.

Absorbent material of fibrous character. E. B. Thomas. 212,574; May 11; Serial No. 224,787; published Feb. 23, 1926.
Aprons and sanitary elastic belts, Sanitary. I. Goldberg. 212,619; May 11; Serial No. 221,816; published Feb. 23, 1926.
Atomizers. C. H. Hartman. 212,607; May 11; Serial No. 207,352; published Mar. 2, 1926.
Belts and sanitary belts, Ladies' safety. E. H. Horwood & Co. 212,825; May 11.
Clips, Wound. Clay-Adams Company. 212,589; May 11; Serial No. 225,552; published Feb. 23, 1926.
Dental appliances. Ritter Dental Mfg. Co. 212,833; May 11.
Dental models and investments, Composition for making hard refractory. L. J. Weinstein. 212,600; May 11; Serial No. 223,206; published Mar. 2, 1926.
Lamps, Medical and surgical. J. J. Bekar. 212,604; May 11, Serial No. 203,749; published Jan. 5, 1926.
Toothpicks. Plee-Zing Corporation, The. 212,611; May 11; Serial No. 215,479; published Mar. 2, 1926.

CLASS 46.

Apples, Fresh. C. E. Rhodes. 212,612; May 11; Serial No. 215,707; published Jan. 5, 1926.
Biscuits. Standard Biscuit Company. 212,650; May 11; Serial No. 225,147; published Feb. 23, 1926.
Bran, Wheat. Pillsbury Flour Mills Company. 212,767; May 11; Serial No. 207,032; published Feb. 16, 1926.
Bread sticks and bread, Italian. Dan-Say Baking Co. Inc. 212,746; May 11; Serial No. 224,599; published Feb. 16, 1926.
Butter. Southern Dairies, Inc. 212,739; May 11; Serial No. 225,289; published Feb. 23, 1926.
Cakes, cookies, crackers, pies, and bread. V. Jones. 212,681; May 11; Serial No. 167,246; published Feb. 16, 1926.
Candy. Gipsy Trail Camp and Country Club, Inc. 212,765; May 11; Serial No. 212,919; published Oct. 13, 1925.
Canned fruits and vegetables, catchup, canned apple butter, etc. Mid-Mountain Fruit Co. 212,744; May 11; Serial No. 221,268; published Feb. 23, 1926.
Canned fruits, vegetables, condensed and evaporated milk, fish, coffee, etc. W. H. Pollard. 212,692; May 11; Serial No. 221,449; published Feb. 23, 1926.
Canned fruits, vegetables, fish, olives, candy, etc. Durand-McNeil-Horner Co. 212,704; May 11; Serial No. 191,816; published Feb. 23, 1926.
Canned fruits, vegetables, fish, vinegar, spices, etc. Lehmann-Higginson Grocer Company. 212,753; May 11; Serial No. 219,291; published Feb. 23, 1926.
Canned fruits, vegetables, milk, fish, and shellfish. P. Porter. 212,862; May 11.
Canned goods, salad dressing, etc. Shuster Gormley Company. 212,609; May 11; Serial No. 210,688; published Aug. 25, 1925.
Canned peaches. Libby, McNeill & Libby. 212,689; May 11; Serial No. 223,530; published Feb. 23, 1926.
Cereals, Breakfast. Wheatal Company. 212,748; May 11; Serial No. 224,851; published Feb. 16, 1926.
Cheese. Roethlisberger & Sohn. 212,764; May 11; Serial No. 221,773; published Feb. 16, 1926.
Chile con carne, tamales, preserves, apple pectin, blackberry pectin, etc. J. A. Gage. 212,821; May 11.
Chocolate, chocolates, cocoa, candies, and biscuits, Sweet. Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken. 212,656; May 11; Serial No. 224,776; published Feb. 23, 1926.
Doughnuts. E. S. Goldhill. 212,775; May 11; Serial No. 219,329; published Feb. 23, 1926.
Eggs and coffee. A. B. C. Stores, Incorporated. 212,798; May 11; Serial No. 203,774; published Mar. 2, 1926.
Feed, Dairy. Black & White Milling Company. 212,700; May 11; Serial No. 225,168; published Feb. 23, 1926.
Feed for livestock. Charleston Milling & Produce Company. 212,708; May 11; Serial No. 223,163; published Feb. 23, 1926.
Feed, Poultry. Black & White Milling Company. 212,649; May 11; Serial No. 225,167; published Feb. 23, 1926.
Feed, Stock and poultry. Corno Mills Company. 212,771; May 11; Serial No. 184,895; published Feb. 23, 1926.
Feed, Stock and poultry. Ubiko Milling Company. 212,770; May 11; Serial No. 165,901; published Feb. 23, 1926.
Flour, pancake. Pillsbury Flour Mills Company. 212,772; May 11; Serial No. 207,030; published Feb. 16, 1926.
Flour, Wheat. Burrus Mill and Elevator Co. 55,938; renewed Aug. 21, 1926.
Flour, Wheat. Model Mill Co. 212,701; May 11; Serial No. 225,271; published Feb. 23, 1926.
Flour, Wheat. Russell-Miller Milling Co. 212,651; May 11; Serial No. 224,990; published Feb. 16, 1926.
Flour, Wheat. Russell-Miller Milling Co. 212,723; May 11.
Fruits and vegetables. Charles & Co. 54,933; renewed Aug. 7, 1926.
Ice cream. National Ice Cream Company. 212,599; May 11; Serial No. 223,860; published Feb. 23, 1926.
Malt sirup. Standard Seed Co. 212,751; May 11; Serial No. 224,535; published Feb. 23, 1926.
Mayonnaise. O. R. Taylor. 212,796; May 11; Serial No. 220,746; published Jan. 26, 1926.
Milk containing chocolate-flavored sirup. Pure Food Laboratories Company. 212,606; May 11; Serial No. 206,492; published Feb. 16, 1926.
Oil, Olive. G. Del Prete. 212,761; May 11; Serial No. 223,374; published Feb. 23, 1926.
Poultry and eggs, Fresh. Hoffman & Mayer, Inc. 212,750; May 11; Serial No. 224,562; published Feb. 23, 1926.
Salad dressing. L. E. Schenck. 212,576; May 11; Serial No. 224,477; published Feb. 23, 1926.
Sirup. New Iberia Canning Company. 211,596; May 11; Serial No. 224,104; published Feb. 23, 1926.
Tea and coffee. Cheek-Neal Coffee Co. 212,831; May 11.
Vinegar, spices, pepper, and preserved fruits and berries. Newark Wholesale Grocery Co. 212,724; May 11; Serial No. 212,285; published Feb. 23, 1926.

ALPHABETICAL LIST OF LABELS.

Afco Hops. For Hops. Atlantic Food Products Corp. 30,305; May 11.
Birch Bark. For Dandruff Remover and Hair Tonic. M. Dzindulewicz. 30,313; May 11.
Blocdo. For a Chemical. Puget Sound Chemical Company. 30,331; May 11.
By George Try Me. For Candy. Elite Candy Mfg. Co. 30,317; May 11.
Cain's Better Spices. For Spices. Western Coffee & Tea Co. 30,338; May 11.
Cato. For Butter. Menasha Printing and Carton Company. 30,328; May 11.
Charm. For Oranges. S. E. Fusco. 30321; May 11.
Di-Col-Q. For a Medicinal Preparation. L. E. Cash. 30,308; May 11.
Dr. Scholl's Re-Form Arch Support. For Arch Supports and Foot Corrective Appliances. Scholl Mfg. Co. 30,332; May 11.
Dr. Scholl's Tru-Span Arch Support. For Arch Supports and Foot Corrective Appliances. Scholl Mfg. Co. 30,333; May 11.
Eastman's French Salad Dressing. For a Liquid Salad Dressing. A. C. Eastman. 30,314; May 11.
Endless-Life. For Bakery Foods. G. F. Jefferson. 30,326; May 11.
Escolite. For a Patented Washing Compound. Cowles Detergent Company. 30,310; May 11.
First Place. For Grapes. P. Ferraris. 30,319; May 11.
Frantz Independence. For Marshmallows. Frantz Candies, Inc. 30,320; May 11.
Gosling. For Oranges. Edison Citrus Association. 30,315; May 11.
Handy-Craft—The Modern Toy For The Modern Boy. For Mechanical-Toy Construction Units. Hart & Cooley Company. 30,323; May 11.
Hub City Bar. For Candy. Elite Candy Mfg. Co. 30,318; May 11.
Ivins. For Cookies. J. S. Ivins' Son, Inc. 30,325; May 11.
Izumi. For Canned Crab. North American Mercantile Company. 30,330; May 11.
Mab. For Household Cleaner. American Health Products Co. 30,304; May 11.
Mrs. Watson's Pie Crust. For Prepared Pie-Crust Flour. Mrs. Emily Watson, Inc. 30,335; May 11.
Mrs. Watson's Pie Crust Dough. For Prepared Pie-Crust Flour. Mrs. Emily Watson, Inc. 30,336; May 11.
Namco. For Canned Crab. North American Mercantile Company. 30,329; May 11.
Protein S. M. A. (Acidulated). For a Food Product for Infants. Laboratory Products Company. 30,327; May 11.
Red Arrow. For Malt Sirup. F. S. Delp. 30,312; May 11.
Royal Hawaiian Glacé Pineapple. For Glacé Pineapple. Honolulu Dairymen's Association, Ltd. 30,324; May 11.

Scientex Fly Spray. For Insecticide. Christian Peper Tobacco Company. 30,309; May 11.
Snow Ball. For Candy. Elite Candy Mfg. Co. 30,316; May 11.
Sue-Preme. For Fresh Tomatoes. Golden West Shippers Inc. 30,322; May 11.
Tanjora. For Oranges. J. E. See. 30,334; May 11.
Traffic. For a Card Game. F. Wenzel. 30,337; May 11.
Tryme. For Flavoring Extracts. Davis Manufacturing Company. 30,311; May 11.
X-L Digestive Tablets. For a Stomach Remedy. H. P. Boyce. 30,306; May 11.
X-L Gas Tablets. For a Stomach Remedy. H. P. Boyce. 30,307; May 11.

ALPHABETICAL LIST OF PRINTS.

A Good Start Is Half the Journey. For Wheat Breakfast Food. Cream of Wheat Co. 8,764; May 11.
An Ideal Basis in Cereal Feeding. For Wheat Breakfast Food. Cream of Wheat Co. 8,765; May 11.
Comfort Insurance Requires No Premium. For Athletic Underwear. B. V. D. Company. 8,763; May 11.
Credit Minus Red Tape. For Clocks, Diamonds, Rings, and Watches. J. G. Laskey. 8,772; May 11.
Dellarowe's Mercurochrome. For Tooth Paste. A. K. Dellarowe. 8,769; May 11.
Eden. For Toilet Articles. La Salle Company. 8,771; May 11.
Gypsolite Wallboard. For Wall Board. Universal Gypsum Company. 8,777; May 11.
'It's Mine!—But The Whole Family Uses It!' For Talcum Powders for Nursery and Toilet Use. Crystal Chemical Company. 8,767; May 11.
Lewis Pure Hard Candies. For Candies. Edgar P. Lewis & Sons, Inc. 8,773; May 11.
Maid O'Dairy Products. For Dairy Products. Mutual Creamery Company. 8,774; May 11.
Make Your Slip-Covers of Orinoka. For Draperies and Upholsteries. Orinoka Mills. 8,775; May 11.
New Favorite of the 19th Hole. For Frozen Confections. Eskimo Pie Corporation. 8,770; May 11.
Pingo Shine Stovwax. For Stove Polish. J. H. Crocker. 8,766; May 11.
The Two Big Profit Makers on the Farm. For Cream Separators and Milkers. De Laval Separator Company. 8,768; May 11.
Western Wonder. For Cotton Seed. Summerour & Son. 8,776; May 11.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Cases, Empty first-aid. First Aid Equipment Supply Co. 215,064; May 11.
Tanks for holding liquids, steam, etc. E. P. Brock. 227,933; May 11.
Tins or containers for packing goods, Metal. P. F. Chaplin. 227,717; May 11.

CLASS 3.

Baggage, animal equipments, portfolios, and pocketbooks. Girl Scouts. 206,957; May 11.
Cabinets for tourists, Portable kitchen. Hemenway Company. 225,187; May 11.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 228,607; May 11.
Cleaner, Dry. Bono Drug Company. 228,085; May 11.
Cleaning compound. Gleam Manufacturing Co. 221,700; May 11.
Cleaning preparation. Climalene Company. 225,769–70; May 11.
Cream for use in brightening footwear made of gold and silver kid. S. Aprile & Co. 228,586; May 11.
Dressing, Razor-strop. J. B. Budde. 228,790; May 11.
Polish, Metal. Koski and Vare. 228,708; May 11.
Polish, Silver, aluminum, metal, and stove. W. B. Williams, Inc. 229,262; May 11.
Scouring compound, Wool-. Western States Wool Corporation. 229,485; May 11.
Soap. Delespa-Werke G. m. b. H. 228,894; May 11.
Soap. Huntington Laboratories, Inc. 225,193; May 11.
Soap. James S. Kirk & Company. 228,990; May 11.
Soap. Kolynos Co. 229,113; May 11.
Soaps, soap pastes, and soap powders. Parfumerie Roger et Gallet. 228,437; May 11.
Soaps, soap pastes, and soap powders. Parfumerie Roger et Gallet. 228,439; May 11.
Soaps, soap pastes, and soap powders. Parfumerie Roger et Gallet. 229,251; May 11.

CLASS 5.

Vitreous and waxlike material, a binder for joining materials such as metal, glass, china, etc. Dye and Chemical Company of Canada. 217,699; May 11.

CLASS 6.

Baking powder, baking soda, laundry starch, bluing, ammonia, and table salt. Durand-McNeil-Horner Co. 229,540; May 11.
Bicarbonate of soda. Buckeye Soda Products Company. 226,583; May 11.
Cosmetics for the mouth. E. Faesch. 229,552; May 11.
Deodorants. A. P. Babcock Company. 229,081; May 11.
Dyes and finish colors, Combined. Rohm & Haas Co. 224,725; May 11.
Fungicide preparation. Miller Products Company. 228,659; May 11.
Insecticide. Tar Products Corporation. 229,599–600; May 11.
Medicinal ingredient for poultry. E. L. Patch Company. 197,109; May 11.
Medicine for coughs, colds, hoarseness, etc. C. F. Touchton. 199,911; May 11.
Medicine for the alleviation of indigestion, dyspepsia, and liver complaint. Albert G. Groblewski & Co. 210,841; May 11.
Ointment, Healing. F. T. Dickerson. 222,563; May 11.
Perfumes, toilet waters, face lotions, face creams and powders, rouges, and lip stick. Lionel Trading Co. Inc. 229,572; May 11.
Preparation for coughs, colds, and influenza. Kold-Flu Co. 228,656; May 11.
Preparations, Medical. L. D. Windsor. 229,367; May 11.
Salve for the treatment of piles. F. Ereth. 225,556; May 11.
Salve, Healing. P. Brehm. 226,581; May 11.
Tablets, Flesh-reducing. Leswate Chemical Co. Inc. 228,484; May 11.
Tartar of antimony and of sodium. Les Etablissements Poulenc Frères. 213,309; May 11.
Tonic, Medicinal alterative and reconstructive. John Wyeth & Brothers, Incorporated. 229,607; May 11.
Water-softening materials. International Filter Co. 229,630; May 11.

CLASS 8.

Cigarette paper. Hijo de C. G. Terol. 227,829; May 11.

CLASS 11.

Ink pigment, Carbon black adapted for use as an. Eastern Carbon Black Company. 208,799; May 11.
Ink ribbons and carbon paper. Crescent Typewriter Supply Company. 228,847; May 11.

CLASS 12.

Brick and tile, Fire. Jonathan Bartley Crucible Company. 224,564; May 11.
Roofing and shingles, Composition roll. Barrett Company. 211,197; May 11.
Skylights, skylight lifts, and built-in roof ventilators. Park City Cornice Works. 225,940; May 11.

CLASS 13.

Bathtubs. Best & Co. 227,290; May 11.
Belt suspension hooks for carrying articles and plates, pans, cups, and kettles. Girl Scouts. 206,959; May 11.
Fence posts, Metallic. Calumet Steel Company. 224,235; May 11.
Utensils made of aluminum, Cooking. Deluxe Savo Cooker Company. 228,030; May 11.

CLASS 14.

Steel castings. Massillon Steel Casting Company. 226,778; May 11.

CLASS 16.

Cleaner and polish, Vehicle body. White Mule, Inc. 227,207; May 11.
Lacquer for furniture, woodwork, toys, and similar surfaces. Lowe Brothers Company. 222,518; May 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paint, paint enamels, varnishes, and liquid celluloid coatings, Prepared. Sewall Paint and Varnish Company. 224,156; May 11.
Paints or like coatings or impregnated compositions, Bituminous. Asphalt Cold Mix Limited. 226,275; May 11.
Paints, varnishes, and prepared shellac, Ready-mixed. Summit Varnish Company. 198,482; May 11.
Powder to be mixed with cold water and used as a decorative wall coating, Dry. Muralo Company. 225,835; May 11.
Preparation for finishing slate, stone, glass, tile, etc. Sturdy Manufacturing Co. 210,630; May 11.

CLASS 17.

Cigars. D. J. Weinreich. 226,871; May 11.

CLASS 19.

Airplanes. Alexander Industries, Inc. 227,621; May 11.
Automobiles. Rickenbacker Motor Company. 227,966; May 11.

CLASS 21.

Batteries and parts thereof, Primary. Waterbury Battery Co. 228,788; May 11.
Electric controllers, magnetic brakes, and electric switches. Clark Controller Company. 227,880; May 11.
Electric lights, electric hand lanterns, electric flash lights, etc., Portable. M. A. Smith. 225,452; May 11.
Electrical transformers and rectifiers. E. A. Graham. 226,586; May 11.
Heaters of the reflector type, Electric. Thos. J. Corcoran Lamp Co. 211,461; May 11.
Loud speakers, radiophones, dials, rheostats, etc. Federated Manufacturers' Corporation. 223,631; May 11.
Radio accessories. Chas. Fischer Spring Co. 207,925; May 11.
Radio apparatus, electric horns for vehicles, etc. A. L. Patstone. 208,359; May 11.
Radio loud speakers and radio phonograph adapters. A. Jones. 227,272; May 11.
Radio receiving, detecting, and transmitting apparatus and parts thereof. Heath Radio & Electric Mfg. Co. 225,785; May 1.
Radio receiving sets. Regent Radio Corporation. 226,786; May 11.
Radio sets and parts thereof. Gold Seal Radio Products Co. 226,354; May 11.
Radio receiving sets and parts thereof. A. F. Henninger Corp. 226,485; May 11.
Radio receiving sets, Vernier dials for use in. Pilot Electric Manufacturing Co. 225,034; May 11.
Sound, Apparatus for the production and reproduction of. E. A. Graham. 226,896; May 11.
Spark plugs, timers, batteries, electric switches, etc. Lepel Ignition Corporation. 228,548; May 11.
Telegraph and telephone systems, as well as parts thereof and accessories therefor. Ferdinand Schuchhardt Berliner Fernsprech- und Telegraphenwerk Aktiengesellschaft. 209,981; May 11.
Vacuum-tube sockets. Cutler-Hammer Mfg. Co. 210,714; May 11.

CLASS 22.

Fishing lines. United States Whip Company. 226,579; May 11.
Puzzles, Jig-saw and cut-out. A. J. Saxe. 227,335; May 11.

CLASS 23.

Axes, pocketknives, camp knives, hunting knives, table knives and forks, etc. Girl Scouts. 206,963; May 11.
Pumps, Gasoline-filling-station. Caward Dart Company. 218,468; May 11.
Razors, razor blades, and mechanical razor strops. Rhodes Manufacturing Company. 223,659; May 11.
Razors, shears, and hair clippers. Utica Knife and Razor Company. 207,158; May 11.

CLASS 25.

Hardware, Automobile body. Ternstedt Manufacturing Company. 198,542; May 11.

CLASS 28.

Gold-decorated toilet and manicure sets and individual items thereof and puff boxes, jewel cases, etc. S. Langsdorf & Co., Inc. 228,431; May 11.
Necklaces, lingerie clasps and pins. F. Damiano. 228,411; May 11.
Rings, Finger. C. Fischer. 227,833; May 11.
Rings, Finger. Meyer & Gross. 229,048; May 11.

CLASS 29.

Brushes. Michigan Brush Manufacturing Co. Inc. 228,720; May 11.

CLASS 30.

Pottery, earthenware, and china. Doulton & Co. Limited. 220,764–5; May 11.

CLASS 31.

Refrigerators, parts, systems, and filters, Electric. Serv-El Corporation. 222,960; May 11.

CLASS 32.

Cases for displaying perishable merchandise. Fleming-Wilson Mercantile Company. 227,782; May 11.
Furniture, Antique. Jeannette Van Vleck Brothers. 217,754; May 11.
Picture frames and chair seats and arms. Bakelite Corporation. 222,155; May 11.

CLASS 33.

Bottles, Glass. Swindell Brothers. 212,760; May 11.
Bottles, Glass milk. Cream Top Bottle Corporation. 221,948; May 11.

CLASS 34.

Burners, Oil. W. Teale. 227,484; May 11.
Heaters and hot-water heating and storage systems, Hot-water. Dunham Company. 224,962; May 11.

CLASS 35.

Belting, Leather. Detroit Oak Belting Company. 228,299; May 11.

CLASS 36.

Stencils or transfers affixed to the piano cases. F. C. Henderson Company. 225,921; May 11.
Whistles and bugles. Girl Scouts. 206,965; May 11.

CLASS 37.

Binders and sheets therefor, writing tablets, writing papers, etc., Loose-leaf. Girl Scouts. 206,964; May 11.
Card system, Loose-leaf. Ratodex, Inc. 208,011; May 11.
Paper napkins. Paper Products Manufacturing Company. 228,065; May 11.

CLASS 38.

Magazine. Great Northern Paper Company. 228,753; May 11.
Magazine publication. Professional Press, Inc. 228,078; May 11.

CLASS 39.

Blouses, shirts, and pyjamas, Boys'. R. Zerman. 221,223; May 11.
Collars and dress, negligee, and work shirts. Hall, Hartwell & Co. Inc. 210,790; May 11.
Corsets. Nu Bone Corset Company. 224,345; May 11.
Dresses and hats for women and children and coats, suits, sweaters, sport coats, jackets, and slip-ons. Security Mills, Inc. 229,470; May 11.
Dresses and hats for women and children, and coats, suits, sweaters, sport coats, jackets, and slip-ons. Security Mills, Inc. 229,472; May 11.
Dresses, coats, and hats, Women's. Jenny Lind. 212,440; May 11.
Hose supporters, Ladies'. George Frost Company. 228,425; May 11.
Hosiery. William Hengerer Company. 219,430; May 11.
Hosiery. Louisiana Paper Company. 229,573; May 11.
Hosiery. Philadelphia Knitting Mills Company. 229,196; May 11.
Hosiery. Union Company. 228,363; May 11.
Hosiery, men's and boys' shirts, and boys' and children's blouses. General Merchandise Exchange, Inc. 226,768; May 11.
Mackintoshes and showerproof coats, cloaks, capes, and suits. H. E. Mills Limited. 224,468; May 11.
Mufflers and scarfs of woven material. Trayco Co. 229,421; May 11.
Neckties. Justin Neckwear Co. 228,819; May 11.
Neckties. L. Lerner. 229,447; May 11.
Overalls, jackets, men's pants, work shirts, dress shirts, etc., Men's and boys'. Ridenour-Baker Grocery Company. 229,587; May 11.
Overcoats and suits, Men's. Proser Bros. Inc. 228,774–5; May 11.
Overcoats, topcoats, suits, etc. Jain-Sol Clothing Co. 228,545; May 11.
Scarfs and neckties. W. P. Taylor. 229,529; May 11.
Shoes. Royer Shoe Company. 211,229; May 11.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company. 227,799; May 11.
Suits and overcoats, Men's and young men's. J. Graff. 227,788; May 11.
Suits and overcoats, topcoats, sack coats, waistcoats, knickers, and breeches, Men's and young men's. Frubsuf Bros. & Co. 229,509; May 11.
Undergarments, Ladies'. Davidson Brothers. 228,362; May 11.
Union suits and underwear, Knitted. Fort Schuyler Knitting Co. 228,420; May 11.
Waist and baby pants, Combination. I. B. Kleinert Rubber Company. 228,471; May 11.

CLASS 40.

Buttons, braids, needles, thimbles. Girl Scouts. 206,968; May 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Clasps, Hair. Mrs. A. S. Fridolph. 228,308; May 11.
Mirrors, combs, brushes, shoehorns, buttonhooks, trays, and manicure articles. Columbia Novelty Ivory Co. 227,443; May 11.

CLASS 42.

Blankets, neckerchiefs, handkerchiefs, woolen and cotton goods in the piece. Girl Scouts. 206,969; May 11.
Cloth, Hand-woven. M. J. Noyes. 226,253; May 11.
Cotton and linen fabrics and combinations. Hyman Bauman Co. Inc. 226,146; May 11.
Cotton piece goods and cotton and linen piece goods. F. A. Foster & Co. Inc. 229,787; May 11.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 229,775; May 11.
Hair nets. New York Merchandise Company. 229,689–90; May 11.
Shirtings, dress goods, and drapery fabrics in the piece. Lortex Company. 196,311; May 11.
Silks and silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 229,301; May 11.
Silk, rayon, cotton, and wool or combinations thereof, Piece goods of. Bendix & Fiber, Inc. 226,996; May 11.
Woolen piece goods. Forstmann & Huffmann Company. 229,102; May 11.

CLASS 44.

Iodine pen or carrier, absorbent and medicated cotton, bandages, adhesive medicinal tape. Girl Scouts. 206,958; May 11.
Masks, Dust. Engineering Products Corporation, Inc. 220,337; May 11.
Syringes and instruments for dentists, physicians, and surgeons, adhesive plasters, etc. Behringwerke Aktiengesellschaft. 205,852; May 11.

CLASS 46.

Bread. Gordon Baking Company. 227,071; May 11.
Bread. Zimmerman Baking Company. 223,424–5; May 11.
Bread and rolls. Dolly Madison Baking Corporation. 228,598; May 11.
Bread, cakes, and rolls. Star Baking Company. 227,607; May 11.
Bread improver made from wheat. Konrad Schreier Co. 228,116; May 11.
Breakfast food. National Food Company. 225,936–7; May 11.
Butter. Kenneth P. Hussey and J. H. Finn. 221,665; May 11.
Butter. Tennessee Valley Creamery Company. 227,972; May 11.
Butter, eggs, and cheese. Swift and Company. 228,625; May 11.
Cakes. A. U. Dougherty. 226,342–4; May 11.
Candies. Blue Hill Candy Co. 227,293; May 11.
Candy. American Novelty Co. 173,949; May 11.
Candy. Bonita Co. 229,538; May 11.
Candy. D. Goldenberg. 229,327; May 11.
Candy bar. Central Candy Co. 228,890; May 11.
Candy, cake, bread, pies, rolls, teas, coffees, canned soups, etc. Rutley's, Incorporated. 225,806–7; May 11.
Candy chicks, rabbits, pumpkins, turkeys, and candy specialties. N. D. Q. Specialty Corporation. 227,465; May 11.
Canned fish. Pacific Fish Co. 222,087; May 11.
Canned fish. Seufert Brothers Company. 224,427; May 11.
Canned fish and canned fruits. Seufert Brothers Company. 224,430–1; May 11.
Canned fruits and vegetables, fresh deciduous and citrous fruits, fresh vegetables. Haas Brothers. 213,236; May 11.
Canned fruits, vegetables, and sea food, etc. Hassendeubel Grocery Company. 227,582; May 11.
Canned mixed vegetables. Larsen Company. 228,913; May 11.
Cheese. Arn & Zweifel Company. 223,832; May 11.
Chocolate and candy. Frances Sinagnan & Cie. 228,501; May 11.
Chocolate bars. Kibbe Brothers Company. 229,237; May 11.
Chocolate unsweetened, Baking. Francis H. Liggett & Company. 215,154; May 11.
Coffee, butter, and food-flavoring extract of lemon and vanilla. L. Kohn & Sons Meat and Grocery Company. 228,381; May 11.
Feed, Stock. Packers Sales Company Inc. 227,962; May 11.
Flour, Plain and self-rising. Southeastern Flour Co. 228,503; May 11.
Flour, Self-rising. Puritan Mills. 228,483; May 11.
Flour, Wheat. Arkansas City Milling Company. 228,291; May 11.
Flour, Wheat. Dixie-Portland Flour Co. 227,882; May 11.
Flour, Wheat. Ismert-Hincke Milling Company. 228,377–8; May 11.
Flour, Wheat. Portland Flour Mills Co. 215,654; May 11.
Food beverages, Chocolate paste for making. Frescoa Manufacturing Company. 228,235; May 11.
Food flavorings. Mayborn Food Products Co. 228,051; May 11.
Food for dogs and cats. Molassine Company. 226,251; May 11.
Ice cream. National Ice Cream Co. 226,499; May 11.
Lettuce and fresh berries. L and W Land Company. 224,028; May 11.
Mash, egg mash with buttermilk, etc., Chick-starter. Ladish-Stoppenbach Company. 204,177; May 11.
Mayonnaise and salad dressing. Cameron & Dunham, Inc. 228,685; May 11.
Mayonnaise, catchup, chili sauce, olives, etc. Alden Products Company. 223,271; May 11.
Nut-jam spreads for sandwiches. Pogm Co. Inc. 226,823; May 11.
Oil, Refined coconut. Etablissementa Rocca, Tassy & De Roux. 227,170; May 11.
Oranges, lemons, and grapefruit. Klink Citrus Association. 216,916; May 11.
Oranges, lemons, grapefruit, etc. Golden Fruit Distributors. 224,016; May 11.
Potato chips. John Boyd Co. 229,042; May 11.
Rarebit, Welsh. John E. F. Magee Company. 228,551; May 11.
Rye breakfast food. Ry-Krisp Company. 227,690; May 11.
Salad dressing and relishes having a base of lemon emulsion. Lemonaise Company. 227,588; May 11.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Strip shingle. 1,584,343; May 11.
Acheson, Edward G., New York, N. Y. Treating lubricating oils. 1,584,588; May 11.
Ackley, Amos. (See Plum, S. H., 2d, and Ackley.)
Actien-Gesellschaft für Anilin-Fabrikation. (See Hohmann, Wilhelm, assignor.)
Adams, Charles A., Alpine, Tex. Berry protector and plant mulch. 1,584,589; May 11.
Adams, George R. (See Crandall, Weller R., assignor.)
Addressograph Company. (See Duncan, J. S., and Lee, assignors.)
Adelmann, Robert, et al. (See Rein, A., and Liefke, assignors.)
Aeby, Louis, and H. Kocourek, Chicago, Ill.; said Kocourek assignor to said Aeby. Liquid-circulating system. 1,584,602; May 11.
Akins, Merrill L., Bishop, and C. J. Moyer, Orcutt, Calif. Fishing tool. 1,583,767; May 11.
Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel. (See Obersohn, A., Wachtel, Sakom, and Askenasy, assignors.)
Albrecht, Mathias, Homestead, Pa. Headlight. 1,583,768; May 11.
Aldrich, Alonzo, Beloit, Wis. Paper-making machine. 1,584,344; May 11.
Aldrich, Alonzo, Beloit, Wis. Paper-making machine. 1,584,345; May 11.
Alexander, Clarence J., Seattle, Wash., and E. Steen, West Berkeley, Calif. Apparatus for conveying canned goods into and from a cooking vessel. 1,584,067; May 11.
Alexander, Ford L., Los Angeles, Calif. Device for torpedoing oil wells. 1,584,068; May 11.
Alexander, Horace G., South Londonderry, Vt. Picker cylinder. 1,583,823; May 11.
Alexander, Raymond E., Passaic, N. J. Speed regulator. 1,584,268; May 11.
Allen, Albert M. (See Hawn, Ralph M., assignor.)
Aller, Joseph, (formerly Joseph Altschuler), Los Angeles, and D. Isnow, Arcadia, Calif. Numbered films. 1,583,769; May 11.
Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Needle loom. 1,584,680; May 11.
American Art Works. (See Kroger, Fred H., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Fabrics Company, The. (See Phillips, Hans A., assignor.)
American Lady Corset Company. (See Colley, Harry A., assignor.)
American Laundry Machinery Company, The, et al. (See Brockett, Bluford W., assignor.)
American Laundry Machinery Company, The. (See Leidecker, Frank J., assignor.)
American Laundry Machinery Company, The. (See Taylor, James H., assignor.)
American Magnesium Corporation. (See Bakken, Herman E., assignor.)
American Optical Company. (See Fraser, Frank, assignor.)
American Optical Company. (See Tully, George L., assignor.)
American Pin Company, The, Division Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
American Stove Company. (See Moecker, H., jr., and Thompson, assignors.)
American Stove Company. (See Moecker, H., jr., Hammermeister, and Thompson, assignors.)
American Telephone and Telegraph Company. (See Deardorff, Ralph W., assignor.)
American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
American Tube and Stamping Company, The. (See Keating, Daniel A., assignor.)
American Type Founders Company. (See Plum, S. H., 2d, and Ackley, assignors.)
Amrein, August, Amsterdam, N. Y. Porch shade. 1,583,910; May 11.
Anderson, Olof, Louisville, Ky. Joint clamp. 1,584,069; May 11.
Anderson, Walter S. (See Dostal, J. L., and Anderson.)
Andrews, George W., Peoria, Ill. View scope. 1,584,500; May 11.
Angle, Edward H., Pasadena, Calif. Orthodontic appliance. 1,584,501; May 11.
Angle, Glenn D., Dayton, Ohio. Cam shaft for test engines. 1,583,949; May 11.
Ansco Photoproducts, Incorporated. (See Topliff, G. W., and Bornmann, assignors.)
Anti-Friction Shafting Bearing Company. (See Buswell, Charles K., assignor.)
Appelquist, Frederick, Rock Island, Ill. Headlight for motor vehicles. 1,584,070; May 11.
Apple, Vincent G., Dayton, Ohio. Dynamo-electric machine. 1,584,502; May 11.
Arca Regulators Incorporated. (See Carlstedt, Ragnar, assignor.)
Archard, Josephine D., Yonkers, N. Y. Cord holder and guide. 1,584,590; May 11.
Ardin, Lucien L., New York, N. Y. Internal-combustion turbine. 1,584,346; May 11.
Arimitsu, Toshiichi, Yokohama, assignor to Nippon Yusen Co. Ltd., Tokyo, Japan. Quadrant. 1,583,950; May 11.
Armstrong Bros. Tool Co. (See Armstrong, Lennox F., assignor.)
Armstrong, Lennox F., assignor to Armstrong Bros. Tool Co., Chicago, Ill. Tool holder. 1,584,347; May 11.
Arnold, George A., Hartford, Conn., assignor, by mesne assignments, to Goodell Pratt Company. Drill supporting and feeding apparatus. 1,584,071; May 11.
Arnold, Oliver H., jr., Athens, Ga. Ditcher and terracer. 1,584,591; May 11.
Arrowitz, Michael, Pittsfield, Mass. Pneumatic power-vehicle brake. 1,584,269; May 11.
Ashbaugh, John H. (See Bradshaw, W. M., and Ashbaugh.)
Askenasy, Paul. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Aspinwall, Louis M., Pittsburgh, and H. R. Meyer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,584,592; May 11.
Astrom, John, Fort Wayne, Ind. Internal-combustion engine. 1,584,348; May 11.
Atherton, Albert, Woodhaven, assignor to The Western Union Telegraph Company, New York, N. Y. Metallic duplex system of telegraphy. 1,584,681; May 11.
Atherton, Albert, Woodhaven, N. Y., and G. W. Janson, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Duplex telegraph system. 1,584,682; May 11.
Atlas Powder Company. (See Grant, Harry L., assignor.)
Auil, Benedict M., assignor to Pendleton Manufacturing Company, Autun, S. C. Interwoven padding for use on ironing machines. 1,584,503; May 11.
Ault, Horace B., Morristown, assignor to Tennessee Tool Works, Inc., Knoxville, Tenn. Machine for marking or painting lines. 1,584,687; May 11.
Automatic Printing Devices Company. (See Berndt, Richard F., assignor.)
Automatic Printing Devices Company. (See Berndt, R. F., and Collischonn, assignors.)
Ayres, Elwood B., Melrose Park, assignor to Proctor and Schwartz, Philadelphia, Pa. Roller chain for silk driers. 1,584,593; May 11.
Babcock & Wilcox Company. (See Hanlman, Charles J., assignor.)
Bachelet, Celeste, Mount Vernon, N. Y. Washboard. 1,584,594; May 11.
Bader, Kurt, Brooklyn, N. Y. Mold for making concrete blocks. 1,584,595; May 11.
Bader, Otto A., New Orleans, La. Coil tool. 1,584,596; May 11.
Badische Anilin- & Soda-Fabrik. (See Schmidt, Otto, assignor.)
Badische Anilin- & Soda-Fabrik. (See Theobald, Ernst, assignor.)
Bahr, August T. J., assignor of three-fourths to J. H. Quinn, St. Louis, Mo. Starting gate. 1,583,951; May 11.
Bailin, Samuel, Brooklyn, N. Y. Sanitary toothbrush receptacle. 1,584,206; May 11.

Bakken, Herman E., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Magnesium-aluminum alloy. 1,584,688; May 11.

Bakken, Herman E., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Process and apparatus for volatilizing metal. 1,584,689; May 11.

Ball, Joseph A. (See Comstock, D. F., Troland, and Ball.)

Bar and Billet Scraper Co. (See Smith, John L., assignor.)

Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Packer finger for signature-delivery mechanism. 1,584,349; May 11.

Barber, Margaret L. (See Hammond, W. F., and Barber.)

Bardera, Jose M., New York, N. Y. Gas cock. 1,584,270; May 11.

Bares, Vaclav, Schulenburg, Tex. Steering-gear holder. 1,583,952; May 11.

Barnard, Thomas H., Toronto, Ontario, Canada. Earth anchor. 1,584,420; May 11.

Barthel, Oliver E., Detroit, Mich. Engine head. 1,584,003; May 11.

Barthel, Oliver E., Detroit, Mich. Engine head. 1,584,004; May 11.

Bartkowiak, Wojciech. (See Leskiewicz, M., and Bartkowiak.)

Bartling, Howard G., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill. Spray cabinet. 1,583,911; May 11.

Bassett, Harry P., Cynthiana, Ky. Making sodium sulphide. 1,584,597; May 11.

Basten, Otto, assignor to Sterling Tire Corporation, Rutherford, N. J. Tire tread. Des. 70,090; May 11.

Bate, John W., Racine, Wis. Combined governor, pump, and thermal control. 1,584,421; May 11.

Bate, John W., Racine, Wis. Combination tool. 1,584,422; May 11.

Bate, John W., Racine, Wis. Cigar lighter. 1,584,423; May 11.

Bates, Frank, Coalgate, Okla. Signal. 1,584,598; May 11.

Bausinger, Henry C., jr., G. W. Faulkener, and J. O. Turner, Bucyrus, Ohio. Picker. 1,583,866; May 11.

Bear, Claud C., Denison, Tex. Carrier for infants or young children. 1,584,161; May 11.

Beaumont, R. H., Company. (See Lowenthal, Harry N., assignor.)

Beck, Adolf, assignor to Chemische Fabrik Griesheim-Elektron, Griesheim-on-the-Main, Germany. Casting metal. 1,584,072; May 11.

Bee, William E., assignor to Palmer-Bee Company, Detroit, Mich. Coupling. 1,584,424; May 11.

Beecher, Eugene L., assignor to The Westinghouse Air Spring Company, New Haven, Conn. Pneumatic valve. 1,584,350; May 11.

Beecher, Eugene L., assignor to The Westinghouse Air Spring Company, New Haven, Conn. Air spring. 1,584,351; May 11.

Beeh, Louis, Plainfield, N. J., assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Impulse starter for ignition apparatus. 1,584,162; May 11.

Behme, John E. (See Hallock, William L., assignor.)

Behrends, Nick, assignor of one-third to G. D. Moulton and one-third to L. W. Wiemer, Ledyard, Iowa. Combined cream saver and can washer. 1,584,599; May 11.

Belais, David, Incorporated. (See Belais, David, assignor.)

Belais, David, New York, N. Y., assignor to David Belais, Incorporated. White gold. 1,584,352; May 11.

Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Tire carrier. 1,584,690; May 11.

Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Goblet. Des. 70,091; May 11.

Bell, Fred C., Alameda, Calif. Rotary compressor. 1,584,207; May 11.

Bellows, Warren S., assignor to Walden-Worcester, Incorporated, Worcester, Mass. Brace wrench. 1,584,208; May 11.

Bendix Brake Company. (See McConkey, Montgomery W., assignor.)

Benedict, Charles L., Toronto, Ontario, Canada. Mailing folder. 1,583,867; May 11.

Berger, Bruno A., assignor to Berger Specialty Manufacturing Company, Inc., Richmond, Va. Reel. 1,583,868; May 11.

Berger Specialty Manufacturing Company. (See Berger, Bruno A., assignor.)

Bernard, Harold B., assignor to Sinclair Oil and Gas Company, Tulsa, Okla. Gasoline-recovery apparatus. 1,584,504; May 11.

Berndt, Richard F., assignor to Automatic Printing Devices Company, San Francisco, Calif. Machine for producing raised printing. 1,584,164; May 11.

Berndt, Richard F., and P. Collischonn, jr., assignors to Automatic Printing Devices Company, San Francisco, Calif. Automatic embossing machine. 1,584,163; May 11.

Bernhard, Richard, Allentown, Pa., assignor to B. A. Mitchell, Tompkinsville, Staten Island, N. Y. Gyratory crusher. 1,584,697; May 11.

Bernmann, Carl. (See Topliff, G. W., and Bornmann.)

Bertele, Ludwig, Dresden, Germany. Photographic lens. 1,584,271; May 11.

Bertele, Ludwig, Dresden, Germany. Photographic lens. 1,584,272; May 11.

Best, Clarence L., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Power transmission for vehicles. 1,584,425; May 11.

Beswicke, Charles L., assignor to Modern Sign Company, Inc., Detroit, Mich. Display sign. 1,583,912; May 11.

Bethlehem Steel Company. (See Fischer, L. G., and Hilpert, assignors.)

Bevins, Ira J., Chicago, Ill. Cleaning automotive power plants. 1,584,505; May 11.

Bidle, W. S., Company, The. (See Bidle, William S., assignor.)

Bidle, William S., assignor to The W. S. Bidle Company, Cleveland, Ohio. Rivet set. 1,583,770; May 11.

Bidwell, George L., Riegelsville, Pa., assignor to The Warren Manufacturing Company, Riegelsville, N. J. Machine for working paper stock. 1,583,771; May 11.

Bindschedler, Emile, Lansdowne, Pa., and G. Juer, Hopewell, Va., assignors to Tubize Artificial Silk Company of America. Manufacturing artificial silk and other products from nitrocellulose. 1,584,005; May 11.

Bingaman, Benjamin F., Los Angeles, Calif. Hose coupling. 1,584,353; May 11.

Binkes Spray Equipment Co. (See Hersleb, William, assignor.)

Binkovitz, Reuben, New York, N. Y. Mattress ticking. Des. 70,092; May 11.

Binkovitz, Reuben, New York, N. Y. Mattress ticking. Des. 70,093; May 11.

Binkovitz, Reuben, New York, N. Y. Mattress ticking. Des. 70,094; May 11.

Bird, John, Camden, Me. Composition for removing carbon deposits. Re16,350; May 11.

Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Bowling pin. 1,583,824; May 11.

Black, Walter A., assignor of one-half to J. T. Jennings, Kansas City, Mo. Valve. 1,584,600; May 11.

Blackburn, Charles E., sr., and J. R. Cambron, sr., Evansville, Ind. Automobile headlight. 1,584,006; May 11.

Blackmore, Lloyd, Highland Park, and F. A. Voelke, assignors to General Motors Corporation, Detroit, Mich. Spring seat structure. 1,583,953; May 11.

Blakely, William W., Detroit, Mich. Stake platform for trucks. 1,584,426; May 11, 1926.

Blaw, Jacob B., Atlantic City, N. J. Portable fire-hose-nozzle support. 1,583,772; May 11.

Blaw-Knox Company. (See Bowman, Franklin M., assignor.)

Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. Des. 70,095; May 11.

Bliss, Herbert R., Niagara Falls, N. Y. Sealing Fiber Shipping Cases. Re16,347; May 11.

Blitch, Charles, Jacksonville, Oreg. Milk-bottle holder. 1,584,427; May 11.

Bloch, Isabelle M., assignor to The Q. R. S. Music Company, Chicago, Ill. Instruction roll. 1,584,073; May 11.

Blomquist, Harvey L., Chicago, Ill. Ice-cream dispenser. 1,584,601; May 11.

Blore, Bernard W., assignor to Connecticut Lace Works, Incorporated, Norwalk, Conn. Making Ensor net in conjunction with other nets without aid of a bottom-bar jacquard. 1,584,074; May 11.

Boe, Helmer J. (See Kochendorfer, F. S., and Boe.)

Bogin, Morris. (See Shelters, F. C., and Bogin.)

Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ringer. 1,584,506; May 11.

Bold, Frederick W., Chelsea, assignor to Boston Clock Company, Boston, Mass. Time-controlled motor. 1,583,954; May 11.

Bolling, Carl O. T., Irwin, Pa. Drawing implement. 1,584,507; May 11, 1926.

Boone, Clarence E., assignor to R. A. Terry, Long Beach, Calif. Snubber. 1,584,075; May 11.

Bosch, Robert, Aktiengesellschaft. (See Beeh, Louis, assignor.)

Boston Clock Company. (See Bold, Frederick W., assignor.)

Bowman, Franklin M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Tower. 1,584,691; May 11.

Boyce, William S., Chicago, Ill. Tie plate. 1,583,773; May 11.

Boyce, William S., Chicago, Ill. Tie plate. 1,583,774; May 11.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,584,354; May 11.

Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)

Boyer, Edith E. L. (See Boyer, Frederick G. L. and E. E. L.)

Boyer, Francis H., De Quincy, La. Gate. 1,583,869; May 11.

Boyer, Frederick G. L., and E. E. L., assignors, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,584,508; May 11.

Bradshaw, William M., and J. H. Ashbaugh, Wilkinsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,584,602; May 11.

Brandt, Erdmann N., Tarrytown, N. Y. Collapsible theater. 1,583,775; May 11.

Brandt, Rudolph F. (See Carpenter, C. U., and Brandt.)

Brazzil, William W., Wichita Falls, Tex. Display bulb box. 1,584,603; May 11.

Bredar, Joseph L., Rock Island, Ill. Antichatter for ball joints. 1,584,428; May 11.

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Brincil, Joseph, Plainfield, N. J. Bearing and making same. 1,583,913; May 11.

Brinkema, John R., Glenvil, Nebr. Self-dump bundle carrier. 1,584,604; May 11.

Briscoe, Frank, Pontiac, and W. S. Lee, Detroit, Mich.; said Lee assignor to said Briscoe. Timer. 1,584,429; May 11.

Bristol, Harlan B., Burlingame, Calif. Indicating device for synchronizing the braking power applied to the wheels of vehicles. 1,584,076; May 11.

British Leather Manufacturers' Research Association. (See Lloyd, D. J., and Pickard, assignors.)

Brittain, Percival F. (See Jenkins, A. D., Brook, Davidson, and Brittain.)

Britton, Charles B., Browning, Mo. Internal-combustion engine. 1,584,605; May 11.

Brockett, Bluford W., Euclid Heights, assignor of one-half to The American Laundry Machinery Company, Norwood, Ohio, and one-half to Metropolitan Trust Company, trustee, New York, N. Y. Buck and steamer therefor. 1,584,698; May 11.

Brook, Ernest T. (See Jenkins, A. D., Brook, Davidson, and Brittain.)

Brown, David, and Sons (Huddersfield) Limited. (See Green, Allan, assignor.)

Brown, James M., Philadelphia, Pa. Spool. 1,584,355; May 11.

Brown, John R., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Valve seat. 1,584,007; May 11.

Brown-Lipe Gear Company. (See Sweet, Henry W., assignor.)

Brown, Robert E., Olean, N. Y. Knife. 1,584,165; May 11.

Brown, Sanford, Montclair, N. J., assignor to Halowax Corporation, New York, N. Y. Leather-belt dressing. 1,584,209; May 11.

Brownson, R., & Company. (See Brownson, Ralph and T. A., assignors.)

Brownson, Ralph and T. A., assignors to R. Brownson & Company, Hastings, Minn. Road planer. 1,583,776; May 11.

Brownson, Theodore A. (See Brownson, Ralph and T. A.)

Brunow, Guinther H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Burner. 1,584,210; May 11.

Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)

Bryce Brothers Company. (See Bell, Elmer, assignor.)

Buckner, Leon, Oakland, Mich. Two-part heel. 1,584,692; May 11.

Buettner, T., & Co. (See Drummond, Katherine L., assignor.)

Bull, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,583,955; May 11.

Bunting, Elwood C., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Locking device for valves for gas burners. 1,584,606; May 11.

Bunting Iron Works. (See Davis, Troy, assignor.)

Burgess, James K., Montclair, N. J. Mouthpiece for cigar holders, cigarette holders, and pipes. 1,583,956; May 11.

Burke, Richard T. A., Bridgeton, N. J. Shock-absorbing and snubbing device. 1,584,211; May 11.

Burkey, Ernest R., Cleveland, Ohio. Paper-hanging device for ceilings. 1,584,273; May 11.

Burnham Chemical Company. (See Burnham, George B. assignor.)

Burnham, George B., assignor to Burnham Chemical Company, Reno, Nev. Apparatus for separating solids from a liquid. 1,584,166; May 11.

Burr, Harry M., Middletown, Conn. Drinking cup and other receptacle. 1,584,607; May 11.

Burrell, Harold P., Nutley, N. J. Apparatus for storing motor vehicles or other articles. 1,584,212; May 11.

Bushnell, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Speed-control system. 1,584,274; May 11.

Buswell, Charles K., North Abington, Mass., assignor to Anti-Friction Shafting Bearing Company, Portland, Me. Ball bearing. 1,583,914; May 11.

Butler, Reginald J., Stretford, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,584,608; May 11.

California Cyanide Company. (See Poindexter, Robert W., jr., assignor.)

Cambron, John R., sr. (See Blackburn, C. E., sr., and Cambron.)

Cameron, Ernest G., Bombay, India. Illuminated lamp-post. 1,584,430; May 11.

Camfield, Russell W., Berkeley, assignor to E. T. Cunningham, San Francisco, Calif. Tube adapter. 1,584,167; May 11.

Cancillieri, Giovanni, Yatesboro, Pa. Motor-operated fan. 1,584,609; May 11.

Caplan, I. H., et al. (See Long, John E., assignor.)

Caplan, Samuel, et al. (See Long, John E., assignor.)

Carlstedt, Ragnar, Stockholm, Sweden, assignor to Arca Regulators Incorporated. Automatic humidity and temperature control. 1,584,213; May 11.

Carpenter, Charles U., and R. F. Brandt, assignors to Dayton Portable Typewriter Company, Dayton, Ohio. 1,584,008; May 11.

Carpenter, William J., Eastland, Tex., assignor, by mesne assignments, to W. N. Hamaker, trustee, Los Angeles, Calif. Swab. Re16,348; May 11.

Carrier, John H., New Britain, Conn. Level. 1,583,957; May 11.

Carter, John W., assignor of one-third to W. I. Luckie and one-third to M. C. Luckie, Arlington, Tex. Cleaner-brush attachment for the rotary drums of cotton-gin feeders. 1,584,077; May 11.

Carter, Ray L., Syracuse, N. Y. Portable routing and profiling machine. 1,584,078; May 11.

Cascia, Angelo, Philadelphia, Pa. Shoe. 1,583,958; May 11.

Castro, Benjamin, Long Beach, Calif. Baker's oven-cleaning device. 1,584,214; May 11.

Caterpillar Tractor Co. (See Best, Clarence L., assignor.)

Celite Company, The. (See Wig, Rudolph J., assignor.)

Chalkley, Curtis R., Covington, Ky. Vacuum breaker and fluid deflector for vehicles. 1,584,275; May 11.

Chambers, Robert, New York, N. Y. Adjustable holder. 1,584,509; May 11.

Chance, George W., Swarthmore, Pa. Building construction. 1,583,777; May 11.

Chandler, Edward F., Brooklyn, N. Y. Limit-control system. 1,584,356; May 11.

Chanock, Theodore, Chicago, Ill. Lamp base. Des. 70,096; May 11.

Chantland, Ethel, Chicago, Ill. Pillow top. Des. 70,097; May 11.

Chaplin, Basil. (See Miebach, H. E., and Chaplin.)

Charles, Iestyn M., Golden, Colo. Mechanical shovel. 1,583,870; May 11.

Chemische Fabrik Griesheim-Elektron. (See Beck, Adolf, assignor.)

Chesterman, Dana L., assignor to Chesterman Leeland Co., Philadelphia, Pa. Truss pad. 1,584,510; May 11.

Chesterman Leeland Co. (See Chesterman, Dana L., assignor.)

Chicago Apparatus Company. (See Shay, Ralph R., assignor.)

Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)

Chicago Pneumatic Tool Company. (See Hoffman, Leon F., assignor.)

Chicago Spring Butt Company. (See Keene, William J., assignor.)

Chipman Knitting Mills. (See Kane, Jesse C., assignor.)

Chlorine Products Company. (See Jewell, William M., assignor.)

Christians, William A., Hay Springs, Nebr. Hay carrier. 1,584,610; May 11.

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,583,959; May 11.

Cincinnati Patent Engineering Company. (See Cornish, Guy S., assignor.)

Cizek, John V. (See Mundt, M. E., and Cizek.)

Clark, Charles H., New York, N. Y. Bicycle and the like. 1,584,568; May 11.

Clark, Farley G. (See Stuart, A. T., and Middleton, assignor.)

Clark, Harry A., Wichita Falls, Tex. Mast. 1,584,611; May 11.

Clark, Peter, Glen Ridge, N. J., and T. B. McDonald, Troy, N. Y. Curtain-operating mechanism. 1,584,009; May 11.

Clarke, Ralph S., Dorchester, assignor to R. Mitchell Co., Boston, Mass. Electrical switch. 1,584,010; May 11.

Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,584,431; May 11.

Clawson, Leonard E., San Francisco, Calif. Exhaust muffling and cooling device. 1,584,215; May 11.

Clifton, Enoch, Portland, Oreg. Tree support. 1,584,011; May 11.

Clifton Manufacturing Company. (See Crow, Lawrence M., assignor.)

Clough, Andrew M., Batavia, N. Y. Windshield for track cars. 1,584,432; May 11.

Clulee, Harry I., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Insulator for handled vessels. 1,584,433; May 11.

Clyde Iron Works. (See McGiffert, John R., assignor.)

Coates, Henry T., Germantown, Pa. Reenforced concrete structure. 1,584,216; May 11.

Coates, William A., Chorlton-cum-Hardy, G. E. Gittins, and D. R. Davies, Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Circuit breaker. 1,584,612; May 11.

Conts, George A., Philadelphia, Pa. Pavement heater. 1,583,915; May 11.
Cochran, Clyde E., Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,584,569; May 11.
Cocroft, Susanna, New York, N. Y. Face mask. 1,584,012; May 11.
Cole Manufacturing Company. (See Sieloff, Ernest F., assignor.)
Colley, Harry A., assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,584,434; May 11.
Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Brake mechanism. 1,584,015; May 11.
Collischonn, Philip, jr. (See Berndt, R. F., and Collischonn.)
Columbia Phonograph Company. (See Mitchell, Frank A., assignor.)
Commonwealth Steel Company. (See Pflager, Harry M., assignor.)
Comstock, Daniel F., Cambridge, L. T. Troland, Malden, and J. A. Ball, Wollaston, assignors to Kalmus, Comstock & Wescott, Incorporated, Boston, Mass. Wave detector. 1,584,613; May 11.
Conley, Robert S., Chicago, Ill. Toupee. 1,583,778; May 11.
Conlon, Thomas A. (See Joyce, Bryan P., assignor.)
Connecticut Lace Works, Incorporated. (See Blore, Bernard W., assignor.)
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Consolidated Steel Strapping Company. (See Flora, Ellsworth E., assignor.)
Constantinesco, George, Weybridge, England. Mechanism for transmitting impulses to a distance, specially applicable for actuating gun triggers. 1,584,435; May 11.
Consumers Company. (See Verhoeff, Jack R., assignor.)
Cook, Charles L., Louisville, Ky. Gas or vapor engine, particularly steam engine. 1,584,614; May 11.
Cook, William F., Crystal City, Tex. Ant trap. 1,584,079; May 11.
Corcoran, Daniel P., Gridley, Calif. Valve. 1,583,960; May 11.
Core, Karl L. W., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for making sheet glass. 1,583,779; May 11.
Cornell, Fay D., Sunnyvale, Calif. Lamp for incubators. 1,584,014; May 11.
Cornish, Guy S., Madisonville, Cincinnati, Ohio, assignor to The Cincinnati Patent Engineering Company. Condenser and leak for radiocircuits. 1,584,015; May 11.
Corthesy, Jules H., Barnsbury, London, assignor of one-half to A. W. Mills, London, England. Combustion of fuel and apparatus therefor. 1,584,615; May 11.
Costello, Thomas F., Minneapolis, Minn. Auto ventilator and glareshield. 1,583,780; May 11.
Cothran, Walter S., assignor to Towers & Sullivan Manufacturing Co., Rome, Ga. Disk bearing. 1,584,616; May 11.
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Coulter, Harrington M., Shaftsbury, Vt. Electric head light. 1,584,276; May 11.
Cowell, Marcus R., Winnipeg, Manitoba, Canada. Making harness loops. 1,584,168; May 11.
Crandall, Weller R., Leavenworth, Kans., assignor to G. R. Adams, Los Angeles, Calif. Composing stick. 1,584,570; May 11.
Crane & Breed Manufacturing Company, The. (See Blesch, Charles, assignor.)
Cremean, William F., Toledo, Ohio. Car-door mechanism. 1,584,436; May 11.
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,583,781; May 11.
Crow, Lawrence M., assignor to Clifton Manufacturing Company, Waco, Tex. Lock clasp for tire covers. 1,584,217; May 11.
Crowell, George H., Berlin, N. H. Electric steam generator. 1,583,961; May 11.
Cunningham, E. T. (See Camfield, Russell W., assignor.)
Cunningham, Richard H., New York, N. Y., assignor to Dubilier Condenser & Radio Corporation. Electric heating apparatus. 1,584,511; May 11.
Curd, T. H. (See Gregory, Oscar T., assignor.)
Curtis, Walter M., Woodland, Ill. Automobile hoisting device. 1,584,512; May 11.
Curtiss Aeroplane and Motor Company. (See Mummert, H. C., and Gilmore, assignors.)
Curtiss Aeroplane & Motor Corporation. (See Wait, William, jr., assignor.)
Cutler-Hammer Mfg. Co., The. (See Richardson, Linwood T., assignor.)
Dakis, Anthony S., assignor of one-third to A. Miller and one-third to C. Texas, Canton, Ohio. Combined fan and vanity case. Des. 70,098; May 11.
Danielson, Oscar A., St. Louis, Mo. Circuit closer. 1,584,357; May 11.
Davenport, Sterling, Jerome, Ariz. Plug valve. 1,584,699; May 11.
Davidson, William S. (See Jenkins, A. D., Brook, Davidson, and Brittain.)
Davies, David R. (See Coates, W. A., Gittins, and Davies.)
Davis, Albert L., assignor to Pritchett & Gold & E. P. S. Company, Limited, London, England. Vent plug for electric accumulators and the like. 1,583,871; May 11.
Davis, Anna B. (See Davis, Stewart K. and A. B.)
Davis, Anthony E., Philadelphia, Pa. Sign exhibitor. 1,584,218; May 11.
Davis, Arthur B., Springfield, Ohio. Method of and device for registering printing plates. 1,583,825; May 11.
Davis, Daniel W., Beaumont, Tex. Mosquito net. 1,583,872; May 11.
Davis, Elisha R., Hazard, Nebr. Calf weaner. 1,584,437; May 11.
Davis, H. K. (See Palmer, John, assignor.)
Davis, Stewart K. and A. B., Denver, Colo. Rapid and changeable drill for mathematics, phonics, and silent reading. 1,584,513; May 11.
Davis, Tray, Berkeley, assignor to Bunting Iron Works, San Francisco, Calif. Oil burner. 1,584,617; May 11.
Day, Harry S., Hawthorne, assignor to Pennsylvania Textile Mills Inc., Clifton, N. J. Textile fabric. Des. 70,099; May 11.
Day, Harry S., Hawthorne, assignor to Pennsylvania Textile Mills Inc., Clifton, N. J. Textile fabric. Des. 70,100; May 11.
Day, William E., jr., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. High lead-bronze alloy and manufacturing the same. 1,584,706; May 11.
Dayton Portable Typewriter Company. (See Carpenter, C. U., and Brandt, assignors.)
Dayton Pump & Manufacturing Company, The. (See Williams, Gilbert H., assignor.)
Dayton Scale Company. (See Boyer, Frederick G. L. and E. E. L., assignors.)
Deardorff, Ralph W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for balancing out radiointerference on wire lines. 1,583,826; May 11.
Dec, Joseph S., Vancouver, British Columbia, Canada. Gold dredge. 1,584,277; May 11.
Decker, Thomas, Chattanooga, Okla. Measuring grain device. 1,584,571; May 11.
Deeter, George, Burbank, Calif. Exhaust stove for automobiles. 1,584,514; May 11.
Degheghi, Milan. (See Reinknecht, Hermann, assignor.)
Delas, Albert, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y. Jet condenser. 1,584,515; May 11.
Delas Condenser Corporation. (See Delas, Albert, assignor.)
Demars, Joseph L., Fair Haven, Mich. Shovel or like implement. 1,583,916; May 11.
De May, John, assignor to The Packard Motor Car Company, Detroit, Mich. Aluminum solder. 1,584,219; May 11.
Dement, Isaac S., Dayton, Ohio. Automobile brake. 1,584,358; May 11.
Demuth, Alfred M., Chicago, Ill. Cooking apparatus. 1,584,516; May 11.
Denyes, Harry M., assignor to General Motors Corporation, Saginaw, Mich. Steering gear. 1,583,962; May 11.
Derry, Charles H., Alliance, Ohio. Radiocabinet. Des. 70,101; May 11.
Dessaints, Zotique, Riviere du Loup en Bas, Quebec, Canada. Fire-hose coupling. 1,584,278; May 11.
Devlin, William, Chicago, Ill. Artificial denture. 1,584,438; May 11.
D'Humy, Fernand E., Englewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Plural duplex system of telegraphy. 1,584,683; May 11.
Dimino, Vincenzo, and O. Morriale, Rochester, N. Y. Fluid motor and pump or compressor. 1,584,016; May 11.
Dinkelberg, Frederick P., Evanston, Ill. Apparatus and method for handling and storing automobiles. 1,584,080; May 11.
Dinkelberg, Frederick P., Evanston, Ill. Apparatus for handling and storing automobiles. 1,584,517; May 11.
Ditscher, Karl. (See Schott, E., Hasenstein, and Ditscher.)
Ditto, Marvin W., New York, N. Y. Apparatus for separating coal. 1,584,017; May 11.
Dobrynin, Akim P., Chicago, Ill. Curing and preserving fish. 1,583,782; May 11.
Donaldson, William A., Brooklyn, N. Y. Apparatus for grinding and polishing precious stones. 1,583,963; May 11.
Donnelly, Bernard P., Holland, Mich. Vehicle curtain construction. 1,583,917; May 11.
Donnelly, William T. (See Dumas, Joseph S., assignor.)
Dornbusch, Josef, Crefeld, Germany. Wall paper or similar article. Des. 70,102; May 11.
Dostal, Joseph L., and W. S. Anderson, assignors to E. Holley, Detroit, Mich. Metal mold. 1,584,018; May 11.
Douglas Wise Driver. (See Edenborough, Harold, assignor.)
Douglass, Isabel S. (See Douglass, John L., assignor.)
Douglass, John L., assignor to I. S. Douglass, New York, N. Y. Bumper. 1,584,081; May 11.
Doving, Charles, Great Falls, Mont. Concrete wall construction. 1,584,019; May 11.

Drake, Charles, Mannington, W. Va. Coupling. 1,584,439; May 11.
Drake, Herbert W., East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Duplex system of telegraphy. 1,584,684; May 11.
Drake, William F., Pueblo, Colo. Auto cover. 1,584,518; May 11.
Draper Corporation. (See Hudson, Walter C., assignor.)
Draper Corporation. (See Keegan, Patrick, assignor.)
Draper Corporation. (See McCarvey, Julius E., assignor.)
Driggers, John T., Tampa, Fla. Stop gauge. 1,583,964; May 11.
Dritz, Arthur M., New York, N. Y. Support for work-magnifying lenses. 1,584,519; May 11.
Drummond, Katherine L., assignor to T. Buettner & Co., Inc., Chicago, Ill. Laundry bag. Des. 70,103; May 11.
Dubilier Condenser & Radio Corporation. (See Cunningham, Richard H., assignor.)
Dubois-Reymond, Alard. (See Hahnemann W., and du Bois-Reymond, Rother, Rudolph, and Wolff.)
Duesenberg, Frederick S., Indianapolis, Ind. Crank shaft for internal-combustion engines. 1,584,279; May 11.
Duesenberg, Frederick S., Indianapolis, Ind. Brake. 1,584,280; May 11.
Duff, Harry. (See Plum, S. H., 2d, and Duff.)
Dumas, Joseph S., assignor to W. T. Donnelly, Montreal, Canada. Electric heater. 1,584,281; May 11.
Dunbar, Frank H. (See Hoff, Leigh P., assignor.)
Duncan, Joseph S., and U. G. Lee, assignors to Addressograph Company, Chicago, Ill. Printing and addressing machine. 1,584,020; May 11.
Duncan, William G., Rockfield, Ky. Piston and ring 1,584,520; May 11.
Dunn, Halbert L., New York, N. Y. Optical apparatus. 1,583,965; May 11.
Dunn, Harry E., assignor of one-half to W. E. Dunn, Holland, Mich. Coating building blocks. 1,583,918; May 11.
Dunn, Lewis M., Arlington, Kans. Rim-cleaning tool. 1,584,021; May 11.
Dunn, William E. (See Dunn, Harry E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Moran, Robert C., assignor.)
Ebbert, Daniel F., Wheeling, W. Va. Warning signal. 1,584,521; May 11.
Eckstein, Benjamin. (See Leviten H., and Eckstein.)
Economies Research Company. (See Squires, John, assignor.)
Edenborough, Harold, Chelsea, London, assignor to Douglas Wise Driver, Ashford Hill, near Newberry, Berkshire, England. Engine-governing device. 1,584,522; May 11.
Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Centrifugal speed governor. 1,583,783; May 11.
Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
Egbert, Charles C., Niagara Falls, N. Y. Pressure-relief device. 1,584,523; May 11.
Egry Register Company, The. (See Neth, George J., assignor.)
Eichholz, William, Cicero, Ill. Impregnated-wood brake lining and making same. 1,583,966; May 11.
Eisenbach, Peter, Detroit, Mich. Spring wheel. 1,584,082; May 11.
Eisenbach, Peter, Detroit, Mich. Spring wheel. 1,584,083; May 11.
Elbertz, Frank V., assignor of one-half to B. F. Everitt Company, Detroit, Mich. Automobile driving gear. 1,584,359; May 11.
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Elliott, Richard C., London, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Production of justified lines of single type. 1,584,440; May 11.
Elliott, Wilfred Kirkburton, near Huddersfield, England. Container or box for thermionic valves, incandescent electric lamps, and the like. 1,584,084; May 11.
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Emmers, John W. (See Pomije, T. A., and Emmers.)
Engelken, Frederick H., East Palatka, Fla. Dispensing device. 1,584,441; May 11.
England, James F., Lebanon, Mo. Mail-box support. 1,584,085; May 11.
Englund, Leonard H., Minneapolis, Minn. Cleaning composition with a fluorescent concentration indicator. 1,584,022; May 11.
Epps, Robert E., jr., Bellbuckle, Tenn. Knife. 1,583,967; May 11.
Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rack for shoe holders. 1,583,784; May 11.
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-surfacing car or table. 1,583,785; May 11.
Evans, Walter P. and C. E. Horton, Los Angeles, Calif. Automobile service jack. 1,584,169; May 11.
Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Folding mechanism. 1,584,360; May 11.
Everitt, B. F., Company. (See Elbertz, Frank V., assignor.)
Every, Gaines O. B., Baltimore, Md. Cargo trimmer. 1,584,442; May 11.
Farkouh, Henry, Brooklyn, N. Y. Portable radio receiving set. 1,584,220; May 11.
Faulkener, George W. (See Bausinger, H. C. jr., Faulkener, and Turner.)
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 70,104; May 11.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 70,105; May 11.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills., Inc., Clifton, N. J. Textile fabric. Des. 70,106; May 11.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Pennsylvania Textile Mills., Inc., Clifton, N. J. Textile fabric. Des. 70,107; May 11.
Federal Pressed Steel Company. (See Hansen, F. D., and Tinker, assignors.)
Filer & Stowell Co., The. (See Tanner, Daniel R., assignor.)
Fischer, Albert C., Chicago, Ill. Expansion-joint installer. 1,584,443; May 11.
Fischer, Howard L., St. Paul, Minn. Shingle. 1,584,023; May 11.
Fischer, Louis G., Camp Hill, and M. G. Hilpert, Harrisburg, Pa., assignors, by mesne assiguments, to Bethlehem Steel Company. Apparatus for operating airship-shed doors. 1,584,172; May 11.
Fishbach, Walter M., Milwaukee, Wis. Guard-rail structure for toy railway tracks. 1,583,968; May 11.
Fishel, Alvin S., Cleveland, Ohio. Brake supporting and operating mechanism. 1,584,361; May 11.
Fisher, Raymond C., assignor to North East Electric Company, Rochester, N. Y. Ground connection. 1,584,524; May 11.
Fitzgerald, Jeremiah C., Kilbourn, Wis. Drinking bowl for animals. 1,584,362; May 11.
Fleming, Robert G., Bloomfield, N. J., assignor to Smokador Manufacturing Co. Inc., New York, N. Y. Gripper for smokers' stands. 1,584,024; May 11.
Flick, Rudolph, Arcadia, Calif. Cautery. 1,584,444; May 11.
Flora, Ellsworth E., Chicago, Ill., assignor to Consolidated Steel Strapping Company. Seal. 1,583,919; May 11.
Fonda, Lester T., Ames, Iowa. Sewing machine. 1,584,086; May 11.
Ford Instrument Company. (See Tanner, Harry L., assignor.)
Fowler, Jonathan O., New York, assignor to G. Messig, Brooklyn, N. Y. Music-roll-feed mechanism. 1,584,282; May 11.
Foz Bello, Francisco, Barcelona, Spain. Instrument for circularly grooving tubes, decanters, and other glass pieces. 1,584,572; May 11.
Franck, Marcel. (See Vendome, R., and Marcoux, assignors.)
Fraser, Frank, assignor to American Optical Company, Southbridge, Mass. Eyeglass-rim-forming machine. 1,584,283; May 11.
Frauenberger, Carl F., Hartford, Conn., assignor, by mesne assignments, to S. H. Rosenberg, Brooklyn, N. Y. Sheet-feeding mechanism. 1,584,445; May 11.
Frauenberger, Carl F., Long Island City, assignor to S. H. Rosenberg, Brooklyn, N. Y. Tripping mechanism for creasers, cutters, and the like. 1,584,446; May 11.
Frauenberger, Carl F., Long Island City, assignor to S. H. Rosenberg, Brooklyn, N. Y. Safety paper stop gauges. 1,584,447; May 11.
Fredrick, Bertha G., White Bear Lake, Minn. Right-fender side light. 1,584,025; May 11.
Freeble, Thomas M., Rochester, assignor of one-half to C. Schuster, Pittsburgh, Pa. Operating brakes. 1,584,363; May 11.
Freeland, Gus, Kennelworth, Utah. Lunch bucket. 1,583,920; May 11.
Freeman, Clara, Philadelphia, Pa. Brassière. 1,584,525; May 11.
Fricke, Robert, assignor of one-fourth to E. W. Greene, Waipahu, Oahu, and one-fourth to W. G. Hall, Honolulu, Hawaii. Cane car. 1,583,873; May 11.
Fricke, Robert, assignor of one-fourth to E. W. Greene, Waipahu, Oahu, and one-fourth to W. G. Hall, Honolulu, Hawaii. Cane car. 1,583,874; May 11.
Froussard, Albert F., St. Louis, Mo. Cylinder-boring machine. 1,583,786; May 11.
Fuller, Earl C., Newhill, N. C., assignor to Leake-Fuller Sales Company. Radius-rod safety lock. 1,584,526; May 11.
Fuller, Emory A., Ann Arbor, Mich. Table. 1,584,364; May 11.
Fuller-Gates Company, The. (See Gates, Frederic P., assignor.)
Fuller, Lewis L., Vincent, Ohio. Fire-line-splicing needle. 1,584,365; May 11.
Fulton, Nell, New York, N. Y. Hair curler. 1,584,527; May 11.

Garber, Harvey, Orange, Calif. Hollow tile. 1,583,921; May 11.
Garnham, Arthur J., London, England. Back rest or ground seat. 1,584,448; May 11.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company, Rock-drilling mechanism. 1,584,026; May 11.
Gates, Frederic P., West Hartford, assignor to The Fuller-Gates Company, Hartford, Conn. Electric switch. 1,584,366; May 11.
Gates, Frederic P., West Hartford, assignor to The Fuller-Gates Company, Hartford, Conn. Snap switch. 1,584,367; May 11.
Gaumont, Léon, assignor to Societe des Etablissements Gaumont, Paris, France. Loud-speaking electromagnetic receiver. 1,584,170; May 11.
Gear Grinding Company Limited, The. (See Orcutt, H. F. L., and Snarry, assignors.)
Geiger, Earl L., Dayton, Ohio. Preparing plates for the printing of impressions. 1,584,368; May 11.
Gelder, Mark, Chicago, Ill. Automobile jack and rim tool. 1,584,087; May 11.
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Penney, Frank H., assignor.)
General Electric Company. (See Renfel, Heinrich M. H., assignor.)
General Motors Corporation. (See Blackmore, L., and Voeke, assignors.)
General Motors Corporation. (See Bull, Arthur A., assignor.)
General Motors Corporation. (See Denyes, Harry M., assignor.)
General Motors Corporation. (See Walters, Vernon E., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
Gerrard, Alec J., and P. Wright, Chicago, Ill., and S. Peacock, Wheeling, W. Va.; said Wright and said Peacock assignors to said Gerrard. Method and apparatus for making tin plate. 1,584,221; May 11.
Gersman, Harvey M., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded-sheet-metal structural members. 1,583,787; May 11.
Gilman, Alexander G., Kalamzoo, Mich. Method of and apparatus for finishing paper. 1,583,788; May 11.
Gilmore, Thomas S., La Grande, Oreg. Pneumatic sander. 1,584,027; May 11.
Gilmore, William L. (See Mummert, H. C., and Gilmore.)
Gittins, George E. (See Contes, W. A., Gittins, and Davies.)
Glafcke, Paul E., Denver, Colo. Railway grade crossing. 1,584,088; May 11.
Glidden, Alfred A. (See Grabau, Hans E., assignor.)
Globe Match Corporation. (See Markowitz, Nathan M., assignor.)
Goldfisch, Philip A., Kansas City, Mo. Digestion apparatus. 1,584,089; May 11.
Goode, Gilbert C., assignor to The White Motor Company, Cleveland, Ohio. Rear-housing structure. 1,583,789; May 11.
Goodell Pratt Company. (See Arnold, George A., assignor.)
Goodrich, Robert J. (See Gubelmann, I., and Goodrich.)
Goodyear Tire & Rubber Company, The. (See Schrock, Charles L., assignor.)
Goss Printing Press Company. (See Evensen, William, assignor.)
Gottlicher, Felix, San Francisco, Calif. Electric switch plate. Des. 70,108; May 11.
Gottschalk, Charles, St. Paul, Minn. Table saw. 1,584,028; May 11.
Gottschalk, Charles, St. Paul, Minn. Cordwood saw. 1,584,029; May 11.
Gowen, Robert F., Ossining-on-Hudson, N. Y. Tongs. Des. 70,109; May 11.
Grabau, Hans E., New York, N. Y., assignor, by mesne assignments, to A. A. Glidden, Watertown, Mass. Tire casing. 1,584,284; May 11.
Graham Glass Company, The. (See Lents, John M., assignor.)
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Headlight. 1,584,369; May 11.
Graham, William P., New York, N. Y. Plate or analogous article. Des. 70,110; May 11.
Graham, William P., New York, N. Y. Plate or analogous article. Des. 70,111; May 11.
Graham, William P., New York, N. Y. Plate or analogous article. Des. 70,112; May 11.
Grainger, James G., Richmond, assignor to G. A. Knox, Oakland, Calif. Thermostatic compensator for chronometers and watches. 1,584,528; May 11.
Grand Rapids Refrigerator Company. (See Whittier, Walter H., assignor.)
Grant, Harry L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Protecting device for electric detonators. 1,583,922; May 11.
Gray, Walter H., Davenport, Iowa. Pin-setting mechanism for bowling alleys. 1,584,030; May 11.
Green, Allan, Sutton, near Keighley, assignor to David Brown and Sons (Huddersfield) Limited, Lockwood, Huddersfield, York, England. Generating gear teeth. 1,583,790; May 11.
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Loading transmission lines. 1,583,827; May 11.
Green, Oscar, New York, N. Y. Receptacle. 1,584,370; May 11.
Greene, Ernest W., et al. (See Fricke, Robert, assignor.)
Greenstreet, Oliver P., assignor of one-half to J. T. Tate, Owensville, Mo. Metallic shingle. 1,583,969; May 11.
Gregory, Oscar T., Chicago, Ill., assignor of one-half to T. H. Curd, Paducah, Ky. Flytrap. 1,584,529; May 11.
Griffin, Sidney S., Detroit, Mich. Steering sleigh. 1,584,530; May 11.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Severing rubber. 1,584,371; May 11.
Grono, Michael V., Yonkers, N. Y. Bag-handling mechanism. 1,583,875; May 11.
Grübler, Erhard, Borsdorf, near Leipzig, Germany. Railway motor car. 1,584,090; May 11.
Grützner, Arthur, Meissen-on-the-Elbe, Germany. Device for adjusting the stroke of feed pumps for lubricator pumps. 1,584,449; May 11.
Gubelmann, Ivan, and R. J. Goodrich, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Purification and isolation of anthraquinone beta sulphonic acid. 1,584,372; May 11.
Gugliuzzi, Nicholas, Ansonia, Conn. Curtain fixture. 1,584,285; May 11.
Gulde, Lester G., Minneapolis, Minn. Light dimmer. 1,584,286; May 11.
Gwatkin, Benjamin F. (See Randall, Victor E. and R. V., assignors.)
Haenicke, Arthur, Berlin-Tempelhof, Germany. Machine for sewing on buttons. 1,584,287; May 11.
Hagnn, Hugh L., Oakland, assignor to Wheel O'Fortune Slide Company, San Francisco, Calif. Stereopticon slide. 1,584,531; May 11.
Hager, John E., Mentor, Ohio. Process of and apparatus for making composite sheets. 1,584,450; May 11.
Haggerty, Charles E., Vancouver, British Columbia, Canada. Advertising device. 1,583,970; May 11.
Habnemann, Walter, Kitzeberg, near Kiel, assignor to Signal Gesellschaft m. b. H., Kiel, Germany. Submarine sound signaling apparatus. 1,583,876; May 11.
Hahnemann, Walter, Kitzeberg, near Kiel, A. du Bois-Reymond, Plon, near Kiel, and E. Rother, W. Rudolph, and G. Wolff, Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Testing materials. 1,583,877; May 11.
Hall, Charles V., Washington, D. C. Tire patch. 1,583,878; May 11.
Hall, William G., et al. (See Fricke, Robert, assignor.)
Hall, William L. (See Smith, Louis, assignor.)
Hallock, William I., Culver City, assignor of one-half to J. E. Behme, Eagle Rock City, Calif. Table-adjusting device for planers and the like. 1,583,879; May 11.
Halowax Corporation. (See Brown, Sandford, assignor.)
Hamaker, W. N. (See Carpenter, Wm. James, assignor.)
Hamblin, Charles S., Northfield, Minn. Combination camp knit and table. 1,584,532; May 11.
Hamilton, Francis F., Indianapolis, Ind. Box. Des. 70,113; May 11.
Hammergren, Carl, Vancouver, British Columbia, Canada. Match safe. 1,584,288; May 11.
Hammermeister, Otto. (See Moecker, H., jr., Hammermeister, and Thompson.)
Hammond, William F., and M. L. Barber, Kansas City, Mo. Wardrobe apparatus. 1,583,971; May 11.
Hands, Howard A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal for resistors. 1,584,533; May 11.
Hanlnan, Charles J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,584,222; May 11.
Hanna, John G., Dunedin, Fla. Extinguishing oil or gas well fires. 1,584,534; May 11.
Hannaford, Cleon M. (See Maddox, P., and Hannaford.)
Hannauer Car Retarder Company. (See Hannauer, G., and Wilcox, assignors.)
Hannauer, George, and E. M. Wilcox, Calumet City, assignors to Hannauer Car Retarder Company, Chicago, Ill. Track-skate-placing device. 1,584,031; May 11.
Hansen, Frederick D., and H. W. Tinker, assignors to Federal Pressed Steel Company, Milwaukee, Wis. Bumper for vehicles. 1,583,923; May 11.
Hansen, Hans, Marshfield, Oreg. Sliding door. 1,584,289; May 11.
Hardesty, Rudd, Denver, Colo. Flume construction. 1,584,290; May 11.
Hardie, Ernest C. (See Markle, G. W., and Hardie.)
Harding, Stedman D. (See Schaub, J., and Harding.)
Harker, Charles O., Grand Junction, Iowa. Animal-trap structure. 1,584,091; May 11.
Harkness, Harold E. (See Wilson, C. M., and Harkness.)

Harris, John, Cleveland, Ohio. Gaseous fuel. 1,584,291; May 11.
Harris, Marcus R. (See Widenmann, T. W., and Harris.)
Harris, Peter A., Chicago, Ill. Dental impression tray. 1,584,092; May 11.
Harris, Rex, San Diego, Calif. Golf practice game apparatus. 1,584,093; May 11.
Harrison, Newton, Milford, Conn. Storage battery. 1,584,094; May 11.
Harrold, John G., Newark, N. J. Fire-extinguishing apparatus. 1,583,880; May 11.
Harshberger, Norman P., assignor to Tee-Lok Shingle Company, Chicago, Ill. Shingle machine. 1,584,095; May 11.
Hart, Austin H., Greenwich, Conn., assignor to Rome Radiation Company, Inc., Rome, N. Y. Electrically welding highly-electrically-conductive materials. 1,584,018; May 11.
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Hartford-Empire Company. (See Keller, John R., assignor.)
Hasenstein, Arthur. (See Schott, E., Hasenstein, and Ditscher.)
Hauer, Leon C. (See Pannier, O. M., and Hauer.)
Hawn, Ralph M., assignor of one-half to A. M. Allen, Cleveland, Ohio. Motor bus. 1,584,292; May 11.
Hayes, Harvey C., Washington, D. C. Method and apparatus for transmitting and reproducing sounds. 1,584,451; May 11.
Hayes, Ira P., Eckford, Mich. Poultry feeder. 1,583,828; May 11.
Haynsworth, Julius D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,584,535; May 11.
Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Method and apparatus for burning fuels. 1,584,452; May 11.
Healy, James H. (See Healy, John A. and J. H.)
Healy, John A., Langdon, and J. H. Healy, St. Paul, Minn. Drainage fitting. 1,583,924; May 11.
Healy, John A., Langdon, and J. H. Healy, St. Paul, Minn. Poultry drinking fountain. 1,584,536; May 11.
Heberling, John, Rochester, N. Y. Pinwheel. 1,583,881; May 11.
Hedeen, Arthur, Portland, Oreg. Fume and heat removing device. 1,584,707; May 11.
Hegenbarth, Francis, St. Louis, Mo. Wave motor. 1,584,293; May 11.
Heise, Henry W., assignor of one-third to J. A. Johnson and one-third to H. J. Scharf, Racine, Wis. Disappearing safe. 1,584,294; May 11.
Helms Company, The. (See West, Charles E., assignor.)
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 1,583,925; May 11.
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 1,583,926. May 11.
Henderson, Eldon C., San Francisco, Calif. Leaning support for motor cycles and the like. 1,584,096; May 11.
Herbert, Donald H., Spokane, Wash. Woodworking machine. 1,583,829; May 11.
Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Dash lamp. 1,584,373; May 11.
Herrick, Roy W., Jackson, Mich. Apparatus for molding lock slots of bayonet locks. 1,584,171; May 11.
Hersleb, William, assignor to Binks Spray Equipment Co., Chicago, Ill. Paint container for spray appliances. 1,583,927; May 11.
Hess, Arthur, assignor of one-half to S. D. Marsh, Los Angeles, Calif. Waste drain. 1,584,453; May 11.
Heusser, Wilfrid, Salt Lake City, Utah. Telephone receiver. 1,583,882; May 11.
Heusser, Wilfrid, Salt Lake City, Utah. Center column with appurtenances for precision balances. 1,583,883; May 11.
Heyn, Gertrude H. (See Jahn, B., and Kahl, assignors.)
Hicks, William E., St. Louis, Mo. Golf tee and target. 1,583,830; May 11.
Hill, Leland H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Liquid deoxidizer. 1,584,537; May 11.
Hilper, Meier G. (See Fischer, L. G., and Hilpert.)
Hinchey, James M., Rutland, Vt. Scale-beam pivot. 1,584,538; May 11.
Hobe, William W., New York, N. Y. Button. Des. 70,114; May 11.
Hochriem, Gustav F., Chicago, Ill. Weighing scale. 1,584,097; May 11.
Hoff, Leigh P., Cleveland, Ohio, assignor, by mesne assignments, to Frank H. Dunbar. Hopper construction. 1,584,295; May 11.
Hoffman, Leon F., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Automatic low-pressure control apparatus for compressors. 1,584,032; May 11.
Hohmann, Wilhelm, Delitzsch Bezirk Halle, assignor to Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Method of and apparatus for printing indexing symbols on films. 1,584,296; May 11.
Holgaard, Conrad J., Minneapolis, Minn. Tent structure. 1,583,831; May 11.
Holgaard, Conrad J., Minneapolis, Minn. Tent-window structure. 1,583,832; May 11.
Holaday, Emil, and L. S. Whipp, Springfield, Ohio. Metal-frame screen. 1,583,972; May 11.
Hollander, Samuel, and E. I. Weisberg, Cleveland, Ohio. Dental impression tray. 1,583,928; May 11.
Holley, Earl. (See Dostal, J. L., and Anderson, assignors.)
Holman, Arthur J., Boston, Mass. Projecting apparatus for moving-picture machines. 1,584,098; May 11.
Holmes, Ralph C., New York, N. Y., and F. T. Manley, Houston, Tex., assignors to The Texas Company, New York, N. Y. Apparatus for cracking oils. 1,583,973; May 11.
Holzapfel, Albert C., New York, N. Y. Antiseptic. 1,584,173; May 11.
Homa, Antone. (See Timser, Gustaf K., assignor.)
Honey-Suckle Inns, Inc. (See Jordahl, Anders.)
Honigmann, Ludwig, Bad Tolz, Bichlerhof, Germany. Annular furnace with revolving hearth for continuous working. 1,583,974; May 11.
Honius, Edward F., North Manchester, Ind. Tool. 1,584,374; May 11.
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. Des. 70,115; May 11.
Hopkins, Nevil M., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Focusing and switch mechanism. 1,584,539; May 11.
Horspool, Francis L., and J. C. Miles, Salt Lake City, Utah. Rotary liquid brake. 1,584,223; May 11.
Horton, Calude E. (See Evans, W. P., and Horton.)
Howarth, Harry A. S., assignor, by mesne assignments, to Kingsbury Machine Works, Inc., Philadelphia, Pa. Air-cooled thrust bearing. 1,584,174; May 11.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,584,224; May 11.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,584,225; May 11.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,584,226; May 11.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train control. 1,584,227; May 11.
Howell, Robert R., Minneapolis, Minn. Chute. 1,583,833; May 11.
Hudson, Walter C., Anderson, S. C., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting temple. 1,584,375; May 11.
Hueckler, Rudolf. (See Johnson, W. A., and Hueckler.)
Huey, George W., Wilkinsburg, and H. D. James, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Magnet contactor. 1,584,540; May 11.
Hull, Samuel P., New York, N. Y. Light signal. 1,584,541; May 11.
Humphrey, Herbert S., Kalamazoo, Mich. Check valve. 1,583,834; May 11.
Humphrey, Vonnie D., Lake View, S. C. Fan. 1,584,542; May 11.
Hunt, Richard E., Toronto, Ontario, Canada. Insect and germ trap and destroyer. 1,583,975; May 11.
Hunt, Warren T., assignor to The Willys-Overland Company, Toledo, Ohio. Brake for automotive vehicles. 1,584,297; May 11.
Huth, Walter H. (See Minnium, Byron B., assignor.)
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door-operating mechanism. 1,583,835; May 11.
Hyde, Ralph M., Westfield, N. Y. Regulator for steam generators. 1,584,685; May 11.
Ickis, John G., Adena, Ohio. Banditproof window for bank inclosures. 1,583,836; May 11.
Ickes, John G., Adena, Ohio. Window for bank inclosures. 1,583,837; May 11.
Ideal Advertising Corporation. (See Manning, Russell T., assignor.)
Ile, William, Jackson, Mich. Attachment plug for electric heating devices. 1,583,884; May 11.
Increase Engineering System. (See Monroe, Frank A., assignor.)
Interflash Signal Corporation. (See Karlson, Gustav V., assignor.)
International Motor Company. (See Day, William E., jr., assignor.)
International Precipitation Company. (See Weiskopf, Charles H., assignor.)
Irons, George F., Regina, Saskatchewan, Canada. Refrigerator drip pan. 1,584,175; May 11.
Isnow, Demetry. (See Aller, J., and Isnow.)
Jackson, Roy C., assignor of one-half to C. A. Thomas, Seattle, Wash. Douching and irrigating apparatus. 1,584,228; May 11.
Jacob, Joseph A., Sawyer, Wis. Drinking cup or trough for animals. 1,584,298; May 11.
Jaffe, Sam. (See Yaffe, Simcha.)
Jahn, Berthold, and E. E. Kahl, New Britain, assignor, by mesne assignments to G. H. Heyn, Compo Cove, Westport, Conn. Staple binder. 1,583,929; May 11.

James, Henry D. (See Huey, G. W., and James.)
Janson, George W. (See Atherton, A., and Janson.)
Jantz, Herbert O. (See Jantz, Otto W. and H. O.)
Jantz, Otto W. and H. O., Cincinnati, Ohio. Mechanism for cleaning metallic containers. 1,583,930; May 11.
Jaroslawski, Simon A., Paris, France, assignor to Ybry, Inc., New York, N. Y. Bottle or similar container for perfumes and the like. Des. 70,116; May 11.
Jemtegaard, Benedict O., Washougal, Wash. Gate latch. 1,584,176; May 11.
Jenaer Glaswerk Schott and Gen. (See Schott, E., Hasenstein, and Ditscher, assignors.)
Jenkins, Arthur D., E. T. Brook, W. S. Davidson, and P. F. Brittain, London, England. Trip valve for use with the air brakes of railway vehicles. 1,584,299; May 11.
Jenkins Bros. (See Yardley, Farnham, assignor.)
Jenks, Charles, and C. E. Nelson, Darlington, Wis. Pan. 1,584,543; May 11.
Jennings, James T. (See Black, Walter A., assignor.)
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metering panel boards. 1,584,544; May 11.
Jewell, William M., assignor to Chlorine Products Company, Chicago, Ill. Method of and apparatus for liquefying chlorine gas. 1,584,376; May 11.
Johns-Manville, Inc. (See Wardell, Henry R., assignor.)
Johnson, Bernard, Boydell, Ark. Railway-crossing gate. 1,584,177; May 11.
Johnson, Ernest S., Webster City, Iowa. Ironing board. 1,584,377; May 11.
Johnson, Henry L., Roslindale, Boston, Mass. Convertible body for vehicles. 1,584,545; May 11.
Johnson, John F., Bellevue, Pa., assignor to Pittsburgh Plate Glass Company. Plaster-gun apparatus 1,583,838; May 11.
Johnson, Joseph A., et al. (See Heise, Henry W., assignor.)
Johnson, Walter A., and R. Hueckler, Three Rivers, Mich. Testing machine. 1,584,300; May 11.
Johnston, William E., Pittsburgh, Pa. Manufacturing hollow chocolate articles. 1,583,839; May 11.
Jones & Laughlin Steel Corporation. (See Jones, William L., assignor.)
Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
Jones, Mortimer, Fort Worth, Tex. Natural-gas burner. 1,584,546; May 11.
Jones, Ralph E., Columbus, Ga. Game apparatus. 1,584,547; May 11.
Jones, Richard M., Northampton, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,583,840; May 11.
Jones, William L., Pittsburgh, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Rolling angles. 1,584,378; May 11.
Jordahl, Anders, New York, assignor to Honey-Suckle Inns, Inc., Brooklyn, N. Y. Vending-machine casing. Des. 70,117; May 11.
Joubert, Joseph F., San Francisco, Calif. Pressing machine. 1,584,229; May 11.
Joyce, Bryan P., Davenport, Iowa. Packing ring. 1,583,931; May 11.
Joyce, Bryan P., Davenport, Iowa, assignor to T. A. Conlon, Silver Spring, Md. Fastening device for gun tools. 1,584,301; May 11.
Joyce, Bryan P., Davenport, Iowa. Metallic packing. 1,584,700; May 11.
Juer, George. (See Bindschedler, E., and Juer.)
Kahl, Ernest E. (See Jahn, B., and Kahl.)
Kakiuchi, Tsuneshichi, El Centro, Calif. Plant protector. 1,584,302; May 11.
Kalman Steel Company. (See Gersman, Harvey M., assignor.)
Kalmus, Comstock & Wescott, Incorporated. (See Comstock, D. F., Troland, and Ball, assignors.)
Kane, Jesse C., assignor to Chipman Knitting Mills, Easton, Pa. Yarn feed for knitting machines. 1,584,099; May 11.
Kannenberg, Walter F., St. Paul, Minn. Cleaner for machine-switching banks. 1,584,033; May 11.
Karlson, Gustav V., Elizabeth, N. J., assignor to Interflash Signal Corporation, New York, N. Y. Signal flasher. 1,583,841; May 11.
Karpe, Theodore E., East Enid, Okla. Oil-tank valve. 1,584,548; May 11.
Karr, Alfred D. (See Perkins, K. D., and Karr.)
Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Hydraulic brake safety device. 1,583,976; May 11.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 70,118; May 11.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 70,119; May 11.
Kaynor, Warren F., assignor to Waterbury Button Company, Waterbury, Conn. Radio tube socket. 1,584,303; May 11.
Keating, Daniel A., assignor to The American Tube and Stamping Company, Bridgeport, Conn. Lifting jack. 1,584,549; May 11.
Keegan, Patrick, Fall River, assignor to Draper Corporation, Hopedale, Mass. Transferring mechanism for filling-replenishing looms. 1,584,693; May 11.
Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring hinge. 1,583,842; May 11.
Keep Hot Stopper Co. (See Levinson, Maurice C., assignor.)
Keller, John R., Glenshaw, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,583,932; May 11.
Kelley, John C., West Terre Haute, Ind. Hollow tile for building walls, etc. 1,584,379; May 11.
Kellogg, Charles B., Chicago, Ill. Display card. 1,583,843; May 11.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,584,551; May 11.
Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
Kellogg, Walter B., Superior, Wis. Cream remover. 1,584,550; May 11.
Kelly, Harry G., Omaha, Nebr. Preparing roofing sheets. 1,583,977; May 11.
Kendall, Jessee L., Council, Ark. Fencing tool. 1,583,885; May 11.
Kennedy, Alexander X., Tyrone, Pa., assignor to W. A. Riddell, Frederick, Md. Paper-mill pump. 1,583,978; May 11.
Kennedy, Bert, Gloversville, N. Y. Protecting glove for playing handball. 1,584,304; May 11.
Kennedy, John E., and C. E. Morford, Dayton, Ohio. Switch for electric circuits. 1,584,306; May 11.
Kennedy, John E., assignor of one-half to C. E. Morford, Dayton, Ohio. Operating device for automobile headlight switches. 1,584,305; May 11.
Kenoyer, Samuel A. (See Littlejohn, Norman W., assignor.)
Kent, Daryl H., Vancouver, British Columbia, Canada. Ash can. 1,584,552; May 11.
Kerns, William E., Malvern, Iowa. Lens. 1,583,886; May 11.
Keyton, Henry. (See Smith, W. T., and Keyton.)
Kidder, William E. (See Willson, William P., assignor.)
Kilbourn, Frederick A., Calgary, Alberta, Canada. Show case. 1,583,887; May 11.
Killip, John J., Astoria, Oreg. Awning for automobiles. 1,584,553; May 11.
King, Frank B., Wakefield, Mass. Chain hook. 1,584,307; May 11.
Kingsbury, Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
Kirby, Edmund B., New York, N. Y. Separating metal from the material containing it. 1,583,933; May 11.
Kleine, William O., Cincinnati, Ohio. Globe holder for electric and gas light fixtures. 1,584,554; May 11.
Kleine, William O., Cincinnati, Ohio. Clamp holder. 1,584,555; May 11.
Klotz, Alfred, Munich, Germany. Pneumatic insertion for shoes. 1,584,034; May 11.
Klymax Feeder Company. (See Plum, S. H., 2d, and Duff, assignors.)
Knight, Joseph C., Brockton, Mass. Perforating machine. 1,584,230; May 11.
Knuskern, Floyd B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Indicating closure plug for circuit breakers. 1,584,556; May 11.
Knox, George A. (See Grainger, James G., assignor.)
Knox, Luther L., Bellevue, Pa. Lunch-counter structure. 1,584,035; May 11.
Koch, Henry C., Chicago, Ill. Method and machine for coating roofing and the like. 1,584,557; May 11.
Kochendorfer, Frederic S., River Forest, and H. J. Boe, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Mechanism for treating cables and strands. 1,583,844; May 11.
Kocourek, Henry. (See Aeby, L., and Kocourek.)
Koehring Company. (See Lichtenberg, Erich H., assignor.)
Koepke, Frank L., Ridgefield, Wash. Fish lure. 1,584,100; May 11.
Kohirogawa, Haruichi, New York, N. Y. Necktie holder. 1,584,036; May 11.
Komaska, Charles J., St. Louis, Mo. Collapsible vehicle top. 1,584,037; May 11.
Konik, Edward, New York, N. Y. Gear-cutting machine. 1,584,308; May 11.
Koory, Shickrey B., Schuyler, Nebr. Composition for the removal of paint and varnish. 1,584,231; May 11.
Koretzky, Harry M., New York, N. Y. Portable electric lamp. 1,584,454; May 11.
Kornsweet, Samuel A., Los Angeles, Calif. Telephone attachment; 1,584,038; May 11.
Kostrzewski, Stephen, New Canaan, Conn., assignor to A. Stolzer, New York, N. Y., doing business under the name and style of New England Incandescent Supply Company. Ceiling lighting fixture. Des. 70,120; May 11.
Kovarik, Edward C., New York, N. Y. Umbrella rack. 1,584,101; May 11.
Krabbendam, Cornelis A., and P. H. Linn, Soerabaia, Java. Weighing device with carrier. 1,584,380; May 11.
Krafft, Emil, Weehawken, N. J. Dipper. 1,584,558; May 11.
Kranz, Isidore, New York, N. Y. Electric-lighting fixture. Des. 70,121; May 11.

Kranz, Isidore, New York, N. Y. Electric-lighting fixture. Des. 70,122; May 11.
Kranz, Isidore, New York, N. Y. Electric-lighting fixture. Des. 70,123; May 11.
Kranz, Isidore, New York, N. Y. Bracket arm for lighting fixtures. Des. 70,124; May 11.
Kranz, Isidore, New York, N. Y. Bracket arm for lighting fixtures. Des. 70,125; May 11.
Krebs, August S., Wilmington, assignor to Krebs Pigment & Chemical Company, Newport, Del. Apparatus for calcining crude lithopone and other materials. 1,584,381; May 11.
Krebs Pigment & Chemical Company. (See Krebs, August S., assignor.)
Kretowicz, Peter, Cleveland, Ohio. Propelled sled. 1,584,232; May 11.
Kroger, Fred H., Brooklyn, N. Y., assignor to American Art Works, Coshocton, Ohio. Monitor. 1,584,559; May 11.
Krohn, Henning H., Clearwater, Nebr. Harrow cart. 1,583,888; May 11.
Kruger, Paul W., Boyett, Miss. Dental filling material. 1,584,560; May 11.
Kühn, Ludwig, Charlottenburg, near Berlin, Germany, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Sending system. 1,584,561; May 11.
Kulenkampff, Carl A., Brooklyn, N. Y. Cream-whipping device. 1,584,562; May 11.
Kuykendall, George E., Drumright, Okla. Adjustable shoe for revolving clutches. 1,584,563; May 11.
Lacy, John H., Boston, Mass. Automobile brake guard. 1,584,233; May 11.
La Dew, Burt R., assignor to Ullrich Tinware Company, Chicago, Ill. Pop-corn popper. 1,584,455; May 11.
Laher, Frank J., Portland, Oreg. Vehicle bumper and luggage-carrier support. 1,584,456; May 11.
Lance, Dotry W., Monticello, Ark. Tension device for loom shuttles. 1,584,564; May 11.
Landis Tool Company. (See Steiner, Amos P., assignor.)
Landry, Louis P., Woonsocket, R. I. Stop motion for looms. 1,584,457; May 11.
Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Weather strip. 1,584,309; May 11.
Langer, Konrad, Buffalo, N. Y. Conveying system. 1,584,565; May 11.
Lanston Monotype Machine Company. (See Elliott, Richard C., assignor.)
Lapierre, Raymond, Whipple, Ariz. Fountain shoe polish dauber. 1,584,566; May 11.
Lare, Charles A., Baltimore, Md. Combined photographic printer and enlarger. 1,583,979; May 11.
Larivière, Pierre, Champlain, assignor of one-half to The Sheridan Iron Works, New York, and one-half to T. W. & C. B. Sheridan Company, Champlain, N. Y. Book binding or covering apparatus. 1,583,889; May 11.
Larner, Herbert B. (See North, C. E., and Larner.)
Larson, A. J., et al. (See Rawn, William P., assignor.)
Lashinsky, Isidore M. (See Schwarz, Albert, assignor.)
Latham Machinery Company. (See Leschhorn, Ernest, assignor.)
Latour Corporation. (See Latour, Marius C. A., assignor.)
Latour, Marius C. A., Paris, France, assignor to Latour Corporation, Jersey City, N. J. Audion or lamp relay or amplifying apparatus. 1,584,701; May 11.
Leader Iron Works. (See Maier, Charles J., assignor.)
Leake-Fuller Sales Company. (See Fuller, Earl C., assignor.)
Leblanc, Charles L. A. M., assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. Machine for and method of refrigerating. 1,584,382; May 11.
Leblanc, Charles L. A. M., assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. High-speed electric machine. 1,584,383; May 11.
Ledyard, Elisha G., Sioux Falls, S. Dak. Bottom-dump trailer. 1,584,384; May 11.
Lee, Harry, San Francisco, Calif. Drain fixture. 1,584,102; May 11.
Lee, Harry S., Syracuse, N. Y. Bottle closure. 1,584,103. May 11.
Lee, Ulysses G. (See Duncan, J. S., and Lee.)
Lee, William S. (See Briscoe, F., and Lee.)
Leggett, George R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Can opener. 1,583,934; May 11.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué motif. Des. 70,126; May 11.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué motif. Des. 70,127; May 11.
Leibing, William E., and L. C. Taggart, Oakland, Calif. Packing pad. 1,583,980; May 11.
Leidecker, Frank J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Delivery table for flatwork ironers. 1,584,458; May 11.
Lentaty, Ambrose, Los Angeles, Calif. Clutch. 1,584,104; May 11.
Lenth, George C. D., et al., trustees. (See Schurecht, Harry G., assignor.)
Lents, John M., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,128; May 11.
Lenz, William A., Lebanon, Mo. Reflector. 1,584,105; May 11.
Leschhorn, Ernest, assignor to Latham Machinery Company, Chicago, Ill. Stitching machine. 1,583,935; May 11.
Lesklewicz, Michael, and W. Bartkowiak, Chicago, Ill. Combined picture frame and stand therefor. Des. 70,129; May 11.
Leszkiewicz, Michael, and W. Bartkowiak, Chicago, Ill. Combined picture frame and stand therefor. Des. 70,130; May 11.
L'Esperance, A. D. (See Simmons, Gordon, assignor.)
Levinson, Maurice C., assignor to Keep-Hot Stopper Co., Long Beach, Calif. Electric heating attachment for hot-water bags and the like. 1,584,106; May 11.
Levlten, Harry, Brooklyn, and B. Eckstein, New York, N. Y. Toilet-article holder. Des. 70,131; May 11.
Levolite Co. Inc. (See Siptrott, Paul, assignor.)
Lewis, Ua, Dallas, Tex. Dispensing device for boxes. 1,584,234; May 11.
Leyendecker, Robert E., et al. (See Rein, A., and Liefke, assignors.)
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Concrete-road-finishing machine. 1,584,385; May 11.
Liebeck, Harry, Swarthmore, Pa., assignor, by mesne assignments, to Scott Paper Company. Fourdrinier paper-making machine. 1,583,981; May 11.
Liefke, Rudolf. (See Rein, A., and Liefke.)
Liefke, Rudolf, et al. (See Rein, A., and Liefke, assignors.)
Liefke, R., & Company. (See Rein, A., and Liefke, assignors.)
Lindsay, Harvey B., Oakland, Calif., assignor to Dry Zero Corporation, Wilmington, Del. Method and apparatus for producing bodies formed of separate fibers. 1,584,386; May 11.
Link, William W., Chicago, Ill. Shears. 1,584,459; May 11.
Linn, Pieter H. (See Krabbendam, C. A., and Linn.)
Linskey, George J., Cleveland, Ohio. Loose-leaf binder. 1,584,460; May 11.
Lippert, Richard, New York, N. Y. Meat boiler. 1,584,461; May 11.
Littlejohn, Cynthia P., New Orlans, La. Retaining bedclothes. 1,584,387; May 11.
Littlejohn, Norman W., Neosho, Mo., assignor of one-half to S. A. Kenoyer, Miami, Okla. Lifting jack. 1,584,178; May 11.
Livergood, Gerald R., Houston, Tex. Pipe-engaging slip. 1,584,388; May 11.
Livesay, Jay A., San Diego, Calif. Clothes-cleaning brush. 1,584,107; May 11.
Lloyd, Dorothy J., and R. H. Pickard, assignors to ourselves and The British Leather Manufacturers' Research Association, London, England. Soaking liquor for dried hides and the like. 1,584,462; May 11.
Lloyd, Jerome, Bryn Mawr, Pa. Ventilating system. 1,584,619; May 11.
Locomobile Company of America. (See Tillman, John R., assignor.)
Loeffelman, Thomas, St. Louis, Mo. Reversible plow. 1,584,620; May 11.
Loewer, Henry F., Rochester, N. Y. Machine for turning irregular objects. 1,583,845; May 11.
Lomanitz, Sebastian, Houston, Tex. Insecticide. 1,584,235; May 11.
Long, John E., Marysville, assignor of one-third to I. H. Caplan and one-third to S. Caplan, Fresno, Calif. Automatic retaining valve. 1,584,108; May 11.
Long, William G., Tulsa, Okla. Plug for wells. 1,583,982; May 11.
Lotridge, Edward M. (See Sleppy, Ralph E., assignor.)
Lott, Oral R., Victoria, Tex. Ironing-board support. 1,583,983; May 11.
Lovato, Murdo L., Albuquerque, N. Mex. Extension table. 1,584,621; May 11.
Love, Erclat G., Wichita, Kans. Steering-wheel lock. 1,583,890; May 11.
Lowenthal, Harry N., assignor to R. H. Beaumont Company, Philadelphia, Pa. Feeding mechanism for crushers. 1,584,622; May 11.
Luckey, George P., Dayton, Ohio. Chronometric indicating instrument. 1,583,984; May 11.
Luckie, Mack C., et al. (See Carter, John W., assignor.)
Luckie, William L., et al. (See Carter, John W., assignor.)
Ludlow, George M., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Chart housing and bearing for scales. 1,584,109; May 11.
Lukens, George, East St. Louis, Ill. Shock absorber. 1,584,389; May 11.
MacPherson, Warren, Cambridge, Mass. Footwear. 1,584,626; May 11.
Maddox, Paul, and C. M. Hannaford, Richmond, Va. Brake-beam safety device. 1,584,391; May 11.
Madsen, Charles P., assignor to Madsenell Corporation, New York, N. Y. Electrodeposition of metals. 1,583,891; May 11.
Madsenell Corporation. (See Madsen, Charles P., assignor.)

Magnano Corporation. (See Magnano, Sebastiano, assignor.)
Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Feed magazine. 1,584,236; May 11.
Maier, Charles J., assignor to Leader Iron Works, Decatur, Ill. Automobile oiling and greasing rack. 1,584,463; May 11.
Mallory, Bonnie L., Cleveland, Ohio. Thread protector. 1,584,313; May 11.
Malm, William E., Cleveland, Ohio. Library paste. 1,584,113; May 11.
Mamiya, Fusajiro, Los Angeles, Calif. Folding bicycle. 1,584,314; May 11.
Manley, Frederick T. (See Holmes, R. C., and Manley.)
Manning, Russell T., assignor, by mesne assignments, to Ideal Advertising Corporation, Minneapolis, Minn. Advertising display cabinet and toothpick dispenser. 1,584,237; May 11.
Manning, William M., Seattle, Wash. Journal burner. 1,584,114; May 11.
Maranville, Clarence H., Dallas, Tex. Medicinal applicator. 1,584,464; May 11.
Marcoux, Henri. (See Vendome, R., and Marcoux.)
Marino, Rafael T., Bogota, Colombia. Teaching reading. 1,584,627; May 11.
Markle, George W., Brantford, and E. C. Hardie, Burford Township, Brant County, assignors to Ruddy Manufacturing Company, Limited, Brantford, Canada. Honeycomb-decapping knife. 1,584,392; May 11.
Markowitz, Nathan M., Brooklyn, N. Y., assignor to Globe Match Corporation. Match strip for match-packeting machines. 1,584,628; May 11.
Marles, Henry, London, England. Steering gear for mechanically-propelled vehicles. 1,584,629; May 11.
Marsh, Samuel L. (See Hess, Arthur, assignor.)
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Panel joint. 1,584,393; May 11.
Martin, Thomas F., Eldon, Mo. Game card. 1,584,180; May 11.
Martinov, Milivoj, Salt Lake City, Utah. Baking pan. 1,584,181; May 11.
Mason, William C., Albany, N. Y. Automobile heater. 1,583,846; May 11.
Maxim, Hiram P., Hartford, Conn. Silencer. 1,584,315; May 11.
Mayhew, Ralph, New York, N. Y. Educational game. 1,584,316; May 11.
McBee Binder Company. (See McBee, Charles F., assignor.)
McBee, Charles F., assignor to McBee Binder Company, Athens, Ohio. Lock for loose-leaf binders. 1,584,179; May 11.
McCallum, Charles B., Oakland, Calif. Adjustable ground for plastering. 1,584,110; May 11.
McCarvey, Julius E., Atlanta, Ga., assignor to Draper Corporation, Hopedale, Mass. Cam for looms. 1,584,310; May 11.
McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Vehicle brake. 1,584,111; May 11.
McConnell, James G., Chicago, Ill. Map head. 1,584,112; May 11.
McCoy, Walter E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switchboard. 1,584,623; May 11.
McDonald, Chester A., Port Arthur, Tex. Railway crossing signal. 1,584,624; May 11.
McDonald, Thomas B. (See Clark, P., and McDonald.)
McEwen, John E., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Jack for derrick legs. 1,584,390; May 11.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Engine for use in logging and the like. 1,584,686; May 11.
McKay, Donald, Montgomery, Ala. Automatic safety blow-off cock and valve. 1,584,625; May 11.
McKenna, John T., New York, N. Y. Coat hanger. 1,584,311; May 11.
McKibben, Frank S., Grandin, Mo. Regulator for incubators. 1,583,791; May 11.
McLachlan, Hugh R., Pittsburgh, Pa. Interlocking bonding block. 1,583,985; May 11.
McManus, Charles E., New York, N. Y. Cork-tube-slicing machine. 1,584,312; May 11.
Meehan, Emil, Rastatt, Germany. Motion-picture apparatus. 1,584,317; May 11.
Meier, Heinrich, Unteragerl, Switzerland. Drawing mechanism. 1,583,893; May 11.
Meighan, William A., Portland, Oreg. Portable saw. 1,584,630; May 11.
Meighan, William A., Portland, Oreg. Chain saw. 1,584,631; May 11.
McIville, Herbert J., Detroit, Mich. Foot rest for accelerator pedals. 1,583,894; May 11.
Menger, August, San Antonio, Tex. Indexing device. 1,584,238; May 11.
Merwarth, Albert. (See Merwarth, Samuel M., A., and S. C.)
Merwarth, Samuel M., A., and S. C., Easton, Pa. Plant-forcing device. 1,584,632; May 11.
Merwarth, Sylvester C. (See Merwarth, Samuel M., A., and S. C.)
Messig, George. (See Fowler, Jonathan O., assignor.)
Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Corrector for fire-control systems. 1,584,182; May 11.
Metropolitan Trust Company, trustee, et al. (See Brockett, Bluford W., assignor.)
Meyer, Ferd H., Oakland, Calif. Vehicle wheel. 1,583,986; May 11.
Meyer, Harry R. (See Aspinwall, L. M., and Meyer.)
Meyer, William, Chicago, Ill. X-ray apparatus. 1,584,115; May 11.
Middleton, Guy N. (See Stuart, A. T., and Middleton.)
Miebach, Henry E., and B. Chaplin, Lethbridge, Alberta, Canada. Sealing device for the valve-stem openings of wheel rims. 1,584,633; May 11.
Miles, George M., Flowerfield, Mich, assignor of one-half to Standard Rice Company, Inc., Houston, Tex. Apparatus for the milling of rice. 1,584,183; May 11.
Miles, John C. (See Horspool, F. L., and Miles.)
Milk Oil Corporation, The. (See North, Charles E., assignor.)
Milk Oil Corporation, The. (See North, C. E., and Larner, assignors.)
Miller, Anthony, et al. (See Dakis, Anthony S., assignor.)
Miller, Henry C., Milwaukee, Wis. Loose-leaf booklet. 1,583,847; May 11.
Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. 1,583,848; May 11.
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Miller Rubber Company, The. (See Warner, Raymond M., assignor.)
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Apparatus for vulcanizing rubber articles. 1,584,465; May 11.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Covering. 1,584,694; May 11.
Miller, Wm. M. S. (See Van Valkenburg, Hermon L., assignor.)
Mills, Albert W. (See Corthesy, Jules H., assignor.)
Milwaukee Brass Manufacturing Company. (See Van Eweyk, William F., assignor.)
Miner, George A., Glen Rock, assignor to United Shoe Machinery Corporation, Peterson, N. J. Machine for operating on shoes. 1,584,239; May 11.
Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 1,583,849; May 11.
Minnium, Byron B., assignor to W. H. Huth, Chicago, Ill. Radio receiving apparatus. 1,584,116; May 11.
Mirkin, Max, New York, N. Y. Bathtub. 1,584,240; May 11.
Mitchell, Benjamin A. (See Bernhard, Richard, assignor.)
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Talking machine. 1,584,184; May 11.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Printer. 1,584,185; May 11.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Focusing instrument for cameras and the like. 1,584,186; May 11.
Mitchell, R. Co. (See Clarke, Ralph S., assignor.)
Mitchell, William M., Detroit, Mich. Portable crane. 1,584,117; May 11.
Modern Sign Company. (See Beswicke, Charles L., assignor.)
Moecker, Henry, jr., Homewood, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Cooking top or burner frame for gas ranges or the like. 1,584,118; May 11.
Moecker, Henry, jr., Homewood, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Making cooking tops or burner frames for gas ranges or the like. 1,584,119; May 11.
Moecker, Henry, jr., Homewood, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Right and left hand oven gas range. 1,584,120; May 11.
Moecker, Henry, jr., Homewood, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Oven door. 1,584,121; May 11.
Monarch Metal Products Company. (See Lane, Alfred M., assignor.)
Monfee, Andrew J., Pratt City, Ala. Coupler-operating mechanism. 1,583,987; May 11.
Monroe, Frank A., Jamestown, N. Y., assignor, by mesne assignments, to The Increase Engineering System. Oil-well-cleaning apparatus. 1,584,187; May 11.
Montague, Mary B., Salem, Oreg. Oil retaining and dispensing receptacle for the making of mayonnaise. 1,584,634; May 11.
Moore, Lee C., & Company. (See McEwen, John D., assignor.)
Moore, Lee R., Kansas City, Kans. Tire patch. 1,583,988; May 11.
Moore, Mark M., Minneapolis, Minn. Skipping device. 1,584,122; May 11.

Moorhouse, Alfred, assignor to Packard Motor Company, Detroit, Mich. Motor vehicle. 1,584,188; May 11.
Moran, Robert C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitroglucoside explosive. 1,583,895; May 11.
Morford, Clarence E. (See Kennedy, John E., assignor.)
Morford, Clarence E. (See Kennedy, J. E., and Morford.)
Morgan, Fred, Chicago, Ill. Soldering iron. 1,584,318; May 11.
Morriale, Onofrio. (See Dimino, V., and Morriale.)
Morrill, Charles H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of footwear. 1,583,850; May 11.
Mortensen, Cornelius, Louisville, Ky. Milk-pasteurizing apparatus. 1,583,851; May 11.
Mottier, Walter F., El Campo, Tex. Gear-shifting device. 1,583,989; May 11.
Moulton, George D., et al. (See Bebrends, Nick, assignor.)
Moyer, Charles J. (See Akins, M. I., and Moyer.)
Mráv, Vendel, Trenton, N. J. Resilient tread member for boots and shoes. 1,584,189; May 11.
Mueller, L. J., Furnace Co. (See Mueller, Harold P., assignor.)
Mueller, Harold P., assignor to L. J. Mueller Furnace Co., Milwaukee, Wis. Heater. Des. 70,132; May 11.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,584,241. May 11.
Mummert, Harvey C., Hollis, and W. L. Gilmore, Mineola, assignors to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Airplane landing gear. 1,584,466; May 11.
Mundt, Melvin E., and J. V. Cizek, Cintier, Iowa. Freight-car door. 1,583,990; May 11.
Munley, John P., Archbald, Pa. Gauge glass. 1,584,394; May 11.
Murray, Thomas E. (See Williams, Herbert H., assignor.)
Naamlooze Vennotschap Ingenieursbureau "Securitas." (See Scherbius, Arthur, assignor.)
Nagel, William F., Ensley, Ala. Separator. 1,584,635; May 11.
National Carbon Company. (See Hopkins, Nevil M., assignor.)
Negowski, Theophil, and A. A. Nowicki, Winona, Minn. Tire chain. 1,584,636; May 11.
Negus, Frank G. (See Watt, C. H., and Negus.)
Nelson, Chris E. (See Jenks, C., and Nelson.)
Nelson, Christian B., Chicago, Ill. Fringe-making machine. 1,583,896; May 11.
Nelson, E. G., et al. (See Rawn, William P., assignor.)
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Machine for sewing on buttons or fasteners. 1,583,852; May 11.
Neptune Manufacturing Company. (See Wright, Oliver S., assignor.)
Neth, George J., assignor to The Egry Register Company. Dayton, Ohio. Combined cash drawer and autographic register. 1,583,853; May 11.
Neuviller, Charles V., Paterson, N. J. Doorstop. 1,584,637; May 11.
New England Incandescent Supply Company. (See Kostrzewski, Stephen, assignor.)
New Haven Clock Co. (See Whitehead, Richard H., assignor.)
Newport Company, The. (See Gubelmann, I., and Goodrich, assignors.)
Nichols, Richard J., Kansas City, Kans. Vending machine. 1,584,395; May 11.
Nielsen, Charles I., Philadelphia, Pa. Gold-letter press. 1,584,190; May 11.
Niles, Ray W., Ypsilanti, Mich. Battery-charging device. 1,583,792; May 11.
Nippon Yusen Co. Ltd. (See Arimitsu, Toshiichi, assignor.)
Noble, Kenneth B., Hartford, Conn. Derrick swinger. 1,583,936; May 11.
Norling, Karl A. P. (See Svensson, K. J., and Norling.)
Norris, Elmer B., Buffalo, N. Y. Molding device. 1,584,638; May 11.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Extracting oil from milk. 1,584,122; May 11.
North, Charles E., Montclair, and H. B. Larner, East Orange, N. J., assignors to The Milk Oil Corporation, Wilmington, Del. Obtaining oil and casein from cream. 1,584,124; May 11.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Producing milk oil from sour cream. 1,584,125; May 11.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Emulsifying and converting fats into cream. 1,584,126; May 11.
North East Electric Company. (See Fisher, Raymond C., assignor.)
North & Judd Manufacturing Company. (See Sullivan, Raymond H., assignor.)
Norton Door Closer Company. (See Norton, Lewis C., assignor.)
Norton, Lewis C., assignor to Norton Door Closer Company, Chicago, Ill. Leak-stop construction. 1,584,127; May 11.
Nowicki, Aloysius A. (See Negowski, T., and Nowicki.)
Nuhring, Charles, Cincinnati, Ohio. Indicator for fire extinguishers. 1,584,128; May 11.
Oatman, Marta, Los Angeles, Calif. Doll. Des. 70,133; May 11.
Oatman, Marta, Los Angeles, Calif. Doll. Des. 70,134; May 11.
Obersohn, Albert, Berlin-Charlottenburg, W. Wachtel, Berlin, D. Sakom, Wiesbaden, and P. Askenasy, Karlsruhe, assignors to Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Manufacture of colloidal substances in the form of small balls or grains. 1,584,129; May 11.
Oki, Matsuo, Van Nuys, Calif. Scraper. 1,584,319; May 11.
Oldring, George H., New York, N. Y. Golf tee. 1,583,897; May 11.
O'Leary, Thomas J., St. Paul, Minn. Golf-tee maker. 1,584,639; May 11.
Orcutt, Harry F. L., and J. W. Snarry, assignors to The Gear Grinding Company Limited, Birmingham, England. Quick-return motion. 1,584,640; May 11.
Orton, Edward M., Minneapolis, Minn. Road grader. 1,583,991; May 11.
Osterberg, Henry G. (See Stephenson, W. C., and Osterberg.)
O'Toole, Edward, Gary, W. Va. Mining machine. 1,583,992; May 11.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,583,793; May 11.
Owens, James W., Cradock, Va., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Method and apparatus for testing materials. 1,584,320; May 11.
Owens, Joseph J. and M., Mimico Beach, Ontario, Canada. 1,584,396; May 11.
Owens, Michael. (See Owens, Joseph J. and M.)
Pacent Electric Company. (See Pacent, Louis G., assignor.)
Pacent, Louis G., Winfield, N. Y., assignor to Pacent Electric Company, Incorporated. Control knob. Des. 70,135; May 11.
Pacent, Louis G., Winfield, assignor to Pacent Electric Company, Inc., New York, N. Y. Spring jack. 1,584,321; May 11.
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See De May, John, assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,136; May 11.
Paige, Arthur E., Philadelphia, Pa. Container. 1,584,641; May 11.
Palmer-Bee Company. (See Bee, William E., assignor.)
Palmer, John, San Francisco, assignor of one-half to H. K. Davis, Auburn, Calif. Massaging device. 1,584,695; May 11.
Palmer, Ralph J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Casing for electric meters. 1,584,702; May 11.
Palmer, Theron R., Erie, Pa. Battery container. Des. 70,137; May 11.
Palmer, William L., Long Beach, Calif. Wheel oiler. 1,584,642; May 11.
Pannier Bros. Stamp Co. (See Pannier, O. M., and Hauer, assignors.)
Pannier, Oscar M., Ben Avon, and L. C. Hauer, assignors to Pannier Bros. Stamp Co., Pittsburgh, Pa. Die holder. 1,584,643; May 11.
Parker, Eugene A., Morrilton, Ark. Vibrator-armature tester. 1,584,242; May 11.
Parker, John C., Philadelphia, Pa. Steam boiler. 1,584,322; May 11.
Parsons, Frederick E., Los Angeles, Calif. Eyeshade. 1,583,794; May 11.
Pascoe, William H., Chicago, Ill. Apparatus for burning oil. 1,584,471; May 11.
Pasturzak, Stanley, Chicago, Ill. Anchoring element. 1,583,795; May 11.
Paulus, Charles L. (See Kauch, E., and Paulus.)
Paxton, Sherman H., St. Paul, Minn. Method and apparatus for cooking canned goods. 1,584,397; May 11.
Peacock, Samuel. (See Gerrard, A. J., Wright, and Peacock.)
Pease, Edward L., Darlington, England. Making fertilizer. 1,584,130; May 11.
Pease, John W., Rochester, N. Y. Apple-paring machine. 1,584,398; May 11.
Peerless Pneumatic Systems, Inc. (See Bartling, Howard G., assignor.)
Pemberton-Billing, Noel, assignor of one-half to World Record Limited, Cromwell Works, London, England. Picture-projecting or exhibition means. 1,584,708; May 11.
Pendleton Manufacturing Company. (See Aull, Benedict M., assignor.)
Penney, Frank H., Scotia, N. Y., assignor to General Electric Company. Motor-control system and apparatus. 1,584,703; May 11.

Pennsylvania Textile Mills, Inc. (See Day, Harry S., assignor.)

Pennsylvania Textile Mills, Inc. (See Fauser, Gustave M., assignor.)

Perkins, Karl D., New York, N. Y., and A. D. Karr, Newark, N. J. Control for refrigerating machines. 1,584,243; May 11.

Perritt, Elliott E., Pittsburgh, Pa. Sheet-metal roof construction. 1,584,131; May 11.

Petersen, Paul W., Bay City, Mich. Method and apparatus for refrigerating comestibles. 1,584,191; May 11.

Peterson, Kolbin, Moorhead, Minn. Anchor. 1,584,132; May 11.

Petzoldt, Hugo, Dinuba, Calif. Power-lift implement. 1,584,644; May 11.

Perry, Donald B., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Volume-control apparatus. 1,583,854; May 11.

Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car truck and assembling the same. 1,584,133; May 11.

Pflager, Harry M., assignor to Commwealth Steel Company, St. Louis, Mo. Car truck and assembling the same. 1,584,134; May 11.

Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car truck and assembling the same. 1,584,135; May 11.

Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Car truck and assembling the same. 1,584,136; May 11.

Phariss, Floyd, Waurika, Okla. Grease gun. 1,583,993; May 11.

Philips, Hans A., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,138; May 11.

Pickard, Robert H. (See Lloyd, D. J., and Pickard.)

Pickard, Rosa H., Wilmette, Ill. Door knocker. Des. 70,139; May 11.

Pittsburgh Plate Glass Company. (See Core, Karl L. W., assignor.)

Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)

Pittsburgh Plate Glass Company. (See Johnson, John F., assignor.

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)

Pittsburgh Plate Glass Company. (See Watson, William G., assignor.)

Plum, Stephen H., 2d, Madison, N. J., and H. Duff, Brooklyn, N. Y., assignors to Klymax Feeder Company. Suction nozzle for printing presses. 1,584,467; May 11.

Plum, S. Haines, 2d, Madison, and A. Ackley, Camden, N. J., assignors to American Type Founders Company. Automatic feeder for platen presses. 1,584,468; May 11.

Plum, S. Haines, 2d, Madison, and A. Ackley, Camden, N. J., assignors to American Type Founders Company. Tripping mechanism for platen presses. 1,584,469; May 11.

Poindexter, Robert W., jr., Los Angeles, Calif., assignor, by mesne assignments, to California Cyanide Company, Incorporated. Producing hydrocyanic acid. 1,584,137; May 11.

Poisse, Oliver N. (See Wright, Roland T., assignor.)

Pomije, Theofil A., and J. W. Emmers, Le Sueur Center, Minn. Socket wrench. 1,584,138; May 11.

Pope, John T., Layton, Utah. Beet topper. 1,583,796; May 11.

Porter, Walter, Garden Grove, Calif. Bedside table. 1,584,139; May 11.

Postel, Fred J., Chicago, Ill. Nonscalding water heater. 1,583,898; May 11.

Powell, Max W., Chicago, Ill. Automatic two-way brake. 1,584,140; May 11.

Prest-O-Lite Company, The. (See Spencer, Thomas, assignor.)

Price, George R., and F. T. Richardson, Vancouver, British Columbia, Canada. Visualizing device. 1,584,323; May 11.

Printing Register Co. (See Widemann, T. W., and Harris, assignors.)

Pritchett & Gold & E. P. S. Company Limited. (See Davis, Albert L., assignor.)

Proctor and Schwartz. (See Ayres, Elwood B., assignor.)

Prosser, Frank H., Streator, Ill. Self-dumping vehicle body. 1,584,645; May 11.

Pure Coal Briquettes Limited. (See Sutcliffe, Edgar R., assignor.)

Purnell, William R., Newport, R. I. Game of football. 1,584,141; May 11.

Q R S Music Company, The. (See Bloch, Isabelle M., assignor.)

Quinn, John H. (See Bahr, August T. J., assignor.)

Quintenz, Harry L., Winter, Wis. Internal-combustion-engine piston. 1,584,470; May 11.

Rabickow, George N., Donora, Pa. Refrigerator display box. 1,584,244; May 11.

Radnall, Ernest A., Birmingham, England. Velocipede. 1,584,646; May 11.

Radó, Leopold, Vienna, Austria. Preparing an aluminum sheeting for printing. 1,584,647; May 11.

Randall, Roland V. (See Randall, Victor E. and R. V.)

Randall, Victor E., Battle Creek, Mich. Vehicle wheel. 1,583,904; May 11.

Randall, Victor E. and R. V., assignors of one-half to B. F. Gwatkin, Battle Creek, Mich. Rail-bearing guide. 1,584,648; May 11.

Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Watt-hour meter. 1,584,649; May 11.

Rawn, William P., Washington, assignor of one-third to E. G. Nelson and one-third to A. J. Larson, What Cheer, Iowa. Underdrain for trickling filters. 1,584,142; May 11.

Ready, William A., Brookline, Mass. Panel for radio-dials. Des. 70,140; May 11.

Rece, Frank S., Dallas, Tex. Side panel for cribs. 1,584,192; May 11.

Regal, August, Brno, Czechoslovakia. Manufacture of artificial resins. 1,584,472; May 11.

Regal, August, Brno, Czechoslovakia. Preparation of artificial resins. 1,584,473; May 11.

Rehm, Benjamin, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company. Miter-cutting machine. 1,583,797; May 11.

Reid, Ernest A., London, England. Method of and apparatus for atomizing and burning fuel oil. 1,583,995; May 11.

Reid, Ernest A., London, England. Vertical fuel-oil burner. 1,583,996; May 11.

Rein, Alexander, and R. Liefke, assignors to R. Liefke, R. Adelmann, and R. E. Leyendecker, copartners doing business as R. Liefke & Company, New York, N. Y. Molding or pressing and article. 1,584,193; May 11.

Reinknecht, Hermann, Berlin, Germany, assignor to M. Deghenghi, Baden, near Wien, Austria. Transfer process. 1,583,997; May 11.

Reliance Company, The. (See Wilms, Gustav O., assignor.)

Reliance Gauge Column Company, The. (See Brown, John R., assignor.)

Rendleman, Norman C., Dormont, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Continuous mill for rolling angle bars. 1,584,399; May 11.

Reufel, Heinrich M. H., Eindhoven, Netherlands, assignor to General Electric Company. Apparatus for determining the spherical luminous intensity of light sources. 1,584,650; May 11.

Reynolds, Marlyn W., Altona, Ill. Posthole digger. 1,583,855; May 11.

Rhodus, Thomas, Chicago, Ill. Electrical switch. 1,584,143; May 11.

Richardson, Francis T. (See Price, G. R., and Richardson.)

Richardson, Linwood T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Furfural acetone resins and producing the same. 1,584,144; May 11.

Richey, Ralph J., Sioux City, Iowa. Road-map holder. 1,583,998; May 11.

Riddell, William A. (See Kennedy, Alexander X., assignor.)

Riggle, Harvey E., Vandergrift, Pa. Mud lug. 1,584,651; May 11.

Rightenour, Asa L., Chicago, Ill. Variable-stroke engine. 1,583,937; May 11.

Rippingille, Frank S., Birmingham, England. Liquid meter. 1,583,899; May 11.

Risser, Arthur L., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Vacuum bottle filler. 1,584,324; May 11.

Robbins & Myers Company, The. (See Wright, Edwin M., assignor.)

Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Machine for making steel wool. 1,584,145; May 11.

Roberti Bros. (See Roberti, Edward L., assignor.)

Roberti, Edward L., assignor, by mesne assignments, to Roberti Bros., Los Angeles, Calif. Stabilizer for folding beds. 1,584,474; May 11.

Roberts Cone Manufacturing Company. (See Roberts, Webster M., assignor.)

Roberts, John A., Ravenna, Ky. Uncoupling device for car couplings. 1,584,652; May 11.

Roberts & Mander Stove Company. (See Bunting, Elwood C., assignor.)

Roberts, Webster M., assignor to Roberts Cone Manufacturing Company, St. Joseph, Mo. Ice-cream cone. 1,584,653; May 11.

Robertshaw, Frederick W., Pittsburgh, and G. A. Robertshaw, Greenburg, Pa. Gas range. 1,584,400; May 11.

Robertshaw, Frederick W., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostat. 1,584,401; May 11.

Robertshaw, George A. (See Robertshaw, Frederick W. and G. A.)

Robertshaw Thermostat Company. (See Robertshaw, Frederick W., assignor.)

Robinson, Francis W. J., Germiston, Transvaal, South Africa. Automobile signal-lamp casing. Des. 70,141; May 11.

Robinson, Girard C., Detroit, Mich. Intake manifold for internal-combustion engines. 1,584,245; May 11.

Roe, Nathaniel, Patchogue, N. Y. Wave mot... 1,584,146; May 11.

Roe, Odie F., Flemington, W. Va. Tire chain. 1,584,654; May 11.

Rome Radiation Company. (See Hart, Austin H., assignor.)

Rose, Edward E., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,584,655; May 11.

Rosenberg, Jacob E., Canonsburg, Pa. Artificial candle. 1,583,798; May 11.

Rosenberg, S. H. (See Frauenberger, Carl F., assignor.)

Ross, James G., assignor of one-half to W. R. Scott, Seattle, Wash. Direction signal. 1,583,856; May 11.

Rother, Erich. (See Hahnemann W., du Bois-Raymond, Rother, Rudolph, and Wolff.)

Ruberoid Company, The. (See Abraham, Herbert, assignor.)

Ruddy Manufacturing Company. (See Markle, G. W., and Hardle, assignors.)

Rudkin, William P., Oklahoma City, Okla. Internal-combustion engine. 1,584,656; May 11.

Rudkin, William P., Oklahoma City, Okla. Internal-combustion engine. 1,584,657; May 11.

Rudolph, Wilhelm. (See Hahnemann, W., du Bois-Raymond, Rother, Rudolph, and Wolff.)

Rumpler, Andrew, Cudahy, Wis. Window. 1,584,475; May 11.

Rutherford, James A., Rochester, N. Y. Tire-vulcanizing mechanism. 1,583,799; May 11.

Rutten, Peter, Oskis, Minn. Concrete-roof form. 1,584,658; May 11.

Sakom, Daniel. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)

Sanitary Scale Company. (See Ludlow, George M., assignor.)

Saunders, Walter G., Ossining, N. Y. Automobile body. Des. 70,142; May 11.

Sautter, Joseph A., West Corona, N. Y. Pocket sundial. 1,584,194; May 11.

Sasaki, Hisashi, Los Angeles, Calif. Automatic refilling lead pencil. 1,584,326; May 11.

Saunders, Wilson S., Kalamazoo, Mich. Spark-plug-cleaning implement. 1,584,325; May 11.

Schacht, William F., Huntington, Ind. Pedal cover pad. 1,584,659; May 11.

Schaefer, Frederic, Pittsburgh, Pa. Brake hanger. 1,584,039; May 11.

Schaller, Fred W., Rawson, Ohio. Signal for motor vehicles. 1,583,857; May 11.

Schalow, Frank J., Brooklyn, N. Y. Garter wear. 1,584,476; May 11.

Scharf, Henry J., et al. (See Heise, Henry W., assignor.)

Schaub, Jacob, Lawrenceburg, Ind., and S. D. Harding, Brooklyn, N. Y., said Schaub, assignor to said Harding. Steam valve. 1,583,800; May 11.

Scheibe, Harold M. (See Scheibe, Ralph R. and H. M.)

Scheibe, Ralph R., Somerville, and H. M. Scheibe, Belmont, Mass., said H. M. Scheibe assignor to Ralph R. Scheibe. Table tray. 1,583,999; May 11.

Scheleng, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-wave transmission system. 1,584,327; May 11.

Scherbius, Arthur, Berlin-Wilmersdorf, Germany, assignor to the Naamlooze Vennotschap Ingenieursbureau "Securitas," Amsterdam, Netherlands. Ciphering device. 1,584,660; May 11.

Schmaus, Harold E., Mount Carmel, Pa. Entrapping device for bandits or robbers. 1,584,195; May 11.

Schmidt, Otto, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Artificial tanning substance. 1,583,801; May 11.

Schmittutz, Carl, Bad Kissingen, Bavaria, Germany. Hollow needle for vaccinating timber and the like. 1,583,900; May 11.

Schneider & Cie. (See Methlin, Nicolas E., assignor).

Schneider & Cie. (See Schneider, Eugène, assignor.)

Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Gun-mounting laying and sighting arrangement for artillery on aeroplanes. 1,583,858; May 11.

Schoell, Eugene F., New Britain, Conn. Transmission band. 1,584,147; May 11.

Schott, Erich, A. Hasenstein, and K. Ditscher, assignors to Firm of Jenaer Glaswerk Schott and Gen, Jena, Germany. Device for fusing glass extensions onto glass vessels. 1,584,661; May 11.

Schrock, Charles I., Pasadena, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Washer distributor. 1,584,477; May 11.

Schulhoff, Saul, Trenton, N. J. Ear cushion. 1,584,662; May 11.

Schumacher, John, Los Angeles, Calif. Plaster board. 1,584,148; May 11.

Schumacher, John, Los Angeles, Calif. Covered-edge plaster board. 1,584,663; May 11.

Schurecht, Harry G., Pittsburgh, assignor of one-half to H. T. Shelley, trustee, Philadelphia, Pa., and one-half to G. C. D. Lenth, trustee, Chicago, Ill. Salt glazing. 1,583,901; May 11.

Schurecht, Harry G., Pittsburgh, assignor of one-half to H. T. Shelley, trustee, Philadelphia, Pa., and one-half to G. C. D. Lenth, trustee, Chicago, Ill. Salt glazing. 1,583,902; May 11.

Schurecht, Harry G., Pittsburgh, assignor of one-half to H. T. Shelley, trustee, Philadelphia, Pa., and one-half to G. C. D. Lenth, trustee, Chicago, Ill. Scum prevention. 1,583,903; May 11.

Schuster, Carl. (See Freeble, Thomas M., assignor.)

Schütz, Ludwig. (See Ursum, W., Schütz, and Taub.)

Schwarz, Albert, assignor of one-half to I. M. Lashinsky, New York, N. Y. Parachute. 1,583,802; May 11.

Schwarz, Jacob, New York, N. Y. Card-index filing cabinet. 1,584,478; May 11.

Scott Paper Company. (See Liebeck, Harry, assignor.)

Scott, William R. (See Ross, James G., assignor.)

Scovill Manufacturing Company. (See Leggett, George R., assignor.)

Sears, Fred L., Nicholasville, Ky. Storage battery. 1,583,859; May 11.

Sebastian, Alphonse A., Chicago, Ill. Window construction. 1,584,664; May 11.

Seely, Martin E., Cleveland, Ohio. Clutch. 1,584,246; May 11.

Serafini, Oswald V., Boston, Mass. Wall construction. 1,584,402; May 11.

Severn, Arthur B., assignor to A. Stucki, Pittsburgh, Pa. Forming side bearings. 1,584,040; May 11.

Shaver, James E., jr., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling machine. 1,583,803; May 11.

Shaver, Orton C., Detroit, Mich. Eyeshield. 1,584,041; May 11.

Shay, Ralph R., assignor to Chicago Apparatus Company, Chicago, Ill. Brush mounting for electric motors. 1,584,665; May 11.

Shedenhelm, Robert, Grinnell, Iowa. Power-operated material loading, conveying, and discharging machine. 1,584,042; May 11.

Shelly, Henry T., et al., trustees. (See Schurecht, Harry G., assignor.)

Shelters, Fred C., and M. Bogin, Chicago, Ill. Refrigerating dispensing device. 1,584,328; May 11.

Sheppard, Samuel T., Garden City, Minn. Machine for washing dishes. 1,584,043; May 11.

Sheridan Iron Works, The, et al. (See Larivière, Pierre, assignor.)

Sheridan, T. W. & C. B., Company et al. (See Larivière, Pierre, assignor.)

Sherman, Jacob S., assignor to Universal Lamp Company, Chicago, Ill. Smoker's ash receiver. Des. 70,143; May 11.

Shields, George A., San Rafael, Calif. Oil-can protector. 1,584,403; May 11.

Shields, William S., Yardley, Pa. Window. 1,584,196; May 11.

Shimadzu, Genzo, Kyoto, Japan. Manufacturing metal powder. 1,584,149; May 11.

Shimadzu, Genzo, Kyoto, Japan. Manufacturing powder of lead suboxide intermingled with powder of metallic lead. 1,584,150; May 11.

Shimadzu, Genzo, Kyoto, Japan. Manufacturing lead oxide. 1,584,151; May 11.

Shimadzu, Genzo, Kyoto, Japan. Paint. 1,584,152; May 11.

Shimadzu, Genzo, Kyoto, Japan. Making plates for storage batteries using lead suboxide. 1,584,479; May 11.

Shockley, Homer G., New York, N. Y. Tidal conduit system for sewerage. 1,584,666; May 11.

Shurlox Awning and Shade Company. (See Staehelin, Emil, assignor.)

Sibley, James T., New York, N. Y. Self-starting motor. 1,583,804; May 11.

Siegel, Myer, Bronx, N. Y. Automatic picot cutter for hemstitching machines. 1,584,667; May 11.

Sieloff, Ernest F., assignor to Cole Manufacturing Company, Chicago, Ill. Stove structure. 1,583,805; May 11.

Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)

Signal Gesellschaft m. b. H. (See Hahnemann, W., du Bois-Reymond, Rother, Rudolph, and Wolff.)

Simmons, Edward L., New Haven, Conn. Glare shade for motor vehicles. 1,583,860; May 11.

Simmons, Gordon, assignor of one-half to A. D. L'Esperance, Baltimore, Md. System of combustion control. 1,584,480; May 11.

Simmons, John W., Francisco, N. C. Chimney. 1,584,247; May 11.

Sinclair Oil and Gas Company. (See Bernard, Harold B., assignor.)

Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)

Siptrott, Paul, assignor to Levolite Co. Inc., New York, N. Y. Wall bracket. Des. 70,144; May 11.

Sjoeren, Frederick, Hyde Park, Mass. Game. 1,584,668; May 11.

Skaruda, Ludwig, Riverside, Ill. Hairdress. 1,584,329; May 11.

Skeen, Jesse B., Los Angeles, Calif. Braking device. 1,584,669; May 11.

Skuttle, John L., Mason City, Iowa. Furnace-radiator cleaner. 1,584,481; May 11.

Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Volt-ampere meter. 1,584,670; May 11.

Sleppy, Ralph E., assignor of one-half to E. M. Lotridge, Tulsa, Okla. Vapor saver. 1,584,671; May 11.

Slick, Edwin E., Pittsburgh, Pa. Power-operated glass press. 1,584,672; May 11.

Sloan, William E., Chicago, Ill. Valve. 1,584,404; May 11.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Uncoupling device. 1,584,482; May 11.
Smith, Arthur L., St. Paul, Minn. Making embossed printing. 1,583,861; May 11.
Smith, Benjamin H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,584,673; May 11.
Smith, Clarence E., Wesleyville, Pa. Valve-spring lifter. 1,583,862; May 11.
Smith, Bryan E., Faulkton, S. Dak. Tractor draft appliance. 1,584,044; May 11.
Smith, Ira E., Stockton, Calif. Initial oil-heating means for oil burners. 1,584,045; May 11.
Smith, John L., Hamilton, Ontario, Canada, assignor to Bar and Billet Scraper Co., Inc. Device for removing scale and surface defects from sheet bar while being rolled hot. 1,584,674; May 11.
Smith, John W., Syracuse, N. Y. Mixing device. 1,584,046; May 11.
Smith, Louis, assignor of one-half to W. L. Hall, Chicago, Ill. Method of and apparatus for making printing plates. 1,584,483; May 11.
Smith, Raymond D., Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Delayed cut-out for pull sockets. 1,583,938; May 11.
Smith, Raymond D., Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Detent-tripping mechanism for socket switches. 1,583,939; May 11.
Smith, William T. and H. Keyton, Coatesville, Pa. Wheel puller. 1,584,675; May 11.
Smokador Manufacturing Co. Inc. (See Fleming, Robert G., assignor.)
Snarry, John W. (See Orcutt, H. F. L., and Snarry.)
Snyder, George C., New York, N. Y., assignor to Standard Seal and Number Corporation, Wilmington, Del. Identifying devices. 1,584,330; May 11.
Snyder, Len B., New Martinsville, W. Va. Tow rod for vehicles. 1,583,806; May 11.
Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers. (See Leblanc, Charles L. A. M., assignor.)
Societe Des Etablissements Gaumont. (See Gaumont, Léon, assignor.)
Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Grinding machine. 1,583,807; May 11.
So-Me-On Corporation. (See Lehmann, Kurt, assignor.)
Soukup, Joseph, North Chicago, Ill. Antiskid shoe. 1,584,676; May 11.
Spencer, Thomas, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Storage battery and electrode therefor. 1,584,248; May 11.
Spring, George B., Newton Highlands, Mass. Reenforcement for poles. 1,584,405; May 11.
Squier, George O., Dryden, Mich. Aerial attachment device for radiofrequency signal systems. 1,584,197; May 11.
Squires, John, Detroit, Mich., assignor to Economies Research Company, Havana, Ill. Sectional impervious hearth for fuel burners. 1,584,331; May 11.
Stacy, Wallis, Stacy, Va. Trap. 1,584,677; May 11.
Staehelin, Emil, assignor to Shurlox Awning and Shade Company, Chicago, Ill. Awning. 1,584,047; May 11.
Standard Rice Company. (See Miles, George M., assignor.)
Standard Seal and Number Corporation. (See Snyder, George C., assignor.)
Standard Sewing Machine Company, The. (See Nelson, George W., assignor.)
Steen, Emil. (See Alexander, C. J., and Steen.)
Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Dog for grinding machines. 1,583,940; May 11.
Steinbilber, Adolph, Rock Island, Ill., assignor to Wood Conversion Company, Cloquet, Minn. Peeler. 1,584,249; May 11.
Stensgaard, Julius J., Woodville, Wis. Rack for assorting mail. 1,584,678; May 11.
Stephens, Percy W., Chicago, Ill. Fuel-reservoir system. 1,583,808; May 11.
Stephenson, William C., Woburn, and H. G. Osterberg, Belmont, Mass. Piano truck. 1,584,250; May 11.
Sterling Tire Corporation. (See Basten, Otto, assignor.)
Stern, Louis, Co. (See Valcourt, Louis E., assignor.)
Stevens, Harry P., New York, N. Y. Chain-controlling device. 1,584,198; May 11.
Stewart, Mary E., Chicago, Ill. Washing-machine attachment. 1,584,484; May 11.
Stewart-Warner Speedometer Corporation. (See Sussin, Victor, assignor.)
Stille, Curt, Berlin-Zehlendorf, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Cabinet talking machine. 1,584,485. May 11.
Stoller, Hugh M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Dynamo-electric machine. 1,583,809; May 11.
Stoltz, John L., Sumner, Ill. Resilient wheel. 1,584,679. May 11.
Stolzer, Abraham. (See Kostrzewski, Stephen, assignor.)
Stonehill, Winaloe U., Cincinnati, Ohio. Running board or step for automobile. 1,584,573; May 11.
Street, Beaumont T., Springfield, Mo. Signaling mechanism for vending machines. 1,584,406; May 11.
Stringer, Melvin, Pottstown, Pa. Cable brake mechanism. 1,583,810; May 11.
Stroebel, Carl., Los Angeles, Calif. Welding torch. 1,584,199; May 11.
Stuart, Alexander T., and G. N. Middleton, Toronto, Ontario, Canada, assignors, by mesne assignments, to F. G. Clark. Apparatus for the decomposition and recombination of hydrocarbons. 1,583,048; May 11.
Stubblebine, George T., Buffalo, N. Y. Excavator. 1,583,811; May 11.
Stuecki, A. (See Severn, Arthur B., assignor.)
Stuebing, William S., Cincinnati, Ohio. Device for punching and cutting eyelets. 1,584,251; May 11.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan, Raymond H., assignor to North & Judd Manufacturing Company, New Britain, Conn. Door handle. 1,584,153; May 11.
Suplee, Henry H., New York, N. Y. Prime mover. 1,584,200; May 11.
Surridge, Robert, jr., London, England. Sole and heel for boots, shoes, and the like. 1,583,812; May 11.
Sussin, Victor, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Pipe connection for automobile heaters. 1,584,486; May 11.
Sutcliffe, Edgar R., Leigh, England, assignor to Pure Coal Briquettes Limited, Cardiff, Wales. Apparatus for distillation of carbonaceous substances. 1,584,487; May 11.
Svensson, Karl J., and K. A. P. Norling, London, England. Reducing air currents in centrifugal machines. 1,584,488; May 11.
Swan, Fred, Marietta, Ohio. Rope guide and lubricator for drill ropes. 1,584,704; May 11.
Swartley, Harry M., Philadelphia, Pa. Weighing device for vehicles. 1,584,489; May 11.
Sweet, Henry W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission gearing. 1,584,252; May 11.
Swiggart, Will D., and F. M. C. Usher, Fulton, Ky. Oil-level indicator. 1,583,941; May 11.
Szastalo, Stanley, New York, N. Y. Shoe-fastening device. 1,584,201; May 11.
Taggart, Leroy C. (See Leibing, W. E., and Taggart.)
Tanner, Daniel R., La Grande, Oreg., assignor to The Filer & Stowell Co., Milwaukee, Wis. Unstacker. 1,583,904; May 11.
Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., New York, N. Y. Rotor for induction motors. 1,584,253; May 11.
Tarnok, Inc. (See Tarnok, Sigmund, assignor.)
Tarnok, Sigmund, New Orleans, La., assignor to Tarnok, Inc. Treating plants. 1,584,254; May 11.
Tate, Joseph T. (See Greenstreet, Oliver P., assignor.)
Taub, Ludwig. (See Ursum, W., Schütz, and Taub.)
Taylor, Arthur F., Kamapolis, N. C. Kier solution controller. 1,584,491; May 11.
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Three-phase oscillator. 1,584,490; May 11.
Taylor, Bayard E., Oak Park, Ill. Method and apparatus for heating groves or orchards. 1,584,492; May 11.
Taylor, James H., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Padding. 1,584,493; May 11.
Tee-Lok Shingle Company. (See Harshberger, Norman P., assignor.)
Tefft, Ivan D., Glencoe, assignor to The Wahl Company, Chicgo, Ill. Fountain pen. Re16,349; May 11.
Telegraphie-Gesellschaft mit beschränkter Haftung System Stille. (See Stille, Curt, assignor.)
Temmen, Frank, Covington, Ky. Ink-distributing roller. 1,584,255; May 11.
Temmen, Frank, Covington, Ky. Ink-distributing roller. 1,584,256; May 11.
Temperley, Joseph, Hove, England. Concrete and like mixer. 1,583,863; May 11.
Tennessee Tool Works, Inc. (See Ault, Horace B., assignor.)
Terry, Roy A. (See Boone, Clarence E., assignor.)
Tetzlaff, Benjamin A., Berwyn, Ill. Clamp. 1,584,332; May 11.
Texas Company, The. (See Brunow, Guinther H., assignor.)
Texas, Christ, et al. (See Dakis, Anthony S., assignor.)
Texas Company, The. (See Holmes, R. C., and Manley, assignors.)
Theobald, Ernst, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Coloring-matter paste. 1,584,202; May 11.
Thomas, Ben B., Portland, Oreg. Flushing valve. 1,584,407; May 11.
Thomas, Charles A. (See Jackson, Roy C., assignor.)
Thomas, Jim, Shreveport, La. Furniture and auto polish. 1,584,257; May 11.
Thomas, Joseph D., Pawhuska, Okla., assignor to L. Thomas, St. Louis, Mo. Garment hanger. 1,584,000; May 11.
Thomas, Louise. (See Thomas, Joseph D., assignor.)

Thompson, Katherine A., Milwaukee, Wis. Garter. 1,584,333; May 11.
Thompson, Theodore. (See Moecker, H., jr., and Thompson.)
Thompson, Theodore. (See Moecker, H., jr., Hammermeister, and Thompson.)
Thorens, Hermann, Ste. Croix, Switzerland. Pyrophoric lighter. 1,584,258; May 11.
Thorpe, Howard S., Yonkers, N. Y. Engine. 1,584,507; May 11.
Thwaites, Walter G., Spokane, Wash. Tooth-paste dispenser. 1,583,813; May 11.
Till, Harris R., Chicago, Ill., assignor to The Western Electric Company, Incorporated, New York, N. Y. Pressure-controlling device. 1,583,814; May 11.
Tillman, John R., Bridgeport, Conn., assignor, by mesne assignments, to Locomobile Company of America, Incorporated, New York, N. Y. Oiling system. 1,584,404; May 11.
Timken Roller Bearing Company, The. (See Wernecke, Henry, assignor.)
Tinser, Gustaf K., assignor of one-third to A. Homa, Porterfield, Wis. Electrical switch. 1,584,334; May 11.
Tinius Olsen Testing Machine Company. (See Owens, James W., assignor.)
Tinker, Herbert W. (See Hansen, P. D., and Tinker.)
Topliff, George W., and C. Bornmann, Binghamton, assignors to Ansco Photoproducts, Incorporated, Broome County, N. Y. Photographic shutter. 1,584,408; May 11.
Towers & Sullivan Manufacturing Co. (See Cothran, Walter S., assignor.)
Travis, Porter M., Sherman, Tex. Card holder for automobiles. 1,583,942; May 11.
Trebes, Bruno M. A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying insulating coverings on electrical conductors. 1,583,815; May 11.
Treffer, Henry H., Davenport, Iowa. Incubator. 1,584,154; May 11.
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Tripp, Charles M., assignor to Tripp-Secord and Company, Detroit, Mich. Spare-rim holder. 1,583,905; May 11.
Tripp-Secord and Company. (See Tripp, Charles M., assignor.)
Troland, Leonard T. (See Comstock, D. F., Troland, and Ball.)
Trost, Edmund, Berlin, Germany. Hot-air bath. 1,584,155; May 11.
Tubize Artificial Silk Company. (See Bindschedler, E., and Juer, assignor.)
Tucker, Arthur W., San Antonio, Tex. Fan. 1,583,864; May 11.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,584,259; May 11.
Turner, John O. (See Bausinger, H. C., jr., Faulkener, and Turner.)
Tye, Frank P., Maywood, Ill. Gasoline-filling device for motor vehicles. 1,584,574; May 11.
Uhler, George H., Marion, Ohio. Display rack. 1,583,948; May 11.
Ulrich, Alfred C., Horicon, Wis. Automobile signal mechanism. 1,584,049; May 11.
Ulrich Tinware Company. (See La Dew, Burt R., assignor.)
Underwood Typewriter Company. (See Crews, Clarence M., assignor.)
Underwood Typewriter Company. (See Shaver, James E., jr., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
United Shoe Machinery Corporation. (See Jones, Richard M., assignor.)
United Shoe Machinery Corporation. (See Miner, George A., assignor.)
United Shoe Machinery Corporation. (See Minett, Wilfrid T., assignor.)
United Shoe Machinery Corporation. (See Morrill, Charles H., assignor.)
U. S. Bottlers Machinery Co. (See Risser, Arthur I., assignor.)
Universal Lamp Company. (See Sherman, Jacob S., assignor.)
Upson, Maxwell M., Englewood, N. J. Erecting foundations under water. 1,584,203; May 11.
Urband, Benton, New York, N. Y. Reenforcing means for brief bags and similar cases. 1,584,260; May 11.
Urfer, Adolph, Brooklyn, N. Y. Liquid-volume indicator. 1,584,495; May 11.
Ursum, Werner, L. Schütz, and L. Taub, Elberfeld, Germany, assignors, by mesne assignments to Winthrop Chemical Company, Inc., New York, N. Y. Barbituric-acid derivative. 1,584,156; May 11.
Usher, Francis M. C. (See Swiggart, W. D., and Usher.)
Usiech, John, New Westminster, British Columbia, Canada. Lock for automobiles. 1,584,204; May 11.
Vail, Henry A., Springfield, Mass. Pencil of the magazine type. 1,584,050; May 11.
Valcourt, Louis E., Pawtucket, assignor to Louis Stern Co., Providence, R. I. Watch-bracelet end hook. 1,583,816; May 11.
Van Buskirk, Lesher W., Clinton, N. J. Dipper tooth. 1,584,052; May 11.
Van Dervort, Adrian O., Troy, N. Y. Axle oil guard. 1,584,409; May 11.
Van Eweyk, William F., assignor to Milwaukee Brass Manufacturing Company, Milwaukee, Wis. Sink fixture. 1,583,944; May 11.
Van Ness, Henry E., Elmira, N. Y. Spotting yarn. 1,584,335; May 11.
Van Valkenburg, Hermon L., Milwaukee, assignor of one-half to W. M. S. Miller, Wauwatosa, Wis. Liquid-metering apparatus. 1,584,051; May 11.
Vendome, Raoul, and H. Marcoux, assignors to M. Franck, Paris, France. Pocket vaporizer or spray apparatus. 1,584,410; May 11.
Verhoeff, Jack H., assignor to Consumers Company, Chicago, Ill. Loading apparatus. 1,584,496; May 11.
Ver Mehr, John, London, England. Mixing machine. 1,583,892; May 11.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Seovill Manufacturing Company, Waterbury, Conn. Loop for lighting fixtures. Des. 70,145; May 11.
Vitek, Charles, Chicago, Ill. Clamp. 1,584,497; May 11.
Vitek, Charles, Omaha, Nebr. Hose clamp. 1,584,498; May 11.
Voelke, Fred A. (See Blackmore, L., and Voelke.)
Von Henke, Edmund J., Chicago, Ill. Electric welding and apparatus therefor. 1,583,906; May 11.
Vulcan Last Company, The. (See Clausing, George, assignor.)
Vuolo, Alphonso, Malden, Mass. Sanitary holder for toilet articles and the like. 1,584,261; May 11.
Wachtel, Wilhelm. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Waelti, Otto N., Semans, Saskatchewan, Canada. Bracket construction. 1,584,575; May 11.
Wagenhorst, James H., Akron, Ohio. Vehicle wheel. 1,584,576; May 11.
Wahl Company, The. (See Tefft, Ivan D., assignor.)
Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Engine-bed mounting. 1,584,053; May 11.
Walden-Worcester, Incorporated. (See Bellows, Warren S., assignor.)
Walker, Clarence L., Erie, Pa. Dispensing device. 1,584,336; May 11.
Walker, Gilbert S., Pittsburgh, Pa. Producing metallic stems for artificial leaves and applying the leaves thereto. 1,584,262; May 11.
Wallace, R., & Sons Mfg. Co. (See Clulee, Harry I., assignor.)
Wallace, Thomas, Wabash, Ind. Electrically heated pressing and laundry iron. 1,584,411; May 11.
Walsh, Patrick J., Morris, Ill. Bracket. 1,583,945; May 11.
Walters, Vernon E., assignor to General Motors Corporation, Detroit, Mich. Jig. 1,583,946; May 11.
Ward, Henry, Kearney, Nebr. Carburetor. 1,584,412; May 11.
Wardell, Henry R., assignor to Johns-Manville, Inc., New York, N. Y. Roofing. 1,584,054; May 11.
Warne, Charles C., Yonkers, N. Y. Multiple tie plug. 1,584,337; May 11.
Warner, Raymond M., assignor to The Miller Rubber Company, Akron, Ohio. Making acidproof containers. 1,584,413; May 11.
Warren Manufacturing Company, The. (See Bidwell, George L., assignor.)
Waterbury Button Company. (See Kaynor, Warren F., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watson, Abraham W., Victoria, British Columbia, Canada. Saw handle. 1,584,157; May 11.
Watson, Claude E., Centralia, Ill. Pelt stretcher. 1,583,947; May 11.
Watson, William G., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,583,817; May 11.
Watt, Charles H., and F. G. Negus, assignors to Watt-Negus Automatic Train Control, Limited, Amherst, Nova Scotia, Canada. Automatic train signal and control device. 1,584,696; May 11.
Watt-Negus Automatic Train Control. (See Watt, C. H., and Negus, assignors.)
Weichmann, Albert, Harrison, N. Y. Spring seat. 1,584,577; May 11.
Weisberg, Edward I. (See Hollander, S., and Weisberg.)
Weiskopf, Charles H., Hawthorne, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended material from gases. 1,584,055; May 11.
Weissenburger, George E., Keokuk, Iowa. Electric switch. 1,583,948; May 11.
Welcker, Rudolph, Springfield, Mass. Tank car. 1,584,338; May 11.
Wells, Ralph J., Dayton, Ohio. Railway tie. 1,584,056; May 11.
Wentworth, Fred W., Paterson, N. J. Garage. 1,584,705; May 11.
Wernecke, Henry, assignor to The Timken Roller Bearing Company, Canton, Ohio. Adjustable feed wheel for grinding machines. 1,584,339; May 11.
West, Allen, Brighton, England. Liquid controller for two and three phase slip-ring motors. 1,584,158; May 11.

West, Charles E., assignor to The Helms Company, Portland, Oreg. Miter box. 1,584,057; May 11.
Western Electric Company. (See Kochendorfer, F. S., and Boe, assignors.)
Western Electric Company. (See Schelleng, John C., assignor.)
Western Electric Company. (See Stoller, Hugh M., assignor.)
Western Electric Company. (See Till, Harris R., assignor.)
Western Electric Company. (See Trebes, Bruno M. A., assignor.)
Western Union Telegraph Company, The. (See Atherton, A., and Janson, assignors.)
Western Union Telegraph Company, The. (See Atherton, Albert, assignor.)
Western Union Telegraph Company, The. (See d'Humy, Fernand E., assignor.)
Western Union Telegraph Company, The. (See Drake, Herbert W., assignor.)
Westinghouse Air Spring Company, The. (See Beecher, Eugene L., assignor.)
Westinghouse Electric & Manufacturing Company, (See Aspinwall, L. M., and Meyer, assignors.)
Westinghouse Electric and Manufacturing Company (See Bradshaw, W. M., and Ashbaugh, assignors.)
Westinghouse Electric & Manufacturing Company. (See Butler, Reginald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Coates, W. A., Gittins, and Davies, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hands, Howard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haynsworth, Julius D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hill, Leland H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Huey, G. W., and James, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kniskern, Floyd B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kühn, Ludwig, assignor.)
Westinghouse Electric & Manufacturing Company. (See McCoy, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Palmer, Ralph J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ratz, Elmer G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Edward E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Whalen, James, Omaha, Nebr. Electrical service-timing meter. 1,584,414; May 11.
Wheary, George H., Racine, Wis. Lid or cover section for wardrobe trunks. 1,584,058; May 11.
Wheel O'Fortune Slide Company. (See Hagan, Hugh L., assignor.)
Wheeler, William C., Chicago, Ill. Device for maintaining uniform contact and pressure between a stationary and revolving body for electrical machines. 1,584,059; May 11.
Whipp, Lloyd S. (See Holaday, E., and Whipp.)
Whipple, Nelson E., Windsor, N. Y. Draft control. 1,584,159; May 11.
Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Case for an alarm clock. Des. 70,146; May 11.
White, Charles C., New York, N. Y. Spring balance. 1,584,060; May 11.
White, Clarence W., North Bennington, Vt. Vehicular brake. 1,583,907; May 11.
White, Clyde L., assignor to The Willys-Overland Company, Toledo, Ohio. Oil retainer. 1,584,340; May 11.
White Motor Company, The. (See Goode, Gilbert C., assignor.)
White, Thomas W., Glenwood, Iowa. Foot trip for door latches. 1,583,818; May 11.
Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)
Whittenberg, Charles P., Elk City, Okla. Crude-oil burner. 1,584,001; May 11.
Whittier, Walter H., assignor to Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerator flue construction. 1,583,819; May 11.
Widenmann, Theodore W., and M. R. Harris, assignors to Printing Register Co., Detroit, Mich. Roller mounting for autographic registers. 1,584,578; May 11.
Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expander. 1,584,061; May 11.
Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
Wiemer, Levi W., et al. (See Behrends, Nick, assignor.)
Wig, Rudolph J., assignor to The Celite Company, Los Angeles, Calif. Material for use in cement compositions. 1,584,579; May 11.
Wilcox, Edgar M. (See Mannauer, G., and Wilcox.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Slotter mechanism. 1,584,263; May 11.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Threading machine. 1,584,264; May 11.
Williams, Clarence, Reeds, Mo. Drinking fountain. 1,583,865; May 11.
Williams Company, The. (See Robbins, William H., assignor.)
Williams, Edward M., Elyria, Ohio. Piston. 1,584,265; May 11.
Williams, Gilbert H., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Liquid-dispensing pump and the like. 1,584,341; May 11.
Williams, Herbert H., New York, assignor to T. E. Murray, Brooklyn, N. Y. Muffler and the like. 1,583,908; May 11.
Williams, Lorenzo L., Milford, Conn. Match-holder attachment for packages of cigarettes. 1,583,820; May 11.
Williamson, Ralph S., Cambridge, England. Appliance for playing games. 1,584,062; May 11.
Willmann, Joseph, Derby, Conn. Method of and apparatus for making ice cream. 1,584,580; May 11.
Willson, William P., Arlington, Vt., assignor to W. E. Kidder, Kalamazoo, Mich. Refrigerator. 1,583,821; May 11.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Hunt, Warren T., assignor.)
Willys-Overland Company, The. (See White, Clyde L., assignor.)
Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Dashpot-controlled switch. 1,584,063; May 11.
Wilson, Charles M., and H. E. Harkness, Jamestown, N. Y. Window lock. 1,584,581; May 11.
Wine, William E., Toledo, Ohio. Car-door-locking device. 1,584,415; May 11.
Wine, William E., Toledo, Ohio. Car-door mechanism. 1,584,416; May 11.
Wine, William E., Toledo, Ohio. Car-door mechanism. 1,584,417; May 11.
Wine, William E., Toledo, Ohio. Car-door mechanism. 1,584,418; May 11.
Winthrop Chemical Company. (See Ursum, W., Schütz, and Taub, assignors.)
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Witherow Steel Company. (See Witherow, William P., assignor.)
Witherow, William P., assignor to Witherow Steel Company, Pittsburgh, Pa. Railway-car axle and making the same. 1,584,582; May 11.
Wolff, Gustav. (See Habnemann W., du Bois-Reymond, Rother, Rudolph, and Wolff.)
Wood Conversion Company. (See Steinhilber, Adolph, assignor.)
Wood, Frank M., Los Angeles, Calif. Preparing vaccines. 1,584,583; May 11.
Wood, Pinckney A., Brooklyn, N. Y. Cutting tool. 1,584,584; May 11.
Woods, Warner T., Volga City, Iowa. Gate fastener. 1,584,585; May 11.
World Record Limited. (See Pemberton-Billing, Noel, assignor.)
Wright, Edwin M., assignor to The Robbins & Myers Company, Springfield, Ohio. Short-circuiting device. 1,584,064; May 11.
Wright, Ernest, Pinner, England. Machine for decorticating the fibrous leaves or stems of plants. 1,584,586; May 11.
Wright, Oliver S., assignor to Neptune Manufacturing Company, Masontown, Pa. Sharpening device. 1,584,342; May 11.
Wright, Parvin. (See Gerrard, A. J., Wright, and Peacock.)
Wright, Roland T., assignor of one-third to O. N. Poisse, St. Louis, Mo. Manicuring implement. 1,583,909; May 11.
Yaffe, Simcha, now known as S. Jaffe, Detroit, Mich. Machine for breaking and softening feathers. 1,583,822; May 11.
Yardley, Farnham, assignor to Jenkins Bros., New York, N. Y. Radiator valve. 1,584,587; May 11.
Ybry, Inc. (See Jaroslawski, Simon A., assignor.)
Yergen, William G., Newberg, Ore. Tandem disk harrow. 1,584,266; May 11.
Young, Jacob, Winthrop, Mass. Still. 1,584,267; May 11.
Zachary, Lee B., Island Mountain, Calif. Automobile power-transmitting device. 1,584,065; May 11.
Zachhuber, Franz, Amberg, Germany. Rendering metal bands supple. 1,584,499; May 11.
Zaldo, Eduardo, New York, N. Y. Ornamental wrist mirror and vanitary case. 1,584,205; May 11.
Zeigler, Henry M., Salina, Kans. Electric auxiliary brake release. 1,584,419; May 11.
Zimmermann, Wilhelm, Erkelenz, Germany. Pit sinking. 1,584,160; May 11.
Zouvelos, Andrew, Toledo, Ohio. Fruit-juice extractor. 1,584,066; May 11.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator pedals, Foot rest for. H. J. Melville. 1,583,894; May 11.
Acid derivative, Barbituric. W. Ursum, L. Schütz, and L. Taub. 1,584,156; May 11.
Acid, Producing hydrocyanic. R. W. Poindexter, jr. 1,584,137; May 11.
Acid-proof containers, Making. R. M. Warner. 1,584,413; May 11.
Advertising device. C. E. Haggerty. 1,583,970; May 11.
Air heater. C. J. Haniman. 1,584,222; May 11.
Airplane landing gear. H. C. Mummert and W. L. Gilmore. 1,584,466; May 11.
Airship-shed doors, Apparatus for operating. L. G. Fischer and M. G. Hilpert. 1,584,172; May 11.
Air spring. E. L. Beecher. 1,584,351; May 11.
Alloy and manufacturing the same, High lead-bronze. W. E. Day, jr. 1,584,706; May 11.
Anchor. K. Peterson. 1,584,132; May 11.
Anchor, Earth. T. H. Barnard. 1,584,420; May 11.
Anchoring element. S. Pasturzak. 1,583,795; May 11.
Angle bars, Continuous mill for rolling. N. C. Rendleman. 1,584,399; May 11.
Angles, Rolling. W. L. Jones. 1,584,378; May 11.
Animal-trap structure. C. O. Harker. 1,584,091; May 11.
Ant trap. W. F. Cook. 1,584,079; May 11.
Anthraquinone beta sulphonic acid, Purification and isolation of. J. Gubelmann and R. J. Goodrich. 1,584,372; May 11.
Antiseptic. A. C. Holzapfel. 1,584,173; May 11.
Antiskid shoe. J. Soukup. 1,584,676; May 11.
Appliqué motif. K. Lehmann. Des. 70,126–7; May 11.
Ash can. D. H. Kent. 1,584,552; May 11.
Audion or lamp relay or amplifying apparatus. M. C. A. Latour. 1,584,701; May 11.
Auto cover. W. F. Drake. 1,584,518; May 11.
Auto ventilator and glare shield. T. F. Costello. 1,583,780; May 11.
Autographic registers, Roller mounting for. T. W. Widenmann and M. R. Harris. 1,584,578; May 11.
Automobile body. W. G. Saunders. Des. 70,142; May 11.
Automobile brake. I. S. Dement. 1,584,358; May 11.
Automobile driving gear. F. V. Elberts. 1,584,359; May 11.
Automobile heater. W. C. Mason. 1,583,846; May 11.
Automobile heaters, Pipe connection for. V. Sussin. 1,584,486; May 11.
Automobile hoisting device. W. M. Curtis. 1,584,512; May 11.
Automobile jack and rim tool. M. Gelder. 1,584,087; May 11.
Automobile oiling and greasing rack. C. J. Maier. 1,584,463; May 11.
Automobile power-transmitting device. L. B. Zachary. 1,584,065; May 11.
Automobile signal-lamp casing. F. W. J. Robinson. Des. 70,141; May 11.
Automobile signal mechanism. A. C. Ulrich. 1,584,049; May 11.
Automobiles, Apparatus and method for handling and storing. F. P. Dinkelberg. 1,584,080; May 11.
Automobiles, Apparatus for handling and storing. F. P. Dinkelberg. 1,584,517; May 11.
Automobiles, Awning for. J. J. Killip. 1,584,553; May 11.
Automobiles, Card holder for. P. M. Travis. 1,583,942; May 11.
Automobiles, Exhaust stove for. G. Deeter. 1,584,514; May 11.
Automobiles, Lock for. J. Usiech. 1,584,204; May 11.
Automobiles, Running board or step for. W. U. Stonehill. 1,584,573; May 11.
Automotive power plants, Cleaning. I. J. Bevins. 1,584,505; May 11.
Awning. E. Staehelin. 1,584,047; May 11.
Axle oil guard. A. O. Van Dervort. 1,584,409; May 11.
Bag-handling mechanism. M. V. Grono. 1,583,875; May 11.
Bags and similar cases, Reenforcing means for brief. B. Urband. 1,584,260; May 11.
Baking pan. M. Martinov. 1,584,181; May 11.
Ball bearing. C. K. Buswell. 1,583,914; May 11.
Ball joints, Antichatter for. J. L. Bredar. 1,584,428; May 11.
Bath: *See*—
Hot-air bath.
Bathtub. M. Mirkin. 1,584,240; May 11.
Batteries using lead suboxide, Making plates for storage. G. Shimadzu. 1,584,479; May 11.
Battery: *See*—
Storage battery.
Battery-charging device. R. W. Niles. 1,583,792; May 11.
Battery container. T. R. Palmer. Des. 70,137; May 11.
Bayonet locks, Apparatus for molding lock slots of. R. W. Herrick. 1,584,171; May 11.
Bearing, Air-cooled thrust. H. A. S. Howarth. 1,584,174; May 11.
Bearing and making same. J. Brinell. 1,583,913; May 11.
Bearings, Forming side. A. B. Severn. 1,584,040; May 11.
Bedclothes, Retaining. C. P. Littlejohn. 1,584,387; May 11.
Bedside table. W. Porter. 1,584,139; May 11.
Beds, Stabilizer for folding. E. L. Roberti. 1,584,474; May 11.
Beet topper. J. T. Pope. 1,583,796; May 11.
Belt dressing, Leather-. S. Brown. 1,584,209; May 11.
Berry protector and plant mulch. C. A. Adams. 1,584,589; May 11.
Bicycle and the like. C. H. Clark. 1,584,568; May 11.
Bicycle, Folding. F. Mamiya. 1,584,314; May 11.
Binder, Loose-leaf. G. J. Linskey. 1,584,460; May 11.
Binder, Loose-leaf. H. C. Miller. 1,583,848; May 11.
Binder, Staple. B. Jahn and E. E. Kahl. 1,583,929; May 11.
Binders, Lock for loose-leaf. C. F. McBee. 1,584,179; May 11.
Block: *See*—
Interlocking bonding block.
Board: *See*—
Ironing board. Plaster board.
Panel board.
Bodies formed of separate fibers, Method and apparatus for producing. H. B. Lindsay. 1,584,386; May 11.
Boiler: *See*—
Meat boiler. Steam boiler.
Book binding or covering apparatus. P. Larivière. 1,583,889; May 11.
Booklet, Loose-leaf. H. C. Miller. 1,583,847; May 11.
Boots and shoes and the like, Sole and heel for. R. Surridge, jr. 1,583,812; May 11.
Boots and shoes, Resilient trend member of. V. Mráv. 1,584,189; May 11.
Bottle. J. M. Lents. Des. 70,128; May 11.
Bottle closure. H. S. Lee. 1,584,103; May 11.
Bottle filler, Vacuum. A. I. Risser. 1,584,324; May 11.
Bottle holder, Milk-. C. Blitch. 1,584,427; May 11.
Bottle or similar container for perfumes and the like. S. A. Jaroslawski. Des. 70,116; May 11.
Bowling alleys, Pin-setting mechanism for. W. H. Gray. 1,584,030; May 11.
Bowling pin. J. W. Bishop. 1,583,824; May 11.
Box: *See*—
Display bulb box. Refrigerator display box.
Miter box.
Box. F. F. Hamilton. Des. 70,113; May 11.
Boxes, Dispensing device for. U. Lewis. 1,584,234; May 11.
Brace wrench. W. S. Bellows. 1,584,208; May 11.
Bracket, P. J. Walsh. 1,583,945; May 11.
Bracket construction. O. N. Waelti. 1,584,575; May 11.
Brake. F. S. Duesenberg. 1,584,280; May 11.
Brake-beam safety device. P. Maddox and C. M. Hannaford. 1,584,391; May 11.
Brake: *See*—
Automobile brake. Vehicle brake.
Liquid brake. Vehicular brake.
Two-way brake.
Brake guard, Automobile. J. H. Lacy. 1,584,233; May 11.
Brake hanger. F. Schaefer. 1,584,039; May 11.
Brake lining and making same, Impregnated-wood. M. Eichholz. 1,583,966; May 11.
Brake mechanism. L. L. Collins. 1,584,013; May 11.
Brake release, Electric auxiliary. H. M. Ziegler. 1,584,319; May 11.
Brake safety device, Hydraulic. R. Kauch and C. L. Paulus. 1,583,976; May 11.
Brake supporting and operating mechanism. A. S. Fishel. 1,584,361; May 11.
Braking device. J. B. Skeen. 1,584,669; May 11.
Brakes, Operating. T. M. Freeble. 1,584,363; May 11.
Brassière. C. Freeman. 1,584,525; May 11.
Buck and steamer therefor. B. W. Brockett. 1,584,698; May 11.
Bucket, Lunch. G. Freeland. 1,583,920; May 11.
Building blocks, Coating. H. E. Dunn. 1,583,918; May 11.
Building construction. G. W. Chance. 1,583,777; May 11.

Bumper. J. L. Douglass. 1,584,081; May 11.
Bumper and luggage-carrier support, Vehicle. F. J. Laher. 1,584,456; May 11.
Bundle carrier, Self-dump. J. R. Brinkema. 1,584,604; May 11.
Burner: *See*—
Gas burner. Oil burner.
Burner. G. H. Brunow. 1,584,210; May 11.
Burial-casket handle. C. Blesch. Des. 70,095; May 11.
Bus, Motor. R. M. Hawn. 1,584,292; May 11.
Button. W. W. Hobe. Des. 70,114; May 11.
Buttons, Machine for sewing on. A. Haenicke. 1,584,287; May 11.
Buttons or fasteners, Machine for sewing on. G. W. Nelson. 1,583,852; May 11.
Cable brake mechanism. M. Stringer. 1,583,810; May 11.
Cables and strands, Mechanism for treating. F. S. Kochendorfer. 1,583,844; May 11.
Calcining crude lithopone and other materials, Apparatus for. A. S. Krebs. 1,584,381; May 11.
Calf weaner. E. R. Davis. 1,584,437; May 11.
Cameras and the like, Focusing instrument for. G. A. Mitchell. 1,584,186; May 11.
Camp kit and table, Combination. C. S. Hamblin. 1,584,532; May 11.
Can: *See*—
Ash can.
Can opener. G. R. Leggett. 1,583,934; May 11.
Can protector, Oil-. G. A. Shields. 1,584,403; May 11.
Candle, Artificial. J. E. Rosenberg. 1,583,798; May 11.
Canned goods into and from a cooking vessel, Apparatus for conveying. C. J. Alexander and E. Steen. 1,584,067; May 11.
Canned goods, Method and apparatus for cooking. S. H. Paxton. 1,584,397; May 11.
Car axle and making the same, Railway-. W. P. Witherow. 1,584,582; May 11.
Car, Cane. R. Fricke. 1,583,873–4; May 11.
Car couplings, Uncoupling device for. J. A. Roberts. 1,584,652; May 11.
Car door, Freight-. M. E. Mundt and J. V. Cizek. 1,583,990; May 11.
Car, Railway motor. E. Grubler. 1,584,090; May 11.
Car, Tank. R. Welcker. 1,584,338; May 11.
Car truck and assembling the same. H. M. Pflager. 1,584,133–6; May 11.
Carbon deposits, Composition for removing. J. Bird. Re16,350; May 11.
Carbonaceous substances, Apparatus for distillation of. E. R. Sutcliffe. 1,584,487; May 11.
Carburetor. H. Ward. 1,584,412; May 11.
Cargo trimmer. G. O. B. Every. 1,584,442; May 11.
Carrier: *See*—
Bundle carrier. Tire carrier.
Hay carrier.
Carrier for infants or young children. C. C. Bear. 1,584,161; May 11.
Cart, Harrow. H. H. Krohn. 1,583,888; May 11.
Case: *See*—
Show case.
Cases, Sealing fiber shipping. H. R. Bliss. Re16,347; May 11.
Cash drawer and autographic register, Combined. G. J. Neth. 1,583,853; May 11.
Cautery. R. Flick. 1,584,414; May 11.
Cement compositions, Material for use in. R. J. Wig. 1,584,579; May 11.
Centrifugal machines, Reducing air currents in. K. J. Svensson and K. A. P. Norling. 1,584,488; May 11.
Chain-controlling device. H. P. Stevens. 1,584,198; May 11.
Chain hook. F. B. King. 1,584,307; May 11.
Chimney. J. W. Simmons. 1,584,247; May 11.
Chlorine gas, Method of and apparatus for liquefying. W. M. Jewell. 1,584,376; May 11.
Chocolate articles, Manufacturing hollow. W. E. Johnston. 1,583,839; May 11.
Chronometers and watches, Thermostatic compensator for. J. G. Grainger. 1,584,528; May 11.
Chronometric indicating instrument. G. P. Luckey. 1,583,984; May 11.
Chute. R. R. Howell. 1,583,833; May 11.
Cigar holders, cigarette holders, and pipes, Mouthpiece for. J. K. Burgess. 1,583,956; May 11.
Ciphering device. A. Scherbius. 1,584,660; May 11.
Circuit breaker. W. A. Coates, G. E. Gittins, and D. R. Davies. 1,584,612; May 11.
Circuit breakers, Indicating closure plug for. F. B. Kniskern. 1,584,556; May 11.
Circuit closer. O. A. Danielson. 1,584,357; May 11.
Circuits, Switch for electric. J. E. Kennedy and C. E. Morford. 1,584,306; May 11.
Clamp: *See*—
Hose clamp. Joint clamp.
Clamp. B. A. Tetzlaff. 1,584,332; May 11.
Clamp. C. Vitek. 1,584,497; May 11.
Clamp holder. W. O. Kleine. 1,584,555; May 11.
Cleaner: *See*—
Furnace-radiator cleaner.
Cleaning composition with a fluorescent concentration indicator. L. H. Englund. 1,584,022; May 11.
Clock, Case for an alarm. R. H. Whitehead. Des. 70,146; May 11.
Clothes-cleaning brush. J. A. Livesay. 1,584,107; May 11.
Clutch. A. Lentaty. 1,584,104; May 11.
Clutch. M. E. Seely. 1,584,246; May 11.
Clutches, Adjustable shoe for revolving. G. E. Kuykendall. 1,584,563; May 11.
Coal, Apparatus for separating. M. W. Ditto. 1,584,017, May 11.
Coat hanger. J. T. McKenna. 1,584,311; May 11.
Cock and valve, Automatic safety blow-off. D. McKay. 1,584,625; May 11.
Coil tool. O. A. Bader. 1,584,596; May 11.
Colloidal substances in the form of small balls or grain, Manufacture of. A. Obersohn, W. Sachtel, D. Sakom, and P. Askenasy. 1,584,129; May 11.
Column with appurtenances for precision balances, Center. W. Heusser. 1,583,883; May 11.
Combustion control, System of. G. Simmons. 1,584,480; May 11.
Comestibles, Method and apparatus for refrigerating. P. W. Petersen. 1,584,191; May 11.
Composing stick. W. R. Crandall. 1,584,570; May 11.
Compressor, Rotary. F. C. Bell. 1,584,207; May 11.
Compressors, Automatic low-pressure control apparatus. L. F. Hoffman. 1,584,032; May 11.
Concrete and like mixer. J. Temperley. 1,583,863; May 11.
Concrete blocks, Mold for making. K. Bader. 1,584,595; May 11.
Concrete-roof form. P. Rutten. 1,584,658; May 11.
Concrete structure, Reenforced. H. T. Coates. 1,584,216; May 11.
Concrete wall construction. C. Doving. 1,584,019; May 11.
Condenser, Jet. A. Delas. 1,584,515; May 11.
Cone: *See*—
Ice-cream cone.
Container. A. E. Paige. 1,584,641; May 11.
Control apparatus. L. M. Aspinwall and H. R. Meyer. 1,584,592; May 11.
Conveying system. K. Langer. 1,584,565; May 11.
Cooking apparatus. A. M. Demuth. 1,584,516; May 11.
Cord holder and guide. J. D. Archard. 1,584,590; May 11.
Cork-tube-slicing machine. C. E. McManus. 1,584,312; May 11.
Corset. H. A. Colley. 1,584,434; May 11.
Cotton-gin feeders, Cleaner-brush attachment for the rotary drums of. J. W. Carter. 1,584,077; May 11.
Counter structure, Lunch-. L. L. Knox. 1,584,035; May 11.
Coupler-operating mechanism. A. J. Monfee. 1,583,987; May 11.
Coupling: *See*—
Hose coupling.
Coupling. W. E. Bee. 1,584,424; May 11.
Coupling. C. Drake. 1,584,439; May 11.
Covering. T. W. Miller. 1,584,694; May 11.
Crane, Portable. W. Mitchell. 1,584,117; May 11.
Cream remover. W. B. Kellogg. 1,584,550; May 11.
Cream saver and can washer, Combined. N. Behrends. 1,584,599; May 11.
Cream-whipping device. C. A. Kulenkampff. 1,584,562; May 11.
Creasers, cutters, and the like, Tripping mechanism for. C. F. Frauenberger. 1,584,446; May 11.
Cribs, Side panel for. F. S. Rece. 1,584,192; May 11.
Crusher: *See*—
Gyratory crusher.
Crushers, Feeding mechanism for. H. N. Lowenthal. 1,584,622; May 11.
Cup or trough for animals, Drinking. J. A. Jacob. 1,584,298; May 11.
Cups and other receptacles, Drinking. H. M. Burr. 1,584,607; May 11.
Curtain construction, Vehicle. B. P. Donnelly. 1,583,917; May 11.
Curtain fixture. J. H. Boye. 1,584,354; May 11.
Curtain fixture. N. Guglluzzi. 1,584,285; May 11.
Curtain-operating mechanism. P. Clark and T. B. McDonald. 1,584,009; May 11.
Cutting tool. P. A. Wood. 1,584,584; May 11.
Cylinder-boring machine. A. F. Froussard. 1,583,786; May 11.
Cylinder, Picker. H. G. Alexander. 1,583,823; May 11.
Dashpot-controlled switch. G. O. Wilms. 1,584,063; May 11.
Dental filling material. P. W. Kruger. 1,584,560; May 11.
Dental impression tray. P. A. Harris. 1,584,092; May 11.
Dental impression tray. S. Hollander and E. I. Weisberg. 1,583,928; May 11.
Denture, Artificial. W. Devlin. 1,584,438; May 11.
Derrick legs, Jack for. J. E. McEwen. 1,584,390; May 11.
Derrick swinger. K. B. Noble. 1,583,936; May 11.
Detector: *See*—
Wave detector.
Die holder. O. M. Pannier and L. C. Hauer. 1,584,643; May 11.
Digestion apparatus. P. A. Goldfisch. 1,584,089; May 11.
Digger: *See*—
Posthole digger.
Dipper. E. Krafft. 1,584,558; May 11.
Dipper tooth. L. W. Van Buskirk. 1,584,052; May 11.
Direction signal. J. G. Ross. 1,583,856; May 11.

Dishes, Machine for washing. S. T. Sheppard. 1,584,043; May 11.
Disk bearing. W. S. Cothran. 1,584,616; May 11.
Dispensing device. F. H. Engelken. 1,584,441; May 11.
Dispensing device. C. L. Walker. 1,584,336; May 11.
Dispensing device, Refrigerating. F. C. Shelters and M. Bogin. 1,584,328; May 11.
Display bulb box. W. W. Brazzil. 1,584,603; May 11.
Display cabinet and toothpick dispenser, Advertising. R. T. Manning. 1,584,237; May 11.
Display card. C. B. Kellogg. 1,583,843; May 11.
Display rack. G. H. Uhler. 1,583,943; May 11.
Ditcher and terracer. O. H. Arnold, Jr. 1,584,581; May 11.
Doll. M. Oatman. Des. 70,133–4; May 11.
Door handle. R. H. Sullivan. 1,584,153; May 11.
Door knocker. R. M. Pickard. Des. 70,139; May 11.
Door latches, Foot trip for. T. W. White. 1,583,818; May 11.
Door mechanism, Car-. W. F. Cremean. 1,584,436; May 11.
Door mechanism, Car-. W. E. Wine. 1,584,416–18; May 11.
Door operating mechanism. L. P. Hynes. 1,583,835; May 11.
Door, Sliding. H. Hansen. 1,584,289; May 11.
Doorstop. C. V. Neuviller. 1,584,637; May 11.
Douching and irrigating apparatus. R. C. Jackson. 1,584,228; May 11.
Draft control. N. E. Whipple. 1,584,159; May 11.
Drain fixture. H. Lee. 1,584,102; May 11.
Drain, Waste. A. Hess. 1,584,453; May 11.
Drainage fitting. J. A. Healy and J. H. Healy. 1,583,924; May 11.
Drawing implement. C. O. T. Bolling. 1,584,507; May 11.
Drawing mechanism. H. Meier. 1,583,893; May 11.
Dredge, Gold. J. S. Dec. 1,584,277; May 11.
Driers, Roller chain for silk. E. B. Ayres. 1,584,593; May 11.
Drill supporting and feeding apparatus. G. A. Arnold. 1,584,071; May 11.
Drinking bowl for animals. J. C. Fitzgerald. 1,584,362; May 11.
Drinking, Fountain. C. Williams. 1,583,865; May 11.
Drinking fountain, Poultry. J. A. and J. H. Healy. 1,584,536; May 11.
Dump trailer, Bottom-. E. G. Ledyard. 1,584,384; May 11.
Ear cushion. S. Schulhoff. 1,584,662; May 11.
Electric accumulators and the like, Vent plug for. A. L. Davis. 1,583,871; May 11.
Electric detonators, Protecting device for. H. L. Grant. 1,583,922; May 11.
Electric furnace. J. D. Haynsworth. 1,584,535; May 11.
Electric heater. J. S. Dumas. 1,584,281; May 11.
Electric heating apparatus. R. H. Cunningham. 1,584,511; May 11.
Electric heating devices, Attachment plug for. W. Ile. 1,583,884; May 11.
Electric machine, Dynamo-. V. G. Apple. 1,584,502; May 11.
Electric machine, Dynamo-. H. M. Stoller. 1,583,809; May 11.
Electric machine, High-speed. C. L. A. M. Leblanc. 1,584,383; May 11.
Electric meters, Casing for. R. J. Palmer. 1,584,702; May 11.
Electric steam generator. G. H. Crowell. 1,583,961; May 11.
Electric switch. F. P. Gates. 1,584,366; May 11.
Electric switch. G. E. Weissenburger. 1,583,948; May 11.
Electric switch plate. F. Gottlicher. Des. 70,108; May 11.
Electrical machines, Device for maintaining uniform contact and pressure between a stationary and revolving body for. W. C. Wheeler. 1,584,059; May 11.
Electrical switch. R. S. Clarke. 1,584,010; May 11.
Electrical switch. T. Rhodus. 1,584,143; May 11.
Electrical switch. G. K. Timser. 1,584,334; May 11.
Electromagnetic receiver, Loud-speaking. L. Gaumont. 1,584,170; May 11.
Embossing machine, Automatic. R. F. Berndt and P. Collischonn, jr. 1,584,163; May 11.
Engine: *See*—
Internal-combustion engine. Variable-stroke engine.
Engine. H. S. Thorpe. 1,584,567; May 11.
Engine-bed mounting. W. Walt, jr. 1,584,053; May 11.
Engine head. O. E. Barthel. 1,584,003–4; May 11.
Engine for use in logging and the like. J. R. McGiffert. 1,584,686; May 11.
Engine-governing device. H. Edenborough. 1,584,522; May 11.
Engine, particularly steam engine, Gas or vapor. C. L. Cook. 1,584,614; May 11.
Engines, Cam shaft for test. G. D. Argle. 1,583,949; May 11.
Engines, Crank shaft for internal-combustion. F. S. Duesenberg. 1,584,279; May 11.
Engines, Intake manifold for internal-combustion. G. C. Robinson. 1,584,245; May 11.
Entrapping device for bandits or robbers. H. E. Schmaus. 1,584,195; May 11.
Excavator. G. T. Stubbiebine. 1,583,811; May 11.
Exhaust muffling and cooling device. L. E. Clawson. 1,584,215; May 11.
Expander, Tube and flue. G. Wiedeke. 1,584,061; May 11.
Explosive, Nitroglucoside. R. C. Moran. 1,583,895; May 11.
Extension table. M. L. Lovato. 1,584,621; May 11.
Extractor: *See*—
Fruit-juice extractor.
Eyeglass-rim-forming machine. F. Fraser. 1,584,283; May 11.
Eyelets, Device for punching and cutting. W. Stuebing, ar. 1,584,251; May 11.
Eyeshade. F. E. Parsons. 1,583,794; May 11.
Eyeshield. O. C. Shaver. 1,584,041; May 11.
Fan. V. D. Humphrey. 1,584,542; May 11.
Fan. A. W. Tucker. 1,583,804; May 11.
Fan and vanity case, Combined. A. S. Dakis. Des. 70,098; May 11.
Fan, Motor-operated. G. Cancillieri. 1,584,609; May 11.
Fats into cream, Emulsifying and converting. C. E. North. 1,584,126; May 11.
Feathers, Machine for breaking and softening. S. Yaffe. 1,583,822; May 11.
Feed magazine. S. Magnano. 1,584,236; May 11.
Feeder, Poultry. I. P. Hayes. 1,583,828; May 11.
Fencing tool. J. L. Kendall. 1,583,885; May 11.
Fertilizer, Making a. E. L. Pease. 1,584,130; May 11.
Filing cabinet. Card-index. J. Schwarz. 1,584,478; May 11.
Films, Numbered. J. Aller and D. Isnow. 1,583,769; May 11.
Filters, Underdrain for trickling. W. P. Rawn. 1,584,142; May 11.
Fire-control systems, Corrector for. N. E. Methiln. 1,584,182; May 11.
Fire extinguishers, Indicator for. C. Nubring. 1,584,128; May 11.
Fire-extinguishing apparatus. J. G. Harrold. 1,583,880; May 11.
Fires, Extinguishing oil or gas well. J. G. Hanna. 1,584,534; May 11.
Fish, Curing and preserving. A. P. Dobrynin. 1,583,782; May 11.
Fish lure. F. L. Koepke. 1,584,100; May 11.
Fishing tool. M. I. Akins and C. J. Moyer. 1,583,767; May 11.
Flume construction. R. Hardesty. 1,584,290; May 11.
Flytrap. O. T. Gregory. 1,584,529; May 11.
Focusing and switch mechanism. N. M. Hopkins. 1,584,539; May 11.
Folding mechanism. W. Evensen. 1,584,360; May 11.
Footwear. W. MacPherson. 1,584,626; May 11.
Footwear, Manufacture of. C. H. Morrill. 1,583,850; May 11.
Foundations under water, Erecting. M. M. Upson. 1,584,203; May 11.
Fountain: *See*—
Drinking fountain.
Fringe-making machine. C. B. Nelson. 1,583,896; May 11.
Fruit-juice extractor. A. Zouvelos. 1,584,065; May 11.
Fuel and apparatus therefor, Combustion of. J. H. Corthesy. 1,584,615; May 11.
Fuel burners, Sectional impervious hearth for. J. Squires. 1,584,331; May 11.
Fuel, Gaseous. J. Harris. 1,584,291; May 11.
Fuel-reservoir system. P. W. Stephens. 1,583,808; May 11.
Fuels, Method and apparatus for burning. G. E. Hazard. 1,584,452; May 11.
Fume and heat removing device. A. Hedeen. 1,584,707; May 11.
Furfural acetone resins and producing the same. L. T. Richardson. 1,584,144; May 11.
Furnace: *See*—
Electric furnace.
Furnace-radiator cleaner. J. L. Skuttle. 1,584,481; May 11.
Furnace with revolving hearth for continuous working, Annular. L. Honigmann. 1,583,974; May 11.
Game. F. Sjogren. 1,584,668; May 11.
Game apparatus. R. E. Jones. 1,584,547; May 11.
Game apparatus, Golf practicing. R. Harris. 1,584,093; May 11.
Games, Appliance for playing. R. S. Williamson. 1,584,062; May 11.
Game card. T. F. Martin. 1,584,180; May 11.
Game, Educational. R. Mayhew. 1,584,316; May 11.
Game of football. W. R. Purnell. 1,584,141; May 11.
Garage. F. W. Wentworth. 1,584,705; May 11.
Garment hanger. J. D. Thomas. 1,584,000; May 11.
Garter. K. A. Thompson. 1,584,333; May 11.
Garter wear. F. J. Schalow. 1,584,476; May 11.
Gas burner, Natural-. M. Jones. 1,584,546; May 11.
Gas cock. J. M. Bardera. 1,584,270; May 11.
Gasoline-recovery apparatus. H. B. Bernard. 1,584,504; May 11.
Gate: *See*—
Railway-crossing gate. Starting gate.
Gate. F. H. Boyer. 1,583,869; May 11.
Gate fastener. W. T. Woods. 1,584,585; May 11.
Gauge: *See*—
Paper-stop gauge. Stop gauge.
Gauge glass. J. P. Munley. 1,584,394; May 11.

Gear-cutting machine. E. Konik. 1,584,308; May 11.
Gear-shifting device. W. F. Mottler. 1,583,989; May 11.
Gear teeth, Generating. A. Green. 1,583,790; May 11.
Generator: *See*—
Electric steam generator.
Generators, Regulator for steam. R. M. Hyde. 1,584,685; May 11.
Glass: *See*—
Gauge glass.
Glass, Apparatus for making plate. W. G. Watson. 1,583,817; May 11.
Glass, Apparatus for making sheet. W. Owen. 1,583,793; May 11.
Glass, Method and apparatus for feeding molten. J. R. Keller. 1,583,932; May 11.
Glass press, Power-operated. E. E. Slick. 1,584,672; May 11.
Glass, Process and apparatus for making sheet. K. L. W. Core. 1,583,779; May 11.
Glass-surfacing car or table. A. E. Evans. 1,583,785; May 11.
Glass vessels, Device for fusing glass extensions onto. E. Schott, A. Hasenstein, and K. Ditscher. 1,584,661; May 11.
Glassware, Apparatus for annealing. V. Mulholland. 1,584,241; May 11.
Glove for playing handball, Protecting. B. Kennedy. 1,584,304; May 11.
Goblet. E. Bell. Des. 70,091; May 11.
Goggle. G. L. Tully. 1,584,259; May 11.
Gold-letter press. C. I. Nielsen. 1,584,190; May 11.
Gold, White. D. Belais. 1,584,352; May 11.
Golf tee. G. H. Oldring. 1,583,897; May 11.
Golf tee and target. W. E. Hicks. 1,583,830; May 11.
Golf-tee maker. T. J. O'Leary. 1,584,639; May 11.
Governor, Centrifugal speed. T. A. Edison. 1,583,783; May 11.
Governor pump and thermal control, Combined. J. W. Bate. 1,584,421; May 11.
Grader, Road. E. M. Orton. 1,583,991; May 11.
Grinding machine. J. Soderberg. 1,583,807; May 11.
Grinding machines, Adjustable feed wheel for. H. Wernecke. 1,584,339; May 11.
Grinding machines, Dog for. A. P. Steiner. 1,583,940; May 11.
Ground connection. R. C. Fisher. 1,584,524; May 11.
Groves or orchards, Method and apparatus for heating. B. E. Taylor. 1,584,492; May 11.
Gun, Grease. F. Phariss. 1,583,993; May 11.
Gun-mounting laying and sighting arrangement for artillery on aeroplanes. E. Schneider. 1,583,858; May 11.
Gun tools, Fastening device for. B. P. Joyce. 1,584,301; May 11.
Gyratory crusher. R. Bernhard. 1,584,697; May 11.
Hair curler. N. Fulton. 1,584,527; May 11.
Hairdress. L. Skaruda. 1,584,329; May 11.
Handle: *See*—
Door handle.
Saw handle.
Hanger: *See*—
Brake hanger.
Garment hanger.
Coat hanger.
Harness loops, Making. M. R. Cowell. 1,584,168; May 11.
Harrow, Tandem disk. W. G. Yergen. 1,584,266; May 11.
Hay carrier. W. A. Christians. 1,584,610; May 11.
Headlight. M. Albrecht. 1,583,768; May 11.
Headlight. H. J. Graham. 1,584,369; May 11.
Headlight, Automobile. C. E. Blackburn, sr., and J. R. Cambron, sr. 1,584,006; May 11.
Headlight, Electric. H. M. Coulter. 1,584,276; May 11.
Headlight switches, Operating device for automobile. J. E. Kennedy. 1,584,305; May 11.
Heater: *See*—
Air heater.
Pavement heater.
Automobile heater.
Water heater.
Heater. H. P. Mueller. Des. 70,132; May 11.
Heel-attaching machine. R. M. Jones. 1,583,840; May 11.
Heel-attaching machine. W. T. Minett. 1,583,849; May 11.
Heel, Two-part. L. Buckner. 1,584,692; May 11.
Hemstitching machines, Automatic picot cutter for. M. Siegel. 1,584,667; May 11.
Hinge, Spring. W. J. Keene. 1,583,842; May 11.
Holder, Adjustable. R. Chambers. 1,584,509; May 11.
Hook: *See*—
Chain hook.
Watch-bracelet end hook.
Hopper construction. L. P. Hoff. 1,584,295; May 11.
Hose clamp. C. Vitek. 1,584,498; May 11.
Hose coupling. B. F. Bingaman. 1,584,353; May 11.
Hose coupling, Fire-. Z. Dessaints. 1,584,278; May 11.
Hot-air bath. E. Trost. 1,584,155; May 11.
Hot-water bags and the like, Electric heating attachment for. M. C. Levinson. 1,584,106; May 11.
Housing structure, Rear-. G. C. Goode. 1,583,789; May 11.
Humidity and temperature control, Automatic. R. Carlstedt. 1,584,213; May 11.
Hydrocarbon motor. H. D. Church. 1,583,959; May 11.
Hydrocarbons, Apparatus for the decomposition and recombination of. A. T. Stuart and G. N. Middleton. 1,584,048; May 11.
Ice-cream cone. W. M. Roberts. 1,584,653; May 11.
Ice-cream dispenser. H. L. Blomquist. 1,584,601; May 11.
Ice cream, Method of and apparatus for making. J. Willmann. 1,584,580; May 11.
Identifying devices. G. C. Snyder. 1,584,330; May 11.
Ignition apparatus, Impulse starter for. L. Beeh. 1,584,162; May 11.
Impulses to a distance, especially applicable for actuating gun triggers, Mechanism for transmitting. G. Constantinesco. 1,584,435; May 11.
Incubator. H. H. Treffer. 1,584,154; May 11.
Incubators, Lamp for. F. D. Cornell. 1,584,014; May 11.
Incubators, Regulator for. F. S. McKibben. 1,583,791; May 11.
Indexing device. A. Menger. 1,584,238; May 11.
Indexing symbols on films, Method of and apparatus for printing. W. Hohmann. 1,584,296; May 11.
Indicator: *See*—
Liquid-volume indiactor.
Oil-level indicator.
Ink-distributing roller. F. Temmen. 1,584,255–6; May 11.
Insecticide. S. Lomanitz. 1,584,235; May 11.
Instruction roll. I. M. Bloch. 1,584,073; May 11.
Insulating coverings on electrical conductors, Apparatus for applying. B. M. A. Trebes. 1,583,815; May 11.
Insulator for handled vessels. I. Ciulee. 1,584,433; May 11
Interlocking bonding block. H. R. McLachlan. 1,583,985; May 11.
Internal-combustion engine. J. Astrom. 1,584,348; May 11.
Internal-combustion engine. C. B. Britton. 1,584,605. May 11.
Internal-combustion engine. A. A. Bull. 1,583,955; May 11.
Internal-combustion engine. W. P. Rudkin. 1,584,656–7; May 11.
Iron: *See*—
Pressing and laundry iron.
Soldering iron.
Ironers, Delivery table for flatwork. F. J. Leidecker. 1,584,458; May 11.
Ironing board. E. S. Johnson. 1,584,377; May 11.
Ironing-board support. O. R. Lott. 1,583,983; May 11.
Ironing machines, Interwoven padding for use on. B. M. Anill. 1,584,503; May 11.
Jack: *See*—
Lifting jack.
Spring jack.
Service jack.
Jig. V. E. Walters. 1,583,946; May 11.
Joint: *See*—
Panel joint.
Joint clamp. O. Anderson. 1,584,069; May 11.
Joint installer, Expansion. A. C. Fischer. 1,584,443; May 11.
Journal bearing. W. M. Manning. 1,584,114; May 11.
Kier solution controller. A. F. Taylor. 1,584,491. May 11.
Knife. R. E. Brown. 1,584,165; May 11.
Knife. R. E. Epps, jr. 1,583,967; May 11.
Knife, Honeycomb-decapping. G. W. Markle and E. C. Hardie. 1,584,392; May 11.
Knitting machines, Yarn feed for. J. C. Kane. 1,584,099; May 11.
Knob, Control. L. G. Pacent. Des. 70,135; May 11.
Lace. S. H. Page. Des. 70,136; May 11.
Lace. H. A. Phillips. Des. 70,138; May 11.
Lamp base. T. Chadock. Des. 70,096; May 11.
Lamp, Dash. W. Hermann. 1,584,373; May 11.
Lamp, Portable electric. H. M. Koretzky. 1,584,454; May 11.
Lamp post, Illuminated. E. G. Cameron. 1,584,430; May 11.
Last. Geo. Clausing. 1,584,431; May 11.
Latch, Gate. B. O. Jemtegaard. 1,584,176; May 11.
Laundry bag. K. L. Drummond. Des. 70,103; May 11.
Lead oxide, Manufacturing. G. Shimadzu. 1,584,151; May 11.
Leak-stop construction. L. C. Norton. 1,584,127; May 11.
Lead suboxide intermingled with powder of metallic lead, Manufacture of powder of. G. Shimadzu. 1,584,150; May 11.
Lens. W. E. Kerns. 1,583,886; May 11.
Lenses, Support for work-magnifying. A. M. Dritz. 1,584,519; May 11.
Level. J. H. Carrier. 1,583,957; May 11.
Lifter: *See*—
Valve-spring lifter.
Lifting jack. D. A. Keating. 1,584,549; May 11.
Lifting jack. N. W. Littlejohn. 1,584,178; May 11.
Light dimmer. L. G. Guido. 1,584,286; May 11.
Light fixtures, Globe holder for electric and gas. W. O. Kleine. 1,584,554; May 11.
Light signal. S. P. Hull. 1,584,541; May 11.
Light sources, Apparatus for determining the spherical luminous intensity of. H. M. H. Reufel. 1,584,650; May 11.
Lighter, Cigar. J. W. Bate. 1,584,423; May 11.
Lighting fixture, Ceiling. S. Kostrzewski. Des. 70,120; May 11.
Lighting fixture, Electric-. I. Kranz. Des. 70,121–3; May 11.
Lighting fixtures, Bracket arm for. I. Kranz. Des. 70,124–5; May 11.

Lighting fixtures, Loop for. G. H. Villaret. Des. 70,145; May 11.
Limit-control system. E. F. Chandler. 1,584,356; May 11.
Lines of single type, Production of justified. R. C. Elliott. 1,584,440; May 11.
Liquid brake, Rotary. F. L. Horspool, and J. C. Miles. 1,584,228; May 11.
Liquid-circulating system. L. Aeby, and H. Kocourek. 1,584,002; May 11.
Liquid deoxidizer. L. H. Hill. 1,584,537; May 11.
Liquid meter. F. S. Rippingille. 1,583,899; May 11.
Liquid-volume indicator. A. Urfer. 1,584,495; May 11.
Liquor for dried hides and the like, Soaking. D. J. Lloyd and R. H. Pickard. 1,584,462; May 11.
Loading apparatus. J. R. Verhoeff. 1,584,496; May 11.
Lock: *See*—
Radius-rod safety lock.
Window lock.
Steering-wheel lock.
Locking device, Car-door-. W. E. Wine. 1,584,415; May 11.
Loom, Needle. G. B. Ambler. 1,584,680; May 11.
Looms, Cam for. J. E. McCarvey. 1,584,310; May 11.
Looms, Stop motion for. L. P. Landry. 1,584,457; May 11.
Looms, Transferring mechanism for filling-replenishing. P. Keegan. 1,584,693; May 11.
Loud speaker. M. C. Hopkins. Des. 70,115; May 11.
Machine-switching banks, Cleaner for. W. F. Kannenberg. 1,584,033; May 11.
Magnesium-aluminum alloy. H. E. Bakken. 1,584,688; May 11.
Magnet contactor. G. W. Huey and H. D. James. 1,584,540; May 11.
Mail-box support. J. F. England. 1,584,085; May 11.
Mail, Rack for assorting. J. J. Stenegaard. 1,584,678; May 11.
Mailing folder. C. L. Benedict. 1,583,867; May 11.
Manicuring implement. R. T. Wright. 1,583,909; May 11.
Map head. J. G. McConnell. 1,584,112; May 11.
Map holder, Road-. R. J. Richey. 1,583,998; May 11.
Marking or painting lines, Machine for. H. B. Ault. 1,584,687; May 11.
Mask, Face. S. Cocroft. 1,584,012; May 11.
Massaging device. J. Palmer. 1,584,695; May 11.
Mast. H. A. Clark. 1,584,611; May 11.
Match-packeting machines, Match strip for. N. M. Markowitz. 1,584,628; May 11.
Match safe. C. Hammergren. 1,584,288; May 11.
Material from gases, Apparatus for electrical precipitation of suspended. C. H. Weiskopf. 1,584,055; May 11.
Mathematics, phonics, and silent reading, Rapid and changeable drill for. S. K. and A. B. Davis. 1,584,513; May 11.
Mattress ticking. R. Binkovitz. Des. 70,092–4; May 11.
Mayonnaise, Oil retaining and dispensing receptacle for the making of. M. B. Montague. 1,584,634; May 11.
Measuring grain device. T. Decker. 1,584,571; May 11.
Meat boiler. R. Lippert. 1,584,461; May 11.
Mechanical shovel. I. M. Charles. 1,583,870; May 11.
Medicinal applicator. C. H. Maranville. 1,584,464; May 11.
Metal bands supple, Rendering. F. Zachhuber. 1,584,499; May 11.
Metal-frame screen. E. Holaday and L. S. Whipp. 1,583,972; May 11.
Metal from the material containing it, Separating. E. B. Kirby. 1,583,933; May 11.
Metal mold. J. L. Dostal and W. S. Anderson. 1,584,018; May 11.
Metal powder, Manufacturing. G. Shimadzu. 1,584,149; May 11.
Metal, Process and apparatus for volatilizing. H. E. Bakken. 1,584,689; May 11.
Metal structural members, Production of expanded-sheet-. H. M. Gersman. 1,583,787; May 11.
Metals, Casting. A. Beck. 1,584,072; May 11.
Metals, Electrodisposition of. C. P. Madsen. 1,583,891; May 11.
Metallic containers, Mechanism for cleaning. O. W. and H. O. Jantz. 1,583,930; May 11.
Metallic packing. B. P. Joyce. 1,584,700; May 11.
Metallic stems for artificial leaves and applying the leaves thereto, Producing. G. S. Walker. 1,584,262; May 11.
Meter: *See*—
Liquid meter.
Volt-ampere meter.
Timing meter.
Watt-hour meter.
Metering apparatus, Liquid-. H. L. Van Valkenburg. 1,584,051; May 11.
Milk oil from sour milk, Producing. C. E. North. 1,584,125; May 11.
Milk-pasteurizing apparatus. C. Mortensen. 1,583,851; May 11.
Mining machine. E. O'Toole. 1,583,992; May 11.
Mirror and vanity case, Ornamental wrist. E. Zaldo. 1,584,205; May 11.
Miter box. C. E. West. 1,584,057; May 11.
Miter-cutting machine. B. Rehm. 1,583,797; May 11.
Mixer: *See*—
Concrete and like mixer.
Mixing device. J. W. Smith. 1,584,046; May 11.
Mixing machine. J. ver Mehr. 1,583,892; May 11.
Mold: *See*—
Metal mold.
Molding device. E. B. Norris. 1,584,638; May 11.
Molding or pressing and article. A. Rein and R. Liefke. 1,584,193; May 11.
Monitor. F. H. Kroger. 1,584,559; May 11.
Motor: *See*—
Hydrocarbon motor.
Time-controlled motor.
Self-starting motor.
Wave motor.
Motor and pump or compressor, Fluid. V. Dimino and O. Morriale. 1,584,016; May 11.
Motor-control system. R. J. Butler. 1,584,608; May 11.
Motor-control system and apparatus. F. H. Penney. 1,584,703; May 11.
Motors, Brush mounting for electric. R. R. Shay. 1,584,665; May 11.
Motors, Liquid controller for two and three phase slip-ring. A. West. 1,584,158; May 11.
Motors, Rotor for induction. H. L. Tanner. 1,584,253; May 11.
Motor cycles and the like, Leaning support for. E. C. Henderson. 1,584,096; May 11.
Mud lug. H. E. Riggle. 1,584,651; May 11.
Muffler and the like. H. H. Williams. 1,583,908; May 11.
Music-roll-feed mechanism. J. O. Fowler. 1,584,282; May 11.
Necktie holder. H. Kohlrogawa. 1,584,036; May 11.
Nest. J. J. and M. Owens. 1,584,396; May 11.
Net in conjunction with other nets without aid of a bottom bar jacquard, Making Ensor. B. W. Blore. 1,584,074; May 11.
Net, Mosquito. D. W. Davis. 1,583,872; May 11.
Nozzle support, Portable fire-hose-. J. B. Blaw. 1,583,772; May 11.
Objects, Machine for turning irregular. H. F. Loewer. 1,583,845; May 11.
Oil and casein from cream, Obtaining. C. E. North and H. B. Larner. 1,584,124; May 11.
Oil, Apparatus for burning. W. H. Pascoe. 1,584,471; May 11.
Oil burner. T. Davis. 1,584,617; May 11.
Oil burner, Crude-. C. P. Whittenberg. 1,584,001; May 11.
Oil burner, Vertical fuel-. E. A. Reid. 1,583,996; May 11.
Oil burners, Initial oil-heating means for. I. E. Smith. 1,584,045; May 11.
Oil from milk, Extracting. C. E. North. 1,584,123; May 11.
Oil-level indicator. W. D. Swiggart and F. M. C. Usher. 1,583,941; May 11.
Oil, Method of and apparatus for atomizing and burning fuel. E. A. Reid. 1,583,995; May 11.
Oil retainer. C. L. White. 1,584,340; May 11.
Oil-well-cleaning apparatus. F. A. Monroe. 1,584,187; May 11.
Oil wells, Device for torpedoing. F. I. Alexander. 1,584,068; May 11.
Oils, Apparatus for cracking. R. C. Holmes and F. T. Manley. 1,583,973; May 11.
Oils, Treating lubricating. E. G. Acheson. 1,584,588; May 11.
Oiler, Wheel. W. L. Palmer. 1,584,642; May 11.
Oiling system. J. R. Tillman. 1,584,494; May 11.
Optical apparatus. H. L. Dunn. 1,583,965; May 11.
Orthodontic appliance. E. H. Angle. 1,584,501; May 11.
Oscillator, Three-phase. A. H. Taylor. 1,584,490; May 11.
Oven-cleaning device, Baker's. B. Castro. 1,584,214; May 11.
Oven door. H. Moecker, jr., and T. Thompson. 1,584,121; May 11.
Oven gas range, Right and left hand. H. Moecker, jr., O. Hammermeister, and T. Thompson. 1,584,120; May 11.
Packages of cigarettes, Match-holding attachment for. L. L. Williams. 1,583,820; May 11.
Packing pad. W. E. Leibing and L. C. Taggart. 1,583,980; May 11.
Packing ring. B. P. Joyce. 1,583,931; May 11.
Pad: *See*—
Packing pad.
Truss pad.
Pedal cover pad.
Padding. J. H. Taylor. 1,584,493; May 11.
Paint. G. Shimadzu. 1,584,152; May 11.
Paint and varnish, Composition for the removal of. S. B. Koory. 1,584,281; May 11.
Pan: *See*—
Baking pan.
Refrigerator drip pan.
Pan. C. Jenks and C. E. Nelson. 1,584,543; May 11.
Panel boards, Metering. O. S. Jennings. 1,584,544; May 11.
Panel joint. W. Marshall. 1,584,393; May 11.
Paper-hanging device for ceilings. E. R. Burkey. 1,584,273; May 11.
Paper-making machine. A. Aldrich. 1,584,344–5; May 11.
Paper-making machine, Fourdrinier. H. Leibeck. 1,583,981; May 11.
Paper, Method and apparatus for finishing. A. G. Gilman. 1,583,788; May 11.
Paper-mill pump. A. X. Kennedy. 1,583,978; May 11.
Paper stock, Machine for working. G. L. Bidwell. 1,583,771; May 11.
Paper stop gauge, Safety. C. F. Frauenberger. 1,584,447; May 11.

Parachute. A. Schwarz. 1,583,802; May 11.
Paring machine, Apple-. J. W. Pease. 1,584,398; May 11.
Paste, Coloring-matter. E. Theobald. 1,584,202; May 11.
Paste, Library. W. E. Malm. 1,584,113; May 11.
Pavement heater. G. A. Coats. 1,583,915; May 11.
Pedal cover pad. W. F. Schacht. 1,584,659; May 11.
Peeler. A. Steinhilber. 1,584,249; May 11.
Pelt stretcher. C. E. Watson. 1,583,947; May 11.
Pen, Fountain. I. D. Tefft. Re16,349; May 11.
Pencil, Automatic refilling lead. H. Sasaki. 1,584,326; May 11.
Pencil of the magazine type. H. A. Vail. 1,584,050; May 11.
Perforating machine. J. C. Knight. 1,584,230; May 11.
Photographic lens. L. Bertele. 1,584,271–2; May 11.
Photographic printer and enlarger, Combined. C. A. Lare. 1,583,979; May 11.
Photographic shutter. G. W. Topliff and C. Bornmann. 1,584,408; May 11.
Picker. H. C. Bausinger, jr., G. W. Faulkener, and J. O. Turner. 1,583,866; May 11.
Picture apparatus, Motion-. E. Mechau. 1,584,317; May 11.
Picture frame and stand therefor, Combined. M. Lesklewicz and W. Bartkowiak. Des. 70,129–30; May 11.
Picture machines, Projecting apparatus for moving-. A. J. Holman. 1,584,098; May 11.
Picture projecting or exhibiting means. N. Pemberton-Billing. 1,584,708; May 11.
Pillow top. E. Chantland. Des. 70,097; May 11.
Pin: *See*—
Bowling pin.
Pinwheel. J. Heberling. 1,583,881; May 11.
Pipe-engaging slip. G. R. Livergood. 1,584,388; May 11.
Piston. E. M. Williams. 1,584,265; May 11.
Piston and ring. W. G. Duncan. 1,584,520; May 11.
Piston, Internal-combustion-engine. H. L. Quintenz. 1,584,470; May 11.
Pit sinking. W. Zimmermann. 1,584,160; May 11.
Planers and the like, Table-adjusting device for. W. I. Hallock. 1,583,870; May 11.
Plant-forcing device. S. M., A., and S. C. Merwarth. 1,584,632; May 11.
Plant protector. T. Kakiuchi. 1,584,302; May 11.
Plants, Machine for decorticating the fibrous leaves or stems of. E. Wright. 1,584,588; May 11.
Plants, Treating. S. Tarnok. 1,584,254; May 11.
Plaster board. J. Schumacher. 1,584,148; May 11.
Plaster board, Covered-edge. J. Schumacher. 1,584,663; May 11.
Plaster-gun apparatus. J. F. Johnson. 1,583,838; May 11.
Plastering, Adjustable ground for. C. B. McCallum. 1,584,110; May 11.
Plate or analogous article. W. P. Graham. Des. 70,110–12; May 11.
Platen presses, Automatic feeder for. S. H. Plum, 2d, and A. Ackley. 1,584,468; May 11.
Platen presses, Tripping mechanism for. S. H. Plum, 2d, and A. Ackley. 1,584,469; May 11.
Plow, Reversible. T. Loeffelman. 1,584,620; May 11.
Plug, Multiple tie. C. C. Warne. 1,584,337; May 11.
Poles, Reenforcement for. G. B. Spring. 1,584,405; May 11.
Polish, Furniture and auto. J. Thomas. 1,584,257; May 11.
Pop-corn popper. B. R. La Dew. 1,584,455; May 11.
Porch shade. A. Amrein. 1,583,910; May 11.
Post: *See*—
Lamp post.
Posthole digger. M. W. Reynolds. 1,583,855; May 11.
Power-lift implement. H. Petzoldt. 1,584,644; May 11.
Power-operated material loading, conveying, and discharging machine. H. Shedenhelm. 1,584,042; May 11.
Power transmission for vehicles. C. L. Best. 1,584,425; May 11.
Precious stones, Apparatus for grinding and polishing. W. A. Donaldson. 1,583,963; May 11.
Press: *See*—
Glass press. Gold-letter press.
Pressing and laundry iron, Electrically-heated. T. Wallace. 1,584,411; May 11.
Pressing machine. J. F. Jonbert. 1,584,229; May 11.
Pressure-controlled device. H. R. Till. 1,583,814; May 11.
Pressure-relief device. C. C. Egbert. 1,584,523; May 11.
Prime mover. H. H. Suplee. 1,584,200; May 11.
Printer. G. A. Mitchell. 1,584,185; May 11.
Printing and addressing machine. J. S. Duncan and U. G. Lee. 1,584,020; May 11.
Printing, Machine for producing raised. R. F. Berndt. 1,584,164; May 11.
Printing, Making embossed. A. L. Smith. 1,583,861; May 11.
Printing of impressions, Preparing plates for the. E. L. Geiger. 1,584,368; May 11.
Printing plates, Method of and apparatus for making. L. Smith. 1,584,483; May 11.
Printing plates, Method of and device for registering. A. B. Davis. 1,583,825; May 11.
Printing, Preparing an aluminum sheeting for. L. Radó. 1,584,647; May 11.
Printing presses, Suction nozzle for. S. H. Plum, 2d, and H. Duff. 1,584,467; May 11.
Puller: *See*—
Wheel puller.
Pump and the like, Liquid-dispensing. G. H. Williams. 1,584,341; May 11.
Pumps for lubricator pumps, Device for adjusting the stroke of feed. A. Grützner. 1,584,449; May 11.
Pyrophoric lighter. H. Thorens. 1,584,258; May 11.
Quadrant. T. Arimitsu. 1,583,950; May 11.
Rack: *See*—
Automobile oiling and greasing rack. Display rack.
Umbrella rack.
Radiocabinet. C. H. Derry. Des. 70,101; May 11.
Radiocircuits, Condenser and leak for. G. S. Cornish. 1,584,015; May 11.
Radiodials, Panel for. W. A. Ready. Des. 70,140; May 11.
Radiofrequency signal systems, Aerial attachment device for. G. O. Squier. 1,584,197; May 11.
Radiointerference on wire lines, Method and apparatus for balancing out. R. W. Deardorff. 1,583,826; May 11.
Radio receiving apparatus. B. B. Minnium. 1,584,116; May 11.
Radio receiving set, Portable. H. Farkouh. 1,584,220; May 11.
Radio receiving system. E. W. Kellogg. 1,584,551; May 11.
Radio tube socket. W. F. Kaynor. 1,584,303; May 11.
Radius-rod safety lock. E. C. Fuller. 1,584,526; May 11.
Rail-bearing guide. V. E. and R. V. Randall. 1,584,648; May 11.
Railway-crossing gate. B. Johnson. 1,584,177; May 11.
Railway-crossing signal. C. A. McDonald. 1,584,624; May 11.
Railway grade crossing. P. E. Glafcke. 1,584,088; May 11.
Railway tie. R. J. Wells. 1,584,056; May 11.
Railway vehicles, Trip valve for use with the air brakes of. A. D. Jenkins, E. T. Brook, W. S. Davidson, and P. F. Brittain. 1,584,299; May 11.
Range, Gas. F. W. and G. A. Robertshaw. 1,584,400; May 11.
Ranges or the like, Cooking top or burner frame for gas. H. Moecker jr., and T. Thompson. 1,584,118; May 11.
Ranges or the like, Making cooking top or burner frames for gas. H. Moecker, jr., and T. Thompson. 1,584,119; May 11.
Receptacle. O. Green. 1,584,370; May 11.
Reel. B. A. Berger. 1,583,868; May 11.
Reflector. W. A. Lenz. 1,584,105; May 11.
Refrigerating, Machine for and method of. C. L. A. M. Leblanc. 1,584,382; May 11.
Refrigerating machines, Control for. K. D. Perkins and A. D. Karr. 1,584,243; May 11.
Refrigerator. W. P. Willson. 1,583,821; May 11.
Refrigerator display box. G. N. Rabickow. 1,584,244; May 11.
Refrigerator drip pan. G. F. Irons. 1,584,175; May 11.
Refrigerator-flue construction. W. H. Whittier. 1,583,819; May 11.
Regulator: *See*—
Speed regulator.
Regulator system. W. M. Bradshaw and J. H. Ashbaugh. 1,584,602; May 11.
Resilient wheel. J. L. Stoltz. 1,584,679; May 11.
Resins, Manufacture of artificial. A. Regal. 1,584,472; May 11.
Resin, Preparation of artificial. A Regal. 1,584,473; May 11.
Resistors, Terminal for. H. A. Hands. 1,584,533; May 11.
Rest or ground seat, Back. A. J. Garnham. 1,584,448; May 11.
Return motion, Quick-. H. F. L. Orcutt and J. W. Snarry. 1,584,640; May 11.
Rice, Apparatus for the milling of. G. M. Miles. 1,584,183; May 11.
Rim-cleaning tool. L. M. Dunn. 1,584,021; May 11.
Rim holder, Spare-. C. M. Tripp. 1,583,905; May 11.
Rims, Sealing device for the valve-stem openings of wheel. H. E. Miebach and B. Chaplin. 1,584,633; May 11.
Ring: *See*—
Packing ring.
Ringer. E. A. Bohlman. 1,584,506; May 11.
Rivet set. W. S. Bidle. 1,583,770; May 11.
Road-finishing machine, Concrete-. E. H. Lichtenberg. 1,584,385; May 11.
Road planer. R. and T. A. Brownson. 1,583,776; May 11.
Rock-drilling mechanism. E. G. Gartin. 1,584,026; May 11.
Roller: *See*—
Ink-distributing roller.
Roof construction, Sheet-metal. E. E. Perritt. 1,584,131; May 11.
Roofing. H. R. Wardell. 1,584,054; May 11.
Roofing and the like, Method and machine for coating. H. C. Koch. 1,584,557; May 11.
Roofing sheets, Preparing. H. G. Kelly. 1,583,977; May 11.

Ropes, Rope guide and lubricator for drill. F. Swan. 1,584,704; May 11.
Routing and profiling machine, Portable. R. L. Carter. 1,584,078; May 11.
Rubber articles, Apparatus for vulcanizing. T. W. Miller. 1,584,465; May 11.
Rubber, Severing. R. T. Griffiths. 1,584,371; May 11.
Safe, Disappearing. H. W. Heise. 1,584,294; May 11.
Salt glazing. H. G. Schurecht. 1,583,901–2; May 11.
Sander, Pneumatic. T. S. Gilmore. 1,584,027; May 11.
Saw, Chain. W. A. Meighan. 1,584,631; May 11.
Saw, Cordwood. C. Gottschalk. 1,584,029; May 11.
Saw handle. A. W. Watson. 1,584,157; May 11.
Saw, Portable. W. A. Meighan. 1,584,630; May 11.
Saw, Tnbie. C. Gottschalk. 1,584,028; May 11.
Sawing machine. L. T. Fonda. 1,584,086; May 11.
Scale. F. G. L. and E. E. L. Boyer. 1,584,508; May 11.
Scale-beam pivot. J. M. Hinchey. 1,584,538; May 11.
Scale, Weighing. G. F. Hochriem. 1,584,097; May 11.
Scales, Chart housing and bearing for. G. M. Ludlow. 1,584,109; May 11.
Scraper. M. Okl. 1,584,319; May 11.
Screen: *See*—
Metal-frame screen.
Scum prevention. H. G. Schurecht. 1,583,903; May 11.
Seal. E. E. Flora. 1,583,919; May 11.
Seat: *See*—
Rest or ground seat. Valve seat.
Spring seat.
Seat structure, Spring. L. Blackmore and F. A. Voelke. 1,583,953; May 11.
Self-starting motor. J. T. Sibley. 1,583,804; May 11.
Sending system. L. Kühn. 1,584,561; May 11.
Separator. W. F. Nagel. 1,584,635; May 11.
Service jack, Automobile. W. P. Evans and C. F. Horton. 1,584,169; May 11.
Sewerage, Tidal conduit system for. H. G. Shockley. 1,584,666; May 11.
Sewing machine, Lock-stitch. M. Hemleb. 1,583,925–6; May 11.
Sharpening device. O. S. Wright. 1,584,342; May 11.
Shears. W. W. Link. 1,584,459; May 11.
Sheet bar while being rolled hot, Device for removing scale and surface defects from. J. L. Smith. 1,584,674; May 11.
Sheet-feeding mechanism. C. F. Frauenberger. 1,584,445; May 11.
Sheets, Process of and apparatus for making composite. J. E. Hager. 1,584,450; May 11.
Shingle. H. L. Fischer. 1,584,023; May 11.
Shingle machine. N. P. Harshberger. 1,584,095; May 11.
Shingle, Metallic. O. P. Greenstreet. 1,583,969; May 11.
Shingle, Strip. H. Abraham. 1,584,343; May 11.
Shock absorber. G. Lukens. 1,584,380; May 11.
Shock absorbing and snubbing device. R. T. A. Burke. 1,584,211; May 11.
Shoe. A. Cascia. 1,583,958; May 11.
Shoe-fastening device. S. Szastalo. 1,584,201; May 11.
Shoe holders, Rack for. E. Erickson. 1,583,784; May 11.
Shoe-polish dauber, Fountain. R. Laplerre. 1,584,566; May 11.
Shoes, Machine for operating on. G. A. Miner. 1,584,239; May 11.
Shoes, Pneumatic insertion for. A. Klotz. 1,584,034; May 11.
Short-circuiting device. E. M. Wright. 1,584,064; May 11.
Shovel: *See*—
Mechanical shovel.
Shovel or like implement. J. L. Demars. 1,583,916; May 11.
Show case. F. A. Kilbourn. 1,583,887; Apr. 9.
Shuttles, Tension device for loom. D. W. Lance. 1,584,564; May 11.
Submarine sound signaling apparatus. W. Hahnemann. 1,583,876; May 11.
Side light, Right-fender. B. G. Fredrick. 1,584,025; May 11.
Sign, Display. C. L. Beswicke. 1,583,912; May 11.
Sign exhibitor. A. E. Davis. 1,584,218; May 11.
Signal: *See*—
Direction signal. Railway-crossing signal.
Light signal. Warning signal.
Signal. F. Bates. 1,584,598; May 11.
Signal flasher. G. V. Karlson. 1,583,841; May 11.
Signature-delivery mechanism, Packer finger for. H. M. Barber. 1,584,340; May 11.
Silencer. H. P. Maxim. 1,584,315; May 11.
Silk and other products from nitrocellulose, Manufacturing artificial. E. Bindschedler and G. Juer. 1,584,005; May 11.
Sink fixture. W. F. Van Eweyk. 1,583,944; May 11.
Skipping device. M. M. Moore. 1,584,122; May 11.
Sled, Propelled. P. Kretowicz. 1,584,232; May 11.
Sleigh, Steering. S. S. Griffin. 1,584,580; May 11.
Slotter mechanism. R. L. Wilcox. 1,584,263; May 11.
Smoker's ash receiver. J. S. Sherman. Des. 70,143; May 11.
Smokers' stands, Gripper for. R. G. Fleming. 1,584,024; May 11.
Snap switch. F. P. Gates. 1,584,367; May 11.
Soubber. C. E. Boone. 1,584,075; May 11.
Socket switches, Detent-tripping mechanism for. R. D. Smith. 1,583,939; May 11.
Socket wrench. T. A. Pomije and J. W. Emmers. 1,584,138; May 11.
Sockets, Delayed cut-out for pull. R. D. Smith. 1,583,938; May 11.
Sodium sulphide, Making. H. P. Bassett. 1,584,597; May 11.
Solder, Aluminum. J. De May. 1,584,219; May 11.
Soldering iron. F. Morgan. 1,584,318; May 11.
Solids from liquids, Apparatus for separating. G. B. Burnham. 1,584,166; May 11.
Sounds, Method and apparatus for transmitting and reproducing. H. C. Hayes. 1,584,451; May 11.
Spark-plug-cleaning implement. W. S. Saunders. 1,584,325; May 11.
Speed-control system. C. S. Bushnell. 1,584,274; May 11.
Speed regulator. R. E. Alexander. 1,584,268; May 11.
Splicing needle, Wire-line-. L. L. Fuller. 1,584,365; May 11.
Spool. J. M. Brown. 1,584,355; May 11.
Spray appliances, Paint container for. W. Hersleb. 1,583,927; May 11.
Spray cabinet. H. G. Bartling. 1,583,911; May 11.
Spring: *See*—
Air spring.
Spring balance. C. C. White. 1,584,060; May 11.
Spring jack. L. G. Pacent. 1,584,321; May 11.
Spring seat. A. Weickman. 1,584,577; May 11.
Spring wheel. P. Eisenbach. 1,584,082–3; May 11.
Starting gate. A. T. J. Bahr. 1,583,951; May 11.
Steam boiler. J. C. Parker. 1,584,322; May 11.
Steel wool, Machine for making. W. H. Robbins. 1,584,145; May 11.
Steering gear. H. M. Denyes. 1,583,962; May 11.
Steering-gear holder. V. Bares. 1,583,952; May 11.
Steering-wheel lock. E. G. Love. 1,583,890; May 11.
Stenciling machine. J. E. Shaver, jr. 1,583,803; May 11.
Stereopticon slide. H. L. Hagan. 1,584,531; May 11.
Still. J. Young. 1,584,267; May 11.
Stitching machine. E. Leschhorn. 1,583,935; May 11.
Stop gauge. J. T. Driggers. 1,583,964; May 11.
Storage battery. N. Harrison. 1,584,094; May 11.
Storage battery. F. L. Sears. 1,583,859; May 11.
Storage battery and electrode therefor. T. Spencer. 1,584,248; May 11.
Stove structure. E. F. Sieloff. 1,583,805; May 11.
Sundial, Pocket. J. A. Sautter. 1,584,194; May 11.
Swab. W. J. Carpenter. Re. 16,348; May 11.
Switch: *See*—
Dashpot-controlled switch. Electrical switch.
Electric switch. Snap switch.
Switch. E. E. Rose. 1,584,655; May 11.
Switchboard. W. E. McCoy. 1,584,623; May 11.
Table: *See*—
Bedside table. Extension table.
Table. E. A. Fuller. 1,584,364; May 11.
Talking machine and the like. F. A. Mitchell. 1,584,184; May 11.
Talking machine, Cabinet. C. Stille. 1,584,485; May 11.
Tanning substance, Artificial. O. Schmidt. 1,583,801; May 11.
Teaching reading. R. T. Marino. 1,584,627; May 11.
Telegraph system, Duplex. A. Atherton and W. Janson. 1,584,682; May 11.
Telegraphy, Duplex system of. H. W. Drake. 1,584,684; May 11.
Telegraphy, Metallic duplex system of. A. Atherton. 1,584,681; May 11.
Telegraphy, Plural duplex system of. F. E. d'Humy. 1,584,683; May 11.
Telephone attachment. S. A. Kornsweet. 1,584,038; May 11.
Telephone receiver. W. Heusser. 1,583,882; May 11.
Tent structure. C. J. Holgaard. 1,583,831; May 11.
Tent-window structure. C. J. Holgaard. 1,583,832; May 11.
Testing machine. W. A. Johnson and R. Hueckler. 1,584,300; May 11.
Testing material. W. Hahnemann, A. du Bois-Reymond, E. Rother, W. Rudolph, and G. Wolff. 1,583,877; May 11.
Testing materials, Method and apparatus for. J. W. Owens. 1,584,320; May 11.
Textile fabric. H. S. Day. Des. 70,099–100; May 11.
Textile fabric. G. M. Fauser. Des. 70,104–7; May 11.
Textile fabric. F. M. Kaufman. Des. 70,118–19; May 11.
Theater, Collapsible E. N. Brandt. 1,583,775; May 11.
Thermal relay. B. H. Smith. 1,584,673; May 11.
Thermostat. F. W. Robertshaw. 1,584,401; May 11.
Thread-cutting temple. W. C. Hudson. 1,584,375; May 11.
Thread protector. B. L. Mallory. 1,584,313; May 11.
Threading machine. R. L. Wilcox. 1,584,264; May 11.
Tie plate. W. S. Boyce. 1,583,773–4; May 11.
Tile for building walls, etc., Hollow. J. C. Kelley. 1,584,379; May 11.
Tile, Hollow. H. Garber. 1,583,921; May 11.
Timber and the like, Hollow needle for vaccinating. C. Schmitutz. 1,583,900; May 11.
Time-controlled motor. F. W. Bold. 1,583,954; May 11.
Timer. Lee F. Briscoe. 1,584,429; May 11.

Timing meter, Electrical service. J. Whalen. 1,584,414; May 11.
Tin plate, Method of and apparatus for making. A. J. Gerrard, P. Wright, and S. Peacock. 1,584,221; May 11.
Tire carrier. E. H. Belden. 1,584,690; May 11.
Tire casing. H. E. Grabau. 1,584,284; May 11.
Tire chain. T. Negowski and A. A. Nowicki. 1,584,636; May 11.
Tire chain. O. F. Roe. 1,584,654; May 11.
Tire covers, Lock clasp for. L. M. Crow. 1,584,217; May 11.
Tire patch. C. V. Hall. 1,583,878; May 11.
Tire patch. L. R. Moore. 1,583,988; May 11.
Tire tread. O. Basten. Des. 70,090; May 11.
Tire-vulcanizing mechanism. J. A. Rutherford. 1,583,799; May 11.
Toilet-article holder. H. Leviten and B. Eckstein. Des. 70,131; May 11.
Toilet articles and the like, Sanitary holder for. A. Vuolo. 1,584,261; May 11.
Tongs. R. F. Gowen. Des. 70,109; May 11.
Tool. E. F. Honius. 1,584,374; May 11.
Tool, Combination. J. W. Bate. 1,584,422; May 11.
Tool holder. L. F. Armstrong. 1,584,347; May 11.
Toothbrush receptacle, Sanitary. S. Bailin. 1,584,206; May 11.
Tooth-paste dispenser. W. G. Thwaites. 1,583,813; May 11.
Torch, Welding. C. Stroebel. 1,584,199; May 11.
Toupee. R. S. Conley. 1,583,778; May 11.
Tower. F. M. Bowman. 1,584,691; May 11.
Toy railway tracks, Guard-rail structure for. W. M. Fishbach. 1,583,968; May 11.
Track-skate-placing device. G. Hannauer and E. M. Wilcox. 1,584,031; May 11.
Tractor draft appliance. B. E. Smith. 1,584,044; May 11.
Train control. W. K. Howe. 1,584,224–7; May 11.
Train signal and control device, Automatic. C. H. Watt and F. G. Negus. 1,584,696; May 11.
Transfer process. H. Reinknecht. 1,583,997; May 11.
Transmission band. E. F. Schoell. 1,584,147; May 11.
Transmission gearing. H. W. Sweet. 1,584,252; May 11.
Transmission lines, Loading. E. I. Green. 1,583,827; May 11.
Transmission system, Electric-wave. J. C. Schelling. 1,584,327; May 11.
Trap: *See*—
Ant trap.
Trap. W. Stacy. 1,584,677; May 11.
Trap and destroyer, Insect and germ. R. E. Hunt. 1,583,975; May 11.
Tray, Table. R. R. and H. M. Scheibe. 1,583,999; May 11.
Tree support. E. Clifton. 1,584,011; May 11.
Trimmer: *See*—
Cargo trimmer.
Truck, Industrial. C. E. Cochran. 1,584,569; May 11.
Truck, Piano. W. C. Stephenson and H. G. Osterberg. 1,584,250; May 11.
Trucks, Stake platform for. W. W. Blakely. 1,584,426; May 11.
Trunks, Lid or cover section for wardrobe. G. H. Wheary. 1,584,058; May 11.
Truss pad. D. L. Chesterman. 1,584,510; May 11.
Tube adapter. R. W. Camfield. 1,584,167; May 11.
Tubes, decanters, and other glass pieces, Instrument for circularly grooving. F. Foz Bello. 1,584,572; May 11.
Turbine, Internal-combustion. L. L. Ardin. 1,584,346; May 11.
Two-way brake, Automatic. M. W. Powell. 1,584,140; May 11.
Typewriter. C. U. Carpenter. 1,584,008; May 11.
Typewriting machine. C. M. Crews. 1,583,781; May 11.
Umbrella rack. E. C. Kovarik. 1,584,101; May 11.
Uncoupling device. A. E. Small. 1,584,482; May 11.
Unstacker. D. R. Tanner. 1,583,904; May 11.
Vaccines, Preparing. F. M. Wood. 1,584,583; May 11.
Vacuum breaker and fluid deflector for vehicles. C. R. Chalkley. 1,584,275; May 11.
Valve. W. A. Black. 1,584,600; May 11.
Valve. D. P. Corcoran. 1,583,960; May 11.
Valve. W. E. Sloan. 1,584,404; May 11.
Valve, Automatic retaining. J. E. Long. 1,584,108; May 11.
Valve, Check. H. S. Humphrey. 1,583,834; May 11.
Valve, Flushing. B. B. Thomas. 1,584,407; May 11.
Valve, Oil-tank. T. E. Karpe. 1,584,548; May 11.
Valve, Plug. S. Davenport. 1,584,699; May 11.
Valve, Pneumatic. E. L. Beecher. 1,584,350; May 11.
Valve, Radiator. F. Yardley. 1,584,587; May 11.
Valve seat. J. R. Brown. 1,584,007; May 11.
Valve-spring lifter. C. E. Smith. 1,583,862; May 11.
Valve, Steam. J. Schaub and S. D. Harding. 1,583,800; May 11.
Valves for gas burners, Locking device for. E. C. Bunting. 1,584,606; May 11.
Valves, Incandescent electric lamps, and the like, Container or box for thermionic. W. Elliott. 1,584,084; May 11.
Vapor saver. R. E. Sleppy. 1,584,671; May 11.
Vaporizer or spray apparatus, Pocket. R. Vendome and H. Marcoux. 1,584,410; May 11.
Variable-stroke engine. A. L. Rightenour. 1,583,937; May 11.
Vehicle body, Self-dumping. F. H. Prosser. 1,584,645; May 11.
Vehicle brake. M. W. McConkey. 1,584,111; May 11.
Vehicle brake, Pneumatic power-. M. Arrowitz. 1,584,269; May 11.
Vehicle, Motor. A. Moorhouse. 1,584,188; May 11.
Vehicle top, Collapsible. C. J. Komaska. 1,584,037; May 11.
Vehicle wheel. F. H. Meyer. 1,583,986; May 11.
Vehicle wheel. V. E. Randall. 1,583,994; May 11.
Vehicle wheel. J. H. Wagenhorst. 1,584,576; May 11.
Vehicles, Brake for automotive. W. T. Hunt. 1,584,297; May 11.
Vehicles, Bumper for. F. D. Hansen and H. W. Tinker. 1,583,923; May 11.
Vehicles, Convertible body for. H. L. Johnson. 1,584,545; May 11.
Vehicles, Gasoline-filling device for motor. F. P. Tye. 1,584,574; May 11.
Vehicles, Glare shade for motor. E. L. Simmons. 1,583,860; May 11.
Vehicles, Headlight for motor. F. Appelquist. 1,584,070; May 11.
Vehicles, Indicating device for synchronizing the braking power applied to the wheels of. H. B. Bristol. 1,584,076; May 11.
Vehicles or other articles, Apparatus for storing motor. H. P. Burrell. 1,584,212; May 11.
Vehicles, Signal for motor. F. W. Schaller. 1,583,857; May 11.
Vehicles, Steering gear for mechanically-propelled. H. Maries. 1,584,629; May 11.
Vehicles, Tow rod for. L. B. Snyder. 1,583,806; May 11.
Vehicles, Weighing device for. H. M. Swartley. 1,584,489; May 11.
Vehicular brake. C. W. White. 1,583,907; May 11.
Velocipede. E. A. Radnall. 1,584,640; May 11.
Vending machine. R. J. Nichols. 1,584,395; May 11.
Vending-machine casing. A. Jordahl. Des. 70,117; May 11.
Vending machines, Signaling mechanism for. B. T. Street. 1,584,406; May 11.
Ventilating system. J. Lloyd. 1,584,619; May 11.
Vibrator-armature tester. E. A. Parker. 1,584,242; May 11.
View scope. G. W. Andrews. 1,584,500; May 11.
Visualizing device. G. R. Price and F. T. Richardson. 1,584,323; May 11.
Volt-ampere meter. J. Slepian. 1,584,670; May 11.
Volume-control apparatus. D. B. Perry. 1,583,854; May 11.
Wall bracket. P. Siptrott. Des. 70,144; May 11.
Wall construction. O. W. Serafini. 1,584,402; May 11.
Wall paper or similar article. J. Dornbusch. Des. 70,102; May 11.
Wardrobe apparatus. W. F. Hammond and M. L. Barber. 1,583,971; May 11.
Warning signal. D. F. Ebbert. 1,584,521; May 11.
Washboard. C. Bachelet. 1,584,594; May 11.
Washer distributor. C. I. Schrock. 1,584,477; May 11.
Washing-machine attachment. M. E. Stewart. 1,584,484; May 11.
Watch bracelet end hook. L. E. Valcourt. 1,583,816; May 11.
Water heater, Nonscalding. F. J. Postel. 1,583,898; May 11.
Watt-hour meter. E. G. Ratz. 1,584,649; May 11.
Wave detector. D. F. Comstock, L. T. Troland, and J. A. Ball. 1,584,613; May 11.
Wave motor. F. Hegenbarth. 1,584,293; May 11.
Wave motor. N. Roe. 1,584,146; May 11.
Weather strip. A. M. Lane. 1,584,309; May 11.
Weighing device with carrier. C. A. Krabbendam and P. H. Linn. 1,584,380; May 11.
Welding and apparatus therefor, Electric. E. von Henke. 1,583,906; May 11.
Welding highly-electrically-conductive materials, Electrically. A. H. Hart. 1,584,618; May 11.
Well plug. W. G. Long. 1,583,982; May 11.
Wheel: *See*—
Resilient wheel. Vehicle wheel.
Spring wheel.
Wheel puller. W. T. Smith and H. Keyton. 1,584,675; May 11.
Window. A. Rumpler. 1,584,475; May 11.
Window. W. S. Shields. 1,584,196; May 11.
Window construction. A. A. Sebastian. 1,584,664; May 11.
Window for bank inclosures. J. G. Ickis. 1,583,837; May 11.
Window for bank inclosures, Banditproof. J. G. Ickis. 1,583,836; May 11.
Window lock. C. M. Wilson and H. E. Harkness. 1,584,581; May 11.
Windshield for track cars. A. M. Clough. 1,584,432; May 11.
Woodworking machine. D. H. Herbert. 1,583,829; May 11.
Wrench: *See*—
Brace wrench. Socket wrench.
X-ray apparatus. W. Meyer. 1,584,115; May 11.
Yarn, Spotting. H. E. Van Ness. 1,584,335; May 11.

CLASSIFICATION OF PATENTS

ISSUED MAY 11, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

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221— 47.1: 1,583,993
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189: 1,583,914

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. B. C. Candy Co. (See American Beverage & Candy Co.)

Adam, J. N., & Co., Buffalo, N. Y. Butter, eggs, vanilla extract, Russian and mayonnaise dressing. 212,925; May 18; Serial No. 206,503; published Aug. 4, 1925.

Adelman, Joseph, doing business as Supreme Publishing Co., New York, N. Y. Periodical. 212,981; May 18; Serial No. 225,905; published Feb. 23, 1926.

Adjusta Company. (See Hirsh Brothers, assignor.)

Aeolian Company, The, New York, N. Y. Mechanical piano players. 54,154; renewed June 19, 1926.

Airex Manufacturing Company, Seattle, Wash. Radio loud speakers and phonograph adapter units. 212,879; May 18; Serial No. 221,636; published Mar. 2, 1926.

Alaska Consolidated Canneries, Inc., Seattle, Wash. Canned salmon. 213,100; May 18; Serial No. 217,318; published Mar. 9, 1925.

Alsamo Manufacturing Co., Philadelphia, Pa. Polishing preparation for metals. 213,046; May 18; Serial No. 226,273; published Mar. 9, 1926.

American Ariesheim Laboratories Inc., New York, N. Y. Liquid used in the treatment of influenza, grippe, and severe colds. 212,867; May 18; Serial No. 220,698; published Feb. 23, 1926.

American Beverage & Candy Co., doing business as A. B. C. Candy Co., Tacoma, Wash. Candy bars. 212,906; May 18; Serial No. 207,164; published Mar. 2, 1926.

American Bosch Magneto Corporation, Springfield, Mass. Radio apparatus. 212,893; May 18; Serial No. 219,569; published Mar. 2, 1926.

American Farming Publishing Company, Chicago, Ill. Quarterly magazines. 213,006; May 18; Serial No. 223,758; published Feb. 23, 1926.

American Federation of Labor, Washington, D. C. Printed books, pamphlets, and circulars. 213,098; May 18; Serial No. 225,537; published Mar. 9, 1926.

American Fringe Mills, Inc., New York, N. Y. Fringes (textile). 212,957; May 18; Serial No. 224,856; published Mar. 2, 1926.

American Lead Pencil Company, New York, N. Y. Lead pencils and pencil protectors. 212,967; May 18; Serial No. 225,249; published Feb. 16, 1926.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton and thread. 54,861; renewed July 31, 1926.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 54,863; renewed July 31, 1926.

American Wholesale Grocers' Association, The, Washington, D. C. Monthly printed publication. 213,020; May 18; Serial No. 219,103; published Mar. 9, 1926.

Angel International Corporation, New York, N. Y. Paper receptacles for dispensing cream, milk, ice cream, and the like. 213,081; May 18; Serial No. 225,582; published Mar. 9, 1926.

Aquino, John A., Inc., New York, N. Y. Fresh grapes. 213,090; May 18; Serial No. 216,576; published Mar. 9, 1926.

Armand Company, The, Des Moines, Iowa. Soap. 212,985; May 18; Serial No. 226,122; published Mar. 9, 1926.

Armstrong, Alexander F., doing business as The Pumelo Company, Ithaca, N. Y. Maltless nonalcoholic beverage composed of fruit juices and carbonated water. 213,119; May 18; Serial No. 224,643; published Mar. 9, 1926.

Artesia Cream Company, The, Waco, Tex. Face powder. 52,166; renewed May 1, 1926.

Artesia Cream Company, The, Waco, Tex. Soap. 53,479; renewed June 5, 1926.

"Arto" Manufacturing Company, Inc., The, Hatfield, Pa. Enamel finish, lacquer, and varnish. 213,079; May 18; Serial No. 225,250; published Mar. 2, 1926.

Baalmann, John, doing business as Baljon Co., San Francisco, Calif. Cold cream, cleansing cream, face powder, and rouge. 212,904; May 18; Serial No. 209,269; published Mar. 2, 1926.

Babbit, B. T., Inc. (See Mendleson's, A., Sons, assignors.)

Babson Bros., Chicago, Ill. Harness. 213,171; May 18.

Baby Grand Apartments Company, Indianapolis, Ind. Books of plans and specifications for buildings. 212,965; May 18; Serial No. 225,159; published Feb. 23, 1926.

Baeck Wall Paper Co., Brooklyn, N. Y. Wall paper. 213,138; May 18; Serial No. 226,466; published Mar. 9, 1926.

Baeder-Adamson Company, Boston, Mass. Cloth or paper backed abrasives. 212,871; May 18; Serial No. 218,591; published Feb. 23, 1926.

Bakelite Corporation, New York, N. Y. Clutch facings, brake linings, and bushings and washers. 212,890; May 18; Serial No. 216,814; published Feb. 2, 1926.

Bakelite Corporation, New York, N. Y. Strap hangers, propellers, windshields, and porthole lights. 213,032; May 18; Serial No. 222,426; published Mar. 2, 1926.

Bakelite Corporation, New York, N. Y. Fountain pens, pen barrels, paper weights, etc. 213,129; May 18; Serial No. 222,431; published Feb. 23, 1926.

Baker, Walter, & Company, Ltd., Dorchester, Boston, Mass. Cocoa, chocolate, broma, and cocoa preparations. 55,841; renewed Aug. 21, 1926.

Baljon Co. (See Baalmann, John.)

Ballantine, P., and Sons, Newark, N. J. Malt sirup used for food purposes. 213,159; May 18.

Bankers Printing Company, San Francisco, Calif. Memorandum books, diaries, calendar pads, and calendar sheets. 213,124; May 18; Serial No. 225,991; published Mar. 9, 1926.

Barnard, E. S., Co. (See Ventura Citrus Association.)

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Building, roofing, and sheathing paper. 50,846; renewed Apr. 3, 1926.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Tar and pitch. 51,166; renewed Apr. 3, 1926.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Roofing felt. 51,437; renewed Apr. 17, 1926.

Bassick Manufacturing Company, The, Chicago, Ill. Covers for the springs of automotive vehicles and for the parts of such covers. 213,152; May 18; Serial No. 223,806; published Feb. 23, 1926.

Bayles Distributing Co., to Edgar E. Bayles, doing business as Bayles Distributing Co., Kansas City, Mo., successor. Antiseptic adhesive poultice plaster. 52,591; renewed May 15, 1926.

Beaver Products Company, Inc., The, Buffalo, N. Y. Plaster. 213,041; May 18; Serial No. 205,732; published Feb. 23, 1926.

Beckhardt, Gene G., Brooklyn, N. Y. Charts and booklets. 213,025; May 18; Serial No. 217,537; published Mar. 9, 1926.

Beckley-Cardy Company, Chicago, Ill. Blackboards. 213,088; May 18; Serial No. 215,115; published Feb. 16, 1926.

Beecham, Joseph, assignor to Beecham Estates and Pills Limited, St. Helens, England. Pills. 54,158; renewed June 19, 1926.

Beecham, Joseph, assignor to Beecham Estates and Pills Limited, St. Helens, England. Pills. 54,241–2; renewed June 26, 1926.

Beer, Nathan, doing business as Nab Mfg. Co., New York, N. Y. Sweeping mixture, silver-polishing cream, and aluminum-polishing cream. 212,992; May 18; Serial No. 221,230; published Feb. 23, 1926.

Bell, Dr., Medicine Co. Inc. (See Sutherland, E. E., Medicine Co., assignor.)

Bell Syndicate, Inc., The, New York, N. Y. Series of cartons. 213,008; May 18; Serial No. 224,074; published Feb. 23, 1926.

Bergen, Carl K., Philadelphia, Pa. Lozenges. 212,990; May 18; Serial No. 220,990; published Feb. 23, 1926.

Bersted Manufacturing Company, Chicago, Ill. Electrically-heated flatirons, waffle molds, and toasters. 212,907; May 18; Serial No. 206,509; published Mar. 2, 1926.

Bessemer Limestone and Cement Company, Youngstown, Ohio. Cement. 213,150; May 18; Serial No. 224,172; published Feb. 16, 1926.

Better Business Bureau of New York City, Incorporated, The, New York, N. Y. Periodical published monthly. 212,958; May 18; Serial No. 224,945; published Feb. 23, 1926.

Bishop & Company, Los Angeles, Calif. Chocolate Candy. 212,868; May 18; Serial No. 220,593; published Mar. 2, 1926.

Bloomington Canning Co., The, Bloomington, Ill. Canned vegetables. 54,915; renewed Aug. 7, 1926.

Blum, D., & Co., New York, N. Y. Dry-cleaning fluids. 213,007; May 18; Serial No. 223,998; published Feb. 16, 1926.

Blum, Philip, & Company, Incorporated, Chicago, Ill. Whisky. 213,083; May 18; Serial No. 226,601; published Mar. 9, 1926.

Boston Excelsior Company, New York, N. Y., and Boston, Mass. Upholstery and bedding, stuffing and filling materials. 213,040; May 18; Serial No. 205,311; published Feb. 23, 1926.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Friction tape. 212,939; May 18; Serial No. 223,893; published Mar. 2, 1926.

Brades Limited The. (See Hunt, William, & Sons.)

Bradford Dyers' Association, Limited, The, Bradford, England. Cotton sateens. 55,968; renewed Aug. 21, 1926.

Bradford Dyers' Association, Limited, The, Bradford, England. Sateens and venetians, being cotton piece goods. 213,001; May 18; Serial No. 223,079; published Mar. 2, 1926.

Bradley, Smith Co., The, New Haven, Conn. Candy. 212,932; May 18; Serial No. 225,911; published Mar. 2, 1926.

Brillo Manufacturing Company, Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, etc. 213,047; May 18; Serial No. 204,083; published Mar. 9, 1926.

Brooks, J. B., and Company, Limited, Birmingham, England. Cycle saddles. 50,131; renewed Mar. 6, 1926.

Bruno, C., & Son, Inc., New York, N. Y. Ukuleles, banjos, mandolins, guitars, and banjo ukuleles. 212,898; May 18; Serial No. 216,587; published Mar. 2, 1926.

Buegeleisen & Jacobson, New York, N. Y. Violins, bows, strings, pegs, and parts of violins. 55,368; renewed Aug. 14, 1926.

Bunnell, Lynn L., doing business as Bunnell's Pharmacy, Norwood, Cincinnati, Ohio. Ointment for the treatment of piles. 212,899; May 18; Serial No. 214,942; published Aug. 25, 1925.

Burdick Cabinet Company, Milton, Wis. Therapeutic lamps. 213,078; May 18; Serial No. 225,170; published Feb. 16, 1926.

Burgon & Ball, Limited, Sheffield, England. Sheep and garden shears. 55,114; renewed Aug. 7, 1926.

Burnham & Morrill Co., Portland, Me. Canned lobsters. 52,289; renewed May 8, 1926.

Button, Herbert, Cazenovia, N. Y. Apples as a natural edible fruit. 213,115; May 18; Serial No. 225,587; published Mar. 9, 1926.

Buttonlath Manufacturing Co., Los Angeles, Calif. Plaster lath. 213,043; May 18; Serial No. 168,915; published Feb. 16, 1926.

Byers, Adah. Bird baths. 213,105; May 18; Serial No. 225,644; published Mar. 9, 1926.

Byron Weston Company, Dalton, Mass. Writing paper. 213,136; May 18; Serial No. 226,227; published Mar. 9, 1926.

Byron Weston Company, Dalton, Mass. Writing paper. 213,139; May 18; Serial No. 226,472; published Mar. 9, 1926.

Byron Weston Company, Dalton, Mass. Writing paper. 213,142; May 18; Serial No. 226,537; published Mar. 9, 1926.

California Fig Syrup Co., San Francisco, Calif., assignor to Sterling Products (Incorporated), Wheeling, W. Va. Liquid purgative compounds. 54,322; renewed June 26, 1926.

Carolina Supply Company, Greenville, S. C. Rubber belting; 56,063; renewed Aug. 21, 1926.

Cavander's, Limited, London, England. Cigarettes. 212,924; May 18; Serial No. 225,505; published Mar. 2, 1926.

Chemical Foundation, Incorporated, The. (See Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschrankter Haftung, assignor.)

Chicago White Lead & Oil Co., The, Chicago, Ill. Dry colors, ready-mixed paints, varnishes, etc. 213,071; May 18; Serial No. 204,996; published Jan. 27, 1925.

Chilton Class Journal Company, Philadelphia, Pa. Classified buyer's guide and reference book for automotive distributors, jobbers, dealers, etc. 213,014; May 18; Serial No. 224,805; published Feb. 23, 1926.

Chilton Class Journal Company, Philadelphia, Pa. Periodical published monthly. 213,015; May 18; Serial No. 224,804; published Feb. 23, 1926.

Chilton Class Journal Company, Philadelphia, Pa. Periodical published monthly. 213,016; May 18; Serial No. 224,806; published Feb. 23, 1926.

Chilton Class Journal Company, Philadelphia, Pa. Periodical published monthly. 213,104; May 18; Serial No. 224,807; published Mar. 9, 1926.

Christians, H. C., Co., Johnson Creek, Wis. Cottage cheese. 213,169; May 18.

Citrus Products Co., Chicago, Ill. Food-flavoring compounds. 212,910; May 18; Serial No. 189,388; published May 6, 1924.

Cleanser Oil Company, Inc., Hancock, Mich. Lubricating oil. 213,166; May 18.

Clegg & Rasmuson, Spencer, Iowa. Household cleaning preparation. 213,175; May 18.

Cleveland Varnish Company, The, Cleveland, Ohio. Lacquers. 213,077; May 18; Serial No. 225,114; published Feb. 23, 1926.

Cohn, Mark C., San Francisco, Calif. Monthly magazines. 213,011; May 18; Serial No. 224,375; published Feb. 23, 1926.

Connecticut Lime Co., The, Canaan, Conn. Lime for building purposes. 213,123; May 18; Serial No. 222,599; published Feb. 16, 1926.

Copeland, Harry A., Philadelphia, Pa. Sanitary mattress-protecting shield. 213,118; May 18; Serial No. 224,500; published Feb. 16, 1926.

Cowan, Charles V., Sacramento, Calif. Sandwiches. 212,873; May 18; Serial No. 218,002; published Mar. 2, 1926.

Crane, Clarence A., Cleveland, Ohio. Telephone-book covers. 213,140; May 18; Serial No. 226,478; published Mar. 9, 1926.

Cream Balm Company, The. (See Ely Brothers, assignor.)

Crescent Manufacturing Company, Seattle, Wash. Flavoring extracts for food purposes. 212,919; May 18; Serial No. 224,860; published Mar. 2, 1926.

Crittall Casement Window Company, Detroit, Mich. Casement windows, including frames and sashes. 213,080; May 18; Serial No. 224,861; published Feb. 23, 1926.

Crown Willamette Paper Company, assignor to Crown Willamette Paper Company, San Francisco, Calif. Raisin-tray paper. 213,054; May 18; Serial No. 217,134; published Mar. 9, 1926.

Crown Willamette Paper Company, assignor to Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 213,134; May 18; Serial No. 224,180; published Mar. 9, 1926.

Crucible Steel Company of America. (See Howe Brown & Co., Ltd., assignor.)

Crucible Steel Company of America. (See Park Steel Company, assignor.)

Crucible Steel Company of America, New York, N. Y. Steel. 53,624; renewed June 5, 1926.

Crucible Steel Company of America, New York, N. Y. Steel. 53,721; renewed June 12, 1926.

Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 54,003; renewed June 19, 1926.

Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel. 54,739; renewed June 26, 1926.

Crucible Steel Company of America, New York, N. Y. Steel. 55,033; renewed Aug. 21, 1926.

Crucible Steel Company of America, New York, N. Y. Steel. 55,064; renewed Aug. 21, 1926.

Cudahy Packing Company, The, Chicago, Ill., and South Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Lard and lard compound. 49,170; renewed Jan. 23, 1926.

Cutter & Crossette, assignor, by mesne assignments, to Cutter-Crossette Co., Chicago, Ill. Shirts. 55,586; renewed Aug. 14, 1926.

Dahl, Harald A. C., New York, N. Y., assignor to George W. Dahl, doing business as H. A. C. Dahl & Son, Brooklyn, N. Y. Dyspepsin cakes. 50,714; renewed Mar. 27, 1926.

Dalpo Products Company. (See Dalzelle, Sanford J.)

Dalzelle, Sanford J., doing business as Dalpo Products Company, Baltimore, Md. Tire enamel, floor oil, aluminum bronze, auto and furniture wax polish, etc. 213,075; May 18; Serial No. 219,064; published Mar. 2, 1926.

Danbury Hat Company, New York, N. Y. Hats. 51,124; renewed Apr. 3, 1926.

Davenport Canning Co., Davenport, Calif. Hearts of fresh artichokes. 213,101; May 18; Serial No. 219,111; published Mar. 9, 1926.

David, B. Edmund, Inc., New York, N. Y. All-silk woven cloth in the piece. 213,048; May 18; Serial No. 208,700; published Mar. 2, 1926.

Dean, M. R., Courtland, Calif. Fresh deciduous fruits. 212,900; May 18; Serial No. 214,534; published Mar. 2, 1926.

Deceleco, Inc., Detroit, Mich. Barriers for electric conductors and apparatus, etc. 213,107; May 18; Serial No. 224,695; published Feb. 16, 1926.

Delaney, J. M., & Co., New York, N. Y., assignor to J. M. Delaney Co. Inc., Meriden, Conn. Sole leather. 51,829; renewed Apr. 24, 1926.

Del Monte Properties Company, San Francisco, Calif. Roof tiling, floor tiling, etc. 213,036; May 18; Serial No. 220,114; published Feb. 16, 1926.

De Long Hook & Eye Company, The, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hooks and eyes. 51,282–3; renewed Apr. 10, 1926.

Denney & Co., Chicago, Ill. Fresh deciduous and citrous fruits and fresh vegetables. 213,072; May 18; Serial No. 214,402; published Mar. 9, 1926.

Dieux, Jean, Paris, France. Printing, writing, and ledger paper, lead pencils, crayons, blank books, etc. 213,103; May 18; Serial No. 224,748; published Mar. 9, 1926.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Macaroni, tomato paste, canned tomatoes, etc. 212,882; May 18; Serial No. 216,155; published Mar. 2, 1926.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 212,959; May 18; Serial No. 224,975; published Feb. 16, 1926.

Don, Lily, Detroit, Mich. Toilet soap containing iodine. 213,131; May 18; Serial No. 222,733; published Mar. 9, 1926.

Dri-Steam Valve Corporation, New York, N. Y. Steam valves and parts thereof. 212,972; May 18; Serial No. 225,598; published Mar. 2, 1926.

Duhigg, J. T., doing business as Gold Medal Pharmacal Co., Cleveland, Ohio. Cough medicine. 213,167; May 18.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polishes acting as dirt and grease removers and cleaning materials. 213,050; May 18; Serial No. 214,468; published Mar. 9, 1926.

Durkee, E. R., & Co., Elmhurst, N. Y. Spices and mustard. 52,296; renewed May 8, 1926.

Durkee, E. R., & Co., Elmhurst, N. Y. Spices. 53,095; renewed May 29, 1926.

Durkee, E. R., & Co., New York, N. Y., to E. R. Durkee & Co., Elmhurst, N. Y. Salad dressing and sauces. 55,239; renewed Aug. 7, 1926.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead pencils. 55,058–62; renewed Aug. 7, 1926.

Edwards, Bob, Publishing Co., Minneapolis, Minn. Monthly publication. 212,983; May 18; Serial No. 225,949; published Feb. 23, 1926.

Elnson-Freeman Co., Incorporated, New York, N. Y. Lithographed and printed display cards. 212,950; May 18; Serial No. 215,334; published Feb. 23, 1926.

Electric Railway Equipment Company, The, Cincinnati, Ohio. Electric trolley-line materials—namely, tubular poles, ornamental lighting poles, etc. 212,908; May 18; Serial No. 198,512; published Mar. 2, 1926.

Ely Brothers, New York, N. Y., assignor to The Cream Balm Company, Jersey City, N. J. Medicinal compounds for the cure of catarrhal diseases and colds. 55,741; renewed Aug. 21, 1926.

English-Whitman Products, New York, N. Y. Loop antennæ. 212,945; May 18; Serial No. 222,978; published Mar. 2, 1926.

Eno, J. C., Limited, London, England. Medicinal saline preparation for human use. 212,878; May 18; Serial No. 222,065; published Mar. 2, 1926.

Enterprise Oil Company, Inc., Buffalo, N. Y. House organ. 212,971; May 18; Serial No. 225,403; published Feb. 23, 1926.

Evansville Tea & Coffee Co. (See Reysz, Fred J.)

Evercleau Antifoulings Limited, Liverpool, England. Paints and antifouling compositions. 213,070; May 18; Serial No. 193,511; published Sept. 15, 1925.

Federal Radio Company Limited, Toronto, Ontario, Canada. Radio antennæ. 212,937; May 18; Serial No. 224,239; published Mar. 2, 1926.

Fels & Co., assignor to Fels & Co., Philadelphia, Pa. Soap. 54,776; renewed July 31, 1926.

Fels & Company, assignor to Fels & Company, Philadelphia, Pa. Soap. 55,478; renewed Aug. 14, 1926.

Ferguson, Almira E., doing business as J. E. Ferguson, Hood River, Oreg. Fresh apples. 212,902; May 18; Serial No. 212,547; published Mar. 2, 1926.

Ferguson, Thomas R., doing business as Thos. R. Ferguson and Co., (Not Inc.), Chicago, Ill. Contract forms. 212,999; May 18; Serial No. 222,316; published Feb. 16, 1926.

Ferris, F. A., & Company, assignor to F. A. Ferris & Co., New York, N. Y. Smoked and pickled meats. 54,894; renewed July 31, 1926.

Fibre Case & Novelty Co. (See Meyerson, Max.)

Filardi Bros., White Plains, N. Y. Weather strips. 213,108; May 18; Serial No. 224,700; published Feb. 16, 1926.

Fisk, James R., El Paso, Tex. Front wall attachment for wood-burning fireplaces and grates for wood and coal-burning stoves and furnaces. 213,135; May 18; Serial No. 222,737; published Feb. 23, 1926.

Fitzpatrick Bros., Chicago, Ill. Soap and soap powder. 212,877; May 18; Serial No. 211,586; published July 7, 1925.

Flint, Clarence H., assignor to General Chewing Gum Corporation, Brooklyn, N. Y. Candy and chewing gum. 213,111; May 18; Serial No. 224,908; published Mar. 9, 1926.

"Force" Food Company, The, assignor, by mesne assignments, to Hecker-H-O Company, Inc., Buffalo, N. Y. Cooked and flaked wheat. 55,816; renewed Aug. 21, 1926.

Fort Howard Paper Company, Green Bay, Wis. Paper fabric adapted for skin-cleansing and cosmetic-removing purposes. 213,028; May 18; Serial No. 218,695; published Feb. 23, 1926.

Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 213,174; May 18.

Fratelli Garosci di Gio, Turin, Italy. Antipasto. 213,130; May 18; Serial No. 222,671; published Mar. 2, 1926.

Fuller, James C., assignor to The Vimedia Co., Kansas City, Mo. Certain named medicines. 56,538; renewed Oct. 2, 1926.

Gendron Wheel Co., The, Toledo, Ohio. Juvenile iron, wood, and all-steel coaster and express wagons, cars, etc. 212,949; May 18; Serial No. 216,169; published Mar. 2, 1926.

General Chewing Gum Corporation. (See Flint, Clarence H., assignor.)

Globe Bottling Co. (See Kanner, Abraham.)

Godel, E., & Sons, Peoria, Ill. Hams. 55,978; renewed Aug. 21, 1926.

Gold Medal Pharmacal Co. (See Duhigg, J. T.)

Goldberg, Isidor, doing business as National Garter Co., New York, N. Y. Fancy shirred elastic and braid elastic. 213,127; May 18; Serial No. 221,815; published Mar. 2, 1926.

Goss, E., & Company, San Francisco, Calif. Cigars. 212,905; May 18; Serial No. 208,291; published Mar. 2, 1926.

Grimm, Robert, Company, The, Jersey City, N. J. Wall paper. 213,094; May 18; Serial No. 225,319; published Mar. 9, 1926.

Grueby Faience and Tile Company, Boston, Mass., and Philadelphia, Pa. Floor tiles, wall tiles, decorative construction tiles, etc. 213,151; May 18; Serial No. 224,185; published Feb. 16, 1926.

Guerrin, Bourquin & Cie. Fabrique d'Ebauches Aurore à Villeret, Villeret, Switzerland. Watch movements and parts of watches. 212,881; May 18; Serial No. 221,315; published Mar. 2, 1926.

Gulden, Charles, Inc., New York, N. Y. Prepared mustard and chowchow sauce. 213,003; May 18; Serial No. 223,438; published Mar. 2, 1926.

Gulf Refining Company, Pittsburgh, Pa. Petroleum lubricating oils. 52,593; renewed May 15, 1926.

Gutradt, Joseph, Company, San Francisco, Calif. Soaps. 212,928; May 18; Serial No. 225,227; published Mar. 2, 1926.

Gutradt, Joseph, Company, San Francisco, Calif. Soaps. 212,929; May 18; Serial No. 225,264; published Mar. 2, 1926.

H-O (Hornbys Oatmeal) Company, The, New York, assignor, by mesne assignments, to Hecker-H-O Company, Inc., Buffalo, N. Y. Self-raising flour. 55,818; renewed Aug. 21, 1926.

Haas, Geo., & Sons, San Francisco, Calif. Eating chocolates molded in fancy shapes. 213,084; May 18; Serial No. 183,337; published Mar. 9, 1926.

Haas, J. G., Soap Co., St. Louis, Mo., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Laundry soap. 55,457; renewed Aug. 14, 1926.

Haddon, Walter, London, England. Electric accumulators and accumulator boxes. 212,897; May 18; Serial No. 216,597; published Mar. 2, 1926.

Harbaugh, Sally, Troy, N. Y. Newspaper section. 212,973; May 18; Serial No. 225,607; published Feb. 23, 1926.

Harris, Frank E., Co., Inc., Binghamton, N. Y. Food-flavoring extracts. 212,889; May 18; Serial No. 224,387; published Mar. 2, 1926.

Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 212,890; May 18; Serial No. 224,383; published Mar. 2, 1926.

Harris, Frank E., Co., Inc., Binghamton, N. Y. Food-flavoring extracts. 212,911–12; May 18; Serial Nos. 224,381–2; published Mar. 2, 1926.

Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 212,915; May 18; Serial No. 224,388; published Mar. 2, 1926.

Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 212,916; May 18; Serial No. 224,391; published Mar. 18, 1926.

Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 212,918; May 18; Serial No. 224,500; published Mar. 2, 1926.

Harrisburg Pipe & Pipe Bending Co., Harrisburg, Pa. Seamless hollow cylinders, metal casings, metal tubing, etc. 213,009; May 18; Serial No. 224,246; published Mar. 2, 1926.

Hayes, James A., New York, N. Y. Taxicabs. 213,035; May 18; Serial No. 220,127; published Nov. 3, 1925.

Heath, Robert, and Low Moor, Limited. (See Low Moor Company, assignor.)

Hecker-H-O Company. (See "Force" Food Company, The, assignor.)

Hecker-H-O Company, Inc. (See H-O (Hornbys Oatmeal) Company, assignor.)

Hennessey, Jas., & Co., Cognac, France. Brandy. 54,446; renewed June 26, 1926.

Hide Leather & Belting Company, Indianapolis, Ind. Rear-view mirrors for vehicles. 213,113; May 18; Serial No. 224,970; published Feb. 23, 1926.

Hilmer, Fred L., Company, San Francisco, Calif. Butter, eggs, and cheese. 212,995; May 18; Serial No. 221,664; published Mar. 2, 1926.

Hirsh Brothers, New Haven, Conn., assignor to Adjusta Company, New York, N. Y. Garment-supporter clasps. 50,327; renewed Mar. 13, 1926.

Hoffman-Hayman Coffee Company, San Antonio, Tex. Coffee. 212,968; May 18; Serial No. 225,262; published Mar. 2, 1926.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 212,901; May 18; Serial No. 214,249; published Mar. 2, 1926.

Homestead Company, The, Des Moines, Iowa. Weekly publication. 212,966; May 18; Serial No. 225,191; published Feb. 23, 1926.

Howe Brown & Co., Ltd., Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 50,876; renewed Apr. 3, 1926.

Hubbard, C. D., Fruit Co., Carpinteria, Calif. Oranges, lemons, and grapefruit. 212,998; May 18; Serial No. 222,251; published Mar. 2, 1926.

Hubbard, C. D., Fruit Co., Carpinteria, Calif. Oranges, lemons, and grapefruit. 213,060; May 18; Serial No. 222,254; published Mar. 9, 1926.

Hubbard, Walter W., New York, N. Y. Name and title of a monthly magazine. 213,133; May 18; Serial No. 223,242; published Mar. 9, 1926.

Hunt, William, & Sons, The Brades, Limited, Brades Steel Works, Brades Road, Oldbury, near Birmingham, England. Trowels of all kinds. 55,109–11; renewed Aug. 7, 1926.

Huntington Laboratories, Inc., Huntington, Ind. Soap. 213,093; May 18; Serial No. 225,194; published Mar. 9, 1926.

Hyfo Co. (Not Inc.), The, Springfield, Ill. Roofing and shingles, etc. 213,145; May 18; Serial No. 224,333; published Feb. 23, 1926.

Ideal Cup Corporation, Brooklyn, N. Y. Paper products. 212,925; May 18; Serial No. 224,605; published Mar. 2, 1926.

Interstate Manufacturing Company. (See Thomsen, Mrs. Jewell.)

Irwin & Co., Inc., New York, N. Y. Baby rattles. 213,002; May 18; Serial No. 223,093; published Mar. 2, 1926.

It Shoe Polish Co., Inc., Baltimore, Md. Shoe polishes. 213,045; May 18; Serial No. 226,248; published Mar. 9, 1926.

Italian-Swiss Colony, San Francisco, Calif. Grape juice. 213,106; May 18; Serial No. 224,662; published Mar. 16, 1926.

Jaburg Bros. Inc., New York, N. Y. Canned vegetables, fruit, fish, etc. 212,884; May 18; Serial No. 214,323; published Mar. 2, 1926.

Janeway & Carpender, Inc., Highland Park, N. J. Wall paper. 213,092; May 18; Serial No. 225,016; published Mar. 9, 1926.

Judell, Maxson F., New York, N. Y. Columns in newspapers. 213,004; May 18; Serial No. 223,477; published Feb. 23, 1926.

Kalish, Harry L., New York, N. Y. Sample-display card. 213,137; May 18; Serial No. 226,428; published Mar. 9, 1926.

Kampfe Bros., New York, N. Y., assignor to Star Safety-Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 55,186; renewed Aug. 28, 1926.

Kanner, Abraham, doing business as Globe Bottling Co., Los Angeles, Calif. Nonalcoholic, maltless beverages, sold as soft drink, extracts and sirups for making same. 212,866; May 18; Serial No. 220,783; published Mar. 2, 1926.

Kansas Flour Mills Company, The, Wichita, Kans., and Alva, Okla. Wheat flour. 213,005; May 18; Serial No. 223,478; published Feb. 23, 1926.

Kaplan & Goldsoll, New York, N. Y., assignor to Rice & Hutchins, Inc., Boston, Mass. Boots, shoes, slippers, and ties. 55,041; renewed Aug. 7, 1926.

Karlsruher Parfumerie- & Toilettseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Soap. 212,986; May 18; Serial No. 226,217; published Mar. 9, 1926.

Kasparian, G. M., Exeter, Calif. Fresh grapes. 213,073; May 18; Serial No. 215,695; published Mar. 9, 1926.

Kauffman, Earl R., San Francisco, Calif. Monthly magazines. 213,128; May 18; Serial No. 221,902; published Mar. 9, 1926.

Kellogg Company, Battle Creek, Mich. Prepared food, consisting of a combination of oats and bran. 212,886; May 18; Serial No. 206,570; published Mar. 2, 1926.

Kennon, J., & Sons Proprietary Limited, Richmond, near Melbourne, Victoria, Australia. Leather, unwrought skins, furs, etc. 213,074; May 18; Serial No. 216,733; published Feb. 16, 1926.

Kibbe Brothers Company, Springfield, Mass. Cream candies. 213,033; May 18; Serial No. 221,621; published Mar. 9, 1926.

Kier Letter Company, Chicago, Ill. Printed advertising matter. 212,996; May 18; Serial No. 222,126; published Feb. 23, 1926.

Kimberly-Clark Company, Neenah, Wis. Book papers. 213,125; May 18; Serial No. 225,929; published Mar. 9, 1926.

Kirk, James S., & Company, Chicago, Ill. Soap. 212,913; May 18; Serial No. 223,044; published Feb. 23, 1926.

Klinger, Richard, assignor to Rich. Klinger Gesellschaft m. b. H., Gumpoldskirchen, Austria. Packing for stuffing boxes and the like. 50,978; renewed Apr. 3, 1926.

Klink Citrus Association, Ivanhoe, Calif. Oranges, lemons, and grapefruit. 213,099; May 18; Serial No. 216,913; published Mar. 9, 1926.

Koffman & Blumenau, Bay City, Mich. Malt sirup for food purposes. 213,089; May 18; Serial No. 216,546; published Oct. 13, 1925.

Kreisa, Albert, Gesellschaft m. b. H., Vienna, Austria. Gas-generating plants and parts thereof. 213,030; May 18; Serial No. 209,354; published Feb. 23, 1926.

Kriss Kringle Klub Company. (See Mayfield, James C.)

Kuppenheimer, B., & Co., Inc., Chicago, Ill. Coats, vests, trousers, and overcoats. 213,051; May 18; Serial No. 214,486; published Nov. 10, 1925.

Kurz Kasch Company, The, Dayton, Ohio. Radio control mechanism, indicators, dials, knobs, etc. 212,943; May 18; Serial No. 223,585; published Mar. 2, 1926.

Laird & Lee, Inc. (See Lee, Wm. H.)

La Mont Corporation, New York, N. Y. Apparatus for the exchange of heat. 213,076; May 18; Serial No. 224,770; published Feb. 23, 1926.

Lang, Caroline E., New York, N. Y. Title for special articles appearing in various publications—namely, such as newspapers. 212,926; May 18; Serial No. 206,316; published Feb. 23, 1926.

Lang, Caroline E., New York, N. Y. Nom de plume for special articles appearing in various publications, such as newspapers. 212,952; May 18; Serial No. 206,317; published Feb. 23, 1926.

Lanier, Ivan E., doing business as Lauderdale Chemical Co., Fort Lauderdale, Fla. Insecticides. 212,931; May 18; Serial No. 225,667; published Feb. 23, 1926.

Large Distilling Company. (See Renzichausen, Frederick C.)

Lauderdale Chemical Co. (See Lanier, Ivan E.)

Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavorings and colorings for nonalcoholic maltless drinks. 213,029; May 18; Serial No. 208,351; published Mar. 9, 1926.

Lee, William H., to Laird & Lee, Inc., Chicago, Ill., successor. Books. 49,528; renewed Feb. 6, 1926.

Lee, William H., to Laird & Lee, Inc., Chicago, Ill., successor. Diaries. 52,038; renewed May 1, 1926.

Lehigh Portland Cement Company, Allentown, Pa. Portland cement. 213,157; May 18; Serial No. 223,586; published Feb. 16, 1926.

Les Parfumes des Courtisanes. (See Martinat, Jean.)

Lewis, Clifford, Washington, D. C. Lesson sheets, pamphlets, and booklets. 213,019; May 18; Serial No. 219,076; published Mar. 9, 1926.

Lewis Manufacturing Co., Bay City, Mich. Ready-cut houses. 213,031; May 18; Serial No. 222,330; published Mar. 2, 1926.

Lewis, Samuel, New York, N. Y. Treated metal-polishing cloth. 212,917; May 18; Serial No. 224,411; published Feb. 23, 1926.

Liberty Candy Co., La Crosse, Wis. Candy. 213,010; May 18; Serial No. 224,252; published Mar. 2, 1926.

Linde, J. E., Paper Co., New York, N. Y. Toilet paper. 212,922; May 18; Serial No. 225,230; published Feb. 16, 1926.

Link, Robert L., Asheville, N. C. Confectionery sandwiches. 213,064; May 18; Serial No. 222,986; published Feb. 23, 1926.

Lisk Manuf'g. Co. Limited, Canandaigua, N. Y. Pails, milk cans, bread boxes, etc. 212,969; May 18; Serial No. 225,269; published Mar. 2, 1926.

Livadary, Paul J., Los Angeles, Calif. Cigarettes. 213,058; May 18; Serial No. 212,090; published Mar. 9, 1926.

Logan-Pocahontas Fuel Company, Charleston, W. Va., and Cincinnati, Ohio. Coal. 213,147–8; May 18; Serial Nos. 224,464–5; published Feb. 16, 1926.

Low Moor Company, Limited, Low Moor, near Bradford, England, assignor to Robert Heath and Low Moor, Limited, Biddulph Valley Coal and Iron Works, near Stoke-on-Trent, England. Rivets. 51,189; renewed Apr. 10, 1926.

Low Moor Company, Limited, Low Moor, near Bradford, England, assignor to Robert Heath and Low Moor, Limited, Biddulph Valley Coal and Iron Works, near Stoke-on-Trent, England. Iron bars, rods, sheets, plates, hooping, and tires. 51,242; renewed Apr. 10, 1926.

MacLean Drug Company, Chicago, Ill. Dry cleaner. 213,000; May 18; Serial No. 222,621; published Feb. 23, 1926.

Macy, R. H., & Co., Inc., New York, N. Y. Watches. 212,941–2; May 18; Serial Nos. 223,646–7; published Mar. 2, 1926.

Macy, R. H., & Co., Inc., New York, N. Y. Rugs. 212,951; May 18; Serial No. 213,181; published June 30, 1925.

Maddox, William J., Jamestown, N. Y. Tables. 54,852; renewed July 31, 1926.

Manhattan Wholesale Grocery Company, Inc., Providence, R. I. Canned vegetables, fruits, olives, etc. 212,914; May 18; Serial No. 219,293; published Mar. 2, 1926.

Maritime Fish Corporation, Limited, Montreal, Quebec, Canada. Fresh, frozen, smoked, canned, salted, pickled, and dried fish. 213,126; May 18; Serial No. 220,550; published Mar. 2, 1926.

Marshall Field & Company, Chicago, Ill. Bath soap. 212,875; May 18; Serial No. 216,528; published Feb. 23, 1926.

Martin, L., Company, The, New York, N. Y. Lamp and gas black. 55,089; renewed Aug. 7, 1926.

Martinat, Jean, doing business as Les Parfumes des Courtisanes, New York, N. Y. Compounds for cleaning the hands and the like, shaving soap, laundry soap, etc. 212,991; May 18; Serial No. 221,128; published Feb. 23, 1926.

Martinat, Jean, doing business as Les Parfumes des Courtisanes, New York, N. Y. Compounds for cleaning the hands and the like, shaving soap, laundry soap, etc. 212,987; May 18; Serial No. 221,130; published Feb. 23, 1926.

Martinat, Jean, doing business as Les Parfumes des Courtisanes, New York, N. Y. Compounds for cleaning the hands and the like, shaving soap, laundry soap, etc. 212,992; May 18; Serial No. 221,128; published Feb. 23, 1926.

Master Plasters Association of San Francisco, San Francisco, Calif. Periodical. 212,993; May 18; Serial No. 221,265; published Feb. 23, 1926.

Mayfield, James C., doing business as Kriss Kringle Klub Company, Akron, Ohio. Grape, peach, lemon, etc., flavored beverages, etc. 213,044; May 18; Serial No. 192,919; published Mar. 9, 1926.

McCormick, J. S., Company, Pittsburgh, Pa. Foundry facings or blacking. 51,845; renewed Apr. 24, 1926.

McCormick, J. S., Company, Pittsburgh, Pa. Foundry facings or blacking. 51,892; renewed Apr. 24, 1926.

McDonnell, Joseph, Jackson, Miss. Gasoline and lubricating oils. 213,158; May 18.

Mendleson's, A., Sons, assignor to B. T. Babbit, Inc., Albany, N. Y. Chloride of lime. 54,675; renewed June 26, 1926.

Metz, H. A., & Co., assignor to H. A. Metz & Co. Inc., New York, N. Y. Materials suitable for the sizing and finishing of textile fibers. 53,750–1; renewed June 12, 1926.

Metz, H. A., & Co., assignor to H. A. Metz & Co. Inc., New York, N. Y. Dyestuffs and coloring matters. 53,851–61; renewed June 12, 1926.

Metz, H. A., & Co., assignor to H. A. Metz & Co. Inc., New York, N. Y. Dyestuffs and coloring matters. 53,916–18; renewed June 12, 1926.

Meyerson, Max, doing business as Fibre Case & Novelty Co., New York, N. Y. Soundproof mouthpiece for telephones. 212,938; May 18; Serial No. 224,145; published Mar. 2, 1926.

Mid-Continent Products Company, Chicago, Ill. Adhesives in powdered form to which a liquid is to be added for use and for the said adhesive in its liquid form. 212,900; May 18; Serial No. 189,466; published Feb. 23, 1926.

Millar, E. B. & Company, Chicago, Ill. Coffee and tea. 212,975; May 18; Serial No. 225,795; published Mar. 2, 1926.

Mills & Gibb Corp., New York, N. Y. Cotton and cotton and artificial-silk piece goods. 212,888; May 18; Serial No. 219,131; published Mar. 2, 1926.

Modern Office Devices, Inc., New York, N. Y. Binders or files and hand punching devices. 213,022; May 18; Serial No. 219,754; published Mar. 9, 1926.

Molassine Company, Ld., The, London, England, to Molassine Company, Limited, East Greenwich and London, England, successor. Stock food. 52,982; renewed May 22, 1926.

Molassine Company, Ld., The, London, England, to Molassine Company, Limited, East Greenwich, and London, England. Food for stock. 55,827; renewed Aug. 21, 1926.

Molded Socket Corporation, Newark, N. J. Molded electric-light sockets. 212,944; May 18; Serial No. 223,250; published Mar. 2, 1926.

Mount & Robertson, assignor by mesne assignments, to Mount & Robertson, Inc., New York, N. Y. Office partitions. 55,359; renewed Aug. 14, 1926.

Mueller, C. F., Co., Jersey City, N. J. Egg noodles and macaroni. 50,606; renewed Mar. 27, 1926.

Mullins, J. C., & Co., Los Angeles, Calif. Chili sauce. 213,122; May 18; Serial No. 204,042; published Feb. 17, 1925.

Neb Mfg. Co. (See Beer, Nathan.)

Namendorf, Charles H., assignor to Namendorfs Inc., St. Louis. Umbrellas and parasols. 45,492; renewed Aug. 22, 1925.

Natchez Baking Company. (See Simon, Leo.)

National Cloak & Suit Co., New York, N. Y. Wall paper. 213,091; May 18; Serial No. 224,924; published Mar. 9, 1926.

National Garter Co. (See Goldberg, Isidor.)

National Malleable Castings Company, The, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Vertical-plane car couplings. 50,951; renewed Apr. 3, 1926.

National Malleable Castings Company, The, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Vertical-plane car couplings. 52,916; renewed May 22, 1926.

National Mint Company, Chicago, Ill. Candy. 213,013; May 18; Serial No. 224,777; published Feb. 16, 1926.

New Process Company, Warren, Pa. Men's hosiery. 213,178; May 18.

New York Evening Journal, Inc., New York, N. Y. Newspaper section. 213,012; May 18; Serial No. 224,718; published Feb. 23, 1926.

Nixon, Cecil D., London, England. Metal fastenings. 212,885; May 18; Serial No. 208,005; published Mar. 2, 1926.

Nobel Industries, Limited, London, England. Leather cloth. 213,109; May 18; Serial No. 223,861; published Feb. 16, 1926.

Norian Trading Co. Inc., Cambridge, Mass. Pistachio nuts. 213,086; May 18; Serial No. 211,864; published Mar. 9, 1926.

Norris, Carl L., Seattle, Wash. Dry cleansers. 212,874; May 18; Serial No. 217,951; published Feb. 23, 1926.

North American Anolin Corporation, Little Falls, N. Y. Shoe polish and leather cleaner. 213,097; May 18; Serial No. 225,519; published Mar. 9, 1926.

Northern Corrugating Company, Green Bay, Wis. Prepared roofing. 213,154; May 18; Serial No. 223,798; published Feb. 23, 1926.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., to Northwestern Consolidated Milling Company, New York, N. Y. Wheat flour. 55,463; renewed Sept. 25, 1926.

Nunes, Leonardo, Los Angeles, Calif. Ukuleles. 212,946; May 18; Serial No. 222,866; published Mar. 2, 1926.

Nutting Truck Co., Faribault, Minn. Trailers. 213,112; May 18; Serial No. 224,470; published Feb. 16, 1926.

Oehm & Co., to Wm. P. Sheffer, Baltimore, Md., successor. Coats, overcoats, pants, and vests. 52,159; renewed May 1, 1926.

Oke, William G., Fulwell, England. Golf clubs. 213,057; May 18; Serial No. 212,196; published Mar. 16, 1926.

Olympia Brewing Company, Olympia, Wash. Lager beer. 51,997; renewed May 1, 1926.

Orphos Co., Inc., New York, N. Y. Tooth paste. 212,989; May 18; Serial No. 220,914; published Feb. 23, 1926.

Pangburn Company, Fort Worth, Tex. Ice creams and sherbets. 212,887; May 18; Serial No. 218,271; published Mar 2, 1926.

Paper Service Co., Inc., Hinsdale, N. H. Toilet paper. 213,132; May 18; Serial No. 222,758; published Mar. 9, 1926.

Pardee, C., Works, The, Perth Amboy, N. J., and Philadelphia, Pa. Floor tiles, wall tiles, decorative contion tiles, etc. 213,141; May 18; Serial No. 224,202; published Feb. 16, 1926.

Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 54,019; renewed June 19, 1926.

Park Steel Company, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 54,361; renewed June 26, 1926.

Parsons, John H., doing business as The John H. Parsons Company, Pontiac, Mich. Ventilators for vehicles. 213,146; May 18; Serial No. 224,350; published Mar. 2, 1926.

Pencock Chemical Company, St. Louis, Mo. Medicinal preparation used as a nerve sedative. 51,534; renewed Apr. 17, 1926.

Pedox Produx, Inc., New York, N. Y. Silk, glazed, and mercerized shoe laces, shoe ribbons, and shoe buckles. 213,024; May 18; Serial No. 217,289; published Mar. 2, 1926.

Pennsylvania Salt Mfg. Co., Philadelphia, Pa. Lye. 55,049; renewed Aug. 21, 1926.

Pennsylvania Salt Mfg. Co., Philadelphia, Pa. Lye. 55,078; renewed Aug. 21, 1926.

Perfect Fit Manufacturing Co., Portland, Oreg. Automobile tops and side curtains. 213,121; May 18; Serial No. 223,323; published Feb. 23, 1926.

Perky, Scott H., Batavia, N. Y. Breakfast food. 212,954; May 18; Serial No. 212,397; published Mar. 2, 1926.

Permanent Waterproofing Co., Kansas City, Mo. Preparation for waterproofing cement or other porous material. 213,143; May 18; Serial No. 224,263; published Feb. 16, 1926.

Perry & Company, Limited, Birmingham, England. Steel, fountain, and stylographic pens and penholders. 50,986; renewed Apr. 3, 1926.

Peter, William, Br'g. Co., The, Union, N. J., to The William Peter Brewing Corporation, Union City, N. J., successor. Lager beer. 51,693; renewed Apr. 24, 1926.

Phillips, Chas. H., Chemical Co., New York, N. Y. Acid phosphate and a sirup of phosphates. 51,493; renewed Apr. 17, 1926.

Phillips, Chas. H., Chemical Company, The, New York, N. Y. Liquid magnesia preparation. 52,772; renewed May 15, 1926.

Phillips, Chas. H., Chemical Co., The, New York, N. Y. Preparations of cocoa and chocolate. 54,423; renewed June 26, 1926.

Phillips, Chas. H., Chemical Co., The, New York, N. Y. A liquid magnesia preparation. 55,598; renewed Aug. 21, 1926.

Phillips, Chas. H., Chemical Co., The, New York, N. Y. Quinine preparation. 55,599; renewed Aug. 21, 1926.

Phillips, Chas. H., Chemical Co., The, New York, N. Y. A cod-liver-oil emulsion. 55,600; renewed Aug. 21, 1926.

Picot Company, The. (See Valldejull, M. S.)

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Automotive vehicles. 213,068–9; May 18; Serial Nos. 223,407–8; published Feb. 16, 1926.

Pines, Ned, New York, N. Y. Bimonthly publication. 212,869; May 18; Serial No. 220,463; published Feb. 23, 1926.

Pitman, Sir Isaac, & Sons, Limited, Bath, England. Writing paper. 53,156; renewed May 29, 1926.

Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga. Pencil and ink writing pads, memorandum and account books, diaries. 213,052; May 18; Serial No. 215,478; published Feb. 23, 1926.

Plough Chemical Company, Memphis, Tenn. Toothbrushes. 212,927; May 18; Serial No. 208,311; published Mar. 2, 1926.

Polly Portable Phonograph Co., Inc., The, New York, N. Y. Musical instruments and supplies, specifically phonographs and parts thereof. 212,891; May 18; Serial No. 219,683; published Mar. 2, 1926.

Polly Portable Phonograph Co., Inc., The, New York, N. Y. Musical instruments and supplies. 212,948; May 18; Serial No. 219,684; published Mar. 2, 1926.

Pond's Extract Company, to Pond's Extract Company, New York, N. Y., successor. Distillation of hamamelis. 49,484; renewed Feb. 6, 1926.

Pond's Extract Company, to Pond's Extract Company, New York, N. Y., successor. Medical compound. 51,090–1; renewed Apr. 3, 1926.

Pond's Extract Company, to Pond's Extract Company, New York, N. Y., successor. Ointments. 51,092; renewed Apr. 3, 1926.

Pond's Extract Company, to Pond's Extract Company, New York, N. Y., successor. Medical compound. 51,093; renewed Apr. 3, 1926.

Porter, Robert, & Co., Limited, London, England. Beer. 55,273; renewed Aug. 14, 1926.

Porto-O, Inc., Portland, Oreg. Jelly base. 213,176; May 18.

Postal Pen Company, Inc., New York, N. Y. Fountain pens. 212,955; May 18; Serial No. 224,831; published Feb. 16, 1926.

Powell's, New York, N. Y. Candy. 213,110; May 18; Serial No. 224,722; published Mar. 9, 1926.

Pratt, Archie M., Redlands, Calif. Oranges, lemons, and grapefruit. 212,872; May 18; Serial No. 220,800; published Mar. 2, 1926.

Pratt, Archie M., Redlands, Calif. Oranges, lemons, and grapefruit. 212,988; May 18; Serial No. 220,802; published Mar. 2, 1926.

Presstite Engineering Company, The, St. Louis, Mo. Pipe-jointing element for connecting sewer pipe. 213,153; May 18; Serial No. 223,941; published Feb. 23, 1926.

Prince M'f'g Co., The, New York, N. Y., to The Prince Manufacturing Company, Bowmanstown, Pa. Metallic paint in dry powder and in oil. 54,414; renewed June 26, 1926.

Procter & Gamble Company, The. (See Huss, J. G., Soap Co., assignor.)

Progressive Merchants Bureau, New York, N. Y. Monthly periodical. 213,021; May 18; Serial No. 219,260; published Mar. 9, 1926.

Protect-A-Vent Company, The, Des Moines, Iowa. Automobile ventilator protectors. 213,066; May 18; Serial No. 223,544; published Feb. 16, 1926.

Pumelo Company, The. (See Armstrong, Alexander F.)

Radermacher, John L., New York, N. Y. Mattresses. 51,197; renewed Apr. 10, 1920.

Radio Equipment Company, East Cleveland, Ohio. Adapter units for radio receiving sets for converting a receiving set into a superheterodyne. 212,892; May 18; Serial No. 219,645; published Mar. 2, 1926.

Rath Packing Company, The, Waterloo, Iowa. Ham, picnics, bacon, etc. 213,085; May 18; Serial No. 204,473; published Mar. 9, 1926.

Red Star Yeast and Products Co., Milwaukee, Wis. Gin. 213,082; Mar. 18; Serial No. 226,162; published Mar. 9, 1926.

Reed Manufacturing Co., Newark, N. J. Pails, milk cans, bread boxes, etc. 212,923; May 18; Serial No. 225,282; published Mar. 2, 1926.

Reichmann Company, Chicago, Ill. Radio receiving sets, loud speakers, antennæ, transformers, etc. 212,895; May 18; Serial No. 217,962; published Mar. 2, 1926.

Renziehausen, Frederick C., doing business as Large Distilling Company, Pittsburgh, Pa. Whisky. 52,184; renewed May 1, 1926.

Reysz, Fred J., doing business as Evansville Tea & Coffee Co., Evansville, Ind. Nonalcoholic malt sirup. 212,921; May 18; Serial No. 225,055; published Mar. 2, 1926.

Rhode Island Web Company, Pawtucket, R. I. Narrow elastic braid. 213,102; May 18; Serial No. 224,673; published Mar. 2, 1926.

Rice & Hutchins, Inc. (See Kaplan & Goldsoll, assignor.)

Rich, E. C., Inc., New York, N. Y. Crystallized ginger, stem ginger, preserved ginger, gelatin, etc. 212,979; May 18; Serial No. 225,844; published Mar. 2, 1926.

Rich, E. C., Inc., New York, N. Y. Crystallized ginger, stem ginger, preserved ginger, jelly powder, etc. 212,980; May 18; Serial No. 225,846; published Mar. 2, 1926.

Richards, Dr., Dyspepsia Tablet Association, New York, N. Y. Remedies for certain named diseases. 55,674; renewed Aug. 21, 1926.

Ripley, Edward, & Son, Limited, Bradford, England. Cloths and stuffs of wool, worsted, or hair. 54,823; renewed July 31, 1926.

Rockwood & Co., New York, N. Y. Shredded chocolate. 212,984; May 18; Serial No. 225,979; published Mar. 2, 1926.

Roddenbery, Walter B., Cairo, Ga. Sorghum sirup blended with corn sirup. 213,120; May 18; Serial No. 223,415; published Feb. 23, 1926.

Rudin, John, & Company, Inc., Chicago, Ill. Printed books. 212,997; May 18; Serial No. 222,193; published Feb. 23, 1926.

Saffert Cement Construction Company, New Ulm, Minn. Artificial-stone products. 213,042; May 18; Serial No. 206,543; published Mar. 2, 1926.

Sanford, Ray C., Franklin Grove, Ill. Soap. 212,930; May 18; Serial No. 225,320; published Mar. 2, 1926.

San-Man Chocolates Co., Boston, Mass. Chocolate candies. 212,982; May 18; Serial No. 225,941; published Mar. 2, 1926.

Santiago Orange Growers Association, Orange, Calif. Oranges, lemons, and grapefruit. 213,017; May 18; Serial No. 219,849; published Mar. 2, 1926.

Scheifer, Edward H., Chicago, Ill. Toothbrushes. 213,162; May 18.

Schloss & Kahn Grocery Co., Montgomery, Ala. Cigars. 212,870; May 18; Serial No. 218,669; published Mar. 2, 1926.

Scientific American Publishing Co., New York, N. Y. Annual publication. 212,970; May 18; Serial No. 225,321; published Feb. 23, 1926.

See, Joseph E., doing business as The Tanjora Company, New York, N. Y. Marmalade. 213,114; May 18; Serial No. 225,145; published Mar. 9, 1926.

Sefton Manufacturing Corporation, Chicago, Ill. Pasteboard, cardboard boxes, etc. 213,039; May 18; Serial No. 217,642; published Mar. 9, 1926.

Sefton Manufacturing Corporation, Chicago, Ill. Boxes, cartons, and containers. 213,055; May 18; Serial No. 217,641; published Mar. 9, 1926.

Self, William D., Little Rock, Ark. Periodical publication, comprising a series of maps. 212,974; May 18; Serial No. 225,681; published Feb. 23, 1926.

Service Spring Company, Indianapolis, Ind. Vehicle springs. 213,160; May 18.

Sheffer, Wm. P. (See Oehm & Co.)

Shotwell Mfg. Co., Chicago, Ill. Candy bar. 212,976–8; May 18; Serial Nos. 225,808–10; published Mar. 2, 1926.

Sill Stove Works, assignor to Sterling Range & Furnace Corp., Rochester, N. Y. Stoves, ranges, and gas stoves and attachments and parts and repairs therefor. 50,888; renewed Apr. 3, 1926.

Sill Stove Works, assignor to Sterling Range & Furnace Corp., Rochester, N. Y. Stoves, ranges, gas stoves and attachments and parts and repairs therefor. 50,912; renewed Apr. 3, 1926.

Sill Stove Works, assignor to Sterling Range & Furnace Corp., Rochester, N. Y. Stoves and ranges and repairs and parts therefor. 51,623; renewed Apr. 17, 1926.

Sill Stove Works, assignor to Sterling Range & Furnace Corp., Rochester, N. Y. Stoves, ranges, attachments, parts, and repairs. 55,408; renewed Aug. 14, 1926.

Simon, Leo, doing business as Natchez Baking Company, Natchez, Miss. Fruit cake, potato chips, layer cakes, etc. 212,920; May 18; Serial No. 224,882; published Mar. 2, 1926.

Simson & Frey, Inc., New York, N. Y. Reeds for wind musical instruments, such as clarinets, etc. 212,947; May 18; Serial No. 222,284; published Mar. 2, 1926.

Singer, Nimick & Co. Inc., Pittsburgh, Pa., to Singer Nimick & Co. Inc., New York, N. Y. Steel. 54,367; renewed June 26, 1926.

Sloan, Earl S., Boston, Mass., assignor to Dr. Earl S. Sloan, Incorporated, New York, N. Y. Liniment. 54,295; renewed June 26, 1926.

Slotin & Co., Savannah, Ga. Hosiery. 213,172; May 18.

Sportrola Phonograph Manufacturing Company, The. (See Waterson, May.)

Squire Dingee Company, Chicago, Ill. Pickles. 55,837; renewed Aug. 21, 1926.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 212,962; May 18; Serial No. 225,062; published Feb. 16, 1926.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 212,962; May 18; Serial No. 225,062; published Feb. 16, 1926.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 212,963; May 18; Serial No. 225,060; published Feb. 16, 1926.

Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 212,964; May 18; Serial No. 225,063; published Feb. 16, 1926.

Standard Crayon Manufacturing Co., Danvers, Mass. Wax and chalk crayons. 213,053; May 18; Serial No. 216,364; published Mar. 9, 1926.

Star Safety Razor Corporation. (See Kampfe Bros., assignor.)

Sterling, J. G., Warren, Ohio. Automobiles and parts thereof except rubber bumpers. 213,056; May 18; Serial No. 217,425; published Feb. 16, 1926.

Sterling Products (Incorporated). (See California Fig Syrup Co., assignor.)

Sterling Range & Furnace Corp. (See Sill Stove Works, assignor.)

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 51,990; renewed May 1, 1926.

Stevens, Wenceslaus, New York, N. Y., and Naples, Italy. Tanned or raw skins. 213,117; May 18; Serial No. 224,484; published Feb. 16, 1926.

Sullivan Company, The, Memphis, Tenn. Compound for use as a cement-surface hardener. 213,037; May 18; Serial No. 219,860; published Feb. 16, 1926.

Superior Motor Coach Body Company, The, Lima, Ohio. Bodies for motor vehicles. 213,156; May 18; Serial No. 223,556; published Mar. 2, 1926.

Superior Portland Cement Company, Seattle, Wash. House organ and periodical. 212,994; May 18; Serial No. 221,645; published Feb. 16, 1926.

Supreme Publishing Co. (See Adelman, Joseph.)

Sutherland, E. E., Medicine Co., The, Paducah, Ky., assignor to Dr. Bell Medicine Co. Inc., New York, N. Y. Salve for the treatment of sore eyes. 54,073; renewed June 19, 1926.

Sutherland, E. E., Medicine Co., The, Paducah, Ky., assignor to Dr. Bell Medicine Co., Inc., New York, N. Y. Salve for the treatment of sore eyes. 54,275; renewed June 26, 1926.

Swift and Company, Chicago, Ill. Oleomargarine. 55,958; renewed Aug. 21, 1926.

Tanjora Company, The. (See See, Joseph E.)

Taylor, Charles E., El Dorado, Ark. Flour composed of oats and wheat. 212,876; May 18; Serial No. 217,054; published Mar. 2, 1926.

Taylor-Long Company, Charlotte, N. C. Nonalcoholic, maltless, carbonated beverages and the sirups for making the same. 213,144; May 18; Serial No. 224,304; published Mar. 9, 1926.

Ted Morton Co. Inc., New York, N. Y. Stuffed figure toys and blanks from which to form such toys. 212,953; May 18; Serial No. 178,351; published June 16, 1925.

Tee-Lok Shingle Company, Chicago, Ill. Asphalt shingles. 213,163; May 18.

Ternstedt Manufacturing Co., Detroit, Mich. Automobile body hardware. 213,173; May 18.

Ternstedt Manufacturing Co., Detroit, Mich. Coach locks, keys, striker plates. 213,177; May 18.

Terry Sales and Manufacturing Company, The, Colorado Springs, Colo. Liquid preparation for preserving leather. 212,940; May 18; Serial No. 223,751; published Mar. 9, 1926.

Thomsen, Mrs. Jewell, doing business as Interstate Manufacturing Company, Waco, Tex. Treated cloth for polishing automobiles and furniture. 212,960; May 18; Serial No. 225,044; published Feb. 23, 1926.

Trageser, John, Steam Copper Works, New York, N. Y. Hot-water boilers. 213,155; May 18; Serial No. 223,822; published Feb. 23, 1926.

Transo-Tank Pen Company, Inc., New York, N. Y. Fountain pens. 212,956; May 18; Serial No. 224,845; published Feb. 16, 1926.

Trifari & Krussman, Inc., New York, N. Y. Pearl necklaces. 212,934; May 18; Serial No. 224,307; published Mar. 2, 1926.

Ultra Fruit Association, Ultra, Calif. Fresh grapes. 213,034; May 18; Serial No. 221,294; published Mar. 9, 1926.

Ultra Fruit Association, Ultra, Calif. Fresh grapes. 213,050; May 18; Serial No. 221,293; published Mar. 9, 1926.

Underwood, William, Company, assignor to William Underwood Company, Boston, Mass. Canned sardines. 50,406; renewed Mar. 13, 1926.

Underwood, William, Company, assignor to William Underwood Company, Boston, Mass. Canned sardines. 50,494; renewed Mar. 20, 1926.

U. S. Lace Paper Works Inc., Brooklyn, N. Y. Adding-machine rolls of paper. 213,161; May 18.

Utensils Company, The, Fort Wayne, Ind. Ironing machines. 212,880; May 18; Serial No. 219,921; published Mar. 2, 1926.

Validejull, M. S., doing business as The Picot Company, Buffalo, N. Y. Pharmaceutical preparations. 213,168; May 18.

Vanderherchen, Mary L., doing business as Wm. H. Vanderherchen, Philadelphia, Pa. Tents. 213,087; May 18; Serial No. 212,519; published Feb. 16, 1926.

Ventura Citrus Association, doing business as E. S. Barnard Co. Inc., Ventura, Calif. Oranges, lemons, and grapefruit. 213,061; May 18; Serial No. 222,294; published Mar. 9, 1926.

Ventura Citrus Association, Ventura, Calif. Oranges, lemons, and grapefruit. 213,062–3; May 18; Serial Nos. 222,295–6; published Mar. 9, 1926.

Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschrankter Haftung, Frankfort-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Derivatives of cinchona alkaloids. 55,723; renewed Aug. 21, 1926.

Vernoy Chemical Company, Summit, N. J. Dental powder for cleaning dental plates and bridges. 213,023; May 18; Serial No. 217,148; published Mar. 9, 1926.

Vimedia Co., The. (See Fuller, James C., assignor.)

Vogan Candy Company, Portland, Oreg. Candy. 212,883; May 18; Serial No. 215,110; published July 14, 1925.

Walt, George Z., doing business as George Z. Walt Co., Sacramento, Calif. Concentrated fruit juices for making of jellies, fruit pectin for jellies. 213,116; May 18; Serial No. 226,391; published Mar. 9, 1926.

Walls & Topham, Lindsay, Calif. Fresh citrous fruits. 213,067; May 18; Serial No. 223,670; published Mar. 9, 1926.

Walworth M'f'g Co., assignor to Walworth Company, Boston, Mass. Wrenches. 50,842; renewed Apr. 3, 1926.

Watch Dog Identification Devices, New York, N. Y. Cloth-identification folders. 213,026; May 18; Serial No. 217,972; published Mar. 9, 1926.

Waterson, May, doing business as The Sportrola Phonograph Manufacturing Company, New York, N. Y. Phonographs. 212,903; May 18; Serial No. 210,593; published Mar. 2, 1926.

Weber Piano Company, The, New York, N. Y. Pianos. 51,459; renewed Apr. 17, 1926.

Wefco Company, Inc., New York, N. Y. Lubricating spring covers for automobiles. 213,065; May 18; Serial No. 223,006; published Feb. 16, 1926.

Wenatchee Lumber Company, Wenatchee, Wash. Roofing material, lumber, and lumber products. 213,149; May 18; Serial No. 224,167; published Mar. 2, 1926.

Western Hair Goods Company, Chicago, Ill. Hair goods. 213,165; May 18.

Westfield River Paper Company, Inc., Russell, Mass. Wrapping paper. 213,095; May 18; Serial No. 225,390; published Mar. 9, 1926.

Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Electric air heaters. 212,894; May 18; Serial No. 219,214; published Mar. 2, 1926.

Weyauwega Milling Company, Weyauwega, Wis. Rye flour. 213,164; May 18.

Whitaker, H. E., Co., Philadelphia, Pa. Sour and sweet pickles, mustard, mayonnaise, etc. 213,170; May 18.

Whiting, C. R., Co., Newark, N. J. Coated textile material for covering or lining suitcases, leather goods, etc. 213,038; May 18; Serial No. 219,157; published Feb. 16, 1926.

Wiggin's, H. B., Sons Company, Bloomfield, N. J. Draperies, hangings, and woven fabrics. 55,129; renewed Aug. 7, 1926.

Williams, J. B., Company, The, Glastonbury, Conn. Hand cleaners. 213,096; May 18; Serial No. 225,498; published Mar. 9, 1926.

Williamsville Buff Manufacturing Company, Danielson, Conn. Buff wheels. 212,933; May 18; Serial No. 225,154; published Mar. 2, 1926.

Willson Spielmann Label Co., Chicago, Ill. Printed gummed and ungummed embossed labels and tags. 213,027; May 18; Serial No. 218,229; published Mar. 9, 1926.

Wisconsin Increasing Power Company, Inc., New York, N. Y. Belt dressing. 212,936; May 18; Serial No. 224,793; published Feb. 16, 1926.

Wonderful Dream Salve Company, Detroit, Mich. Salves. 50,955; renewed Apr. 3, 1926.

Wright, E. H., Company, Ltd., The, Kansas City, Mo. Liquid smoke distilled from wood. 53,070; renewed May 22, 1926.

Young & McCallister, Inc., Los Angeles, Calif. Display signs. 213,018; May 18; Serial No. 219,020; published Mar. 9, 1926.

Zürcher Papierfabrik an der Sihl (Zurich Paper Mill on Sihl), Zurich, Switzerland. Thin and thick drawing paper, tracing paper, tissue paper, etc. 213,049; May 18; Serial No. 214,196; published Mar. 9, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Better Brew Products Company (Not Inc.). (See Kircher, Stephen A.)

Blatz, Val., Brewing Company, also doing business as Val. Blatz Brewing Co., Milwaukee, Wis. Old Heidelberg. For Cereal Malt Beverage. 30,368; May 18.

Blatz, Val., Brewing Company, also doing business as Val. Blatz Brewing Co., Milwaukee, Wis. Prosit. For Cereal Malt Beverage. 30,369; May 18.

Brady, King, Chicago, Ill. "X"-It. For Eczema Remedy. 30,339; May 18.

Carroll, Joseph M., Youngstown, Ohio. Carroll's Gold and Seal Capsules for the Stomach. For Capsules. 30,340; May 18.

Dunham, L. N., New Britain, Conn. Oh-Boy! Apples. For Apples. 30,341; May 18.

Electura Water and Beverage Company, The, Cleveland, Ohio. Cleve-O Club. For Ginger Ale. 30,342; May 18.

Elite Candy Mfg. Co., The, Spartanburg, S. C. Hav-A-Bite. For Candy. 30,343; May 18.

Ever-Ready Food Products Company, Carrick, Pa. Ever-Ready. For Pineapple. 30,344; May 18.

Giurlani, A., & Bro., San Francisco, Calif. Star Brand. For Olive Oil. 30,345; May 18.

Hamilton, John D., Company, The, Tacoma, Wash. Hamilton's. For Candy. 30,346; May 18.

Junker, Jules, Inc., Philadelphia, Pa. Junker's 100% Pure Whole-Wheat Bread. For Bread. 30,347; May 18.

Kircher, Stephen A., doing business as Better Brew Products Company (Not Inc.), Chicago, Ill. Bohemian Better Brew, Creme De Malt. For Malt Extract. 30,348; May 18.

Midland Bakeries Company, Chicago, Ill. Monarch. For Bread. 30,349; May 18.

Olympia Canning Co., Olympia, Wash. Olympia. For Canned Pears. 30,350; May 18.

Paull, Mrs. Georgia E., Long Beach, Calif. G. L. D. Hair Tonic. For Hair Tonic. 30,351; May 18.

Schiffmann, R., Company, Los Angeles, Calif. Asthmador. For Medicine for the Treatment of Asthma, Hay Fever, Croup, and Certain Other Diseases. 30,352; May 18.

Schooley, Eugene R., doing business as Schooley and Son, Luzerne, Pa. Red Clover. For Dairy Feed. 30,353; May 18.

Schranck, H. C., Company, Milwaukee, Wis. High Life. For Ginger Ale. 30,354; May 18.

Seely, S. Alfred, Co., The, Spencer, N. Y. Seely's Self Rising. For Buckwheat Flour. 30,355; May 18.

Sherman, Chas. E., Cleveland, Ohio. Re-Stors-It Top Dressing. For Top Dressing. 30,356; May 18.

Shorr, Leon M., Chicago, Ill. Shorr's Crystal Mixture. For Shorr's Crystal Mixture Tablets, a Medicinal Preparation. 30,357; May 18.

Shredded Wheat Company, The, Niagara Falls, N. Y. Shredded Wheat. For Shredded Wheat. 30,358; May 18.

Sierra Club Beverage Company, Inc., Los Angeles, Calif. A One Brew. For Nonalcoholic Beverages. 30,359; May 18.

Taylor Paper Company, Memphis, Tenn. T. N. T. The Nockout Tablet. For Tablets. 30,360; May 18.

Taylor Paper Company, Memphis, Tenn. Hi-Lo Pencil Tablet. For Tablets. 30,361; May 18.

Tebo, William H., Granite City, Ill. Stove Klenz. For a Preparation for Cleaning Porcelain Enamel Stoves. 30,362; May 18.

Three Mountain Coffee Corporation, San Jose, Costa Rica. Three Mountain. For Coffee. 30,364; May 18.

Tomson, P. C., & Co., Inc., Philadelphia, Pa. White Seal Soda. For Baking Soda. 30,363; May 18.

United Wholesale Grocery Co., Worcester, Mass. United. For Canned Peaches. 30,365; May 18.

United Wholesale Grocery Co., Worcester, Mass. United. For Canned Salmon. 30,366; May 18.

United Wholesale Grocery Co., Worcester, Mass. United. For Canned Corn. 30,367; May 18.

Western Bottling Manufacturing Company, doing business as The Western Company, Chicago, Ill. The New Petite Gainsborough Hair Net. For Hair Nets. 30,370; May 18.

Zefume, Inc., Chicago, Ill. Encens des Fleurs. For Incense. 30,371; May 18.

Zefume, Inc., Chicago, Ill. Encens de Vie. For Incense. 30,372; May 18.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. What's In a Name? For Athletic Underwear. 8,778; May 18.

B. V. D. Company, Inc., The, New York, N. Y. For The Matchless Comfort. For Athletic Underwear. 8,779; May 18.

B. V. D. Company, Inc., The, New York, N. Y. How Will You Drive Your Comfort? For Athletic Underwear. 8,780; May 18.

Coleman Lamp Company, The, Wichita, Kans. The New Coleman Lantern. For Lanterns. 8,781; May 18.

H. & M. Neckwear Company, New York, N. Y. My Beau-Ideal Band Bow, Appears Hand-Tied. For Men's Band Bow Ties. 8,782; May 18.

Postum Cereal Company, Incorporated, Wilmington, Del., and New York, N. Y. Instant Postum. For a Beverage. 8,783; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You Chaps Who Roll Your Own. For a Smoking Tobacco. 8,784; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Play This Hunch and You Can't Lose. For a Smoking Tobacco. 8,785; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You Can Hit P. A. and It Won't Hit Back. For a Smoking Tobacco. 8,786; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Try This Better Cigarette Tobacco. For a Smoking Tobacco. 8,787; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. The Makin's of a Man. For a Smoking Tobacco. 8,788; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. No More Teeth Than a Hen. For a Smoking Tobacco. 8,789; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. The Man Who 'Couldn't Smoke a Pipe' Is Now a P. A. Fan! For a Smoking Tobacco. 8,790; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Does He Smoke a Pipe? For a Smoking Tobacco. 8,791; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When Old Grads Drop In—And Around The-Fire Experiences of Then Are Fondly Retold. For Cigarettes. 8,792; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Lure of Adventure Calls You. For Cigarettes. 8,793; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Is So Cool Under Fire. For a Smoking Tobacco. 8,794; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Evening—And Your Little Home Resounds. For Cigarettes. 8,795; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Tie a Can to Trouble 48 E 1926. For a Smoking Tobacco. 8,796; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Second Act Has Come to an End—And The Curtain Is Rung Down Amidst Whirling Applause. For Cigarettes. 8,797; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's a Rainy Night—And With Three Crafty Bridge Players. For Cigarettes. 8,798; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Throws Pipe—Peeves for a Loss 48 P 1926. For a Smoking Tobacco. 8,799; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Throws Pipe—Peeves for a Loss 48 Z 1926. For a Smoking Tobacco. 8,800; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Tie a Tin To Trouble 48 M 1926. For a Smoking Tobacco. 8,801; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Pick a Pipe and Pack It With Good Old P. A. For a Smoking Tobacco. 8,802; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When You Have To Concentrate On a Heavy Theme. For a Smoking Tobacco. 8,803; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. 'Everything's Jake' When You Smoke P. A. For a Smoking Tobacco. 8,804; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Give Me a Pipe . . . And P. A. For a Smoking Tobacco. 8,805; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. A Cigarette Made With P. A. Burns Better. For a Smoking Tobacco. 8,806; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Sure Makes a Grand Cigarette! For a Smoking Tobacco. 8,807; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Quality—And Nothing Else But! For a Smoking Tobacco. 8,808; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Mild As Indian Summer. For a Smoking Tobacco. 8,809; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. I've Got Mine, Boys! For a Smoking Tobacco. 8,810; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Second Act Has Come To An End—And The Curtain Is Rung Down Amidst Whirling Applause—106 D 1925. For Cigarettes. 8,811; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Runners Are Bunched on The Track. For Cigarettes. 8,812; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's The Night of The Season's Most Festive Dance. For Cigarettes. 8,813; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. After The Dance . . . A Pipe And P. A. For a Smoking Tobacco. 8,814; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When Silvery Moonlight Falls On Town And Field. For Cigarettes. 8,815; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Decorate Yourself With The Degree of P. A. For a Smoking Tobacco. 8,816; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's A Perfect Winter Day. For Cigarettes. 8,817; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Give Me A Pipe and Prince Albert. For a Smoking Tobacco. 8,818; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. You've Got The Goods, Prince Albert. For a Smoking Tobacco. 8,819; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. The World's O. K. When You Smoke P. A. For a Smoking Tobacco. 8,820; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Write It On The Ice! For a Smoking Tobacco. 8,821; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Old Pipe, We're Pals For Keeps. For a Smoking Tobacco. 8,822; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. No Other Tobacco Is Like P. A. For a Smoking Tobacco. 8,823; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Your Birthday. For Cigarettes. 8,824; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Morning—And You Call Good-Bye To Home. For Cigarettes. 8,825; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Your Favorite Table At The Restaurant. For Cigarettes. 8,826; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Most Glamorous Picture Is Over. For Cigarettes. 8,827; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. That 'Pay-Day Smile' When You Smoke P. A. For a Smoking Tobacco. 8,828; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Yes, Sir! That's My Buddy! For a Smoking Tobacco. 8,829; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When You And Spring Are Thrilling To The First Ball Game. For Cigarettes. 8,830; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. P. A. Put A Padlock On Tongue-Torture. For a Smoking Tobacco. 8,831; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Like Sunshine After Rain. For a Smoking Tobacco. 8,832; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. I Hope To Tell You! For a Smoking Tobacco. 8,833; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. A Word To The Wives. For a Smoking Tobacco. 8,834; May 18.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Thanksgiving—And The Teams Are Drawn Up For Battle. For Cigarettes. 8,835; May 18.

Royal Shoe Stores, Inc., Kansas City, Mo. Reg'lar Fellers. For Shoes. 8,836; May 18.

Try-On Spectacle Corp., Norfolk, Va. Try-On Spectacle Corp. For Spectacles. 8,837; May 18.

United States Daily Publishing Corporation, The, Washington, D. C. 'Uncle Sam's Diary.' For a Newspaper Published Daily. 8,838; May 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Shoe lasts, animal traps, rat traps, rubber cloth, etc. 210,431; May 18.

Acme Brick Company, Fort Worth, Tex. Brick. 227,551; May 18.

Aerovox Wireless Corporation, New York, N. Y. Radio resistors and grid leaks. 228,961; May 18.

Aktiebolaget Baltic, Stockholm, Sweden. Centrifugal liquids. 226,033; May 18.

Alman Chemical Company, Inc., New York, N. Y. Preparation for gout and rheumatism. 228,521; May 18.

Ambler, Eugene, doing business as Ambler Kokoal Company, Chicago, Ill. Coal. 229,017; May 18.

American Chicle Company, Long Island City, N. Y. Chewing gum. 215,396; May 18.

American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa. Fresh citrous fruits, fresh deciduous fruits, watermelons, canned fruits, etc. 229,140; May 18.

American Importing Company, New York, N. Y. Ticking. 202,475; May 18.

American Lead Pencil Company, New York, N. Y. Lead pencils. 229,770; May 18.

American Wireless Corporation, doing business as the National Radio Stores, New York, N. Y. Loud speakers, head phones, sockets, variable inductances, etc. 192,659; May 11.

Amsco Products, Inc., New York, N. Y. Radio parts. 229,141; May 18.

Anderson's Dr., Pio Reo Remedy Co., Centralia, Ill. Preparation for pyorrhea. 226,532; May 18.

Anti-Stall, Inc., Mount Vernon and New York, N. Y. Controls for automobile starters. 213,217; May 18.

Arden Chemical Company, New York, N. Y. Bath soap. 228,636; May 18.

Armstrong Cork & Insulation Company, Pittsburgh, Pa. Mastic finish for heat-insulating material. 212,472; May 18.

Aron, J., & Company, Inc., New Orleans, La. Green coffee. 229,057-8; May 18.

Badger Poultry Farm. (See Theune, John J.)

Bakelite Corporation, New York, N. Y. Loving-cup cases and rosaries. 212,527; May 18.

Barnes, William T., Vancouver, British Columbia, Canada. Polishing and cleaning compound. 202,735; May 18.

Beacon Oil Company, Boston, Mass. Petroleum products. 227,388; May 18.

Beckley-Cardy Company, Chicago, Ill. Blackboards. 228,638; May 18.

Behringwerke Aktiengesellschaft, Marburg-on-the-Lahn, Germany. Medicinal compounds of iipoid and jodoxychinolin sulphonic salts. 195,207; May 18.

Bakal, S., & Son Inc., New York, N. Y. Sanitary napkins. 229,266; May 18.

Berry, Charles T., doing business as Washington Society Beauty Company, Washington, D. C. Chemical preparation. 229,615; May 18.

Best & Co., Inc., New York, N. Y. Toilet water, perfume, perfume extracts, toilet lotions, etc. 213,061; May 18.

Better Brew Products Company (Not Inc.) (See Kircher, Stephen A.)

Bijou Hat Company, Inc., New York, N. Y. Ladies', misses', and children's hats. 229,213; May 18.

Blit-Rite Shoe Co., Allentown, Pa. Leather boots and shoes. 228,218; May 18.

Binz, Edward G., Company, Los Angeles, Calif. Eucalyptus oil. 229,772; May 18.

Bishop & Pannen, Inc., New York, N. Y. Shrimp cocktail in closed containers. 229,020; May 18.

Black & Decker Manufacturing Co., The, Towson, Md. Portable electric drills and twist-drill grinders, etc. 228,887; May 18.

Blatz, Val., Brewing Company, Milwaukee, Wis. Malt sirup. 229,365; May 18.

Blue Streak Underwear Company, Inc., Utica, N. Y. Knitted union suits and underwear. 228,404; May 18.

Bookman, Rose N., doing business as The Peroxogen Company of America, New York, N. Y. Hydrogen peroxide, bleaching compounds, and bleaching powders. 211,826; May 18.

Borgfeldt, Geo., & Co., New York, N. Y. Dolls. 228,888; May 18.

Bornstein, M., & Sons, Paterson, N. J. Silk shirtings in the piece. 211,971; May 18.

Bottlers Supply Company, Milwaukee, Wis. Citric-acid solution used in the preparation of soft drinks. 228,406; May 18.

Boulin, Camille H., doing business as Causon & Montgolfier. Handmade paper. 175,643; May 18.

Brignall, Guy E., doing business as Lite Soap Company, Aurora, Ill. Shampoo. 228,969; May 18.

Budd, Edward G., Manufacturing Co., Philadelphia, Pa. Automobile bodies and automobile parts. 211,458; May 18.

Builders Service & Supply Co., The, Berkeley, Calif. Electrical regrigerating machines and repair parts thereof. 229,088; May 18.

Burgess, W. W., doing business as Carter Cystene Co., Kansas City, Mo. Medicine for bladder and kidney disorders. 229,492; May 18.

Burke, W. D., Minneapolis, Minn. Quarterly magazine. 228,295; May 18.

Burris, Richard A., Charleston, S. C. Structural signboards. 228,641; May 18.

Calco Chemical Company, The, Boundbrook, N. J. Chemical for use in the dyeing of textiles and for use in the manufacture of rayon or artificial silk. 228,225; May 18.

Canadian Independent Oil, Limited, East St. John, New Brunswick, Canada. Lubricating oils. 227,630; May 18.

Carbonell & Co. (S. en C.), Cordoba, Spain. Olives and mayonnaise sauces. 227,878; May 18.

Carson Pirie Scott & Co., Chicago, Ill. Cotton piece goods. 229,899; May 18.

Carter Cystene Co. (See Burgess, W. W.)

Cathaspirin Company. (See Hobson, Jay G.)

Causon & Montgolfier. (See Boulin, Camille H.)

Central Braiding Company. (See Weinstein, Leon.)

Chatillon, John, & Sons, New York, N. Y. Dynamometers, beam scales, even-balance scales, and spring scales. 219,379; May 18.

Clapp, Otis, & Son, Inc., Boston, Mass. Salve or ointment like preparation. 186,607; May 18.

Clark, Isaac C., Saranac Lake, N. Y. Greeting cards and calendars. 226,045; May 18.

Cleveland Tractor Company, The, Euclid, Ohio. Lubricating apparatus for vehicles. 227,002; May 18.

Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France. Crystallized mixture of sodium sulphide and sodium hyposulphite. 216,455; May 18.

Conrad Hosiery Company, Clifton, N. J. Hosiery. 229,666; May 18

Constantator Company, Inc., The, New York, N. Y. Motive-power regulators. 229,218; May 18.

Consumers Bottling Co., Inc., New Orleans, La. Orange, grape, cider, and root beer. 228,358; May 18.

Country Club Soda Company, Springfield, Mass. Non-alcoholic maltless beverages. 227,719; May 18.

Craddock-Terry Co., Lynchburg, Va. Leather shoes. 222,917; May 18.

Craig, Randolph M., Fort Worth, Tex. Watch cleaners, dial cleaners, silver soap, silver polish, and jewelry cleaner. 222,013; May 18.

Crandall, Pierce & Company, Chicago, Ill. Publication issued monthly. 226,130; May 18.

Crown Laboratories. (See Schmidt, O. S.)

De France, Marie, Laboratories Inc., New York, N. Y. Toilet preparations. 227,899; May 18.

Dillard, Harry E., Detroit, Mich. Electric vacuum cleaners. 228,528; May 18.

Duffy-Mott Company, Inc., New York, N. Y. Vinegars. 229,166; May 18.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Window-shade material. 227,223; May 18.

Earl Fruit Company, San Francisco, Calif. Pears, plums, peaches, and fresh grapes. 220,767; May 18.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 215,903; May 18.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 215,906; May 18.

Engstrom, Jones A., doing business as Engstrom Co. Hair tonic, hair grower, and dandruff preparations. 228,981; May 18.

Eppak Co. (See Eppstein, H. B., & Bro.)

Eppstein, H. B., & Bro., doing business as Eppak Co., New York, N. Y. Dessert powders. 227,943; May 18.

Erickson Brothers, Minkler and Sanger, Calif. Fresh deciduous fruits and grapes. 221,543; May 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ernster, Nicholas, Cambridge, Mass. Hay-fever remedies. 230,023; May 18.
Essential Mfg. Co., Philadelphia, Pa. Insect powder. 228,896; May 18.
Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Motor fuel oils. 211,992–3; May 18.
Eureka Mfg. Co., New York, N. Y. Sheets and pillow-cases. 211,784; May 18.
Everybody's Talking Machine Company, Inc., Philadelphia, Pa. Adhesive having shellac as a base. 219,885; May 18.
Everybody's Talking Machine Company, Inc., Philadelphia, Pa. Mainsprings, gears, shafts, etc. 220,183; May 18.
Experimenter Publishing Company, New York, N. Y. Monthly magazine. 229,094; May 18.
Expo Camera Corporation, New York, N. Y. Cameras and camera parts. 227,268; May 18.
Fair Play Caramels, Inc., Johnson City, N. Y. Candy. 228,531; May 18.
Fallis Inc., Cincinnati, Ohio. Toilet preparations. 223,839; May 18.
Federal Telegraph Company, San Francisco, Calif. Radio direction finders, radio compasses, and radio receiving sets and parts thereof. 226,282; May 18.
Fennville Canning Co., Fennville, Mich. Canned fruits, vegetables, and berries. 221,248; May 18.
Fennville Canning Co., Fennville, Mich. Canned fruits, vegetables and berries. 221,246; May 18.
Filament Export Corp., New York, N. Y. Radio loud speakers. 226,893; May 18.
Filament Export Corp., New York, N. Y. Radio loud speakers. 226,951; May 18.
Finish Co-Operative Trading Association Inc., Brooklyn, N. Y. Bread, rolls, and other like foods. 226,719; May 18.
Fischer, Chas., Spring Co., The, Brooklyn, N. Y. Metal household utensils. 207,926; May 18.
Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires made wholly or partly of rubber. 228,603; May 18.
Flatley, Joseph J., San Francisco, Calif. Canned fruits, fish, vegetables, and dried fruits. 225,655; May 18.
Fleming, Harold C., doing business as The Purity Cross Laboratories, Minneapolis, Minn. Kidney pills. 216,168; May 18.
Fortuna Broom Company, Beeville, Tex. Brooms. 227,993; May 18.
Foster, Edwin T., doing business as The Edwin T. Foster Laboratories, Williamstown, Mass. Solution for the treatment of tonsils. 223,166; May 18.
Fostoria Glass Company, Moundsville, W. Va. Table glassware. 203,232; May 18.
Freshie Co. Inc., The, New York, N. Y. Cleansing-cream paper. 229,788; May 18.
Frick, Frank E., doing business as Frank E. Frick and Sons, Long Island City, N. Y. Hot-tool rotary cutters. 227,450; May 18.
Fulton Company, The, Knoxville, Tenn. Radiator inclosures. 228,748; May 18.
Galen Laboratories, Inc., Buffalo, N. Y. Analgesic and counter-irritant salve or ointment. 229,906; May 18.
General Electric Company, Schenectady, N. Y. Electric oil-bath heaters, electric water heaters, immersion heaters, etc. 212,913; May 18.
General Mfg. Co. (See Lawrence, Stanley O.)
General Seafoods Corporation, Gloucester, Mass. Fresh fish and fresh fish flesh. 229,792; May 18.
George Chemical Company, Scottdale, Pa. External preparation for rheumatism, neuritis, neuralgia, and aching joints. 228,424; May 18.
Gilmore Oil Company, Los Angeles, Calif. Petroleum. 223,032; May 18.
Girl Scouts, New York, N. Y. Badges, uniform make-up sets, flagstaffs, emblem flags, pennants, etc. 206,960; May 18.
Girl Scouts, New York, N. Y. Moving-picture films, compasses, dress patterns. 209,961; May 18.
Girl Scouts, New York, N. Y. Pins, finger rings, cuff links, badges, thimbles, etc. 206,962; May 18.
Girl Scouts, New York, N. Y. Song books, music books, signal charts, periodicals, etc. 206,966; May 18.
Gold Star Co., Minneapolis, Minn. Insecticides. 229,907; May 18.
Golden Rule, Inc., The, Columbus, Ohio. China dishes. 229,329; May 18.
Golden Rule, Inc., The, Columbus, Ohio. Etched and iridescent glass goblets and sherbet glasses. 229,333; May 18.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Food choppers. 228,900; May 18.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Head phones, condensers, transformers, and loud speakers. 228,902; May 18.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving sets, radio transmitting sets, and parts thereof. 228,539; May 18.
Greeley Square Hotel Company, New York, N. Y. Cigars, cigarettes, cheroots, smoking and chewing tobacco, and snuff. 225,419; May 18.
Greenwald, Friedman & Co., Inc., New York, N. Y. Tailor-made dresses. 229,958; May 18.
Gregory, Alfred R., San Francisco, Calif. Nitrogen bacteria (fertilizer). 228,239; May 18.
Greif, L., & Bro. Incorporated, Baltimore, Md. Top-coats and overcoats for men, youths, and boys. 229,106; May 18.
Griffiths, K. F., Buff Company, Inc., New York, N. Y. Buffing wheels. 224,088; May 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods. 227,580; May 18.
Hammond, William P., New York, N. Y. Word puzzles. 228,367; May 18.
Hansen, O. C., Manufacturing Co., Milwaukee, Wis. Inside gloves. 227,306; May 18.
Harris Electric Co., San Francisco, Calif. Electric generators. 226,426; May 18.
Hawaiian Tuna Packers, Ltd., Honolulu, Hawaii. Canned tunny fish. 194,797; May 18.
Heller, B., & Company, Chicago, Ill. Waste-pipe, toilet-bowl, sink, and drain opener and solvent. 228,984; May 18.
Hercules Powder Company, Wilmington, Del. High-boiling solvents for gums and cellulose esters. 228,852; May 18.
Heywood Boot & Shoe Company, Worcester, Mass. Canvas and leather boots and shoes. 229,179; May 18.
Hinde & Dauch Paper Co., The, Sandusky and Delphos, Ohio; Chicago, Ill.; Philadelphia, Pa.; New York, N. Y.; Muncie, Ind.; Gloucester, N. J.; and Toronto, Canada. Cartons, boxes, shipping envelopes, partitions for receptacles, etc. 227,585; May 18.
Hobson, Jay G., doing business as Cathaspirin Company, Chillicothe, Ohio. Laxative compound for la grippe, influenza, headache, etc. 221,064; May 18.
Hoffman & Billings Mfg. Co., Milwaukee, Wis. Lavatory supply and waste fixtures, bathtub fillers, etc. 229,336; May 18.
Hoopeston Canning Co., Hoopeston, Ill. Canned vegetables. 218,181; May 18.
Hoover Company, The, North Canton, Ohio. Electric suction sweepers. 229,797; May 18.
Humphrey, George F., Montreal, Quebec, Canada. Breakfast food. 221,612; May 18.
Hyde Manufacturing Company, Southbridge, Mass. Table knives, forks, spoons, leather-cutting kpives, etc. 218,488; May 18.
Ingram, Frederick F., Company, Detroit, Mich. Face cream. 218,307; May 18.
Interfraternity Conference, New York, N. Y. Leaflets, pamphlets, books, or booklets published from time to time. 212,333; May 18.
International Paper Company, New York, N. Y. Wrapping paper. 210,559; May 18.
International Projector Corporation, New York, N. Y., and Chicago, Ill. Motion-picture projectors. 227,018; May 18.
International Radiolite Company, The, St. Paul, Minn. Electric storage batteries and parts thereof. 223,037; May 18.
Jacobson, Julius, New York, N. Y. Dresses. 229,915; May 18.
Jordan Stabler Company, Baltimore, Md. Mayonnaise salad dressing, Russian dressing, olive dressing, and tartar sauce. 229,513; May 18.
Joy, Leslie W., New York, N. Y. Natural mineral water. 226,059; May 18.
Kaco Corporation, New York, N. Y. Paints, varnishes, dry colors, and paste paints. 222,033; May 18.
Kalil, F. A., Company, New York, N. Y. Sweaters, sport coats, jerseys, and jackets. 226,147; May 18.
Kant-Rust Products Corporation, Rahway, N. J. Lubricating oils, greases, and penetrants. 227,454; May 18.
Kass, Benjamin, New York, N. Y. Corsets and brassières. 229,918; May 18.
Katz & Ogush, Inc., New York, N. Y. Watches, watch-cases, and watch movements. 228,704; May 18.
Kauai Fruit & Land Co., Ltd., Kalaheo, Hawaii. Canned pineapples. 229,570; May 18.
Kedmont Manufacturing Co., Chicago, Ill. Wood preservative. 229,291; May 18.
Kellogg Switchboard & Supply Co., Chicago, Ill. Electrically-operated vehicle signal horns, starting motors, generators, etc. 213,580; May 18.
Kelly-Springfield Tire Company, New York, N. Y. Solid and pneumatic tires and inflatable inner tubes. 229,860; May 18.
Kenney Bros. & Wolkins, Inc., Boston, Mass. Inkwells. 228,705; May 18.
Key, T. M., Jacksonville, Fla. Chili tabasco pepper sauce. 228,989; May 18.
Kircher, Stephen A., doing business as Better Brew Products Company (Not Inc.), Chicago, Ill. Malt extract. 219,075; May 18.
Knight, Thomas G., St. Johns, Mich. Horse and cattle pokes. 228,194; May 18.
Kohinoor Pencil Factory L. & C. Hardtmuth in Budweis, Budweis, Czechoslovakia. Lead pencils. 229,740; May 18.

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Kolb Baking Corporation, Reading, Allentown, and Johnstown, Pa., and Schenectady and Albany, N. Y. Bread. 228,706–7; May 18.
Kooler Co., The, Washington, D. C. Nonalcoholic, maltless beverage. 226,811; May 18.
Koshollek, Alois J., Stevens Point, Wis. Artificial lures for fish. 228,993; May 18.
Krakow Specialty Company, The. (See Osetkowski, Andrew A.)
Kroh, Myrtle M., doing business as C. Irving Kroh Co., Silver Run, Md. Canned vegetables and fruits. 229,182; May 18.
Laminated Shim Company, Inc., Long Island City, N. Y. Automobile radiator shutters. 224,461; May 18.
Langsdorf, S., & Co., Inc., New York, N. Y. Over-night cases, limousine cases, collar pouches, etc. 228,429; May 18.
La Reeta Mfg. Co., Chicago, Ill. Dandruff remover, hair restorer, hair grower, brilliantine, etc. 222,260; May 18.
Lawrence, Stanley O., doing business as General Mfg. Co., Chicago, Ill. Tuners, antenna couplers, transformers, and coils for radio systems. 229,446; May 18.
Legrand, Oriza L., Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, talcum powder, etc. 229,801; May 18.
Lerys, Inc., Long Island City, N. Y. Perfumes, toilet water, face powders, rouges, etc. 229,184; May 18.
Liberty Fountain & Gold Pen Co., New York, N. Y. Fountain and gold pens. 224,412; May 18.
Life Insurance Publishing Company, St. Louis, Mo. Title for a periodical publication. 228,323; May 18.
Linehan & Molo, Dubuque, Iowa. Coal. 228,856; May 18.
Lionel Trading Co. Inc., New York, N. Y. Perfumes. 173,514–15; May 18.
Lionel Trading Co. Inc., New York, N. Y. Perfumes, toilet waters, face lotions, creams, powders, rouges, and lip stick. 211,853; May 18.
Lite Soap Company. (See Brignall, Guy E.)
Lord Baltimore Filling Stations, Inc., Baltimore, Md. Motor oils and greases, auto oils and greases, etc. 222,856; May 18.
Loud Speaker Candy Co., Chicago, Ill. Candy. 227,313; May 18.
Louisiana Baking Corporation, Wilmington, Del., and New Orleans, La. Cake. 229,044; May 18.
Madison, Albert A., doing business as Madison Paint and Varnish Co., Los Angeles, Calif. Paint enamel, paint as dry, paste, or ready mixed of all kinds. 225,518; May 18.
Mann-Wood Co., Inc., The, New York, N. Y. Powder for cleaning and removing the shine from fabrics. 228,762; May 18.
Martin, Bruno, Saginaw, Mich. Chewing and snuff tobacco. 228,920; May 18.
Martin, Bruno, Saginaw, Mich. Salve. 228,921; May 18.
Martin, Bruno, Saginaw, Mich. Medicated snuff. 228,922; May 18.
May Department Stores Company, The, St. Louis, Mo. Radio receiving sets, storage batteries, B batteries, and radio loud speakers. 219,294; May 18.
May Department Stores Company, The, St. Louis, Mo. Hats. 229,241–2; May 18.
Mayer, M. E., Vienna, Austria. Razors and razor blades. 176,684; May 18.
McIlvain, William G., Philadelphia, Pa. Containers for salt, pepper, etc. 220,554; May 18.
McLaurin-Jones Co., Brookfield, Mass. Coated papers. 228,995; May 18.
McMyler Interstate Company, The, Bedford, Ohio. Cranes. 228,824; May 18.
Melville Shoe Corporation, New York, N. Y. Soles for shoes. 214,431; May 18.
Meyer, Wise & Kaichen Co., The, Cincinnati, Ohio. Bedding blankets. 226,203; May 18.
Midland Chemical Laboratories, Inc., The, Dubuque, Iowa. Preparation for wet cleaning. 227,242; May 18.
Miesse, John A., Co., Philadelphia, Pa. Face powders, creams, and packs, toilet waters, rouges, etc. 229,116; May 18.
Miller, H. H., Industries Company, The, Canton, Ohio. Dairy machinery. 210,129; May 18.
Milton, Michael, doing business as Milton Paper Company, New York, N. Y. Ledger paper, mimeograph paper, cards, bristol board, and cardboard. 228,924; May 18.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 211,284; May 18.
Mirror, The, New York, N. Y. Candy. 227,243; May 18.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Liquids, pastes, and powders, perfumeries, depilatories, etc. 227,464; May 18.
Moore, James A., doing business as Moore Mfg. Co., Wetumka and Tulsa, Okla. Ant exterminator. 229,977; May 18.
Mozzone, Maria R., doing business as Olympic Dry Ginger Ale Co., Seattle, Wash. Ginger ale and sirup for making the same. 226,594; May 18.
Muller, F. W., Sons, Arlington Heights, Ill. Ginger ale, root beer, plain carbonated water, etc. 227,667; May 18.
Muller & Sperling, New York, N. Y. Hosiery. 216,741; May 18.
Mushet, William E., doing business as W. E. Mushet Co., San Francisco, Calif. Pump valves. 226,495; May 18.
Narwood Bros., Brooklyn, N. Y. Gauze or cheesecloth in the piece. 192,723; May 18.
National Radio Stores. (See American Wireless Corporation.)
National Vaccine and Antitoxin Institute, Washington, D. C. Culture of lactobacilli for medicinal use. 229,750; May 18.
Newark Tortoise Shell Novelty Co., Newark, N. J. Hand mirrors and picture frames. 229,810; May 18.
Norwich Ice Cream Company, Inc., The, Norwich, N. Y. Crushed fruits for food-flavoring purposes. 178,059; May 18.
Noxage Cereal Company. (See Shriver, Elizabeth.)
Nu-Way Shoe Co., New York, N. Y. Shoes. 203,891; May 18.
Olympic Dry Ginger Ale Co. (See Mozzone, Maria R.)
Osetkowski, Andrew A., doing business as The Krakow Specialty Company, Detroit, Mich. Malt extract. 226,909; May 18.
Paradee, C., Works, The, Philadelphia, Pa. Pottery and faience. 229,524; May 18.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 228,440; May 18.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 228,772; May 18.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 229,250; May 18.
Patterson-Kelley Co., The, New York, N. Y. Water heater. 226,509; May 18.
Peak, Mrs. Mary, Merced, Calif. Vanishing cream, oily-hair tonic, tissue builder, liquid hair tonic. 229,461; May 18.
Pennzoil Company of California, The, Los Angeles, Calif. Lubricants. 188,061; May 18.
Peroxogen Company of America. (See Bookman, Rose N.)
Perry & Company, Limited, Birmingham, England. Metallic pens. 229,981; May 18.
Perry Laundry Machinery Co., Fairhaven, Mass. Clothes-washing machines. 217,046; May 18.
Pilot Electric Manufacturing Company, Inc., The, Brooklyn, N. Y. Condensers in radio reception devices. 228,932; May 18.
Planters Nut & Chocolate Company, The, Wilkes-Barre, Pa. Chocolate bars. 227,682; May 18.
Platt & Brahm Coal Company, Chicago, Ill. Coal. 229,052; May 18.
Popper Gray & Co., Inc., New York, N. Y. Swiss cheese. 220,317; May 18.
Porte & Cie., Paris, France. Rouge. 222,396; May 18.
Power City Baking Company, Hazleton, Pa. Bread. 225,315; May 18.
Practical Perfection Engineering Company, New York, N. Y. Radio apparatus. 227,907; May 18.
Prym, William, Company, Limited, The, Stolberg, Germany. Needles, pins, hooks and eyes, loops, etc. 226,318; May 18.
Purity Cross Laboratories, The. (See Fleming, Harold C.)
Purox Company, Denver, Colo. Oxygen, hydrogen, and acetylene gases. 223,545; May 18.
Pyraglass Products, Inc., Newburgh, N. Y. Advertising display signs and art panels and pictures. 228,561; May 18.
Reed Brothers, Inc., Tupelo, Miss. Work shirts. 227,473; May 18.
Reed Tobacco Company, Richmond, Va. Cigarettes. 229,003; May 18.
Renaud et Cie. of America, Boston, Mass. Perfume. 217,899; May 18.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, angle two-way plugs, angle three-way convenience taps, etc. 222,633; May 18.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, convenience taps, connecter plugs, etc. 228,564; May 18.
Richfield Oil Company, Los Angeles, Calif. Lubricating oils. 211,621–2; May 18.
Richfield Oil Company, Los Angeles, Calif. Flushing oil for motors. 212,203; May 18.
Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Nonalcoholic maltless beverages. 226,359; May 18.
Robinson Products Incorporated, Philadelphia, Pa. Switch plates, push-button plates, etc. 229,404; May 18.
Roche & Co., Limited, London, England. Matches. 229,056; May 18.
Roddenbery Bros., Cairo, Ga. Pure ribbon sugar-cane sirup for food purposes. 228,565; May 18.
Roessler & Hasslacher Chemical Company, The, New York, N. Y. Nonferrous alloys. 229,877; May 18.
Rotti Gesellschaft mit beschrankter Haftung, Munich, Germany. Hydrolytic product of animal albumen and animal organs flavored with meat extract. 221,031; May 18.
Rucker, Robert H., Blackwell, Okla. Crockery, earthenware, and porcelain. 227,419; May 18.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rucker, Robert H., Blackwell, Okla. Men's and boys' hats, caps, coats, collars, etc. 227,421; May 18.

Ry-Krisp Company, The, Minneapolis, Minn. Rye breakfast food. 229,007; May 18.

Sadinoff & Wendroff, Inc., New York, N. Y. Fringes, tassels, and trimmings. 227,139; May 18.

Saks & Company, New York, N. Y. Ladies' and misses' hats. 228,668; May 18.

San-Man Chocolates Company, Boston, Mass. Candy. 229,934; May 18.

Satisfaction Coffee Co., Pittsburgh, Pa. Tea and coffee. 229,825; May 18.

Satisfaction Coffee Co., Pittsburgh, Pa. Coffee. 229,827; May 18.

Scheel, Max, Brunsbuttelkoog, near Hamburg, Germany. Medical preparations. 228,142; May 18.

Schmidt, O. S., doing business as Crown Laboratories, San Francisco, Calif. Remedy for headache. 224,208; May 18.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vest, trousers, knickerbockers, topcoats, etc. 229,878; May 18.

Sherrill, Avery P., Scottsville, Va. Preparation for the treatment of asthma. 227,087; May 18.

Shriver, Elizabeth, doing business as Noxage Cereal Company, Spokane, Wash. Breakfast wheat cereal. 211,131; May 18.

Shur-On Standard Optical Company, Inc., Geneva, N. Y. Ophthalmic mountings. 229,593; May 18.

Siegel, Rothschild & Co., Baltimore, Md. Umbrellas. 227,755; May 18.

Sinclair Refining Company, New York, N. Y. Gasoline. 228,778; May 18.

Skinner Automotive Device Co., Inc., Detroit, Mich. Oil-rectifying systems for internal-combustion engines. 225,984; May 18.

Slater, S., & Sons, Inc., Webster, Mass. Cotton piece goods. 228,502; May 18.

Southern Properties, Inc., Dallas, Tex. Ice. 228,783; May 18.

Standard Diary Company, The, Cambridge, Mass. Diaries. 216,122; May 18.

Standard Oil Company of New York, New York, N. Y. Candles. 229,254; May 18.

Stephenson, Robert, Auburn, Mich. Blood, liver, stomach, kidney, and bowel tonic. 228,840; May 18.

Stockade Building System, Inc., New York, N. Y. Building blocks and reenforcing block clips. 229,065; May 18.

Stover Manufacturing & Engine Co., Freeport, Ill. Mops and handles therefor. 228,841; May 18.

Studdy, George E., London, England. Fountain pens, desk calendars, penwipers, inkstands, and paper weights. 223,059; May 18.

Superior Products Corporation, Elizabeth, N. J. Perfumes, toilet powders, face rouge, lip rouge, bath salts, etc. 228,786; May 18.

Sussfeld, Lorsch & Schimmel, New York, N. Y. Telescopes and field glasses. 229,410; May 18.

Swedish Iron & Steel Corporation, Brooklyn, N. Y. Steel and steel-alloy bars, billets, disks, rings, and tool-steel parts. 229,882; May 18.

Swift and Company, Chicago, Ill. Dried bones. 227,201; May 18.

Symons Bros. & Co., Saginaw, Mich. Spices, mincemeat, rice, tea, canned fruits and vegetables, etc. 226,261; May 18.

Tacoma Screen Door & Mfg. Corp., Tacoma, Wash. Toy building blocks and toy furniture. 212,160; May 18.

Tar Products Corporation, Providence and East Providence, R. I. Enamel coatings or paints, protective paint for dampproofing and roof coating. 211,307; May 18.

Tar Products Corporation, Providence and East Providence, R. I. Long-fiber asbestos, roof cement, etc. 212,216–18; May 18.

Taylor, Edwin, doing business as Taylor's Oratan Products Co., New York, N. Y. Nonalcoholic, maltless orange drink. 228,277; May 18.

Tec-Art Studios, Inc., New York, N. Y. Moving-picture films. 229,308; May 18.

Theune, John J., doing business as Badger Poultry Farm, Oostburg, Wis. Baby chicks. 228,842; May 18.

Thomas, S. B., Inc., Long Island City, N. Y. Bread. 226,313; May 18.

Thompson, Henry G., & Son Company, The, New Haven, Conn. Hack-saw blades. 228,728–9; May 18.

Thornton, R. J., & Co., Louisville, Ky. Cinnamon, cayenne pepper, mustard, etc. 220,981; May 18.

Three Mountain Coffee Corporation, San Jose, Costa Rica. Coffee. 229,418–20; May 18.

Toch Brothers, Incorporated, New York, N. Y. Coating for walls, etc. 228,580; May 18.

Toledo Tire Corporation, The, Toledo, Ohio. Automobile tire casings. 207,416; May 18.

Tredway, William H., doing business as Tred-way Motor Fuel Co., Detroit, Mich. Improver for gasoline and other liquid fuels. 219,094; May 18.

Trogg-Shaw Co., The, Youngstown, Ohio. Cream cheese, butter, eggs, and canned evaporated milk. 229,884; May 18.

Union Fountain Pen Co., New York, N. Y. Fountain pens. 229,651; May 18.

United Cheese Importers, Inc., New York, N. Y. Cheese. 229,012; May 18.

United Clay Products Company, The, Washington, D. C. Clay products. 227,485; May 18.

United Lubricant Company, The, Cleveland, Ohio. Lubricating oils and greases. 229,256; May 18.

U. S. Technical Products Company, New York, N. Y. Turpentine substitute. 225,151; May 18.

Victor Talking Machine Company, Camden, N. J. Talking machines and parts thereof. 230,068; May 18.

Vierebome, A. B., & Son, Lancaster, Ohio. Coffee, spices, prepared mustard, and catsup. 228,956; May 18.

Walls & Topham, Lindsay, Calif. Fruits and grapes. 223,828; May 18.

Wander, A., Ltd., London, England. Combination of cod-liver oil and malt extract in powder form. 213,209; May 18.

Washington Society Beauty Company. (See Berry, Charles T.)

Webster, Lydia, Jamaica, N. Y. Furniture polish. 224,850; May 18.

Weed, Mrs. Estelle J., doing business as E. J. Weed, Drayton Plaines and Walled Lake, Mich. Orange marmalade. 224,999; May 18.

Weinstein, Leon, doing business as Central Braiding Company, St. Louis, Mo. Boot and shoe laces. 222,490; May 18.

Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Livestock, dairy, and chicken feed. 227,049; May 18.

Wesley & Winter, Inc., Newark, N. J. Writing paper and mailing envelopes. 227,378; May 18.

West Coast Porcelain Manufacturers, Millbrae, Calif. Vessels and jars made of porcelain, glass, and earthenware. 228,074; May 18.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Hair nets. 229,887; May 18.

Whistle Bottling Co., Tacoma, Wash. Chocolate-flavored beverage. 227,704; May 18.

Whitney, Howard, Redlands, Calif. Fresh citrous fruit. 229,941; May 18.

Wiemann, Geo. F., Co., New York, N. Y. Coffee. 229,261; May 18.

Winters & Powell Canning Company, Inc., doing business as Winters-Powell Canning Co., Inc., Rushville, N. Y. Canned vegetables, berries, fruits, etc. 228,957; May 18.

Wood, George G., & Company, Inc., New York, N. Y. Coats, cloaks, wraps, and caps. 229,653; May 18.

Woolfolk, J. W., Company, Inc., The, Fort Valley, Ga. Sulphur. 229,942; May 18.

Worthy & Etheridge, Washington, N. C. Headache and pain remedy. 228,679; May 18.

Worton Corporation, Buffalo, N. Y. Candied castor oil. 229,425; May 18.

York Manufacturing Co. Inc., New York, N. Y. Cotton and silk and cotton piece goods. 228,955; May 18.

Zurcher Papierfabrik an der Sihl (Zurich Paper Mill on Sihl), Zurich, Switzerland. Drawing papers and tissue paper. 214,198; May 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Logan-Pocahontas Fuel Company. 213,147–8; May 18; Serial Nos. 224,464–5; published Feb. 16, 1926.

Foundry facings or blacking. J. S. McCormick Company. 51,845; renewed Apr. 24, 1926.

Foundry facings or blacking. J. S. McCormick Company. 51,892; renewed Apr. 24, 1926.

Leather, Sole. J. M. Delaney & Co. 51,829; renewed Apr. 24, 1926.

Leather, unwrought skins, furs, wool, and tallow. J. Kennon & Sons Proprietary Limited. 213,074; May 18; Serial No. 216,733; published Feb. 16, 1926.

Skins, Tanned or raw. W. Stevens. 213,117; May 18; Serial No. 224,484; published Feb. 16, 1926.

Tar and pitch. Barrett Manufacturing Company. 51,166; renewed Apr. 3, 1926.

Upholstery and bedding stuffing and filling materials. Boston Excelsior Company. 213,040; May 18; Serial No. 205,311; published Feb. 23, 1926.

CLASS 2.

Baths, Hird. A. Byers. 213,105; May 18; Serial No. 225,644; published Mar. 9, 1926.

Boxes, cartons, and containers, Pasteboard, cardboard. Sefton Manufacturing Corporation. 213,039; May 18; Serial No. 217,642; published Mar. 9, 1926.

Boxes, cartons, containers, Pasteboard, cardboard. Sefton Manufacturing Corporation. 213,055; May 18; Serial No. 217,641; published Mar. 9, 1926.

Pails, milk cans, bread boxes, etc. Lisk Manuf'g Co. Limited. 212,969; May 18; Serial No. 225,269; published Mar. 2, 1926.

Pails, milk cans, bread boxes, etc. Reed Manufacturing Co. 212,923; May 18; Serial No. 225,282; published Mar. 2, 1926.

Paper products. Ideal Cup Corporation. 212,935; May 18; Serial No. 224,605; published Mar. 2, 1926.

Receptacles for dispensing cream, milk, ice cream, and the like, Paper. Angel International Corporation. 213,081; May 18; Serial No. 225,582; published Mar. 9, 1926.

CLASS 3.

Harness. Babson Bros. 213,171; May 18.

CLASS 4.

Abrasives. Cloth or paper backed. Baeder Adamson Company. 212,871; May 18; Serial No. 218,591; published Feb. 23, 1926.

Buff wheels. Williamsville Buff Manufacturing Company. 212,933; May 18; Serial No. 225,154; published Mar. 2, 1926.

Cleaner, Dry. MacLean Drug Company. 213,000; May 18; Serial No. 222,621; published Feb. 23, 1926.

Cleaners, Hand. J. B. Williams Company. 213,096; May 18; Serial No. 225,498; published Mar. 9, 1926.

Cleaning fluids, Dry-. D. Blum & Co. 213,007; May 18; Serial No. 223,998; published Feb. 16, 1926.

Cleaning preparation, Household. Clegg & Rasmuson. 213,175; May 18.

Cleansers, Dry. C. L. Norris. 212,874; May 18; Serial No. 217,951; published Feb. 23, 1926.

Compounds for cleaning the hands and the like, shaving soap, laundry soap, etc. J. Martinat. 212,987; May 18; Serial No. 221,130; published Feb. 23, 1926.

Compounds for cleaning the hands and the like, shaving soap, laundry soap, etc. J. Martinat. 212,991; May 18; Serial No. 221,128; published Feb. 23, 1926.

Dressing, Belt. Wisconsin Increasing Power Company. 212,936; May 18; Serial No. 224,793; published Feb. 16, 1926.

Polish and leather cleaner, Shoe. North American Anolin Corporation. 213,097; May 18; Serial No. 225,519; published Mar. 9, 1926.

Polishes and cleaning materials. E. I. du Pont de Nemours and Company. 213,050; May 18; Serial No. 214,468; published Mar. 9, 1926.

Polishes, Shoe. It Shoe Polish Co. 213,045; May 18; Serial No. 226,248; published Mar. 9, 1926.

Polishing cloth, Treated metal-. S. Lewis. 212,917; May 18; Serial No. 224,411; published Feb. 23, 1926.

Polishing preparation for metals. Alsamo Manufacturing Co. 213,046; May 18; Serial No. 226,273; published Mar. 9, 1926.

Powder, Dental. Vernoy Chemical Company. 213,023; May 18; Serial No. 217,148; published Mar. 9, 1926.

Preparation for preserving leather, Liquid. Terry Sales and Manufacturing Company. 212,940; May 18; Serial No. 223,751; published Mar. 9, 1926.

Soap. Armand Company. 212,985; May 18; Serial No. 226,122; published Mar. 9, 1926.

Soap. Artesia Cream Company. 53,479; renewed June 5, 1926.

Soap. Feis & Co. 54,776; renewed July 31, 1926.

Soap. Feis & Company. 55,478; renewed Aug. 14, 1926.

Soap. Huntington Laboratories, Inc. 213,093; May 18; Serial No. 225,194; published Mar. 9, 1926.

Soap. James S. Kirk & Company. 212,913; May 18; Serial No. 223,044; published Feb. 23, 1926.

Soap. R. C. Sanford. 212,930; May 18; Serial No. 225,320; published Mar. 2, 1926.

Soap and soap powder. Fitzpatrick Bros. 212,877; May 18; Serial No. 211,586; published July 7, 1925.

Soap, Bath. Marshall Field & Company. 212,875; May 18; Serial No. 216,528; published Feb. 23, 1926.

Soap, Laundry. J. G. Haas Soap Co. 55,457; renewed Aug. 14, 1926.

Soap, Toilet. L. Don. 213,131; May 18; Serial No 222,733; published Mar. 9, 1926.

Soap, Toilet and shaving. Karlsruher Parfumerie- & Toiletteseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung. 212,986; May 18; Serial No. 226,217; published Mar. 9, 1926

Soaps. Joseph Gutradt Company. 212,928; May 18; Serial No. 225,227; published Mar. 2, 1926.

Soaps. Joseph Gutradt Company. 212,929; May 18; Serial No. 225,264; published Mar. 2, 1926.

Soaps, cleaning, scouring, and polishing wads, pads, etc. Brillo Manufacturing Company. 213,047; May 18; Serial No. 204,083; published Mar. 9, 1926.

Sweeping mixture, silver-polishing cream, and aluminum-polishing cream. N. Beer. 212,992; May 18; Serial No. 221,230; published Feb. 23, 1926.

Treated cloth for polishing automobiles and furniture. Mrs. J. Thomsen. 212,960; May 18; Serial No. 225,044; published Feb. 23, 1926.

CLASS 5.

Adhesives. Mid-Continental Products Company. 212,909; May 18; Serial No. 189,466; published Feb. 23, 1926.

Sizing and finishing of textile fibers, Materials suitable for the. H. A. Metz & Co. 53,750–1; renewed June 12, 1926.

CLASS 6.

Acid phosphate and a sirup of phosphates. Chas. H. Phillips Chemical Co. 51,493; renewed Apr. 17, 1926.

Cakes, Dyspepsia. H. A. C. Dahl. 50,714; renewed Mar. 27, 1926.

Chloride of lime. A. Mendleson's Sons. 54,675; renewed June 26, 1926.

Cod-liver-oil emulsion. Chas. H. Phillips Chemical Co. 55,600; renewed Aug. 21, 1926.

Compounds, Liquid purgative. California Fig Sirup Co. 54,322; renewed June 26, 1926.

Cream, cleansing cream, face powder and rouge, Cold. J. Baulmann. 212,964; May 18; Serial No. 209,269; published Mar. 2, 1926.

Derivatives of cinchona alkaloids. Vereinigte Chininfabriken Zimmer & Co. Ges. mit beschränkter Haftung. 55,723; renewed Aug. 21, 1926.

Dyestuffs and coloring matters. H. A. Metz & Co. 53,851–61; renewed June 12, 1926.

Dyestuffs and coloring matters. H. A. Metz & Co. 53,916–8; renewed June 12, 1926.

Hamamelis, Distillation of. Pond's Extract Company. 49,484; renewed Feb. 6, 1926.

Insecticides. I. E. Lanier. 212,931; May 18; Serial No. 225,667; published Feb. 23, 1926.

Liniment. E. S. Sloan. 54,295; renewed June 26, 1926.

Liquid used in the treatment of influenza, grippe, and severe colds. American Arlesheim Laboratories Inc. 212,867; May 18; Serial No. 220,698; published Feb. 23, 1926.

Lozenges. G. K. Bergen. 212,990; May 18; Serial No. 220,990; published Feb. 23, 1926.

Lye. Pennsylvania Salt Mfg. Co. 56,049; renewed Aug. 21, 1926.

Lye. Pennsylvania Salt Mfg. Co. 56,078; renewed Aug. 21, 1926.

Magnesia preparation, Liquid. Chas. H. Phillips Chemical Co. 52,772; renewed May 15, 1926.

Magnesia preparation, Liquid. Chas. H. Phillips Chemical Co. 55,598; renewed Aug. 21, 1926.

Medical compound. Pond's Extract Company. 51,090–1; renewed Apr. 3, 1926.

Medical compound. Pond's Extract Company. 51,093; renewed Apr. 3, 1926.

Medicinal compounds for the cure of catarrhal diseases and colds. Ely Brothers. 55,741; renewed Aug. 21, 1926.

Medicinal preparation used as a nerve sedative. Peacock Chemical Company. 51,534; renewed Apr. 17, 1926.

Medicinal saline preparation for human use. J. C. Eno, Limited. 212,878; May 18; Serial No. 222,065; published Mar. 2, 1926.

Medicine, Cough. J. T. Dubigg. 213,167; May 18.

Medicines. J. C. Fuller. 55,538; renewed Oct. 2, 1926.

Ointment for the treatment of piles. L. L. Bunnell. 212,899; May 18; Serial No. 214,942; published Aug. 25, 1925.

Ointments. Pond's Extract Company. 51,092; renewed Apr. 3, 1926.

Pills. J. Beecham. 54,158; renewed June 19, 1926.

Pills. J. Beecham. 54,241–2; renewed June 26, 1926.

Poultice plaster, Antiseptic adhesive. Bayles Distributing Co. 52,591; renewed May 15, 1926.

Powder, Face. Artesia Cream Company. 52,166; renewed May 1, 1926.

Preparations, Pharmaceutical. M. S. Valldejuli. 213,168; May 18.

Quinine preparation. Chas. H. Phillips Chemical Co. 55,590; renewed Aug. 21, 1926.

Remedies for certain named diseases. Dr. Richards Dyspepsia Tablet Association. 55,674; renewed Aug. 21, 1926.

Salve for the treatment of sore eyes. E. E. Sutherland Medicine Co. 54,073; renewed June 19, 1926.

Salve for the treatment of sore eyes. E. E. Sutherland Medicine Co. 54,275; renewed June 26, 1926.

Salves. Wonderful Dream Salve Company. 50,955; renewed Apr. 3, 1926.

Smoke distilled from wood, Liquid. E. H. Wright Company. 53,070; renewed May 22, 1926.

Tooth paste. Orphos Co. 212,989; May 18; Serial No. 220,914; published Feb. 23, 1926.

CLASS 12.

Barriers for electric conductors, apparatus slabs for partition walls, and bus and switch cell structures, doors, and covers. Deceleco, Inc. 213,107; May 18; Serial No. 224,695; published Feb. 16, 1926.

Building, roofing, and sheathing paper. Barrett Manufacturing Company. 50,846; renewed Apr. 3, 1926.

Cement. Bessemer Limestone and Cement Company. 213,150; May 18; Serial No. 224,172; published Feb. 16, 1926.

Cement or other porous material, Preparation for waterproofing. Permanent Waterproofing Co. 213,143; May 18; Serial No. 224,263; published Feb. 16, 1926.
Cement, Portland. Lehigh Portland Cement Company. 213,157; May 18; Serial No. 223,586; published Feb. 16, 1926.
Cement-surface hardener. Compound for use as a. Sullivan Company. 213,037; May 18; Serial No. 219,860; published Feb. 16, 1926.
Houses, Ready-cut. Lewis Manufacturing Co. 213,031; May 18; Serial No. 222,330; published Mar. 2, 1926.
Lath, Plaster. Buttonlath Manufacturing Co. 213,043; May 18; Serial No. 168,915; published Feb. 16, 1926.
Lime for building purposes. Connecticut Lime Co. 213,123; May 11; Serial No. 222,599; published Feb. 16, 1926.
Office partitions. Mount & Robertson. 55,359; renewed Aug. 14, 1926.
Pipe-jointing element for connecting sewer pipe. Pressitite Engineering Company. 213,153; May 18; Serial No. 223,941; published Feb. 23, 1926.
Plaster. Beaver Products Company. 213,041; May 18; Serial No. 205,732; published Feb. 23, 1926.
Roofing felt. Barrett Manufacturing Company. 51,437; renewed Apr. 17, 1926.
Roofing in rolls and flexible shingles, Flexible. Hyjo Co. 213,145; May 18; Serial No. 224,333; published Feb. 23, 1926.
Roofing material. Wenatchee Lumber Company. 213,149; May 18; Serial No. 224,167; published Mar. 2, 1926.
Roofing, Prepared. Northern Corrugating Company. 213,154; May 18; Serial No. 223,798; published Feb. 23, 1926.
Shingles, Asphalt. Tee-Lok Shingle Company. 213,163; May 18.
Stone products, Artificial-. Saffert Cement Construction Company. 213,042; May 18; Serial No. 206,543; published Mar. 2, 1926.
Tiles and tile door frames. Grueby Faience and Tile Company. 213,151; May 18; Serial No. 224,185; published Feb. 16, 1926.
Tiles, faience, and tile door frames. C. Pardee Works. 213,141; May 18; Serial No. 224,202; published Feb. 16, 1926.
Tiling. Del Monte Properties Company. 213,036; May 18; Serial No. 220,114; published Feb. 16, 1926.
Weather strips. Filardi Bros. 213,108; May 18; Serial No. 224,700; published Feb. 16, 1926.
Windows, including frames and sashes, Casement. Crittall Casement Window Company. 213,080; May 18; Serial No. 224,861; published Feb. 23, 1926.

CLASS 13.

Cylinders, metal casings, metal tubing, etc., Seamless hollow. Harrisburg Pipe & Pipe Bending Co. 213,009; May 18; Serial No. 224,246; published Mar. 2, 1926.
Rivets. Low Moor Company. 51,189; renewed Apr. 10, 1926.
Valves and parts thereof, Steam. Dri-Steam Valve Corporation. 212,972; May 18; Serial No. 225,598; published Mar. 2, 1926.

CLASS 14.

Hardware, Automobile body. Ternstedt Manufacturing Co. 213,173; May 18.
Iron bars, rods, sheets, plates, hooping, and tires. Low Moor Company. 51,242; renewed Apr. 10, 1926.
Steel. Crucible Steel Company of America. 53,624; renewed June 5, 1926.
Steel. Crucible Steel Company of America. 53,721; renewed June 12, 1926.
Steel. Crucible Steel Company of America. 54,003; renewed June 19, 1926.
Steel. Crucible Steel Company of America. 54,739; renewed June 26, 1926.
Steel. Crucible Steel Company of America. 55,064; renewed Aug. 21, 1926.
Steel. Crucible Steel Company of America. 56,033; renewed Aug. 21, 1926.
Steel. Howe Brown & Co. Ltd. 50,876; renewed Apr. 3, 1926.
Steel. Park Steel Company. 54,019; renewed June 19, 1926.
Steel. Park Steel Company. 54,361; renewed June 26, 1926.
Steel. Singer, Nimick & Co. Inc. 54,367; Renewed June 26, 1926.

CLASS 15.

Gasoline and lubricating oils. J. McDonnell. 213,158; May 18.
Oil, Lubricating. Cleanser Oil Company. 213,166; May 18.
Oils, Petroleum lubricating. Gulf Refining Company. 52,593; renewed May 15, 1926.

CLASS 16.

Colors, ready-mixed paints, varnishes, etc., Dry. Chicago White Lead & Oil Co. 213,071; May 18; Serial No. 204,996; published Jan. 27, 1925.
Enamel finish, lacquer, and varnish. "Arto" Manufacturing Company. 213,079; May 18; Serial No. 225,250; published Mar. 2, 1926.
Enamel, floor oil, and aluminum bronze, auto and furniture wax polish, etc., Tire. S. J. Dalzelle. 213,075; May 18; Serial No. 219,064; published Mar. 2, 1926.
Lacquers. Cleveland Varnish Company. 213,077; May 18; Serial No. 225,114; published Feb. 23, 1926.
Lamp and gas black. L. Martin Company. 55,089; renewed Aug. 7, 1826.
Paint in dry powder and in oil, Metallic. Prince M'f'g Co. 54,414; renewed June 26, 1926.
Paints and antifouling compositions. Everclean Antifoulings Limited. 213,070; May 18; Serial No. 193,511; published Sept. 15, 1925.

CLASS 17.

Cigarettes. Cavander's, Limited. 212,924; May 18; Serial No. 225,505; published Mar. 2, 1926.
Cigarettes. P. J. Livadary. 213,058; May 18; Serial No. 212,090; published Mar. 9, 1926.
Cigars. E. Goss & Company. 212,905; May 18; Serial No. 208,291; published Mar. 2, 1926.
Cigars. Schloss & Kahn Grocery Co. 212,870; May 18; Serial No. 218,669; published Mar. 2, 1926.

CLASS 19.

Automobile tops and side curtains. Perfect Fit Manufacturing Co. 213,121; May 18; Serial No. 223,323; published Feb. 23, 1926.
Automobile ventilator protectors. Protect-A-Vent Company. 213,066; May 18; Serial No. 223,544; published Feb. 16, 1926.
Automobiles and parts thereof. J. G. Sterling. 213,056; May 18; Serial No. 217,425; published Feb. 16, 1926.
Automobiles, Lubricating spring covers for. Wefco Company. 213,065; May 18; Serial No. 223,006; published Feb. 16, 1926.
Automotive vehicles and their component parts, Pierce-Arrow Motor Car Company. 213,068–9; May 18; Serial Nos. 223,407–8; published Feb. 16, 1926.
Car couplings, Vertical-plane. National Malleable Castings Company. 50,951; renewed Apr. 3, 1926.
Car couplings, Vertical-plane. National Malleable Castings Company. 52,916; renewed May 22, 1926.
Cycle saddles. J. B. Brooks and Company. 50,131; renewed Mar. 6, 1926.
Strap hangers, propellers, windshields, and portholé lights, Bakelite Corporation. 213,032; May 18; Serial No. 222,426; published Mar. 2, 1926.
Taxicabs. J. A. Hayes. 213,035; May 18; Serial No. 220,127; published Nov. 3, 1925.
Trailers. Nutting Truck Co. 213,112; May 18; Serial No. 224,470; published Feb. 16, 1926.
Vehicle springs. Service Spring Company. 213,160; May 18.
Vehicles and for the parts of such covers, Covers for the springs of automotive. Bassick Manufacturing Company. 213,152; May 18; Serial No. 223,896; published Feb. 23, 1926.
Vehicles, Bodies for motor. Superior Motor Coach Body Company. 213,156; May 18; Serial No. 223,556; published Mar. 2, 1926.
Vehicles, Rear-view mirrors for. Hide Leather & Belting Company. 213,113; May 18; Serial No. 224,970; published Feb. 23, 1926.
Ventilators for vehicles. J. H. Parsons. 213,146; May 18; Serial No. 224,350; published Mar. 2, 1926.

CLASS 20.

Rugs. R. H. Macy & Co. 212,951; May 18; Serial No. 213,181; published June 30, 1925.

CLASS 21.

Antennæ, Loop. English-Whitman Products. 212,945; May 18; Serial No. 222,978; published Mar. 2, 1926.
Electric accumulators and accumulator boxes. Walter Haddon. 212,897; May 18; Serial No. 216,597; published Mar. 2, 1926.
Electric-light sockets, Molded. Molded Socket Corporation. 212,944; May 18; Serial No. 223,250; published Mar. 2, 1926.
Flatirons, waffle molds, and tonsters, Electrically-heated. Bersted Manufacturing Company. 212,907; May 18; Serial No. 206,509; published Mar. 2, 1926.
Heaters, Electric air. Westinghouse Electric and Manufacturing Company. 212,894; May 18; Serial No. 219,214; published Mar. 2, 1926.
Radio antennæ. Federal Radio Company Limited. 212,937; May 18; Serial No. 224,239; published Mar. 2, 1926.
Radio apparatus. American Bosch Magneto Corporation. 212,893; May 18; Serial No. 219,569; published Mar. 2, 1926.
Radio control mechanism, Indicators, dials, knobs, pointers, etc. Kurz-Kasch Company. 212,943; May 18; Serial No. 223,585; published Mar. 2, 1926.
Radio loud speakers and phonograph adapter units. Airex Manufacturing Company. 212,879; May 18; Serial No. 221,656; published Mar. 2, 1926.
Radio receiving sets, Adapter units for. Radio Equipment Company. 212,892; May 18; Serial No. 219,645; published Mar. 2, 1926.
Radio receiving sets, loud speakers, etc. Reichmann Company. 212,095; May 18; Serial No. 217,962; published Mar. 2, 1926.

Tape, Friction. Boston Woven Hose & Rubber Company. 212,939; May 18; Serial No. 223,893; published Mar. 2, 1926.
Telephones, Soundproof mouthpiece for. M. Meyerson. 212,938; May 18; Serial No. 224,145; published Mar. 2, 1926.
Trolley-line materials, Electric. Electric Railway Equipment. 212,908; May 18; Serial No. 198,512; published Mar. 2, 1926.

CLASS 22.

Golf clubs. W. G. Oke. 213,057; May 18; Serial No. 212,196; published Mar. 16, 1926.
Rattles, Baby. Irwin & Co. 213,002; May 18; Serial No. 223,093; published Mar. 2, 1926.
Toys and blanks from which to form such toys. Ted Morton Co. 212,953; May 18; Serial No. 178,351; published June 16, 1925.
Wagons, cars, automobiles, etc., Juvenile iron, wood, and all-steel coaster and express. Gendron Wheel Co. 212,949; May 18; Serial No. 216,169; published Mar. 2, 1926.

CLASS 23.

Razors and razor blades. Kampfe Bros. 55,186; renewed Aug. 28, 1926.
Shears, Sheep and garden. Burgon & Ball, Limited. 55,114; renewed Aug. 7, 1926.
Trowels of all kinds. William Hunt & Sons, The Brades, Limited. 55,109–11; renewed Aug. 7, 1926.
Wrenches. Walworth M'f'g Co. 50,842; renewed Apr. 3, 1926.

CLASS 24.

Ironing machines. Utensils Company. 212,880; May 18; Serial No. 219,921; published Mar. 2, 1926.

CLASS 25.

Locks, keys, striker plates, Coach. Ternstedt Manufacturing Co. 213,177; May 18.

CLASS 27.

Watch movements and parts of watches. Guerrin, Bourquin & Cie. Fabrique d'Ebauches Aurore à Villeret. 212,881; May 18; Serial No. 221,315; published Mar. 2, 1926.
Watches. R. H. Macy & Co. 212,941–2; May 18; Serial Nos. 223,646–7; published Mar. 2, 1926.

CLASS 28.

Pearl necklaces. Trifari & Krussman, Inc. 212,934; May 18; Serial No. 224,307; published Mar. 2, 1926.

CLASS 29.

Toothbrushes. Plough Chemical Company. 212,927; May 18; Serial No. 208,311; published Mar. 2, 1926.
Toothbrushes. E. H. Scheifer. 213,162; May 18.

CLASS 32.

Mattresses. J. L. Radermacher. 51,197; renewed Apr. 10, 1926.
Tables. W. J. Maddox. 54,852; renewed July 31, 1926.

CLASS 34.

Boilers, Hot-water. John Trageser Steam Copper Works. 213,155; May 18; Serial No. 223,823; published Feb. 23, 1926.
Fireplaces and grates, Front wall attachment for. J. R. Fisk. 213,135; May 18; Serial No. 222,737; published Feb. 23, 1926.
Gas-generating plants and parts thereof. Albert Kreisa Gesellschaft m. b. H. 213,030; May 18; Serial No. 209,554; published Feb. 23, 1926.
Heat, Apparatus for the exchange of. La Mont Corporation. 213,076 May 18; Serial No. 224,770; published Feb. 23, 1926.
Stoves and ranges and repairs and parts therefor. Sill Stove Works. 51,623; renewed Apr. 17, 1926.
Stoves, ranges, attachments, parts, and repairs. Sill Stove Works. 55,408; renewed Aug. 14, 1926.
Stoves, ranges, gas stoves, and attachments and parts and repairs therefor. Sill Stove Works. 50,888; renewed Apr. 3, 1926.
Stoves, ranges, gas stoves, and attachments and parts and repairs therefor. Sill Stove Works. 50,912; renewed Apr. 3, 1926.

CLASS 35.

Clutch facings, brake linings, and bushings and washers, Bakelite Corporation. 212,896; May 18; Serial No. 216,814; published Feb. 2, 1926.
Packing for stuffing boxes and the like. R. Klinger. 50,978; renewed Apr. 3, 1926.
Rubber belting. Carolina Supply Company. 55,063; renewed Aug. 21, 1926.

CLASS 36.

Harmonicas, Mouth. Hohner, M., Inc. 212,901; May 18; Serial No. 214,249; published Mar. 2, 1926.
Musical instruments and supplies. Polly Portable Phonograph Co. 212,948; May 18; Serial No. 219,684; published Mar. 2, 1926.
Musical instruments, Reeds for wind. Simson & Frey, Inc. 212,947; May 18; Serial No. 222,284; published Mar. 2, 1926.
Phonographs. M. Waterson. 212,903; May 18; Serial No. 210,593; published Mar. 2, 1926.
Phonographs and parts thereof. Polly Portable Phonograph Co. 212,891; May 18; Serial No. 219,683; published Mar. 2, 1926.
Piano players, Mechanical. Acolian Company. 54,154; renewed June 19, 1926.
Pianos. Weber Piano Company. 51,459 · renewed Apr. 17, 1926.
Ukuleles. L. Nunes. 212,946; May 18; Serial No. 222,866; published Mar. 2, 1926.
Ukuleles, banjos, mandolins, guitars, and banjo ukuleles. Bruno, C., & Son, Inc. 212,898; May 18; Serial No. 216,587; published Mar. 2, 1926.
Violins, bows, strings, pegs, and parts of violins. Buegeleisen & Jacobson. 55,368; renewed Aug. 14, 1926.

CLASS 37.

Binders or files and hand punching devices. Modern Office Devices, Inc. 213,022; May 18; Serial No. 219,754; published Mar. 9, 1926.
Book covers, Telephone-. C. A. Crane. 213,140; May 18; Serial No. 226,478; published Mar. 9, 1926.
Book papers. Kimberly-Clark Company. 213,125; May 18; Serial No. 225,929; published Mar. 9, 1926.
Cards, Sample-display. H. L. Kalish. 213,137; May 18; Serial No. 226,428; published Mar. 9, 1926.
Crayons, Wax and chalk. Standard Crayon Manufacturing Co. 213,053; May 18; Serial No. 216,364; published Mar. 9, 1926.
Diaries. W. H. Lee. 52,038; renewed May 1, 1926.
Forms, Contract. T. R. Ferguson. 212,999; May 18; Serial No. 222,316; published Feb. 16, 1926.
Memorandum books, diaries, calendar pads, and calendar sheets. Bankers Printing Company. 213,124; May 18; Serial No. 225,991; published Mar. 9, 1926.
Paper, Adding-machine rolls of. U. S. Lace Paper Works Inc. 213,161; May 18.
Paper fabric adapted for skin-cleansing and cosmetic-removing purposes. Fort Howard Paper Company. 213,028; May 18; Serial No. 218,695; published Feb. 23, 1926.
Paper, lead pencils, blank books, etc., Printing, writing, and ledger. J. Dieux. 213,103; May 18; Serial No. 224,748; published Mar. 9, 1926.
Paper, Raisin-tray. Crown Willamette Paper Company. 213,054; May 18; Serial No. 217,134; published Mar. 9, 1926.
Paper, Toilet. J. E. Linde Paper Co. 212,922; May 18; Serial No. 225,230; published Feb. 16, 1926.
Paper, Toilet. Paper Service Co. 213,132; May 18; Serial No. 222,758; published Mar. 9, 1926.
Paper, tracing paper, tissue paper, etc., Thin and thick drawing. Zürcher Papierfabrik an der Sihl (Zurich Paper Mill on Sihl). 213,049; May 18; Serial No. 214,196; published Mar. 9, 1926.
Paper, Wall. Baeck Wall Paper Co. 213,138; May 18; Serial No. 226,466; published Mar. 9, 1926.
Paper, Wall. Robert Griffin Company. 213,094; May 18; Serial No. 225,319; published Mar. 9, 1926.
Paper, Wall. Janeway & Carpender, Inc. 213,092; May 18; Serial No. 225,016; published Mar. 9, 1926.
Paper, Wall. National Cloak & Suit Co. 213,091; May 18; Serial No. 224,924; published Mar. 9, 1926.
Paper, Wrapping. Crown Willamette Paper Company. 213,134; May 18; Serial No. 224,180; published Mar. 9, 1926.
Paper, Wrapping. Westfield River Paper Company. 213,095; May 18; Serial No. 225,390; published Mar. 9, 1926.
Paper, Writing. Sir Isaac Pitman & Sons, Limited. 53,156; renewed May 29, 1926.
Paper, Writing. Byron Weston Company. 213,130; May 18; Serial No. 226,227; published Mar. 9, 1926.
Paper, Writing. Byron Weston Company. 213,139; May 18; Serial No. 226,472; published Mar. 9, 1926.
Paper, Writing. Byron Weston Company. 213,142; May 18; Serial No. 226,537; published Mar. 9, 1926.
Pencils. Joseph Dixon Crucible Company. 212,959; May 18; Serial No. 224,975; published Feb. 16, 1926.
Pencils and pencil protectors, Lead. American Lead Pencil Company. 212,907; May 18; Serial No. 225,249; published Feb. 16, 1926.
Pencils, Lead. Eagle Pencil Company. 55,058–62; renewed Aug. 7, 1926.
Pencils, Lead. J. S. Staedtler, Inc. 212,961; May 18; Serial No. 225,059; published Feb. 16, 1926.
Pencils, Lead. J. S. Staedtler, Inc. 212,962; May 18; Serial No. 225,062; published Feb. 16, 1926.
Pencils, Lead. J. S. Staedtler, Inc. 212,963; May 18; Serial No. 225,060; published Feb. 16, 1926.
Pencils, Lead. J. S. Staedtler, Inc. 212,964; May 18; Serial No. 225,063; published Feb. 16, 1926.
Pens and penholders, Steel, fountain, stylographic. Perry & Company. 50,986; renewed Apr. 3, 1926.
Pens, Fountain. Postal Pen Company. 212,955; May 18; Serial No. 224,831; published Feb. 16, 1926.
Pens, Fountain. Transo-Tank Pen Company. 212,956; May 18; Serial No. 224,845; published Feb. 16, 1926.

Pens, pen barrels, penholders, paper weights, etc., Fountain. Bakelite Corporation. 213,129; May 18; Serial No. 222,431; published Feb. 23, 1926.
Writing pads, memorandums and account books, diaries, Pencil and ink. Plee-Zing Corporation. 213,052; May 18; Serial No. 215,478; published Feb. 23, 1926.

CLASS 38.

Book for automotive distributors, jobbers, etc., Classified buyer's guide and reference. Chilton Class Journal Company. 213,014; May 18; Serial No. 224,805; published Feb. 23, 1926.
Books. W. H. Lee. 49,528; renewed Feb. 6, 1926.
Books of plans and specifications for buildings. Baby Grand Apartments Company. 212,965; May 18; Serial No. 225,159; published Feb. 23, 1926.
Books, pamphlets, and circulars, Printed. American Federation of Labor. 213,098; May 18; Serial No. 225,537; published Mar. 9, 1926.
Books, Printed. John Rudin & Company. 212,997; May 18; Serial No. 222,193; published Feb. 23, 1926.
Cards, Lithographed and printed display. Hinson-Freeman Co. 212,950; May 18; Serial No. 215,334; published Feb. 23, 1926.
Cartoons, Series of. Bell Syndicate, Inc. 213,008; May 18; Serial No. 224,074; published Feb. 23, 1926.
Charts and booklets. G. G. Beckhardt. 213,025; May 18; Serial No. 217,537; published Mar. 9, 1926.
Folders, Cloth-identification. Watch Dog Identification Devices. 213,026; May 18; Serial No. 217,972; published Mar. 9, 1926.
House organ. Enterprise Oil Company. 212,971; May 18; Serial No. 225,403; published Feb. 23, 1926.
House organ and periodical. Superior Portland Cement Company. 212,904; May 18; Serial No. 221,645; published Feb. 16, 1926.
Labels and tags. Willson Spielmann Label Co. 213,027; May 18; Serial No. 218,229; published Mar. 9, 1926.
Lesson sheets, pamphlets, and booklets. C. Lewis. 213,019; May 18; Serial No. 219,076; published Mar. 9, 1926.
Letters, booklets, folders, broadsides, and leaflets, Form. Kier Letter Company. 212,996; May 18; Serial No. 222,126; published Feb. 23, 1926.
Magazine, Name and title of a monthly. W. W. Hubbard. 213,133; May 18; Serial No. 223,242; published Mar. 9, 1926.
Magazines, Monthly. M. C. Cohn. 213,011; May 18; Serial No. 224,375; published Feb. 23, 1926.
Magazines, Monthly. E. R. Kauffman. 213,128; May 18; Serial No. 221,902; published Mar. 9, 1926.
Magazines, Quarterly. American Farming Publishing Company. 213,006; May 18; Serial No. 223,758; published Feb. 23, 1926.
Newspaper section. S. Harbaugh. 212,973; May 18; Serial No. 225,607; published Feb. 23, 1926.
Newspaper section. New York Evening Journal, Inc. 213,012; May 18; Serial No. 224,718; published Feb. 23, 1926.
Newspapers, Columns in. M. F. Judell. 213,004; May 18; Ser. No. 223,477; published Feb. 23, 1926.
Periodical. J. Adelman. 212,981; May 18; Serial No. 225,905; published Feb. 23, 1926.
Periodical. Master Plasterers Association of San Francisco. 212,693; May 18; Serial No. 221,265; published Feb. 23, 1926.
Periodical, Monthly. Progressive Merchants Bureau. 213,021; May 18; Serial No. 219,260; published Mar. 9, 1926.
Periodical published monthly. Better Business Bureau of New York City, Incorporated. 212,958; May 18; Serial No. 224,945; published Feb. 23, 1926.
Periodical published monthly. Chilton Class Journal Company. 213,015; May 18; Serial No. 224,804; published Feb. 23, 1926.
Periodical published monthly. Chilton Class Journal Company. 213,016; May 18; Serial No. 224,806; published Feb. 23, 1926.
Periodical published monthly. Chilton Class Journal Company. 213,104; May 18; Serial No. 224,807; published Mar. 9, 1926.
Publication, Annual. Scientific American Publishing Co. 212,970; May 18; Serial No. 225,321; published Feb. 23, 1926.
Publication, Bimonthly. N. Pines. 212,869; May 18; Serial No. 220,463; published Feb. 23, 1926.
Publication, Monthly. Bob Edwards Publishing Co. 212,985; May 18; Serial No. 225,949; published Feb. 23, 1926.
Publication, Monthly printed. American Wholesale Grocers' Association. 213,020; May 18; Serial No. 219,103; published Mar. 9, 1926.
Publication, Periodical. W. D. Self. 212,974; May 18; Serial No. 225,681; published Feb. 23, 1926.
Publication, Weekly. Homestead Company. 212,966; May 18; Serial No. 225,191; published Feb. 23, 1926.
Publications, Nom de plume for special articles appearing in various. C. E. Lang. 212,952; May 18; Serial No. 206,317; published Feb. 23, 1926.
Publications, Title for special articles appearing in various. C. E. Lang. 212,926; May 18; Serial No. 206,316; published Feb. 23, 1926.
Signs, Display. Young & McCallister, Inc. 213,018; May 18; Serial No. 219,020; published Mar. 9, 1926.

CLASS 39.

Boots, shoes, slippers, and ties. Kaplan & Goldsoll. 55,041; renewed Aug. 7, 1926.
Coats, overcoats, pants, and vests. Oehm & Co. 52,159; renewed May 1, 1926.
Coats, vests, trousers, and overcoats. B. Kuppenheimer & Co. 213,051; May 18; Serial No. 214,486; published Nov. 10, 1925.
Hats. Danbury Hat Company. 51,124; renewed Apr. 3, 1926.
Hats and caps. John B. Stetson Company. 51,990; renewed May 1, 1926.
Hosiery. Slotin & Co. 213,172; May 18.
Hosiery, Men's. New Process Company. 213,178; May 18.
Shirts. Cutter & Crossette. 55,586; renewed Aug. 14, 1926.

CLASS 40.

Braid, Narrow elastic. Rhode Island Web Company. 213,102; May 18; Serial No. 224,673; published Mar. 2, 1926.
Elastic. I. Goldberg. 213,127; May 18; Serial No. 221,815; published Mar. 2, 1926.
Fasteners for footwear, leggings, and gaiters, Metal. C. D. Nixon. 212,885; May 18; Serial No. 208,005; published Mar. 2, 1926.
Fringes (textile). American Fringe Mills, Inc. 212,957; May 18; Serial No. 224,856; published Mar. 2, 1926.
Garment-supporter clasps. Hirsh Brothers. 50,327; renewed Mar. 13, 1926.
Hair goods. Western Hair Goods Company. 213,165; May 18.
Hooks and eyes. De Long Hook & Eye Company. 51,282–3; renewed Apr. 10, 1926.
Shoe laces, shoe ribbons, and shoe buckles. Pedox Produx, Inc. 213,024; May 18; Serial No. 217,289; published Mar. 2, 1926.

CLASS 41.

Umbrellas and parasols. C. H. Namendorf. 45,492; renewed Aug. 22, 1925.

CLASS 42.

Cloths and stuffs of wool, worsted, or hair. Edward Ripley & Son, Limited. 54,823; renewed July 31, 1926.
Cotton and cotton and artificial-silk piece goods. Mills & Gibb Corp. 212,888; May 18; Serial No. 219,131; published Mar. 2, 1926.
Draperies, hangings, and woven fabrics. H. B. Wiggin's Sons Company. 55,129; renewed Aug. 7, 1926.
Sateens and venetians, being cotton piece goods. Bradford Dyers' Association, Limited. 213,001; May 18; Serial No. 223,079; published Mar. 2, 1926.
Sateens, Cotton. Bradford Dyers' Association. 55,968; renewed Aug. 21, 1926.
Silk woven cloth in the piece, All-. B. Edmund David, Inc. 213,048; May 18; Serial No. 208,700; published Mar. 2, 1926.

CLASS 43.

Cotton and thread, spool. American Thread Company. 54,861; renewed July 31, 1926.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 54,863; renewed July 31, 1926.

CLASS 44.

Atomizers, Perfumery. Franklin Simon & Co. 213,174; May 18.
Lamps, Therapeutic. Burdick Cabinet Company. 213,078; May 18; Serial No. 225,170; published Feb. 16, 1926.

CLASS 45.

Beverage sold as a soft drink and extracts and sirups for making the same, Maltless. A. Kanner. 212,866; May 18; Serial No. 220,783; published Mar. 2, 1926.
Beverages and the sirups for making the same, Non-alcoholic, maltless, carbonated. Taylor-Long Company. 213,144; May 18; Serial No. 224,304; published Mar. 9, 1926.
Beverages composed of fruit juices and carbonated water. A. F. Armstrong. 213,119; May 18; Serial No. 224,643; published Mar. 9, 1926.
Beverages, etc., Grape, peach, lemon, etc., flavored. J. C. Mayfield. 213,044; May 18; Serial No. 192,919; published Mar. 9, 1926.
Drinks, Flavorings and coloring for. J. F. Lazier Manufacturing Co. 213,029; May 18; Serial 208,351; published Mar. 9, 1926.
Grape juice. Italian-Swiss Colony. 213,106; May 18; Serial No. 224,662; published Mar. 16, 1926.

CLASS 46.

Antipasto. Fratelli Garosci di Glo. 213,130; May 18; Serial No. 222,671; published Mar. 2, 1926.
Apples as a natural edible fruit. H. Button. 213,115; May 18; Serial No. 225,587; published Mar. 9, 1926.
Apples, Fresh. A. E. Ferguson. 212,902; May 18; Serial No. 212,547; published Mar. 2, 1926.
Artichokes, Hearts of fresh. Davenport Canning Co. 213,101; May 18; Serial No. 219,111; published Mar. 9, 1926.
Butter, eggs, and cheese. Fred L. Hilmer Company. 212,995; May 18; Serial No. 221,664; published Mar. 2, 1926.

Butter, eggs, vanilla extract, Russian and mayonnaise dressing. J. N. Adam & Co. 212,925; May 18; Serial No. 206,503; published Aug. 4, 1925.
Candies, Chocolates. San-Man Chocolates Co. 212,982; May 18; Serial No. 225,941; published Mar. 2, 1926.
Candies, Cream. Klibbe Brothers Company. 213,033; May 18; Serial No. 221,621; published Mar. 9, 1926.
Candy. Bradley, Smith Co. 212,932; May 18; Serial No. 225,911; published Mar. 2, 1926.
Candy. Liberty Candy Co. 213,010; May 18; Serial No. 224,252; published Mar. 2, 1926.
Candy. National Mint Company. 213,013; May 18; Serial No. 224,777; published Feb. 16, 1926.
Candy, Powell's. 213,110; May 18; Serial No. 224,722; published Mar. 9, 1926.
Candy. Vogan Candy Company. 212,883; May 18; Serial No. 215,110; published July 14, 1925.
Candy and chewing gum. C. H. Flint. 213,111; May 18; Serial No. 224,908; published Mar. 9, 1926.
Candy bar. Shotwell Mfg. Co. 212,976–8; May 18; Serial Nos. 225,808–10; upblished Mar. 2, 1926.
Candy bars. American Beverage & Candy Co. 212,906; May 18; Serial No. 207,164; published Mar. 2, 1926.
Candy, Chocolate. Bishop & Company. 212,868; May 18; Serial No. 220,593; published Mar. 2, 1926.
Canned lobsters. Burnham & Morrill Co. 52,289; renewed May 8, 1926.
Canned salmon. Alaska Consolidated Canneries, Inc. 213,100; May 18; Serial No. 217,318; published Mar. 9, 1926.
Canned sardines. William Underwood Company. 50,406; renewed Mar. 13, 1926.
Canned sardines. William Underwood Company. 50,494; renewed Mar. 20, 1926.
Canned vegetables. Bloomington Canning Co. 54,915; renewed Aug. 7, 1926.
Canned vegetables and fruits, olives, peanut butter, etc. Manhattan Wholesale Grocery Company. 212,914; May 18; Serial No. 219,293; published Mar. 2, 1926.
Canned vegetables, canned fruits, canned fish, catchup, fruit preserves, etc. Jaburg Bros. Inc. 212,884; May 18; Serial No. 214,323; published Mar. 2, 1926.
Cheese, Cottage. H. C. Christians Co. 213,109; May 18.
Chili sauce. J. C. Mullins & Co. 213,122; May 18; Serial No. 204,042; published Feb. 17, 1925.
Chocolate, Shredded. Rockwood & Co. 212,984; May 18; Serial No. 225,979; published Mar. 2, 1926.
Chocolates molded in fancy shapes, Eating. Geo. Haas & Sons. 213,084; May 18; Serial No. 183,337; published Mar. 9, 1926.
Cocoa and chocolate, Preparations of. Chas. H. Phillips Chemical Co. 54,423; renewed June 26, 1926.
Cocoa, chocolate, broma, and cocoa preparations. Walter Baker & Company, Ltd. 55,841; renewed Aug. 21, 1926.
Coffee. Hoffmann-Hayman Coffee Company. 212,968; May 18; Serial No. 225,262; published Mar. 2, 1926.
Coffee and tea. E. B. Millar & Company. 212,975; May 18; Serial No. 225,795; published Mar. 2, 1926.
Egg noodles and macaroni. C. F. Mueller Co. 50,606; renewed Mar. 27, 1926.
Extracts, Flavoring. Crescent Manufacturing Company. 212,919; May 18; Serial No. 224,860; published Mar. 2, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,889; May 18; Serial No. 224,387; published Mar. 2, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,890; May 18; Serial No. 224,383; published Mar. 2, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,915; May 18; Serial No. 224,388; published Mar. 2, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,916; May 18; Serial No. 224,391; published Mar. 2, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,918; May 18; Serial No. 224,506; published Mar. 2, 1926.
Fish. Maritime Fish Corporation, Limited. 213,126; May 18; Serial No. 220,550; published Mar. 2, 1926.
Flavoring compounds, Food. Citrus Products Co. 212,910; May 18; Serial No. 189,388; published May 6, 1924.
Flour composed of oats and wheat. C. E. Taylor. 212,876; May 18; Serial No. 217,054; published Mar. 2, 1926.
Flour, Rye. Weyauwega Milling Company. 213,164; May 18.
Flour, Self-rising. H-O (Hornbys Oatmeal) Company. 55,818; renewed Aug. 21, 1926.
Flour, Wheat. Kansas Flour Mills Company. 213,005; May 18; Serial No. 223,478; published Feb. 23, 1926.
Flour, Wheat. Northwestern Consolidated Milling Company. 50,463; renewed Sept. 25, 1926.
Food, Breakfast. S. H. Perky. 212,954; May 18; Serial No. 212,397; published Mar. 2, 1926.
Food for stock. Molassine Company, Ld. 55,827; renewed Aug. 21, 1926.
Food, Prepared. Kellogg Company. 212,886; May 18; Serial No. 206,670; published Mar. 2, 1926.
Food, Stock. Molassine Company. 52,982; renewed May 22, 1926.
Fruit cake, potato chips, angel food, etc. L. Simon. 212,920; May 18; Serial No. 224,882; published Mar. 2, 1926.

Fruit juices and fruit pectin for jellies, Concentrated. G. Z. Walt. 213,116; May 18; Serial No. 226,391; published Mar. 9, 1926.
Fruits and fresh vegetables, Fresh deciduous and citrous. Denney & Co. 213,072; May 18; Serial No. 214,403; published Mar. 9, 1926.
Fruits, Fresh citrous. Walls & Topham. 213,067; May 18; Serial No. 223,670; published Mar. 9, 1926.
Fruits, fresh deciduous. M. R. Dean. 212,900; May 18; Serial No. 214,534; published Mar. 2, 1926.
Ginger, stem ginger, preserved kumquats, etc., Crystallized. E. C. Rich, Inc. 212,979; May 18; Serial No. 225,844; published Mar. 2, 1926.
Ginger, stem ginger, preserved kumquats, etc., Crystallized. E. C. Rich, Inc. 212,980; May 18; Serial No. 225,846; published Mar. 2, 1926.
Grapes, Fresh. John Aquino, Inc. 213,090; May 18; Serial No. 216,576; published Mar. 9, 1926.
Grapes, Fresh. G. M. Kasparian. 213,073; May 18; Serial No. 215,695; published Mar. 9, 1926.
Grapes, Fresh. Ultra Fruit Association. 213,034; May 18; Serial No. 213,034; published Mar. 9, 1926.
Grapes, Fresh. Ultra Fruit Association. 213,059; May 18; Serial No. 221,293; published Mar. 9, 1926.
Ham, picnics, bacon, etc. Rath Packing Company. 213,085; May 18; Serial No. 204,473; published Mar. 9, 1926.
Hams. E. Godel & Sons. 55,978; renewed Aug. 21, 1926.
Ice creams and sherbets. Pangburn Company. 212,887; May 18; Serial No. 218,271; published Mar. 2, 1926.
Jelly base. Porto-O, Inc. 213,176; May 18.
Lard and lard compound. Cudahy Packing Company. 49,170; renewed Jan. 23, 1926.
Macaroni, tomato paste, canned tomatoes, canned fruits, etc. J. Di Santo. 212,882; May 18; Serial No. 216,155; published Mar. 2, 1926.
Malt sirup. Koffman & Blumenau. 213,089; May 18; Serial No. 216,546; published Oct. 13, 1925.
Malt sirup used for food purposes. P. Ballantine and Sons. 213,159; May 18.
Marmalade. J. E. See. 213,114; May 18; Serial No. 225,145; published Mar. 9, 1926.
Meats, Smoked and pickled. F. A. Ferris & Company. 54,894; renewed July 31, 1926.
Mustard and chowchow sauce, Prepared. Charles Gulden, Inc. 213,003; May 18; Serial No. 223,438; published Mar. 2, 1926.
Nuts, Pistachio. Norian Trading Co. 213,086; May 18. Serial No. 211,864; published Mar. 9, 1926.
Oleomargarine. Swift and Company. 55,958; renewed Aug. 21, 1926.
Oranges, lemons, and grapefruit. C. D. Hubbard Fruit Co. 212,998; May 18; Serial No. 222,251; published Mar. 2, 1926.
Oranges, lemons, and grapefruit. C. D. Hubbard Fruit Co. 213,060; May 18; Serial No. 222,254; published Mar. 9, 1926.
Oranges, lemons, and grapefruit. A. M. Pratt; 212,872; May 18; Serial No. 220,800; published Mar. 2, 1926.
Oranges, lemons, and grapefruit. A. M. Pratt. 212,988; May 18; Serial No. 220,802; published Mar. 2, 1926.
Oranges, lemons, and grapefruit. Santiago Orange Growers Association. 213,017; May 18; Serial No. 219,849; published Mar. 2, 1926.
Oranges, lemons, and grapefruit. Ventura Citrous Association. 213,061; May 18; Serial No. 222,294; published Mar. 9, 1926.
Oranges, lemons, and grapefruit. Ventura Citrus Association. 213,062–3; May 18; Serial Nos. 222,295–6; published Mar. 9, 1926.
Oranges, lemons, grapefruit. Klink Citrus Association. 213,099; May 18; Serial No. 216,915; published Mar. 9, 1926.
Pickles. Squire Dingee Company. 55,837; renewed Aug. 21, 1926.
Pickles, mustard, mayonnaise, etc., Sour and sweet. H. E. Whitaker Co. 213,170; May 18.
Salad dressing and sauces. E. R. Durkee & Co. 55,239; renewed Aug. 7, 1926.
Sandwiches. C. V. Cowan. 212,873; May 18; Serial No. 218,002; published Mar. 2, 1926.
Sandwiches, Confectionery. R. L. Link. 213,064; May 18; Serial No. 222,986; published Feb. 23, 1926.
Sirup blended with corn sirup, Sorghum. W. B. Roddenbery. 213,120; May 18; Serial No. 223,415; published Feb. 23, 1926.
Spices. E. R. Durkee & Co. 53,095; renewed May 29, 1926.
Spices and mustard. E. R. Durkee & Co. 52,296; renewed May 8, 1926.
Wheat, Cooked and flaked. "Force" Food Company. 55,816; renewed Aug. 21, 1926.

CLASS 48.

Beer. Robert Porter & Co. 55,273; renewed Aug. 14, 1926.
Beer, Lager. Olympia Brewing Company. 51,997; May 18.
Beer, Lager. William Peter Br'g. Co. 51,693; renewed Apr. 24, 1926.
Extracts, Food-flavoring. Frank E. Harris Co. 212,911–2; May 18; Serial Nos. 224,381–2; published Mar. 2, 1926.

Malt sirup, Nonalcoholic. F. J. Reysz. 212,921; May 18; Serial No. 225,055; published Mar. 2, 1926.

CLASS 49.

Brandy. Jas. Hennessey & Co. 54,446; renewed June 26, 1926.
Gin. Red Star Yeast and Products Co. 213,082; May 18; Serial No. 226,162; published Mar. 9, 1926.
Whisky. Philip Blum & Company, Incorporated. 213,083; May 18; Serial No. 226,601; published Mar. 9, 1926.
Whisky. F. C. Renziehausen. 52,184; renewed May 1, 1926.

CLASS 50.

Blackboards. Beckley-Cardy Company. 213,088; May 18; Serial No. 215,115; published Feb. 16, 1926.
Leather cloth. Nobel Industries, Limited. 213,109; May 18; Serial No. 223,861; published Feb. 16, 1926.
Mattress-protecting shield, Sanitary. H. A. Copeland. 213,118; May 18; Serial No. 224,500; published Feb. 16, 1926.
Tents. M. L. Vanderherchen. 213,087; May 18; Serial No. 212,519; published Feb. 16, 1926.
Textile material, Coated. C. R. Whiting Co. 213,038; May 18; Serial No. 219,157; published Feb. 16, 1926.

ALPHABETICAL LIST OF LABELS.

A One Brew. For Nonalcoholic Beverages. Sierra Club Beverage Company. 30,359; May 18.
Asthmador. For Medicine for the Treatment of Asthma, Hay Fever, Croup, and Certain Other Diseases. R. Schiffmann Company. 30,352; May 18.
Bohemian Better Brew, Creme De Malt. For Malt Extract. S. A. Kircher. 30,348; May 18.
Carroll's Gold and Seal Capsules for The Stomach. For Capsules. J. M. Carroll. 30,340; May 18.
Cleve-O Club. For Ginger Ale, Electura Water and Beverage Company. 30,342; May 18.
Encens des Fleurs. For Incense. Zefume, Inc. 30,371; May 18.
Encense de Vie. For Incense. Zefume, Inc. 30,372; May 18.
Ever-Ready. For Pineapple. Ever-Ready Food Products Company. 30,344; May 18.
G. L. D. Hair Tonic. For Hair Tonic. Mrs. G. E. Paull. 30,351; May 18.
Hamilton's. For Candy. John D. Hamilton Company. 30,346; May 18.
Hav-A-Bite. For Candy. Elite Candy Mfg. Co. 30,343; May 18.
High Life. For Ginger Ale. H. C. Schranck Company. 30,354; May 18.
Hi-Lo Pencil Tablet. For Tablets. Tayloe Paper Company. 30,361; May 18.
Junker's 100% Pure Whole-Wheat Bread. For Bread. Jules Junker, Inc. 30,347; May 18.
Monarch. For Bread. Midland Bakeries Company. 30,349; May 18.
Oh-Boy! Apples. For Apples. L. N. Dunham. 30,341; Old Heidelberg. For Cereal Malt Beverage. Val. Blatz Brewing Company. 30,368; May 18.
Olympia. For Canned Pears. Olympia Canning Co. 30,350; May 18.
Prosit. For Cereal Malt Beverage. Val. Blatz Brewing Company. 30,369; May 18.
Red Clover. For Dairy Feed. E. R. Schooley. 30,353; May 18.
Re-Stors-It Top Dressing. For Top Dressing. C. E. Sherman. 30,356; May 18.
Seely's Self Rising. For Buckwheat Flour. S. Alfred Seely Co. 30,355; May 18.
Shorr's Crystal Mixture. For Shorr's Crystal Mixture Tablets a Medicinal Preparation. L. M. Shorr. 30,357; May 18.
Shredded Wheat. For Shredded Wheat. Shredded Wheat Company. 30,358; May 18.
Star Brand. For Olive Oil. A. Giuliani & Bro. 30,345; May 18.
Stove Klenz. For a Preparation for Cleaning Porcelain-Enamel Stoves. W. H. Tebo. 30,362; May 18.
T. N. T. The Nockout Tablet. For Tablets. Tayloe Paper Company. 30,360; May 18.
The New Petite Gainsborough Hair Net. For Hair Nets. Western Bottle Manufacturing Company. 30,370; May 18.
Three Mountain. For Coffee. Three Mountain Coffee Corporation. 30,364; May 18.
United. For Canned Corn. United Wholesale Grocery Co. 30,367; May 18.
United. For Canned Peaches. United Wholesale Grocery Co. 30,365; May 18.
United. For Canned Salmon. United Wholesale Grocery Co. 30,366; May 18.
White Seal Soda. For Baking Soda. P. C. Tomson & Co. 30,363; May 18.
"X"-It. For Eczema Remedy. King Brady. 30,339; May 18.

ALPHABETICAL LIST OF PRINTS.

A Cigarette Made With P. A. Burns Better. For a Smoking Tobacco. R. J. Reynolds Tobacco Campany. 8,806; May 18.
After The Dance . . . A Pipe And P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,814; May 18.
A Word To The Wives. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,834; May 18.
Decorate Yourself With The Degree of P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,816; May 18.
Does He Smoke A Pipe? For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,791; May 18.
'Everything's Jake' When You Smoke P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,804; May 18.
For The Matchless Comfort. For Athletic Underwear. B. V. D. Company. 8,779; May 18.
Give Me a Pipe . . . And P. A! For Tobacco. R. J. Reynolds Tobacco Company. 8,805; May 18.
Give Me a Pipe And Prince Albert. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,818; May 18.
How Will You Drive Your Comfort? For Athletic Underwear. B. V. D. Company. 8,780; May 18.
I Hope To Tell You! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,833; May 18.
Instant Postum. For a Beverage. Postum Cereal Company. 8,783; May 18.
I've Got Mine, Boys! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,810; May 18.
Like Sunshine After Rain. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,832; May 18.
Mild as Indain Summer. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,809; May 18.
My Beau-Ideal Band Bow. Appears Hand-Tied. For Men's Band Bow Ties. H. & M. Neckwear Company. 8,782; May 18.
No More Teeth Than a Hen. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,789; May 18.
No Other Tobacco Is Like P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,823; May 18.
Old Pipe, We're Pals For Keeps. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,822; May 18.
P. A. Is So Cool Under Fire. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,794; May 18.
P. A. Put a Padlock On Tongue-Torture. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,831; May 18.
P. A. Sure Makes a Grand Cigarette! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,807; May 18.
P. A. Throws Pipe—Peeves For a Loss. 48 P 1926. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,799; May 18.
P. A. Throws Pipe—Peeves For a Loss. 48 Z 1926. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,800; May 18.
Pick a Pipe and Pack It With Good Old P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,802; May 18.
Play This Hunch and You Can't Lose. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,785; May 18.
Quality—And Nothing Else But! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,808; May 18.
Reg'lar Fellers. For Shoes. Royal Shoe Stores, Inc. 8,836; May 18.
That 'Pay-Day Smile' When You Smoke P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,828; May 18.
The Makin's of a Man. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,788; May 18.
The Man Who 'Couldn't Smoke A Pipe' Is Now A P. A. Fan! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,790; May 18.
The New Coleman Lantern. For Lanterns. Coleman Lamp Company. 8,781; May 18.

The World's O. K. When You Smoke P. A. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,820; May 18.
Tie a Can To Trouble 48 E 1926. For a Smoking Tobacco. R. J. Reynolds Company. 8,796; May 18.
Tie a Tin To Trouble 48 M 1926. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,801; May 18.
Try-On Spectacle Corp. For Spectacles. Try-On Spectacle Corp. 8,837; May 18.
Try This Better Cigarette Tobacco. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,787; May 18.
'Uncle Sam's Diary'. For a Newspaper Published Daily. United States Daily Publishing Corporation. 8,838; May 18.
What's In a Name? For Athletic Underwear. B. V. D. Company. 8,778; May 18.
When It's A Perfect Winter Day. For Cigarettes. R. J. Reynolds Tobacco Company. 8,817; May 18.
When It's a Rainy Night—And With Three Crafty Bridge Players. For Cigarettes. R. J. Reynolds Tobacco Company. 8,798; May 18.
When It's Evening—And Your Little Home Resounds. For Cigarettes. R. J. Reynolds Tobacco Company. 8,795; May 18.
When It's Morning—And You Call Good-Bye To Home. For Cigarettes. R. J. Reynolds Tobacco Company. 8,825; May 18.
When It's Thanksgiving—And The Teams Are Drawn Up For Battle. For Cigarettes. R. J. Reynolds Tobacco Company. 8,835; May 18.
When It's The Night Of The Season's Most Festive Dance. For Cigarettes. R. J. Reynolds Tobacco Company. 8,813; May 18.
When It's Your Birthday. For Cigarettes. R. J. Reynolds Tobacco Company. 8,824; May 18.
When It's Your Table At The Restaurant. For Cigarettes. R. J. Reynolds Tobacco Company. 8,826; May 18.
When Old Grads Drop In—And Around The Fire Experiences of Then Are Fondly Retold. For Cigarettes. R. J. Reynolds Tobacco Company. 8,792; May 18.
When Silvery Moonlight Falls On Town And Field. For Cigarettes. R. J. Reynolds Tobacco Company. 8,815; May 18.
When The Lure of Adventure Calls You. For Cigarettes. R. J. Reynolds Tobacco Company. 8,793; May 18.
When The Most Glamorous Picture Is Over. For Cigarettes. R. J. Reynolds Tobacco Company. 8,827; May 18.
When The Runners Are Bunched On The Track. For Cigarettes. R. J. Reynolds Tobacco Company. 8,812; May 18.
When The Second Act Has Come To an End—And The Curtain Is Run Down Amidst Whirling Applause. For Cigarettes. R. J. Reynolds Tobacco Company. 8,797; May 18.
When The Second Act Has Come To an End—And The Curtain Is Rung Down Amidst Whirling Applause—166 D 1925. For Cigarettes. R. J. Reynolds Tobacco Company. 8,811; May 18.
When You And Spring Are Thrilling To The First Ball Game. For Cigarettes. R. J. Reynolds Tobacco Company. 8,830; May 18.
When You Have To Concentrate On a Heavy Theme. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,803; May 18.
Write It On The Ice! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,821; May 18.
Yes, Sir! That's My Buddy! For a Smoking Tobacco. R. J. Reynolds Tobacco Campany. 8,829; May 18.
You Can Hit P. A. And It Won't Hit Back. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,786; May 18.
You Chaps Who Roll Your Own. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,784; May 18.
You've Got The Goods, Prince Albert. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,819; May 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Bones, Dried. Swift and Company. 227,201; May 18.
Coal. E. Ambler. 229,017; May 18.
Coal. Linehan & Molo. 228,856; May 18.
Coal. Platt & Brahm Coal Company. 229,052; May 18.
Ice. Southern Properties, Inc. 228,783; May 18.

CLASS 2.

Cartons, boxes, shipping envelopes, partitions for receptacles, etc. Hinde & Dauch Paper Co. 227,585; May 18.

CLASS 3.

Cases, limousine cases, collar pouches, etc., Over-night. S. Langsdorf & Co. 228,429; May 18.
Pokes, Horse and cattle. T. G. Knight. 228,194; May 18.

CLASS 4.

Buffing wheels. K. F. Griffiths Buff Company. 224,088; May 18.
Cleaners, dial cleaners, silver soap, silver polish, and jewelry cleaner, Watch. R. M. Craig. 222,013; May 18.
Powder for cleaning and removing the shine from fabrics. Mann-Wood Co. 228,762; May 18.
Preparation for wet cleaning. Midland Chemical Laboratories, Inc. 227,242; May 18.
Soap, Bath. Arden Chemical Company. 228,636; May 18.

CLASS 5.

Adhesive. Everybody's Talking Machine Company. 219,885; May 18.

CLASS 6.

Castor oil, Candied. Worton Corporation. 229,425; May 18.
Chemical for use in the dyeing of textiles, etc. Calco Chemical Company. 228,225; May 18.
Cod-liver oil and malt extract in powder form, Combination of. A. Wander, Ltd. 213,209; May 18.
Compound for la grippe, etc., Laxative. J. G. Hobson. 221,064; May 18.
Cream, Face. Frederick F. Ingram Company. 218,307; May 18.
Cream, oily-hair tonic, tissue builder, liquid hair tonic, Vanishing. Mrs. M. Peak. 229,461; May 18.
Cream paper, Cleansing. Freshie Co. Inc. 229,788; May 18.
Exterminator, Ant. J. A. Moore. 229,977; May 18.
Gasoline and other liquid fuels, Improver for. W. H. Tredway. 219,094; May 18.
Hydrogen peroxide, bleaching compounds, and bleaching powders. R. N. Bookman. 211,826; May 18.
Insecticides. Gold Star Co. 229,907; May 18.
Lactobacilli for medicinal use, Culture of. National Vaccine and Antitoxin Institute. 229,750; May 18.
Liquids, pastes, and powders, perfumeries, depilatories, etc. Montgomery Ward & Co. 227,464; May 18.
Medicated snuff. B. Martin. 228,922; May 18.
Medicinal compound of iipoid and jodoxychinolin sulphonic salts. Behringwerke Aktiengesellschaft. 195,207; May 18.
Medicine for bladder and kidney disorders. W. W. Burgess. 229,492; May 18.
Oil, Eucalyptus. Edward G. Binz Company. 229,772; May 18.
Opener and solvent. B. Heller & Company. 228,984; May 18.
Oxygen, hydrogen, and acetylene gases. Purox Company. 223,545; May 18.
Pastes and powders and perfumery. Parfumerie Roger et Gallet. 228,440; May 18.
Pastes and powders and perfumery. Parfumerie Roger et Gallet. 228,772; May 18.
Pastes, powders, and perfumery. Parfumerie Roger et Gallet. 229,250; May 18.
Perfume. Renaud et Cie. of America. 217,899; May 18.
Perfumes. Lionel Trading Co. 173,514–5; May 18.
Perfumes, toilet powders, face and lip rouge, bath salts, etc. Superior Products Corporation. 228,786; May 18.
Perfumes, toilet water, face powder, rouges, etc. Lerys, Inc. 229,184; May 18.
Perfumes, toilet water, face powder, talcum powder, etc. Oriza L. Legrand, Inc. 229,801; May 18.
Perfumes, toilet waters, face lotions, creams, powders, rouges, and lip stick. Lionel Trading Co. Inc. 211,853; May 18.
Pills, Kidney. H. C. Fleming. 216,168; May 18.
Powder, Insect. Essential Mfg. Co. 228,896; May 18.
Powders, face creams and packs, toilet waters, rouges, etc., Face. John A. Miesse Co. 229,116; May 18.
Preparation, Chemical. C. T. Berry. 229,615; May 18.
Preparation for asthma. A. P. Sherrill. 227,087; May 18.
Preparation for gout and rheumatism. Alman Chemical Company. 228,521; May 18.
Preparation for pyorrhea. Dr. Anderson's Plo Reo Remedy Co. 226,532; May 18.
Preparation for rheumatism, neuritis, etc., External. George Chemical Company. 228,424; May 18.
Preparation, Toilet. Marie de France Laboratories Inc. 227,899; May 18.
Preparations, Medical. M. Scheel. 228,142; May 18.
Preparations, Toilet. Fallis Inc. 223,839; May 18.
Preservative, Wood. Kedmont Manufacturing Co. 229,291; May 18.
Remedies, Hay-fever. N. Ernster. 230,023; May 18.

Remedy for headache. O. S. Schmidt. 224,208; May 18.
Remedy. Headache and pain. Worthy & Etheridge. 228,679; May 18.
Remover, hair restorer, hair grower, brilliantine, etc., Dandruff. La Reeta Mfg. Co. 222,260; May 18.
Rouge. Porte & Cie. 222,396; May 18.
Salve. B. Martin. 228,921; May 18.
Salve or ointment, Analgesic and counterirritant. Galen Laboratories, Inc. 229,906; May 18.
Salve or ointment like preparation. Otis Clapp & Son, Inc. 186,607; May 18.
Shampoo. G. E. Brignall. 228,969; May 18.
Sodium sulphide and sodium hyposulphite, Crystallized mixture of. Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. 216,455; May 18.
Solution for the treatment of tonsils. E. T. Foster. 223,166; May 18.
Solvents for gums and cellulose esters. Hercules Powder Company. 228,852; May 18.
Sulphur. J. W. Woolfolk Company. 229,942; May 18.
Toilet water, perfume, perfume extracts, toilet lotions, etc. Best & Co. 213,061; May 18.
Tonic. R. Stephenson. 228,840; May 18.
Tonic, hair grower, and dandruff preparations, Hair. J. A. Engstrom. 228,981; May 18.

CLASS 9.

Matches. Roche & Co., Limited. 229,056; May 18.
Nitrogen bacteria (fertilizer). A. R. Gregory. 228,239; May 18.

CLASS 12.

Brick. Acme Brick Company. 227,551; May 18.
Building blocks and reenforcing block clips. Stockade Building System, Inc. 229,065; May 18.
Clay products. United Clay Products Company. 227,485; May 18.
Insulating material, Mastic finish for heat-. Armstrong Cork & Insulating Company. 212,472; May 18.
Roof cement, road tars, and tarred felt. Tar Products Corporation. 212,216–18; May 18.
Walls, etc., Coating for. Toch Brothers, Incorporated. 228,580; May 18.

CLASS 13.

Lavatory supply and waste fixtures, bathtub fillers, etc. Hoffmann & Billings Mfg. Co. 229,336; May 18.
Utensils, Metal household. Chas. Fischer Spring Co. 207,926; May 18.

CLASS 14.

Alloys, Nonferrous. Roessler & Hassiacher Chemical Company. 229,877; May 18.
Steel and steel-alloy bars, billets, disks, rings, and tool-steel parts. Swedish Iron & Steel Corporation. 229,882; May 18.

CLASS 15.

Candles. Standard Oil Company of New York. 229,254; May 18.
Gasoline. Sinclair Refining Company. 228,778; May 18.
Lubricants. Pennzoil Company of California. 188,061; May 18.
Oil and greases, auto oils and greases, etc., Motor. Lord Baltimore Filling Stations, Inc. 222,856; May 18.
Oil for motors, Flushing. Richfield Oil Company. 212,203; May 18.
Oils and greases, Lubricating. United Lubricant Company. 229,256; May 18.
Oils, Lubricating. Canadian Independent Oil, Limited. 227,630; May 18.
Oils, Lubricating. Richfield Oil Company. 211,621–2; May 18.
Oils, Motor-fuel. Ethyl Gasoline Corporation. 211,992–3; May 18.
Petroleum. Gilmore Oil Company. 223,032; May 18.
Petroleum products. Beacon Oil Company. 227,388; May 18.

CLASS 16.

Enamel coatings or paints, protective paints for dampproofing and roof coating. Tar Products Corporation. 211,307; May 18.
Lacquer. Egyptian Lacquer Manufacturing Company. 215,903; May 18.
Lacquer. Egyptian Lacquer Manufacturing Company. 215,906; May 18.
Oils, greases, and penetrants, Lubricating. Kant-Rust Products Corporation. 227,454; May 18.
Paint enamels, paint as dry, paste, or ready mixed of all kinds. A. A. Madison. 225,518; May 18.
Paints, varnishes, dry colors, and paste paints. Kaco Corporation. 222,033; May 18.
Polish, Furniture. L. Webster. 224,850; May 18.
Polishing and cleaning compound. W. T. Barnes. 202,735; May 18.
Turpentine substitute. U. S. Technical Products Company. 225,151; May 18.

CLASS 17.

Cigarettes. Reed Tobacco Company. 229,003; May 18.
Cigars, cigarettes, cheroots, smoking and chewing tobacco, and snuff. Greeley Square Hotel Company. 225,419; May 18.
Tobacco, Chewing and snuff. B. Martin. 228,920; May 18.

CLASS 19.

Automobile bodies and automobile parts. Edward G. Budd Manufacturing Co. 211,458; May 18.
Automobile radiator shutters. Laminated Shim Company. 224,461; May 18.

CLASS 21.

Automobile starters, Controls for. Anti-Stall, Inc. 213,217; May 18.
Batteries and parts thereof, Electric storage. International Radiolite Company. 223,037; May 18.
Condensers in radio reception devices. Pilot Electric Manufacturing Company 228,932; May 18.
Electric drills and twist drill grinders, etc., Portable. Black & Decker Manufacturing Co. 228,887; May 18.
Electric suction sweepers. Hoover Company. 229,797; May 18.
Electrically-operated vehicle signal horns, starting motors, generators, etc. Kellogg Switchboard & Supply Co. 213,580; May 18.
Generators, Electric. Harris Electric Co. 226,426; May 18.
Heaters, electric water heaters, immersion heaters, etc., Electric oil-bath. General Electric Company. 212,913; May 18.
Loud speakers, head phones, transformers, insulators, etc. American Wireless Corporation. 192,659; May 18.
Motive-power regulators. Constantator Company. 229,218; May 18.
Phones, condensers, transformers, and loud speakers, Head. W. T. Grant Company. 228,902; May 18.
Plugs, angle two-way plugs, angle three-way convenience taps, Straight two-way, etc. Reynolds Spring Company. 222,633; May 18.
Plugs, convenience taps, connecter plugs, etc., Straight two-way. Reynolds Spring Company. 228,564; May 18.
Radio apparatus. Practical Perfection Engineering Company 227,907; May 18.
Radio direction finders, radiocompasses, and radio receiving sets and parts thereof. Federal Telegraph Company. 226,282; May 18.
Radio loud speakers. Filament Export Corp. 226,893; May 18.
Radio loud speakers. Filament Export Corp. 226,951; May 18.
Radio parts. Amsco Products, Inc. 229,141; May 18.
Radio receiving sets, radio transmitting sets, and parts thereof. A. H. Grebe & Co. 228,539; May 18.
Radio receiving sets, storage batteries and R batteries, and radio loud speakers. May Department Stores Company. 219,294; May 18.
Radio resistors and grid leaks. Aerovox Wireless Corporation. 228,961; May 18.
Switch plates, square toggle plates, push-button plates. Robinson Products Incorporated. 229,404; May 18.
Tuners, antennæ couplers, transformers, and coils for radio systems. S. O. Lawrence. 229,446; May 18.
Vacuum cleaners, Electric. H. E. Dillard. 228,528; May 18.

CLASS 22.

Dolls. Geo. Borgfeldt & Co. 228,888; May 18.
Fish lure, Artificial. A. J. Koshollek. 228,993; May 18.
Puzzles, Word. W. P. Hammond. 228,367; May 18.
Toy building blocks and toy furniture. Tacoma Screen Door & Mfg. Corp. 212,160; May 18.

CLASS 23.

Centrifugal liquid. Aktiebolaget Baltic. 226,038; May 18.
Choppers, Food. W. T. Grant Company. 228,900; May 18.
Cranes. McMyler Interstate Company. 228,824; May 18.
Cutters, Hot-tool rotary. F. E. Frick. 227,450; May 18.
Dairy machinery. H. H. Miller Industries Company. 210,129; May 18.
Engines, Oil-rectifying systems for internal-combustion. Skinner Automotive Device Co. 225,984; May 18.
Knives, table forks, table spoons, leather-cutting knives, etc., Table. Hyde Manufacturing Company. 218,488; May 18.
Lubricating apparatus for vehicles. The Cleveland Tractor Company. 227,002; May 18.
Razors and razor blades. M. E. Mayer. 176,684; May 18.
Saw blades, Hack-. Henry G. Thompson & Son Company. 228,728–9; May 18.
Valves, Pump. W. E. Mushet. 226,495; May 18.

CLASS 24.

Washing machines, Clothes-. Perry Laundry Machinery Co. 217,046; May 18.

CLASS 26.

Cameras and camera parts. Expo Camera Corporation. 227,268; May 18.
Dynamometers, beam scales, even-balance scales, and spring scales. John Chattillon & Sons. 219,379; May 18.
Films, compasses, dress patterns, Motion-picture. Girl Scouts. 206,961; May 18.
Ophthalmic mountings. Shur-On Standard Optical Company. 229,593; May 18.
Picture films, Moving-. Tec-Art Studios, Inc. 229,308; May 18.
Picture projectors, Motion-. International Projector Corporation. 227,018; May 18.
Telescopes and field glasses. Sussfeld, Lorsch & Schimmel. 229,410; May 18.

CLASS 27.

Watches, watchcases, and watch movements. Katz & Ogush, Inc. 228,704; May 18.

CLASS 28.

Pins, finger rings, cuff links, badges, thimbles, etc. Girl Scouts. 206,962; May 18.

CLASS 29.

Brooms. Fortuna Broom Company. 227,993; May 18.
Mops and handles therefor. Stover Manufacturing & Engine Co. 228,841; May 18.

CLASS 30.

Containers for salt, pepper, etc. W. G. McIlvain. 220,554; May 18.
Crockery, earthenware, and porcelain. R. H. Rucker. 227,419; May 18.
Dishes, China. Golden Rule, Inc. 229,329; May 18.
Pottery and faïence. C. Pardee Works. 229,524; May 18.

CLASS 31.

Refrigerating machines and repair parts thereof, Electrical. Builders Service & Supply Co. 229,088; May 18.

CLASS 32.

Mirrors and picture frames, Hand. Newark Tortoise Shell Novelty Co. 229,810; May 18.

CLASS 33.

Glass goblets and sherbet glasses, Etched and iridescent. Golden Rule, Inc. 229,333; May 18.
Glassware, Table. Fostoria Glass Company. 203,232; May 18.

CLASS 34.

Heater, Water. Patterson-Kelley Co. 226,509; May 18.
Radiator inclosure. Fulton Company. 228,748; May 18.

CLASS 35.

Tire casings, Automobile. Toledo Tire Corporation. 207,416; May 18.
Tires and inflatable inner tubes, Solid and pneumatic. Kelly-Springfield Tire Company. 229,860; May 18.
Tires, Vehicle. Fisk Rubber Company. 228,603; May 18.

CLASS 36.

Mainsprings, gears, shafts, etc. Everybody's Talking Machine Company. 220,183; May 18.
Talking machines and parts thereof. Victor Talking Machine Company. 230,063; May 18.

CLASS 37.

Diaries. Standard Diary Company. 216,122; May 18.
Inkwells. Kenney Bros. & Wolkins, Inc. 228,705; May 18.
Paper and mailing envelopes, Writing. Wesley & Winter, Inc. 227,378; May 18.
Paper, Handmade. C. H. Boulin. 175,643; May 18.
Paper, mimeograph paper, cards, bristol board, and cardboard. M. Milton. 228,924; May 18.
Paper, Wrapping. International Paper Company. 210,559; May 18.
Papers and tissue paper, Drawing. Zurcher Papierfabrik an der Sihl. 214,198; May 18.
Papers, Coated. McLaurin-Jones Co. 228,995; May 18.
Pencils, Lead. American Lead Pencil Company. 229,770; May 18.
Pencils, Lead. Kohinoor Pencil Factory L. & C. Hardtmuth in Budweis. 229,740; May 18.
Pens, desk calendars, penwipers, inkstands, and paper weights, Fountain. G. E. Studdy. 223,059; May 18.
Pens, Fountain. Union Fountain Pen Co. 229,651; May 18.
Pens, Fountain and gold. Liberty Fountain & Gold Pen Co. 224,412; May 18.
Pens, Metallic. Perry & Company. 229,981; May 18.

CLASS 38.

Books, music books, signal charts, periodicals, etc., Song. Girl Scouts. 206,960; May 18.
Cards and calendars, Greeting. I. C. Clark. 226,045; May 18.
Leaflets, pamphlets, books, or booklets. Interfraternity Conference. 212,333; May 18.
Magazine. W. D. Burke. 228,295; May 18.
Magazine, Monthly. Experimenter Publishing Company. 229,094; May 18.
Publication issued monthly. Crandall, Pierce & Company. 226,130; May 18.
Publication, Title for a periodical. Life Insurance Publishing Company. 228,323; May 18.

CLASS 39.

Boots and shoes. Bilt-Rite Shoe Co. 228,218; May 18.
Boots and shoes, Canvas and leather. Heywood Boot & Shoe Company. 229,179; May 18.
Coats, cloaks, wraps, and capes. George G. Wood & Company. 229,653; May 18.
Coats, vests, trousers, knickerbockers, topcoats, and overcoats. J. Schoeneman, Incorporated. 229,878; May 18.
Corsets and brassières. B. Kass. 229,918; May 18.
Dresses. J. Jacobson. 229,915; May 18.
Dresses, Tailor-made. Greenwald, Friedman & Co. 229,958; May 18.
Gloves, Inside. O. C. Hansen Manufacturing Co. 227,306; May 18.
Hats. May Department Stores Company. 229,241–2; May 18.
Hats, caps, coats, collars, etc., Men's and boys'. R. H. Rucker. 227,421; May 18.
Hats, Ladies' and misses'. Saks & Company. 228,668; May 18.
Hats, Ladies', misses', and children's. Bijou Hat Company. 229,213; May 18.
Hosiery. Conrad Hosiery Company. 229,666; May 18.
Hosiery. Muller & Sperling. 216,741; May 18.
Shirts, Work. Reed Brothers, Inc. 227,473; May 18.
Shoes. Nu-Way Shoe Co. 203,891; May 18.
Shoes, Leather. Craddock-Terry Co. 222,917; May 18.
Shoes, Soles for. Melville Shoe Corporation. 214,431; May 18.
Sweaters, sport coats, jerseys, and jackets. F. A. Kalil Company. 226,147; May 18.
Topcoats and overcoats. L. Greif & Bro. Incorporated. 229,106; May 18.
Union suits and underwear, Knitted. Blue Streak Underwear Company. 228,404; May 18.

CLASS 40.

Boot and shoe laces. L. Weinstein. 222,490; May 18.
Fringes, tassels, and trimmings. Sadinoff & Wendroff, Inc. 227,139; May 18.
Needles, pins, hooks and eyes, loops, etc. William Prym Company. 226,318; May 18.

CLASS 41.

Umbrellas. Siegel, Rothschild & Co. 227,755; May 18.

CLASS 42.

Blankets, Bedding. Meyer, Wise & Kaichen Co. 226,203; May 18.
Cotton and silk and cotton piece goods. York Manufacturing Co. Inc. 228,958; May 18.
Cotton piece goods. Carson Pirie Scott & Co. 229,899; May 18.
Cotton piece goods. Minot, Hooper & Co. 211,284; May 18.
Cotton piece goods. S. Slater & Sons, Inc. 228,502; May 18.
Gauze or cheesecloth in the piece. Narwood Bros. 192,723; May 18.
Hair nets. Western Bottle Manufacturing Company. 229,887; May 18.
Shade material, Window-. E. I. du Pont de Nemours and Company. 227,223; May 18.
Sheets and pillowcases. Eureka Mfg. Co. 211,784; May 18.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 227,580; May 18.
Silk shirtings in the piece. M. Bornstein & Sons. 211,971; May 18.
Ticking. American Importing Company. 202,475; May 18.

CLASS 44.

Sanitary napkins. S. Bakal & Son Inc. 229,266; May 18.
Vessels made of porcelain, glass, and earthenware. West Coast Porcelain Manufacturers. 228,074; May 18.

CLASS 45.

Beverage, Chocolate-flavored. Whistle Bottling Co. 227,704; May 18.
Beverage, Maltless. The Kooler Co. 226,811; May 18.
Beverages, Nonalcoholic maltless. Country Club Soda Company. 227,719; May 18.
Beverages, Nonalcoholic maltless. Jacob Ries Bottling Works, Inc. 226,359; May 18.
Citric-acid solution. Bottlers Supply Company. 228,406; May 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ginger ale and sirup for making the same. M. R. Mozzone. 226,594; May 18.
Ginger ale, root beer, plain carbonated water, and various fruit flavors. F. W. Müller Sons. 227,667; May 18.
Orange drink. E. Taylor. 228,277; May 18.
Orange, grape, cider, and root beer. Consumers Bottling Co. 228,358; May 18.
Water, Natural mineral. L. W. Joy. 226,059; May 18.

CLASS 46.

Animal albumen and animal organs flavored with meat extracts, Hydrolytic product of. Rotti Gesellschaft mit beschrankter Haftung. 221,031; May 18.
Bread. Kolb Baking Corporation. 228,706–7; May 18.
Bread. Power City Baking Company. 225,315; May 18.
Bread. S. B. Thomas, Inc. 226,313; May 18.
Bread, rolls, cakes, etc. Finish Co-Operative Trading Association Inc. 226,719; May 18.
Cake. Louisiana Baking Corporation. 229,044; May 18.
Candy. Fair Play Caramels, Inc. 228,531; May 18.
Candy. Loud Speaker Candy Co. 227,313; May 18.
Candy. The Mirror. 227,243; May 18.
Candy. San-Man Chocolates Company. 229,934; May 18.
Canned fruits, fish, vegetables, and dried fruits. J. J. Flatley. 225,655; May 18.
Canned fruits, vegetables, and berries. Fennville Canning Co. 221,246; May 18.
Canned fruits, vegetables, and berries. Fennville Canning Co. 221,248; May 18.
Canned pineapples. Kauai Fruit & Land Co. 229,570; May 18.
Canned tunny fish. Hawaiian Tuna Packers, Ltd. 194,797; May 18.
Canned vegetables. Hoopeston Canning Co. 218,181; May 18.
Canned vegetables and fruits. M. M. Kroh. 229,182; May 18.
Canned vegetables, berries, fruits, etc. Winters & Powell Canning Company. 228,957; May 18.
Cereal, Breakfast wheat. E. Shriver. 211,131; May 18.
Cheese. United Cheese Importers, Inc. 229,012; May 18.
Cheese, butter, eggs, and canned evaporated milk, Cream. Trogg-Shaw Co. 229,884; May 18.
Cheese, Swiss. Popper Gray & Co. 220,317; May 18.
Chicks, Baby. J. J. Theune. 228,842; May 18.
Chili tabasco sauce. T. M. Key. 228,989; May 18.
Chocolate bars. Planters Nut & Chocolate Company. 227,682; May 18.
Cinnamon, cayenne pepper, mustard, etc. R. J. Thornton & Co. 220,981; May 18.
Coffee. Satisfaction Coffee Co. 229,827; May 18.
Coffee. Three Mountain Coffee Corporation. 229,418–20; May 18.
Coffee. Geo. F. Wiemann Co. 229,261; May 18.
Coffee, Green. J. Aron & Company. 229,657–8; May 18.
Coffee, spices, prepared mustard, and catchup. A. B. Vlerebome & Son. 228,956; May 18.
Dessert powders. H. B. Eppstein & Bro. 227,943; May 18.
Extract, Malt. A. A. Osetkowski 226,909; May 18.
Fish and fresh fish flesh, Fresh. General Seafoods Corporation. 229,792; May 18.
Food, Breakfast. G. F. Humphrey. 221,612; May 18.
Fruit, Fresh citrous. H. Whitney. 229,941; May 18.
Fruits and grapes. Walls & Topham. 223,828; May 18.
Fruits and grapes, Fresh deciduous. Erickson Brothers. 221,543; May 18.
Fruits for food-flavoring purposes, Crushed. Norwich Ice Cream Company. 178,059; May 18.
Fruits, fresh deciduous fruits, watermelons, canned fruits, Fresh citrous. American Fruit Growers Incorporated. 229,140; May 18.
Gum, Chewing. American Chicle Company. 215,396; May 18.
Livestock, dairy, and chicken feed. Wells-Abbott-Nieman Co. 227,049; May 18.
Mayonnaise salad dressing, Russian dressing, olive dressing, and tartar sauce. Jordan Stabler Company. 229,513; May 18.
Olives and mayonnaise sauces. Carbonell & Co. (S. en C.) 227,878; May 18.
Orange marmalade. Mrs. E. J. Weed. 224,999; May 18.
Pears, plums, peaches, and fresh grapes. Earl Fruit Company. 220,767; May 18.
Rye breakfast food. Ry-Krisp Company. 229,007; May 18.
Shrimp cocktail. Bishop & Pannen, Inc. 229,020; May 18.
Sirup. Roddenbery Bros. 228,565; May 18.
Sirup, Malt. Val. Blatz Brewing Company. 229,365; May 18.
Spices, mincemeat, rice, tea, canned fruits and vegetables, etc. Symons Bros. & Co. 226,261; May 18.
Tea and coffee. Satisfaction Coffee Co. 229,825; May 18.
Vinegars. Duffy-Mott Company. 229,166; May 18.

CLASS 48.

Malt extract. S. A. Kircher. 219,075; May 18.

CLASS 50.

Badges, uniform make-up sets, flagstaffs, emblem flags, pennants, etc. Girl Scouts. 206,960; May 18.
Blackboards. Beckley - Cardy Company. 228,638; May 18.
Display signs and art panels, and pictures, Advertising. Pyraglass Products, Inc. 228,561; May 18.
Loving-cup cases and rosaries. Bakelite Corporation. 212,527; May 18.
Shoe lasts, animal traps, rat traps, rubber cloth, etc. Abraham & Straus, Inc. 210,431; May 18.
Signboards. R. A. Burris. 228,641; May 18.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aab, William, New Ulm, Minn. Envelope-opening attachment. 1,584,966; May 18.
Abco Boiler Corporation, The. (See Lipkemann, Henry, assignor.)
Adams, Joseph H., Brooklyn, assignor to The Texas Company, New York, N. Y. Conversion of oils. 1,585,355; May 18.
Adams, Walter M., Hutchinson, Kans. Card holder. 1,584,710; May 18.
Adamson Machine Company, The. (See Williams, Thomas H., assignor.)
Aglow, Harry, New York, N. Y., assignor to Arteraft Metal Stamping Corporation. Chandelier Des. 70,147; May 18.
Aglow, Harry, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Lighting-fixture arm. Des. 70,148; May 18.
Albrecht, Eugen A., Zurich, Switzerland. Device for transporting paper, fabrics, and the like. 1,585,275; May 18.
Albright, Neil T., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind. Ventilator. 1,585,323; May 18.
Alexander, Clive M., New York, N. Y. Process of and apparatus for distilling oils. 1,585,224; May 18.
Alger, Harriet C., Portland, Oreg. Holder for toothbrushes, paste tubes, or tooth powder and tumblers. 1,585,322; May 18.
Allen, Bona, Inc. (See Royal, Prince L., assignor.)
Allen, Richard. (See Moore, Edward T., assignor.)
Allen, Walter P., Jersey City Heights, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,585,356; May 18.
Allen, William B., Michigan City, assignor of one-half to C. D. Bates, La Porte, Ind. Train control. 1,585,007; May 18.
Allinson, William, Des Moines, Iowa. Renovating and clarifying used gasoline. 1,585,456; May 18.
Allsopp Brothers. (See Steller, Arthur, assignor.)
Alphin, Gilbert E., Mount Olive, N. C. Shade and curtain support. 1,585,008; May 18.
American Boiler Washing Device Company. (See Isaacs, Elza L., assignor.)
American Dressler Tunnel Kilns, Inc. (See Meehan, P. A., and Robertson, assignors.)
American Fibre Corporation. (See Baldwin, Earl F., assignor.)
American Fork & Hoe Company. (See Withington, Winthrop, assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Manufacturing Company. (See Wilhite, Cleveland, assignor.)
American Pin Company, Division Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
American Society of Mechanical Engineers. (See Bierbaum, Christopher H., assignor.)
American Steel Foundries. (See Bender, Frederic H., assignor.)
American Telephone and Telegraph Company. (See Smith, T. C., Freeman, and Simonds, assignors.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
American Telephone and Telegraph Company. (See Vernam, G. S., and Perry, assignors.)
Anderson, Arvid M., assignor to Tinsel Corporation of America, Brooklyn, N. Y. Chenille-making machine. 1,585,357; May 18.
Anderson, Oscar A., Cambridge, Mass. Loom. 1,584,829; May 18.
Andresen, Herman P., Chicago, Ill. Street stop-light sign. 1,584,967; May 18.
Andrews, Charles B., assignor to Taylor-Wharton Iron and Steel Company, Highbridge, N. J. Disk assembly for disk crushers. 1,585,457; May 18.
Angier, Edward H., Framingham, Mass. Method and apparatus for producing compound paper. 1,584,755; May 18.
Ansorge, Percy I., New York, N. Y. Finishing lighting fixtures. 1,584,709; May 18.
Anthes, Albert N., assignor of one-half to R. F. Gunther, Quincy, Ill. Dustproof spring link and bolt oiler. 1,585,225; May 18.
Anthony, Marc O., Philadelphia, Pa. Manifolding mechanism for typewriting machines. 1,585,520; May 18.
Arato, Achille, Turin, Italy. Trailer. 1,585,180; May 18.
Archer, Elbert H., assignor to Covington Machine Company, Inc., Covington, Va. Clinker-extracting shovel. 1,585,070; May 18.
Archer, Elbert H., assignor to Covington Machine Company, Inc., Covington, Va. Clinker-extracting shovel and making same. 1,585,071; May 18.
Argus Products Company. (See Christian, Charles F., assignor.)
Arkwright, George A., Brooklyn, N. Y. Apparatus for purifying mines, tunnels, and subways. 1,585,358; May 18.
Armistead, Hubert M., San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding platen for typewriters. 1,585,009; May 18.
Arnold, Margaret L., Chicago, Ill. Foot wiper for automobiles. 1,584,968; May 18.
Arteraft Metal Stamping Corporation. (See Aglow, Harry, assignor.)
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Metal structure. 1,584,711; May 18.
Atwell, Harold V., Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Liquid and mechanical seals. 1,585,276; May 18.
Atwood, Edwin W., et al. (See Burrows, Eastman A., assignor.)
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Composite vehicle wheel. 1,585,324; May 18.
Auburn Automobile Company. (See Crawford, James M., assignor.)
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,585,359; May 18.
Averill, Earl A., Mount Vernon, N. Y., assignor to Locomotive Feed Water Heater Company. Locomotive feed-water-heating system. 1,585,226; May 18.
Avery, B. F., & Sons. (See Ray, Charles T., assignor.)
Azor Motor Manufacturing Company, The. (See Hoff, Earl B., assignor.)
Babcock & Wilcox Company, The. (See Wells, Edward H., assignor.)
Bailey, Ainsworth L., and R. R. Gatzke, Butte, Mont. Single-foot pedal for automobiles. 1,584,712; May 18.
Bailey, H. H., et al. (See Bundren, Francis M., assignor.)
Bailey, Joseph V. (See Whipple, John W., assignor.)
Bailey, P. H., et al. (See Bundren, Francis M., assignor.)
Baker-Perkins Company. (See Tugendhat, Robert G., assignor.)
Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Twisting machine. 1,585,360; May 18.
Baldwin, William A. (See Coaker, J. B., Baldwin, and Smith.)
Balint, Frank, Bridgeport, Conn. Auto signaling device. 1,585,227; May 18.
Balk, Joseph J., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y. Wall plate for electric light fixtures. Des. 70,149; May 18.
Balk, Joseph J., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y. Electric-light fixture. Des. 70,150; May 18.
Balk, Joseph J., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y. Electric-light fixture. Des. 70,151; May 18.
Balk, Joseph J., assignor to Markel Lighting Fitments, Inc., Buffalo, N. Y. Canopy for electric-light fixtures. Des. 70,152; May 18.
Bamberger, Joseph, Cincinnati, Ohio. Lifting device. 1,585,325; May 18.
Bancroft, Walter H., Bryn Athyn, Pa. Manufacture of alkaline secondary or storage batteries. 1,585,521; May 18.
Banks, George L., Los Angeles, Calif. Automatic crude-oil sampler. 1,585,072; May 18.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co. Automatic blank-feeding device. 1,584,713; May 18.
Barbour, Frank D. (See Simons, D. M., and Barbour.)
Bardon, Donis M., Seattle, Wash. Cable-connecting device. 1,584,830; May 18.
Barlow, Joseph A. (See Lund, H. A., and Barlow.)
Barkstrom, Lewis T. (See Seeburg, N. M., and Barkstrom.)

Barney, Arthur L., assignor to Tiffany & Company, New York, N. Y. Spoon or similar article. Des. 70,153; May 18.

Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Journal-box-fastening means. 1,585,522; May 18.

Barth, Joseph L., Bismarck, N. Dak. Metatarsal pad locator. 1,585,458; May 18.

Bartlett, C. O., & Snow Company, The. (See Gertz, Samuel, assignor.)

Barton, Lyman G., Plattsburg, assignor to G. Tiemann & Co., New York, N. Y. Obstetrical forceps. 1,585,523; May 18.

Bass, William L., New York, N. Y. Convertible liquid container. 1,585,524; May 18.

Bastian-Morley Co. (See Birtch, Fred W., assignor.)

Bates, Cuthbert D. (See Allen, William B., assignor.)

Baudry, George. (See Bisel, W. S., and Baudry.)

Bauer, Christian O., Los Angeles, Calif. Knockdown table. 1,585,459; May 18.

Bausch, George, Syracuse, N. Y. Lens mounting for eyeglasses. 1,584,714; May 18.

Baxter, Leon, Brooklyn, N. Y. Stylus mounting. 1,585,525; May 18.

Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spool valve for rock drills. 1,584,715; May 18.

Beardsley, Lester A., assignor to Norwich Wire Works, Inc., Norwich, N. Y. Producing trap jaws. 1,585,526; May 18.

Beaumont, R. H., Company. (See Hale, William E., assignor.)

Beazley, Arthur T., Tampico, and N. O. Watson, Puerto Mexico, Mexico. Well. 1,584,969; May 18.

Bee, William E., assignor to Palmer-Bee Company, Detroit, Mich. Reduction gearing. 1,585,361; May 18.

Behimer, Otto. (See Holmes, R. C., Manley, and Behimer.)

Behrman, Abraham S., assignor to International Filter Co., Chicago, Ill. Adsorbent material and making same. 1,584,716; May 18.

Belanger, Theodore, Provemont, Mich. Potato picker and grader. 1,585,527; May 18.

Belden, Albert G., and C. G. Flygare, Worcester, assignors to Norton Company, Worcester, Mass. Grinding-wheel-spindle-reciprocating mechanism. 1,584,717; May 18.

Bell, Guy A., San Francisco, Calif. High-pressure metered fuel ejector for internal-combustion engines. 1,585,277; May 18.

Bell, Howard H. (See Gill, H. M., and Bell.)

Bellamy, Harry T., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Casting slip. 1,585,010; May 18.

Bender, Frederic H., assignor to American Steel Foundries, Chicago, Ill. Retaining bolt for self-centering devices. 1,585,362; May 18.

Bendig, Charles R., Philadelphia, Pa. Hairpin. 1,585,363; May 18.

Bengert, Edgar F., Kansas City, Mo. Ring. Des. 70,154; May 18.

Benjamin, Clarence F., Milford, Conn. Hair crimper. 1,584,831; May 18.

Benneke, Charles F., Chicago, Ill. Golf-ball tee. 1,584,832; May 18.

Benner, Raymond C., Bayside, and H. Hs Thompson, Flushing, N. Y., assignors to The Prest-O-Lite Company. Storage battery and expansible active-material support therefor. 1,585,073; May 18.

Bennet, Jules A. R., Stockholm, Sweden. Device for maintaining a constant pressure in containers. 1,585,181; May 18.

Bennis, Alfred W., Bolton, England. Water-heating and steam-generating boiler. 1,585,528; May 18.

Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Elastic-fluid turbine. 1,584,915; May 18.

Berger, Charles, assignor to David Lupton's Sons Company, Philadelphia, Pa. Pivoted sash mounting. 1,584,979; May 18.

Berry, Lee E., Chicago, Ill. Garter. 1,584,833; May 18.

Best, Frank E., Seattle, Wash. Gear-shifting device. 1,585,364; May 18.

Best, Frank E., Inc. (See Richards, William D., assignor.)

Beusch, Willi, assignor to Landis & Gyr S. A., Zug, Switzerland. Measuring device in the connecting line between two electric power stations working in parallel. 1,585,326; May 18.

Bierbaum, Christopher H., Buffalo, assignor to American Society of Mechanical Engineers, New York, N. Y. Attachment for microscopes. 1,585,278; May 18.

Biersdorf, Matthew F., Los Angeles, Calif. Cloth-cutting machine. 1,585,012; May 18.

Binger, Nickolaus, Pittsburgh, Pa. Plane. 1,585,365; May 18.

Biro, John, New York, N. Y. Metal former. 1,584,971; May 18.

Birtch, Fred W., assignor to Bastian-Morley Co., La Porte, Ind. Hot-water heater. 1,585,366; May 18.

Bisbee, Walter G., and B. P. Hoffman, Bristow, Okla. Fluid-expansion rubber to be used on swabs, agitators, and packers, for oil wells. 1,584,718; May 18.

Bisel, Wilbur S., and G. Baudry, Atchison, Kans. Resilient tire. 1,585,074; May 18.

Bisson, Louis A., Philadelphia, Pa., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Fusible link and strut. 1,584,719; May 18.

Black-Clawson Company, The. (See Kutter, Herman L., assignor.)

Blackburn, Charles E., Evansville, Ind. Swinging automobile headlight. 1,584,720; May 18.

Blades, Charles F., Topeka, Kans. Permutation lock. 1,584,834; May 18.

Blaine, Joseph R., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Ink-fountain-ductor trip mechanism. 1,585,367; May 18.

Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Sheet-pick-up mechanism. 1,585,368; May 18.

Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Side-register mechanism. 1,585,369; May 18.

Blanch, Sven M., assignor to Fleming Machine Company, Worcester, Mass. Holding and centering grinding and polishing wheels or the like. 1,584,835; May 18.

Bland, John, Chicago, Ill. Grinder. 1,584,721; May 18.

Bland, John E., Ardmore, Okla. Fuel tank. 1,585,460; May 18.

Blankenship, Edwin V., Bozeman, Mont. Watering system. 1,585,182; May 18.

Bliss, Herbert R., Niagara Falls, N. Y. Shipping case. 1,584,972; May 18.

Blue Valley Creamery Co. (See Vunsant, Richard H., assignor.)

Boal, Stanhope, W. S. Ross, and J. Dilworth, assignors to The Favorite Stove & Range Company, Piqua, Ohio. Stove. 1,584,973; May 18.

Bodan, Herman, Saukville, Wis. Automobile curtain clamp. 1,585,228; May 18.

Bohmbach, Chris J., Red Wing, Minn. Shade attachment for automobiles. 1,584,722; May 18.

Booker, Richard A., assignor to Richmond Piston Ring Co., Richmond, Ind. Peening tool. 1,585,327; May 18.

Booth, George W., New Toronto, Ontario, Canada. Tunnel kiln. 1,585,013; May 18.

Booth, James S., Detroit, Mich. Automobile chassis-frame construction. 1,584,723; May 18.

Bortkewicz, Louis, Raccoon Station, Pa. Bit-forging machine. 1,584,724; May 18.

Boston Wire Stretcher Company. (See Maynard, Arthur H., assignor.)

Boving, Jens O., London, England. Hydraulic governor for engines, turbines, and the like. 1,585,529; May 18.

Bowers, Joseph D., Bluefield, W. Va. Spring support. 1,584,836; May 18.

Bowman, William J. (See Volz, Gottlieb W., assignor.)

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 70,155; May 18.

Boyce, James W., Hartford, Conn. Toy cartridge. 1,585,075; May 18.

Boyden, J. Hanson, et al. (See Tupper, Arthur W., assignor.)

Bracken, Martin L., New York, N. Y. Record card. 1,584,837; May 18.

Brackett, Francis W., Colchester, England. Screening apparatus. 1,585,461; May 18.

Bradbury, Clifford C., Glencoe, Ill., assignor to L. O. Coulter. Hair-waving device. 1,584,974; May 18.

Brand, Harry R. (See Saltzman, Auguste L., assignor.)

Brandberg, Gustav O. N., Sioux Falls, S. Dak. Cover. 1,585,279; May 18.

Brandel, Lewis P. (See Flury, W. J., and Brandel.)

Brandstetter, Josef, Chicago, Ill. Vehicle cleaner. 1,584,725; May 18.

Bratton, Virgle E., Newark, Ohio. Timer. 1,584,726; May 18.

Brenne, Carl F., Seattle, Wash. Bookbinding. 1,585,076; May 18.

Brenner, Lupu W., Detroit, Mich. Poppet valve. 1,584,975; May 18.

Briggs, Arthur J., Syracuse, N. Y., assignor to National Carbon Company, Inc. Spacer for depolarizing bobbins. 1,585,077; May 18.

Brogdex Company. (See Brogden, Ernest M., assignor.)

Brogden, Ernest M., assignor, by mesne assignments, to Brogdex Company, Winter Haven, Fla. Preservation of fresh fruit. 1,585,370; May 18.

Brogden, Ernest M., assignor to Brogdex Company, Winter Haven, Fla. Composition for treating fruit and the like. 1,585,371; May 18.

Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Superheater. 1,585,229; May 18.

Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Water-tube boiler with superheater. 1,585,230; May 18.

Brown Instrument Company. (See Keeler, Earl A., assignor.)

Brown, James Y., et al. (See Febles, Ramon, assignor.)

Brown, Metta I. M., Sioux City, Iowa. Cover clip. 1,585,280; May 18.

Brückner, Elliott W., Jersey City, N. J. Doll. Des. 70,156; May 18.

Brunton, Lionel J., Boulder, Colo. Micrometer feeding device for metal-working machine and the like. 1,584,976; May 18

Brush, Abbott P., Greenwich, Conn. Paste dispensing. 1,584,838; May 18.

Buchholz, Max, Cassel, Germany. Protection of liquid-insulated apparatus. 1,585,014; May 18.

Buckeye Iron & Brass Works. (See Eickman, Elmer H., assignor.)

Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)

Buffalo Pottery. (See Bown, Lewis H., assignor.)

Buley, Olga E., London, England. Suspension device for curtains. 1,585,078; May 18.

Bull, Arthur A. (See Handy, R. G., and Bull.)

Bundren, Francis M., El Paso, Tex., assignor of one-fourth to H. H. Bailey and one-fourth to P. H. Bailey. Flour sifter. 1,585,606; May 18.

Burger, Frederick W., Niles, and B. Stockfleth, Berrien Springs, assignors to Clark Tructractor Company, Buchanan, Mich. Spring supporting and attaching means for vehicles. 1,584,977; May 18.

Burgess, C. F., Laboratories. (See Hoffman, William H., assignor.)

Burley, Wilson L., Crooksville, Ohio. Kiln for burning earthenware. 1,585,015; May 18.

Burke, Eugene I., et al. (See Howland, George A., assignor.)

Burnham, Clifford L., Chicago, Ill. Safety locking device for manhole covers. 1,585,372; May 18.

Burns, James S. (See Le Petit, Charles J. M. M., assignor.)

Burrows, Eastman A., Chicago, Ill., assignor to L. G. Copeman and E. W. Atwood, Flint, Mich. Refrigerating apparatus. 1,585,016; May 18.

Burton, Arthur, Winslow, Ariz. Headlight-bulb shade. 1,585,183; May 18.

Buschmann, Theodor E., and C. E. A. Claus, Chemintz, assignors to Wanderer Werke, vorm Winklhofer & Jaenicke, A. G., Schonau, near Chemintz, Germany. Typewriting and calculating machine. 1,585,530; May 18.

Butticaz, Eugène, Corcelles, Switzerland. Electrical clockwork. 1,585,079; May 18.

Buxton, Incorporated. (See Cave, Henry, assignor.)

Caldwell, Archie E., Columbia, Calif. Olive picker. 1,585,080; May 18.

Caldwell, Archie E., Columbia, Calif. Land-working apparatus. 1,585,081; May 18.

California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)

California Spray-Chemical Company. (See Volck, William H., assignor.)

Cammen, Leon, New York, N. Y. Spout. 1,584,840; May 18.

Campbell, Argyle, and A. E. Zimmer, assignors, to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-operating mechanism. 1,584,841; May 18.

Campbell, Douglas S., Cleveland, Ohio. Advertising sign. Des. 70,157; May 18.

Campbell, Harry E., assignor to Union Electric Manufacturing Company, Milwaukee, Wis. Magnet-coil assembly. 1,585,017; May 18.

Cameron, Damon W., assignor to A. F. Probst, Boston, Mass. Ruling-edge device. 1,584,839; May 18.

Canada, George B., assignor of one-half to J. B. Holley, Memphis, Tenn. Comb. 1,585,231; May 18.

Cane, Gordon F., and A. C. Wheelock, Oakland, Calif. Foldable bed construction. 1,584,978; May 18.

Carbide and Carbon Chemicals Corporation. (See Herrly, Clarence J., assignor.)

Carlberg, August E., assignor to Walden-Worcester, Incorporated, Worcester, Mass. Wrench. Re16,354 May 18.

Carlotti, Charles J., New York, N. Y. Apparatus for the production of theatrical performances. 1,585,373; May 18.

Carlson, Carl A., Fort Dodge, Iowa. Automatic door opener. 1,584,842; May 18.

Carlsson, John, Pittsburgh, Pa. Building block. 1,585,374; May 18.

Carpenter, Charles F., Schenectady, and L. J. Weber, Scotia, N. Y., assignors to General Electric Company. Support for the windings and the movable magnetic members of electromagnetic devices. 1,585,630; May 18.

Carr, Edward G., Chicago, Ill. Railway vehicle. 1,584,727; May 18.

Carroll, Monroe W., Beaumont, Tex., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Slush-pump structure. 1,584,843; May 18.

Carter, John W. (See Thompson, J. H., and Carter.)

Caruso, Mario, Naples, Italy, assignor to The Lionel Corporation. Toy car wheel. Re16,351; May 18.

Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)

Case, Theodore W., Scipio, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Manufacturing mirrors. 1,584,728; May 18.

Cash, Dave. (See Musser, Benjamin F., assignor.)

Casper, William L., Brooklyn, and H. Whittle, assignors to Western Electric Company, Incorporated, New York, N. Y. Transformer circuits. 1,585,018; May 18.

Cates, Franklin O., St. Louis, Mo. Bow. 1,584,729;

Cave, Henry, Hartford, Conn., assignor to Buxton, Incorporated, Springfield, Mass. Key case. 1,584,844; May 18.

Cochran, Charles H. (See Flint, W. A., and Cochran.)

Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Oil burner. 1,585,019; May 18.

Chaffee, Amos E. (See Lee, H. S., and Chaffee.)

Chain Belt Company. (See Shafer, S., jr., and Draeger, assignors.)

Chamberlain, Morris, Chester, N. J. Transmission brake. 1,585,082; May 18.

Champlin, Jay J., Beatrice, Nebr. Sweep rake. 1,585,462; May 18.

Chandler, Adelbert, Avondale, Mo. Grain-door puller. 1,585,463; May 18.

Chapman, Robert F. (See White, Alfred N., assignor.)

Chapotat, Emile, Vienne, France. Collapsible packing case. 1,585,328; May 18.

Charlton, Albert J., Lowden, Iowa. Automobile wheel. 1,584,845; May 18.

Charpentier, Paul, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Oil-break electric switch. 1,585,232; May 18.

Chase Companies. (See Recker, Adolph C., assignor.)

Chase Foundry & Mfg. Company, The. (See Chase, Sherwood M., assignor.)

Chase, Herman G., Clarkston, Wash. Copyholder. 1,585,531; May 18.

Chase, Sherwood M., assignor to The Chase Foundry & Mfg. Company, Columbus, Ohio. Truck and car. 1,585,375; May 18.

Chenot, William E., Belleville, Ill. Method and apparatus for distillation. 1,584,730; May 18.

Chester Products Corporation. (See Morin, Louis H., assignor.)

Chilton, Jasper S., Ararat, N. C. Manure distributor. 1,585,020; May 18.

Christensen, Christen, assignor to Electrical Engineers Equipment Co., Chicago, Ill. Outdoor disconnecting switch. 1,584,731; May 18.

Christensen, Christen, assignor to Electrical Engineers Equipment Co., Chicago, Ill. Disconnecting switch. 1,584,732; May 18.

Christensen, Christen, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Disconnecting switch. 1,584,733; May 18.

Christian, Charles F., Waldport, assignor to Argus Products Company, Portland, Oreg. Artificial stone and making the same. 1,585,184; May 18.

Christophel, Carl E., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet-feeding machine. 1,584,734; May 18.

Clay, Marshall F., Canton, Ohio. Window ventilator. 1,584,847; May 18.

Claus, Christian E. A. (See Buschmann, T. E., and Claus.)

Clausen, William C., Bronx, N. Y. Gyroscopic toy. 1,584,979; May 18.

Clauss, Max O., New York, N. Y. Clutch mechanism. 1,584,846; May 18.

Clark Tructractor Company. (See Burger, F. W., and Stockfleth, assignors.)

Clevenger, Elmer W., and J. P. Wine, Stephens City, Va., assignors of one-third to O. H. Ingram, Martinsburg, W. Va. Steam generator. 1,585,329; May 18.

Clothier, Frank S., Guardian. (See Clothier, Stewart L.)

Clothier, S. L., Schenectady, N. Y.; F. S. Clothier, guardian of said S. L. Clothier, assignor to General Electric Company. Electron-discharge apparatus. 1,585,464; May 18.

Clowes, Sumpter A., Glenshaw, Pa. Clamp. 1,584,848; May 18.

Coaker, John B., W. A. Baldwin, and A. M. Smith, Richmond, Va. Glare preventer for automobile headlights. 1,585,465; May 18.

Coast, John W., jr., Tulsa, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Continuously distilling and cracking hydrocarbon oils. 1,585,233; May 18.

Cochran, Ralf S. (See Marsh, H. S., and Cochran.)

Coffin, Leslie R., Los Angeles, Calif. Machine for molding building tiles. 1,584,849; May 18.

Cole, Jacob L., and D. R. Gump, Brave, Pa. Adjustable bolt. 1,585,532; May 18.

Coles, Charles H., Gainesville, Fla. Pocket inhaler. 1,585,466; May 18.

Collins, Charles W., Greenwich, N. Y. Switch. 1,585,185; May 18.

Collins, Franklin E. (See Hewitt, Leon A., assignor.)

Cone, Alfred L., New York, N. Y. Safety paper. 1,584,850; May 18.

Conlon, Thomas A. (See Joyce, Bryan P., assignor.)

Connole, Vincent H. (See Smith, William J., assignor.)

Conwell, L. R. (See Hornecker, George, assignor.)

Cook, A. D., Inc. (See Willers, George E., assignor.)

Cooke & Cobb Company, The. (See Doughty, George E., assignor.)

Cooper, Francis R., Madison, Wis. Lamp for locomotive cabs and the like. 1,585,467; May 18.

Copeman, Lloyd G., et al. (See Burrows, Eastman A., assignor.)

Corcoran, Cornelius B., deceased, late of New York, by M. J. Corcoran, administrator, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,584,735; May 18.

Corcoran, Michael J., administrator. (See Corcoran, Cornelius B.)
Cornelius, Hampus G. E. (See Flodin, H. G., and Gustafsson, assignors.)
Coulter, Lloyd O. (See Bradbury, Clifford C., assignor.)
Coursen, Phoebe E., New York, N. Y., and E. F. Jacobus, Pond Eddy, Pa. Combination knife and fork. 1,585,533; May 18.
Covell, Willis, assignor of one-half to C. O. Rose, Hornell, N. Y. Cornice plate. 1,585,468; May 18.
Covington Machine Company. (See Archer, Elbert H., assignor.)
Covington Machine Company. (See Rumsey, Amos B., assignor.)
Cowley, James T., Minot, assignor to The Lamson Company, Boston, Mass. Conveyer system. 1,585,234; May 18.
Cox, Walter, and A. Shuman, assignors to Pennsylvania Wire Glass Company, Philadelphia, Pa. Making corrugated wire glass. 1,585,607; May 18.
Craddock, George L., Washington, D. C. Air-propelled vehicle. 1,585,281; May 18.
Crawford, James M., Auburn, Ind., assignor to Auburn Automobile Company. Side wing for windshields. 1,585,376; May 18.
Creedon, Patrick J., Omaha, Nebr. Apparatus for use in erecting concrete structures. 1,585,083; May 18.
Crichton, William E., et al. (See Hoffman, Clay H., assignor.)
Crispen, Clarence C., Harrisburg, Pa. Lubricant distributor. 1,585,186; May 18.
Crockett, Thomas E., assignor of one twenty-fourth to (Mrs.) J. N. Harshman, Eldorado, Kans. Water-elevating apparatus. 1,585,534; May 18.
Crogan, Charles W., Old Orchard, Me. Motor-driven handsaw. 1,585,535; May 18.
Cromwell, John H., Larchmont, N. Y. Internal-combustion engine. 1,585,377; May 18.
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Self-locking pin. 1,584,851; May 18.
Crugar, Arthur M. (See Markham, J. H., and Crugar.)
Crumley, Le Roy A., assignor to I. J. Tombacher, New York, N. Y., and H. M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Combined candle cup and arm. Des. 70,158; May 18.
Crumley, Le Roy A., assignor to I. J. Tombacher, New York, N. Y., and H. M. Feltenstein, Chicago, Ill., doing business under name and style of M. Eisenberg & Son. Lighting-fixture body. Des. 70,159; May 18.
Cunningham, Percy C., Los Angeles, Calif. Gas-valve receptacle. 1,585,084; May 18.
Curkoid Corporation. (See Judd, F. L., and Pitt, assignors.)
Curtin, David F., assignor, by mesne assignments, to The Vortex Mfg. Co., Chicago, Ill. Paper-cup former. 1,584,736; May 18.
Curtin, David F., Chicago, Ill. Pocket-pencil holder. 1,585,235; May 18.
Curtiss, Charles B., Bay City, Mich. Automobile winch mounting. 1,584,980; May 18.
Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Company. Lamp pedestal. Des. 70,160; May 18.
Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Company. Lamp pedestal. Des. 70,161; May 18.
Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Co. Lamp pedestal. Des. 70,162; May 18.
Daae, Lorentz Segelcke. (See Meier, Erling, assignor.)
Daly, Charles M. (See Strong, Clarence A., assignor.)
Danial, John, Syracuse, N. Y. Clock-controlled electric switch. 1,584,737; May 18.
Danial, John, Syracuse, N. Y. Time-controlled switch. 1,584,738; May 18.
Darby, Ross H. (See Gee, H. L., and Darby.)
D'Arcy, George W., Boston, Mass. Humidifying apparatus. 1,585,536; May 18.
Darrin, Marc, Wilkinsburg, assignor to The Koppers Company, Pittsburgh, Pa. Recovery of thiocyanates. 1,584,852; May 18.
Davidson, William D., and E. W. Goeser, Los Angeles, assignors to Union Tool Company, Torrance, Calif. Rotary draw works. 1,585,085; May 18.
Davis, Isadore, Des Moines, Iowa. Shingle. 1,584,739; May 18.
Davis, John B., Wheeling, W. Va. Safety-switch construction for railways. 1,585,537; May 18.
De Cew, Judson A., New York, N. Y. Sizing cellulose fibers. 1,585,469; May 18.
De Cristofaro, Michael, Astoria, N. Y. Rotary plow. 1,585,086; May 18.
Deems, Ralph B., Wichita Falls, Tex., assignor, by mesne assignments, of forty-nine per cent to H. A. Van Tassel. Stuffing box. 1,585,087; May 18.
Deere & Company. (See Seaholm, John P., assignor.)
De Forest Radio Telephone & Telegraph Co. (See Logwood, Charles V., assignor.)
De Hon, Albert J., Hoboken, N. J. Door closer and check. 1,584,981; May 18.
Delmon, Albert G., Tampa, Fla. Neck-shaving gauge. 1,585,088; May 18.
De Loach, George W., New York, N. Y. Piston actuator for grease compressors. 1,585,538; May 18.
Demers, Nazaire, Lawrence, Mass. Shuttle-binding means. 1,585,539; May 18.
Denison, Julian F., New Haven, Conn. Centrifugal well pump. 1,585,378; May 18.
Denny, William P., Houston, Tex. Motor. 1,584,740; May 18.
De Puy, Winifred. (See Foulke, Roy D., assignor.)
Dern, Caroline, Milwaukee, Wis. Infant's wrap. 1,584,853; May 18.
Des Nos, Louis B., Medfield, Mass. Perpetual calendar. 1,585,470; May 18.
Detroit Harvester Company. (See Otwell, Ralph B., assignor.)
Deutsche Zundholzfabriken Aktiengesellschaft. (See Grünewald, Hans, assignor.)
Dewey & Almy Chemical Company. (See Dewey, B., and Miller, assignors.)
Dewey & Almy Chemical Company. (See Dewey, Bradley, assignor.)
Dewey, Bradley, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Drier. 1,585,283; May 18.
Dewey, Bradley, Cambridge, Mass., and T. T. Miller, Orange, N. J., assignors to Dewey & Almy Chemical Company, Cambridge, Mass. Apparatus for drying lining material on covers. 1,585,282; May 18.
De Witt, William J., Auburn, N. Y. Process of and apparatus for making shoe forms. 1,585,284; May 18.
Dexter Folder Company. (See Christophel, Carl E., assignor.)
D'Humy, Fernand E., Englewood, N. J. Storage building. 1,585,471; May 18.
Diamond Crystal Salt Company. (See Downing, William F., jr., assignor.)
Dickerson, Adolph F., Schenectady, N. Y., assignor to General Electric Company. Light fixture. 1,585,472; May 18.
Dickinson, Joseph H. (See Millert T. S., and Dickinson.)
Diederichs, Carl A., Pittsburgh, Pa. Mechanical toy. 1,584,982; May 18.
Diehl, Herman H., assignor to West Virginia Rail Co., Huntington, W. Va. Railway-track construction. 1,585,285; May 18.
Dill, Colby, Woodbridge, and L. M. White, Perth Amboy, N. J., assignors, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Liquid container. 1,584,854; May 18.
Dilworth, John. (See Boal, S., Ross, and Dilworth.)
Dirschauer, Jacob, Evansville, Ind. Extractor for vehicle wheels. 1,584,741; May 18.
Diskin, Moses B., New York, N. Y. Burglarproof lock. 1,585,089; May 18.
Dixon, Alfrie E., Minneapolis, Minn. Lamp shade and making the same. 1,585,379; May 18.
Dobbins, Mai R., assignor of one-half to W. T. Hudson, Atlanta, Ga. Mail-box post. Des. 70,163; May 18.
Dochez, Alphonse R., assignor to The Presbyterian Hospital in the City of New York, New York, N. Y. Preparing antitoxic sera. 1,585,090; May 18.
Doehler Die-Casting Co. (See Doehler, H. H., and Morin assignors.)
Doehler, Herman H., and L. H. Morin, New York, N. Y., assignor to Doehler Die-Casting Co. Spool. 1,585,236; May 18.
Doherty Research Company. (See Coast, John W., jr., assignor.)
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin-counting mechanism. 1,585,380; May 18.
Dorner, William F., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Preventing pitch deposit in hydraulic mains. 1,584,916; May 18.
Dougherty, Charles T., Lemoore, assignor to F. C. Dougherty, Huntington Beach, Calif. Detachable rotary bit. 1,585,540; May 18.
Dougherty, F. C. (See Dougherty, Charles T., assignor.)
Dougherty, Michael F., St. Paul, Minn. Method of and apparatus for moving forms used in constructing monolithic sewers and the like. 1,584,756; May 18.
Doughty, George E., New York, assignor to The Cooke & Cobb Company, Brooklyn, N. Y. Letter file. 1,585,237; May 18.
Dow, Charles E., deceased, by L. E. Dow, administratrix, Denver, Colo. Railway tie. 1,585,021; May 18.
Dow, Lillian E., administratrix. (See Dow, Charles E.)
Dow, William B., Waltham, Mass. Ice-cream disher. 1,584,757; May 18.
Dowd, J. C., & Co. (See Weigel, Fred E., assignor.)
Dowell, Albert W. (See Dowell, Richard S. and A. W.)
Dowell, Richard S. and A. W., London, England. Infant's feeding bottle and the like. 1,585,330; May 18.
Downing, William F., jr., assignor to Diamond Crystal Salt Company, St. Clair, Mich. Closure. 1,585,331; May 18.
Draeger, Lloyd H. (See Shafer, S., jr., and Draeger.)
Dreher, Otto, assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Star-wheel feeder. 1,585,238; May 18.
Drevet, Claude M., Paris France. Rotary pump. 1,585,187; May 18.
Driver-Harris Company. (See Walte, Edwin E., assignor.)
Drust, Leo M., assignor of one-half to J. H. Myler, Detroit, Mich. Hydraulic brake coupling. 1,585,541; May 18.

Dry Ice Corporation of America. (See Josephson, Walter S., assignor.)
Dunkelberger, Milton S., Dayton, Ohio. Toy dump car. 1,585,188; May 18.
Dunwoody, Henry H. C., Washington, D. C. Telephone receiver. 1,585,022; May 18.
Durand Steel Locker Company. (See Vance, Walter N., assignor.)
Eaton Rapids Woolen Mills. (See Simpson, Ada M., assignor.)
Easton, John S., Troy, N. Y. Fabric and collar made therefrom. 1,584,917; May 18.
Easton, John S., Troy, N. Y. Collar. 1,584,918; May 18.
Edeleanu, Lazar, Berlin-Charlottenburg, Germany. Motor fuel. 1,585,473; May 18.
Edwards, William A., assignor of three-fourths to C. W. Gillett, Chicago, Ill. Fuel reatomizer for gas engines. 1,585,139; May 18.
Ehart, Joseph A. S., et al. (See Elmore, Charles F., assignor.)
Ehrhart, Raymond N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-conserving apparatus. 1,584,758; May 18.
Elchorn, Arthur M., assignor to Everna Rubber Heel Corporation, New York, N. Y. Adjustable rubber heel. 1,584,983; May 18.
Eickman, Elmer H., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Nozzle for filling stations. 1,585,332; May 18.
Eisenberg, M., & Son. (See Crumley, Le Roy A.)
Eisemann Magneto Corporation. (See Livingston, Stanley D., assignor.)
Eisenhuth, Frederick G., Utica, N. Y. Gear or pulley removing tool. 1,584,855; May 18.
Electrical Engineers Equipment Co. (See Christensen, Christen, assignor.)
Elias, Nathaniel M. (See Harris, C. P., and Elias.)
Elmore, Charles F., et al. (See Elmore, Charles F., assignor.)
Elmore, Charles F., Chicago, assignor, by mesne assignments, to C. F. Elmore, J. Sawdon, J. C. Redington, and J. A. S. Ehart, Quincy, Ill. Duplex envelope. 1,585,239; May 18.
Emerson, John W., Lewiston, Idaho. Grease retainer for automobile rear axles. 1,585,189; May 18.
Engl, Josef. (See Massolle, J., Vogt, and Engl.)
Ensor, James L., Cookeville, Tenn. Gymnasium equipment. 1,585,334; May 18.
Enterprise Railway Equipment Company. (See Campbell, A., and Zimmer, assignors.)
Erban, Richard, Vienna, Austria. Gearing for transmitting rotary motions. 1,585,140; May 18.
Erdman, Carl A., Bixby, Okla. Automobile curtain attachment. 1,585,474; May 18.
Erskine-Danforth Corporation. (See Erskine, Ralph C., assignor.)
Erskine, Ralph C., Stamford, Conn., assignor to Erskine-Danforth Corporation. Table. Des. 70,164; May 18.
Etheridge, Harry, Zellenople, Pa. Pole. 1,584,919; May 18.
Everna Rubber Heel Corporation. (See Elchorn, Arthur M., assignor.)
Ewing, Edgar A., Chicago, Ill., assignor to the Government of the United States represented by the Secretary of the Navy. Torpedo. 1,584,981; May 18.
Eynon, George A., Parma Heights, Ohio. Carburetor. 1,584,759; May 18.
Faley, August F., Tulsa, Okla. Drilling and fishing jar. 1,585,475; May 18.
Fant, Patrick R., Sherman, Calif. Antiglare eye protector. 1,585,023; May 18.
Fantz, Fred C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Relief valve. 1,584,760; May 18.
Farwell, Fay O., Toledo, Ohio. Adjustable spotlight bracket. 1,585,335; May 18.
Faultless Caster Company. (See Noelting, William H., assignor.)
Favorite Stove & Range Company. (See Boal, S., Ross, and Dilworth, assignors.)
Febles, Ramon, Passaic, N. J., assignor of one-third to J. Y. Brown and one-third to G. P. Gill. Humidifying apparatus. 1,585,476; May 18.
Febles, Ramon, Passaic, N. J., assignor of one-third to J. Y. Brown and one-third to G. P. Gill. Casing tobacco. 1,585,477; May 18.
Federal Electric Company. (See Webb, Dudley R., jr., assignor.)
Federal Laboratories, Inc. (See Lawrence, Ruben B., assignor.)
Feeley, James R., Co. Inc. (See Jordan, George O., assignor.)
Feja, Robert J., Chicago, Ill. Gripping attachment for tires. 1,585,336; May 18.
Felt, John M., administrator. (See Page, Robert F.)
Feltenstein, Harry M., et al. (See Crumley, Le Roy A., assignor.)
Feuerlein, Johannes, Zehlendorf, near Berlin, Germany. Apparatus for distributing railway vehicles from a main line over a group of lines. 1,585,337; May 18.
Fife, Ikley C., Chicago, Ill., assignor to Standard Rights Company, Toledo, Ohio. Fastener. 1,585,478; May 18.
Finkhousen, Frank W., Fort Wayne, Ind. Vacuum cleaner. 1,584,985; May 18.
Fischer, John A., Toledo, Ohio. Circuit closer. 1,584,762; May 18.
Fischer, John A., Toledo, Ohio. Switch. 1,584,761; May 18.
Fisher Governor Company, The. (See Fisher, Jasper H., assignor.)
Fisher, Jasper H., assignor to The Fisher Governor Company, Marshalltown, Iowa. Automatic valve structure. 1,585,479; May 18.
Fisher, William T., Coventry, G. H. Whitehouse, Tipton, and G. F. R. Pineger, Little Aston, near Aldridge, assignors to The Whale Magazine Spanner Company, Limited, Tipton, England. Magazine spanner. 1,585,338; May 18.
Fitz Gerald, Arthur G., Brookline, Mass. Pneumatic tire. 1,585,339; May 18.
Fitzgerald, George B., Douglas, Ariz. Toy blinking eye. 1,585,340; May 18.
Fleming Machine Company. (See Blanch, Sven M., assignor.)
Fleming, Wells S., Portland, Oreg. Floor drain. 1,584,986; May 18.
Fletcher, Roy W., Salt Lake City, Utah. Adding machine. 1,585,480; May 18.
Flint, William A., and C. H. Cochran, assignors to Lamore Tile Machine Company, Crawfordsville, Ind. Mold for concrete blocks. 1,584,920; May 18.
Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, assignors to H. G. E. Cornelius, Stockholm, Sweden. Producing iron and the like with a certain percentage of carbon directly out of iron ore or the like. 1,585,240; May 18.
Flury, William J., and L. P. Brandel, Taft, Calif. Well fishing tool. 1,585,481; May 18.
Flygare, Carl G. (See Belden, A. G., and Flygare.)
Foote, John B., deceased, Oak Park, Ill.; J. T. Kerwin, administrator. Driving mechanism for tractors. 1,585,141; May 18.
Forges & Ateliers de Constructions Electriques de Jeumont. (See Charpentier, Paul, assignor.)
Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme. (See Perret, Joseph, assignor.)
Foulke, Roy D., assignor to W. De Puy, Warsaw, Ind. Surgical appliance. 1,585,341; May 18.
Fox, John G., Seattle, Wash. Bottle. Des. 70,165; May 18.
Fraser, Hannah C. and M. A., Bournemouth, England. Hairpin cushion. 1,585,482; May 18.
Fraser, Mary A. (See Fraser, Hannah C. and M. A.)
Freeman, Albert E. (See Smith, T. C., Freeman, and Simonds.)
Fryer, Charles K., Toledo, Ohio. Fish net. 1,585,483; May 18.
Fried. Krupp Aktiengesellschaft. (See Krüger, Paul, assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Herkt, Ernst, assignor.)
Frisbie, Zenus A. (See Gordon, F. E., and Frisbie.)
Fritz, John E., et al. (See Hoffman, Clay H., assignor.)
Fry, Arthur V. (See Lowell, J. B., and Fry.)
Fulton Company, The. (See Galli, Louis C., assignor.)
G. & H. Tire Chuck Gauge Company, The. (See Harris, William A., assignor.)
Gabriel Steel Company. (See Wall, Frank E., assignor.)
Galli, Louis C., New York, N. Y., assignor to The Fulton Company, Knoxville, Tenn., Temperature regulator for internal-combustion engines. 1,585,091; May 18.
Garden Novelty Co., The. (See Krug, George C., assignor.)
Garment Center Fibre Container Corp. (See Kondolf, Mathias R., assignor.)
Gas Research Company, The. (See Smith, Harry F., assignor.)
Gasoline Corporation. (See Greenstreet, Charles J., assignor.)
Gasser, Max, Darmstadt, Germany. Process and apparatus for the production of aerogeodetical stereophotographs. 1,585,484; May 18.
Gatzke, Rudolph R. (See Bailey, A. L., and Gatzke.)
Gaudy, Ralph J., assignor of one-half to E. O. Sessions, Chicago, Ill. System and method for operating electric furnaces. 1,584,763; May 18.
Gault, John W., Cynthiana, Ky. Pet-cock-operating device. 1,585,610; May 18.
Gearing, Harry. (See Monson, C. A., and Gearing.)
Gee, Hector L., and R. H. Darby, Lyons, Mich. Ice-scoring machine. 1,584,921; May 18.
Gemmer Manufacturing Company. (See Ragan, F. H., and Osburn, assignors.)
General Electric Company. (See Carpenter, C. F., and Weber, assignors.)
General Electric Company. (See Clothier, Stewart L., assignor.)
General Electric Company. (See Dickerson, Adolph F., assignor.)
General Electric Company. (See Just, Alexander, assignor.)
General Electric Company. (See Warner, John C., assignor.)
General Electric Company. (See Weed, James M., assignor.)
General Electric Company. (See Whelan, Dow O., assignor.)

General Electric Company. (See Thomas, Roy N., assignor.)
General Fire Extinguisher Company. (See Bisson, Louis A., assignor.)
General Motors Corporation. (See Jack, Robert K., assignor.)
Geppert, Joseph, assignor of one-half to M. Giese, Chicago, Ill. Alloy and producing the same. 1,584,922; May 18.
Gernsback, Hugo, New York, N. Y. Electrical switch. 1,585,485; May 18.
Gertz, Samuel, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Drying mechanism and the like. 1,584,764; May 18.
Gestetner, D., Limited. (See Lant, Richard, assignor.)
Getchell, Robert M., Dayton, Ohio. Apparatus for determining the moment of ignition in internal-combustion engines. 1,585,486; May 18.
Giese, Max. (See Geppert, Joseph, assignor.)
Gilbert, Marion L. and R. G., Des Moines, Iowa. Information-vending machine. 1,585,342; May 18.
Gilbert, Roy. (See Gilbert, Marion L. and R.)
Gill, G. P., et al. (See Febles, Ramon, assignor.)
Gill, Harrison M., and H. H. Bell, Taft, Calif. Recording device. 1,585,487; May 18.
Gillett, Charles W. (See Edwards, William A., assignor.)
Gillett, Charles W., assignor to The Turbulator Corporation, Chicago, Ill. Atomizer for internal-combustion engines. 1,585,142; May 18.
Gillette, Mott G., Garden City, N. Y. Buttonless trousers. 1,584,765; May 18.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,585,286; May 18.
Girdwood, Allan C., Baltimore, Md. Attachment for golf clubs. 1,585,190; May 18.
Glasgow, Ernest M., Towaco, N. J., assignor to Russell & Stoll Company, New York, N. Y. Snap switch. 1,585,143; May 18.
Goeser, Edwin W. (See Davidson, W. D., and Goeser.)
Good, Hardman A., Whangarei, New Zealand. Latch. 5,85,343; May 18.
Goode, William M., El Reno, Okla. Humidifier. 1,585,488; May 18.
Goodrum, Charles L., Rochester, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Controlling mechanism for progressively movable electric switches and other devices. 1,585,024; May 18.
Gordon, Frank E., and Z. A. Frisbie, Kansas City, Mo. Dike. 1,584,766; May 18.
Gorschalki, Bruno, and L. L. Riggin, Pasadena, Calif. Engine-flushing device. 1,585,025; May 18.
Gould, Edward F. (See Perkins, J. G. B., and Gould.)
Government and people of the United States. (See Johnson, Elmer, assignor.)
Government of the United States represented by the Secretary of the Navy. (See Ewing, Edgar A., assignor.)
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Granton, Ladislaus E., London, England. Deinking printed paper. 1,585,092; May 18.
Greegor, Ralph H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Winding and counterbalancing mechanism for curtains. 1,585,191; May 18.
Green, Ansel T., assignor to Hub City Iron Works, Aberdeen, S. Dak. Reboring appliance for engine bearings. 1,585,026; May 18.
Green, Francis L., Casper, Wyo. Sand-dome filter. 1,585,192; May 18.
Greenawalt, William E., Denver, Colo. Metallurgical apparatus. 1,585,344; May 18.
Greenstreet, Charles J., assignor to Gasoline Corporation, Chicago, Ill. Apparatus for controlling the supply of steam and oil to an oil-cracking still. 1,585,381; May 18.
Grimley, John P., Harrison, assignor to S. J. Rawlings, Kearney, N. J. Door holder. 1,585,241; May 18.
Grings, Casper H., assignor to Waterloo Saddlery Company, Waterloo, Iowa. Fly swatter. Des. 70,166; May 18.
Gruenberger, Otto, Wauwatosa, Wis. Electrical condenser. 1,584,923; May 18.
Grünewald, Hans, Worbis-Eichsfeld, assignor to Deutsche Zündholzfabriken Aktiengesellschaft, Cassel, Germany. Manufacturing magic candles. 1,585,287; May 18.
Guarantee Finding Co., The. (See Martin, Jack, assignor.)
Gliba, Ludvik, Bubenc, near Prague, Czechoslovakia. Securing railway rails. 1,585,027; May 18.
Guerrant, Russell H., assignor to Industrial Appliance Company, Chicago, Ill. Flour-treating apparatus. 1,584,924; May 18.
Guinn, Samuel E., Johnson City, Tenn., assignor to S. E. Guinn Manufacturing Co., Cincinnati, Ohio. Cigar lighter. 1,585,028; May 18.
Guinn, S. E., Manufacturing Co. (See Guinn, Samuel E., assignor.)
Gulf Refining Company. (See Prichard, G. L., and Henderson, assignors.)
Gump, Denzel R. (See Cole, J. L., and Gump.)
Gunther, David S., Denver, Colo. Grease, dirt, and paint removing apparatus. 1,584,925; May 18.
Gunther, Robert F. (See Anthes, Albert N., assignor.)
Gustafsson, Emil G. T. (See Flodin, H. G., and Gustafsson.)
Gutman, Charles H., Mount Vernon, N. Y. Ash receiver. Des. 70,167; May 18.
Gutman, Charles H., Mount Vernon, N. Y. Cigarette receptacle. Des. 70,168; May 18.
Guth, William T., Brooklyn, N. Y. Embedded inkstand. 1,585,029; May 18.
Haalck, Johann, J. R., Bakersfield, Calif. Boat-transporting apparatus. 1,585,193; May 18.
Hackmann, Frederick, Chicago, Ill. Track liner. 1,585,345; May 18.
Hadley Tag & Machine Co. (See Monson, C. A., and Gearing, assignors.)
Hageman, Frank E., assignor to The Milwaukee Electric Railway & Light Company, Milwaukee, Wis. Coin sorter. 1,585,242; May 18.
Haigh, George H., and E. J. Richards, Pittsburgh, Pa. Depth gauge for tanks. 1,585,382; May 18.
Hallman, Hubert V., Fort Washakie, Wyo. Multifocal glasses. 1,585,489; May 18.
Halnsworth, Arthur S., West Pittsburg, Pa. Work-holding clamp. 1,585,490; May 18.
Hale, Nathaniel, Whitesburg, Ky. School desk. 1,585,491; May 18.
Hale, Reid, Brentwood, Mo. Joint fastener. 1,584,926; May 18.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Automatic reversing device for rope hoists. 1,585,492; May 18.
Halferty, Irwin H., Pittsburgh, Pa. Smoking pipe or tube. 1,585,383; May 18.
Hall, Roy M., Valparaiso, Ind. Repinceable memorandum pad. 1,584,927; May 18.
Hallock, Raymond G., Bremerton, Wash. Carburetor adjuster and gasoline-line-locking device. 1,585,346; May 18.
Hamel, Oscar C., Salem, Mass. Drum-driving mechanism. 1,585,493; May 18.
Hamilton, Louis W., Kenosha, Wis. Hot-air furnace. 1,585,030; May 18.
Hanau, Herman, Philadelphia, Pa. Bottle opener and cap. 1,585,384; May 18.
Handlan, Alexander H., St. Louis, Mo. Lantern. 1,584,928; May 18.
Handy Governor Corporation. (See Handy, R. G., and Bull, assignors.)
Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,584,929; May 18.
Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,584,930; May 18.
Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,584,931; May 18.
Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,584,932; May 18.
Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,584,933; May 18.
Hannebohn, Curt W. A., assignor to A. Kellner, Berlin-Charlottenburg, Germany. Locking device for carriage doors. 1,585,144; May 18.
Hanselman, Carl, Eau Claire, Wis. Hay harvester. 1,585,243; May 18.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,584,767; May 18.
Harding, Charles H., Fort Smith, Ark. Manufacture of sheet glass. 1,584,768; May 18.
Hardwicke-Etter Company. (See Stroun, John A., assignor.)
Harper, Laura G., Rockford, Ill. Combined book and magazine stand. Des. 70,169; May 18.
Harris, Clarence P., New York, N. Y., and N. M. Elias, New Brunswick, N. J. Dinzotization of organic compounds. 1,585,145; May 18.
Harris, William A., assignor to The G. & H. Tire Chuck Gauge Company, Greenville, S. C. Adjustable pressure feed and equalizing chuck for inflating hose. 1,584,934; May 18.
Harshman, (Mrs.) J. N. (See Crockett, Thomas E., assignor.)
Hartman, Harry, Los Angeles, Calif. Belt buckle. 1,585,031; May 18.
Harvey, William F., Toronto, Ontario, Canada. Dispensing carton. 1,585,494; May 18.
Hathorn, Charles E., Hempstead, N. Y. Clamp. 1,584,935; May 18.
Hauck, Carl H., Chicago, Ill. Light-circuit interrupter. 1,584,856; May 18.
Haughton Elevator & Machine Co., The. (See Thurston, Ernest B., assignor.)
Hawkins, Guy P., assignor to The Murray Company, Dallas, Tex. Automatic lock and release belt shifter and brake. 1,585,385; May 18.
Hayes Wheel Company. (See Main, Frank L., assignor.)
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Manufacturing yarn. 1,585,611; May 18.

Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn. 1,585,612; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and mechanism for and making the same. 1,585,613; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and apparatus and process for making yarn. 1,585,614; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Process and apparatus for making yarn. 1,585,615; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and making same. 1,585,616; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Coreless yarn and making same. 1,585,617; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and making the same. 1,585,618; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and making the same. 1,585,619; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and making same. 1,585,620; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Reenforced yarn. 1,585,621; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Yarn and making same. 1,585,622; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Friction fabric and making same. 1,585,623; May 18.
Henny, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Friction fabric and yarn for making the same. 1,585,624; May 18.
Hecker, Frederick A., Jersey City, N. J. Play board. 1,584,936; May 18.
Heinrich, Jean M., assignor to Société des Moteurs Salmson (Système Canton-Unne), Paris, France. Extension arrangement for the propeller shafts of aviation engines. 1,585,631; May 18.
Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Indicating instrument. 1,584,742; May 18.
Hench, Warren W., Undercliffe, Colo. Hay rake and cocker. 1,585,093; May 18.
Henderson, Herbert. (See Prichard, G. L., and Henderson.)
Hendricks, Harmon H., Huntington, Ind. Carburetor. 1,585,094; May 18.
Henry, Kenneth M., assignor to Illinois-Pacific Glass Company, San Francisco, Calif. Annealing glass. 1,585,542; May 18.
Hensley, Kellis S., Hubbell, W. Va. Gasoline filter. 1,584,743; May 18.
Hepperle, William J., Bloomfield, N. J., assignor to The Lamson Company, Syracuse, N. Y. Carrier-sorting device for pneumatic conveyer systems. 1,585,288; May 18.
Herkel, John W., Middleville, and J. D. McCoy, Little Falls, N. Y. Guard for leather-pressing machines. 1,585,585; May 18.
Herkt, Ernst, Kiel-Hassee, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal-combustion engine. 1,585,095; May 18.
Herman, Karl, Trenton, N. J. Air engine. 1,584,937; May 18.
Herrick, Rufus F., Winchester, Mass. Rubber compound paving block. 1,585,386; May 18.
Herrly, Clarence J., Niagara Falls, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Making crotonaldehyde. 1,585,096; May 18.
Herskovitz, Max, deceased; W. Herskovitz and C. Weinfeld, executors, assignors to Peerless Light Company, Chicago, Ill. Electric-lighting fixture and lamp socket therefor. 1,585,011; May 18.
Herskovitz, William, et al., executors. (See Herskovitz, Max.)
Heslar, Ola F., assignor to Indiana Manufacturing & Electric Co., Marion, Ind. Vernier rheostat. 1,585,347; May 18.
Hess, Elizabeth B., Naches, Wash. Ice trunk. 1,585,032; May 18.
Hewitt, Leon A., assignor of one-half to F. E. Collins, Livermore, Iowa. Aeroplane. 1,585,586; May 18.
Hexter, Julian S., Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,584,744; May 18.
Heyl, Herman F., and W. G. Hulbert, assignors to William Wharton Jr. & Company, Incorporated, Easton, Pa. Insulated gauge rod. 1,585,495; May 18.
Hick, Godfrey M. and N. G., Brentwood, England. Molding and hardening phenol-aldehyde condensation products. 1,585,348; May 18.
Hick, Naomi G. (See Hick, Godfrey M. and N. G.)
Hicks, William W. (See Kercher, A. J., and Hicks.)
Hidalgo, Cutberto, and J. L. Zuazua, Los Angeles, Calif. Midiumistic board. Des. 70,170; May 18.
Higbee, George H., jr., Berkeley, Calif. Adjustable mirror mounting. 1,584,938; May 18.
Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 70,171; May 18.
Hi-Lo Fan Corporation. (See Leinweber, William H., assignor.)
Hilton, James A., Lynchburg, Va. Mop head. 1,585,033; May 18.
Himberger, Earl W., assignor to Pacific Marine Supply Company, Seattle, Wash. Forest-fire-fighting apparatus. 1,585,146; May 18.
Hobbs, Samuel T., assignor to The Washburn Company, Worcester, Mass. Bottle holder. 1,584,857; May 18.
Hobson, Marshall F., and W. H. Moore, Oakland, Calif. Egg cooker. Des. 70,172; May 18.
Hodaly, Emerik, Inspiration, Ariz. Toilet article. 1,584,858; May 18.
Hodge, Carroll. (See Kershaw, W. E., and Hodge.)
Hoff, Earl B., East Cleveland, assignor to The Azor Motor Manufacturing Company, Cleveland, Ohio. Window-cleaning device. 1,585,349; May 18.
Hoffman, Ben P. (See Bisbee, W. G., and Hoffman.)
Hoffman, Benjamin F. (See Schulhoff, S., and Hoffman.)
Hoffman, Clay H., assignor of one-third each to J. E. Fritz and W. E. Crichton, Portsmouth, Ohio. Headlight glareshield. 1,585,194; May 18.
Hoffman, William H., assignor to C. F. Burgess Laboratories, Madison, Wis. Short-wave-length transmitter. 1,585,244; May 18.
Holdsworth, Frank, Eastwood, assignor to The Lamson Company, Syracuse, N. Y. Designator for pneumatic carriers. 1,585,289; May 18.
Holle, Alexander A., Paddington, London, England. Suspension of motor road vehicles. 1,585,097; May 18.
Holley, James B. (See Canada, George B., assignor.)
Holman, Rudolph, Chicago, Ill., assignor to The Vorter Mfg. Co. Automatic cup-blank-feed attachments for cup-forming machines. 1,584,745; May 18.
Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Controlling electrically-operated machines. 1,584,939; May 18.
Holmes, Oscar J., Tulsa, Okla. One-pipe sprinkler system. 1,585,147; May 18.
Holmes, Ralph C., New York, N. Y., F. T. Manley, Houston, and O. Behimer, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Making gasoline. 1,585,496; May 18.
Holtz, Arra M., Atlanta, Ga. Paper weight or similar article. Des. 70,173; May 18.
Honeywell Heating Specialties Company, The. (See Roby, Kenneth K., assignor.)
Hopkins, Harry W. (See Roberts, W. W., Robinson, and Hopkins.)
Hornecker, George, Elmhurst, assignor to L. R. Conwell, New York, N. Y. Advertising device. 1,584,940; May 18.
Hörold, Ludwig, Wiesbaden, Germany. Roller guide for saw frames for horizontal and vertical multiple-blade saw frames. 1,585,543; May 18.
Horton Manufacturing Company. (See Peters, Arthur H., assignor.)
Houlis, Louis D., Dallas, Tex. Baking oven. 1,585,148; May 18.
Howland, George A., Chicago, assignor to J. H. Thornburn, Urbana, and E. I. Burke, Champaign, Ill. Plate for secondary batteries. 1,585,034; May 18.
Howland, George A., Chicago, assignor to J. H. Thornburn, Urbana, and E. I. Burke, Champaign, Ill. Electrolyte for secondary batteries. 1,585,035; May 18.
Howlett, Clarence, La Porte, Ind. Clothes wringer. 1,585,245; May 18.
Hoy, Ole, Chicago, Ill. Filter. 1,585,246; May 18.
Hubbard, William E., San Francisco, Calif. Pump. 1,585,544; May 18.
Hub City Iron Works. (See Green, Ansel T., assignor.)
Huber, J. M., Co. of Louisiana, Inc. (See Price, Howard W., assignor.)
Hudson, William T. (See Dobbins, Mal R., assignor.)
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Volume-regulator gauge. 1,584,859; May 18.
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Volume-regulator gauge. 1,584,860; May 18.
Hulbert, William G. (See Heyl, H. F., and Hulbert.)
Hull, J. H. (See Taylor, Lewis A., assignor.)
Hulse, Delbert T., Kansas City, Mo. Drier and deodorizer. 1,585,387; May 18.
Humphrey, George C., assignor to United Products Company, Incorporated, Los Angeles, Calif. Die for the continuous production of cellulosic fuel. 1,585,149; May 18.
Hunt, Seth R., trustee. (See Mann, M. D., jr., and Lebo, assignors.)
Hurd, Ephraim L., Oklahoma City, Okla. Laundry machine. 1,584,769; May 18.
Hurd, Ephraim L., Oklahoma City, Okla. Washing machine. 1,584,770; May 18.
Hurd, Ephraim L., Oklahoma City, Okla. Mechanical movement. 1,584,771; May 18.
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Friction door holder. 1,585,247; May 18.

Hutchens, Edward, Milwaukee, Wis. Tire-vulcanizing apparatus. 1,584,941; May 18.
Hyde, Rollin M., Detroit, Mich. Radiator construction. 1,584,772; May 18.
Ideal Wrapping Machine Company. (See Sergent, Walter H., assignor.)
Ile, William, Jackson, Mich. Detachable plug. 1,585,350; May 18.
Illinois-Pacific Glass Company. (See Henry, Kenneth M., assignor.)
Indiana Manufacturing & Electric Co. (See Heslar, Ola F., assignor.)
Indioleum Products Co. (See Reichert, Samuel, assignor.)
Industrial Appliance Company. (See Guerrant, Russell H., assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
Ingersoll-Rand Company. (See Mock, John F., assignor.)
Ingersoll-Rand Company. (See Page, Robert F., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingham, Richard, Nashua, N. H. Comfort chair for children and invalids. 1,585,545; May 18.
Ingram, Orum H. (See Clevenger, E. W. and Wine, assignors.)
Ingram, Walter M., Sudbrook Park, assignor to The Sanitary Tea Bagging Company, Baltimore, Md. Card-feeding mechanism. 1,584,773; May 18.
International Callophone Corporation. (See Kurman, Nathan A., assignor.)
International Filter Co. (See Behrman, Abraham S., assignor.)
Ionides, Philip D., London, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, England. Electric crane. 1,585,351; May 18.
Isaacs, Elza L., West Frankfort, Ill., assignor, by mesne assignments, to American Boiler Washing Device Company. Sediment remover for boilers. 1,585,632; May 18.
Ives, Frederic E., Philadelphia, Pa., and J. F. Leventhal, New York, N. Y. Producing prints in black and a single color and the resulting product. 1,585,388; May 18.
Ives, H. B., Co., The. (See Parker, Benjamin A., assignor.)
Jack, Robert K., Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Adjustable hood hinge and brace rod. 1,584,942; May 18.
Jacobs, George A., Chicago, Ill. Windshield hinge. 1,585,248; May 18.
Jacobus, Ernest F. (See Coursen, P. E., and Jacobus.)
Jenkins, Thomas A., Roselle, N. J. Electric turn signal for automobiles. 1,585,546; May 18.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Indicating arrangement for pneumatic-tube carriers. 1,585,290; May 18.
Jennings, Oliver S., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch box. 1,585,150; May 18.
Jepsen, Henry, West Hartford, assignor to Jewell Belting Company, Hartford, Conn. Manufacture of receptacles. 1,584,774; May 18.
Jewell Belting Company. (See Jepsen, Henry, assignor.)
Johanson, Adolph T., assignor of one-half to M. E. Page, jr., Chicago, Ill. Internal-combustion-engine heater. 1,584,943; May 18.
Johns, William F., Raglan, New Zealand. Gripping means for rifles and shotguns. 1,585,249; May 18.
Johnson, Arthur J., Chicago, Ill. Blower construction. 1,584,944; May 18.
Johnson, Elmer, Washington, D. C., assignor to the Government and the people of the United States. Airplane powder-dusting apparatus. 1,584,945; May 18.
Johnson, John A., Spokane, Wash., assignor of one-half to A. Nelson, Hugo, Colo. Tamping machine. 1,585,098; May 18.
Johnson & Johnson. (See Kenyon, William J., assignor.)
Johnson, Stephens & Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
Johnston, John W., Stockton, Calif. Bank-protecting device. 1,585,151; May 18.
Johnston, Leonard, Belfair, Wash. Log trailer. 1,584,862; May 18.
Jones, Edmund H., Milwaukee, assignor to Milwaukee Corrugating Company, Greenfield, Wis. Device for setting up corner beads. 1,585,036; May 18.
Jones, Homer A., Okemah, Okla. Flexible wrench. 1,584,861; May 18.
Jones, Hugh P. H., Oakland, Calif. Wreath holder. 1,585,547; May 18.
Jones, John E., Throop, Pa. Automatic lock and release for mine cars. 1,584,746; May 18.
Jones, John L., Savannah, Ga. Saw filing and gauging device. 1,585,548; May 18.
Jonian, Mezordich M., Chelsea, Mass. Beehive. 1,584,775; May 18.
Jonick-Sirken Co. (See Knieriem, John, assignor.)
Jordan, George, Chilliwack, British Columbia, Canada. Live-saving device. 1,585,195; May 18.
Jordan, George, Chilliwack, British Columbia, Canada. Jack. 1,585,291; May 18.
Jordan, George O., North Attleboro, Mass., assignor to James R. Feeley Co., Inc., Providence, R. I. Medal. Des. 70,174; May 18.
Jorgensen, Hans G., Erie, Pa. Pencil holder. 1,584,776; May 18.
Jorgensen, Wesley, Cincinnati, Ohio. Sand-blast apparatus. 1,585,549; May 18.
Jose, Thomas H. (See Symons, J. V., Jose, and Thackray.)
Josephson, Walter S., Brooklyn, assignor, by mesne assignments, to Dry Ice Corporation of America, New York, N. Y. Grease gun. 1,584,863; May 18.
Joyce, Bryan P., Davenport, Iowa, assignor to T. A. Conlon, Silver Spring, Md. Gun carriage. 1,584,946; May 18.
Judd, Francis L., and E. D. Pitt, assignors to Curkoid Corporation, New York, N. Y. Inductance coil. 1,585,389; May 18.
Just, Alexander, Budapest, Hungary, assignor to General Electric Company. Manufacturing ductile tungsten. 1,585,497; May 18.
Kadavy, Godfrey J., Ravenna, Nebr. Ether-can attachment dropper. 1,584,864; May 18.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,585,550; May 18.
Kahle, Augustus O., assignor of one-half to L. Romanski, Chicago, Ill. Fluid-pressure-testing device. 1,584,865; May 18.
Kaiser, Frederick C. and F. H., Muncie, Ind. Display device. 1,584,777; May 18.
Kalina, Loeser, Brooklyn, N. Y. Telephone attachment. 1,585,250; May 18.
Kasian, Michael J., Chicago, Ill. Bookmark and leaf clamp. 1,585,037; May 18.
Katz, Charles, Baltimore, Md. Umbrella carrier. 1,585,551; May 18.
Kaufman, Reuben, Utica, N. Y. Pencil. 1,585,196; May 18.
Keeler, Earl A., assignor to Brown Instrument Company, Philadelphia, Pa. Optical pyrometer. 1,585,152; May 18.
Kégresse, Adolphe, Paris, France. Supporting truck for endless-track belts. 1,585,099; May 18.
Kégresse, Adolphe, Paris, France. Load-distributing device for endless-track vehicles. 1,585,100; May 18.
Kehr, William M., Carthage, Mo. Railway tie. 1,585,552; May 18.
Keller, Peter, Brooklyn, N. Y. Reed for wire-mesh making. 1,585,153; May 18.
Kelley, James, St. Louis, Mo. Smoke-consuming furnace. 1,584,947; May 18.
Kellner, Alexis. (See Hannebohn, Curt W. A., assignor.)
Kennedy, Henry A., New York, N. Y. Game apparatus. 1,585,251; May 18.
Kenyon, William J., assignor to Johnson & Johnson, New Brunswick, N. J. Packaging surgical sutures. 1,585,498; May 18.
Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric heater. 1,584,948; May 18.
Kerrigan, Frank S., Nashville, Tenn. Air manifold for locomotives. 1,585,499; May 18.
Kershaw, William E., Philadelphia, and C. Hodge, Radnor, Pa. Battery-cell filler. 1,585,500; May 18.
Kerwin, John T., administrator. (See Foote, John B.)
Kimball, Philip S., assignor to F. W. Mann Company, Milford, Mass. Jack. 1,584,866; May 18.
Kimble, George W., Seattle, and L. Watson, Seaback, Wash. Railway-tie remover and replacer. 1,585,154; May 18.
Kingsbury, Harry T., Keene, N. H. Toy wheel. 1,584,778; May 18.
Kinnear Manufacturing Company, The. (See Greegor, Ralph H., assignor.)
Kirkpatrick, Walter, Hutchinson, Kans. Ridge-buster attachment. 1,585,292; May 18.
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 70,175; May 18.
Kneemoeller, Harry W., jr., Philadelphia, Pa. Clothes prop. 1,585,587; May 18.
Knieriem, John, Brooklyn, N. Y., assignor to Jonick-Sirken Co., Inc. Wall bracket for lighting fixtures. Des. 70,176; May 18.
Kokomo Automotive Mfg. Co. (See Albright, Nell T., assignor.)
Kondolf, Mathias R., Bala-Cynwyd, Pa., assignor, by mesne assignment, to Garment Center Fibre Container Corp., New York, N. Y. Collapsible box. 1,585,390; May 18.
Konigsberg, Joseph H., New York, N. Y. Metal-mixing machine. 1,585,155; May 18.
Koppers Company, The. (See Darrin, Marc, assignor.)
Kostrzewski, Stephen, New Canaan, Conn., assignor to A. Stolzer, New York, N. Y., doing business under the name and style of New England Incandescent Supply Company, Chandelier. Des. 70,177; May 18.
Kraft, Frank E., Kansas City, Mo. Dry-room tumbler. 1,584,867; May 18.
Kramer, Louis A., Chicago, Ill. Carcass-dehairing machine. 1,585,553; Apr. 22.
Kramer, Louis A., Chicago, Ill. Hog-dehairing machine. 1,585,554; May 18.

Krautheim, Bertha, administratrix. (See Krautheim, Richard J.)
Krautheim, Richard J., deceased, Newark, N. J.; B. Krautheim, administratrix. Trolley-head support. 1,585,352; May 18.
Kreider, Ewald W., East Point, Ga. Smoothing iron. 1,585,501; May 18.
Krieger, George F., Wisconsin Rapids, Wis. Cotter-pin puller. 1,585,588; May 18.
Krug, George C., assignor to The Garden Novelty Co., Milwaukee, Wis. Chemical garden and making the same. 1,584,779; May 18.
Krüger, Paul, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Underframe for railway cars. 1,585,101; May 18.
Kubota, Gonshiro, Minami-Ku, Osaka, Japan. Apparatus for casting cast iron pipes. 1,585,391; May 18.
Kurman, Nathan A., New York, N. Y., assignor to International Callophone Corporation. Telephone system. 1,584,949; May 18.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper slitter. 1,584,868; May 18.
Kyle, William A. (See McLean, N. W., and Kyle.)
La Chance, Joseph, Morgan Hill, Calif. Machine for clarifying smoke and recovering deposits therefrom. 1,585,502; May 18.
Ladd, Lester L., Lockport, Ill. Grain-cutting apparatus. 1,584,869; May 18.
Laforge, Pierre, Paris, France. Shock absorber. 1,585,156; May 18.
Lagergren, Jonas T., assignor, by mesne assignments, to Sentinel Ice Machine Company, Erie, Pa. Pressure-controlled valve and switch for refrigerating machines. 1,584,870; May 18.
Lambert, Edmond H. (See Skinner, R. L., Walrath, and Lambert.)
Lamore Tile Machine Company. (See Flint, W. A., and Cochran, assignors.)
Lanphere, Clive W., New York, N. Y. Curved bolt lock. 1,584,950; May 18.
Lamson Company, The. (See Cowley, James T., assignor.)
Lamson Company, The. (See Hepperle, William J., assignor.)
Lamson Company, The. (See Holdsworth, Frank, assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Lamson Company, The. (See Peebles, Frank B., assignor.)
Landis & Gyr, S. A. (See Beusch, Willi, assignor.)
Langdon, James G., West Somerville, Mass. Sectional desk. 1,585,102; May 18.
Lange, Marie A., Indianapolis, Ind. Ink-removing liquid composition. 1,584,871; May 18.
Langworthy, Mitchell, Spokane, Wash. Surgical appliance. 1,584,780; May 18.
Langworthy, Mitchell, Spokane, Wash. Portable fracture bed. 1,584,781; May 18.
Lant, Richard, Vienna, Austria, assignor, by mesne assignments, to D. Gestetner, Limited, London, England. Stencil sheet. 1,584,951; May 18.
La Plante, Odina, Fall River, Mass. Picker for picker sticks. 1,584,872; May 18.
Larsen, Jens M., San Francisco, Calif. Tile filler. 1,585,503; May 18.
La Société d'Etudes et de Construction de Matériel de Protection, Siège Social. (See Robert, Remy J., assignor.)
Lathrop, Harry D., Chicago, Ill. Bottle-washing machine. 1,585,392; May 18.
Latta, Charles, St. Louis, Mo. Piston-sealing ring. 1,584,873; May 18.
Lauderdale, James M., Mexia, Tex. Belt dressing. 1,584,952; May 18.
Laughlin Filter Corporation. (See Laughlin, William C. assignor.)
Laughlin, William C., Glendale, Calif., assignor to Laughlin Filter Corporation, New York, N. Y. Machine for continuous separation of solids from liquids or liquids from liquids and separating the same. 1,585,393; May 18.
Laurie, Arthur P., Edinburgh, Scotland. Preservation of stone. 1,585,103; May 18.
Lawrence, Ruben B., Bethesda, Md., assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Article-carrying container. 1,585,394; May 18.
Lawton, C. A., Co. (See Marshall, Francis C., assignor.)
Lear, Jesse C., Vandergrift, Pa. Roll heater. 1,585,589; May 18.
Learmont, Ray, Boorowa, New South Wales, Australia. Seat-operated air storage and brake. 1,584,953; May 18.
Lebo, Robert B. (See Mann, M. D., jr., and Lebo.)
Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,585,252; May 18.
Lee, Harry S., Plymouth, Mich. Ring-molding apparatus. 1,584,782; May 18.
Lee, Harry S., and A. E. Chaffee, Plymouth, Mich.; said Chaffee assignor to said Lee. Control for permanent mold distortion. 1,584,954; May 18.
Lee, William S., assignor to Realty Investment and Securities Company of Charlotte, Charlotte, N. C. Rack frame. 1,585,157; May 18.
Legare, Leon, Hoffman, Minn. Steel bobsled. 1,585,293; May 18.
Lehecka, Frank H., Chicago, Ill., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Rail clamp. 1,585,504; May 18.
Leinweber, William H., assignor to Hi-Lo Fan Corporation, Chicago, Ill. Fluid propeller. 1,584,955; May 18.
Leland, Warren S. D. (See Vaughan, R. E., and Leland.)
Le Petit, Charles J. M. M., Paris, France, assignor of one-fifth to J. S. Burns, London, England. Treatment of hides, skins, and the like. 1,585,395; May 18.
Leslie, Harry J., and E. Raby, St. Joseph, Mo. Ring-compressing tool. 1,584,783; May 18.
Leventhal, Jacob F. (See Ives, F. E., and Leventhal.)
Lewis, E. F., et al. (See McCollough, Charles D., assignor.)
Lewis, Frank W., Davenport, Iowa. Safety brake connection. 1,584,874; May 18.
Lewis, George W., et al. (See McCollough, Charles D., assignor.)
Lewis, Thomas K., Albany, N. Y. Storage-battery element. 1,584,747; May 18.
Lidholm, Johan H., Wargon, Sweden. Producing a fertilizer of urea. 1,584,875; May 18.
Linderman, Bert A., New York, N. Y., assignor to Linderman & Company, Wilmington, Del. Pressure-control valve. 1,585,038; May 18.
Linderman & Company. (See Linderman, Bert A., assignor.)
Lindstedt & Hammar Aktiebolag. (See Rylander, Anders J. E., assignor.)
Link, Albert C., Chicago, Ill., assignor to Thomas E. Wilson & Company. Golf club. 1,585,294; May 18.
Link-Belt Company. (See Morehead, G. L., and O'Neil, assignors.)
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation. Steering-knuckle lubrication. 1,585,396; May 18.
Lionel Corporation, The. (See Caruso, Mario, assignor.)
Lipsius, Samuel, New York, N. Y. Powdering machine. 1,584,956; May 18.
Lipkemann, Henry, New York, assignor, by mesne assignments, to The Abco Boiler Corporation, Brooklyn, N. Y. Furnace. 1,585,297; May 18.
Lisson, Louis, Syracuse, N. Y. Tire coupling. 1,585,590; May 18.
Livingston, Stanley D., New York, assignor to Elsemann Magneto Corporation, Brooklyn, N. Y. Radiotransformer. 1,585,158; May 18.
Locomotive Feed Water Heater Company. (See Averill, Earl A., assignor.)
Logwood, Charles V., Brooklyn, N. Y., assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Thermal generator. 1,585,159; May 18.
Lohse, William C., Stratford, Conn., assignor to The R. Neumann Hardware Co. Top band for bag frames. Des. 70,179; May 18.
Loomis, Allen, Toledo, Ohio. Octave key. 1,585,295; May 18.
Loomis, Allen, Elkhart, Ind. Key mechanism for clarinets and the like. 1,585,296; May 18.
Loth, Ben, Cincinnati, Ohio. Aeroplane and other heavier-than-air machine. 1,584,876; May 18.
Lovejoy, Ralph M., Meredith, N. H. Shock-absorber arm and connection. 1,584,957; May 18.
Lovekin, Luther D., Ardmore, Pa. Safety valve for water heaters. 1,585,253; May 18.
Lovelace, Robert A., Merced Falls, Calif. Mold. 1,584,784; May 18.
Lowell, John B., Bristol, Conn., and A. V. Fry, Ridgewood, N. J. Game apparatus. 1,585,160; May 18.
Löwy, Heinrich, Vienna, Austria. Means for electric proof and measuring of the distance of electrically-conductive bodies. 1,585,591; May 18.
Loycano, John, Boston, Mass. Drawing-board attachment. 1,585,397; May 18.
Lund, Halvor A., and J. A. Barlow, Los Angeles, Calif. Dowel bearing plate and method of mounting. 1,585,254; May 18.
Lundgren, Charles G. (See Lundgren, J. P. and C. G.)
Lundgren, John P. and C. G., St. Paul, Minn. Rail-mounting means. 1,585,039; May 18.
Lundvall, Erik A., Grantwood, N. J., assignor to United States Gauge Company, New York, N. Y. Pocket tire gauge. 1,585,398; May 18.
Lupton's, David, Sons Company. (See Berger, Charles, assignor.)
Lusby, John G., Harrisburg, Pa. Badge or similar article. Des. 70,180; May 18.
Lykken, Henry G. (See Wilson, W. E., and Lykken.)
MacClatchie, John W., Compton, Calif. Weight indicator. 1,584,958; May 18.
MacEachen, Roderick, Washington, D. C. Mining machine. 1,585,041; May 18.
MacFadyen, Loudon E., Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Drag-conveying chain. 1,585,506; May 18.
Mackay, John J., Minneapolis, Minn. Wheel for use on tracks. 1,584,786; May 18.
Mackey, James D., Parkersburg, W. Va. Clarinet. 1,585,594; May 18.

Maclaren, James G., Mamaroneck, N. Y., assignor, by mesne assignments, to The Lamson Company. Carrier distributor. 1,585,302; May 18.
Maclaren, James G., Mamaroneck, N. Y., assignor, by mesne assignments, to The Lamson Company, Central distributing apparatus for dispatch systems. 1,585,303; May 18.
Maclaren, James G., Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, Carrier distributor for penumatic-dispatch systems. 1,585,304; May 18.
Maclaren, James G., Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, Spacing device for pneumatic-dispatch systems. 1,585,305; May 18.
MacPherson, Ralph G. S., Christchurch, New Zealand. Mop. 1,585,306; May 18.
Macy, Frank, Converse, Ind. Serving set. 1,584,879; May 18.
Madsen, Charles P., Newark, N. J., assignor to Madsenell Corporation New York, N. Y. Electrodeposited metal. 1,584,959; May 18.
Madsenell Corporation. (See Madsen, Charles P., assignor.)
Magazine Repeating Razor Company. (See Schick, Jacob, assignor.)
Magidson, Frank, Pittsburgh, Pa., assignor to A. Murdoch. Spring motor. 1,585,161; May 18.
Mazoun, Francis P., Cambridge, Mass. Device for submarine sounding from vessels under way. 1,584,880; May 18.
Main, Frank L., Birmingham, assignor to Hayes Wheel Company, Jackson, Mich. Wheel. 1,585,401; May 18.
Mallory Electric Corporation. (See Mallory, Marion, assignor.)
Mallory, Marion, assignor to Mallory Electric Corporation, Toledo, Ohio. Engine-ignition timer. 1,584,881; May 18.
Mallory, Marion, assignor to Mallory Electric Corporation, Toledo, Ohio. Ignition system. 1,585,402; May 18.
Maney, Melvin L., West Asheville, N. C. Road-maintenance machine. 1,585,307 May 18.
Manifold Impressions Corporation. (See Armistead, Hubert M., assignor.)
Manley, Frederick T. (See Holmes, R. C., Manley, and Behlmer.)
Mann, F. W., Company. (See Kimball, Philip S., assignor.)
Mann, Matthew D., jr., Roselle, and R. B. Lebo, Elizabeth, N. J., assignors to S. B. Hunt, trustee, Mount Kisco, N. Y. Purifying and deodorizing isopropyl alcohol. 1,585,042; May 18.
Manning, Maxwell & Moore, Inc. (See Heise, Otto W., assignor.)
Manning, Maxwell & Moore, Inc. (See Rice, Willis B., assignor.)
Mansurzadah, Abdul A., Oakland, Calif. Marking glass. 1,585,555; May 18.
Marchand, Alexis, Seattle, Wash., assignor to P. D. Range, trustee for Securities Sales Syndicate. Nut lock. 1,585,595; May 18.
Marcoux, John, Sapperton, British Columbia, Canada. Mechanical toy. 1,585,197; May 18.
Marcus, Charles L., New York, N. Y. Perfume container. Des. 70,181; May 18.
Markel Lighting Fitments, Inc. (See Balk, Joseph J., assignor.)
Markey, John J., Washington, Pa. Tinning pot. 1,585,308; May 18.
Markham, James H., and A. M. Crugar, Oakland, Calif. Toy baseball game. 1,585,556; May 18.
Marquette Manufacturing Company. (See Nordgren, Algot W., assignor.)
Marsh, Henry S., and R. S. Cochran, Youngstown, Ohio. Thermoelectric pyrometer. 1,584,882; May 18.
Marshall, Francis C., Green Bay, assignor to C. A. Lawton Co., De Pere, Wis. Valve mechanism for compressors. 1,584,787; May 18.
Martin, Jack, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J. Finger ring Des. 70,182; May 18.
Maskrey, Arthur J., jr. (See Streb, C. A., and Maskrey, jr.)
Massette, Louis A., Detroit, Mich. Spinning top. 1,584,960; May 18.
Massolle, Joseph, Berlin-Grunewald, H. Vogt, Berlin-Wilmersdorf, and J. Engl, Berlin-Grunewald, Germany, assignors to Tri-Ergon, Limited, Zurich, Switzerland. Telephone. 1,585,333; May 18.
Master, Albert, Park Ridge, Ill. Friction clutch. 1,585,256; May 18.
Mathews, Fred. (See Strid, Sven J., assignor.)
Matteucci, Raffaele, Turin, Italy. Planetary gear. 1,585,198; May 18.
Mayer, Joseph F., and F. Riemer, St. Louis, Mo. Combination gasket and mixing device. 1,585,403; May 18.
Mayford, John, jr., Chicago, Ill. Combination blotter and calendar holder. Des. 70,178; May 18.
Maynard, Arthur H., Warwick, assignor to Boston Wire Stretcher Company, East Greenwich, R. I. Stapling machine. 1,584,788; May 18.
McArthur, Mary J., Cleveland, Ohio. Window box. 1,585,592; May 18.
McCasland, Robert W., Crafton, Pa. Material-handling apparatus. 1,585,399; May 18.
McCollough, Charles D., Des Moines, assignor to himself and E. F. and G. W. Lewis, Cambridge, Iowa. Resilient wheel tire. 1,584,785; May 18.
McCorkle, D. H., Manufacturing Co. (See McCorkle, Donald H., assignor.)
McCorkle, Donald H., Oakland, Calif., assignor to D. H. McCorkle Manufacturing Co. Brooder stove. 1,584,877; May 18.
McCormick, Maude W., administratrix. (See McCormick, Oscar C.)
McCormick, Oscar C., deceased, Cleveland Heights, Ohio; M. W. McCormick, administratrix. Hollow-clay structural unit. 1,584,987; May 18.
McCormick, Oscar C., deceased, Cleveland Heights, Ohio; M. W. McCormick, administratrix. Hollow-clay structural unit. 1,584,988; May 18.
McCoy, James D. (See Herkel, J. W., and McCoy.)
McDonald, Fay, Cincinnati, Ohio. Corset brassière. 1,585,298; May 18.
McDonald, William E., Rochester, N. Y. Rubber boot. 1,585,040; May 18.
McDonnell, Vincent D., Chicago, Ill. Gas producer. 1,585,400; May 18.
McFadden, William D., Del Mar, Calif. Water meter for irrigation heads. 1,585,255; May 18.
McIndoe, John L., Dunedin, New Zealand. Carton. 1,585,505; May 18.
McLaughlin, Percival V., and A. R. Stillwell, Sylva, N. C. Dirigible headlight. 1,585,593; May 18.
McLean, Norman W., and W. A. Kyle, Palmerston North, New Zealand. Pea-shelling machine. 1,585,299; May 18.
McLeod, Hector N., Wellington, New Zealand. Separation of the solid constituents of liquids containing them. 1,585,300; May 18.
McNiff, Michael F., assignor of one-fourth to J. D. Miller, Chicago, Ill. Last for making slippers, low shoes, or oxfords. 1,585,301; May 18.
McQuarrie, William R. D., Buffalo, N. Y. Dispensing device. 1,584,878; May 18.
McWilliams, Robert G. (See O'Hare, C. J., and McWilliams.)
Medley, C. C. (See Menges, Albert C., assignor.)
Meehan, Paul A., and H. M. Robertson, assignors to American Dressier Tunnel Kilns, Inc., Cleveland, Ohio. Tunnel kiln. 1,584,883; May 18.
Megathlin, Ralph S., West Somerville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for handling blanks. 1,584,789; May 18.
Meier, Erling, assignor to Lorentz Segeicke Dane, Roadhugaten, Christiania, Norway. Thread and method for manufacturing impregnated fabric. 1,585,043; May 18.
Melvin, Charles T., Aurora, Ill., assignor, by mesne assignments, to Standard Gas Equipment Corporation of Maryland. Insulating means. 1,585,404; May 18.
Menges, Albert C., assignor of forty-nine per cent to C. C. Medley, Memphis, Tenn. Combined elevator and turntable for vehicles. 1,585,596; May 18.
Merrick Herbert L., Passaic, N. J. Dashpot. 1,584,884; May 18.
Mesinger, Frederick, Mount Vernon, N. Y. Vehicle saddles. 1,585,405; May 18.
Meyer, Geo. J., Manufacturing Company. (See Dreher, Otto, assignor.)
Meyer, George J., Wilwaukee, Wis. Adjustable radiation control for balanced-pressure radiators. 1,585,257; May 18.
Michle Printing Press & Manufacturing Co. (See Blaine, Joseph R., assignor.)
Miller, Ellis D., Berkeley, Calif. Foot toilet-flushing control. 1,585,557; May 18.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,183; May 18.
Miller, Harry A., Clovis, N. Mex. Locomotive-frame binder support. 1,585,597; May 18.
Miller, Jay D. (See McNiff, Michael F., assignor.)
Miller, John C., Muscatine, Iowa. Burial vault. 1,585,199; May 18.
Miller, Larkin J., Rea, Mo. Wind-control mechanism for thrashing machines. 1,584,790; May 18.
Miller, Larkin J., Rea, Mo. Blower-fan case for thrashers. 1,584,791; May 18.
Miller, Theodore T. (See Dewey, B., and Miller.)
Miller, Thomas S., South Orange, and J. H. Dickinson, Montclair, N. J. Hoisting and conveying device. 1,585,162; May 18.
Milner, William B., Dunkirk, N. Y. Rotary valve. 1,585,163; May 18.
Milwaukee Corrugating Company. (See Jones, Edmund H., assignor.)
Milwaukee Electric Railway & Light Company. (See Hageman, Frank E., assignor.)
Miner, Charles N., Concord, Mass. Table. 1,585,598; May 18.
Miner, James F. (See Summers, G., and Miner.)
Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double tube. 1,584,792; May 18.
Moebs, Gustav A., Romeo, Mich. Velocipede. 1,585,164; May 18.
Moline Implement Company. (See Swanson, Starley S., assignor.)

Monckmeier, Gustav C., Tipton, Iowa. Wear-compensating bolt. 1,585,309; May 18.
Monticelli, James, Kenosha, Wis. Moving picture and sound-reproducing machine. 1,585,599; May 18.
Monson, Carl A., and H. Gearing, assignors, by mesne assignments, to Hadley Tag & Machine Co., Los Angeles, Calif. Discharge mechanism. 1,585,406; May 18.
Montgomery, William E., La Junta, Colo. Medical applicator. 1,585,104; May 18.
Montrose, George A. (See Rabe, W., and Montrose.)
Moor, James R., Spokane, Wash. Circuit closer. 1,585,310; May 18.
Moore, Arlington, assignor to Moore Inventions Corporation, Worcester, Mass. Pole monocycle. 1,585,258; May 18.
Moore, Edward T., West Philadelphia, assignor of one-half to R. Allen, Philadelphia, Pa. Steam-boiler furnace. 1,585,507; May 18.
Moore Inventions Corporation. (See Moore, Arlington, assignor.)
Moore, William H. (See Hobson, M. F., and Moore.)
Moore, William J. P., New York, N. Y. Pneumatic-tire package. 1,584,885; May 18.
Morehead, George L., and F. S. O'Neil, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Manufacturing steel conveyer chains. 1,584,798; May 18.
Morin, Louis H., assignor to Chester Products Corporation, New York, N. Y. Stethoscope. 1,585,407; May 18.
Morin, Louis H. (See Doehler, H. H., and Morin.)
Morris, Raymond C., Kalamazoo, Mich. Spring. 1,584,989; May 18.
Morse, Sydney H., London, England. Machine for developing, washing, and finishing photographic films and prints. 1,585,408; May 18.
Motor Products Corporation (1926). (See Pritchard, William S., assignor.)
Motorcraft Engineering Corporation. (See Vernet, Sergius, assignor.)
Moussette, Oliver J., Richmond Hill, N. Y. Oil burner. 1,585,311; May 18.
Müller, Heinrich, Nuremberg, Germany. Toy figure covered with fabric. 1,585,558; May 18.
Murdoch, Alexander. (See Magidson, Frank, assignor.)
Murphy, James E., Midwest, Wyo. Steel derrick or steel tower. 1,584,794; May 18.
Murray Company, The. (See Hawkins, Guy P., assignor.)
Murray, Thomas E. (See Holmes, Henry S., assignor.)
Musser, Benjamin F., assignor of ninety-one one-hundredths to D. Cash, Rison, Ark. Cheese cutter. 1,585,259; May 18.
Muzzy, William H., Chicago, Ill. Gas reserve for automobiles. 1,585,260; May 18.
Myers, Henry B., Kansas City, Mo. Water-impounding system. 1,585,409; May 18.
Myler, James H. (See Drust, Leo M., assignor.)
Naamlooze Vennootschap Internationale Truck & Trailer Compagnie (Internationale Vracht- en Aanhangwagen Maatschappij.) (See van der Hof, Hormanus, assignor.)
Nanfeldt, William, New Haven, Conn., assignor to World Bestos Corporation, New York, N. Y. Friction yarn and process and apparatus for making same. 1,585,625; May 18.
Nanfeldt, William, New Haven, Conn., assignor to World Bestos Corporation, New York, N. Y. Yarn and making the same. 1,585,626; May 18.
Nash, Fred M., Presidio, San Francisco, Calif. Operating mechanism for dirigible-headlight construction. 1,585,165; May 18.
Nash, Fred M., Presidio, San Francisco, Calif. Typewriter attachment. 1,585,166; May 18.
National Carbon Company. (See Briggs, Arthur J., assignor.)
National Lead Company. (See Tolman, Charles P., assignor.)
Naugel, George F., Medford, Mass. Boot or shoe. 1,584,795; May 18.
Neal, Joseph A., assignor of one-half to Stover Lumber Company, Mobile, Ala. Resawing machine. 1,584,796; May 18.
Neal, Joseph A., assignor of one-half to Stover Lumber Company, Mobile, Ala. Resawing machine. 1,584,797; May 18.
Nelson, Adolph. (See Johnson, John A., assignor.)
Nelson, John C., Seattle, Wash. Station indicator. 1,584,886; May 18.
Nesbitt, John J., Atlantic City, N. J. Damper for heating and ventilating units. 1,584,990; May 18.
Neumann, R., Hardware Co., The. (See Lohse, William C., assignor.)
Neuteboom, Boudewyn B. (See Taylor, C. H., and Neuteboom.)
New England Incandescent Supply Company. (See Kostrzewski, Stephen.)
New Haven Clock Co., The. (See Whitehead, Richard H., assignor.)
Nichols, John C., Sheboygan, Wis. Hopple coupling. 1,585,261; May 18.
Nicholson, Frank H., Philadelphia, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,584,991; May 18.
Ninow, Walter L., Chilton, Wis. Trap. 1,585,200; May 18.
Niasinen, Toimi A., Hastings-on-Hudson, N. Y. Fuel burner. 1,585,201; May 18.

Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Combination leg brace and caster-support bracket. 1,585,312; May 18.
Nordgren, Algot W., assignor to Marquette Manufacturing Company, St. Paul, Minn. Bumper and bumper support. 1,585,353; May 18.
Norton Company. (See Belden, A. G., and Flygare, assignors.)
Norwich Wire Works, Inc. (See Beardsley, Lester A., assignor.)
Nyholm, Gustaf, Brownsville, Wash. Laying shingles. 1,584,887; May 18.
Oakes Company, The. (See Swenson, Carl G., assignor.)
O'Brien, Daniel, Palestine, Tex. Lock nut. 1,585,627; May 18.
Ogden, J. Edward. (See Van Cleve, Horatio P., assignor.)
O'Hare, Charles J., and R. G. McWilliams, St. Petersburg, Fla. Septic tank. 1,585,262; May 18.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Oliver, Charles, Chislehurst, England. Resonance arrangement particularly applicable to electric relays. 1,585,508; May 18.
Olofson, Vilhelm, London, England. Air-heating apparatus. 1,585,410; May 18.
Olson, James P., Mobile, Ala. Haystacker. 1,585,313; May 18.
O'Neil, Frank S. (See Morehead, G. L., and O'Neil.)
Osburn, Wallace N. (See Ragan, F. H., and Osburn.)
Osburn, Wallace N., Northville, and F. H. Ragan, assignors to Gemmer Manufacturing Company, Detroit, Mich. Spark and throttle control. 1,585,415; May 18.
Oster, Lawrence, Milwaukee, Wis. Dish or plate. 1,584,888; May 18.
Otis, Spencer, Chicago, Ill. Maintaining circulation in boilers. 1,585,203; May 18.
Otwell, Ralph B., assignor to Detroit Harvester Company, Detroit, Mich. Mowing attachment for tractors. 1,584,798; May 18.
Overdick, Wilhelm, Brooklyn, N. Y. Lock having an inner and an outer handle rotatable independently of each other. 1,585,105; May 18.
Ozonid Corporation, The. (See Ramage, Alexander S., assignor.)
Pacific Marine Supply Company. (See Himberger, Earl W., assignor.)
Pack, Wehrli D., Salt Lake City, Utah, assignor to J. N. Pepin, Chicago, Ill. Impulse transmitter, reproducer, and recorder. 1,585,204; May 18.
Page, Milton E., jr. (See Johanson, Adolph T., assignor.)
Page, Robert F., deceased; J. M. Felt, Athens, Pa., administrator, assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for percussive ramming tools. 1,584,799; May 18.
Page, Robert F., deceased; J. M. Felt, Athens, Pa., administrator, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive ramming tools. 1,584,800; May 18.
Palmer-Bee Company. (See Bee, William E., assignor.)
Palmer, Charles G., Newark, N. J. Gravity latch. 1,585,167; May 18.
Parker, Benjamin A., assignor to The H. B. Ives Co., New Haven, Conn. Casement operator. 1,585,262; May 18.
Parks, Frederick J., Cleveland, Ohio. Duplex envelope. 1,584,961; May 18.
Patterson, David C., Omaha, Nebr. Repository monument. 1,585,411; May 18.
Patton, William J., St. Louis, Mo., Combined road drag and scarifier. 1,585,044; May 18.
Paulsen, Christian P., Seattle, Wash. Milk-bottle cap. 1,585,168; May 18.
Pears, Roland, and W. S. Suffern, Belfast, Ireland. Twisting frame. 1,585,509; May 18.
Pederson, Alfred, Colfax, Wis. Lantern heater. 1,585,106; May 18.
Peebles, Frank B., assignor to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,584,889; May 18.
Peek Frean & Company. (See Rondolin, Laurent, assignor.)
Peerless Light Company. (See Herskovitz, Max, assignor.)
Penick & Ford, Ltd. Incorporated. (See Widmer, John M., assignor.)
Pender, Winnfield R., Houston, Tex. Attachment for boilers. 1,584,801; May 18.
Penn, Harry J., Madison, N. C. Suspender. 1,585,205; May 18.
Pennsylvania Wire Glass Company. (See Cox, W., and Shuman, assignors.)
Pepin, Joseph N. (See Pack, Wehrli D., assignor.)
Perfection Stove Company. (See Chadwick, Lee S., assignor.)
Pericle, Jesse M., Hutchinson, Minn. Snap hook. 1,585,314; May 18.
Perkins Glue Company. (See Perkins, J. G. B., and Gould, assignors.)
Perkins, James G. B., and E. F. Gould, Lansdale, Pa., assignors, by mesne assignments, to Perkins Glue Company. Mixing kettle. 1,585,169; May 18.
Perret, Joseph, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Société Anonyme, Paris, France. Asynchronous motor. 1,585,206; May 18.

Perrin, Alphonse R., Westbrook, Me. Slub catcher. 1,585,315; May 18.
Perry, Donald B. (See Vernam, G. S., and Perry.)
Peters, Arthur H., Fort Wayne, Ind., assignor to Horton Manufacturing Company. Washing machine. 1,584,890; May 18.
Peters Cartridge Company, The. (See Richmond, Norman L., assignor.)
Peterson, Stavros F., New London, Conn. Preparing refrigerating salt. 1,584,891; May 18.
Pfarre, Julius A., Brooklyn, N. Y. Syringe or pump. 1,585,628; May 18.
Phelps, James W., Chicago, Ill. Electric flasher. 1,584,892; May 18.
Philp, Frederick D., Royal Oak, Mich. Automobile tilting apparatus. 1,585,559; May 18.
Pieczko, Emil H., Hammond, Ind. Animal trap. 1,584,802; May 18.
Pilley Packing & Flue Brush Manufacturing Company. (See Schultz, Llewellyn B., assignor.)
Pinegar, George F. R. (See Fisher, W. T., Whitehouse, and Pinegar.)
Pitt, Ethelbert D. (See Judd, F. L., and Pitt.)
Plaßeln, Rudolf, Offenbach-on-the-Main, Germany. Production of lead acetate. 1,585,316; May 18.
Plywood Tube, Inc., The. (See Proctor, John H., assignor.)
Prodszus, Emil, Berlin-Friedrichshagen, Germany. Producing substances from boron and carbon. 1,585,412; May 18.
Pohl, Joseph, Spokane, Wash. Spring device. 1,584,803; May 18.
Pope, Joseph H., South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing die. 1,584,804; May 18.
Porte, Samuel, Sydney, Nova Scotia, Canada. Bracelet. 1,585,107; May 18.
Prentiss, William C., et al. (See Tupper, Arthur W., assignor.)
Presbyterian Hospital in The City of New York, The. (See Dochez, Alphonse R., assignor.)
Prest-O-Lite Company, The. (See Benner, R. C., and Thompson, assignors.)
Price, Howard W., assignor to J. M. Huber Co. of Louisiana, Inc., Swartz, La. Process and apparatus for grading materials. 1,585,413; May 18.
Prichard, George L., and H. Henderson, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Catalyzing oils. 1,585,263; May 18.
Priebe, Herman C., Blue Island, Ill. Draft gear. 1,585,207; May 18.
Priebe, Herman C., Blue Island, Ill. Draft gear. 1,585,208; May 18.
Pritchard, William S., assignor, by mesne assignments, to Motor Products Corporation (1926), Detroit, Mich. Apparatus for removing burrs from tubing. 1,585,414; May 18.
Probst, Arthur F. (See Cameron, Damon W., assignor.)
Proctor, John H., Andover, assignor to The Plywood Tube, Inc., Lawrence, Mass. Tube. 1,585,600; May 18.
Puller Manufacturing Co. Inc. (See Schoolfield, James E., assignor.)
Quaintance, Elsworth E., Los Angeles, Calif. Permutation lock. 1,585,045; May 18.
Rabe, William, and G. A. Montrose, Gardnerville, Nev. Hayloader attachment. 1,585,601; May 18.
Raby, Earl. (See Leslie, H. J., and Raby.)
Rachlin, Max. New York, N. Y. Gutter hanger. 1,584,805; May 18.
Racine Horseshoe Tire Company, The. (See Reichard, Harold D., assignor.)
Radford, George, Oakland Beach, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 70,184; May 18.
Radiant Specialty Company. (See Czapek, Stanley, assignor.)
Rafferty, Francis A., Villanova, Pa. Constant indicator for vibratory circuits. 1,584,893; May 18.
Ramage, Alexander S., assignor to The Ozonid Corporation, Detroit, Mich. Oxygen compound of terpene and making same. 1,585,602; May 18.
Randolph, George E., assignor to United Iron Works, Oakland, Calif. Tractor hitch. 1,585,560; May 18.
Range, Paul D., trustee. (See Marchand, Alexis, assignor.)
Ransomes & Rapier Limited. (See Ionides, Philip D., assignor.)
Rastetter, William C., Fort Wayne, Ind. Tennis-racket construction. 1,585,416; May 18.
Rawlings, Samuel J. (See Grimley, John P., assignor.)
Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Middle-breaker plow. 1,585,510; May 18.
Ren, Philip M., Elgin, Ill., assignor to Union Tool Company, Torrance, Calif. Combination drive down and pulling spear. 1,585,108; May 18.
Realty Investment and Securities Company of Charlotte. (See Lee, William S., assignor.)
Recker, Adolph C., Watertown, assignor to Chase Companies, Inc., Waterbury, Conn. Adapter for electric-lamp sockets. 1,585,109; May 18.
Recker, Adolph C., Oakland, assignor to Chase Companies, Inc., Waterbury, Conn. Chain for electric-lighting fixtures. 1,585,110; May 18.
Redington, John C., et al. (See Elmore, Charles F., assignor.)
Reeley, Harry A., Marion, Ohio. Draft mechanism. 1,585,603; May 18.
Reichard, Harold D., assignor to The Racine Horseshoe Tire Company, Racine, Wis. Resilient tire. Des. 70,185; May 18.
Reichert, Samuel, Spokane, Wash., assignor to Indioleum Products Co., Floor covering and making the same. 1,585,111; May 18.
Rice, Willis B., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Indicating device. 1,584,806; May 18.
Richards, Edward J. (See Haigh, G. H., and Richards.)
Richards, William D., assignor to Frank E. Best, Inc., Seattle, Wash. Drawer lock. 1,584,902; May 18.
Richmond Lace Works. (See Radford, George, assignor.)
Richmond, Norman L., Loveland, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Cartridge carton. 1,584,993; May 18.
Richmond Piston Ring Co. (See Booker, Richard A., assignor.)
Ridgway, Percy H., Seattle, Wash. Clutch. 1,585,112; May 18.
Riemer, Francis. (See Mayer, J. F., and Riemer.)
Rigby, Thomas, London, England. Drying process and apparatus. 1,585,511; May 18.
Riggin, Levi L. (See Gorschalki, B., and Riggin.)
Roades, Weslie M., Okmulgee, Okla. Tank closure. 1,585,512; May 18.
Robbins, George L., New York, N. Y. Key holder. 1,584,894; May 18.
Robert, Remy J., Versailles, assignor to La Société d'Etudes et de Construction de Matériel de Protection, Siège Social, Paris, France. Respirator for gas masks. 1,585,113; May 18.
Roberts, Eugene, Salt Lake City, Utah, assignor to The Western States Machine Company. Sugar-spraying device. 1,585,608; May 18.
Roberts, Walter W., C. R. Robinson, and H. W. Hopkins, San Diego, Calif. Sardine-display carton and container. 1,585,209; May 18.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Feed mechanism. 1,584,807; May 18.
Robertson, Harry M. (See Meehan, P. A., and Robertson.)
Robertson, Henry M., St. Paul, Minn. Car-wheel lock. 1,584,994; May 18.
Robinson, Charles R. (See Roberts, W. W., Robinson, and Hopkins.)
Robinson, Gertrude D., Woodland, Calif. Artificial-hair waver. 1,585,417; May 18.
Roby, Kenneth K., assignor to The Honeywell Heating Specialties Company, Wabash, Ind. Motor control. 1,585,629; May 18.
Roche, Joseph B., Chicago, Ill. Feed-board bump for printing presses. 1,585,609; May 18.
Roessler & Hasslacher Chemical Company. (See Dill, C., and White, assignors.)
Roessler & Hasslacher Chemical Company, The. (See Trusler, Ralf B., assignor.)
Rogers, Joseph S. (See Williams, J. R., Stanley, and Rogers.)
Romanski, Leon. (See Kahle, Augustus O., assignor.)
Ronceray, Eugene V., Choisy le Roi, France. Rotary molding machine. 1,584,808; May 18.
Rondolin, Laurent, Bermondsey, London, assignor, to Peek Frean & Company, Limited, London, England. Machine for applying cream and like materials to biscuits and the like. 1,585,114; May 18.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., Minneapolis, Minn. Tractor cultivator. Re16,352; May 18.
Rook, William T., Fort Scott, Kans. Window structure. 1,584,809; May 18.
Rose, Charles O. (See Covell, Willis, assignor.)
Rosenberg, Barney, Johannesburg, Transvaal, South Africa. Removable filter for tubes. 1,585,418; May 18.
Rosenblatt, Isidor, New York, N. Y. Lantern or article of similar nature. Des. 70,188; May 18.
Rosenthal, Max H., assignor to Technical Glass Company, Inc., Los Angeles, Calif. Drawer knob. Des. 70,186; May 18.
Rosenthal, Sidney K., Berkeley, Calif. Method of and apparatus for taking stereoscopic intraoral radiographs. 1,585,264; May 18.
Ross, William S. (See Boal, S., Ross, and Dilworth.)
Roučka, Erich, Blansko, Czechoslovakia. Balanced system of control. 1,585,170; May 18.
Roux, Max, Berlin-Friedenau, Germany. Navigation apparatus. 1,585,210; May 18.
Rowe, Frank A., Olean, N. Y. Tap, faucet, or the like. 1,584,895; May 18.
Royal, Prince L., assignor to Bona Allen, Inc., Buford, Ga. Welding and making same. 1,585,513; May 18.
Ruben, Frieda, St. Louis, Mo. Chair or similar article. Des. 70,187; May 18.
Rubwood, Inc. (See Atwood, Harry N., assignor.)
Rudd, Charles E., Asheville, N. C. Tanning liquor. 1,585,211; May 18.
Ruff, Christian S., Camden, N. J. Cord holder for sadirons. 1,585,604; May 18.
Rumsey, Amos B., Beloit, Wis., assignor to Covington Machine Company, Inc., Covington, Va. Clinker extractor. 1,585,115; May 18.
Ruse, Charles L., Warsaw, Ind. Railway-tie construction. 1,585,419; May 18.

Rush, Felix J., New York, N. Y. Container. 1,585,046; May 18.
Russack, Edwin A., Covington, Ky. Furring for building structures. 1,585,561; May 18.
Russell & Stoll Company. (See Glasgow, Ernest M., assignor.)
Russo, Albert, Pittston, Pa. Amusement device. 1,585,605; May 18.
Rylander, Anders, J. E., assignor to Lindstedt & Hammar Aktiebolag, Stockholm, Sweden. Closure device. 1,585,562; May 18.
Sala, Theodore A., Dallas, Tex. Grille for heating flues. 1,585,116; May 18.
Saltzman, Auguste L., East Orange, N. J., assignor to H. R. Brand, New York, N. Y. Insert holder for commodity-control devices. 1,584,995; May 18.
Samuels, Abner W., New York, N. Y., assignor to Vogue Merchandise Co. Inc. Decorative toy animal or the like. Des. 70,189; May 18.
Samuels, Abner W., New York, N. Y., assignor to Vogue Merchandise Co. Inc. Decorative toy animal or the like. Des. 70,190; May 18.
Samuels, Abner W., New York, N. Y., assignor to Vogue Merchandise Co. Inc. Decorative toy animal or the like. Des. 70,191; May 18.
Samuels, Abner W., New York, N. Y., assignor to Vogue Merchandise Co. Inc. Decorative toy animal or the like. Des. 70,192; May 18.
Samuels, Abner W., New York, N. Y., assignor to Vogue Merchandise Co. Inc. Decorative toy animal or the like. 70,193; May 18.
Sanitary Tea Bagging Company, The. (See Ingram, Walter M., assignor.)
Sargent, George S., Chicago, Ill. Propeller for helicopters. 1,584,810; May 18.
Satzger, Edward, sr., Cincinnati, Ohio. Door-clamping machine. 1,585,171; May 18.
Saunders, Gordon, Whittier, Calif. Clutch. 1,585,172; May 18.
Savary, Eugene A., Phoenicia, N. Y. Adjusting device for tire chains. 1,585,514; May 18.
Sawdon, Joseph, et al. (See Elmore, Charles F., assignor.)
Scammell China Company. (See Schnepf, Emil L., assignor.)
Schaal, Earl V., Dayton, Ohio. Mechanical specimen-polishing device. 1,585,515; May 18.
Scharfenberg, Karl, Konigsberg, Germany. Railway-car coupling. 1,585,420; May 18.
Schick, Jacob, Jersey City, N. J., assignor to Magazine Repeating Razor Company. Razor and blade holder therefor. 1,585,811; May 18.
Schlafly, Julius H., assignor to United Alloy Steel Corporation, Canton, Ohio. Culvert. 1,585,265; May 18.
Schlafly, Julius H., assignor to United Alloy Steel Corporation, Canton, Ohio. Culvert. 1,585,266; May 18.
Schlattau, Frank, Los Angeles, Calif. Combination measuring instrument. 1,585,563; May 18.
Schleicher, Inc. (See Schleicher, Paul E., assignor.)
Schleicher, Paul E., Gary, Ind., assignor to Schleicher, Inc., Chicago, Ill. Radiator cover. 1,584,812; May 18.
Schlepp, Morris, New York, N. Y. Lighting-fixture body. Des. 70,194; May 18.
Schmaljohann, Paul, Kiel, Germany. Two-stroke-cycle internal-combustion engine of the Diesel type. 1,585,117; May 18.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,584,813; May 18.
Schmutte, Ernest A., White Bluff, Tenn. Tractor plow. 1,584,962; May 18.
Schneider, Herman F., Seneca, Kans. Concrete form. 1,585,421; May 18.
Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate. Des. 70,195; May 18.
Schoolfield, James E., Danville, Va., assignor to Puller Manufacturing Co. Inc., New York, N. Y. Pulling device. 1,585,118; May 18.
Schranz, Frederick G., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Bending press. 1,585,212; May 18.
Schroeder, Albert, Piqua, Ohio. Universal driving gear. 1,585,119; May 18.
Schulhoff, Saul, and B. F. Hoffman, Philadelphia, Pa. Snap-on telephone mouthpiece. 1,585,564; May 18.
Scott-Ullman Company, The. (See Wing, Clarence G., assignor.)
Seaholm, John P., assignor to Deere & Company, Moline, Ill. Beet puller. 1,584,996; May 18.
Seaverns, James B., Chicago, Ill. Dump gate. 1,585,120; May 18.
Seeburg, J. P., Piano Company. (See Seeburg, N. M., and Barkatrom, assignors.)
Seeburg, Noël M., and L. T. Barkatrom, assignors to J. P. Seeburg Piano Company, Chicago, Ill. Automatic player piano. 1,585,267; May 18.
Seifert, Henry R., East Ellsworth, Wis. Piston ring. 1,585,422; May 18.
Sensibar, Jacob R., Chicago, Ill. Apparatus for unloading boats. 1,585,268; May 18.
Sentinel Ice Machine Company. (See Lagergren, Jonas T., assignor.)
Sergent, Walter H., Middletown, N. Y., assignor to Ideal Wrapping Machine Company. Article receiver. 1,584,814; May 18.
Serva, Adam A., assignor to The United Electric Company, Canton, Ohio. Floor polisher. 1,585,269; May 18.
Sessions, Edson O. (See Gaudy, Ralph J., assignor.)
Seymour, Benjamin F., Washington, D. C. Vehicle construction and body suspension. 1,585,121; May 18.
Shafer, Samuel, jr., and L. H. Draeger, assignors to Chain Belt Company, Milwaukee, Wis. Hoist mechanism for power loaders. 1,585,423; May 18.
Shaffer, George A., Perryville, Md. Fire-alarm signal. 1,585,122; May 18.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sheer, H. M. Company. (See Sheer, Henry M., assignor.)
Sheer, Henry M., assignor to H. M. Sheer Company, Quincy, Ill. Combined heating drum and canopy. 1,585,424; May 18.
Sheldon, Carson J., Youngstown, Ohio. Bowling pin. 1,585,123; May 18.
Shelton, Alexander A., Hackberry, Ariz. Jaw-trap-pedal protector. 1,585,425; May 18.
Sherer, William T., Chicago, Ill. Label clip. 1,584,815; May 18.
Shultz, Llewellyn B., assignor to Pilley Packing and Flue Brush Manufacturing Company, St. Louis, Mo. Rotary abrading brush. 1,584,997; May 18.
Shuman, Arno. (See Cox, W., and Shuman.)
Shumate, Joseph W., Minneapolis, Minn. Mousetrap. 1,585,047; May 18.
Siemann, John H., Brooklyn, N. Y. Washing machine. 1,585,565; May 18.
Sievers, William C., New Albany, Ind. Bottle washer. 1,585,317; May 18.
Simeonoff, Louis, Detroit, Mich. Vehicle wheel drive construction. 1,584,816; May 18.
Simonds, George D. (See Smith, T. C., Freeman, and Simonds.)
Simons, Donald M., Osborne, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable joint. 1,585,124; May 18.
Simons, Donald M., Osborne, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable installation. 1,585,125; May 18.
Simons, Donald M., Osborne, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Electrode. 1,585,126; May 18.
Simons, Donald M., Osborne, and F. D. Barbour, assignors to Standard Underground Cable Company, Pittsburgh, Pa. Joint-building machine. 1,585,127; May 18.
Simpson, Ada M., assignor to Eaton Rapids Woolen Mills, Eaton Rapids, Mich. Fresh-air garment. 1,585,426; May 18.
Simpson, Frederick G., Seattle, Wash. Converter of electric currents. 1,585,173; May 18.
Sims, Glen E., St. Anthony, Idaho. Shock absorber and snubber. 1,585,427; May 18.
Sindl, Otto, Mahrisch Chrostau, Czechoslovakia. Alternating-current centrifuge. 1,585,566; May 18.
Sivon, Charles A., Pasadena, Calif. Pivot sink stool. 1,584,896; May 18.
Skinner Automotive Device Company. (See Skinner, R. L., Walrath, and Lambert, assignors.)
Skinner, Ralph L., P. C. Walrath, and E. H. Lambert, assignors to Skinner Automotive Device Company, Inc., Detroit, Mich. Internal-combustion-engine-cylinder lubrication. 1,584,897; May 18.
Skoglund, Joseph A., St. Paul, Minn. Heel lining for shoes. 1,585,048; May 18.
Skoglund, Joseph A., St. Paul, Minn. Heel lining. 1,585,049; May 18.
Skoglund, Joseph A., St. Paul, Minn. Heel-pocket lining. 1,585,050; May 18.
Skoglund, Joseph A., St. Paul, Minn. Cardcase. 1,585,051; May 18.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Graduated air-feed relief for rock drills. 1,584,817; May 18.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,585,428; May 18.
Smette, Marthine, Upham, N. Dak. Hanger. 1,585,174; May 18.
Smith, Alexander M. (See Coaker, J. B., Baldwin, and Smith.)
Smith, George W., San Antonio, Tex., and F. L. Weisser, Miami, Fla. Apparatus for manufacturing carbureted water gas. 1,585,429; May 18.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Calorimeter. 1,584,818; May 18.
Smith, Horace F., London, and C. H. Tuckwell, Richmond, England. Manufacture or production of hollow concrete floors, beams, and slabs. 1,585,430; May 18.
Smith, James A., Windsor, Conn. Threading die. 1,584,898; May 18.
Smith, Temple C., Nutley, A. E. Freeman, Netcong, and G. D. Simonds, Newark, N. J., assignors to American Telephone and Telegraph Company. Winch. 1,584,819; May 18.
Smith, William J., Denver, Colo. Stereoscopic motion-picture camera. 1,585,129; May 18.

Smith, William J., assignor of one-half to V. H. Connole, Denver, Colo. Salting and roasting nuts. 1,585,128; May 18.
Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,585,431; May 18.
Société des Moteurs Salmson (Système Canton-Unné). (See Heinrich, Jean M., assignor.)
Sommer, John C., Saginaw, Mich. Automobile speed governor. 1,585,567; May 18.
Soule, Henry, Dwight, N. Dak. Trap. 1,585,568; May 18.
Southwark Foundry & Machine Company. (See Schranz, Frederick G., assignor.)
Spaethe, Wilhelm E., Gera-Reuss, Germany. Pneumatic action for automatic musical instruments. 1,584,899; May 18.
Spalsbury, Charles B., assignor to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo. Lasting shoes. 1,584,820; May 18.
Sparks, Harry G., Jackson, Mich. Windshield cleaner. 1,584,821; May 18.
Spence, Edward M., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge-finishing machine. 1,584,822; May 18.
Standard Gas Equipment Corporation of Maryland. (See Melvin, Charles T., assignor.)
Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Rights Company. (See Fife, Ikley C., assignor.)
Standard Underground Cable Company. (See Simons, Donald M., assignor.)
Standard Underground Cable Company. (See Simons, D. M., and Barbour, assignors.)
Stanley, Albert D. (See Williams, J. R., Stanley, and Rogers.)
Stanley Manufacturing Company, The. (See Yaffee, Herman A., assignor.)
Stebbins, Albert H., Los Angeles, Calif. Crusher. 1,585,052; May 18.
Steele, Charles H., Fort Worth, Tex. Pump. 1,585,175; May 18.
Steeler, Arthur, assignor to Allsopp Brothers, Newark, N. J. Finger ring. 1,585,516; May 18.
Stephenson, Fred J., Hanford, Calif. Check writer and protector. 1,585,130; May 18.
Stevenson, George E., Indianapolis, Ind. Articulated door. 1,585,270; May 18.
Stewart-Warner Speedometer Corporation. (See Van Guilder, Walter, assignor.)
Stich, Charles A., Plymouth, Wis. Power hack saw. 1,585,432; May 18.
Stillwell, Aurelius R. (See McLaughlin, P. V., and Stillwell.)
Stine, George R., Vicksburg, Mich. Folding table. 1,585,569; May 18.
Stockfleth, Berger. (See Burger, F. W., and Stockfleth.)
Stolzer, Abraham. (See Kostrzewski, Stephen, assignor.)
Stone, Harry, Chicago, Ill. Arm for a lamp. Des. 70,196; May 18.
Stone, J. Austin, et al. (See Tupper, Arthur W., assignor.)
Stover Lumber Company. (See Neal, Joseph A., assignor.)
Streb, Charles A., and A. J. Maskrey, jr., Canton, Ohio. Sheet-opening machine. 1,584,900; May 18.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Hulling and cleaning feeder for cotton. 1,585,131; May 18.
Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. 1,584,823; May 18.
Strong, Clarence A., assignor of one-half to C. M. Daly, O'Neill, Nebr. Pelt stretcher. 1,585,053; May 18.
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Stumbaugh, Roy W., Hagerstown, Md. Bushing replacer. 1,585,176; May 18.
Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
Sudekum, William, Nashville, Tenn. Metallic packing 1,585,433; May 18.
Suffern, Walter S. (See Pears, R., and Suffern.)
Sulzberger, Nathan, New York, N. Y. Nonodorous phenolated soap. 1,585,434; May 18.
Summers, Bertrand S., Port Huron, Mich. Automatic metering machine. 1,584,901; May 18.
Summers, Bertrand S., Port Huron, Mich. Making pulp for paper. 1,584,902; May 18.
Summers, George, and J. P. Miner, Endicott, N. Y. Towing line for vehicles. 1,585,435; May 18.
Sun Shipbuilding & Dry Dock Company. (See Carroll, Monroe W., assignor.)
Superheater Company, The. (See Broido, Benjamin, assignor.)
Superior Seal & Stamp Company, The. (See Zabriskie, Charles C., assignor.)
Suporter, James W., assignor to Volator Company, Chicago, Ill. Automobile bumper. 1,585,213; May 18.
Supplee, George C., Adams, N. Y. Packing food products and container therefor. 1,584,903; May 18.
Susi, Dominick M., Pittsfield, Me. Direction indicator for vehicles. 1,585,271; May 18.
Susi, Dominick M., Pittsfield, Me. Direction indicator. 1,585,272; May 18.
Swanson, Starley S., Stoughton, Wis., assignor, by mesne assignments, to Moline Implement Company. Controlling means for spreader-driving mechanism. 1,584,904; May 18.
Swanson, Thorsten, Hoquiam, Wash. Strike board. 1,585,570; May 18.
Swanson, Thorsten, Hoquiam, Wash. Expansion joint and ribbon edger. 1,585,571; May 18.
Swenson, Carl G., Bruce, Wis., assignor to The Oakes Company, Indianapolis, Ind. Tire carrier. 1,585,436; May 18.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symington Company, The. (See Kadel, Byers W., assignor.)
Symons, Arthur H., Chicago, Ill. Shore. 1,584,905; May 18.
Symons, Johnson V., and T. H. Jose, Westmont Borough, and G. E. Thackray, Bethlehem, Pa. Finishing tile plate. 1,584,998; May 18.
Szukalski, Marian A. and M. F., jr., Milwaukee, Wis. Rheostat arm. 1,585,214; May 18.
Szukalski, Marian F., jr. (See Szukalski, Marian A. and M. F., jr.)
Taeger, Reinhold, Topeka, Kans. Clutch-pedal lock. 1,585,054; May 18.
Takacs, Steve, Newark, Ohio. Lawn trimmer. 1,585,572; May 18.
Talbutt, Robert H., Baltimore, Md. Roaster. 1,585,437; May 18.
Taylor, Cecil H., and B. B. Neuteboom, Detroit, Mich. Differential. 1,585,438; May 18.
Taylor, Lewis A., assignor of one-half to J. H. Hull, Cole Camp, Mo. Sterilizer. 1,585,215; May 18.
Taylor-Wharton Iron and Steel Company. (See Andrews, Charles B., assignor.)
Taylor-Wharton Iron and Steel Company. (See Lehecka, Frank H., assignor.)
Taylor-Wharton Iron and Steel Company. (See MacFayden, Loudon E., assignor.)
Technical Glass Co. (See Rosenthal, Max H., assignor.)
Teesdale, John B., Grand Rapids, Mich. Pump. 1,584,824; May 18.
Texas Company, The. (See Adams, Joseph H., assignor.)
Texas Company, The. (See Fantz, Fred C., assignor.)
Texas Company, The. (See Holmes, R. C., Manley, and Behimer, assignors.)
Thackray, George E. (See Symons, J. V., Jose, and Thackray.)
Thomas, Donald L., New York, N. Y. Electrochemical treatment of unsaturated hydrocarbon compounds resulting from the cracking of oils. 1,585,573; May 18.
Thomas, Roy N., East Orange, N. J., assignor to General Electric Company. Electric braking system. 1,585,439; May 18.
Thompson, Albert R., Derby, Conn. Tool holder. 1,585,000; May 18.
Thompson, Harry H. (See Benner, R. C., and Thompson.)
Thompson, James H., and J. W. Carter, Fayetteville, Tenn. Sanitary cabinet. 1,585,574; May 18.
Thompson, William M., Chicago, Ill. Anti-thumb-sucking device. 1,584,999; May 18.
Thornburn, John H., et al. (See Howland, George A., assignor.)
Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Calif. Nestable culvert. 1,584,963; May 18.
Thurston, Ernest B., assignor to The Haughton Elevator & Machine Co., Toledo, Ohio. Switch mechanism. 1,585,517; May 18.
Thurston, Ernest B., assignor to The Haughton Elevator & Machine Co., Toledo, Ohio. Control mechanism. 1,585,518; May 18.
Thurston, Ernest B., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Multispeed-motor protection. 1,585,519; May 18.
Tiemann, George, & Co. (See Barton, Lyman G., assignor.)
Tiffany & Company. (See Barney, Arthur L., assignor.)
Tinsel Corporation of America. (See Anderson, Arvid M., assignor.)
Toledo Metal Furniture Company, The. (See Uhl, Clement R., assignor.)
Tolman, Charles P., assignor to National Lead Company, New York, N. Y. Corrosion apparatus. 1,584,906; May 18.
Tombacher, Israel J., et al. (See Crumley, Le Roy A., assignor.)
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Circuit controller. 1,584,748; May 18.
Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
Tri-Ergon, Limited. (See Massolle, J., Vogt, and Engl, assignors.)
Tromanhauser, Jesse H., Toronto, Ontario, Canada. Concrete crib. 1,585,055; May 18.
Trusler, Ralf B., Dormont, Pa., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Production of esters from amide acid sulphates. 1,584,907; May 18.

Trussell, Homer A., Chicago, Ill. Internal-combustion-engine throttling and fuel-heating apparatus. 1,585,056; May 18.
Tuckwell, Charles H. (See Smith, H. F., and Tuckwell.)
Tugendhat, Robert G., Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Baking machine for wafers and the like. 1,584,825; May 18.
Tugendhat, Robert G., Saginaw, Mich., assignor to Baker-Perkins Company, Inc., White Plains, N. Y. Electromagnetic responsive device. 1,585,216; May 18.
Tupper, Arthur W., Riverdale, Md., assignor to J. A. Stone, J. H. Boyden, and W. C. Prentiss, Washington, D. C. Time-controlled electric signaling device. 1,585,318; May 18.
Tupper, Arthur W., Riverdale, Md., assignor to J. A. Stone, J. H. Boyden, and W. C. Prentiss, Washington, D. C. Periodic electric signaling device. 1,585,319; May 18.
Turbulator Corporation, The. (See Gillett, Charles W., assignor.)
Tuttle, William S., Rutland, Vt. Package wrapper. 1,585,057; May 18.
U. G. I. Contracting Company, The. (See Dörner, William F., assignor.)
Uebelmesser, Charles, New York, N. Y. Steam-condensing means. 1,585,217; May 18.
Uhl, Clement R., assignor to The Toledo Metal Furniture Company, Toledo, Ohio. Article of furniture. 1,584,826; May 18.
Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
Underwood Typewriter Company. (See Hexter, Julian S., assignor.)
Union Electric Manufacturing Company. (See Campbell, Harry E., assignor.)
Union Switch & Signal Company, The. (See Allen, Walter P., assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Tool Company. (See Davidson, W. D., and Goeser, assignors.)
Union Tool Company. (See Rea, Philip M., assignor.)
United Alloy Steel Corporation. (See Schlafly, Julius H., assignor.)
United Electric Company, The. (See Serva, Adam A., assignor.)
United Iron Works. (See Randolph, George E., assignor.)
United Products Company. (See Humphrey, George C., assignor.)
United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Spence, Edward M., assignor.)
United States Gauge Company. (See Lindvall, Erik A., assignor.)
Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Locker lock. 1,584,827; May 18.
Van Cleve, Horatio P., Cranford, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Support for ferry bridges. 1,585,132; May 18.
Van der Hof, Hermanus, assignor to Naamlooze Vennootschap Internationale Truck & Trailer Compagnie Internationale Vracht- en Aanhaugwagen Maatschappij, Amsterdam, Netherlands. Steering device for trailers. 1,585,133; May 18.
Van Etten, William V., Everett, Wash. Dirigible headlight. 1,584,908; May 18.
Van Guilder, Walter, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Motor-vehicle signal-operating switch. 1,584,909; May 18.
Van Hook, Charles F., assignor to The Watson Machine Company, Paterson, N. J. Gearing for twisting machines. 1,585,134; May 18.
Van Husan, Christina M., Detroit, Mich. Garden carryall. 1,585,575; May 18.
Vansant, Richard H., assignor to Blue Valley Creamery Co., Chicago, Ill. Combined statement and check. 1,585,440; May 18.
Van Tassel, H. A. (See Deems, Ralph B., assignor.)
Vaughan, Raymond E., Piqua, and W. S. D. Leland, Dayton, Ohio. Automatic transmitter. 1,585,441; May 18.
Vaughn, Forrest H. (See Willey, A. J., and Vaughn.)
Vernam, Gilbert S., River Edge, N. J., and D. B. Perry, Yonkers, N. Y., assignors to American Telephone and Telegraph Company. Ciphering device. 1,584,749; May 18.
Vernet, Sergius, assignor to Motorcraft Engineering Corporation, New York, N. Y. Windshield cleaner. 1,585,442; May 18.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Bracket arm for lighting fixtures. Des. 70,179; May 18.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Shield for use as a part of a lighting fixture. Des. 70,198; May 18.
Villaret, Gustave E., Leonia, N. J., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn. Bracket arm for lighting fixtures. Des. 70,199; May 18.
Vincent, Sidney C., Baltimore, Md. Clock mechanism. 1,584,750; May 18.
Vinsant, John R., Lakeland, Fla. Brick-molding machine. 1,585,576; May 18.
Vogt, Hans. (See Massolle, J., Vogt, and Engl.)
Vogue Merchandise Co. Inc. (See Samuels, Abner, W., assignor.)
Volator Company. (See Suporter, James W., assignor.)
Volck, William H., assignor to California Spray-Chemical Company, Watsonville, Calif. Powdered sulphur and making the same. 1,585,058; May 18.
Volker, Clarence A., Monroe, Mich. Automobile window screen. 1,584,910; May 18.
Voiz, Gottlieb W., Long Beach, assignor, by mesne assignments, of one-half to W. J. Bowman, Los Angeles, Calif. Combination oil and gas carburetor. 1,585,443; May 18.
Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)
Vortex Mfg. Co., The. (See Curtin, David F., assignor.)
Vortex Mfg. Co., The. (See Holman, Rudolph, assignor.)
Vossenberg, Frank A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,585,444; May 18.
Waite, Edwin E., Framingham, Mass., assignor to Driver-Harris Company, Harrison, N. J. Apparatus for producing ended cords. 1,585,135; May 18.
Waitt, George L., Buffalo, N. Y. Chaplet for molding. 1,585,136; May 18.
Walden-Worcester, Inc. (See Carlberg, August E., assignor.)
Wall, Frank E., assignor to Gabriel Steel Company, Detroit, Mich. Scaffold bracket. 1,585,001; May 18.
Wallace, Charles H., Appleton, Wis. Item recorder. 1,585,273; May 18.
Wallace, Joel H., Springfield, S. Dak. Bag rack. 1,585,577; May 18.
Wallace, R., & Sons Mfg. Co. (See Hillbom, Henrik, assignor.)
Walrath, Percy C. (See Skinner, R. L., Walrath, and Lambert.)
Wanatik, Samuel W., Detroit, Mich. Knife sharpener. 1,585,059; May 18.
Wanderer Werke vorm. Winklhofer & Jaenicke A. G. (See Buschmann, T. E., and Claus, assignors.)
Warner, Albert R., Philadelphia, Pa. Signal light. 1,585,578; May 18.
Warner, John C., Schenectady N. Y., assignor to General Electric Company. Electron-discharge apparatus and operating the same. 1,585,445; May 18.
Warwick, Nathan E., Cleveland, Ohio. Device for throwing balls. 1,585,446; May 18.
Washburn Company, The. (See Hobbs, Samuel T., assignor.)
Watanabe, Gennojo, Los Angeles, Calif. Soundless double propeller for aeroplanes. 1,585,218; May 18.
Waterloo Saddlery Company. (See Grings, Casper H., assignor.)
Watson, Lawrence. (See Kimble, G. W., and Watson.)
Watson Machine Company, The. (See Van Hook, Charles F., assignor.)
Watson, Nicholas O. (See Benzley, A. T., and Watson.)
Waxman, Samuel B., Baltimore, Md. Lining and method. Re16,353; May 18.
Webb, Dudley R., jr., Philadelphia, Pa., assignor to Federal Electric Company, Chicago, Ill. Siren. 1,585,219; May 18.
Webb, Edward L., Cortland, N. Y. Extraction flask. 1,585,447; May 18.
Weber, Karl A., Los Angeles, Calif. Sectional partition. 1,585,137; May 18.
Weber, Louis J. (See Carpenter, C. F., and Weber.)
Weed, James M., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,585,448; May 18.
Weigel, Fred E., Leominster, Mass., assignor to J. C. Dowd & Co., New York, N. Y. Rack for manicuring set. Des. 70,200; May 18.
Weinfeld, Charles, et al., executors. (See Herskovitz, Max.)
Weisgerber, Charles H., Philadelphia, Pa. Spoon. Des. 70,201; May 18.
Weiss, Max, New York, N. Y. Signal arm for closed-body automobiles. 1,585,138; May 18.
Weisser, Frank L. (See Smith, G. W., and Weisser.)
Wellman, Charles P., West Medford, Mass. Receptacle-making machine. 1,584,964; May 18.
Wells, Edward H., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler furnace. 1,584,751; May 18.
Wells, Newton C., Los Angeles, Calif. Butt gauge. 1,585,060; May 18.
Welsh, Howard R., Haddonfield, N. J. Water grate. 1,585,449; May 18.
Wentworth, Lillian E., Rockport, Me. Adjustable clothesline prop. 1,585,177; May 18.
West, John K., Detroit, Minn. Train-operated electric switch. 1,585,178; May 18.
West Virginia Rail Co. (See Diehl, Herman H., assignor.)
Western Electric Company. (See Bellamy, Harry T., assignor.)

Western Electric Company. (See Casper, W. L., and Whittle, assignors.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western States Machine Company. (See Roberts, Eugene, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrhart, Raymond N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
Whale Magazine Spanner Company, The. (See Fisher, W. T., Whitehouse, and Pinegar, assignors.)
Wharton, William, Jr., & Company. (See Heyl, H. F., and Hulbert, assignors.)
Wheeler Automatic Machine Company. (See Wheeler, Omar A., assignor.)
Wheeler, Omar A., assignor to Wheeler Automatic Machine Company, Portland, Oreg. Cuff-making machine. 1,585,061; May 18.
Wheelock, Arthur C. (See Cane, G. F., and Wheelock.)
Whelan, Dow O., Schenectady, N. Y., assignor to General Electric Company. Protective apparatus. 1,585,450; May 18.
Whipple, John W., assignor of one-half to J. V. Bailey, Cushing, Okla. Pencil-vending machine. 1,585,179; May 18.
White, Alfred N., assignor of one-half to R. F. Chapman, Los Angeles, Calif. Discharge hopper. 1,585,062; May 18.
White, Everett H., St. Paul, Minn. Heat regulator for heating systems. 1,585,451; May 18.
White, Lester M. (See Dill, C., and White.)
Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Case for an alarm clock. Des. 70,202; May 18.
Whitehouse, George H. (See Fisher, W. T., Whitehouse, and Pinegar.)
Whittington, John A., Atlanta, Ga. Multicolor-printing device. 1,585,579; May 18.
Whittle, Horace. (See Casper, W. L., and Whittle.)
Whyte, William, Edinburgh, Scotland. Paint. 1,585,063; May 18.
Wickersham, Leon J., Columbus, Ohio. Resilient tire. Des. 70,203; May 18.
Widmer, John M., assignor to Penick & Ford, Ltd. Incorporated, Cedar Rapids, Iowa. Manufacture of starch. 1,585,452; May 18.
Wibanto, Adolph K., Jamaica Plain, Mich. Flash socket for incandescent electric lamps. 1,585,580; May 18.
Wilhite, Cleveland, assignor to American Manufacturing Company, St. Louis, Mo. Cutting device. 1,584,911; May 18.
Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Double-plunger pump. 1,585,320; May 18.
Willey, Alfred J., and F. H. Vaughn, Hammond, Ind. Typewriter-paper support. 1,585,581; May 18.
Willey, Alfred J., and F. H. Vaughn, Hammond, Ind. Typewriter attachment. 1,585,582; May 18.
Williams, Herman P., St. Louis, Mo. Pouring device. 1,585,002; May 18.
Williams, John R., A. D. Stanley, and J. S. Rogers, Greenville, Ala. Shade-roller bracket. 1,585,064; May 18.
Williams, Thomas H., assignor to The Adamson Machine Company, Akron, Ohio. Rimming press. 1,585,274; May 18.
Williamson, Maurice K., Adelaide, South Australia, Australia. Internal-combustion engine. 1,584,453; May 18.
Williamson, Thaddeus E., Stockton, Calif. Subthimble for lateral flues. 1,584,912; May 18.
Willis, Harry S., Philadelphia, Pa. Rubber shoe heel. 1,585,220; May 18.
Wilsing, Paul, Duisburg, Germany. Electric winch. 1,585,065; May 18.
Wilson, Arthur C., Atlanta, Ga. Dispensing device. 1,585,321; May 18.
Wilson, Frederick J., Los Angeles, Calif. Psychomagnetic device. 1,585,066; May 18.
Wilson, George W., Seattle, Wash. Bottle and test-tube washer. 1,584,913; May 18.
Wilson, Thomas E., & Company. (See Link, Albert C., assignor.)
Wilson, William E., Mason City, Iowa, and H. G. Lykken, Minneapolis, Minn. Tile and tile arch. 1,585,003; May 18.
Wine, John P. (See Clevenger, E. W., and Wine.)
Wine, William E., Toledo, Ohio. Car ventilator. 1,585,004; May 18.
Wine, William E., Toledo, Ohio. Oil burner. 1,585,221; May 18.
Wing, Clarence G., Lakewood, assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting fixture. Des. 70,204; May 18.
Winter, Edmund H., Bemidji, Minn. Treatment of peat and product thereof. 1,584,965; May 18.
Wisoff, Isaac J., Brooklyn, N. Y. Sofa bedstead. 1,585,067; May 18.
Withington, Winthrop, Jackson, Mich., assignor to American Fork & Hoe Company, Cleveland, Ohio. Dtop. 1,585,222; May 18.
Wittstein, Charles T., Newark, N. J. Phonograph cabinet. 1,585,454; May 18.
Wolcott, Owen P., Portland, Oreg. Display holder. 1,585,223; May 18.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Antifriaring device. 1,584,828; May 18.
Wood, John P. N., Dundee, Fla. Mold for concrete orchard heaters. 1,585,455; May 18.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
World Bestos Corporation. (See Heany, John A., assignor.)
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Worley, George D., Texarkana, Ark. Crossing. 1,585,583; May 18.
Wragg, Lulu M., Spokane, Wash. Windshield. 1,584,752; May 18.
Wright, Thomas H., Los Angeles, Calif. Tire. 1,585,068; May 18.
Yaffee, Herman A., assignor to The Stanley Manufacuring Company, Dayton, Ohio. Apparatus and method of decorating labels. 1,584,914; May 18.
Yale & Towne Manufacturing Company, The. (See Vossenberg, Frank A., assignor.)
York, Minnie B. (See York, William X. and M. B.)
York, William X. and M. B., Clinton, Ind. Body belt. 1,584,753; May 18.
Youle, William E., Los Angeles, Calif. Casing spear. 1,585,069; May 18.
Young, William R., Bainbridge, Ga. Paper-hanging device. 1,584,754; May 18.
Zabriskie, Charles C., assignor to The Superior Seal & Stamp Company, Detroit, Mich. Embossing machine. 1,585,354; May 18.
Zaun, George F., San Bernardino, Calif. Combined supporting and elevating means. 1,585,005; May 18.
Zell, Rhoda T., Pittsburgh, Pa. Chamois brush. 1,585,006; May 18.
Zimmer, Albert E. (See Campbell, A., and Zimmer.)
Zuazua, José L. (See Hidalgo, C., and Zuazua.)
Zucker, George L., East Orange, N. J. Fuel economizer. 1,585,584; May 18.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid sulphates, Production of esters from amide. R. B. Trusler. 1,584,907; May 18.
Adding machine. R. W. Fletcher. 1,585,480; May 18.
Adjustable bolt. J. L. Cole and D. R. Gump. 1,585,532; May 18.
Adsorbent material and making same. A. S. Behrman. 1,584,716; May 18.
Advertising device. G. Hornecker. 1,584,940; May 18.
Aeroplane. L. A. Hewitt. 1,585,586; May 18.
Aeroplane and other heavier-than-air machine. B. Loth. 1,584,876; May 18.
Aeroplanes, Soundless double propeller for. G. Watanabe. 1,585,218; May 18.
Air engine. K. Herman. 1,584,937; May 18.
Airplane powder-dusting apparatus. E. Johnson. 1,584,945; May 18.
Air storage and brake, Seat-operated. R. Learmont. 1,584,953; May 18.
Alcohol, Purifying and deodorizing isopropyl. M. D. Mann, Jr. 1,585,042; May 18.
Alloy and producing the same. J. Geppert. 1,584,922; May 18.
Amusement device. A. Russo. 1,585,605; May 18.
Animal trap. E. H. Pieczko. 1,584,802; May 18.
Antifriaring device. H. A. W. Wood. 1,584,828; May 18.
Antithumb-sucking device. W. M. Thompson. 1,584,999; May 18.
Antitoxic sera, Preparing. A. R. Dochez. 1,585,090; May 18.
Article-carrying container. R. B. Lawrence. 1,585,394; May 18.
Article receiver. W. H. Sergent. 1,584,814; May 18.
Ash receiver. C. H. Gutman. Des. 70,167; May 18.
Asynchronous motor. J. Perret. 1,585,206; May 18.
Auto signaling device. F. Balint. 1,585,227; May 18.
Automobile bumper. J. W. Suporter. 1,585,213; May 18.
Automobile chassis-frame construction. J. S. Booth. 1,584,723; May 18.
Automobile curtain attachment. C. A. Erdman. 1,585,474; May 18.
Automobile rear axles, Grease retainer for. J. W. Emerson. 1,585,189; May 18.
Automobile speed governor. J. C. Sommer. 1,585,567, May 18.
Automobile tilting apparatus. F. D. Philp. 1,585,559; May 18.
Automobile wheel. A. J. Charlton. 1,584,845; May 18.
Automobile winch mounting. C. B. Curtiss. 1,584,980; May 18.
Automobile window screen. C. A. Volker. 1,584,910; May 18.
Automobiles, Electric turn signal for. T. A. Jenkins. 1,585,546; May 18.
Automobiles, Foot wiper for. M. L. Arnold. 1,584,968; May 18.
Automobiles, Gas reserve for. W. H. Muzzy. 1,585,260; May 18.
Automobiles, Shade attachment for. C. J. Bohmbach. 1,584,722; May 18.
Automobiles, Signal arm for closed body. M. Weiss. 1,585,138; May 18.
Automobiles, Single foot pedal for. A. L. Bailey and R. R. Gatzke. 1,584,712; May 18.
Aviation engines, Extension arrangement for the propeller shafts of. J. M. Heinrich. 1,585,631; May 18.
Badge or similar article. J. G. Lusby. Des. 70,180; May 18.
Bag rack. J. H. Wallace. 1,585,577; May 18.
Balls, Device for throwing. N. E. Warwick. 1,585,446; May 18.
Bank-protecting device. J. W. Johnston. 1,585,151; May 18.
Batteries, Electrolyte for secondary. G. A. Howland. 1,585,035; May 18.
Batteries, Manufacture of alkaline secondary or storage. W. H. Bancroft. 1,585,521; May 18.
Batteries, Plate for secondary. G. A. Howland. 1,585,034; May 18.
Battery and expansible active material support therefor, Storage. R. C. Benner and H. H. Thompson. 1,585,073; May 18.
Battery-cell filler. W. E. Kershaw. 1,585,500; May 18.
Beads, Device for setting up corner. E. H. Jones. 1,585,036; May 18.
Bearing plate and method of mounting, Dowel. H. A. Lund and J. A. Barlow. 1,585,254; May 18.
Bed construction, Foldable. G. F. Cane and A. C. Wheelock. 1,584,978; May 18.
Bed, Portable fracture. M. Langworthy. 1,584,781; May 18.
Beehive. M. M. Jonian. 1,584,775; May 18.
Beet puller. J. P. Seaholm. 1,584,996; May 18.
Belt, Body. W. X. and M. B. York. 1,584,753; May 18.
Belt dressing. J. M. Lauderdale. 1,584,952; May 18.
Bending press. F. G. Schranz. 1,585,212; May 18.
Bit: *See*—
Rotary bit.
Bit-forging machine. L. Bortkewicz. 1,584,724; May 18.
Blank-feeding device, Automatic. C. Barbieri. 1,584,713; May 18.
Blanks, Machine for handling. R. S. Megathlin. 1,584,789; May 18.
Block: *See*—
Building block. Paving block.
Blotter and calendar holder, Combination. J. Mayford, jr. Des. 70,178; May 18.
Blower construction. A. J. Johnson. 1,584,944; May 18.
Board: *See*—
Play board. Strike board.
Boat-transporting apparatus. J. J. R. Haalck. 1,585,193; May 18.
Boats, Apparatus for unloading. J. R. Sensibar. 1,585,268; May 18.
Bobbins, Spacer for depolarizing. A. J. Briggs. 1,585,077; May 18.
Bobsled, Steel. L. Legare. 1,585,293; May 18.
Boiler: *See*—
Water-heating and steam-generating boiler.
Boiler furnace. E. H. Wells. 1,584,751; May 18.
Boiler furnace, Steam-. E. T. Moore. 1,585,507; May 18.
Boilers, Attachment for. W. R. Pender. 1,584,801; May 18.
Boilers, Maintaining circulation in. S. Otis. 1,585,203; May 18.
Boilers, Sediment remover for. E. L. Isaacs. 1,585,632; May 18.
Bolt: *See*—
Adjustable bolt. Wear-compensating bolt.
Bolt for self-centering device, Retaining. F. H. Bender. 1,585,362; May 18.
Book and magazine stand, Combined. L. G. Harper. Des. 70,169; May 18.
Bookmark and leaf clamp. M. J. Kasian. 1,585,037; May 18.
Bookbinding. C. F. Brenne. 1,585,076; May 18.
Boot or shoe. G. F. Naugel. 1,584,795; May 18.
Boot, Rubber. W. E. McDonald. 1,585,040; May 18.
Boron and carbon, Producing substances from. E. Podszus. 1,585,412; May 18.
Bottle. J. G. Fox. Des. 70,165; May 18.
Bottle. F. R. Miller. Des. 70,183; May 18.
Bottle and test-tube washer. G. W. Wilson. 1,584,913; May 18.
Bottle and the like, Infant's feeding. R. S. Dowell and A. W. Dowell. 1,585,330; May 18.
Bottle cap, Milk-. C. P. Paulsen. 1,585,168; May 18.
Bottle holder. S. T. Hobbs. 1,584,857; May 18.
Bottle opener and cap. H. Hanau. 1,585,384; May 18.
Bottle washer. W. C. Sievers. 1,585,317; May 18.
Bottle-washing machine. H. D. Lathrop. 1,585,392; May 18.
Bow. F. O. Cates. 1,584,729; May 18.
Box: *See*—
Collapsible box. Switch box.
Stuffing box. Window box.
Bowling pin. C. J. Sheldon. 1,585,123; May 18.
Bracelet. S. Porte. 1,585,107; May 18.
Bracket: *See*—
Scaffold bracket. Spotlight bracket.
Shade roller bracket.
Brake: *See*—
Transmission brake.
Brake construction, Safety. F. W. Lewis. 1,585,874; May 18.
Brake coupling, Hydraulic-. L. M. Drust. 1,585,541; May 18.
Brick-molding machine. J. R. Vinsant. 1,585,576; May 18.
Bridges, Support for ferry. H. P. Van Cleve. 1,585,132; May 18.
Brush, Chamois. R. T. Zell. 1,585,006; May 18.
Brush, Rotary abrading. L. B. Shultz. 1,584,997; May 18.
Buckle, Belt. H. Hartman. 1,585,031; May 18.
Building block. J. Carlsson. 1,585,374; May 18.
Building structures, Furring for. E. A. Russack. 1,585,561; May 18.
Bumper and bumper support. A. W. Nordgren. 1,585,353; May 18.
Burglarproof lock. M. B. Diskin. 1,585,089; May 18.
Burial vault. J. C. Miller. 1,585,199; May 18.
Burner: *See*—
Fuel burner. Oil burner.

Burrs from tubing, Apparatus for removing. W. S. Pritchard. 1,585,414; May 18.
Bushing replacer. R. W. Stumbaugh. 1,585,176; May 18.
Butt gauge. N. C. Wells. 1,585,060; May 18.
Cabinet, Sanitary. J. H. Thompson and J. W. Carter. 1,585,574; May 18.
Cable-connecting device. D. M. Bardon. 1,584,830; May 18.
Cable installation. D. M. Simons. 1,585,125; May 18.
Cable joint. D. M. Simons. 1,585,124; May 18.
Calendar, Perpetual. L. B. Des Nos. 1,585,470; May 18.
Calorimeter. H. F. Smith. 1,584,818; May 18.
Cameras, Stereoscopic motion-picture. W. J. Smith. 1,585,129; May 18.
Candle cup and arm, Combined. L. A. Crumley. Des. 70,158; May 18.
Candles, Manufacturing magic. H. Grünewald. 1,585,287; May 18.
Car coupling, Railway-. K. Scharfonberg. 1,585,420; May 18.
Car-door-operating mechanism. A. Campbell and A. E. Zimmer. 1,584,841; May 18.
Car ventilator. W. E. Wine. 1,585,004; May 18.
Car-wheel lock. H. M. Robertson. 1,584,994; May 18.
Cars, Automatic lock and release for mine. J. E. Jones. 1,584,746; May 18.
Cars, Underframe for railway. P. Krüger. 1,585,101; May 18.
Carburetor. G. A. Eynon. 1,584,759; May 18.
Carburetor. H. H. Hendricks. 1,585,094; May 18.
Carburetor adjuster and gasoline-line-locking device. R. G. Hallock. 1,585,346; May 18.
Carburetor, Combination oil and gas. G. W. Volz. 1,585,443; May 18.
Cardcase. J. A. Skoglund. 1,585,051; May 18.
Card-feeding mechanism. W. M. Ingram. 1,584,773; May 18.
Card holder. W. M. Adams. 1,584,710; May 18.
Card, Record. M. L. Bracken. 1,584,837; May 18.
Carrier: *See*—
Tire carrier. Umbrella carrier.
Carrier distributor. J. G. Maclaren. 1,585,302; May 18.
Carton. J. L. McIndoe. 1,585,505; May 18.
Carton, Dispensing. W. F. Harvey. 1,585,494; May 18.
Cartridge carton. N. L. Richmond. 1,584,993; May 18.
Case: *See*—
Cardcase. Packing case.
Key case. Shipping case.
Casement operator. B. A. Parker. 1,585,262; May 18.
Casting slip. H. T. Bellamy. 1,585,010; May 18.
Ceiling light. M. Klein. Des. 70,175; May 18.
Cellulose fibers, Sizing. J. A. De Cew. 1,585,469; May 18.
Cellulosic fuel, Die for the continuous production of. G. C. Humphrey. 1,585,149; May 18.
Chain, Drag-conveying. L. E. MacFadyen. 1,585,506; May 18.
Chains, Manufacturing steel conveyer. G. L. Morehead and F. S. O'Neil. 1,584,795; May 18.
Chair for children and invalids, Comfort. R. Ingham. 1,585,545; May 18.
Chair or similar article. F. Ruben. Des. 70,187; May 18.
Chandelier. H. Aglow. Des. 70,147; May 18.
Chandelier. S. Kostrzewski. Des. 70,177; May 18.
Checkwriter and protector. F. J. Stephenson. 1,585,130; May 18.
Cheese cutter. B. F. Musser. 1,585,259; May 18.
Chemical garden and making the same. G. C. Krug. 1,584,779; May 18.
Chenille-making machine. A. M. Anderson. 1,585,357; May 18.
Cigar lighter. S. E. Guinn. 1,585,028; May 18.
Cigarette receptacle. C. H. Gutman. Des. 70,168; May 18.
Ciphering device. G. S. Vernam and D. B. Perry. 1,584,749; May 18.
Circuit closer. J. A. Fischer. 1,584,762; May 18.
Circuit closer. J. R. Moor. 1,585,310; May 18.
Circuit controller. J. F. Toomey. 1,584,748; May 18.
Circuits, Constant indicator for vibratory. F. A. Rafferty. 1,584,893; May 18.
Circuits, Transformer. W. L. Casper and H. Whittle. 1,585,018; May 18.
Clamp: *See*—
Curtain clamp. Work-holding clamp.
Rail clamp.
Clamp. S. A. Clowes. 1,584,848; May 18.
Clamp. C. E. Hathorn. 1,584,935; May 18.
Clarinet. J. D. Mackey. 1,585,594; May 18.
Clarinets and the like, Key mechanism for. A. Loomis. 1,585,296; May 18.
Clay structural unit, Hollow. O. C. McCormick. 1,584,987–8; May 18.
Cleaner: *See*—
Vacuum cleaner. Windshield cleaner.
Vehicle cleaner.
Clinker-extracting shovel. E. H. Archer. 1,585,070–1; May 18.
Clinker extractor. A. B. Rumsey. 1,585,115; May 18.
Clip: *See*—
Cover clip. Label clip.
Clock, Case for an alarm. R. H. Whitehead. Des. 70,202; May 18.
Clock mechanism. S. C. Vincent. 1,584,750; May 18.
Clockwork, Electrical. E. Butticaz. 1,585,079; May 18.
Closure. W. F. Downing, jr. 1,585,331; May 18.
Closure device. A. J. E. Rylander. 1,585,562; May 18.
Cloth-cutting machine. M. F. Biersdorf. 1,584,012; May 18.
Clothesline prop, Adjustable. L. T. Wentworth. 1,585,177; May 18.
Clothes prop. H. W. Kneemoeller, jr. 1,585,587; May 18.
Clothes wringer. C. Howlett. 1,585,245; May 18.
Clutch. P. H. Ridgway. 1,585,112; May 18.
Clutch. G. Saunders. 1,585,172; May 18.
Clutch, Friction. A. Master. 1,585,256; May 18.
Clutch mechanism. M. O. Clauss. 1,584,840; May 18.
Clutch-pedal lock. R. Taeger. 1,585,054; May 18.
Cock-operating device, Pet-. J. W. Gault. 1,585,610; May 18.
Coil, Inductance. F. L. Judd and E. D. Pitt. 1,585,389; May 18.
Coin-counting mechanism. E. P. Dounellan. 1,585,380; May 18.
Coin sorter. F. E. Hageman. 1,585,242; May 18.
Collapsible box. M. R. Kondolf. 1,585,390; May 18.
Collar. J. S. Easton. 1,584,918; May 18.
Comb. G. B. Canada. 1,585,231; May 18.
Commodity-control devices, Insert holder for. A. L. Saltzman. 1,584,995; May 18.
Compressors, Valve mechanism for. F. C. Marshall. 1,584,787; May 18.
Concrete blocks, Mold for. W. A. Flint and C. H. Cochran. 1,584,920; May 18.
Concrete crib. J. H. Tromanhauser. 1,585,053; May 18.
Concrete form. Herman F. Schneider. 1,585,421; May 18.
Concrete structures, Apparatus for use in erecting. P. T. Creedon. 1,585,083; May 18.
Container. F. J. Rush. 1,585,046; May 18.
Container, Convertible liquid. W. L. Bass. 1,585,524; May 18.
Containers, Device for maintaining a constant pressure in. J. A. R. Bennet. 1,585,181; May 18.
Control, Balanced system of. E. Roucka. 1,585,170; May 18.
Control mechanism. E. B. Thurston. 1,585,518; May 18.
Conveyer system. J. T. Cowley. 1,585,234; May 18.
Conveyer system. F. B. Peebles. 1,584,889; May 18.
Copyholder. H. G. Chase. 1,585,531; May 18.
Cords, Apparatus for producing ended. E. E. Waite. 1,585,125; May 18.
Cornice plate. W. Covell. 1,585,468; May 18.
Corrosion apparatus. C. P. Tolman. 1,584,906; May 18.
Corset brassière. F. McDonald. 1,585,298; May 18.
Cotter-pin puller. G. F. Krieger. 1,585,588; May 18.
Cotton, Hulling and cleaning feeder for. J. A. Streun. 1,585,131; May 18.
Coupling: *See*—
Brake coupling. Tire coupling.
Railway-car coupling.
Cover. G. O. N. Brandberg. 1,585,279; May 18.
Cover clip. M. I. M. Brown. 1,585,280; May 18.
Crane, Electric. P. D. Ionides. 1,585,351; May 18.
Cream and like materials to biscuits and the like, Machine for applying. L. Rondolin. 1,585,114; May 18.
Crossing. G. D. Worley. 1,585,583; May 18.
Crotonaldehyde, Making. C. J. Herrly. 1,585,096; May 18.
Crusher. A. H. Stebbins. 1,585,052; May 18.
Cuff-making machine. O. A. Wheeler. 1,585,061; May 18.
Cultivator, Tractor. A. G. and A. Ronning. Re16,352; May 18.
Culvert. J. H. Schlafly. 1,585,265; May 18.
Culvert. J. H. Schlafly. 1,585,266; May 18.
Culvert, Nestable. K. J. Thorsby. 1,584,963; May 18.
Cup-forming machines, Automatic cup-blank-feed attachment for. R. Holman. 1,584,745; May 18.
Current centrifuge, Alternating-. O. Sindl. 1,585,566; May 18.
Current-rectifying device. W. O. Snelling. 1,585,431; May 18.
Curtain clamp, Automobile. H. Bodan. 1,585,228; May 18.
Curtains, Suspension device for. O. E. Buley. 1,585,078; May 18.
Curtains, Winding and counterbalancing mechanism for. R. H. Greegor. 1,585,191; May 18.
Cushion: *See*—
Hairpin cushion.
Cutter: *See*—
Cheese cutter.
Curved bolt lock. C. W. Lanphere. 1,584,950; May 18.
Cutting device. C. Wilhite. 1,584,011; May 18.
D top. W. Withington. 1,585,222; May 18.
Damper for heating and ventilating units. J. J. Nesbitt. 1,584,990; May 18.
Dashpot. H. L. Merrick. 1,584,884; May 18.
Dehairing machine, Carcass-. L. A. Kramer. 1,585,553; May 18.
Dehairing machine, Hog-. L. A. Kramer. 1,585,554; May 18.
Derrick or steel tower, Steel. J. E. Murphy. 1,584,794; May 18.
Desk, School. N. Hale. 1,585,491; May 18.
Desk, Sectional. J. G. Langdon. 1,585,102; May 18.
Die: *See*—
Nailing die. Threading die.

Differential. C. H. Taylor and B. B. Neuteboom. 1,585,438; May 18.
Dike. F. E. Gordon and Z. A. Frisbie. 1,584,766; May 18.
Direction-indicator. D. M. Susi. 1,585,272; May 18.
Discharge mechanism. C. A. Monson and H. Gearing. 1,585,406; May 18.
Disconnecting switch, Outdoor. C. Christensen. 1,584,731; May 18.
Disconnecting switch. C. Christensen. 1,584,732–3; May 18.
Dish or plate. L. Oster. 1,584,888; May 18.
Disk crushers, Disk assembly for. C. B. Andrews. 1,585,457; May 18.
Dispatch systems, Carrier distributor for pneumatic-. J. G. Maclaren. 1,585,304; May 18.
Dispatch systems, Central distributing apparatus for. J. G. Maclaren. 1,585,303; May 18.
Dispatch systems, Spacing device for pneumatic-. J. G. Maclaren. 1,585,305; May 18.
Dispensing device. W. R. D. McQuarrie. 1,584,878; May 18.
Dispensing device. A. C. Wilson. 1,585,321; May 18.
Display carton and container, Sardine-. W. W. Roberts, C. R. Robinson, and H. W. Hopkins. 1,585,209; May 18.
Display device. F. C. and F. H. Kaiser. 1,584,777; May 18.
Display holder. O. P. Wolcott. 1,585,223; May 18.
Distillation, Method and apparatus for. W. E. Chenot. 1,584,730; May 18.
Doll. E. W. Brückner. Des. 70,156; May 18.
Door, Articulated. G. E. Stevenson. 1,585,270; May 18.
Door-clamping machine. E. Satzger, sr. 1,585,171; May 18.
Door closer and check. A. J. De Hon. 1,584,981; May 18.
Door holder. J. P. Grimley. 1,585,241; May 18.
Door holder, Friction. N. B. Hurd. 1,585,247; May 18.
Door opener, Automatic. C. A. Carlson. 1,584,842; May 18.
Doors, Locking device for carriage. C. W. A. Hannebohn. 1,585,144; May 18.
Double tube. J. F. Mock. 1,584,792; May 18.
Draft mechanism. H. A. Reeley. 1,585,603; May 18.
Draft rigging. B. W. Kadel. 1,585,550; May 18.
Draw works, Rotary. W. D. Davidson and E. W. Goeser. 1,585,085; May 18.
Drawer lock. W. D. Richards. 1,584,992; May 18.
Drawing-board attachment. J. Loycano. 1,585,397; May 18.
Drier. E. Dewey. 1,585,283; May 18.
Drier and deodorizer. D. T. Hulse. 1,585,387; May 18.
Drill: *See*—
Rock drill.
Drilling and fishing jar. A. F. Faley. 1,585,475; May 18.
Drills, Graduated air-feed relief for rock. F. M. Slater. 1,584,817; May 18.
Drills, Spool valve for rock. L. C. Bayles. 1,584,715; May 18.
Drum and canopy, Combined heating. H. M. Sheer. 1,585,424; May 18.
Drum-driving mechanism. O. C. Hamel. 1,585,493; May 18.
Dry-room tumbler. F. E. Kraft. 1,584,867; May 18.
Drying mechanism and the like. S. Gertz. 1,584,764; May 18.
Drying process and apparatus. T. Rigby. 1,585,511; May 18.
Ductile tungsten, Manufacturing. A. Just. 1,585,497; May 18.
Dump gate. J. B. Seaverns. 1,585,120; May 18.
Edge-finishing machine. E. M. Spence. 1,584,822; May 18.
Egg cocker. M. F. Hobson and W. H. Moore. Des. 70,172; May 18.
Electric braking system. R. N. Thomas. 1,585,439; May 18.
Electric currents, Converter for. F. G. Simpson. 1,585,173; May 18.
Electric flasher. J. W. Phelps. 1,584,892; May 18.
Electric heater. A. J. Kercher and W. W. Hicks. 1,584,948; May 18.
Electric-light fixture. J. J. Balk. Des. 70,150–1; May 18.
Electric-light fixtures, Canopy for. J. J. Balk. Des. 70,152; May 18.
Electric-light fixtures, Wall plate for. J. J. Balk. Des. 70,149; May 18.
Electric signaling device, Periodic. A. W. Tupper. 1,585,319; May 18.
Electric signaling device, Time-controlled. A. W. Tupper. 1,585,318; May 18.
Electric switch, Clock-controlled. J. Danial. 1,584,737; May 18.
Electric switch, Oil-brake. P. Charpentier. 1,585,232; May 18.
Electric switch, Train-operated. J. K. West. 1,585,178; May 18.
Electric switches and other devices, Controlling mechanism for progressively movable. C. L. Goodrum. 1,585,024; May 18.
Electric winch. P. Wilsing. 1,585,065; May 18.
Electrical apparatus. J. M. Weed. 1,585,448; May 18.
Electrical condenser. O. Gruenberger. 1,584,923; May 18.
Electrical switch. H. Gernsback. 1,585,485; May 18.
Electrically conductive bodies, Means for electric proof and measuring of the distance of. H. Löwy. 1,585,591; May 18.
Electrically-operated machines, Controlling. H. S. Holmes. 1,584,939; May 18.
Electrode. D. M. Simons. 1,585,126; May 18.
Electromagnetic devices, Support for the windings and the movable magnetic members of. C. F. Carpenter and L. J. Weber. 1,585,630; May 18.
Electromagnetic responsive device. R. G. Tugendhat. 1,585,216; May 18.
Electron-discharge apparatus. S. L. Clothier. 1,585,464; May 18.
Electron-discharge apparatus and operating the same. J. C. Warner. 1,585,445; May 18.
Embossing machine. C. C. Zabriskie. 1,585,354; May 18.
Engine: *See*—
Air engine. Internal-combustion engine.
Engine, Apparatus for determining the moment of ignition in an internal-combustion. R. M. Getchell. 1,585,486; May 18.
Engine bearings, Reboring appliance for. A. T. Green. 1,585,026; May 18.
Engine-flushing device. B. Gorschalki and L. L. Riggin. 1,585,025; May 18.
Engine ignition timer. M. Mallory. 1,584,881; May 18.
Engine of the Diesel type, Two-stroke internal-combustion. P. Schmaljohann. 1,585,117; May 18.
Engine throttling and fuel-heating apparatus, Internal-combustion-. H. A. Trussell. 1,585,056; May 18.
Engines, Atomizer for internal-combustion. C. W. Gillett. 1,585,142; May 18.
Engines, Fuel reatomizer for gas. W. A. Edwards. 1,585,139; May 18.
Engines, High-pressure metered fuel ejector for internal-combustion. G. A. Bell. 1,585,277; May 18.
Engines, Temperature regulator for internal-combustion. L. C. Galli. 1,585,091; May 18.
Engines, turbines, and the like, Hydraulic governor for. J. O. Boving. 1,585,529; May 18.
Envelope, Duplex. C. F. Elmore. 1,585,239; May 18.
Envelope, Duplex. F. J. Parks. 1,584,961; May 18.
Envelope-opening attachment. W. Aab. 1,584,966; May 18.
Ether-can attachment dropper. G. J. Kadavy. 1,584,864; May 18.
Expansion joint and ribbon edger. T. Swanson. 1,585,571; May 18.
Extractor: *See*—
Clinker extractor.
Eyeglasses, Lens mounting for. G. Bausch. 1,584,714; May 18.
Eye protector, Antiglare. P. R. Fant. 1,585,023; May 18.
Fabric and collar made therefrom. J. S. Easton. 1,584,917; May 18.
Fabric and making same, Friction. J. A. Heany. 1,585,623; May 18.
Fabric and yarn for making the same, Friction. J. A. Heany. 1,585,624; May 18.
Fastener. I. C. Fife. 1,585,478; May 18.
Feed mechanism. W. T. B. Roberts. 1,584,807; May 18.
Fertilizer of urea, Producing a. J. H. Lidholm. 1,584,875; May 18.
Filling stations, Nozzle for. E. H. Eickman. 1,585,332; May 18.
Films and prints, Machine for developing, washing, and finishing photographic. S. H. Morse. 1,585,408; May 18.
Filter. O. Hoy. 1,585,246; May 18.
Filter, Gasoline. K. S. Hensley. 1,584,743; May 18.
Filter, Sand-dome. F. L. Green. 1,585,192; May 18.
Finger ring. J. Martin. Des. 70,182; May 18.
Finger ring. A. Steller. 1,585,516; May 18.
Fire-alarm signal. G. A. Shaffer. 1,585,122; May 18.
Fire-fighting apparatus, Forest-. E. W. Hinberger. 1,585,146; May 18.
Fish net. C. K. Freer. 1,585,483; May 18.
Flask, Extraction. E. L. Webb. 1,585,447; May 18.
Flexible wrench. H. A. Jones. 1,584,861; May 18.
Floor covering and making the same. S. Reichert. 1,585,111; May 18.
Floor drain. W. S. Fleming. 1,584,986; May 18.
Floors, beams, and slabs, Manufacture or production of concrete. H. F. Smith and C. H. Tuckwell. 1,585,430; May 18.
Flour-treating apparatus. R. H. Guerrant. 1,584,924; May 18.
Flues, Grille for heating. T. A. Sain. 1,585,116; May 18.
Flues, Subthimble for lateral. T. E. Williamson. 1,584,912; May 18.
Fluid-pressure-testing device. A. O. Kahle. 1,584,865; May 18.
Fluid propeller. W. H. Leinweber. 1,584,955; May 18.
Folding table. G. R. Stine. 1,585,569; May 18.
Food products and container therefor, Packing. G. C. Supplee. 1,584,903; May 18.
Forceps, Obstetrical. L. G. Barton. 1,585,523; May 18.
Frame: *See*—
Rack frame. Twisting frame.
Frames, Top band for hat. W. C. Lohse. Des. 70,179; May 18.

Fruit and the like, Composition for treating. E. M. Brogden. 1,585,371; May 18.
Fruit, Preservation of fresh. E. M. Brogden. 1,585,370; May 18.
Fuel burner. T. A. Nissinen. 1,585,201; May 18.
Fuel economizer. G. L. Zucker. 1,585,584; May 18.
Fuel, Motor. L. Edeleanu. 1,585,473; May 18.
Fuel tank. J. E. Bland. 1,585,460; May 18.
Furnace: *See*—
Boiler furnace. Hot-air furnace.
Furnace. H. Lipkemann. 1,585,297; May 18.
Furnaces, System and method for operating electric. R. J. Gaudy. 1,584,763; May 18.
Furniture, Article of. C. R. Uhl. 1,584,826; May 18.
Game apparatus. H. A. Kennedy. 1,585,251; May 18.
Game apparatus. J. R. Lowell. 1,585,160; May 18.
Garden curryall. C. M. Van Husan. 1,585,575; May 18.
Garment, Fresh-air. A. M. Simpson. 1,585,426; May 18.
Garter. L. E. Berry. 1,584,833; May 18.
Gas masks, Respirator for. R. J. Robert. 1,585,113; May 18.
Gas producer. V. D. McDonnell. 1,585,400; May 18.
Gasket and mixing device, Combination. J. F. Mayer and F. Riemer. 1,585,403; May 18.
Gasoline, Making. R. C. Holmes, F. T. Manley and O. Behimer. 1,585,496; May 18.
Gasoline, Renovating and clarifying used. W. Allinson. 1,585,456; May 18.
Gate: *See*—
Dump gate.
Gauge: *See*—
Butt gauge. Volume-regulator gauge.
Tire gauge.
Gauge rod, Insulated. H. F. Heyl and W. G. Hulbert. 1,585,495; May 18.
Gear, Draft. H. C. Priebe. 1,585,207; May 18.
Gear, Draft. H. C. Priebe. 1,585,208; May 18.
Gear or pulley removing tool. F. G. Eisenhuth. 1,584,855; May 18.
Gear, Planetary. R. Matteucci. 1,585,198; May 18.
Gear-shifting device. F. E. Best. 1,585,364; May 18.
Gear, Universal driving. A. Schroeder. 1,585,119; May 18.
Gearing for transmitting rotary motions. R. Erban. 1,585,140; May 18.
Gearing, Reduction. W. E. Bee. 1,585,361; May 18.
Gears, Mounting for brake. S. J. Strid. 1,584,823; May 18.
Generator: *See*—
Steam generator. Thermal generator.
Glass: *See*—
Wire glass.
Glass, Annealing. K. M. Henry. 1,585,542; May 18.
Glass, Manufacture of sheet. C. H. Harding. 1,584,768; May 18.
Glass, Marking. A. A. Mansurzadah. 1,585,555; May 18.
Glasses, Multifocal. H. V. Hallman. 1,585,489; May 18.
Golf-ball tee. C. F. Benneke. 1,584,832; May 18.
Golf club. A. C. Link. 1,585,294; May 18.
Golf clubs, Attachment for. A. C. Girwood. 1,585,190; May 18.
Governor. R. G. Handy and A. A. Bull. 1,584,929–33; May 18.
Governor. H. F. Schmidt. 1,584,813; May 18.
Grading materials, Process and apparatus for. H. W. Price. 1,585,413; May 18.
Grain-cutting apparatus. L. L. Ladd. 1,584,869; May 18.
Grain-door puller. A. Chandler. 1,585,463; May 18.
Grinder. J. Bland. 1,584,721; May 18.
Grinding-wheel spindle reciprocating mechanism. A. G. Belden and C. G. Flygare. 1,584,717; May 18.
Grease, dirt, and paint removing apparatus. D. S. Gunther. 1,584,925; May 18.
Gutter hanger. M. Rachlin. 1,584,805; May 18.
Gun carriage. B. P. Joyce. 1,584,946; May 18.
Gun, Grease. W. S. Josephson. 1,584,863; May 18.
Gymnasium equipment. J. L. Ensor. 1,585,334; May 18.
Hair crimper. C. P. Benjamin. 1,584,831; May 18.
Hairpin. C. R. Bendig. 1,585,363; May 18.
Hairpin cushion. H. C. and M. A. Fraser. 1,585,482; May 18.
Hair waver, Artificial-. G. D. Robinson. 1,585,417; May 18.
Hair-waving device. C. C. Bradbury. 1,584,974; May 18.
Handling apparatus, Material-. R. W. McCasland. 1,585,399; May 18.
Hanger: *See*—
Gutter hanger.
Hanger. M. Smette. 1,585,174; May 18.
Harvester, Hay. C. Hanselman. 1,585,243; May 18.
Hay-loader attachment. W. Rabe and G. A. Montrose. 1,585,601; May 18.
Haystacker. J. P. Olson. 1,585,313; May 18.
Headlight-bulb shade. A. Burton. 1,585,183; May 18.
Headlight construction, Operating device for dirigible-. F. M. Nash. 1,585,165; May 18.
Headlight, Dirigible. P. V. McLaughlin and A. R. Stillwell. 1,585,593; May 18.
Headlight, Dirigible. W. V. Van Etten. 1,584,908; May 18.
Headlight glareshield. C. H. Hoffman. 1,585,194; May 18.
Headlight, Swinging automobile. C. E. Blackburn. 1,584,720; May 18.
Headlights, Glare preventer for automobile. J. B. Coaker, W. A. Baldwin, and A. M. Smith. 1,585,465; May 18.
Heat-conserving apparatus. R. N. Ehrhart. 1,584,758; May 18.
Heat regulator for heating systems. E. H. White. 1,585,451; May 18.
Heater: *See*—
Electric heater. Lantern heater.
Hot-water heater. Roll heater.
Internal-combustion engine heater. Water heater.
Heating apparatus, Air-. V. Olofson. 1,585,410; May 18.
Heating system, Locomotive feed-water-. E. A. Averill. 1,585,226; May 18.
Heel, Adjustable rubber. A. M. Eichorn. 1,584,983; May 18.
Heel lining. J. A. Skoglund. 1,575,049; May 18.
Heel lining for shoes. J. A. Skoglund. 1,585,048; May 18.
Heel-pocket lining. J. A. Skoglund. 1,585,050; May 18.
Heel, Rubber shoe. H. S. Willis. 1,585,220; May 18.
Helicopters, Propeller for. G. S. Sargent. 1,584,810; May 18.
Hides, skins, and the like, Treatment of. C. J. M. M. Le Petit. 1,585,395; May 18.
Hinge and brace rod, Adjustable hood. R. K. Jack. 1,584,942; May 18.
Hinge, Windshield. G. A. Jacobs. 1,585,248; May 18.
Hoist mechanism for power loaders. Samuel Shafer, jr., and L. H. Draeger. 1,585,423; May 18.
Hoisting and conveying device. T. S. Miller and J. H. Dicklinson. 1,585,162; May 18.
Hoists, Automatic reversing device for rope. W. E. Hale. 1,585,492; May 18.
Hopper, Discharge. A. N. White. 1,585,062; May 18.
Hopple coupling. J. C. Nichols. 1,585,261; May 18.
Hose, Adjustable pressure feed and equalizing chuck for inflating. W. A. Harris. 1,584,934; May 18.
Hot-air furnace. L. W. Hamilton. 1,585,030; May 18.
Hot-water heater. F. W. Birtch. 1,583,366; May 18.
Hook: *See*—
Snap hook.
Humidifier. W. M. Goode. 1,585,488; May 18.
Humidifying apparatus. G. W. D'Arcy. 1,585,536; May 18.
Humidifying apparatus. R. Febles. 1,585,476; May 18.
Hydraulic mains, Preventing pitch deposit in. W. F. Dorner. 1,584,916; May 18.
Hydrocarbon compounds resulting from the cracking of oils, Electrochemical treatment of unsaturated. D. L. Thomas. 1,585,573; May 18.
Ice-cream dasher. W. B. Dow. 1,584,757; May 18.
Ice-scoring machine. H. L. Gee and R. H. Darby. 1,584,921; May 18.
Ice trunk. E. B. Hess. 1,585,032; May 18.
Ignition system. M. Mallory. 1,585,402; May 18.
Impulse transmitter, reproducer, and recorder. W. D. Pack. 1,585,204; May 18.
Indicator: *See*—
Direction indicator. Weight indicator.
Station indicator.
Indicating device. W. B. Rice. 1,584,806; May 18.
Indicating instrument. O. W. Heise. 1,584,742; May 18.
Inhaler, Pocket. C. H. Coles. 1,585,466; May 18.
Ink-fountain-ductor trip mechanism. J. R. Blaine. 1,585,367; May 18.
Ink-removing liquid composition. M. A. Lange. 1,584,871; May 18.
Inkstand, Embedded. W. T Guth. 1,585,029; May 18.
Insulated apparatus, Protection of liquid. M. Buchholz. 1,585,014; May 18.
Insulating means. C. T. Melvin. 1,585,404; May 18.
Insulator. A. O. Austin. 1,585,359; May 18.
Internal-combustion engine. J. H. Cromwell. 1,585,377; May 18.
Internal-combustion engine. E. Herkt. 1,585,095; May 18.
Internal-combustion engine. M. K. Williamson. 1,585,453; May 18.
Internal-combustion-engine-cylinder lubrication. R. L. Skinner, P. C. Walrath, and E. H. Lambert. 1,584,897; May 18.
Internal-combustion-engine heater. A. T. Johanson. 1,584,943; May 18.
Iron: *See*—
Smoothing iron.
Iron and the like with a certain percentage of carbon directly out of iron ore or the like, Producing. H. G. Flodin and E. G. T. Gustafsson. 1,585,240; May 18.
Item recorder. C. H. Wallace. 1,585,273; May 18.
Jack. G. Jordan. 1,585,291; May 18.
Jack. P. S. Kimball. 1,584,866; May 18.
Jar: *See*—
Drilling and fishing jar.
Joint: *See*—
Cable joint.
Joint-building machine. D. M. Simons and F. D. Barbour. 1,585,127; May 18.
Joint fastener. R. Hale. 1,584,926; May 18.
Journal-box-fastening means. D. S. Barrows. 1,585,522; May 18.
Kettle, Mixing. J. G. B. Perkins and E. F. Gould. 1,585,169; May 18.
Key case. H. Cave. 1,584,844; May 18.
Key holder. G. L. Robbins. 1,584,804; May 18.
Kiln for burning earthenware. W. L. Burley. 1,585,015; May 18.

Kiln, Tunnel. G. W. Booth. 1,585,013; May 18.
Kiln, Tunnel. P. A. Meehan and H. M. Robertson. 1,584,883; May 18.
Knife and fork, Combination. P. E. Coursen and E. F. Jacobus. 1,585,533; May 18.
Knob, Drawer. M. H. Rosenthal. Des. 70,186; May 18.
Knockdown table. C. O. Bauer. 1,585,459; May 18.
Label clip. W. T. Sherer. 1,584,815; May 18.
Labels, Apparatus and method of decorating. H. A. Yaffee. 1,584,914; May 18.
Lace. G. Radford. Des. 70,184; May 18.
Lamp, Arm for a. H. Stone. Des. 70,196; May 18.
Lamp, Electric gas. A. Lederer. 1,585,252; May 18.
Lamp for locomotive cabs and the like. F. R. Cooper. 1,585,467; May 18.
Lamp pedestal. S. Czapek. Des. 70,160–2; May 18.
Lamp shade and making the same. A. E. Dixon. 1,585,379; May 18.
Lamp sockets, Adapter for electric-. A. C. Recker. 1,585,109; May 18.
Lamps, Flash socket for incandescent electric. A. K. Wibanto. 1,585,580; May 18.
Lantern. A. H. Handlan. 1,584,928; May 18.
Lantern heater. A. Pederson. 1,585,106; May 18.
Lantern or article of similar nature. I. Rosenblatt. Des. 70,188; May 18.
Land-working apparatus. A. E. Caldwell. 1,585,081; May 18.
Latch. H. A. Good. 1,585,343; May 18.
Latch, Gravity. C. G. Palmer. 1,585,167; May 18.
Laundry machine. E. L. Hurd. 1,584,769; May 18.
Lawn trimmer. S. Takacs. 1,585,572; May 18.
Lead acetate, Production of. R. Plaueln. 1,585,316; May 18.
Leg brace and caster-support bracket, Combination. W. H. Noelting. 1,585,312; May 18.
Letter file. G. E. Doughty. 1,585,237; May 18.
Life-saving device. G. Jordan. 1,585,195; May 18.
Lifting device. J. Bamberger. 1,585,325; May 18.
Light: *See*—
Signal light.
Light-circuit interrupter. C. H. Hauck. 1,584,856; May 18.
Light fixture. A. F. Dickerson. 1,585,472; May 18.
Lighting fixture. C. G. Wing. Des. 70,204; May 18.
Lighting fixture and lamp socket therefor, Electric-. M. Herskovitz. 1,585,011; May 18.
Lighting-fixture arm. H. Aglow. Des. 70,148; May 18.
Lighting-fixture body. L. A. Crumley. Des. 70,159; May 18.
Lighting-fixture body. M. Schlepp. Des. 70,194; May 18.
Lighting fixture, Shield for use as part of a. G. E. Villaret. Des. 70,198; May 18.
Lighting fixtures, Bracket arm for. G. E. Villaret. Des. 70,197; May 18.
Lighting fixtures, Bracket arm for. G. E. Villaret. Des. 70,199; May 18.
Lighting fixtures, Chain for electric. A. C. Recker. 1,585,110; May 18.
Lighting fixtures, Finishing. P. I. Ansorage. 1,584,709; May 18.
Lighting fixtures, Wall bracket for. J. Knieriem. Des. 70,176; May 18.
Lining and method. S. B. Waxman. Re16,353; May 18.
Lining material on covers, Apparatus for drying. B. Dewey and T. T. Miller. 1,585,282; May 18.
Link and strut, Fusible. L. A. Bisson. 1,584,719; May 18.
Liquid container. C. Dill and L. M. White. 1,584,854; May 18.
Liquids containing them, Separation of the solid constituents of. H. N. McLeod. 1,585,300; May 18.
Lock: *See*—
Burglar-proof lock. Locker lock.
Clutch-pedal lock. Nut lock.
Curved bolt lock. Permutation lock.
Drawer lock.
Lock. F. A. Vossenberg. 1,585,444; May 18.
Lock and release belt shifter and brake, Automatic. G. P. Hawkins. 1,585,385; May 18.
Lock having an inner and an outer handle rotatable independently of each other. W. Overdick. 1,585,105; May 18.
Locker lock. W. N. Vance. 1,584,827; May 18.
Locomotive-frame binder support. H. A. Miller. 1,585,597; May 18.
Locomotives, Air manifold for. F. S. Kerrigan. 1,585,499; May 18.
Loom. O. A. Anderson. 1,584,829; May 18.
Lubricant distributor. C. C. Crispen. 1,585,186; May 18.
Lubrication, Steering-knuckle. V. Link. 1,585,396; May 18.
Magazine spanner. W. T. Fisher, G. H. Whitehouse, and G. F. R. Pineger. 1,585,338; May 18.
Magnet-coil assembly. H. E. Campbell. 1,585,017; May 18.
Mail-box post. M. R. Dobbins. Des. 70,163; May 18.
Manhole covers, Safety locking device for. C. L. Burnham. 1,585,372; May 18.
Manure distributor. J. S. Chilton. 1,585,020; May 18.
Measuring device in the connecting line between electric power stations working in parallel. W. Beusch. 1,585,326; May 18.
Measuring instrument, Combination. F. Schlattau. 1,585,563; May 18.
Mechanical movement. E. L. Hurd. 1,584,771; May 18.
Medal. G. O. Jordan. Des. 70,174; May 18
Medical applicator. W. E. Montgomery. 1,585,104; May 18.
Medlumistic board. C. Hidalgo and J. L. Zuazua. Des. 70,170; May 18.
Memorandum pad, Replaceable. R. M. Hall. 1,584,927; May 18.
Metal, Electrodeposited. C. P. Madsen. 1,584,959; May 18.
Metal former. J. Biro. 1,584,971; May 18.
Metal-mixing machine. J. H. Konigsberg. 1,585,155; May 18
Metal structure. C. P. Astrom. 1,584,711; May 18.
Metal-working machines and the like, Micrometer feeding device for. L. J. Brunton. 1,584,976; May 18.
Metallurgical apparatus. W. E. Greenawalt. 1,585,344; May 18.
Metatarsal pad locator. J. L. Barth. 1,585,458; May 18.
Metering machine, Automatic. B. S. Summers. 1,584,901; May 18.
Microscope, Attachment. C. H. Bierbaum. 1,585,278; May 18.
Mines, tunnels, and subways, Apparatus for purifying. G. A. Arkwright. 1,585,358; May 18.
Mining machine. R. MacEachen. 1,585,041; May 18.
Mirror mounting, Adjustable. G. H. Higbee, jr. 1,584,938; May 18.
Mirrors, Manufacturing. T. W. Case. 1,584,728; May 18.
Mold. R. A. Lovelace. 1,584,784; May 18.
Mold distortion, Control for permanent. H. S. Lee and A. E. Chaffee. 1,584,954; May 18.
Molding, Chaplet for. G. L. Waitt. 1,585,136; May 18.
Molding machine, Rotary. E. V. Ronceray. 1,584,808; May 18.
Monocycle, Pole. A. Moore. 1,585,258; May 18.
Monument, Repository. D. C. Patterson. 1,585,411; May 18.
Mop. R. G. S. MacPherson. 1,585,306; May 18.
Mop head. J. A. Hilton. 1,585,033; May 18.
Motor: *See*—
Asynchronous motor. Spring motor.
Motor. W. P. Denny. 1,584,740; May 18.
Motor control. K. K. Roby. 1,585,629; May 18.
Motor protection, Multispeed-. E. B. Thurston. 1,585,519; May 18.
Motor-vehicle signal-operating switch. W. Van Guilder. 1,584,909; May 18.
Mousetrap. J. W. Shumate. 1,585,047; May 18.
Musical instruments, Pneumatic action for automatic. W. E. Spaethe. 1,584,899; May 18.
Nalling die. J. H. Pope. 1,584,804; May 18.
Navigation apparatus. M. Roux. 1,585,210; May 18.
Neck-shaving gauge. A. G. Delmon. 1,585,088; May 18.
Nut lock. A. Marchand. 1,585,595; May 18.
Nut lock. D. O'Brien. 1,585,627; May 18.
Nuts, Salting and roasting. W. J. Smith. 1,585,128; May 18.
Octave key. A. Loomis. 1,585,295; May 18.
Oil burner. L. S. Chadwick. 1,585,019; May 18.
Oil burner. O. J. Moussette. 1,585,311; May 18.
Oil burner. W. E. Wine. 1,585,221; May 18.
Oil sampler, Automatic crude-. G. L. Banks. 1,585,072; May 18.
Oils, Catalyzing. G. Prichard and H. Henderson. 1,585,263; May 18.
Oils, Continuously distilling and cracking hydrocarbon. J. W. Coast, jr. 1,585,233; May 18.
Oils, Conversion of. J. H. Adams. 1,585,355; May 18.
Oils, Process of and apparatus for distilling. C. M. Alexander. 1,585,224; May 18.
Olive picker. A. E. Caldwell. 1,585,080; May 18.
Optical pyrometer. E. A. Keeler. 1,585,152; May 18.
Orchard heaters, Mold for concrete. J. P. N. Wood. 1,585,455; May 18.
Organic compounds, Diazotization of. C. P. Harris and N. M. Elias. 1,585,145; May 18.
Oven, Baking. L. D. Houlis. 1,585,148; May 18.
Oxygen compound of terpene and making same. A. S. Ramage. 1,585,602; May 18.
Package wrapper. W. S. Tuttle. 1,585,057; May 18.
Packing case, Collapsible. E. Chapotat. 1,585,328; May 18.
Packing, Metallic. W. Sudekum. 1,585,433; May 18.
Pad: *See*—
Memorandum pad.
Paint. W. Whyte. 1,585,063; May 18.
Paper-cup former. D. F. Curtin. 1,584,736; May 18.
Paper, Deinking printed. L. E. Granton. 1,585,092; May 18.
Paper, fabrics, and the like, Device for transporting. E. A. Albrecht. 1,585,275; May 18.
Paper-hanging device. W. R. Young. 1,584,754; May 18.
Paper, Making pulp for. B. S. Summers. 1,584,902; May 18.
Paper, Method and apparatus for producing compound. E. H. Angier. 1,584,755; May 18.
Paper, Safety. A. I. Cone. 1,584,850; May 18.
Paper slitter. H. L. Kutter. 1,584,868; May 18.
Paper weight or similar article. A. M. Holtz. Des. 70,173; May 18.
Partition, Sectional. K. A. Weber. 1,585,137; May 18.
Paste dispensing. A. P. Brush. 1,584,838; May 18.

Paving block, Rubber-compound. R. F. Herrick. 1,585,386; May 18.
Pea-shelling machine. N. W. McLean and W. A. Kyle. 1,585,299; May 18.
Peat and product thereof, Treatment of. E. H. Winter. 1,584,965; May 18.
Pedal protector, Jaw-trap-. A. A. Shelton. 1,585,425; May 18.
Peening tool. R. A. Booker. 1,585,327; May 18.
Pelt stretcher. C. A. Strong. 1,585,053; May 18.
Pencil. R. Kaufman. 1,585,196; May 18.
Pencil holder. H. G. Jorgensen. 1,584,776; May 18.
Pencil holder, Pocket. D. F. Curtin. 1,585,235; May 18.
Perfume container. C. L. Marcus. Des. 70,181; May 18.
Permutation lock. C. F. Blades. 1,584,834; May 18.
Permutation lock. E. E. Quaintance. 1,585,045; May 18.
Phenol-aldehyde condensation products, Molding and hardening. G. M. and N. G. Hick. 1,585,348; May 18.
Phonograph cabinet. C. T. Wittstein. 1,585,454; May 18.
Piano, Automatic player. N. M. Seeburg and L. T. Barkstrom. 1,585,267; May 18.
Pick-up mechanism, Sheet-. J. R. Blaine. 1,585,368; May 18.
Picker: *See*—
Olive picker.
Picker for picker sticks. O. La Plante. 1,584,872; May 18.
Picture and sound-reproducing machine, Moving-. J. Monticelli. 1,585,599; May 18.
Pin: *See*—
Rolling pin. Self-locking pin.
Pipe or tube, Smoking. I. H. Halferty. 1,585,383; May 18.
Pipes, Apparatus for casting cast-iron. G. Kubota. 1,585,391; May 18.
Piston actuator for grease compressors. G. W. De Loach. 1,585,538; May 18.
Piston ring. H. R. Seifert. 1,585,422; May 18.
Piston-sealing ring. C. Latta. 1,584,873; May 18.
Plane. N. Binger. 1,585,305; May 18.
Plate. E. L. Schnepf. Des. 70,195; May 18.
Plate or similar article. L. H. Brown. Des. 70,155; May 18.
Play board. F. A. Hecker. 1,584,936; May 18.
Plow, Middle-breaker. C. T. Ray. 1,585,510; May 18.
Plow, Rotary. M. De Cristofaro. 1,585,086; May 18.
Plow, Tractor. E. A. Schmutte. 1,584,962; May 18.
Plug, Detachable. W. Ile. 1,585,350; May 18.
Pneumatic carriers, Designator for. F. Holdsworth. 1,585,289; May 18.
Pole. H. Etheridge. 1,584,919; May 18.
Polisher, Floor. A. A. Serva. 1,585,269; May 18.
Polishing device, Mechanical specimen-. E. V. Schaal. 1,585,515; May 18.
Pot: *See*—
Tinning pot.
Potato picker and grader. T. Belanger. 1,585,527; May 18.
Pouring device. H. P. Williams. 1,585,002; May 18.
Powdering machine. S. Lipsius. 1,584,956; May 18.
Press: *See*—
Bending press. Rimming press.
Pressing machine, Guard for leather-. J. W. Herkel and J. D. McCoy. 1,585,585; May 18.
Printing device, Multicolor-. J. A. Whittington. 1,585,579; May 18.
Printing presses, Feed-board hump for. J. B. Roche. 1,585,609; May 18.
Prints in black and a single color and the resulting product, Producing. F. E. Ives and J. F. Leventhal. 1,585,388; May 18.
Protective apparatus. D. O. Whelan. 1,585,450; May 18.
Psychomagnetic device. F. J. Wilson. 1,585,066; May 18.
Puller: *See*—
Cotter-pin puller. Grain-door puller.
Pulling device. J. E. Schoolfield. 1,585,118; May 18.
Pump. W. E. Hubbard. 1,585,544; May 18.
Pump. C. H. Steele. 1,585,175; May 18.
Pump. J. B. Teesdale. 1,584,824; May 18.
Pump, Double-plunger. G. E. Willers. 1,585,320; May 18.
Pump, rotary. C. M. Drevet. 1,585,187; May 18.
Pump, Centrifugal well. J. F. Denison. 1,585,878; May 18.
Pump structure, Slush-. M. W. Carroll. 1,584,843; May 18.
Rack: *See*—
Bag rack.
Rack for manicuring set. F. E. Weigel. Des. 70,200; May 18.
Rack frame. W. S. Lee. 1,585,157; May 18.
Radiation control for balanced-pressure radiators, Adjustable. G. J. Meyer. 1,585,257; May 18.
Radiator construction. R. M. Hyde. 1,584,772; May 18.
Radiator cover. P. E. Schleicher. 1,584,812; May 18.
Radiotransformer. S. D. Livingston. 1,585,158; May 18.
Rail clamp. F. H. Lehecka. 1,585,504; May 18.
Rail-mounting means. J. P. and C. G. Lundgren. 1,585,039; May 18.
Railway rails, Securing. L. Gliba. 1,585,027; May 18.
Railway signaling. F. H. Nicholson. 1,584,991; May 18.
Railway tie. C. E. Dow. 1,585,021; May 18.
Railway tie. W. M. Kehr. 1,585,552; May 18.
Railway-tie construction. C. L. Ruse. 1,585,419; May 18.
Railway-tie remover and replacer. G. W. Kimble and L. Watson. 1,585,154; May 18.
Railway-track construction. H. H. Diehl. 1,585,285; May 18.
Railway vehicle. E. G. Carr. 1,584,727; May 18.
Railways, Safety switch construction for. J. B. Davis. 1,585,537; May 18.
Rake: *See*—
Sweep rake.
Rake and cocker, Hay. W. W. Hench. 1,585,093; May 18.
Ramming tools, Handle for percussive. R. F. Page. 1,584,799; May 18.
Ramming tools, Valve for percussive. R. F. Page. 1,584,800; May 18.
Razor and blade holder therefor. J. Schick. 1,584,811; May 18.
Receptacle-making machine. C. P. Wellman. 1,584,964; May 18.
Receptacles, Manufacture of. H. Jepsen. 1,584,774; May 18.
Recorder: *See*—
Item recorder.
Recording device. H. M. Gill. 1,585,487; May 18.
Refrigerating apparatus. E. A. Burrows. 1,585,016; May 18.
Refrigerating machines, Pressure-controlled valve and switch for. J. T. Lagergren. 1,584,870; May 18.
Register mechanism, Side-. J. R. Blaine. 1,585,369; May 18.
Resawing machine. J. A. Neal. 1,584,796–7; May 18.
Resonance arrangement particularly applicable to electric relays. C. Oliver. 1,585,508; May 18.
Rheostat arm. M. A. and M. F. Szukalski, jr. 1,585,214; May 18.
Rheostat, Vernier. O. F. Heslar. 1,585,347; May 18.
Ridge-buster attachment. W. Kirkpatrick. 1,585,292; May 18.
Rifles and shotguns, Gripping means for. W. F. Johns. 1,585,249; May 18.
Rimming press. T. H. Williams. 1,585,274; May 18.
Ring: *See*—
Finger ring. Piston ring.
Ring. E. F. Bengert. Des. 70,154; May 18.
Ring-compressing tool. H. J. Leslie and E. Raby. 1,584,783; May 18.
Ring-molding apparatus. H. S. Lee. 1,584,782; May 18.
Road drag and scarifier, Combined. W. J. Patton. 1,585,044; May 18.
Road-maintenance machine. M. L. Maney. 1,585,307; May 18.
Roaster. R. H. Talbutt. 1,585,437; May 18.
Rock drill. F. M. Slater. 1,585,428; May 18.
Rod: *See*—
Gauge rod.
Roll heater. J. C. Lear. 1,585,589; May 18.
Rotary bit, Detachable. C. T. Dougherty. 1,585,540; May 18.
Ruling-edge device. D. W. Cameron. 1,584,839; May 18.
Sadirous, Cord holder for. C. S. Ruff. 1,585,604; May 18.
Saddle, Vehicle. F. Mesinger. 1,585,405; May 18.
Salt, Preparing refrigerating. S. F. Peterson. 1,584,891; May 18.
Sand-blast apparatus. W. Jorgensen. 1,585,549; May 18.
Saw filing and gauging device. J. L. Jones. 1,585,548; May 18.
Saw frames for horizontal and vertical multiple-blade saw frames, Roller guide for. L. Hörold. 1,585,543; May 18.
Saw, Motor-driven hand. C. W. Crogan. 1,585,535; May 18.
Saw, Power hack. C. A. Stich. 1,585,432; May 18.
Scaffold bracket. F. E. Wall. 1,585,001; May 18.
Screen: *See*—
Automobile window screen.
Screening apparatus. F. W. Brackett. 1,585,461; May 18.
Seal, Liquid and mechanical. H. V. Atwell. 1,585,276; May 18.
Self-locking pin. S. A. Crone. 1,584,851; May 18.
Septic tank. C. J. O'Hare and R. G. McWilliams. 1,585,202; May 18.
Serving set. F. Macy. 1,584,879; May 18.
Sewers and the like, Method of and apparatus for moving form used in constructing monolithic. M. F. Dougherty. 1,584,756; May 18.
Shade and curtain support. G. E. Alphin. 1,585,008; May 18.
Shade-roller bracket. J. R. Williams, A. D. Stanley and J. S. Rogers. 1,585,064; May 18.
Sharpener, Knife. S. W. Wanatik. 1,585,059; May 18.
Sheet-feeding machine. C. E. Christophel. 1,584,734; May 18.
Sheet-opening machine. C. A. Streb and A. J. Maskrey, jr. 1,584,900; May 18.
Shingle. I. Davis. 1,584,739; May 18.
Shingles, Laying. G. Nyholm. 1,584,887; May 18.
Shipping case. H. R. Bliss. 1,584,972; May 18.
Shock absorber. P. Laforge. 1,585,156; May 18.
Shock absorber and snubber. G. E. Sims. 1,585,427; May 18.
Shock-absorber arm and connection. R. M. Lovejoy. 1,584,957; May 18.
Shoe forms, Process of and apparatus for making. W. J. De Witt. 1,585,284; May 18.

Shoe last. M. F. McNiff. 1,585,301; May 18.
Shoes, Lasting. C. B. Spalsbury. 1,584,820; May 18.
Shore. A. H. Symons. 1,584,905; May 18.
Shuttle-binding means. N. Demers. 1,585,539; May 18.
Sifter, Flour. F. M. Bundren. 1,585,606; May 18.
Sign, Advertising. D. S. Campbell. Des. 70,157; May 18.
Sign, Street stop-light. H. P. Andresen. 1,584,967; May 18.
Signal: *See*—
Fire-alarm signal.
Signal light. A. R. Warner. 1,585,578; May 18.
Sink stool, Pivot. C. A. Sivon. 1,584,896; May 18.
Siren. D. R. Webb, jr. 1,585,219; May 18.
Slub catcher. A. R. Perrin. 1,585,315; May 18.
Smoke and recovering deposits therefrom, Machine for clarifying. J. La Chance. 1,585,502; May 18.
Smoke-consuming furnace. J. Kelley. 1,584,947; May 18.
Smoothing iron. E. W. Kreider. 1,585,501; May 18.
Snap hook. J. M. Pericle. 1,585,314; May 18.
Snap switch. E. M. Glasgow. 1,585,148; May 18.
Soap, Nonodorous phenolated. N. Sulzberger. 1,585,434; May 18.
Sofa bedstead. I. J. Wisoff. 1,585,067; May 18.
Solids from liquids or liquids from liquids and separating the same, Machine for continuous separation of. W. C. Laughlin. 1,585,393; May 18.
Sorting device for pneumatic conveyer systems, Carrier-. W. J. Hepperle. 1,585,288; May 18.
Spark and throttle control. W. N. Osburn and F. H. Ragan. 1,585,415; May 18.
Spear, Casing. W. E. Youle. 1,585,069; May 18.
Spear, Combination drive down and pulling. P. M. Rea. 1,585,108; May 18.
Spool. H. H. Doehler and L. H. Morin. 1,585,230; May 18.
Spoon. C. H. Weisgerber. Des. 70,201; May 18.
Spoon or similar article. A. L. Barney. Des. 70,153; May 18.
Spoon or similar article. H. Hillbom. Des. 70,171; May 18.
Spotlight bracket, Adjustable. F. O. Farwell. 1,585,335; May 18.
Spout. L. Cammen. 1,584,840; May 18.
Spraying device, Sugar-. E. Roberts. 1,585,608; May 18.
Spreader driving mechanism, Controlling means for. S. S. Swanson. 1,584,904; May 18.
Spring. R. C. Morris. 1,584,989; May 18.
Spring device. J. Pohl. 1,584,803; May 18.
Spring link and bolt oiler, Dustproof. A. N. Anthes. 1,585,225; May 18.
Spring motor. F. Magidson. 1,585,161; May 18.
Spring support. J. D. Bowers. 1,584,836; May 18.
Sprinkler system, One-pipe. O. J. Holmes. 1,585,147; May 18.
Stand: *See*—
Inkstand.
Stapling Machine. A. H. Maynard. 1,584,788; May 18.
Star-wheel feeder. O. Dreher. 1,585,238; May 18.
Starch, Manufacture of. J. M. Widmer. 1,585,452; May 18.
Statement and check, Combined. R. H. Vansant. 1,585,440; May 18.
Station indicator. J. C. Nelson. 1,584,886; May 18.
Steam and oil to an oil-cracking still, Apparatus for controlling the supply of. C. J. Greenstreet. 1,585,381; May 18.
Steam-condensing means. C. Uebelmesser. 1,585,217; May 18.
Steam generator. E. W. Clevenger and J. P. Wine. 1,585,329; May 18.
Steel retainer. C. C. Hansen. 1,584,767; May 18.
Stencil sheet. R. Lant. 1,584,951; May 18.
Stereophotographs, Process and apparatus for the production of aerogeodetical. M. Gasser. 1,585,484; May 18.
Stereoscopic intraoral radiographs, Method of and apparatus for taking. S. K. Rosenthal. 1,585,264; May 18.
Sterilizer. L. A. Taylor. 1,585,215; May 18.
Stethoscope. L. H. Morin. 1,585,407; May 18.
Stone and making the same, Artificial. C. F. Christian. 1,585,184; May 18.
Stone, Preservation of. A. P. Laurie. 1,585,103; May 18.
Storage-battery element. T. K. Lewis. 1,584,747; May 18.
Storage building. F. E. d'Humy. 1,585,471; May 18.
Stove. S. Boal, W. S. Ross, and J. Dilworth. 1,584,973; May 18.
Stove, Brooder. D. H. McCorkle. 1,584,877; May 18.
Strike board. T. Swanson. 1,585,570; May 18.
Stuffing box. R. B. Deems. 1,585,087; May 18.
Stylus mounting. L. Baxter. 1,585,525; May 18.
Sulphur and making the same, Powdered. W. H. Volck. 1,585,058; May 18.
Superheater. B. Broido. 1,585,229; May 18.
Supporting and elevating means, Combined. G. F. Zaun. 1,585,065; May 18.
Surgical appliance. R. D. Foulke. 1,585,341; May 18.
Surgical appliance. M. Langworthy. 1,584,780; May 18.
Surgical sutures, Packaging. W. J. Kenyon. 1,585,498; May 18.
Suspender. H. J. Penn. 1,585,205; May 18.
Swabs, agitators, and packers for oil wells, Fluid-expansion rubber to be used on. W. G. Bisbee and B. P. Hoffman. 1,584,718; May 18.
Swatter, Fly. C. H. Grings. Des. 70,166; May 18.
Sweep rake. J. J. Champlin. 1,585,462; May 18.
Switch: *See*—
Disconnecting switch. Snap switch.
Electric switch. Time-controlled switch.
Electrical switch.
Switch. C. W. Collins. 1,585,185; May 18.
Switch. J. A. Fischer. 1,584,761; May 18.
Switch box. O. S. Jennings. 1,585,150; May 18.
Switch mechanism. E. B. Thurston. 1,585,517; May 18.
Syringe or pump. J. A. Pfarre. 1,585,628; May 18.
Table: *See*—
Folding table. Knockdown table.
Table. R. C. Erskine. Des. 70,164; May 18.
Table. C. N. Miner. 1,585,598; May 18.
Tamping machine. J. A. Johnson. 1,585,098; May 18.
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Tank closure. W. M. Roades. 1,585,512; May 18.
Tanks, Depth gauge for. G. H. Haigh and E. J. Richards. 1,585,352; May 18.
Tanning liquor. C. E. Rudd. 1,585,211; May 18.
Tap, faucet, or the like. F. A. Rowe. 1,584,895; May 18.
Telephone. J. Massolle, H. Vogt, and J. Engl. 1,585,388; May 18.
Telephone attachment. L. Kalina. 1,585,250; May 18.
Telephone mouthpiece, Snap-on. S. Schulhoff and B. F. Hoffman. 1,585,564; May 18.
Telephone receiver. H. H. C. Dunwoody. 1,585,022; May 18.
Telephone system. N. A. Kurman. 1,584,949; May 18.
Tennis-racket construction. W. C. Eastetter. 1,585,416; May 18.
Theatrical performances, Apparatus for the production of. C. J. Carlotti. 1,585,373; May 18.
Thermal generator. C. V. Logwood. 1,585,159; May 18.
Thermoelectric pyrometer. H. S. Marsh and R. S. Cochran. 1,584,882; May 18.
Thiocyanates, Recovery of. M. Darrin. 1,584,852; May 18.
Thrashers, Blower fan case for. L. J. Miller. 1,584,791; May 18.
Thrashing machines, Wind-control mechanism for. L. J. Miller. 1,584,790; May 18.
Thread and manufacturing impregnated fabric. E. Meier. 1,585,043; May 18.
Threading die. J. A. Smith. 1,584,898; May 18.
Tie: *See*—
Railway tie.
Tie plates, Finishing. J. V. Symons, T. H. Jose, and G. E. Thackray. 1,584,998; May 18.
Tile and tile arch. W. E. Wilson and H. G. Lykken. 1,585,003; May 18.
Tile filler. J. M. Larsen. 1,585,503; May 18.
Tiles, Machine for molding building. L. R. Comn. 1,584,849; May 18.
Time-controlled switch. J. Danial. 1,584,738; May 18.
Timer. V. E. Bratton. 1,584,726; May 18.
Tinning pot. J. J. Markey. 1,585,308; May 18.
Tire. T. H. Wright. 1,585,068; May 18.
Tire carrier. C. G. Swenson. 1,585,436; May 18.
Tire chains, Adjusting device for. E. A. Savary. 1,585,514; May 18.
Tire coupling. L. Lisson. 1,585,590; May 18.
Tire gauge, Pocket. E. A. Lundvall. 1,585,398; May 18.
Tire package, Pneumatic-. W. J. P. Moore. 1,584,885; May 18.
Tire, Pneumatic. A. G. Fitz Gerald. 1,585,339; May 18.
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Tire, Resilient. L. J. Wickersham. Des. 70,203; May 18.
Tire, Resilient wheel. C. D. McCollough. 1,584,785; May 18.
Tire-vulcanizing apparatus. E. Hutchens. 1,584,941; May 18.
Tires, Gripping attachment for. R. J. Feja. 1,585,336; May 18.
Tobacco, Casing. R. Febles. 1,585,477; May 18.
Toilet article. E. Hodaly. 1,584,858; May 18.
Toilet-flushing control, Foot. E. D. Miller. 1,585,557; May 18.
Tool holder. A. R. Thomson. 1,585,000; May 18.
Toothbrushes, paste tubes, or tooth powder or tumblers, Holder for. H. C. Alger. 1,585,322; May 18.
Top, Spinning. L. A. Masscotte. 1,584,960; May 18.
Torpedo. E. A. Ewing. 1,584,984; May 18.
Toy animal or the like, Decorative. A. W. Samuels. Des. 70,189–93; May 18.
Toy baseball game. J. H. Markham and A. M. Crugar. 1,585,556; May 18.
Toy blinking eye. G. B. Fitzgerald. 1,585,340; May 18.
Toy car wheel. M. Caruso. Re16,351; May 18.
Toy cartridge. J. W. Boyce. 1,585,075; May 18.
Toy dump car. M. S. Dunkelberger. 1,585,188; May 18.
Toy figure covered with fabric. H. Müller. 1,585,558; May 18.
Toy, Gyroscopic. W. C. Clausen. 1,584,979; May 18.
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Toy, Mechanical. J. Marcoux. 1,585,197; May 18.
Toy wheel. H. T. Kingsbury. 1,584,778; May 18.
Track liner. F. Hackmann. 1,585,345; May 18.
Tracks, Wheel for use on. J. J. Mackay. 1,584,786; May 18.

Tractor hitch. G. E. Randolph. 1,585,560; May 18.
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Traffic-controlling apparatus, Railway-. W. P. Allen. 1,585,356; May 18.
Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,585,286; May 18.
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Trailer, Log. L. Johnston. 1,584,862; May 18.
Trailers, Steering drive for. H. van der Hof. 1,585,133; May 18.
Train control. W. B. Allen. 1,585,007; May 18.
Transmission brake. M. Chamberlain. 1,585,082; May 18.
Transmitter, Automatic. R. E. Vaughan and W. S. D. Leland. 1,585,441; May 18.
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Trap. H. Soule. 1,585,568; May 18.
Trap jaws, Producing. L. A. Beardsley. 1,585,526; May 18.
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Truck and car. S. M. Chase. 1,585,375; May 18.
Truck for endless-track belts, Supporting. A. Kegresse. 1,585,099; May 18.
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Tube carriers, Indicating arrangement for pneumatic-. C. S. Jennings. 1,585,290; May 18.
Tubes, Removable filter for. B. Rosenberg. 1,585,418; May 18.
Turbine, Elastic-fluid. O. D. H. Bentley. 1,584,915; May 18.
Twisting frame. R. Pears and W. S. Suffern. 1,585,509; May 18.
Twisting machine. E. F. Baldwin. 1,585,360; May 18.
Twisting machines, Gearing for. C. F. Van Hook. 1,585,134; May 18.
Typewriter attachment. F. M. Nash. 1,585,166; May 18.
Typewriter attachment. A. J. Willey and F. H. Vaughn. 1,585,582; May 18.
Typewriter-paper support. A. J. Willey and F. H. Vaughn. 1,585,581; May 18.
Typewriters, Manifolding platen for. H. M. Armistead. 1,585,009; May 18.
Typewriting and calculating machine. T. E. Buschmann and C. E. A. Claus. 1,585,530; May 18.
Typewriting machine. C. B. Corcoran. 1,584,735; May 18.
Typewriting machine. J. S. Hexter. 1,584,744; May 18.
Typewriting machines, Manifolding mechanism for. M. O. Anthony. 1,585,520; May 18.
Umbrella carrier. C. Katz. 1,585,551; May 18.
Vacuum cleaner. F. W. Finkhousen. 1,584,985; May 18.
Valve, Pressure-control. B. A. Linderman. 1,585,038; May 18.
Valve, Puppet. P. W. Brenner. 1,584,975; May 18.
Valve receptacle, Gas-. P. C. Cunningham. 1,585,084; May 18.
Valve, Relief. F. C. Fantz. 1,584,760; May 18.
Valve, Rotary. W. B. Milner. 1,585,163; May 18.
Valve structure, Automatic. J. H. Fisher. 1,585,479; May 18.
Vehicle, Air-propelled. G. L. Craddock. 1,585,281; May 18.
Vehicle cleaner. J. Brandstetter. 1,584,725; May 18.
Vehicle construction and body suspension. B. F. Seymour. 1,585121; May 18.
Vehicle wheel, Composite. H. N. Atwood. 1,585,324; May 18.
Vehicle wheel drive construction. L. Simeonoff. 1,584,816; May 18.
Vehicles, Combined elevator and turntable therefor. A. C. Menges. 1,585,596; May 18.
Vehicles, Direction indicator for. D. M. Susi. 1,585,271; May 18.
Vehicles from a main line over a group of lines, Apparatus for distributing railway. J. Feuerlein. 1,585,337; May 18.
Vehicles, Load-distributing device for endless-track. A. Kégresse. 1,585,100; May 18.
Vehicles, Spring supporting and attaching means for. F. W. Burger and B. Stockfleth. 1,584,977; May 18.
Vehicles, Suspension of motor road. A. A. Holle. 1,585,097; May 18.
Vehicles, Towing line for. G. Summers and J. F. Miner. 1,585,435; May 18.
Velocipede. G. A. Moebs. 1,585,164; May 18.
Vending machine. Information-. M. L. and R. Gilbert. 1,585,342; May 18.
Vending machine, Pencil-. J. W. Whipple. 1,585,179; May 18.
Ventilator: *See*—
Car ventilator. Window ventilator.
Ventilator. N. T. Albright. 1,585,323; May 18.
Vessels under way, Device for submarine sounding from. F. P. Magoun. 1,584,880; May 18.
Volume-regulator gauge. L. R. Huff. 1,584,859–60; May 18.
Wafers and the like, Baking machine for. R. G. Tugendhat. 1,584,825; May 18.
Washer: *See*—
Bottle washer. Bottle and test-tube washer.
Washing machine. E. L. Hurd. 1,584,770; May 18.
Washing machine. A. H. Peters. 1,584,890; May 18.
Washing machine. J. H. Siemann. 1,585,565; May 18.
Water-elevating apparatus. T. E. Crockett. 1,585,534; May 18.
Water gas, Apparatus for manufacturing carbureted. G. W. Smith and F. L. Weisser. 1,585,429; May 18.
Water grate. H. R. Welsh. 1,585,449; May 18.
Water heaters, Safety valve for. L. D. Lovekin. 1,585,253; May 18.
Water-heating and steam-generating boiler. A. W. Bennis. 1,585,528; May 18.
Water-impounding system. H. B. Myers. 1,585,409; May 18.
Water meter for irrigation heads. W. D. McFadden. 1,585,255; May 18.
Water-tube boiler with superheater. B. Broido. 1,585,230; May 18.
Watering system. E. V. Blankenship. 1,585,182; May 18.
Wave-length transmitter, Short-. W. H. Hoffman. 1,585,244; May 18.
Wear-compensating bolt. G. C. Monckmeier. 1,585,309; May 18.
Weight indicator. J. W. MacClatchie. 1,584,958; May 18.
Well. A. T. Beazley and N. O. Watson. 1,584,969; May 18.
Well fishing tool. W. J. Flury and L. P. Brandel. 1,585,481; May 18.
Welting and making the same. P. L. Royal. 1,585,513; May 18.
Wheel: *See*—
Automobile wheel. Vehicle wheel.
Toy wheel.
Wheel. F. L. Main. 1,585,401; May 18.
Wheels, Extractor for vehicle. J. Dirschauer. 1,584,741; May 18.
Wheels or the like, Holding and centering grinding and polishing. S. M. Blanch. 1,584,835; May 18.
Winch. T. C. Smith, A. E. Freeman, and G. D. Simonds. 1,584,819; May 18.
Window box. M. J. McArthur. 1,585,592; May 18.
Window-cleaning device. E. B. Hoff. 1,585,349; May 18.
Window sash, Hanger element for pivotal. C. Berger. 1,584,970; May 18.
Window structure. W. T. Rook. 1,584,809; May 18.
Window ventilator. M. F. Clay. 1,584,847; May 18.
Windshield. L. M. Wragg. 1,584,752; May 18.
Windshield cleaner. H. G. Sparks. 1,584,821; May 18.
Windshield cleaner. S. Vernet. 1,585,446; May 18.
Windshields, Side wing for. J. M. Crawford. 1,585,376; May 18.
Wire glass, Making corrugated. W. Cox and A. Shuman. 1,585,807; May 18.
Wire-mesh making, Reed for. P. Keller. 1,585,153; May 18.
Work-holding clamp. A. S. Hainsworth. 1,585,490; May 18.
Wrap, Infant's. C. Dern. 1,584,853; May 18.
Wreath holder. H. P. H. Jones. 1,585,547; May 18.
Wrench: *See*—
Flexible wrench.
Wrench. A. E. Carlberg. Re16,354; May 18.
Wringer: *See*—
Clothes wringer.
Yarn. J. A. Heany. 1,585,612; May 18.
Yarn and apparatus and process for making. J. A. Heany. 1,585,614; May 18.
Yarn and making same. J. A. Heany. 1,585,616; May 18.
Yarn and making same. J. A. Heany. 1,585,618; May 18.
Yarn and making same. J. A. Heany. 1,585,620; May 18.
Yarn and making same. J. A. Heany. 1,585,622; May 18.
Yarn and making same, Coreless. J. A. Heany. 1,585,617; May 18.
Yarn and making the same. J. A. Heany. 1,585,619; May 18.
Yarn and making the same. W. Nanfeldt. 1,585,626; May 18.
Yarn and mechanism for and making the same. J. A. Heany. 1,585,613; May 18.
Yarn and process and apparatus for making same, Friction. W. Nanfeldt. 1,585,625; May 18.
Yarn, Manufacturing. J. A. Heany. 1,585,611; May 18.
Yarn, Process and apparatus for making. J. A. Heany. 1,585,615; May 18.
Yarn, Reenforced. J. A. Heany. 1,585,621; May 18.

CLASSIFICATION OF PATENTS

ISSUED MAY 18, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

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81: 1,584,896
87: 1,585,491
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams & Sons Grocer Company, Chillicothe, Mo. Canned vegetables, fruits, and fish. 213,344; May 25; Serial No. 169,268; published Mar. 9, 1926.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 213,312; May 25; Serial No. 222,538; published Mar. 16, 1926.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 213,313; May 25; Serial No. 222,548; published Mar. 16, 1926.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 213,314; May 25; Serial No. 222,554; published Mar. 16, 1926.

Aktieselskabet Ivistendabl & Werring Limited, Christiania, Norway. Slid, bristling, and herrings. 213,381; May 25; Serial No. 209,016; published Mar. 16, 1926.

Albers, Noah, Dime Box, Tex. Hair tonic. 213,469; May 25.

Alden Products Company, Inc., Orange, N. J. Mayonnaise, catchup, chili sauce, olives, etc. 213,450; May 25.

American Auto Supply Co., Memphis, Tenn. Tire patches. 213,328; May 28; Serial No. 225,755; published Mar. 16, 1926.

American Biscuit and Manufacturing Co., Chicago, Ill., to National Biscuit Company, New York, N. Y., successor. Bakers' product and confectionery and medicated candy. 28,777; renewed Aug. 18, 1926.

American Cigar Company. (See Vallens, Eugene, & Co., assignor.)

American Licorice Company, Chicago, Ill., and San Francisco, Calif. Candy. 213,254; May 25; Serial No. 223,831; published Mar. 9, 1926.

American Oyster Co., Providence, R. I. Canned soups. 213,377; May 25; Serial No. 226,461; published Mar. 16, 1926.

American Printing Company, Fall River, Mass. Cotton piece goods. 213,478; May 25.

American Sheet and Tin Plate Company, Pittsburgh, Pa. Galvanized-steel sheets. 213,269; May 25; Serial No. 220,168; published Nov. 24, 1925.

American Steel and Wire Company of New Jersey, The. (See Consolidated Barb Wire Co., assignor.)

Anderson, Herbert K., doing business as H. K. Anderson Bakery, Lancaster, Pa. Pretzels. 213,449; May 25.

Andrews, Elizabeth K., Chattanooga, Tenn. Gowns, women's and childrens' hats, lingerie, shawls, and scarfs. 213,430; May 25; Serial No. 218,095; published Mar. 16, 1926.

Arabol M'f'g Co., The, New York, N. Y. Liquid and dry adhesives having a cereal base. 213,215; May 25; Serial No. 214,389; published Mar. 9, 1926.

Argiomaco, Inc., New York, N. Y. Lamp shades made of fabric or sheet materials. 213,184; May 25; Serial No. 224,225; published Mar. 2, 1926.

Arlington Refrigerator Co., Inc., Arlington, Vt. Refrigerators. 213,226; May 25; Serial No. 224,444; published Mar. 9, 1926.

Audition Corporation, The, Hoboken, N. J. Electromechanical device for producing a sensitizing sound wave for the correction of defective hearing. 213,308; May 25; Serial No. 225,251; published Mar. 9, 1926.

B B Milk Company, Red Wing, Minn. Milk, buttermilk, and cream. 213,372; May 25; Serial No. 223,112; published Mar. 9, 1926.

Bakelite Corporation, New York, N. Y. Candlesticks, lamp stands, bases, etc. 213,219; May 25; Serial No. 222,429; published Mar. 2, 1926.

Bakelite Corporation, New York, N. Y. Strap hangers, propellers, windshields, and gear-shift knobs. 213,342; May 25; Serial No. 216,820; published Jan. 12, 1926.

Bakelite Corporation, New York, N. Y. Type plates for printing on cloth, paper, etc., knife and tool handles, typewriter parts, etc. 213,367; May 25; Serial No. 222,427; published Mar. 16, 1926.

Baker, H. W., Linen Company, New York, N. Y. Sheets and pillowcases. 213,473; May 25.

Baker, William H., Winchester, Va., to W. H. Baker, Inc., Red Hook, N. Y., successor. Chocolate, cocoa, and sweet chocolate. 51,012; renewed Apr. 3, 1926.

Bakich, A. P., Watsonville, Calif. Fresh apples and pears. 213,307; May 25; Serial No. 220,989; published Mar. 16, 1926.

Battaglino, Joseph, & Sons, Catskill, N. Y. Ginger ale and syrup for making the same. 213,306; May 25; Serial No. 218,894; published Mar. 16, 1926.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 213,345; May 25; Serial No. 184,061; published Mar. 16, 1926.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 213,347; May 25; Serial No. 184,062; published Mar. 16, 1926.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 213,421; May 25; Serial No. 221,347; published Mar. 16, 1926.

Beardsley's, J. W., Sons, New York, N. Y., to J. W. Beardsley's Sons, Newark, N. J. Salted and boneless fish. 28,690; renewed July 28, 1926.

Beck Hazzard, Inc., New York, N. Y. Boots, shoes, and slippers. 213,346; May 25; Serial No. 202,921; published Dec. 16, 1924.

Besancenez & Dale, Clayton, Mo. Seat for barber chairs. 213,485; May 25.

Best & Co., Inc., New York, N. Y. Fur skins, hides, and pelts. 213,256; May 25; Serial No. 223,275; published Mar. 2, 1926.

Betsyknit Company, The. (See Norwich Knitting Co.)

Betz, Frank S., Company, Hammond, Ind. Therapeutic lamps. 213,403; May 25; Serial No. 225,160; published Mar. 9, 1926.

Billings Clapp Company, to Billings Clapp & Company, Inc., successor, Boston, Mass. Alterative medicine. 49,118; renewed Jan. 23, 1926.

Birkmeyer, John F., & Sons, Baltimore, Md. Candy attached to sticks. 28,717; renewed Aug. 4, 1926.

Bissell Carpet Sweeper Company, Grand Rapids, Mich., and New York, N. Y., to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. 28,616; renewed July 14, 1926.

Blackwood Coal and Coke Company, Blackwood, Va., and Spartanburg, S. C. Coal. 213,261; May 25; Serial No. 222,780; published Mar. 2, 1926.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 213,202; May 25; Serial No. 225,548; published Mar. 9, 1926.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabric in the piece. 213,422–3; May 25; Serial Nos. 220,755–6; published Mar. 16, 1926.

Bonis, S. B., Newark, N. J. Rubber water bottles, ice caps, ice bags, etc. 213,408; May 25; Serial No. 223,500; published Mar. 9, 1926.

Boston Rubber Shoe Company, Boston, to Boston Rubber Shoe Company, Malden and Melrose, Mass. Rubber shoes. 28,076; renewed Apr. 7, 1926.

Bradham, Caleb D., New Bern, N. C., assignor, by mesne assignments, to Craven Holding Corporation, Norfolk, Va. Nonalcoholic tonic beverages. 51,959; renewed May 1, 1926.

Bradham, Caleb D., New Bern, N. C., assignor, by mesne assignments, to Pepsi-Cola Corporation, Richmond, Va. Tonic beverage. 55,190; renewed Aug. 7, 1926.

Breslin Bros. Co., Gloucester, N. J. Textile rugs. 213,190; May 25; Serial No. 224,742; published Mar. 9, 1926.

Broenniman Company, Inc., New York, N. Y. Durum semolina used for making macaroni and as a base for stock feed. 213,436; May 25; Serial No. 225,765; published Mar. 9, 1926.

Brown Instrument Company, The, Philadelphia, Pa. Thermocouple incasing tubes. 213,318; May 25; Serial No. 223,364; published Mar. 9, 1926.

Brown & Sharpe Mfg. Co., Providence, R. I. Hair clippers. 50,806; renewed Apr. 3, 1926.

Burnett's Inc., Newark, N. J. Bird food. 213,437; May 25; Serial No. 225,768; published Mar. 9, 1926.

Butchart, Cuthbert S., Rye, N. Y. Golf clubs. 213,183; May 25; Serial No. 223,999; published Mar. 9, 1926.

Cabot, Samuel, Inc., Boston, Mass. Coloring and finishing waterproof materials in the nature of paints or stains. 213,198; May 25; Serial No. 225,109; published Feb. 23, 1926.

Carney, Phil S., doing business as Veri-Best Beverage Company, Brackenridge, Pa. Nonalcoholic, maltless beverages. 213,471; May 25.

Carolina Baking Company, Charlotte, N. C. Cake. 213,360; May 25; Serial No. 218,792; published Mar. 9, 1926.

Carolina Baking Company, Charlotte, N. C. Bread. 213,361; May 25; Serial No. 218,793; published Mar. 9, 1926.

Cement Block Machinery Company, Newark, N. J. Machines for making cement blocks, concrete blocks, and tile blocks. 213,331; May 25; Serial No. 224,000; published Mar. 16, 1926.

Chamberlin, Harold S., doing business as Harold S. Chamberlin Company, Long Beach, Calif. Tea, coffee, cocoa, etc. 213,410; May 25; Serial No. 224,955; published Mar. 9, 1926.

Champion Mills. (See Gudebrod Bros. Silk Co.)

Chapin, Henry S., Brooklyn, N. Y. Periodical magazines and magazine articles usually published monthly or quarterly. 213,287; May 25; Serial No. 225,400; published Mar. 9, 1926.

Chapman Slate Company, The Chapman and, Philadelphia, to The Chapman Slate Company, Bethlehem, Pa. Roofing slates, sawed and plain, and rubber-finished slates and slate slabs. 28,802; renewed Aug. 18, 1926.

Chase, William, & Co., Greenville, Mich. Potatoes in their natural state. 213,235; May 25; Serial No. 225,551; published Mar. 16, 1926.

Chemical Foundation, Incorporated, The. (See Chemische Fabrik auf Actien vormals E. Schering, assignor.)

Chemical Foundation, Incorporated, The. (See Georgi, G., Firm of, assignor.)
Chemical Foundation, Incorporated, The. (See Homoeopathische Central-Apotheke, assignor.)
Chemical Foundation, Incorporated, The. (See Knoll & Co., assignor.)
Chemische Fabrik auf Actien vormals E. Schering, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Chemical preparation. 28,431; renewed June 23, 1926.
Chemische Fabric auf Actien vormals E. Schering, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Anæsthetics. 28,438; renewed June 23, 1926.
Chilton Pen Company, Boston, Mass. Fountain pens and pencils. 213,480; May 25.
Citron & Greenfield, San Francisco, Calif. Projecting machines for still and motion pictures and reading matter. 213,225; May 25; Serial No. 224,321; published Mar. 9, 1926.
Clark, Elizabeth E., Paterson, N. J. Food for infants and invalids. 213,474; May 25.
Cluett, Peabody & Co., Inc. (See Earl & Wilson, assignor.)
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 213,440; May 25; Serial No. 226,229; published Mar. 16, 1926.
Coles & Company, New York, N. Y. Berry boxes, fruit boxes, and vegetable boxes of wood. 213,224; May 25; Serial No. 224,237; published Mar. 16, 1926.
Collegian Underwear Co., New York, N. Y. Underwear for men and boys. 213,429; May 25; Serial No. 218,292; published Mar. 16, 1926.
Colvin, Joshua B., Baltimore, Md. Overall union suits and overalls. 213,195; May 25; Serial No. 224,903 published Mar. 2, 1926.
Commercial Shirt Corp., The, New York, N. Y. Outer dress, negligee, sport, and work shirts. 213,418; May 25; Serial No. 222,730; published Mar. 16, 1926.
Consolidated Barb Wire Co., Lawrence, Kans., assignor to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Barbed and plain wire, wire nails, staples, and bale ties. 28,254; renewed May 12, 1926.
Continental Optical Corporation, New York, N. Y. Ophthalmic and other optical lenses and lens blanks, eyeglass frames, etc. 213,231; May 25; Serial No. 224,957; published Mar. 9, 1926.
Continental Optical Corporation, New York, N. Y. Ophthalmic and other optical lenses and lens blanks, eyeglass frames, etc. 213,232; May 25; Serial No. 225,175; published Mar. 9, 1926.
Converse Rubber Shoe Co., Malden, Mass. Overshoes and galoshes. 213,286; May 25; Serial No. 225,350; published Mar. 2, 1926.
Corona Citrus Association, Corona, Calif. Oranges, lemons, and grapefruit. 213,241; May 25; Serial No. 217,761; published Mar. 9, 1926.
Craven Holding Corporation. (See Bradham, Caleb D., assignor.)
Creamery Package Mfg. Company, The, Chicago, Ill. Creamery machinery comprising combined churns and butterworkers. 213,359; May 25; Serial No. 218,900; published Mar. 16, 1926.
Crown Cycle Company, to Great Western Manufacturing Company, La Porte, Ind., successors. Bicycles. 27,411; renewed Dec. 3, 1925.

D. & E. Metals Company, Grandview Park and York, Pa. Brass, bronze, and aluminum castings, bearing metals, and alloys. 213,394; May 25; Serial No. 225,650; published Mar. 9, 1926.
Dahl Brothers, Incorporated, Syracuse, N. Y. Imitation-vanilla compound and fruit sirup for food-flavoring purposes. 213,379; May 25; Serial No. 207,344; published Mar. 9, 1926.
Davega, Inc., New York, N. Y. Golf clubs, golf balls. 213,452; May 25.
Dayton Paper Novelty Co., The, Dayton, Ohio. Wrapping paper. 55,307; renewed Aug. 14, 1926.
Delacour & Lewis Corporation, New York, N. Y. Tobacco pipes. 213,385; May 25; Serial No. 226,049; published Mar. 9, 1926.
Deltox Rug Company, Oshkosh, Wis. Grass rugs. 213,445; May 25.
De Luxe Novelty Co., New York, N. Y. Garters. 213,303; May 25; Serial No. 224,747; published Mar. 2, 1926.
Deming Company, The, Salem, Ohio. Spraying nozzles. 28,756; renewed Aug. 11, 1926.
Dempster Mill Manufacturing Company, Beatrice, Nebr. Windmills and repair and replacements parts therefor. 213,320; May 25; Serial No. 225,006; published Mar. 16, 1926.
Denney & Co., Chicago, Ill. Fresh fruits and vegetables. 213,251; May 25; Serial No. 214,404; published Mar. 9, 1926.
Denney & Co., Chicago, Ill. Fresh fruits and vegetables. 213,252; May 25; Serial No. 214,402; published Mar. 9, 1926.
Denver, Alfalfa Milling & Products Co., The, Lamar, Colo. Alfalfa meal. 213,321; May 25; Serial No. 225,222; published Mar. 9, 1926.
Detroit Oak Belting Company, Detroit, Mich. Leather belting. 213,206; May 25; Serial No. 226,341; published Mar. 9, 1926.
Dexter Rubber Manufacturing Company, Goshen, N. Y. Rim flaps for tires and tire patches. 213,352; May 25; Serial No. 225,007; published Feb. 23, 1926.
Dexter Rubber Manufacturing Company, Goshen, N. Y. Rim flaps for tires and tire patches. 213,355; May 25; Serial No. 225,008; published Feb. 23, 1926.
Dickinson, Albert, Company, The, Chicago, Ill. Grass seed. 28,240; renewed May 12, 1926.
Dixie Underwear Co., Inc., Montgomery, Ala. Underwear, hosiery, sweaters, and bathing suits. 213,357; May 25; Serial No. 221,099; published Mar. 16, 1926.
Dou-O-Lac Co. Inc., The, Rochester, N. Y. Varnishlike liquid for cedarizing wood. 213,409; May 25; Serial No. 224,551; published Mar. 16, 1926.
Dryden Rubber Company, Chicago, Ill. Hoof pads. 213,447; May 25.
Duplan Silk Corporation, New York, N. Y. Yarns. 213,182; May 25; Serial No. 226,346; published Mar. 9, 1926.
Durand-McNeil-Horner Co., Chicago, Ill. Canned fruits, vegetables, and fish, fruit preserves, peanut butter, etc. 213,283; May 25; Serial No. 191,818; published Mar. 9, 1926.
Durwyllan Co. Inc., Patterson, N. J. Brake and transmission linings. 213,228; May 25; Serial No. 224,602; published Mar. 2, 1926.
E. R. V. Corporation, The, Detroit, Mich. Electrical therapeutic apparatus. 213,412; May 25; Serial No. 221,245; published Mar. 9, 1926.
Earl & Wilson, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 28,890; renewed Sept. 29, 1926.
Eastern Hair Net Trading Co., New York, N. Y. Educational spelling game device. 213,270; May 25; Serial No. 219,752; published Mar. 9, 1926.
Edme Limited. (See English Diastasic Malt Extract Company.)
Egon Braun Aktiengesellschaft, Hamburg, Germany. Brandies, liquors, punches, etc. 213,222; May 25; Serial No. 223,693; published Mar. 16, 1926.
Eisenstadt, M., Jewelry Company, to Eisenstadt Manufacturing Company, St. Louis, Mo., successor. Jewelry, silverware, and watchcases. 28,469; renewed June 30, 1926.
Electric Emery Wheel Company, The, Newark, N. J. Emery and corundum wheels. 28,973; renewed Oct. 6, 1926.
Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made from wool, worsted, cotton, or mixtures thereof. 213,243–4; May 25; Serial Nos. 216,893–4; published Mar. 9, 1926.
Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made from wool, worsted, cottor, or mixtures thereof. 213,250; May 25; Serial No. 214,788; published Mar. 9, 1926.
Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made from wool, worsted, cotton, or mixtures thereof. 213,271; May 25; Serial No. 216,895; published Mar. 9, 1926.
Ellison, John B., & Sons, Philadelphia, Pa. Fabrics made from wool, worsted, cotton, or mixtures thereof. 213,272; May 25; Serial No. 216,968; published Mar. 9, 1926.
Ellison, John B., & Sons, Philadelphia, Pa. Fabric made from wool, worsted, cotton, or mixtures thereof. 213,275–6; May 25; Serial Nos. 216,890–1; published Mar. 9, 1926.
Embossing Company, The, Albany, N. Y. Modeling set for children. 213,212; May 25; Serial No. 189,888; published Mar. 16, 1926.
English Diastasic Malt Extract Company, Limited, The, Mistley, to Edme Limited, London, England, successor. Malt extracts. 28,711; renewed Aug. 4, 1926.
Erie Malleable Iron Company, Erie, Pa. Malleable-iron castings. 213,384; May 25; Serial No. 226,482; published Mar. 9, 1926.
Eschmann, Frederick W. R., assignor to The Palisade Manufacturing Company, Inc., Yonkers, N. Y. Antiseptic and germicidal preparation. 28,047; renewed Mar. 31, 1926.
Excelsior Tobacco Co., St. Louis, Mo., assignor to Excelsior Tobacco Co. Smoking and chewing tobacco. 213,221; May 25; Serial No. 221,545; published Dec. 22, 1925.

Feldstein, Abraham D., New York, N. Y. Men's and boys' caps. 213,289; May 25; Serial No. 225,508; published Mar. 9, 1926.
Feldstein, Abraham D., New York, N. Y. Men's and boys' caps. 213,290; May 25; Serial No. 225,509; published Mar. 2, 1926.
Fennville Canning Co., Fennville, Mich. Canned fruits, vegetables, and berries. 213,414; May 25; Serial No. 221,247; published Mar. 9, 1926.
Fenton, John, Columbus, Ohio. Leather boots. 213,294; May 25; Serial No. 225,603; published Mar. 2, 1926.
Firth Sterling Steel Company, Pittsburgh, Pa., to Firth-Sterling Steel Company, McKeesport, Pa. Tool steel. 54,871; renewed July 31, 1926.
Fisher Bros. Paper Co., Fort Wayne, Ind. Wrapping paper. 213,481; May 25.

Fisk Rubber Company, The, Chicopee Falls, Mass. Repair patches for pneumatic tires. 213,343; May 25; Serial No. 217,398; published Mar. 9, 1926.
Forbes, Daniel, Company, to Daniel Forbes Co., Chicago, Ill. Leather blanks, soles, and taps. 49,792; Renewed Feb. 20, 1926.
Forbush Shoe Company, The, North Grafton, Mass. Leather shoes. 213,291; May 25; Serial No. 225,514; published Mar. 2, 1926.
Ford, J. B., Company, The, Wyandotte, Mich. Paint and enamel removed. 213,279; May 25; Serial No. 215,976; published Mar. 2, 1926.
Forst, Jacob, Packing Company, Inc., Kingston, N. Y. Smoked pork tenderloins. 213,201; May 25; Serial No. 214,543; published Mar. 16, 1926.
Franklin Simon & Co., Inc., New York, N. Y. Perfumery atomizers. 213,464; May 25.
Franklin Simon & Co. Inc., New York, N. Y. Perfumes and hygienic products. 213,467; May 25.
Fuller, W. P., & Co., San Francisco, Calif. Ready-mixed paints. 213,475; May 25.

G. & E. Trading Corp., New York, N. Y. Malt extracts and malt and hop extracts. 213,239; May 25; Serial No. 219,391; published Mar. 16, 1926.
Garland Hosiery Mills. (See Sarfert, Chas.)
Geisel, Walter H., Washington, D. C. Hemstitched and plaited goods. 213,487; May 25.
Generaldirektion der Oesterreichischen Tabakregie, Vienna, Austria, Chewing tobacco, smoking tobacco, snuff, cigars, and cigarettes. 213,341; May 25; Serial No. 214,355; published Mar. 16, 1926.
General Seafoods Corporation, Gloucester, Mass. Canned, smoked, salted, and fresh sea foods. 213,415; May 25; Serial No. 225,117; published Mar. 9, 1926.
Georgi, G., The Firm of, Rudebul, near Dresden, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Pharmaceutical preparations. 28,501; renewed June 30, 1926.
Glore & Rick, San Diego, Calif. Fresh vegetables and fresh grapes. 213,204; May 25; Serial No. 226,353; published Mar. 16, 1926.
Goldburg, Edward, Eagle Pass, Tex. Shoes, men's hats, and men's and boys' dress shirts. 213,431; May 31; Serial No. 217,147; published Feb. 23, 1926.
Goldman, Sigmund L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup for food purposes. 213,247; May 25; Serial No. 205,409; published Mar. 9, 1926.
Graf, Eugene, Bozeman, Mont. Bread. 213,454; May 25.
Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamel. 213,451; May 25.
Great Western Manufacturing Company. (See Crown Cycle Company.)
Grey Iron Casting Company, Mount Joy, Pa. Toy ranges and toy cooking utensils. 213,214; May 25; Serial No. 213,374; published Mar. 9, 1926.
Griffith Laboratories, Inc., The, Chicago, Ill. Salt. 213,483; May 25.
Grunhut & Leich, New York, N. Y. Shirts, windbreakers, and lumber jacks. 213,476; May 25.
Gudebrod Bros. Silk Co., doing business as Champion Mills, New York, N. Y. Cotton thread, knitting wool, and artificial threads for embroidery. 213,268; May 25; Serial No. 221,177; published Mar. 9, 1926.
Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, to Gulf Refining Company, Pittsburgh, Pa. Petroleum lubricating oils. 52,592; renewed May 15, 1926.

Haffenreffer & Co. (See New England Brewing Co.)
Halperin, Nathan, doing business as Halperin Mills, Brooklyn, N. Y. Artificial-silk knitted fabric. 213,349; May 25; Serial No. 208,703; published Mar. 16, 1926.
Halperin, Nathan, doing business as Halperin Mills, Brooklyn, N. Y. Artificial-silk knitted fabric. 213,434; May 25; Serial No. 208,705; published Mar. 16, 1926.
Handipak Company, Inc., New York, N. Y. Cigarette boxes or cartons. 213,216; May 25. Serial No. 225,920; published Mar. 16, 1926.
Harris, Jonathan, & Sons Ltd., Cockermouth, England. Threads of all kinds. 27,727; renewed Feb. 4, 1926.
Harris, Thomas, New York, N. Y. Scrapple. 52,978; renewed May 22, 1926.
Hart & Cooley Company, Incorporated, The, New Britain, Conn. Structural toys. 213,193; May 25; Serial No. 224,818; published Mar. 9, 1926.
Haskelite Manufacturing Corporation, Chicago, Ill. Metal-sheathed portable cabinets or closets for housing clothing. 213,376; May 25; Serial No. 226,356; published Mar. 9, 1926.
Heinrich, Mary E., New York, N. Y. Women's hats. 213,417; May 25; Serial No. 223,579; published Mar. 9, 1926.
Heistrom, Hugo, doing business as The Heistrom Candy Co., Chicago, Ill. Candy. 213,240; May 25; Serial No. 218,966; published Mar. 16, 1926.
Hercules Knitting Co., Inc., New York, N. Y. Bathing suits. 213,329; May 25; Serial No. 225,424; published Mar. 16, 1926.
Heyl, Cornelius, assignor to Cornelius Heyl Aktiengesellschaft, Worms, Germany. Patent leather, calfskins, and waxed calfskins. 48,818; renewed Jan. 16, 1926.
Hill, Dillon R., Medford, Oreg. Fresh apples and fresh pears. 213,362; May 25; Serial No. 216,907; published Feb. 23, 1926.
Hoffman, James L., assignor to J. L. Hoffman Company, Allentown, Pa. Remedies. 28,065; renewed Mar. 31, 1926.
Holden & Brooks, Limited, Manchester, England. Steam traps. 27,875; renewed Feb. 25, 1926.
Homoeopathische Central-Apotheke, Leipzig, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Homeopathic medicines, dietetic preparations, and books. 28,274; renewed May 19, 1926.
Hood Finance Corporation, The, Goldsboro, N. C. Loan system sold to the trade as such, comprising pass books, letterheads, note forms, etc. 213,435; May 25; Serial No. 205,274; published Feb. 23, 1926.
Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Perfumery and toilet articles. 28,495; renewed June 30, 1926.
Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Cologne and perfumery. 28,551; renewed July 7, 1926.
Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Hydraulic equipment. 213,459; May 25.
Hyman & Goldston, Inc., New York, N. Y. Dresses and coats. 213,273; May 25; Serial No. 218,125; published Jan. 26, 1926.

Inland Fire Brick Co., The, Cleveland, Ohio. Cement prepared in powdered form. 213,188; May 25; Serial No. 215,576; published Feb. 16, 1926.
International Buyer's Service Inc., New York, N. Y. Tubular metallic cases for receiving rolled cards. 213,209; May 25; Serial No. 226,004; published Mar. 16, 1926.
International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 213,295; May 25; Serial No. 225,609; published Mar. 2, 1926.
International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 213,298; May 25; Serial No. 224,508; published Mar. 9, 1926.
Ivy Corset Company, Worcester, Mass. Hosiery. 213,302; May 25; Serial No. 224,663; published Mar. 16, 1926.

Jackson Corset Company, Jackson, Mich. Corsets, brassières, etc. 213,299–300; May 25; Serial Nos. 224,509–10; published Mar. 2, 1926.
Janov, I., and Co., Hazleton, Pa. Shirts, pyjamas, and nightgowns. 213,427; May 25; Serial No. 218,415; published Mar. 16, 1926.
Janov, I., & Company, Hazleton, Pa. Shirts. 213,439; May 25; Serial No. 226,104; published Mar. 16, 1926.
Jentzsch, Wilhelm, Dresden, Germany. Effervescing lemonade bonbons. 213,205; May 25; Serial No. 224,190; published Mar. 16, 1926.
Johnson & Johnson, New Brunswick, N. J. Bandages. 213,391; May 25; Serial No. 225,882; published Mar. 9, 1926.
Jung, A. A., San Antonio, Tex. Malt sirups for food purposes. 213,413; May 25; Serial No. 221,553; published Mar. 9, 1926.

Kaminsky, Paul, & Co., New York, N. Y. Suits, topcoats, and overcoats. 213,490; May 25.
Kempton, Don, Figarden, Calif. Dried and canned figs, fig preserves, pickled figs, etc. 213,274; May 25; Serial No. 218,817; published Mar. 9, 1926.
Kittler, Joseph R., Chicago, Ill. Chinaware. 213,255; May 25; Serial No. 223,528; published Mar. 9, 1926.
Klein, Julius, doing business as J. Klein Company, Philadelphia, Pa. Malt extracts for food purposes. 213,393; May 25; Serial No. 225,665; published Mar. 9, 1926.
Knoll & Co., Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Medical compound. 28,348; renewed June 2, 1926.
Knowlton, Elias W., Guthrie, Okla., assignor, by mesne assignments, to Sterling Products (Incorporated), Wheeling, W. Va. Scalp tonics. 28,683; renewed July 28, 1926.
Kosloff, I., and Sons, New York, N. Y. Candy. 213,223; May 25; Serial No. 224,098; published Mar. 16, 1926.
Krouse, Augustus L., Reading, Pa. Pretzels. 213,373; May 25; Serial No. 222,466; published Mar. 9, 1926.
Kupferman, Chas. A., Co., doing business as Undasilks Company, New York, N. Y. Ladies' textile-fabric underwear. 213,322; May 25; Serial No. 224,872; published Mar. 16, 1926.
Kuppenheimer, B., & Co., Inc., Chicago, Ill. Coats, vests, trousers, and overcoats. 213,465; May 25.

Lacher, Samuel, New York, N. Y. Ladies' hatboxes, suitcases, and traveling bags. 213,234; May 25; Serial No. 225,229; published Mar. 9, 1926.
La Industrial Paraguaya S. A., Buenos Aires, Argentina. Yerba mate. 213,265; May 25; Serial No. 221,748; published Mar. 9, 1926.
Larabee Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 213,424; May 25; Serial No. 220,544; published Mar. 9, 1926.
Larkin, Peter C., Toronto, Canada, assignor to Salada Tea Company, Boston, Mass. Tea. 28,962; renewed Oct. 6, 1926.
Lebers, Ernest, New York, N. Y. Eggs, butter, and cheese. 213,374; May 25; Serial No. 199,633; published Aug. 19, 1924.

Lee, H. D., Flour Mills Company, The, Salina, Kans. Wheat flour. 213,326–7; May 25; Serial Nos. 225,720–1; published Mar. 9, 1926.

Libby, McNeill & Libby, Chicago, Ill. Canned comminuted meats, sandwich spread, and comminuted form of food products prepared from meats flavored with vegetables and spices. 213,217; May 25; Serial No. 225,612; published Mar. 16, 1926.

Liebig Extract Company, assignor, by mesne assignments, to Liebig Products Co. Inc., New York, N. Y. Beef extracts and beef, iron, and wine. 52,782; renewed May 15, 1926.

Lion Match Co., Inc., New York, N. Y. Matches. 213,179; May 25; Serial No. 225,615; published Mar. 9, 1926.

Lion Match Co., Inc., New York, N. Y. Matches. 213,203; May 25; Serial No. 225,613; published Mar. 9, 1926.

Livadary, Paul J., Los Angeles, Calif. Coffee and candy. 213,310; May 25; Serial No. 221,324; published Mar. 9, 1926.

Ljungs Choclad- & Cacao- Fabrik, Malmo, Sweden. Chocolate and cocoa. 213,348; May 25; Serial No. 209,929; published June 30, 1925.

Lorna Manufacturing Co., Inc., New York, N. Y. Perfume atomizers. 213,401; May 25; Serial No. 225,124; published Mar. 9, 1926.

Lyon Bros. Millinery Company, Kansas City, Mo. Trimmed hats for use of women and children. 213,350; May 28; Serial No. 212,689; published Mar. 9, 1926.

Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp glasses and globes. 213,257–8; May 25; Serial Nos. 223,130–1; published Mar. 9, 1926.

Macy, R. H., & Co., Inc., New York, N. Y. Boys' suits, overcoats, bath robes, and lounging robes. 213,282; May 25; Serial No. 225,565; published Mar. 16, 1926.

Maljan Fruit Company, Los Angeles, Calif. Fresh grapes. 213,262; May 25; Serial No. 222,623; published Mar. 9, 1926.

Marshall Field & Company, Chicago, Ill. Children's nainsook union suits. 213,458; May 25; Serial No. 226,051; published Mar. 16, 1926.

Marshall, William A., Long Beach, Calif. Liquid polish for automobiles, furniture, etc. 213,186; May 25; Serial No. 224,467; published Mar. 9, 1926.

Mason, William P., Norfolk, Va. Liquid composition for cleaning typewriters, multigraphs, etc. 213,466; May 25.

Maynard & Child, New York, N. Y., and Portland, Oreg. Apples. 213,210; May 25; Serial No. 224,522; published Mar. 16, 1926.

Mayor, Henry A., Kansas City, Mo. Hair-color restorer or hair dye. 50,940; renewed Apr. 3, 1926.

McCormack, James A., New York, N. Y. Hairbrushes. 213,211; May 25; Serial No. 224,715; published Mar. 16, 1926.

McMurray, William, and Company, St. Paul, Minn. Candles. 213,248; May 25; Serial No. 201,249; published Mar. 9, 1926.

McNeely, G. H., & Co., assignor to McNeely & Price, Philadelphia, Pa. Glazed kid. 28,734; renewed Aug. 11, 1926.

Meier, Walter R., doing business as Meier Ice Cream Company, Waukesha, Wis. Ice cream and butter. 213,458; May 25.

Melrath, Earle B., doing business as Melrath Supply and Gasket Company, Philadelphia, Pa. Sheet water and oil packing and gaskets made therefrom. 213,324; May 25; Serial No. 225,671; published Mar. 16, 1926.

Melvin, Robert C., San Francisco, Calif. Baby's bib. 213,284; May 25; Serial No. 225,024; published Mar. 16, 1926.

Miller & Goldsmith, New York, N. Y. Fancy goods and novelties. 213,263; May 25; Serial No. 222,390; published Mar. 9, 1926.

Minneman, Edward G., Richmond, Ind. Pie trimmers and crimpers. 213,369; May 25; Serial No. 221,764; published Mar. 16, 1926.

Minnesota Mercantile Co., Stillwater, Minn. Rice, canned fish and oysters, fruit preserves, etc. 213,282; May 25; Serial No. 192,539; published Mar. 9, 1926.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. 213,457; May 25.

Mohns-Frese Commercial Company, The, to Mohns Commercial Company, San Francisco, Calif., successor. Wheat flour. 54,381; renewed June 26, 1926.

Mount Vernon-Woodberry Cotton Duck Company, assignor to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 49,774; renewed Feb. 13, 1926.

Muskoka Wood Mfg. Co., Huntsville, Ontario, Canada. Flooring, particularly birch hardwood flooring. 213,218; May 25; Serial No. 222,991; published Feb. 16, 1926.

Nanello Products, Waco, Tex. Polish and cleaner. 213,196; May 25; Serial No. 224,923; published Mar. 9, 1926.

National Biscuit Company. (See American Biscuit and Manufacturing Co.)

National Milling Company, The, Toledo, Ohio. Wheat flour. 213,325; May 25; Serial No. 225,672; published Mar. 9, 1926.

New England Brewing Co., doing business as Haffenreffer & Co., Boston, Mass. Cereal malt beverage. 213,242; May 25; Serial No. 217,413; published Mar. 9, 1926.

New England Brewing Co., doing business as Haffenreffer & Co., Boston, Mass. Cereal malt beverage. 213,402; May 25; Serial No. 225,131; published Mar. 16, 1926.

New Jersey Brush Company, Bloomfield, N. J. Household brushes and painters' dusters. 213,200; May 25; Serial No. 215,471; published Mar. 16, 1926.

Newman, Leslie B., doing business as Pagoda Furniture Company, San Francisco, Calif. High-grade reed, rattan, and sea-grass chairs, settees, and tables. 213,370; May 25; Serial No. 221,499; published Mar. 16, 1926.

New York & Pennsylvania Clay Products Co., Rochester, N. Y. Blend of clays to mix with molding sand for the purpose of renewing its usefulness. 213,278; May 25; Serial No. 216,631; published Mar. 2, 1926.

Nitrate Agencies Company, New York, N. Y. Fertilizer. 212,406; May 25; Serial No. 222,274; published Mar. 9, 1926.

Noodelman, Morris, doing business as Pioneer Paper Stock Company, Minneapolis, Minn. Wiping cloths and cloth dusters. 213,230; May 25; Serial No. 224,879; published Mar. 16, 1926.

Norwich Knitting Co., doing business as The Betsy-knit Company, Norwich, N. Y. Ladies' undergarments. 213,442; May 25; Serial No. 262,556; published Mar. 16, 1926.

O. K. Tool Company, Inc., The, Shelton, Conn., and New York, N. Y. Boring heads, gear cutters, hollow mills, etc. 213,339; May 25; Serial No. 206,915; published Mar. 9, 1926.

Oak Knitting Company, Syracuse, N. Y. Knitted underwear, sport coats, pyjamas, and nightgowns. 213,246; May 25; Serial No. 207,626; published Mar. 9, 1926.

Oak Knitting Company, Syracuse, N. Y. Knitted pyjamas and knitted nightgowns. 213,380; May 25; Serial No. 207,627; published Mar. 9, 1926.

Ohio Truss Company, Cincinnati, Ohio. Arch supports. 213,407; May 25; Serial No. 210,683; published Mar. 9, 1926.

O'Keefe, Julia A., Randolph, Mass. Salve. 28,941; renewed Oct. 6, 1926.

Orr, J. K., Shoe Company, Atlanta, Ga. Shoes. 213,425; May 25; Serial No. 219,551; published Nov. 3, 1925.

Ottenberg, Joseph, Washington, D. C. Breads, cakes, pies, and rolls. 213,477; May 25.

Owname Renewable Matchbook Co. (See Rosenstein, Sidney.)

Pacific Lime & Plaster Co., San Francisco, Calif. Whitewash preparation. 213,189; May 25; Serial No. 224,672; published Feb. 23, 1926.

Pagoda Furniture Company. (See Newman, Leslie B.)

Palisade Manufacturing Company. (See Eschmann, Frederick W. R., assignor.)

Pardee, C., Works, The, Perth Amboy, N. J., and Philadelphia, Pa. Floor tiles, wall tiles, decorative construction tiles, etc. 213,260; May 25; Serial No. 222,792; published Feb. 16, 1926.

Pawtucket Glazed Paper Company, Pawtucket, R. I. Glazed, plated, and embossed paper-box-covering paper. 213,461; May 25.

Payson Varnish Co., The, New York, N. Y. Paint and varnish remover. 213,277; May 25; Serial No. 216,691; published Mar. 2, 1926.

Peckham-Foreman Inc., New York, N. Y. Bathing suits, juvenile bathing suits, bathing shirts, etc. 213,319; May 25; Serial No. 224,926; published Mar. 16, 1926.

Pepsi-Cola Corporation. (See Bradham, Caleb D., assignor.)

Philadelphia Knitting Mills Company, Philadelphia, Pa. Hosiery. 213,330; May 25; Serial No. 225,379; published Mar. 16, 1926.

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Pedal pad. 213,249; May 25; Serial No. 212,398; published Mar. 2, 1926.

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Foot mats made of rubber products and fabrics. 213,253; May 25; Serial No. 212,400; published Mar. 2, 1926.

Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Internal-combustion-motor heat indicators. 213,378; May 25; Serial No. 226,438; published Mar. 9, 1926.

Pioneer Paper Stock Company. (See Noodelman, Morris.)

Pioneer Rubber Mills, San Francisco, Calif. Piston packing. 213,371; May 25; Serial No. 207,145; published Mar. 16, 1926.

Pioneer Suspender Company, Philadelphia, Pa. Hose supporters. 53,272; renewed May 29, 1926.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paintbrushes. 213,259; May 25; Serial No. 222,878; published Mar. 9, 1926.

Posner, Dr. A., Shoes, Inc., New York, N. Y. Boys' and girls' socks and stockings. 213,484; May 25.

Potts, Horace T., & Co., Philadelphia, Pa. Alloy bar steel. 213,386; May 25; Serial No. 225,975; published Mar. 9, 1926.

Potts, Horace T., & Co., Philadelphia, Pa. Alloy bar steel. 213,387; May 25; Serial No. 225,174; published Mar. 9, 1926.

Potts, Horace T., & Co., Philadelphia, Pa. Steel sheets. 213,388; May 25; Serial No. 225,976; published Mar. 9, 1926.

Potts, Horace T., & Co., Philadelphia, Pa. Tool steel. 213,389; May 25; Serial No. 225,972; published Mar. 9, 1926.

Potts, Horace T., & Co., Philadelphia, Pa. Tool steel. 213,390; May 25; Serial No. 225,971; published Mar. 9, 1926.

Power City Baking Company, Hazleton, Pa. Bread. 213,304; May 25; Serial No. 225,316; published Mar. 9, 1926.

Pratt, B. G., Company, New York, N. Y. Insecticides. 54,343; renewed June 26, 1926.

Procter & Gamble Co., The, Ivorydale and Cincinnati, Ohio, and Kansas City, Kans., to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 54,415; renewed June 26, 1926.

Racine Horseshoe Tire Company, Racine, Wis. Vehicle tires and inner tubes therefor. 213,268; May 25; Serial No. 226,021; published Mar. 9, 1926.

Ready Reference Publishing Co. Inc., The, New York, N. Y. Semiannual publications. 213,382; May 25; Serial No. 219,844; published Jan. 12, 1926.

Red Cedar Lumber Manufacturer's Association of the Pacific Coast, Seattle, Wash. Lumber. 213,315; May 25; Serial No. 222,705; published Jan. 12, 1926.

Reddaway, F., & Co. Limited, Pendleton, Manchester, England. Hose. 213,317; May 25; Serial No. 223,333; published Feb. 9, 1926.

Red Sun Products Co. (See Goldman, Sigmund L.)

Reinhold, Arno, doing business as Stayput Company, Cleveland, Ohio. Caps. 213,301; May 25; Serial No. 224,532; published Mar. 2, 1926.

Reliance Paper Co., Marinette, Wis. Aprons, bibs, paper slippers, etc. 213,426; May 25; Serial No. 219,203; published Mar. 16, 1926.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion, N. Y. Ammunition. 213,213; May 25; Serial No. 204,569; published Mar. 9, 1926

Richardson Corporation, Rochester, N. Y. Root-beer syrup and root beer made from such syrup. 213,233; May 25; Serial No. 225,203; published Mar. 16, 1926.

Ricker, John, Indianapolis, Ind. Medical chewing gum. 213,488; May 25.

Rook, James A., Los Angeles, Calif. Engine pistons. 213,446; May 25.

Rosemary Manufacturing Company, Roanoke Rapids, N. C. Cotton damask. 54,211; renewed June 19, 1926.

Rosemary Manufacturing Company, Roanoke Rapids, N. C. Cotton damask. 56,147; renewed Aug. 28, 1926.

Rosen & Jacoby, New York, N. Y. Doll wigs. 213,405; May 25; Serial No. 224,931; published Mar. 16, 1926.

Rosenblatt, H., & Sons, Inc., Beloit, Wis. Overalls, unionalls, pants, etc. 213,197; May 25; Serial No. 224,932; published Mar. 2, 1926.

Rosenstein, Sidney, doing business as Owname Renewable Matchbook Co., New York, N. Y. Matches. 213,479; May 25.

Roth Shoe Mfg. Company, The, Cincinnati, Ohio. Women's shoes. 213,353; May 25; Serial No. 215,270; published Mar. 16, 1926.

Russell Playing Card Co., Milltown, N. J. Playing cards. 213,486; May 25.

Ryan-Hampton Tobacco Co., Louisville, Ky. Chewing tobacco. 213,395; May 25; Serial No. 225,451; published Mar. 16, 1926.

Ryan-Hampton Tobacco Co., Louisville, Ky. Chewing tobacco. 213,396; May 25; Serial No. 225,450; published Mar. 16, 1926.

Ryan-Hampton Tobacco Co., Louisville, Ky. Chewing tobacco. 213,397; May 25; Serial No. 225,449; published Mar. 16, 1926.

Sacks, Louis, to Louis Sacks, Inc., Newark, N. J., successor. Heel plates for boots or shoes. 27,975; renewed Mar. 17, 1926.

St. Pierre Chain Corporation, Worcester, Mass. Cross chains for automobile tires. 213,354; May 25; Serial No. 225,685; published Mar. 16, 1926.

Saks & Company, New York, N. Y. Tennis shoes made of fabric and rubber. 213,296; May 25; Serial No. 225,619; published Mar. 16, 1926.

Salada Tea Company. (See Larkin, Peter C., assignor.)

Sarfert, Chas., doing business as Garland Hosiery Mills, Philadelphia, Pa. Children's Stockings. 213,444; May 25; Serial No. 226,918; published Mar. 16, 1926.

Sarubbi Shoes, Inc., New York, N. Y. Shoes. 213,455; May 25.

Schleren, Chas. A., Company, New York, N. Y. Fan belts. 213,364; May 25; Serial No. 216,435; published Mar. 16, 1926.

Schmieg, Hungate & Kotzian, Inc., New York, N. Y. Household and office furniture. 213,368; May 25; Serial No. 222,194; published Mar. 16, 1926.

Schneider, Samuel, doing business as S. Schneider & Company, Chicago, Ill. Women's and children's hats. 213,420; May 25; Serial No. 222,343; published Mar. 9, 1926.

Schoenfeld Bros., Inc., Seattle, Wash. Men's cravats. 213,364; May 25; Serial No. 221,978; published Dec. 8, 1925.

Schulemann, Frederick, assignor to The F. Schulemann Co., New York, N. Y. Embroidery and embroidery yarn. 27,932; renewed Mar. 10, 1926.

Schulze, Paul A., St. Louis, Mo. Butter. 213,365; May 25; Serial No. 226,918; published Mar. 16, 1926.

Schweickert & Baas, Inc., Brooklyn, N. Y. Beverages sold as soft drinks. 213,229; May 25; Serial No. 224,730; published Mar. 16, 1926.

Scott, Walter B., Marblehead, Mass. Wooden toys. 213,220; May 25; Serial No. 221,571; published Mar. 16, 1926.

Sears, Roebuck and Co., Chicago, Ill. Hosiery. 213,441; May 25; Serial No. 226,307; published Mar. 16, 1926.

Shelbyville Overall Company, Shelbyville, Ind. Overalls, jackets, play suits, and youths' overalls and jackets. 213,411; May 25; Serial No. 220,256; published Mar. 9, 1926.

Shredded Wheat Company, The, Niagara Falls, N. Y. Biscuits, crackers, and cereal foods. 213,456; May 25.

Smith, Gormly Co., Inc., Rochester, N. Y. Hosiery, underwear, sweaters, and men's and children's shirts, pants, and overalls. 213,416; May 25; Serial No. 223,874; published Mar. 16, 1926.

Smith, Kline & French Company, Philadelphia, Pa. Medicines. 213,468; May 25.

Sperry Flour Company, San Francisco, Calif. Wheat flour; 213,356; May 25; Serial No. 221,286; published Mar. 9, 1926.

Sproat, Samuel, doing business as Ward Heater Company, Los Angeles, Calif. Gas heaters. 213,453; May 25.

Spruance, Frederick D., Philadelphia, Pa. Lingerie. 213,419; May 25; Serial No. 222,412; published Mar. 16, 1926.

Stack, John, Coal Company, Lorain, Ohio. Coal. 213,280; May 25; Serial No. 215,659; published Feb. 23, 1926.

Stanley, John T., Co. Inc., New York, N. Y. Gasket and radiator cement. 213,311; May 25; Serial No. 221,784; published Mar. 9, 1926.

State Textile Corporation, New York, N. Y. Hosiery. 213,288; May 25; Serial No. 225,493; published Mar. 16, 1926.

Stayput Company. (See Reinhold, Arno.)

Steiner & Son, Inc., Asbury Park, N. J. Pyjamas. 213,432; May 25; Serial No. 215,388; published Mar. 16, 1926.

Sterling Products (Incorporated). (See Knowlton, Elias W., assignor.)

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 51,893; renewed Apr. 24, 1926.

Stevens, Wenceslaus, New York, N. Y., and Naples, Italy. Leather gloves. 213,297; May 25; Serial No. 224,483; published Mar. 2, 1926.

Stidd, Elbert N., Portland, Oreg. Tamales (canned). 213,448; May 25.

Storey Brothers & Company, Limited, Lancaster, England. Leather cloth. 213,266; May 25; Serial No. 221,723; published Feb. 16, 1926.

Stratford Costumes, Inc., New York, N. Y. Ladies' and misses' dresses. 213,366; May 25; Serial No. 214,755; published Mar. 16, 1926.

Stratford Costumes, Inc., New York, N. Y. Dresses. 213,433; May 25; Serial No. 214,755; published Mar. 16, 1926.

Strathmore Fruit Growers Association, Strathmore, Calif. Fresh citrous fruit. 213,316; May 25; Serial No. 223,058; published Mar. 16, 1926.

Stroock, S., & Co. Inc., New York, N. Y. Wool cloth in the piece. 213,245; May 25; Serial No. 211,389; published Mar. 9, 1926.

Superior Hard Rubber Company, Butler, N. J. Rubber syringes. 213,363; May 25; Serial No. 214,980; published Mar. 16, 1926.

Swisher, Jno. H., & Son, Newark, Ohio. Cigars. 213,181; May 25; Serial No. 225,816; published Mar. 9, 1926.

Switzer, Frederick M., doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Candy. 55,838; renewed Aug. 21, 1926.

Syndicate Trading Co., New York, N. Y. Cotton piece goods. 213,199; May 25; Serial No. 225,326; published Mar. 9, 1926.

Taylor-Long Company, Charlotte, N. C. Glass bottles. 213,185; May 25; Serial No. 224,303; published Mar. 9, 1926.

Ternstedt Manufacturing Co., Detroit, Mich. Automobile body hardware. 213,470; May 25.

Texas Citrus Fruit Growers Exchange, Mission Tex. Grapefruit, satsumas, tangerines, oranges, lemons. 213,236; May 25; Serial No. 221,290; published Mar. 16, 1926.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrous fruits. 213,237; May 25; Serial No. 221,289; published Mar. 16, 1926.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Grapefruit, satsumas, tangerines, etc. 213,308; May 25; Serial No. 221,145; published Mar. 16, 1926.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Grapefruit, tangerines, oranges, etc. 213,309; May 25; Serial No. 221,291; published Mar. 16, 1926.

Thomas Products, Inc., Boston, Mass. Serviettes. 213,332–7; May 25; Serial Nos. 223,816–21; published Mar. 16, 1926.

Thomas Products, Inc., Boston, Mass. Serviettes. 213,375; May 25; Serial No. 223,815; published Mar. 16, 1926.

Thompson, Henry G., & Son Company, The, New Haven, Conn. Hack-saw blades. 213,462; May 25.

Thorpe, Jay, Inc., New York, N. Y. Corsets. 213,293; May 25; Serial No. 225,559; published Mar. 2, 1926.
Thorson, Mrs. Roxie, doing business as Thorson's Soap Lake Products Co., Soap Lake, Wash. Salt for use in the treatment of certain ailments. 213,472; May 25.
Toch Brothers, Incorporated, New York, N. Y. Ready-mixed paints and paint enamels. 213,187; May 25; Serial No. 224,482; published Feb. 23, 1926.
Todd, John, Inc., Springfield, Mass. Ginger ale and sirup for making the same. 213,482; May 25.
Topping, John A., Nyack, N. Y. Shingles. 213,463; May 25.
Tru-Blu Biscuit Company, Spokane, Wash. Candy. 213,404; May 25; Serial No. 224,583; published Mar. 16, 1926.
Tucker, Beulah B., St. Louis, Mo. Hygienic sleeping blanket made from cotton, wool, or mixtures thereof. 213,194; May 25; Serial No. 224,846; published Mar. 9, 1926.
Uhlein, Julius, doing business as Julius Uhlein & Company, Cincinnati, Ohio. Steel blocks, disks, bars, and forgings. 213,383; May 25; Serial No. 214,934; published Mar. 9, 1926.
Ullman-Levinthal Silks Corporation, New York, N. Y. Silk, artificial silk, cotton, or combination thereof in the piece. 213,191; May 25; Serial No. 224,790; published Mar. 9, 1926.
Undasilks Company. (See Kupferman, Chas. A., Co.)
United Shoe Co. (See Williams-Marvin Company.)
United States Envelope Company, Springfield, Mass. Merchandise envelopes and paper drinking cups. 213,338; May 25; Serial No. 202,470; published Mar. 16, 1926.
Vallens, Eugene, & Co., Chicago, Ill., and New York, N. Y., assignor, by mesne assignments, to American Cigar Company, Jersey City, N. J., and New York, N. Y. Cigars. 28,394; renewed June 16, 1926.
Vane-Calvert Paint Co., St. Louis, Mo. Mixed liquid paint. 53,737; renewed June 12, 1926.
Vedanta Society, New York, N. Y. Printed books. 50,954; renewed Apr. 3, 1926.
Veri-Best Beverage Co. (See Carney, Phil S.)
Wahl, Manfred, Philadelphia, Pa. Pure culture or ferment employed in the production of cereal beverages. 213,227; May 25; Serial No. 224,586; published Mar. 16, 1926.
Walnut Fruit Growers Association, Walnut, Calif. Oranges, lemons, grapefruit. 213,305; May 25; Serial No. 217,434; published Mar. 16, 1926.
Wamsutta Mills, New Bedford, Mass. Shirtings and sheetings. 28,583; renewed July 14, 1926.
Ward Heater Company. (See Sproat, Samuel.)
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 28,450; renewed June 23, 1926.
Wausau Shoe Mfg. Co., Wausau, Wis. Leather shoes. 213,351; May 25; Serial No. 210,517; published Mar. 9, 1926.
Wee Women, Inc., New York, N. Y. Coats and suits for small women. 213,489; May 25.
West Salem Canning Co., West Salem, Wis. Canned vegetables. 213,238; May 25; Serial No. 220,053; published Mar. 16, 1926.
West Salem Canning Company, The, West Salem, Wis. Canned vegetables. 213,392; May 25; Serial No. 225,853; published Mar. 16, 1926.
Wester Coal and Supply Company, The, Youngstown, Ohio. Fuels. 213,460; May 25.
Wetmore, Willard C., New York, N. Y. Tables. 213,358; May 25; Serial No. 220,692; published Mar. 16, 1926.
Whitney Company, The, Detroit, Mich., and Garibaldi, Oreg. Bundled lumber. 213,281; May 25; Serial No. 196,041; published Mar. 2, 1926.
Wiedeke, Gustav, Co., Dayton, Ohio. Tube and flue expanders, tube and flue cutters, tube and flue beading tools. 213,340; May 25; Serial No. 209,601; published Mar. 9, 1926.
Wilke, Ernest, Newark, N. J. Furniture polish. 213,180; May 25; Serial No. 225,631; published Mar. 9, 1926.
Wilkes-Barre Maid Candy Company, Inc. Wilkes-Barre, Pa. Candy bar. 213,491; May 25.
Williams-Marvin Company, doing business as United Shoe Co., San Francisco, Calif. Shoes, slippers, pumps, and sandals. 213,292; May 25; Serial No. 225,536; published Mar. 2, 1926.
Williams Tent & Awning Co. Inc., The, Buffalo, N. Y. Tents and awnings. 213,207; May 25; Serial No. 224,486; published Feb. 16, 1926.
Wilson & Glenny, Limited, Hawick, Scotland. Clothing made from woven, knitted, netted, and textile fabrics. 213,428; May 25; Serial No. 218,349; published Mar. 16, 1926.
Wolff Tober Shoe Mftg. Co., St. Louis, Mo. Ladies' and misses' shoes, slippers, pumps, and low quarters. 213,285; May 25; Serial No. 225,212; published Mar. 9, 1926.
Wyman, George, & Co., South Bend, Kans. Women's dresses, coats, hats, etc. 213,192; May 25; Serial No. 224,815; published Mar. 9, 1926.
Young, G. N., Exeter, Calif. Fresh grapes. 213,267; May 25; Serial No. 221,400; published Mar. 9, 1926.
Zurkow & Son, Incorporated, New York, N. Y. Men's and boys' suits, coats, trousers, overcoats, and raincoats. 213,443; May 25; Serial No. 226,757; published Mar. 16, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Carter, Dr. Aaron B., Chicago, Ill. Dr. A. B. Carter's World Famous Bunion Remedy. For a Medicinal Preparation. 30,373; May 25.
Cumberland Macaroni Mfg. Company, Cumberland, Md. Kook-Rite. For Macaroni Elbows. 30,374; May 25.
Foster & Orenr, San Francisco, Calif. Kiddie Pack. For Candy. 30,375; May 25.
Frisch, Emile, Chicago, Ill. Frisch Process. For Bread. 30,376; May 25.
Hart & Cooley Company, The, New Britain, Conn. Handy Craft—The Modern Toy For The Modern Boy Set No. 3. For Mechanical-Toy Construction Units. 30,377; May 25.
Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Fly Killer. For a Preparation in Liquid Form for Killing Flies. 30,378; May 25.
Leach, J. W., Beaumont, Tex. Leach's Foot Relief. For Foot Powder. 30,379; May 25.
Lightning Manufacturing Co., Joplin, Mo. Ever-Seal. For Automobile Tire Patches 30,380; May 25.
Menasha Printing and Carton Company, Menasha, Wis. Crescent Dairy Butter. For Butter. 30,381; May 25.
Rowntree and Company, Limited, Brooklyn, N. Y. Rowntree's Chu-Frus. For Candy And Cough Drops. 30,382; May 25.
Smi-Lax Medicine Co. (See Smith, Leon.)
Smith, Leon, doing business as Smi-Lax Medicine Co., Kannapolis, N. C. Smi-Lax Tonic And Laxative Compound. For a Medicinal Preparation. 30,383; May 25.
Smucker, J. M., Co., The, Orrville, Ohio. Smucker's Pure Apple Pectin Strawberry Jelly. For Jelly in Packages. 30,384; May 25.
Triner, Joseph, Company, Chicago, Ill. Triner's. For Triner's American Elixir Of Bitter Wine. 30,385; May 25.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Alter, George T., Battle Creek, Mich. Battle Creek Pure Food Coffee. For Coffee. 8,839; May 25.
B. V. D. Company, Inc., The, New York, N. Y. Among Your Summer Plans. For Athletic Underwear. 8,840; May 25.
Cream of Wheat Co., Minneapolis, Minn. An Effective Treatment For Colic. For Wheat Breakfast Food. 8,841; May 25.
Eaton, Crane & Pike Company, Pittsfield, Mass. In L'Opera Francaise. For Stationery. 8,842; May 25.
Jamestown Upholstery Co. Inc., Jamestown, N. Y. The John Bunny Chair. For Chairs. 8,843; May 25.
Jamestown Upholstery Co. Inc., Jamestown, N. Y. The Shrine Of The Home. For Upholstered Furniture. 8,844; May 25.
Jamestown Upholstery Co. Inc., Jamestown, N. Y. Loose Pillow Arm Aristocrat. For Davenports. 8,845; May 25.
Reid, Murdoch & Co., Chicago, Ill. A Story Of Success For Man And Town. For Groceries. 8,846; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When It's Christmas Eve—. For Cigarettes. 8,847; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Orchestra Stops Its Surge Of Music—. For Cigarettes. 8,848; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When Winter's Snow Is Falling Outside—. For Cigarettes. 8,849; May 25.

Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When You Entertain At Home—. For Cigarettes. 8,850; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. Tongue, Be Happy! For a Smoking Tobacco. 8,851; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The First Glorious Day Of Golf Is Over—And The Final Putt Sinks In The 18th Cup. For Cigarettes. 8,852; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. When The Straight-8 Blows A Shoe. For a Smoking Tobacco. 8,853; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. "Have A Camel" These Words Are First Call To The World's Finest Smoke. For Cigarettes. 8,854; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. "Have A Camel" No Cigarette Satisfies The Taste Like A Camel. For Cigarettes. 8,855; May 25.
Reynolds, R. J., Tobacco Company, Winston-Salem, N. C. "Have A Camel" No Other Cigarette Like This Was Ever Made. For Cigarettes. 8,856; May 25.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aberfoyle Mfg. Co., Chester, Pa. Cotton piece goods, shirtings, artificial-silk fabrics in the piece, etc. 223,208; May 25.
Abraham, A. G., Company, Moline, Ill. Candy. 224,224; May 25.
Akron Times Publishing Company, The, Akron, Ohio. Heading for newspaper articles. 211,562–3; May 25.
Alabama-Georgia Syrup Company, Montgomery, Ala. Cane sirup for food purposes. 230,071; May 25.
Allan, John D., doing business as O-J Manufacturing Company, Munsey, Ind. Liquid cleaner. 226,272; May 25.
Allen, C. S., Corporation, Brooklyn, N. Y. Candles. 229,317; May 25.
Alvin Silver Co., New York, N. Y. Sterling-silver flatware, hollow ware, toilet ware, and silver-plated flatware. 219,023; May 25.
American Blade Corporation. (See Koree, Jean U., assignor.)
American Crayon Company, The, Sandusky, Ohio. Printing ink in paste form. 204,535; May 25.
American Milk Products Corporation, New York, N. Y. Canned evaporated milk. 223,427; May 25.
American Steel Ladder Co., Sanford, Me. Sleds. 229,264; May 25.
Anderson, Henry C., doing business as Wonder Products Company, Athens, Ga. General tonic. 227,496; May 25.
Anderson, Hudson H., doing business as Yaus Cigar Company, Newark, Ohio. Cigars. 229,370; May 25.
Antikamnia Remedy Company, The, St. Louis, Mo. Medicinal tablets. 222,102; May 25.
Artesia Cream Company, The, Waco, Tex. Cream for the complexion and astringent lotion. 229,771; May 25.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods and dress fabrics of silk and wool and cotton and wool in the piece. 230,210; May 25.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods and dress fabrics of silk and wool and cotton and wool in the piece. 230,212; May 25.
Badger, William A., & Co., Inc., New York, N. Y. Ladies' coats, wraps, suits, dresses, and skirts. 230,215; May 25.
Ballard & Ballard Co., Louisville, Ky. Self-rising flour. 224,592; May 25.
Barrel, William L., Co. of New York, Inc., New York, N. Y. Cotton duck. 229,373–4; May 25.
Baxter, H. C., & Brother, Brunswick, Me. Canned peas and string and stringless beans. 225,342; May 25.
Benedict Metal Works, Inc., New York, N. Y. Coil-protecting devices for bed springs. 228,354; May 25.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 227,873; May 25.
Beaumont, William H., doing business as W. H. Baumont & Son, New York, N. Y. Cotton, cotton and linen, linen, and linen gauze fabrics in the piece. 229,720–1; May 25.
Behringwerke Aktiengesellschaft, Marburg-Lahn, Germany. Containers for medicinal substances. 230,219; May 25.
Benjamin, E. V., Company, Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Work shirts, overalls vests, play suits, etc. 229,212; May 25.
Bio-Labro Products, Inc., New York, N. Y. Medicinal digestive deodorant and corrective. 230,222; May 25.
Black, Warren G., doing business as Warren G. Black Company, Cleveland, Ohio. Gasoline. 219,656–7; May 25.
Black, Warren G., doing business as Warren G. Black Company, Cleveland, Ohio. Oil concentrate to be used in gasoline. 226,879–80; May 25.
Blackhawk Mfg. Co., Milwaukee, Wis. Automobile foot accelerators. 229,320–1; May 25.
Blue Seal Supply Co. (See Somers, G. Horace.)
Bluefield Coal & Coke Company, Bluefield, W. Va. Coal. 227,564; May 25.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 228,523; May 25
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 230,516; May 25.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 230,518; May 25.
Bonwit Teller & Co., New York, N. Y. Women's and misses' suits, coats, sweaters, and hats. 228,294; May 25.
Bradley, Smith Co., The, New Haven, Conn. Peanut butter. 230,080; May 25.
Brandt, Albert, Trenton, N. J. Healing ointment. 227,712; May 25.
Bridges, John S., doing business as John S. Bridges & Co., Baltimore, Md. Printed books, pamphlets, catalogues, membership cards, etc. 229,722; May 25.
Bruhn, Friedrich W. G., Berlin-Wilmersdorf, Germany. Taximeters, speedometers, measuring instruments, etc. 226,882; May 25.
Buko Company. (See Dziadulowicz, Matt.)
Bullard, Edward W., doing business as E. D. Bullard Co., San Francisco, Calif. Protective hats and caps. 228,742; May 25.
Calandra, Charles, doing business as Calandra Brothers, Buffalo, N. Y. Nonalcoholic, maltless beverages. 229,215; May 25.
Campbell Knitting Mills, Inc., Jellico, Tenn. Hosiery. 224,646; May 25.
Candy House, The, Seattle, Wash. Candy. 230,083; May 25.
Cappel Furniture Co., The, Dayton, Ohio. Floor covering of fibrous material impregnated with oil. 230,382; May 25.
Chain Belt Company, Milwaukee, Wis. Conveyers and material elevators. 226,184; May 25.
Champion Pneumatic Machinery Company, Chicago, Ill. Air-compressor tanks. 227,936; May 25.
Chemical Solvent Co., Inc., The, New York, N. Y. Substitute for alcohol. 230,086; May 25.
Chemische Werke Grenzach Aktiengesellschaft, Grenzach, Germany. Food for diabetes. 228,459; May 25.
Chicago Chero-Cola Bottling Co., Chicago, Ill. Soft drinks. 228,974; May 25.
Chickasha Milling Company, Chickasha, Okla. Wheat flour. 228,646; May 25.
Cincinnati Bickford Tool Company, The, Oakley and Cincinnati, Ohio. Metal-drilling machines. 215,294; May 25.
Cities Service Oil Company, Cleveland, Ohio. Lubricating oils. 230,384; May 25.
Clemens, E., Horst Co., San Francisco, Calif. Hops. 227,631; May 25.
Columbia Pictures Corporation, New York, N. Y. Moving pictures. 228,647; May 25.
Commercial Tea & Coffee Co., The, Boston, Mass. Coffee. 206,657; May 25.
Conde Nast Publications, Inc., The, New York, N. Y. Magazine section. 230,018; May 25.
Cones Date Company, Los Angeles, Calif. Dried fruits. 224,002; May 25.
Crawford Manufacturing Co., Inc., Richmond, Va. Coverings for floor-board openings in automobiles. 222,731; May 25.
Creamette Company, The, Minneapolis, Minn. Macaroni. 230,285; May 25.
Dairymen's League Co-Operative Association, Inc., Utica, N. Y. Conserved milk. 219,476; May 25.
Dampney Company of America, The, Boston, Mass. Protective coatings for the inside of boiler drums, etc. 191,754; May 25.
D'Andrea Brothers, Inc., New York, N. Y. Men's suits, underwear, bathing suits, house robes, etc. 224,655; May 25.
Davis Keyseater Company. (See Grenelle, Edward A.)
Delta Manufacturing Company, Milwaukee, Wis. Sewing machines. 227,264; May 25.
Deluxe Reproducing Roll Corporation, New York, N. Y. Music rolls for automatic or player pianos. 228,363; May 25.
Desitin Chemical Co., Providence, R. I. Medical ointment. 229,949–50; May 25.

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Deutschmann, Tobe C., Boston, Mass. Wires, cables, jacks, plugs, fixed condensers, etc. 227,630; May 25.
Dorsey, Harry E., Somerset, Pa. Medicine for the treatment of blood, liver, and kidney diseases. 224,538; May 25.

Dow-Herriman Pump and Machinery Company, doing business as Radium Ore Revigator Company, assignor to Radium Ore Revigator Company. Containers used to impart the medicinal value of radioactive emanation. 216,826; May 25.

Dowd, R. J., Knife Works, Beloit, Wis. Machine knives. 228,094; May 25.
Dryden Rubber Company, Chicago, Ill. Hoof pads. 216,161; May 25.
Dutch Mill Oil and Service Co., The, St. Joseph, Mo. Gasoline, lubricating oils and greases. 229,903; May 25.
Dziadulewicz, Matt, doing business as Buko Company, Chicago, Ill. Dandruff remover and hair tonic. 229,221; May 25.

Eastern Commission Company, Boston, Mass. Bluechambray work shirts, English-broadcloth dress shirts, and cottom hose. 206,772; May 25.
Economy Wholesale House. (See Trigg, Dobbs & Company.)
Edison Electric Appliance Company, Chicago, Ill. Electric domestic flatirons, laundry irons, tailor irons, etc. 211,909; May 25.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 215,456; May 25.
Empire State Wine Company, Penn Yan, N. Y. Wine. 230,093; May 25.
Enco Electric Nov. Co. Inc., New York, N. Y. Radio-batteries. 227,781; May 25.
Enterprise & Century Undergarment Co. Inc., New York, N. Y. Hosiery and underwear. 228,418; May 25.
Evansville Tool Works, Inc., Evansville, Ind. Carpenters' polished claw hammers. 227,090; May 25.
Exchange Orange Products Co., The, San Dimas, Calif. Citrous-fruit juices. 217,076; May 25.
Experimenter Publishing Company, New York, N. Y. Magazine. 229,095; May 25.
Farrow, David T., doing business as D. T. Farrow Chickeries, Peoria, Ill. Baby chicks. 227,979; May 25.
Field-Ernst Envelope Company, San Francisco, Calif. Mailing envelopes. 228,532; May 25.
Fishelov, Irving B., doing business as H. Fishelov & Co., Chicago, Ill. Novelty toys. 228,099; May 25.

Flint, Dutee W., Oil Co., Inc., Providence, R. I. Crude petroleum oil, gasoline, kerosene, etc. 223,705; May 25.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 217,084; May 25.
Foti, Giacomo, Philadelphia, Pa. Olive oil. 230,291; May 25.
Fountaine Laboratories. (See Skinner, Harry A.)
Frank, M. J., & Company, Inc., New York, N. Y. Dolls. 229,224; May 25.
Frank & Seder Inc., Pittsburgh, Pa. Automobile tires. 214,205; May 25.
Frankel & Smith Inc., Boston, Mass. Face powders, toilet waters, rouge, lip stick, etc. 229,280; May 25.
Franklin, S., & Co., Chicago, Ill. Facsimile oil paintings. 230,292; May 25.
Freed-Eisemann Radio Corporation, Brooklyn, N. Y. Loud speakers. 228,183; May 25.
Freshie Co. Inc., The, New York, N. Y. Fibrous material treated with a facial paste. 227,646; May 25.
Freydberg Brothers, Incorporated, New York, N. Y. Tapes and bindings of linen, cotton, silk, and wool materials. 224,454; May 25.

Fry Art Co., The, New York, N. Y. Prepared colors, dry and ready-mixed paints. 228,536; May 25.
Fulton, Bob, Shoe Company, The, Columbus, Ohio. Men's Shoes. 229,556; May 25.

Galena-Signal Oil Company, of Texas, Houston, Tex. Lubricating oils and greases. 229,176; May 25.
Gates Chemical Company, Denver, Colo. Cleaning and scouring preparations. 228,537; May 25.
General Match Company, The, Cincinnati, Ohio. Matches. 218,697; May 25.
Gerberich Payne Shoe Company, Mount Joy Pa. Boys' shoes. 229,383; May 25.
Gibson, Hugo C., New Orleans, La. Life preservers. 211,929–30; May 25.
Gilbert Spruance Company, The, Philadelphia, Pa. Ready-mixed paint. 229,622; May 25.
Gillette Safety Razor Company, Boston, Mass. Safety-razor blades. 228,311; May 25.
Gipsy Trail Camp and Country Club, Inc., New York, N. Y. Magazine. 212,918; May 25.
Glaze, Balnam & Moye, Exeter, Calif. Fresh fruits. 224,086; May 25.
Goetze, Gertrud, née Evers, Furstenwalde-on-the-Spree, Germany. Ladies' underwear of textile fabric. 227,739; May 25.
Goff, S. B., & Sons Co., Camden, N. J. White-pine and tar compound, bitters, cough sirup, etc. 229,623; May 25.
Goldstein, Harry, New York, N. Y. Watches. 227,302; May 25.

Goodwin Brothers Automobile Company, Newcastle, Ind. Gasoline. 226,052; May 25.
Graniteville Manufacturing Company, Graniteville, S. C. Bleached and unbleached sheetings. 229,624; May 25.
Gratton, James, Toronto, Ontario, Canada, assignor to Henry Helde, Incorporated, New York, N. Y. Candy patties. 222,377; May 25.
Greeley Square Hotel Company, New York, N. Y. Candies, ice cream, teas, coffee, etc. 225,422; May 25.
Greene, E. L., Knitting Mills, Inc., Bath, N. Y. Sport coats. 225,606; May 25.
Grenelle, Edward A., doing business as David Keyseater Company, Rochester, N. Y. Machines for cutting key seats. 230,336; May 25.
Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Violin bows. 229,732; May 25.
Griffin & Bowen, Inc., New York, N. Y. Lamp-house structures. 227,836; May 25.
Haenichen Bros. Silk Co., Paterson, N. J. Umbrella silk piece goods. 225,474; May 25.
Haft, Edward L., & Co., Inc., New York, N. Y. Ladies', misses', and children's hats. 228,851; May 25.
Handy Distributing Corporation, New York, N. Y. Vending machines. 229,960; May 25.
Hardware Specialties Manufacturing Co., The, Stratford, Conn. Service trays. 228,240; May 25.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 224,389; May 25.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Ammonia. 224,390; May 25.
Helde, Henry, Incorporated. (See Gratton, James, assignor.)
Hempel, Henrietta J., Buffalo, N. Y. Pessary. 226,194; May 25.
Hoberg Paper & Fibre Company, Green Bay, Wis. Catamenial bandages. 230,295; May 25.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 229,180; May 25.
Holland, Miss, Boston, Mass. Coats, dresses, gowns, wraps, waists, and hats. 230,296; May 25.
Hoyt, Charles L., doing business as Snap Fly Dope Company, Springfield, Mass. Insect repellent. 229,234; May 25.
Hubbard, Albert P., doing business as Old Mother Hubbard Dog Food Company, Gloucester, Mass. Dog foods. 228,605; May 25.
Hudepohl Brewing Company, The, Cincinnati, Ohio. Malt-beverage soft drinks and sirups for making the same. 218,182; May 25.
Hygienic Wire Works Ltd., London, England. Metal tiles. 228,542; May 25.
Independent Publishing Co., The, Washington, D. C. Weekly newspaper. 226,546; May 25.
International Cigar Machinery Company, New York, N. Y. Cigar-making machinery and parts thereof. 229,235; May 25.
Iona Company, The. (See Wilshire, Gaylord.)
Jagoe, Alice F., doing business as A. F. Jagoe, Bogota, N. J. Baby rompers. 229,443; May 25.
Janiey Mineral Water Co. (See Jones, Edgar C.)
Jass Mfg. Co., Atlanta, Ga., and Philadelphia, Pa. Cotton, silk, wool, or combinations thereof. 224,763–4; May 25.
Jones, Edgar C., doing business as Janice Mineral Water Co., Red Oak, Ga. Mineral water. 224,140; May 25.
Kale, George K., Mfg. Company, Philadelphia, Pa. Bone buttons. 229,032; May 25.
Kann, S., Sons Company, The, Washington, D. C. Women's dresses. 230,245; May 25.
Kanough, William, Coal Company, Fort Wayne, Ind. Coal. 192,076; May 25.
Kay Bee Manufacturing Co., Los Angeles, Calif. Electrically-illuminated automobile lamps. 228,249; May 25.
Kelly Axe & Tool Company, Charleston, W. Va. Hammers. 222,073; May 25.
Kelly Axe & Tool Co., Charleston, W. Va. Axes, hatchets, and hammers. 227,019; May 25.
Kennedy Products Co., The, Gloversville, N. Y. Medicinal preparation. 228,854; May 25.
Kleenit Chemical Co. (See Willbanks, Byrd.)
Klein Manufacturing Company, Inc., The, Chicago, Ill. Fuel-saving device for internal-combustion engines. 227,523; May 25.
Koree, Jean U., assignor, by mesne assignments, to American Blade Corporation, New York, N. Y. Safety-razor blades. 227,238; May 25.
Legrand, Oriza L., Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, brilliantine, etc. 229,802; May 25.
Libby, McNeill & Libby, Chicago, Ill. Canned evaporated milk. 230,400; May 25.
Loggers Equipment & Car Company. (See Maxwell, Newton W.)
Los Angeles Creamery Co., Los Angeles, Calif. Eggs, ice cream, and dairy products. 226,665; May 25.
Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 229,973; May 25.
Macy, R. H., & Co., Inc., New York, N. Y. Golf balls. 229,045; May 25.
Maeser Fur Farms Inc., Hackensack, Minn. Live foxes. 227,240; May 25.

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Magazine Builders, Inc., The, New York, N. Y. Monthly magazine. 225,481; May 25.
Maginnis Cotton Mills. (See Benjamin, E. V., Company.)
Magnuson, Glen E., Galesburg, Ill. Monthly publication. 229,867; May 25.
Manning, Landon C., New York, N. Y. Coin-controlled vending machines. 223,398; May 25.
Manville Jenckes Company, Pawtucket, R. I. Cotton and cotton and silk draperies and upholsteries in the piece. 212,190; May 25.
Mar-Va-Sol Pharmacial Co. (See Williams and Walker.)
Mason, Perry G., Company, The, Cincinnati, Ohio. Salve, blood tonic and purifier, castor oil, laxatives, etc. 229,240; May 25.
Maxwell, Newton W., doing business as Loggers Equipment & Car Company, Seattle, Wash. Machinery; steam, gasoline, and internal-combustion locomotives; tractors, etc. 202,880; May 25.
McIntosh Electrical Corporation, Chicago, Ill. Electrical lamp for therapeutic application. 227,194; May 25.
Messing Bread Company, Incorporated, assignor to Messing Bakeries, Incorporated, New York, N. Y. Cake. 208,060; May 25.
Miner, Estate Henry C., Inc., New York, N. Y. Perfumery, toilet lotions, hair tonic, face powder, etc. 222,923; May 25.
Monroe Corporation, The, Emmett, Idaho. Lumber elevators. 229,351; May 25.
Murrmann, Mrs. Annie E., Danville, Ill. Medicine. 229,401; May 25.
National College of Health Company, Limited, Broughton, Manchester, England. Ointments, lotions, powders, and blood medicine. 225,234; May 25.
National Service Bureau of New York, Inc., New York, N. Y. Periodical. 229,518; May 25.
New Jersey Wire Cloth Co., The, Trenton, N. J. Wire cloth. 192,784; May 25.
Newnes, Samuel C., Placentia, Calif. Advertising punch board. 227,184; May 25.
Newton, Frank H., Los Angeles, Calif. Rectal dilators, vaginal applicators, syringes, and syringe attachments. 217,575; May 25.
New York Mills Corporation, New York, N. Y. Plain and fancy corduroys. 216,629; May 25.
Niagara Macaroni Manufacturing Company, Inc., Buffalo, N. Y. Macaroni. 230,187; May 25.
Norton, Frank J., doing business as Frank J. Norton & Co. and Frank J. Norton & Company, Sutherlin, Oreg. Canned fruits, berries, and vegetables. 227,321; May 25.
Norwegian Tasteless Cod Liver Oil Company of America, The. (See Roll, Sigurd E.)

O-J Manufacturing Company. (See Allan, John D.)
O'Neil Oil & Paint Co., Milwaukee, Wis. Lubricating oils and greases. 205,706; May 25.
Orange Crush Company, Chicago, Ill. Beverages and compounds, sirups, and concentrates for making such beverages. 226,595; May 25.
Organs Restorative Food Corporation, New York, N. Y. Pharmaceutical preparations. 229,978; May 25.
Ouerbacker Coffee Co., Inc., The, Louisville, Ky. Coffee. 230,114; May 25.
Outdoor Advertising Association of America, Inc., Chicago, Ill. Monthly publication. 230,044; May 25.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 212,951; May 25.
Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 228,004; May 25.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 228,438; May 25.
Parfumerie Roger et Gallet, Paris, France. Soap. 228,768; May 25.
Parfumerie Roger et Gallet, Paris, France. Soaps. 228,770; May 25.
Parfumerie Roger et Gallet, Paris, France. Soaps. 229,402; May 25.
Parker Brothers, Portland, Me., and Salem, Mass. Board game played with puzzle cards. 226,736; May 25.
Paulson, Louis T., doing business as World Electric Company, Los Angeles, Calif. Radio receiving sets and parts thereof, radio battery eliminators, and wall sockets. 226,678; May 25.
Peates Music House, Incorporated, Utica, N. Y. Banjos, banjo ukuleles, drums, cymbals, etc. 225,487; May 25.
Pennrich & Company, Inc., New York, N. Y. Synthetic cuprammonium yarn made from cotton linter. 230,308; May 25.
Penny, J. C., Company, Wilmington, Del., and New York, N. Y. Overalls and work clothes. 229,128; May 25.
Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face powder, etc. 229,642; May 25.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 226,912; May 25.
Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 229,050; May 25.
Plate, Roland A., Company, The, Chicago, Ill. Candy. 230,116; May 25.
Plaza Music Co., New York, N. Y. Diminutive phonographs. 217,955; May 25.

Pneumatic Scale Corporation, Limited, Norfolk Downs, Mass. Coin sorting, packaging, counting, and handling machines. 222,135; May 25.
Polly Portable Phonograph Co., Inc., The, New York, N. Y. Musical instruments and supplies. 219,690–1; May 25.
Presberger, Sam, St. Louis, Mo. Necktles. 226,602; May 25.
Prewett, Clay W., Los Angeles, Calif. Calculating machines and calculating-machine casings. 183,593; May 25.
Probst, Otto, Sardis, Ohio. Healing ointment. 228,865; May 25.
Progressive Knitting Works, Inc., Brooklyn, N. Y. Silk fabrics and artificial silk in the piece. 230,261; May 25.
Publishers Fiscal Corp., New York, N. Y. Magazine. 229,466; May 25.
Pyridium Corporation, The, New York, N. Y. Pseudodiaminopyridineazophenylorthocarbonic acid, its normal isomer, and the alkaline salts of the normal acids. 229,816; May 25.
Pyridium Corporation, The, New York, N. Y. Azo dyes of the pyridine series. 229,817; May 25.
Radium Ore Revigator Company. (See Dow-Herriman Pump and Machinery Company, assignor.)
Red Star Appliances, Inc., Stamford, Conn. Mailing marking machines. 229,705; May 25.
Reeder, Bertha C., New York, N. Y. Skin lotion. 228,866; May 25.
Reichmann Company, Chicago, Ill. Sound-amplifying horns for use with radio apparatus. 213,736; May 25.
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 230,263; May 25.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, angle two-way plugs, angle three-way convenience taps, etc. 222,483; May 25.
Rizik Bros., Washington, D. C. Perfume and toilet water. 229,752; May 25.
Rogelen Chemical Co. (See Rogers, Joseph A.)
Rogers, Joseph A., doing business as Rogelen Chemical Co., St. Louis, Mo. Hair salve for treating the hair. 229,931; May 25.
Roll, Sigurd E., doing business as The Norwegian Tasteless Cod Liver Oil Company of America, Chicago, Ill. Tasteless cod-liver oil. 229,590; May 25.
Roth Tobacco Co., Cape Girardeau, Mo. Twist tobacco. 229,252; May 25.
Royal Carbonating Co., Providence, R. I. Nonalcoholic maltless beverage. 229,469; May 25.
Sackett, Clarence F., Denver, Colo. Dresses and lingerie. 228,485; May 25.
Sayre Oil & Refining Co., Sayre, Okla. Painters' naphtha. 224,155; May 25.
Schreiber Products Corporation, Buffalo, N. Y. Coffee. 219,995; May 25.
Schuler Chocolate Factory, Winona, Minn. Candy. 230,124; May 25.
Schumacher, F., & Co., New York, N. Y. Upholstering fabrics. 223,873; May 25.
Schwartz, William C., Manheim Township, Lancaster County, Pa. Nursery stocks, seeds, plants, bulbs, etc. 228,201; May 25.
Scott & Bowne, Bloomfield, N. J. Cod-liver oil. 205,493; May 25.
Selvasize Company, The, St. Paul, Minn. Sizing for walls to be mixed in paper-hangers' paste. 228,568; May 25.
Shore Instrument & Mfg. Co., The, Jamaica, N. Y. Static-hardness indicators. 224,432; May 25.
Shorewood Mills, Milwaukee, Wis. Underwear and infants' wrappers. 227,968; May 25.
Shredded Wheat Company, The, Niagara Falls, N. Y. Biscuits, crackers, and cereal foods. 227,480; May 25.
Sinclair Refining Company, New York, N. Y. Gasoline. 229,595; May 25.
Skinner, Harry A., doing business as Fountaine Laboratories, Binghamton and New York, N. Y. Face creams, packs, powders, perfumes, toilet waters, etc. 230,360; May 25.
Snap Fly Dope Company. (See Hoyt, Charles L.)
Societe Parisienne d'Essences Rares et de Parfums, Paris, France. Perfumery. 228,621; May 25.
Somers, G. Horace, doing business as Blue Seal Supply Co., Chicago, Ill., and Denver, Colo. Vaginal suppositories. 228,146; May 25.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Suits, overcoats, topcoats, vests, and trousers. 229,286; May 25.
Spreckels, J. D. and A. B., Securities Co., doing business as Western Sugar Refinery, San Francisco, Calif. Sugar. 216,296; May 25.
Squier, Frank, doing business as The Frank Squier Paper Company, New York, N. Y. Bond and ledger papers. 226,605; May 25.
Stanley Works, The, New Britain, Conn. Cold-rolled flat strip steel. 227,145; May 25.
Star Brush Manufacturing Co., Inc., Brooklyn, N. Y. Brushes. 214,187; May 25.

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Stein, George W., Los Angeles, Calif. Butchers' block scraping and brushing implements. 211,720; May 25.
Stevens, Chas. A., & Bros., Chicago, Ill. Underwear, drawers, tights, vests, union suits, etc. 221,288; May 25.
Stewart Paint Mfg. Co., Minneapolis, Minn. Barn paint. 228,947; May 25.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Periodical publication. 230,054–6; May 25.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 224,118; May 25.
Storm Waterproofing Corporation, New York, N. Y. Liquid and plastic surface-coating waterproofing materials. 227,152; May 25.
Stover Manufacturing & Engine Co., Freeport, Ill. Stove dampers and spindles therefor. 227,921; May 25.
Sussberg, Victor L., doing business as The Wellmade Petticoat Co., New York, N. Y. Silk petticoats, slips, and bloomers. 227,147; May 25.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Clock and watch movements. 229,409; May 25.
Texas Citrus Fruit Growers' Exchange, Mission, Tex. Fresh citrous fruits and canned citrous fruits. 227,973; May 25.
Thomas, Ray, Inc., Los Angeles, Calif. Radiotubes. 226,975; May 25.
Thomson, Carel L., Rotterdam, Netherlands. Canned fruits. 226,612; May 25.
Toch Brothers, Incorporated, New York, N. Y. Coating for walls. 228,575; May 25.
Tourison, Bart, Philadelphia, Pa. Metal molds, compressed-air machines, and machines for making concrete blocks. 216,649; May 25.
Trigg, Dobbs & Company, doing business as Economy Wholesale House, Chattanooga, Tenn. Coffee. 225,067; May 25.
Truvy, Inc., New York, N. Y. Face powders, face creams, face packs, smelling salts, lip sticks, etc. 229,762; May 25.
Tupelo Cotton Mills, Tupelo, Miss. Cotton piece goods. 222,416; May 25.
Tutelman & Kohn, Philadelphia, Pa. Soft collars. 227,816; May 25.
Typon Reflex Paper Co., Inc., New York, N. Y. Sensitized papers and films. 224,885; May 25.
Unexcelled Manufacturing Company, Inc., New York, N. Y. Firecrackers. 228,507; May 25.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Files. 230,141; May 25.
United States Gutta Percha Paint Company, Providence, R. I. Lacquers. 230,432; May 25.
U. S. Line Company. (See United States Whip Company.)
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 226,578; May 25.
Vacuum Oil Company, New York, N. Y. Naphtha, gasoline, and benzine. 230,368; May 25.
Van Houten, C. J., and Zoon a Commanditaire Vennootschap op Aandeelen, Weesp, Holland. Cocoa. 224,584; May 25.
Van Houten, C. J., and Zoon a Commanditaire Venootschap op Aandeelen, Weesp, Holland. Cocoa, sugar, and milk powder. 224,585; May 25.
Van Houten, C. J., and Zoon a Commanditaire Vennootschap op Aandeelen, Weesp, Holland. Mixture of cocoa and sugar. 224,664; May 25.
Van Raalte Co. Inc., New York, N. Y. Women's, misses', and children's silk knitted underwear. 229,605; May 25.
Vendor Slate Company, Easton, Pa. Roofing slate. 228,509; May 25.
Vulcan Manufacturing Company, Kansas City, Mo. Iron machines and attachments. 229,366; May 25.
Watson, A. J., & Co., Inc., New York, N. Y. Feminine dresses and coats. 218,533; May 25.
Weil-Ostermann Products Company, Kansas City, Mo. Preparation for coloring and clarifying nonalcoholic, maltless beverages. 228,015; May 25.
Wellmade Petticoat Co., The. (See Sussberg, Victor L.)
Western Sugar Refinery. (See Spreckels, J. D. and A. B., Securities Co.)
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed paints. 212,766; May 25.
Weyauwega Milling Company, Weyauwega, Wis. Rye flour, rye meal, rye-flour compound, and rye feed. 209,758; May 25.
Wickwire Spencer Steel Company, New York, N. Y. Card Clothing. 226,703; May 25.
Williamks, Byrd, doing business as Kleenit Chemical Co., Fort Worth, Tex. Chemical composition for cleaning fabrics. 183,617; May 25.
Williams and Walker, doing business as Mar-Va-Sol Pharmacial Co., Seattle, Wash. Liquid and pill preparation for rheumatism. 227,149; May 25.
Wilshire, Gaylord, doing business as The Iona Company, Los Angeles, Calif. Life belt and heat pad. 226,408; May 25.
Winter, Albert W., St. Louis, Mo. Insecticides. 230,435; May 25.
Wittnauer, A., Co., New York, N. Y. Watches. 207,482; May 25.
Wonder Products Company. (See Anderson, Henry C.)
Wood, Roldo M., San Francisco, Calif. Monthly trade newspaper. 230,067; May 25.
World Electric Company. (See Paulson, Louis T.)
Yaus Cigar Company. (See Anderson, Hudson H.)
Zeltrocide Chemical Corporation, Lakeland, Fla. Solution for preserving citrous fruits. 230,373; May 25.
Zucca's Restaurant, Inc., New York, N. Y. Noodles. 221,579; May 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Clays to mix with molding sand for the purpose of renewing its usefulness, Blend of. New York & Pennsylvania Clay Products Co. 213,278; May 25; Serial No. 216,631; published Mar. 2, 1926.
Coal. Blackwood Coal and Coke Company. 213,261; May 25; Serial No. 222,780; published Mar. 2, 1926.
Coal. John Stack Coal Company. 213,280; May 25; Serial No. 215,659; published Feb. 23, 1926.
Fuels. Wester Coal and Supply Company. 213,460; May 25.
Fur skins, hides, and pelts. Best & Co. 213,256; May 25; Serial No. 223,275; published Mar. 2, 1926.
Kid, Glazed. G. H. McNeeley & Co. 28,734; renewed Aug. 11, 1926.
Lenther, calfskins, and waxed calfskins, Patent. C. Heyl. 48,818; renewed Jan. 16, 1926.
Seed, Grass. Albert Dickinson Company. 28,240; renewed May 12, 1926.

CLASS 2.

Bags, Paper. Advance Bag and Paper Company. 213,312; May 25; Serial No. 222,538; published Mar. 16, 1926.
Bags, Paper. Advance Bag and Paper Company. 213,313; May 25; Serial No. 222,548; published Mar. 16, 1926.
Bags, Paper. Advance bag and Paper Company. 213,314; May 25; Serial No. 222,554; published Mar. 16, 1926.
Boxes, Berry, fruit and vegetable. Coles & Company. 213,224; May 25; Serial No. 224,237; published Mar 16, 1926.
Boxes or cartons, Cigarette. Handipak Company. 213,216; May 25; Serial No. 225,920; published Mar. 16, 1926.
Cases for receiving rolled cards, Tubular metallic. International Buyer's Service Inc. 213,209; May 25; Serial No. 226,004; published Mar. 16, 1926.
Envelopes and paper drinking cups, Merchandise. United States Envelope Company. 213,338; May 25; Serial No. 202,470; published Mar. 16, 1926.

CLASS 3.

Hatboxes, suitcases, and traveling bags, Ladies'. S. Lacher. 213,234; May 25; Serial No. 225,229; published Mar. 9, 1926.
Hoof pads. Dryden Rubber Company. 213,447; May 25.

CLASS 4.

Composition for cleaning typewriters, multigraphs, etc., Liquid. W. P. Mason. 213,466; May 25.
Emery and corundum wheels. Electric Emery Wheel Company. 28,973; renewed Oct. 6, 1926.
Perfumery and toilet articles. R. Hudnut. 28,495; renewed June 30, 1926.
Soap. Procter & Gamble Co. 54,415; renewed June 26, 1926.

CLASS 5.

Adhesives. Arabol M'f'g Co. 213,215; May 25; Serial No. 214,389; published Mar. 9, 1926.
Cement, Gasket and radiator. John T. Stanley Co. Inc. 213,311; May 25; Serial No. 221,784; published Mar. 9. 1926.

CLASS 6.

Anæsthetics. Chemische Fabrik auf Actien vormals E. Schering. 28,438; renewed June 23, 1926.
Antiseptic and germicidal preparation. F. W. R. Eschmann. 28,047; renewed Mar. 31, 1926.
Beef extracts and beef, iron, and wine. Liebig Extract Company. 52,782; renewed May 15, 1926.
Chemical preparation. Chemische Fabrik auf Actien vormals E. Schering. 28,431; renewed June 23, 1926.
Cologne and perfumery. R. Hudnut. 28,551; renewed July 7, 1926.

Hair-color restorer or hair dye. H. A. Mayor. 50,940; renewed Apr. 3, 1926.
Homeopathic medicines, dietetic preparations, and books. Homoeopathische Central-Apotheke. 28,274; renewed May 19, 1926.
Insecticides. R. G. Pratt Company. 54,343; renewed June 26, 1926.
Medical chewing gum. J. Ricker. 213,488; May 25.
Medical compound. Knoll & Co. 28,348; renewed June 2, 1926.
Medicine, Alterative. Billings Clapp Company. 49,118; renewed Jan. 23, 1926.
Medicines. Smith, Kline & French Company. 213,468; May 25.
Perfumes and, hygienic products. Franklin Simon & Co. 213,467; May 25.
Pharmaceutical preparations. Firm of G. Georgi. 28,501; renewed June 30, 1926.
Remedies. J. L. Hoffman. 28,065; renewed Mar. 31, 1926.
Salt. Griffith Laboratories, Inc. 213,483; May 25.
Salt for use in the treatment of certain ailments. Mrs. R. Thorson. 213,472; May 25.
Salve. J. A. O'Keefe. 28,941; renewed Oct. 6, 1926.
Tonic, Hair. N. Albers. 213,469; May 25.
Tonics, Scalp. E. W. Knowlton. 28,683; renewed July 28, 1926.

CLASS 8.

Pipes, Tobacco. Delacour & Lewis Corporation. 213,385; May 25; Serial No. 226,049; published Mar. 9, 1926.

CLASS 9.

Ammunition. Remington Arms Company. 213,213; May 25; Serial No. 204,569; published Mar. 9, 1926.
Matches. Lion Match Co. 213,179; May 25; Serial No. 225,615; published Mar. 9, 1926.
Matches. Lion Match Co. 213,203; May 25; Serial No. 225,613; published Mar. 9, 1926.
Matches. S. Rosenstein. 213,479; May 25.

CLASS 10.

Fertilizer. Nitrate Agencies Company. 213,406; May 25; Serial No. 222,274; published Mar. 9, 1926.

CLASS 12.

Cement. Inland Fire Brick Co. 213,188; May 25; Serial No. 215,576; published Feb. 16, 1926.
Flooring. Muskoka Wood Mfg. Co. 213,218; May 25; Serial No. 222,991; published Feb. 16, 1926.
Lumber. Red Cedar Lumber Manufacturer's Association of the Pacific Coast. 213,315; May 25; Serial No. 222,705; published Jan. 12, 1926.
Lumber, Bundled. Whitney Company. 213,281; May 25; Serial No. 196,041; published Mar. 2, 1926.
Roofing slates, sawed and plain, and rubber-finished slates and slate slabs. Chapman Slate Company. 28,802; renewed Aug. 18, 1926.
Shingles. J. A. Topping. 213,463; May 25.
Tiles. C. Pardee Works. 213,260; May 25; Serial No. 222,792; published Feb. 16, 1926.

CLASS 13.

Hardware, Automobile body. Ternstedt Manufacturing Co. 213,470; May 25.
Heel plates for boots or shoes. L. Sacks. 27,975; renewed Mar. 17, 1926.
Nozzles, Spraying. Deming Company. 28,756; renewed Aug. 11, 1926.
Tires, Cross chains for automobile. St. Pierre Chain Corporation. 213,354; May 25; Serial No. 225,685; published Mar. 16, 1926.
Traps, Steam. Holden & Brooks, Limited. 27,875; renewed Feb. 25, 1926.
Wire, wire nails, staples, and bale ties, Barbed and plain. Consolidated Barb Wire Co. 28,254; renewed May 12, 1926.

CLASS 14.

Castings, bearing metals, and alloys, Brass, bronze, and aluminum. D. & E. Metals Co. 213,394; May 25; Serial No. 225,650; published Mar. 9, 1926.
Castings, Malleable-iron. Erie Malleable Iron Company. 213,384; May 25; Serial No. 226,482; published Mar. 9, 1926.
Steel, Alloy bar. Horace T. Potts & Co. 213,386–7; May 25; Serial Nos. 225,974–5; published Mar. 9, 1926.
Steel blocks, disks, bars, and forgings. J. Uhlein. 213,383; May 25; Serial No. 214,934; published Mar. 9, 1926.
Steel sheets. Horace T. Potts & Co. 213,388; May 25; Serial No. 225,976; published Mar. 9, 1926.
Steel sheets, Galvanized. American Sheet and Tin Plate Company. 213,269; May 25; 220,168; published Nov. 24, 1925.
Steel, Tool. Firth Sterling Steel Company. 54,871; renewed July 31, 1926.
Steel, Tool. Horace T. Potts & Co. 213,389–90; May 25; Serial Nos. 225,971–2; published Mar. 9, 1926.

CLASS 15.

Oils, Petroleum lubricating. Gulf Refining Company. 52,592; renewed May 15, 1926.

CLASS 16.

Coloring and finishing waterproof materials in the nature of paints or stains. Samuel Cabot Inc. 213,198; May 25; Serial No. 225,109; published Feb. 23, 1926.
Paint and enamel remover. J. B. Ford Company. 213,279; May 25; Serial No. 215,976; published Mar. 2, 1926.
Paint and varnish remover. Payson Varnish Co. 213,277; May 25; Serial No. 216,691; published Mar. 2, 1926.
Paint enamel. Great Lakes Varnish Works, Inc. 213,451; May 25.
Paint, Mixed liquid. Vane-Calvert Paint Co. 53,737; renewed June 12, 1926.
Paints and paint enamels, Ready-mixed. Toch Brothers, Incorporated. 213,187; May 25; Serial No. 224,482; published Feb. 23, 1926.
Paints, Ready-mixed. W. P. Fuller & Co.; 213,475; May 25.
Polish and cleaner. Namello Products. 213,196; May 25; Serial No. 224,923; published Mar. 9, 1926.
Polish for automobiles, furniture, etc., liquid. W. A. Marshall. 213,186; May 25; Serial No. 224,467; published Mar. 9, 1926.
Polish, Furniture. E. Wilke. 213,180; May 25; Serial No. 225,631; published Mar. 9, 1926.
Varnishlike liquid for cedarizing wood. Don-O-Lac Co. 213,409; May 25; Serial No. 224,551; published Mar. 16, 1926.
Whitewash preparation. Pacific Lime & Plaster Co. 213,189; May 25; Serial No. 224,672; published Feb. 23, 1926.

CLASS 17.

Cigars. Jno. H. Swisher & Son. 213,181; May 25; Serial No. 225,816; published Mar. 9, 1926.
Cigars. Eugene Vallens & Co. 28,394; renewed June 16, 1926.
Tobacco, Chewing. Ryan-Hampton Tobacco Co. 213,395–7; May 25; Serial Nos. 225,449–51; published Mar. 16, 1926.
Tobacco, Smoking and chewing. Excelsior Tobacco Co. 213,221; May 25; Serial No. 221,545; published Dec. 22, 1925.
Tobacco, snuff, cigars, and cigarettes, Chewing and smoking. Generaldirektion der Oesterreichischen Tabakregie. 213,341; May 25; Serial No. 214,355; published Mar. 16, 1926.

CLASS 19.

Bicycles. Crown Cycle Company. 27,411; renewed Dec. 3, 1925.
Pedal pad. Pierce-Arrow Motor Car Company. 213,249; May 25; Serial No. 212,398; published Mar. 2, 1926.
Strap hangers, propellers, windshields, and gear-shift knobs. Bakelite Corporation. 213,342; May 25; Serial No. 216,820; published Jan. 12, 1926.

CLASS 22.

Cards, Playing. Russell Playing Card Co. 213,486; May 25.
Doll wigs. Rosen & Jacoby. 213,405; May 25; Serial No. 224,931; published Mar. 16, 1926.
Game device, Educational spelling. Eastern Hair Net Trading Co. 213,270; May 25; Serial No. 219,732; published Mar. 9, 1926.
Golf clubs. C. S. Butchart. 213,183; May 25; Serial No. 223,999; published Mar. 9, 1926.
Golf clubs, golf balls. Duvega, Inc. 213,452; May 25.
Modeling set for children. Embossing Company. 213,212; May 25; Serial No. 189,888; published Mar. 16, 1926.
Toy ranges and cooking utensils. Grey Iron Casting Company. 213,214; May 25; Serial No. 213,374; published Mar. 9, 1926.
Toys, Structural. Hart & Cooley Company. 213,193; May 25; Serial No. 224,818; published Mar. 9, 1926.
Toys, Wooden. W. B. Scott. 213,220; May 25; Serial No. 221,571; published Mar. 16, 1926.

CLASS 23.

Boring heads, gear cutters, hollow mills, etc. O. K. Tool Company. 213,339; May 25; Serial No. 206,915; published Mar. 9, 1926.
Cement blocks, concrete blocks, and tile blocks, Machines for making. Cement Block Machinery Company. 213,331; May 25; Serial No. 224,000; published Mar. 16, 1926.
Clippers, Hair. Brown & Sharpe Mfg. Co. 50,806; renewed Apr. 3, 1926.
Engine pistons. J. A. Rook. 213,446; May 25.
Expanders, tube and flue cutters, etc., Tube and flue. G. Wiedeke Co. 213,340; May 25; Serial No. 209,601; published Mar. 9, 1926.
Hydraulic equipment. Hydraulic Press Manufacturing Company. 213,459; May 25.
Machinery, Creamery. Creamery Package Mfg. Company. 213,359; May 25; Serial No. 218,900; published Mar. 16, 1926.
Saw blades, Hack-. Henry G. Thompson & Son Company. 213,462; May 25.
Sweepers. Carpet. Bissell Carpet Sweeper Company. 28,616; renewed July 14, 1926.

Trimmers and crimpers. Pie. E. G. Minneman. 213,369; May 25; Serial No. 221,764; published Mar. 16, 1926.
Type plates for printing on cloth, paper, etc., knife and tool handles, typewriter parts, etc. Bakelite Corporation. 213,367; May 25; Serial No. 222,427; published Mar. 16, 1926.
Windmills and repair and replacement parts therefor. Dempster Mill Manufacturing Company. 213,320; May 25; Serial No. 225,006; published Mar. 16, 1926.

CLASS 26.

Indicators, Internal-combustion-motor heat. Pierce-Arrow Motor Car Company. 213,378; May 25; Serial No. 226,438; published Mar. 9, 1926.
Ophthalmic and other optical lenses and lens blanks, eyeglass frames, etc. Continental Optical Corporation. 213,231; May 25; Serial No. 224,957; published Mar. 9, 1926.
Ophthalmic and other optical lenses and lens blanks, eyeglass frames, etc. Continental Optical Corporation. 213,232; May 25; Serial No. 225,175; published Mar. 9, 1926.
Projecting machines for still and motion pictures and reading matter. Citron & Greenfield. 213,225; May 25; Serial No. 224,321; published Mar. 9, 1926.
Thermocouple incasing tubes. Brown Instrument Company. 213,318; May 25; Serial No. 223,364; published Mar. 9, 1926.

CLASS 27.

Jewelry, silverware, and watchcases. M. Eisenstadt Jewelry Company. 28,469; renewed June 30, 1926.

CLASS 29.

Brushes and painters dusters, Household. New Jersey Brush Company. 213,200; May 25; Serial No. 215,471; published Mar. 16, 1926.
Cloths and cloth dusters, Wiping. M. Noodelman. 213,230; May 25; Serial No. 224,879; published Mar. 16, 1926.
Hairbrushes. J. A. McCormack. 213,211; May 25; Serial No. 224,715; published Mar. 16, 1926.
Paintbrushes. Pittsburgh Plate Glass Company. 213,259; May 25; Serial No. 222,878; published Mar. 9, 1926.

CLASS 30.

Chinaware. J. R. Kittler. 213,255; May 25; Serial No. 223,528; published Mar. 9, 1926.

CLASS 31.

Refrigerators. Arlington Refrigerator Co. 213,226; May 25; Serial No. 224,444; published Mar. 9, 1926.

CLASS 32.

Cabinets or closets for housing clothing, Metal-sheathed. Haskelite Manufacturing Corporation. 213,376; May 25; Serial No. 226,356; published Mar. 9, 1926.
Chairs, settees, and tables. L. B. Newman. 213,370; May 25; Serial No. 221,499; published Mar. 16, 1926.
Furniture, Household and office. Schmieg, Hungate & Kotzian, Inc. 213,368; May 25; Serial No. 222,194; published Mar. 16, 1926.
Seat for barber chairs. Besancenez & Dale. 213,485; May 25.
Tables, Game, card, sewing, etc. W. C. Wetmore. 213,358; May 25; Serial No. 220,692; published Mar. 16, 1926.

CLASS 33.

Bottles, Glass. Taylor-Long Company. 213,185; May 25; Serial No. 224,303; published Mar. 9, 1926.
Lamp glasses and globes. Macbeth-Evans Glass Company. 213,257–8; May 25; Serial Nos. 223,130–1; published Mar. 9, 1926.

CLASS 34.

Candlesticks, lamp stands, bases, and uprights, pendants, etc. Bakelite Corporation. 213,219; May 25; Serial No. 222,429; published Mar. 2, 1926.
Heaters, Gas. S. Sproat. 213,453; May 25.
Lamp shades. Arglomaco, Inc. 213,184; May 25; Serial No. 224,225; published Mar. 2, 1926.

CLASS 35.

Belting, Leather. Detroit Oak Belting Company. 213,206; May 25; Serial No. 226,341; published Mar. 9, 1926.
Belts, Fan. Chas. A. Schieren Company. 213,364; May 25; Serial No. 216,435; published Mar. 16, 1926.
Brake and transmission linings. Durwyllan Co. 213,228; May 25; Serial No. 224,602; published Mar. 2, 1926.
Hose. F. Reddaway & Company Limited. 213,317; May 25; Serial No. 223,333; published Feb. 9, 1926.
Packing and gaskets made therefrom, Sheet water and oil. E. B. Meirath. 213,324; May 25; Serial No. 225,671; published Mar. 16, 1926.
Piston packing. Pioneer Rubber Mills. 213,371; May 25; Serial No. 207,145; published Mar. 16, 1926.
Tire patches. American Auto Supply Co. 213,328; May 25; Serial No. 225,755; published Mar. 16, 1926.
Tires and inner tubes therefor, Vehicle. Racine Horseshoe Tire Company. 213,208; May 25; Serial No. 226,021; published Mar. 9, 1926.
Tires and tire patches, Rim flaps for. Dexter Rubber Manufacturing Company. 213,352; May 25; Serial No. 225,007; published Feb. 23, 1926.
Tires and tire patches, Rim flaps for. Dexter Rubber Manufacturing Company. 213,355; May 25; Serial No. 225,008; published Feb. 23, 1926.
Tires, Repair patches for pneumatic. Fisk Rubber Company. 213,343; May 25; Serial No. 217,398; published Mar. 9, 1926.

CLASS 37.

Books, letterheads, note notices, etc., Loan systems sold to the trade as such, comprising pass. Hood Finance Corporation. 213,435; May 25; Serial No. 205,274; published Feb. 23, 1926.
Paper, Glazed, plated, and embossed paper-box-covering. Pawtucket Glazed Paper Company. 213,461; May 25.
Paper, Wrapping. Dayton Paper Novelty Co. 55,307; renewed Aug. 14, 1926.
Paper, Wrapping. Fisher Bros. Paper Co. 213,481; May 25.
Pens and pencils, Fountain. Chilton Pen Company. 213,480; May 25.

CLASS 38.

Books, Printed. Vedanta Society. 50,954; renewed Apr. 3, 1926.
Magazines and magazine articles, Periodical. H. S. Chapin. 213,287; May 25; Serial No. 225,400; published Mar. 9, 1926.
Publications, Semiannual. Ready Reference Publishing Co. 213,382; May 25; Serial No. 219,844; published Jan. 12, 1926.

CLASS 39.

Aprons, bibs, paper slippers, etc. Reliance Paper Co. 213,426; May 25; Serial No. 219,203; published Mar. 16, 1926.
Bathing suits, juvenile bathing suits, bathing shirts, etc. Peckham-Foreman Inc. 213,319; May 25; Serial No. 224,926; published Mar. 16, 1926.
Bib, Baby's. R. C. Melvin. 213,284; May 25; Serial No. 225,024; published Mar. 16, 1926.
Blanks, soles, and taps, Leather. Daniel Forbes Company. 49,792; renewed Feb. 20, 1926.
Bloomers, step-ins, vests, and princess slips. Norwich Knitting Co. 213,442; May 25; Serial No. 226,556; published Mar. 16, 1926.
Boots and shoes. International Shoe Company. 213,298; May 25; Serial No. 224,508; published Mar. 9, 1926.
Boots and shoes of leather. International Shoe Company. 213,295; May 25; Serial No. 225,609; published Mar. 2, 1926.
Boots, Leather. J. Fenton. 213,294; May 25; Serial No. 225,603; published Mar. 2, 1926.
Boots, shoes, and slippers. Beck Hazzard, Inc. 213,346; May 25; Serial No. 202,921; published Dec. 16, 1924.
Caps. A. Reinhold. 213,301; May 25; Serial No. 224,532; published Mar. 2, 1926.
Caps, Men's and boys'. A. D. Feldstein. 213,289; May 25; Serial No. 225,508; published Mar. 9, 1926.
Caps, Men's and boys. A. D. Feldstein. 213,290; May 25; Serial No. 225,509; published Mar. 2, 1926.
Clothing made from woven, knitted, netted, and textile fabrics. Wilson & Glenny, Limited. 213,428; May 25; Serial No. 218,349; published Mar. 16, 1926.
Coats and suits for small women. Wee Women, Inc. 213,489; May 25.
Coats, vests, trousers, and overcoats. B. Kuppenheimer & Co. 213,465; May 25.
Collars and cuffs. Earl & Wilson. 28,890; renewed Sept. 29, 1926.
Corsets. Jay Thorpe, Inc. 213,293; May 25; Serial No. 225,559; published Mar. 2, 1926.
Corsets, brassières, etc. Jackson Corset Company. 213,299–300; May 25; Serial Nos. 224,509–10; published Mar. 2, 1926.
Cravats, Men's. Schoenfeld Bros., Inc. 213,264; May 25; Serial No. 221,978; published Dec. 8, 1925.
Dresses. Stratford Costumes, Inc. 213,433; May 25; Serial No. 214,755; published Mar. 16, 1926.
Dresses. Stratford Costumes, Inc. 213,433; May 25; Serial No. 214,755; published Mar. 16, 1926.
Dresses and coats. Hyman & Goldston, Inc. 213,273; May 25; 218,125; published Jan. 26, 1926.
Dresses, coats, hats, etc., Women's. George Wyman & Co. 213,192; May 25; Serial No. 224,815; published Mar. 9, 1926.
Garters. De Luxe Novelty Co. 213,303; May 25; Serial No. 224,747; published Mar. 2, 1926.
Gloves, Leather. W. Stevens. 213,297; May 25; Serial No. 224,483; published Mar. 2, 1926.
Gowns, hats, lingerie, shawls, and scarfs, Women's and children's. E. K. Andrews. 213,430; May 25; Serial No. 218,095; published Mar. 16, 1926.
Hats and caps. John B. Stetson Company. 51,893; renewed Apr. 24, 1926.
Hats, Trimmed. Lyon Bros. Millinery Company. 213,350; May 25; Serial No. 212,689; published Mar. 9, 1926.

Hats, Women's. M. E. Heinrich. 213,417; May 25; Serial No. 223,579; published Mar. 9, 1926.
Hats, Women's and children's. S. Schneider. 213,420; May 25; Serial No. 222,343; published Mar. 9, 1926.
Hemstitched and plaited goods. W. H. Geisel. 213,487; May 25.
Hose supporters. Pioneer Suspender Company. 53,272; renewed May 29, 1926.
Hosiery. Bear Brand Hosiery Co. 213,345; May 25; Serial No. 184,061; published Mar. 16, 1926.
Hosiery. Bear Brand Hosiery Co. 213,347; May 25; Serial No. 184,062; published Mar. 16, 1926.
Hosiery. Bear Brand Hosiery Co. 213,421; May 25; Serial No. 221,347; published Mar. 16, 1926.
Hosiery. Ivy Corset Company. 213,302; May 25; Serial No. 224,663; published Mar. 16, 1926.
Hosiery. Philadelphia Knitting Mills Company. 213,330; May 25; Serial No. 225,379; published Mar. 16, 1926.
Hosiery. Sears, Roebuck and Co. 213,441; May 25; Serial No. 226,307; published Mar. 16, 1926.
Hosiery. State Textile Corporation. 213,288; May 25; Serial No. 223,403; published Mar. 16, 1926.
Hosiery, underwear, and sweaters, shirts, pants, and overalls for men and children. Smith, Gormly Co., Inc. 213,416; May 25; Serial No. 223,874; published Mar. 16, 1926.
Lingerie. F. D. Spruance. 213,419; May 25; Serial No. 222,412; published Mar. 16, 1926.
Overall union suits and overalls. J. B. Colvin. 213,195; May 25; Serial No. 224,903; published Mar. 2, 1926.
Overalls, jackets, play suits, and youths' overalls and jackets. Shelbyville Overall Company. 213,411; May 25; Serial No. 220,256; published Mar. 9, 1926.
Overalls, unionalls, pants, shirts, jackets, and jumpers. H. Rosenblatt & Sons, Inc. 213,197; May 25; Serial No. 224,932; published Mar 2, 1926.
Overshoes and galoshes. Converse Rubber Shoe Co. 213,286; May 25; Serial No. 225,350; published Mar. 2, 1926.
Pyjamas. Steiner & Son, Inc. 213,432; May 25; Serial No. 215,388; published Mar. 16, 1926.
Pyjamas and nightgowns, Knitted. Oak Knitting Company. 213,380; May 25; Serial No. 207,627; published Mar. 9, 1926.
Shirts. Cluett, Peabody & Co. 213,440; May 25; Serial No. 226,229; published Mar. 16, 1926.
Shirts. I. Janov & Company. 213,439; May 25; Serial No. 226,104; published Mar. 16, 1926.
Shirts, Outer dress, negligee, sport, and work. Commercial Shirt Corp. 213,418; May 25; Serial No. 222,730; published Mar. 16, 1926.
Shirts, pyjamas, and nightgowns. I. Janov and Co. 213,427; May 15; Serial No. 218,415; published Mar. 16, 1926.
Shirts, windbreakers, and lumber jacks. Grunhut & Leich. 213,476; May 25.
Shoes. J. K. Orr Shoe Company. 213,425; May 25; Serial No. 219,551; published Nov. 3, 1925.
Shoes. Sarubbi Shoes, Inc. 213,455; May 25.
Shoes, Leather. Forbush Shoe Company. 213,291; May 25; Serial No. 225,511; published Mar. 2, 1926.
Shoes, Leather. Wausau Shoe Mfg. Co. 213,351; May 25; Serial No. 210,517; published Mar. 9, 1926.
Shoes, men's hats and dress shirts. E. Goldburg. 213,431; May 25; Serial No. 217,147; published Feb. 23, 1926.
Shoes, Rubber. Boston Rubber Shoe Company. 28,076; renewed Apr. 7, 1926.
Shoes, slippers, pumps, and low quarters, Ladies' and misses'. Wolff Tober Shoe Mfg. Co. 213,285; May 25; Serial No. 225,212; published Mar. 9, 1926.
Shoes, slippers, pumps, and sandals. Williams-Marvin Company. 213,292; May 25; Serial No. 225,536; published Mar. 2, 1926.
Shoes, Tennis. Saks & Company. 213,296; May 25; Serial No. 225,619; published Mar. 16, 1926.
Shoes, Women's. Roth Shoe Mfg. Company. 213,353; May 25; Serial No. 215,270; published Mar. 16, 1926.
Socks and stockings, Boys' and girls'. Dr. A. Posner Shoes, Inc. 213,484; May 25.
Stockings, Children's. C. Sarfert. 213,444; May 25; Serial No. 226,918; published Mar. 16, 1926.
Suits, Bathing. Hercules Knitting Co. 213,329; May 25; Serial No. 225,424; published Mar. 16, 1926.
Suits, coats, trousers, overcoats, and raincoats, Men's and boys'. Zurkow & Son, Incorporated. 213,443; May 25; Serial No. 226,757; published Mar. 16, 1926.
Suits, overcoats, bath robes, and lounging robes, Boys'. R. H. Macy & Co. 213,328; May 25; Serial No. 225,565; published Mar. 16, 1926.
Suits, topcoats, and overcoats. Paul Kaminsky & Co. 213,490; May 25.
Underwear, coats, pyjamas, and nightgowns, Knitted. Oak Knitting Company. 213,246; May 25; Serial No. 207,626; published Mar. 9, 1926.
Underwear for men and boys. Collegian Underwear Co. 213,429; May 25; Serial No. 218,292; published Mar. 16, 1926.
Underwear, Ladies' textile-fabric. Chas. A. Kupferman Co. 213,322; May 25; Serial No. 224,872; published Mar. 16, 1926.
Underwear of textile fabric, hosiery, sweaters, and bathing suits. Dixie Underwear Co. 213,357; May 25; Serial No. 221,099; published Mar. 16, 1926.
Union suits, Children's. Marshall Field & Company. 213,438; May 25; Serial No. 226,051; published Mar. 16, 1926.

CLASS 40.

Embroidery and embroidery yarn. F. Schulemann. 27,932; renewed Mar. 10, 1926.

CLASS 42.

Blanket, Sleeping. B. B. Tucker. 213,194; May 25; Serial No. 224,846; published Mar. 9, 1926.
Cotton damask. Rosemary Manufacturing Company. 54,211; renewed June 19, 1926.
Cotton damask. Rosemary Manufacturing Company. 56,147; renewed Aug. 28, 1926.
Cotton duck. Mount Vernon-Woodberry Cotton Duck Company. 49,774; renewed Feb. 13, 1926.
Cotton piece goods. Syndicate Trading Co. 213,199; May 25; Serial No. 225,326; published Mar. 9, 1926.
Cotton piece goods. American Printing Company. 213,478; May 25.
Fabrics. John B. Ellison & Sons. 213,250; May 25; Serial No. 214,788; published Mar. 9, 1926.
Fabrics. John B. Ellison & Sons. 213,271; May 25; Serial Nos. 216,890–1; published Mar. 9, 1926.
Fabrics. John B. Ellison & Sons. 213,272; May 25; Serial No. 216,968; published Mar. 9, 1926.
Fabrics. John B. Ellison & Sons. 213,275–6; May 25; Serial Nos. 216,890–1; published Mar. 9, 1926.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 213,202; May 25; Serial No. 225,548; published Mar. 9, 1926.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 213,422–3; May 25; Serial Nos. 220,755–6; published Mar. 16, 1926.
Fabrics made from wool, worsted, cotton, or mixtures thereof. John B. Ellison & Sons. 213,243–4; May 25; Serial Nos. 216,893–4; published Mar. 9, 1926.
Goods and novelties, Fancy. Miller & Goldsmith. 213,263; May 25; Serial No. 222,390; published Mar. 9, 1926.
Rugs, Grass. Deltox Rug Company. 213,445; May 25.
Rugs, Textile. Breslin Bros. Co. 213,190; May 25; Serial No. 224,742; published Mar. 9, 1926.
Sheets and pillowcases. H. W. Baker Linen Company. 213,473; May 25.
Shirtings and sheetings. Wamsutta Mills. 28,583; renewed July 14, 1926.
Silk, artificial silk, cotton, or combination in the piece. Ullman-Levinthal Silks Corporation. 213,191; May 25; Serial No. 224,790; published Mar. 9, 1926.
Silk knitted fabric, Artificial-. N. Halperin. 213,349; May 25; Serial No. 208,703; published Mar. 16, 1926.
Silk knitted fabric, Artificial-. N. Halperin. 213,434; May 25; Serial No. 208,705; published Mar. 16, 1926.
Wool cloth. S. Stroock & Co. 213,245; May 25; Serial No. 211,389; published Mar. 9, 1926.

CLASS 43.

Thread, knitting wool, and artificial threads. Cotton. Gudebrod Bros. Silk Co. 213,268; May 25; Serial No. 221,177; published Mar. 9, 1926.
Threads of all kinds. Jonathan Harris & Sons Ltd. 27,727; renewed Feb. 4, 1926.
Yarns. Duplan Silk Corporation. 213,182; May 25; Serial No. 226,346; published Mar. 9, 1926.

CLASS 44.

Arch supports. Ohio Truss Company. 213,407; May 25; Serial No. 210,683; published Mar. 9, 1926.
Atomizers, Perfume. Lorna Manufacturing Co. 213,401; May 25; Serial No. 225,124; published Mar. 9, 1926.
Atomizers, Perfumery. Franklin Simon & Co. 213,464; May 25.
Bandages. Johnson & Johnson. 213,391; May 25; Serial No. 225,882; published Mar. 9, 1926.
Electromechanical device, Audition Corporation. 213,398; May 25; Serial No. 225,251; published Mar. 9, 1926.
Lamps, Therapeutic. Frank S. Betz Company. 213,403; May 25; Serial No. 225,160; published Mar. 9, 1926.
Serviettes. Thomas Products, Inc. 213,332–7; May 25; Serial Nos. 223,816–21; published Mar. 16, 1926.
Serviettes. Thomas Products. 213,375; May 25; Serial No. 223,815; published Mar. 16, 1926.
Syringes, Rubber. Superior Hard Rubber Company. 213,363; May 25; Serial No. 214,980; published Mar. 16, 1926.
Therapeutic apparatus, Electrical. E. R. V. Corporation. 213,412; May 25; Serial No. 221,245; published Mar. 9, 1926.
Water bottles, ice caps, ice bags, etc., Rubber. S. B. Bonis. 213,408; May 25; Serial No. 223,500; published Mar. 9, 1926.

CLASS 45.

Beverage, Tonic. C. D. Bradham. 55,199; renewed Aug. 7, 1926.
Beverages, Nonalcoholic maltless. P. S. Carney. 213,471; May 25.
Beverages, Nonalcoholic tonic. C. D. Bradham. 51,959; renewed May 1, 1926.
Beverages sold as soft drinks. Schweickert & Baas, Inc. 213,229; May 25; Serial No. 224,730; published Mar. 16, 1926.

Ginger ale and sirup for making the same. Joseph Battaglino & Sons. 213,306; May 25; Serial No. 218,894; published Mar. 16, 1926.
Ginger ale and sirup for making the same. John Todd, Inc. 213,482; May 25.
Root-beer sirup and root beer made from such sirup. Richardson Corporation. 213,233; May 25; Serial No. 225,203; published Mar. 16, 1926.

CLASS 46.

Alfalfa meal. Denver Alfalfa Milling & Products Co. 213,321; May 25; Serial No. 225,222; published Mar. 9, 1926.
Apples and pears, Fresh. A. P. Bakich. 213,307; May 25; Serial No. 220,989; published Mar. 16, 1926.
Apples and pears, Fresh. D. R. Hill. 213,362; May 25; Serial No. 216,907; published Feb. 23, 1926.
Apples, Fresh. Maynard & Child. 213,210; May 25; Serial No. 224,522; published Mar. 16, 1926.
Bakers' products and confectionery and medicated candy. American Biscuit and Manufacturing Co. 28,777; renewed Aug. 18, 1926.
Biscuits, crackers, and cereal foods. Shredded Wheat Company. 213,456; May 25.
Bonbons, Effervescing lemonade. W. Jentzsch. 213,205; May 25; Serial No. 224,190; published Mar. 16, 1926.
Bread. E. Graf. 213,454; May 25.
Bread. Power City Baking Company. 213,304; May 25; Serial No. 225,316; published Mar. 9, 1926.
Breads, cakes, pies, and rolls. J. Ottenberg. 213,477; May 25.
Butter. V. A. Schulze. 213,365; May 25; Serial No. 212,508; published Mar. 9, 1926.
Cake. Carolina Baking Company. 213,360; May 25; Serial No. 218,792; published Mar. 9, 1926.
Candies. William McMurray and Company. 213,248; May 25; Serial No. 201,249; published Mar. 9, 1926.
Candy. American Licorice Company. 213,254; May 25; Serial No. 223,832; published Mar. 9, 1926.
Candy. H. Helstrom. 213,240; May 25; Serial No. 218,966; published Mar. 16, 1926.
Candy. I. Kosloff and Sons. 213,223; May 25; Serial No. 224,098; published Mar. 16, 1926.
Candy. F. M. Switzer. 55,838; renewed Aug. 21, 1926.
Candy. Tru-Blu Biscuit Company. 213,404; May 25; Serial No. 224,583; published Mar. 16, 1926.
Candy attached to sticks. John F. Birkmeyer & Sons. 28,717; renewed Aug. 4, 1926.
Candy bar. Wilkes-Barre Maid Candy Company. 213,491; May 25.
Canned comminuted meats, sandwich spread, etc. Libby, McNeill & Libby. 213,217; May 25; Serial No. 225,612; published Mar. 16, 1926.
Canned corn. Minnesota Valley Canning Company. 213,457; May 25.
Canned fruits, vegetables, and berries. Fennville Canning Co. 213,414; May 25; Serial No. 221,247; published Mar. 9, 1926.
Canned fruits, vegetables, and fish, fruit preserves, peanut butter, etc. Durand-McNeil-Horner Co. 213,283; May 25; Serial No. 191,818; published Mar. 9, 1926.
Canned, smoked, salted, and fresh sea foods. General Seafoods Corporation. 213,415; May 25; Serial No. 225,117; published Mar. 9, 1926.
Canned soups. American Oyster Co. 213,377; May 25; Serial No. 226,461; published Mar. 16, 1926.
Canned vegetables. West Salem Canning Co. 213,238; May 25; Serial No. 220,053; published Mar. 16, 1926.
Canned vegetables. West Salem Canning Company. 213,392; May 25; Serial No. 225,853; published Mar. 16, 1926.
Canned vegetables, fruits, and fish. Adams & Sons Grocer Company. 213,344; May 25; Serial No. 169,268; published Mar. 6, 1926.
Chocolate and cocoa. Ljungs Choclad- & Cacao-Fabrik. 213,348; May 25; Serial No. 209,929; published June 30, 1925.
Chocolate, cocoa, and sweet chocolate. W. H. Baker. 51,012; renewed Apr. 3, 1926.
Coffee and candy. P. J. Livadary. 213,310; May 25; Serial No. 221,324; published Mar. 9, 1926.
Durum semolina. Broenniman Company, Inc. 213,436; May 25; Serial No. 225,765; published Mar. 9, 1926.
Eggs, butter, cheese. E. Lebers. 213,374; May 25; Serial No. 199,633; published Aug. 19, 1924.
Extracts, Malt. J. Klein. 213,393; May 25; Serial No. 225,665; published Mar. 9, 1926.
Figs, fig preserves, pickled figs, Dried and canned. D. Kempton. 213,274; May 25; Serial No. 218,817; published Mar. 9, 1926.
Fish, Salted and boneless. J. W. Beardsley's Sons. 28,690; renewed July 28, 1926.
Flour, Wheat. H. D. Lee Flour Mills Company. 213,326–7; May 25; Serial Nos. 225,720–1; published Mar. 9, 1926.
Flour, Wheat. Larabee Flour Mills Corporation. 213,424; May 25; Serial No. 220,544; published Mar. 9, 1926.
Flour, Wheat. Mohns-Frese Commercial Company. 54,381; renewed June 26, 1926.
Flour, Wheat. National Milling Company. 213,325; May 25; Serial No. 225,672; published Mar. 9, 1926.
Flour, Wheat. Sperry Flour Company. 213,356; May 25; Serial No. 221,286; published Mar. 9, 1926.
Flour, Wheat. Washburn Crosby Company. 28,450; renewed June 23, 1926.
Food, Bird. Burnett's Inc. 213,437; May 25; Serial No. 225,768; published Mar. 9, 1926.
Food for infants and invalids. E. E. Clark. 213,474; May 25.
Fruit, Fresh citrous. Strathmore Fruit Growers Association. 213,316; May 25; Serial No. 223,058; published Mar. 16, 1926.
Fruits and vegetables, Fresh. Denney & Co. 213,251; May 25; Serial No. 214,404; published Mar. 9, 1926.
Fruits and vegetables, Fresh. Denney & Co. 213,252; May 25; Serial No. 214,402; published Mar. 9, 1926.
Grapefruit, satsumas, tangerines, etc. Texas Citrus Fruit Growers Exchange. 213,308; May 25; Serial No. 221,145; published Mar. 16, 1926.
Grapefruit, satsumas, tangerines, etc. Texas Citrus Fruit Growers Exchange. 213,309; May 25; Serial No. 221,291; pubished Mar. 16, 1926.
Grapefruit, satsumas, tangerines, oranges, and lemons. Texas Citrus Fruit Growers Exchange. 213,237; May 25; Serial No. 221,289; published Mar. 16, 1926.
Grapefruit, tangerines, oranges, etc. Texas Citrus Fruit Growers Exchange. 213,236; May 25; Serial No. 221,290; published Mar. 16, 1926.
Grapes, Fresh. Maljan Fruit Company. 213,262; May 25; Serial No. 222,623; published Mar. 9, 1926.
Grapes, Fresh. G. N. Young. 213,267; May 25; Serial No. 221,400; published Mar. 9, 1926.
Ice cream and butter. W. R. Meier. 213,458; May 25.
Mayonnaise, catchup, chili sauce, olives, etc. Alden Products Company. 213,450; May 25.
Milk, buttermilk, and cream. B B Milk Company. 213,372; May 25; Serial No. 223,112; published Mar. 9, 1926.
Oranges, lemons, grapefruit. Corona Citrus Association. 213,241; May 25; Serial No. 217,761; published Mar. 9, 1926.
Oranges, lemons, grapefruit. Walnut Fruit Growers Association. 213,305; May 25; Serial No. 217,434; published Mar. 16, 1926.
Pork tenderloins, Smoked. Jacob Forst Packing Company. 213,201; May 25; Serial No. 214,543; published Mar. 16, 1926.
Potatoes. William Chase & Co. 213,235; May 25; Serial No. 225,551; published Mar. 16, 1926.
Pretzels. H. K. Anderson. 213,449; May 25.
Pretzels. A. L. Krouse. 213,373; May 25; Serial No. 222,466; published Mar. 9, 1926.
Rice, canned fish and oysters, fruit, preserves, etc. Minnesota Mercantile Co. 213,282; May 25; Serial No. 192,539; published Mar. 9, 1926.
Scrappie. T. Harris. 52,978; renewed May 22, 1926.
Sild, bristling, and herrings. Aktieselskabet Hvistendahl & Werring Limited. 213,381; May 25; Serial No. 209,016; published Mar. 16, 1926.
Sirup, Malt. S. L. Goldman. 213,247; May 25; Serial No. 205,409; published Mar. 9, 1926.
Sirups, Malt A. A. Jung. 213,413; May 25; Serial No. 221,553; published Mar. 9, 1926.
Tamales (canned). E. N. Stidd. 213,448; May 25.
Tea. P. C. Larkin. 28,962; renewed Oct. 6, 1926.
Tea, coffee, cocoa, etc. A. S. Chamberlain. 213,410; May 25; Serial No. 224,955; published Mar. 9, 1926.
Tomatoes, celery, cauliflower, and grapes, Fresh. Glore & Rick. 213,204; May 25; Serial No. 226,353; published Mar. 16, 1926.
Vanilla compound and fruit sirup. Dahl Brothers, Incorporated. 213,379; May 25; Serial No. 207,344; published Mar. 9, 1926.
Yerba mate. La Industrial Paraguaya S. A. 213,265; May 25; Serial No. 221,748; published Mar. 9, 1926.

CLASS 48.

Beverage, Cereal malt. New England Brewing Co. 213,242; May 25; Serial No. 217,413; published Mar. 9, 1926.
Beverages, Pure culture or ferment employed in the production of cereal. M. Wahl. 213,227; May 25; Serial No. 224,586; published Mar. 16, 1926.
Malt beverage, Cereal. New England Brewing Co. 213,402; May 25; Serial No. 225,131; published Mar. 16, 1926.
Malt extracts. English Diastasic Malt Extract Company. 28,711; renewed Aug. 4, 1926.
Malt extracts and malt and hop extracts. G. & E. Trading Corp. 213,239; May 25; Serial No. 219,391; published Mar. 16, 1926.

CLASS 49.

Brandies, liquors, punches, etc. Egon Braun Aktiengesellschaft. 213,222; May 25; Serial No. 223,693; published Mar. 16, 1926.

CLASS 50.

Leather cloth. Storey Brothers & Company. 213,266; May 25; Serial No. 221,723; published Feb. 16, 1926.
Mats made of rubber products and fabrics, Foot. Pierce-Arrow Motor Car Company. 213,253; May 25; Serial No. 212,400; published Mar. 2, 1926.
Tents and awnings. Williams Tent & Awning Co. Inc. 213,207; May 25; Serial No. 224,486; published Feb. 16, 1926.

ALPHABETICAL LIST OF LABELS.

Crescent Dairy Butter. For Butter. Menasha Printing and Carton Company. 30,381; May 25.
Dr. A. B. Carter's World Famous Bunion Remedy. For a Medicinal Preparation. Dr. A. B. Carter. 30,378; May 25.
Ever-Seal. For Automobile Tire Patches. Lightning Manufacturing Co. 30,380; May 25.
Frisch Process. For Bread. E. Frisch. 30,376; May 25.
Handy Craft—The Modern Toy For The Modern Boy Set No. 3. For Mechanical-Toy Construction Units. Hart & Cooley Company. 30,377; May 25.
Kiddie Pack. For Candy. Foster & Orear. 30,375; May 25.
Kook-Rite. For Macaroni Elbows. Cumberland Macaroni Mfg. Company. 30,374; May 25.
Leach's Foot Relief. For Foot Powder. J. W. Leach. 30,379; May 25.
$1000.00 Guaranteed Fly Killer. For a Preparation in Liquid Form. For Killing Flies. B. Heller & Company. 30378; May 25.
Rowntree's Chu-Frus. For Candy and Cough Drops. Rowntree and Company. 30,382; May 25.
Smi-Lax Tonic And Laxative Compound. For a Medicinal Preparation. L. Smith. 30,383; May 25.
Smucker's Pure Apple Pectin Strawberry Jelly. For Jelly in Packages. J. M. Smucker Co. 20,384; May 25.
Triner's. For Triner's American Elixir of Bitter Wine. Joseph Triner Company. 30,385; May 25.

ALPHABETICAL LIST OF PRINTS.

Among Your Summer Plans. For Athletic Underwear. B. V. D. Company. 8,840; May 25.
An Effective Treatment For Colic. For Wheat Breakfast Food. Cream of Wheat Co. 8,841; May 25.
A Story Of Success For Man And Town. For Groceries. Reid, Murdoch & Co. 8,846; May 25.
Battle Creek Pure Food Coffee. For Coffee. G. T. Alter. 8,839; May 25.
"Have A Camel" No Cigarette Satisfies the Taste Like A Camel. For Cigarettes. R. J. Reynolds Tobacco Company. 8,855; May 25.
"Have A Camel" No Other Cigarette Like This Was Ever Made. For Cigarettes. R. J. Reynolds Tobacco Company. 8,856; May 25.
"Have A Camel" These Words Are First Call To The World's Finest Smoke. For Cigarettes. R. J. Reynolds Tobacco Company. 8,854; May 25.
In L'Opera Francaise. For Stationery. Eaton, Crane & Pike Company. 8,842; May 25.
Loose Pillow Arm Aristocrat. For Davenports. Jamestown Upholstery Co. Inc. 8,845; May 25.
The John Bunny Chair. For Chairs. Jamestown Upholstery Co. Inc. 8,843; May 25.
The Shrine Of The Home. For Upholstered Furniture. Jamestown Upholstery Co. Inc. 8,844; May 25.
Tongue, Be Happy! For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,851; May 25.
When It's Christmas Eve—. For Cigarettes. R. J. Reynolds Tobacco Company. 8,847; May 25.
When The Orchestra Stops Its Surge Of Music—. For Cigarettes. R. J. Reynolds Tobacco Company. 8,848; May 25.
When The First Glorious Day Of Golf Is Over—And The Final Putt Sinks In The 18th Cup. For Cigarettes. R. J. Reynolds Tobacco Company. 8,852; May 25.
When The Straight-8 Blows A Shoe. For a Smoking Tobacco. R. J. Reynolds Tobacco Company. 8,853; May 25.
When Winter's Snow Is Falling Outside—. For Cigarettes. R. J. Reynolds Tobacco Company. 8,849; May 25.
When You Entertain At Home—. For Cigarettes. R. J. Reynolds Tobacco Company. 8,850; May 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Bluefield Coal & Coke Company. 227,564; May 25.
Coal. William Kaough Coal Company. 192,076; May 25.
Foxes, Live. Maeser Fur Farms Inc. 227,240; May 25.
Hops. E. Clemens Horst Co. 227,631; May 25.
Stocks, seeds, plants, bulbs, etc., Nursery. W. C Schwartz. 228,201; May 25.

CLASS 2.

Tanks, Air-compressor. Champion Pneumatic Machinery Company. 227,936; May 25.

CLASS 3.

Hoof pads. Dryden Rubber Company. 216,161; May 25.

CLASS 4.

Cleaner, Liquid. J. D. Allan. 226,272; May 25.
Cleaning and scouring preparations. Gates Chemica Company. 228,537; May 25.
Composition for cleaning fabrics, Chemical. B. Willbanks. 183,617; May 25.
Soaps. Parfumerie Roger et Gallet. 228,768; May 25.
Soaps. Parfumerie Roger et Gallet. 228,770; May 25.
Soaps. Parfumerie Roger et Gallet. 229,402; May 25.

CLASS 5.

Paste, Sizing for walls to be mixed in paper-hangers' Selvasize Company. 228,568; May 25.

CLASS 6.

Alcohol, Substitute for. Chemical Solvent Co. 230,086; May 25.
Ammonia. Frank E. Harris Co. Inc. 224,397; May 25.
Compound, bitters, cough sirup, etc., White-pine and tar. S. B. Goff & Sons Co. 229,623; May 25.
Cream for the complexion and astringent lotion. Artesia Cream Company. 229,771; May 25.
Creams, packs, powders, perfumes, toilet waters, etc., Face. H. A. Skinner. 230,360; May 25.
Dandruff remover and hair tonic. M. Dziadulewicz. 229,221; May 25.
Dyes of the pyridine series, Azo. Pyridium Corporation. 229,817; May 25.
Face powders, face creams, face packs, smelling salts, lip sticks, etc. Truvy, Inc. 229,762; May 25.
Fibrous material treated with a facial paste. Freshie Co. Inc. 227,646; May 25.
Insect repellent. C. L. Hoyt. 229,234; May 25.
Insecticides. A. W. Winter. 230,435; May 25.
Lotion, Skin. B. C. Reeder. 228,866; May 25.
Medical ointment. Desitin Chemical Co. 229,949–50; May 25.
Medicinal digestive deodorant and corrective. Bio-Labro Products, Inc. 230,222; May 25.
Medicinal preparation. Kennedy Products Co. 228,854; May 25.
Medicine. Mrs. A. E. Murrmann. 229,401; May 25.
Medicine for the treatment of blood, liver, and kidney diseases. H. E. Dorsey. 224,538; May 25.
Oil, Cod-liver. Scott & Bowne. 205,493; May 25.
Oil concentrate to be used in gasoline. W. C. Black. 226,879–80; May 25.
Oil, Tasteless cod-liver. S. E. Roll. 229,590; May 25.
Ointment, Healing. A. Brandt. 227,712; May 25.
Ointment, Healing. O. Probst. 228,865; May 25.
Ointments, lotions, powders, and blood medicine. National College of Health Company, Limited. 225,234; May 25.
Pastes and powders and perfumery. Parfumerie Roger et Gallet. 228,438; May 25.
Perfume and toilet water. Rizik Bros. 229,752; May 25.
Perfumes, toilet lotions, hair tonic, face powder, etc. Estate Henry C. Miner, Inc. 222,923; May 25.
Perfumes, toilet water, face powder, brilliantine, etc. Oriza L. Legrand, Inc. 229,802; May 25.
Perfumes, toilet water, face powder, etc. S. S. Pierce Co. 229,642; May 25.
Perfumery. Societe Parisienne d'Essences Rares et de Parfums. 228,621; May 25.
Pharmaceutical preparations. Organs Restorative Food Corporation. 229,978; May 25.
Powders, toilet waters, rouge, lip stick, Face. Frankel & Smith Inc. 229,280; May 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preparation for rheumatism, Liquid and pill. Williams and Walker. 227,149; May 25.
Pseudodiaminopyridineazophenylorthocarbonic acid, its normal isomer, and the alkaline salts of the normal acids. Pyridium Corporation. 229,816; May 25.
Salve, blood tonic and purifier, castor oil, laxatives, etc. Perry G. Mason Company. 229,240; May 25.
Salve for treating the hair, Hair. J. A. Rogers. 229,931; May 25.
Solution for preserving citrous fruits. Zeltrocide Chemical Corporation. 230,373; May 25.
Suppositories, Vaginal. G. H. Somers. 228,146; May 25.
Tablets, Medicinal. Antikamnia Remedy Company. 222,102; May 25.
Tonic, General. H. C. Anderson. 227,496; May 25.

CLASS 9.

Ammunition. Remington Arms Company. 230,263; May 25.
Firecrackers. Unexcelled Manufacturing Company. 228,507; May 25.
Matches. General Match Company. 218,697; May 25.

CLASS 11.

Ink in paste form, Printing. American Crayon Company. 204,535; May 25.

CLASS 12.

Coating for walls. Toch Brothers, Incorporated. 228,575; May 25.
Roofing slate. Vendor Slate Company. 228,509; May 25.
Surface-coating waterproofing materials, Liquid and plastic. Storm Waterproofing Corporation. 227,152; May 25.

CLASS 13.

Tiles, Metal. Hygienic Wire Works Ltd. 228,542; May 25.
Wire cloth. New Jersey Wire Cloth Co. 192,784; May 25.

CLASS 14.

Steel, Cold-rolled flat strip. Stanley Works. 227,145; May 25.

CLASS 15.

Gasoline. W. G. Black. 219,656–7; May 25.
Gasoline. Goodwin Brothers Automobile Company. 226,052; May 25.
Gasoline. Sinclair Refining Company. 229,595; May 25.
Gasoline, lubricating oils and greases. Dutch Mill Oil and Service Co. 229,903; May 25.
Naphtha, gasoline, and benzine. Vacuum Oil Company. 230,368; May 25.
Oils and greases, Lubricating. Galena-Signal Oil Company, of Texas. 229,176; May 25.
Oils and greases, Lubricating. O'Neil Oil & Paint Co. 205,706; May 25.
Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 228,064; May 25.
Oils, Lubricating. Cities Service Oil Company. 230,384; May 25.
Petroleum, oil, gasoline, kerosene, etc., Crude. Dutee W. Flint Oil Co. 223,705; May 25.

CLASS 16.

Coatings for the inside of boiler drums, etc., Protective. Dumpney Company of America. 191,754; May 25.
Colors, dry and ready-mixed paints, Prepared. Fry Art Co. 228,536; May 25.
Lacquer. Egyptian Lacquer Manufacturing Company. 215,456; May 25.
Lacquers. United States Gutta Percha Paint Company. 230,432; May 25.
Naphtha, Painters'. Sayre Oil & Refining Co. 224,155; May 25.
Paint, Barn. Stewart Paint Mfg. Co. 228,947; May 25.
Paint, Ready-mixed. Gilbert Spruance Company. 229,622; May 25
Paints, Ready-mixed. Geo. D. Wetherill & Co. 212,766; May 25.

CLASS 17.

Cigars. H. H. Anderson. 229,370; May 25.
Tobacco, Twist. Roth Tobacco Co. 229,252; May 25.

CLASS 19.

Automobiles, Coverings for floor-board openings in. Crawford Manufacturing Co. 222,731; May 25.

CLASS 21.

Electric domestic flatirons, laundry irons, tailor irons, etc. Edison Electric Appliance Company. 211,909; May 25.
Electrically-illuminated automobile lamps. Kay Bee Manufacturing Co. 228,249; May 25.
Loud speakers. Freed-Eisemann Radio Corporation. 228,183; May 25.
Plugs, angle two-way plugs, angle three-way convenience taps, etc., Straight two-way. Reynolds Spring Company. 222,483; May 25.
Radio apparatus, Sound-amplifying horns for use with. Reichmann Company. 213,736; May 25.
Radiobatteries. Enco Electric Nov. Co. Inc. 227,781; May 25.
Radio receiving sets and parts thereof, radio battery eliminators, and wall sockets. L. T. Paulson. 226,678; May 25.
Radiotubes. Ray Thomas, Inc. 226,975; May 25.
Wires, cables, jacks, plugs, fixed condensers, etc. T. C. Deutschmann. 227,039; May 25.

CLASS 22.

Dolls. M. J. Frank & Company. 229,224; May 25.
Fishing lines. United States Whip Company. 226,578; May 25.
Game of chance. S. C. Newnes. 227,184; May 25.
Game played with puzzle cards, Board. Parker Brothers. 226,736; May 25.
Golf balls. R. H. Macy & Co. 229,045; May 25.
Life preservers. H. C. Gibson. 211,929–30; May 25.
Sleds. American Steel Ladder Co. 229,264; May 25.
Toys, Novelty. I. H. Fishelov. 228,099; May 25.

CLASS 23.

Automobile foot accelerators. Blackhawk Mfg. Co. 229,320–1; May 25.
Axes, hatchets, and hammers. Kelly Axe & Tool Co. 227,019; May 25.
Card clothing. Wickwire Spencer Steel Company. 226,703; May 25.
Conveyers and material elevators. Chain Belt Company. 226,184; May 25.
Drilling machines, Metal-. Cincinnati Bickford Tool Company. 215,294; May 25.
Elevators, Lumber. Monroe Corporation. 229,351; May 25.
Engines, Fuel-saving device for internal-combustion. Klein Manufacturing Company. 227,523; May 25.
Files. United Shoe Machinery Corporation. 230,141; May 25.
Hammers. Kelly Axe & Tool Company. 222,073; May 25.
Hammers, Carpenters' polished claw. Evansville Tool Works, Inc. 227,990; May 25.
Machine knives. R. J. Dowd Knife Works. 228,094; May 25.
Machinery and parts thereof, Cigar-making. International Cigar Machinery Company. 229,235; May 25.
Machinery; steam, gasoline, and internal combustion locomotives; tractors, etc. N. W. Maxwell. 202,880; May 25.
Machines for cutting key seats. E. A. Grenelle. 230,336; May 25.
Mailing marking machines. Red Star Appliances, Inc. 229,705; May 25.
Metal molds, compressed-air machines, and machines for making concrete blocks. B. Tourison. 216,649; May 25.
Razor blades, Safety-. J. U. Koree. 227,238; May 25.
Safety-razor blades. Gillette Safety Razor Company. 228,311; May 25.
Sewing machines. Delta Manufacturing Company. 227,264; May 25.
Vending machines. Handy Distributing Corporation. 229,960; May 25.
Vending machines, Coin-controlled. L. C. Manning. 223,398; May 25.

CLASS 24.

Iron machines and attachments. Vulcan Manufacturing Company. 229,366; May 25.

CLASS 26.

Calculating machines and calculating-machine casings. C. W. Prewett. 183,593; May 25.
Indicators, Static-hardness. Shore Instrument & Mfg. Co. 224,432; May 25.
Lamp-house structures. Griffin & Bowen, Inc. 227,836; May 25.
Papers and films, Sensitized. Typon Reflex Paper Co. Inc. 224,885; May 25.
Pictures, Moving. Columbia Pictures Corporation. 228,647; May 25.
Sorting, packaging, counting, and handling machines, Coin. Pneumatic Scale Corporation, Limited. 222,135; May 25.
Taximeters, speedometers, measuring instruments, etc. F. W. G. Bruhn. 226,882; May 25.

CLASS 27.

Clock and watch movements. Sussfeld, Lorsch & Schimmel. 229,409; May 25.
Watches. H. Goldstein. 227,302; May 25.
Watches. A. Wittnauer Co. 207,482; May 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 28.

Sterling-silver flatware, hollow ware, toilet ware, and silver-plated flatware. Alvin Silver Co. 219,023; May 25.

CLASS 29.

Brushes. Star Brush Manufacturing Co. 214,187; May 25.
Floor covering of fibrous material impregnated with oil Cappel Furniture Co. 230,382; May 25.
Scraping and brushing implements, Butchers' block. G. W. Stein. 211,720; May 25.

CLASS 32.

Bed springs, Coil-protecting devices for. Benedict Metal Works, Inc. 228,354; May 25.
Trays, Service. Hardware Specialties Manufacturing Co. 228,240; May 25.

CLASS 34.

Stove dampers and spindles therefor. Stover Manufacturing & Engine Co. 227,921; May 25.

CLASS 35.

Tires, Automobile. Frank & Seder Inc. 214,205; May 25.

CLASS 36.

Banjos, banjo ukuleles, drums, cymbals, etc. Peates Music House, Incorporated. 225,487; May 25.
Harmonicas and accordions, Mouth. M. Hohner, Inc. 229,180; May 25.
Music rolls for automatic or player pianos. Deluxe Reproducing Roll Corporation. 228,363; May 25.
Musical instruments and supplies. Polly Portable Phonograph Co. 219,690–1; May 25.
Phonographs, Diminutive. Plaza Music Co. 217,955; May 25.
Violin bows. Fred. Gretsch Mfg. Co. 229,732; May 25.

CLASS 37.

Envelopes, Mailing. Field-Ernst Envelope Company. 228,532; May 25.
Papers, Bond and ledger. F. Squier. 226,605; May 25.

CLASS 38.

Books, pamphlets, catalogues, membership cards, etc., Printed. J. S. Bridges. 229,722; May 25.
Magazine. Experimenter Publishing Company. 229,095; May 25.
Magazine. Gipsy Trail Camp and Country Club, Inc. 212,918; May 25.
Magazine. Publishers Fiscal Corp. 229,446; May 25.
Magazine, Monthly. MacFadden Publications Incorporated. 229,973; May 25.
Magazine section. Conde Nast Publications, Inc. 230,018; May 25.
Magazines, Monthly. The Magazine Builders, Inc. 225,481; May 25.
Newspaper articles, Heading for. Akron Times Publishing Company. 211,562–3; May 25.
Newspaper, Monthly trade. R. M. Wood. 230,067; May 25.
Newspaper, Weekly. Independent Publishing Co. 226,546; May 25.
Paintings, Facsimile oil. S. Franklin & Co. 230,292; May 25.
Periodical. National Service Bureau of New York, Inc. 229,518; May 25.
Publication, Monthly. G. E. Magnuson. 229,867; May 25.
Publication, Monthly. Outdoor Advertising Association of America, Inc. 230,044; May 25.
Publication, Periodical. Stewart-Warner Speedometer Corporation. 230,054–6; May 25.

CLASS 39.

Boots, shoes, and slippers. Thomas G. Plant Company. 229,050; May 25.
Coats, dresses, gowns, wraps, waists, and hats. Miss Holland. 230,296; May 25.
Coats, Sport. E. L. Greene Knitting Mills, Inc. 225,606; May 25.
Coats, wraps, suits, dresses, and shirts, Ladies'. William A. Badger & Co. 230,215; May 25.
Collars, Soft. Tuteiman & Kohn. 227,816; May 25.
Dresses and coats, Feminine. A. J. Watson & Co. 218,533; May 25.
Dresses and lingerie. C. F. Sackett. 228,485; May 25.
Dresses, Women's. S. Kann Sons Company. 230,245; May 25.
Hats and caps, Protective. E. W. Bullard. 228,742; May 25.
Hats, Ladies', misses', and children's. Edward I. Haft & Co. 228,851; May 25.
Hosiery. Bear Brand Hosiery Co. 227,873; May 25.
Hosiery. Campbell Knitting Mills. 225,646; May 25.
Hosiery and underwear. Enterprise & Century Undergarment Co. 228,418; May 25.
Neckties. S. Presberger. 226,602; May 25.
Overalls and work clothes. J. C. Penney Company. 229,128; May 25.
Petticoats, slips, and bloomers, Silk. V. L. Sussberg. 227,147; May 25.
Rompers, Baby. A. F. Jagoe. 229,443; May 25.
Shirts, English-broadcloth dress shirts, and cotton hose. Blue-chambray work. Eastern Commission Company. 206,772; May 25.
Shoes, Boys'. Gerberich Payne Shoe Company. 229,383; May 25.
Shoes, Men's. Bob Fulton Shoe Company. 229,556; May 25.
Suits, coats, sweaters, and hats, Women's and misses'. Bonwit Teller & Co. 228,294; May 25.
Suits, overcoats, topcoats, vests, and trousers. Henry Sonneborn Company. 229,286; May 25.
Suits, shirts, underwear, bathing suits, etc., Men's D'Andrea Brothers, Inc. 224,655; May 25.
Underwear and infants' wrappers. Shorewood Mills. 227,968; May 25.
Underwear, drawers, tights, vests, union suits, and corsets. Chas. A. Stevens & Bros. 221,288; May 25.
Underwear of textile fabric, Ladies'. G. Goetze, née Evers. 227,739; May 25.
Underwear, Women's, misses', and children's silk knitted. Van Raalte Co. Inc. 229,605; May 25.
Work shirts, overalls, vests, play suits, etc. E. V. Benjamin Company. 229,212; May 25.

CLASS 40.

Buttons, Bone. George K. Hale Mfg. Company. 229,032; May 25.
Tapes and bindings of linen, cotton, silk, and wool materials. Freydberg Brothers, Incorporated. 224,454; May 25.

CLASS 42.

Corduroys, Plain and fancy. New York Mills Corporation. 216,629; May 25.
Cotton and cotton and silk draperies and upholsteries in the piece. Manville Jenckes Company. 212,190; May 25.
Cotton, cotton and linen, linen, and linen gauze fabrics in the piece. W. H. Beaumont. 229,720–1; May 25.
Cotton duck. William L. Barrell Co. of New York, Inc. 229,373–4; May 25.
Cotton piece goods. Pacolet Mfg. Co. 212,951; May 25.
Cotton piece goods. J. L. Stifel & Sons. 224,118; May 25.
Cotton piece goods. Tupelo Cotton Mills. 222,416; May 25.
Cotton piece goods, shirtings, artificial-silk fabrics in the piece, etc. Aberfoyle Mfg. Co. 223,208; May 25.
Cotton, silk, wool, or combinations thereof. Jass Mfg. Co. 224,763–4; May 25.
Dress goods and dress fabrics. Atlantic Mills. 230,210; May 25.
Dress goods and dress fabrics. Atlantic Mills. 230,212; May 25.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 230,516; May 25.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 230,518; May 25.
Fabrics, Pile. Sidney Blumenthal & Co. 228,523; May 25.
Sheetings, Bleached and unbleached. Graniteville Manufacturing Company. 229,624; May 25.
Silk fabrics and artificial silk in the piece. Progressive Knitting Works, Inc. 230,261; May 25.
Silk piece goods, Umbrella. Haenichen Bros. Silk Co. 225,474; May 25.
Upholstering fabrics. F. Schumacher & Co. 223,873; May 25.

CLASS 43.

Yarn made from cotton linter, Synthetic cuprammonium. Pennrich & Company. 230,308; May 25.

CLASS 44.

Bandages, Catamenial. Hoberg Paper & Fibre Company. 230,295; May 25.
Belt and heat pad, Life. G. Wilshire. 226,408; May 18.
Containers for medicinal substances. Behringwerke Aktiengesellschaft. 230,219; May 25.
Medicinal value of radioactive emanation, Containers used to impart. Dow-Herriman Pump and Machinery Company. 216,826; May 25.
Pessary. H. J. Hempel. 226,194; May 25.
Rectal dilators, vaginal applicators, syringes, and syringe attachments. F. H. Newton. 217,575; May 25.
Therapeutic application, Electrical lamp for. McIntosh Electrical Corporation. 227,194; May 25.

CLASS 45.

Beverage, Nonalcoholic, maltless. Royal Carbonating Co. 229,469; May 25.
Beverages. C. Calandra. 229,215; May 25.
Beverages and compounds, sirups, and concentrates for making such beverages. Orange Crush Company. 226,595; May 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Beverages, Preparation for coloring and clarifying nonalcoholic, maltless. Weil-Ostermann Products Company. 228,015; May 25.
Beverages sold as soft drinks. Chicago Chero-Cola Bottling Co. 228,974; May 25.
Fruit juices, Citrous-. Exchange Orange Products Co. 217,076; May 25.
Water, Mineral. E. C. Jones. 224,140; May 25.

CLASS 46.

Biscuits, crackers, and cereal foods. Shredded Wheat Company. 227,480; May 25.
Cake. Messing Bread Company. 208,060; May 25.
Candies. C. S. Allen Corporation. 229,317; May 25.
Candies, ice cream, teas, coffee, etc. Greeley Square Hotel Company. 225,422; May 25.
Candy. A. G. Abraham Company. 224,224; May 25.
Candy. Candy House. 230,083; May 25.
Candy. Roland A. Plate Company. 230,116; May 25.
Candy. Schuler Chocolate Factory. 230,124; May 25.
Candy patties. J. Gratton. 222,377; May 25.
Cane sirup. Alabama-Georgia Syrup Company. 230,071; May 25.
Canned fruits. C. L. Tomson. 226,612; May 25.
Canned fruits, berries, and vegetables. F. J. Norton. 227,321; May 25.
Canned evaporated milk. American Milk Products Corporation. 223,427; May 25.
Canned evaporated milk. Libby, McNeill & Libby. 230,400; May 25.
Canned peas and string and stringless beans. H. C. Baxter & Brother. 225,342; May 25.
Chicks, Baby. D. T. Farrow. 227,979; May 25.
Cocoa. C. J. Van Houten and Zoon a Commanditaire Vennootschap op Aandeelen. 224,584; May 25.
Cocoa and sugar, Mixture of. C. J. Van Houten and Zoon a Commanditaire Vennootschap op Aandeelen. 224,684; May 25.
Cocoa, sugar, and milk powder, Mixture of. C. J. Van Houten and Zoon a Commanditaire Vennootschap op Aandeelen. 224,585; May 25.
Coffee. Commercial Tea & Coffee Co. 206,657; May 25.
Coffee. Jas. H. Forbes Tea & Coffee Co. 217,084; May 25.
Coffee. Onerbacker Coffee Co. 230,114; May 25.
Coffee. Schreiber Products Corporation. 219,995; May 25.
Coffee. Trigg, Dobbs & Company. 225,067; May 25.
Eggs, ice cream, and dairy products. Los Angeles Creamery Co. 226,665; May 25.
Flour made from wheat. Pillsbury Flour Mills Company. 226,912; May 25.
Flour, rye meal, rye flour compound, and rye feed, Rye. Weyauwega Milling Company. 209,758; May 25.
Flour, Self-rising. Ballard & Ballard Co. 224,592; May 25.
Flour, Wheat. Chickasha Milling Company. 228,646; May 25.
Food-flavoring extracts. Frank E. Harris Co. Inc. 224,389; May 25.
Food for diabetes. Chemische Werke Grenzach Aktiengesellschaft. 228,459; May 25.
Foods, Dog. A. P. Hubbard. 228,608; May 25.
Fruits and canned citrous fruits, Fresh citrous. Texas Citrus Fruit Growers' Exchange. 227,973; May 25.
Fruits, Dried. Cones Date Company. 224,002; May 25.
Fruits, Fresh. Glaze, Balaam & Moyc. 224,086; May 25.
Macaroni. Creamette Company. 230,285; May 25.
Macaroni. Niagara Macaroni Manufacturing Company. 230,187; May 25.
Milk, Conserved. Dairymen's League Co-Operative Association, Inc. 219,476; May 25.
Noodles. Zucca's Restaurant, Inc. 221,579; May 25.
Oil, Olive. G. Fotl. 230,291; May 25.
Peanut butter. Bradley, Smith Co. 230,080; May 25.
Sugar. J. D. and A. B. Spreckels Securities Co. 216,296; May 25.

CLASS 47.

Wine. Empire State Wine Company. 230,093; May 25.

CLASS 48.

Soft Drinks and sirups for making the same. Hudepohl Brewing Company. 218,182; May 25.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aachte, William. (See Ernst, Gottlieb, assignor.)
Abolin, Harry T., Wood Ridge, assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J. Wall paper or similar article. Des. 70,205; May 25.
Abolin, Harry T., Wood Ridge, assignor to Lincrusta-Walton Company, Inc., Hackensack, N. J. Wall paper or similar article. Des. 70,206; May 25.
Adams, Edward S. R., assignor of one-half to E. J. W. Slade, London, England. Small arm and machine gun. 1,586,434; May 25.
Adams, William S., San Diego, Calif., assignor to The Grolan Manufacturing Company, Dayton, Ohio. Fluid gauge. 1,585,884; May 25.
Aderente, Alfred. (See Bain, C., and Aderente.)
Aderente, Eugene, Jersey City, N. J., assignor to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y. Clamp. 1,586,173; May 25.
Aero Survey Corporation. (See Cooke, Hereward L., assignor.)
Agnew, Richard F., Minneapolis, Minn. Road grader. 1,585,633; May 25.
Aktiebolaget Svenska Kullagerfabriken. (See Pratt, Herbert E., assignor.)
Aktiebolaget Vaporackumulator. (See Ruths, Johannes K., assignor.)
Albright, Nell T., and B. J. Hubbard, assignors to Kokomo Automotive Mfg. Co., Kokomo, Ind. Windshield wing. Des. 70,207; May 25.
Alimondo, Cesare, Philadelphia, Pa. Mute. 1,585,813; May 25.
Allen, Frank E., St. Clair, assignor of one-half to W. D. Thompson, Port Huron, Mich. Tourist's auto camping outfit. 1,585,814; May 25.
Allen, Grosvenor N., Oneida, N. Y. Coffeepot or similar article. Des. 70,208; May 25.
Allen, Harold D., East Hampton, Conn., assignor to Gong Bell Manufacturing Company. Dial mechanism for toy telephones. 1,586,504; May 25.
Allen, Harry W., Cleveland, Ohio. Sectional insulator. 1,586,348; May 25.
American Bottle Company, The. (See Curran, Jerome P., assignor.)
American Can Company. (See Young, John M., assignor.)
American Chain Company. (See Du Bois, Henry C., assignor.)
American Chain Company. (See Goetz, Oscar H., assignor.)
American Cyanamid Company. (See Buchanan, Guy H., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Flatlite Company, The. (See Gowdy, Robert C., assignor.)
American Gasaccumulator Company. (See Medén, Elof H., assignor.)
American Hardware Corporation, The. (See Henry, William K., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Laundry Machinery Company, The, et al. (See Braley, Charles L., assignor.)
American Machine & Foundry Company. (See Johnson, Carl W., assignor.)
American Steel and Wire Company, The. (See Budlong, G. W., and Hoeftmann, assignors.)
American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
American Telephone and Telegraph Company. (See Matte, Andrew L., assignor.)
American Thread Company, The. (See Clark, Robert K., assignor.)
American Thread Company, The. (See Curry, Malcolm, assignor.)
Amies, Joseph H., Philadelphia, Pa. Paving composition. 1,585,635; May 25.
Amstutz, Amos A., Silverton, Oreg. Friction gear. 1,585,957; May 25.
Anderson, August P., Toledo, Ohio. Reducing valve. 1,585,885; May 25.
Anderson, Edward S., Mabel, Minn. Rake. 1,585,958; May 25.
Anderson, John N., Methuen, Mass. Bobbin. 1,585,637; May 25.
Anderson, Knute H., Chicago, Ill. Removable heel. 1,585,638; May 25.
Andler, William, Chicago, Ill. Door construction. 1,585,886; May 25.
Andrews, Alexis F., Yonkers, and Y. Prager, New York, N. Y. Spraying device. 1,585,815; May 25.
Anibal, Benjamin H., assignor to The Studebaker Corporation, Detroit, Mich. Instrument panel. 1,585,636; May 25.
Anaconda Copper Mining Company. (See Frick, F. F., and Carstens, assignors.)
Anschutz-Kaempfe, Hermann, Munich, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", 's Gravenhage, Netherlands. Controlling rotating field motors. 1,586,233; May 25.
Arato, Achille, Kiel, Germany. Steering gear for four-wheel trailed vehicles. 1,585,753; May 25.
Arnalot, Licerio, Barcelona, Spain. Electrolytic tank. 1,586,435; May 25.
Arnold, John C., Terre Haute, Ind. Toy pistol or gun. 1,586,059; May 25.
Aronstam, Harry, et al. (See Gilowitz, Benjamin, assignor.)
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Head-gate hoist mechanism. 1,586,393; May 25.
Atherton, Charles, assignor to Remote Control Valve and Manufacturing Company, Pasadena, Calif. Remote-control valve appartus. 1,585,816; May 25.
Atlas Powder Company. (See Fletcher, William E., assignor.)
Auto Truck Industrial Appliances, Inc. (See Otterson, George W., assignor.)
Automatic Electric Inc (See Erickson, Charles J., assignor.)
Automatic Electric Inc. (See Homrighous, John H., assignor.)
Automatic Electric Inc. (See Nelson, Martin L., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automatic Straight Air Brake Company. (See Neal, Spencer G., assignor.)
Automotive Gauge Co. (See Kauffmann, Frederick, assignor.)
Avery, B. F., & Sons. (See Ray, Charles T., assignor.)
Avery, Walter S., Knoxville, Tenn. Automatic and adjustable burette and funnel holder. 1,585,959; May 25.
Axelson, Delbert F., assignor to Axelson Machine Company, Los Angeles, Calif. Load indicator. 1,585,634; May 25.
Axelson Machine Company. (See Axelson, Delbert F., assignor.)
Bacon, Arthur S., and G. W. Hughson, Oakland, Calif. Cylinder-boring tool. 1,586,500; May 25.
Badger, E. B., and Sons Company. (See Greene, Charles E., assignor.)
Baia, Charles, Palisade, and A. Aderente, Jersey City, N. J., assignors to Slip-On Cigar Lighter Company, Incorporated, New York, N. Y. Cigar lighter. 1,586,172; May 25.
Bailey, Frank, and F. H. Jackson, Southwark, London, England. Apparatus for straining fluids. 1,585,817; May 25.
Bailey, Julian F. (See Waats, James N., assignor.)
Bainton, Raymond, Greeley, Colo. Guarding against the unauthorized receiving of radiocommunications. 1,586,060; May 25.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,585,639; May 25.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,585,640; May 25.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,586,234; May 25.
Banigan, Thomas F. (See Bassett, H. P., and Banigan.)
Barber Asphalt Company, The. (See Miller, John S., jr., assignor.)
Barber, William M., Whitwell, Tenn. Sawing and grinding attachment for tractors. 1,585,818; May 25.
Bardenhener, William C., Chicago, Ill., assignor to Brunswick-Kroeschell Company. Clearance pocket. 1,586,278; May 25.
Barker, Percy E., assignor of one-half to T. B. Van Dorn, Cleveland, Ohio. Washing machine. 1,586,022; May 25.

Barnard, Dudley J., Barking, England. Grab. 1,586,023; May 25.
Barrundia, Federico Z., Mexico, Mexico. Electric sign. 1,586,436; May 25.
Barton, Edward D., Canon City, Colo. Rope and strap fastener. 1,586,661; May 25.
Barty, Thomas, and F. A. Burrows, London, England, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,585,819; May 25.
Bassett, Harry P., Cynthiana, Ky., and T. F. Banigan, assignors to Meigs, Bassett & Slaughter, Inc., Philadelphia, Pa. Making acetylated nitrocellulose. 1,586,437; May 25.
Batchelder, Edmund, and J. G. M. Bullowa, New York, N. Y., assignors to Brooklyn Metal Stamping Company. Electric connecter. 1,586,279; May 25.
Battle Creek Bread Wrapping Machine Company. (See Metcalf, Howard H., assignor.)
Baum, Ewald G., assignor to Seal-Kap Company, Natick, Mass. Bottle-capping device. 1,585,820; May 25.
Baum, Isaac A., Memphis, Tenn. Baseboard and shoe mold. 1,585,960; May 25.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hand-rotated rock drill. 1,585,821; May 25.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air and water tube. 1,585,822; May 25.
Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Rotation and feed regulator. 1,585,641; May 25.
Beach, Mary C., Arvada, assignor of one-half to E. R. Cooper, Denver, Colo. Mechanical toy. 1,585,887; May 25.
Beal, Arthur G. (See Bristol, B. H., Beal, & Hall.)
Beaver, Gail D., Philadelphia, assignor to Haslett Chute and Conveyor Company, Oaks, Pa. Interlocking door for waste chutes. 1,586,505; May 25.
Becker, Joseph, Waring, Tex. Pump mechanism. 1,586,138; May 25.
Beezley, Reginald R., Memphis, Tenn. Terminal-block attachment. 1,586,438; May 25.
Behneman, Frederick J. (See Fields, Herbert B., assignor.)
Behr, Hans C., Scarsdale, N. Y. Apparatus for separating liquids from solids. 1,586,395; May 25.
Bell, James W., Cleveland, Ohio. Guy-line tightener. 1,586,174; May 25.
Bello Byfield Corporation. (See Bello, Marino, assignor.)
Bello, Marino, Highland Park, assignor to Bello Byfield Corporation, Waukegan, Ill. Manufacture of containers. 1,585,642; May 25.
Bello, Marino, Highland Park, assignor to Bello Byfield Corporation, Waukegan, Ill. Manufacture of containers. 1,585,643; May 25.
Bellomy, Homer E., Boise City, Okla. Broomcorn knife. 1,586,396; May 25.
Bennett, Carl K. (See Petschel, William, assignor.)
Bennington, Albert P., Philadelphia, Pa. Blackboard wiper. 1,586,439; May 25.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electrical connecter. 1,586,506; May 25.
Berg, John, Chicago, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Visor. 1,586,507; May 25.
Bergström, Johan E., Dresden, Germany, assignor to G. Stahle, Stockholm, Sweden. Feeding device for machine tools. 1,585,823; May 25.
Bergström, Johan E., Dresden, Germany, assignor to G. Stahle, Stockholm, Sweden. Machine for producing objects with milled grooves. 1,585,824; May 25.
Berlinger, Jacob, Brooklyn, N. Y. Wedding ring. Des. 70,209; May 25.
Berry, Bert C., Long Beach, Calif, assignor to Berry Shocker Incorporated, Wilmington, Del. Shocker. 1,586,501; May 25.
Berry Shocker Incorporated. (See Berry, Bert C., assignor.)
Bessolo, William L., Clearwater, Calif. Wrench. 1,585,825; May 25.
Best, Leigh. (See Long, A. R., and Clarkson, assignors.)
Betts, Anson G., Kinderhook, N. Y. Ceramic and refractory-making process and material. 1,585,826; May 25.
Betts, Anson G., Kinderhook, N. Y. Refractory and ceramic process and material. 1,585,827; May 25.
Bierig, Jacob J., Isabella, Okla. Orthopedic device. 1,585,828; May 25.
Billingsley, David, Orient, Pa. Trousers protector. 1,586,235; May 25.
Bilyeu, Isaac V., Springfield, Ill. Form for concrete steps. 1,586,440; May 25.
Bing Werke. (See Schwarzenhauer, Waldemar, assignor.)
Binns, Edward H. (See Binns, Ralph H., assignor.)
Binns, Edward H., et al. (See De Hart, William A., assignor.)
Binns, Edward H. and R. H., Pittsburgh, Pa., and W. A. De Hart, Teaneck, N. J.; said De Hart assignor to said Edward H. Binns and said R. H. Binns, Pittsburgh, Pa. Flexible closure. 1,585,644; May 25.
Binns, Ralph H. (See Binns, Edward H. and R. H., and De Hart.)
Binns, Ralph H., et al. (See De Hart, William A., assignor.)
Binns, Ralph H., assignor of one-half to E. H. Binns, Pittsburgh, Pa. Flexible closure. 1,585,645; May 25.
Bivins, Abraham, Denver, Colo. Lathe attachment. 1,586,139; May 25.
Blaschke, Julius, Brooklyn, N. Y. Tire wheel. 1,586,349; May 25.
Bliss, Graydon C. (See Bliss, Robert H. and G. C.)
Bliss, Robert H. and G. C., East Syracuse, N. Y. Sash. 1,585,829; May 25.
Blom, Johan A., Stockholm, Sweden. Nail file. 1,586,441; May 25.
Bloom, Morris. (See Blum, A. S. and Bloom.)
Blum, Abraham S., and M. Bloom, Jersey City, N. J. Adjustable crane. 1,585,961; May 25.
Bobrick, Gabriel A., deceased, Los Angeles, Calif.; M. E. Bobrick, special administratrix. Liquid-soap dispenser. 1,586,397; May 25.
Bobrick, Gabriel A., deceased, Los Angeles, Calif.; M. E. Bobrick, special administratrix. Liquid dispenser. 1,586,398; May 25.
Bobrick, Mary E., special administratrix. (See Bobrick, Gabriel A.)
Boccbine, Ernest, Passaic, assignor to Up To Date Manufacturing Co., Inc., Jersey City, N. J. Sound-emitting device. 1,586,399; May 25.
Bodenstedt, Wilhelm, Wilmington, Del. Water-cooling attachment for refrigerators. 1,585,830; May 25.
Boehringer, C. H., Sohn, Chemische Fabrik, Nelder-Ingelheim a. Rhein. (See Dengler, Otto, assignor.)
Boehringer, C. H., Sohn. (See Rahm, Franz, assignor.)
Boehringer, C. H., Sohn. (See Thiele, Hans, assignor.)
Bolens, Harry W. (See Strite, George T., assignor.)
Boling, Lillian M., Hendersonville, N. C. Garment hanger. 1,586,400; May 25.
Bonnette, Ralph W. S., Washington, D. C. Receiver for radio and telephone apparatus. 1,586,140; May 25.
Bonus, George Y., Chicago, Ill., and E. Kidwell, assignors, by mesne assignments, to Kidwell Boiler Company, Milwaukee, Wis. Boiler apparatus for utilizing the waste gases from cement kilns. 1,585,754; May 25.
Book, Vernon L., et al. (See Worth, Herbert A., assignor.)
Boone, Daniel, Mining Machine Company. (See Hess, Louis F., assignor.)
Booth Fisheries Company. (See Varney, Frank S., assignor.)
Borcherdt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Nodullization of minerals. 1,585,755; May 25.
Borcherdt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of minerals. 1,585,756; May 25.
Borgnis, Samson, Philadelphia, Pa. Garter grip. 1,586,401; May 25.
Borkenstein, William, Fort Wayne, Ind. Toy submarine. 1,585,757; May 25.
Borsbach, Ernst. (See Pistor, G., and Borsbach.)
Bosch, Robert, Aktiengesellschaft. (See Steinhart, Hermann, assignor.)
Boston Wire Stitcher Company. (See Briggs, Thomas A., assignor.)
Bosworth, Leonard P. (See Perry, Charles V., assignor.)
Bourguignon, Maurice, assignor to Societe du Feutre, Paris, France. Lime treatment of skins. 1,586,062; May 25.
Boyce, Edwin D., assignor to Hutchinson Manufacturing Co., Incorporated, Norristown, Pa. Woodworking machine. 1,586,063; May 25.
Boyce, Girard, Washington, D. C., assignor to National Autometer Restaurant Corporation, Washington, D. C., and New York, N. Y. Waffle-iron attachment. 1,586,402; May 25.
Boyd, Raymond, Des Moines, Iowa. Conductor hook. 1,586,024; May 25.
Bradford, Zerbe C., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Engine-starting and battery-charging apparatus. 1,585,831; May 25.
Braley, Charles L., assignor of one-half to C. F. Noftzger, Chicago, Ill., and one-half to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,586,403; May 25.
Bramlette, William W., Bell, Calif. Grease-gun-coupling device. 1,586,350; May 25.
Bray, William J., Lynchburg, Va. Clutch-lever-retaining device. 1,585,962; May 25.
Breed, Thomas E. (See Nabors, Emery R., assignor.)
Brenneis, Louis, Oxnard, Calif., assignor to Brenneis Manufacturing Company. Power lift for agricultural vehicles and implements. 1,586,236; May 25.
Brenneis Manufacturing Company. (See Brenneis, Louis, assignor.)
Briggs, Thomas A., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Feeding mechanism for stapling machines. 1,586,064; May 25.
Bristol, Benjamin H., A. G. Beal, and M. B. Hall, assignors to The Foxboro Company, Foxboro, Mass. Fitting for thermometers. 1,586,351; May 25.
Bronstein, Zachary, Malden, Mass. Sign. 1,586,237; May 25.
Brooklyn Metal Stamping Corporation. (See Batchelder, E., and Bullowa, assignors.)

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Cloth-roll lock. 1,586,280; May 25.
Brown, Clarence D., Bayside, N. Y. Clothes drier. 1,586,035; May 25.
Brown, Michael J., Fargo, N. Dak. Vehicle spring. 1,586,404; May 25.
Brown, Robert E., Olean, N. Y. Knife. Des. 70,210; May 25.
Bruijnes, Johannes. (See Hoist, G., Oosterhuis, and Bruijnes.)
Brunelle, Gaston A., San Francisco, Calif. Center punch. 1,586,281; May 25.
Brunson, Augustus J. (See Crabb, Charles L., assignor.)
Brunswick-Kroeschell Company. (See Bardenheuer, William C., assignor.)
Brutzkus, Marcus, Zurich, Switzerland. Apparatus for chemical production and research. 1,586,508; May 25.
Bryant, Frank L., Joliet, Ill. Granulating mill. 1,586,282; May 25.
Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Fumigant and fumigating. 1,586,175; May 25.
Buchanan, James. (See Russell, D. M., and Buchanan.)
Buchner, Armin. (See Staudinger, Hermann, Stocker, Tobler, Buchner, and Mueller.)
Buchheim, Eugene J., Highland, Ill. Organ. 1,586,283; May 25.
Buckeye Iron & Brass Works. (See Moorman, Frederick B., assignor.)
Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Method and device for lapping gauges. 1,586,238; May 25.
Buckley, Herbert M., Tooting, London, England. Headdress for sportswomen. 1,586,141; May 25.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Steering-knuckle construction. 1,585,758; May 25.
Budlong, Guy W. and O. Hoeftmann, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, Armored cable. 1,585,888; May 25.
Bukolt, John J., Stevens Point, Wis. Crib. Des. 70,211; May 25.
Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Multiple-spindle machine. 1,586,066; May 25.
Bullard Machine Tool Co., The. (See Bullard, Edward P., jr., assignor.)
Bulley, George W., assignor to The Miller Rubber Company, Akron, Ohio. Making radiocabinets. 1,585,759; May 25.
Bullowa, Jesse G. M. (See Batchelder, E., and Bullowa.)
Burch, Floyd R. (See Willis, Henry I., assignor.)
Burdick, Hiram M., Frankfort, N. Y. Support for drying lines. 1,586,284; May 25.
Burge, Charles L., Lincoln, Ind. Automatic liquid-supply means for water tanks of air washers. 1,586,405; May 25.
Burke, James P., assignor to J. R. English, Newark, N. J. Multiple worm gearing. 1,586,285; May 25.
Burkhart, Jacob, Elmhurst, Pa. Barrette. 1,586,025; May 25.
Burnett, James M., Weston-by-Welland, and J. A. Fullilove, Market Harborough, England. Accumulator plate. 1,585,760; May 25.
Burrell, Alexander, et al. (See Richmond, Romulus R., assignor.)
Burrows, Frank A. (See Barty, T., and Burrows.)
Burt, Don H., assignor to The Willey Company, Incorporated, Philadelphia, Pa. Driving and reversing mechanism. 1,586,286; May 25.
Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,585,640; May 25.
Bussmann, Henry T., St. Louis Mo. Electric fuse. 1,585,647; May 25.
Butterworth, H. W., & Sons Company. (See Rowley, W. S., and Butterworth, assignors.)
Butterworth, James W. (See Rowley, W. S., and Butterworth.)
Buvinger, George A. (See Kettering, C. E., and Buvinger.)
Byers, Ora M. (See Kurtz, C. W., Byers, Schmertz, and Gessner.)
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
Cadwallader, Dick, et al. (See Fuge, Frank E., assignor.)
Caillard, Léon, Levallois-Perret, France. Insulation of accumulator plates of different polarities. 1,586,406; May 25.
Calder, Myrtle W., Seattle, Wash. Doll. Des. 70,212; May 25.
Caldwell, John C., Miami, Fla. Scissors. 1,586,026; May 25.
California Cotton Mills Company. (See Mitchell, Allister S., assignor.)
Calkins, Seward H., Flushing, assignor to The Traitel Marble Company, Long Island City, N. Y. Pattern and guide strip. 1,586,287; May 25.
Callaway, Samuel T., executor. (See Long, A. R., and Clarkson.)
Calligan, James, Quincy, Mich. Rim spreader. 1,585,889; May 25.
Camire, Joseph, et al. (See Champoux, George, assignor.)
Campbell, Charles E., Lynn, Mass. X-ray apparatus. 1,585,890; May 25.
Campbell, Charles E., Lynn, Mass. X-ray apparatus. 1,586,027; May 25.
Campbell, John B., Manufacturing Company. (See Campbell, Neil L., assignor.)
Campbell, Neil L., assignor to John B. Campbell Manufacturing Company, Inc., Salem, N. J. Block-printed felt-base rug and making same. 1,586,288; May 25.
Canale, Gian B., Sori, Italy. Funnel for measuring, drawing, and pouring liquids. 1,585,761; May 25.
Candee, Raphael R., et al. (See Sprague, Charles and F., assignors.)
Carbenay, Fernand, Paris, France. Variable controlling element. 1,585,648; May 25.
Carley, Leonard R., Watertown, and G. H. Kay, Prospect, Conn. Combined package and toy. 1,585,649; May 25.
Carlson, Lorens. (See Gröndal, G., and Carlson.)
Carpenter, John W., El Paso, Tex. Milk-bottle holder. 1,586,289; May 25.
Carruth, Clarence E. (See Schopf, A. B., and Carruth.)
Carson, Frank H., Lansing, Ill. Hot-air furnace. 1,586,407; May 25.
Carstens, Carl E. (See Frick, F. F., and Carstens.)
Cass, Christopher P., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,585,762; May 25.
Causey, John O. (See Gardner, J. A., and Causey.)
Celite Company, The. (See Thatcher, H. S., and Josi, assignors.)
Cerf, Emile. (See Griewank, Arthur C., assignor.)
Champoux, George, Salmon Falls, N. H., assignor of one-fourth to J. Camire, one-fourth to F. W. Gardner, and one-fourth to F. G. Kaessmann, Lawrence, Mass. Number-plate bracket. 1,586,408; May 25.
Chanock, Theodore, Chicago, Ill. Stand for a table lamp. Des. 70,213; May 25.
Chandler, William P., assignor of one-half to S. J. Eassy, Greenville, S. C. Brace. 1,586,142; May 25.
Chapin, Albert J., Oakland, Calif., assignor The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake mechanism. 1,585,763; May 25.
Chapman Engineering Company, The. (See Chapman, William B., assignor.)
Chapman, William B., New York, N. Y., assignor to The Chapman Engineering Company, Mount Vernon, Ohio. Fuel-feeding mechanism for gas producers. 1,586,176; May 25.
Chase Companies Inc. (See Recker, Adolph C., assignor.)
Chatham, Robert E., Dallas, Tex. Signal device for railways. 1,585,891; May 25.
Chemische Fabrik Griesheim Elektron. (See Pistor, G., and Borsbach, assignors.)
Chenoweth, Roy, Glendale, Calif. Cigarette extinguisher. Des. 70,214; May 25.
Chicago Telephone Supply Company. (See Stirling, James A., assignor.)
Childs, Clarence E., San Diego, Calif. Vehicle top side inclosure. 1,585,764; May 25.
Chitra, John, Chicago, Ill. Picture. 1,585,765; May 25.
Christian, Harry H., Sebastopol, Calif. Drawing board. 1,586,067; May 25.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic converter. 1,585,766; May 25.
Churchman, Charles R., Shreveport, La. Machine for roofing telephone and telegraph poles. 1,586,068; May 25.
Clark, Alexander R., Petoskey, Mich. Smoke consumer. 1,585,963; May 25.
Clark, Alva B., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Method and means for telephone transmission measurements 1,585,701; May 25.
Clark, Alva B., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Echo suppressor for two-wire systems. 1,585,702; May 25.
Clark, George H., Brooklyn, N. Y., assignor to Radio Corporation of America. Arc generator. 1,585,650; May 25.
Clark, Raymond B. and R. C., Walla Walla, Wash. Feed harvester and chopper. 1,586,069; May 25.
Clark, Robert K., Springfield, Mass., assignor to The American Thread Company, New York, N. Y. Wound bobbin and producing the same. 1,586,239; May 25.
Clark, Roy C. (See Clark, Raymond B. and R. C.)
Clarke, Eleanor L., Brooklyn, N. Y. Massage implement. 1,585,767; May 25.
Clarkson, Ralph P. (See Long, A. R., and Clarkson.)
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,586,409; May 25.
Clavering, Joseph C. (See Galland, Charles A., assignor.)
Clayton, Reginald F., and J. W. Jemmison, Huddersfield, England. Road-sweeping and refuse-collecting machine. 1,585,768; May 25.
Clemens, Albert, Louisville, Ky. Vanity case. 1,586,290; May 25.
Clement, Edward E., Washington, D. C., assignor by mesne assignments, to The North Electric Manufacturing Company. Telephone-exchange system. 1,585,769; May 25.
Clement, James E., New Baltimore, Mich. Steering mechanism for boats. 1,586,291; May 25.
Clutts, Joshua K., Detroit, Mich. Blast furnace. 1,585,892; May 25.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Pipe-slotting machine. 1,585,893; May 25.

Cochran, Joseph E., Chicago, Ill., assignor of one-half to E. T. Crawford, Charleston, W. Va. Molding monuments and the like from plastic material. 1,586,352; May 25.
Cockrell, Thomas L. (See Mason, Singleton W., assignor.)
Coda, Christopher F., assignor to Jenks and Muir Manufacturing Co., Detroit, Mich. Spring frame. 1,585,894; May 25.
Cole, Leland D., Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Furnace-charging apparatus. 1,586,177; May 25.
Colegrove, Charles E., East Cleveland, assignor to White Sewing Machine Company, Cleveland, Ohio. Spring driving belt. 1,586,353; May 25.
Colton, Herbert T., Bigiake, Wash. Switch for direction indicators. 1,585,651; May 25.
Comstock, Frederick E., Valparaiso, Ind. Weedless fishhook. 1,586,178; May 25.
Conlon, Thomas A. (See Joyce, Bryan P., assignor.)
Connecticut Telephone and Electric Company, The. (See Wilcox, Ernest C., assignor.)
Continental Optical Corporation. (See Durgin, Edgar R., assignor.)
Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selecting balancing networks. 1,585,770; May 25.
Cook, Herbert D., et al. (See Richmond, Romulus R., assignor.)
Cook, Robert C., Goshen, N. Y. Valve-spring compressor. 1,586,410; May 25.
Cooke, Hereward L., Princeton, N. J., assignor to Aero Survey Corporation. Taking photographs and camera mounting for use in connection therewith. 1,586,070; May 25.
Cooke, Hereward L., Princeton, N. J., assignor to Aero Survey Corporation. Method of and apparatus for taking photographs. 1,586,071; May 25.
Cooper, Elva R. (See Beach, Mary C., assignor.)
Cooper, James W., Boca Raton, Fla., and J. B. Morris, Nashville, Tenn. Lawn mower. 1,586,143; May 25.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Resistor grid. 1,586,240; May 25.
Corcoran, Thos. J., Lamp Co., The. (See Kuen, Eugene A., assignor.)
Cornwall, Charles, assignor to The Deming Company, Salem, Ohio. Suction strainer. 1,586,292; May 25.
Coster, Dirk, Haarlem, Netherlands, and G. von Heyesy, Copenhagen, Denmark, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven. Separation of hafnium and zirconium. 1,586,241; May 25.
Crabb, Charles L., Clayburn, assignor of one-half to A. J. Brunson, North Plainfield Borough, N. J. Clay-cleaning method and machine. 1,585,771; May 25.
Cramp, William, & Sons Ship & Engine Bldg. Co., The. (See Glocker, William H., assignor.)
Crane, Jason G., and J. W. Wojat, Kansas City, Mo., assignors to Reliable Electric Company, Chicago, Ill. Cable terminal and support therefor. 1,585,772; May 25.
Crawford, Ellis T. (See Cochran, Joseph E., assignor.)
Crawford-Frost, William A., Baltimore, Md. Automobile bumper. 1,586,028; May 25.
Crelly, John P., et al. (See Worth, Herbert A., assignor.)
Crémieu, Victor, Colombieres-sur-Orb, France. Cooling apparatus. 1,586,029; May 25.
Crisp, H. Thurman. (See Price, Manley R., assignor.)
Crispin, Harry A., and H. J. Pawling, assignors to Salem Glass Works, Salem, N. J. Producing grooved cup finish in bottles and article produced thereby. 1,586,072; May 25.
Croasdale, John P., Berwyn, Pa., assignor to Pioneer Suspender Company. Garment supporter. 1,586,179; May 25.
Crosby, Raymond B., Hollywood, Calif. Number card and holder for telephones. 1,586,180; May 25.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting fixture. 1,585,773; May 25.
Csima, Julius, Milwaukee, Wis. Automatically-rocking baby carriage. 1,586,411; May 25.
Cube Teapots Limited. (See Johnson, Robert C., assignor.)
Curithonos, Constantinos, Brooklyn, N. Y. Cleaning compound for white leather shoes and the like. 1,586,293; May 25.
Curran, Jerome P., assignor to The American Bottle Company, Toledo, Ohio, Bottle. Des. 70,215; May 25.
Currier, Hiram D., Chicago, and G. R. Eaton, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,585,652; May 25.
Curry, Malcolm, Scarsdale, assignor to The American Thread Company, New York, N. Y. Wound bobbin. 1,586,181; May 25.
Curtis, Van V., Ragland, Ala. Policeman's baton. 1,586,412; May 25.
Dalton, William, Schenectady, N. Y. Rail fastener. 1,585,964; May 25.
Daman, Louis W., Point Rouge, Quebec, Canada. Furnace. 1,585,895; May 25.
Danner, Edward, assignor to The Libbey Glass Company, Toledo, Ohio. Bar and tubing severing means. 1,585,896; May 25.
Dath, Charles E., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Spring hinge for car doors. 1,585,653; May 25.
Davidson, Harry O., assignor to C. D. Pruden Corporation, Baltimore, Md. Roof construction. 1,585,897; May 25.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread parter and clamp. 1,585,898; May 25.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 70,216; May 25.
Davis, Thomas E., Chambersburg, Pa. Automatic window closer. 1,586,073; May 25.
Dayton Engineering Laboratories Company, The. (See Bradford, Zerbe C., assignor.)
Deagle, John M., Cataract, township of Caledon, Ontario, Canada. Clothes wringer. 1,586,354; May 25.
Deatherage, George E., Detroit, Mich. Telltale for tanks. 1,586,182; May 25.
De Belleszice, Henri J. J. M. de R., Toulon, France. Station for duplex wireless telegraphy. 1,586,144; May 25.
Defranco, Pietro, Hurley, Wis. Combination chair-bed. 1,586,355; May 25.
De Hart, William A. (See Binns, Edward H. and R. H., and De Hart.)
De Hart, William A., Teaneck, N. J., assignor, by mesne assignments, to E. H. and R. H. Binns, Pittsburgh, Pa. Flexible closure. 1,585,654; May 25.
De Huff, Paul, and W. A. Wood, Los Angeles, Calif. Collapsible core. 1,586,030; May 25.
Delage & Cie. (See Fontan, André L., assignor.)
Delco-Light Company. (See Federle, Joseph C., assignor.)
Delco-Light Company. (See Hall, Kenneth K., assignor.)
Delco-Light Company. (See Kettering, C. F., and Bivinger, assignors.)
Delco-Light Company. (See Warner, Clarence, assignor.)
Del Vecchio, Humbert, West New York, N. J. Safety device for printing presses. 1,586,183; May 25.
Deming Company, The. (See Cornwall, Charles, assignor.)
Deming Company, The. (See Deming, William L., assignor.)
Deming, William L., assignor to The Deming Company, Salem, Ohio. Lawn sprinkler. 1,586,294; May 25.
Dengler, Otto, Tutzing, near Munich, assignor to the Firm C. H. Boehringer Sohn, Chemische Fabrik Nieder-Ingelheim a. Rhein, Nieder-Ingelheim-on-the-Rhine, Germany. Production of pure lecithin. 1,586,145; May 25.
Denison, Charles L., Oneida, N. Y. Antiskidding device. 1,586,074; May 25.
Dennis, John E., London, Ontario, Canada. Metal window construction. 1,585,899; May 25.
Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead core and manufacture thereof. 1,585,900; May 25.
Dexter, Benjamin R., Oakland, Calif. Cover tightener. 1,586,442; May 25.
D'Hunny, Fernand E., Englewood, N. J., assignor to Ramp Buildings Corporation, New York, N. Y. Garage. 1,586,075; May 25.
Di Bond, George. (See Jellow, Timothy, assignor.)
Dick, Burns, St. Louis, and J. B. Dyer, Ferguson, assignors to Wagner Electric Corporation, St. Louis, Mo. Dynamo-electric machine. 1,586,184; May 25.
Dickey, Charles O., et al. (See Hartsock, Frank R., assignor.)
Dickey, Charles T., Elizabeth, N. J. Producing perforated sheet sponge rubber. 1,586,076; May 25.
Dickey, Leonard E., et al. (See Hartsock, Frank R., assignor.)
Diehl, Weaver, and O. Egemo, Rapid City, S. Dak. Mold for brick and building blocks. 1,586,295; May 25.
Dinklage, Raymond, Montclair, N. J. Rail anchor. 1,585,901; May 25.
Dodds, Lee L. (See Griffith, T. E., and Dodds.)
Domizi, David F., Cleveland, Ohio. Milling device. 1,585,902; May 25.
Don, Jack, Detroit, Mich. Window-cleaning apparatus. 1,586,185; May 25.
Doornbos, Julianus J., Kalamazoo, Mich. Gun sight. 1,586,413; May 25.
Doud, Willis G., Los Angeles, Calif. Child's vehicle. 1,585,832; May 25.
Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load device. 1,585,833; May 25.
Drader, Charles, et al. (See Sprague, Charles and F., assignors.)
Drake, Tom, Altrincham, assignor to Linotype and Machinery Limited, London, England. Matrix or type die for typographical composing machines. 1,586,296; May 25.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Jamieson, Robert, assignor.)
Draper Corporation. (See Self, James A., sr., assignor.)
Drinkwater, Charles M., Pelham, N. Y. Food conveyer. 1,585,834; May 25.
Driscoll, Edwin F. (See Webb, T. B., and Driscoll.)
Du Bois, Abram J., assignor to Interstate Bag Co., Walden, N. Y. Shopping bag. 1,586,356; May 25.

Du Bois, Henry C., Stratford, Conn., assignor to American Chain Company, Inc. Pliers. 1,586,297; May 25.
Ducci, José, Santiago, Chile. Regulator for victrolas. 1,586,414; May 25.
Duda, Oswald, assignor to Reed Roller Bit Company, Houston, Tex. Rotary core drill. 1,586,415; May 25.
Duncan, William, Los Angeles, Calif. Massage and shampoo comb. 1,586,031; May 25.
Du Pont, E. I., de Nemours & Company. (See Glover, R. E., jr., and Rogers, assignors.)
Durand, Paul, Paris, France. Automatic weighing apparatus. 1,585,835; May 25.
Durgin, Edgar R., Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Temple-bar connection. 1,585,836; May 25.
Duthie, James M., Footscray, Victoria, Australia. Signaling lamp suitable for day and night use, chiefly on motor cars. 1,586,242; May 25.
Dwyer, Harry A., Marion, Ind. Blank-feeding mechanism for pressing machines. 1,585,965; May 25.
Dyer, John B. (See Dick, B., and Dyer.)
Eagan, Thomas M., Detroit, Mich. Calendar. 1,585,966; May 25.
Eagle Suspender & Belt Co. (See Oppenheimer, Edwin, assignor.)
Eassy, Solomon J. (See Chandler, William P., assignor.)
Eaton, Clarence D., Kansas City, Mo. Wheel-rim-locking device. 1,586,298; May 25.
Eaton, George R. (See Currier, H. D., and Eaton.)
Ebbets, Charles H., jr. (See Ritteiman, L. Watte, and Ebbets.)
Edeleanu, Lazar, Berlin-Charlottenburg, Germany. Manufacture of light hydrocarbons. 1,586,357; May 25.
Efcolite Corporation. (See von Nessen, Walter, assignor.)
Egemo, Oscar. (See Diehl, W., and Egemo)
Eggum, Martin, Richey, Mont. Agricultural implement. 1,586,416; May 25.
Ehrlinger, Arthur, assignor to F. W. Klinger & Langbein Co., Philadelphia, Pa. Pocket construction for leather goods. 1,586,299; May 25.
Elker, Frisbey G., Washington, D. C. Vehicle tire. 1,585,837; May 25.
Ellers, Henry K, Plainfield, N. J., and M. H. Lockwood, New York, N. Y., assignors to Pyramid Iron Products Corporation. Grate bar. 1,585,967; May 25.
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electric Sign Flasher Corporation. (See Hesse, George, assignor.)
Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
Elemes, William, Elyria, Ohio. Scaffold clamp. 1,585,838; May 25.
Elgin Butter Tub Co. (See Lange, William F., assignor.)
Elliott, James M., assignor to Ludwig & Ludwig, Chicago, Ill. Snare-drum attachment. 1,585,655; May 25.
Ellis, Warren E., Gridley, Kans. Internal-combustion engine. 1,586,032; May 25.
Emco Manufacturing Company. (See Perdue, William B., assignor.)
Engberg, Gustave, G., St. Paul, Minn. Antiskid device. 1,585,968; May 25.
English, James R. (See Burke, James P., assignor.)
Enterprise Aluminum Company, The. (See Jamison, Charles R., assignor.)
Erdman, Albert W., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Milling hob. 1,586,186; May 25.
Erickson, Charles J., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electrical switching apparatus for automatic telephone-exchange systems. 1,586,033; May 25.
Ernst, Gottlieb, assignor of one-half to W. Aachte, Cordell, Okla. Land roller and stalk cutter. 1,585,839; May 25.
Eurich, Harry E., deceased, by W. A. Mansfield, administrator, assignor to Mac Sim Bar Paper Company, Otsego, Mich. Felt cleaner for paper-making machines. 1,586,358; May 25.
Evans, Dulcie, Kent, England. Combined muffler and scarf. 1,586,077; May 25.
Ewell, Frank O., West Chester, and W. M. Shuey, Hummelstown, Pa. Adjustable reamer. 1,585,656; May 25.
Ewell, Frank O., Harrisburg, W. M. Shuey, Hummelstown, and W. G. Vandergrift, Camp Hill, Pa., said Vandergrift assignor to said Shuey. Adjustable reamer. 1,585,657; May 25.
Fahnestock, Archie P., Long Island City, N. Y. Spring binding post. 1,585,840; May 25.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Freight brake equipment. 1,585,774; May 25.
Fassett, Thomas L. O. (See Rector, Charles J., assignor.)
Faust, Walter L., Summit, assignor to Whitlock Cordage Company, Jersey City, N. J. Feeding fiber. 1,585,841; May 25.
Fearing, Justin L., South Weymouth, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,585,842; May 25.
Federle, Joseph C., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,586,034; May 25.
Fegles Construction Company. (See Nemec, Frank L., assignor.)
Ferguson, Roy N., Los Angeles, Calif. Maintaining a double circulation in oil wells. 1,585,969; May 25.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,586,187; May 25.
Fiore, Joseph J., Birmingham, Ala. Wheeled toy. 1,586,146; May 25.
Firestone Tire and Rubber Company, The. (See Pade, Max H., assignor.)
Firestone Tire and Rubber Company, The. (See Runals, William T., jr., assignor.)
First Catholic Slovak Union of the United States of America. (See Valko, Emrich W., assignor.)
Fischer, Franz J., Dresden, Germany. Converting electric currents. 1,586,078; May 25.
Fischer, H. G., Company. (See Fischer, Herman G., assignor.)
Fischer, Herman G., assignor to H. G. Fischer Company, Chicago, Ill. Indirect fulguration electrode. 1,585,970; May 25.
Fischer, Oskar, Berlin-Friedenau, Germany, assignor to N. V. Machina Maatschappij vor Handel en Industrie, Amsterdam, Netherlands. Tabulation mechanism of typewriting machines. 1,585,658; May 25.
Fisher, Robert F., Cleveland, Ohio. Internal-combustion engine. 1,586,188; May 25.
Fields, Herbert B., Alameda, assignor of one-half to F. J. Behneman, San Francisco, Calif. Yieldable support. 1,586,300; May 25.
Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
Fisk Rubber Company, The. (See Irrgang, William F., assignor.)
Fitch, William H., Fort Worth, Tex. Pencil. 1,585,843; May 25.
Fitzgerald, John J., Los Angeles, Calif., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Gauge device. 1,585,844; May 25.
Flam, Stephen, Walnut Park, Calif. Multiple mold. 1,585,845; May 25.
Fletcher, William E., Philadelphia, Pa., assignor to Atlas Powder Company, Wilmington, Del. Waterproof shade fabric. 1,586,189; May 25.
Flintermann, Gerhard, Orange, N. J. Thrust bearing. 1,586,443; May 25.
Flory, William E., Brooklyn, N. Y. Hand bag. 1,586,147; May 25.
Fogelquist, Albin H., Spokane, Wash. Glare screen. 1,585,659; May 25.
Fojtik, John. Needville, Tex. Block and tackle. 1,586,417; May 25.
Foley, Hugh, Sour Lake, Tex. Apparatus for rotating pipe. 1,586,301; May 25.
Fontan, André L., assignor to Delage & Cie., Paris, France. Body for motor vehicles. 1,586,190; May 25.
Formaheck, Fred, Chicago, Ill. Water-closet-flushing means of compressed-energy type. 1,586,079; May 25.
Fortier, Charles L. (See Otto, A. J., and Fortier.)
Foxboro Company, The. (See Bristol, B. H., Beal, and Hall, assignors.)
Frampton, Henry S., Brooklyn, N. Y. Thread-measuring device. 1,585,660; May 25.
Frank, Walter N. (See Groves, F. A., and Frank.)
Franklin Simon & Co. (See Davis, Taube, assignor.)
Franzén, Johan F., Tranas, Sweden. Pin case. 1,586,359; May 25.
Frederikson, James, and C. S. Hudson, Bend, Oreg. Faucet. 1,586,418; May 25.
Fredlund, Karl H., Stockholm, Sweden. Combined drawing-pin extractor and receptacle. 1,586,080; May 25.
Freesland, Wilson S., Norfolk, Va. Multicontact crystal detector. 1,586,419; May 25.
Frick, Frederick F., and C. E. Carstens, assignors to Anaconda Copper Mining Company, Anaconda, Mont. Electrolytic precipitation of copper. 1,586,035; May 25.
Friedman, Samuel, Brooklyn, N. Y. Fur brushing, straightening, and beating machine. 1,586,420; May 25.
Frisbie, Henry N., assignor to Mid-West Box Company, Chicago, Ill. Mailing holder for phonograph records. 1,585,846; May 25.
Fritzsche, George H., Brooklyn, N. Y. Knockdown display toy. 1,586,191; May 25.
Frush, George H., Clarksburg, W. Va. Scaffold. 1,586,421; May 25.
Fuge, Frank E., Arnold, assignor of one-half to A. Roberts and D. Cadwallader, Barking, Pa. Motor-driven-vehicle brake. 1,586,192; May 25.
Fulkerson, Samuel C. (See Schondelmayer, H. K., and Fulkerson.)
Fulks, Charles G., Huntington, W. Va. Blue-flame burner. 1,586,036; May 25.
Fullilove, John A. (See Burnett, J. M., and Fullilove.)
Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
Funk, John R., and W. Lynch, Duncan, Okla. Valve-lifting machine. 1,586,360; May 25.
Funk, Levi L., Chicago, Ill. Combined flexible tooth cleaner and medicine carrier. 1,586,302; May 25.
Furnivall, Alfred W., Brooklyn, N. Y. Guard. 1,586,422; May 25.
Gaffney, Joseph M., St. Paul, Minn. Illuminated curbstone house number. 1,586,361; May 25.

Galland, Charles A., Paris, France, assignor to J. C. Clavering, London, England. Folding stool or table. 1,585,661; May 25.

Ganime, Joseph and P., Russellton, Pa. Connection device for railway rails. 1,586,081; May 25.

Ganime, Peter. (See Ganime, Joseph and P.)

Gard, Earle W., Wilmington, Calif. Liquid-level indicator. 1,585,971; May 25.

Gardner, Frederick W., et al. (See Champoux, George, assignor.)

Gardner, John A., and J. O. Causey, Grifton, N. C. Tobacco-curing barn. 1,585,662; May 25.

Garlin, Isidor, Brooklyn, assignor to Silbermann, Kohn & Wallenstein, Inc., New York, N. Y. Finger ring. Des. 70,217; May 25.

Gebauer, Emil G., Chicago, Ill. Recording device for meters. 1,586,423; May 25.

General Motors Corporation. (See Wilson, C. E. and Norviel, assignors.)

General Refractories Company. (See Lasker, Charles H., assignor.)

George, William B., Chicago, Ill. Cleaning castings and the like. 1,585,663; May 25.

Geschickter, Charles F., Washington, D. C. Window-screen mounting. 1,585,847; May 25.

Gesellschaft für Chemische Produktion m. b. H. (See Müller-Clemm, H., and Schmidt, assignors.)

Gessner, Lawrence A. (See Kurtz, C. W., Byers, Schmertz, and Gessner.)

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric-meter adapter. 1,585,848; May 25.

Gilbert, Henry S., Chambersburg, Pa. Combination tool. Des. 70,218; May 25.

Gilbert, Ralph A., Pittsfield, Mass. Induction coil. 1,586,082; May 25.

Gill, William A., St. Louis, Mo. Finger ring. Des. 70,219; May 25.

Gilman, George H., Boston, Mass. Method of and apparatus for breaking out rock. 1,585,664; May 25.

Gilowitz, Benjamin, assignor of one-half to H. Goldstein, and one-half to H. Aronstam, New York, N. Y. Fire escape. 1,586,424; May 25.

Gilpin, Garth G., Riverside, assignor to W. P. Murphy, Chicago, Ill. Uncoupling lever for car couplers. 1,585,972; May 25.

Gilson Manufacturing Co. (See Travers, Charles J., assignor.)

Glndre, Eugène, assignor to Société Anonyme le Carbone, Levallois-Perret, France. Connecting electric cables to carbon brushes or the like. 1,585,849; May 25.

Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,585,973; May 25.

Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,585,974; May 25.

Glass, David R., Washington, D. C. Oil burner. 1,585,850; May 25.

Glaubitz, Arthur. (See Regelein, W., and Glaubitz.)

Gleason, Dora P., Cincinnati, Ohio. Hair waver. 1,585,703; May 25.

Glocker, William H., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Bldg. Co. Method and apparatus for surfacing propeller blades. 1,585,851; May 25.

Glover, Rolfe E., jr., and T. H. Rogers, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating crude cyanide. 1,586,509; May 25.

Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,586,303; May 25.

Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,586,304; May 25.

Goldstein, Harry, et al. (See Gilowitz, Benjamin, assignor.)

Gong Bell Manufacturing Company. (See Allen, Harold D., assignor.)

Goodfriend, Henry, assignor to Unique Lamp & Casting Company, Chicago, Ill. Electric ceiling fixture. Des. 70,220; May 25.

Goodman Manufacturing Company. (See Sloane, William M., assignor.)

Goodman Manufacturing Company. (See Zellers, John W., assignor.)

Goodrich, Norris E. (See Kellogg, J. H., and Goodrich.)

Goodwin, John E., Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y. Plate or similar article. Des. 70,221; May 25.

Goodwin, John E., Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y. Plate or similar article. Des. 70,222; May 25.

Goodyear, Claude E., Kidderminster, England. Wheel. 1,586,425; May 25.

Gordon-Barrett, Richard R., Aylesbury, England. Apparatus for supplying moistened air to internal-combustion engines. 1,585,975; May 25.

Gove, Edward H., Biddeford, Me. Flush valve for water-closets. 1,586,193; May 25.

Gowdy, Robert C., assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio. Reflector for light projection. 1,585,852; May 25.

Graham Glass Company, The. (See Lents, John M., assignor.)

Grasselli, Chemical Company, The. (See Howald, Arthur M., assignor.)

Gray, Thomas P., Griffin, Ga. Auxiliary air valve for engines. 1,586,426; May 25.

Greene, Charles E., Winchester, assignor to E. B. Badger and Sons Company, Boston, Mass. Spray tower. 1,586,083; May 25.

Gregg, Charles F., Indianapolis, Ind. Rug-cleaning machine. 1,586,305; May 25.

Greenfield, Benjamin F., Minatare, Nebr. Garage-door operator. 1,585,037; May 25.

Greer, Benjamin J., Athens, Tex., assignor of one-half to J. R. Wood, Chicago, Ill. Wrench. 1,585,853; May 25.

Greve, Herman L., Brooklyn, N. Y., assignor to The Thompson & Norris Co. Lock for cartons. 1,586,148; May 25.

Grieb, Alfred, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper mechanism for chain-stitch sewing machines. 1,585,665; May 25.

Griewank, Arthur C., assignor of one-half to E. Cerf, San Francisco, Calif. Mechanically-operated figure. 1,586,444; May 25.

Griffith, Thomas E., and L. L. Dodds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Operating mechanism for elevator doors. 1,585,666; May 25.

Griffoul, Henry, Cleveland, Ohio. Oil burner. 1,586,149; May 25.

Grolan Manufacturing Company, The. (See Adams, William S., assignor.)

Gröndal, Gustaf, Djursholm, and L. Carlson, Stockholm, Sweden. Tunnel oven. 1,586,306; May 25.

Groves, Frank A., and W. N. Frank, assignors to The Stemco Engineering Company, Dayton, Ohio. Fluid gauge. 1,585,976; May 25.

Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)

Gullick, Robert L., England, Ark. Plow attachment. 1,585,704; May 25.

Gustavsen, Charles O., Canton, Ohio. Cog brick. 1,586,194; May 25.

Haas, Hermann, Lennep, Germany. Cloth-shearing machine. 1,585,667; May 25.

Hall, Anson J., Des Moines, Iowa. Chimney scaffold. 1,586,038; May 25.

Hall, Edward M., Camillus, N. Y. Machine for making membranous sheet wadding. 1,585,977; May 25.

Hall, Hubert H., assignor to Standard Oil Company, San Francisco, Calif. Flame arrester. 1,586,195; May 25.

Hall, Kenneth K., Grand Ledge, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,585,755; May 25.

Hall, Leslie S., assignor to Williams Tool Corporation, Erie, Pa. Gear box for threading machines and the like. 1,586,362; May 25.

Hall, Malcolm B. (See Bristol, B. H., Beal, and Hall.)

Hall, Trygve A., Poughkeepsie, N. Y. Scleroscope. 1,586,363 May 25.

Halvorsen, Severin, assignor to Newspaper Stuffing Machines Co., Seattle, Wash. Newspaper-stuffing machine. 1,586,196; May 25.

Hamill, Truman W., Silverton, Oreg. Window opening and closing mechanism. 1,586,427; May 25.

Hammond, Clinton E., Boyne City, Mich. Cranking device. 1,585,854; May 25.

Hampden Glazed Paper & Card Company. (See Ostrander, William C., assignor.)

Handley, George H., Ogdensburg, N. Y. Attachment for automobiles. 1,586,428; May 25.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-steel guide. 1,585,668; May 25.

Hansen, George T., assignor to Hansen Rubber Products Company, Salt Lake City, Utah. Pump. 1,585,669; May 25.

Hansen Rubber Products Company. (See Hansen, George T., assignor.)

Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Truing device. 1,585,705; May 25.

Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Truing device for grinding wheels. 1,585,706; May 25.

Hanson, Elnar A., et al., executors. (See Hanson, Bengt M. W.)

Hanzlik, Henry J., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,585,670; May 25.

Harms, Albert G., Chicago, Ill. Method of and apparatus for heating corrosive chemicals. 1,585,671; May 25.

Harpstrite, Augustus J., assignor of one-half to F. Harpstrite, Los Angeles, Calif. Airplane safety device. 1,585,978; May 25.

Harpstrite, Fred. (See Harpstrite, Augustus J., assignor.)

Harris Automatic Press Company, The. (See Harrold, Charles W., assignor.)

Harrison, Benjamin L., Maplewood, Mo. Clarifier. 1,585,979; May 25.

Harrold, Charles W., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Dampening mechanism. 1,585,672; May 25.

Hartman, James F., Fall River, assignor to The Stafford Company, Boston, Mass. Feeler tip for side-slipping feelers. 1,586,502; May 25.

Hartsock, Frank R., assignor of one-third to C. O. Dickey and one-third to L. E. Dickey, Warsaw, Ind. Sleeve remover and replacer. 1,585,707; May 25.

Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,708; May 25.

Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,709; May 25.

Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,710; May 25.

Haslett Chute and Conveyor Company. (See Beaver, Gail D., assignor.)

Hatfield, Schuyler C., Baltimore, Md. Tire. Des. 70,223; May 25.

Hatt, Harold O., Seattle, Wash. Combination match box. 1,585,980; May 25.

Haulman, Alfred A., Lebanon, Pa. Slicing device. 1,585,711; May 25.

Hawkins, Frank R., and S. P. Wilson, Los Angeles, Calif. Telephone-receiver attachment. 1,585,981; May 25.

Hawn, John W., Kansas City, Mo. Pedal-control mechanism. 1,585,855; May 25.

Hawks, Horatio C., Newton Center, assignor to Wheeler Reflector Company, Boston, Mass. Reflector. 1,585,712; May 25.

Headley, Daisy J., deceased; H. M. Headley, administrator, assignor of one-half to B. D. Talley, Bogalusa, La. Shoe-heel protector. 1,585,856; May 25.

Headley, Hugh M., administratrix. (See Headley, Daisy J.)

Heckman, William S., Massillon, Ohio. Universal planer. 1,586,197; May 25.

Hedenskoog, Ernest, Muskegon, Mich. Bowling pin. 1,585,857; May 25.

Heim Grinder Company, The. (See Heim, Lewis R., assignor.)

Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Grinding apparatus. 1,585,982; May 25.

Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Art and apparatus for grinding. 1,585,983; May 25.

Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Grinding. 1,585,984; May 25.

Heiń, Richard, Witkowitz, Czechoslovakia. Rolling machine. 1,586,150; May 25.

Heinrich, Jean M., assignor to Société des Moteurs Salmson (Système Canton-Unné), Paris, France. Lubricating arrangement for motors. 1,585,985; May 25.

Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Nappy. Des. 70,224; May 25.

Hendrickson, Ralph L., Midwest, Wyo. Stuffing box. 1,586,304; May 25.

Henderson, David R., and A. H. Hill; said Henderson assignor of his interest to E. H. Sleeth, Arkansas City, Kans. Apparatus for handling sludge acids. 1,585,986; May 25.

Hennessy, Francis W., Providence, R. I. Roof-edging device. 1,585,987; May 25.

Henriksen, Christian. (See Krogh, O., and Henriksen.)

Henricks, Henry E., Beaver, assignor to United States Sanitary Manufacturing Company, Pittsburgh, Pa. Material-handling apparatus. 1,586,084; May 25.

Henritzi, Joseph, Spokane, Wash. Rotary rock drill. 1,586,243; May 25.

Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Thermally-controlled door closer. 1,586,198; May 25.

Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Dash lamp. 1,586,244; May 25.

Herr, Herbert T., Philadelphia, and L. L. Smith, Ridley Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Turbine-blade fastening. 1,585,713; May 25.

Hess, Louis F., Ansted, W. Va., assignor to Daniel Boone Mining Machine Company. Bit or cutting tool. 1,586,151; May 25.

Hesse, George, assignor to Electric Sign Flasher Corporation, Los Angeles, Calif. Electric-current controller. 1,585,988; May 25.

Heublein, Wilhelm O., Frankfort-on-the-Main, Germany. Ampulla consisting of several parts. 1,585,911; May 25.

Heublein, Wilhelm O., Frankfort-on-the-Main, Germany. Ampulla with separated compartments for liquids to be injected. 1,585,912; May 25.

Hiatt, Enos B., Palisade, Colo. Basket-lidding tool. 1,585,858; May 25.

Higgins, Eric B., assignor to United Water Softeners Limited, London, England. Treating minerals. 1,586,365; May 25.

Higgins, John J. (See Madden, H. D., and Higgins.)

Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Method of and apparatus for sealing mounts in electric lamps. 1,585,913; May 25.

Higginson, Joseph, Stockport, England. Making spinning rings. 1,585,989; May 25.

Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Pump. 1,586,307; May 25.

Hill, Albert H. (See Henderson, D. R., and Hill.)

Hill, Harold O., Aspinwall, assignor to Riter-Conley Manufacturing Company, Leetsdale, Pa. Footing for structural elements. 1,586,085; May 25.

Hinkley, Donald F., Gothenburg, Nebr. Battery tester. 1,586,445; May 25.

Hitchcock, James E., Torrance, Calif. Sucker-rod hanger. 1,585,914 May 25.

Hodgkins, Joseph, Walsall, England. Key case. 1,586,086; May 25.

Hoeftmann, Alexander O. (See Budlong, G. W., and Hoeftmann.)

Hohaus, George E., Forman, N. Dak. Hay and grain stacker and loader. 1,585,915; May 25.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,585,916; May 25.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,585,917; May 25.

Holst, Gilles, E. Oosterhuis, and J. Bruijnes, assignors to Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken, Eindhoven, Netherlands. Electrical discharge device. 1,586,199; May 25.

Homrighous, John H., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,586,308; May 25.

Hooley, John W., Larchmont, N. Y. Fuse. 1,585,859; May 25.

Hopkins Corporation. (See Hopkins, Marcus C., assignor.)

Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. Des. 70,225; May 25.

Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. Des. 70,226; May 25.

Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)

Houghton, Eli K., Los Angeles, Calif. Apparatus for coating with glass or enamel. 1,585,990; May 25.

Houx, Charles E., Erick, Okla. Shock absorber. 1,586,510; May 25.

Howald, Arthur M., Pittsburgh, Pa., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Wood preservation. 1,585,860; May 25.

Howard, Valgene, Flint, Mich. Spark arrester. 1,585,714; May 25.

Howe, Charles C., Wyoming, R. I., and S. W. Libby, Watertown, assignors to Warren Soap Manufacturing Company, Boston, Mass. Cooling compound for axles. 1,586,087; May 25.

Hubbard, Burtt J. (See Albright, N. T., and Hubbard.)

Hucker, Louis F., Harper, Ore. Front radius rod for motor vehicles. 1,586,152; May 25.

Hudson, Charles S. (See Frederiksen, J., and Hudson.)

Huerth, Theodore, Sauk City, Wis. Quick stacker. 1,585,715; May 25.

Huff, William H., New York, N. Y. Surgical splint. 1,585,861; May 25.

Huffman, Edwin E., St. Louis, Mo. Liquid-level-indicating device. 1,586,200; May 25.

Hughson, George W. (See Bacon, A. S. and Hughson.)

Hügo, Theodor, Wilmersdorf, near Berlin, Germany. Machine for gumming envelopes, paper bags, and the like. 1,586,366; May 25.

Hulin, Paul L., Grenoble, France. Preparation of sodium. 1,585,716; May 25.

Hult, Carl A., Stockholm, Sweden. Planet gear. 1,586,309; May 25.

Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Sash lock. 1,585,717; May 25.

Hunt, Harry H., Los Angeles, Calif. Casing for a vending machine. Des. 70,227; May 25.

Hunter, Herbert L., Cleveland, Ohio. Plumb level. 1,586,153; May 25.

Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Adjustable doorstop. 1,586,245; May 25.

Hutchinson Manufacturing Co. (See Boyce, Edwin D., assignor.)

Ile, William, Jackson, Mich. Keyless lamp socket. 1,585,991; May 25.

Ile, William, Jackson, Mich. Cap and shell fastening for lamp-socket casings. 1,585,992; May 25.

Immell, Omer F. (See Kirchner, E., Immell, and Pieper.)

Impens, Emil, Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Laxative. 1,586,039; May 25.

Impens, Emil, Vohwinkel, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Laxative. 1,586,040; May 25.

Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)

Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Bayles, L. C., and Slater, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Levine, Hyman, assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Ingersoll-Rand Company. (See Sturrock, James, assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Motor Company. (See Josephs, Lyman C., jr., assignor.)
Interstate Bag Co. (See Du Bois, Abram J., assignor.)
Irrgang, William F., Chicopee, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Beveling and sealing clamp. 1,585,918; May 25.
Irving, James A., New York, N. Y., assignor by direct and mesne assignments to Percolator Pipe Co., Inc. Percolator. 1,585,919; May 25.
Isabelle, Emory A., Chicopee, and H. J. Newell, Springfield, Mass. Baseball game. 1,585,920; May 25.
Jackson, Frederick H. (See Bailey, F., and Jackson.)
Jackson, James M., Parkersburg, W. Va. Lubricating system for automobiles and other motor cars. 1,585,719; May 25.
Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Mounting. 1,585,718; May 25.
Jacques, Jean, Philadelphia, Pa., assignor, by mesne assignments, to F. Paquette, Detroit, Mich. Trunk. 1,586,446; May 25.
James, Arthur M., Johnstown, Pa. Container. 1,586,447; May 25.
James Mfg. Company. (See Olson, John B., assignor.)
Jamieson, Robert, Utica, N. Y., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 1,585,921; May 25.
Jamison, Charles R., Canton, assignor to The Enterprise Aluminum Company, Massillon, Ohio. Frying basket. Re16,355; May 25.
Jellow, Timothy, assignor of one-half to G. Di Bond, Quincy, Mass. Letter. 1,586,088; May 25.
Jemmison, John W. (See Clayton, R. F., and Jemmison.)
Jenks and Muir Manufacturing Co. (See Coda, Christopher F., assignor.)
Jennings, Arthur L., Cleckheaton, England. Machinery or apparatus for washing coke, breeze, and the like. 1,585,720; May 25.
Jessop, George A., assignor to S. Morgan Smith Company, York, Pa. Breakable link for turbine gates. 1,585,862; May 25.
Johnson, Carl W., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Machine for printing arc-lamp carbons. 1,586,310; May 25.
Johnson, Edward E., St. Paul, Minn. Machine for making well screens from metallic tubes. 1,586,311; May 25.
Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric-lamp socket. 1,586,367; May 25.
Johnson, George A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,721; May 25.
Johnson, George A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,586,312; May 25.
Johnson, Harley S., Erwin, Tenn. Safety device for locomotive trucks. 1,586,448; May 25.
Johnson, Robert C., assignor to Cube Teapots Limited, Leicester, England. Milk jug or similar article. Des. 70,228; May 25.
Johnson, Robert C., assignor to Cube Teapots Limited, Leicester, England. Teapot. Des. 70,229; May 25.
Jonas, Julius. (See Maurois, F., Seitz, and Jonas.)
Jones, Edward S. and N. T., Mobile, Ala. Life-saving gate on railway crossings. 1,585,993; May 25.
Jones, Frank, Salt Lake City, Utah. Digging machine. 1,585,863; May 25.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Process and apparatus for the separation of immiscible substances. 1,586,449; May 25.
Jones, Nicholas T. (See Jones, Edward S. and N. T.)
Jones Superior Machine Company. (See Walker, Fred G., assignor.)
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gripper. 1,585,722; May 25.
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Interlock device for rail-car-control systems. 1,585,723; May 25.
Josi, Samuel E. (See Thatcher, H. S., and Josi.)
Joyce, Bryan P., Davenport, Iowa, assignor to T. A. Conlon, Silver Spring, Md. Packing. 1,585,864; May 25.
Joyce, James D., Philadelphia, Pa. Winding machine. 1,585,865; May 25.
Jurrissen Alphonsus, Martinez, assignor to Simplex Refining Company, San Francisco, Calif. Using concentrated decolorizing clays for refining lubricating oils. 1,585,922; May 25.
Kaessmann, Frederick G., et al. (See Champoux, George, assignor.)
Kallajian, Lazarus S., Boston, Mass. Brake for scooters. 1,586,041; May 25.
Karnes, Orel S., sr., La Grange, Ill. Coffeepot. 1,586,154; May 25.
Kauffmann, Frederick, New York, N. Y., assignor to Automotive Gauge Co., Inc. Manometer for liquid-level indicators. 1,586,201; May 25.
Kay, George H. (See Carley, L. R., and Kay.)
Kegg, John P., Pittsburgh, Pa. Making acidproof alloys and product thereof. 1,586,368; May 25.
Keller, Jeremiah, assignor to The Timken Roller Bearing Company, Canton, Ohio. Machine for gauging roundness and taper of rolls. 1,586,155; May 25.
Keller, Jeremiah, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roll-gauging machine. 1,586,156; May 25.
Kellogg, John H., and N. E. Goodrich, assignors to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,585,923; May 25.
Kellogg Switchboard and Supply Company. (See Currier, H. D., and Eaton, assignors.)
Kelly, Joseph M., Newark, N. J. Rule clip or holder. 1,586,202; May 26.
Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeater circuits. 1,585,866; May 25.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,586,313; May 25.
Kerst, John G., Springfield, Ill. Tractor cultivator. 1,586,042; May 25.
Kerst, John G., Springfield, Ill. Governor for internal-combustion engines. 1,586,043; May 25.
Kettering, Charles F., and G. A. Buvinger, assignors to Delco-Light Company, Dayton, Ohio. Water system. 1,585,994; May 25.
Kidwell Boiler Company. (See Bonus, G. Y., and Kidwell, assignors.)
Kidwell, Edgar. (See Bonus, G. Y., and Kidwell.)
Kiefer, Michael, Munich, Germany. Clamp. 1,586,314; May 25.
Kiesling, Paul W., Tipton, Mo. Cross-word puzzle game. 1,586,429; May 25.
Kiester, Carl, Yenger, Okla. Power generator. 1,586,203; May 25.
Kirchner, Edward, O. F. Immell, and C. R. Pieper, assignors to Lox-Ford Lock Company, La Crosse, Wis. Transmission-locking device. 1,586,246; May 25.
Kline, Opal E., Glidden, Iowa. Vehicle light reflector. 1,585,995; May 25.
Klinger, F. W., and Langbein Co. (See Ehrlinger, Arthur, assignor.)
Kobe, Inc. (See Coberly, Clarence J., assignor)
Kohman, Ernest J., Dillon, Kans. Clutch. 1,585,996; May 25.
Kokomo Automotive Mfg. Co. (See Albright, N. T., and Hubbard, assignors.)
Kolaries, Steve, Steelton, Pa. Railway-crossing gate. 1,586,430; May 25.
Kollin, Bertha, New York, N. Y. Doll. 1,586,247; May 25.
Komura, Mitsujiro, San Francisco, Calif. Cigarette case. 1,586,248; May 25.
Koplow, Nathan, Sioux Falls, S. Dak. Fountain-pen-cap lock. 1,586,369; May 25.
Krauthoefer, Chester J., Milwaukee, Wis. Flexible shoe. 1,585,924; May 25.
Krewson, Frank H., Philadelphia, Pa. Window shield. 1,586,089; May 25.
Krough, Otto, and C. Henriksen, Detroit, Mich. Manufacturing of tubes. 1,586,249; May 25.
Kruse, Charles C., Modesto, Calif. Recording and detecting system. 1,585,867; May 25.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Lamp-closure fastening. 1,585,868; May 25.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,586,090; May 25.
Kurtz, C. W., Pittsburgh, O. M. Byers, Kane, L. R. Schmertz, Ligonier, and L. A. Gessner, Jeannette, assignors to Window Glass Machine Company, Pittsburgh, Pa. Method of and apparatus for handling glass. 1,586,091; May 25.
Kutaszewicz, Feliks, assignor to the Firm Spolka Lidowiecka Handlowo-Przemyslowa Sp. Z. O. O., Warsaw, Poland. Disintegrating machine. 1,585,997; May 25.
Kyrides, Lucas P. (See Livingston, J. W. and Kyrides.)
L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
Laborda, Richard, Brooklyn, N. Y. Climbing device. 1,585,925; May 25.
Lamoureux, George, Worcester, Mass., assignor to Scott Paper Company. Paper-making machine. 1,586,204; May 25.
Lane, Victor E., assignor of one-half to F. L. Schwartz, jr., Detroit, Mich. Shaft coupling. 1,586,250; May 25.

Lang, Ablon S., Jamaica Plain, Mass. Saxophone-supporting cord. 1,586,251; May 25.
Lange, Frederick C. and P. W., Casper, Wyo. Anti-rattler for automobile cam shafts. 1,586,450; May 25.
Lange, Paul W. (See Lange, Frederick C. and P. W.)
Lange, William F., assignor to Elgin Butter Tub Co., Elgin, Ill. Tub fastener. 1,586,370; May 25.
Lape, Alfred G., Hammondsport, N. Y. Magazine ink-distributing device for printing presses. 1,586,371; May 25.
Larvex Corporation, The. (See Stiriss, Jacob, assignor.)
Lasker, Charles H., Joliet, Ill., assignor to General Refractories Company, Philadelphia, Pa. Pallet cleaner. 1,585,869; May 25.
Laster, Harry W., Oak Park, assignor of one-half to C. H. White, Chicago, Cook County, Ill. Street-paving roller. 1,586,157; May 25.
Latshaw, John M. (See Rich, Homer, assignor.)
Lawton, Mark A., Newton, Mass. Flow-cut-off pipe fitting. 1,585,726; May 25.
Laughlin, Elmyr A., Oregon, Ill. Coupler-centering device. 1,586,252; May 25.
Lauterbur, Frank X., Sidney, Ohio. Loaf-molding machine. 1,585,724; May 25.
Lauterbur, Frank X., Sidney, Ohio. Dough mixer. 1,585,725; May 25.
Lauzon, Ludger, Chicago, Ill. Folding bed and boat attachment for automobiles. 1,585,926; May 25.
Lehmann, Kurt, assignor to So-Me-On Corporation, New York, N. Y. Appliqué motif. Des. 70,230; May 25.
Leick, Nicolas, assignor to the Société Leroy & Cie., Paris, France. Machine for making hat shapes. 1,586,092; May 25.
Leitch, Harold, Hornings Mills, Ontario, Canada. Pick-up apparatus for root loaders. 1,585,727; May 25.
Leitner, Joseph, Manitou, Colo. Waffle iron. 1,586,093; May 25.
Lents, John M., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,231; May 25.
Letzig, William. (See Pearson, R. M., and Letzig.)
Lewis, Frank J., Winner, S. Dak. Scissors gauge. 1,585,927; May 25.
Levine, Hyman, Denver, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,586,205; May 25.
Levisson, Levie, The Hague, Netherlands. Deep-printing form and preparing same. 1,585,998; May 25.
Libbey Glass Company, The. (See Danner, Edward, assignor.)
Libby, Stephen W. (See Howe, C. C., and Libby.)
Libbey-Owens Sheet Glass Company. (See Ferngren, Enoch T., assignor.)
Liberatore, Joseph J. (See Roppert, George C., assignor.)
Liggett, James, Chicago, Ill. Clothes wringer. 1,586,451; May 25.
Linerusta-Walton Company. (See Abolin, Harry T., assignor.)
Lindburg, Joseph, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,586,094; May 25.
Linderman, Bert A., New York, N. Y., assignor to Muskegan Machine Company, Muskegan, Mich. Positioning mechanism. 1,585,776; May 25.
Linotype and Machinery Limited. (See Drake, Tom, assignor.)
Littlejohn, Charles F., New Haven, Conn. Corset, girdle, and the like. 1,585,928; May 25.
Livingston, John W., St. Louis, Mo., and L. P. Kyrides, Buffalo, N. Y. Manufacture of mononitrochlorobenzene. 1,586,253; May 25.
Lockwood, Marquis H. (See Ellers, H. K., and Lockwood.)
Loessel, Paul, Elizabeth, N. J. Governor. 1,585,929; May 25.
Loew, Charles H., Avon Lake, assignor to The Loew Manufacturing Company, Cleveland, Ohio. Machine for applying clamping rings to objects. 1,585,777; May 25.
Loew Manufacturing Company, The. (See Loew, Charles H., assignor.)
Long, Albert R., New York, and R. P. Clarkson, New Rochelle, assignors to L. Best, deceased, New York, N. Y.; S. T. Callaway, executor. Fruit-juice extractor. 1,586,095; May 25.
Loomis, Allen, Toledo, Ohio. Center bearing for key mechanism of wood-wind instruments. 1,586,206; May 25.
Loose Seat Valve Company. (See Wilson, Wylie G., assignor.)
Lowe, Henry A., Cleveland, Ohio. Test indicator. 1,585,778; May 25.
Lower, Nathan M., Pittsburgh, Pa. Locomotive stoker. 1,585,930; May 25.
Lovejoy, Alfred A., South Bend, Ind. Seesaw. 1,586,254; May 25.
Lovsted, C. M. (See McCarthy, Frank W., assignor.)
Lox-Ford Lock Company. (See Kirchner, E., Immell, and Pieper, assignors.)
Lucey Manufacturing Corporation. (See Breeland, Walter G., assignor.)
Luckenbill, Bert W., Alloway, N. J. Game apparatus. 1,586,315; May 25.
Ludwig & Ludwig. (See Elliott, James M., assignor.)
Lumiere, Louis, Lyon, France. Loud-speaking apparatus of the electromagnetic type. 1,586,452; May 25.
Lundeen, Nels J., Portland, Oreg. Extension table. 1,585,999; May 25.
Lundeen, Nels J., Portland, Oreg. Locking device for extension tables. 1,586,000; May 25.
Lynch, Edward A., Penfield, Pa. Bumper for automobiles. 1,586,096; May 25.
Lynch, Wesley. (See Funk, J. R., and Lynch.)
Lyons, John J., et al. (See McCarthy, J. F., and Ofeldt, assignors.)
Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation, Dover, Del. Feed-processing apparatus. 1,585,931; May 25.
Mabee, John T., assignor to Raymond Bros. Engineering Co., Chicago, Ill. Burning lime. 1,586,318; May 25.
Mabee Patents Corporation. (See Mabee, Charles R., assignor.)
Mac Sim Bar Paper Company. (See Eurich, Harry E., assignor.)
MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Canada. Oven for electric ranges. 1,586,158; May 25.
Mädler, Franz Louis, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio. Valve-cooling device. 1,585,932; May 25.
Madden, Harry D., Newark, and J. J. Higgins, East Orange, N. J., assignors to Westinghouse Lamp Company. Grid-making machine. 1,585,905; May 25.
Maedler Engine Corporation. (See Mädler, Franz L., assignor.)
Mandler, Eugen and O., Vienna, Austria. Adjustable manuscript holder. 1,586,098; May 25.
Mandler, Otto. (See Mandler, Eugen and O.)
Mangham, John J., and J. M. Slate, Bremen, Ga. Rail-joint lock and stabilizer. 1,585,728; May 25.
Mann, John E., Snohomish, Wash. Road map and winding mechanism therefor. 1,586,372; May 25.
Mann, Richard E., New Brighton, N. Y. Thermometer. Des. 70,232; May 25.
Mann, Richard E., New Brighton, N. Y. Thermometer. Des. 70,233; May 25.
Mansfield, William A., administrator. (See Eurich, Harry E.)
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Production of refractory oxide ware. 1,585,779; May 25.
Markoe, George B., Brighton, Mass. Oil burner. 1,586,373; May 25.
Marquez, Ramon, Detroit, Mich. Freezing-ices machine. 1,586,256; May 25.
Martha, Oscar, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 70,234; May 25.
Martin, Ernest, Aix-en-Provence, France. Manufacturing cements containing iron and alumina combinations. 1,586,099; May 25.
Martin, George C., Los Angeles, Calif. Shock absorber. 1,586,207; May 25.
Marstellar, John J., Los Angeles, Calif. Milk-bottle construction. 1,585,673; May 25.
Martin, John P., Pittsburgh, Pa. Washing machine. 1,586,374; May 25.
Mascuch, Joseph J., East Orange, N. J. Automobile bumper. 1,585,780; May 25.
Mascuch, Joseph J., East Orange, N. J. Automobile bumper. 1,585,781; May 25.
Mascuch, Joseph J., East Orange, N. J. Automobile bumper. 1,585,782; May 25.
Mason, Singleton W., assignor of two-thirds to T. L. Cockrell, Kansas City, Mo. Self-locking duplex box. 1,585,783; May 25.
Mason, William H., Laurel, Miss. Low-temperature explosion process of disintegrating wood and the like. 1,586,159; May 25.
Master, Albert, Park Ridge, Ill. Clutch. 1,585,906; May 25.
Matte, Andrew L., New York, N. Y., assignor to American Telephone and Telegraph Company. Emergency switching mechanism. 1,585,729; May 25.
Mauron, François, O. Seitz, and J. Jonas, Baden, Switzerland. Molecular vacuum pump. 1,586,160; May 25.
Maybach, Karl, assignor to the Firm Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Oil-draining device for internal-combustion engines. 1,586,208; May 25.
Maybach-Motorenbau Gesellschaft mit beschränkter Haftung. (See Maybach, Karl, assignor.)
Mayer, Louis, Kaukauna, Wis. Snow attachment for automotive vehicles. 1,586,209; May 25.
McCarthy, Frank W., Mass. P. I., assignor to C. M. Lovsted, Seattle, Wash., doing business as C. M. Lovsted Co. Car pedestal and sill bracket. 1,586,255; May 25.
McCarthy, John F., Pittsburgh, Pa., and F. W. Ofeldt, Detroit, Mich., assignors of one-eighth to J. J. Lyons and three-eighths to J. H. Weeks, Pittsburgh, Pa. Carburetor. 1,586,097; May 25.
McConnell, Otis L., Los Angeles, Calif. Locomotive booster-motor control. 1,586,453; May 25.
McIntyre, Frank J., Hartford, Conn. Tool. 1,585,903; May 25.
McLeroth, T. B., (Tubes) Limited. (See McLeroth, Thomas B., assignor.)

McLeroth, Thomas B., assignor to T. B. McLeroth (Tubes) Limited, London, England. Method of and apparatus for manufacturing multicellular air tubes for pneumatic tires. 1,585,904; May 25.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Fireplace basket. Des. 70,235; May 25.
McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,586,316; May 25.
McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,586,317; May 25.
McTague, Hollis A., East Holden, Me. Primer for internal-combustion engines. 1,586,454; May 25.
Medén, Elof H., Short Hills, assignor to American Gasaccumulator Company, Elizabeth, N. J. Lens head for a traffic signal. Des. 70,236; May 25.
Meigs, Bassett & Slaughter, Inc. (See Bassett, H. P., and Banigan, assignors.)
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
Mergenthaler Linotype Company. (See McNamara, James G., assignor.)
Merrill Company, The. (See Shuey, Herbert S., assignor.)
Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
Metcalf, Howard H., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Sealing machine. 1,586,375; May 25.
Meyer, Joseph A., Newark, N. J. Ring roll for leather-splitting machines. 1,586,100; May 25.
Meyerson, Max, New York, N. Y. Tool box. 1,586,319; May 25.
Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Tilting device for automobile headlight reflectors. 1,585,674; May 25.
Mid-West Box Company. (See Frisbie, Henry N., assignor.)
Miles, Lester H., Los Angeles, Calif. Siren and driving means therefor. 1,586,101; May 25.
Miller, Charles, Brooklyn, N. Y. Clamp. 1,586,102; May 25.
Miller, George A., Los Angeles, Calif. Combination hand traffic signal and trouble lamp. 1,586,001; May 25.
Miller, John S., jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Treatment of oils and hydrocarbons. 1,586,376; May 25.
Miller, Joseph F., Des Moines, Iowa. Conduit joint. 1,586,002; May 25.
Miller, Lindsay, Fremantle, Western Australia, Australia. Retreading of pneumatic tires. 1,585,933; May 25.
Miller, Perry K., Montclair, N. J. Golf club. 1,585,907; May 25.
Miller Rubber Company, The. (See Bulley, George W., assignor.)
Miller, Thomas S., South Orange, N. J. Winding engine. 1,586,210; May 25.
Miller, William H., Wiconisco, Pa. Drilling machine. 1,586,103; May 25.
Mills, Bertie E., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Apparatus and method for punching music sheets. 1,586,257; May 25.
Mills, Fred L., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Coin-controlled machine. 1,586,455; May 25.
Mills, Herbert S., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Electrical musical instrument. 1,586,258; May 25.
Mills, Herbert S., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Tremolo device for self-playing stringed instruments. 1,586,259; May 25.
Mills, Herbert S., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Hammer-rail control. 1,586,260; May 25.
Mills Novelty Company. (See Mills, Bertie E., assignor.)
Mills Novelty Company. (See Mills, Fred L., assignor.)
Mills Novelty Company. (See Mills, Herbert S., assignor.)
Mine, John, New York, N. Y. Compressor. 1,586,211; May 25.
Mindling, Grover N., Pittsburgh, Pa. Adding machine. 1,585,675; May 25.
Miner, W. H., Inc. (See Dath, Charles E., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Johnson, George A., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Missy, Paul, Krefeld, Germany. Dyeing hanks. 1,586,377; May 25.
Mitchell, Allister S., assignor to California Cotton Mills Company, Oakand, Calif. Towel-folding machine. 1,586,456; May 25.
Mitchell, Frederick G., London, England. Apparatus for tipping railway wagons. 1,585,730; May 25.
Monerief, Lawrence J., Winfield, Kans. Grid leak. 1,586,457; May 25.
Moore, D., Company, Limited. (See MacInnes, Robert H., assignor.)
Moore, William N., Washington, D. C. Cylinder-boring machine. 1,586,378; May 25.
Moorman, Frederick B., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Change valve. 1,585,908; May 25.
Morehouse, Oary A., Cameron, Mo. Blow-out patch. 1,586,104; May 25.
Morris, James B. (See Cooper, J. W., and Morris.)
Moulet, Jean L. L. A. A., Paris, France. Pipe coupling. 1,586,105; May 25.
Moulton, Harley C., Maplewood, Mo., assignor to L. M. Stein, Winnetka, Ill. Blindstitch sewing machine. 1,585,676; May 25.
Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Diagnostic needle. 1,585,934; May 25.
Muller, Jakob. (See Staudinger, H., Stocker, Tobler, Bucher, and Mueller.)
Müller-Clemm, Hellmuth, Mannheim, and E. Schmidt, assignors to the Firm Gesellschaft für Chemische Produktion m. b. H., Mannheim-Waldhof, Germany. Making a highly-active charcoal in grains. 1,586,106; May 25.
Muncy, John I., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Lever. 1,585,935; May 25.
Murphy, Walter P. (See Gilpin, Garth G., assignor.)
Muskegon Machine Company. (See Linderman, Bert A., assignor.)
Myers, Leonidas H., Seymour, Ind. Dead-fall trap. 1,586,107; May 25.
N. V. Machina Maatschappij vor Handel en Industrie. (See Fischer, Oskar, assignor.)
Naamlooze Vennootschap Philips' Gloeilampen-Fabrieken. (See Holst, G., Oosterhuis, and Bruijnes, assignors.)
Nabors, Emery R., assignor of one-half to T. E. Breed, San Antonio, Tex. Advertising device. 1,586,261; May 25.
Nalls, Erroll J., Detroit, Mich. Indicating number and plate. 1,586,161; May 25.
National Autometer Restaurant Corporation. (See Boyce, Girard, assignor.)
National Malleable and Steel Casting Company. (See Cole, Leland D., assignor.)
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, New Castle, Del. Quick-action diaphragm-operated valve. 1,586,108; May 25.
Nederlandsche Technische Handel Maatschappij "Giro". (See Anschutz-Kaempfe, Hermann, assignor.)
Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Spectacle temple. 1,586,109; May 25.
Nelson, Martin L., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Code signaling system. 1,585,909; May 25.
Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet. 1,586,320; May 25.
Nemec, Frank L., assignor to Feglea Construction Company, Limited, Minneapolis, Minn. Raising concrete molds. 1,586,212; May 25.
New Jersey Zinc Company, The. (See Borcherdt, Walter O., assignor.)
Newby, Henry H., San Quentin, Calif. Surf board. 1,586,453; May 25.
Newell, Harry J. (See Isabelle, E. A., and Newell.)
Newhouse, Frank F., Glendale, Calif. Spectacles. 1,586,110; May 25.
Newport, Charles F., Chicago, Ill. Sectional core. 1,586,321; May 25.
Newspaper Stuffing Machines Co. (See Halvorsen, Severin, assignor.)
Nielsen, Laurits A., Seattle, Wash. Display stand. 1,586,213; May 25.
Noble, Rocco, South Greensburg, Pa. Toothbrush. 1,586,262; May 25.
Noble, Victor A., Laurens, Iowa. Foot accelerator. 1,586,003; May 25.
Noftzger, Charles F., et al. (See Braley, Charles L., assignor.)
North Electric Manufacturing Company, The. (See Clement, Edward E., assignor.)
Norton, Edward C., Rochester, N. Y. Vehicle brake. 1,586,214; May 25.
Norton, Fred H., Manchester, Conn. Piston ring. 1,586,459; May 25.
Norviel, Harry E. (See Welson, C. E., and Norviel.)
Noteboom, Hubert, Philadelphia, Pa. Vending machine. 1,586,460; May 25.
Oakes, Frank J., Indianapolis, Ind. Internal-combustion engine. 1,585,731; May 25.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,677; May 25.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,678; May 25.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,679; May 25.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,585,680; May 25.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,586,322; May 25.

O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,586,323; May 25.
O'Dowd, Henry W., Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md. Heating apparatus. 1,586,324; May 25.
Ofeldt, Frank W. (See McCarthy, J. F., and Ofeldt.)
Older, Clifford, Springfield, Ill. Device for smoothing the surface of concrete pavements. 1,586,325; May 25.
Older, Clifford, Springfield, Ill. Metallic expansion joint for concrete roads and the like. 1,586,326; May 25.
Olevin, Adolph, Highland Park, Mich. Thimble. 1,585,936; May 25.
Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Illuminated instrument mount. 1,585,784; May 25.
Olson, John B., assignor to James Mfg. Company, Fort Atkinson, Wis. Feeder for fowls. 1,585,910; May 25.
O'Neill, Richard J., Denver, Colo. Flue cutting, cleaning, and welding machine. 1,586,263; May 25.
Oosterhuis, Ekko. (See Holst, G., Oosterhuis, and Bruijnes.)
Oppenheim, Ferdinand S., New York, N. Y. Container. 1,585,682; May 25.
Oppenheim, Ferdinand S., New York, N. Y. Container. 1,585,683; May 25.
Oppenheim, Ferdinand S., New York, N. Y. Container. 1,585,684; May 25.
Oppenheimer, Edwin, Philadelphia, Pa., assignor to Eagle Suspender & Belt Co., Inc., Philadelphia, Pa. Display carton. 1,585,681; May 25.
Osborn, Vern M., Los Angeles, Calif. Game-counting device. 1,586,111; May 25.
Ostrander, William C., Pittsfield., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 70,237; May 25.
Ostrander, William C., Pittsfield, assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 70,238; May 25.
Otterson, George W., Seattle, Wash., assignor to Auto Truck Industrial Appliances, Inc., New York, N. Y. Self-loading vehicle. Re16,356; May 25.
Otto, Arthur J., and C. L. Fortier, Milwaukee, Wis. Valve. 1,585,732; May 25.
Package Machinery Company. (See Smith, Elmer L., assignor.)
Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Conveyer. 1,585,685; May 25.
Padovani, François, Paris, France. Life guard for motor vehicles. 1,586,461; May 25.
Page, Alfred, Berkeley, Calif. Can opener. 1,586,264; May 25.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,239; May 25.
Paisseau, Jean, Paris, France. Support serving as core for beads during their manufacture. 1,586,462; May 25.
Palmer, Joel C. R., New Rochelle, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,586,162; May 25.
Pantoflíček, Bohdan, Plisen, Czechoslovakia. Fuse for projectiles. 1,585,686; May 25.
Paquette, Frederick. (See Jacques, Jean, assignor.)
Paquette, Frederick, Cottrellville Township, St. Clair County, Mich. Weather strip for containers. 1,586,463; May 25.
Parker, Clarence W., Yountville, Calif. Vineyard-brush rake. 1,585,870; May 25.
Paris, Auguste J., jr., Bradford, Pa. Cracking or otherwise altering the composition of hydrocarbons. 1,585,687; May 25.
Parmley, Walter C., Upper Montclair, N. J. Molding apparatus for concrete articles. 1,585,785; May 25.
Parsons Casket Hardware Company. (See Parsons, Paul L., assignor.)
Parsons, Paul L., assignor to Parsons Casket Hardware Company, Belvidere, Ill. Casket-handle lug plate. Des. 70,240; May 25.
Patten, Charles H., assignor to Rex Manufacturing Co., Providence, R. I. Bracelet hook. 1,586,112; May 25.
Paul, Edward C., Elkhart, Ind. Mattress-display rack. 1,585,937; May 25.
Paulding, John I., Inc. (See Johnson, Frank E., assignor.)
Pawling, Henry J. (See Crispin, H. A., and Pawling.)
Pearson, Raleigh M., and W. Letzig, Little Rock, Ark. Sign. 1,586,464; May 25.
Pease, Isaac M., Cincinnati, Ohio. Ankle support. 1,585,938; May 25.
Pedersen, Johannes O., Brooklyn, N. Y. Theftproof bag. 1,586,113; May 25.
Peerless Manufacturing Company. (See McMinn, John E., assignor.)
Pels, Edward M., San Francisco, Calif. Collapsible luggage carrier for vehicles. 1,585,871; May 25.
Pence, Edward H., Portland, Oreg. Manufacture of transparencies. 1,586,114; May 25.
Penn Head Set Company Incorporated. (See Timmons, John S., assignor.)
Percolator Pipe Co. (See Irving, James A., assignor.)
Perdue, William B., assignor to Emco Manufacturing Company, Oakland, Calif. Air hose and lighting tower. 1,586,465; May 25.
Perkins, Alonson D., New York, N. Y. Protective shutter for shop windows. 1,585,783; May 25.
Perry, Charles V., West Haven, Conn., assignor of one-half to L. P. Bosworth, Barrington, R. I. End fitting. 1,585,688; May 25.
Perrott, George S., Pittsburgh, Pa., and M. Yablick, New York, N. Y., said Perrott assignor to said Yablick. Purification of air to render the same suitable for breathing. 1,586,327; May 25.
Petschel, William, assignor to C. K. Bennett, Owatonna, Minn. Storage-battery closure and forming the same. 1,586,215; May 25.
Petsonis, Nick K., Chehalis, Wash. Direction signal for motor vehicles. 1,585,872; May 25.
Phelps, Charles, Oskaloosa, Iowa. Mechanical movement. 1,586,216; May 25.
Phillips', N. V., Gloeilampenfabrieken. (See Coster, D., and von Hevesy, assignors.)
Piener, Chester R. (See Kirchner, E., Immell, and Pieper.)
Piggot, Graham H., Chicago, Ill. Door-latch mechanism. 1,585,689; May 25.
Pioneer Suspender Company. (See Croasdale, John P., assignor.)
Pistor, Gustav, Griesheim-on-the-Main, and E. Borsbach, Bitterfeld, assignors to the Firm: Chemische Fabrik Griesheim Elektron, Griesheim-on-the-Main, Germany. Production of phosphorous products. 1,586,115; May 25.
Pittenger, Jacob A., Millburn, N. J. Antiskid device. 1,586,466; May 25.
Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Pin-fastening machine. 1,586,217; May 25.
Pond, Clarke F., Philadelphia, Pa. Sash construction. 1,586,379; May 25.
Pope Machine Company. (See Randall, Edison E., assignor.)
Poppenhusen, Herman A., Hammond, Ind. Method and apparatus for combining molten metal with gas. 1,586,328; May 25.
Pougher, Arthur W., York, England. Front glass for vehicle lamps. 1,585,873; May 25.
Powell, Earl M., Clermont, assignor, by mesne assignments, to The Prest-O-Lite Company, Inc., Indianapolis, Ind. Storage-battery terminal. 1,585,874; May 25.
Powell, William G., Altoona, Pa. Side door. 1,586,265; May 25.
Powell, William G., Altoona, Pa. Auxiliary door for freight cars. 1,586,266; May 25.
Prager, Victor. (See Andrews, A. F., and Prager.)
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See Erdman, Albert W., assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Pratt, Herbert E., Chicago, Ill., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller bearing. 1,585,690; May 25.
Prest-O-Lite Company, The. (See Powell, Earl M., assignor.)
Price, Manley R., Cleveland, Ohio, assignor to H. Crisp, St. Louis, Mo. Automobile tire. 1,585,875; May 25.
Pronini, Rocco, Smith River, Calif. Rail fastener. 1,585,734; May 25.
Pronini, Rocco, Smith River, Calif. Rail fastener. 1,585,735; May 25.
Pruden, C. D., Corporation. (See Davidson, Harry O., assignor.)
Pyramid Drug Company. (See Schlotthauer, Herman, assignor.)
Pyramid Iron Products Corporation. (See Ellers, H. K., and Lockwood, assignors.)
Quade, Charles, Janesville, Minn. Grain elevator and blower. 1,585,876; May 25.
Quentell, William P., New York, N. Y. Adding machine. 1,586,467; May 25.
R. & S. Valve Company, The. (See Thewes, William O., assignor.)
Radio Corporation of America. (See Clark, George H., assignor.)
Radium Emanation Corporation, The. (See Muir, Joseph, assignor.)
Rahn, Frans, assignor to C. H. Boehringer Sohn, Niederingelheim-on-the-Rhine, Germany. Production of glocusides of digitalis. 1,586,116; May 25.
Ramp Buildings Corporation. (See d'Humy, Fernand E., assignor.)
Randall, Edison E., Kankakee, assignor to Pope Machine Company, Chicago, Ill. Hosiery drying and finishing structure. 1,586,329; May 25.
Rappe, Edward J., Los Angeles, Calif. Combination spring movement and washing machine. 1,586,468; May 25.
Rathsburg, Hans, Furth, Germany. Primer composition. 1,586,380; May 25.
Ray, Charles T., assignor to B. F. Avery & Sons., Louisville, Ky. Cultivator. 1,586,381; May 25.
Raymond Bros. Engineering Co. (See Mabee, John T., assignor.)

Recker, Adolph C., Oakville, assignor to Chase Companies Inc., Waterbury, Conn. Force-feed oil can. 1,586,218; May 25.
Rector, Charles J., Monterey, assignor of one-half to T. L. O. Fassett, San Francisco, Calif. Felt-cutting tool. 1,586,267; May 25.
Reed, Clarence D., Portland, Ore. Conveyor for bakers' ovens. 1,586,382; May 25.
Reed, Elwood M., Detroit, Mich. Cosmetic server. 1,586,044; May 25.
Reed Roller Bit Company. (See Duda, Oswald, assignor.)
Reed, Sally C., San Francisco, Calif. Garment. 1,586,268; May 25.
Regelein, Wilhelm, and A. Glaubitz, Mulheim-Ruhr, Germany. Oscillation meter. 1,586,004; May 25.
Reliable Electric Company. (See Crane, J. G., and Wopat, assignors.)
Remote Control Valve and Manufacturing Company. (See Atherton, Charles, assignor.)
Revell, Alexander H., Chicago, Ill. Golf club. 1,586,469; May 25.
Rex Manufacturing Co. (See Patten, Charles H., assignor.)
Rhodes, Benjamin, Marcus Hook, Pa. Rail joining and gauging device. 1,586,470; May 25.
Rich, Homer, Vincennes, Ind., assignor of one-eighth to J. M. Latshaw, Oaktown, Ind. Automobile safety device. 1,586,117; May 25.
Richardson, Henry K., Newark, N. J., assignor to Westinghouse Lamp Company. Aluminum alloy and manufacture. 1,585,786; May 25.
Richmond, Romulus R., deceased, by M. A. Shelton, administratrix, assignor of one-half to H. D. Cook and A. Burrell, Omaha, Nebr. Grain shocker. 1,586,383; May 25.
Richter, Ernest H., Seattle, Wash. Clarifier. 1,585,877; May 25.
Riddle, Edward N., Company, The. (See Crowell, Frank S., assignor.)
Riddle, Edward N., Company, The. (See Riddle, John K., assignor.)
Riddle, John K., assignor to The Edward M. Riddle Company, Toledo, Ohio. Lighting fixture. 1,585,787; May 25.
Ringe, John C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming mechanism for sewing machines. 1,585,691; May 25.
Rishel, Luther C., Los Angeles, Calif. Automatic water valve. 1,586,005; May 25.
Riter-Conley Manufacturing Company. (See Hill, Harold O., assignor.)
Rittelman, Lawrence, Jersey City, N. J. Sealed container for tickets, coupons, and the like. 1,585,789; May 25.
Rittelman, Lawrence, Jersey City, N. J., F. A. Watte, New York, and C. H. Ebbets, jr., Brooklyn, assignors to Sales Printing Corporation, New York, N. Y. Ticket book. 1,585,788; May 25.
Roberti, Dario, Springfield, Mass. Lock. 1,586,471; May 25.
Roberts, Archie, et al. (See Fuge, Frank E., assignor.)
Robinson, James T. (See Smothers, Robert J., assignor.)
Robinson, Thomas, New York, N. Y. Roofing element. 1,585,692; May 25.
Robinson, Thomas, New York, N. Y. Prepared roofing. 1,585,693; May 25.
Rochefort, François, Paris, France. Device for injecting, pulverizing, and vaporizing fuel in internal-combustion engines. 1,586,006; May 25.
Rochford, Frank S., Denver, Colo. Fuel igniter. 1,586,472; May 25.
Roepke, William G., Hudson, Wis. Brush. 1,585,939; May 25.
Rogers, Thomas H. (See Glover, R. E., and Rogers.)
Rohmer, Gabriel E., New York, N. Y. Construction of swimming pools. 1,585,736; May 25.
Romerill, Zenos P., Ogden, Utah. Plastic composition. 1,586,045; May 25.
Romerill, Zenos P., Ogden, Utah. Nonconducting plastic composition. 1,586,046; May 25.
Roppert, George C., assignor of one-third to J. J. Liberatore, Milwaukee, Wis. Attaching rubber heels and treads to shoes. 1,586,219; May 25.
Rosborg, Anders H., Stockholm, Sweden. Two-stroke internal-combustion motor. 1,586,118; May 25.
Rose, Maxwell L., Los Angeles, Calif. Shoe-lace tip. 1,586,473; May 25.
Ross, Richard T., Brooklyn, N. Y. Necktie holder. 1,586,384; May 25.
Rowan, Harry B., North Attleboro, Mass., assignor to Whiting and Davis Company. Hand bag. 1,585,737; May 25.
Rowland, Lee W., Windom, Minn. Stone-setting tool. 1,585,738; May 25.
Rowley, William S., and J. W. Butterworth, Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company. Drying cylinder. 1,586,220; May 25.
Rubber Service Laboratories Co., The. (See Scott, Winfield, assignor.)
Rugh, Harry O., Chicago, Ill. Thermionic valve. 1,585,878; May 25.
Runals, William T., jr., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for drying rubber. 1,585,739; May 25.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machine Company. Toscani-cigar machine. 1,586,330; May 25.
Russell, Duncan M., and J. Buchanan, Walstenburg, Colo. Slack take-up device. 1,586,047; May 25.
Ruths, Johannes K., Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam-accumulator plant and operating the same. 1,585,790; May 25.
Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam plant. 1,585,791; May 25.
Rowley, Edward G., Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling machine. 1,586,119; May 25.
Ryder, Frank E., Bolton, England. Vertical automatic turning and like machine tool. 1,586,007; May 25.
Saklad, William, Boston, Mass. Last. 1,586,120; May 25.
Salem Glass Works. (See Crispin, H. A., and Pawling, assignors.)
Sales Printing Corporation. (See Rittelman, L., Watte, and Ebbets, assignors.)
Salomon, Samuel, assignor to W. W. Wilcox Mfg. Co., Chicago, Ill. Hotel register and the like. 1,586,331; May 25.
Sanitarium Equipment Company. (See Kellogg, J. H., and Goodrich, assignors.)
Sassur, Adam, assignor of one-half to W. A. Schlumbom, Chicago, Ill. Coloring brick. 1,586,474; May 25.
Saulia, Charles, Brooklyn, N. Y. Pneumatic tool. 1,585,740; May 25.
Savy, Emile L. A., Courbevoie, France. Method and apparatus for coating confections. 1,586,385; May 25.
Savy, Emile L. A., Courbevoie, France. Confection-coating apparatus. 1,586,386; May 25.
Schlotthauer, Herman, Chicago, Ill., assignor to Pyramid Dry Company, Marshall, Mich. Wrapping machine. 1,586,879; May 25.
Schlumberger, Ernst, Berlin-Lichterfelde, Germany. Compound having bactericidal and fungicidal properties and making the same. 1,585,792; May 25.
Schlumbom, William C. (See Sassur, Adam, assignor.)
Schmeisser, Hans, Suhl, Germany. Firing mechanism for machine pistols. 1,586,048; May 25.
Schmertz, Louis R. (See Kurtz, C. W., Byers, Schmertiz, and Gessner.)
Schmidt, Erwin. (See Müller-Clemm, H., and Schmidt.)
Schnell, William, assignor to Shepard Art Metal Company, Detroit, Mich. Machine for dipping automobile door handles. 1,585,880; May 25.
Schoew, Frederick L., Huntington, W. Va. Apparatus for loading material. 1,585,694; May 25.
Schondelmayer, Harvey K., Marion, and S. C. Fulkerson, Cedar Rapids, Iowa. Brick carrier. 1,586,475; May 25.
Schopf, Abraham B., and C. E. Carruth, Dubois, Pa. Corn popper. 1,586,335; May 25.
Schrader's, A., Son, Incorporated. (See Fitzgerald, John J., assignor.)
Schroeder, Ralph L., Owensboro, Ky. Life-saving belt. 1,585,695; May 25.
Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automobile bumper. 1,585,793; May 25.
Schwarz, Frank L., jr. (See Lane, Victor E., assignor.)
Schwarzenhauer, Waldemar, Eltersdorf, assignor to Bing Werke, Nuremberg, Germany. Electric toy locomotive with electric reversing gear. 1,586,221; May 25.
Schwerin, William J., San Francisco, Calif. Glass switch plates. Des. 70,241; May 25.
Scott, James V., Shanghai, China. Toothbrush holder. 1,586,332; May 25.
Scott Paper Company. (See Lamoureux, George, assignor.)
Scott, William M., Tredyffrin Township, Chester County, Pa. Electrical switching system. 1,586,333; May 25.
Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator. 1,586,121; May 25.
Seal-Kap Company. (See Baum, Ewald G., assignor.)
Seitz, Oskar. (See Mauron, F., Seitz, and Jones.)
Self, James A., sr., Lynchburg, Va., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,586,334; May 25.
Sellner, Herbert W., Faribault, Minn. Water wheel and diving platform. 1,586,222; May 25.
Senft, John, York, assignor to United States Chain and Forging Company, Pittsburgh, Pa. Revolving-link cross chain. 1,586,387; May 25.
Seung, Hong K., Stockton, Calif. Leaf-spring-lubricating means. 1,585,881; May 25.
Severance, Edwin P. (See Tucker, Frank S., assignor.)
Sevilla, Manuel A., Los Angeles, Calif. Glass-cleaning composition. 1,586,008; May 25.
Sharaf, R. M., Machine Co. (See Sharaf, Ralph M.)
Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Variable-width presser-foot mechanism. 1,586,163; May 25.
Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
Shaw, Frank H., East Orange, N. J. Making bases and receptacles for vacuum tubes. 1,586,122; May 25.

Sheinman, Morris, New York, N. Y. Lock. 1,586,223; May 25.
Shelburne, Augustine, South Pasadena, Calif. Air brush. 1,586,009; May 25.
Shelburne, Augustine, South Pasadena, Calif. Air-brush nozzle. 1,586,010; May 25.
Shelton, Mary A., administratrix. (See Richmond, Romulus R.)
Shepard Art Metal Company. (See Schnell, William, assignor.)
Shroyer, Edward P., Girard, Ill. Tandem disk harrow. 1,585,882; May 25.
Shuey, Herbert S., Piedmont, assignor to The Merrill Company, San Francisco, Calif. Advertising device. 1,585,940; May 25.
Shuey, William M. (See Ewell, F. O., and Shuey.)
Shuey, William M. (See Ewell, F. O., Shuey, and Vandergrift.)
Siebert, Elmer C., Freeburg, Ill. Oil burner. 1,585,941; May 25.
Sikorski, Dominic F., Bronson, Mich. Potato-bug exterminator. 1,586,123; May 25.
Silbermann, Kohn & Wallenstein, Inc. (See Garlin, Isidor, assignor.)
Simmons, George A., Portland, Oreg. Gas furnace. 1,586,224; May 25.
Simplex Refining Company. (See Jurrissen, Alphonsus, assignor.)
Simpson, Edward E., Tulsa, Okla. Noncollapsible float for liquid-level controls. 1,586,476; May 25.
Simson, Max, New York, N. Y. Jewelry setting. Des. 70,242; May 25.
Singer Manufacturing Company, The. (See Grieb, Alfred, assignor.)
Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
Slade, Edmond J. W. (See Adams, Edward S. R., assignor.)
Slate, John M. (See Mangham, J. J., and Slate.)
Slater, Fred M. (See Bayles, L. C., and Slater.
Sleeth, Earl H. (See Henderson, D. R., and Hill, assignors.)
Slip-On Cigar Lighter Company. (See Aderente, Eugene, assignor.)
Slip-On Cigar Lighter Company. (See Bala, C., and Aderente, assignors.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Explosionproof fuse. 1,586,011; May 25.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,586,012; May 25.
Smith, Charles, Pittsburgh, Pa. Electrical connecter for transmission lines. 1,586,124; May 25.
Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Label-applying mechanism. 1,586,388; May 25.
Smith, Henry C., St. Marys, Ohio. Roll. 1,585,696; May 25.
Smith, Herbert E., assignor to Spokane Mail Equipment Company, Spokane, Wash. Mail-exchange device. 1,585,697; May 25.
Smith, Herbert E., assignor to Spokane Mail Equipment Company, Spokane, Wash. Railway-mail-exchange device. 1,585,698; May 25.
Smith, Louis L. (See Herr, H. T., and Smith.)
Smith, S. Morgan, Company. (See Jessop, George A., assignor.)
Smith, Samuel R., Checotah, Okla. Banner. Des. 70,243; May 25.
Smith, William A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed lock. 1,586,269; May 25.
Smothers, Robert J., assignor to J. T. Robinson, Holyoke, Mass. Printing roll. 1,586,477; May 25.
Smothers, Robert J., assignor to J. T. Robinson, Holyoke, Mass. Printing-plate roll. 1,586,478; May 25.
Snyder, John G., New York, N. Y. Tie and fastener. 1,586,049; May 25.
Snyder, John G., New York, N. Y. Metallic tie and fastener. 1,586,050; May 25.
Snyder, John G., New York, N. Y. Rail tie and fastener. 1,586,051; May 25.
Snyder, John G., New York, N. Y. Structural metal beam. 1,586,052; May 25.
Snyder, John G., New York, N. Y. Metal beam. 1,586,053; May 25.
Snyder, John G., New York, N. Y. Tie and fastener. 1,586,479; May 25.
Snyder, John G., New York, N. Y. Rail tie and fastener. 1,586,480; May 25.
Société Anonyme de Carbone. (See Gindre, Eugène, assignor.)
Société des Moteurs Salmson (Systéme Canton-Unne). (See Heinrich, Jean M., assignor.)
Societe du Feutre. (See Bourguignon, Maurice, assignor.)
Société Leroy & Cie. (See Leick, Nicolas, assignor.)
Society of Chemical Industry in Basle. (See Staudinger, H., Stocker, Tobler, Bucher, and Mueller, assignors.)
Solly, Charles B. (See Solly, Norwood R., assignor.)
Solly, Norwood R., Audubon, N. J., assignor of one-half to C. B. Solly, Philadelphia, Pa. Solution mixer. 1,586,336; May 25.
So-Me-On Corporation. (See Lehmann, Kurt, assignor.)
Sörensen, Georg R. B., Ofoten, Norway. Vibrating sieve. 1,585,794; May 25.
Spangler, Harvey E., Indianapolis, Ind. Vehicle spring. 1,586,389; May 25.
Speegle, Emanuel A., Los Angeles, Calif. Combination bed and settee. 1,586,125; May 25.
Speegle, Emanuel A., Los Angeles, Calif. Auxiliary seat back for automobiles. 1,586,483; May 25.
Speter, Max, Stadt Wehlen, Germany. Electrotherapeutic apparatus. 1,585,795; May 25.
Spiro, Walter J., White Plains, N. Y. Brake actuator. 1,586,270; May 25.
Spokane Mail Equipment Company. (See Smith, Herbert E., assignor.)
Spolka Lidowiecka Handlowo-Przemyslowa Sp. Z. O. O. (See Kutaszewicz, Feliks, assignor.)
Spotts, Harry F., Riverside, Calif. Shim-filing clamp. 1,586,481; May 25.
Sprague, Charles and F., assignors of one-fourth to C. Drader, Bakersfield, and one-fourth to R. R. Candee, McKittrick, Calif. Nonleak seat and anchor for liner pumps. 1,586,482; May 25.
Sprague, Frank. (See Sprague, Charles and F.)
Stackpole Carbon Company. (See Wilson, Gardiner C., assignor.)
Stafford Company, The. (See Hartman, James F., assignor.)
Ståhlberger, Axel F. W., Stockholm, Sweden. Device for transforming a reciprocating motion into a rotary motion. 1,585,796; May 25.
Stahle, Gustaf. (See Bergström, Johan E., assignor.)
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard Oil Company. (See Hall, Hubert H., assignor.)
Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Shock absorber. 1,585,797; May 25.
Starrett, Aaron E., Newton, Iowa Harrow attachment. 1,586,225; May 25.
Staudinger, Hermann, Zurich, and R. Stocker, R. Tobler, and A. Buscher, Basel, and J. Mueller, Munchenstein, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Thionaphthisatins and making same. 1,586,013; May 25.
Stein, Lawrence M. (See Moulton, Harley C., assignor.)
Steinhart, Hermann, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Dynamo-electric machine. 1,586,390; May 25.
Stemco Engineering Company, The. (See Groves, F. A., and Frank, assignors.)
Stephen, Alexson, Chicago, Ill. Needle threader. 1,585,883; May 25.
Stephens, Andrew J., Kansas City, Mo. Endless flap. 1,585,942; May 25.
Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
Stille, Fred A., Richmond, Va. Signal-light casing. Des. 70,244; May 25.
Stimpson, Edwin B., Brooklyn, N. Y. Buckle. 1,586,431; May 25.
Stiriss, Jacob, New York, assignor to The Larvex Corporation, Brooklyn, N. Y. Atomizer. 1,585,798; May 25.
Stirling, James A., assignor, by mesne assignments to Chicago Telephone Supply Company, Elkhart, Ind. Watchcase receiver. 1,585,699; May 25.
Stocker, Robert. (See Staudinger, H., Stocker, Tobler, Bucher, and Mueller.)
Stockwell, Frederick E., Sharon Hill, Pa. Cleaning device. 1,586,337; May 25.
Stokes, Harlow T., Brooklyn, N. Y. Clip for automobile bumpers. Des. 70,245; May 25.
Stokes, Harlow T., Brooklyn, N. Y. Clip for automobile bumpers. Des. 70,246; May 25.
Stone, Nathan M., Chicago, Ill. Lock. 1,585,799; May 25.
Stoppel, Louis D. (See Swanson, A. M., and Stoppel.)
Store, Johan N., Christiania, Norway. Advertising device. 1,586,338; May 25.
Storm, Gustav F., Sanborn, Iowa. Fastener. 1,586,126; May 25.
Storm, Gustav F., Sanborn, Iowa. Tube-leak detector. 1,586,127; May 25.
Streich Manufacturing Co. (See Streich, Paul B., assignor.)
Streich, Paul B., assignor to Streich Manufacturing Co., Joliet, Ill. Artificial bait. 1,585,943; May 25.
Strite, George T., assignor of two-thirds to H. W. Bolens, Port Washington, Wis. Self-cleaning hoe. 1,585,944; May 25.
Studebaker Corporation, The. (See Anibal, Benjamin H., assignor.)
Studebaker Corporation, The. (See Muncy, John I., assignor.)
Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)
Sturrock, James, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oil trap for rotary engines. 1,585,700; May 25.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,247; May 25.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,248; May 25.

Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,249; May 25.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,250; May 25.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,251; May 25.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,252; May 25.
Suggs, John S., Pensacola, Fla. Insect exterminator. 1,586,484; May 25.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Suporter, James W., assignor to Volator Co. Inc., Chicago, Ill. Automobile bumper. 1,586,339; May 25.
Sutton, Coleman, Jeffersonville, Ind. Dirigible headlight. 1,586,128; May 25.
Swanson, Albert M., and L. D. Stoppel, Isleton, Calif. Commodity-dispensing device. 1,586,485; May 25.
Sweeney, Samuel, Sharpsburg, Pa. Combination beating and power apparatus. 1,585,945; May 25.
Swenson, Hillmer V., Chicago, Ill. Stationery. 1,585,946; May 25.
T. & L. Co. Inc., The. (See Tueckmantel, Hugo, assignor.)
Taft, Alfred D., assignor of three-fourths to W. S. White, Evanston, Ill. Spring suspension. 1,586,164; May 25.
Talley, Bascom D. (See Headley, Daisy J., assignor.)
Taraglio, Giuseppe, Rome, Italy. Pneumatic elastic suspension for vehicles. 1,586,340; May 25.
Tartrais, Eugène H., Maisons-Laffitte, France. Automatic valve with flexible blades for high-speed pumps. 1,586,226; May 25.
Taylor, William, Lorain, Ohio. Railway-track liner. 1,586,014; May 25.
Teale, George M., Kingman, Ariz. Statuette or similar article. Des. 70,253; May 25.
Tefft, Ivan D. (See Wahl, J. C., and Tefft.)
Terry-McCluskey Auto Lock Co. (See Terry, Samuel L., assignor.)
Terry, Samuel L., Chicago, Ill., assignor to Terry-McCluskey Auto Lock Co. Lock. 1,586,165; May 25.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lathe chuck. 1,586,227; May 25.
Thatcher, Harry S., Los Angeles, Calif., and S. E. Josi, Chicago, Ill., assignor to The Celite Company, Los Angeles, Calif. Treating sugar-beet diffusion juice. 1,586,486; May 25.
Thedinga, Eddo, Berlin, Germany. Electric joint. 1,585,800; May 25.
Thewes, William O., Ridgeville, assignor to The R. & S. Valve Company, Elyria, Ohio. Carburetor. 1,585,741; May 25.
Thiele, Hans, assignor to C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Gelatin food. 1,586,129; May 25.
C. H. Boehringer Sohn, Nieder Ingelheim-on-the-Rhine, Germany. Gelatin food. 1,586,129; May 25.
Thixton, Harry E., Henderson, Ky. Table. 1,586,487; May 25.
Thompson & Norris Co., The. (See Greve, Herman L., assignor.)
Thompson, William D. (See Allen, Frank E., assignor.)
Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
Throop, Damon R., Stockton, Calif. Scraper. 1,585,947; May 25.
Timken Roller Bearing Company, The. (See Buckwalter (Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Keller, Jeremiah, assignor.)
Timmons, John S., assignor to Penn Head Set Company Incorporated, Philadelphia, Pa. Headband. 1,586,391; May 25.
Tobler, Richard. (See Staudinger, H., Stocker, Tobler, Bucher, and Mueller.)
Tollner, Rudolph E., New York, N. Y. Toothbrush-cover device. 1,586,488; May 25.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Supporting and centering device for car couplers. 1,585,948; May 25.
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Tonry, Stephen W., Boston, Mass. Resilient automobile wheel structure. 1,586,271; May 25.
Traitel Marble Company, The. (See Calkins, Seward H., assignor.)
Travers, Charles J., assignor to Gilson Manufacturing Co., Port Washington, Wis. Chair iron. 1,586,166; May 25.
Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
Trotter, Henry R., Morton, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor-valve mechanism. 1,586,167; May 25.
Trow, Faville A., Albert Lea, Minn. Liquid-fuel burner. 1,586,489; May 25.
Trumble, Milon J., Los Angeles, Calif. Method of and equipment for placing concrete casings in wells. 1,585,801; May 25.
Trumble, Milon J., Los Angeles, Calif. Apparatus for distilling hydrocarbons. 1,586,130; May 25.
Trumble, Milon J., Los Angeles, Calif. Apparatus for producing solid fuel. 1,586,131; May 25.
Trumble, Milon J., Los Angeles, Calif. Apparatus for refining oil. 1,586,132; May 25.
Trumble, Milon J., Los Angeles, Calif. Continuous refluxling still. 1,586,133; May 25.
Trumbull Electric Manufacturing Company. (See Getchell, Benjamin E., assignor.)
Tucker, Frank S., Boston, assignor to E. P. Severance, Winthrop, Mass. Electric signal apparatus. 1,586,341; May 25.
Tueckmantel, Hugo, assignor to The T. & L. Co. Inc., Newark, N. J. Combination lock for bags. 1,585,949; May 25.
Turek, Ferdinand, Cleveland, Ohio. Air preheater for furnaces. 1,586,228; May 25.
Turner, Charles W., New York, N. Y. Burner. 1,586,054; May 25.
Turner, Lewis R., sr., Magnolia, N. J. Clothes prop. 1,586,490; May 25.
Twyman, William G., Poteau, Okla. Lubricating system. 1,585,742; May 25.
Tyler, W. S., Company, The. (See Griffith, T. E., and Dodds, assignors.)
Udell, Louis N., Boston, Mass. Heat exchanger. 1,585,802; May 25.
Uhlenkott, Herman W., Ferdinand, Idaho. Saw set. 1,586,134; May 25.
Underwood, Ernest W., Birmingham, England. Artificial limb. 1,586,015; May 25.
Underwood, Lowell C., Denver, Colo. Signal lamp. Des. 70,254; May 25.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Lindburg, Joseph, assignor.)
Underwood Typewriter Company. (See Rowley, Edward G., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Unique Lamp & Casting Company (See Goodfriend, Henry, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Chain and Forging Company. (See Senft, John, assignor.)
United States Sanitary Manufacturing Company. (See Henricks, Henry E., assignor.)
United Water Softeners Limited. (See Higgins, Eric B., assignor.)
Universal Optical Corporation. (See Nelson, John N., assignor.)
Up To Date Manufacturing Co. (See Bocchino, Ernest, assignor.)
Valko, Emrich W., assignor to First Catholic Slovak Union of the United States of America, Cleveland, Ohio. Badge. Des. 70,255; May 25.
Van Brunt Manufacturing Company, The. (See Van Brunt, Willard A., assignor.)
Van Brunt, Willard A., Los Angeles, Calif., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Machine for sowing fertilizers. 1,586,168; May 25.
Vandergrift, William G. (See Ewell, F. O., Shuey, and Vandergrift.)
Van Dorn, Thomas B. (See Barker, Percy E., assignor.)
Van Halder, Peter F., Green Bay, Wis. Signal for automobiles. 1,586,491; May 25.
Van Voorhis, Cletus C., East Orange, N. J., assignor to Westinghouse Lamp Company. Manufacture of electric lamps and the like. 1,585,803; May 25.
Varaud, André, Geneva, Switzerland. Clockwork-operated mechanical fuse for artillery projectiles. 1,586,342; May 25.
Varney, Frank S., Eastport, Me., assignor to Booth Fisheries Company, Chicago, Ill. Packing-house equipment. 1,585,950; May 25.
Venter, Conrad, Denver, Colo. Wave motor. 1,586,492; May 25.
Venzie, Frederick M., Philadelphia, Pa. Plaster block and composition therefor. 1,585,743; May 25.
Vierengel, M., Machine Co. (See Vierengel, Matthew, assignor.)
Vierengel, Matthew, assignor to M. Vierengel Machine Co., Inc., Brooklyn, N. Y. Machine for cutting out blanks for envelopes, envelope bags, bags, folding boxes, etc. 1,586,055; May 25.
Vincent, Clarence M., Erie, Pa. Hat holder. 1,585,804; May 25.
Vogt, Paul, Baden, Switzerland. Shade holder. 1,585,744; May 25.
Volator Co. Inc. (See Suporter, James W., assignor.)
Von Hevesy, Georg. (See Coster, D., and von Hevesy.)
Von Nessen, Walter, assignor to Efcolite Corporation, New York, N. Y. Backplate for lighting fixtures. Des. 70,256; May 25.
Von Nessen, Walter, assignor to Efcolite Corporation, New York, N. Y. Ceiling lighting fixture. Des. 70,257; May 25.
Von Nessen, Walter, assignor to Efcolite Corporation, New York, N. Y. Ceiling lighting fixture. Des. 70,258; May 25.

Vreeland, Walter G., Houston, Tex., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Traveling block. 1,586,272; May 25.
Vulcan Last Company, The. (See Clausing, George, assignor.)
W-H Keyless Lock Company. (See Wildrick, Meade, assignor.)
Wagner Electric Corporation. (See Dick, B., and Dyer, assignors.)
Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
Wahl Company, The. (See Wahl, J. C., and Tefft, assignors.)
Wahl, John C., and I. D. Tefft, Chicago, Ill., assignors to The Wahl Company, Wilmington, Del. Fountain pen. 1,585,805; May 25.
Wald, Julius H., Chicago, Ill. Bag-tying machine. 1,585,745; May 25.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,586,343; May 25.
Walker, Bruce M., Oakland, Calif. Mechanical movement. 1,586,493; May 25.
Walker, Fred G., assignor to Jones Superior Machine Company, Chicago, Ill. Sawing machine. 1,586,494; May 25.
Walker, George, Newton Center, Mass. Ship's instrument. 1,586,432; May 25.
Wall, James H., Seaside, Oreg. Gas tank and radiator cap. 1,586,273; May 25.
Wallace, R., & Sons Mfg. Co. (See Martha, Oscar, assignor.)
Waller, Otis L., Dubuque, Iowa. Pipe coupling. 1,585,951; May 25.
Walsh, Arthur Q., Hartsdale, N. Y. Attachment for shovels. 1,586,056; May 25.
Walters, Corlan, Kansas City, Mo. Envelope. 1,586,016; May 25.
Walters, Odin B., Council Bluffs, Iowa. Road grading and maintaining machine. 1,586,229; May 25.
Walters, Odin B., Council Bluffs, Iowa. Road scraping and maintaining machine. 1,586,230; May 25.
Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,586,017; May 25.
Warren Soap Manufacturing Company. (See Howe, C. C., and Libby, assignors.)
Watson, Robert, Silver Spring, Md. Running-time attachment for automobile clocks. 1,585,806; May 25.
Watte, Frederick A. (See Rittelman, L., Watte, and Ebbets.)
Watters, Joseph A., New York, N. Y. Tobacco-smoking pipe. 1,585,746; May 25.
Watts, James N., Clyde, assignor of one-half to J. F. Bailey, Abilene, Tex. Cultivator attachment. 1,586,495; May 25.
Webb, Thomas B., Stockton, and E. F. Driscoll, Stockton, Calif. Weeding machine. 1,586,169; May 25.
Wedgwood, Josiah, & Sons, Inc. of America. (See Goodwin, John E., assignor.)
Weeks, John H., et al. (See McCarthy, J. F., and Ofeldt, assignors.)
Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,586,231; May 25.
Weinberg, Harris, Leeds, England. Machine or apparatus for use in supporting animals while being slaughtered. 1,585,807; May 25.
Weingart, John A., Shelburne, Nova Scotia, Canada. Memorandum device. 1,585,747; May 25.
Welch, Charles E., Waco, Tex. Holder. 1,586,274; May 25.
Welch, John B., New Orleans, La. Apparatus for drying wood, lumber, and the like. 1,586,232; May 25.
Wellborn, William C., Columbus, Ga. Rail spike. 1,585,808; May 25.
Wendelken, Albert C., Marietta, Ohio. Exercising apparatus. 1,585,748; May 25.
Westberg, Edward, Los Angeles, Calif. Plaster board. 1,586,018; May 25.
Western Electric Company. (See Conway, Roy D., assignor.)
Western Electric Company. (See Fearing, Justin L., assignor.)
Western Electric Company. (See Kendall, Burton W., assignor.)
Western Electric Company. (See Palmer, Joel C. R., assignor.)
Westervelt, Lorton A., Reading, Pa. Necktie fastening. 1,585,952; May 25.
Westinghouse Air Brake Company, The. (See Barty, T., and Burrows, assignors.)
Westinghouse Air Brake Company. (See Cass, Christopher P., assignor.)
Westinghouse Air Brake Company, The. (See Chapin, Albert J., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Herr, H. T., and Smith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Trotter, Henry R., assignor.)
Westinghouse Lamp Company. (See Higgins, John J., assignor.)
Westinghouse Lamp Company. (See Madden, H. D., and Higgins, assignors.)
Westinghouse Lamp Company. (See Marden, John W., assignor.)
Westinghouse Lamp Company. (See Richardson, Henry K., assignor.)
Westinghouse Lamp Company. (See Van Voorhis, Cletus C., assignor.)
Wheary, George H., Racine, Wis. Ironing-board attachment for wardrobe trunks. 1,585,953; May 25.
Wheeler, Everett, Los Angeles, Calif. Combined muffler and cut-out. 1,586,019; May 25.
Wheeler Reflector Company. (See Hawks, Horatio C., assignor.)
Whisler, William H., Houston, Tex. Shock absorber. 1,586,392; May 25.
White, Arthur, Sheboygan Falls, Wis. Gas generator and burner. 1,586,170; May 25.
White, C. H. (See Laster, Harry W., assignor.)
White, John F., assignor to White Products Company, Chicago, Ill. Windshield cleaner. 1,585,809; May 25.
White Products Company. (See White, John F., assignor.)
White Sewing Machine Company. (See Colegrove, Charles E., assignor.)
White, William S. (See Tait, Alfred D., assignor.)
Whiting and Davis Company. (See Rowan, Harry B., assignor.)
Whiting & Davis Company. (See Whiting, Charles A., assignor.)
Whiting, Charles A., Franklin, Mass., assignor to The Whiting & Davis Company. Hand bag and ornamenting same. 1,585,749; May 25.
Whitlock Cordage Company. (See Faust, Walter L., assignor.)
Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
Wicks, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,586,057; May 25.
Widmark, Francis O., Ludington, Mich. Camping table. 1,585,954; May 25.
Wilcox, Ernest C., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Gas-engine igniter. 1,586,135; May 25.
Wilcox, W. W., Mfg. Co. (See Salomon, Samuel, assignor.)
Wildrick, Meade, Savannah, Ga., assignor to W-H Keyless Lock Company, Limited, Honolulu, Hawaii. Keyless lock. 1,586,496; May 25.
Wiley, Nathaniel T., Somerville, Mass. Automatic checking machine for garments and other articles. 1,586,344; May 25.
Willard, Albert. (See Willard, Enoch and A.)
Willard, Enoch and A., Pawnee, Okla. Door-operated switch. 1,586,503; May 25.
Willey Company, The. (See Burt, Don H., assignor.)
Williams, Frederick W. R., London, England. Apparatus for the manufacture of superphosphate. 1,585,810; May 25.
Williams Tool Corporation. (See Hall, Leslie S., assignor.)
Willis, Henry I., assignor of one-third to F. R. Burch, Colfax, Wash. Auto tire-chain lock. 1,585,955; May 25.
Wilson, Charles E., and H. E. Norviel, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition coil. 1,585,811; May 25.
Wilson, Gardiner C., assignor to Stackpole Carbon Company, St. Marys, Pa. Composition of matter and applying the same. 1,585,812; May 25.
Wilson, Ralph E., Dallas, Tex. Cotton feeder. 1,586,497; May 25.
Wilson, Samuel P. (See Hawkins, F. R., and Wilson.)
Wilson, Sydney K., Philadelphia, Pa. Condenser. 1,586,498; May 25.
Wilson, Wylie G., Jersey City, N. J., assignor to Loose Seat Valve Company. Loose-seat gate valve. 1,586,345; May 25.
Wilson, Wylie G., Jersey City, N. J., assignor to Loose Seat Valve Company. Valve. 1,586,346; May 25.
Wilson, Wylie G., Jersey City, N. J., assignor to Loose Seat Valve Company. Valve. 1,586,347; May 25.
Winans, Paul R. C., Fullerton, Calif. Vulcanizing block. 1,586,275; May 25.
Window Glass Machine Company. (See Kurtz, C. W., Byers, Schmertz, and Gessner, assignors.)
Wine, William E., Toledo, Ohio. Ventilated steel end for freight cars. 1,585,956; May 25.
Winfield, Richard M., New York, N. Y. Bag and harness therefor. 1,586,058; May 25.
Winslow, Kenelm C., Spokane, Wash. Garter. 1,585,750; May 25.
Winterborne, Arthur W., San Antonio, Tex. Connecting and operating shafts. 1,586,136; May 25.
Winthrop Chemical Company. (See Impens, Emil, assignor.)

Witherspoon, Lillian S., San Francisco, Calif. Handle for containers. 1,586,020; May 25.
Wittstein, Charles T., Newark, N. J. Moistureproof scribable sheet, tag, and the like. 1,586,433; May 25.
Wood, J. R. (See Greer, Benjamin J., assignor.)
Wood, Walter A. (See De Huff, P., and Wood.)
Woodruff, Leonidas D., Chicago, Ill. Air-line coupling. 1,586,276; May 25.
Wopat, John W. (See Crane, J. G., and Wopat.)
Worth, Herbert A., assignor of one-half to J. P. Crelly and V. L. Book, Long Beach, Calif. Tooth exerciser. 1,586,499; May 25.
Yablick, Max. (See Perrott, G. S., and Yablick.)
Yeager, Leo R., Columbus, Ohio. Tiltable headlight reflector. 1,585,751; May 25.
Young, Clarence H., Boston, Mass. Rack for drying staves. 1,585,752; May 25.
Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Tearing-strip can. 1,586,277; May 25.
Zanath, John H., Woodlawn, Pa. Illusion device. 1,586,137; May 25.
Zeh, Edmund W., Newark, N. J. Pitman mechanism for power presses. 1,586,171; May 25.
Zellers, John W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter chain. 1,586,021; May 25.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MAY, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator, Foot. V. A. Noble. 1,586,003; May 25.
Accumulator plate. J. M Burnett and J. A. Fullilove. 1,585,760; May 25.
Acids, Apparatus for handling sludge. D. R. Henderson and A. H. Hill. 1,585,986; May 25.
Adding machine. G. N. Mindling. 1,585,675; May 25.
Adding machine. W. P. Quentell. 1,586,467; May 25.
Advertising device. E. R. Nabors. 1,586,261; May 25.
Advertising device. H. S. Shuey. 1,585,940; May 25.
Advertising device. J. N. Störe. 1,586,338; May 25.
Agricultural implement. M. Eggum. 1,586,416; May 25.
Air and water tube. L. C. Bayles. 1,585,822; May 25.
Air-feed lock. W. A. Smith. 1,586,269; May 25.
Air hose and lighting tower. W. B. Perdue. 1,586,465; May 25.
Air-line coupling. L. D. Woodruff. 1,586,276; May 25.
Airplane safety device. A. J. Harpstrite. 1,585,978; May 25.
Air to render the same suitable for breathing, Purification of. G. S. Perrott and M. Yablick. 1,586,327; May 25.
Alloy and method of manufacture, Aluminum. H. K. Richardson. 1,585,786; May 25.
Alloys and product thereof, Making acid-proof. J. P. Kegg. 1,586,368; May 25.
Alternating-current motor. H. Welchsel. 1,586,231; May 25.
Ampulla consisting of several parts. W. O. Heublein. 1,585,911; May 25.
Ampulla with separated compartments for liquids to be injected. W. O. Heublein. 1,585,912; May 25.
Animals while being slaughtered, Machine or apparatus for use in supporting. H. Weinberg. 1,585,807; May 25.
Ankle support. I. M. Pense. 1,585,938; May 25.
Antiskid device. G. G. Engberg. 1,585,968; May 25.
Antiskid device. J. A. Pittenger. 1,586,466; May 25.
Antiskidding device. C. L. Denison. 1,586,074; May 25.
Appliqué motif. K. Lehmann. Des. 70,230; May 25.
Arc generator. G. H. Clark. 1,585,650; May 25.
Artillery projectiles, Clockwork-operated mechanical fuse for. A. Varaud. 1,586,342; May 25.
Atomizer. J. Stiriss. 1,585,798; May 25.
Automobile attachment. G. H. Handley. 1,586,428; May 25.
Automobile bumper. W. A. Crawford-Frost. 1,586,028; May 25.
Automobile bumper. C. Girl. 1,585,973–4; May 25.
Automobile bumper. E. A. Lynch. 1,586,096; May 25.
Automobile bumper. J. J. Mascuch. 1,585,780–2; May 25.
Automobile bumper. W. H. Schulze. 1,585,793; May 25.
Automobile bumper. J. W. Suporter. 1,586,339; May 25.
Automobile bumper bracket. O. H. Goetz. 1,586,303–4; May 25.
Automobile bumpers, Clip for. H. T. Stokes. Des. 70,245–6; May 25.
Automobile cam shafts, Antirattler for. F. C. Lange and P. W. Lange. 1,586,450; May 25.
Automobile door handles, Machine for dipping. W. Schnell. 1,585,880; May 25.
Automobile safety device. H. Rich. 1,586,117; May 25.
Automobile wheel structure, Resilient. S. W. Tonry. 1,586,271; May 25.
Automobiles and other motor cars, Lubricating system for. J. M. Jackson. 1,585,719; May 25.
Automobiles, Auxiliary seat back for. E. A. Speegle. 1,586,483; May 25.
Automobiles, Folding bed and boat attachment for. L. Lauzon. 1,585,926; May 25.
Automobiles, Signal for. P. F. Van Halder. 1,586,491; May 25.
Automotive brake. C. P. Cass. 1,585,762; May 25.
Axles, Cooling compound for. C. C. Howe and S. W. Libby. 1,586,087; May 25.
Baby carriage, Automatically-rocking. J. Csima. 1,586,411; May 25.
Badge. E. W. Valko. Des. 70,255; May 25.
Bag: *See*—
Hand bag.
Shopping bag.
Theftproof bag.
Bag and harness therefo.. R. M. Winfield. 1,586,058; May 25.
Bag and ornamenting same, Hand. C. A. Whiting. 1,585,749; May 25.
Bag-tying machine. J. H. Wald. 1,585,745; May 25.
Bags, Combination lock for. H. Tueckmantel. 1,585,949; May 25.
Bait, Artificial. P. B. Streich. 1,585,943; May 25.
Banner. S. R. Smith. Des. 70,243; May 25.
Bar: *See*—
Grate bar.
Bar and tubing severing means. E. Danner. 1,585,896; May 25.
Bar connection, Temple-. E. R. Durgin. 1,585,836; May 25.
Barn, Tobacco-curing. J. A. Gardner and J. O. Causey. 1,585,662; May 25.
Barrette. J. Burkhart. 1,586,025; May 25.
Baseball game. E. A. Isabelle and H. J. Newell. 1,585,920; May 25.
Baseboard and shoe mold. I. A. Baum. 1,585,960; May 25.
Basket, Frying. C. R. Jamison. Re16,355; May 25.
Basket-lidding tool. E. B. Hiatt. 1,585,858; May 25.
Baton, Policemnn's. V. V. Curtis; 1,586,412; May 25.
Battery closure and forming same, Storage. W. Petschel. 1,586,215; May 25.
Battery tester. D. F. Hinkley. 1,586,445; May 25.
Bend core and manufacture thereof. C. H. Desautels. 1,585,900; May 25.
Beads during their manufacture, Support serving as core for. J. Paisseau. 1,586,462; May 25.
Beam, Metal. J. G. Snyder. 1,586,053; May 25.
Beam, Structural metal. J. G. Snyder. 1,586,052; May 25.
Bearing, Roller. H. E. Pratt. 1,585,690; May 25.
Bearing, Thrust. G. Flintermann. 1,586,443; May 25.
Bed and settee, Combination. E. A. Speegle. 1,586,125; May 25.
Belt, Spring driving. C. E. Colegrove. 1,586,353; May 25.
Beveling and sealing clamp. W. F. Irrgang. 1,585,918; May 25.
Bit or cutting tool. L. F. Hess. 1,586,151; May 25.
Blackboard wiper. A. P. Bennington. 1,586,439; May 25.
Blast furnace. J. K. Clutts. 1,585,892; May 25.
Block: *See*—
Traveling block.
Vulcanizing block.
Block and tackle. J. Fojtik. 1,586,417; May 25.
Blue-flame burner. C. G. Fulks. 1,586,036; May 25.
Board: *See*—
Plaster board.
Surf board.
Boats, Steering mechanism for. J. E. Clement. 1,586,291; May 25.
Bobbin. J. N. Anderson. 1,585,637; May 25.
Bobbin and producing the same, Wound. R. K. Clark. 1,586,239; May 25.
Bobbin, Wound. M. Curry. 1,586,181; May 25.
Boring machine, Cylinder-. W. N. Moore. 1,586,378; May 25.
Boring tool, Cylinder-. A. S. Bacon and G. W. Hughson. 1,586,500; May 25.
Bottle. J. P. Curran. Des. 70,215; May 25.
Bottle. J. M. Lents. Des. 70,231; May 25.
Bottle-capping device. E. G. Baum. 1,585,820; May 25.
Bottle construction, Milk-. J. J. Marstellar. 1,585,673; May 25.
Bottle holder, Milk-. J. W. Carpenter. 1,586,289; May 25.
Bottles and article produced thereby, Producing grooved cup finish in. H. A. Crispin and H. J. Pawling. 1,586,072; May 25.
Bowling pin. E. Hedenskoog. 1,585,857; May 25.
Box: *See*—
Duplex box.
Match box.
Stuffing box.
Tool box.
Brace. W. P. Chandler. 1,586,142; May 25.
Bracket: *See*—
Automobile bumper bracket.
Number-plate bracket.
Bracelet. N. T. Nelson. 1,586,320; May 25.
Bracelet hook. C. H. Patten. 1,586,112; May 25.
Brake: *See*—
Automotive brake.
Vehicle brake.
Brake actuator. W. J. Spiro. 1,586,270; May 25.
Brake equipment, Freight-. C. C. Farmer. 1,585,774; May 25.
Brake mechanism, Automotive. A. J. Chapin. 1,585,763; May 25.

Brick and building blocks, Mold for. W. Diehl and O. Egemo. 1,586,295; May 25.
Brick carrier. H. K. Schondelmayer and S. C. Fulkerson. 1,586,475; May 25.
Brick, Cog. C. O. Gustavsen. 1,586,194; May 25.
Brick, Coloring. A. Sassur. 1,586,474; May 25.
Brush. W. G. Roepke. 1,585,939; May 25.
Brush, Air. A. Shelburne. 1,586,009; May 25.
Buckle. E. B. Stimpson. 1,586,431; May 25.
Burette and funnel holder, Automatic. W. S. Avery. 1,585,959; May 25.
Burner: *See*—
Blue-flame burner. Oil burner.
Liquid-fuel burner.
Burner. C. W. Turner. 1,586,054; May 25.
Cable, Armored. G. W. Budlong and A. O. Hoeftmann. 1,585,888; May 25.
Cable terminal and support therefor. J. G. Crane and J. W. Wopat. 1,585,772; May 25.
Calendar. T. M. Eagan. 1,585,966; May 25.
Camping outfit, Tourist's auto. F. E. Allen. 1,585,814; May 25.
Camping table. F. O. Widmark. 1,585,954; May 25.
Can opener. A. Page. 1,586,264; May 25.
Car-control systems, Interlock device for rail-. L. C. Josephs, jr. 1,585,723; May 25.
Car couplers, Supporting and centering device for. C. H. Tomlinson. 1,585,948; May 25.
Car couplers, Uncoupling lever for. G. G. Gilpin. 1,585,972; May 25.
Car doors, Spring hinge for. C. E. Dath. 1,585,653; May 25.
Car pedestal and sill bracket. F. W. McCarthy. 1,586,255; May 25.
Cars, Auxiliary door for freight. W. G. Powell. 1,586,266; May 25.
Cars, Ventilated steel end for freight. W. E. Wine. 1,585,956; May 25.
Carburetor. W. O. Thewes. 1,585,741; May 25.
Carburetor. J. F. McCarthy and F. W. Ofeldt. 1,586,097; May 25.
Carrier: *See*—
Brick carrier.
Carton, Display. E. Oppenheimer. 1,585,681; May 25.
Cartons, Lock for. H. L. Greve. 1,586,148; May 25.
Case: *See*—
Cigarette case. Pin case.
Key case. Vanity case.
Casket-handle lug plate, P. L. Parsons. Des. 70,240; May 25.
Castings and the like, Cleaning. W. B. George. 1,585,663; May 25.
Cements containing iron and alumina combinations, Manufacturing process for. E. Martin. 1,586,099; May 25.
Ceramic and refractory-making process and material. A. G. Betts. 1,585,826; May 25.
Chain, Cutter. J. W. Zellers. 1,586,021; May 25.
Chair bed, Combination. P. Delranco. 1,586,355; May 25.
Chair iron. C. J. Travers. 1,586,166; May 25.
Charcoal in grains, Making a highly-active. H. Müller-Clemm and E. Schmidt. 1,586,106; May 25.
Chemical production and research, Apparatus for. M. Brutzkus. 1,586,508; May 25.
Chemicals, Method of and apparatus for heating corrosive. A. G. Harms. 1,585,671; May 25.
Chutes, Interlocking door for waste. G. D. Beaver. 1,586,505; May 25.
Cigar lighter. C. Bala and A. Aderente. 1,586,172; May 25.
Cigar machine, Toscani-. R. E. Rundell. 1,586,330; May 25.
Cigarette case. M. Komura. 1,586,248; May 25.
Cigarette extinguisher, R. Chenoweth. Des. 70,214; May 25.
Circuits, Repeater. B. W. Kendall. 1,585,866; May 25.
Clamp: *See*—
Beveling and sealing clamp. Shim filing clamp.
Scaffold clamp.
Clamp. E. Aderente. 1,586,173; May 25.
Clamp. M. Kiefer. 1,586,314; May 25.
Clamp. C. Miller. 1,586,102; May 25.
Clamping rings to objects, Machine for applying. C. H. Loew. 1,585,777; May 25.
Clarifier. B. L. Harrison. 1,585,979; May 25.
Clarifier. E. H. Richter. 1,585,877; May 25.
Clay-cleaning method and machine. C. L. Crabb. 1,585,771; May 25.
Cleaner: *See*—
Pallet cleaner. Windshield cleaner.
Cleaning compound for white leather shoe and the like. Constantinos Curithonos. 1,586,293; May 25.
Cleaning device. F. E. Stockwell. 1,586,337; May 25.
Climbing device. R. Laborda. 1,585,925; May 25.
Clocks, Running-time attachment for automobile. R. Watson. 1,585,806; May 25.
Closure, Flexible. E. H. and R. H. Binns and W. A. de Hart. 1,585,644; May 25.
Closure, Flexible. R. H. Binns. 1,585,645; May 25.
Closure, Flexible. W. A. de Hart. 1,586,654; May 25.
Cloth-roll lock. C. D. Brown. 1,586,280; May 25.
Cloth-shearing machine. H. Haas. 1,585,667; May 25.
Clothes drier. C. D. Brown. 1,586,065; May 25.
Clothes prop. L. R. Turner, sr. 1,586,490; May 25.
Clothes wringer. J. M. Deagle. 1,586,354; May 25.
Clothes wringer. J. Liggett. 1,586,451; May 25.
Clutch. E. J. Kohman. 1,585,996; May 25.
Clutch. A. Master. 1,585,906; May 25.
Clutch-lever-retaining device. W. J. Bray. 1,585,962; May 25.
Code signaling system. M. L. Nelson. 1,585,909; May 25.
Coffeepot. O. S. Karnes, sr. 1,586,154; May 25.
Coffeepot or similar article. G. N. Allen. Des. 70,208; May 25.
Coin-controlled machine. F. L. Mills. 1,586,455; May 25.
Coil, Ignition. C. E. Wilson and H. E. Norviel. 1,585,811; May 25.
Coil, Induction. R. A. Gilbert. 1,586,082; May 25.
Coke, breeze, and the like, Machinery or apparatus for washing. A. L. Jennings. 1,585,720; May 25.
Comb: *See*—
Massage and shampoo comb.
Commodity-dispensing device. A. M. Swanson and L. D. Stoppel. 1,586,485; May 25.
Composition of matter and applying the same. G. C. Wilson. 1,585,812; May 25.
Compound having bactericidal and fungicidal properties and making the same. E. Schlumberger. 1,585,792; May 25.
Compressor. J. Milne. 1,586,211; May 25.
Concrete articles, Molding apparatus for. W. C. Parmley. 1,585,785; May 25.
Concrete casings in wells, Method of and equipment for placing. M. J. Trumble. 1,585,801; May 25.
Concrete molds, Raising. F. L. Nemec. 1,586,212; May 25.
Concrete pavements, Device for smoothing the surface of. C. Older. 1,586,325; May 25.
Concrete roads and the like, Metallic expansion joint for. C. Older. 1,586,326; May 25.
Condenser. S. K. Wilson. 1,586,498; May 25.
Condenser, Surface. P. A. Bancel. 1,585,639–40; May 25.
Condenser, Surface. P. A. Bancel. 1,586,234; May 25.
Conductor hook. R. Boyd. 1,586,024; May 25.
Conduit joint. J. E. Miller. 1,586,002; May 25.
Confection-coating apparatus. E. L. A. Savy. 1,586,386; May 25.
Confections, Method and apparatus for coating. E. L. A. Savy. 1,586,385; May 25.
Container. A. M. James. 1,586,447; May 25.
Container. F. S. Oppenheim. 1,585,682–4; May 25.
Containers, Handle for. L. S. Witherspoon. 1,586,020; May 25.
Containers, Manufacture of. M. Bello. 1,585,642–3; May 25.
Containers, Weather strip for. F. Paquette. 1,586,463; May 25.
Controlling element, Variable. F. Carbenay. 1,585,648; May 25.
Conveyer. M. H. Pade. 1,585,685; May 25.
Cooling apparatus. V. Crémieu. 1,586,029; May 25.
Copper, Electrolytic precipitation of. F. F. Frick and C. E. Carstens. 1,586,035; May 25.
Core, Collapsible. P. De Huff and W. A. Wood. 1,586,030; May 25.
Core drill, Rotary. O. Duda. 1,586,415; May 25.
Core, Sectional. C. F. Newport. 1,586,321; May 25.
Corn popper. A. B. Schopf and C. E. Carruth. 1,586,335; May 25.
Corset, girdle, and the like. C. F. Littlejohn. 1,585,928; May 25.
Cosmetic server. E. M. Reed. 1,586,044; May 25.
Cotton feeder. R. E. Wilson. 1,586,497; May 25.
Coupler-centering device. E. A. Laughlin. 1,586,252; May 25.
Coupling: *See*—
Air-line coupling. Shaft coupling.
Pipe coupling.
Cover tightener. B. R. Dexter. 1,586,442; May 25.
Crane, Adjustable. A. S. Blum and M. Bloom. 1,585,961; May 25.
Cranking device. C. E. Hammond. 1,585,854; May 25.
Crib. J. J. Bukolt. Des. 70,211; May 25.
Crystal detector, Multicontact. W. S. Freesland. 1,586,419; May 25.
Cultivator. C. T. Ray. 1,586,381; May 25.
Cultivator attachment. J. N. Watts. 1,586,495; May 25.
Cultivator, Tractor. J. G. Kerst. 1,586,042; May 25.
Cyanide, Treating crude. R. E. Glover, jr., and T. H. Rogers. 1,586,509; May 25.
Cylinder, Drying. W. S. Rowley and J. W. Butterworth. 1,586,220; May 25.
Dampening mechanism. C. W. Harrold. 1,585,672; May 25.
Deadfall trap. L. H. Myers. 1,586,107; May 25.
Detector: *See*—
Crytal detector. Tube leak detector.
Digging machine. F. Jones. 1,585,863; May 25.
Direction indicators, Switch for. H. T. Colton. 1,585,651; May 25.
Disintegrating machine. F. Kutaszewicz. 1,585,997; May 25.
Display stand. L. A. Nielsen. 1,586,213; May 25.
Doll. M. W. Calder. Des. 70,212; May 25.
Doll. B. Kollin. 1,586,247; May 25.

Door closer, Thermally-controlled. W. K. Henry. 1,586,198; May 25.
Door construction. W. Andler. 1,585,886; May 25.
Door-operated switch. E. and A. Willard. 1,586,503; May 25.
Door operator, Garage-. B. F. Greenfield. 1,586,037; May 25.
Door, Side. W. G. Powell. 1,586,265; May 25.
Doors, Operating mechanism for elevator. T. E. Griffith and L. L. Dodds. 1,585,666; May 25.
Doorstop, Adjustable. N. B. Hurd. 1,586,245; May 25.
Dough mixer. F. X. Lauterbur. 1,585,725; May 25.
Drawing board. H. H. Christian. 1,586,067; May 25.
Drawing-pin extractor and receptacle, Combined. K. H. Fredluud. 1,586,080; May 25.
Drier: *See*—
Clothes drier.
Drill: *See*—
Core drill. Rock drill.
Drill-steel guide. C. C. Hansen. 1,585,668; May 25.
Drilling machine. W. H. Miller. 1,586,103; May 25.
Driving and reversing mechanism. D. H. Burt. 1,586,286; May 25.
Drying lines, Support for. H. M. Burdick. 1,586,284; May 25.
Duplex box, Self-locking. S. W. Mason. 1,585,783; May 25.
Dyeing hanks. P. Missy. 1,586,377; May 25.
Echo suppressor for two-wire systems. A. B. Clark. 1,585,702; May 25.
Electric cables to carbon brushes or the like, Connecting. E. Gindre. 1,585,849; May 25.
Electric ceiling fixture. H. Goodfriend. Des. 70,220; May 25.
Electric connecter. E. Batchelder and J. G. M. Bullowa. 1,586,279; May 25.
Electric-current controller. G. Hesse. 1,585,988; May 25.
Electric-current transmission. J. L. Fearing. 1,585,842; May 25.
Electric currents, Converting. F. J. Fischer. 1,586,078; May 25.
Electric joint. E. Thedinga. 1,585,800; May 25.
Electric machine, Dynamo. B. Dick and J. B. Dyer. 1,586,184; May 25.
Electric machine, Dynamo-. H. Steinhart. 1,586,390; May 25.
Electric-meter adapter. B. E. Getchell. 1,585,848; May 25.
Electric signal apparatus. F. S. Tucker. 1,586,341; May 25.
Electrical apparatus. J. C. Federle. 1,586,034; May 25.
Electrical connecter. J. Berg. 1,586,506; May 25.
Electrical discharge device. G. Holst, E. Oosterhuis, and J. Bruijnes. 1,586,199; May 25.
Electrical switching system. W. M. Scott. 1,586,333; May 25.
Electrode. Indirect fulguration. H. G. Fischer. 1,585,970; May 25.
Electrolytic tank. L. Arnalot. 1,586,435; May 25.
Electron-discharge device. J. C. R. Palmer. 1,586,162; May 25.
Electrotherapeutic apparatus. M. Speter. 1,585,795; May 25.
Elevator and blower, Grain. C. Quade. 1,585,876; May 25.
End fitting. C. V. Perry. 1,585,688; May 25.
Engine: *See*—
Internal-combustion engine. Winding engine.
Engine igniter, Gas-. E. C. Wilcox. 1,586,135; May 25.
Engine-starting and battery-charging apparatus. Z. C. Bradford. 1,585,831; May 25.
Engines, Apparatus for supplying moistened air to internal-combustion. R. R. Gordon-Barrett. 1,585,975; May 25.
Engines, Auxiliary air valve for. T. P. Gray. 1,586,426; May 25.
Engines, Governor for internal-combustion. J. G. Kerst. 1,586,043; May 25.
Engines, Oil-draining device for internal-combustion. K. Maybach. 1,586,208; May 25.
Engines, Oil trap for rotary. J. A. Sturrock. 1,585,700; May 25.
Engines, Primer for internal-combustion. H. A. McTague. 1,586,454; May 25.
Envelope. C. Walters. 1,586,016; May 25.
Envelopes, envelope bags, bags, folding boxes, etc., Machine for cutting out blanks for. M. Vierengel. 1,586,055; May 25.
Envelopes, paper bags, and the like, Machine for gumming. T. Hilgo. 1,586,366; May 25.
Exercising apparatus. A. C. Wendelken. 1,585,748; May 25.
Extension table. N. J. Lundeen. 1,585,999; May 25.
Extension tables, Locking device for. N. J. Lundeen. 1,586,000; May 25.
Exterminator, Insect. J. S. Suggs. 1,586,484; May 25.
Exterminator, Potato-bug. D. F. Sikorski. 1,586,123; May 25.
Extractor: *See*—
Fruit-juice extractor.
Fabric: *See*—
Shade fabric.
Fastener. G. F. Storm. 1,586,126; May 25.
Faucet. J. Frederiksen and C. S. Hudson. 1,586,418; May 25.
Feed-processing apparatus. C. R. Mabee. 1,585,931; May 25.
Feeder for fowls. J. B. Olson. 1,585,910; May 25.
Feelers, Feeler tip for side-slipping. J. F. Hartman. 1,586,502; May 25.
Felt-cutting tool. C. J. Rector. 1,586,267; May 25.
Fertilizer, Machine for sowing. W. A. Van Brunt. 1,586,168; May 25.
Fiber, Feeding. W. L. Faust. 1,585,841; May 25.
Figure, Mechanically-operated. A. C. Griewank. 1,586,444; May 25.
File, Nail. J. A. Blom. 1,586,441; May 25.
Finger ring. I. Garlin. Des. 70,217; May 25.
Finger ring. W. A. Gill. Des. 70,219; May 25.
Finger ring. A. Suderov. Des. 70,247–52; May 25.
Fire escape. B. Gilowitz. 1,586,424; May 25.
Fireplace basket. J. E. McMinn. Des. 70,235; May 25.
Fishhook, Weedless. F. E. Comstock. 1,586,178; May 25.
Flame arrester. H. H. Hall. 1,586,195; May 25.
Flap, Endless. A. J. Stephens. 1,585,942; May 25.
Flue cutting, cleaning, and welding machine. R. J. O'Neill. 1,586,263; May 25.
Fluid gauge. W. S. Adams. 1,585,884; May 25.
Fluid gauge. F. A. Groves and W. N. Frank. 1,585,976; May 25.
Fluids, Apparatus for straining. F. Bailey and F. H. Jackson. 1,585,817; May 25.
Food conveyer. C. M. Drinkwater. 1,585,834; May 25.
Food, Gelatin. H. Thiele. 1,586,129; May 25.
Frame: *See*—
Spring frame.
Freezing-ices machine. R. Marquez. 1,586,256; May 25.
Fruit-juice extractor. A. R. Long and R. P. Clarkson. 1,586,095; May 25.
Fuel, Apparatus for producing solid. M. J. Trumble. 1,586,131; May 25.
Fuel igniter. F. S. Rochford. 1,586,472; May 25.
Fuel in internal-combustion engines, Device for injecting, pulverizing, and vaporizing. F. Rochefort. 1,586,006; May 25.
Fumigant and fumigating. G. H. Buchanan. 1,586,175; May 25.
Fur brushing, straightening, and beating machine. S. Friedman. 1,586,420; May 25.
Furnace: *See*—
Blast furnace. Hot-air furnace.
Gas furnace.
Furnace. L. W. Daman. 1,585,895; May 25.
Furnace-charging apparatus. L. D. Cole. 1,586,177; May 25.
Furnaces, Air, preheater for. F. Turek. 1,586,228; May 25.
Fuse. J. W. Hooley. 1,585,859; May 25.
Fuse, Electric. H. T. Bussmann. 1,585,646–7; May 25.
Fuse, Explosionproof. W. W. Sloane. 1,586,011; May 25.
Game apparatus. B. W. Luckenbill. 1,586,315; May 25.
Game-counting device. V. M. Osborn. 1,586,111; May 25.
Garage. F. E. d'Humy. 1,586,075; May 25.
Garment. S. C. Reed. 1,586,268; May 25.
Garment hanger. L. M. Boling. 1,586,400; May 25.
Garment supporter. J. P. Croasdale. 1,586,179; May 25.
Garment and other articles, Automatic checking machine for. N. T. Wiley. 1,586,344; May 25.
Garter. K. C. Winslow. 1,585,750; May 25.
Garter grip. S. Borgnis. 1,586,401; May 25.
Gases from cement kilns, Boiler apparatus for utilizing the waste. G. Y. Bonus and E. Kidwell. 1,585,754; May 25.
Gas furnace. G. A. Simmons. 1,586,224; May 25.
Gas producers, Fuel-feed device for. W. B. Chapman. 1,586,176; May 25.
Gas tank and radiator cap. J. H. Wall. 1,586,273; May 25.
Gate: *See*—
Railway-crossing gate.
Gauge: *See*—
Fluid gauge.
Gauge device. J. J. Fitzgerald. 1,585,844; May 25.
Gauges, Method and device for lapping. E. Buckingham. 1,586,238; May 25.
Gear, Friction. A. A. Amstutz. 1,585,957; May 25.
Gear, Planet. C. A. Hult. 1,586,309; May 25.
Gearing, Multiple worm. J. P. Burke. 1,586,285; May 25.
Generator: *See*—
Arc generator. Power generator.
Generator and burner, Gas. A. White. 1,586,170; May 25.
Glare screen. A. H. Fogelquist. 1,585,659; May 25.
Glass-cleaning composition. M. A. Sevilla. 1,586,008; May 25.
Glass enamel, Apparatus for coating with. E. K. Houghton. 1,585,990; May 25.
Glass, Method and apparatus for producing sheet. E. T. Ferngren. 1,586,187; May 25.
Glass, Method of and apparatus for handling. C. W. Kurtz, O. M. Byers, L. R. Schmertz, and L. A. Gessner. 1,586,091; May 25.
Glass switch plate. W. J. Schwerin. Des. 70,241; May 25.

Glucosides of digitalis, Production of. F. Rahn. 1,586,116; May 25.
Golf club. P. K. Miller. 1,585,907; May 25.
Golf club. A. H. Revell. 1,586,469; May 25.
Governor. P. Loessel. 1,585,929; May 25.
Grab. D. J. Barnard. 1,586,023; May 25.
Grading and maintaining machine, Road. O. B. Walters. 1,586,229; May 25.
Granulating mill. F. L. Bryant. 1,586,282; May 25.
Grate bar. H. K. Eilers and H. Lockwood. 1,585,967; May 25.
Grid lenk. L. J. Moncrief. 1,586,457; May 25.
Grid-making machine. H. D. Madden and J. J. Higgins. 1,585,905; May 25.
Grinding. L. R. Helm. 1,585,984; May 25.
Grinding apparatus. L. R. Helm. 1,585,982; May 25.
Grinding, Art and apparatus for. L. R. Helm. 1,585,983; May 25.
Grinding wheels, Truing device for. B. M. W. Hanson. 1,585,706; May 25.
Gripper. B. Jorgensen. 1,585,722; May 25.
Guard. A. W. Furnivall. 1,586,422; May 25.
Gun-coupling device, Grease. W. W. Bramlette. 1,586,350; May 25.
Gun sight. J. J. Doornbos. 1,586,413; May 25.
Gun, Small arm and machine. E. S. R. Adams. 1,586,434; May 25.
Guy-line tightener. J. W. Bell. 1,586,174; May 25.
Hafnium and zirconium, Separation of. D. Coster and G. von Hevesy. 1,586,241; May 25.
Hair waver. D. P. Gleason. 1,585,703; May 25.
Hammer-rail control. H. S. Mills. 1,586,260; May 25.
Hand bag. H. B. Rowan. 1,585,737; May 25.
Hand bag. W. E. Flory; 1,586,147; May 25.
Hanger: *See*—
Garment hanger. Sucker-rod hanger.
Harrow attachment. A. E. Starrett. 1,586,225; May 25.
Harrow, Tandem disk. E. P. Shroyer. 1,585,882; May 25.
Harvester and chopper, Feed. R. B. and R. C. Clark. 1,586,069; May 25.
Hat holder. C. M. Vincent. 1,585,804; May 25.
Hat shapes, Machine for making. N. Leick. 1,586,092; May 25.
Hay and grain stacker and loader. G. E. Hohaus. 1,585,915; May 25.
Headband. J. S. Timmons. 1,586,391; May 25.
Headdress for sportswomen. H. M. Buckley. 1,586,141; May 25.
Headlight, Dirigible. C. Sutton. 1,586,128; May 25.
Headlight reflector, Tiltable. L. R. Yeager. 1,585,751; May 25.
Headlight reflectors, Tilting device for automobile. C. A. Michel. 1,585,674; May 25.
Heat exchanger. L. N. Udell. 1,585,802; May 25.
Heating and power apparatus, Combination. S. Sweeney. 1,585,945; May 25.
Heating apparatus. H. W. O'Dowd. 1,586,324; May 25.
Heel protector, Shoe. D. J. Headley. 1,585,856; May 25.
Heel, Removable. K. H. Anderson. 1,585,638; May 25.
Hob, Milling. A. W. Erdman. 1,586,186; May 25.
Hoe, Self-cleaning. G. T. Strite. 1,585,944; May 25.
Hoist mechanism, Head-gate. C. P. Astrom. 1,586,393; May 25.
Holder. C. E. Welch. 1,586,274; May 25.
Hook: *See*—
Bracelet hook. Conductor hook.
Hosiery drying and finishing structure. E. E. Randall. 1,586,329; May 25.
Hot-air furnace. F. H. Carson. 1,586,407; May 25.
House number, Illuminated curbstone. J. M. Gaffney. 1,586,361; May 25.
Hydrocarbon, Apparatus for distilling. M. J. Trumble. 1,586,130; May 25.
Hydrocarbons, Cracking or otherwise alterating the composition of. A. J. Paris, jr. 1,585,687; May 25.
Hydrocarbons, Manufacture of light. L. Edeleanu. 1,586,357; May 25.
Illuminated instrument mount. J. K. Olsen. 1,585,784; May 25.
Illusion device. J. H. Zanath. 1,586,137; May 25.
Immiscible substances, Process and apparatus for the separation of. L. D. Jones. 1,586,449; May 25.
Indicator: *See*—
Direction indicator. Load indicator.
Liquid-level indicator. Test indicator.
Instrument panel. B. H. Anibal. 1,585,636; May 25.
Insulation of accumulator plates of different polarities. L. Caillard. 1,586,406; May 25.
Insulator, Sectional. H. W. Allen. 1,586,348; May 25.
Internal-combustion engine. W. E. Ellis. 1,586,032; May 25.
Internal-combustion engine. R. F. Fisher. 1,586,188; May 25.
Internal-combustion engine. F. J. Oakes. 1,585,731; May 25.
Internal-combustion motor, Two-stroke. A. H. Rosborg. 1,586,118; May 25.
Iron: *See*—
Chair iron. Waffle iron.
Jewelry setting. M. Simson. Des. 70,242; May 25.
Joint: *See*—
Conduit joint. Electric joint.
Jug or similar article, Milk. R. C. Johnson. Des. 70,228; May 25.
Key case. J. Hodgkins. 1,586,086; May 25.
Keyless lock. M. Wildrick. 1,586,496; May 25.
Knife. R. E. Brown. Des. 70,210; May 25.
Knife, Broomcorn. H. E. Bellomy. 1,586,396; May 25.
Label-applying mechanism. E. L. Smith. 1,586,388; May 25.
Lace. S. H. Page. Des. 70,239; May 25.
Lamp-closure fastening. E. A. Kuen. 1,585,868; May 25.
Lamp-closure fastening. E. A. Kuen. 1,585,868; May 25.
Lamp, Dash. W. Hermann. 1,586,244; May 25.
Lamp, Signal. L. C. Underwood. Des. 70,254; May 25.
Lamp-socket casings, Cap and shell fastening for. W. Ile. 1,585,992; May 25.
Lamp socket, Electric-. F. E. Johnson. 1,586,367; May 25.
Lamp socket, Keyless. W. Ile. 1,585,991; May 25.
Lamp suitable for day or night use, chiefly on motor cars, Signaling. J. M. Duthie. 1,586,242; May 25.
Lamps and the like, Manufacture of electric. C. C. Van Voorhis. 1,585,803; May 25.
Lamps, Front glass for vehicle. A. W. Pougher. 1,585,873; May 25.
Lamps, Method of and apparatus for sealing mounts in electric. J. J. Higgins. 1,585,913; May 25.
Last. G. Clausing. 1,586,409; May 25.
Last. W. Saklad. 1,586,120; May 25.
Latch mechanism, Door-. G. H. Piggot. 1,585,689; May 25.
Lathe attachment. A. Bivins. 1,586,139; May 25.
Lathe chuck. J. J. Thacher. 1,586,227; May 25.
Lawn sprinkler. W. L. Deming. 1,586,294; May 25.
Laxative. E. Impens. 1,586,039–40; May 25.
Leaf-spring-lubricating means. H. K. Seung. 1,585,881; May 25.
Leather goods. Pocket construction for. A. Ehrlinger. 1,586,299; May 25.
Leather-splitting machines, Ring roll for. J. A. Meyer. 1,586,100; May 25.
Lecithin, Production of pure. O. Dengler. 1,586,145; May 25.
Letter. T. Jellow. 1,586,088; May 25.
Level-indicating device, Liquid-. E. E. Huffman. 1,586,200; May 25.
Level indicators, Manometer for liquid. F. Kauffmann. 1,586,201; May 25.
Lever. J. I. Muncy. 1,585,935; May 25.
Life-saving belt. R. L. Schroeder. 1,585,695; May 25.
Light reflector, Vehicle. O. E. Kline. 1,585,995; May 25.
Lighting fixture. F. S. Crowell. 1,585,773; May 25.
Lighting fixture. J. K. Riddle. 1,585,787; May 25.
Lighting fixture, Ceiling. W. von Nessen. Des. 70,257–8; May 25.
Lighting fixtures, Backplate for. W. von Nessen. Des. 70,256; May 25.
Limb, Artificial. E. W. Underwood. 1,586,015; May 25.
Lime, Burning. J. T. Mabee. 1,586,318; May 25.
Link cross chain, Revolving-. J. Senft. 1,586,387; May 25.
Liquid dispenser. G. A. Bobrick. 1,586,398; May 25.
Liquids from solids, Apparatus for separating. H. C. Behr. 1,586,395; May 25.
Liquid-fuel burner. F. A. Trow. 1,586,489; May 25.
Liquid-level controls, Noncollapsible float for. E. E. Simpson. 1,586,476; May 25.
Liquid-level indicator. E. W. Gard. 1,585,971; May 25.
Liquids, Funnel for measuring, drawing, and pouring. G. B. Canale. 1,585,761; May 25.
Load device, Variable-. S. G. Down. 1,585,833; May 25.
Load indicator. D. F. Axelson. 1,585,634; May 25.
Loaders, Pick-up apparatus for root. H. Leitch. 1,585,727; May 25.
Loading material, Apparatus for. F. L. Schoew. 1,585,694; May 25.
Lock: *See*—
Air-feed lock. Pen-cap lock.
Auto tire-chain lock. Permutation lock.
Cloth-roll lock. Sash lock.
Keyless lock.
Lock. D. Roberti. 1,586,471; May 25.
Lock. M. Sbeinman. 1,586,223; May 25.
Lock. N. M. Stone. 1,585,799; May 25.
Lock. S. L. Terry. 1,586,165; May 25.
Locking device, Transmission-. E. Kirchner, O. F. Immell, and C. R. Pieper. 1,586,246; May 25.
Locking device, Wheel-rim-. C. D. Eaton. 1,586,298; May 25.
Locomotive booster-motor control. O. L. McConnell. 1,586,453; May 25.
Locomotive stoker. N. M. Lower. 1,585,930; May 25.
Locomotive trucks, Safety device for. H. S. Johnson. 1,586,448; May 25.
Looms, Automatically-threading shuttle for. J. A. Self, sr. 1,586,334; May 25.
Loud speaker. M. C. Hopkins. Des. 70,225–6; May 25.
Loud-speaking apparatus of the electromagnetic type. L. Lumlere. 1,586,452; May 25.
Lubricating system. W. G. Twyman. 1,585,742; May 25.
Mail-exchange device. H. E. Smith. 1,585,697; May 25.
Mail-exchange device, Railway-. H. E. Smith. 1,585,698; May 25.
Manuscript holder, Adjustable. E. and O. Mandler. 1,586,098; May 25.

Map and winding mechanism therefor, Road. J. E. Mann. 1,586,372; May 25.
Massage and shampoo comb. W. Duncan. 1,586,031; May 25.
Massage implement. E. L. Clark. 1,585,767; May 25.
Massaging machine. J. H. Kellogg and N. E. Goodrich. 1,585,923; May 25.
Match box, Combination. H. O. Hatt. 1,585,980; May 25.
Material-handling apparatus. H. E. Henricks. 1,586,084; May 25.
Mattress-display rack. E. C. Paul. 1,585,937; May 25.
Measuring device, Thread-. H. S. Frampton. 1,585,660; May 25.
Mechanical movement. C. Phelps. 1,586,216; May 25.
Mechanical movement. B. M. Walker. 1,586,493; May 25.
Memorandum device. J. A. Weingart. 1,585,747; May 25.
Metal with a gas, Metal and apparatus for combining molten. H. A. Poppenhusen. 1,586,328; May 25.
Meter: *See*—
Oscillation meter.
Meters, Recording device for. E. G. Gebauer. 1,586,423; May 25.
Milling device. D. F. Domizi. 1,585,902; May 25.
Minerals, Nodulization of. W. O. Borcherdt. 1,585,755; May 25.
Minerals, Treating. E. B. Higgins. 1,586,365; May 25.
Minerals, Treatment of. W. O. Borcherdt. 1,585,756; May 25.
Mining machine. M. P. Holmes. 1,585,916–7; May 25.
Mixer: *See*—
Dough mixer. Solution mixer.
Mold: *See*—
Baseboard and shoe mold. Multiple mold.
Molding machine, Leaf-. F. X. Lauterbur. 1,585,724; May 25.
Mononitrochlorobenzine, Manufacture of. J. W. Livingston and L. P. Kyrides. 1,586,253; May 25.
Monuments and the like from plastic material, Molding. J. E. Cochran. 1,586,352; May 25.
Motor: *See*—
Alternating-current motor. Wave motor.
Internal-combustion motor.
Motors, Controlling rotating field. H. Anchutz-Kaempfe. 1,586,223; May 25.
Motors, Lubricating arrangement for. J. M. Heinrich. 1,585,985; May 25.
Mounting. E. H. Jacobs. 1,585,718; May 25.
Mower, Lawn. J. W. Cooper and J. B. Morris. 1,586,143; May 25.
Mufler and cut-out, Combined. E. Wheeler. 1,586,019; May 25.
Muffler and scarf, Combined. D. Evans. 1,586,077; May 25.
Multiple mold. S. Flam. 1,585,845; May 25.
Music sheets, Apparatus and method for punching. B. E. Mills. 1,586,257; May 25.
Musical instrument, Electrical. H. S. Mills. 1,586,258; May 25.
Mute. C. Alimondo. 1,585,813; May 25.
Nappy. T. C. Helsey. Des. 70,224; May 25.
Necktie fastening. L. A. Westervelt. 1,585,952; May 25.
Necktie holder. R. T. Ross. 1,586,384; May 25.
Needle, Diagnostic. J. Muir. 1,585,934; May 25.
Needle threader. A. Stephen. 1,585,883; May 25.
Networks, Selecting balancing. R. D. Conway. 1,585,770; May 25.
Newspaper-stuffing machine. S. Halvorsen. 1,586,196; May 25.
Nitrocellulose, Making acetylated. H. P. Bassett and T. F. Banigan. 1,586,437; May 25.
Nozzle, Air-brush. A. Shelburne. 1,586,010; May 25.
Number and plate, Indicating. E. J. Nalls. 1,586,161; May 25.
Number-plate bracket. G. Champoux. 1,586,408; May 25.
Objects with milled grooves, Machine for producing. J. E. Bergström. 1,585,824; May 25.
Oil, Apparatus for refining. M. J. Trumble. 1,586,132; May 25.
Oil burner. D. R. Glass. 1,585,850; May 25.
Oil burner. H. Griffoul. 1,586,149; May 25.
Oil burner. G. B. Markoe. 1,586,373; May 25.
Oil burner. E. Siebert. 1,585,941; May 25.
Oil can, Force-feed. A. C. Recker. 1,586,218; May 25.
Oil wells, Maintaining a double circulation in. R. N. Ferguson. 1,585,969; May 25.
Oils and hydrocarbons, Treatment of. J. S. Miller, jr. 1,586,376; May 25.
Oils, Using concentrated decolorizing clays for refining lubricating. A. Jurtissen. 1,585,922; May 25.
Organ. E. J. Buchheim. 1,586,283; May 25.
Orthopedic device. J. J. Bierig. 1,585,828; May 25.
Oscillation meter. W. Regelein and A. Glaubitz. 1,586,004; May 25.
Ovens, Conveyer for bakers'. C. D. Reed. 1,586,382; May 25.
Oxide ware, Production of refractory. J. W. Marden. 1,585,779; May 25.
Package and toy, Combined. L. R. Carley and G. H. Kay. 1,585,849; May 25.
Packing. P. B. Joyce. 1,585,864; May 25.
Packing-house equipment. F. S. Varney. 1,585,950; May 25.
Pallet cleaner. C. H. Lasker. 1,585,869; May 25.
Paper-making machine. G. Lamoureux. 1,586,204; May 25.
Paper-making machines, Felt cleaner for. H. E. Eurich. 1,586,358; May 25.
Paper or the like, Cover. W. C. Ostrander. Des. 70,237–8; May 25.
Patch, Blow-out. O. A. Morehouse. 1,586,104; May 25.
Pattern and guide strip. S. H. Calkins. 1,586,287; May 25.
Paving composition. J. H. Amies. 1,585,635; May 25.
Pedal-control mechanism. J. W. Hawn. 1,585,855; May 25.
Pen-cap lock, Fountain-. N. Koplow. 1,586,369; May 25.
Pen, Fountain. J. C. Wahl and I. D. Tefft. 1,585,805; May 25.
Pencil. W. H. Fitch. 1,585,843; May 25.
Percolator. J. A. Irving. 1,585,919; May 25.
Phonograph records, Mailing holder for. H. N. Frisbie. 1,585,846; May 25.
Phosphorus products, Production of. G. Pistor and E. Borsbach. 1,586,115; May 25.
Photographs and camera mounting for use in connection therewith, Taking. H. L. Cooke. 1,586,070; May 25.
Photographs, Method and apparatus for taking. H. L. Cooke. 1,586,071; May 25.
Picture. J. Chitra. 1,585,765; May 25.
Pin: *See*—
Bowling pin.
Pin case. J. F. Franzén. 1,586,359; May 25.
Pin-fastening machine. F. Polzer. 1,586,217; May 25.
Pipe: *See*—
Tobacco-smoking pipe.
Pipe, Apparatus for rotating. H. Foley. 1,586,301; May 25.
Pipe coupling. J. L. L. A. A. Moulet. 1,586,105; May 25.
Pipe coupling. O. L. Waller. 1,585,951; May 25.
Pipe fitting, Flow-cut-off. M. A. Lawton. 1,585,726; May 25.
Pipe-slotting machine. C. J. Coberly. 1,585,893; May 25.
Pistols, Firing mechanism for machine. H. Schmeisser. 1,586,048; May 25.
Piston ring. P. H. Norton. 1,586,459; May 25.
Planer, Universal. W. S. Heckman. 1,586,197; May 25.
Plaster block and composition therefor. F. M. Venzie. 1,585,743; May 25.
Plaster board. E. Westberg. 1,586,018; May 25.
Plastic composition. Z. P. Romerill. 1,586,045; May 25.
Plastic composition, Nonconducting. Z. P. Romerill. 1,586,046; May 25.
Plate or similar article. J. E. Goodwin. Des. 70,221–2; May 25.
Pliers. H. C. Du Bois. 1,586,297; May 25.
Plow attachment. R. L. Gullick. 1,585,704; May 25.
Plumb level. H. L. Hunter. 1,586,153; May 25.
Pneumatic tool. C. Saulia. 1,585,740; May 25.
Pocket, Clearance. W. C. Bardenheuer. 1,586,278; May 25.
Positioning mechanism. B. A. Linderman. 1,585,776; May 25.
Post: *See*—
Spring binding post.
Power generator. C. Kiester. 1,586,203; May 25.
Power shovel. W. W. Sloane. 1,586,012; May 25.
Presser-foot mechanism, Variable-width. R. M. Sharaf. 1,586,163; May 25.
Presses, Pitman mechanism for power. E. W. Zeh. 1,586,171; May 25.
Pressing machines, Blank-feeding mechanism for. H. A. Dwyer. 1,585,965; May 25.
Primer composition. H. Rathsburg. 1,586,380; May 25.
Printing arc-lamp carbons, Machine for. C. W. Johnson. 1,586,310; May 25.
Printing form and preparing same. Deep-. L. Levisson. 1,585,998; May 25.
Printing-plate roll. R. J. Smothers. 1,586,478; May 25.
Printing presses, Magazine ink-distributing device for. A. G. Lape. 1,586,371; May 25.
Printing presses, Safety device for. H. Del Vecchio. 1,586,183; May 25.
Printing roll. R. J. Smothers. 1,586,477; May 25.
Projectiles, Fuse for. B. Bantoflček. 1,585,686; May 25.
Propeller blades, Method and apparatus for surfacing. W. H. Glocker. 1,585,851; May 25.
Pump. G. T. Hansen. 1,585,669; May 25.
Pump. R. Hildebrand. 1,586,307; May 25.
Pump mechanism. J. Becker. 1,586,138; May 25.
Pump, Molecular vacuum. F. Mauron, O. Seitz, and J. Jonas. 1,586,160; May 25.
Pumps, Nonleak seat and anchor for liner. C. and F. Sprague. 1,586,482; May 25.
Pumping apparatus. C. Warner. 1,586,017; May 25.
Punch, Center. G. A. Brunelle. 1,586,281; May 25.
Puzzle game, Cross-word. P. W. Kiesling. 1,586,429; May 25.
Rack: *See*—
Mattress-display rack.
Radio and telephone apparatus, Receiver for. R. W. S. Bonnette. 1,586,140; May 25.

Radiocabinets, Making. G. W. Bulley. 1,585,759; May 25.
Radiocommunications, Guarding against the unauthorized receiving of. R. Bainton. 1,586,060; May 25.
Rail anchor. R. Dinklage. 1,585,901; May 25.
Rail fastener. W. Dalton. 1,585,964; May 25.
Rail fastener. R. Pronini. 1,585,734–5; May 25.
Rail joining and gauging device. B. Rhodes. 1,586,470; May 25.
Rail-joint lock and stabilizer. J. J. Mangham and J. M. Slate. 1,585,728; May 25.
Rail tie and fastener. J. G. Snyder. 1,586,051; May 25.
Rail tie and fastener. J. G. Snyder. 1,586,480; May 25.
Railway-crossing gate. S. Kolaries. 1,586,430; May 25.
Railway crossings, Life-saving gate on. E. S. and N. T. Jones. 1,585,993; May 25.
Railway rails, Connection device for. J. and P. Ganime. 1,586,081; May 25.
Railway-track liner. W. Taylor. 1,586,014; May 25.
Railways, Signal device for. R. E. Chatham. 1,585,891; May 25.
Rake: *See*—
Vineyard-brush rake.
Rake. E. S. Anderson. 1,585,958; May 25.
Ranges, Oven for electric. R. H. MacInnes. 1,586,158; May 25.
Reamer, Adjustable. F. O. Ewell and W. M. Shuey. 1,585,656; May 25.
Reamer, Adjustable. F. O. Ewell, W. M. Shuey, and W. G. Vandgergrift. 1,585,657; May 25.
Reciprocating motion into a rotary motion, Device for transforming a. F. W. Ståhlberger. 1,585,796; May 25.
Recording and detecting system. C. C. Kruse. 1,585,867; May 25.
Reflector. H. C. Hawks. 1,585,712; May 25.
Reflector for light projection. R. C. Gowdy. 1,585,852; May 25.
Refractory and ceramic process and material. A. G. Betts. 1,585,827; May 25.
Refrigerating apparatus. K. K. Hall. 1,585,775; May 25.
Refrigerators, Water-cooling attachment for. W. Bodenstedt. 1,585,830; May 25.
Register and the like, Hotel. S. Salomon. 1,586,331; May 25.
Regulator: *See*—
Rotation and feed regulator.
Resistor grid. F. T. Cope. 1,586,240; May 25.
Rim spreader. J. Calligan. 1,585,889; May 25.
Ring: *See*—
Piston ring.
Road grader. R. F. Agnew. 1,585,633; May 25.
Road-sweeping and refuse-collecting machine. R. F. Clayton and J. W. Jammison. 1,585,768; May 25.
Rock drill, Hand-rotated. L. C. Bayles. 1,585,821; May 25.
Rock drill, Rotary. J. Henritzi. 1,586,243; May 25.
Rock, Method of and apparatus for breaking out. G. H. Gilman. 1,585,664; May 25.
Roll. H. C. Smith. 1,585,696; May 25.
Roll-ganging machine. J. Keller. 1,586,156; May 25.
Rolls, Machine for gauging roundness and taper of. J. Keller. 1,586,155; May 25.
Roller: *See*
Bearing roller.
Street-paving roller.
Roller and stalk cutter, Land. G. Ernst. 1,585,839; May 25.
Rolling machine. R. Heln. 1,586,150; May 25.
Roof construction. H. O. Davidson. 1,585,897; May 25.
Roof-edging device. F. W. Hennessy. 1,585,967; May 25.
Roofing element. T. Robinson. 1,585,692; May 25.
Roofing, Prepared. T. Robinson. 1,585,693; May 25.
Rope and strap fastener. E. D. Barton. 1,586,061; May 25.
Rotation and feed regulator. L. C. Bayles and F. M. Slater. 1,585,641; May 25.
Rubber heels, Attaching. G. C. Roppert. 1,586,219; May 25.
Rubber, Method and apparatus for drying. W. T. Runals, jr. 1,585,739; May 25.
Rubber, Producing perforated sheet sponge. C. T. Dickey. 1,586,076; May 25.
Rubber-vulcanization accelerator. W. Scott. 1,586,121; May 25.
Rug and making same, Block-printed felt-base. N. L. Campbell. 1,586,288; May 25.
Rug-leaning machine. C. F. Gregg. 1,586,305; May 25.
Rule clip or holder. J. M. Kelly. 1,586,202; May 25.
Sash. R. H. and G. C. Bliss. 1,585,829; May 25.
Sash construction. C. P. Pond. 1,586,379; May 25.
Sash lock. R. H. Hummert. 1,585,717; May 25.
Sawing machine. F. G. Walker. 1,586,494; May 25.
Saw set. H. W. Uhlenkott. 1,586,134; May 25.
Saxophone-supporting cord. A. S. Lang. 1,586,251; May 25.
Scaffold. G. H. Frush. 1,586,421; May 25.
Scaffold, Chimney. A. J. Hall. 1,586,038; May 25.
Scaffold clamp. W. Elemes. 1,585,838; May 25.
Scissors. J. C. Caldwell. 1,586,026; May 25.
Scissors gauge. F. J. Lewis. 1,585,927; May 25.
Scleroscope. T. A. Hall. 1,586,363; May 25.
Scooters, Brake for. L. S. Kallajian. 1,586,041; May 25.
Scraper. D. R. Throop. 1,585,947; May 25.
Scraping and grading machines, Road. O. B. Walters. 1,586,230; May 25.
Screen: *See*—
Glare screen.
Screens from metallic tubes, Machine for making well. E. E. Johnson. 1,586,311; May 25.
Scribable sheet, tag, and the like, Moistureproof. C. T. Wittstein. 1,586,433; May 25.
Sealing machine. H. H. Metcalf. 1,586,375; May 25.
Seesaw. A. A. Lovejoy. 1,586,254; May 25.
Sewing machine, Blindstitch. H. C. Moulton. 1,585,676; May 25.
Sewing machines, Looper mechanism for chain-stitch. A. Grieb. 1,585,665; May 25.
Sewing machines, Trimming mechanism for. J. C. Ringe. 1,585,691; May 25.
Shade fabric, Waterproof. W. E. Fletcher. 1,586,189; May 25.
Shade holder. P. Vogt. 1,585,744; May 25.
Shaft coupling. V. E. Lane. 1,586,250; May 25.
Shafts, Connecting and operating. A. W. Winterborne. 1,586,136; May 25.
Shank and bit punch. H. Levine. 1,586,205; May 25.
Sheet wadding, Machine for making membranous. E. M. Hall. 1,585,977; May 25.
Shim-filing clamp. H. F. Spotts. 1,586,481; May 25.
Ship's instrument. G. Walker. 1,586,432; May 25.
Shock absorber. C. E. Houx. 1,586,510; May 25.
Shock absorber. G. C. Martin. 1,586,207; May 25.
Shock absorber. W. C. Starkey. 1,585,797; May 25.
Shock absorber. W. H. Whisler. 1,586,392; May 25.
Shock-absorbing machine, Friction. G. A. Johnson. 1,585,721; May 25.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,585,708–10; May 25.
Shock-absorbing mechanism, Friction. G. A. Johnson. 1,586,312; May 25.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,585,677–80; May 25.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,586,322–3; May 25.
Shocker. B. C. Berry. 1,586,501; May 25.
Shocker, Grain. R. R. Richmond. 1,586,383; May 25.
Shoe. T. Davis. Des. 70,216; May 25.
Shoe, Flexible. C. J. Krauthoefer. 1,585,924; May 25.
Shoe-lace tip. M. L. Rose. 1,586,473; May 25.
Shopping bag. A. J. Du Bois. 1,586,356; May 25.
Shovels, Attachment for. A. Q. Walsh. 1,586,056; May 25.
Shuttle. R. Jamieson. 1,585,921; May 25.
Shuttle-feeder thread parter and clamp. H. A. Davis. 1,585,898; May 25.
Sieve, Vibrating. G. R. B. Sörensen. 1,585,794; May 25.
Sign. Z. Bronstein. 1,586,237; May 25.
Sign. R. M. Pearson and W. Letzig. 1,586,464; May 25.
Sign, Electric. F. Z. Barrundia. 1,586,436; May 25.
Signal-light casing. F. A. Stille. Des. 70,244; May 25.
Siren and driving means therefor. L. H. Miles. 1,586,101; May 25.
Skins, Lime treatment of. M. Bouguignon. 1,586,062; May 25.
Slack-take-up device. D. M. Russell and J. Buchanan. 1,586,047; May 25.
Sleeve remover and replacer. F. R. Hartsock. 1,585,707; May 25.
Slicing device. A. A. Haulman. 1,585,711; May 25.
Smoke consumer. A. R. Clark. 1,585,963; May 25.
Snare-drum attachment. J. M. Elliott. 1,585,655; May 25.
Soap dispenser, Liquid-. G. A. Bobrick. 1,586,397; May 25.
Sodium, Preparation of. P. L. Hulin. 1,585,716; May 25.
Solution mixer. N. R. Solly. 1,586,336; May 25.
Sound-emitting device. E. Bocchino. 1,586,399; May 25.
Spark arrester. V. Howard. 1,585,714; May 25.
Spectacle temple. J. M. Nelson. 1,586,109; May 25.
Spectacles. F. F. Newhouse. 1,586,110; May 25.
Spike, Rail. W. C. Wellborn. 1,585,808; May 25.
Spindle machine, Multiple-. E. P. Bullard, jr. 1,586,066; May 25.
Spinning rings, Making. J. Higginson. 1,585,989; May 25.
Spoon or similar article. O. Martha. Des. 70,234; May 25.
Spraying device. A. F. Andrews and V. Prager. 1,585,815; May 25.
Spray tower. C. E. Greene. 1,586,083; May 25.
Spring: *See*—
Vehicle spring.
Spring binding post. A. P. Fahnestock. 1,585,840; May 25.
Spring frame. C. F. Coda. 1,585,804; May 25.
Spring movement and washing machine, Combination. E. J. Rapps. 1,586,468; May 25.
Spring suspension. A. D. Talt. 1,586,164; May 25.
Sprinkler: *See*—
Lawn sprinkler.
Stacker, Quick. T. Huerth. 1,585,715; May 25.
Stand: *See*—
Display stand.
Stand for a table lamp. T. Chanock. Des. 70,213; May 25.

Stapling machines, Feeding mechanism for. T. A. Briggs. 1,586,064; May 25.
Stationery. H. V. Swenson. 1,585,946; May 25.
Statuette or similar article. G. M. Teale. Des. 70,253; May 25.
Staves, Rack for drying. C. H. Young. 1,585,752; May 25.
Steam-accumulator plant and operating the same. J. K. Ruths. 1,585,790; May 25.
Steam plant. J. Ruths. 1,585,791; May 25.
Steering-knuckle construction. T. V. Buckwalter. 1,585,738; May 25.
Stenciling machine. E. G. Rowley. 1,586,119; May 25.
Steps, Form for concrete. I. V. Bilyeu. 1,586,440; May 25.
Still, Continuous refluxing. M. J. Trumble. 1,586,133; May 25.
Stone-setting tool. L. W. Rowland. 1,585,738; May 25.
Stool or table, Folding. C. A. Galland. 1,585,661; May 25.
Storage-battery terminal. E. M. Powell. 1,585,874; May 25.
Strainer, Suction. C. Cornwall. 1,586,292; May 25.
Street-paving roller. H. W. Laster. 1,586,157; May 25.
Stringed instruments, Tremolo device for self-playing. H. S. Mills. 1,586,259; May 25.
Strip can, Tearing-. J. M. Young. 1,586,277; May 25.
Structural elements, Footing for. H. O. Hill. 1,586,085; May 25.
Stuffing box. R. L. Hendrickson. 1,586,364; May 25.
Sucker-rod hanger. J. E. Hitchcock. 1,585,914; May 25.
Sugar-beet diffusion juice, Treating. H. S. Thatcher and S. E. Josi. 1,586,486; May 25.
Superphosphate, Apparatus for the manufacture of. F. W. R. Williams. 1,585,810; May 25.
Support, Yieldable. H. B. Fields. 1,586,300; May 25.
Surf board. H. H. Newby. 1,586,458; May 25.
Surgical splint. W. H. Huff. 1,585,861; May 25.
Switch: *See*—
Door-operated switch.
Switching mechanism, Emergency. A. L. Matte. 1,585,729; May 25.
Swimming pools, Construction of. G. E. Rohmer. 1,585,736; May 25.
Table: *See*—
Camping table.
Extension table.
Table. H. E. Thixton. 1,586,487; May 25.
Tank: *See*—
Electrolytic tank.
Tanks, Telltale for. G. E. Deatherage. 1,586,182; May 25.
Teapot. R. C. Johnson. Des. 70,229; May 25.
Telegraphy, Station for duplex wireless. H. J. J. M. de R. de Bellescize. 1,586,144; May 25.
Telephone and telegraph poles, Machine for roofing. C. R. Churchman. 1,586,068; May 25.
Telephone-exchange system. E. E. Clement. 1,585,769; May 25.
Telephone-exchange systems, Electrical switching apparatus for automatic. C. J. Erickson. 1,586,033; May 25.
Telephone-receiver attachment. F. R. Hawkins and S. P. Wilson. 1,585,981; May 25.
Telephone system. H. D. Currier and G. R. Eaton. 1,585,652; May 25.
Telephone system. J. H. Homrighous. 1,586,308; May 25.
Telephone system, Automatic. J. Wicks. 1,586,057; May 25.
Telephone transmission measurements. A. B. Clark. 1,585,701; May 25.
Telephones, Number card and holder for. R. B. Crosby. 1,586,180; May 25.
Terminal-block attachment. R. R. Beezley. 1,586,438; May 25.
Test indicator. H. A. Lowe. 1,585,778; May 25.
Theftproof bag. J. O. Pedersen. 1,586,113; May 25.
Thermionic converter. L. W. Chubb. 1,585,766; May 25.
Thermometer. R. E. Mann. Des. 70,232–3; May 25.
Thermometers, Fitting for. B. H. Bristol, A. G. Beal, and M. B. Hall. 1,586,351; May 25.
Thimble. A. Olevin. 1,585,936; May 25.
Thionaphthisatins and making the same. H. Staudinger, R. Stocker, R. Tobler, A. Bucher, and J. Mueller. 1,586,013; May 25.
Threading machines and the like, Gear box for. L. S. Hall. 1,586,362; May 25.
Ticket book. L. Rittelman, F. A. Watte, and C. H. Ebbets, jr. 1,585,788; May 25.
Tickets, coupons, and the like, Sealed container for. L. Rittelman. 1,585,789; May 25.
Tie and fastener. J. G. Snyder. 1,586,049; May 25.
Tie and fastener, Metallic. J. G. Snyder. 1,586,050; May 25.
Tie and fastener. J. G. Snyder. 1,586,479; May 25.
Tire. S. C. Hatfield. Des. 70,223; May 25.
Tire, Automobile. M. R. Price. 1,585,875; May 25.
Tire-chain lock, Auto. H. I. Willis. 1,585,935; May 25.
Tire, vehicle. F. G. Elker. 1,585,837; May 25.
Tire wheel. J. Blaschke. 1,586,349; May 25.
Tires, Method of and apparatus for manufacturing multicellular air tubes for pneumatic. T. B. McLeroth. 1,585,904; May 25.
Tires, Retreading of pneumatic. L. Miller. 1,585,933; May 25.
Tobacco-smoking pipe. J. A. Watters. 1,585,746; May 25.
Tool, Combination. H. S. Gilbert. Des. 70,218; May 25.
Tool. F. J. McIntyre. 1,585,903; May 25.
Tool box. M. Meyerson. 1,586,319; May 25.
Tools, Feeding device for machine. J. E. Bergström. 1,585,522; May 25.
Toothbrush, R. Noble. 1,586,262; May 25.
Toothbrush-cover device. R. E. Tolliner. 1,586,488; May 25.
Toothbrush holder. J. V. Scott. 1,586,332; May 25.
Tooth cleaner and medicine carrier, Combined flexible. L. L. Funk. 1,586,302; May 25.
Tooth exerciser. H. A. Worth. 1,586,499; May 25.
Towel-folding machine. A. S. Mitchell. 1,586,456; May 25.
Toy, Knockdown display. G. H. Fritzsche. 1,586,191; May 25.
Toy locomotive with electric reversing gear, Electric. W. Schwarzenhauer. 1,586,221; May 25.
Toy, Mechanical. M. C. Beach. 1,585,887; May 25.
Toy pistol or gun. J. C. Arnold. 1,586,059; May 25.
Toy submarine. W. Borkenstein. 1,585,757; May 25.
Toy telephones, Dial mechanism for. H. D. Allen. 1,586,504; May 25.
Toy, Wheeled. J. J. Fiore. 1,586,146; May 25.
Tractors, Sawing and grinding attachment for. W. M. Barber. 1,585,818; May 25.
Traffic signal and trouble lamp, Combination hand. G. A. Miller. 1,586,001; May 25.
Traffic signal, Lens head for a. E. H. Medén. Des. 70,236; May 25.
Transmission lines, Electrical connecter for. C. Smith. 1,586,124; May 25.
Transparencies, Manufacture of. E. H. Pence. 1,586,114; May 25.
Trap: *See*—
Deadfall trap.
Traveling block. W. G. Vreeland. 1,586,272; May 25.
Trousers protector. D. Billingsley. 1,586,235; May 25.
Truing device. B. M. W. Hanson. 1,585,705; May 25.
Trunk. J. Jacques. 1,586,446; May 25.
Trunks, Ironing-board attachment for wardrobe. G. H. Wheary. 1,585,953; May 25.
Tub fastener. W. F. Lange. 1,586,370; May 25.
Tube: *See*—
Air and water tube.
Tube-leak detector. G. F. Storm. 1,586,127; May 25.
Tubes, Manufacturing of. O. Krogh and C. Henriksen. 1,586,249; May 25.
Tunnel oven. G. Gröndal and L. Carlson. 1,586,306; May 25.
Turbine-blade fastening. H. T. Herr and L. L. Smith. 1,585,713; May 25.
Turbine, Elastic-fluid. H. J. Hanzlik. 1,585,670; May 25.
Turbine gates, Breakable link for. G. A. Jessop. 1,585,862; May 25.
Turning and like machine tool, Vertical automatic. F. E. Ryder. 1,586,007; May 25.
Typewriting machine. A. G. F. Kurowski. 1,586,090; May 25.
Typewriting machine. J. Lindburg. 1,586,094; May 25.
Typewriting machine. J. Waldheim. 1,586,343; May 25.
Typewriting machines, Tabulation mechanism of. O. Fischer. 1,585,658; May 25.
Typographical composing machines, Matrix or type die for. T. Drake. 1,586,296; May 25.
Typographical distributing machine. D. S. Kennedy. 1,586,313; May 25.
Typographical machine. J. G. McNamara. 1,586,316–17; May 25.
Vacuums, Making bases and receptacles for. F. H. Shaw. 1,586,122; May 25.
Valve. A. J. Otto and C. L. Fortier. 1,585,732; May 25.
Valve. W. G. Wilson. 1,586,346–7; May 25.
Valve apparatus, Remote-control. C. Atherton. 1,585,816; May 25.
Valve, Automatic water. L. C. Rishel. 1,586,005; May 25.
Valve, Change. F. B. Moorman. 1,585,908; May 25.
Valve-cooling device. F. L. Madler. 1,585,932; May 25.
Valve device, Brake-. T. Barty and F. A. Burrows. 1,585,819; May 25.
Valve-lifting machine. J. R. Funk and W. Lynch. 1,586,360; May 25.
Valve, Loose-sent gate. W. G. Wilson. 1,586,345; May 25.
Valve mechanism, Governor-. H. R. Trotter. 1,586,167; May 25.
Valve, Quick-action diaphragm-operated. S. G. Neal. 1,586108; May 25.
Valve, Reducing. A. P. Anderson. 1,585,885; May 25.
Valve-spring compressor. R. C. Cook. 1,586,410; May 25.
Valve, Thermionic. H. O. Rugh. 1,585,878; May 25.
Valve with flexible blades for high-speed pumps, Automatic. E. H. Tartrais. 1,586,226; May 25.
Vanity case. A. Clemens. 1,586,290; May 25.
Vehicle brake. E. C. Norton. 1,586,214; May 25.
Vehicle brake, Motor-driven-. F. E. Fuge. 1,586,192; May 25.

Vehicle, Child's. W. G. Doud. 1,585,832; May 25.
Vehicle, Self-loading. G. W. Otterson. Re16,356; May 25.
Vehicle spring. M. J. Brown. 1,586,404; May 25.
Vehicle spring. H. E. Spangler. 1,586,389; May 25.
Vehicle top side inclosure. C. E. Childs. 1,585,764; May 25.
Vehicles and implements, Power lift for agricultural. L. Brenneis. 1,586,236; May 25.
Vehicles, Body for motor. A. L. Fontan. 1,586,19[illegible] May 25.
Vehicles, Collapsible luggage carrier for. E. M. Pels. 1,585,871; May 25.
Vehicles, Direction signal for motor. N. K. Petsonis. 1,585,872; May 25.
Vehicles, Elastic pneumatic suspension for. G. Taraglio. 1,586,340; May 25.
Vehicles, Front radius rod for motor. L. F. Hucker. 1,586,152; May 25.
Vehicles, Life guard for motor. F. Padovani. 1,586,461; May 25.
Vehicles, Snow attachment for automotive. L. Mayer. 1,586,209; May 25.
Vehicles, Steering gear for four-wheel trailed. A. Arato. 1,585,753; May 25.
Vending machine. H. Noteboom. 1,586,460; May 25.
Vending-machine casing. H. H. Hunt. Des. 70,227; May 25.
Victrolas, Regulator for. J. Ducci. 1,586,414; May 25.
Vineyard-brush rake. C. W. Parker. 1,585,870; May 25.
Visor. J. Berg. 1,586,507; May 25.
Vulcanizing block. P. R. C. Wiuans. 1,586,275; May 25.
Waffle iron. J. Leitner. 1,586,093; May 25.
Waffle-iron attachment. G. Boyce. 1,586,402; May 25.
Wagons, Apparatus for tipping railway. F. G. Mitchell. 1,585,730; May 25.
Wall paper or similar article. H. T. Abolin. Des. 70,205–6; May 25.
Washing machine. P. E. Barker. 1,586,022; May 25.
Washing machine. C. L. Braley. 1,586,403; May 25.
Washing machine. J. P. Martin. 1,586,374; May 25.
Watchcase receiver. J. A. Stirling. 1,585,699; May 25.
Water-closet-flushing means of compressed-energy type. F. Formaneck. 1,586,079; May 25.
Water-closets, Flush valve for. E. H. Gove. 1,586,193; May 25.
Water system. C. F. Kettering and G. A. Buvinger. 1,585,994; May 25.
Water tanks of air washers, Automatic liquid-supply means for. C. L. Burge. 1,586,405; May 25.
Water wheel and diving platform. H. W. Sellner. 1,586,222; May 25.
Wave motor. C. Venter. 1,586,492; May 25.
Wedding ring. J. Berlinger. Des. 70,209; May 25.
Weeding machine. T. B. Webb and E. F. Driscoll. 1,586,169; May 25.
Weighing apparatus, Automatic. P. Durand. 1,585,835; May 25.
Wheel: *See*—
Tire wheel.
Wheel. C. E. Goodyear. 1,586,425; May 25.
Wind instruments, Center bearing for key mechanism of wood. A. Loomis. 1,586,206; May 25.
Windshield cleaner. J. F. White. 1,585,809; May 25.
Windshield wing. N. T. Albright and B. J. Hubbard. Des. 70,207; May 25.
Winding engine. T. S. Miller. 1,586,210; May 25.
Winding machine. J. D. Joyce. 1,585,865; May 25.
Window-cleaning apparatus. J. Don. 1,586,185; May 25.
Window closer, Automatic. T. E. Davis. 1,586,073; May 25.
Window construction, Metal. J. E. Dennis. 1,585,899; May 25.
Window opening and closing mechanism. T. W. Hamill. 1,586,427; May 25.
Window-screen mounting. C. F. Geschickter. 1,585,847; May 25.
Window shield. F. H. Krewson. 1,586,089; May 25.
Windows, Protective shutter for shop. A. D. Perkins. 1,585,733; May 25.
Wood and the like, Low-temperature explosion process of disintegrating. W. H. Mason. 1,586,159; May 25.
Wood, lumber, and the like, Apparatus for drying. J. B. Welch. 1,586,232; May 25.
Wood preservation. A. M. Howald. 1,585,860; May 25.
Woodworking machine. E. D. Boyce. 1,586,063; May 25.
Wrapping machine. H. Schlotthauer. 1,585,879; May 25.
Wrench. W. L. Bessolo. 1,585,825; May 25.
Wrench. B. J. Greer. 1,585,853; May 25.
Wringer: *See*—
Clothes wringer.
X-ray apparatus. C. E. Campbell. 1,585,890; May 25.
X-ray apparatus. C. E. Campbell. 1,586,027; May 25.

CLASSIFICATION OF PATENTS

ISSUED MAY 25, 1926.

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Reissues	2—No.	16,357 to No.	16,358, inclusive.
Designs	49—No.	70,259 to No.	70,307, inclusive.
Patents	963—No.	1,586,511 to No.	1,587,493, inclusive.
Total	1,443		

Regulations Concerning the Sale of German Patent Specifications.

U. S. PATENT OFFICE, *Washington, May 15, 1926.*

The following communication, referred to this Office by the Secretary of Commerce, is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

[From Consul General William Coffin.]

BERLIN, GERMANY, *April 13, 1926.*

Copies of German patent specifications can be obtained from the "Patentschriften-Vertriebsstelle," 97/103 Gitschinerstrasse, Berlin SW. 61. The order must contain the number of the respective patent specification, the number of copies desired, and the customer's exact address. Orders which do not answer these requirements will be disregarded.

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(*b*) If the consecutive numbers issued under a specific class or group are furnished in the order they are published.

As a rule payment shall be made with the order, either by postal order or by transfer to the Federal Patent Office's checking account with the Reichsbank or its account (No. 20073) with the Brandenburgische Girozentrale at Berlin. Payment by stamps is not permitted.

Upon request the "Patentschriften-Vertriebsstelle" opens an account for persons in permanent need of copies of patent specifications. The lowest amount a person will be credited with is 20 Rm.

The above regulations are published in the "Blatt für Patent-, Muster & Zeichenwesen," p. 62.

Omission of Preamble from Printed Patents.

Beginning with the issue of May 11, 1926, the preamble or first paragraph of the specification of each patent, beginning with "To all whom it may concern" and ending with "of which the following is a specification," is omitted from the printed copies.

The date of filing of the earliest foreign application for the same invention and the name of the country in which it was filed is printed on the patent.

Foreign Applications—Data on Application File Wrapper.

(ORDER No. 2,960.)

U. S. PATENT OFFICE, *Washington, May 7, 1926.*

The Examiners are directed, on passing to issue any application in which an earlier foreign application, or applications, for the same invention has been filed, to enter at the bottom of the face of the file wrapper the earliest date of filing in any foreign country and the name of such country.

WM. A. KINNAN,
Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,491,405, A. W. Hull, Signal-receiving system, decided April 16, 1926, claims 10 and 11.

Pat. 1,555,842, C. G. Harris, Lifting jack, decided April 17, 1926, claims 1 and 2.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 107,543, Filters, water coolers, and refrigerators, Centadrink Filters Co. Inc., New York, N. Y. Registered December 7, 1915. Decided April 29, 1926.

T. M. 191,171, Textile goods in a piece, silk, artificial silk, cotton, wool, and mixtures thereof, Herbert B. Lederer Corp., New York, N. Y. Registered November 4, 1924. Decided April 12, 1926.

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Condition of Applications Under Examination at Close of Business May 21, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,701; Trade-Mark Division, 1,883. Oldest new case, Nov. 30, 1925; oldest amended, Nov. 23, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 8	Mar. 12	567
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 2	Feb. 3	560
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 23	Feb. 3	1,112
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 23	Mar. 22	706
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 29	Jan. 2	945
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 28	Jan. 21	1,259
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 1	Feb. 26	824
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 4	Mar. 1	1,057
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 18	Mar. 12	538
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 20	Feb. 20	949
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 27	Mar. 1	758
380	12. PIERCE, P. P., Machine Elements	Feb. 20	Feb. 18	627
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 8	Mar. 25	627
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 13	Feb. 10	870
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 10	Mar. 25	601
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 18	Feb. 13	917
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 4	Feb. 4	432
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 13	Jan. 16	788
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 18	Apr. 5	516
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 25	Feb. 24	749
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 20	Mar. 5	474
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 29	Feb. 2	631
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 16	Feb. 4	265
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 9	Mar. 9	515
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Feb. 9	Feb. 11	891
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 30	†Dec. 2	786
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 22	Mar. 22	307
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 13	Mar. 11	920
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 24	†Dec. 22	1,046
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 12	Mar. 1	640
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 18	Mar. 17	832
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 2	Mar. 8	549
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 15	Mar. 20	787
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Dec. 7	†Nov. 23	670
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Mar. 29	556
105	36. MORTON, O. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 3	Mar. 1	1,006
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 1	Feb. 6	1,060
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 20	Jan. 9	904
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 8	Feb. 10	464
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Feb. 23	Feb. 25	1,114
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 24	Feb. 17	448
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 25	Mar. 1	998
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 10	Mar. 1	783
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 2	†Dec. 17	1,026
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Feb. 25	Feb. 20	482
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 20	Feb. 12	745
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 25	Mar. 1	1,030
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Dec. 10	†Dec. 11	1,091
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 10	Mar. 20	521
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 2	Feb. 3	1,235
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 9	Jan. 14	1,775
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 20	Feb. 25	835
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 11	Mar. 17	732
102	DESIGNS: C. O. MARKHAM (Acting)	Apr. 28	May 6	381
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks / Labels and Prints	Apr. 15 / Apr. 26	May 8 / May 15	1,776 / 107

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

JAMES BROTHERS v. EDMISTON.

Decided July 2, 1925.

1. TRADE-MARKS—TEN-YEAR CLAUSE, ACT OF 1905—CANCELLATION—USE OF MARK BY THIRD PARTIES.

Where registration had been obtained under the ten-year clause of the act of 1905, evidence of use of the notation registered as a trade-mark during the ten years next preceding February 20, 1905, by third parties was properly admitted in a cancellation proceeding where the third parties were not those having any exclusive right, but merely a right in common with the right of the petitioners for cancellation.

2. SAME—SAME—REGISTRANT ESTOPPED TO ASSERT RIGHTS UNDER OTHER CLAUSES.

Where the registrant amended his application while it was pending to bring it under the ten-year clause and the Office granted registration under such clause, *Held* that he was estopped from asserting any right to registration under any other clause of the act.

APPEAL from Examiner of Interferences.

Application for cancellation No. 996 of trade-mark registration of John R. Edmiston issued August 21, 1923, No 172,016.

Messrs. Cushman, Bryant & Darby for James Brothers.

Mr. Charles R. Allen for Edmiston.

KINNAN, *First Assistant Commissioner:*

This case comes on for a review, on appeal of the registrant Edmiston, of the decision of the Examiner of Trade-Mark Interferences recommending the cancellation, under the provisions of section 13 of the Trade-Mark Act of February 20, 1905, of the registration of the mark "Salt Water Taffy" as applied to candy.

The registration, No. 172,016, issued August 21, 1923, was obtained under the ten-year clause of the above-noted act. The Examiner of Interferences found that the registrant had not had actual and exclusive use of the trade-mark for ten years preceding February 20, 1905, and also found that the registrant had not had trade-mark use of the mark at any time, and that at the date registration was applied for the notation had become public juris. The Examiner of Interferences also found that registrant's failure, for about 30 years, to assert any right to the notation as a trade-mark constituted such laches as would bar the registration at the date it was obtained.

[1] It it not thought necessary to review in detail the testimony presented in connection with this cancellation proceeding. It is sufficient to state that petitioners have fairly established that they used the notation in connection with the sale of the same goods prior to 1905. It is not clear that petitioners used the notation as a trade-mark; but the use was of a character similar to that alleged by registrant. The testimony is overwhelming that other parties used the notation upon taffy during the period of ten years immediately preceding February 20, 1905. While registrant has contended that the evidence of use by third parties cannot be admitted in a proceeding of this kind and cites in support of his contention *The Standard Brewery Company of Baltimore City* v. *Interboro Brewing Company, Inc.*, 222 O. G. 728; 44 App. D. C. 193, it must be noted that the instant case is distinguished from that adjudicated case in this, that in the latter the third party was shown to have an exclusive right to the mark, which right necessarily excluded the right of the petitioner. In the instant case the third parties are not those having any exclusive right, but merely a right in common with petitioners, thus bringing the present case within the holding of the court in the case of *McIlhenny's Son* v. *B. F. Trappey & Sons*, 299 O. G. 461; 51 App. D. C. 273, cited by the Examiner. It is believed in consequence the Examiner was right in admitting the evidence of use of third parties of the notation registered as a trade-mark.

[2] Appellant has urged that his registration, obtained under the ten-year clause, may still be maintained even if actual and exclusive use during the ten-year period immediately preceding February 20, 1905, is not established. It is believed, however, that the record is sufficient to establish that registrant deliberately sought registration, whether upon requirement of the Office or not, under the ten-year clause of the act, after having first applied for registration under the other conditions of this section of the act. This fact is believed to bring registrant's case within the doctrine of estoppel announced in the case of *The Joseph Lay Company* v. *Indianapolis Brush and Broom Manufacturing Co.*, 190 O. G. 269; 40 App. D. C. 36. In that case the court noted that the application, after being refused registration by the Patent Office officials, was amended to bring it under the ten-year clause. The court held that appellant was estopped to urge that the registration was other than under that clause. While, as above noted, the record does not disclose a refusal of registration under any other clause of the act, yet it is evident the Office granted registration under the ten-year clause and the registrant amended his application while it was pending to bring it under such clause. Under these circumstances appellant acquiesced or accepted the registration under such clause, and it is believed he is now estopped under the ruling of the Lay Company, above noted, from asserting any right to registration under any other clause of the act.

It is believed the evidence establishes that the notation "Salt Water Taffy" was used in a descriptive sense by many traders and dealers in this class of goods during the ten years immediately pre-

ceding the passage of the trade-mark act. Registrant has failed to sustain the burden of proof upon his showing the notation was used as a trade-mark or that the public, prior to 1905, interpreted or considered the notation as indicating ownership or origin of the goods. It seems quite well established that the public merely considered the notation descriptive of a grade of candy.

The decision of the Examiner of Trade-Mark Interferences is believed to be correct and is sustained.

It is directed that, unless this holding is reversed or modified on appeal, the registration No. 172,016, issued August 21, 1923, to John R. Edmiston, be cancelled.

Court of Appeals of the District of Columbia.

PETERSEN *v.* THOMAS.

No. 1,788. Decided January 4, 1926.

INTERFERENCE—REDUCTION TO PRACTICE—DILIGENCE—COMMERCIAL EXPLOITATION.

Efforts toward commercial exploitation of an invention not yet reduced to practice do not constitute diligence where an application for patent might have been filed.

APPEAL from Patent Office. Reversed.

Mr. V. H. Lockwood and *Mr. R. G. Lockwood* for Petersen.

Mr. E. W. Bradford for Thomas.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Patent Office in an interference proceeding awarding priority to the party Thomas. The invention is a manually-operated stoker for feeding fuel in successive and progressive stages. Although comparatively simple, it is practical and useful.

In his verified preliminary statement, Thomas says that he conceived the invention in March of 1917 and completely disclosed it in the following June; "that about the first of July, 1917, he sought to interest Mr. L. Leroy Close * * * in the invention with the idea of getting the invention manufactured and placed upon the market; that he had no means of his own sufficient to exploit the invention by its manufacture and sale"; that during the year 1918 he made further efforts "to obtain the assistance needed to begin the manufacture and sale of stokers" embodying his invention; that he made similar efforts in 1919 and finally, in June of 1921, succeeded in interesting the Auburn Foundry Corporation in the invention, and "the manufacture of the stoker was immediately taken up and by August 15 of that year one of the stokers was completed and installed."

The evidence for Mr. Thomas is in harmony with his preliminary statement and leaves no room for doubt that he made a complete disclosure of his invention in June of 1917; that his financial situation was such that at any time following he might have filed an application for patent thereon, and that his sole reason for delaying reduction to practice until August of 1921, a period of more than four years, was his inability commercially to exploit it through its manufacture and sale.

Petersen, whose financial resources were no better than, if as good as, those of Thomas, conceived the invention in December of 1920 and reduced to practice in February, following through the installation of a full-size operative machine. It thus appears that Petersen, in less than three months, accomplished as much as did Thomas in more than four years. The Examiner of Interferences and the Board of Examiners in Chief found Thomas lacking in diligence, while the [First] Assistant Commissioner was of the view that his efforts toward commercial exploitation constituted diligence.

The underlying theory of the patent law, as we many times have suggested, is that encouragement of inventors will inure to the benefit of the public. Obviously such benefit will not flow from mere conception of an invention. Such conception must be completed, that is reduced to practice, or there has been no gain to the public. For these reasons, he who first reduces to practice is prima facie the first inventor, but under the law the party first to conceive and disclose an invention may prevail, provided he couples his conception and reduction to practice through evidence of reasonable diligence, thus making the two, in substance and effect, a continuous act. *Christie* v. *Seybold*, 64 O. G. 1650; 55 Fed. 69.

The question here, therefore, is whether Thomas was diligent at the time Petersen entered the field. This court has uniformly held that efforts toward commercial exploitation of an invention not yet reduced to practice do not constitute diligence where, as here, an application for patent might have been filed. *Seeberger* v. *Dodge*, 114 O. G. 2382; 24 App. D. C. 476; *Laas* v. *Scott*, 122 O. G. 352; 26 App. D. C. 354; *Hawkins* v. *Ward*, 177 O. G. 242; 38 App. D. C. 90, and *Dutcher* v. *Jackson*, 225 O. G. 738; 44 App. D. C. 465. The patent law contemplates and demands activity toward actual completion of an invention rather than abortive attempts at commercial exploitation.

It follows that Thomas was lacking in diligence and that the award of priority should have been in favor of Petersen. The decision therefore is reversed.

Reversed.

ADJUDICATED PATENTS.

(D. C. N. Y. and C. C. A.) The Butler patent, No. 1,089,747, for sectional boiler, *Held* not infringed. *Surrell* v. *Pierce, Butler & Pierce Mfg. Corporation*, 11 F. (2d) 432 and 441.

(D. C. Pa.) The Dawson and Luellen patent, No. 1,244,431, for a system of mobile armament, claims 23, 28, 29, 30, 35, 37, and 42 *Held* not infringed. *Luellen* v. *Baldwin Locomotive Works*, 11 F. (2d) 390.

(D. C. N. Y.) The Hopkins patent, No. 1,271,527, for sound-regenerating machine, claims 29 and 30 *Held* valid and infringed. *Lektophone Corporation* v. *Sylo Lighting Fixture Co.*, 11 F. (2d) 421.

(D. C. N. Y.) The Hopkins patent, No. 1,271,529, for acoustic device, claims 1, 2, 3, 4, and 8 *Held* valid and infringed. *Lektophone Corporation* v. *Sylo Lighting Fixture Co.*, 11 F. (2d) 421.

(D. C. N. Y. and C. C. A.) The Surrell reissue patent, No. 14,002, for back-draft boiler, claims 1, 10, 21, 22, and 23 *Held* invalid. *Surrell* v. *Pierce, Butler & Pierce Mfg. Corporation*, 11 F. (2d) 432 and 441.

(D. C. N. Y. and C. C. A.) The Surrell reissue patent, No. 14,003, for sectional boiler, *Held* not infringed. *Surrell* v. *Pierce, Butler & Pierce Mfg. Corporation*, 11 F. (2d) 432 and 441.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

766,601, T. Danquard, Manually and mechanically operated piano, decree of district court affirmed Mar. 10, 1926, C. C. A. (7th Cir.), Doc. 3595-3597, *Starr Piano Co. et al.* v. *Auto Pneumatic Co.*

929,268, H. Allen, Car-door gear; 1,027,809, J. R. Bowling, Dump car; 973,788, F. S. Ingoldsby, Car; 1,027,849, 1,027,850, 1,046,191, 1,048,312, F. S. Ingoldsby, Dump car; 1,027,851, Ingoldsby & Bowling, same, decree of district court affirmed except as to claims 86 and 148 of Patent 1,046,191, and as to these claims the decree is reversed with direction to dismiss the counterclaim, Apr. 8, 1926, C. C. A. (7th Cir.), Doc. 3604-5, *Pressed Steel Car Co.* v. *Enterprise Railway Equipment Co.*

971,838, W. M. Fulton, Process of making tubular metal walls, appeal filed Apr. 8, 1926, C. C. A. (7th Cir.), Doc. 3748-3749, *The Fulton Co.* v. *Janesville Laboratories, Inc., et al.*

973,788. (See 929,268.)

979,496, H. R. Hughes, Roller-boring drill; 1,320,384, Godbold & Fletcher, Drill cutter; 1,480,014, F. L. Scott, Self-cleaning roller drill, suit filed Apr. 6, 1926, D. C., W. D. Okla., Doc. E 791, *Hughes Tool Co.* v. *Williams Iron Works et al.*

993,449, 1,026,397, F. S. Ingoldsby, Dump car; 999,791, same, Car; 1,026,785, J. R. Bowling, Dump car; 1,434,953, B. W. Kadel, Door mechanism for railway cars; Re. 15,360, W. F. Cremean, Railway car, decree holding claim 16 of Patent 993,449 not infringed, claims 13 and 15 of Patent 999,791 not infringed, claim 4 of 1,026,397 invalid and not infringed, claim 17 of 1,026,785 not infringed, claims 4, 5, 6, 7, 18, and 19 of Re. 15,360 not infringed, claims 2 and 3 of 1,434,953 not infringed; that plaintiff's bill and defendant's counterclaim be dismissed (notice dated Apr. 10, 1926), D. C., N. D. Ohio (W. Div.), Doc. E 349, *Enterprise Railway Equipment Co.* v. *Wine Railway Appliance Co.*

999,791. (See 993,449.)

1,026,397. (See 993,449.)

1,026,785. (See 993,449.)

1,027,809. (See 929,268.)

1,027,849. (See 929,268.)

1,027,850. (See 929,268.)

1,027,851. (See 929,268.)

1,046,191. (See 929,268.)

1,048,312. (See 929,268.)

1,054,219, J. H. Lehman, Electrical switch, appeal filed Sept. 19, 1925, C. C. A. (7th Cir.), Doc. 3657, *Ecco Mfg. Co.* v. *Nelson Timer Co. et al.* Decree of district court affirmed as to dismissal of bill and reversed as to counterclaim Mar. 10, 1926.

1,074,592, R. H. Anderson, Wall bed, interlocutory decree holding patent valid (notice dated Apr. 7, 1926), D. C., N. D. Calif. (San Francisco), Doc. E 1587, *V. L. Holmes et al.* v. *Rip Van Winkle Wall Bed Co.*

1,169,380, L. Cohen, Self-adjusting hat conformer and retainer; 1,564,829, same, Detachable hat pad, suit filed Apr. 8, 1926, D. C., S. D. N. Y., Doc. E 36/188, *L. Cohen et al.* v. *Pneumatic Bandeau Corp. et al.*

1,207,711, R. W. Clark, Changeable signboard, appeal filed Mar. 19, 1926, C. C. A. (7th Cir.), Doc. 3740, *R. W. Clark Mfg. Co.* v. *Tablet & Ticket Co.*

1,272,883, H. Andelman, Ham boiler, filed consent and order of discontinuance Apr. 13, 1926, D. C., S. D. N. Y., Doc. E 24/350, *Ham Boiler Corp.* v. *M. Brand & Sons, Inc.*

1,281,884, M. J. Trumble, Process for converting petroleum oils; 1,392,629, C. P. Dubbs, Process of converting hydrocarbons; 1,484,445, 1,543,832, 1,534,927, same, Method of treating hydrocarbons; 1,488,325, same, Method and apparatus for treating petroleum; 1,525,281, same, Method for treating petroleum; 1,546,634, 1,543,831, same, Apparatus for treating petroleum; 1,568,400, same, Apparatus for cracking hydrocarbon oils; 1,517,830, Egloff & Benner, Carbonaceous fuel, suit filed Jan. 28, 1926, D. C., N. D. Tex., Doc. E. 472, *Universal Oil Products Co.* v. *Gulf Refining Co.*

1,307,733, A. V. Gullborg, lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Feb. 15, 1926, D. C. Minn. (4th Div.), Doc. E 503, *The Bassick Mfg. Co.* v. *Plant Co.*

1,307,734. (See 1,307,733.)

1,320,384. (See 979,496.)

1,323,458, H. S. Dills, Artificial bait or lure; 1,391,670, same, Process of fish-bait manufacture, appeal filed Apr. 27, 1925, C. C. A. (7th Cir.), Doc. 3540, *J. Heddon's Sons, Inc.*, v. *South Bend Bait Co.* Decree reversing decree of district court with direction to sustain both patents Mar. 8, 1926.

1,353,197. (See 1,380,382.)

1,380,382, H. S. Holmes, Grinding compound (and 1,534,196, J. F. Werder, Abrasive compound; 1,353,197, same, Grinding compound, included by counterclaim Apr. 25, 1925), D. C., N. D. Ohio (E. Div.), Doc. 1379, *The Pep Mfg. Co., Inc.*, v. *The Zip Mfg. Co. et al.* Patent 1,380,382 held not

infringed as to claim 4, Patent 1,353,197 void for lack of novelty and invention, Patent 1,534,196 not infringed as to claims 7 and 8 if word "binder" is limited to a clay binder and invalid if not so limited. Bill and defendant's counterclaim dismissed. Defendant is nowise in privity with defendant in case of *Zip, Etc.*, v. *Pusch* in district court of Colorado re 1,353,197, and not estopped from defending charge of infringement, Apr. 8, 1926.

1,383,610. I. W. Doremus, Game, order dismissing cause under rule 57 Apr. 10, 1926, D. C., S. D. N. Y., Doc. E 27/9, *Doremus Schoen & Co., Inc.*, v. *A. Kahn et al.*

1,391,670. (See 1,323,458.)

1,392,629. (See 1,281,884.)

1,396,687, 1,396,688. E. A. Laughlin, Vehicle body bearing, bill dismissed as concerns use of Peerless side bearings, and as to 8,000 so called Burry side bearings purchased by P. & L. E. R. R. Co., Patent 1,396,687 held valid as to claims 13, 14, and 16 to 32, inclusive, Patent 1,396,688 held valid as to claims 29 to 31, inclusive, and 38 to 48, inclusive. Defendant has infringed by use of bearings other than the 8,000 before mentioned, Apr. 15, 1926, D. C., N. D. Ohio (E. Div.), Doc. 724, *E. A. Laughlin et al.* v. *The Pittsburgh & Lake Erie R. R. Co., and Burry Rwy. Supply Co.*

1,396,688. (See 1,396,687.)

1,418,238. (See 1,431,907.)

1,431,907, 1,418,238, S. S. Cramer, Pneumatic power generator, appeal filed Mar. 22, 1926, C. C. A. (7th Cir.), Doc. 3743, *S. Cramer et al* v. *Motor Player Corp.*

1,434,953. (See 993,449.)

1,447,534, C. C. Corbett, Pocket savings bank, consent decree sustaining patent and granting injunction Apr. 9, 1926, D. C., S. D. N. Y., Doc. E 30/37, *The A. R. Martine Co.* v. *D. H. Zell et al.*

1,456,373, J. Eisenmann, Building block and construction, suit filed Apr. 13, 1926, D. C., S. D. N. Y., Doc. E 36/210, *The Manell Bldg. Block & Tile Co.* v. *National Fire Proofing Co.*

1,480,014. (See 979,496.)

1,484,445. (See 1,281,884.)

1,488,325. (See 1,281,884.)

1,496,724, L. J. Mirsky, Reenforced hosiery, appeal filed Mar. 9, 1926, C. C. A. (7th Cir.), Doc. 3735, *L. J. Mirsky* v. *Holeproof Hosiery Co.*

1,502,559, P. J. Giblin, Footwear, appeal filed Mar. 13, 1926, C. C. A. (7th Cir.), Doc. 3736, *P. J. Giblin et al.* v. *Berlin Tanning & Mfg. Co.*

1,503,089, M. J. Callahan, Ventilating unit, Des. 54,059, same, Radiator, order dismissing complaint Apr. 13, 1926, D. C., S. D. N. Y., *M. J. Callahan* v. *J. J. Nesbitt et al.*

1,517,830. (See 1,281,884.)

1,525,281. (See 1,281,884.)

1,534,196. (See 1,380,382.)

1,534,927. (See 1,281,884.)

1,543,831. (See 1,281,884.)

1,543,832. (See 1,281,884.)

1,546,634. (See 1,281,884.)

1,564,829. (See 1,169,380.)

1,568,400. (See 1,281,884.)

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, decree finding trade-mark valid as to defendant only Apr. 8, 1926, D. C., N. D. Ohio (W. Div.), Doc. E 590, *The Coca Cola Co.* v. *G. J. Higgins.*

T. M. 47,189. (See T. M. 22,406.)

Re. 15,360. (See 993,449.)

Des. 54,059. (See 1,503,089.)

TRADE-MARKS CANCELED.

138,677. Greaseproof parchment paper. Mountain Mill Paper Company, Lee, Mass. Registered January 4, 1921. Canceled May 11, 1926.

140,787. Butter. Debow & Co., Newark, N. J. Registered March 29, 1921. Canceled May 11, 1926.

160,241. Negligee and work shirts and pyjamas. Charles Milich, New York, N. Y. Registered October 17, 1922. Canceled May 11, 1926.

171,661. Certain named woodworking machinery. American Woodworking Machinery Company, Rochester, N. Y. Registered August 7, 1923. Canceled April 19, 1926.

195,990. Flooring. Struble Hardwood Co., Oakland, Calif. Registered March 10, 1925. Canceled May 11, 1926.

198,848. Insecticides. McCormick & Co., Incorporated, Baltimore, Md. Registered May 26, 1925. Canceled May 11, 1926.

204,384. Men's, youths', and boys' outer garments. J. Schoeneman, Incorporated, Baltimore, Md. Registered October 13, 1925. Canceled May 11, 1926.

208,952. Storage batteries. Paul M. Marko, doing business as Marko Storage Battery Co., Brooklyn, N. Y. Registered February 9, 1926. Canceled May 11, 1926.

Interference Notices.

U. S. PATENT OFFICE, *Washington, May 11, 1926.*

Thomas J. Kennedy, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Carlton L. Hoff, c/o Hoff Metals Products Company, Grand Central Terminal, New York, N. Y., and patent granted May 20, 1924, No. 1,494,689, to Thomas J. Kennedy, c/o General Delivery, San Bernardino, Calif., and a notice of such declaration sent by registered mail to said Thomas J. Kennedy at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Thomas J. Kennedy, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, May 3, 1926.*

Yasutaro Katsumoto, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Svend E. Johannesen, c/o General Electric Co., Pittsfield, Mass., and patent granted June 16, 1925, No. 1,542,144, to Yasutaro Katsumoto, No. 36, Torishima-cho, Mishi-ku, Osaka, Japan, and a notice of such declaration sent by registered mail to said Katsumoto at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Katsumoto, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

M. J. MOORE, *Assistant Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 1, 1926.

[VOL. 347. NO. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 169,822. (CLASS 39. CLOTHING.) DAVID L. PRANSKY, Philadelphia, Pa. Filed Sept. 22, 1922.

No claim is made herein to the expression "Hard-to-Tear" apart from the mark shown in the drawing, the applicant reserving, however, his rights thereto under the common law.

Particular description of goods.—Hosiery; Dress, Negligee, and Work Shirts; Knitted and Textile Underwear for Men, Women, and Children; Overalls; and Leather, Rubber, and Fabric Gloves.

Claims use since July 1, 1922, and the portion comprising the words "Hard to Tear" since about Apr. 14, 1921.

Ser. No. 183,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED KASPER, doing business as Quieta Werke A. Kasper, Liepzig, Germany. Filed July 23, 1923.

Quieta

"Quieta."

Particular description of goods.—Coffee, Coffee Substitutes, Coffee Mixtures; Malt, Rye, and Barley Coffee; Tea, and Cocoa.

Claims use since about October, 1917.

Ser. No. 186,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 2, 1923.

SOVEREIGN

Particular description of goods.—Canned Fruits, Canned Vegetables, and Dried Fruits.

Claims use since 1903.

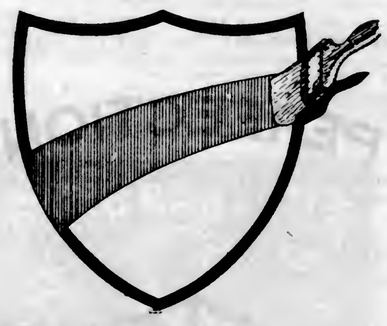
Ser. No. 187,609. (CLASS 37. PAPER AND STATIONERY.) LOUIS F. DOW COMPANY, St. Paul, Minn. Filed Oct. 29, 1923.

NIFTY-FIFTY

Particular description of goods.—Automatic Pencils.

Claims use since on or about Aug. 1, 1923.

Ser. No. 190,646. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MISSOURI PAINT & VARNISH CO., St. Louis, Mo. Filed Jan. 10, 1924.



The lining expresses the color red.

Particular description of goods.—Shingle Stain, Barn Paint, Roof Paint, Metallic Paint, House Paint, Stack and Boiler Paint, Creosote Stains, Varnishes, Wood Filler, Graphite Paint, Asphalt Paint, Barrel Paint, Special Black Paint, and Waterproofing Paints.

Claims use since Mar. 1, 1910.

Ser. No. 200,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAUSER PACKING COMPANY, Los Angeles, Calif. Filed July 19, 1924.

Angelus

Particular description of goods.—Pure Leaf Lard, Ham, and Bacon.

Claims use since Dec. 19, 1914.

Ser. No. 201,133. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 8, 1924.

CHEVROLET

Particular description of goods.—Automobiles.
Claims use since July 22, 1913.

Ser. No. 201,162. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TOOHEY SILK MILLS, INCORPORATED, New York, N. Y. Filed Aug. 8, 1924.

Superweave

Particular description of goods.—Lining Silk Piece Goods.
Claims use since about Apr. 1, 1923.

Ser. No. 201,876. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDWIN E. BERLINER & CO., New York, N. Y. Filed Aug. 26, 1924.

Charm Voile

No claim is made to the word "Voile" apart from the mark shown.
Particular description of goods.—Cotton Dress Goods in the Piece.
Claims use since Aug. 1, 1921.

Ser. No. 204,046. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PERFECTION HEATER AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 17, 1924.

PERFECTION

Particular description of goods.—Motor-Car Heaters.
Claims use since June, 1915.

Ser. No. 204,686. (CLASS 37. PAPER AND STATIONERY.) W. M. B. WADLEY, Chicago, Ill. Filed Oct. 31, 1924.

No claim is made to the words "This sign means best quality" apart from the mark as shown.
Particular description of goods.—Sheets Used in Connection With Loose-Leaf Systems.
Claims use since May 29, 1924.

Ser. No. 206,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GOLD UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Dec. 12, 1924.

Fracastan

Particular description of goods—Ampuls Used for Injection Against Frambœsia, Chagas, Dourine, Ngana, Scrofula, Syphilis, Phlegmonia, Psoriasis, Roborans, Carcinoma, Septic Maladies, and as a Disinfectant.
Claims use since Jan. 7, 1924.

Ser. No. 206,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GOLD UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Dec. 12, 1924.

Dronamin

Particular description of goods—Ampuls Used for Injection Against Frambœsia, Chagas, Dourine, Ngana, Scrofula, Syphilis, Phlegmonia, Psoriasis, Roborans, Carcinoma, Septic Maladies, and as a Disinfectant.
Claims use since Oct. 1, 1923.

Ser. No. 208,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MESSING BREAD COMPANY, INCORPORATED, assignor to Messing Bakeries, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 30, 1925.

STANDARD OF QUALITY
MESSING
BREAD

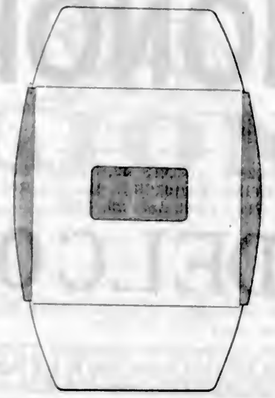
No claim is made to the words "Standard of Quality" and "Bread" apart from their use with the mark as shown.
Particular description of goods.—Whole-Wheat Bread and All Other Kinds of Bread.
Claims use since Aug 11, 1924.

Ser. No. 208,845. (CLASS 37. PAPER AND STATIONERY.) DANIELS MANUFACTURING COMPANY, Rhinelander, Wis. Filed Jan. 30, 1925.

Liberty

The lining on the drawing is for the purpose of shading only.
Particular description of goods.—Paper.
Claims use since Mar. 1, 1918.

Ser. No. 209,400. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 11, 1925.



The mark consists of a small red rectangle disposed at the center of the goods and a narrow red stripe or band bordering the lateral edges thereof, as indicated by the line shading in the drawing, which denotes the color red. The representation of a conventional tire blow-out patch is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Blow-Out Patches for Pneumatic Vehicle Tires, Said Blow-Out Patches Being Composed Wholly of Rubber or of Rubber and Fabric.
Claims use since July 1, 1923.

Ser. No. 209,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GALVANONI & FEBBRARO CO. INC., New York, N. Y. Filed Feb. 19, 1925.

BEL PAESE

Particular description of goods.—Cheese.
Claims use since about Feb. 10, 1922.

Ser. No. 210,263. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN R. ANDERSON, doing business as Anderson Pattern Works, Moline, Ill. Filed Feb. 28, 1925.

VIGO-RO

Particular description of goods.—Exercising Machines.
Claims use since Dec. 1, 1924.

Ser. No. 211,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARTMANN FOOD PRODUCT CO., INC., New York, N. Y. Filed Mar. 17, 1925.

Macropan

Particular description of goods.—Imitation Macaroon.
Claims use since Dec. 1, 1924.

Ser. No. 211,281. (CLASS 39. CLOTHING.) MARKOVITZ BROTHERS, Philadelphia, Pa. Filed Mar. 19, 1925.

MB
PHILMONT

Particular description of goods.—Men's Outer Shirts—Namely, Dress, Work, and Negligee Shirts; and Underwear of Textile Fabric, Including Cotton, Silk, and Wool.
Claims use since July 1, 1924, on underwear; since Jan. 2, 1910, on shirts.

Ser. No. 211,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD GROWERS EXCHANGE, Orlando, Fla. Filed Mar. 26, 1925.

The solid circle and the central portion of the outer border are dark blue. The double-pointed arrow and the triangle in each corner are red. No claim is made to the words "Turn on the Juice, Brand, 1⅗ Bushels Net Contents, Standard Growers Exchange," and the representation of the fruit apart from the mark shown in the drawing. The picture of the baby is fanciful.
Particular description of goods.—Fresh Oranges and Grapefruit.
Claims use since September, 1914.

Ser. No. 211,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD GROWERS EXCHANGE, Orlando, Fla. Filed Mar. 26, 1925.

No claim is made to the registration of the words "Turn on the Juice, Brand, Standard Grower's Exchange" and the representation of the fruit apart from the mark shown. The colors shown are as follows: "Oh Boy" are dark blue with yellow background; the border is light blue; the diamond figure is red; the ball is orange having a circular dark-blue band around it with the adjacent portions dark blue. The representation of the boy holding the fruit is fanciful.

Particular description of goods.—Fresh Oranges and Grapefruit.

Claims use since September, 1918.

Ser. No. 212,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERRY MILK PRODUCTS COMPANY, Perry, Iowa. Filed Apr. 6, 1925.

PEMICO

Particular description of goods.—Condensed Milk.
Claims use since Jan. 1, 1925.

Ser. No. 212,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) REPUBLIC KNITTING MILLS, INC., Brooklyn, N. Y. Filed Apr. 10, 1925.

RepashaKloth

The word "Kloth" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Knitted Cloth of Silk, Artificial Silk, Cotton, Wool, and Mixtures and Combinations of the Same.

Claims use since Feb. 3, 1925.

Ser. No. 213,161. (CLASS 15. OILS AND GREASES.) CLAYTON OIL & REFINING COMPANY, Dallas, Tex. Filed Apr. 23, 1925.

NONOK

Particular description of goods.—Gasoline.
Claims use since Apr. 6, 1925.

Ser. No. 213,280. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELTOX RUG COMPANY, Oshkosh, Wis. Filed Apr. 25, 1925.

DELCO

Particular description of goods.—Grass Rugs.
Claims use since Apr. 17, 1925.

Ser. No. 213,362. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE CENTRAL STATES COAL COMPANY, Toledo, Ohio. Filed Apr. 27, 1925.

The exclusive use of the words "Kentucky," "It's," and "Hot" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.
Claims use since 1920.

Ser. No. 213,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HILLS BROTHERS COMPANY, New York, N. Y. Filed May 1, 1925.

EAGLE BRAND

Exclusive use of the word "Brand" is disclaimed.

Particular description of goods.—Nuts in Their Natural State—Namely, Walnuts, Almonds, Filberts, Brazils, and Mixtures Thereof.

Claims use since Oct. 20, 1904.

Ser. No. 213,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HILLS BROTHERS COMPANY, New York, N. Y. Filed May 1, 1925.

LION

Particular description of goods.—Dates.
Claims use since Oct. 20, 1902.

Ser. No. 215,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga. Filed June 8, 1925.

PLEE-ZING

Particular description of goods.—Drugs and Pharmaceutical Products—Namely, Lye, Castor Oil, Sulphate of Quinine, Petroleum Jelly, Egg Preserver, and Salt.
Claims use since February, 1925.

Ser. No. 215,666. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL WRITOR CO., Minneapolis, Minn. Filed June 11, 1925.

UNIVERSAL WRITOR

Particular description of goods.—Pens and Pencils to Prevent Finger Movement.
Claims use since on or about May 10, 1925.

Ser. No. 215,885. (CLASS 12. CONSTRUCTION MATERIALS.) VULCAN ASPHALT AND SUPPLY COMPANY LIMITED, Toronto, Ontario, Canada. Filed June 16, 1925.

Duralithic

Particular description of goods.—Monolithic Floors Formed Wholly or Partly of Asphaltic Material.
Claims use since May 1, 1923.

Ser. No. 216,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORT SMITH CEREAL CO., Fort Smith, Ark. Filed June 25, 1925.

DIXIE MAID

Particular description of goods.—Pancake Flour.
Claims use since June 30, 1923.

Ser. No. 216,453. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONTICELLO DAIRY, Coney Island, N. Y. Filed June 26, 1925.

Monticello

Particular description of goods.—Butter.
Claims use since January, 1918.

Ser. No. 217,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH J. CARDILLO, Providence, R. I. Filed July 15, 1925.

No claim is made for the exclusive use of the words "Hair Restorer" or the words "None Genuine Without This Signature." The name "J. J. Cardillo" appearing in the drawing, is a facsimile of the signature of the applicant.

Particular description of goods.—Remedy to Promote the Growth of Hair.

Claims use since June 21, 1924.

Ser. No. 217,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. A. HARAM & CO. INC., New York, N. Y. Filed July 23, 1925.

The word "Brand" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Bread.

Claims use since Dec. 15, 1924.

Ser. No. 217,886. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON-EARL-MEYERS COMPANY, Pittsburgh, Pa. Filed July 25, 1925.

EXPERT

Particular description of goods.—Canned Fruits—Namely, Apples, Apricots, Blackberries, Blueberries, Royal Anne Cherries, Red Pitted Sour Cherries, Maraschino Cherries, Grapefruit, Grapes, Loganberries, Peaches, Pineapple, Prunes, Plums, Pears, Raspberries, Strawberries, Canned Apple Sauce, Canned Apple Butter, Canned Fruit Salad, Jelly, Fruit Preserves, Canned Pumpkin, Canned Figs, Canned Cranberry Sauce; Canned Vegetables—Namely, Asparagus, Baked Beans, Red Kidney Beans, Lima Beans, Green Stringless Beans, Wax Stringless Beans, Beets, Carrots, Golden Bantam Corn, Fancy Crosby Corn, Hominy, Sauer Krant, Okra, Squash, Peas, Sweet Potatoes, Rhubarb, Succotash, Spinach, Tomato Purée, Tomatoes, Turnips, Mixed Vegetables for Soup; Canned Fish—Namely, Salmon, Tunny Fish, Lobster, Shrimp; Mincemeat, Catchup, Pickles, Canned Soups, Spaghetti, Evaporated Milk, and Tea.

Claims use since January, 1922.

Ser. No. 218,204. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY RHOADS, doing business as Bill Weeder Co., Sidney, Ohio. Filed July 31, 1925.

"BILL WEEDER"

Gets Them—Root and All

No claim is made to the words "Gets them—Root and All" and "Weeder."

Particular description of goods.—Hand Tool Utilized as a Weed Puller.

Claims use since July 1, 1923.

Ser. No. 218,794. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAROLINA BAKING COMPANY, Charlotte, N. C. Filed Aug. 13, 1925.

Southern Bread

Made to suit the Southern Housewife

No claim is made to the word "Bread" apart from the other features of the mark shown.

Particular description of goods.—Bread.

Claims use since on or about June 6, 1925.

Ser. No. 218,943. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN ENVELOPE & PRINTING COMPANY, Philadelphia, Pa. Filed Aug. 17, 1925.

"Engravene"

Particular description of goods.—Wedding Invitations, Wedding Announcements, At-Home Cards, Professional and Business Announcements, Cards of Introduction, and Reception Cards, also Completely-Printed Booklets.

Claims use since Apr. 1, 1925.

Ser. No. 218,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROST KIST ICE CREAM CO., Los Angeles, Calif. Filed Aug. 17, 1925.

FROST-KIST

Particular description of goods.—Ice Creams and Ice-Cream Confection.

Claims use since Apr. 1, 1925.

Ser. No. 220,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POPPER GRAY & CO., INC., New York, N. Y. Filed Sept. 16, 1925.

The words "Brand," "Extra Quality," and "Imported Roquefort" also the words "Popper, Gray & Co. Inc., N. Y. City" are disclaimed.

Particular description of goods.—Roquefort Cheese.

Claims use since Jan. 1, 1900.

Ser. No. 220,377. (CLASS 37. PAPER AND STATIONERY.) SWARTWOOD-NELSON PAPER CO., Minneapolis, Minn. Filed Sept. 17, 1925.

Ten Thousand Lakes

Particular description of goods.—Bond Paper.

Claims use since May 1, 1925.

Ser. No. 220,766. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) DOULTON & CO. LIMITED, Lambeth, London, England. Filed Sept. 25, 1925.

ROYAL
Doulton
LONDON

The words "Doulton" and "London" are disclaimed apart from the mark as used.

Particular description of goods.—Pottery, Earthenware, and China.

Claims use since Dec. 3, 1921.

Ser. No. 220,780. (CLASS 7. CORDAGE.) RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif. Filed Sept. 25, 1925.

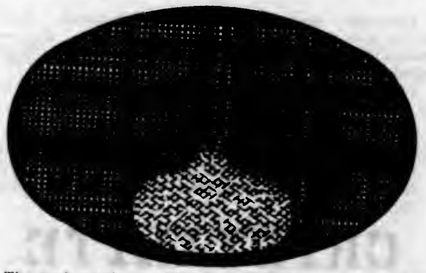
HY-GRADE
DEPENDABLE STRENGTH
H

Exclusive right to the use of the words "Hy-Grade Dependable Strength" is disclaimed apart from the mark as shown.

Particular description of goods.—Twine.

Claims use since Jan. 2, 1925.

Ser. No. 221,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LOCRAY COMPANY, Grand Rapids, Mich. Filed Oct. 7, 1925.



The trade-mark consists of a label having a black background and characters printed thereon in orange, the label being elliptical in form with an orange-colored border.

Particular description of goods.—Bath Crystals.

Claims use since Aug. 1, 1925.

Ser. No. 221,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS STRAIN JR., doing business as National Fruit Exchange, Fresno, Calif. Filed Oct. 7, 1925.

NATIONAL

Particular description of goods.—Fresh Deciduous Fruits, Fresh Grapes, Cantaloupes, and Fresh Lettuce.

Claims use since 1918.

Ser. No. 221,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREEFOOT BROTHERS & COMPANY, Meridian, Miss. Filed Oct. 17, 1925.

No claim is made for the words "Angel Cake" apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour.

Claims use since 1905.

Ser. No. 222,042. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WALTER M. MURPHY MOTORS COMPANY, doing business as Walter M. Murphy Company—Coach Builders, Los Angeles and Pasadena, Calif. Filed Oct. 20, 1925.

All wording on the drawing is disclaimed.

Particular description of goods.—Automobile Coaches and Bodies and Steam-Car Coaches and Bodies.

Claims use since on or about Sept. 21, 1925.

Ser. No. 222,764. (CLASS 5. ADHESIVES.) ROYAL GLUE COMPANY, Washington, D. C. Filed Nov. 3, 1925.

ROYAL

Particular description of goods.—Glues and Adhesive Cement.

Claims use since about November, 1882.

Ser. No. 222,952. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed Nov. 6, 1925.

PARADISE

Particular description of goods.—Bakery Goods Described as Crackers.
Claims use since on or about Oct. 1, 1924.

Ser. No. 222,958. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed Nov. 6, 1925.

MALTED MILK TASTIES

No claim is made to the words "Malted Milk" except as part of the mark shown.
Particular description of goods.—Bakery Goods Described as Cookies, Cakes, and Wafers.
Claims use since about Feb. 8, 1924.

Ser. No. 222,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed Nov. 6, 1925.

PURE MILK-CHOCOLATE TASTIES

No claim is made to the words "Pure Milk Chocolate" apart from the mark as shown in the drawing.
Particular description of goods.—Bakery Goods Described as Cookies, Cakes, and Wafers.
Claims use since about Apr. 1, 1925.

Ser. No. 222,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALPINA KAESE A. G. (Alpina Cheese Co.), Burgdorf, Switzerland. Filed Nov. 7, 1925.

CHALET-KAESE
FROMAGE CHALET
CHALET-CHEESE

The words "Kaese," "Fromage," and "Cheese" are disclaimed apart from the mark as shown.
Particular description of goods.—Cheese and Preserve Cheese.
Claims use since September, 1925.

Ser. No. 223,009. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Nov. 7, 1925.

NEW ERA

Particular description of goods.—Leather Polish.
Claims use since Jan. 3, 1902.

Ser. No. 223,230. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GULF & WEST INDIES CO., INC., New York, N. Y. Filed Nov. 13, 1925.

No claim is made to the wording appearing on the drawing with the exception of the word "Fisherman." The representation of the goods is disclaimed also.
Particular description of goods.—Sponges.
Claims use since Sept. 15, 1925.

Ser. No. 223,847. (CLASS 39. CLOTHING.) KENILWORTH MANUFACTURING CO. INC., New York, N. Y. Filed Nov. 25, 1925.

ZIP - KNICK

Particular description of goods.—Wearing Apparel for Men, Women, and Children—Namely, Knickers, Gymnasium Trunks, Bathing Trunks, and Hiking Trunks.
Claims use since Nov. 17, 1925.

Ser. No. 224,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROHM & HAAS CO., INC., Philadelphia, Pa. Filed Dec. 15, 1925.

HEXOL

Particular description of goods.—Synthetic Resins Which Are Synthetic Organic Products of a Resinous Nature Possessing Incidently a Solvent Action on Nitrocellulose.
Claims use since on or about Sept. 22, 1925.

Ser. No. 224,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROHM & HAAS CO., INC., Philadelphia, Pa. Filed Dec. 15, 1925.

CRYSTALITE

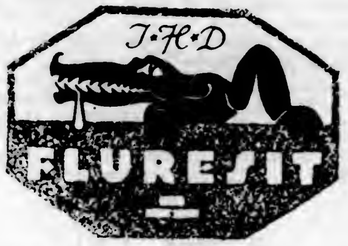
Particular description of goods.—Synthetic Resins per se or in Solution or in Mixtures for Filling Materials.
Claims use since about June 2, 1925.

Ser. No. 224,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROWNTREE AND COMPANY, LIMITED, York, England. Filed Dec. 15, 1925.

Chu- frus

Particular description of goods.—Candy.
Claims use since November, 1923.

Ser. No. 224,812. (CLASS 12. CONSTRUCTION MATERIALS.) JOHANN HEINRICH DITTER, Hanau, Germany. Filed Dec. 17, 1925.



Particular description of goods.—Substance for Rendering Mortar and Mortar-Forming Materials Waterproof.
Claims use since May 14, 1920.

Ser. No. 224,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEAIGORO ONO, Los Angeles, Calif. Filed Dec. 19, 1925.

No claim is made to the words "Corn Water" apart from the mark shown.
Particular description of goods.—Solution for the Treatment of Corns and Calli.
Claims use since Oct. 30, 1925.

Ser. No. 224,984. (CLASS 12. CONSTRUCTION MATERIALS.) MORRILL & STURGEON LUMBER COMPANY, Portland, Oreg. Filed Dec. 21, 1925.

TRADE
MORSTURG
MARK
REG.

The words "Trade-Mark Reg." are disclaimed apart from the mark shown.
Particular description of goods.—Doors, Veneers, Panels, Plywood, Lumber, and Wooden Shingles.
Claims use since July 1, 1925.

Ser. No. 225,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. ANDERSON, doing business as Billy's Grape Nectar Company, Enid, Okla. Filed Dec. 22, 1925.

Billy's

Particular description of goods.—Jellies and Ice Cream.
Claims use since Feb. 1, 1916.

Ser. No. 225,064. (CLASS 37. PAPER AND STATIONERY.) J. S. STAEDTLER, INC., New York, N. Y. Filed Dec. 23, 1925.

TRIBUNE

Particular description of goods.—Lead Pencils.
Claims use since May, 1922.

Ser. No. 225,069. (CLASS 7. CORDAGE.) WIRE ROPE MANUFACTURING & EQUIPMENT COMPANY, Seattle, Wash. Filed Dec. 23, 1925.

"The Double Blue Line"

Particular description of goods.—Wire Rope.
Claims use since Nov. 15, 1925.

Ser. No. 225,169. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROBERT WILLIAM BUETTNER, Winnipeg, Manitoba, Canada. Filed Dec. 26, 1925.

LEXO
TRADE MARK

No claim is made to the words "Trade-Mark."
Particular description of goods.—Furniture and Piano Polish and Automobile Polish.
Claims use since Apr. 29, 1922.

Ser. No. 225,216. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Dec. 28, 1925.

ACITRINA NUEVA

Particular description of goods.—Antiarthriticum.
Claims use since Sept. 1, 1925.

Ser. No. 225,267. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LISK MANUF'G CO., LIMITED, Canandaigua, N. Y. Filed Dec. 29, 1925. Under 10-year proviso.

LISK

Particular description of goods.—Culinary, Household, and Dairy Utensils Made of Enameled Steel and Other Metal—Namely, Coffeepots, Double Boilers, Combinets, Teakettles, Stock Pots, Roasters, Washbasins, Dippers, Saucepans, Preserving Kettles, Cereal Cookers, Cake Pans, Rice Boilers, Potpie Pans, Bowls, Pudding Pans, Dishpans, Bread Raisers, Cups, Cups and Saucers, Teapots, Percolators, Pie Plates, Water Pitchers and Bowls, Milk Kettles, Soap Dishes, Funnels, Dripping Pans, Ladles, Frying Pans, Cuspidors, Potato Cookers, Vegetable Dishes, Steamers, Bathtubs and Foot Tubs, Colanders and Strainers, Toilet Jars, Sink Strainers, Canning Boilers and Racks, Milk Strainers, Bread Pans, Roofing Caps, and Commodes.
Claims use since about July 1, 1892.

Ser. No. 225,268. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LISK MANUF'G CO., LIMITED, Canandaigua, N. Y. Filed Dec. 29, 1925. Under 10-year proviso.

LISK

Particular description of goods.—Bedpans, Urinals, Basins, and Irrigators.
Claims use since July 1, 1892.

Ser. No. 225,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTONIO PARDO, Philadelphia, Pa. Filed Dec. 29, 1925.

"BRILLIANT"

Particular description of goods.—Paprika.
Claims use since July 15, 1924.

Ser. No. 225,373. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NAAMLOOZE VENNOOTSCHAP MAATSCHAPPIJ TOT VOORTZETTING DER ZAKEN VAN DE MAATSCHAPPIJ "PHYTOBIE" INTERNATIONALE MAATSCHAPPIJ TOT VERDELGING VAN DIERLIJKE EN PLANTAARDIGE PARASIETEN, The Hague, Netherlands. Filed Dec. 31, 1925.

VERMEX.

Particular description of goods.—Insecticides and a Combined Hair Grower and Tonic, Mange Cure, and Composition for Destroying Vermin on Domestic Animals.
Claims use since March, 1920.

Ser. No. 225,418. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) GREELEY SQUARE HOTEL COMPANY, New York, N. Y. Filed Jan. 2, 1926.

Particular description of goods.—Smokers' Articles, as Pipes, Cigarette Holders, Cigar Holders, Humidors, Tobacco Pouches, Tobacco Jars, and Ash Trays.
Claims use since Nov. 14, 1925.

Ser. No. 225,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. C. BAXTER & BROTHER, Brunswick, Me. Filed Jan. 5, 1926.

PURITAN
BRAND

The word "Brand" is disclaimed apart from the other features of the mark shown.
Particular description of goods.—Canned Vegetables, Particularly Canned Peas, Canned String and Stringless Beans, Corn, Succotash, and Lima Beans.
Claims use since Dec. 15, 1888.

Ser. No. 225,506. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COYKENDALL, INC., Berkeley, Calif. Filed Jan. 5, 1926.

-RAPTITE IS RAPTRITE-

Particular description of goods.—Dried Fruits.
Claims use since Sept. 1, 1925.

Ser. No. 225,632. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ANDRÉ WISNER, Clichy, France. Filed Jan. 7, 1926.

SILVER CLEAN GOLF

The word "Clean" is hereby disclaimed apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since August, 1924.

Ser. No. 225,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN FINKELSTEIN, doing business as The Finco Pharmacal Company, Philadelphia, Pa. Filed Jan. 8, 1926.

Particular description of goods.—Cough Sirup.
Claims use since Feb. 5, 1925.

Ser. No. 225,746. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LOUIS SILBERMAN & SONS, Philadelphia, Pa. Filed Jan. 9, 1926.

The words "Scoured Oak" are hereby disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Finished Sole Leather.
Claims use since January, 1924.

Ser. No. 225,759. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEARD LABORATORIES, INC., Fort Smith, Ark. Filed Jan. 11, 1926.

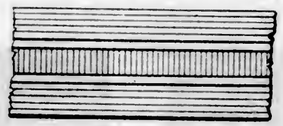
The picture shown is a portrait of an infant child of John B. Griffin, the principal stockholder in the corporation.
Particular description of goods.—Compound for Treating Diarrhea, Summer Complaint, Cholera Infantum, and All Stomach and Bowel Troubles of Teething Children.
Claims use since 1910.

Ser. No. 225,825. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES DOHRN DOUGLAS, London, England. Filed Jan. 12, 1926.

"ANTISKEET"

Particular description of goods.—Insect-Repelling Preparations (Medicated) for Personal Use.
Claims use since June 18, 1925.

Ser. No. 225,841. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK YACHT CLUB, New York, N. Y. Filed Jan. 12, 1926.



The lining on the drawing indicates the colors blue, red, and white. The trade-mark consists of the particular design shown in the drawing, consisting of an arrangement of adjacent parallel stripes arranged in order from one edge to the other, as follows: first, a relatively broad stripe; second, a relatively narrow contrasting stripe; third, a relatively broad contrasting stripe; fourth, a relatively narrow stripe substantially identical with said second stripe; fifth, a relatively broad stripe substantially identical with said first stripe, and having said stripes colored as follows: said first stripe and said fifth stripe blue, said second stripe and said fourth stripe white, and said third stripe red.
Particular description of goods.—Hatbands.
Claims use since on or before May 15, 1905.

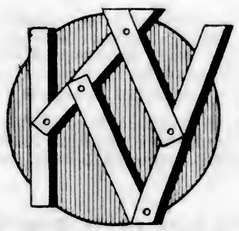
Ser. No. 225,854. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE ZONOLITE COMPANY, Libby, Mont. Filed Jan. 12, 1926.

ZONOLITE

Particular description of goods.—Natural Mineral Substance Having Insulating, Decorative, and Acid-Resisting Properties and Which may be Used Alone or in Combination with Other Elements, as Above Stated, and Probably for Many Other Purposes Which are Unknown at This Time.

Claims use since May 9, 1923.

Ser. No. 225,928. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CHARLES L. KENNEDY, doing business as Kennedy Brace Company, Columbia, S. C. Filed Jan. 14, 1926.

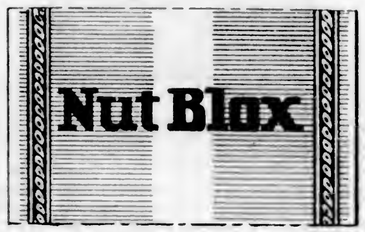


The drawing is lined to denote red.

Particular description of goods.—Automobile Fender Braces.

Claims use since June 1, 1925.

Ser. No. 225,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE CANDY COMPANY, St. Joseph, Mo. Filed Jan. 16, 1926.



No claim is made to the lining, which indicates the color blue, nor to the word "Nut" apart from the mark as shown. The drawing is lined for shading.

Particular description of goods.—Candy.

Claims use since May 14, 1925.

Ser. No. 226,145. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HUBBARD PRODUCTS COMPANY, Kokomo, Ind. Filed Jan. 20, 1926.

Vent-Eaves

Exclusive right to the word "Eaves" is disclaimed apart from the mark shown.

Particular description of goods.—Vehicle Ventilators.

Claims use since Apr. 9, 1925.

Ser. No. 226,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SYLMAR PACKING CORPORATION, Los Angeles, Calif. Filed Jan. 20, 1926.

SYLMAR

Particular description of goods.—Pimentos, Pimento Cups, Canned and Bottled Figs, Canned and Bottled Ripe Olives, Olive Oil, Stuffed Olives, Preserved Figs, Spiced Figs, Fig Jam, Pickled Watermelon Rind, and Watermelon-Rind Preserves.

Claims use since 1901.

Ser. No. 226,177. (CLASS 2. RECEPTACLES.) TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y. Filed Jan. 20, 1926.

NAMELLE

Particular description of goods.—Powder-Puff Jars, Hair-Receiver Jars, Salve Jars, Cream Jars, Jewel Boxes, Trays, and Perfume Bottles.

Claims use since on or about Jan. 1, 1925.

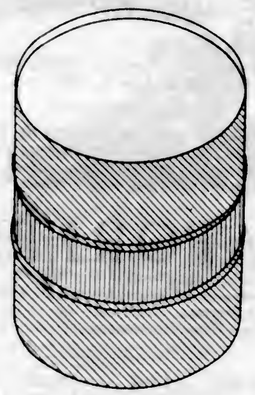
Ser. No. 226,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXSUN PACKING CO., Brownsville, Tex. Filed Jan. 22, 1926.

No claim is made to the exclusive use of the descriptive words "Grapefruit" and "Oranges" apart from the mark as shown in the drawing. No claim is made to the pictorial representation of the bunch of fruit apart from the mark as shown in the drawing.

Particular description of goods.—Fresh Grapefruit and Oranges.

Claims use since Nov. 20, 1925.

Ser. No. 226,439. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed Jan. 26, 1926.



No claim is made to the exclusive use of the representation of an oil drum or tank apart from the mark as shown in the drawing. The mark consists of an oil drum, tank, or barrel having a green body, a red center strip, and white heads or ends.

Particular description of goods.—Petroleum Products—Namely, Lubricating Oils.

Claims use since Mar. 1, 1925.

Ser. No. 226,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSUARY FRANKLIN COSTELOW, Guthrie, Okla. Filed Jan. 27, 1926.

A. F. COSTELOW'S
WORLD SUPERIOR LINIMENT

The words "Superior Liniment" are disclaimed apart from the mark as shown in the drawing. The portrait appearing in drawing is that of applicant.

Particular description of goods.—Liniment for the Treatment of Rheumatism, Toothache, Headache, Sore Throat, Lame Back, Stiff Joints, Pain in Back or Any Part of Body, also Reduces Swellings, Sprains, Burns, Frostbites, and Stings of Insects.

Claims use since May 15, 1925.

Ser. No. 226,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSCAR GUDIS, New York, N. Y. Filed Jan. 27, 1926.

Particular description of goods.—Russian White Mineral Oil, a Lubricant for Constipation; Cold and Grippe Tablets for Breaking up Colds; Milk of Magnesia Tooth Paste, a Dentifrice; Balsam, a Sirup for Throat Irritation and Bronchial Coughs; Tonic Vigoral, a Nerve Builder and Blood Purifier; Gudlax, a Vegetable Laxative for Constipation.

Claims use since Jan. 1, 1924.

Ser. No. 226,536. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAUST BROS. INC., Brooklyn, N. Y. Filed Jan. 28, 1926.

PRESTO

"Presto."

Particular description of goods.—Metal Polish.

Claims use since July 9, 1925.

Ser. No. 226,588. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HASKELL SILK CO., Westbrook, Me. Filed Jan. 29, 1926.

SATIN THEODOR

The word "Satin" is disclaimed when used apart from the mark shown.

Particular description of goods.—Silk and Rayon Mixed Goods in the Piece.

Claims use since July 1, 1925.

Ser. No. 226,597. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PARAMOUNT FUEL OIL BURNER, INC., Bayside, N. Y. Filed Jan. 29, 1926.

PARAMOUNT

Particular description of goods.—Oil Burners.

Claims use since September, 1922.

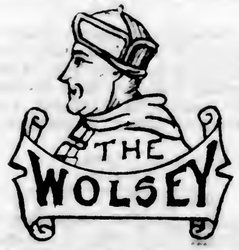
Ser. No. 226,610. (CLASS 12. CONSTRUCTION MATERIALS.) OLAV TRYGVE THEODORSEN, Oslo, Norway. Filed Jan. 29, 1926.

BULLDOG

Particular description of goods.—Metallic Joint Plates and Joint Parts for Wooden Structural Elements, Metallic Connecting Shoes, Metallic Interposition Plates, Metallic Joints; Connecting Shoes, and Anchors for Buildings (Other Than Screw Anchors), and Floor Clips for Fastening Wooden Floors or the Like to Concrete Construction.

Claims use since Jan. 26, 1920.

Ser. No. 226,615. (CLASS 39. CLOTHING.) WOLSEY LIMITED, Leicester, England. Filed Jan. 29, 1926.



The name "Wolsey" and the pictorial representation in the drawing are those of the deceased Cardinal Wolsey.

Particular description of goods.—Articles of Clothing—viz, Hosiery, Undershirts, Pants, Combination Shirt and Pants, Underwear, Union Suits, Cardigan Jackets, Undercoats, Jerseys, Gloves, Mittens, Sweaters, Jumpers, Work Shirts, Negligee Shirts, Dress Shirts, Vests, Petticoats, Underskirts, Dress Skirts, Bodices, Pelisses, Bloomers, Knickers, Blouses, Aprons, Knitted Coats, Knitted Leggings, Gaiters, Outer Coats, Cloaks, Capes, Trousers, Waistcoats, Sleeping Gowns, and Suits, Corsets, Boys' and Girls' Jersey Suits, Bathing Suits and Costumes, Overalls, Mufflers, Scarfs, Shawls, All Made of Knitted or Textile Fabric, for Men, Women, and Children.

Claims use since January, 1899.

Ser. No. 226,664. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LOS ANGELES BRUSH MANUFACTURING CORP., Los Angeles, Calif. Filed Jan. 30, 1926.

ANGELUS

Particular description of goods.—Painters' Brushes, Floor Brushes, Clothes Brushes, Hairbrushes, Brooms, Dusting Brushes, Mops, Toothbrushes, Impregnated Cloth, Cotton, and Fiber Dusters.

Claims use since 1910.

Ser. No. 226,718. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FILTROL COMPANY, Los Angeles, Calif. Filed Feb. 1, 1926.

FILTROLENE

Particular description of goods.—Decolorizing and Purifying Mineral.

Claims use since Dec. 16, 1925.

Ser. No. 226,735. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OCEAN CITY MANUFACTURING CO., Philadelphia, Pa. Filed Feb. 1, 1926.

"STRIKER"
"THE ANGLER'S PAL"

"Striker, The Angler's Pal."

Particular description of goods.—Fishing Reels.

Claims use since about Jan. 6, 1926.

Ser. No. 226,800. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HAROLD WILLIAM BOUCK, Chicago, Ill. Filed Feb. 3, 1926.

VAPORITE

Particular description of goods.—Steam and Hot-Water Radiator Vent Valves.

Claims use since Dec. 10, 1925.

Ser. No. 226,835. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRIX PERFUMERS, New York, N. Y. Filed Feb. 3, 1926.

Particular description of goods.—Nail Polishes and Nail-Polish Removers.

Claims use since Jan. 15, 1926.

Ser. No. 226,922. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Feb. 5, 1926.

Applicant disclaims any right to the exclusive use of the wording with the exception to the facsimile signature of C. B. Riker, the president of applicant corporation, and the words "Life" and "Vie" except in the precise relation and association in which they appear.

Particular description of goods.—Preparations for the Treatment of Bowel and Liver Diseases.

Claims use since 1913.

Ser. No. 226,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Feb. 5, 1926.

Applicant disclaims any right to the exclusive use of the wording with the exception of the facsimile signature of C. B. Riker, the applicant's president, and the words "Life" and "Levenspillen" (Dutch for "Life Pills") except in the precise relation in which they appear.

Particular description of goods.—Preparations for the Treatment of Bowel and Liver Disenses.

Claims use since 1900.

Ser. No. 226,924. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Feb. 5, 1926. Under ten-year proviso.

Particular description of goods.—Preparations for the Treatment of Bowel and Liver Diseases.

Claims use since Feb. 1, 1895.

Ser. No. 226,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Feb. 5, 1926.

Applicant disclaims any right to the exclusive use of the English wording not including the facsimile signature of C. B. Riker, the applicant's president, except in the precise relation shown.

Particular description of goods.—Preparations for the Treatment of Bowel and Liver Diseases.

Claims use since 1905.

Ser. No. 227,115. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CARL A. DIEDERICHS, East Liberty, Pittsburgh, Pa. Filed Feb. 10, 1926.

HIGH SCHOOL
Carl A. Diederichs
JUMPING FIGURE TOY

The words "Jumping Toy Figure" are disclaimed apart from the mark shown. The facsimile signature is that of applicant.

Particular description of goods.—Jumping Toy.

Claims use since Dec. 14, 1925.

Ser. No. 227,262. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BEST & CO., INC., New York, N. Y. Filed Feb. 15, 1926. Under section 5b act of 1905, as amended 1920.

Best & Co.

Particular description of goods.—Weighing Scales.

Claims use since 1879.

Ser. No. 227,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAXZILE CORMIER, Cromley, LA. Filed Feb. 15, 1926.

MAX COR

Particular description of goods.—Medical Compound for the Treatment of the Bladder, Kidney, and Appendicitis Troubles.

Claims use since Jan. 20, 1926.

Ser. No. 227,310. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed Feb. 15, 1926.

CAENSTONE

Particular description of goods.—Ready-Mixed Paint.

Claims use since June, 1912.

Ser. No. 227,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL C. MUELLER, doing business as The Peerless Manufacturing Co., Washington, D. C. Filed Feb. 16, 1926.

No claim is made to the words "Chewin Gum" aside from the other features of the mark. The background of drawing is orange, the leaves and the ribbon on which "Chewin Gum" appear are green, and the arrow and body of the field on which "Mint Julep" appear are purple.

Particular description of goods.—Chewing Gum.

Claims use since Feb. 16, 1926.

Ser. No. 227,369. (CLASS 39. CLOTHING.) REAL SILK HOSIERY MILLS, Indianapolis, Ind. Filed Feb. 16, 1926.

FASHIONBILT

Particular description of goods.—Textile Articles—Namely, Hosiery.
Claims use since Jan. 1, 1926.

Ser. No. 227,519. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Feb. 19, 1926.

McCORMICK-DEERING

Particular description of goods.—Wagons and Parts Thereof.
Claims use since Oct. 1, 1922.

Ser. No. 227,525. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LUSTERITE MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 19, 1926.

LUSTERITE

Particular description of goods.—Automobile and Furniture Polish.
Claims use since November, 1925.

Ser. No. 227,545. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEO. D. WETHERILL & CO., INC., Philadelphia, Pa. Filed Feb. 19, 1926.

WETHERLAC

No claim is made to the word "Lac" apart from the mark shown in the drawing.
Particular description of goods.—Ready-Mixed Lacquers.
Claims use since Dec. 10, 1925.

Ser. No. 227,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Feb. 20, 1926.

The mark consists in blue strips arbitrarily spaced apart and extending diagonally of the bag, the representation of a bag being disclaimed.
Particular description of goods.—Poultry Feed.
Claims use since November, 1917.

Ser. No. 227,622. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALEXANDER INDUSTRIES, INC., Englewood, Colo. Filed Feb. 23, 1926.

ALEXANDER AIRCRAFT CO.

Particular description of goods.—Airplanes, Airplane Fuselages, Airplane Wings, Airplane Rudders, Airplane Ailerons, and Airplane Landing Gears.
Claims use since July 1, 1925.

Ser. No. 227,659. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MASON, EHRMAN & COMPANY, Portland, Oreg. Filed Feb. 23, 1926.

DUDEEN

"Dudeen."
Particular description of goods.—Smokers' Articles, Tobacco-Smoking Pipes, Cigar Holders, Cigarette Holders, Tobacco Pouches, Cigarette Cases, Cigar Cases, Tobacco Jars, Cigar Humidors, and Ash Trays.
Claims use since Dec. 10, 1923.

Ser. No. 227,679. (CLASS 15. OILS AND GREASES.) FRANK P. PARKER, Harrisburg, Ill. Filed Feb. 23, 1926.

CASTEEN

Particular description of goods.—Liquid Motor Fuels, Crude and Refined Oils for Lighting, Heating, and Lubricating Purposes.
Claims use since Nov. 1, 1925.

Ser. No. 227,685. (CLASS 39. CLOTHING.) HARRY RAGOVIN, New York, N. Y. Filed Feb. 23, 1926.

H.R. GENUINE SHAMI-SOIE

No claim is made to the words "Genuine" and "Soie" apart from the mark shown on the drawing.
Particular description of goods.—Vests, Chemise, Step-Ins, Slips, Petticoats, and Bloomers.
Claims use since Oct. 1, 1925.

Ser. No. 227,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DENVER PHARMACEUTICAL MFG. CO., INC., Long Island City, N. Y. Filed Feb. 24, 1926.

THYMO CHESTIN

Particular description of goods.—Medicines for the Relief of Whooping Cough, Bronchitis, Asthmatic Cough, and Laryngitis.
Claims use since Jan. 1, 1914.

Ser. No. 227,761. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAMS-WRIGHT CO., Whittier, Calif. Filed Feb. 24, 1926.

Desert Gold

Particular description of goods.—Automobile and Furniture Polish.
Claims use since Feb. 8, 1926.

Ser. No. 227,771. (CLASS 37. PAPER AND STATIONERY.) JOHN S. BRIDGES, doing business as John S. Bridges & Co., Baltimore, Md. Filed Feb. 25, 1926. Under 10-year proviso.

"We Do It Quick."

Particular description of goods.—Printed Mailing Envelopes, Letterheads, Billheads, Stock-Certificate Forms, Shipping Tags, Loose-Leaf Binders, Bound Ledgers, Check Books, Sheets for Loose-Leaf Binders, Legal Forms, Statement Forms, Order Blanks, Vouchers, Proxy Forms, Report Forms, Post-Card Forms, Subscription Cards, Bank-Statement Forms, Coupon Books with Blank Forms to be Filled in, and Ruled and Unruled Blank Books.
Claims use since 1891.

Ser. No. 227,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Ludwigshafen-on-Rhine, Germany. Filed Feb. 26, 1926.

Nekal

"Nekal."
Particular description of goods.—Wetting-Out Agents are Bodies Used in a Great Variety of Working Processes in the Textile and Other Industries with the Object of Facilitating a Quick Moistening or Wetting Out of the Materials to be Treated with Water or Solutions—cf., Color Solutions, Impregnating Liquors, Etc.; Mulsifying Agents Reduce Liquids or Other Bodies Such as Organic Solvents, Fats, Oils, Resins, Paraffin, Etc. to an Exceedingly Fine State of Division (Emulsion), Which are Insoluble In or Not Miscible with Water, and Solvents are Bodies Which are Suitable to Convert other Bodies into Solutions.
Claims use since August, 1925.

Ser. No. 227,835. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE GREIST MANUFACTURING CO., New Haven, Conn. Filed Feb. 26, 1926.

VARICRYSTL

Particular description of goods.—Lamp Shades of Ornamental Paper, Parchmentized Paper, or Parchment Shades.
Claims use since Jan. 27, 1926.

Ser. No. 227,852. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & Co., Chicago, Ill. Filed Feb. 26, 1926.

Particular description of goods.—Peanut Butter.
Claims use since about Sept. 14, 1925.

Ser. No. 227,863. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE STERLING PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 26, 1926.

SumHot

Particular description of goods.—Hot-Surface Paints.
Claims use since about Jan. 1, 1906.

Ser. No. 227,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS Co., Lawrenceburg, Ind. Filed Feb. 27, 1926.

WHITE CAP

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since Dec. 7, 1925.

Ser. No. 227,952. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAHAN PRODUCTS COMPANY, Louisville, Ky. Filed Mar. 1, 1926.

The word "Brand" is disclaimed apart from the mark shown on the drawing. The silhouette appearing as a part of drawing is merely fanciful.
Particular description of goods.—Coffee, Tea, Vanilla and Lemon Extracts for Food-Flavoring Purposes, Spice, and Pure-Food-Flavored Gelatin.
Claims use since Sept. 1, 1925.

Ser. No. 227,970. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SHUR-ON STANDARD OPTICAL CO., INC., Geneva, N. Y. Filed Mar. 1, 1926.

Shur-on

Particular description of goods.—Machines for Manufacturing, Finishing, Adjusting, and Testing Lenses, and Lens Mountings for Eyeglasses and Spectacles; Optical Instruments and Devices for Testing and Examining the Eyes, Spectacles and Eyeglasses and Parts Thereof, and Optical Lenses.
Claims use since August, 1900.

Ser. No. 227,974. (CLASS 15. OILS AND GREASES.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed Mar. 1, 1926.

WINTER RUN

Particular description of goods.—Petroleum Products—Viz., Gasoline.
Claims use since Feb. 9, 1926.

Ser. No. 228,002. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. A. LIVERMORE, doing business as L. A. B. Co., Bell, Calif. Filed Mar. 2, 1926.

L·A·B

Particular description of goods.—Dandruff Remover and Hair-Falling Preventive.
Claims use since Jan. 1, 1926.

Ser. No. 228,052. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES MCDONNELL COMPANY, Mobile, Ala. Filed Mar. 3, 1926.

Jersey Queen

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since May, 1925.

Ser. No. 228,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Mar. 3, 1926.

ORMO TUSSIN

Particular description of goods.—Tonic Expectorant.
Claims use since September, 1922.

Ser. No. 228,109. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Mar. 4, 1926.

No claim is made to the exclusive use of the words "Safety Matches," "Brand," "Made in Sweden," and the Geographical words "Calcutta," "London," and "New Orleans" apart from the mark as shown in the drawing.
Particular description of goods.—Matches.
Claims use since Jan. 8, 1926.

Ser. No. 228,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL H. JORDAN, doing business as Mineralife, Los Angeles, Calif. Filed Mar. 4, 1926.

MINERALIFE

Particular description of goods.—Mineral Laxative Salts, Female Capsules for Removing Growths, Bath Crystals, Liniment, Blood Tonic and Purifier, an Internal Remedy for Kidney Trouble and Rheumatism.
Claims use since Sept. 10, 1925.

Ser. No. 228,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. D. BREAKER COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 5, 1926.

MIKADO

"Mikado."
Particular description of goods.—Canned Crab Meat.
Claims use since Feb. 25, 1926.

Ser. No. 228,181. (CLASS 39. CLOTHING.) FRANCES NEGLIGEES CORPORATION, New York, N. Y. Filed Mar 5, 1926.

LADY FRANCES

Particular description of goods.—Ladies' Handmade Knitted and Textile Fabric Underwear.
Claims use since Jan. 1, 1926.

Ser. No. 228,189. (CLASS 46. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HAUSER & SOBOTKA A. G., Vienna, Austria. Filed Mar. 5, 1926.

IHO

Particular description of goods.—Malt Beverages, Extracts, and Sirups.
Claims use since Dec. 17, 1925.

Ser. No. 228,202. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE SNYDER HOIST & BODY COMPANY, Baltimore, Md. Filed Mar. 5, 1926.

SNYDER

"Snyder Slider," exclusive use of the surname "Snyder" being disclaimed apart from the other features of the mark as shown.
Particular description of goods.—Dumping Trucks.
Claims use since Nov. 25, 1925.

Ser. No. 228,314. (CLASS 39. CLOTHING.) GIDEON F. GOSSELIN & SONS, St. Paul, Minn. Filed Mar. 8, 1926.

Applicant disclaims all right to the exclusive use of the words "Trade-Mark" and "St. Paul, Minn." which appears in the drawing.
Particular description of goods.—Moccasins which are Made of Buckskin.
Claims use since Jan. 9, 1925.

Ser. No. 228,349. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY ADELMAN, doing business as Clocker N. Rogers Turf Weekly Publishing Co., New York, N. Y. Filed Mar. 9, 1926.

No claim is made to the words "Clocker N. Rogers" aside from the other features of the mark shown.
Particular description of goods.—Periodical.
Claims use since Feb. 1, 1924.

Ser. No. 228,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAURENCE E. CASH, doing business as New York Drug Concern, New York, N. Y. Filed Mar. 9, 1926. Under 10-year proviso.

HILLS HONEY & TAR

Particular description of goods.—Compounds for Treating Coughs and Colds.
Claims use since October, 1894.

Ser. No. 228,361. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DAVEGA, INC., New York, N. Y. Filed Mar. 9, 1926.

Gairlock

Particular description of goods.—Golf Clubs and Golf Balls.
Claims use since January, 1921.

Ser. No. 228,393. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALBERT W. TAUSEND, doing business as Magnetic Spring Water Company, Saginaw, Mich. Filed Mar. 9, 1926.

"NU-ORANJ"

"Nu-Oranj."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal Maltless Beverages Sold as Soft Drinks—Viz, an Orange-Flavored Beverage.
Claims use since Feb. 8, 1926.

Ser. No. 228,460. (CLASS 12. CONSTRUCTION MATERIALS.) COLFIX, LIMITED, Glasgow, Scotland. Filed Mar. 11, 1926.

COLFIX

Particular description of goods.—Manufactures from Bitumen for Use in a Cold State in the Making of Road Surfaces.
Claims use since on or about June 1, 1923.

Ser. No. 228,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NUTURA LABORATORIES, Salt Lake City, Utah. Filed Mar. 11, 1926.

EX-Natura FROM NATURE

The words "From Nature" are disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Hair Tonic.
Claims use since Feb. 27, 1926.

Ser. No. 228,516. (CLASS 17. TOBACCO PRODUCTS.) JACK WARD, Agawam, Mass. Filed Mar. 11, 1926.

The words "Jack Ward's" are disclaimed apart from the mark as shown in the drawing. The mark consists of the words "Tell-Em" shaded blue together with the picture of a German police dog having a blue background.
Particular description of goods.—Cigars.
Claims use since July 1, 1925.

Ser. No. 228,525. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERTRUDE A. BURNES, doing business as Union Cosmetic Co., Portland, Oreg. Filed Mar. 12, 1926.

UNION

Particular description of goods.—Toilet Preparations—Namely, Hair Tonic, Deodorants, and Face Lotion.
Claims use since Dec. 28, 1925.

Ser. No. 228,534. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y. Filed Mar. 12, 1926.

FBO

Particular description of goods.—Motion-Picture Films.
Claims use since Sept. 15, 1925.

Ser. No. 228,546. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Mar. 12, 1926.

EASTER EGG

Particular description of goods.—Toilet and Laundry Soap.
Claims use since on or about Feb. 1, 1926.

Ser. No. 228,550. (CLASS 17. TOBACCO PRODUCTS.) MANUEL MADERA, New York, N. Y. Filed Mar. 12, 1926.

The drawing is lined for red.
Particular description of goods.—Cigars, Cigarettes, Cheroots, Stogies, Chewing and Smoking Tobacco.
Claims use since Mar. 31, 1913.

Ser. No. 228,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PYRAMID PACKING COMPANY, Sitka, Alaska. Filed Mar. 12, 1926.

PHARAOH

Particular description of goods.—Canned Fish.
Claims use since Nov. 18, 1918.

Ser. No. 228,574. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

Almatox

Particular description of goods.—Paint and Varnish Remover.
Claims use since about Jan. 1, 1903.

Ser. No. 228,578. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

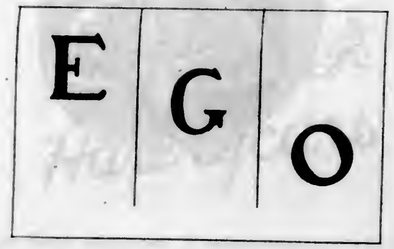
Particular description of goods.—Varnishes.
Claims use since about January, 1902.

Ser. No. 228,628. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WAILES DOVE-HERMISTON CORP., New York, N. Y. Filed Mar. 13, 1926.

BITUDENSA

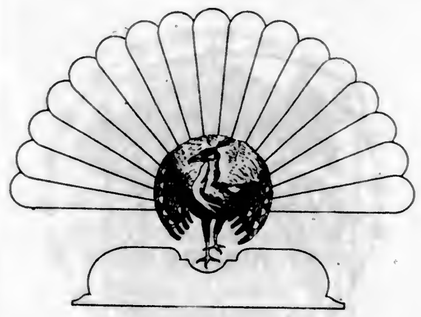
"Bitudensa."
Particular description of goods.—Condenser Paints.
Claims use since Feb. 24, 1926.

Ser. No. 228,648. (CLASS 12. CONSTRUCTION MATERIALS.) EGO TILE COMPANY, Detroit, Mich. Filed Mar. 15, 1926.



Particular description of goods.—Tiles.
Claims use since Mar. 1, 1926.

Ser. No. 228,654. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JONES-DABNEY COMPANY, INCORPORATED, Louisville, Ky. Filed Mar. 15, 1926.



Particular description of goods.—Nitrocellulose Lacquer.
Claims use since Feb. 1, 1926.

Ser. No. 228,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC CANNING CO., Atlantic, Iowa. Filed Mar. 16, 1926.

Particular description of goods.—Canned Vegetables.
Claims use since Sept. 1, 1882.

Ser. No. 228,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. W. BEGGS, SONS & CO., Chicago, Ill. Filed Mar. 17, 1926.

Marcelle

Particular description of goods.—Brilliantine, Cold Cream, Face Powder, and Hair Gloss.
Claims use since about Sept. 1, 1919.

Ser. No. 228,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 17, 1926.

Particular description of goods.—Pastes and Powders for Preserving and Beautifying the Skin, Teeth, and Hair, and Perfumery.
Claims use since July, 1905.

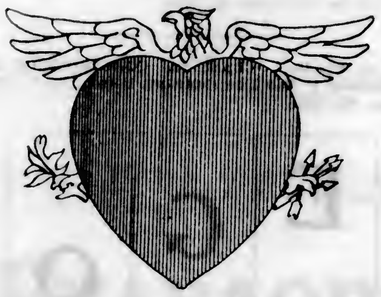
Ser. No. 228,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Mar. 17, 1926.

Particular description of goods.—Pastes and Powders for Preserving and Beautifying the Teeth, Skin, and Hair, and Perfumery.
Claims use since July, 1905.

Ser. No. 228,791. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN IRON & MACHINE WORKS, INC., Garber and Tonkawa, Okla. Filed Mar. 18, 1926.

The shading on the drawing is intended to represent blue and red. The name of the corporation is not claimed apart from the other features of the mark.
Particular description of goods.—Releasing and Circulating Overshots for Well-Drilling Apparatus, Rock-Bit Wrenches, Milling Shoes, Flexible Tube or Pipe Couplings, Paraffin Bits, Sucker-Rod Sockets, Milling Tools, and Tapered Taps.
Claims use since Jan. 1, 1924.

Ser. No. 228,800. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CAPON SPRINGS COMPANY, Capon Springs, W. Va. Filed Mar. 18, 1926.



Particular description of goods.—Mineral water.
Claims use since 1921.

Ser. No. 228,820. (CLASS 15. OILS AND GREASES.) THE KENDALL REFINING COMPANY, Bradford, Pa. Filed Mar. 18, 1926.

The word "Kendall" is disclaimed apart from the mark as shown.
Particular description of goods.—Refined Oil, Lubricating Oils, Gasoline, and Petroleum Greases.
Claims use since Feb. 22, 1926.

Ser. No. 228,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM FRANCIS MILLER, New York, N. Y. Filed Mar. 19, 1926.

CHEWIT

Particular description of goods.—Chewing Laxative.
Claims use since Nov. 10, 1925.

Ser. No. 228,867. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SANTA FE TRANSPORTATION COMPANY, Santa Fe, N. Mex., and Kansas City, Mo. Filed Mar. 19, 1926.

Particular description of goods.—Booklets, Circulars, and Pamphlets.
Claims use since Jan. 1, 1926.

Ser. No. 228,904. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALLACE D. HOUCHEN, doing business as Al-Pine Salve Company, Los Angeles, Calif. Filed Mar. 20, 1926.

Applicant disclaims all right to registration of the words appearing on the drawing.
Particular description of goods.—Medicinal Salve.
Claims use since Oct. 1, 1925.

Ser. No. 228,905. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HOWARD-SEVERANCE COMPANY, Chicago, Ill. Filed Mar. 20, 1926.

PROGRESS

Particular description of goods.—Monthly Magazine.
Claims use since Jan. 18, 1926.

Ser. No. 228,936. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) G. S. ROBINS & COMPANY, St. Louis, Mo. Filed Mar. 20, 1926.

SapOtex
THE PERFECT SOAP FOR ALL FINE FABRICS

Exclusive right to the words "The Perfect Soap for All Fine Fabrics" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Soap.
Claims use since Feb 11, 1926.

Ser. No. 228,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 22, 1926. Under 10-year proviso.

Particular description of goods.—Preparation of Hypophosphites.
Claims use since about 1883.

Ser. No. 229,028. (CLASS 38. PRINTS AND PUBLICATIONS.) WM. C. FISHER, New York, N. Y. Filed Mar. 22, 1926.

Orthodontic Directory of The World

Particular description of goods.—Directories of Orthodontic Profession, Published from Time to Time.
Claims use since January, 1924.

Ser. No. 229,029. (CLASS 38. PRINTS AND PUBLICATIONS.) WM. C. FISHER, New York, N. Y. Filed Mar. 23, 1926.

Orthodontic Directory of America

Particular description of goods.—Directories of Orthodontic Profession, Published from Time to Time.
Claims use since January, 1920.

Ser. No. 229,043. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MICHEL KRASS, New York, N. Y. Filed Mar. 23, 1926.

The lining shown on the mark is for the purpose of shading only and does not represent color. All wording is disclaimed except "Emkay."
Particular description of goods.—Paints for Painting on Fabrics.
Claims use since Mar. 15, 1926.

Ser. No. 229,055. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HORATIO POMPIERI, doing business as Pompieri Company, Brooklyn, N. Y. Filed Mar. 23, 1926.

No claim is made to the words "Pure," "Soap," "Best," "Ever," "Cleanser," and "Pompieri's," apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since Mar. 10, 1926.

Ser. No. 229,060. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE DU LOUVRE (SOCIETE ANONYME), Paris, France. Filed Mar. 23, 1926.

No claim is made to the words "Grands Magasins Du" apart from the mark shown. The lining designates shading only and not color.
Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Talcum Powder, Face Creams, Rouges, Sachet Powder, Bath Salts, Brilliantine, Face Lotions, and Dentifrices.
Claims use since 1890.

Ser. No. 229,089. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CAPITOL BRASS WORKS, Detroit, Mich. Filed Mar. 24, 1926.

STA-PAK

Particular description of goods.—Radiator Valves, Hot-Water Valves, Steam Valves, Valves for Pressure and Expansion Systems, and Valves for Steam, Vapor, and Vacuum Installations.
Claims use since Dec. 1, 1925.

Ser. No. 229,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THADDEUS RAY GEISERT, doing business as T. R. Geisert and Company, Lawrenceburg, Ind. Filed Mar. 24, 1926.

Liniraub

Particular description of goods.—Rubbing Alcohol.
Claims use since June 10, 1924.

Ser. No. 229,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GLANDVIM LABORATORIES, INC., Brooklyn, N. Y. Filed Mar. 24, 1926.

GLANDVIM
THE KEY TO GOOD HEALTH
GLANDVIM

Particular description of goods.—Medicinal Preparation for Internal Use As a Tonic.
Claims use since Jan. 25, 1926.

Ser. No. 229,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO STAHL, INC., New York, N. Y. Filed Mar. 24, 1926.

TEENIE WEENIES

Particular description of goods.—Frankfurters.
Claims use since Jan. 21, 1926.

Ser. No. 229,137. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE VAN DORN IRON WORKS COMPANY, Cleveland, Ohio. Filed Mar. 24, 1926.

METALUSTER

Particular description of goods.—Polish for Use in Connection with Metal Furniture.
Claims use since Feb. 25, 1926.

Ser. No. 229,174. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) E. FREDERICS INC., New York, N. Y. Filed Mar. 25, 1926.

VITA-TONIC

Particular description of goods.—Steam Pads Used in Connection with the So-Called Permanent Waving of Human Hair.
Claims use since Nov. 10, 1925.

Ser. No. 229,186. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE MECHANICAL APPLIANCES COMPANY, Los Angeles, Calif. Filed Mar. 25, 1926.

MACO

Particular description of goods.—Dental Hand Pieces.
Claims use since Mar. 5, 1926.

Ser. No. 229,200. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOUTHERN COLD STORAGE CO., Cleveland, Tenn. Filed Mar. 25, 1926.

SERVICE

Particular description of goods.—Ice.
Claims use since May, 1924.

Ser. No. 229,229. (CLASS 39. CLOTHING.) GOLDSTEIN-KIRSHNER CO., New York, N. Y. Filed Mar. 26, 1926.

The lining on the drawing indicates a sky-blue field with gold lettering.
Particular description of goods.—Pyjamas and Nightgowns for Men, Women, and Children.
Claims use since Jan. 9, 1926.

Ser. No. 229,238. (CLASS 2. RECEPTACLES.) L. J. LEON MFG. COMPANY, Chicago, Ill. Filed Mar. 26, 1926.

CAMEE-LEON

Particular description of goods.—Bird Cages and Bird-Cage Stands.
Claims use since Mar. 10, 1926.

Ser. No. 229,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FRUIT PRODUCTS CO., Dallas, Tex., and Grand Rapids, Mich. Filed Mar. 26, 1926.

MAPLEINE

Particular description of goods.—Table Sirup—Namely, a Combination of Cane and Fruit Sirup.
Claims use since Feb. 17, 1926.

Ser. No. 229,253. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HARRY O. RUSS, Boston, Mass. Filed Mar. 26, 1926.

EBONITE

Particular description of goods.—Coal.
Claims use since Feb. 23, 1926.

Ser. No. 229,257. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) U. S. HAME COMPANY, Buffalo, N. Y. Filed Mar. 26, 1926.

1225

Particular description of goods.—Hames.
Claims use since Jan. 26, 1926.

Ser. No. 229,258. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) U. S. HAME COMPANY, Buffalo, N. Y. Filed Mar. 26, 1926.

GIANT

Particular description of goods.—Hames.
Claims use since Jan. 26, 1926.

Ser. No. 229,282. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GREAT NORTHERN FUR DYEING AND DRESSING CORPORATION, New York, N. Y. Filed Mar. 27, 1926.

NORTHERN WAVE

Particular description of goods.—Fur Pelts and Skins.
Claims use since Aug. 1, 1925.

Ser. No. 229,289. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INDIANA TRUCK CORPORATION, Marion, Ind. Filed Mar. 27, 1926.

BIG INDIANA STEVE

No claim is made to the words "Motor," "Indiana," and "Trucks" other than in the association shown. The portion with vertical lining indicates red. The portion with heavy cross lining indicates black.
Particular description of goods.—Automobile Trucks.
Claims use since Jan. 1, 1926.

Ser. No. 229,292. (CLASS 12. CONSTRUCTION MATERIALS.) KEDMONT MANUFACTURING CO., Chicago, Ill. Filed Mar. 27, 1926.

PRESERVATEX

Particular description of goods.—Concrete Hardener.
Claims use since Feb. 8, 1926.

Ser. No. 229,300. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SAINT LOUIS AND O'FALLON COAL COMPANY, St. Louis, Mo. Filed Mar. 27, 1926.

BLACK EAGLE

Particular description of goods.—Coal.
Claims use since Nov. 1, 1925.

Ser. No. 229,323. (CLASS 38. PRINTS AND PUBLICATIONS.) CHILTON CLASS JOURNAL COMPANY, Philadelphia, Pa. Filed Mar. 29, 1926.

Motor World Wholesale

Particular description of goods.—Weekly Trade Publication.
Claims use since May 28, 1925.

Ser. No. 229,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE GOLDEN RULE, INC., Columbus, Ohio. Filed Mar. 29, 1926.

TRADE MARK GOLDEN RULE THE GR INC.

No claim is made for the words "Trade-Mark" apart from the mark as shown on the drawing.
Particular description of goods.—Wool Blankets.
Claims use since Jan. 22, 1926.

Ser. No. 229,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN C. MORGAN COMPANY, Traverse City, Mich. Filed Mar. 29, 1926.

OMENA

Particular description of goods.—Canned Fruits.
Claims use since 1924.

Ser. No. 229,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STOREN BROS. PACKING COMPANY, Lexington, Ind. Filed Mar. 29, 1926.

Red Gold

Particular description of goods.—Canned Tomatoes and Purée.
Claims use since Apr. 7, 1925.

Ser. No. 229,362. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE THOMSON WOOD FINISHING CO., Philadelphia, Pa. Filed Mar. 29, 1926.

Porcelac

"Porcelac."
Particular description of goods.—Varnishes, Varnish Stains, Paint Enamels, Floor Enamels; Dry, Paste, and Ready-Mixed Paints; Lacquers, Brushing Lacquers, Fillers, Driers, and Stains.
Claims use since June 1, 1923.

Ser. No. 229,368. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WINNE & SUTCH CO., Los Angeles, Calif. Filed Mar. 29, 1926.

DECO

Particular description of goods.—Cotton Goods in the Piece.
Claims use since Jan. 7, 1925.

Ser. No. 229,376. (CLASS 12. CONSTRUCTION MATERIALS.) COLBERT LIMEROCK ASPHALT COMPANY, Sheffield, Ala. Filed Mar. 30, 1926.

COLROCK

Particular description of goods.—Paving Material, and More Particularly Bituminous Limerock Asphalt.
Claims use since Aug. 25, 1925.

Ser. No. 229,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 30, 1926.

Particular description of goods.—High-Boiling Solvent for Gums and Cellulose Esters.
Claims use since Mar. 1, 1926.

Ser. No. 229,387. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 30, 1926.

HERCULES

Particular description of goods.—Nitrocellulose.
Claims use since Mar. 10, 1926.

Ser. No. 229,388. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 30, 1926.

Particular description of goods.—Nitrocellulose.
Claims use since Mar. 10, 1926.

Ser. No. 229,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUYTIES PHARMACAL COMPANY, St. Louis, Mo. Filed Mar. 30, 1926.

The word "Salt" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Tooth Paste.
Claims use since June 23, 1924.

Ser. No. 229,403. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DR. J. PERL & CO. KOMMANDITGESELLSCHAFT, Berlin-Tempelhof, Germany. Filed Mar. 30, 1926.

Perluco

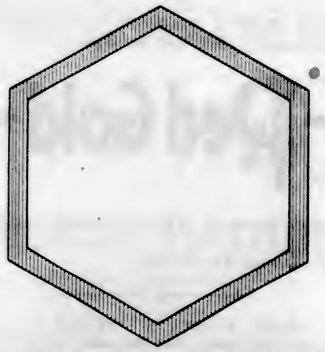
Particular description of goods.—Lacquers; Dry, Paste, and Ready-Mixed Paints; and Varnishes.
Claims use since Jan. 1, 1925.

Ser. No. 229,412. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 30, 1926.

HEX

"Hex."
Particular description of goods.—Coal Tar, Seine Tar, Lens Pitch, Marking Tar for Marking Textile Goods Before Bleaching.
Claims use since on or about Sept. 17, 1920, with respect to coal tar; with respect to seine tar, since on or about Mar. 20, 1921; with respect to lens pitch since on or about Feb. 28, 1923; and with respect to marking tar since on or about July 18, 1923.

Ser. No. 229,414. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 30, 1926.



The mark comprises a hexagonal symbol which in the example shown in the drawing is lined to represent the color red.
Particular description of goods.—Coal Tar, Seine Tar, Lens Pitch, Marking Tar for Marking Textile Goods Before Bleaching, and Pitch, Including Roofing Pitch, Waterproofing Pitch, Paving Pitch, and Concrete Pitch.
Claims use since on or about July 18, 1920, with respect to coal tar; with respect to seine tar, since on or about Mar. 20, 1921; with respect to lens pitch since on or about Feb. 28, 1923; and with respect to marking tar for marking textile goods before bleaching since on or about July 18, 1923.

Ser. No. 229,433. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE COLEMAN LAMP COMPANY, Wichita, Kans. Filed Mar. 31, 1926.

AIR-O-GAS

Particular description of goods.—Stoves Using Gasoline as a Fuel.
Claims use since Dec. 24, 1925.

Ser. No. 229,436. (CLASS 39. CLOTHING.) CROMER & CASSEL, Miami, Fla. Filed Mar. 31, 1926.

The lining in the drawing is for shading only.
Particular description of goods.—Ladies' and Misses' Dresses, Coats, Suits, Sweaters, Capes; Millinery—Namely, Hats Made of Felt, Straw, Satin, Velour, Ribbon, Duck, and Combinations Thereof, and Hat Frames; Underwear Made of Knitted or Textile Fabrics, Hosiery, Bathing Suits, Bathing Capes; Men's and Boys' Coats, Trousers, Dress Shirts, Negligee Shirts, Work Shirts, and Undershirts; Hosiery, Underwear Made of Knitted and Textile Fabrics, Hats, and Caps.
Claims use since Jan. 15, 1926.

Ser. No. 229,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH G. HINDY, doing business as Hindy Laboratories, New York, N. Y. Filed Mar. 31, 1926.

Particular description of goods.—Liquid Dentifrices for Use for Removal of Tartar and Whitening of the Teeth.
Claims use since Jan. 1, 1925.

Ser. No. 229,445. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & CO., Ottumwa, Iowa. Filed Mar. 31, 1926.

Riverdale

Particular description of goods.—Canned Vegetables and Butter.
Claims use since June 27, 1923.

Ser. No. 229,449. (CLASS 39. CLOTHING.) SAMUEL LUBASCH, New York, N. Y. Filed Mar. 31, 1926.

Particular description of goods.—Knitted Goods—Namely, Sweaters, Slip-Overs; Hats, Caps for Men, Women, and Children; Bootees and Infants' Sets Consisting of Cap, Jacket, Gloves, and Bootees Made of Silk, Cotton, Wool, and Mixtures Thereof.
Claims use since Oct. 25, 1925.

Ser. No. 229,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Filed Mar. 31, 1926.

ARTIC GAS

No claim is made to the exclusive use of the word "Gas" except in association with the rest of the trademark.
Particular description of goods.—Fluids Used in Refrigeration.
Claims use since Mar. 20, 1926.

Ser. No. 229,473. (CLASS 39. CLOTHING.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Mar. 31, 1926.

SPARKLETONE

Particular description of goods.—Dresses and Hats for Women and Children, and Coats, Suits, Sweaters, Sport Coats, Jackets, Slip-Ons, for Men, Women, and Children, Made of Knitted Fabrics.
Claims use since December, 1925.

Ser. No. 229,493. (CLASS 12. CONSTRUCTION MATERIALS.) CALIFORNIA CEDAR PRODUCTS COMPANY, Stockton, Calif. Filed Apr. 1, 1926.

DUROBORD

Particular description of goods.—Plaster Wall Board and Plaster Lath.
Claims use since on or about Mar. 25, 1926.

Ser. No. 229,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLD W. FOSTER, doing business as No-Krode Manufacturing Company, Seattle, Wash. Filed Apr. 1, 1926.

No Krode

Particular description of goods.—Preparation to be Applied to the Terminal of Storage Batteries to Prevent Corrosion.
Claims use since Jan. 1, 1923.

Ser. No. 229,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NOBUZO NOJIRI, doing business as Nojiri Fruit Co., Sacramento, Calif. Filed Apr. 1, 1926.

SALADMAID

Applicant disclaims the word "Salad" except in the precise relation and association in which it appears.
Particular description of goods.—Fresh Tomatoes and Lettuce.
Claims use since Jan. 15, 1926.

Ser. No. 229,527. (CLASS 39. CLOTHING.) SILVER-FOX CO. INC., New York, N. Y. Filed Apr. 1, 1926.

The exclusive use of the word "Charleston" apart from the mark shown in the drawing is hereby disclaimed.
Particular description of goods.—Women's Wearing Apparel—Namely, Dresses, Waists, and Coats.
Claims use since Mar. 9, 1926.

Ser. No. 229,528. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NATHAN SIMON, doing business as United States Appliance Company, Chicago, Ill. Filed Apr. 1, 1926.

USAC

Particular description of goods.—Lattner Duplex, Combination Hot-Water Heaters, Hot-Water-Storage Heaters, Supersteam Boilers, and Vapor Oil Burners.
Claims use since Jan. 2, 1926.

Ser. No. 229,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BONACI, INC., Long Island City, N. Y. Filed Apr. 2, 1926.

BONACI

Applicant for the purpose of this application disclaims any right to the word "Bonaci" apart from the other features of the mark as shown.
Particular description of goods.—Candies.
Claims use since November, 1924.

Ser. No. 229,584. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB S. POLEFSKY, doing business as Eureka Flavor Co., New York, N. Y. Filed Apr. 2, 1926.

The figures shown in the mark are fanciful.
Particular description of goods.—Food-Flavoring Extracts.
Claims use since Jan. 1, 1926.

Ser. No. 229,596. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME CH. DRECOLL, Paris, France. Filed Apr. 2, 1926.

DRECOLL PARIS

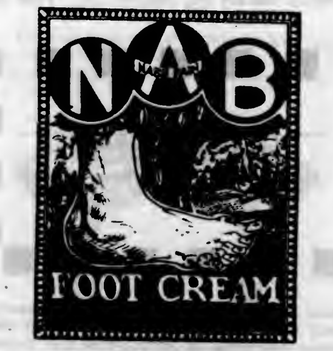
The words "Drecoll" and "Paris" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Face Creams, Rouges, Brilliantine, Lotion for Skin and Hair, Bath Salts, and Dentifrices.
Claims use since Apr. 1, 1925.

Ser. No. 229,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARMSTRONG PACKING COMPANY, Dallas, Tex. Filed Apr. 3, 1926.

Bakelite

Particular description of goods.—Cottonseed-Oil Shortening.
Claims use since Feb. 26, 1926.

Ser. No. 229,611. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN BEER, doing business as Nab Mfg. Co., New York, N. Y. Filed Apr. 8, 1926.



No claim is made to the words "Foot Cream" apart from the mark as shown.
Particular description of goods.—Foot Creams.
Claims use since July 21, 1925.

Ser. No. 229,616. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CADICK MILLING COMPANY, Grandview, Ind. Filed Apr. 3, 1926.

HOOSIER BELLE

Particular description of goods.—Wheat Flour.
Claims use since Feb. 13, 1926.

Ser. No. 229,620. (CLASS 45. BEVERAGES, NONALCOHOLIC.) P. G. DORY, doing business as Watertown Carbonating Co., Watertown, S. Dak. Filed Apr. 3, 1926.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz., Ginger Ale.
Claims use since May 14, 1925.

Ser. No. 229,645. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JAMES E. RICHARDS COMPANY, Dayton, Ohio. Filed Apr. 3, 1926.

Particular description of goods.—Drop Cloth for Use by Painters, Decorators, Plasterers, and in any Connection Where it is Desired to Protect Walls, Floors, Furniture, Etc.
Claims use since Mar. 17, 1926.

Ser. No. 229,648. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 3, 1926.

Kleanal

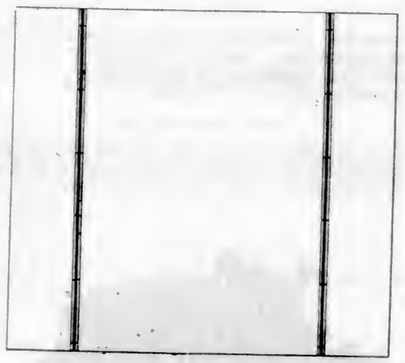
Particular description of goods.—Toothbrushes.
Claims use since Jan. 20, 1925.

Ser. No. 229,649. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 3, 1926.

HANDITUFT

Particular description of goods.—Toothbrushes.
Claims use since Jan. 20, 1925.

Ser. No. 229,656. (CLASS 20. LINOLEUM AND OILED CLOTH.) ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Apr. 5, 1926.



Particular description of goods.—Floor Covering—Namely, Linoleum and Felt-Base Products.
Claims use since Mar. 23, 1926.

Ser. No. 229,664. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CENTURY NATIONAL CHEMICAL COMPANY, Paterson, N. J., and New York, N. Y. Filed Apr. 5, 1926. Under 10-year proviso.

GLENN'S SULPHUR SOAP

Particular description of goods.—Soaps.
Claims use since July, 1871.

Ser. No. 229,684. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANCIS WILLMOTT KALE, doing business as Zylox Company, Washington, D. C. Filed Apr. 5, 1926.

Particular description of goods.—Liquid Metal-Polishing Materials.
Claims use since Mar. 24, 1926.

Ser. No. 229,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PACIFIC DRY GOODS CO., San Francisco, Calif. Filed Apr. 5, 1926.

Particular description of goods.—Assorted Incense.
Claims use since Jan. 1, 1923.

Ser. No. 229,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PEPSIN REMEDY CO., Spencer, Ind. Filed Apr. 5, 1926.

No claim is made to the words "Pepsin Remedy Tablets" apart from the trade-mark shown in the drawing.
Particular description of goods.—Medicinal Preparation in Tablet Form Recommended for Constipation, Dyspepsia, Liver Disorders, Chronic Stomach Ailments, Kidney Complaints, and Rheumatism.
Claim use since Dec. 2, 1924.

Ser. No. 229,703. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH POLZIN, doing business as The Highway Co., Rock Island, Ill. Filed Apr. 5, 1926.

HIGHWAY

Particular description of goods.—Nonalcoholic, Maltless Beverage.
Claims use since Feb. 2, 1926.

Ser. No. 229,715. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & COMPANY, Minneapolis, Minn. Filed Apr. 5, 1926.

CHIEFTAIN

Particular description of goods.—Overalls, Overall Suits, Shirts, and Pants.
Claims use since Dec. 21, 1925.

Ser. No. 229,719. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARLINGTON PAINT AND VARNISH CO., Canton, Ohio. Filed Apr. 6, 1926.

Apavaco White
WILL DO THE JOB RIGHT

Exclusive use of the words "White" and "Will do the Job Right" is not claimed apart from the mark shown.
Particular description of goods.—Ready-Mixed Paints.
Claims use since Mar. 24, 1926.

Ser. No. 229,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM FRANK, doing business as Jefferson Flour & Feed Mill, Jefferson, Wis. Filed Apr. 6, 1926.

ROSE COMB

Particular description of goods.—Poultry Feed.
Claims use since Dec. 1, 1925.

Ser. No. 229,741. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH P. LE MAY, North Providence, R. I. Filed Apr. 6, 1926.

J.P.L.

Particular description of goods.—Salve for Cuts, Burns, Piles, Scalds, Blood Poison, Sore Throat, Croup, and Pain and Swelling of the Joints.
Claims use since on or about Jan. 1, 1926.

Ser. No. 229,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWERSOCK MILLS & POWER CO., doing business as The Jenny Wren Company, Lawrence, Kans. Filed Apr. 7, 1926.

Jenny Wren

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Mar. 29, 1926.

Ser. No. 229,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMER CANDY COMPANY, INC., New Orleans, La. Filed Apr. 7, 1926. Under 10-year proviso.

INDIAN ROOT

Particular description of goods.—Cough Drops.
Claims use since 1880.

Ser. No. 229,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN S. PHILSTROM, Theodore, Ala. Filed Apr. 7, 1926.

SORYE

Particular description of goods.—Beverage Composed of Soy Beans and Rye.
Claims use since January, 1925.

Ser. No. 229,828. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. SCHWEIKARTH, Trafford, Pa. Filed Apr. 7, 1926.

William H. Schweikarth

The mark consists of the facsimile of applicant's signature.

Particular description of goods.—Healing Salves.
Claims use since Nov. 3, 1925.

Ser. No. 229,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE C. WILSON, doing business as The Wilson Chemical Company, Tyrone, Pa. Filed Apr. 7, 1926.

PERSIAN GARDEN

Particular description of goods.—Toilet Preparations—Namely, Cold Cream, Vanishing Cream, Face Powder, Rose Cream Lotion, Olive Shampoo, Honey and Almond Cream, Quinine Hair Tonic, Lilac Toilet Water, and Lemon Lotion.
Claims use since June 1, 1905.

Ser. No. 229,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. BROOKS, Jr., Varner, Ark. Filed Apr. 8, 1926.

The lining in the drawing represents the color gold.
Particular description of goods.—Sarsaparilla Compound, Iodide Potassium, Female Tonic; a Kidney, Liver, Spleen, and Bladder Medicine; Dyspepsia, Blood, and Nerve Tonic; Hair Tonic, Liquid Laxatives, Powdered Laxatives, Sweet and Bitter Chill Tonic, Liniment, Cough Medicine, Baby Teething and Diarrhea Medicine, Sweet Quinine for Children, Diarrhea and Colic Medicine, Liquid Worm Exterminator; Headache and Fever Preparation, Vapor Salve for Pneumonia and Colds, Menthol Cream for Skin Irritations; Ointment for Itch, Piles, Sores, and Like Ailments; Eye Tonic for Sore Eyes, Salve for Sore Eyes, Liver Pills for Constipation, Laxative Quinine Tablets for La Grippe and Colds, Aspirin Tablets, Vital Compound Tablets for Nerve and Sexual Debility (Aphrodisiac), Castor Oil and Salts, Dry Quinine Powder, and Laxative Chewing Gum for Constipation.
Claims use since Mar. 27, 1926.

Ser. No. 229,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANN G. LEARY, Lowell, Mass. Filed Apr. 8, 1926.

No claim is made to the words "All Around Cream" apart from the mark shown.
Particular description of goods.—Toilet Cream.
Claims use since Jan. 1, 1924.

Ser. No. 229,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAISON D'OR, INCORPORATED, New York, N. Y. Filed Apr. 8, 1926.

FLEUR D'OR

Maison d'Or

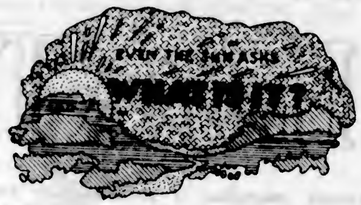
Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Rouges.
Claims use since about Oct. 1, 1925.

Ser. No. 229,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGANS RESTORATIVE FOOD CORPORATION, New York, N. Y. Filed Apr. 8, 1926.

ORGO-RESTO

"Orgo-Resto."
Particular description of goods.—Pharmaceutical Preparation Composed of Vital-Organ Substances, Such as the Heart, Brain, Liver, Kidneys, Stomach, Which is an Organ's Substance Food to Feed or Nourish These Undernourished or Exhausted Organs.
Claims used since Jan. 25, 1926.

Ser. No. 229,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE HILL CANDY CO., St. Louis, Mo. Filed Apr. 9, 1926.



Color is not a material part of applicant's mark, hence it is disclaimed.
Particular description of goods.—Candies.
Claims use since July 6, 1925.

Ser. No. 229,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Apr. 9, 1926.

Futuristic Plaids

No claim is made to the use of the word "Plaids" separate and apart from the mark shown.
Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since Dec. 16, 1925.

Ser. No. 229,970. (CLASS 39. CLOTHING.) JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 10, 1926.

Kaytex

Particular description of goods.—Hosiery for Men, Women, and Children, Made of Silk, Artificial Silk, Cotton, Lisle, and Combinations Thereof, Fabric Gloves, and Knitted or Textile Underwear.
Claims use since Jan. 1, 1926.

Ser. No. 229,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) REILLY WHITEMAN COMPANY, Conshohocken, Pa. Filed Apr. 10, 1926.

BELTUG

Particular description of goods.—Belt Dressing.
Claims use since about Mar. 15, 1926.

Ser. No. 230,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURICE DARMSTADTER, Chicago, Ill. Filed Apr. 12, 1926.

I SCREAM SANDWICH

No claim is made to the word "Sandwich" except in the association shown.
Particular description of goods.—Candy Bars.
Claims use since September, 1925.

Ser. No. 230,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HORST H. HEMPEL, New York, N. Y. Filed Apr. 12, 1926.

AMOR

Particular description of goods.—Face Creams.
Claims use since Feb. 24, 1926.

Ser. No. 230,052. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. A. SEXAUER MFG. CO., INC., New York, N. Y. Filed Apr. 12, 1926.

BALLOON

Particular description of goods.—Tank Bulbs.
Claims use since Feb. 19, 1925.

Ser. No. 230,090. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE DAVIES-YOUNG SOAP CO., Dayton, Ohio. Filed Apr. 13, 1926.

DYSOLVO

Particular description of goods.—Collar and Cuff Soap.
Claims use since Mar. 8, 1926.

Ser. No. 230,104. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANK S. MAGGIORE, doing business as Peerless Sales Company, Brooklyn, N. Y. Filed Apr. 13, 1926.

TRADE PESACO MARK
QUALITY REIGNS SUPREME

No claim is made to the words "Trade-Mark" and "Quality Reigns Supreme" apart from the mark as shown.
Particular description of goods.—Hair Nets.
Claims use since Mar. 1, 1926.

Ser. No. 230,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Apr. 13, 1926.

REPCO

"Repco."
Particular description of goods.—Dye and Heel, Edge, and Shank Ink Used in the Manufacture and Repair of Boots and Shoes.
Claims use since July, 1921.

Ser. No. 230,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. B. FUNSTON, San Francisco, Calif. Filed Apr. 14, 1926.

Kil-itch

Particular description of goods.—Preparation for Treating Irritations of the Skin.
Claims use since Feb. 1, 1926.

Ser. No. 230,189. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PACIFIC TRI-STATES DISTRIBUTING CO., Portland, Oreg. Filed Apr. 14, 1926.

Sun Ban

Particular description of goods.—Antiseptic Liquid Soap.
Claims use since Apr. 5, 1926.

Ser. No. 230,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUERLAIN PERFUMERY CORPORATION OF NEW YORK, New York, N. Y. Filed Apr. 15, 1926.

SHALIMAR

Particular description of goods.—Perfumes.
Claims use since Apr. 3, 1926.

Ser. No. 230,264. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Apr. 15, 1926.

KENMORE

Particular description of goods.—Table Salt and Roach Powder.
Claims use since 1920.

Ser. No. 230,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAI LUBK, Cleveland, Ohio. Filed Apr. 16, 1926.

FLORA-T

Particular description of goods.—Remedy for the Treatment of Nervousness, Dizziness, and Epilepsy.
Claims use since Mar. 31, 1926.

Ser. No. 230,303. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 16, 1926.

FRENCHEF

Particular description of goods.—Certified Food Colors.
Claims use since Feb. 3, 1926.

Ser. No. 230,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 16, 1926.

Particular description of goods.—Certified Food Colors.
Claims use since Feb. 3, 1926.

Ser. No. 230,317. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. D. SEARLE & CO. INC., also doing business as G. D. Searle & Co., Chicago, Ill. Filed Apr. 16, 1926.

MINERASAL

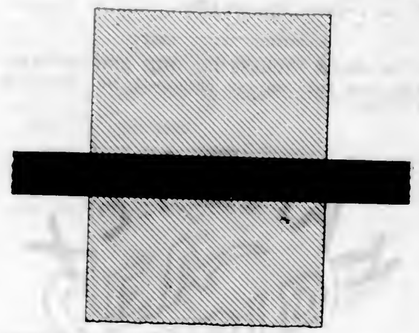
Particular description of goods.—Effervescent Salt for Remineralization of the Blood.
Claims use since Feb. 15, 1906.

Ser. No. 230,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAURA W. HOLLINGSWORTH, doing business as The Garlette Products Co., Indianapolis, Ind. Filed Apr. 17, 1926.

Garglette

Particular description of goods.—Liquid Antiseptic, Anæsthetic, Astringent, and Deodorant, Particularly Useful as a Throat, Nose, and Mouth Wash.
Claims use since July 1, 1923.

Ser. No. 230,349. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE COMPANY, Chicago, Ill. Filed Apr. 17, 1926.



The shading in the drawing is to indicate colors. The solid black indicates a black band intermediate the edges of the mark, and the diagonal lines indicate green. The mark comprises the characteristic green crepe paper and black band effect given to the wrapping, and the drawing therefor shows in a single plane the projections of the several faces of the wrapped cake of soap.
Particular description of goods.—Toilet and Shaving Soaps.
Claims use since June, 1899.

Ser. No. 230,364. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPENCER PERFUME COMPANY, South Bend, Ind., doing business as Merice, New York, N. Y. Filed Apr. 17, 1926.

MERICE

Particular description of goods.—Face Powders, Face Creams, Face Packs, Vanishing Creams, Cosmetic Lotions, Rouges, Lip Sticks, Perfumes, Toilet Waters, Scalp Tonics, Shampoo, Hair Oil, Mouth Washes, Tooth Pastes, Nail Polishes, Eyebrow Pencils, Sachets, Smelling Salts, Dentifrices, and Incense.
Claims use since Mar. 7, 1922.

Ser. No. 230,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPENCER PERFUME COMPANY, South Bend, Ind., doing business as Veritas, New York, N. Y. Filed Apr. 17, 1926.

VERITAS

"Veritas."
Particular description of goods.—Face Powders, Face Creams, Face Packs, Vanishing Creams, Cosmetic Lotions, Rouges, Lip Sticks, Perfumes, Toilet Waters, Scalp Tonics, Shampoo, Hair Oil, Mouth Washes, Tooth Pastes, Nail Polishes, Eyebrow Pencils, Sachets, Smelling Salts, Dentifrices, and Incenses.
Claims use since Mar. 7, 1922.

Ser. No. 230,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS J. BALLARD, Lawrenceburg, Ky. Filed Apr. 19, 1926. Under 10-year proviso.

Lawreline

Particular description of goods.—Medicinal Lotion for External Use for the Treatment of Sunburn, Tan, Freckles, and Chapped Hands, Lips, and Roughness of the Skin.
Claims use since Jan. 1, 1890.

Ser. No. 230,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Apr. 19, 1926.

R-13

Particular description of goods.—Silicate of Soda.
Claims use since on or about Mar. 26, 1926.

Ser. No. 230,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GROSSMAN DRUG COMPANY, Cleveland Heights and Cleveland, Ohio. Filed Apr. 19, 1926.

EGG-COD-MOL

Particular description of goods.—Constructive Tonic Medicine.
Claims use since Dec. 1, 1925.

Ser. No. 230,398. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LILLY M. JOHNSON, Greenwich, Conn. Filed Apr. 19, 1926.

SUDOLA

Particular description of goods.—Liquid Cleaning and Polishing Compound Adapted to be Mixed With Water to Provide a Solution for Cleaning Silverware.
Claims use since Apr. 1, 1926.

Ser. No. 230,418. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHESTER A. SEASE, Harrisburg, Pa. Filed Apr. 19, 1926.

NOKORO

Particular description of goods.—Corrosive-Preventing Liquid Composition.
Claims use since Mar. 16, 1925.

Ser. No. 230,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. TOSSE & CO., INC., New York, N. Y. Filed Apr. 19, 1926.

EKZEBROL

Particular description of goods.—Preparation for the Treatment of Eczema and Diseases of the Skin, Administered Intravenously.
Claims use since Mar. 10, 1926.

Ser. No. 230,484. (CLASS 33. GLASSWARE.) HOLOPHANE GLASS COMPANY, INC., New York, N. Y. Filed Apr. 21, 1926.

REFRACTICON

Particular description of goods.—Prismatic Glass Globes, Reflectors, and Plates.
Claims use since Apr. 1, 1926.

Ser. No. 230,505. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE WAVERLY COMPANY, Minneapolis, Minn. Filed Apr. 21, 1926.

PROLAXIS

Particular description of goods.—Dental Floss and Pyorrhea Tape.
Claims use since Apr. 16, 1926.

Ser. No. 230,550. (CLASS 15. OILS AND GREASES.) KARCHMER OIL COMPANY, Springfield, Mo. Filed Apr. 22, 1926.

KARETEX

Particular description of goods.—Petroleum Products—Namely, Gasoline, Kerosene or Light Oils, Motor Oils, Distillate, or Fuel Oil.
Claims use since Mar. 5, 1926.

Ser. No. 230,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. J. MCCANN PACKING CO., Los Angeles, Calif. Filed Apr. 22, 1926.

Dynamite
THE POWER OF QUALITY

Applicant disclaims the word "Brand" and "The Power of Quality" except in precise relation and association in which they appear.
Particular description of goods.—Fresh Grapes, Fresh Citrous Fruits—Namely, Oranges; Fresh Melons—Namely, Cantaloupes, Honey Dew, and Casabas; Fresh Vegetables—Namely, Lettuce, Cauliflower, and Peas.
Claims use since July, 1925.

Ser. No. 230,562. (CLASS 15. OILS AND GREASES.) DU VAL MOORE & CO., San Francisco, Calif. Filed Apr. 22, 1926.

BUTTERFLY KEROSENE
蝶蝶蚊

美國上等火油
REFINED OIL CALIFORNIA

Applicant disclaims exclusive use of the words "Kerosene" and "Refined California Oil." The Chinese characters above the circle and below the words "Butterfly Kerosene" translated read "Butterfly Brand." The Chinese characters within the circle and above the butterfly symbol translated read: "Best American Oil." Applicant disclaims "Brand" and "Best American Oil" as so translated.
Particular description of goods.—Kerosene, Gasoline, Lubricating Oil.
Claims use since 1922.

Ser. No. 230,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEA PRIDE CANNING CO., Monterey, Calif. Filed Apr. 22, 1926.

SEA PRIDE

Particular description of goods.—Sardines.
Claims use since Jan. 2, 1926.

Ser. No. 230,602. (CLASS 39. CLOTHING.) WEILL & HARTMANN, New York, N. Y. Filed Apr. 22, 1926.

Millisen
Modes

No claim is made to the word "Modes" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' and Misses' Hats, Dresses, Coats, Suits, Hosiery, and Silk and Woolen Underwear—Namely, Chemise, Step-Ins, Slips, Petticoats, and Bloomers.
Claims use since Mar. 15, 1926.

Ser. No. 230,603. (CLASS 39. CLOTHING.) WEILL & HARTMANN, New York, N. Y. Filed Apr. 22, 1926.

Dolores
Modes

No claim is made to the word "Modes" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' and Misses' Hats, Dresses, Coats, Suits, Hosiery, and Silk and Woolen Underwear—Namely, Chemise, Step-Ins, Slips, Petticoats, and Bloomers.
Claims use since Mar. 15, 1926.

Ser. No. 230,610. (CLASS 15. OILS AND GREASES.) BEACON OIL COMPANY, Boston, Mass. Filed Apr. 23, 1926.

SERENE

Particular description of goods.—Lubricating Oils and Automobile Lubricants.
Claims use since Apr. 12, 1926.

Ser. No. 230,701. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WHEELING MACHINE PRODUCTS CO., Wheeling, W. Va. Filed Apr. 24, 1926.

X

Particular description of goods.—Pipe Couplings and Nipples.
Claims use since Mar. 31, 1926.

Ser. No. 230,757. (CLASS 25. LOCKS AND SAFES.) THE MOSLER LOCK COMPANY, Covington, Ky. Filed Apr. 26, 1926.

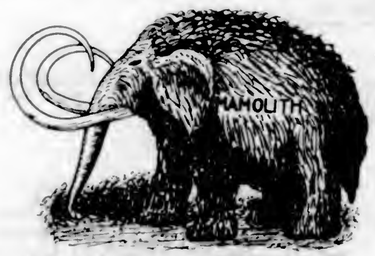
5700

"5700."

Particular description of goods.—Locks, Particularly Locks for Safety Deposit Boxes.

Claims use since Nov. 28, 1922.

Ser. No. 230,794. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed Apr. 27, 1926.



Particular description of goods.—Ready-Mixed Paints and Paint Enamels.

Claims use since Nov. 19, 1894.

Ser. No. 230,855. (CLASS 39. CLOTHING.) MAURICE TOLSTOI, doing business as Original "Alex" Original, Washington, D. C. Filed Apr. 28, 1926.

Original "ALEX" *Original*

"Original 'Alex' Original."

Particular description of goods.—Men's, Youths', and Boys' Suits, Coats, Vests, Trousers, Overcoats, Scarfs, Mackinaws, Cravats, Neckties, Jumpers, Overalls, Ulsters, Mufflers, Dress, Negligee, and Work Shirts, and Nightshirts; Men's, Women's, and Children's Bath Robes, Bathing Suits, Sweaters, Pyjamas, Raincoats, Sport Coats, Garters, Dusters, and Knitted and Woven Underwear; Ladies', Misses', and Children's Coats, Suits, Cloaks, Shirt Waists, Outer Skirts, Underskirts, Aprons, Bibs, Bloomers, Nightgowns, Wristbands, and Fur Coats, Jackets, Capes, Muffs, Neck Pieces, and Head and Shoulder Scarfs; Ladies' and Misses' Corsets, Brassières, Corset Waists, Camisoles, Chemises, Bodices, Dresses, Kimonos, Wrappers, Boas, and Shawls; Belts for Personal Wear; Boots and Shoes of Leather, Rubber, or Fabric or of Combinations of These Materials; and Gloves of Leather or Fabric or of Combinations of Leather and Fabric.

Claims use since 1924.

Ser. No. 230,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLWAY-ANNAN COMPANY, Washington, D. C. Filed Apr. 29, 1926.

KALADONS

Particular description of goods.—Preparation Employed as an Alterative in Treating Blood Affections, Syphilis, and Kindred Ailments.

Claims use since Jan. 1, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 1, 1926.

213,492. CANNED VEGETABLES—NAMELY, BEANS, CORN, PEAS, TOMATOES, BEETS, AND ASPARAGUS; CANNED FRUITS—NAMELY, PEACHES AND APRICOTS; SALMON, AND PORK AND BEANS. INDIANAPOLIS FANCY GROCERY CO., Indianapolis, Ind.
Filed January 30, 1926. Serial No. 226,655. PUBLISHED MARCH 16, 1926.

213,493. CANNED SALMON. ROUNDUP GROCERY COMPANY, Spokane, Wash.
Filed January 30, 1926. Serial No. 226,689. PUBLISHED MARCH 16, 1926.

213,494. MEN'S DRESS SHIRTS. W. P. ROWELL & SON INC., Worcester, Mass.
Filed February 4, 1926. Serial No. 226,868. PUBLISHED MARCH 16, 1926.

213,495. BLOOMERS. D. W. KAATZE CO. INC., Brooklyn, N. Y.
Filed January 30, 1926. Serial No. 226,659. PUBLISHED MARCH 16, 1926.

213,496. PANTS, OVERALLS, APRON OVERALLS, AND JACKETS. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y.
Filed January 29, 1926. Serial No. 226,607. PUBLISHED MARCH 16, 1926.

213,497. ARCTICS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed January 23, 1926. Serial No. 226,276. PUBLISHED MARCH 9, 1926.

213,498. SILK PIECE GOODS. ERNEST A. RIEGER, New York, N. Y.
Filed January 21, 1926. Serial No. 226,211. PUBLISHED MARCH 16, 1926.

213,499. MEN'S TEXTILE FABRIC UNION SUITS AND UNDERWEAR. CYRUS M. WALKER, Kansas City, Mo.
Filed January 20, 1926. Serial No. 226,179. PUBLISHED MARCH 16, 1926.

213,500. CORSETS, BRASSIÈRES, GIRDLES, BANDEAUX, CORSET WAISTS, CAMISOLES, COMBINATIONS OF BRASSIÈRES AND OTHER GARMENTS, AND WOMEN'S, MISSES', AND CHILDREN'S WOVEN AND KNITTED UNDERWEAR. AMERICAN LADY CORSET CO., Detroit, Mich.
Filed January 18, 1926. Serial No. 226,034. PUBLISHED MARCH 9, 1926.

213,501. LADIES' HATS. ABE N. ADELSON, INC., New York, N. Y.
Filed January 13, 1926. Serial No. 225,856. PUBLISHED MARCH 2, 1926.

213,502. SHOES FOR MEN, WOMEN, AND CHILDREN, OF LEATHER, RUBBER, OR FABRIC, AND COMBINATIONS OF THESE MATERIALS. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed January 11, 1926. Serial No. 225,798. PUBLISHED MARCH 2, 1926.

213,503. FABRIC GLOVES AND COMBINATION FABRIC AND LEATHER GLOVES. HUGH M. SMALTZ, Marion, Ind.
Filed January 8, 1926. Serial No. 225,683. PUBLISHED MARCH 2, 1926.

213,504. LEATHER BOOTS AND SHOES. HELMHOLZ SHOE MANUFACTURING COMPANY, Cudahy, Wis.
Filed January 8, 1926. Serial No. 225,659. PUBLISHED MARCH 2, 1926.

213,505. LEATHER BOOTS AND SHOES. HELMHOLZ SHOE MANUFACTURING COMPANY, Cudahy, Wis.
Filed January 8, 1926. Serial No. 225,658. PUBLISHED MARCH 2, 1926.

213,506. COFFEE. WILSON COFFEE CO., Fort Smith, Ark.
Filed January 30, 1926. Serial No. 226,704. PUBLISHED MARCH 16, 1926.

213,507. INFANTS' WEAR—VIZ, BOOTEES, JACKETS, DRESSES, SHIRTS, COATS, CAPS, HATS, DRAWERS, AND MITTENS. JAMES A. HEARN & SON INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,589. PUBLISHED MARCH 23, 1926.

213,508. DEVICE FOR PRACTICING PUTTING FOR THE GAME OF GOLF. WILLIAM PERCY DEAN, Eldon, James Lane, Burgess Hill, Sussex, England.
Filed June 30, 1925. Serial No. 216,669. PUBLISHED MARCH 23, 1926.

213,509. DRIED RAISINS AND FIGS. L. H. DAVIS & COMPANY, Fresno, Calif.
Filed July 1, 1925. Serial No. 216,714. PUBLISHED MARCH 23, 1926.

213,510. SHOES, SLIPPERS, AND BOOTS OF LEATHER, RUBBER, FABRIC, LEATHER AND RUBBER, LEATHER AND FABRIC, OR RUBBER AND FABRIC; OVERSHOES, SPATS, HEELS, AND SHOE FINDINGS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed July 8, 1925. Serial No. 217,038. PUBLISHED MARCH 16, 1926.

213,511. FUEL OILS AND LUBRICATING OILS. ALFRED T. LOCKE, Chicago, Ill.
Filed December 14, 1925. Serial No. 224,668. PUBLISHED MARCH 2, 1926.

213,512. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed December 12, 1925. Serial No. 224,591. PUBLISHED MARCH 16, 1926.

213,513. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed December 12, 1925. Serial No. 224,590. PUBLISHED MARCH 16, 1926.

213,514. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed December 12, 1925. Serial No. 224,589. PUBLISHED MARCH 16, 1926.

213,515. BUTTER AND CHEESE. ALDERNEY DAIRY COMPANY, Newark, N. J.
Filed December 15, 1925. Serial No. 224,689. PUBLISHED MARCH 16, 1926.

213,516. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed December 12, 1925. Serial No. 224,588. PUBLISHED MARCH 16, 1926.

213,517. CONFECTION PREPARED FROM SUGAR, BUTTER, NUTS, RAISINS, AND FLAVORING MATERIAL, FORMING A PASTE FOR USE AS A SPREAD. T. & A. SALES & MFG. CO., INC., Kingston, N. Y.
Filed October 15, 1925. Serial No. 221,788. PUBLISHED MARCH 23, 1926.

213,518. RICE. ROBERT E. PUTNAM, New Iberia, La. Filed September 26, 1925. Serial No. 220,866. PUBLISHED MARCH 16, 1926.

213,519. FLAVORING FILLING FOR CAKES AND DESSERTS. ETHEL M. HATHERLEY, Chicago, Ill. Filed December 11, 1925. Serial No. 224,561. PUBLISHED MARCH 16, 1926.

213,520. LARD AND MEATS (DRY SALT FATBACKS, DRY SALT CLEAR BELLIES, DRY SALT CLEAR BACKS, DRY SALT CLEAR MIDDLES, DRY SALT AND SWEET PICKLED PICNICS, DRY SALT AND SWEET PICKLED SHOULDERS, DRY SALT AND SWEET PICKLED HAMS, DRY SALT CLEAR PLATES, DRY SALT REGULAR PLATES, PICKLED PORK LOINS, DRY SALT RIB BELLIES, DRY SALT JOWLS, PORK LIVERS, DRESSED HOGS, AND PORK OFFAL). AMERICAN PROVISIONS EXPORT COMPANY, Chicago, Ill.
Filed December 8, 1925. Serial No. 224,371. PUBLISHED MARCH 23, 1926.

213,521. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky. Filed December 12, 1925. Serial No. 224,587. PUBLISHED MARCH 16, 1926.

213,522. LUBRICATING OILS AND GREASES. HANCOCK REFINING CO., Long Beach, Calif. Filed November 30, 1925. Serial No. 224,020. PUBLISHED MARCH 9, 1926.

213,523. FOODS FOR COWS, PIGS, SHEEP, HORSES, POULTRY, AND CAGE BIRDS. NORTH SHORE MILL COMPANY LD., Liverpool, England. Filed November 19, 1925. Serial No. 223,540. PUBLISHED MARCH 2, 1926.

213,524. WORK GARMENTS—NAMELY, OVERALLS, COMBINATION SUITS, WORK SHIRTS, WORK PANTS, AND COATS. W. M. FINCK AND COMPANY, Detroit, Mich. Filed December 2, 1925. Serial No. 224,084. PUBLISHED MARCH 23, 1926.

213,525. SCRATCH FOOD FOR POULTRY. JOSEPH GROSSMAN, doing business as Kasdum Company, Steubenville, Ohio. Filed December 15, 1925. Serial No. 224,704. PUBLISHED MARCH 16, 1926.

213,526. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed December 26, 1924. Serial No. 207,234. PUBLISHED MARCH 16, 1926.

213,527. CLOTHING FOR OUTER AND UNDER WEAR, HATS, AND SHOES FOR MEN AND BOYS. BROKAW BROTHERS, New York, N. Y. Filed October 9, 1925. Serial No. 221,476. PUBLISHED MARCH 23, 1926.

213,528. CANDY. DETROIT CANDY COMPANY, Detroit, Mich. Filed October 16, 1925. Serial No. 221,809. PUBLISHED MARCH 23, 1926.

213,529. BABY CHICKS. ERNEST W. ENGSTROM, doing business as Kent Hatchery, Kent, Wash. Filed December 1, 1925. Serial No. 224,133. PUBLISHED MARCH 23, 1926.

213,530. INFANTS' WEAR—VIZ, BOOTEES, JACKETS, DRESSES, SHIRTS, COATS, CAPS, HATS, DRAWERS, AND MITTENS. JAMES A. HEARN & SON, INC., New York, N. Y. Filed January 24, 1925. Serial No. 208,590. PUBLISHED MARCH 23, 1926.

213,531. TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, TUBE AND FLUE BEADING TOOLS. GUSTAV WIEDEKE CO., Dayton, Ohio. Filed February 2, 1925. Serial No. 209,013. PUBLISHED MARCH 16, 1926.

213,532. COFFEE SUBSTITUTE. CALIFORNIA HEALTH FOOD CO., Los Angeles, Calif. Filed February 5, 1925. Serial No. 209,119. PUBLISHED MARCH 23, 1926.

213,533. CANNED CHERRIES AND CANNED PEACHES. UNITED STATES STORES CORPORATION, Orange, N. J. Filed June 23, 1925. Serial No. 216,305. PUBLISHED MARCH 23, 1926.

213,534. DRIED FRUITS—NAMELY, RAISINS, PEARS, APRICOTS, PRUNES, PEACHES, FIGS, AND NECTARINES. INDERRIEDEN CANNING CO., Chicago, Ill. Filed June 25, 1925. Serial No. 216,395. PUBLISHED MARCH 23, 1926.

213,535. FRESH AND CANNED FRUITS. LAKEVIEW FRUIT CO., Union City, N. J., and Lakeview, N. C. Filed June 27, 1925. Serial No. 216,550. PUBLISHED MARCH 23, 1926.

213,536. LUBRICATING OILS AND GREASES, PARTICULARLY PETROLEUM PRODUCT OILS AND GREASES. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed June 29, 1925. Serial No. 216,637. PUBLISHED SEPTEMBER 15, 1925.

213,537. HATS FOR WOMEN AND CHILDREN. THE HART & COMPANY, Cleveland, Ohio. Filed October 21, 1925. Serial No. 222,068. PUBLISHED MARCH 16, 1926.

213,538. MALT SIRUP FOR FOOD PURPOSES. VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis. Filed November 16, 1925. Serial No. 223,423. PUBLISHED MARCH 16, 1926.

213,539. CORSETS, BRASSIÈRES, AND CORSET WAISTS AND FOR WAISTS AND UNDERWEAR MADE OF TEXTILE MATERIAL FOR BOTH SEXES, CHILDREN AND ADULTS. FERRIS BROS. CO., Newark, N. J. Filed October 23, 1925. Serial No. 222,172. PUBLISHED MARCH 9, 1926.

213,540. SPECTACLES, SPECTACLE FRAMES, AND PARTS THEREOF. BOSBROW OPTICAL MFG. CO., INC., Brooklyn, N. Y. Filed November 2, 1925. Serial No. 222,659. PUBLISHED MARCH 16, 1926.

213,541. CLOTHING—NAMELY, FUR COATS FOR MEN, WOMEN, AND CHILDREN, SUCH AS SHEEPSKIN COATS. ROBITSHEK-ROBBINS CO., Minneapolis, Minn. Filed November 6, 1925. Serial No. 222,944. PUBLISHED MARCH 16, 1926.

213,542. LADIES' HATS. SELF SERVICE MILLINERY STORES, INC., Woodhaven, N. Y. Filed November 13, 1925. Serial No. 223,259. PUBLISHED MARCH 16, 1926.

213,543. COTTON TEXTILE FABRICS. NEUPAKAER BAUMWOLLSPINNEREI & WEBEREI GOTTLIEB SCHNABEL, Nova Paka, Czechoslovakia. Filed July 6, 1925. Serial No. 216,925. PUBLISHED MARCH 16, 1926.

213,544. SHOES, SLIPPERS, AND BOOTS OF LEATHER, RUBBER, FABRIC, LEATHER AND RUBBER, LEATHER AND FABRIC, OR RUBBER AND FABRIC; OVERSHOES, SPATS, HEELS, AND SHOE FINDINGS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS. I. MILLER & SONS, INC., Long Island City, N. Y. Filed July 8, 1925. Serial No. 217,036. PUBLISHED MARCH 16, 1926.

213,545. JELLY, FRUIT PRESERVES, MUSTARD, CATCHUP, APPLE BUTTER, SALAD OIL, HORSERADISH, CIDER VINEGAR, WHITE DISTILLED VINEGAR, AMBER VINEGAR, WINE VINEGAR, SWEET PICKLES, SWEET MIXED PICKLES, DILL PICKLES, SOUR PICKLES. PENN VINEGAR COMPANY, Pittsburgh, Pa. Filed July 14, 1925. Serial No. 217,359. PUBLISHED MARCH 16, 1926.

213,546. CANDY. GOLD BRAND CONFECTIONERY INC., Boston, Mass. Filed July 18, 1925. Serial No. 217,556. PUBLISHED OCTOBER 6, 1925.

213,547. FRESH FRUIT — NAMELY, FRESH PEACHES. ATLANTIC ORCHARD CORPORATION, Montezuma, Ga., and New York, N. Y. Filed August 3, 1925. Serial No. 218,262. PUBLISHED MARCH 23, 1926.

213,548. LUBRICATING OILS AND GREASES. QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa. Filed September 11, 1925. Serial No. 220,138. PUBLISHED NOVEMBER 10, 1925.

213,549. HOSIERY AND SILK UNDERWEAR. WALTER P. BROWN, New Haven, Conn. Filed September 18, 1925. Serial No. 220,392. PUBLISHED MARCH 16, 1926.

213,550. TOBACCO PIPES. ALBERT FREEMAN, New York, N. Y. Filed October 1, 1925. Serial No. 221,052. PUBLISHED MARCH 16, 1926.

213,551. MEDICINAL PREPARATION FOR THE TREATMENT OF OBESITY. FRANCES BROWN, doing business as Silph Medical Company, New York, N. Y. Filed October 8, 1925. Serial No. 221,405. PUBLISHED FEBRUARY 2, 1926.

213,552. EXPANDING MANDRELS AND REAMERS. HARRY S. WATERMAN, Los Angeles, Calif. Filed February 3, 1925. Serial No. 209,071. PUBLISHED MARCH 23, 1926.

213,553. METALLIC MACHINERY PACKING FOR PACKING THE JOINTS ABOUT PACKING RODS IN VALVE GLANDS AND LIKE PARTS OF MECHANISM REQUIRING PACKING TO PREVENT ESCAPE OF LIQUIDS OR GASES. JOHN M. RYAN, doing business as Ryan-Metallic Ribbon Packing Co., Chicago, Ill. Filed September 5, 1925. Serial No. 219,914. PUBLISHED MARCH 23, 1926.

213,554. EGG BOILERS. WILLIAM L. DEMING, Salem, Ohio. Filed January 8, 1926. Serial No. 225,651. PUBLISHED MARCH 9, 1926.

213,555. BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, RUBBER, OR FABRIC. JAMES BRANCH & SONS, LIMITED, London, England. Filed January 8, 1926. Serial No. 225,661. PUBLISHED MARCH 16, 1926.

213,556. LUBRICATING OIL. JAMES MCCORD COMPANY, Fort Worth, Tex. Filed January 8, 1926. Serial No. 225,662. PUBLISHED MARCH 9, 1926.

213,557. KNITTED GARMENTS—NAMELY, SWEATERS. PALM KNITTING CO., INC., New York, N. Y. Filed October 5, 1921. Serial No. 153,771. PUBLISHED MAY 15, 1923.

213,558. KNITTED GARMENTS—NAMELY, SWEATERS. PALM KNITTING CO., INC., New York, N. Y. Filed October 5, 1921. Serial No. 153,773. PUBLISHED MAY 15, 1923.

213,559. BUTTER. MISTLETOE CREAMERIES, Fort Worth, Tex. Filed March 31, 1924. Serial No. 194,729. PUBLISHED MARCH 23, 1926.

213,560. WORK CLOTHING OR OUTER CLOTHING FOR MEN OR WOMEN—NAMELY, OVERALLS AND SHIRTS, MACKINAW COATS, LEATHER COATS AND VESTS, HIKING PANTS, RIDING BREECHES, COTTON PANTS, CHILDREN'S PLAY SUITS. COHN-GOLDWATER MANUFACTURING CO., Los Angeles, Calif. Filed October 25, 1924. Serial No. 204,158. PUBLISHED MARCH 16, 1926.

213,561. SUPPORTS FOR ARCHES AND OTHER PARTS OF THE FEET AND INNER SUPPORTING SOLES. THE E. Z. WALK ARCH CORPORATION, New York, N. Y. Filed January 20, 1925. Serial No. 208,333. PUBLISHED MARCH 23, 1926.

213,562. SUPPORTS FOR ARCHES AND OTHER PARTS OF THE FEET AND INNER SUPPORTING SOLES. THE E. Z. WALK ARCH CORPORATION, New York, N. Y. Filed January 20, 1925. Serial No. 208,334. PUBLISHED MARCH 23, 1926.

213,563. SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET AND INNER SUPPORTING SOLES. THE E. Z. WALK ARCH CORPORATION, New York, N. Y. Filed January 20, 1925. Serial No. 208,335. PUBLISHED MARCH 23, 1926.

213,564. SUPPORTS FOR ARCHES AND OTHER PARTS OF THE FEET AND INNER SUPPORTING SOLES. THE E. Z. WALK ARCH CORPORATION, New York, N. Y. Filed January 20, 1925. Serial No. 208,337. PUBLISHED MARCH 23, 1926.

213,565. BREAD. THE WARDROP CO., INC., New York, N. Y. Filed January 31, 1925. Serial No. 208,934. PUBLISHED MARCH 23, 1926.

213,566. BREAD. THE WARDROP CO., INC., New York, N. Y. Filed January 31, 1925. Serial No. 208,936. PUBLISHED MARCH 23, 1926.

213,567. BREAD. THE WARDROP CO., INC., New York, N. Y. Filed January 31, 1925. Serial No. 208,939. PUBLISHED MARCH 23, 1926.

213,568. TUBE AND FLUE EXPANDERS, TUBE AND FLUE CUTTERS, AND TUBE AND FLUE BEADING TOOLS. GUSTAV WIEDEKE CO., Dayton, Ohio. Filed June 22, 1925. Serial No. 216,245. PUBLISHED MARCH 23, 1926.

213,569. FOOD-FLAVORING EXTRACTS. KKK MEDICINE COMPANY, Keokuk, Iowa. Filed August 20, 1925. Serial No. 219,124. PUBLISHED MARCH 16, 1926.

213,570. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed February 10, 1926. Serial No. 227,103. PUBLISHED MARCH 23, 1926.

213,571. POMADE. CHESEBROUGH MANUFACTURING CO., (CONSOLIDATED), New York, N. Y. Filed February 1, 1926. Serial No. 226,713. PUBLISHED MARCH 23, 1926.

213,572. PIECE GOODS MADE OF SILK, WOOL, AND COTTON. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed February 11, 1926. Serial No. 227,174. PUBLISHED MARCH 23, 1926.

213,573. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS. MARECHAL, RUCHON & CO., LIMITED, London, England. Filed February 16, 1926. Serial No. 227,361. PUBLISHED MARCH 23, 1926.

213,574. TROUT FLIES AND LEADERS. THE GEORGE TRITCH HARDWARE COMPANY, Denver, Colo. Filed December 16, 1925. Serial No. 224,757. PUBLISHED MARCH 23, 1926.

213,575. BEER. REISCH BREWING COMPANY, Springfield, Ill. Filed December 18, 1925. Serial No. 224,881. PUBLISHED MARCH 23, 1926.

213,576. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS, EXTRACTS, AND FLAVORS USED IN THE PREPARATION OF SAME. THE HENNEY'S ORIGINAL FRUIT CUP CO., New Haven, Conn.
Filed December 19, 1925. Serial No. 224,913. PUBLISHED MARCH 23, 1926.

213,577. KNITTED UNDERWEAR FOR WOMEN AND CHILDREN. OTIS COMPANY, Ware and Three Rivers, Mass.
Filed December 21, 1925. Serial No. 224,986. PUBLISHED MARCH 23, 1926.

213,578. OUTER CLOTHING AND ACCESSORIES, UNDERWEAR, AND SHOES FOR MEN, WOMEN, AND CHILDREN. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed December 22, 1925. Serial No. 225,010. PUBLISHED MARCH 23, 1926.

213,579. BUTTONS MOLDED FROM PHENOLIC COMPOUNDS. AUBURN BUTTON WORKS INCORPORATED, Auburn, N. Y.
Filed December 24, 1925. Serial No. 225,101. PUBLISHED MARCH 16, 1926.

213,580. WASHBOILERS AND WASHTUBS. REED MANUFACTURING CO., Newark, N. Y.
Filed December 29, 1925. Serial No. 225,280. PUBLISHED MARCH 23, 1926.

213,581. TABLE GAME PLAYED WITH PIECES. GABRIEL PATRICK SENA, Gary, Ind.
Filed December 29, 1925. Serial No. 225,288. PUBLISHED MARCH 23, 1926.

213,582. WOMEN'S CLOTHING—NAMELY, CHEMISE, KNIT DRESSES, NIGHTGOWNS, KNEE BLOOMERS, KNITTED UNION SUITS, KNICKER BLOOMERS, UNDERVESTS, SHADOWPROOF SLIPS, PYJAMAS, UNDERSKIRTS AND STEP-INS. THOMAS C. MURPHY, Green Bay, Wis.
Filed December 30, 1925. Serial No. 225,314. PUBLISHED MARCH 23, 1926.

213,583. OIL COMPOSITION USED FOR LUBRICATING, SOLVENT, COATING, RUST CUTTING AND PREVENTING, SURFACE PRESERVING AND POLISHING. JOSEPH A. YOUNG, doing business as Daisy Products Company, Bellevue, Pa.
Filed December 30, 1925. Serial No. 225,336. PUBLISHED MARCH 23, 1926.

213,584. BAGGAGE, PARTICULARLY VALISES, SATCHELS, AND BAGS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed December 31, 1925. Serial No. 225,340. PUBLISHED MARCH 16, 1926.

213,585. CORSET WAISTS, PYJAMAS, ROMPERS, UNION SUITS (NOT KNITTED), BLOUSES, AND BLOOMERS OF THE UNDERWEAR TYPE. THE THOS. P. TAYLOR CO., Bridgeport, Conn.
Filed January 2, 1926. Serial No. 225,453. PUBLISHED MARCH 16, 1926.

213,586. GASOLINE, KEROSENE, AND OTHER LIQUID MOTOR FUEL. INDEPENDENT OIL AND GAS COMPANY, Tulsa, Okla.
Filed January 5, 1926. Serial No. 225,514. PUBLISHED MARCH 23, 1926.

213,587. AXLE GREASES, GEAR GREASES, AND LUBRICATING GREASES AND LUBRICATING AND FUEL OILS. INDEPENDENT OIL AND GAS COMPANY, Tulsa, Okla.
Filed January 5, 1926. Serial No. 225,515. PUBLISHED MARCH 23, 1926.

213,588. MATCHES—NAMELY, SAFETY MATCHES. LION MATCH CO., INC., New York, N. Y.
Filed January 7, 1926. Serial No. 225,614. PUBLISHED MARCH 16, 1926.

213,589. GASOLINE, KEROSENE, NAPHTHA, LUBRICATING OILS, AND LUBRICATING GREASES. TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y.
Filed January 7, 1926. Serial No. 225,626. PUBLISHED MARCH 23, 1926.

213,590. COTTON PIECE GOODS. THE DALLAS MANUFACTURING CO., Huntsville, Ala.
Filed April 1, 1925. Serial No. 211,986. PUBLISHED MARCH 23, 1926.

213,591. GLASS BOTTLES. SALEM GLASS WORKS Salem, N. J.
Filed May 29, 1925. Serial No. 215,116. PUBLISHED AUGUST 11, 1925.

213,592. GLASS BOTTLES. SALEM GLASS WORKS, Salem, N. J.
Filed May 29, 1925. Serial No. 215,117. PUBLISHED AUGUST 11, 1925.

213,593. REVOLVERS AND SHOTGUNS. JACQUES L. GALEF, New York, N. Y.
Filed August 15, 1925. Serial No. 218,912. PUBLISHED MARCH 23, 1926.

213,594. LAMP GLASSES AND GLOBES. MACBETH-EVANS GLASS COMPANY, Pittsburgh, Pa.
Filed November 11, 1925. Serial No. 223,129. PUBLISHED MARCH 23, 1926.

213,595. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD CO., New York, N. Y.
Filed November 13, 1925. Serial No. 223,238. PUBLISHED MARCH 23, 1926.

213,596. CHENILLE RUGS. LOUIS S. HENDERSON, Frankford, Philadelphia, Pa.
Filed December 8, 1925. Serial No. 224,408. PUBLISHED MARCH 23, 1926.

213,597. OLEOMARGARINE. SWIFT AND COMPANY, Chicago, Ill.
Filed December 21, 1925. Serial No. 224,995. PUBLISHED FEBRUARY 16, 1926.

213,598. PIPES. REISS-PREMIER PIPE CO., New York, N. Y.
Filed December 30, 1925. Serial No. 225,318. PUBLISHED MARCH 23, 1926.

213,599. WIRE ROPE. CABLE GUY STRAND. PACIFIC WIRE ROPE CO., Los Angeles, Calif.
Filed January 18, 1926. Serial No. 226,074. PUBLISHED MARCH 23, 1926.

213,600. FACE CREAMS, FACE POWDERS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. MATÉ, INC., Philadelphia, Pa.
Filed January 23, 1926. Serial No. 226,295. PUBLISHED MARCH 16, 1926.

213,601. FACE CREAMS, FACE POWDERS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. MATÉ, INC., Philadelphia, Pa.
Filed January 23, 1926. Serial No. 226,297. PUBLISHED MARCH 16, 1926.

213,602. CERTAIN NAMED BROAD CLOTH. THE ROBERTSON BLEACHERY & DYE WORKS, INC., New Milford, Conn.
Filed January 23, 1926. Serial No. 226,304. PUBLISHED MARCH 23, 1926.

213,603. SILK AND RAYON MIXED GOODS IN THE PIECE. THE HASKELL SILK CO., Westbrook, Me.
Filed January 29, 1926. Serial No. 226,587. PUBLISHED MARCH 23, 1926.

213,604. GENERAL TONICS. MUNYON REMEDY COMPANY, Scranton, Pa.
Filed January 29, 1926. Serial No. 226,593. PUBLISHED MARCH 16, 1926.

213,605. TEXTILE RUGS. HARDWICK & MAGEE COMPANY, Philadelphia, Pa.
Filed February 3, 1926. Serial No. 226,807. PUBLISHED MARCH 23, 1926.

213,606. ROAD GRADERS. HADFIELD-PENFIELD STEEL COMPANY, Bucyrus, Ohio.
Filed September 14, 1925. Serial No. 220,230. PUBLISHED MARCH 23, 1926.

213,607. RUBBER GASKETS FOR FRUIT JARS AND CANS. RED OWL STORES, INCORPORATED, Minneapolis, Minn.
Filed September 25, 1925. Serial No. 220,804. PUBLISHED MARCH 23, 1926.

213,608. POCKETKNIVES, SCISSORS, TABLE KNIVES AND FORKS OF BASE METAL, RAZORS, AND HAIR CLIPPERS. PAUL GIESEN, doing business as Giesen & Forsthoff, Solingen, Germany.
Filed October 3, 1925. Serial No. 221,224. PUBLISHED MARCH 23, 1926.

213,609. CUTLERY AND TOOLS. MAX SCHMIDT, doing business as Peter Ludwig Schmidt, Elberfeld, Germany.
Filed October 6, 1925. Serial No. 221,336. PUBLISHED MARCH 23, 1926.

213,610. AUTOMOBILE TRANSMISSION MECHANISM. STARR TRANSMISSION CORPORATION, Los Angeles, Calif.
Filed October 6, 1925. Serial No. 221,339. PUBLISHED MARCH 23, 1926.

213,611. SAFE COMBINATION KNOBS. BAKELITE CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,587. PUBLISHED MARCH 23, 1926.

213,612. CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed October 16, 1925. Serial No. 221,807. PUBLISHED MARCH 23, 1926.

213,613. VALVES FOR ICE MACHINES OR REFRIGERATION COMPRESSORS. AMERICAN CARBONIC MACHINERY CO., Wisconsin Rapids, Wis.
Filed October 30, 1925. Serial No. 222,556. PUBLISHED MARCH 23, 1926.

213,614. LADIES' AND MISSES' DRESSES, COATS, CLOAKS, AND SUITS. JULIA HOYT MODES, INC., New York, N. Y.
Filed November 6, 1925. Serial No. 222,926. PUBLISHED MARCH 2, 1926.

213,615. FERTILIZER. NITRATE AGENCIES COMPANY, New York, N. Y.
Filed November 11, 1925. Serial No. 223,134. PUBLISHED MARCH 23, 1926.

213,616. AIRCRAFT SPEED AND DISTANCE INDICATORS, AIRCRAFT SPEEDOMETERS, ELECTRIC TURN INDICATORS, ELECTRIC PITCH INDICATORS, ELECTRIC COMPASSES, ETC. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y.
Filed November 20, 1925. Serial No. 223,599. PUBLISHED MARCH 23, 1926.

213,617. SENSITIZED PHOTOGRAPHIC PRINTING PAPER. ARTPHO COMPANY, Pittsburgh, Pa.
Filed November 23, 1925. Serial No. 223,680. PUBLISHED MARCH 23, 1926.

213,618. PORTABLE TUBE REPAIR KITS AND FAN BELTS. ECONOMY TIRE CO., Oklahoma City, Okla.
Filed November 27, 1925. Serial No. 223,902. PUBLISHED MARCH 23, 1926.

213,619. COLLAPSIBLE-TUBE SQUIRT GUNS CONTAINING A FIRE-EXTINGUISHING CHEMICAL. ROY H. BROWNLEE, doing business as Old Faithful Company, Pittsburgh, Pa.
Filed December 3, 1925. Serial No. 224,177. PUBLISHED MARCH 23, 1926.

213,620. EGG MASH, CHICK FEED, CHICK STARTER, GROWING FEED, DEVELOPER FEED, AND SCRATCH FEED. KING MILLING CO., Lowell, Mich.
Filed December 10, 1925. Serial No. 224,518. PUBLISHED MARCH 23, 1926.

213,621. FLUE CLEANERS. THE PEROLIN COMPANY OF AMERICA, Chicago, Ill.
Filed December 12, 1925. Serial No. 224,619. PUBLISHED MARCH 23, 1926.

213,622. SELF-CONTAINED FIRE EXTINGUISHERS. THE BASTIAN-BLESSING COMPANY, Chicago, Ill.
Filed December 14, 1925. Serial No. 224,648. PUBLISHED MARCH 23, 1926.

213,623. TIN PLATE AND SOLDER. THE GEORGE TRITCH HARDWARE COMPANY, Denver, Colo.
Filed December 16, 1925. Serial No. 224,756. PUBLISHED MARCH 23, 1926.

213,624. SEMOLINAS, DURUM FEED, DURUM FLOUR, WHEAT OFFALS, RYE FEED, AND RYE FLOUR. COMMANDER MILL COMPANY, Minneapolis, Minn.
Filed December 21, 1925. Serial No. 224,956. PUBLISHED MARCH 23, 1926.

213,625. WASHBOILERS AND WASHTUBS. LISK MANUF'G. CO. LIMITED, Canandaigua, N. Y.
Filed December 29, 1925. Serial No. 225,270. PUBLISHED MARCH 23, 1926.

213,626. ALIGNING MACHINES FOR ALIGNING AND REGISTERING WEBS OF PAPER, ESPECIALLY SUPERPOSED WEBS HAVING PRINTED FORMS FOR MAKING MANIFOLD COPIES. GILMAN FANFOLD CORPORATION, LIMITED, Toronto, Ontario, Canada, and Niagara Falls, N. Y.
Filed December 30, 1925. Serial No. 225,301. PUBLISHED MARCH 23, 1926.

213,627. CHEESE. THE MCCRERY CREAMERY COMPANY, Urbana, Ohio.
Filed December 30, 1925. Serial No. 225,311. PUBLISHED MARCH 23, 1926.

213,628. BATTERY HYDROMETERS. JOSEPH STRAUSS COMPANY, INC., Buffalo, N. Y.
Filed January 13, 1926. Serial No. 225,895. PUBLISHED MARCH 23, 1926.

213,629. APRONS AND DRESSES. LIBERTY GARMENT COMPANY, Kansas City, Mo.
Filed January 15, 1926. Serial No. 225,961. PUBLISHED MARCH 23, 1926.

213,630. DOORSTOPS. SCOTT H. PERRY, Batavia, N. Y.
Filed January 15, 1926. Serial No. 225,966. PUBLISHED MARCH 23, 1926.

213,631. BAR STEEL. HORACE T. POTTS & CO., Philadelphia, Pa.
Filed January 15, 1926. Serial No. 225,973. PUBLISHED MARCH 23, 1926.

213,632. ELECTRICAL DEVICES FOR ASSISTING THE HEARING. AMERICAN ACOUSTIC CORPORATION, New York, N. Y.
Filed January 20, 1926. Serial No. 226,121. PUBLISHED MARCH 23, 1926.

213,633. OLEOMARGARINE. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co., St. Louis, Mo.
Filed January 20, 1926. Serial No. 226,172. PUBLISHED MARCH 23, 1926.

213,634. MIXED FEEDS, MIDDLINGS, BRAN, AND GROUND SCREENINGS. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed January 23, 1926. Serial No. 226,292. PUBLISHED MARCH 23, 1926.

213,635. TIRE PATCHES. RIDE-EM PATCH CO., Newark, N. J.
Filed January 23, 1926. Serial No. 226,303. PUBLISHED MARCH 9, 1926.

213,636. X-RAY, PHYSIO-THERAPY, AND ELECTRO-MEDICAL APPARATUS. GENERAL X-RAY COMPANY, Boston, Mass.
Filed January 30, 1926. Serial No. 226,648. PUBLISHED MARCH 23, 1926.

213,637. SWIMMING SUITS, KNITTED SWEATER COATS; GLOVES OF LEATHER, RUBBER, FABRIC, AND A COMBINATION THEREOF; SUITS FOR MEN, WOMEN, AND CHILDREN; UNDERWEAR OF TEXTILE FABRIC, ROBES, HOSIERY; HATS FOR MEN, WOMEN, AND CHILDREN; CAPS FOR MEN, WOMEN, AND CHILDREN; JERSEY VESTS AND SCARFS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed January 15, 1926. Serial No. 225,959. PUBLISHED MARCH 23, 1926.

213,638. ARTISTS' CALCIMINE, COUNTER DUSTERS, FITCH, FRESCO, FLOOR SWEEPS, FLOWING, FURNITURE-RUBBING, PAINT, GLUE, PASTE, PAINTER DUSTERS; PAPER-HANGERS', PLASTERERS', RADIATOR, ROOF, SASH, SHIP-SEAMING, STAIR DUSTERS, STUCCO, STENCIL, STIPPLING, VARNISH, WHITEWASH, AND WASHING BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Rennous-Kleinle Division, Baltimore, Md.
Filed January 15, 1926. Serial No. 225,969. PUBLISHED MARCH 23, 1926.

213,639. NEEDLES FOR REPAIR WORK (BY HAND). THE STELOS COMPANY, INC., Washington, D. C.
Filed January 16, 1926. Serial No. 226,028. PUBLISHED MARCH 16, 1926.

213,640. FOOD PREPARATION CONTAINING FISH ALBUMEN AND EXTRACT OF MALT. THE BEJEM CORPORATION, New York, N. Y.
Filed January 19, 1926. Serial No. 226,091. PUBLISHED MARCH 16, 1926.

213,641. POWDER PUFFS. OXZYN COMPANY, New York, N. Y.
Filed January 20, 1926. Serial No. 226,156. PUBLISHED MARCH 23, 1926.

213,642. MOPS AND HANDLES THEREFOR. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill.
Filed January 21, 1926. Serial No. 226,214. PUBLISHED MARCH 23, 1926.

213,643. WIRE BASKETS. CYCLONE FENCE COMPANY, Waukegan, Ill.
Filed January 25, 1926. Serial No. 226,335. PUBLISHED MARCH 23, 1926.

213,644. SINKERS FOR FISHING LINES. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 25, 1926. Serial No. 226,348. PUBLISHED MARCH 23, 1926.

213,645. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,394. PUBLISHED MARCH 23, 1926.

213,646. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,397. PUBLISHED MARCH 23, 1926.

213,647. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,398. PUBLISHED MARCH 23, 1926.

213,648. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,399. PUBLISHED MARCH 23, 1926.

213,649. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,406. PUBLISHED MARCH 23, 1926.

213,650. CANDY BARS AND CANDY. WALTER J. HIRSCH COMPANY, Chicago, Ill.
Filed February 5, 1926. Serial No. 226,903. PUBLISHED MARCH 23, 1926.

213,651. COFFEE. THE HARNIT & HEWITT CO., Toledo, Ohio.
Filed February 6, 1926. Serial No. 226,957. PUBLISHED MARCH 23, 1926.

213,652. CYLINDER OIL AND VALVE OIL. J. D. STREETT & COMPANY, St. Louis, Mo.
Filed February 6, 1926. Serial No. 226,985. PUBLISHED MARCH 23, 1926.

213,653. COFFEE. A. FILTHUTH, San Francisco, Calif.
Filed February 8, 1926. Serial No. 227,008. PUBLISHED MARCH 23, 1926.

213,654. LIQUID PASTE, POWDER AND CAKE POLISH FOR FURNITURE, WOODENWARE, AUTOMOBILES, AND MUSICAL INSTRUMENTS. PALMER L. BROWN, doing business as the Palmer Products Co., Battle Creek, Mich.
Filed March 3, 1924. Serial No. 193,188. PUBLISHED SEPTEMBER 8, 1925.

213,655. TWINE, ROPE-YARN, AND ROVING MADE OF COTTON, JUTE, HEMP, OR FLAX. THE LINEN THREAD CO., New York, N. Y.
Filed June 16, 1924. Serial No. 198,652. PUBLISHED MARCH 23, 1926.

213,656. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 20, 1924. Serial No. 207,031. PUBLISHED FEBRUARY 16, 1926.

213,657. TENT CLOTH. THE BROOKS TENT & AWNING COMPANY, Denver, Colo.
Filed January 24, 1925. Serial No. 208,564. PUBLISHED MARCH 23, 1926.

213,658. METAL CURTAIN RODS, DRAPERY HARDWARE AND WINDOW-SHADE HARDWARE. KENNEY MANUFACTURING COMPANY, Cranston, R. I.
Filed January 8, 1926. Serial No. 225,664. PUBLISHED MARCH 9, 1926.

213,659. GASOLINE. MASON CITY OIL & GREASE COMPANY, Mason City, Iowa.
Filed January 11, 1926. Serial No. 225,791. PUBLISHED MARCH 9, 1926.

213,660. SILK YARNS AND YARNS OF SILK AND RAYON MIXTURE. ALBERT J. PFEIFFER, INC., New York, N. Y.
Filed January 11, 1926. Serial No. 225,801. PUBLISHED MARCH 16, 1926.

213,661. RODENT EXTERMINATOR. THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio, assignor to Rex Research Corporation, of Toledo, Ohio, a Corporation of Delaware.
Filed February 6, 1926. Serial No. 226,988. PUBLISHED MARCH 16, 1926.

213,662. HAIRDRESSINGS. LYON & LYON, Chicago, Ill.
Filed February 8, 1926. Serial No. 227,026. PUBLISHED MARCH 16, 1926.

213,663. ANTISEPTIC LIQUID COURT PLASTER. CHARLES W. DEES, Ellensburg, Wash.
Filed December 9, 1925. Serial No. 224,450. PUBLISHED MARCH 16, 1926.

213,664. RODENT EXTERMINATOR. THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio, assignor to Rex Research Corporation, of Toledo, Ohio, a Corporation of Delaware.
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213,665. LEATHER SHOES. CRADDOCK-TERRY COMPANY, Lynchburg, Va.
Filed March 12, 1925. Serial No. 210,885. PUBLISHED APRIL 28, 1925.

213,666. GASOLINE. SLOANE-FORSBERG OIL COMPANY, Oklahoma City, Okla.
Filed March 30, 1925. Serial No. 211,873. PUBLISHED MARCH 23, 1926.

213,667. CHINAWARE. NATHAN STRAUS & SONS, INC., New York, N. Y.
Filed May 5, 1925. Serial No. 213,864. PUBLISHED MARCH 16, 1926.

213,668. GASOLINE, LUBRICATING OILS, AND GREASES. INDEPENDENT HOME OIL CO., Fairmount, N. Dak.
Filed May 29, 1925. Serial No. 215,071. PUBLISHED NOVEMBER 3, 1925.

213,669. LIQUID PREPARATION FOR POLISHING METALS, GLASS WINDOWS, MIRRORS, AND THE LIKE. M. K. BRIGSTOCKE, doing business as The Miracle Co., Catskill, N. Y.
Filed June 1, 1925. Serial No. 215,131. PUBLISHED JANUARY 12, 1926.

213,670. PADLOCKS, DOOR LOCKS, FURNITURE LOCKS, LATCHES, AND BOLTS FOR THE SAME. F. WILHELM LÜLING, Volmarstein-on-the-Ruhr, Germany.
Filed June 23, 1925. Serial No. 216,276. PUBLISHED MARCH 23, 1926.

213,671. PRESERVED FISH AND CANNED VEGETABLES. SANTIAGO LOPEZ BARREDO S. A., Santander, Spain.
Filed January 30, 1924. Serial No. 191,660. PUBLISHED FEBRUARY 2, 1926.

213,672. AXLE GREASE, CUP GREASE, TRANSMISSION GREASE, LUBRICATING OILS, DESIGNATED AS RED ENGINE OIL, HAND-SEPARATOR OIL, HARVESTER OIL, FORD SPECIAL MOTOR OIL, STEAM-CYLINDER OIL, SQUARE-DEAL MOTOR OIL, SUMMER BLACK OIL, AND TRANSMISSION OIL. PARK BROS. INC., Portland, Oreg., assignor to Barnsdall Refining Company, Tulsa, Okla., a Corporation of Delaware.
Filed September 18, 1923. Serial No. 185,906. PUBLISHED OCTOBER 14, 1924.

213,673. PROTECTIVE COMPOSITION FOR TRE[A]ING FRUIT COMPRISING A WAXY [M]SUCH AS PARAFFIN AND AN [E]
BROGDEX COMPANY, Winter Ha
Angeles, Calif.
Filed November 19, 1923. Serial [N]
LISHED MARCH 2, 1926.

213,674. BASE-METAL RECEPTACLE
MENT TO THE INSIDE OF AUT[O]
HOLDING TOILET OR SIMILA
DOERR MANUFACTURING COMPANY, Gra[nd]
Filed July 5, 1924. Serial No. 1[9]
LISHED MARCH 23, 1926.

213,675. GASOLINE. THE PONTIAC [REFINING] CO., Cleveland, Ohio.
Filed October 30, 1924. Serial No. 204,
LISHED JUNE 2, 1925.

213,676. BOOTS AND SHOES, AND SLIPPE[RS]
OF LEATHER, RUBBER, FABRIC, AND C[OMBINA]
TIONS. SCHOLL MANUFACTURING COMPAN[Y]
Chicago, Ill.
Filed December 1, 1924. Serial No. 206,986.
LISHED MARCH 9, 1926.

213,677. PETROLEUM, KEROSENE, GASOLINE, NAPHTHA, LUBRICATING OILS, LUBRICATING GREASES, CRUDE OIL, FUEL OIL, PARAFFIN, AND CUTTING OIL. LION OIL COMPANY, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,534. PUBLISHED MARCH 17, 1925.

213,678. LADIES' AND MISSES' COTTON WASH DRESSES. THE PEGGY ANN DRESS CO., Cincinnati, Ohio.
Filed December 13, 1924. Serial No. 206,684. PUBLISHED MARCH 17, 1925.

213,679. COFFEE. COLVIN AND MAHOOD COMPANY, Pittsburgh, Pa.
Filed February 9, 1926. Serial No. 227,061. PUBLISHED MARCH 23, 1926.

213,680. WOMEN'S, MISSES', AND CHILDREN'S OUTER COATS. PHILMAN COAT CO., New York, N. Y.
Filed February 9, 1926. Serial No. 227,085. PUBLISHED MARCH 23, 1926.

213,681. WATERPROOF UMBRELLAS. SIEGEL, ROTHSCHILD & CO., Baltimore, Md.
Filed February 9, 1926. Serial No. 227,088. PUBLISHED MARCH 23, 1926.

213,682. LADIES' AND MISSES' BLOOMERS WORN AS UNDERGARMENTS. LUXITE SILK PRODUCTS COMPANY, Milwaukee, Wis.
Filed February 10, 1926. Serial No. 227,130. PUBLISHED MARCH 23, 1926.

213,683. MEN'S, WOMENS', AND BOYS' UNDERWEAR OF BALBRIGGAN, NAINSOOK, AND RAYON. THE WYCKOFF KNITTING COMPANY, Perry, N. Y.
Filed February 10, 1926. Serial No. 227,151. PUBLISHED MARCH 23, 1926.

213,684. KNITTED SWEATERS, MACKINAW COATS; KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; WORK AND DRESS SHIRTS, STOCKINGS, HOSE, OVERCOATS, LEATHER VESTS AND COATS, RAINCOATS, AND BATHING SUITS. HYMEN COHEN, doing business as Manhattan Woolen Mills, Duluth, Minn.
Filed February 11, 1926. Serial No. 227,165. PUBLISHED MARCH 23, 1926.

213,685. GASOLINE. BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo.
Filed February 12, 1926. Serial No. 227,216. PUBLISHED MARCH 23, 1926.

213,686. PLOWS, CULTIV[ATORS],
HANDLES FOR AGRI[CULTURAL]
WEEDERS, GAR[DEN]
TORS, [CULTIVA]
T[OOLS].

213,691. GENERAL TONIC. THE AKTINOL LABORATORIES, INC., Chicago, Ill.
Filed December 9, 1925. Serial No. 224,442. PUBLISHED MARCH 16, 1926.

213,692. TOOTHACHE TREATMENT. RINGER PRODUCTS CO., New York, N. Y.
Filed February 6, 1926. Serial No. 226,979. PUBLISHED MARCH 16, 1926.

213,693. PREPARATION FOR USE IN THE TREATMENT OF NERVOUS INDIGESTION, DYSPEPSIA, HEARTBURN, IMPROPER DIGESTIVE FERMENTATION, AND GASES IN THE STOMACH. NATHANIEL S. APPLEWHITE, Washington, D. C.
Filed February 5, 1926. Serial No. 226,874. PUBLISHED MARCH 16, 1926.

213,694. COFFEE. GRANGER & CO., Buffalo, N. Y.
Filed February 18, 1925. Serial No. 209,785. PUBLISHED MARCH 16, 1926.

213,695. HAIR COLORINGS, HAIR TINTS, AND HAIR DYES. PARAGON LABORATORIES, INC., Newark, N. J.
Filed December 10, 1925. Serial No. 224,526. PUBLISHED MARCH 16, 1926.

213,696. PERFUMES, TOILET WATER, HAIR TONICS, VANISHING CREAM, BEAUTY POWDER, COMPLEXION POWDER, LILAC VEGETALE, AFTER-SHAVING LOTION, ASTRINGENTS, CRÈME BALM, BATH SALTS, DEODORANTS, NAIL POLISH, CUTICLE PREPARATIONS, SHAMPOO, HAIR OIL, DANDRUFF REMOVER, BRILLIANTINE. MARI TRUDEAU CO., St. Paul, Minn.
Filed December 11, 1925. Serial No. 224,569. PUBLISHED MARCH 16, 1926.

213,697. MEDICINES FOR USE IN KIDNEY AND BLADDER AILMENTS. TEX-A-TONE CHEMICAL COMPANY, Texarkana, Tex.
Filed December 21, 1925. Serial No. 224,997. PUBLISHED MARCH 16, 1926.

213,698. PREPARATION FOR CLEANING AND LUBRICATING FERROTYPE TINS SO THAT GLOSSY PRINTS ON BEING DRIED WILL NOT STICK SO TIGHTLY AS TO BECOME DAMAGED WHILE BEING REMOVED FROM SAID FERROTYPE TINS. THE FEROLENE SALES CO., Kansas City, Mo.
Filed December 26, 1925. Serial No. 225,182. PUBLISHED MARCH 16, 1926.

213,699. INCENSE POWDER AND SCENTED POWDER FOR THE BATH AND BODY. BENJAMIN ALEXANDER, New York, N. Y.
Filed January 2, 1926. Serial No. 225,392. PUBLISHED MARCH 16, 1926.

213,700. *PERFUMES, TOILET WATERS, FACE CREAMS, ROUGES, SACHET POWDER, BATH SALTS, BRILLIANTINE, LOTIONS, DENTIFRICES.* LECARON FILS, doing business as Parfumerie Gelle Frères, Paris, France.
Filed January 2, 1926. Serial No. 225,427. PUBLISHED MARCH 16, 1926.

[illegible] NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS. LE JOLIE MAIN, INC.

213,704. VETERINARY REMEDY FOR THE TREATMENT OF TEXAS OR TICK FEVER. DR. WM. CAIN COMPANY, Bay St. Louis, Miss.
Filed January 9, 1926. Serial No. 225,701. PUBLISHED MARCH 16, 1926.

213,705. RUBBING ALCOHOL. ALBERT M. GUGENHEIM, doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio.
Filed January 9, 1926. Serial No. 225,712. PUBLISHED MARCH 16, 1926.

213,706. PREPARATION FOR THE TREATMENT OF INDIGESTION, PAINS AFTER EATING, BLOATING, HEARTBURN, GASTRIC AFFECTIONS, SOUR STOMACH, AND INTESTINAL AFFECTIONS. JOHN D. HOOD, doing business as Hood's Herb Remedies, Bayonne, N. J.
Filed January 9, 1926. Serial No. 225,714. PUBLISHED MARCH 16, 1926.

213,707. MEDICINE FOR RHEUMATISM, CHRONIC AND ACUTE, AND RHEUMATIC PAINS. ANIELA DYOAS, Chicago, Ill.
Filed January 14, 1926. Serial No. 225,915. PUBLISHED MARCH 16, 1926.

213,708. NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, AND LOTIONS. LE JOLIE MAIN, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,009. PUBLISHED MARCH 9, 1926.

213,709. PERFUMES, PERFUMED POWDERS, AND TOILET WATER. COLGATE & COMPANY, Jersey City, N. J.
Filed January 18, 1926. Serial No. 226,047. PUBLISHED MARCH 16, 1926.

213,710. A PREPARATION FOR USE IN THE TREATMENT OF RAIL CLOTH OF POOL TABLES. ED HAMBLIN, Jr., Woodward, Okla.
Filed January 20, 1926. Serial No. 226,140. PUBLISHED MARCH 16, 1926.

213,711. DENTIFRICES—NAMELY, PASTE, POWDER, AND LIQUID. ARTHUR C. LEVERING, Riderwood, Md.
Filed January 23, 1926. Serial No. 226,294. PUBLISHED MARCH 16, 1926.

213,712. A CHEMICAL FOR THE TREATMENT OF GASOLINE AS A MOTOR FUEL. MOTORITE, INC., Provo, Utah.
Filed January 26, 1926. Serial No. 226,437. PUBLISHED MARCH 16, 1926.

213,713. *TOILET PREPARATIONS—VIZ, PERFUME IN LIQUID AND POWDER FORM AND FACE POWDER.* SOLON PALMER, New York, N. Y.
Filed January 27, 1926. Serial No. 226,508. PUBLISHED MARCH 16, 1926.

213,714. CORN SUGAR, BEING SOLIDIFIED GLUCOSE, BLEACHED AND UNBLEACHED, IN CHIPS, SLABS, GRANULAR, AND SOLID FORMS, USED IN TANNING. BERNHAN CHEMICAL & METAL CORP., New York, N. Y.

213,718. WARP DRESSINGS. DRAKE CORPORATION, Norfolk, Va.
Filed October 29, 1924. Serial No. 204,545. PUBLISHED MARCH 16, 1926.

213,719. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. ALBERT BOEHRINGER, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed March 20, 1925. Serial No. 211,326. PUBLISHED MARCH 16, 1926.

213,720. MINERAL MEDICAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTERTREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,287. PUBLISHED MARCH 16, 1926.

213,721. MEDICAL MINERAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTERTREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,288. PUBLISHED MARCH 16, 1926.

213,722. SCREEN HANGER SETS. WARNER HARDWARE SPECIALTY CO., Kansas City, Mo.
Filed January 20, 1926. Serial No. 226,180. PUBLISHED MARCH 23, 1926.

213,723. DEVICE FOR MAKING COFFEE. THE COFFEE MAID CORPORATION, Louisville, Ky.
Filed January 22, 1926. Serial No. 226,231. PUBLISHED MARCH 23, 1926.

213,724. INTRAVENOUS SOLUTIONS FOR THE FOLLOWING MEDICINAL PURPOSES: ANÆMIA, RHEUMATISM, ASTHMA, SYPHILIS, ACNE, PYLETIS, BRONCHITIS, GOITER, AND NEURASTHENIA. INTRAVENOUS PRODUCTS COMPANY OF AMERICA, INC., New York, N. Y.
Filed August 10, 1925. Serial No. 218,645. PUBLISHED MARCH 16, 1926.

213,725. OLEOMARGARINE. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co., St. Louis, Mo.
Filed January 20, 1926. Serial No. 226,171. PUBLISHED MARCH 23, 1926.

213,726. *INSECTICIDE SPRAY.* STUART PERKINS, North Kansas City, Mo.
Filed October 10, 1925. Serial No. 221,564. PUBLISHED MARCH 23, 1926.

213,727. DRY CLEANERS, LIQUID SOAPS, AND CLEANING COMPOUNDS FOR PAINTED, VARNISHED, AND ENAMELED SURFACES AND MARBLE AND TILE. FRANK S. LYNDALL, doing business as Elbar Laboratories and also as Elbar

213,730. A HEALING OINTMENT. MARY P. SCHMIDT, Indianapolis, Ind.
Filed November 30, 1925. Serial No. 224,055. PUBLISHED FEBRUARY 23, 1926.

213,731. CANNED FRUITS, INCLUDING CHERRIES, PINEAPPLE, BLACK RASPBERRIES, STRAWBERRIES, APRICOTS, PEACHES, PEARS, BLACKBERRIES, APPLES, GRAPES, GRAPEFRUIT, PLUMS, AND RED RASPBERRIES; CANNED VEGETABLES—NAMELY, BEETS, CORN, HOMINY, PEAS, SAUERKRAUT, SWEET POTATOES, TOMATOES, SPINACH, ASPARAGUS, AND PIMIENTOS; EVAPORATED AND DRIED BEANS, APPLES, APRICOTS, PRUNES, AND PEACHES; PEANUT BUTTER; CANNED SEA FOOD, INCLUDING SALMON, SARDINES, TUNNY, AND LOBSTER; COFFEE; FOOD-FLAVORING EXTRACTS, INCLUDING VANILLA AND LEMON; CORN FLAKES, ROLLED OATS; ALIMENTARY PRODUCTS, INCLUDING MACARONI, SPAGHETTI, AND NOODLES; WHEAT FLOUR, PREPARED PANCAKE FLOUR, BUCKWHEAT FLOUR, STRAINED HONEY, APPLE BUTTER; FRUIT JELLIES, INCLUDING CRAB APPLE, GRAPE, STRAWBERRY, AND PEACH; FRUIT JAMS, INCLUDING RASPBERRY, STRAWBERRY, CRAB APPLE AND PLUM; FRUIT PRESERVES, INCLUDING STRAWBERRY, RASPBERRY, AND BLACKBERRY; PREPARED MUSTARD, PICKLES, RICE, CATCHUP, CHILI SAUCE, ALLSPICE, CINNAMON, GINGER, MUSTARD, NUTMEG, PAPRIKA, PEPPER, SAGE, FOOD STARCH, FOOD SIRUP, MOLASSES, TEA, VINEGAR, CONDENSED MILK, CHOCOLATE, COCOA, CHEESE. SEHON, STEVENSON & CO., Huntington, W. Va.
Filed November 30, 1925. Serial No. 224,057. PUBLISHED MARCH 16, 1926.

213,732. COUGH SIRUP. SARAH C. AMTER, Cripple Creek, Colo.
Filed December 5, 1925. Serial No. 224,271. PUBLISHED MARCH 16, 1926.

213,733. PREPARATION FOR THE TREATMENT OF SCIATICA, COLDS, LA GRIPPE, RHEUMATISM, NEURALGIA, EARACHE, LUMBAGO, HEADACHE, TOOTHACHE, AND NEURITIS. THE RIDENOUR-BAYLEY DRUG CO. INC., Lima, Ohio.
Filed December 5, 1925. Serial No. 224,294. PUBLISHED MARCH 16, 1926.

213,734. RADIATOR GLYCERIN. PEET BROTHERS COMPANY, Kansas City, Kans.
Filed December 6, 1925. Serial No. 224,421. PUBLISHED MARCH 16, 1926.

213,735. TOILET PREPARATION OF THE DESCRIPTION KNOWN AS BEAUTY CREAM. VASCO PRODUCTS INCORPORATED, Washington, D. C.
Filed December 8, 1925. Serial No. 224,437. PUBLISHED MARCH 16, 1926.

213,635. TIRE PATCHES. RIDE-EM PATCH CO., Newark, N. J.
Filed January 23, 1926. Serial No. 226,303. PUBLISHED MARCH 9, 1926.

213,636. X-RAY, PHYSIO-THERAPY, AND ELECTRO-MEDICAL APPARATUS. GENERAL X-RAY COMPANY, Boston, Mass.
Filed January 30, 1926. Serial No. 226,648. PUBLISHED MARCH 23, 1926.

213,637. SWIMMING SUITS, KNITTED SWEATER COATS; GLOVES OF LEATHER, RUBBER, FABRIC, AND A COMBINATION THEREOF; SUITS FOR MEN, WOMEN, AND CHILDREN; UNDERWEAR OF TEXTILE FABRIC, ROBES, HOSIERY; HATS FOR MEN, WOMEN, AND CHILDREN; CAPS FOR MEN, WOMEN, AND CHILDREN; JERSEY VESTS AND SCARFS. JANTZEN KNITTING MILLS, Portland, Oreg.
Filed January 15, 1926. Serial No. 225,959. PUBLISHED MARCH 23, 1926.

213,638. ARTISTS' CALCIMINE, COUNTER DUSTERS, FITCH, FRESCO, FLOOR SWEEPS, FLOWING, FURNITURE-RUBBING, PAINT, GLUE, PASTE, PAINTER DUSTERS; PAPER-HANGERS', PLASTERERS', RADIATOR, ROOF, SASH, SHIP-SEAMING, STAIR DUSTERS, STUCCO, STENCIL, STIPPLING, VARNISH, WHITEWASH, AND WASHING BRUSHES. PITTSBURGH PLATE GLASS COMPANY, Rennous-Kleinle Division, Baltimore, Md.
Filed January 15, 1926. Serial No. 225,969. PUBLISHED MARCH 23, 1926.

213,639. NEEDLES FOR REPAIR WORK (BY HAND). THE STELOS COMPANY, INC., Washington, D. C.
Filed January 16, 1926. Serial No. 226,028. PUBLISHED MARCH 16, 1926.

213,640. FOOD PREPARATION CONTAINING FISH ALBUMEN AND EXTRACT OF MALT. THE BEJEM CORPORATION, New York, N. Y.
Filed January 19, 1926. Serial No. 226,091. PUBLISHED MARCH 16, 1926.

213,641. POWDER PUFFS. OXZYN COMPANY, New York, N. Y.
Filed January 20, 1926. Serial No. 226,156. PUBLISHED MARCH 23, 1926.

213,642. MOPS AND HANDLES THEREFOR. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill.
Filed January 21, 1926. Serial No. 226,214. PUBLISHED MARCH 23, 1926.

213,643. WIRE BASKETS. CYCLONE FENCE COMPANY, Waukegan, Ill.
Filed January 25, 1926. Serial No. 226,335. PUBLISHED MARCH 23, 1926.

213,644. SINKERS FOR FISHING LINES. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 25, 1926. Serial No. 226,348. PUBLISHED MARCH 23, 1926.

213,645. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,394. PUBLISHED MARCH 23, 1926.

213,646. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,397. PUBLISHED MARCH 23, 1926.

213,647. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,398. PUBLISHED MARCH 23, 1926.

213,648. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,399. PUBLISHED MARCH 23, 1926.

213,649. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,406. PUBLISHED MARCH 23, 1926.

213,650. CANDY BARS AND CANDY. WALTER J. HIRSCH COMPANY, Chicago, Ill.
Filed February 5, 1926. Serial No. 226,903. PUBLISHED MARCH 23, 1926.

213,651. COFFEE. THE HARNIT & HEWITT CO., Toledo, Ohio.
Filed February 6, 1926. Serial No. 226,957. PUBLISHED MARCH 23, 1926.

213,652. CYLINDER OIL AND VALVE OIL. J. D. STREETT & COMPANY, St. Louis, Mo.
Filed February 6, 1926. Serial No. 226,985. PUBLISHED MARCH 23, 1926.

213,653. COFFEE. A. FILTHUTH, San Francisco, Calif.
Filed February 8, 1926. Serial No. 227,008. PUBLISHED MARCH 23, 1926.

213,654. LIQUID PASTE, POWDER AND CAKE POLISH FOR FURNITURE, WOODENWARE, AUTOMOBILES, AND MUSICAL INSTRUMENTS. PALMER L. BROWN, doing business as the Palmer Products Co., Battle Creek, Mich.
Filed March 3, 1924. Serial No. 193,188. PUBLISHED SEPTEMBER 8, 1925.

213,655. TWINE, ROPE-YARN, AND ROVING MADE OF COTTON, JUTE, HEMP, OR FLAX. THE LINEN THREAD CO., New York, N. Y.
Filed June 16, 1924. Serial No. 198,652. PUBLISHED MARCH 23, 1926.

213,656. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 20, 1924. Serial No. 207,031. PUBLISHED FEBRUARY 16, 1926.

213,657. TENT CLOTH. THE BROOKS TENT & AWNING COMPANY, Denver, Colo.
Filed January 24, 1925. Serial No. 208,564. PUBLISHED MARCH 23, 1926.

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213,659. GASOLINE. MASON CITY OIL & GREASE COMPANY, Mason City, Iowa.
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213,660. SILK YARNS AND YARNS OF SILK AND RAYON MIXTURE. ALBERT J. PFEIFFER, INC., New York, N. Y.
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213,661. RODENT EXTERMINATOR. THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio, assignor to Rex Research Corporation, of Toledo, Ohio, a Corporation of Delaware.
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213,662. HAIRDRESSINGS. LYON & LYON, Chicago, Ill.
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213,663. ANTISEPTIC LIQUID COURT PLASTER. CHARLES W. DEES, Ellensburg, Wash.
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213,666. GASOLINE. SLOANE-FORSBERG OIL COMPANY, Oklahoma City, Okla.
Filed March 30, 1925. Serial No. 211,873. PUBLISHED MARCH 23, 1926.

213,667. CHINAWARE. NATHAN STRAUS & SONS, INC., New York, N. Y.
Filed May 5, 1925. Serial No. 213,864. PUBLISHED MARCH 16, 1926.

213,668. GASOLINE, LUBRICATING OILS, AND GREASES. INDEPENDENT HOME OIL CO., Fairmount, N. Dak.
Filed May 29, 1925. Serial No. 215,071. PUBLISHED NOVEMBER 3, 1925.

213,669. LIQUID PREPARATION FOR POLISHING METALS, GLASS WINDOWS, MIRRORS, AND THE LIKE. M. K. BRIGHTOCKS, doing business as The Miracle Co., Catskill, N. Y.
Filed June 1, 1925. Serial No. 215,131. PUBLISHED JANUARY 12, 1926.

213,670. PADLOCKS, DOOR LOCKS, FURNITURE LOCKS, LATCHES, AND BOLTS FOR THE SAME. F. WILHELM LÜLING, Volmarstein-on-the-Ruhr, Germany.
Filed June 23, 1925. Serial No. 216,276. PUBLISHED MARCH 23, 1926.

213,671. PRESERVED FISH AND CANNED VEGETABLES. SANTIAGO LOPEZ BARREDO S. A., Santander, Spain.
Filed January 30, 1924. Serial No. 191,660. PUBLISHED FEBRUARY 2, 1926.

213,672. AXLE GREASE, CUP GREASE, TRANSMISSION GREASE, LUBRICATING OILS, DESIGNATED AS RED ENGINE OIL, HAND-SEPARATOR OIL, HARVESTER OIL, FORD SPECIAL MOTOR OIL, STEAM-CYLINDER OIL, SQUARE-DEAL MOTOR OIL, SUMMER BLACK OIL, AND TRANSMISSION OIL. PARK BROS. INC., Portland, Oreg., assignor to Barnsdall Refining Company, Tulsa, Okla., a Corporation of Delaware.
Filed September 18, 1923. Serial No. 185,906. PUBLISHED OCTOBER 14, 1924.

213,673. PROTECTIVE COMPOSITION FOR TREATING FRUIT COMPRISING A WAXY MATERIAL SUCH AS PARAFFIN AND AN OILY VEHICLE. BROGDEX COMPANY, Winter Haven, Fla., and Los Angeles, Calif.
Filed November 19, 1923. Serial No. 188,527. PUBLISHED MARCH 2, 1926.

213,674. BASE-METAL RECEPTACLES FOR ATTACHMENT TO THE INSIDE OF AUTOMOBILES FOR HOLDING TOILET OR SIMILAR ARTICLES. DOERR MANUFACTURING COMPANY, Grand Rapids, Mich.
Filed July 5, 1924. Serial No. 199,611. PUBLISHED MARCH 23, 1926.

213,675. GASOLINE. THE PONTIAC OIL COMPANY, Cleveland, Ohio.
Filed October 30, 1924. Serial No. 204,628. PUBLISHED JUNE 2, 1925.

213,676. BOOTS AND SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed December 1, 1924. Serial No. 206,086. PUBLISHED MARCH 9, 1926.

213,677. PETROLEUM, KEROSENE, GASOLINE, NAPHTHA, LUBRICATING OILS, LUBRICATING GREASES, CRUDE OIL, FUEL OIL, PARAFFIN, AND CUTTING OIL. LION OIL COMPANY, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,534. PUBLISHED MARCH 17, 1925.

213,678. LADIES' AND MISSES' COTTON WASH DRESSES. THE PEGGY ANN DRESS CO., Cincinnati, Ohio.
Filed December 13, 1924. Serial No. 206,684. PUBLISHED MARCH 17, 1925.

213,679. COFFEE. COLVIN AND MAHOOD COMPANY, Pittsburgh, Pa.
Filed February 9, 1926. Serial No. 227,061. PUBLISHED MARCH 23, 1926.

213,680. WOMEN'S, MISSES', AND CHILDREN'S OUTER COATS. PHILMAN COAT CO., New York, N. Y.
Filed February 9, 1926. Serial No. 227,085. PUBLISHED MARCH 23, 1926.

213,681. WATERPROOF UMBRELLAS. SIEGEL, ROTHSCHILD & CO., Baltimore, Md.
Filed February 9, 1926. Serial No. 227,088. PUBLISHED MARCH 23, 1926.

213,682. LADIES' AND MISSES' BLOOMERS WORN AS UNDERGARMENTS. LUXITE SILK PRODUCTS COMPANY, Milwaukee, Wis.
Filed February 10, 1926. Serial No. 227,130. PUBLISHED MARCH 23, 1926.

213,683. MEN'S, WOMENS', AND BOYS' UNDERWEAR OF BALBRIGGAN, NAINSOOK, AND RAYON. THE WYCKOFF KNITTING COMPANY, Perry, N. Y.
Filed February 10, 1926. Serial No. 227,151. PUBLISHED MARCH 23, 1926.

213,684. KNITTED SWEATERS, MACKINAW COATS; KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; WORK AND DRESS SHIRTS, STOCKINGS, HOSE, OVERCOATS, LEATHER VESTS AND COATS, RAINCOATS, AND BATHING SUITS. HYMEN COHEN, doing business as Manhattan Woolen Mills, Duluth, Minn.
Filed February 11, 1926. Serial No. 227,165. PUBLISHED MARCH 23, 1926.

213,685. GASOLINE. BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo.
Filed February 12, 1926. Serial No. 227,216. PUBLISHED MARCH 23, 1926.

213,686. PLOWS, CULTIVATORS, HARROWS, HANDLES FOR AGRICULTURAL IMPLEMENTS, WEEDERS, GARDEN PLOWS, GARDEN CULTIVATORS, AND AGRICULTURAL STEEL SHAPES. THE EMPIRE PLOW COMPANY, Cleveland, Ohio.
Filed January 12, 1925. Serial No. 207,977. PUBLISHED MARCH 23, 1926.

213,687. JEWELLER'S SAWS, JIG SAWS, FRET SAWS, HAND SAWS, COPING SAWS, AND BLADES FOR JEWELLER'S SAWS, FRET SAWS, AND COPING SAWS. ACKERMANN STEFFAN & CO., Chicago, Ill.
Filed October 5, 1925. Serial No. 221,225. PUBLISHED MARCH 23, 1926.

213,688. CAKES AND CRACKERS. JUNGE BAKING COMPANY, Joplin, Mo.
Filed January 14, 1926. Serial No. 225,927. PUBLISHED MARCH 23, 1926.

213,689. CAKES, FRIED CAKES, AND COOKIES. GRENNAN BAKERIES INC., Detroit, Mich
Filed January 18, 1926. Serial No. 226,054. PUBLISHED MARCH 23, 1926.

213,690. TETRAIODPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed October 28, 1925. Serial No. 222,470. PUBLISHED MARCH 16, 1926.

213,691. GENERAL TONIC. THE AKTINOL LABORATORIES, INC., Chicago, Ill.
Filed December 9, 1925. Serial No. 224,442. PUBLISHED MARCH 16, 1926.

213,692. TOOTHACHE TREATMENT. RINGER PRODUCTS CO., New York, N. Y.
Filed February 6, 1926. Serial No. 226,979. PUBLISHED MARCH 16, 1926.

213,693. PREPARATION FOR USE IN THE TREATMENT OF NERVOUS INDIGESTION, DYSPEPSIA, HEARTBURN, IMPROPER DIGESTIVE FERMENTATION, AND GASES IN THE STOMACH. NATHANIEL S. APPLEWHITE, Washington, D. C.
Filed February 5, 1926. Serial No. 226,874. PUBLISHED MARCH 16, 1926.

213,694. COFFEE. GRANGER & Co., Buffalo, N. Y.
Filed February 18, 1925. Serial No. 209,785. PUBLISHED MARCH 16, 1926.

213,695. HAIR COLORINGS, HAIR TINTS, AND HAIR DYES. PARAGON LABORATORIES, INC., Newark, N. J.
Filed December 10, 1925. Serial No. 224,526. PUBLISHED MARCH 16, 1926.

213,696. PERFUMES, TOILET WATER, HAIR TONICS, VANISHING CREAM, BEAUTY POWDER, COMPLEXION POWDER, LILAC VEGETALE, AFTER-SHAVING LOTION, ASTRINGENTS, CRÈME BALM, BATH SALTS, DEODORANTS, NAIL POLISH, CUTICLE PREPARATIONS, SHAMPOO, HAIR OIL, DANDRUFF REMOVER, BRILLIANTINE. MARI TRUDEAU CO., St. Paul, Minn.
Filed December 11, 1925. Serial No. 224,569. PUBLISHED MARCH 16, 1926.

213,697. MEDICINES FOR USE IN KIDNEY AND BLADDER AILMENTS. TEX-A-TONE CHEMICAL COMPANY, Texarkana, Tex.
Filed December 21, 1925. Serial No. 224,997. PUBLISHED MARCH 16, 1926.

213,698. PREPARATION FOR CLEANING AND LUBRICATING FERROTYPE TINS SO THAT GLOSSY PRINTS ON BEING DRIED WILL NOT STICK SO TIGHTLY AS TO BECOME DAMAGED WHILE BEING REMOVED FROM SAID FERROTYPE TINS. THE FEROLENE SALES CO., Kansas City, Mo.
Filed December 26, 1925. Serial No. 225,182. PUBLISHED MARCH 16, 1926.

213,699. INCENSE POWDER AND SCENTED POWDER FOR THE BATH AND BODY. BENJAMIN ALEXANDER, New York, N. Y.
Filed January 2, 1926. Serial No. 225,392. PUBLISHED MARCH 16, 1926.

213,700. PERFUMES, TOILET WATERS, FACE CREAMS, ROUGES, SACHET POWDER, BATH SALTS, BRILLIANTINE, LOTIONS, DENTIFRICES. LECARON FILS, doing business as Parfumerie Gelle Frères, Paris, France.
Filed January 2, 1926. Serial No. 225,427. PUBLISHED MARCH 16, 1926.

213,701. NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS. LE JOLIE MAIN, INC., New York, N. Y.
Filed January 2, 1926. Serial No. 225,428. PUBLISHED MARCH 16, 1926.

213,702. PHARMACEUTICAL PRODUCT ADAPTED FOR THE TREATMENT OF SYPHILIS. DR. M. POMARET, Paris, France.
Filed January 5, 1926. Serial No. 225,522. PUBLISHED MARCH 16, 1926.

213,703. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, ROUGES, BRILLIANTINE, LOTION FOR THE SKIN AND HAIR, FACE CREAM, BATH SALTS, DENTIFRICES. MAURICE BABANI, Paris, France.
Filed January 8, 1926. Serial No. 225,637. PUBLISHED MARCH 16, 1926.

213,704. VETERINARY REMEDY FOR THE TREATMENT OF TEXAS OR TICK FEVER. DR. WM. CAIN COMPANY, Bay St. Louis, Miss.
Filed January 9, 1926. Serial No. 225,701. PUBLISHED MARCH 16, 1926.

213,705. RUBBING ALCOHOL. ALBERT M. GOSSHEIM, doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio.
Filed January 9, 1926. Serial No. 225,712. PUBLISHED MARCH 16, 1926.

213,706. PREPARATION FOR THE TREATMENT OF INDIGESTION, PAINS AFTER EATING, BLOATING, HEARTBURN, GASTRIC AFFECTIONS, SOUR STOMACH, AND INTESTINAL AFFECTIONS. JOHN D. HOOD, doing business as Hood's Herb Remedies, Bayonne, N. J.
Filed January 9, 1926. Serial No. 225,714. PUBLISHED MARCH 16, 1926.

213,707. MEDICINE FOR RHEUMATISM, CHRONIC AND ACUTE, AND RHEUMATIC PAINS. ANIMA DYGAS, Chicago, Ill.
Filed January 14, 1926. Serial No. 225,915. PUBLISHED MARCH 16, 1926.

213,708. NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, AND LOTIONS. LE JOLIE MAIN, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,009. PUBLISHED MARCH 9, 1926.

213,709. PERFUMES, PERFUMED POWDERS, AND TOILET WATER. COLGATE & COMPANY, Jersey City, N. J.
Filed January 18, 1926. Serial No. 226,047. PUBLISHED MARCH 16, 1926.

213,710. A PREPARATION FOR USE IN THE TREATMENT OF RAIL CLOTH OF POOL TABLES. [illegible] HAMBLIN, Jr., Woodward, Okla.
Filed January 20, 1926. Serial No. 226,160. PUBLISHED MARCH 16, 1926.

213,711. DENTIFRICES—NAMELY, PASTE, POWDER, AND LIQUID. ARTHUR C. LEVERING, Ridgewood, Md.
Filed January 23, 1926. Serial No. 226,294. PUBLISHED MARCH 16, 1926.

213,712. A CHEMICAL FOR THE TREATMENT OF GASOLINE AS A MOTOR FUEL. MOTORITE, INC., Provo, Utah.
Filed January 26, 1926. Serial No. 226,487. PUBLISHED MARCH 16, 1926.

213,713. TOILET PREPARATIONS—VIZ, PERFUME IN LIQUID AND POWDER FORM AND FACE POWDER. SOLON PALMER, New York, N. Y.
Filed January 27, 1926. Serial No. 226,506. PUBLISHED MARCH 16, 1926.

213,714. CORN SUGAR, BEING SOLIDIFIED GLUCOSE, BLEACHED AND UNBLEACHED, IN CHIPS, SLABS, GRANULAR, AND SOLID FORMS, USED IN TANNING. BERNHAM CHEMICAL & MFG. CORP., New York, N. Y.
Filed August 17, 1922. Serial No. 168,351. PUBLISHED MARCH 16, 1926.

213,715. TOMATUM WITH A BASE OF PROPIDON VACCINE. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,621. PUBLISHED MARCH 16, 1926.

213,716. NOVARSENBENZOL IN TABLET FORM. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,623. PUBLISHED MARCH 16, 1926.

213,717. [illegible]EOBROMINACETATE OF SODA. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,624. PUBLISHED MARCH 16, 1926

213,718. WARP DRESSINGS. DRAKE CORPORATION, Norfolk, Va.
Filed October 29, 1924. Serial No. 204,545. PUBLISHED MARCH 16, 1926.

213,719. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. ALBERT BOEHRINGER, doing business as C. H. Boehringer Sohn, Niederingelheim-on-the-Rhine, Germany.
Filed March 20, 1925. Serial No. 211,326. PUBLISHED MARCH 16, 1926.

213,720. MINERAL MEDICAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTER-TREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,287. PUBLISHED MARCH 16, 1926.

213,721. MEDICAL MINERAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTERTREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,288. PUBLISHED MARCH 16, 1926.

213,722. SCREEN HANGER SETS. WARNER HARDWARE SPECIALTY CO., Kansas City, Mo.
Filed January 20, 1926. Serial No. 226,180. PUBLISHED MARCH 23, 1926.

213,723. DEVICE FOR MAKING COFFEE. THE COFFEE MAID CORPORATION, Louisville, Ky.
Filed January 22, 1926. Serial No. 226,231. PUBLISHED MARCH 23, 1926.

213,724. INTRAVENOUS SOLUTIONS FOR THE FOLLOWING MEDICINAL PURPOSES: ANÆMIA, RHEUMATISM, ASTHMA, SYPHILIS, ACNE, PYLETIS, BRONCHITIS, GOITER, AND NEURASTHENIA. INTRAVENOUS PRODUCTS COMPANY OF AMERICA, INC., New York, N. Y.
Filed August 10, 1925. Serial No. 218,645. PUBLISHED MARCH 16, 1926.

213,725. OLEOMARGARINE. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co., St. Louis, Mo.
Filed January 20, 1926. Serial No. 226,171. PUBLISHED MARCH 23, 1926.

213,726. INSECTICIDE SPRAY. STUART PERKINS, North Kansas City, Mo.
Filed October 10, 1925. Serial No. 221,564. PUBLISHED MARCH 23, 1926.

213,727. DRY CLEANERS, LIQUID SOAPS, AND CLEANING COMPOUNDS FOR PAINTED, VARNISHED, AND ENAMELED SURFACES AND MARBLE AND TILE. FRANK S. LYNDALL, doing business as Elbar Laboratories and also as Elbar Chemical Co., Chicago, Ill.
Filed October 24, 1925. Serial No. 222,365. PUBLISHED JANUARY 12, 1926.

213,728. TETRABROMPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed October 28, 1925. Serial No. 222,469. PUBLISHED MARCH 16, 1926.

213,729. FLAME ARRESTERS, GAUGE HATCHES, SWING-PIPE JOINTS, OIL-WELL SWIVELS, BREATHING VALVES, AND TANK MANHOLES. GENERAL MACHINE WORKS, Houston, Tex.
Filed November 10, 1925. Serial No. 223,068. PUBLISHED MARCH 23, 1926.

213,730. A HEALING OINTMENT. MARY P. SCHMIDT, Indianapolis, Ind.
Filed November 30, 1925. Serial No. 224,055. PUBLISHED FEBRUARY 23, 1926.

213,731. CANNED FRUITS, INCLUDING CHERRIES, PINEAPPLE, BLACK RASPBERRIES, STRAWBERRIES, APRICOTS, PEACHES, PEARS, BLACKBERRIES, APPLES, GRAPES, GRAPEFRUIT, PLUMS, AND RED RASPBERRIES; CANNED VEGETABLES—NAMELY, BEETS, CORN, HOMINY, PEAS, SAUERKRAUT, SWEET POTATOES, TOMATOES, SPINACH, ASPARAGUS, AND PIMIENTOS; EVAPORATED AND DRIED BEANS, APPLES, APRICOTS, PRUNES, AND PEACHES; PEANUT BUTTER; CANNED SEA FOOD, INCLUDING SALMON, SARDINES, TUNNY, AND LOBSTER; COFFEE; FOOD-FLAVORING EXTRACTS, INCLUDING VANILLA AND LEMON; CORN FLAKES, ROLLED OATS; ALIMENTARY PRODUCTS, INCLUDING MACARONI, SPAGHETTI, AND NOODLES; WHEAT FLOUR, PREPARED PANCAKE FLOUR, BUCKWHEAT FLOUR, STRAINED HONEY, APPLE BUTTER; FRUIT JELLIES, INCLUDING CRAB APPLE, GRAPE, STRAWBERRY, AND PEACH; FRUIT JAMS, INCLUDING RASPBERRY, STRAWBERRY, CRAB APPLE AND PLUM; FRUIT PRESERVES, INCLUDING STRAWBERRY, RASPBERRY, AND BLACKBERRY; PREPARED MUSTARD, PICKLES, RICE, CATCHUP, CHILI SAUCE, ALLSPICE, CINNAMON, GINGER, MUSTARD, NUTMEG, PAPRIKA, PEPPER, SAGE, FOOD STARCH, FOOD SIRUP, MOLASSES, TEA, VINEGAR, CONDENSED MILK, CHOCOLATE, COCOA, CHEESE. SEHON, STEVENSON & Co., Huntington, W. Va.
Filed November 30, 1925. Serial No. 224,057. PUBLISHED MARCH 16, 1926.

213,732. COUGH SIRUP. SARAH C. AMTER, Cripple Creek, Colo.
Filed December 5, 1925. Serial No. 224,271. PUBLISHED MARCH 16, 1926.

213,733. PREPARATION FOR THE TREATMENT OF SCIATICA, COLDS, LA GRIPPE, RHEUMATISM, NEURALGIA, EARACHE, LUMBAGO, HEADACHE, TOOTHACHE, AND NEURITIS. THE RIDENOUR-BAYLEY DRUG CO. INC., Lima, Ohio.
Filed December 5, 1925. Serial No. 224,294. PUBLISHED MARCH 16, 1926.

213,734. RADIATOR GLYCERIN. PEET BROTHERS COMPANY, Kansas City, Kans.
Filed December 8, 1925. Serial No. 224,421. PUBLISHED MARCH 16, 1926.

213,735. TOILET PREPARATION OF THE DESCRIPTION KNOWN AS BEAUTY CREAM. VASCO PRODUCTS INCORPORATED, Washington, D. C.
Filed December 8, 1925. Serial No. 224,437. PUBLISHED MARCH 16, 1926.

213,736. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, POWDER COMPACTS, ROUGE, LIP STICK, BATH SALT, SOAPS, SACHETS, FACE AND SKIN CREAMS, AND EYEBROW PENCILS. CARL J. PETERSON, doing business as Carillon Parfumerie, San Francisco, Calif.
Filed November 7, 1925. Serial No. 222,995. PUBLISHED MARCH 23, 1926.

213,737. TABLETS TO BE USED IN THE TREATMENT OF ACID STOMACH, GAS, HEARTBURN, INDIGESTION, AND OFFENSIVE BREATH. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed November 27, 1925. Serial No. 223,882. PUBLISHED MARCH 23, 1926.

213,738. ALKALINE POWDER TO BE USED IN THE TREATMENT OF CATARRHAL CONDITIONS OF THE VAGINAL MUCOUS MEMBRANE. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed November 27, 1925. Serial No. 223,883. PUBLISHED MARCH 23, 1926.

213,739. POULTRY TABLETS. DR. FALK STOCK REMEDY CO., Cincinnati, Ohio.
Filed November 27, 1925. Serial No. 223,908. PUBLISHED MARCH 9, 1926.

213,740. INSECTICIDE. STANDARD MEDICAL CO., Lansford, Pa.
Filed February 3, 1926. Serial No. 226,834. PUBLISHED MARCH 16, 1926.

213,741. MEDICINE FOR THE TREATMENT OF MENSTRUAL DISORDERS. JAMES E. KNOX, doing business as Nilene Laboratories, New York, N. Y.
Filed February 4, 1926. Serial No. 226,856. PUBLISHED MARCH 16, 1926.

213,742. MOTION-PICTURE FILMS. FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,952. PUBLISHED MARCH 23, 1926.

213,743. INSECTICIDE. TEMPLE GARDEN TEA COMPANY, Atlanta, Ga.
Filed January 30, 1926. Serial No. 226,697. PUBLISHED MARCH 16, 1926.

213,744. CHEMICALS FOR TESTING ALCOHOL. GUY S. CORNISH, doing business as The Protexu Products Company, Cincinnati, Ohio.
Filed February 1, 1926. Serial No. 226,716. PUBLISHED MARCH 16, 1926.

213,745. A COMPOUND FOR INCREASING THE PRODUCTION OF EGGS AND FOR THE TREATMENT OF CHOLERA, GAPE, ROUP, WORMS, AND OTHER DISEASES OF POULTRY. MIDWEST GROCERY CO., Kansas City, Mo.
Filed February 1, 1926. Serial No. 226,729. PUBLISHED MARCH 16, 1926.

213,746. COUGH MIXTURES. SCHWENCKE'S LABORATORIES, Brooklyn, N. Y.
Filed February 1, 1926. Serial No. 226,743. PUBLISHED MARCH 16, 1926.

213,747. PILE REMEDY. CASMITH REMEDY COMPANY, also doing business as Smith Remedy Co., Washington, D. C.
Filed February 2, 1926. Serial No. 226,763. PUBLISHED MARCH 16, 1926.

213,748. EMULSION OF COD-LIVER OIL. THE WM S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 3, 1926. Serial No. 226,818. PUBLISHED MARCH 16, 1926.

213,749. CORN, BUNION, AND CALLUS REMEDY. JOHN F. HUBER, Racine, Wis.
Filed December 21, 1925. Serial No. 224,971. PUBLISHED MARCH 23, 1926.

213,750. LINIMENT. HERBERT F. GOODRICH, doing business as Goodrich Drug Co., Anoka, Minn.
Filed January 9, 1926. Serial No. 225,708. PUBLISHED MARCH 23, 1926.

213,751. BREAD. CLARENCE SAUNDERS CORPORATION, Memphis, Tenn.
Filed February 18, 1925. Serial No. 209,785. PUBLISHED MARCH 16, 1926.

213,753. PERFUMES, TOILET WATERS, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc., a Corporation of Minnesota.
Filed January 26, 1926. Serial No. 226,422. PUBLISHED MARCH 23, 1926.

213,754. PERFUMES, TOILET WATER, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc., St. Paul, Minn., a Corporation of Minnesota.
Filed January 26, 1926. Serial No. 226,434. PUBLISHED MARCH 23, 1926.

213,755. MEDICATED GUM FOR TREATMENT OF HEAD COLDS, CATARRH, THROAT, AND BRONCHIAL AILMENTS. JULIUS MILLER, doing business as Uca-Form Sales Company, Hillside, N. J.
Filed January 29, 1926. Serial No. 226,882. PUBLISHED MARCH 16, 1926.

213,756. HYGIENIC PREPARATIONS FOR THE TREATMENT AND PREVENTION OF VAGINAL CATARRH AND OTHER FEMALE DISORDERS. HOLLAND-RANTOS CO., INC., New York, N. Y.
Filed January 30, 1926. Serial No. 226,664. PUBLISHED MARCH 16, 1926.

213,757. GENERAL TONIC. E. J. HART & CO. LTD., New Orleans, La.
Filed January 30, 1926. Serial No. 226,661. PUBLISHED MARCH 23, 1926.

213,758. BLACK PIGMENTS FOR RUBBER, PAINT, INK, COMPOSITION WORK, ETC. BINNEY & SMITH COMPANY, New York, N. Y.
Filed February 1, 1926. Serial No. 226,710. PUBLISHED MARCH 23, 1926.

213,759. HAIR-STRAIGHTENING PREPARATION, SKIN BLEACH, FACE POWDER, AND CLEANSING CREAM. CASMITH REMEDY COMPANY, doing business as Washington Belle Toilet Co., Washington, D. C.
Filed February 2, 1926. Serial No. 226,762. PUBLISHED MARCH 23, 1926.

213,760. BAKING POWDER. R. E. JONES, doing business as Dr. R. E. Jones Baking Powder Co., St. Louis, Mo.
Filed February 2, 1926. Serial No. 226,772. PUBLISHED MARCH 23, 1926.

213,761. COMPRESSED TABLETS CONTAINING CALCIUM LACTATE WITH DESICCATED PARATHYROID GLANDS AND/OR DESICCATED THYROID GLANDS. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed February 2, 1926. Serial No. 226,780. PUBLISHED MARCH 23, 1926.

213,762. THERAPEUTIC AGENT FOR HYPODERMIC INJECTIONS FOR THE TREATMENT OF ARTHRITIS, EPIDIDYMITIS, PYELITIS, AND MANY INFLAMMATORY CONDITIONS. ERNST BISCHOFF CO. INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,935. PUBLISHED MARCH 23, 1926.

213,765. REMEDY FOR DIARRHEA AND COLIC. JACOB S. WORM, New York, N. Y.
Filed February 6, 1926. Serial No. 226,991. PUBLISHED MARCH 23, 1926.

213,766. Herb Remedies, Bayonne, N. J.
Filed January 9, 1926. Serial No. 225,714. PUBLISHED MARCH 16, 1926.

213,707. MEDICINE FOR RHEUMATISM, CHRONIC AND ACUTE, AND RHEUMATIC PAINS. ANIELA DYGAS, Chicago, Ill.
Filed January 14, 1926. Serial No. 225,915. PUBLISHED MARCH 16, 1926.

213,708. NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, AND LOTIONS. LE JOLIE MAIN, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,000. PUBLISHED MARCH 16, 1926.

213,695. HAIR COLORINGS, HAIR TINTS, AND HAIR DYES. PARAGON LABORATORIES, INC., Newark, N. J.
Filed December 10, 1925. Serial No. 224,526. PUBLISHED MARCH 16, 1926.

213,696. PERFUMES, TOILET WATER, HAIR TONICS, VANISHING CREAM, BEAUTY POWDER, COMPLEXION POWDER, LILAC VEGETALE, AFTER-SHAVING LOTION, ASTRINGENTS, CRÈME BALM, BATH SALTS, DEODORANTS, NAIL POLISH, CUTICLE PREPARATIONS, SHAMPOO

213,766. PREPARATIONS ADAPTED AND INTENDED FOR USE IN WAVING OR CURLING HAIR INCLUDING LOTIONS AND ABSORBENT MATERIALS CONTAINING HAIR TREATING SUBSTANCE IN SOLUBLE FORM. NESTLE LANOIL CO. LTD., New York, N. Y.
Filed February 12, 1926. Serial No. 227,245. PUBLISHED MARCH 23, 1926.

213,767. FOOT POWDER FOR HUMAN USE. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,283. PUBLISHED MARCH 23, 1926.

213,768. TONIC FOR POULTRY TO ENCOURAGE EGG PRODUCTION. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,284. PUBLISHED MARCH 23, 1926.

213,769. LICE POWDER. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,285. PUBLISHED MARCH 23, 1926.

213,770. CLEANSING-CREAM PAPER. THE FRESHIE CO. INC., New York, N. Y.
Filed February 15, 1926. Serial No. 227,301. PUBLISHED MARCH 23, 1926.

213,771. VALVES, RELIEF VALVES, PIPE FITTINGS FOR FLUID-CONTAINING TANKS, BOILERS, AND FLUID CONDUITS. THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 15, 1925. Serial No. 224,728. PUBLISHED MARCH 9, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

213,772. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METHUDY TIRE AND RUBBER COMPANY, St. Louis, Mo. Filed Mar. 21, 1925. Serial No. 211,422.

METHUDY

Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Feb. 13, 1925.

213,773. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE CLEVELAND SANDUSKY COMPANY, Cleveland, Ohio. Filed Mar. 12, 1925. Serial No. 210,883.

TOMMY GREEN

Particular description of goods.—Ginger Ale.
Claims use since about Sept. 29, 1924.

[illegible] (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SQUEEZ-EZY MOP CO., INC., New Orleans.
Filed Dec. 9, 1924. Serial No. 206,498.

213,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAQUEL, INCORPORATED, New York, N. Y. Filed Mar. 10, 1925. Serial No. 210,807.

Orange Blossom Fragrancia

Particular description of goods.—Perfumes, Toilet Water, Toilet Powders, Face Creams, Lotions, Bath Salts, Sachets, Hair Tonic, Eyelash Grower, Mentholene Balm, Depilatory, Shampoo, Scalp Salve, Rouge Paste, Liquid Powder.
Claims use since Feb. 17, 1925.

213,776. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLOVERLEAF PRODUCTS CO., Los Angeles, Calif. Filed July 6, 1925. Serial No. 216,884.

CATALINA

Particular description of goods.—Nonalcoholic, Maltless Beverages Used as Soft Drinks and Syrups and Extracts for Making Same.
Claims use since Apr. 15, 1925.

213,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AR-MAND COMPANY, Des Moines, Iowa. Filed May 8, 1925.

[illegible] SECULAR STRAINS, AND SURGICAL AFTER-TREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia
Filed June 4, 1925. Serial No. 215,287. PUBLISHED MARCH 16, 1926.

213,721. MEDICAL MINERAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTERTREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER

[illegible] CANNED SEA FOOD, INCLUDING SALMON, SARDINES, TUNNY, AND LOBSTER; COFFEE; FOOD-FLAVORING EXTRACTS, INCLUDING VANILLA AND LEMON; CORN FLAKES, ROLLED OATS; ALIMENTARY PRODUCTS, INCLUDING MACARONI, SPAGHETTI, AND NOODLES; WHEAT FLOUR, PREPARED PANCAKE FLOUR, BUCKWHEAT FLOUR, STRAINED HONEY, APPLE BUTTER; FRUIT JELLIES, INCLUDING CRAB APPLE, GRAPE, STRAWBERRY, AND PEACH; FRUIT JAMS, INCLUDING RASPBERRY, STRAWBERRY, CRAB APPLE AND PLUM; FRUIT PRESERVES, INCLUDING STRAWBERRY, RASPBERRY, AND

Filed December 21, 1925. Serial No. 224,971. PUBLISHED MARCH 23, 1926.

213,750. LINIMENT. HERBERT F. GOODRICH, doing business as Goodrich Drug Co., Anoka, Minn.
Filed January 9, 1926. Serial No. 225,708. PUBLISHED MARCH 23, 1926.

213,751. BREAD. CLARENCE SAUNDERS CORPORATION, Memphis, Tenn.
Filed February 18, 1925. Serial No. 209,785. PUBLISHED MARCH 16, 1926.

213,695. HAIR COLORINGS, HAIR TINTS, AND HAIR DYES. PARAGON LABORATORIES, INC., Newark, N. J.
Filed December 10, 1925. Serial No. 224,526. PUBLISHED MARCH 16, 1926.

213,696. PERFUMES, TOILET WATER, HAIR TONICS, VANISHING CREAM, BEAUTY POWDER, COMPLEXION POWDER, LILAC VEGETALE, AFTER-SHAVING LOTION, ASTRINGENTS, CRÈME BALM, BATH SALTS, DEODORANTS, NAIL POLISH, CUTICLE PREPARATIONS, SHAMPOO, HAIR OIL, DANDRUFF REMOVER, BRILLIANTINE. MARI TRUDEAU CO., St. Paul, Minn.
Filed December 11, 1925. Serial No. 224,569. PUBLISHED MARCH 16, 1926.

213,697. MEDICINES FOR USE IN KIDNEY AND BLADDER AILMENTS. TEX-A-TONE CHEMICAL COMPANY, Texarkana, Tex.
Filed December 21, 1925. Serial No. 224,997. PUBLISHED MARCH 16, 1926.

213,698. PREPARATION FOR CLEANING AND LUBRICATING FERROTYPE TINS SO THAT GLOSSY PRINTS ON BEING DRIED WILL NOT STICK SO TIGHTLY AS TO BECOME DAMAGED WHILE BEING REMOVED FROM SAID FERROTYPE TINS. THE FEROLENE SALES CO., Kansas City, Mo.
Filed December 26, 1925. Serial No. 225,182. PUBLISHED MARCH 16, 1926.

213,699. INCENSE POWDER AND SCENTED POWDER FOR THE BATH AND BODY. BENJAMIN ALEXANDER, New York, N. Y.
Filed January 2, 1926. Serial No. 225,392. PUBLISHED MARCH 16, 1926.

213,700. PERFUMES, TOILET WATERS, FACE CREAMS, ROUGES, SACHET POWDER, BATH SALTS, BRILLIANTINE, LOTIONS, DENTIFRICES. LECARON FILS, doing business as Parfumerie Gelle Frères, Paris, France.
Filed January 2, 1926. Serial No. 225,427. PUBLISHED MARCH 16, 1926.

NAIL POLISHES, PERFUMES, FACE POWTALCUM POWDERS. LE JOLIE MAIN, INC., k, N. Y.
ry 2, 1926. Serial No. 225,428. PUBH 16, 1926.

ACEUTICAL PRODUCT ADAPTED ATMENT OF SYPHILIS. DR. M. France.
926. Serial No. 225,522. PUB-926.

ILET WATER, FACE POWER, ROUGES, BRILLIANSKIN AND HAIR, FACE ENTIFRICES. MAURICE

No. 225,637. PUB-

Herb Remedies, Bayonne, N. J.
Filed January 9, 1926. Serial No. 225,714. PUBLISHED MARCH 16, 1926.

213,707. MEDICINE FOR RHEUMATISM, CHRONIC AND ACUTE, AND RHEUMATIC PAINS. ANIELA DYGAS, Chicago, Ill.
Filed January 14, 1926. Serial No. 225,915. PUBLISHED MARCH 16, 1926.

213,708. NAIL POLISHES, PERFUMES, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, AND LOTIONS. LE JOLIE MAIN, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,009. PUBLISHED MARCH 9, 1926.

213,709. PERFUMES, PERFUMED POWDERS, AND TOILET WATER. COLGATE & COMPANY, Jersey City, N. J.
Filed January 18, 1926. Serial No. 226,047. PUBLISHED MARCH 16, 1926.

213,710. A PREPARATION FOR USE IN THE TREATMENT OF RAIL CLOTH OF POOL TABLES. ED HAMBLIN, Jr., Woodward, Okla.
Filed January 20, 1926. Serial No. 226,140. PUBLISHED MARCH 16, 1926.

213,711. DENTIFRICES—NAMELY, PASTE, POWDER, AND LIQUID. ARTHUR C. LEVERING, Riderwood, Md.
Filed January 23, 1926. Serial No. 226,294. PUBLISHED MARCH 16, 1926.

213,712. A CHEMICAL FOR THE TREATMENT OF GASOLINE AS A MOTOR FUEL. MOTORITE, INC., Provo, Utah.
Filed January 26, 1926. Serial No. 226,437. PUBLISHED MARCH 16, 1926.

213,713. TOILET PREPARATIONS—VIZ. PERFUME IN LIQUID AND POWDER FORM AND FACE POWDER. SOLON PALMER, New York, N. Y.
Filed January 27, 1926. Serial No. 226,508. PUBLISHED MARCH 16, 1926.

213,714. CORN SUGAR, BEING SOLIDIFIED GLUCOSE, BLEACHED AND UNBLEACHED, IN CHIPS, SLABS, GRANULAR, AND SOLID FORMS, USED IN TANNING. BERNHAN CHEMICAL & METAL CORP., New York, N. Y.
Filed August 17, 1922. Serial No. 168,351. PUBLISHED MARCH 16, 1926.

213,715. POMATUM WITH A BASE OF PROPIDON VACCINE. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,621. PUBLISHED MARCH 16, 1926.

213,716. NOVARSENBENZOL IN TABLET FORM. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,623. PUBLISHED MARCH 16, 1926.

213,717. THEOBROMINACETATE OF SODA. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed October 9, 1924. Serial No. 203,624. PUBLISHED MARCH 16, 1926.

MUSCULAR STRAINS, AND SURGICAL AFTER-TREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,287. PUBLISHED MARCH 16, 1926.

213,721. MEDICAL MINERAL PRODUCTS, AND ESPECIALLY PRODUCTS OF MINERAL MEDICAL MUD AND NATURAL SPRINGS EMPLOYED IN THE TREATMENT OF GOUT, RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, MUSCULAR STRAINS, AND SURGICAL AFTERTREATMENTS AND SIMILAR AILMENTS. ALEXANDER WINTER AND SONS, Bath Pistany, Czechoslovakia.
Filed June 4, 1925. Serial No. 215,288. PUBLISHED MARCH 16, 1926.

213,722. SCREEN HANGER SETS. WARNER HARDWARE SPECIALTY CO., Kansas City, Mo.
Filed January 20, 1926. Serial No. 226,180. PUBLISHED MARCH 23, 1926.

213,723. DEVICE FOR MAKING COFFEE. THE COFFEE MAID CORPORATION, Louisville, Ky.
Filed January 22, 1926. Serial No. 226,231. PUBLISHED MARCH 23, 1926.

213,724. INTRAVENOUS SOLUTIONS FOR THE FOLLOWING MEDICINAL PURPOSES: ANÆMIA, RHEUMATISM, ASTHMA, SYPHILIS, ACNE, PYLETIS, BRONCHITIS, GOITER, AND NEURASTHENIA. INTRAVENOUS PRODUCTS COMPANY OF AMERICA, INC., New York, N. Y.
Filed August 10, 1925. Serial No. 218,645. PUBLISHED MARCH 16, 1926.

213,725. OLEOMARGARINE. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co., St. Louis, Mo.
Filed January 20, 1926. Serial No. 226,171. PUBLISHED MARCH 23, 1926.

213,726. INSECTICIDE SPRAY. STUART PERKINS, North Kansas City, Mo.
Filed October 10, 1925. Serial No. 221,564. PUBLISHED MARCH 23, 1926.

213,727. DRY CLEANERS, LIQUID SOAPS, AND CLEANING COMPOUNDS FOR PAINTED, VARNISHED, AND ENAMELED SURFACES AND MARBLE AND TILE. FRANK S. LYNDALL, doing business as Elbar Laboratories and also as Elbar Chemical Co., Chicago, Ill.
Filed October 24, 1925. Serial No. 222,265. PUBLISHED JANUARY 12, 1926.

213,728. TETRABROMPHENOLPHTHALEIN SODIUM SALT EMPLOYED FOR X-RAY DIAGNOSIS AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed October 28, 1925. Serial No. 222,469. PUBLISHED MARCH 16, 1926.

213,729. FLAME ARRESTERS, GAUGE HATCHES, SWING-PIPE JOINTS, OIL-WELL SWIVELS, BREATHING VALVES, AND TANK MANHOLES. GENERAL MACHINE WORKS, Houston, Tex.
Filed November 10, 1925. Serial No. 223,088. PUBLISHED MARCH 23, 1926.

LESS Beverages Used as Soft Drinks and Syrups and Extracts for Making Same.
Claims use since Apr. 15, 1925.

213,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ABMANN COMPANY, Des Moines, Iowa. Filed May 8, 1925.

BUTTER; CANNED SEA FOOD, INCLUDING SALMON, SARDINES, TUNNY, AND LOBSTER; COFFEE; FOOD-FLAVORING EXTRACTS, INCLUDING VANILLA AND LEMON; CORN FLAKES, ROLLED OATS; ALIMENTARY PRODUCTS, INCLUDING MACARONI, SPAGHETTI, AND NOODLES; WHEAT FLOUR, PREPARED PANCAKE FLOUR, BUCKWHEAT FLOUR, STRAINED HONEY, APPLE BUTTER; FRUIT JELLIES, INCLUDING CRAB APPLE, GRAPE, STRAWBERRY, AND PEACH; FRUIT JAMS, INCLUDING RASPBERRY, STRAWBERRY, CRAB APPLE AND PLUM; FRUIT PRESERVES, INCLUDING STRAWBERRY, RASPBERRY, AND BLACKBERRY; PREPARED MUSTARD, PICKLES, RICE, CATCHUP, CHILI SAUCE, ALLSPICE, CINNAMON, GINGER, MUSTARD, NUTMEG, PAPRIKA, PEPPER, SAGE, FOOD STARCH, FOOD SIRUP, MOLASSES, TEA, VINEGAR, CONDENSED MILK, CHOCOLATE, COCOA, CHEESE. SEHON, STEVENSON & CO., Huntington, W. Va.
Filed November 30, 1925. Serial No. 224,057. PUBLISHED MARCH 16, 1926.

213,732. COUGH SIRUP. SARAH C. AMTER, Cripple Creek, Colo.
Filed December 5, 1925. Serial No. 224,271. PUBLISHED MARCH 16, 1926.

213,733. PREPARATION FOR THE TREATMENT OF SCIATICA, COLDS, LA GRIPPE, RHEUMATISM, NEURALGIA, EARACHE, LUMBAGO, HEADACHE, TOOTHACHE, AND NEURITIS. THE RIDENOUR-BAYLEY DRUG CO. INC., Lima, Ohio.
Filed December 5, 1925. Serial No. 224,294. PUBLISHED MARCH 16, 1926.

213,734. RADIATOR GLYCERIN. PEET BROTHERS COMPANY, Kansas City, Kans.
Filed December 6, 1925. Serial No. 224,421. PUBLISHED MARCH 16, 1926.

213,735. TOILET PREPARATION OF THE DESCRIPTION KNOWN AS BEAUTY CREAM. VASCO PRODUCTS INCORPORATED, Washington, D. C.
Filed December 8, 1925. Serial No. 224,437. PUBLISHED MARCH 16, 1926.

213,736. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, POWDER COMPACTS, ROUGE, LIP STICK, BATH SALT, SOAPS, SACHETS, FACE AND SKIN CREAMS, AND EYEBROW PENCILS. CARL J. PETERSON, doing business as Carillon Parfumerie, San Francisco, Calif.
Filed November 7, 1925. Serial No. 222,995. PUBLISHED MARCH 23, 1926.

213,737. TABLETS TO BE USED IN THE TREATMENT OF ACID STOMACH, GAS, HEARTBURN, INDIGESTION, AND OFFENSIVE BREATH. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed November 27, 1925. Serial No. 223,882. PUBLISHED MARCH 23, 1926.

213,738. ALKALINE POWDER TO BE USED IN THE TREATMENT OF CATARRHAL CONDITIONS OF THE VAGINAL MUCOUS MEMBRANE. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco,

213,753. PERFUMES, TOILET WATERS, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc.,

213,766. PREPARATIONS ADAPTED AND INTENDED FOR USE IN WAVING OR CURLING HAIR INCLUDING LOTIONS AND ABSORBENT MATE-

213,769. LICE POWDER. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.

213,738. ALKALINE POWDER TO BE USED IN THE TREATMENT OF CATARRHAL CONDITIONS OF THE VAGINAL MUCOUS MEMBRANE. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif.
Filed November 27, 1925. Serial No. 223,883. PUBLISHED MARCH 23, 1926.

213,739. POULTRY TABLETS. DR. FALK STOCK REMEDY CO., Cincinnati, Ohio.
Filed November 27, 1925. Serial No. 223,908. PUBLISHED MARCH 9, 1926.

213,740. INSECTICIDE. STANDARD MEDICAL CO., Lansford, Pa.
Filed February 3, 1926. Serial No. 226,834. PUBLISHED MARCH 16, 1926.

213,741. MEDICINE FOR THE TREATMENT OF MENSTRUAL DISORDERS. JAMES E. KNOX, doing business as Nilene Laboratories, New York, N. Y.
Filed February 4, 1926. Serial No. 226,856. PUBLISHED MARCH 16, 1926.

213,742. MOTION-PICTURE FILMS. FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,952. PUBLISHED MARCH 23, 1926.

213,743. INSECTICIDE. TEMPLE GARDEN TEA COMPANY, Atlanta, Ga.
Filed January 30, 1926. Serial No. 226,697. PUBLISHED MARCH 16, 1926.

213,744. CHEMICALS FOR TESTING ALCOHOL. GUY S. CORNISH, doing business as The Protexu Products Company, Cincinnati, Ohio.
Filed February 1, 1926. Serial No. 226,716. PUBLISHED MARCH 16, 1926.

213,745. A COMPOUND FOR INCREASING THE PRODUCTION OF EGGS AND FOR THE TREATMENT OF CHOLERA, GAPE, ROUP, WORMS, AND OTHER DISEASES OF POULTRY. MIDWEST GROCERY CO., Kansas City, Mo.
Filed February 1, 1926. Serial No. 226,729. PUBLISHED MARCH 16, 1926.

213,746. COUGH MIXTURES. SCHWENCKE'S LABORATORIES, Brooklyn, N. Y.
Filed February 1, 1926. Serial No. 226,743. PUBLISHED MARCH 16, 1926.

213,747. PILE REMEDY. CASMITH REMEDY COMPANY, also doing business as Smith Remedy Co., Washington, D. C.
Filed February 2, 1926. Serial No. 226,763. PUBLISHED MARCH 16, 1926.

213,748. EMULSION OF COD-LIVER OIL. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 3, 1926. Serial No. 226,818. PUBLISHED MARCH 16, 1926.

213,749. CORN, BUNION, AND CALLUS REMEDY. JOHN F. HUBER, Racine, Wis.
Filed December 21, 1925. Serial No. 224,971. PUBLISHED MARCH 23, 1926.

213,750. LINIMENT. HERBERT F. GOODRICH, doing business as Goodrich Drug Co., Anoka, Minn.
Filed January 9, 1926. Serial No. 225,708. PUBLISHED MARCH 23, 1926.

213,751. BREAD. CLARENCE SAUNDERS CORPORATION, Memphis, Tenn.
Filed January 14, 1926. Serial No. 225,943. PUBLISHED MARCH 23, 1926.

213,752. HEALING SALVE AND OINTMENT. JAMES MANGEL, doing business as White Cross Salve Co., San Diego, Calif.
Filed January 18, 1926. Serial No. 226,067. PUBLISHED MARCH 23, 1926.

213,753. PERFUMES, TOILET WATERS, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc., a Corporation of Minnesota.
Filed January 26, 1926. Serial No. 226,433. PUBLISHED MARCH 23, 1926.

213,754. PERFUMES, TOILET WATER, FACE CREAMS, TALCUM POWDER, FACE POWDER, AND HAIR TONIC. THE LA SALLE COMPANY, St. Paul, Minn., assignor to La Salle Products, Inc., St. Paul, Minn., a Corporation of Minnesota.
Filed January 26, 1926. Serial No. 226,434. PUBLISHED MARCH 23, 1926.

213,755. MEDICATED GUM FOR TREATMENT OF HEAD COLDS, CATARRH, THROAT, AND BRONCHIAL AILMENTS. JULIUS MILLER, doing business as Uca-Form Sales Company, Hillside, N. J.
Filed January 29, 1926. Serial No. 226,592. PUBLISHED MARCH 16, 1926.

213,756. HYGIENIC PREPARATIONS FOR THE TREATMENT AND PREVENTION OF VAGINAL CATARRH AND OTHER FEMALE DISORDERS. HOLLAND-RANTOS CO., INC., New York, N. Y.
Filed January 30, 1926. Serial No. 226,654. PUBLISHED MARCH 16, 1926.

213,757. GENERAL TONIC. E. J. HART & CO. LTD., New Orleans, La.
Filed January 30, 1926. Serial No. 226,651. PUBLISHED MARCH 23, 1926.

213,758. BLACK PIGMENTS FOR RUBBER, PAINT, INK, COMPOSITION WORK, ETC. BINNEY & SMITH COMPANY, New York, N. Y.
Filed February 1, 1926. Serial No. 226,710. PUBLISHED MARCH 23, 1926.

213,759. HAIR-STRAIGHTENING PREPARATION, SKIN BLEACH, FACE POWDER, AND CLEANSING CREAM. CASMITH REMEDY COMPANY, doing business as Washington Belle Toilet Co., Washington, D. C.
Filed February 2, 1926. Serial No. 226,762. PUBLISHED MARCH 23, 1926.

213,760. BAKING POWDER. R. E. JONES, doing business as Dr. R. E. Jones Baking Powder Co., St. Louis, Mo.
Filed February 2, 1926. Serial No. 226,773. PUBLISHED MARCH 23, 1926.

213,761. COMPRESSED TABLETS CONTAINING CALCIUM LACTATE WITH DESICCATED PARATHYROID GLANDS AND/OR DESICCATED THYROID GLANDS. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed February 2, 1926. Serial No. 226,780. PUBLISHED MARCH 23, 1926.

213,762. THERAPEUTIC AGENT FOR HYPODERMIC INJECTIONS FOR THE TREATMENT OF ARTHRITIS, EPIDIDYMITIS, PYELITIS, AND MANY INFLAMMATORY CONDITIONS. ERNST BISCHOFF CO. INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,938. PUBLISHED MARCH 23, 1926.

213,763. REMEDY FOR DIARRHEA AND COLIC. JACOB S. WURM, New York, N. Y.
Filed February 6, 1926. Serial No. 226,991. PUBLISHED MARCH 23, 1926.

213,764. DISINFECTANTS. KORREX, Los Angeles, Calif.
Filed February 11, 1926. Serial No. 227,179. PUBLISHED MARCH 23, 1926.

213,765. LIQUID STOP LEAK, DRY STOP LEAK, A COMPOUND FOR AUTOMOBILE RADIATORS. WHITE MULE, INC., Carbondale, Ill.
Filed February 11, 1926. Serial No. 227,208. PUBLISHED MARCH 23, 1926.

213,766. PREPARATIONS ADAPTED AND INTENDED FOR USE IN WAVING OR CURLING HAIR INCLUDING LOTIONS AND ABSORBENT MATERIALS CONTAINING HAIR TREATING SUBSTANCE IN SOLUBLE FORM. NESTLE LANOIL CO. LTD., New York, N. Y.
Filed February 12, 1926. Serial No. 227,245. PUBLISHED MARCH 23, 1926.

213,767. FOOT POWDER FOR HUMAN USE. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,283. PUBLISHED MARCH 23, 1926.

213,768. TONIC FOR POULTRY TO ENCOURAGE EGG PRODUCTION. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,284. PUBLISHED MARCH 23, 1926.

213,769. LICE POWDER. DAILEY J. WALKER, doing business as Walker Remedy Company, Waterloo, Iowa.
Filed February 13, 1926. Serial No. 227,285. PUBLISHED MARCH 23, 1926.

213,770. CLEANSING-CREAM PAPER. THE FRESHIE CO. INC., New York, N. Y.
Filed February 15, 1926. Serial No. 227,301. PUBLISHED MARCH 23, 1926.

213,771. VALVES, RELIEF VALVES, PIPE FITTINGS FOR FLUID-CONTAINING TANKS, BOILERS, AND FLUID CONDUITS. THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 15, 1925. Serial No. 224,728. PUBLISHED MARCH 9, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

213,772. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METHUDY TIRE AND RUBBER COMPANY, St. Louis, Mo. Filed Mar. 21, 1925. Serial No. 211,422.

METHUDY

Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Feb. 13, 1925.

213,773. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE CLEVELAND SANDUSKY COMPANY, Cleveland, Ohio. Filed Mar. 12, 1925. Serial No. 210,883.

TOMMY GREEN

Particular description of goods.—Ginger Ale.
Claims use since about Sept. 29, 1924.

213,774. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SQUEEZ-EZY MOP CO., INC., New Orleans, La. Filed Dec. 9, 1924. Serial No. 206,498.

Squeez-Ezy

Particular description of goods.—Floor Mops.
Claims use since May 10, 1922.

213,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAQUEL, INCORPORATED, New York, N. Y. Filed Mar. 10, 1925. Serial No. 210,807.

Orange Blossom Fragrancia

Particular description of goods.—Perfumes, Toilet Water, Toilet Powders, Face Creams, Lotions, Bath Salts, Sachets, Hair Tonic, Eyelash Grower, Mentholene Balm, Depilatory, Shampoo, Scalp Salve, Rouge Paste, Liquid Powder.
Claims use since Feb. 17, 1925.

213,776. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLOVERLEAF PRODUCTS CO., Los Angeles, Calif. Filed July 6, 1925. Serial No. 216,884.

CATALINA

Particular description of goods.—Nonalcoholic, Maltless Beverages Used as Soft Drinks and Syrups and Extracts for Making Same.
Claims use since Apr. 15, 1925.

213,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed May 8, 1925. Serial No. 214,005.

DAHLIA RED

Particular description of goods.—Rouge.
Claims use since Mar. 27, 1925.

213,778. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PICCADILLY INK COMPANY, Baltimore, Md. Filed April 7, 1925. Serial No. 212,348.

BRYT·TYPE

Particular description of goods.—Cleaning Compound for Typewriter Type and All Other Metal Type.
Claims use since Mar. 9, 1925.

213,779. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) G. W. FROST & SONS, Stevens Point, Wis. Filed Feb. 26, 1926. Serial No. 227,834.

FROSTED FLIES

No claim is made to the word "Flies" apart from the mark as shown.
Particular description of goods.—Artificial Fishing Flies.
Claims use since Sept. 1, 1924.

213,780. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DUNLOP TIRE AND RUBBER CORPORATION OF AMERICA, Buffalo, N. Y. Filed Jan. 7, 1926. Serial No. 225,600.

DUNLOP

Particular description of goods.—Tennis Balls.
Claims use since Dec. 1, 1924.

213,781. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CURTIS BAY COPPER & IRON WORKS, Baltimore, Md. Filed Oct. 30, 1925. Serial No. 222,562.

EVERBRITE

Particular description of goods.—Golf Clubs and Golf-Club Heads.
Claims use since Nov. 14, 1922.

213,782. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPRADLIN RUG COMPANY, INC., Los Angeles, Calif. Filed Mar. 23, 1926. Serial No. 229,064.

Spradlin's Odorless

Mothproof
"It's Permanent"

Particular description of goods.—Insecticide in Liquid Form.
Claims use since September, 1924.

213,783. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STEWART PAINT MFG. CO., Minneapolis, Minn. Filed Mar. 20, 1926. Serial No. 228,945.

Stewart's

Particular description of goods.—House Paint, Floor Paint, Miscellaneous Paint.
Claims use since December, 1919.

213,784. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JOSEPH J. O'BRIEN, doing business as The Safe Case Company, Springfield, Mass., and New York, N. Y. Filed Feb. 27, 1926. Serial No. 227,905.

"The Gift of Daily Service"

KEYSAFE

Ball Bearing Lockey Hooks
Key Selector-Separator
Double Pocket
Permanent Number and its Police Registration insure Quick Return of Lost Keys

Protecting keys, property time and garments

The Safe Case

Particular description of goods.—Key Cases and Key Holders.
Claims use since Mar. 1, 1924.

213,785. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE HOLLINWOOD, Cranford, N. J. Filed Jan. 20, 1923. Serial No. 174,835.

TIMEKUMPAS

Particular description of goods.—Combination Time Indicator and Sighting Compass—Namely, Sundials or Instruments of the Class in Which the Time of Day is Indicated by a Shadow Combined with a Compass.
Claims use since Aug. 1, 1922.

213,786. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Filed Apr. 10, 1926. Serial No. 229,946.

ARMSTRONG'S

Particular description of goods.—Cork Cots for Spinning Frames.
Claims use since Jan. 7, 1925.

213,787. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BALDWIN TOOL WORKS, Parkersburg, W. Va. Filed Sept. 21, 1925. Serial No. 220,490.

MADE BY
BALDWIN
TOOL WORKS
TRADE MARK

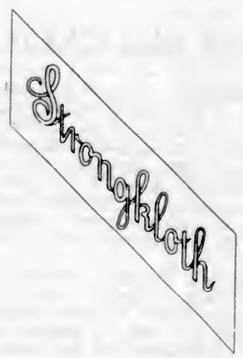
No claim is made to the words "Trade Mark" apart from the mark as shown.
Particular description of goods.—Shovels, Spades, Scoops, Posthole Diggers, Wooden Handles, and Parts Thereof.
Claims use since about Mar. 20, 1925.

213,788. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HUBBARD PRODUCTS COMPANY, Kokomo, Ind. Filed Jan. 20, 1926. Serial No. 226,144.

VENTILATING-EAVES

Particular description of goods.—Vehicle Ventilators.
Claims use since July 15, 1924.

213,789. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE EDDYSTONE MANUFACTURING COMPANY, Eddystone, Pa. Filed Mar. 26, 1926. Serial No. 229,222.



Particular description of goods.—Bleached, Unbleached, Printed, and Dyed Cotton Textile Fabrics.
Claims use since Sept. 30, 1914.

213,790. (CLASS 2. RECEPTACLES.) BATES VALVE BAG COMPANY, Chicago, Ill. Filed Jan. 13, 1926. Serial No. 225,865.

BATES
MULTI-WALL BAG
PATENTED

No claim is made to the word "Bag" or "Patented" except in connection with the mark as shown.
Particular description of goods.—Bags Used for Packaging and Handling Materials of Various Kinds.
Claims use since Oct. 15, 1924.

213,791. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EMILE BOISSEAU, doing business as Leon Pelleray, Paris, France. Filed Dec. 19, 1925. Serial No. 224,897.

L. PELLERAY

Particular description of goods.—Nonelectric Irons for Curling and Waving the Hair.
Claims use since about 1900.

213,792. (CLASS 12. CONSTRUCTION MATERIALS.) W. R. PICKERING LUMBER COMPANY, Pickering, La., and Kansas City, Mo. Filed Nov. 9, 1925. Serial No. 223,052.

PICKERING

Particular description of goods.—Lumber.
Claims use since Apr. 1, 1925.

213,793. (CLASS 2. RECEPTACLES.) THE LEWY CHEMICAL CO., New York, N. Y. Filed Sept. 11, 1925. Serial No. 220,131.

CEDARIZED

Particular description of goods.—Garment Bags.
Claims use since October, 1919.

213,794. CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PERFECTION COOK-WARE CORP., Chicago, Ill. Filed Sept. 4, 1925. Serial No. 219,841.

PERFECTION

Particular description of goods.—Double Boilers, Teakettles, Waffle Molds, Coffeepots and Stands, Frying Pans, Casseroles, Preserving Kettles, Self-Basting Roasters, Saucepans, Combination Griddles and Boilers, Ronsters, and Broilers, All Made of Base Metal.
Claims use since Apr. 7, 1925.

213,795. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed May 5, 1925. Serial No. 213,823.

HYSHEEN

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 22, 1925.

213,796. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) IVAN M. RENFROW, Denver, Colo. Filed Mar. 14, 1925. Serial No. 211,054.

Renfrow's Green Wax

The words "Green Wax" are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Wax for Use in Taking Impressions in Conjunction With the Making of Artificial Teeth.
Claims use since Nov. 12, 1924.

213,797. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. G. KUNZE, Chicago, Ill. Filed June 9, 1922. Serial No. 165,236.

"SUREPURE"

Particular description of goods.—Preserved Fruits, Jellies, Jams, and Other Food Products—Namely, Jams, Jellies, Marmalade, Preserved Berries, Canned Salads and Salad Dressing, Pickled Fruits and Vegetables, Spiced Onions, Watermelon Rind, Melon Mangoes, Mustard Cucumber, Cucumber Rings, Chowchow, Piccalilli, Spiced Gherkin; Pickled Tomatoes, Pears, and Peaches; Canned Fruits in Grenadine, Canned Tunny Fish, Sardellen and Chicken Livers, Fresh Chicken Livers, Preserved Rose Leaves for Food Purposes, Marrons, Olive Relish, Mincemeat, Smoked Herring, and Fruit Sirups for Family Use.
Claims use since Aug. 14, 1908.

213,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.). EDWIN E. BERLINER & Co., New York, N. Y. Filed Aug. 26, 1924. Serial No. 201,877.

TRUCOLOR

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 25, 1924.

213,799. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Sept. 8, 1925. Serial No. 219,960.

Eventone

Particular description of goods.—Ready-Mixed Paints.
Claims use since Apr. 7, 1925.

TRADE-MARK REGISTRATIONS RENEWED

26,026. MEDICATED MATERIAL, POWDERED OR DISSOLVED, FOR USE ON THE HUMAN BODY. Registered February 12, 1895. MEDICAL NOVELTY COMPANY. Renewed February 12, 1925, to Borine Mfg. Co., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

27,946. WOOD PRESERVATIVES. Registered March 10, 1896. WM. MENZEL & SON, New York, N. Y. Renewed March 10, 1926.

28,001. WOOD AND PLANT PRESERVERS. Registered March 24, 1896. WM. MENZEL & SON, New York, N. Y. Renewed March 24, 1926.

28,223. STARCH AND ITS PREPARATIONS, SOAP, SOAP POWDER, SODA, BLUE, BORAX, AND THE LIKE. Registered May 5, 1896. HOFFMAN'S STÄRKEFABRIKEN, Salzuflen, Germany. Renewed May 5, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,468. FLOWERING BULBS. Registered June 30, 1906. R. & J. FARQUHAR & Co. Renewed June 30, 1926, to R. & J. Farquhar Company, Boston, Mass., a Corporation of Massachusetts, successor.

28,496. PERFUMES, POWDERS, SOAPS, DENTIFRICE, CREAMS, HAIR OILS, AND SIMILAR GOODS. Registered June 30, 1896. RICHARD HUDNUT. Renewed June 30, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

28,497. EXTRACTS, WATERS, LOTIONS, COLOGNES, POWDERS, OILS, CREAMS, SOAPS, AND THE LIKE. Registered June 30, 1896. RICHARD HUDNUT. Renewed June 30, 1926, to Richard Hudnut, New York, N. Y., a Corporation of New York, assignee.

28,515. PAINTS, DRIERS, AND VARNISHES. Registered June 30, 1896. G. C. LISZKA INCORPORATED, Brooklyn, N. Y. Renewed June 30, 1926, to Lion Varnish Company, Glendale, N. Y., a Corporation of New York, successor.

28,543. PORTLAND CEMENT. Registered July 7, 1896. ALSEN'SCHE PORTLAND CEMENT FABRIKEN, Hamburg, Germany. Renewed July 7, 1926.

28,546. A BLOOD PURIFIER AND LIVER REGULATOR. Registered July 7, 1896. LLEWELLYN WHITING ESTES, Washington, D. C. Renewed July 7, 1926.

28,679. PHARMACEUTICAL AND COSMETICAL PRODUCTS. Registered July 28, 1896. NORDDEUTSCHE WOLLKÄMMEREI & KAMMGARNSPINNEREI, Bremen, Germany. Renewed July 28, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

28,778. CRACKERS AND BISCUITS. Registered August 8, 1896. AMERICAN BISCUIT AND MANUFACTURING Co., Chicago, Ill. Renewed August 8, 1926, to National Biscuit Company, New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

28,858. RAILROAD-TRACK, BLACKSMITHS', STONEMASONS', MINING, IRONWORKERS', AND WOODWORKERS' TOOLS. Registered September 1, 1896. VERONA TOOL WORKS, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed September 1, 1926.

28,884. LAMP BURNERS. Registered September 15, 1896. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn., a Corporation of Connecticut. Renewed September 15, 1926.

48,342. TIRES, BANDAGES, REPAIR SHEETS, PLASTERS, AND PATCHES. Registered December 26, 1905. CONTINENTAL CAOUTCHOUC COMPANY, New York, N. Y. Renewed December 26, 1925, to Continental Caoutchouc- und Gutta-Percha Compagnie, Hanover, Germany, a Corporation of Germany, assignee.

49,051. THREADS, CHENILLE, AND ARRASENE. Registered January 23, 1906. HENRY E. FRANKENBERG COMPANY. Renewed January 23, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,052. SILKS. Registered January 23, 1906. HENRY E. FRANKENBERG COMPANY. Renewed January 23, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,196. TRIMMINGS AND BRAIDS. Registered January 30, 1906. HENRY E. FRANKENBERG COMPANY. Renewed January 30, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,197. TRIMMINGS AND BRAIDS. Registered January 30, 1906. HENRY E. FRANKENBERG COMPANY. Renewed January 30, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,235. SILKS. Registered January 30, 1906. HENRY E. FRANKENBERG COMPANY. Renewed January 30, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

49,251. ELECTRIC FANS. Registered January 30, 1906. THE JANDUS ELECTRIC CO. Renewed January 30, 1926, to The National Screw & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio, assignee by mesne assignments.

49,275. THREADS, CHENILLE, TINSEL, AND ARRASENE. Registered January 30, 1906. HENRY E. FRANKENBERG. Renewed January 30, 1926, to John A. Kraemer Co., Inc., New York, N. Y., a Corporation of New York, assignee.

50,830. AUTOMOBILES AND THEIR COMPONENT PARTS. Registered April 3, 1906. THE BIRMINGHAM SMALL ARMS COMPANY LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed April 3, 1926.

50,864. COCOA. Registered April 3, 1906. C. J. VAN HOUTEN & ZOON. Renewed April 3, 1926, to C. J. Van Houten and Zoon, Weesp, Netherlands, a Limited Stock Company of Netherlands, successor.

50,890. CYCLES, MOTOR CYCLES, AND PARTS THEREOF. Registered April 3, 1906. THE BIRMINGHAM SMALL ARMS COMPANY LIMITED, Birmingham, England, a Corporation of Great Britain. Renewed April 3, 1926.

51,760. INDIA-RUBBER BAGS AND POUCHES. Registered April 24, 1906. CONTINENTAL CAOUTCHOUC COMPANY, New York, N. Y. Renewed April 24, 1926, to Continental Caoutchouc und Gutta-Percha Compagnie, Hanover, Germany, a Corporation of Germany, assignee.

52,129. CANNED FRUITS AND VEGETABLES. Registered May 1, 1906. BLOOMINGTON CANNING CO., Bloomington, Ill., a Corporation of Illinois. Renewed May 1, 1926.

52,570. MEN'S COATS AND TROUSERS. Registered May 15, 1906. EDWIN M. GOLDSMITH. Renewed May 15, 1926, to Louis Goldsmith, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

53,347. MEDICINES FOR CERTAIN NAMED DISEASES. Registered May 29, 1906. EDWARD P. MERTZ. Renewed May 29, 1926, to Edward H. Mertz, doing business as The Kosine Co., Washington, D. C., assignee.

53,354. MEDICINES FOR THE CURE OF ALCOHOLIC AND DRUG HABITS. Registered May 29, 1906. THE ORRINE COMPANY OF THE DISTRICT OF COLUMBIA. Renewed May 29, 1926, to Marjorie R. Rankin, doing business as Orrine Company, Washington, D. C., assignee.

53,527. A MEDICINE FOR GRAVES' DISEASE. Registered June 5, 1906. VEREINIGTE CHEMISCHE WERKE AKTIENGESELLSCHAFT, Charlottenburg, Germany. Renewed June 5, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,307. STEEL. Registered June 26, 1906. HOWE, BROWN & Co. LTD., Pittsburgh, Pa. Renewed June 26, 1926, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey, assignee.

55,490. BRONZE COLORS, BROCADES, AND LEAF METALS. Registered August 14, 1906. L. AUERBACH & Co., Fuerth, Germany. Renewed August 14, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

LABELS

REGISTERED JUNE 1, 1926.

30,386.—*Title:* BEAUTY TEST PACKET. For Assorted Cosmetics. THE ARMAND COMPANY, Des Moines, Iowa. Published March 8, 1926.

30,387.—*Title:* VANILLA SWEET CHOCOLATE. For Chocolate. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,388.—*Title:* BEST SWEET CHOCOLATE. For Chocolate. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,389.—*Title:* W. H. BAKER BEST COCOA. For Cocoa. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,390.—*Title:* OLD VIRGINIA SWEET MILK CHOCOLATE. For Sweet Milk Chocolate. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,391.—*Title:* OLD VIRGINIA VANILLA SWEET CHOCOLATE. For Chocolate. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,392.—*Title:* PREMIUM CHOCOLATE NO. 1. For Chocolate. W. H. BAKER, INC., Red Hook, N. Y. Published March 1, 1926.

30,393.—*Title:* CAMPAIGN CIGAR VOTE FOR. For Cigars. JAMES W. W. BRODIS and EDWARD L. BRODIS, Melrose, Mass. Published November 14, 1925.

30,394.—*Title:* RICE'S SPLIT-TOP BREAD. For Bread. THE CITY BAKING COMPANY, Baltimore, Md. Published March 25, 1926.

30,395.—*Title:* F. S. DUFFY'S COUGH-LASSES FOR COUGHS, COLDS, AND HOARSENESS. For a Medicinal Preparation. F. S. DUFFY MEDICINE CO., New Bern, N. C. Published March 3, 1926.

30,396.—*Title:* SANATONINUM. For Drugs and Chemicals. THE EASTERN & RUSSIAN TRADING CO., LTD., London, England. Published April 1, 1926.

30,397.—*Title:* FINLIN NOVELTY SHOES. For Shoes. FINLIN NOVELTY SHOES, Boston, Mass. Published March 15, 1926.

30,398.—*Title:* OUR DRUGGISTS DOZEN. For Pemco, a Medicinal Preparation. GEORGE F. FISKE, doing business as Prophylacto Manufacturing Company, Chicago, Ill. Published January 29, 1926.

30,399.—*Title:* FRISCH PROCESS. For Bread. EMILE FRISCH, Chicago, Ill. Published March 11, 1926.

30,400.—*Title:* HAPPY LAND CANDIES. For Candy. GEORGE HAAS & SONS, San Francisco, Calif. Published April 12, 1926.

30,401.—*Title:* JANE MONROE. For Shoes. THE HARPER & KIRSCHTEN SHOE CO., Chicago, Ill. Published February 24, 1926.

30,402.—*Title.* CASSINE CHAMPAGNE. For Champagne. STEPHEN M. HOYE, doing business as Cassine Products Co., Brooklyn, N. Y. Published January 20, 1925.

30,403.—*Title:* EX-O-DERM. For a Medical Preparation. SHELBY O. ISHLER, doing business as Ex-O-Derm Co., Chickasha, Okla. Published October 3, 1925.

30,404.—*Title:* NOURISHING JAX MALT. For Malt Tonic. JACKSON BREWING COMPANY, New Orleans, La. Published January 1, 1926.

30,405.—*Title:* JACKSON ORANGE. For an Orange-Flavored Soft Drink. JACKSON BREWING COMPANY, New Orleans, La. Published January 1, 1926.

30,406.—*Title:* OLD MUNICH. For Malt Sirup. CHARLES G. MCCAFFREY, doing business as Old Munich Sales Company, Pittsburgh, Pa. Published May 3, 1926.

30,407.—*Title:* GLENDALE FARM EGGS. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Emil Fleischl & Son, New York, N. Y. Published February 2, 1926.

30,408.—*Title:* M B BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Mueller Baking Co., Bowling Green, Mo. Published April 22, 1926.

30,409.—*Title:* RED CIRCLE BITTER SWEETS. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published April 9, 1926.

30,410.—*Title:* PRINCESS CHOCOLATE COATED PINEAPPLE. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published April 29, 1926.

30,411.—*Title:* NIAGARA MACARONI. For Macaroni. NIAGARA MACARONI MANUFACTURING COMPANY, INC., Buffalo, N. Y. Published March 19, 1926.

30,412.—*Title:* SUNRISE MACARONI. For Macaroni. NIAGARA MACARONI MANUFACTURING COMPANY, INC., Buffalo, N. Y. Published March 19, 1926.

30,413.—*Title:* SERGEANT'S SHAMPOO SOAP FOR SCALP AND HAIR. For Shampoo Soap. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,414.—*Title:* SERGEANT'S DISINFECTANT. For Disinfectant for Dogs and General Household Use. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,415.—*Title:* SERGEANT'S SKIP FLEA POWDER. For Powder for Fleas, Lice, and Certain Other Vermin on Dogs and Cats. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,416.—*Title:* SERGEANT'S MANGE MEDICINE. For Medicine for Treating Maladies of the Hair and Scalp of Human Beings and Also for Treating Mange, Etc., on Dogs and Other Animals. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,417.—*Title:* SERGEANT'S COUGH MEDICINE. For Medicine for Coughs, Colds, and Bronchial Troubles. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,418.—*Title:* SERGEANT'S CANKER WASH. For a Wash for Treating Internal and External Canker of the Ear on Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,419.—*Title:* SERGEANT'S EYE WASH. For a Wash for Treating Granulated Lids, Bloodshot Eyes, Irritations, and Bruises. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,420.—*Title:* SERGEANT'S DISTEMPER MEDICINE. For Medicine for Distemper. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,421.—*Title:* SERGEANT'S WELL MOUTH. For a Liquid Preparation for Treating Sore Mouth, Etc., in Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926

30,422.—*Title:* SERGEANT'S DOG RUB. For a Rubbing Oil for Sprains, Lameness, Stiff Joints, Strains, Sore Muscles, and Rheumatism. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,423.—*Title:* SERGEANT'S RUN-FIT MEDICINE. For Medicine for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,424.—*Title:* SERGEANT'S SURE SHOT. For a Liquid Preparation for Treatment of Worms in Small Dogs and Pups. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,425.—*Title:* SERGEANT'S SKIP-FLEA SOAP. For Soap for the Human Scalp and Also for Killing Vermin on Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,426.—*Title:* SERGEANT'S CARBOLIC TAR SOAP. For an All-Purpose Soap that Refreshes and Cleanses. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,427.—*Title:* SERGEANT'S DIARRHOEA MEDICINE. For Medicine for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,428.—*Title:* SERGEANT'S TAPE WORM MEDICINE. For Medicine for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,429.—*Title:* SERGEANT'S CONDITION PILLS. For Pills for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,430.—*Title:* SERGEANT'S ARSENIC AND IRON PILLS. For Pills for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,431.—*Title:* SERGEANT'S PEPSIN TABLETS. For Tablets for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,432.—*Title:* SERGEANT'S SURE SHOT CAPSULES. For Capsules for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,433.—*Title:* SERGEANT'S CONSTIPATION CAPSULES. For Capsules for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,434.—*Title:* SERGEANT'S RHEUMATIC PILLS. For Rheumatic Pills for Dogs. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published April 5, 1926.

30,435.—*Title:* RUSCONI SPECIAL GRAPES. For Grapes. LOUIS RUSCONI, Fresno, Calif. Published November 1, 1925.

30,436.—*Title:* QUALITY INN. For Cocoa. SORVER, MCEVOY & CO., Philadelphia, Pa. Published March 24, 1926.

30,437.—*Title:* QUALITY INN. For Tea. SORVER, MCEVOY & CO., Philadelphia, Pa. Published March 24, 1926.

30,438.—*Title:* STOCKING'S BRAND. For Canned Asparagus. GEORGE E. STOCKING, doing business as George E. Stocking Canning Factory, Rochelle, Ill. Published April 5, 1926.

30,439.—*Title:* RED HEAD. For Mop Sticks. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Published March 12, 1926.

30,440.—*Title:* 36 OBESTOID CAPSULES. For Capsules for the Treatment of Obesity. ANTON THOMAS, doing business as Nulyne Mfg. Co., St. Louis, Mo. Published March 5, 1925.

30,441.—*Title:* THOMPSON'S KIDNEY AND BLADDER PILLS. For Kidney and Bladder Pills. EDWARD B. THOMPSON, Spokane, Wash. Published April 5, 1926.

30,442.—*Title:* PORIT. For Fluid Soap. CHAS. W. YOUNG & CO., Philadelphia, Pa. Published April 7, 1926.

PRINTS

REGISTERED JUNE 1, 1926.

8,857.—*Title:* THE BOYS OF TODAY ARE THE MEN OF TOMORROW. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 1, 1926.

8,858.—*Title:* EVERY PATIENT CAN EAT IT—AS GRUEL, CEREAL, OR IN SIMPLE DELICIOUS DESSERTS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 1, 1926.

8,859.—*Title:* SCHOOL AND SPRING. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 27, 1926.

8,860.—*Title:* DO THIS IN APRIL AND MAY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 23, 1926.

8,861.—*Title:* GET UP EARLY TO-MORROW SAVE! For Furniture. DEUTSCH BROS., New York, N. Y. Published March 22, 1926.

8,862.—*Title:* OMAR COAL. For Coal. LOUIS A. DRISCOLL, doing business as L. A. Driscoll Coal Company, Lansing, Mich. Published April 9, 1926.

8,863.—*Title:* FLEXYDE BASEBALLS—OFFICIAL STANDARD—WATERPROOF COVER—CORK AND RUBBER CENTER. For Baseballs Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY INC., Akron, Ohio. Published March 25, 1926.

8,864.—*Title:* THE HAPPY HOME SUITE. For Upholstered Furniture. JAMESTOWN UPHOLSTERY CO. INC., Jamestown, N. Y. Published February 12, 1926.

8,865.—*Title:* SOUND WAVE. For Bank-Vault-Protection Systems. O. B. MCCLINTOCK COMPANY, Minneapolis, Minn. Published March 3, 1926.

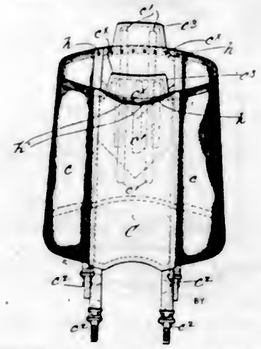
8,866.—*Title:* L. M. MEYER'S—FOR GOOD EATING. For Meat Products. LOUIS MEYER CO., Brooklyn, N. Y. Published April 3, 1926.

8,867.—*Title:* WESTERN WONDER. For Cottonseed. SUMMEROUR & SON, Vernon, Tex. Published February 10, 1926.

REISSUES

JUNE 1, 1926.

16,357. COMBINATION GARMENT FOR FEMININE WEAR. HERBERT FRANKEL, New York, N. Y., assignor to Franco Corset Company, Inc., New York, N. Y. Filed Sept. 19, 1925. Serial No. 57,478. Original No. 1,545,245, dated July 7, 1925, Serial No. 3,932, filed Jan. 22, 1925. 4 Claims. (Cl. 2—30.)



4. A combination garment of the character described, comprising a corset section and a brassière section, and means for detachably uniting said component parts, the corset section being formed with an upward extension forming with the coinciding overlapping portion of the corset a pocket for detachable uniting means.

16,358. REVERSIBLE-TOP HOSE. JOHN E. FITZGIBBON, Milwaukee, Wis., assignor to Phoenix Hosiery Company, a Corporation of Wisconsin. Filed Mar. 23, 1926. Serial No. 96,891. Original No. 1,529,123, dated Mar. 10, 1925, Serial No. 710,734, filed May 3, 1924. 6 Claims. (Cl. 2—239.)

2. A stocking including a foot, a main leg portion and a top portion, having its lower edge permanently secured to the upper edge of said main leg portion and said top portion including an outer and an inner ply, the outer ply being formed of a relatively bulky material and the inner ply being formed of a relatively fine material, the open end of said top portion adapted to be rolled down towards the main leg portion with the bulky material forming the inside of the roll and hid thereby and the exposed outside of the roll formed by the fine material.

DESIGNS

JUNE 1, 1926.

70,259. BOX OR LIKE ARTICLE FOR DRY-FOOD PRODUCTS. CARROLL W. ALLEN, New Orleans, La. Filed Jan. 27, 1926. Serial No. 16,290. Term of patent 14 years.

The ornamental design for a box or like article for dry food products as shown.

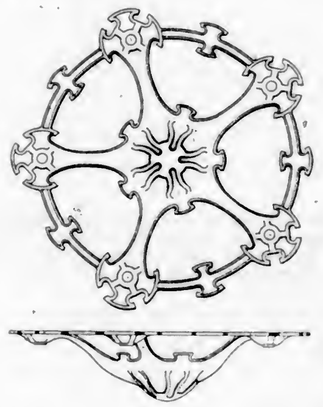
70,260. FINGER RING. HENRY BENZ, Newark, N. J., assignor to Meyer & Gross, a Corporation of New Jersey. Filed Apr. 14, 1926. Serial No. 17,298. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,261. BEVERAGE BOTTLE. FRANK W. BIRELEY, Los Angeles, Calif. Filed Dec. 24, 1925. Serial No. 15,845. Term of patent 14 years.

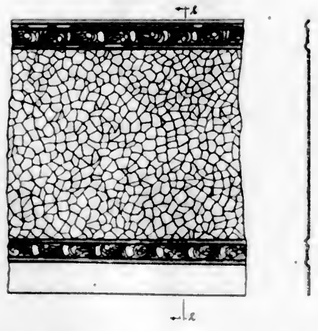
The ornamental design for a beverage bottle, as shown.

70,262. BODY FRAME FOR LIGHTING FIXTURES. JEROME R. BUCHANAN and ROBERT H. ABBOTT, Los Angeles, Calif. Filed Mar. 16, 1926. Serial No. 16,949. Term of patent 7 years.



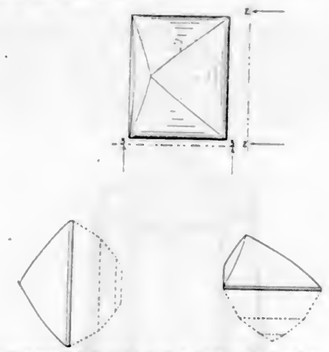
The ornamental design for a body frame for lighting fixtures as shown.

70,263. METAL STRIP. FRED M. CARR, Winchester, Mass. Filed Feb. 12, 1925. Serial No. 12,361. Term of patent 3½ years.



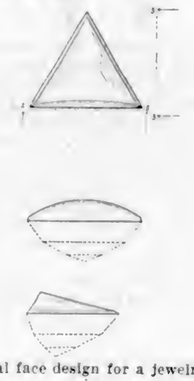
The ornamental design for a metal strip, as shown.

70,264. JEWELRY STONE. EDWIN M. CRAFT, Indianapolis, Ind. Filed Sept. 28, 1925. Serial No. 14,926. Term of patent 14 years.



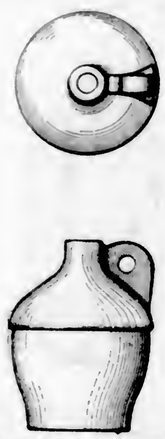
The ornamental design for a jewelry stone as shown.

70,265. JEWELRY STONE. EDWIN M. CRAFT, Indianapolis, Ind. Filed Sept. 28, 1925. Serial No. 14,927. Term of patent 14 years.



The ornamental face design for a jewelry stone substantially as shown.

70,266. JAR. WILLIAM S. CROSBY, Manitou, Colo. Filed Aug. 24, 1925. Serial No. 14,580. Term of patent 7 years.



The ornamental design for a jar, as shown.

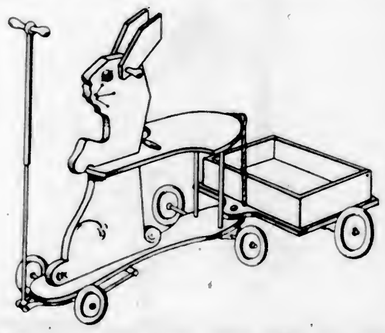
70,267. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 23, 1926. Serial No. 17,410. Term of patent 3½ years.

The ornamental design for a shoe, as shown.

70,268. ANKLET. GILBERT DISKEN, Brooklyn, N. Y. Filed Apr. 10, 1926. Serial No. 17,242. Term of patent 3½ years.

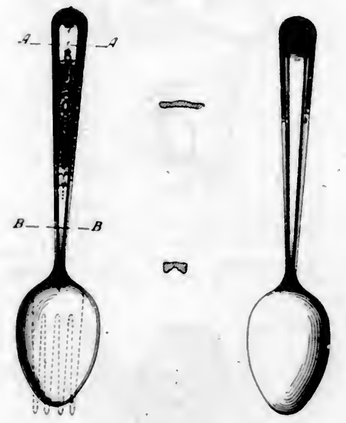
The ornamental design for an anklet as shown and described.

70,269. CHILD'S VEHICLE. HARRY W. DYER, New York, N. Y. Filed Feb. 23, 1926. Serial No. 16,630. Term of patent 7 years.



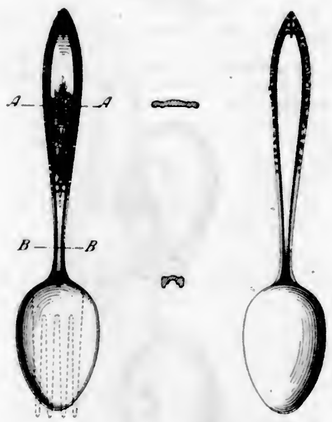
The ornamental design for a child's vehicle as shown.

70,270. SPOON OR SIMILAR ARTICLE. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to Weidlich Sterling Spoon Co., Bridgeport, Conn., a Firm composed of Louis Weidlich, Frank B. Weidlich, and William Weidlich. Filed Mar. 11, 1925. Serial No. 12,686. Term of patent 14 years.



The ornamental design for spoon or similar article substantially as shown.

70,271. SPOON OR SIMILAR ARTICLE. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 11, 1925. Serial No. 12,687. Term of patent 14 years.

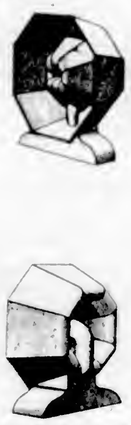


The ornamental design for spoon or similar article substantially as shown.

70,272. RADIOHORN. JAMES M. GAAR, New York, N. Y. Filed Aug. 19, 1924. Serial No. 10,488. Term of patent 3½ years.

The ornamental design for a radiohorn, as shown.

70,273. RADIOHORN. JAMES M. GAAR, New York, N. Y. Filed Aug. 19, 1924. Serial No. 10,489. Term of patent 3½ years.

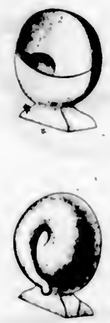


The ornamental design for a radiohorn, as shown.

70,274. RADIOHORN. JAMES M. GAAR, New York, N. Y. Filed Aug. 19, 1924. Serial No. 10,490. Term of patent 3½ years.

The ornamental design for a radiohorn, as shown.

70,275. RADIOHORN. JAMES M. GAAR, New York, N. Y. Filed Aug. 20, 1924. Serial No. 10,503. Term of patent 3½ years.

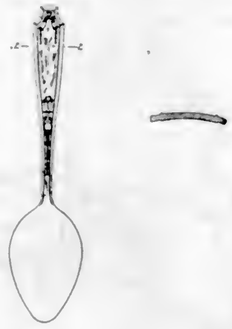


The ornamental design for a radiohorn, as shown.

70,276. RING. FLORENCE I. HAMMOND, Chicago, Ill. Filed Mar. 23, 1925. Serial No. 12,853. Term of patent 14 years.

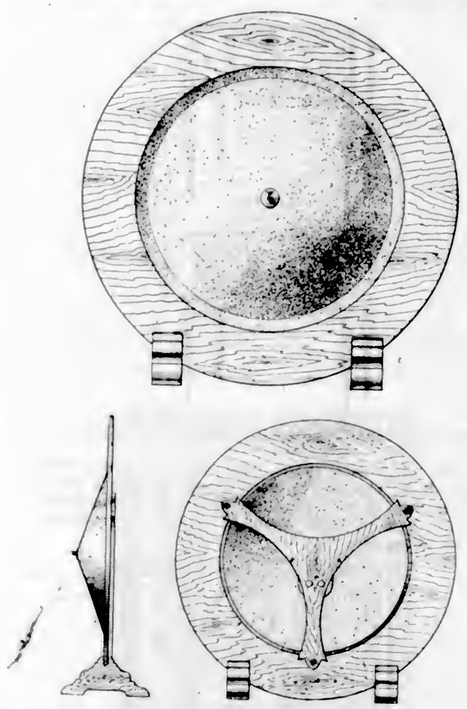
The ornamental design for a ring as shown.

70,277. SPOON OR SIMILAR ARTICLE. HENRIK HILLBOM, Wallingford, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Filed Apr. 14, 1926. Serial No. 17,301. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

70,278. LOUD SPEAKER. MARCUS C. HOPKINS, Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Dec. 22, 1925. Serial No. 15,822. Term of patent 14 years.

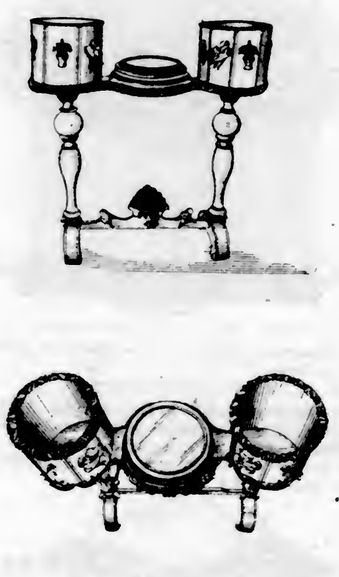


The ornamental design for a loud speaker substantially as shown.

70,279. AUTOMOBILE HORN. WILLIAM B. JUPP, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 5, 1924. Serial No. 8,831. Term of patent 14 years.

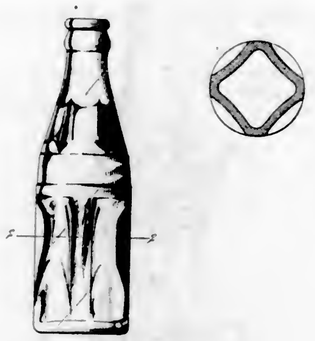
The ornamental design for an automobile horn, as shown.

70,280. FERNERY STAND. CHARLEY KOWALSKI, Chicago, Ill. Filed Sept. 2, 1925. Serial No. 14,695. Term of patent 7 years.



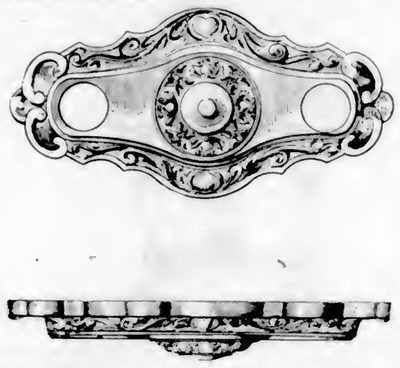
The ornamental design for a fernery stand, as shown.

70,281. BOTTLE. JOHN M. LENTS, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 15, 1926. Serial No. 16,532. Term of patent 14 years.



The ornamental design for a bottle, as shown.

70,282. BACKPLATE FOR LIGHTING FIXTURES. BENJAMIN LESHOWITZ, Brooklyn, N. Y., assignor to Colonial Metal Spinning & Stamping Co., New York, N. Y. Filed Mar. 23, 1926. Serial No. 17,025. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixtures, as shown.

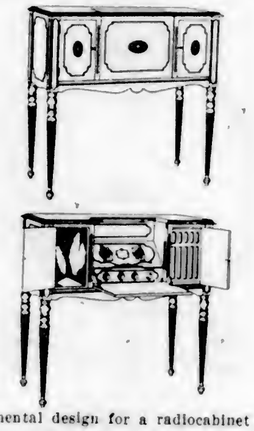
70,283. BRIDGE-LAMP ARM. NATHAN A. LEVITAN, Brooklyn, N. Y., assignor to J. J. Braze Co., a Copartnership composed of J. J. Braze and N. A. Levitan, New York, N. Y. Filed Apr. 2, 1926. Serial No. 17,168. Term of patent 3½ years.

The ornamental design for a bridge lamp arm, as shown.

70,284. BOTTLE OR SIMILAR ARTICLE. ALBERT DAVID LEWIS, Atlanta, Ga. Filed Mar. 9, 1926. Serial No. 16,850. Term of patent 14 years.

The ornamental design for a bottle or similar article, as shown.

70,285. RADIOCABINET. EDWARD B. MALLORY, Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,027. Term of patent 14 years.



The ornamental design for a radiocabinet as shown.

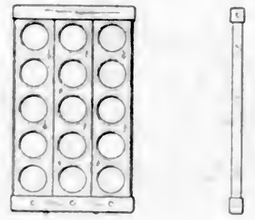
70,286. RADIOCABINET. EDWARD B. MALLORY, Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,029. Term of patent 14 years.

The ornamental design for a radiocabinet as shown.

70,287. SOUND-REPRODUCER CABINET. EDWARD B. MALLORY, Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 17,031. Term of patent 14 years.

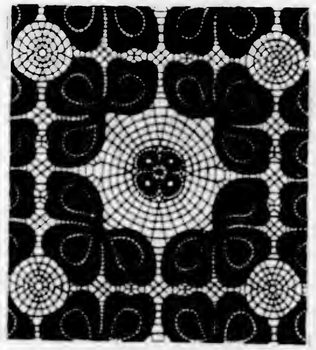
The ornamental design for a sound reproducer cabinet, as shown.

70,288. COIN RECEPTACLE. ALVIN R. MARTINE, New York, N. Y. Filed May 3, 1924. Serial No. 9,480. Term of patent 14 years.



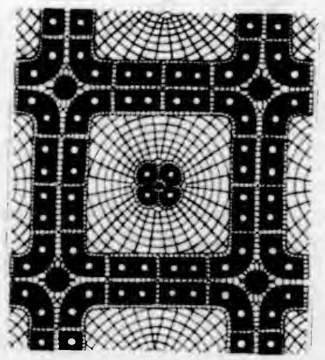
The ornamental design for a coin receptacle as shown.

70,289. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 31, 1926. Serial No. 17,146. Term of patent 3½ years.



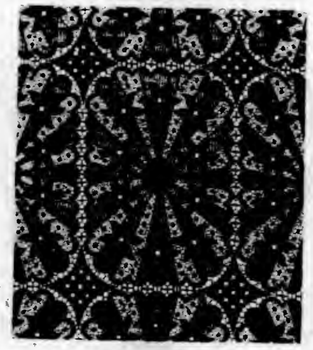
The ornamental design for lace substantially as shown.

70,290. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 31, 1926. Serial No. 17,147. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

70,291. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 5, 1926. Serial No. 17,192. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

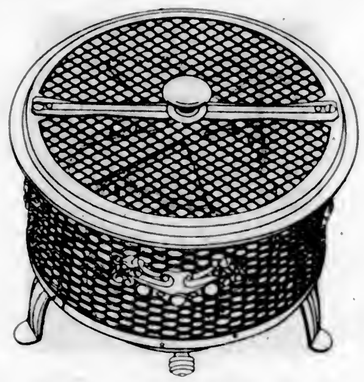
70,292. DOOR CATCH. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 12, 1924. Serial No. 10,761. Term of patent 14 years.

The ornamental design for a door catch, as shown.

70,293. ASH RECEIVER. ALFRED G. SAMWAYS, Providence, R. I. Filed Mar. 20, 1926. Serial No. 16,997. Term of patent 3½ years.

The ornamental design for an ash receiver, as shown.

70,294. FAN CASING. JULIUS SCHIRRA, Cleveland Heights, Ohio. Filed Jan. 23, 1926. Serial No. 16,239. Term of patent 3½ years.

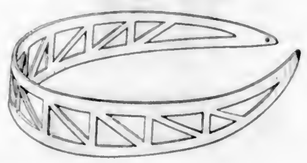


The ornamental design for a fan casing as shown.

70,295. PILLOW. DORA AMELIA SCHWEIKER, Los Angeles, Calif. Filed Jan. 25, 1926. Serial No. 16,259. Term of patent 3½ years.

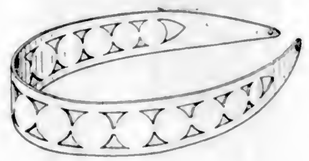
The ornamental design for a pillow, substantially as shown.

70,296. HAIR BAND. LUDWIG M. SKARUDA, Riverside, Ill. Filed Mar. 3, 1926. Serial No. 16,749. Term of patent 3½ years.



The ornamental design for a hair band, as shown.

70,297. HAIR BAND. LUDWIG M. SKARUDA, Riverside, Ill. Filed Mar. 3, 1926. Serial No. 16,750. Term of patent 3½ years.



The ornamental design for a hair band, as shown.

70,298. HAIR BAND. LUDWIG M. SKARUDA, Riverside, Ill. Filed Mar. 3, 1926. Serial No. 16,751. Term of patent 3½ years.

The ornamental design for a hair band, as shown.

70,299. DOLL SHOE, JANE GRAY STOKES, Larchmont, N. Y. Filed Jan. 5, 1926. Serial No. 15,950. Term of patent 7 years.

The ornamental design for a doll shoe as shown.

70,300. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,131. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,301. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,132. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,302. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,133. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,303. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,134. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,304. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,135. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,305. FINGER RING. ABRAHAM SUDEROV, New York, N. Y. Filed Mar. 31, 1926. Serial No. 17,136. Term of patent 3½ years.

The ornamental design for a finger ring, as shown.

70,306. DOLL. JOHN B. WARREN, New York, N. Y. Filed Apr. 8, 1926. Serial No. 17,214. Term of patent 14 years.

The ornamental design for a doll as shown.

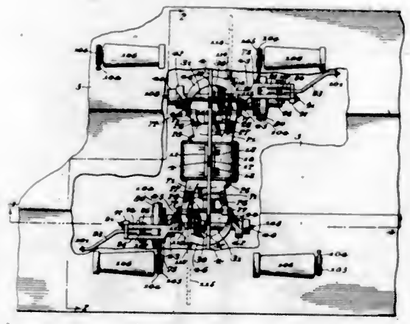
70,307. STOCKING. WALTER E. ZANDER, Philadelphia, Pa., assignor to Schletter & Zander Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 7, 1925. Serial No. 15,057. Term of patent 14 years.

The ornamental design for a stocking as shown.

PATENTS

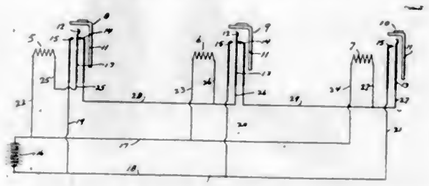
GRANTED JUNE 1, 1926.

1,586,511. POWER AND TRANSMISSION MECHANISM. MEYER AXILROD, Philadelphia, Pa. Filed July 15, 1922. Serial No. 575,367. 5 Claims. (Cl. 74—26.)



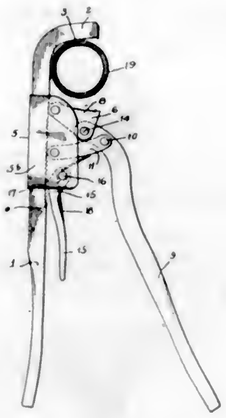
1. In power and transmission mechanism, the combination of an electric motor having a shaft the opposite ends of which project from the opposite sides thereof, which shaft has secured thereto driving means, arms projecting from the opposite sides of the casing of said motor, shaft supporting frames swingingly supported from said arms, shafts supported in the said frames, which shafts respectively are situated adjacent the opposite ends of the motor shaft and extend substantially at right angles thereto, means carried by said shafts for engaging the said driving means upon the motor shaft, and means for independently adjusting the said frames inwardly and outwardly upon their pivots to engage and disengage the said last mentioned means with and from the said driving means.

1,586,512. ELECTRIC CIRCUITS AND MEANS FOR CONTROLLING THE SAME. SAMUEL E. ADAIR, Kansas City, Mo., assignor, by mesne assignments, to Federal Telephone Manufacturing Corporation, Buffalo, N. Y., a Corporation of New York. Filed June 3, 1922. Serial No. 565,759. 9 Claims. (Cl. 179—171.)



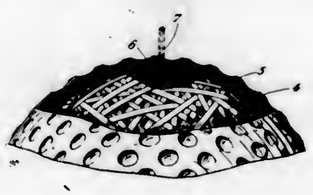
1. A radio circuit characterized by having a plurality of vacuum tubes having their filaments connected in multiple, and a jack for each vacuum tube, each jack having a normally open front contact, and each jack except the last one also having a normally closed back contact, and means associated with the contacts, whereby when the front contact of either jack except the last one is closed, the back contact of the jack being operated will be opened.

1,586,513. WRENCH. AXEL ANDERSON, Clifton, N. J. Filed Feb. 15, 1924. Serial No. 692,953. 2 Claims. (Cl. 81—134.)



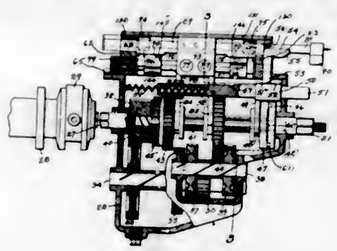
1. In a wrench, the combination of a handle member having a fixed jaw, a member slidably mounted on said handle member, a movable jaw pivotally mounted at its inner end on said slidable member, a hand lever pivoted intermediate its ends on said slidable member at a point different from that at which said movable jaw is pivoted, and having its forward end pivotally connected directly to said movable jaw to swing the same about its pivot towards or away from said fixed jaw in such wise that movement of said hand lever toward said handle member will continuously swing said movable jaw toward said fixed jaw, said handle member having ratchet teeth thereon, and a latch member pivoted to said slidable member, having a tooth for engaging said ratchet teeth, and having an arm extending rearwardly between said handle member and lever.

1,586,514. BALANCED BALL. ROBERT FLEMING ARNOTT, Montclair, N. J. Original application filed Jan. 13, 1921, Serial No. 437,079. Divided and this application filed May 3, 1921. Serial No. 466,605. Renewed Oct. 20, 1925. 4 Claims. (Cl. 273—58.)



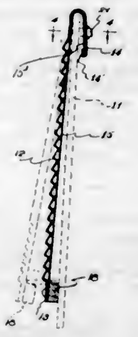
3. A balanced ball comprising an outer continuous cover, inner windings having interstices, and metal interspersed in the interstices on one side of the ball.

1,586,515. PRESELECTING AND SHIFTING DEVICE FOR TRANSMISSIONS. JASPER BLACKBURN, Webster Groves, Mo. Filed June 30, 1924. Serial No. 723,187. 9 Claims. (Cl. 74—58.)



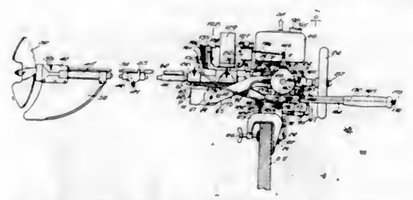
1. In a preselecting and shifting device for transmissions, comprising a casing, gears, some of which are slidably located in said casing, a clutch located at each end of said casing, a preselecting mechanism located within the casing, means operable by the preselecting mechanism for shifting the sliding gears, means for disengaging said clutches, means for permitting one of said clutches to be reengaged while the other clutch is being further disengaged, means for operating the preselecting mechanism for preselecting a predetermined speed, means operated by the clutch disengaging means and connected to the preselecting means for shifting said transmission to the preselected speed, and means whereby said preselecting and shifting mechanism is automatically returned to its starting position when the shift has been made.

1,586,516. WASHING-MACHINE ATTACHMENT. ABBIE BLAKE, Grosse Pointe, Mich. Filed Sept. 2, 1925. Serial No. 53,990. 4 Claims. (Cl. 68—29.)



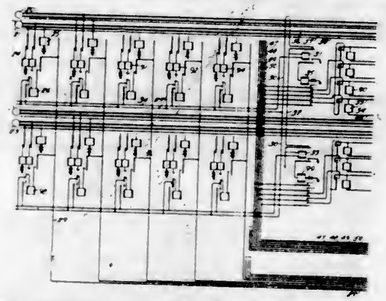
1. A washing machine attachment of the class described comprising a metallic plate having the major portion of its area corrugated and doubled upon itself adjacent one end; a reinforcing plate for such corrugated plate having its marginal edges at opposite sides angularly turned for embracing the edges of said corrugated plate for reinforcing the same, the upper end of said reinforcing plate being doubled upon itself and lying in engagement with the doubled over portion of said corrugated plate; a pair of spaced tongues struck from each of said doubled over portions; and a locking arm pivotally mounted between said lugs adapted upon movement in one direction for locking said doubled over portions in embracing relation on the wall of the tub of said washing machine.

1,586,517. MARINE MOTOR. ARTHUR J. CAILLE and THEODORE L. SMITH, Detroit, Mich. Filed July 23, 1924. Serial No. 727,620. 16 Claims. (Cl. 115—18.)



1. In a device of the class described, a transverse clamping base, a longitudinal motor cradle, a universal joint connection between said base and said cradle, a motor mounted upon said cradle, said motor having a pair of generally horizontal oppositely disposed cylinders and its crank shaft extending longitudinally of the cradle and lying centrally between said cylinders, a fly wheel at the front end of the crank shaft, a propeller shaft extending rearwardly in line with the crank shaft, spark controlling means mounted for swinging movement on the motor cradle rearwardly of the motor, a handle extending parallel to the crank shaft and rigidly connected to the motor, said handle extending forwardly at the side of the fly wheel, and a sleeve on the handle connected to said spark controlling means for swinging said means to advance or retard the spark.

1,586,518. TELEPHONE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1922. Serial No. 608,139. 12 Claims. (Cl. 179—18.)



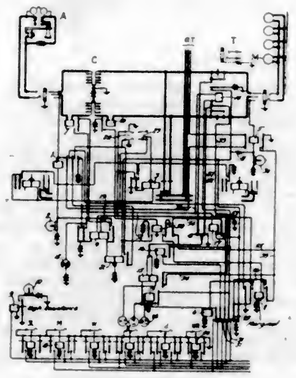
1. In a telephone system, a plurality of lines, a group of link circuits, a relay common to all of said lines, a plurality of contacts controlled by said relay, each of said contacts being individual to one of said lines, and a relay for each of said lines adapted to include its associated contact in a circuit to select one of said link circuits for cooperation with one of said lines subsequent to the operation of said first relay.

1,586,519. WINDOW VENTILATOR. ARTHUR A. CRAIG, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 548,973. 3 Claims. (Cl. 98—31.)

1. In combination, a sheet metal ventilator of panel formation adapted for insertion in a window frame, a compressible retaining element carried at one end of said ventilator, a socket member on said panel for carrying said compressible element, said socket member be-

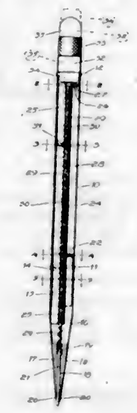
ing integral with and formed by bending back the end of the panel upon itself to constitute a socket conforming substantially to the shape of said compressible element.

1,586,520. TELEPHONE SYSTEM. RICHARD C. DAVIS, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1924. Serial No. 711,034. 9 Claims. (Cl. 179—70.)



1. A telephone system comprising telephone lines, an operator's link circuit, a supervisory signal therein, means for shunting said signal responsive to the connection of said link circuit to a calling one of said lines, and means for maintaining said signal shunted until a substation on a called one of said lines has responded and subsequently hangs up.

1,586,521. MECHANICAL PENCIL. FRANK C. DELI, Chicago, Ill., assignor, by mesne assignments, to Autopoint Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 30, 1920. Serial No. 406,980. 2 Claims. (Cl. 120—18.)

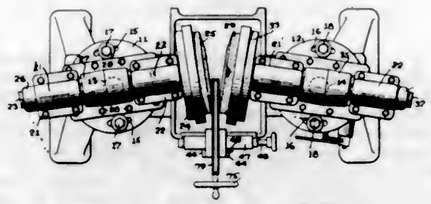


1. A pencil, comprising in combination, a body, means therein providing a non-circular axial opening, a tip having a cylindrical portion adapted to telescope over the lower end of said body, a spiral secured to said tip, said spiral being open at both ends, a plunger within said spiral, said plunger having a laterally projecting portion cooperating with the non-circular portion of said axial opening, said tip, spiral and plunger being removable from said body by an endwise pull in any position of adjustment of the parts, the plunger being thereafter removable from the open upper end of the spiral to permit a lead to be placed in said open upper end.

1,586,522. MECHANICAL PENCIL. FRANK C. DELI, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1924. Serial No. 723,312. 2 Claims. (Cl. 120—18.)

1. In a pencil, the combination of a body having an axial recess extending inwardly from both ends of the pencil, means providing a guideway in one portion of said recess, said body having a reduced lower end portion, a tip having a tapered portion and a generally cylindrical portion, said cylindrical portion overlying and frictionally engaging the reduced portion of the body, a tube open at both ends and projecting axially within the tip and secured thereto and provided with threads, and a plunger having a non-circular portion at its upper end adapted to cooperate with said guideway and at its lower end having a portion adapted to cooperate with said threaded tube, the tip, tube and plunger being removable from the lower end of the pencil in any position of adjustment of the parts.

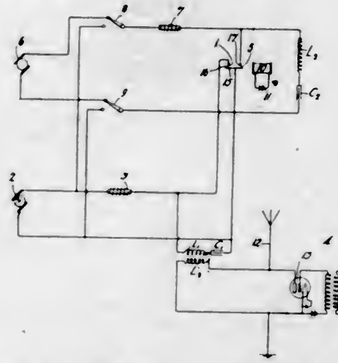
1,586,523. APPARATUS FOR PRODUCING GROUND ARTICLES. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Feb. 3, 1921. Serial No. 442,117. 10 Claims. (Cl. 125—11.)



7. In apparatus of the general nature of that herein described, in combination, a grinding wheel adapted normally to be rotated at a relatively high speed, a regulating wheel adapted normally to be rotated at a relatively low speed, said wheels being adapted to present

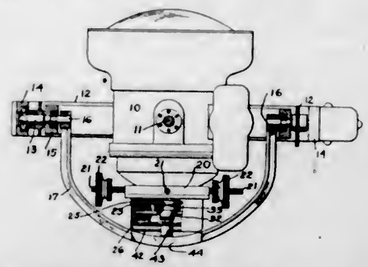
operative surfaces traveling in opposite directions, means for rotating both of said wheels at a relatively high speed, truing means adapted to operate upon both of said wheels, a movable carriage for mounting said truing means and adapted to advance said means into operative relation with said wheels, and means for vertically adjusting said truing means with respect to one of said wheels.

1,586,524. CONSTANT FREQUENCY SYSTEM. RAYMOND A. HEISING, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1916, Serial No. 139,533. Renewed Apr. 28, 1924. 11 Claims. (Cl. 250—36.)



1. In a constant frequency arc system, the combination of an oscillation circuit containing a normally inoperative arc gap, a trigger oscillation circuit containing a normally operative arc gap, means for energizing said circuits, and means for moving the arc from said normally operative gap to said normally inoperative gap.

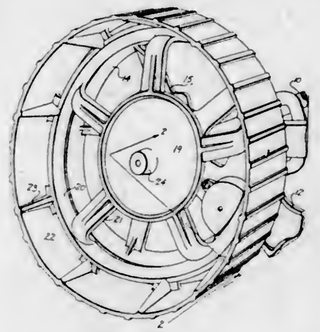
1,586,525. GYROSCOPE STABILIZING SYSTEM. FERDINAND GEORGE HENRY, New York, N. Y., assignor to Fairchild Aerial Camera Corporation, a Corporation of New York. Filed Aug. 4, 1925. Serial No. 48,163. 7 Claims. (Cl. 74—78.)



1. The combination with a pivotally mounted gyroscope, of means responsive to the speed of the gyroscope to displace the center of gravity of the gyroscope relatively to its pivotal axis at a predetermined speed.

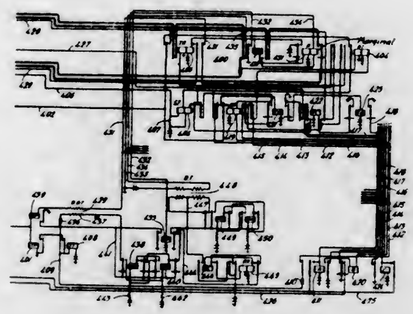
1,586,526. LAWN MOWER. PAUL E. HERSCHEL, Jr., Peoria, Ill. Filed Sept. 2, 1925. Serial No. 54,023. 4 Claims. (Cl. 301—6.)

1. A lawn-mower wheel comprising a central disk, a recessed hub formed integral with said disk and adapted to receive one end of a shaft, spokes extending radially from said disk, an annulus formed on the outer ends of said spokes, a tread member secured near its inner edge to said annulus, and reinforcing elements



formed upon the inner surface of the tread member and tapering uniformly from said annulus to the outer edge of the tread member.

1,586,527. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed July 14, 1920, Serial No. 396,143. Divided and this application filed Sept. 28, 1923. Serial No. 665,280. 5 Claims. (Cl. 179—84.)

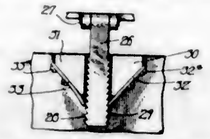


1. In a telephone system, an interrupting device comprising a pair of relays arranged in a circuit with means controlled by each relay for controlling the other, whereby said relays operate periodically and automatically, and interrupting contacts controlled by said relays, another pair of relays arranged in a circuit including said contacts whereby two successive closures and openings of said contacts will cause said other pair of relays to be successively actuated in all possible combinations and a circuit periodically controlled by said second pair of relays.

1,586,528. HAM BOILER. FREDERICK EDWARD HODDERSEN-BALLING, Brooklyn, N. Y. Filed Aug. 29, 1923. Serial No. 659,862. 19 Claims. (Cl. 100—57.)

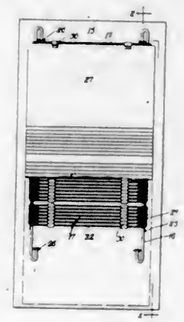
3. In a cooker, the combination of a receptacle, a cover shiftable vertically within the receptacle, a handle bar extending across the top thereof to overlie the end of

the receptacle, a vertical locking member pivoted to the end of the bar, a spring pawl secured to the receptacle, and a series of teeth carried by said locking member,



said pawl automatically engaging said teeth successively upon depressing the handle bar and being releasable therefrom without shifting the handle bar.

1,586,529. INDEX DEVICE. WILLIAM H. HOLMES, Mount Vernon, N. Y. Filed Oct. 19, 1922. Serial No. 595,476. 11 Claims. (Cl. 129—16.)

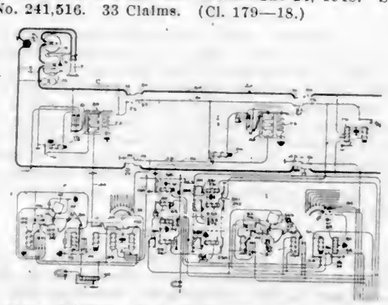


2. An index device including rails, card-carrying bars, rail-embracing portions forming a part of said bars, and a mounting member for said rails and extending to one side thereof, the cards carried by said bars extending to the other side of said rails.

5. An index device including in combination bars and hinge members rotatably encircling said bars, said hinge members comprising a strip bent to provide a detachable bar-engaging portion and a card clip.

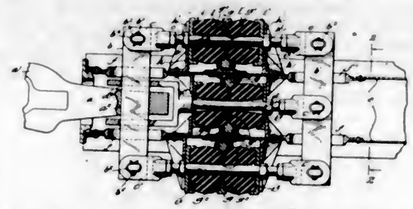
11. An index device, including a pair of spaced rails, a plurality of card-carrying bars, and means forming a part of said bars providing outwardly-opening notch portions at the ends of certain of the same and inwardly-opening notch portions at the ends of others of the same, said rails lying within said notch portions.

1,586,530. AUTOMATIC TELEPHONE SYSTEM. JOHN H. HOMRIGHOUS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 24, 1918. Serial No. 241,516. 33 Claims. (Cl. 179—18.)



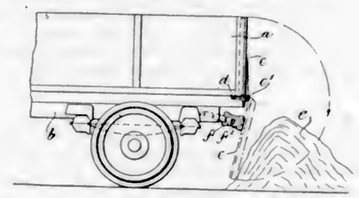
1. In a telephone system, trunk lines, an individual trunking switch for each trunk line, a master switch for controlling said individual switches adapted to preselect two idle trunks, and means for operating two of said individual switches simultaneously to seize two trunks.

1,586,531. RUBBER-CUSHION DRAFT GEAR FOR RAILROAD CARS. FRED L. LIPCOT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 6, 1924. Serial No. 718,193. 4 Claims. (Cl. 213—46.)



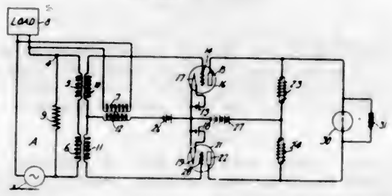
1. In draft gear, in combination with center sills carried on the vehicle, a draw bar, a transverse key secured to the bar and slidable in the sills, a plurality of rods connected to the key, slidable and movable pivotally in the sills, a key secured to the rods and slidable in the sills, opposed seats carried with the rods, opposed seats carried with the sills, and yielding non-metallic material operatively interposed between the seats under compression.

1,586,532. YIELDING STOP FOR TAIL GATES. FRANK PAMPINELLA, Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,511. 2 Claims. (Cl. 296—57.)



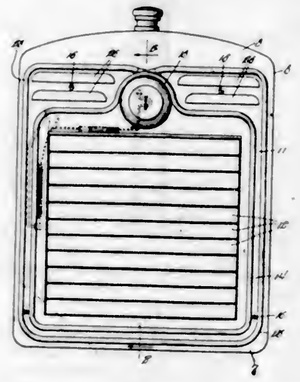
1. In combination with the tail gate of a vehicle body and a frame for supporting the vehicle body, yielding limit stops for the gate mounted on the frame, said stops comprising blocks of non-metallic yielding material presenting relatively large superficial bearing surfaces to the gate and means for mounting the same on the frame members of the vehicle.

1,586,533. THERMIONIC METER. EUGENE PETERSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1922. Serial No. 556,862. 9 Claims. (Cl. 171—95.)



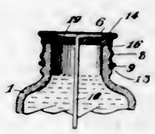
4. In combination, a pair of thermionic devices, a power circuit containing a given load, means for associating in a power measuring relation said circuit with the input circuits of said devices, and a direct current measuring instrument connected in the output circuit of said devices for indicating the power absorbed by said load.

1,586,534. THERMOSTATICALLY-CONTROLLED RADIATOR SHUTTER FOR AUTOMOBILES. CHARLES A. PIPENHAGEN, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 24, 1925. Serial No. 64,592. 8 Claims. (Cl. 236—35.)



1. In a radiator shutter adapted for mounting on automobile radiators, shutter mechanism for controlling the air flow through the radiator, thermostatic means for controlling said shutter mechanism, said thermostatic means being responsive to the temperature of the radiator core, and means for retarding the heating of said core in proximity to said thermostatic means.

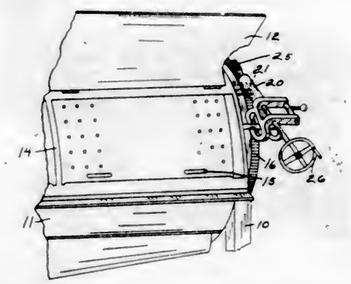
1,586,535. METALLIC CAP AND DAUBER. ABRAHAM PODEL, Long Island City, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Mar. 28, 1925. Serial No. 19,017. 8 Claims. (Cl. 91—67.2.)



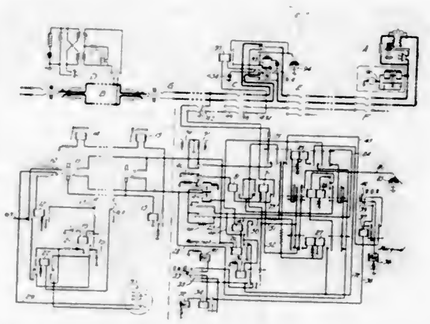
1. As an article of manufacture, a screw cap comprising a cover portion, a skirt depending from said cover portion having screw threads therein for attachment to the mouth of a container, a sealing gasket below said cover portion, a shank extending through said gasket and adapted to accommodate a dauber at one end thereof, an annular recess at the junction of the skirt and cover portion of said cap, and means between said gasket and said cover on the other end of said shank for securing same in said recess.

1,586,536. ADJUSTING AND LOCKING DEVICE. THOMAS J. POWER, Milwaukee, Wis. Filed Nov. 14, 1924. Serial No. 749,957. 8 Claims. (Cl. 74—7.)

1. In a device of the character described, the combination with a worm gear, of a shaft oscillatorily adjustable on an axis substantially parallel to that of said gear, a worm connected with said shaft and adapted in one position of oscillatory adjustment thereof to mesh with said gear, a fitting axially slidable with reference to said shaft and operatively connected therewith to transmit oscillatory adjustment thereto, and a relatively fixed member adapted for inter-action with said fitting, said member and said fitting being provided with co-acting surfaces, one of which is inclined with reference to the axis of said shaft, whereby the axial adjustment of said fitting will be productive of shaft oscillation.



1,586,537. MACHINE-SWITCHING TELEPHONE SYSTEM. RAY L. STOKELY, Floral Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 7, 1923. Serial No. 643,870. 12 Claims. (Cl. 179—6.3.)

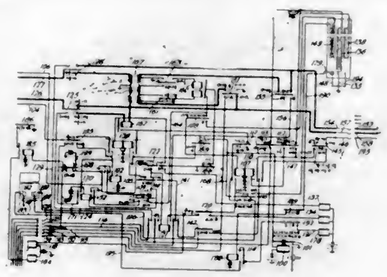


1. In a telephone system, the combination with a telephone line, a connection comprising a connecting circuit, said line and automatic switches, of a coin box at the substation of said line having a coin disposal magnet, an operator's position, an automatic switch at said position and controlled therefrom to connect with said connecting circuit, an electrical path to said automatic switch over which it may be set, and means for selectively operating said magnet over said path.

1,586,538. TELEPHONE-EXCHANGE SYSTEM. GEORGE THOMPSON, Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 3, 1923. Serial No. 672,456. 9 Claims. (Cl. 179—27.)

1. In a telephone exchange system, incoming lines of various classes, link circuits, means to connect one of

said link circuits with any one of said incoming lines, means associated with said link circuit to vary at will the transmission characteristics thereof, and means com-

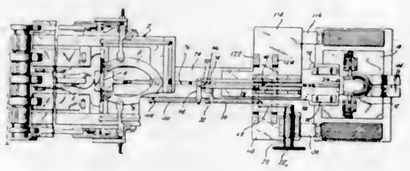


mon to said link circuits for controlling said first means in accordance with the character of the incoming line to which said link circuit has been connected.

1,586,539. PROCESS FOR REFINING OR TREATING SULPHUR. WILLIAM P. THORNTON, Park Ridge, Ill. Filed July 21, 1923. Serial No. 652,934. 13 Claims. (Cl. 23—229.)

1. The process of refining sulphur, comprising the placing of melted sulphur and hot water in a closed vessel and repeatedly passing the same hot water by predetermined circulation thereof through the melted sulphur and thereby washing the melted sulphur.

1,586,540. APPARATUS FOR USE IN THE MANUFACTURE OF HORSESHOES. JOHN E. TWEEDY, Poughkeepsie, N. Y., assignor to Phoenix Horse Shoe Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 29, 1924. Serial No. 689,227. 10 Claims. (Cl. 59—36.)



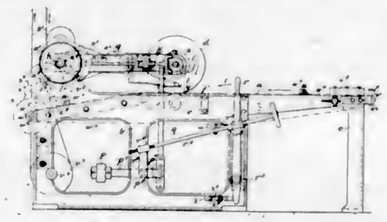
1. In an apparatus for pressing bent horseshoe blanks, the combination of a press, a table extending from one side thereof adapted to support a horizontally disposed bent horseshoe blank, and means acting synchronously with the plunger of the press for moving a horizontally disposed bent horseshoe blank so supported onto the lower die block of the press when the plunger is in elevated position, said means comprising a reciprocating finger adapted to engage a bent horseshoe blank on said table, and a pusher in advance of and connected to said finger and adapted to engage a bent horseshoe blank previously acted on by said press and discharge it from said lower die.

1,586,541. FOUNTAIN PEN. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed May 27, 1922. Serial No. 564,070. 4 Claims. (Cl. 120—42.)

1. A metal cap for fountain pens comprising an outer metal cap portion, and a supplemental metal cap portion within the outer cap portion and formed of two sections, the section of the supplemental cap which is adapted to

engage a pen barrel being formed of a relatively non-abrasive metal.

1,586,542. MACHINE FOR POLISHING SHEET MATERIAL. SAMUEL EMIL WEILL, London, England. Filed Mar. 6, 1924, Serial No. 697,204, and in Great Britain Nov. 14, 1923. 7 Claims. (Cl. 15—102.)



1. In a machine for polishing sheet material, the combination with a supporting table for supporting the sheets while they are being polished, endless chains movable along the machine table, pairs of bars each having a length greater than the transverse width of the sheets to be polished carried by said chains, said bars being adapted to grip the sheets between them throughout the length of said bars, a horizontally movable polishing mop located above the table for engaging the sheets supported thereby, and means for causing the bars carried by said chains to automatically grip and release the said sheets.

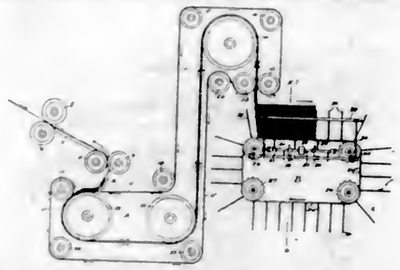
1,586,543. PROCESS OF REFINING METALS. SIGURD WESTBERG, Germantown, Pa. Filed Oct. 21, 1924. Serial No. 745,012. 16 Claims. (Cl. 148—16.)

3. The method of removing impurities from ferrous material which comprises heating said material at normal atmospheric pressure in a reducing atmosphere in the presence of a compound of an alkaline earth metal to a welding temperature and below the melting point of said material.

1,586,544. PAPER-HANDLING MACHINERY. HENRY WINSLOW WHITE, Commack, N. Y. Filed Feb. 1, 1922. Serial No. 533,173. 19 Claims. (Cl. 93—93.)

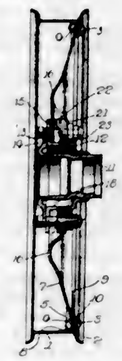
1. The combination with the delivery rolls of a machine for making paper bags, of mechanism driven at a

predetermined speed relative to the speed of the bag making machine for dividing the output of the machine



into groups of a predetermined number, and mechanism for bringing the sides and bottoms of the grouped bags into alignment.

1,586,545. AUTOMOBILE WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 8, 1919. Serial No. 322,389. 9 Claims. (Cl. 301—63.)

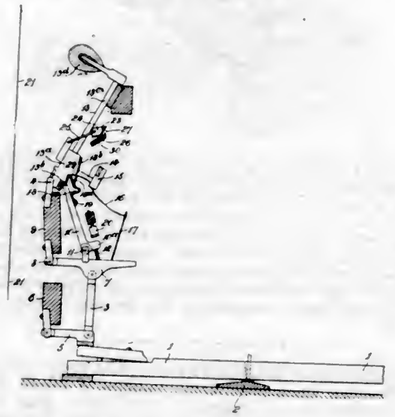


1. A disk wheel composed of rim, disk and hub, said disk suitably connected to the rim and having a smooth, approximately conical surface on the outer portion and a radially corrugated portion adjacent to the hub, a hub provided with a corrugated flange adapted to register with the radial corrugations of the disk, means for clamping the disk at the corrugations to the hub.

1,586,546. THERAPEUTIC THERMOPHORE. GEORGE AUSTIN WYETH, New York, N. Y. Filed June 1, 1921, Serial No. 474,062. Renewed Nov. 6, 1925. 1 Claim. (Cl. 128—258.)

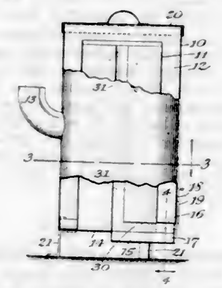
A therapeutic thermophore, comprising a rigid permanently closed casing free of projections and with every part of the outlining surface rounding into the adjacent surface, one of its sides having a long convex parabolic curve and the opposite side having a short concave parabolic curve united by slightly curved faces, one being slightly convex and the other being slightly concave when considered in cross-section, said casing being adapted to fit against different depressions and protuberances of the human body and containing a substance permanently concealed within the casing having capacity to receive, store and slowly dispense heat to the portion of the body in contact with the surface of the casing.

1,586,547. KEY ACTION OF UPRIGHT PIANOFORTES. RICHARD EASTWOOD, Colne, England. Filed Nov. 15, 1920, Serial No. 424,262, and in Great Britain Nov. 19, 1919. 9 Claims. (Cl. 84—240.)



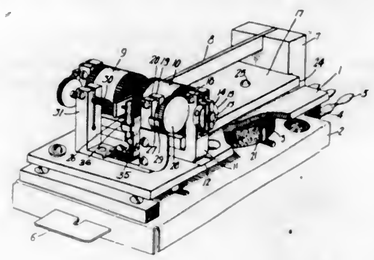
6. In a pianoforte key action, a braking device operating independently of the wippen adapted to retard the rearward movement of the hammer on the release of the key after same has been depressed and the hammer blow imparted to the string, said braking device comprising a shoe pivotally connected to the hammer and a rail, said shoe being mounted to ride over the rail in frictional engagement therewith, said rail being angularly adjustable for the purpose of varying the resistance offered thereby to the movement of the shoe thereover.

1,586,548. STOVE. PETER FOLTYN, New York, N. Y. Filed Nov. 30, 1925. Serial No. 72,186. 3 Claims. (Cl. 126—225.)



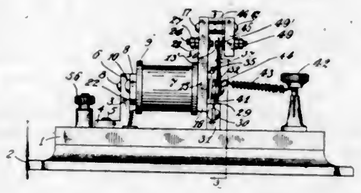
1. A heater comprising spaced cylinders, one having a bottom formed with a cross-sectional, semi-circular trough, the other being open ended and provided with a cross-sectional semi-circular extension adapted to register with the trough and together form an air inlet tube spanning the space between said cylinders, thereby forming an air passage to the firing charge.

1,586,549. ALTERNATING-CURRENT RELAY. JACOB R. FRY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1922. Serial No. 560,087. 8 Claims. (Cl. 200—91.)



1. In combination, a base, a block mounted thereupon at one end of said base, a supporting means at the other end of said base, a permanent bar magnet between said block and said supporting means, a tuned reed having one end thereof secured to said block, a pair of spaced magnetic cores mounted upon said supporting means and movable relatively thereto, said cores serving to actuate the free end of said reed, and means associated with said supporting means for adjusting the distance between said cores.

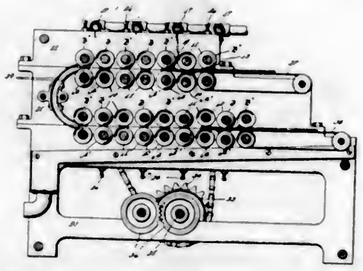
1,586,550. ELECTROMAGNETIC APPARATUS. GEORGE FUSSNER, Menominee, Mich., assignor to Signal Electric Mfg. Co., a Corporation of Michigan. Filed Nov. 18, 1921. Serial No. 516,046. 13 Claims. (Cl. 200—104.)



7. The combination in electromagnetic apparatus of a base, an electromagnetic coil thereon having a core projecting therebeyond, an insulating plate tightly fitting over said core, a pair of binding posts mounted on said insulating plate and at substantially equal distance from said core, contacts associated with said binding posts and at the side thereof remote from said coil, an armature pivoted adjacent said plate, a U-shaped spring metal blade secured at its base to said armature and having its legs projecting therefrom to make a bridging connection between the contacts associated with said binding posts after the armature has moved upon change of current through said coil.

1,586,551. METHOD OF AND APPARATUS FOR TREATING FELT ARTICLES. HOMER A. GENEST, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 26, 1924. Serial No. 701,997. 34 Claims. (Cl. 28—6.)

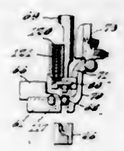
19. The herein described method of treating hat bats and the like, which consists in advancing the bat in an unrolled condition between two rows of rollers having spiral threads on their peripheries with the threads of adjacent rollers running in opposite directions and the threads of opposed rollers running in the same direction, and causing some of the rollers to rotate at less peripheral speed than that at which the bat is advanced to create a succession of waves in each of the plies and advance the same throughout the bat.



1,586,552. MANUFACTURE OF ARTIFICIAL FILAMENTS. FRANÇOIS GIRARDET, Roussillon, France, assignor to Societe pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Filed May 28, 1925, Serial No. 33,497, and in France Mar. 5, 1925. 4 Claims. (Cl. 18—54.)

1. A process of manufacturing artificial filaments by dry spinning a solution of a cellulose derivative, which consists in causing the solution to pass under pressure through spinning dies disposed in a closed cell, and producing an inflow of heat into the cell in the region of the dies, thereby to maintain a predetermined temperature in said region independently of the remainder of the cell, whereby filaments having a rounded outline in cross-section and a uniform sheen is produced.

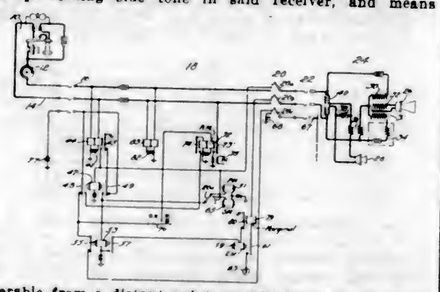
1,586,553. FASTENER-INSERTING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 2, 1923. Serial No. 616,601. 19 Claims. (Cl. 218—17.)



1. In a machine for setting lacing hooks, a hook-sustaining member adapted to occupy the throat of a hook during the setting operation, a raceway arranged to supply hooks to said member, a reciprocatory operating member engaging said hook-sustaining member to move the latter out of the throat of the set hook, and a hook-separator carried by said operating member to separate a hook in the raceway from those behind it.

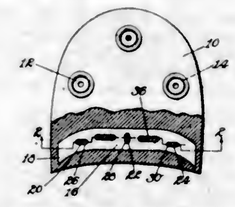
1,586,554. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 21, 1921. Serial No. 486,441. 6 Claims. (Cl. 179—18.)

1. In combination, a line, a substation normally disconnected from said line, said substation comprising a transmitter, a loud speaking receiver and a balancing line for preventing side tone in said receiver, and means



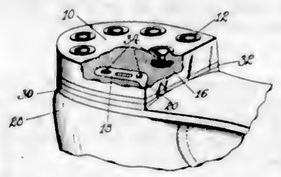
operable from a distant point on said line for connecting said substation to said line.

1,586,555. CUSHION HEEL. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 11, 1922. Serial No. 606,195. 3 Claims. (Cl. 36—35.)



1. A rubber heel supporting or stiffening element having a plurality of elongated nail receiving openings, two of said openings being substantially in alinement and another opening being substantially at right angles to the two first mentioned.

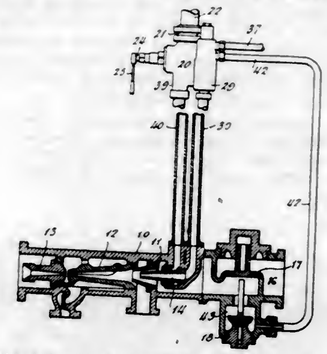
1,586,556. CUSHION HEEL. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 15, 1922. Serial No. 607,077. 10 Claims. (Cl. 36—35.)



1. A cushion heel having a pair of narrow unconnected stiffening members arranged lengthwise of the heel close to its side edges, each of said stiffening members having a heel material supporting end projecting into a breast corner of the heel at an angle to the body portion of said member and being devoid of any projections extending toward the longitudinal, median line of the heel.

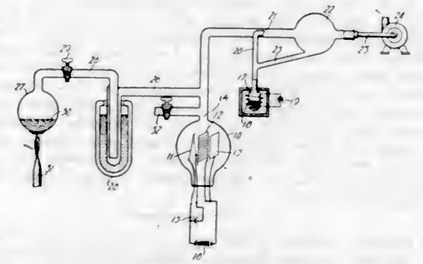
1,586,557. CONTROLLING DEVICE FOR EXHAUST-STEAM INJECTORS. MALCOLM HARD, Flushing, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 12, 1925. Serial No. 49,724. 7 Claims. (Cl. 162—1.)

1. The combination with an exhaust steam injector adapted primarily for operation by exhaust steam and having a conduit connected therewith for supplying live steam to supplement the action of said exhaust steam, of a valve for controlling the admission of said live steam



to said injector, and means secured to said valve to throttle the supply of live steam when said valve is moved substantially to its full opened position.

1,586,558. MANUFACTURE OF ELECTRON-DISCHARGE DEVICES. JAMES E. HARRIS, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,205. 5 Claims. (Cl. 250—27.)



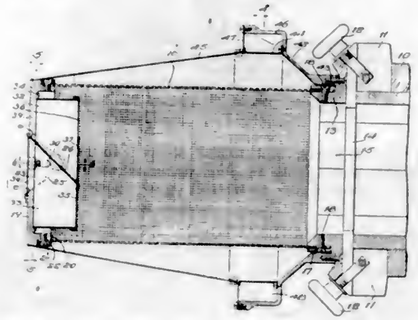
1. The method of evacuating an electron discharge device having a filament coated with alkaline earth oxides, which comprises removing the gas from the envelope of the device and establishing a space discharge between the electrodes of said device in an atmosphere of carbon monoxide.

1,586,559. COUNTERSINK. LAUST K. LAURSEN, College Station, Tex. Filed Aug. 1, 1925. Serial No. 47,443. 2 Claims. (Cl. 145—123.)

2. In a countersink, a hollow head formed in two parts secured together, each part having two forwardly inclined spiral edges at the lower side, one of said spiral edges on each part being a cutting edge, the spiral edges on one part being slightly spaced from adjacent

spiral edges on the other part so as to leave a spiral opening to permit shavings cut by said spiral cutting edges to enter said hollow head and be removed from the cutting zone, a portion of each of said two parts extending forwardly of the cutting edges on the adjacent parts being depressed to form gaging surfaces to determine the depth of cut made by said spiral cutting edges.

1,586,560. SEPARATOR MECHANISM. OSCAR J. LEINS, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, a Corporation of Wisconsin. Filed Mar. 30, 1925. Serial No. 19,258. 8 Claims. (Cl. 209—284.)

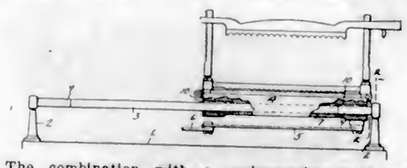


1. In a separator structure, the combination of a perforated drum having an inlet at one end for mixed large and small objects to be separated, there being a discharge outlet at the other end of said drum of less width than said drum, a scoop structure for scooping up the larger objects when the drum rotates in one direction, another scoop structure for scooping up the larger objects when the drum rotates in the opposite direction, a discharge plate adjustable to connect either one of said scoops with said discharge outlet, and means for rotating said drum, the smaller objects falling through the drum perforations.

1,586,561. PARACHUTE. OWEN DAVID LUCAS, Westminster, London, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Original application filed May 5, 1923, Serial No. 636,790, now Patent No. 1,519,857, dated Dec. 16, 1924. Divided and this application filed Oct. 8, 1924. Serial No. 742,340. 2 Claims. (Cl. 244—21.)

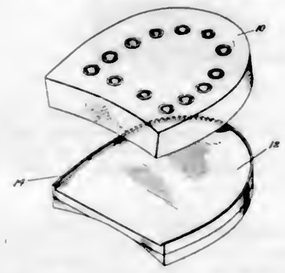
1. In a parachute, the combination of a fabric in the form of an endless band, cords leading from the upper and lower edges of said band to the load and pulleys connected to said load over which pulleys said cords pass.

1,586,562. MEAT-SLICING MACHINE. PATRICK J. LUCEY, South Bend, Ind., assignor to Lucey Slicing Machine Co., South Bend, Ind. Filed Jan. 24, 1925. Serial No. 4,519. 1 Claim. (Cl. 146—102.)



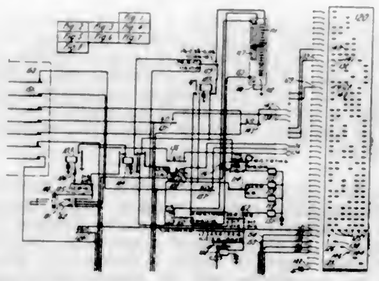
The combination with a reciprocating table of a meat slicing machine, a guide rod on which said table is slidably mounted, a bearing member carried by the table and through which the guide rod extends, the ends of said guide rod being provided with reduced portions extending from the ends of the strokes of the table bearing portion, of sleeves of non-corroding material disposed on said reduced portions, the ends of said bearing member being provided with apertures of greater outside diameter than the diameter of the sleeve and in which the sleeves are received during the reciprocation of the table.

1,586,563. HEEL AND METHOD OF OPERATING THEREON. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 29, 1921. Serial No. 511,377. 13 Claims. (Cl. 36—35.)



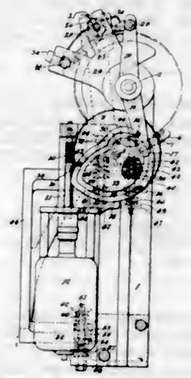
1. A non-metallic, unfinished base section for heels which is larger than its finished size and the heel to be superposed upon it, and is provided with means for machanically facilitating the registering of the heel with the base.

1,586,564. TESTING SYSTEM. ERIC R. LUNDIUS, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1924. Serial No. 755,620. 17 Claims. (Cl. 179—175.)



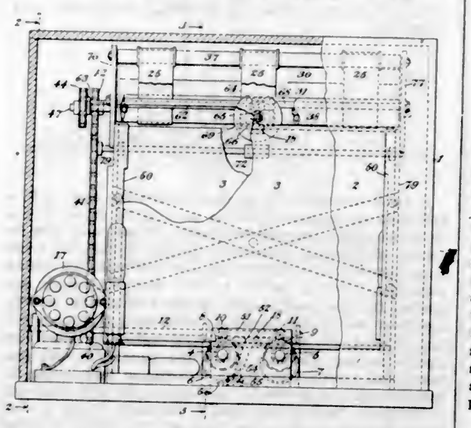
1. In a testing device for testing translators, means to automatically select one of a plurality of said translators, means for testing said translators, means to control the automatic and progressive selection and test of the remainder of the translators, and means to arrest said progressive selection when the last of said remainder of translators has been tested.

1,586,565. DISPLAY APPARATUS. LESLIE R. MCDONALD, Westmount, Ontario, Canada. Filed Nov. 6, 1923. Serial No. 673,201. 2 Claims. (Cl. 40—35.)



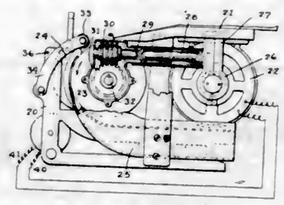
1. In a display apparatus, the combination of a rotatable placard carrier, a plurality of flexible placards carried thereby, automatic carrier driving means, placard unrolling means embodying a slotted cam race, an arm actuated thereby, and placard engaging elements reciprocated by the arm and a frame in which the apparatus is assembled.

1,586,566. DISPLAY APPARATUS. LESLIE R. MCDONALD, Montreal, Quebec, Canada. Filed Nov. 14, 1924. Serial No. 749,857. 24 Claims. (Cl. 40—36.)



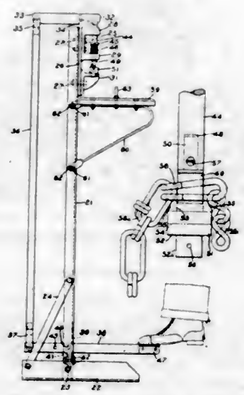
1. In a display apparatus, the combination of a plurality of independent, flexible placards with supporting and shifting means, means for raising, transferring from rear to front, and lowering the placards successively edgewise onto the supporting means in relatively spaced positions, and means for temporarily preventing the top of each placard from falling back under the influence of gravity, against those behind it while being exhibited.

1,586,567. SAFETY DEVICE FOR IRONING MACHINES. ROBERT J. MOMPERE, Newark, N. J., assignor to Leo Potter, New York, N. Y. Filed June 11, 1921. Serial No. 476,792. 2 Claims. (Cl. 192—133.)



2. In an ironing machine, a feed roller, a shoe, a rod above said roller located in advance of the shoe, a motor operatively connected to drive said feed roll and means including a switch and operative connections between the switch and the rod whereby movement of the rod away from the roller will open the switch and movement of the rod toward the roller will close the switch.

1,586,568. TIRE-CHAIN TOOL. JAMES R. NEWELL, Pittsburgh, Pa. Filed Nov. 27, 1923. Serial No. 677,341. 3 Claims. (Cl. 153—48.)

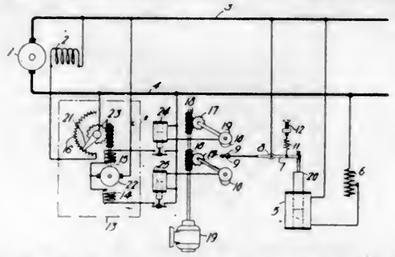


1. A tire chain tool for opening and for closing chain links comprising a base, an upright standard supported thereby, a plunger-guide member secured to the standard at the upper end thereof and having a plurality of spaced forwardly extending arms, an anvil having a plane upper surface, supported by one of said forwardly extending arms for supporting a chain link, a plunger movable in other of said forwardly extending arms, a wedge member secured to the lower end of said plunger, each side of said wedge member having two successive operative faces disposed at different angles relatively to a median line therebetween, a lever pivotally mounted in said plunger-guide member for causing movement of said plunger and wedge member toward said anvil, and a pedal-actuated lever for effecting movement of said plunger-actuating lever.

1,586,569. REGULATOR. PAUL A. NEWMAN, Woodhaven, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 19, 1922. Serial No. 562,069. 9 Claims. (Cl. 171—229.)

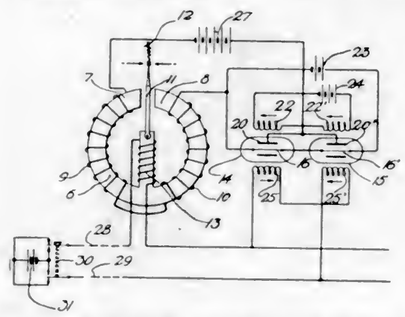
1. A system comprising a generator, a distribution circuit connected to said generator, a normally inoperative device associated with said circuit intermittently re-

sponsive at definite intervals to an abnormal condition in said circuit, means controlled by said device for effect-



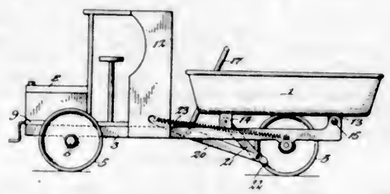
ing changes in said generator to compensate for said condition, and means for varying the extent of response of said device during each of said definite intervals.

1,586,570. SIGNALING SYSTEM. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1922. Serial No. 585,356 7 Claims. (Cl. 178—71.)



1. A signaling system comprising a transmission line, a magnetic winding connected to said line, an electron discharge device operating substantially without gas ionization located in the magnetic field of said winding, said field serving to control the discharge of electrons in said device, an output circuit for said device and a receiving device in said output circuit responsive to current flowing therein.

1,586,571. TOY DUMPING WAGON. EMIL W. MIELKA, Buffalo, N. Y. Filed Jan. 6, 1923. Serial No. 611,053. 1 Claim. (Cl. 46—48.)

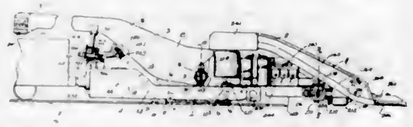


A dump wagon comprising a frame having two longitudinal side bars, front and rear cross bars connecting the front and rear parts of said side bars, pivot lugs projecting upwardly from the rear ends of said side bars, an intermediate bearing projecting transversely inward from one of said side bars between the front and rear cross bars and terminating midway between said side bars, said side bars, cross bars, pivot lugs and bearing being formed integrally, a vertically swinging box provided on the rear part of its under-side with a depending block which is arranged between said pivot lugs and pivotally connected therewith, a rock shaft journaled in said bearing and provided at its outer end with a crank, a lever connected with the inner end of said shaft and having front and rear arms and a stop lug on said rear arm, a link connecting the rear arm of said lever and the front part of said box and adapted to engage its lower part with said lug, and a spring connecting the front arm of said lever with said rear cross bar and adapted to yieldingly hold said box in its lowered or elevated positions.

1,586,572. SPRING FASTENING OF THE BUTTON TYPE. THOMAS MORTON, Birmingham, England. Filed Nov. 3, 1925, Serial No. 66,610, and in Great Britain Nov. 4, 1924. 2 Claims. (Cl. 24—221.)

1. In spring fastenings of the button type, the combination of a body part, a spring catch member having a pair of parallel portions formed integrally with a peripheral portion, a rotatable finger piece provided at its inner end or side with a pair of abutments arranged to lie between the parallel members of said catch member, by which the body part is detachably secured to a grooved or shouldered element forming the complementary part of the fastening, and a system of four stops, two of which lie between the parallel members of the catch, whilst the other two lie in contact with opposite internal peripheral portions of the catch, substantially as described.

1,586,573. LOADING MACHINE. NORTON A. NEWDICK, Columbus, Ohio, assignor to The Coloder Company, Columbus, Ohio, a Corporation of Delaware. Filed June 21, 1922. Serial No. 569,996. 49 Claims. (Cl. 198—11.)



1. In a transportable loading machine, a base unit, a gathering mechanism including an inclined frame having its forward end disposed in advance of said base unit for horizontal swinging movement, the rear end of said frame being disposed on a plane above said base unit, an endless gathering conveyer carried by said frame, a casing supporting the rear end of said frame, a mounting between the lower end of said casing and said base unit for effecting support of said frame, and affording movement thereof in any direction, a driving motor for said conveyer, and a drive mechanism mounted in said casing for transferring the power of said motor to said conveyer.

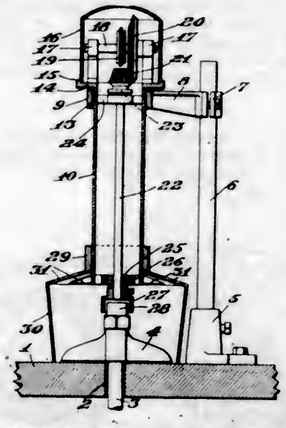
12. In a loading machine, a wheeled truck, a conveyor on said truck, a reversible electric motor mounted in connection with said truck, drive mechanism between said motor and the wheeled axles of said truck, operative to propel said truck when said motor is rotating in one direction, drive mechanism between said motor and said conveyor for driving the conveyor when the motor is operating in the opposite direction, and a single controller for governing the direction of operation of said motor and to thereby selectively control the operation of said drive mechanisms.

17. In a loading machine, a portable base unit, a loading frame carried by and disposed above said base unit, a bracket having yoke shaped ends, bearings formed in the ends of said bracket and defining a horizontal pivotal axis for said frame, a substantially vertical pivotal connection between the intermediate portion of said bracket and said base unit, admitting of horizontal swinging movement of said frame, an endless loading conveyer mounted for movement within said frame, a power driven foot shaft carried by said frame and journaled in connection with said bracket to impart motion to said conveyor, drive shafts carried by the yoke shaped ends of said bracket for imparting power to said foot shaft at each end of the latter, a motor mounted upon said base unit, and means for imparting motion from said motor to said drive shafts.

21. In a loading machine, a portable base unit, an elevator including a frame having an endless conveyer traveling longitudinally thereof disposed over said base unit, a flexible connection between the forward end of said frame and said base unit admitting of bodily swinging movement on the part of said frame in horizontal and vertical planes, and motor driven means for effecting horizontal and vertical adjustment of said frame relatively to said base unit.

35. In a loading machine, a portable base unit, a gathering elevator including an elongated frame, a pivotal connection between the rear end of said frame and said base unit admitting of horizontal swinging movement on the part of said frame, and an endless power driven traction belt arranged beneath said frame in advance of said base unit for supporting and swinging said frame.

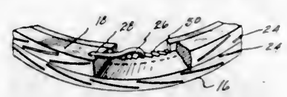
1,586,574. SAFETY DEVICE. ROBERT F. PADEN, Glendale, Mo. Filed July 14, 1924. Serial No. 725,825. 6 Claims. (Cl. 144—251.)



1. In a guard of the character described, a vertically movable housing normally surrounding the cutter, means for swingably supporting said housing, and means for raising said housing including a normally inactive power element and a correlated power element operating continuously with the operation of the cutter, said two mentioned power elements being normally disengaged but being cooperatively engaged while said housing is subjected to forcible lateral pressure.

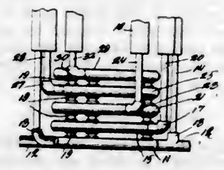
1,586,575. PISTON PACKING. JOHN F. PANYARD, Detroit, Mich. Filed Oct. 19, 1925. Serial No. 63,332. 14 Claims. (Cl. 74—109.)

1. In piston packing, a piston having a groove for packing, packing in said groove consisting of a rotatable ring section having a helical axial face, said groove provided with a helical meeting face, said ring provided



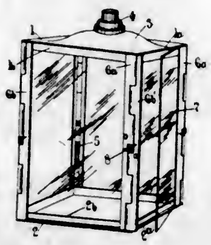
with a helical groove on its cylinder wall engaging face adapted to impart a rotatable impulse to the ring during piston reciprocation.

1,586,576. FIRE POT. ORVILLE PENDELL, Schenectady, N. Y., assignor to Pendell Boiler Company, Richmondville, N. Y., a Corporation of New York. Filed Oct. 27, 1920. Serial No. 419,856. 1 Claim. (Cl. 122—373.)



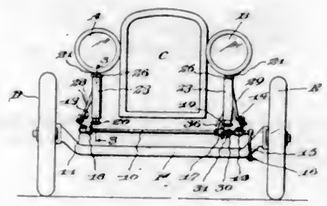
In combination with a boiler, a fire pot comprising a plurality of superimposed hollow rings disposed in parallel relation with each other, the lowermost ring having water inlets, each ring provided with openings, nipples connecting openings of each ring with openings of the next ring above the same, elbows disposed in pairs on each ring so as to be diametrically disposed from each other and means for communicating the elbows with the boiler.

1,586,577. LAMP SHADE AND OTHER TRANSLUCENT SCREEN. DAVID LEY RAITT, London, England. Filed Apr. 16, 1925, Serial No. 23,636, and in Great Britain Apr. 30, 1924. 5 Claims. (Cl. 240—108.)



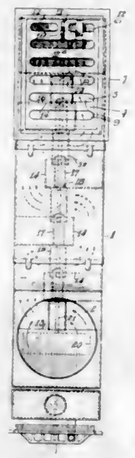
3. A frame for holding a panel including upper and lower members against which the panel is adapted to rest, and opposing retaining members adapted for pivotal movement with respect to the frame to overlie the edges of the panel, and springs serving to operate the retaining members toward the panel and for exerting a panel holding pressure on said members, the panel as supported by the upper and lower members serving as a limit for the operative movement of the retaining members.

1,586,578. HEADLIGHT. ISAAC D. ROBERTSON, New York, N. Y., and RICHARD H. ROBERTSON, Charleston, S. C. Filed Aug. 28, 1925. Serial No. 53,048. 2 Claims. (Cl. 240—62.)



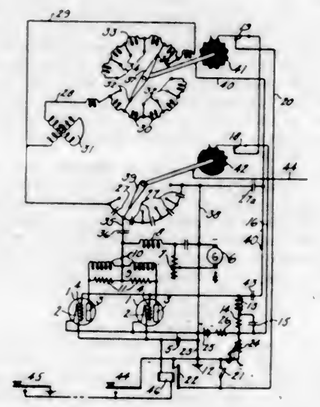
1. The combination of a motor vehicle having steering means, a pair of spaced headlights, a pair of vertical shafts connected to said headlights, a transverse shaft supported beneath said vertical shafts, means for connecting said shaft to said steering means, a pair of beveled gears carried at the lower ends of said vertical shafts and segmental gears carried by said transverse shaft, each being adapted to engage its companion beveled gear, and turn the headlight in the direction of the changed position of the vehicle.

1,586,579. AIR-MOISTENING MEANS FOR HOT-AIR-FURNACE FLUES. JOHN G. SAUER, Rochester, N. Y. Filed Aug. 20, 1920. Serial No. 404,825. Renewed Oct. 30, 1925. 3 Claims. (Cl. 261—126.)



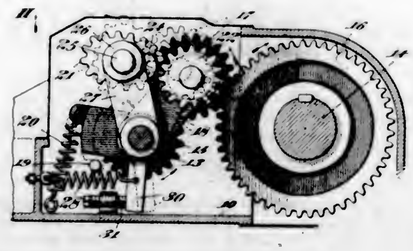
1. In combination with a vertically arranged flue, having an inlet at its bottom and an outlet at its top, a supply receptacle arranged adjacent the outlet provided with a discharge and a valve controlling said discharge, an open ended receptacle arranged adjacent said inlet, a plurality of open receptacles, one arranged above the other between the inlet and the outlet, the upper one of said plurality of open receptacles receiving liquid from the supply receptacle, overflow connections between the open receptacles, and means in the lower receptacle having connection with the valve of the supply receptacle extending through the overflow connections for controlling the flow of liquid from the supply receptacle to the open receptacle next beneath it.

1,586,580. OSCILLATING SYSTEM. JOHN C. SCHELLENG, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,515. 6 Claims. (Cl. 250—40.)



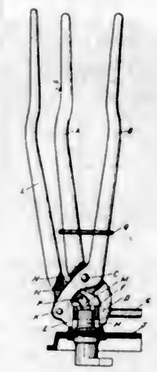
3. An oscillatory system comprising a space discharge device, coupled input and output circuits therefor including a tuned frequency determining circuit comprising a capacity having connected in shunt thereto a plurality of parallel connected inductive paths, one of which includes a sectionalized inductance while the other path includes a sectionalized inductance in series with a continuously variable inductance, means for simultaneously varying the number of sections included in said respective paths in shunt to said capacity, and means for adjusting said continuously variable inductance.

1,586,581. ENTRAINMENT GEARING. CHARLES SCHENCK, Bethlehem, Pa., assignor to Bethlehem Steel Company. Filed July 9, 1925. Serial No. 42,436. 5 Claims. (Cl. 74—7.)



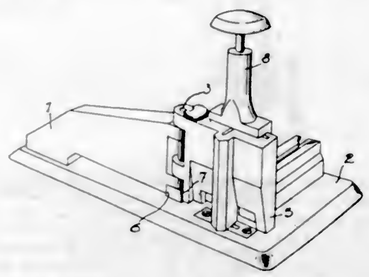
1. In gearing mechanism, the combination of a driving gear, a driven gear, a tumbler gear unit constantly in mesh with the driving gear, a carrier for the tumbler gear unit for confining movement thereof to meshed and demeshed positions with respect to the driven gear, and a gear of variable radius having a portion thereof of smaller radius engaging teeth of the tumbler gear unit when the latter is in demeshed position, whereby, when the driving gear and tumbler gear unit are rotated, the gear of variable radius will be effective to shift the tumbler gear unit in a meshing direction with respect to the driven gear.

1,586,582. TERMINAL REMOVER. GUSTAF SKOGLUND and ANDREW OLSON, Minneapolis, Minn. Filed Oct. 12, 1925. Serial No. 62,180. 5 Claims. (Cl. 29—84.)



1. The combination with a pair of tong levers having substantially parallel, spaced jaws provided with opposed gripping teeth, of a third lever pivotally secured to one of the tong levers and having an operating finger adapted to be moved substantially endwise and longitudinally between the jaws of the tongs.

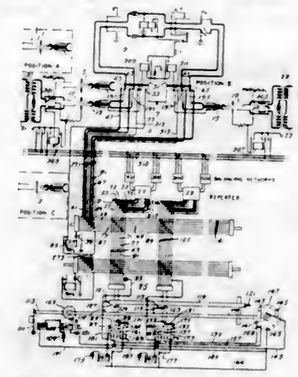
1,586,583. TACKING OR STAPLING MACHINE. HANS SKREBBA, Lahr, Germany. Filed June 9, 1925, Serial No. 35,976, and in Germany Oct. 2, 1924. 3 Claims. (Cl. 1—3.)



1. In a stapling machine, a base, a stapling head including a guiding member therefor, means for mounting the guiding member for swinging and sliding movement relative to the base to permit the guiding member to be positioned at different operative points on the base, and cooperating locking means on the base and guiding member adapted to hold the guiding member in any one of its predetermined positions, the locking means of the base and guiding member being separable to permit change in position of the member through a sliding movement of said member relative to the base.

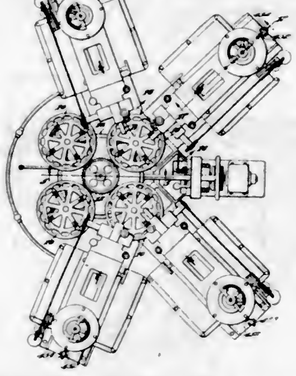
1,586,584. REPEATING CIRCUITS AND METHOD. CHARLES P. SOPER, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1921. Serial No. 468,617. 12 Claims. (Cl. 179—171.)

1. In a signaling system, a plurality of switchboard positions, a switching link at one of said positions, a plurality of switching links at another of said positions, and a plurality of two-way repeaters each of which is adapted to be connected in said link at said



one position and one of said links at said other position, one of said repeaters being adapted to be connected in a plurality of said links at said other position.

1,586,585. WELDING MACHINE. ARTHUR M. STANLEY, Lynn, and JAMES E. SIMS, Quincy, Mass., assignors to Stanley Steel Welded Wheel Corporation, Boston, Mass., a Corporation of Delaware. Filed Nov. 25, 1921. Serial No. 517,461. Renewed Oct. 16, 1925. 42 Claims. (Cl. 219—4.)

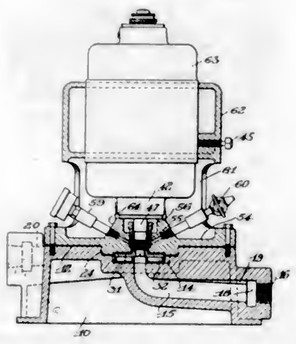


1. A machine for producing a series of welded areas in different portions of a steel wheel having, in combination, wheel supporting means, welding electrodes, and means for relatively moving the wheel supporting means and welding electrodes to present successive portions of the wheel to a welding position.

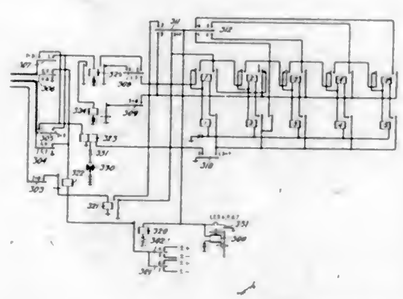
1,586,586. PUMP. RAYMOND F. SWETT and ROBERT W. NEEL, Medina, N. Y., assignors to Erie Pump & Engine Works, Medina, N. Y., a Corporation of New York. Filed Aug. 17, 1923. Serial No. 657,955. 6 Claims. (Cl. 103—87.)

1. In a pump, the combination of a base having an impeller chamber provided with suction and discharge passages, an impeller within said chamber, a frame unit

having an annular portion forming a closure for said chamber and provided with an opening therethrough and also having an upright bearing portion and a vertically disposed motor including a housing having its lower end resting upon said annular portion whereby the motor is supported independently of its shaft, the latter projecting into said opening and connected with said impeller, said upright bearing portion being adapted to engage said motor above said annular portion to holding it thereon.



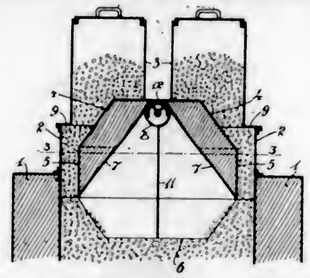
1,586,587. TESTING SYSTEM FOR TESTING SUBSCRIBERS' STATION APPARATUS. CARLETON V. TAPLIN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 2, 1924. Serial No. 723,804. 8 Claims. (Cl. 179—27.)



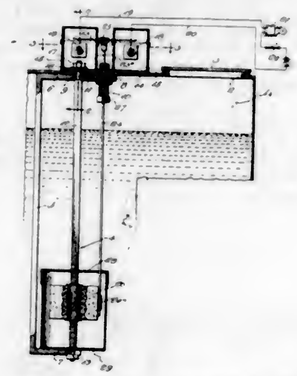
1. In a testing system for testing subscribers' station apparatus associated with single or party lines of a central office, a testing device located in said central office, means for directing a call from a subscriber's station to said testing device, and means for testing only the subscribers' station from which said call is initiated independent of manual assistance at said central office.

1,586,588. CHARGING HOPPER FOR ELECTRIC FURNACES. CARL THEODOR THORSSELL, EBBE CHRISTIAN BECK-FRIIS, and ERNST ERIK DAVID EDLUNDH, Gottenborg, Sweden. Filed June 20, 1921. Serial No. 479,071. 4 Claims. (Cl. 204—64.)

1. A charging hopper for electric furnaces, comprising a distributing member arranged at the upper end of the furnace and diverging downwardly, a gas outlet arranged beneath said distributing member and converging upwardly, and an outlet pipe connected with the upper part of said gas outlet, and means associated with said gas outlet for directing the gases to different parts of the material in the furnace.



1,586,589. LIQUID-FUEL GAUGE. JOSEPH W. WALKER, Topeka, Kans. Filed Feb. 12, 1925. Serial No. 8,782. 4 Claims. (Cl. 200—84.)



1. A liquid level gauge comprising a float-guiding structure for disposition in a tank, said structure including a horizontal portion to engage the lower surface of the tank top, a sleeve rising rigidly from said portion, and a rod whose upper end passes through and projects rigidly above said portion in laterally spaced relation with the sleeve; a contact-mounting base adapted to rest on the tank top, said base having openings to receive said sleeve and said upwardly projecting end of said rod when said sleeve and rod end are passed through the tank top, a nut adapted for threading on said rod end into engagement with said base, stationary contact means on said base, a movable contact cooperable with said stationary contact means, an operating member for said movable contact adapted for passage through the aforesaid sleeve, and a float connected to said operating member, said float being slidably associated with the aforesaid rod.

1,586,590. MANUFACTURE OF FERROCHROMIUM ALLOY. RONALD WILD, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America, a Corporation of Maryland. Filed Feb. 5, 1923. Serial No. 617,171. 7 Claims. (Cl. 75—45.)

1. In the manufacture of an alloy of iron and chromium, the method of removing an impurity from a ferrous bath containing chromium consisting in submitting the bath to an oxidizing blow in the presence of manganese in such quantity that the chromium is protected from oxidation during the blowing operation.

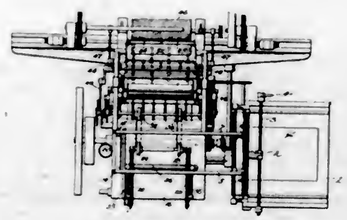
1,586,591. MANUFACTURE OF FERRO-ALLOYS, PARTICULARLY FERROCHROMIUM ALLOYS. RONALD WILD, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America, a Corporation of Maryland. Filed Feb. 5, 1923, Serial No. 617,172, and in Great Britain Mar. 1, 1922. 13 Claims. (Cl. 75—45.)

3. The process for the manufacture of ferro-chromium alloys which comprises reducing a reducible compound of chromium by exothermic reaction with a silicon-reducer in presence of iron and of a substantial excess of said reducible chromium compound over the quantity chemically equivalent to the reducing agent.

1,586,592. MANUFACTURE OF UNSTAINABLE IRONS AND STEELS. RONALD WILD, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America, a Corporation of Maryland. Original application filed Feb. 5, 1923, Serial No. 617,172, and in Great Britain Mar. 1, 1922. Divided and this application filed May 4, 1923. Serial No. 636,758. 16 Claims. (Cl. 75—45.)

1. The manufacture of unstainable metal which comprises diluting with molten iron of low-carbon content, the iron-chromium product of reducing a substantially non-carboniferous compound of iron and chromium with a low-carbon silicon reducer, so as to obtain a dilution product in the form of a low-carbon silicon contaminated initial alloy containing iron and chromium in the relative proportions in which these metals are present in unstainable metal and uncontaminated with carbon, phosphorous and sulphur beyond the tolerance limits for these impurities in finished unstainable metal, and then submitting the dilution product to purification by an oxidizing blow.

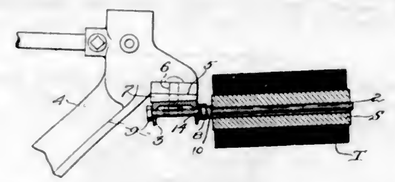
1,586,593. TUBE-MAKING MACHINE. GEORGE R. WYMAN, Walpole, Mass. Filed June 4, 1924. Serial No. 717,866. 15 Claims. (Cl. 93—81.)



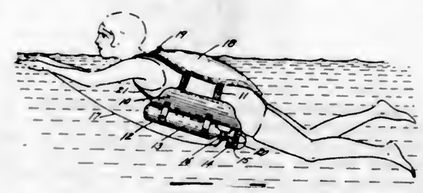
1. In a paper tube machine, the combination of sheet moistening means; means to draw the sheet over and in contact with said moistening means; with a portion of the sheet in advance thereof; pasting means; and a winding mandrel adapted to receive the moistened and pasted sheet.

1,586,594. CREEL. THOMAS MARSHALL ALLEN, Torrington, Conn., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Original application filed Mar. 8, 1923, Serial No. 623,646. Divided and this application filed Feb. 14, 1924. Serial No. 692,669. 4 Claims. (Cl. 242—130.)

3. In a creel of the character described, the combination of a pin for supporting a thread body, a rail holding said pin in a position slightly inclined with reference to a horizontal plane, said pin projecting loosely through said rail whereby it may move endwise relatively to said rail, and stops on the pin for limiting said endwise movement.

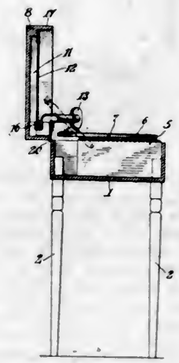


1,586,595. SWIMMING DEVICE. WORTH R. BARRINGER, Denver, Colo., assignor of one-eighth to Jesse Ernest Jones, Denver, Colo. Filed Aug. 24, 1925. Serial No. 51,935. 6 Claims. (Cl. 9—18.)



6. A propelling device for bathers comprising a pressure container; a valve secured to one extremity of said container; a turbine motor carried on the extremity of said valve; a breast plate adapted to be attached to said bather; and means carried by said breast plate for detachably engaging said container.

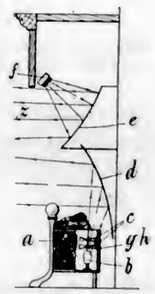
1,586,596. PHONOGRAPH. ROBERT Y. BARROWS, Rutherford, N. J., assignor to Robert Y. Barrows, Inc., a Corporation of New York. Filed July 14, 1921. Serial No. 484,540. 5 Claims. (Cl. 274—2.)



1. In a phonograph, the combination of a member having a substantially rectangular sound amplifying chamber, a resilient diaphragm covering said chamber and forming one side thereof, a sound box, and a tone arm providing a direct pneumatic connection between the diaphragm of said sound box and said resilient diaphragm, said

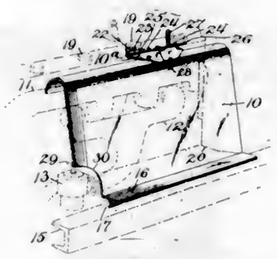
chamber and tone arm forming a substantially air-tight enclosure, the walls of said chamber other than said resilient diaphragm being substantially non-resilient, and said resilient diaphragm being many times larger than the diaphragm of said sound box.

1,586,597. IMITATION FIRE. HERBERT HENRY BERRY, London, England. Filed Jan. 3, 1924, Serial No. 684,264, and in Great Britain Jan. 25, 1923. 1 Claim. (Cl. 272—8.



A heat reflecting element for use with imitation fire constructions, including a reflector arranged above the imitation fire and simulating a smoke canopy for such imitation fire, the outer surface of the reflector being downwardly and outwardly curved to reflect heat rays from an independent source of heat.

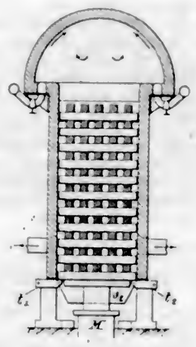
1,586,598. HEAT RETAINER FOR AUTOMOBILE ENGINES. MAX BLUMENSCHEIT, Port Monmouth, N. J. Filed Apr. 9, 1923. Serial No. 630,713. 1 Claim. (Cl. 257—241.)



A heat retainer for automobiles comprising a sheet of metal extending from the top of the engine to the side frame of the chassis and having a bottom flange to rest on the frame and a lip to engage the side of the frame to prevent side movement of the bottom, the top of the sheet having a curved part to go over the manifold, a detachable means for securing the curved top to the top of the engine, and a front wall on the retainer and extending from the sheet aforesaid to the side of the engine.

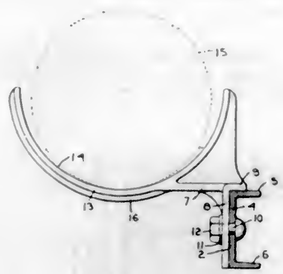
1,586,599. VERTICAL HEATING FURNACE. ERNST BOHLER, Rosselange, France. Filed Mar. 19, 1923, Serial No. 626,225, and in Germany Mar. 20, 1922. 3 Claims. (Cl. 263—6.

1. A vertical heating furnace of the continuous type for heating by direct contact, for rolled half-products such as blooms or billets, or for similar metal pieces, comprising a vertical heating chamber, adapted to feed them into the heating chamber, means for supporting and



lifting the billets, means for feeding the products of combustion from the upper end, and means for discharging such products from the lower end.

1,586,600. TEMPORARY CLOTH-ROLL SUPPORT FOR LOOMS. CHARLES CLYDE BOLEN, Danville, Va., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 4, 1926. Serial No. 85,859. 1 Claim. (Cl. 139—291.)

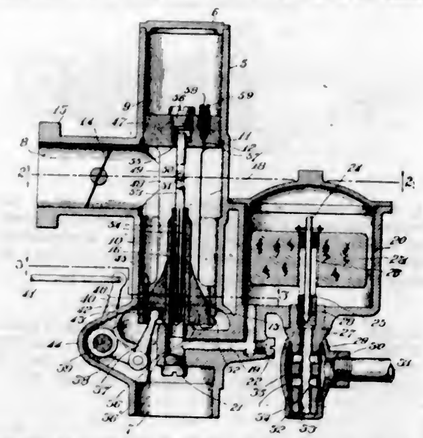


In a loom, a plurality of temporary supporting brackets for the cloth roll, each comprising a base, means for rigidly securing the base to the arch of the loom, and an arm projecting forwardly from the base and presenting at the top a concave seat to receive the cloth roll.

1,586,601. CARBURETOR. PHILIP C. BOOTY, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 432,155. 2 Claims. (Cl. 261—50.)

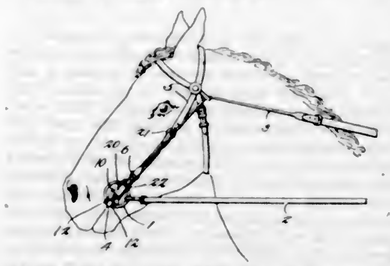
2. In a carburetor, the combination of a casing, an upwardly movable member adapted partially to close the casing at its lower end portion, a valve supported by said member and effectively closing the remainder of the lower end of the casing, means for moving said member upwardly and for holding it in elevated position, said valve opening upwardly away from said member so that the pressure of back-fire on the upper face of the valve tends to move the valve downwardly against said

adjustably supported member, and means having a downwardly-disposed pressure face movable with the valve adapted by a preponderance of pressure of back-fire



thereon as compared with the pressure on the valve to move the valve in the direction away from its seat on said adjustably held member.

1,586,602. BRIDLE ATTACHMENT. DANIEL BRIGGLE, Bloomdale, Ohio. Filed Aug. 14, 1925. Serial No. 50,290. 3 Claims. (Cl. 54—6.)

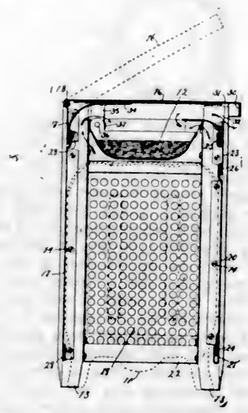


3. A device of the class described comprising an inverted U-shaped member having inturned hooks at its free ends, a bar slidable on said ends, a coiled spring mounted to project said bar to clampingly connect the device with a bridle bit ring disposed between the bar and the hooks, a roller mounted between the legs of said member, and a strap passing around said roller provided at its ends with means for connection respectively with a bridle check strap and a check rein.

1,586,603. CORE FOR FORMING APERTURES IN MOLDED BLOCKS AND THE LIKE. DAVID WALLER BROWN, Akron, N. Y. Filed Nov. 19, 1923, Serial No. 75,738. Renewed Oct. 14, 1925. 6 Claims. (Cl. 25—128.)

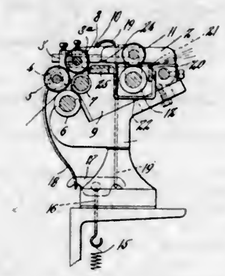
1. A core for forming apertures in molded plastic material comprising a member formed in sections, a rubber casing exterior of said member, and means for changing the relation of said sections to distend and allow contraction of said rubber casing.

1,586,604. RADIATOR CASING. ADAM D. BULL, Chicago, Ill., assignor to Home Radiator Cabinet Co., Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Sept. 17, 1923. Serial No. 663,120. 16 Claims. (Cl. 257—138.)



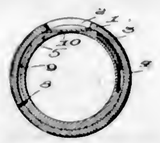
5. In a device of the class described the combination of a housing adapted to be positioned over a radiator, a pan mounted in the housing above the radiator and spaced from the housing to form passages for air between the front and rear walls of the housing and the pan, said housing having a longitudinal slotted opening in its front wall substantially opposite the top of said pan, a baffle plate mounted over the passage between the pan and the rear wall and opposite said slotted opening, said plate being adapted to direct the air currents from the rear passages over the surface of water contained in the pan and out through said opening, and a second baffle plate mounted over the passage between the pan and the front wall and below the slotted opening, said second baffle plate being adapted to direct the air currents from the front passages into convergence with the currents from said rear passages adjacent the surface of the water in said pan.

1,586,605. DRAWING MECHANISM. ARTHUR CECIL BUTLER, Boston, Mass. Filed July 15, 1924. Serial No. 726,108. 19 Claims. (Cl. 19—30.)



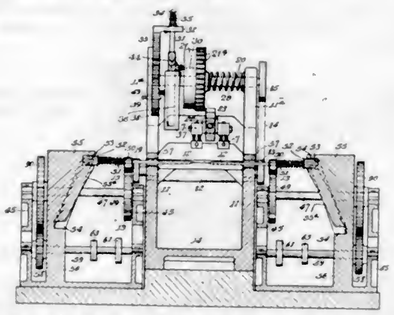
8. The method which comprises subjecting a roving to feeding and drafting actions of materially increasing velocities in its direction of progress and by such drafting action causing its compression or contraction against a relatively stationary intermediary member at or about a point distant from the drafting means relative to the length of the fibers of the roving under treatment, as to cause the drawing out or parting of fibers to consistently take place at about this point.

1,586,606. FINGER RING. IRA L. CAIN, Wichita Falls, Tex. Filed Dec. 1, 1925. Serial No. 72,533. 6 Claims. (Cl. 63—15.)



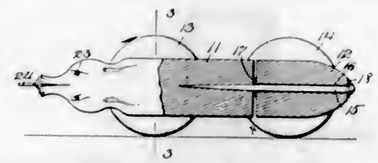
4. A finger ring comprising two relatively rotatable concentric annular sections, one fitting in the other, the outer of said sections having an opening formed in the wall thereof, the inner of said sections having a portion of the outer periphery thereof flattened and having a recess in its outer periphery spaced from said flattened portion, a mirror on said flattened portion of the inner section adapted to cover the inner end of the opening in the outer section when the outer section is in a certain position on the inner section, and a closure panel adapted to move from position in the recess in said inner section to position to substantially fill the opening in the outer section when said outer section has been moved on the inner section from said first named position until the opening in the outer annular section is over said recess, and a spring arm secured at one end in the recessed inner section and supporting said closure panel, said spring arm acting to urge said closure panel outward to position to enter the opening in said outer annular section, said closure panel having a beveled end wall adapted to engage with an end wall of the opening in the outer section when said outer section is turned in one direction on the inner annular section, whereby said closure panel will be biased from position in the opening in the outer annular section to position to enter the recess in the inner annular section.

1,586,607. TIN OPENER. JAMES CARAFILIDIS, Sabraton, W. Va., assignor of three-tenths to James Delas, Greensburg, Pa., and one-fifth to Vasel Savidis, Morgantown, W. Va. Filed Apr. 29, 1922. Serial No. 557,258. 6 Claims. (Cl. 29—17.)



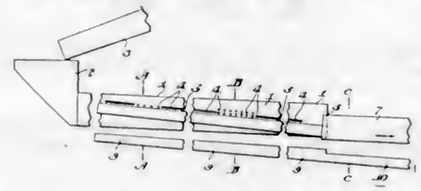
6. A machine for opening sheet metal packs, comprising a pack carrying and supporting device, means for retracting said device to a position in supporting relation to a pack, means for advancing said device following release by said retracting means, for advancing the pack, means acting to successively produce initial separation of an end of the lowermost sheet of the advanced pack, knife blades arranged in opposing cooperative relation, means for actuating said blades to enter successively between said separated ends and the over-lying portions of the pack and thence to traverse the length of the pack for cleaving said sheets from the overlying portions of the pack and means whereby said retracting means are maintained inoperative during the time that a pack is supported in advanced position and are then rendered operative following the sheet separating operation.

1,586,608. WHEELED TOY. GEORGE W. CARVER, East Orange, N. J. Filed Nov. 2, 1922, Serial No. 598,497. Renewed Oct. 23, 1925. 3 Claims. (Cl. 46—48.)



1. A toy comprising a body portion made up of two members having a connection between them that allows free relative rotation, and substantially hemispherical wheels on each member said wheels being of larger diameter than the body portion.

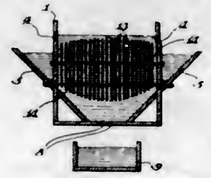
1,586,609. METHOD AND APPARATUS FOR THICKENING MIXTURES AND CLARIFYING LIQUID. HENRY M. CHANCE, Philadelphia, Pa. Filed July 22, 1925. Serial No. 45,231. 4 Claims. (Cl. 210—51.)



1. A method for treating fluid mixtures of liquids and comminuted solids heavier than said liquid and substantially insoluble therein, which consists in causing a mixture of the described type to flow in a substantially quiescent stream; in permitting portions of said solids to settle by gravitation towards and into the lower portion of said flowing stream, thus producing a thickening of the mixture in the lower portion of said flowing stream; in continuously removing thickened mixture from said lower portion of said moving stream, whereby the volume of said flowing stream is progressively decreased by the removal of the thickened product forming in said lower portion, thus permitting additional quantities of said solids to settle by gravitation into the lower portion of the remainder of said stream; in continuing said thickening and said removal until the desired quantity of thickened product is removed; in simultaneously removing from the upper portion of said flowing stream liquid from which most of said solids have settled and in continuing said removal from the upper portion of the remainder of said stream, until clarification of a sufficient part of said liquid and the thickening of a sufficient part of said mixture is effected.

4. Apparatus for treating fluid mixtures of liquid and comminuted solids heavier than said liquid and substantially insoluble therein, comprising in combination a conduit adapted to permit the movement therethrough of a substantially quiescent flowing stream of a mixture of the described type; means for imparting to said stream a velocity sufficient to keep the particles of said solids adjacent to the lower part of said conduit continuously moving with said stream; means for discharging from the lower part of said conduit material from the lower portion of said moving mixture of liquid and solids, said means being substantially co-extensive with the operative length of said conduit, thus permitting additional quantities of said solids to gravitate to the lower part of said conduit and into the lower part of the remainder of said moving stream; means providing for the discharge from the upper portion of said conduit of liquid from which said solids have settled by gravitational sedimentation, said means being substantially co-extensive with the operative length of said conduit and means for separately conveying away the thickened product and the clarified liquid thus removed from said conduit.

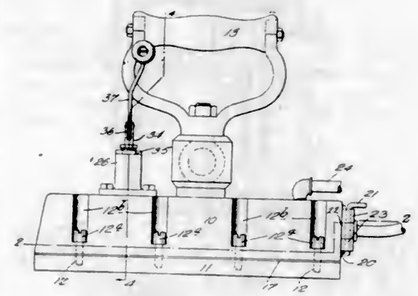
1,586,610. METHOD AND APPARATUS FOR CLARIFYING LIQUIDS AND THICKENING MIXTURES. HENRY M. CHANCE, Philadelphia, Pa. Filed July 22, 1925. Serial No. 45,232. 2 Claims. (Cl. 210—51.)



1. A method for clarifying the liquid constituent of mixtures of liquid and comminuted solids heavier than said liquid and substantially insoluble therein and for thickening a portion of said mixture, which consists in providing a body of such mixture having a length materially greater than its depth; in imparting a substantially quiescent movement of longitudinal translation to said body; in reducing the velocity of the central portion of said body by dividing said central portion into a plurality of substantially parallel, vertical, longitudinal sheets, which are in free and unobstructed connection with other portions of said body, whereby the velocity of translation of said central portion is relatively less than the velocity of translation in the other portions of said body; in maintaining relatively high velocity of translation in the lower part of said body, whereby solids settling by gravitation upon entering the lower part of said body, produce thickening thereof and said thickened portion is by the motion of translation maintained in a fluidic condition; in removing during said translation thickened product from said lower portion, and in simultaneously removing clarified liquid from the upper portion of said body.

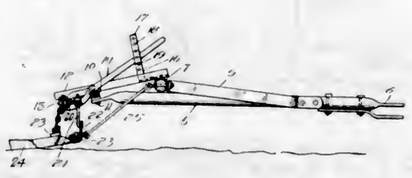
2. Apparatus for clarifying the liquid constituent of mixtures of liquid and comminuted solids heavier than said liquid and substantially insoluble therein for thickening a portion of said mixture, comprising in combination, a conduit adapted to permit the movement therethrough of a substantially quiescent flowing stream of mixture of the described type, said conduit having a length substantially greater than its vertical depth; means for imparting a substantially quiescent motion to mixture contained therein, whereby a motion of longitudinal translation therethrough is imparted to said mixture; means for reducing the velocity in the central part of said conduit, said means comprising a plurality of substantially parallel, vertical, longitudinal dividers, located in the central part of said conduit, whereby the central portion of mixture in said conduit is divided into a plurality of parallel, vetrical, longitudinal sheets which are in substantially unobstructed contact with other portions of said mixture, thus reducing the velocity of translation in the central part of said mixture by the skin-friction resistance due to contact of said sheets with said dividers, and whereby solids settling by gravitation from said sheets and entering the lower part of said mixture produce thickening thereof, and whereby the higher velocity of translation in said lower portion maintains said thickened product in a fluidic condition; means for removing said thickened product from the lower part of said conduit, said means being substantially coextensive with the operative portion of said conduit and means for removing clarified liquid from the upper part of said conduit.

1,586,611. PRESSING IMPLEMENT. FREDERICK J. CLARK, Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Filed Aug. 22, 1923. Serial No. 658,721. 9 Claims. (Cl. 68—26.)



1. In a pressing implement, the combination of a pressing body comprising separable portions having opposed grooved faces, a plate removably secured between and cooperating with said grooved faces to form separate fluid heating and discharge passages at opposite sides of said plate, said passages being connected, mean for heating fluid in said heating passage, and means for controlling the discharge of fluid from said discharge passage.

1,586,612. HARROW. ALFRED H. CORBETT and HOYLE POUNDS, Winter Garden, Fla. Filed June 6, 1925. Serial No. 35,479. 5 Claims. (Cl. 55—149.)



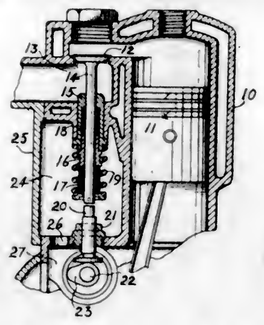
1. In a harrow, a draw bar, a beam extending transversely of the intermediate portion of the draw bar, a second beam extending transversely of the rear end of the draw bar, a pair of longitudinal members fixed at their intermediate portions to the ends of the second beam and at their forward ends of the first mentioned beam, a supporting bar disposed below the longitudinal members at their rear ends, cranks fixed to the supporting bar, means for holding the cranks in different adjusted positions, and harrow blades mounted on the supporting bar.

4. In a harrow, a frame, a pair of members extending longitudinally of the frame and beyond the rear thereof, a supporting bar engaging the under surface of the rear end of the members, cranks for turning the supporting bar, means for holding the cranks in different adjusted positions, gang bars suspended from the supporting bar, and harrow blades on the gang bars.

1,586,613. OILING DEVICE FOR VALVE-GUIDE BUSHINGS. WILLIAM A. DISCH, Chicago, Ill. Filed Sept. 28, 1925. Serial No. 59,151. 2 Claims. (Cl. 308—5.)

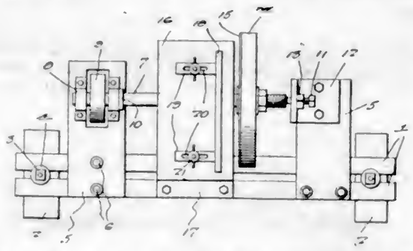
1. In an oiling device for valve guide bushings, a valve guide bushing provided with a bearing at one end and a chambered portion at the other end, a nut bearing

member fastened to the chambered portion of the valve guide bushing, an enclosed fabric member in the chambered portion of the valve guide bushing, in combination



with an exposed fabric member below the valve stem bearings in the valve guide bushing and in operating contact with the valve guide bushing.

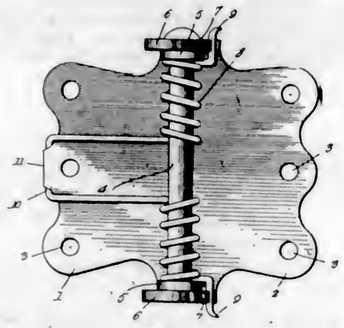
1,586,614. WEAVING SHUTTLE-REFINISHING MACHINE. ISRAEL DOUCETTE, Fall River, Mass. Filed June 9, 1924. Serial No. 718,943. 1 Claim. (Cl. 51—128.)



A device of the class described, including bar members, a pair of blocks mounted in spaced relation on said bar members and secured thereto at one end, shaft bearings mounted on one of said bar members, a shaft rotatably mounted on said bearings having a thrust collar adapted to engage one of said bearings, for receiving the end thrust of said shaft, an adjustable bearing member on the other block member for the other end of said shaft, adapted to hold the thrust collar in engagement with the bearing, to prevent axial movement thereof in said bearing, a disc mounted for rotation on and with said shaft, having one face thereof provided with abrasive material, a work rest mounted on said bar members, and a holding plate adjustably mounted on said rest adapted to be positioned in parallel spaced relation with respect to the abrasive covered face of said disc member, whereby shuttles may be passed between said disc and holding plate to have the surfaces thereof squared and refinished.

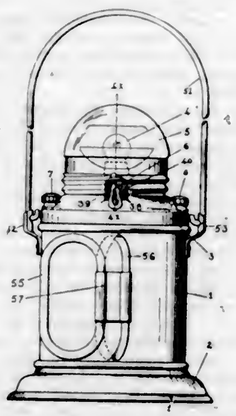
1,586,615. ADJUSTABLE SCREEN-DOOR HINGE. SAMUEL FRANCIS ELLIOTT, Knightstown, Ind. Filed May 19, 1924. Serial No. 714,432. 1 Claim. (Cl. 16—188.)

A hinge comprising plates, said plates having upwardly extended ears, said ears having apertures, a pintle extending through the apertures, the ears of one plate having ratchet teeth formed thereon, an intermediate offset portion formed on one edge of one plate, providing a lug, said lug having its under surface cut away to provide a seat, a spring member having a loop portion fitted in the seat and embracing a portion of the lug, said spring having coiled portions coiled around portions of the pintle and lying in spaced relation therewith, the coiled portions of the spring having their extremities ex-



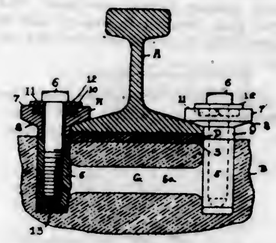
tended laterally providing finger pieces, the laterally extended portions adapted to cooperate with the teeth for tensioning the coiled spring, and the extremities of the coiled portions extending beyond the side faces of the ears of the plates.

1,586,616. ELECTRIC LANTERN. WILLIAM C. EMBURY and WILLIAM H. CHAMBERLAIN, Warsaw, N. Y., assignors to Embury Manufacturing Company, Warsaw, N. Y., a Corporation of New York. Filed Aug. 24, 1925. Serial No. 51,968. 6 Claims. (Cl. 240—10.5.)



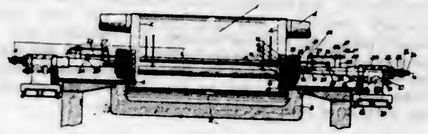
1. In an electric lantern, the combination of a casing, a removable battery magazine comprising a pair of heads, spacing bars connecting said heads, electric cells placed between said heads, said spacing bars connecting the negative side of one of said cells with the positive side of the adjacent of said cells, positioning means within said casing adapted to position said battery magazine within said casing and prevent its rotation within said casing, and a locking dog carried by said battery magazine adapted to lock said magazine against endwise movement within said casing.

1,586,617. MEANS FOR FASTENING RAILWAY RAILS TO THEIR SUPPORTS. HARRY ETHERIDGE, Zelienople, Pa. Filed Feb. 3, 1926. Serial No. 85,719. 7 Claims. (Cl. 238—373.)



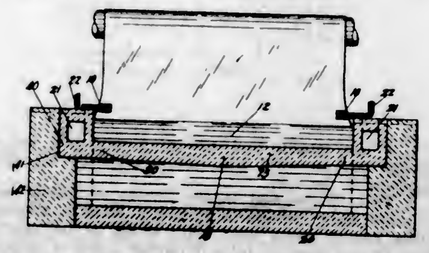
1. The combination with a support for a railway rail, of a clamp having an arcuate beveled surface adapted to fit down over the edge of the rail base, and means for securing the clamp to the support, said clamp being mounted so as to be free to rotate to allow for the movement of the rail due to expansion and contraction.

1,586,618. METHOD AND APPARATUS FOR DRAWING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed July 7, 1922. Serial No. 573,292. 27 Claims. (Cl. 49—17.)



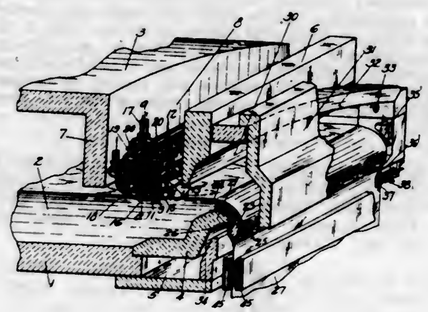
1. In the art of drawing sheet glass from a mass of molten glass, the method of maintaining lateral tension in the sheet during the formative period, consisting in forming thickened edge portions on the sheet at the sheet source, gripping the thickened portions between rolling surfaces after they have passed beyond their place of formation and immediately adjacent thereto and holding the sheet against its tendency to contract.

1,586,619. METHOD AND APPARATUS FOR SUPPLYING MOLTEN GLASS TO SHEET-DRAWING MACHINES. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 12, 1922. Serial No. 593,961. 11 Claims. (Cl. 49—17.)



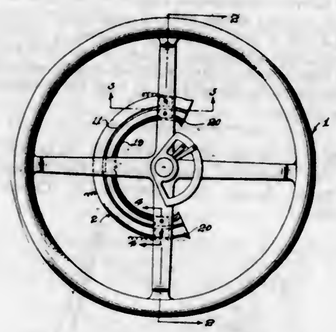
3. In an apparatus for drawing sheet glass, wherein the sheet is drawn upwardly from a rather deep pool of molten glass, means for segregating a shallow body of the molten glass below and adjacent the sheet source, comprising a submerged refractory plate with its upper surface substantially parallel with the surface of the pool, the plate having a substantially flat upper surface but being thicker at the center than adjacent the sides of the pool, for the purpose described, and heating chambers contained within the ends of the plate.

1,586,620. METHOD AND APPARATUS FOR CONTINUOUSLY DRAWING SHEET GLASS. ENOCH T. FERNGREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 11, 1922. Serial No. 593,884. 16 Claims. (Cl. 49—17.)



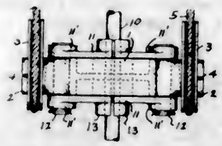
1. The method of producing sheet glass, wherein a layer of cooler plastic glass is congealed upon a portion of the surface of a pool of liquid glass, this layer being reheated and then floated over the edge of the containing receptacle upon a film of liquid glass and drawn away in sheet form.

1,586,621. VEHICLE SWITCH. ISIDORE EDWARD GORDON and LEO SKOWREINSKY, New York, N. Y. Filed Mar. 29, 1924. Serial No. 702,873. 3 Claims. (Cl. 200—59.)



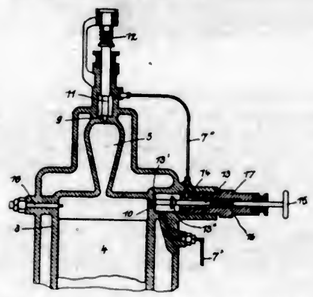
1. In a circuit closer of the class described in combination, a crescent-shaped tube, flared at the ends, a slot at the top of the said tube, an insulated lining within the tube, a conducting lining within the insulated lining, the said conducting lining being shorter than the said insulated lining, a clamp consisting of spokes and a clamping ring for attaching the said circuit closer to a steering rod of a motor vehicle, a contact member slidable in said circuit closer, a neck at the upper part of said slidable element, the said neck being movable in a U-shaped member, and a threaded bolt, to adjust the lateral movement of the movable element.

1,586,622. POLISH-ROD CLAMP. REX G. HAMAKER, Houston, Tex. Filed Aug. 24, 1925. Serial No. 52,199. 4 Claims. (Cl. 24—135.)



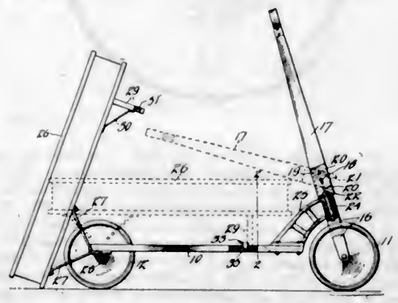
1. A polish rod clamp including an arcuate one piece clamp body whose ends are extended and turned into substantial alignment forming means for the attachment of a suspending cable to said body, toggle arms pivoted to said body, clamp jaws carried by the free ends of the respective arms, an extension carried by each arm at substantially right angles thereto and means for securing said jaws in clamping relation with the rod, said means being releasable to permit the release of the jaws from the rod.

1,586,623. METHOD OF AND DEVICE FOR OPERATING INTERNAL-COMBUSTION ENGINES. VICTOR HEIDELBERG, Bensberg, and RUDOLF MÜLLER, Koln-Deutz, Germany. Filed Jan. 10, 1923. Serial No. 611,857. 2 Claims. (Cl. 123—32.)



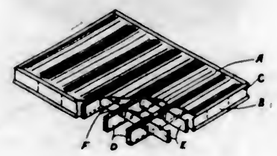
1. An internal combustion engine of the type in which ignition is secured by the heat of compression, comprising a cylinder and a pre-combustion chamber, a nozzle opening directly into the engine cylinder to be used for starting the engine and a fuel injecting nozzle opening into the pre-combustion chamber to be used for normally running the engine.

1,586,624. CHILD'S COMBINATION WAGON. WILLIAM H. HERRICK, Indianapolis, Ind. Filed Sept. 10, 1924. Serial No. 736,985. 2 Claims. (Cl. 280—87.5.)



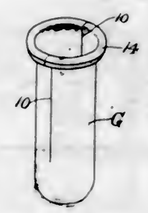
1. A convertible wheeled toy comprising front and rear wheels and a scooter platform, a steering post having an upper portion adapted to swing about a horizontal axis, a wagon body pivotally and removably supported on the rear axle of the scooter, a bracket on the forward end of the wagon body and having means for holding the bracket and forward end of the wagon body supported thereon against lateral movement, and a detent on the scooter body adapted to engage said bracket and hold the wagon body in place, substantially as set forth.

1,586,625. MATTRESS. GEORGE SAMUEL HOOKER, Brisbane, Queensland, Australia. Filed Aug. 22, 1923, Serial No. 658,808, and in Australia Sept. 18, 1922. 1 Claim. (Cl. 5—359.)



In a mattress, a cover including top, bottom and sides, parallel partitions arranged within the cover and extending from side to side thereof in one direction and having the edges thereof secured to the top, bottom and certain of the sides of the cover to provide a plurality of non-communicating chambers and supplementary partitions arranged between the first mentioned partitions and subdividing the chambers into a plurality of cells, the supplementary partitions being secured only at their ends to the first mentioned partitions whereby to permit access to the several cells for the purpose of introducing filling material.

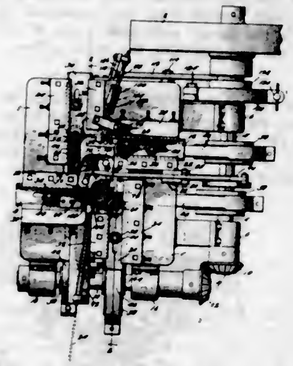
1,586,626. LAST THIMBLE AND PROCESS OF MAKING SAME. GUSTAV J. JOHNSON, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a Corporation of Massachusetts. Filed Oct. 14, 1920. Serial No. 416,965. 8 Claims. (Cl. 29—156.)



1. A last thimble consisting of a split tube and a bottom integral with said tube and uniting the split members of the tube.

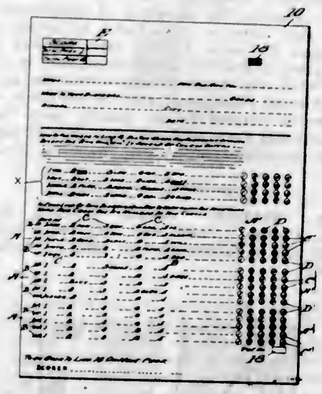
3. That improvement in the process of making last thimbles which consists in forming a blank of substantially greater length than width acting on the central part of said blank to force it through a die of suitable shape to force said blank into a cup-like form having slots in opposite sides thereof, and then repeating this operation with a smaller die to close said slots and draw out the walls of said cup-like member into a tubular shape.

1,586,627. FORMING MACHINE. LOUIS A. KOMINSKY, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 676,881. 8 Claims. (Cl. 153—34.)



3. A bar bending machine having a pair of forming dies located in position to engage the bar on opposite sides at non-adjacent points, rollers adapted to engage the bar beyond the die and slidable elements for advancing said rollers approximately tangential to the dies for bending the bar around them.

1,586,628. EDUCATIONAL TEST SHEET. CHARLES E. LAUTERBACH, Morgantown, W. Va. Filed Sept. 29, 1925. Serial No. 59,352. 3 Claims. (Cl. 35—12.)

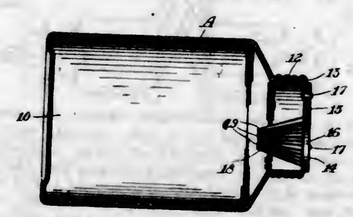


1. An educational device of the character described comprising a sheet containing a plurality of sets of data, each set being made up of a plurality of items, one or more of which is inaccurate, each item being associated with an identifying character, said sheet also containing a scoring diagram consisting of a plurality of sets of spaces, each space being associated with identifying characters which are duplicates of the first mentioned identifying characters and positioned in the same sequence, whereby the pupil may indicate the respective inaccuracies in the respective corresponding spaces, and means for guiding the pupil in making the indications of said inaccuracies.

1,586,629. PAD FOR VEHICLE TOPS. MADISON V. LEACH, Mount Sterling, Ky. Filed Jan. 10, 1924. Serial No. 685,478. 1 Claim. (Cl. 296—118.)

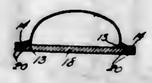
A vehicle top supporting pad formed of a piece of material folded on itself to provide three layers each of substantially the same width, the folds being on opposite sides and from opposite edges of the intermediate layer, the edges of the material being folded inwardly thereof and secured to the material adjacent the edge, filling secured between the intermediate and one of the outer layers and forming the pad, said intermediate and outer layers secured together on each side of the filling, and the other outer layer forming the lining for the pad and having reinforcements secured thereto, said lining being adapted to be folded away from the pad to be secured to the top support.

1,586,630. ANIMAL TRAP. OLAVUS THOMAS LEE and HENRY ANDREW SMITH, Stettler, Alberta, Canada. Filed Apr. 7, 1925. Serial No. 21,345. 1 Claim. (Cl. 43—65.)



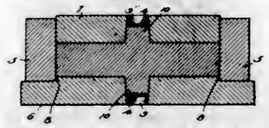
An animal trap having an opening therein to form an entrance, a pad of flexible material formed with an opening similar to the entrance opening and designed to be detachably secured on the trap around the entrance, a plurality of prongs or pins pointed at one end and flanged at the other end arranged in the flexible material around the opening and designed to converge and extend downwardly from the pad through the trap entrance to form a passageway therefrom, and means for attaching the pad to the trap.

1,586,631. SHOE AND METHOD OF MAKING SAME. FRANK LUPPINO, Watkins, N. Y. Filed Feb. 5, 1925. Serial No. 7,175. 6 Claims. (Cl. 12—142.)



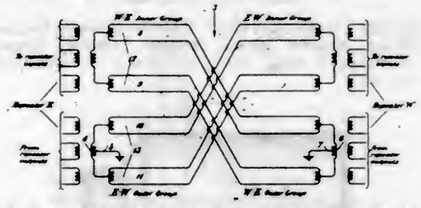
1. The herein described method of making shoes which consists in turning the lower edge of an upper outwardly and upwardly to form a fold stitching through the fold so as to provide a narrow beaded edge and an outside flap, then placing the upper on a last and using said bead as a gage to position the upper on the last with the flap coincident with the edge of the last, positioning a sole member on the last and attaching said sole member to the upper by fastening means passing through said flap and said sole member.

1,586,632. METHOD OF PRODUCING METAL BLANKS. WILLIAM MCCONWAY, Pittsburgh, Pa.; Wm. McConway, jr., executor of said William McConway, deceased, assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1922. Serial No. 601,773. 9 Claims. (Cl. 29—160.4.)



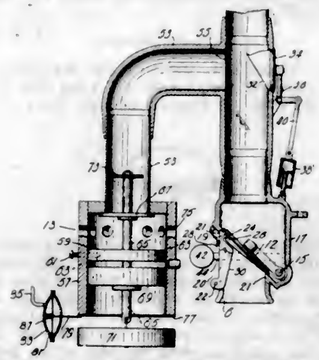
1. The method of producing metal blanks, which involves forming a metal member having an opening therethrough, subjecting said member when heated to pressure causing metal to flow toward the center of and close said opening, and subsequently causing material originally disposed in the walls of said opening to flow in the direction of the axis of said opening.

1,586,633. DRAINAGE METHOD FOR FOUR-WIRE-CABLE SYSTEMS. RALPH G. MCCURDY, Englewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 7, 1925. Serial No. 61,101. 3 Claims. (Cl. 179—78.)



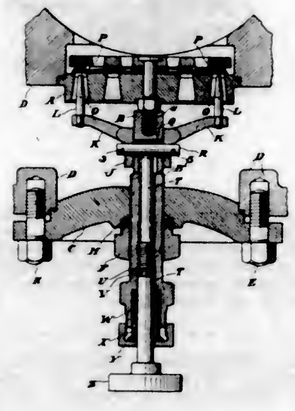
1. In a four-wire transmission system two repeater stations interconnected by a cable circuit, said cable circuit comprising a plurality of quads, a substantial number of said quads comprising one-way side and phantom circuits of said four-wire system, and means in certain of said quads for grounding the midpoint of the line side of the phantom circuit repeating coil on the output sides of said repeaters.

1,586,634. POWER-CONTROL DEVICE FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES G. MACLAREN, Mamaroneck, N. Y., and WILLIAM J. HEPPERLE, Bloomfield, N. J., assignors to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Nov. 3, 1924. Serial No. 747,435. 24 Claims. (Cl. 243—23.)



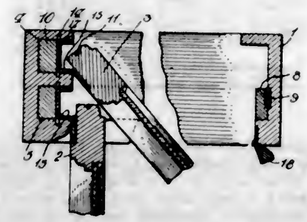
1. A pneumatic dispatch system comprising a transmission line, means tending to create a carrier propelling air current in the line, a dispatch terminal for the line, an inwardly opening gate normally closing said terminal, a normally closed controlling valve the opening of which initiates the flow of the carrier propelling air current in the line, said controlling valve opening automatically when the dispatch terminal gate is opened, and an air actuated baffle spaced from but connected to the valve for closing the latter, said baffle being at all times disposed at the inner side of the valve orifice.

1,586,635. VALVE OPENER. CHESTER W. METZGAR, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 8, 1925. Serial No. 74,033. 3 Claims. (Cl. 251—119.)



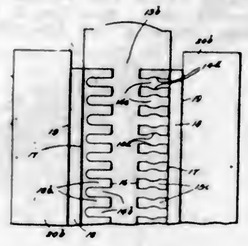
1. A manually operated device for opening and closing plate valves in the unloading of compressors, comprising a plate valve, a guide and a set screw adapted to bear upon the valve, a valve cover adapted to hold the said guide in position, a cylindrical bore in the said guide, a valve stem adapted to fit within the guide and to have threaded engagement with the set screw, a valve lifting device adapted to fit slidably upon the said guide, and means for making the said valve lifting device responsive to downward pressure from the said valve stem.

1,586,636. WINDOW. OCTAVE MILETTE, Montreal, Quebec, Canada. Filed Mar. 21, 1924, Serial No. 700,922, and in Canada Jan. 21, 1924. 1 Claim. (Cl. 20—30.)



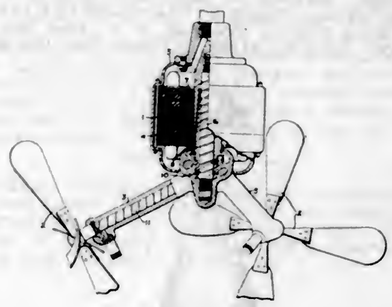
A window comprising a frame having a pair of grooves in one side thereof and alined notches in the walls of said grooves, slidable strips mounted in said grooves and projecting into said notches, an ear and a lug bent from the opposite edges of each strip, window sashes hinged to said ears, the hinged ends of said sashes having notches adapted to receive said lugs.

1,586,637. DISPLAY-BOX FILLER OR RACK. HAROLD L. MYERS, Morristown, N. J. Filed June 8, 1925. Serial No. 35,618. 7 Claims. (Cl. 211—28.)



1. A display holder comprising a base, flaps spaced laterally therefrom, and receptacle-forming pairs of strap-like keepers connected integrally with the base and extending thence to and connected with the flaps, said flaps being foldable back of the keepers, and means for holding the flaps in such position.

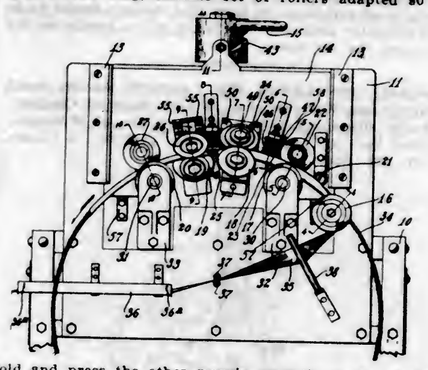
1,586,638. CEILING FAN. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Nov. 4, 1918, Serial No. 260,968. Divided and this application filed Jan. 8, 1923. Serial No. 611,262. 8 Claims. (Cl. 230—1.)



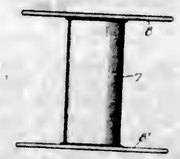
1. In an electric fan, in combination, a motor provided with a stationary shaft and a rotor rotatably mounted on the shaft, a plurality of fan wheels disposed to revolve about the shaft, a drive interposed between the fan wheels and rotor for rotating the fan wheels about their respective axes, and means actuated by the drive co-operative with the shaft to move the fan wheels in a predetermined path as they rotate.

1,586,639. RING-COVERING MACHINE. ROBERT R. AMBLER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1921. Serial No. 441,289. 22 Claims. (Cl. 154—9.)

1. In a machine for producing bead-cores of circular cross-section for pneumatic tires, the combination of means for progressively applying a covering strip longitudinally to the inner periphery of an inextensible ring, a set of rollers adapted progressively, and by successive steps laterally of the work, to fold one margin of the covering strip over the crown of the ring and press it against said ring, another set of rollers adapted so to fold and press the other margin over the crown, and a drive roller adapted to propel the work past said sets of rollers.

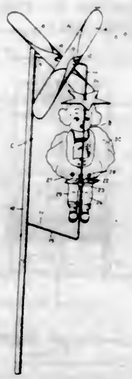


1,586,640. METALLIC SPOOL AND METHOD OF MAKING THE SAME. KNUTE G. ANDERSON, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a Corporation of Illinois. Filed Mar. 9, 1925. Serial No. 13,969. 4 Claims. (Cl. 242—123.)



1. A metallic spool comprising a tubular body having an annular bead near but spaced a short distance from one end, and a head secured upon said end of the tubular body, said end portion of the body being bent to form with said bead an outwardly opening groove, and the head providing an inwardly projecting bead interengaging with said groove in the body and a curl passing around the bent end of the body.

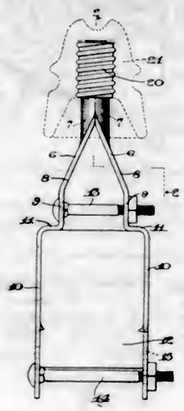
1,586,641. WIND-PROPELLED TOY. ISAAC APPELMAN, Brooklyn, N. Y., assignor to Premier Specialty Co., Brooklyn, N. Y., a Corporation of New York. Filed July 15, 1925. Serial No. 43,729. 6 Claims. (Cl. 46—40.)



1. A wind wheel toy comprising a support including a shaft, a wind-propelled wheel mounted to revolve on said shaft, a second shaft arranged at an angle to said

first shaft, a toy figure mounted to revolve on said second shaft and means attached to said toy figure and lying in the path of revolution of said wind wheel adapted to be intermittently struck by the latter in its revolution for revolving the toy figure.

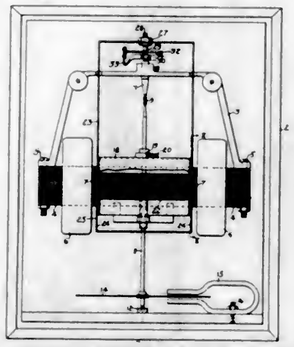
1,586,642. INSULATOR PIN. JOHN P. ARNDT, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 31, 1920. Serial No. 434,309. 4 Claims. (Cl. 173—321.)



1. An insulator pin, comprising a pair of supporting members adapted to be secured to opposite sides of a cross-arm and having semi-cylindrical recessed ends registering together to form a cylindrical head, an exteriorly-threaded tubular insulator-receiving thimble fitting over said registering ends for retaining them together, and means secured within said recessed ends for locking said thimble on said ends against relative movement.

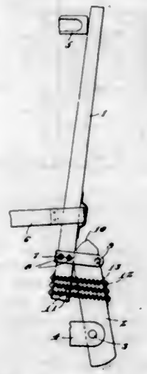
3. An insulator pin, comprising a pair of supporting members, means clamping said members to opposite sides of a cross arm, said members having registering ends forming a cylindrical head, an exteriorly threaded thimble fitting over said head, a pair of plates having projections disposed in slots in said members and having tongues passing through a slot in the end of the thimble and bent in opposite directions to secure said thimble to said members.

1,586,643. AMPERE-HOUR METER. GEORGE F. BASON, Ithaca, N. Y. Filed Nov. 28, 1923. Serial No. 677,563. 8 Claims. (Cl. 171—264.)



3. An alternating-current integrating meter comprising a rotatable member having a fixed axis of rotation and means for rotating the same including movable means tending to cause the member to rotate substantially in direct proportion to the current of a circuit.

1,586,644. PICKER STICK FOR LOOMS. JOHN T. BATTING, Plymouth, Mass. Filed Feb. 1, 1924. Serial No. 689,891. 8 Claims. (Cl. 139—157.)



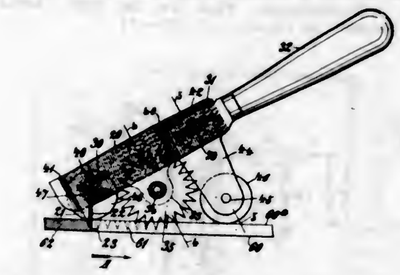
1. A picker stick comprising overlapping sections and means for holding the sections in overlapping relationship, said means including a spring attached to said sections and arranged to permit the sections to swing relatively to each other when the normal movement of the stick is obstructed.

1,586,645. METHOD OF AND MEANS FOR TREATING ANIMAL TISSUE TO COAGULATE THE SAME. WILLIAM BIERMAN, New York, N. Y. Filed July 6, 1925. Serial No. 41,603. 3 Claims. (Cl. 174—S9.)

1. The method of separating diseased animal tissue from the healthy tissue, which consists in applying active electrodes to the region where the diseased tissue joins the healthy tissue, and passing through the electrodes and intervening tissue, an electric current of high frequency, high voltage and low amperage; whereby coagulation will be produced in the tissue and the removal of the diseased tissue permitted.

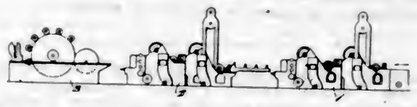
1,586,646. CARDBOARD-BOX KNIFE. FREDERICK L. BLEVIN, Jersey City, N. J., and ANDREW D. FERGUSON, Brooklyn, N. Y. Filed July 18, 1924. Serial No. 726,766. 5 Claims. (Cl. 164—84.)

1. In a knife of the character described the combination of a knife blade to cut a material operated upon and a perforating wheel coacting with the knife blade to insert a line of perforations in said material and



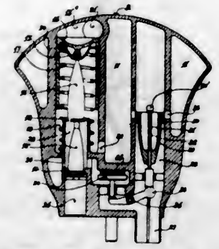
means to simultaneously vary the depth of the cut made with the knife blade and the depth of the perforations made with the perforating wheel.

1,586,647. METHOD OF SOFTENING, SPINNING, AND TWISTING ARTIFICIAL SILK. ROBERT C. BOGER, Philadelphia, Pa. Filed Sept. 23, 1925. Serial No. 58,047. 3 Claims. (Cl. 19—65.)



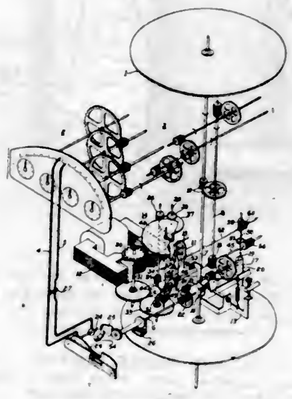
1. The method of preparing yarn for spinning from artificial silk or artificial silk waste which consists in taking such silk in proper lengths for spinning purposes and mixing therewith shorter lengths of cotton material and thereafter successively presenting said silk and cotton material to a lapper machine, a carding machine, a sliver lapper, a ribbon lapper and a combing machine, the latter machine functioning to comb out said cotton material.

1,586,648. AUTOMATIC ALTIMETRIC CORRECTING APPARATUS FOR CARBURETORS OF AIRCRAFT ENGINES. ANTONIN BOULADE, Lyon, France. Filed Dec. 26, 1924, Serial No. 758,306, and in France Dec. 26, 1923. 8 Claims. (Cl. 123—75.)



8. An altimetric correcting device, comprising a pressure chamber; means for constantly maintaining a predetermined pressure therein; a cylinder communicating at its upper end with said chamber; a piston movable in said cylinder and subjected at its upper part to the constant pressure prevailing in the pressure chamber; a spring in said cylinder tending to raise the piston and adapted to be compressed by the same when the exterior pressure at the base of the piston decreases; and a valve controlled directly by the displacement of the piston and adapted to be returned to its closed position as the pressure increases.

1,586,649. ELECTRICAL MEASURING INSTRUMENT. JAMES E. BRIDGES, Alameda, Calif. Filed May 15, 1924. Serial No. 713,436. 5 Claims. (Cl. 171—34.)



1. The combination with a meter element, an indicating member actuated thereby and resetting means including a driving member, an operating member for disconnecting said indicating member from said element, a member driven by said driving member for actuating said operating member, and means including a member driven by said driving member to cause said first driven member to actuate said operating member at the ends of predetermined regular time periods, of means comprising a member driven by the driving member for periodically disconnecting said indicating member from the meter element for predetermined time intervals.

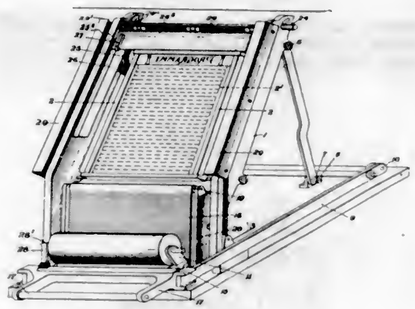
1,586,650. ELECTRICAL SWITCH. ARTHUR J. BRIGGS, Syracuse, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 20, 1922. Serial No. 562,421. 17 Claims. (Cl. 200—60.)

1. An electrical switch comprising a reciprocable member having an opening therethrough, a resiliently mounted contact depressible through said opening in one position of said member to engage a conductor, said member being movable to other positions to prevent depression of the contact and to hold the contact continuously depressed.

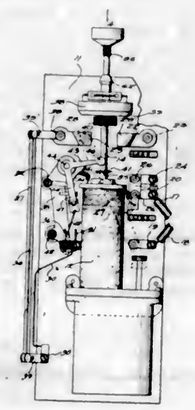
1,586,651. PRINTING PRESS. CHARLES ASHTON HENRY BULLOCK, London, England. Filed July 18, 1921, Serial No. 485,569, and in Great Britain Sept. 16, 1920. 6 Claims. (Cl. 101—269.)

1. The combination in a foldable printing press having a base, of a hinged foldable frame and means for holding said frame in operative position, a handle-frame

pivoted on the base, an oscillatable frame carried by said handle-frame and an inking roller and pressure roller journaled in the oscillatable frame, an inking device on the foldable frame, and means on said foldable frame for retaining a paper sheet in operative position for said rollers.

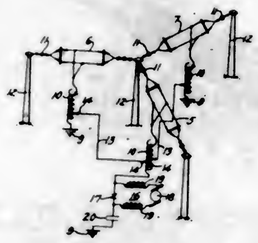


1,586,652. MAKE AND BREAK DEVICE. JAMES H. CANNON, Los Angeles, Calif. Filed June 9, 1924. Serial No. 718,862. 1 Claim. (Cl. 200—97.)



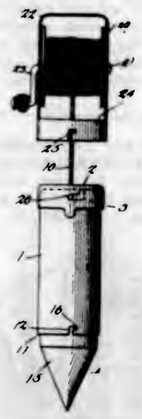
In a quick-opening switch operable by means of a reciprocating rod comprised in an automatic make-and-break device, the combination of; a main casting of conductive material; a projection thereon carrying and in conductive contact with a lever; means for securing a conductive lead to said main casting; a fixed contact spaced from said main casting; a contact element mounted on a conductive arm of said lever and movable relative thereto and in conductive contact therewith; and means resiliently connecting an intermediate point of said arm with an intermediate point of said movable contact element in such manner as to assure a sudden separation of said contact elements upon the reciprocation of said rod, the distal end of said conductive arm being provided with parallel notched walls and said movable contact element being provided with a reduced portion extending between said walls and terminated by shoulders extending into said notches.

1,586,653. WIRELESS TRANSMISSION SYSTEM. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,690. 10 Claims. (Cl. 250—17.)



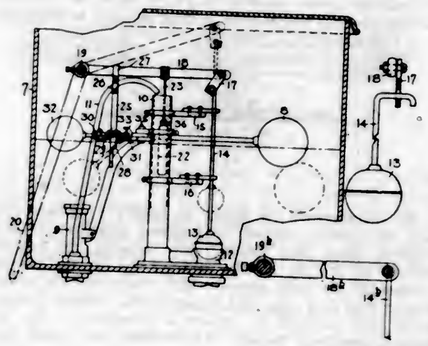
1. In a wireless transmission system, the combination with a plurality of antenna circuits tuned to the same frequency, of a source of oscillations included in one of said circuits, and connections between points having like potentials in the several circuits, whereby all of said circuits are caused to oscillate in unison.

1,586,654. COMBINED CHALK LINE AND PLUMB BOB. ELISHA ASBURY CONWAY, Williamsport, Pa. Filed Dec. 30, 1924. Serial No. 758,889. 2 Claims. (Cl. 33—87.)



1. In a device of the class described, a chalk container closed at both ends, a chalk line passing through said ends and through the container, an excess chalk remover mounted at one end of said container and made in the form of a cylinder having balls disposed therein, said line passing through said cylinder in contact with said balls whereby the excess chalk is wiped from the line during its passage through the wiper, said ball container having apertures for the discharge of chalk collected from the line.

1,586,655. CLOSET-VALVE STRUCTURE. JOHN W. COOK, Avalon, Pa. Filed Apr. 13, 1925. Serial No. 22,854. 5 Claims. (Cl. 4—53.)



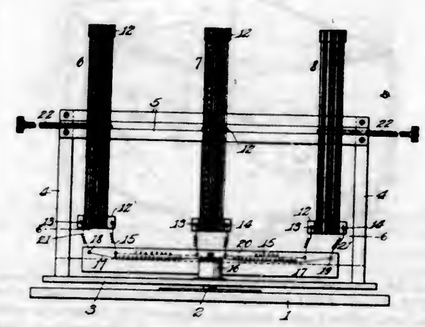
1. Valve structure comprising a vertically movable flushing valve, a stem therefor, a vertical guide for said stem, a lifting lever and a link connection between said lever and a point on said stem eccentric to the longitudinal axis thereof.

1,586,656. CLIP. FRANK W. COREY, Mobridge, S. Dak. Filed July 23, 1925. Serial No. 45,642. 1 Claim. (Cl. 24—259.)

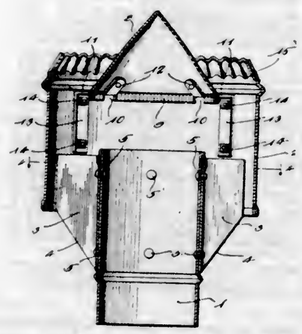
As a new article of manufacture, a resilient clip for holding up a rolled portion of a leg of trousers comprising a materially long split cylindrical back, the free longitudinal margins of said back being continued by plates one overlying the other, elongated overlying arms extending from the central portions of the plates, and jaws carried by the outer ends of the arms, said jaws being of a width materially greater than the width of the arms, said arms being positioned substantially central of the jaws, one of said jaws being provided with a slot and the other with a flange disposed toward said slot, said plates, arms and jaws constantly urging one toward the other.

1,586,657. INDUCTIVE LOOP ANTENNA. SOLOMON DAVIDSE, Wheeling, W. Va. Filed May 17, 1923. Serial No. 639,571. 5 Claims. (Cl. 250—33.)

1. An antennæ including a main frame of substantially U-form, a pair of upper and a pair of spaced lower horizontal bars connected at their ends to opposite sides of the uprights of the frame, a series of antenna having cruci-form frames with one of their arms horizontal and received in the space between the pairs of bars and held in position thereby, and screws threaded through the uprights and engaged with the horizontal arms of the adjacent antenna frames to horizontally adjust the latter.

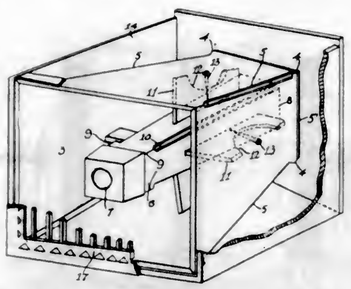


1,586,658. SUCTION VENTILATOR. IRWIN DAVIS, Kirksville, Mo. Filed May 21, 1925. Serial No. 31,907. 1 Claim. (Cl. 98—4.)



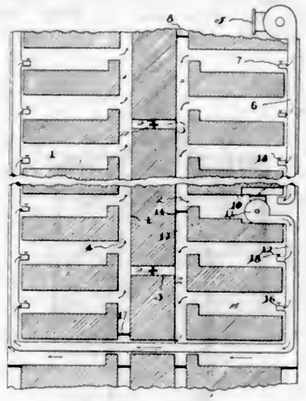
A ventilator comprising a foul air discharge pipe, a continuous wall spaced outwardly from and concentric with said pipe, said wall extending substantially equal distances above and below the upper end of said pipe and having an inwardly upwardly inclined upper end, a substantially conical shaped cap spaced above the upper end of the pipe and having a depending annular flange at its lower end, the base of said cap being of greater diameter than the pipe, a series of circumferentially spaced brackets connecting the lower end of said cap and adjacent portions of the wall, a set of vanes extending vertically between and rigidly connecting the pipe and wall, said vanes being substantially V-shaped in cross section and having their intermediate portions secured to the pipe and oppositely extending flanges attached to said wall, and portions of said vanes being extended below the wall to deflect air currents upwardly between the discharge pipe and said continuous wall.

1,586,659. SOUND-AMPLIFYING MEANS. JOHN E. DAVIS, Brooklyn, N. Y. Filed Aug. 26, 1925. Serial No. 52,481. 9 Claims. (Cl. 181—27.)



1. In a sound amplifier, a resonance chamber of truncated conical form comprising panels secured together at the longitudinal edge portions adjacent the ends only with the longitudinal edge portions cut away intermediate said securing portions for the purpose specified.

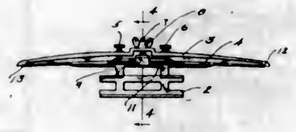
1,586,660. MINE-VENTILATING SYSTEM. ROWAN THOMPSON FIFE DODDS, Welland, Ontario, Canada. Filed Sept. 6, 1924. Serial No. 736,325. 3 Claims. (Cl. 98—28.)



1. In a mine or the like having a plurality of chambers arranged in a series and having a common exit passage, an air pipe; branches from the air pipe leading to the different chambers at points remote from the communications with the exit passage; means for forcing air under pressure into the air pipe to flow in parallel through said chambers to the exit passage; means for controlling flow at one end of said passage; and means for venting said passage intermediate of its ends.

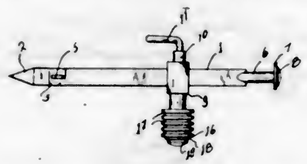
1,586,661. ROUGH AND SLICK JOINTER FOR FILING SAWS. ARCHIE F. DOUGAN, Cochran, Oreg., assignor of forty-nine one-hundredths to Peter Hansen, Cochran, Oreg. Filed Feb. 16, 1925. Serial No. 9,616. 1 Claim. (Cl. 76—47.)

A rough and slick jointer for filing saws, comprising a frame structure consisting of a side and back member, a flexible file holding member maintained within the frame and parallel to the back member, said file holding member having its outer ends contacting with the outer ends of the back member, there being a space between and central of said back and file holding members to allow for movement of the file holding member to and from the back member, means for maintaining a file within the file holding member, said means comprising a bracket having projecting lugs; a screw secured to said bracket, passed centrally through the back member and, by means of a thumb screw, adapted to create sufficient pressure between the lugs and the file holding member, to maintain



a file therebetween; a means to impart a curvature to said file holding member, said means consisting of said bracket, screw and thumb screw pressing the central portion of the file holding member toward the central portion of the back member; and two adjusting screws placed one each side and adjacent the central bracket screw and adapted to impart a pressure on the file holding member, thereby maintaining the frame and file holding member as a rigid unit.

1,586,662. SPRING UNDERCUTTER. ARCHIE F. DOUGAN, Cochran, Oreg. Filed Apr. 23, 1925. Serial No. 25,389. 2 Claims. (Cl. 143—163.)

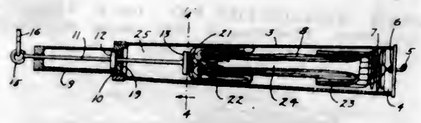


1. A spring undercutter comprising a body member made of spring material, log engaging points disposed at one end of the body member adapted to being driven into a log, a slide having an elongated opening therein maintained in irremovable relationship upon the body member, means to locate the slide in a fixed position upon the body member comprising a threaded handle member screwed into a shoulder portion of the slide and forming a set screw, a bearing upon the slide member and spaced apart from the central body portion thereof, and a grooved wheel journaled upon the bearing portion of the slide and maintained thereupon by peening the end portion of the slide.

1,586,663. PROCESS AND DEVICE FOR PRODUCING PERMANENT WAVES IN THE HAIR. RUDOLF EICHENBERGER, Zurich, Switzerland. Filed Dec. 11, 1925, Serial No. 74,873, and in Switzerland Dec. 12, 1924. 3 Claims. (Cl. 132—33.)

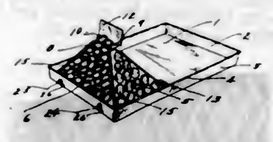
3. A device for producing permanent waves in the hair, comprising a thin smooth winding stick, means to electrically and internally heat said winding stick, a first layer of a hygroscopic and heat insulating material covering said winding stick, a second layer of a material that is impervious to moisture covering a strand of hair wound cross-wise upon said first-layer, and a third layer of a metal foil covering said second layer.

1,586,664. PARACHUTE APPARATUS. JOSEPH H. ELLINGSWORTH, East Moline, Ill. Filed Feb. 20, 1925. Serial No. 10,485. 6 Claims. (Cl. 244—21.)



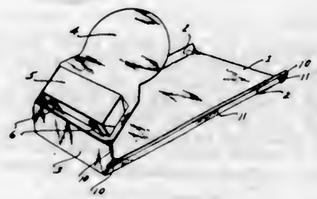
1. In a parachute apparatus, a cylindrical casing swingingly attached at one of its ends to the body of an air-ship, and releasably connected therewith at its other end, and adapted for the storage of a parachute; and means for producing a suction in the inner end of said casing, to retard the movement of a parachute from such casing near said inner end.

1,586,665. DISPLAY TRAY. ERTON T. FOLTS, Creswell, Oreg. Filed May 4, 1925. Serial No. 27,775. 6 Claims. (Cl. 211—28.)



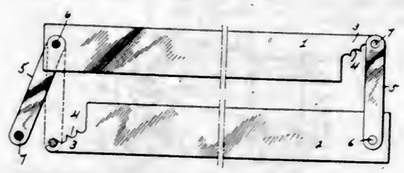
1. A display tray comprising, a tray container, a display device adapted to the tray by having slits formed on the bottom of the tray, through which feet disposed upon the bottom edge of the display device enter in locking engagement, a rearward inclined face formed by the display device, and curved edges formed upon the terminal edges of the display device adapted to maintain faced articles in position placed thereupon.

1,586,666. DISPLAY TRAY FOR BAR OR PACKAGE CONFECTIONS. ERTON T. FOLTS, Creswell, Oreg. Filed June 16, 1925. Serial No. 37,484. 2 Claims. (Cl. 211—28.)



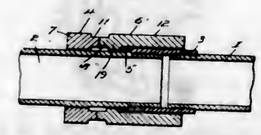
1. A display tray for package confection, comprising an open ended body portion, having outwardly inclined, reinforced side walls and a substantially vertical end wall extending to a height substantially above the side walls and terminating in an inclined surface substantially larger than that of the package to be displayed and means disposed upon the inclined surface adapted to maintain the package to be displayed thereupon.

1,586,667. CUFF-STRETCHING DEVICE. ALBERT A. FOURNIER, Ottawa, Ontario, Canada. Filed May 13, 1925. Serial No. 30,018. 5 Claims. (Cl. 223—19.)



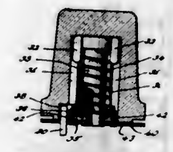
1. Means for flattening and stretching a tubular cuff, the same embodying means insertable through the end of a cuff; a provision oppositely disposed at opposite ends of said means for actuating said insertable means to exert outward pressure against opposite edges of the cuff from the inside thereof, and to hold the cuff in flattened condition, said provision embodying means rigid on one of said insertable means.

1,586,668. LEAK-STOPPING DEVICE. WALTER JAMES GARNER, Petrolia, Tex. Filed July 7, 1925. Serial No. 42,064. 3 Claims. (Cl. 285—152.)



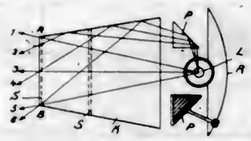
1. In combination, a pipe embodying a pair of sections, and a coupling connecting said sections together, a compressible gasket placed against one end of the coupling, an abutment on one section of the pipe adjacent the gasket and spaced therefrom, relatively rotatable means interposed between the gasket and abutment, and cam coacting means between the rotatable means and abutment, whereby the gasket will be compressed when said means is rotated.

1,586,669. ELECTRIC SWITCH. FREDERIC P. GATES, West Hartford, Conn., assignor to The Hart Manufacturing Company, Hartford, Conn., a Corporation of New Jersey. Filed Apr. 22, 1922. Serial No. 555,997. 6 Claims. (Cl. 200—172.)



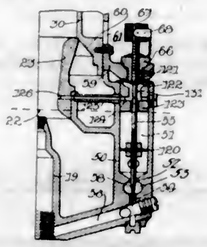
1. In combination with a rotary switch spindle, a handle member constituting a pointer and having a plurality of means for securing it to various angular positions against rotation on the spindle, and means for selectively rendering all but one of said first mentioned means ineffective.

1,586,670. QUARTZ LAMP FOR MEDICAL PURPOSES. FRITZ GIRARD, Hanau-on-the-Main, Germany. Filed Aug. 24, 1921, Serial No. 494,982, and in Germany July 24, 1916. 9 Claims. (Cl. 250—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



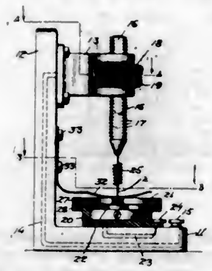
1. Therapeutical device comprising in combination, a mercury vapor lamp, a pair of totally reflecting prisms disposed close to and in parallel to said lamp and a conical reflector in front of said lamp and said prisms.

1,586,671. CARBURETOR. CHARLES J. GUSTAFSON and FRANK C. MOCK, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 12, 1917. Serial No. 201,447. 6 Claims. (Cl. 261—35.)



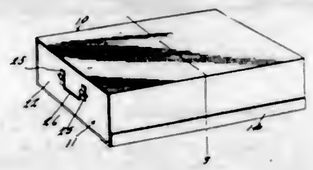
1. In a carburetor, the combination of a carbureting chamber having an air inlet and a mixture outlet, an air valve responsive to suction in said carbureting chamber, a constant level fuel supply chamber, fuel supply means comprising a well fed from said constant level supply chamber, a fuel port communicating with the upper part of said well above said constant level and opening into said carbureting chamber, an air vent connected with and establishing a path of air flow through said fuel port for normally preventing the creation of a fuel feeding suction in said well, and a fuel raising piston in said well adapted to be operated by the opening of said air valve for mechanically moving fuel up to a level where it will be drawn into said fuel port.

1,586,672. CRYSTAL DETECTOR. EDWIN L. HACKETT, Wyoming, N. J., assignor to M. H. Avram & Company, Inc., a Corporation of Maryland. Filed Sept. 5, 1922. Serial No. 586,176. 8 Claims. (Cl. 250—31.)



1. In a cystal detector the combination, with a crystal and a whisker engaging the same, of mechanism engaging said whisker at a point in immediate proximity to the crystal, said mechanism while thus engaging said whisker being normally stationary but movable by the operator for the purpose of shifting the whisker relatively to the crystal.

1,586,673. STORAGE FILE BOX. LEE H. HAIGH, Detroit, Mich. Filed June 5, 1925. Serial No. 35,189. 2 Claims. (Cl. 129—43.)



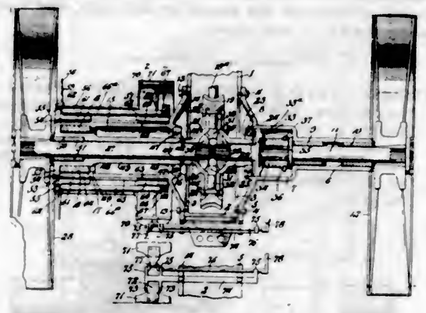
1. A storage file comprising a collapsible shell of rectangular formation, and a collapsible drawer telescopically engaged within the shell and having its ends flush with the ends thereof, the drawer being formed with a cover hinged at its forward end and detachably connected at its other end.

1,586,674. PROCESS OF MANUFACTURING STABLE PAVEMENTS. EMIL HÄRTEL, Coswig, Germany. Filed July 26, 1922, Serial No. 577,706, and in Germany Nov. 22, 1921. 2 Claims. (Cl. 94—20.)

1. A pavement for stable-floors herein described, and consisting of individual slabs or plates which constitute a perfect union of two layers viz, of a lower one consisting of a mixture of cork and cementing media and an upper one containing fine cork powder, sawdust, chips of wood, and slag, and, as cementing medium, a mixture of molten mineral and brown coal bitumen or equivalent covering substantially as described.

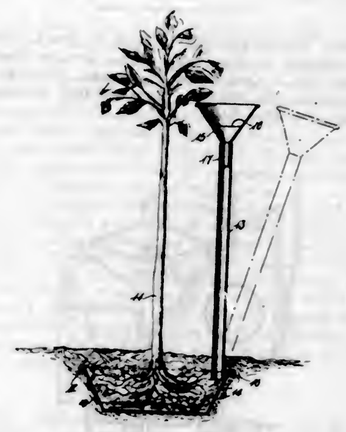
1,586,675. POWER-DELIVERING ATTACHMENT FOR MOTOR VEHICLES. LEO HAUBERT, Tulsa, Okla., assignor of one-third to John C. Bennett and one-third to John A. Wolfe, both of Tulsa, Okla. Filed May 7, 1925. Serial No. 28,687. 9 Claims. (Cl. 254—166.)

1. In a power delivering attachment for motor vehicles, the combination of spaced axles carrying tractor wheels, differential gearing connecting said axles, a revoluble winding drum surrounding one of said axles in concentric relation thereto, said axles having housings, one of said housings being directly connected to the differential and extending through the winding drum.



driving means carried by the outer end of the housing for coaction with the drum, and means for connecting the drum to said driving means.

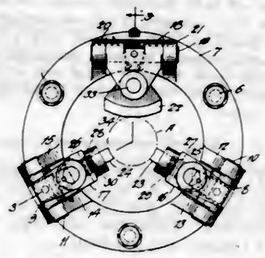
1,586,676. TREE-PLANTING DEVICE. CHARLES HEATH, Morris, Ill. Filed Oct. 26, 1923. Serial No. 670,924. 2 Claims. (Cl. 47—37.)



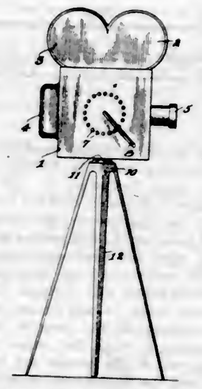
1. A tree-planting device comprising a shallow plant-receptacle having a flaring side wall terminating at its upper end in a laterally directed flange, and a watering device consisting of a tube having a clasp adjacent its lower end for detachable connection with the said flange, said clasp serving as a support for holding the tube in upright position with its lower end bearing on the inside face of the said flaring side wall of the receptacle.

1,586,677. HEAD FOR LATHES. EDMUND F. HEARD, Elizabeth City County, and MAYO M. FITZ HUGH, Newport News, Va., assignors to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed Nov. 13, 1924. Serial No. 749,680. 7 Claims. (Cl. 82—40.)

1. In a machine tool, a combined driving and steadying device comprising a supporting frame, means for rigidly fixing the same to the rotatable head of the machine tool, a plurality of steadying rests thereon adapted to permit rotation of the work with respect thereto, a driving element on said frame adapted to swing laterally with respect to the work and clamp the latter when said work tends to turn with respect to said steadying rests, and means on said frame connected with said rests and gripping member to permit displacement thereof to inactive positions when the work is removed.

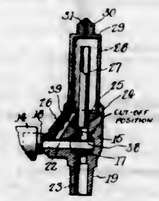


1,586,678. TOY CAMERA. JOSEPH GARRETT HEARD, Jr., Atlanta, Ga. Filed May 11, 1925. Serial No. 29,581. 2 Claims. (Cl. 46—37.)



1. In a toy camera having a main body portion rotatably mounted on a tripod, a holder adapted for guiding purposes, a tubular projection for similating a lens, and means for producing a clicking sound or vibration consisting of a raised surface on one face of the camera, and a crank adapted to produce a clicking sound as it is revolved over the raised surface.

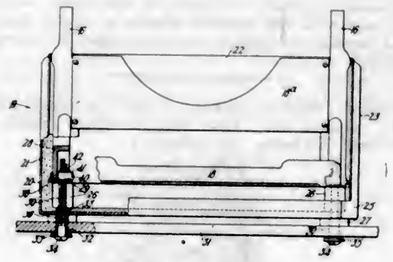
1,586,679. RESERVE-SUPPLY DEVICE FOR GASOLINE TANKS. EDWARD W. KRUSE, Chicago, Ill. Filed Dec. 14, 1925. Serial No. 75,175. 5 Claims. (Cl. 158—46.5.)



1. A reserve supply attachment for oil tanks, comprising a valve housing containing a circular valve seat, high and low flow passages both opening into said valve seat through ports located ninety degrees apart, and a

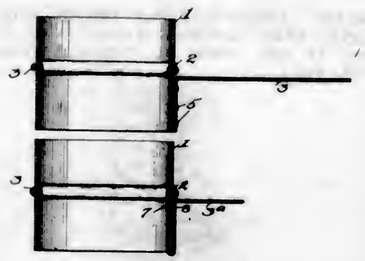
discharge passage from said valve seat, a rotary three-way valve fitted to said seat controlling the flow through said passages and ports and operative in one position thereof to cut off said discharge passage from both said high and low flow passages, a siphon breaker communicating with said high flow passage, and a handle pivoted to one end of said valve to swing in a plane of the axis of said valve whereby either side of said handle may be brought into view from a point opposite one end of said valve.

1,586,680. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 14, 1923. Serial No. 618,891. 3 Claims. (Cl. 45—52.)



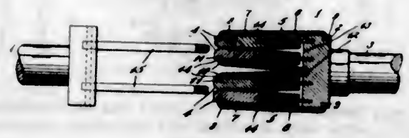
1. In the art of typewriting machines, the combination of a typewriting machine having cushion feet, a sound-deadening pack including a sole or floor upon which said cushion feet stand, cushion feet on the sound-deadening pack, a base-board, the feet on the pack standing on the base-board, and means securing the typewriting machine, pack and base-board together, the means including headed screws passed upwardly through the bottom of the base-board and through the sole and projected above the pack, sound-deadening washers and sleeves on the heads of the screws and between the screws and baseboard, and the edges of the holes in the sole through which the screws are passed not touching the screws, and the upper ends of said screws screwed into the typewriting machine, whereby the machine, pack and base-board are secured together.

1,586,681. TELESCOPE DARNER. GERTRUDE KENNEDY LANG, Waymart, Pa. Filed Dec. 21, 1925. Serial No. 76,835. 3 Claims. (Cl. 223—14.)



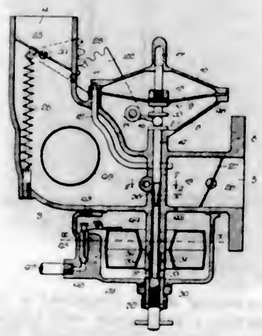
1. In a device of the class described, the combination of an elongated cylindrical body provided with a circumferential groove, a handle provided at its inner end with a right angled extension, said right angled extension being curved throughout its length in cross section to fit snugly against the curved outer face of said cylindrical body, the upper or outer face of said handle registering with said groove, means securing the right angled extension of the handle to said body, and a coil spring seated in said groove.

1,586,682. SWITCH CONTACT MEMBER. WALTER E. MCCOY, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Apr. 23, 1920, Serial No. 375,964. Divided and this application filed Oct. 23, 1920. Serial No. 418,900. 4 Claims. (Cl. 200—166.)



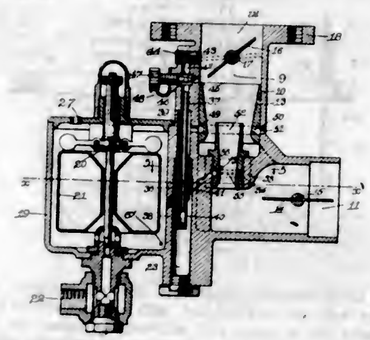
1. A knife-blade switch comprising a base member, a contact member having a recess extending to substantially its central point and a resilient member supporting the contact member on the base member and connected to the contact member at the bottom of the recess.

1,586,683. CARBURETOR. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1917. Serial No. 154,109. Renewed Oct. 29, 1925. 1 Claim. (Cl. 261—50.)



In a carburetor, the combination of a carbureting chamber having a single air inlet at one end, and a mixture outlet at the other end, a throttle valve in said mixture outlet, a butterfly valve in said air inlet, a constant level float controlled fuel chamber, a fuel port opening into said carbureting chamber and communicating with the lower part of said fuel chamber, a fuel regulating valve controlling the discharge from said fuel port, a second continuously open passage extending from said carbureting chamber to the upper part of said fuel chamber for maintaining a vacuum in the upper part of said fuel chamber, a diaphragm responsive to the pressures in said carbureting chamber, a pair of meshing segmental gears connecting said diaphragm with said butterfly valve for controlling the admission of air through said air inlet, and means connecting said diaphragm with said fuel regulating valve.

1,586,684. CARBURETOR. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1916, Serial No. 85,004. Renewed Oct. 29, 1925. 7 Claims. (Cl. 261—72.)

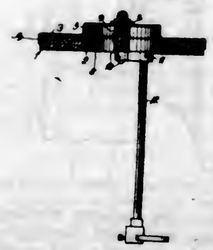


1. In a carburetor, a carbureting chamber having air and fuel-inlets and a mixture-outlet, a throttle in said mixture-outlet, a constant level chamber supplying said fuel-inlet with liquid fuel, a connection between said carbureting chamber and said constant level chamber over the fuel level therein, a valve controlling the admission of air into said constant level chamber and cam mechanism operating with the throttle for operating said valve.

4. In a carburetor, a carbureting chamber having a throttle controlled mixture outlet and air and fuel inlets, a constant level chamber supplying said fuel inlet with liquid fuel, a passageway communicating with the upper area of said constant level chamber for controlling the pressure therein, a tapered valve seat in said passageway, a tapered valve cooperating with said seat, a stem projecting from said valve, and means having operative connection with said stem and responsive to change of throttle position for operating said valve.

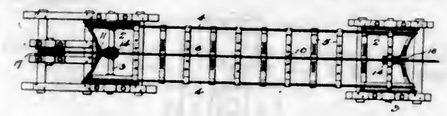
7. In a carburetor, the combination of a carbureting chamber having an air inlet and a mixture outlet, a constant level supply chamber, an accelerating well fed from said supply chamber, said well being divided into two compartments by an intervening partition having a plurality of apertures therethrough at different levels below the normal fuel level, a fuel delivery passage leading from one of said compartments to said carbureting chamber, and means for restrictedly admitting air to the other of said compartments.

1,586,685. GAS-METER VALVE. GEORGE H. MOLDEN, Bridgeport, Conn., assignor to The Sprague Meter Company, Bridgeport, Conn. Filed Aug. 8, 1925. Serial No. 49,069. 3 Claims. (Cl. 251—60.)



2. A non-metallic valve disc for gas meters having a central opening therethrough a crank pin step, a support therefor, said support mounted on the valve disc with the step projecting into the valve opening.

1,586,686. LOGGING CONVEYER. JAMES E. MONGRAIN, Spokane, Wash. Filed Apr. 16, 1924. Serial No. 707,005. 2 Claims. (Cl. 198—203.)

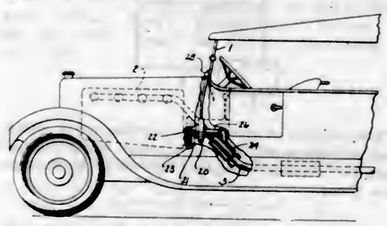


1. The combination with a pair of spaced conveyer cables and a series of hinged carriers fastened thereon, of an intermediate driving cable, gravity actuated gripping devices on the carriers to engage the driving cable, and automatic means for releasing the gripping devices.

1,586,687. PISTON RING. MATHEW M. MORATTA, Princeton, Ind. Filed June 22, 1923, Serial No. 647,069. Renewed Mar. 31, 1926. 3 Claims. (Cl. 74—109.)

2. A piston ring of the class described including a body of curved structure, a pair of diverging fingers extending from one side of the body and curved throughout their length, and a similar pair of fingers extending from the other side of the body, the upper fingers of the two pairs of fingers terminating at a point offset from the point of termination of the lower fingers.

1,586,688. CLEAR-VISION METHOD AND DEVICE FOR MOTOR VEHICLES. JOHN D. MORGAN, Summit, N. J. Filed Sept. 20, 1923. Serial No. 663,876. 2 Claims. (Cl. 20—40.5.)

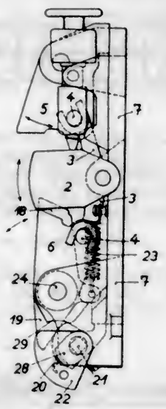


1. Means for preventing the deposition of rain and snow on a motor car windshield, including means for heating clear atmospheric air, means for placing the heated air under pressure, and means for directing a sheet of said air adjacent and substantially parallel to and spaced from the exposed face of said windshield.

1,586,689. ENGINE GOVERNOR. HEINRICH MÜLLER, Bremen, Germany, assignor to Actien-Gesellschaft "Weser," Bremen, Germany, a Corporation of Germany. Filed May 29, 1924, Serial No. 716,760, and in Germany Mar. 13, 1924. 8 Claims. (Cl. 264—1.)

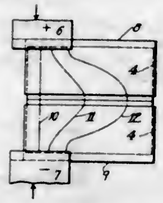
2. A speed governor, adapted for use in connection with internal combustion engines, comprising the combination with a swinging weight, the position of which depends upon the engine speed, fuel supply controlling mechanism, a lever-and-link system connected to said mechanism, and a pair of pawls adapted and arranged to be alternately moved by the swinging of said weight into position to affect said system so as to partially cut off the fuel

supply and to restore said system to normal, respectively, of a third pawl of greater extent adapted and arranged to entirely cut off the fuel supply, an auxiliary swing-



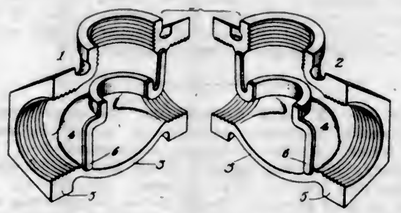
ing weight acting on said third pawl to hold it normally out of operative position, and a spring to move said third pawl into operative position when the engine speed becomes excessive.

1,586,690. WELDING ARTICLES OF VARYING THICKNESS. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Feb. 1, 1923. Serial No. 616,225. 16 Claims. (Cl. 219—10.)



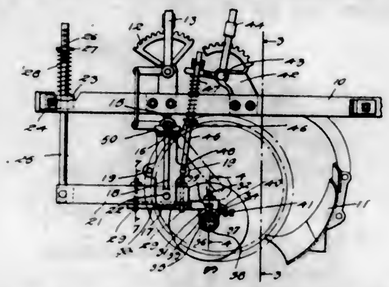
7. The method of electrically welding parts which are thicker at one point than at another which consists in passing the welding current by shorter paths through the thicker point.

1,586,691. WELDING. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Feb. 6, 1923. Serial No. 617,410. 4 Claims. (Cl. 219—10.)



1. The method of welding together parts with edges of different thicknesses at different points which consists in shaping the contact edges with projections at the thicker portions and pressing them together and passing a current to weld them first at the thicker portions and afterward at the thinner portions.

1,586,692. WEEDER ATTACHMENT FOR LISTER PLOWS. ASA ALFRED MURREN, Delia, Kans. Filed Jan. 19, 1926. Serial No. 82,317. 8 Claims. (Cl. 97—237.)

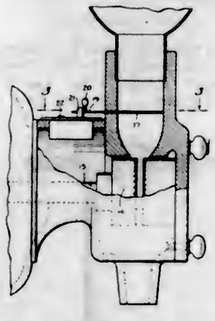


1. In a weeder attachment for agricultural implements and the combination with an implement having a frame and a crank axle rotatably engaging the frame and upon the crank of which the supporting wheel is mounted, of a bearing rotatably engaging the axle and having a depending support, an arm secured adjacent its rear end to the support, a supporting connection between the forward end of the arm and the frame permitting downward and rearward movement of the forward end of the arm, a ground working implement carried by the rear end of the arm, an operating lever carried by the frame and a connection between the operating lever and the depending portion of the bearing for rotating the bearing about the axle in one direction.

1,586,693. BLUE MONOAZO DYESTUFFS FOR WOOL OR SILK. ADOLPHE H. NEY, New York, N. Y., assignor to Theodore Haebler, New York, N. Y. Filed Nov. 13, 1924. Serial No. 749,784. 4 Claims. (Cl. 260—92.)

1. As a new product, the monoazo dyestuff, obtained by coupling in an alkaline solution the diazo compound of 1 : aminodiphenylamin-3 : sulfonic acid with 1 : acetyl-amino-8 : hydroxy-naphthalene-3 : 6 sulfonic acid (acetyl-H-acid).

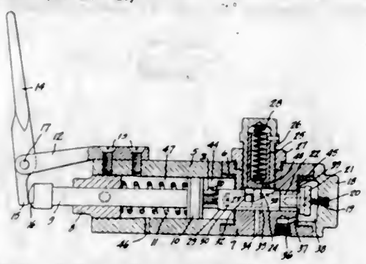
1,586,694. CONTROLLING MECHANISM. ADOLF M. PETERS, New York, N. Y. Filed July 5, 1924. Serial No. 724,236. 8 Claims. (Cl. 83—8.)



8. In a device of the character described, in combination, an operating mechanism comprising comminuting members, means for rendering said comminuting members operative and inoperative comprising electrical control means, feed control means for said members comprising a movable valve, said electrical means being positioned in relation to said valve to permit movement

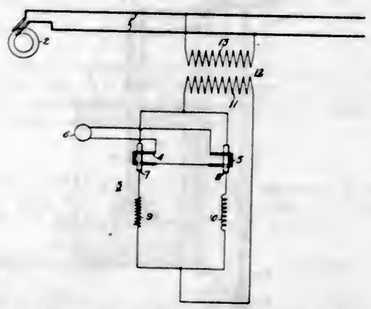
of the valve to the open position only when said members are operative and permit said members to be made inoperative only upon movement of said valve to the closed position.

1,586,695. PRESSURE GAUGE. JOHN D. PETERSEN, Detroit, Mich. Filed Feb. 1, 1926. Serial No. 85,324. 4 Claims. (Cl. 50—8.)



1. In combination, a housing, an air inlet and an air outlet in said housing, a passage connecting the inlet and outlet, a valve seat in the passage, a valve adapted when seated to close the passage and when unseated to open it, a stem on said valve, a slot in the stem, a sleeve enclosing the stem, an opening in said sleeve over said slot, a plunger extended into said opening and slot, one side of said opening being diagonally cut, and means for moving said sleeve as pressure in the passage is built up, to raise said plunger along said diagonal side, and thereby clear the plunger of the groove and permit movement of the valve and valve stem.

1,586,696. ELECTRICAL MEASURING INSTRUMENT. RAYMOND T. PIERCE, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1920. Serial No. 349,264. 4 Claims. (Cl. 172—245.)

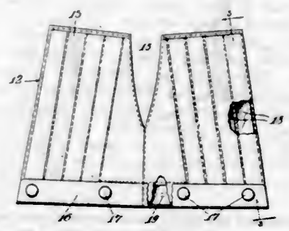


1. In a frequency meter, the combination with two heater elements, two thermo-electric couples and an electro-responsive device, of a reactor connected in series with one heater element and a resistor connected in series with the other heater element across the circuit to be metered.

1,586,697. METHOD FOR PRODUCING PRINTS IN NATURAL COLORS ACCORDING TO MULTICOLOR PHOTOGRAPHY. HANS PILOTY, Munich, Germany, assignor to the Firm of Jos-Pe Farben-Photo Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Filed Mar. 14, 1925, Serial No. 15,633, and in Germany Apr. 5, 1921. 2 Claims. (Cl. 41—41.5.)

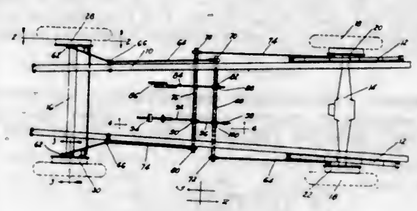
2. A step in the method of producing prints in natural colors in multicolor photography by the aid of gelatine wash reliefs according to the known Koppmann method by the aid of known pigments comprising adding acid to the pigment and also adding colloidal adhesives to the pigment.

1,586,698. ANKLE STAY FOR SHOES. ABRAHAM POSNER, New York, N. Y. Filed Mar. 3, 1924. Serial No. 696,531. 1 Claim. (Cl. 36—71.)



An ankle stay for shoes comprising a pair of strips of material sewn together along their top and side edges, a flap at the bottom edge of one of said strips of material, vertical rows of stitches arranged in spaced parallel relation extending from the top of the stay to a line in spaced relation to the bottom thereof, relatively stiff stiffeners in the pockets between the vertical rows of stitches, a relatively flexible stay between the lower ends of the rows of stitches and the flap, and separable fasteners for holding the flap in closed position, said fasteners being located in such a position as to avoid contact and consequent irritation of the heel of the wearer.

1,586,699. BRAKE-OPERATING CONNECTION. JACOB L. PRICE, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1925. Serial No. 32,285. 16 Claims. (Cl. 188—106.)

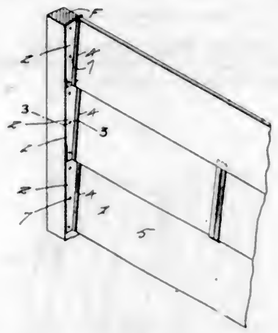


12. A vehicle having, in combination, two braking systems, each including a brake acting on a front wheel and a brake acting on a rear wheel, a service member for operating one of the systems, and an emergency member for operating one system only.

1,586,700. JOINT PROTECTOR FOR BUILDING CONSTRUCTION. GEORGE V. REINHARDT, Highland Mills, N. Y. Filed June 19, 1924. Serial No. 721,089½. 2 Claims. (Cl. 20—5.)

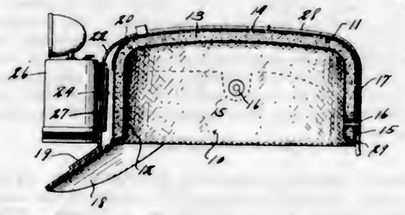
1. A joint protector for weather-boards consisting of a strip of sheet metal folded longitudinally to form a two ply rib to fit between a weather-board and a frame member, one of the sides or portions of the sheet metal

being bent longitudinally perpendicular to the plane of the rib and at an angle or inclination to fit flat against the exterior of an inclined weather-board, and the other



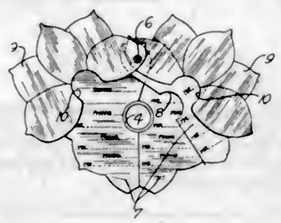
side or portion of the sheet metal being extended outwardly and forming a continuation of the adjacent ply or thickness to provide a tapering attaching flange.

1,586,701. MINER'S CAP. ANDREW REPPA, Barton, Ohio. Filed Dec. 15, 1925. Serial No. 75,558. 1 Claim. (Cl. 2—3.)



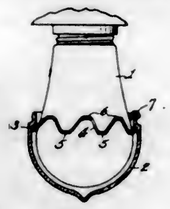
A miner's cap having a crown comprising outer and inner layers of flexible material, a padding of granulated cork disposed between the layers, and a metallic plate covering the upper portion of the crown and riveted thereto, the rivets being annular and extending entirely through the crown to thereby provide ventilating means.

1,586,702. TELEPHONE ADVERTISING NOVELTY. FREDRICKA E. REUTER, Chicago, Ill. Filed June 16, 1924. Serial No. 720,195. 5 Claims. (Cl. 40—10.5.)



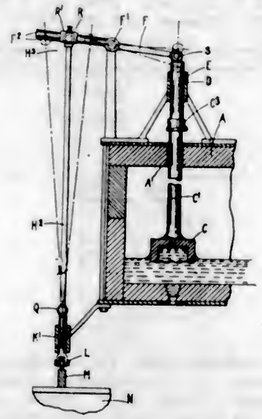
1. A telephone advertising novelty comprising an apertured back plate having a selected contour to represent the shape of a selected flower, a plurality of notched index cards adapted to fit around the telephone mouthpiece and pivotally mounted at a common point on the back plate and having one edge also shaped to conform to the shape of the selected flower, and a pair of notched cover plates pivoted at the common point and shaped to resemble the shape of a flower when the cover plates are closed to permit the notches therein to engage around the telephone mouthpiece with the cover plates concealing the index cards and the back plate.

1,586,703. HOOD HOLDER FOR ELECTRIC LAMPS. HENRY RITHNER, Wellsburg, W. Va. Filed Nov. 20, 1924. Serial No. 751,140. 3 Claims. (Cl. 240—138.)



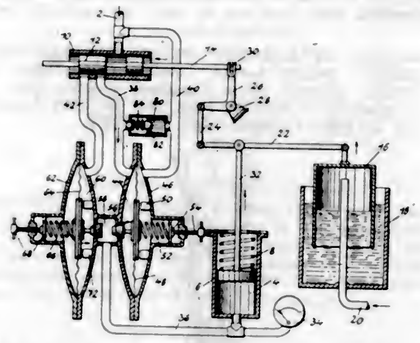
1. A hood retainer for electric lamps, comprising, in combination with a hood having an internal annular rib forming a shoulder, a resilient wire ring adapted to be sprung into and out of expanded seating relation to the hood walls inward of said shoulder, said ring being shaped to form alternate inwardly and outwardly extending inclined fingers, of which the inwardly extending fingers yieldingly engage the hood and the outwardly extending fingers are adapted yieldingly to engage a lamp enclosed by said hood.

1,586,704. APPARATUS FOR CONTROLLING THE DELIVERY OF GLASS FROM FURNACES TO MOLDS AND THE LIKE. JAMES DENNIS ROOTS, London, England. Filed Sept. 25, 1920. Serial No. 412,747. 3 Claims. (Cl. 49—55.)



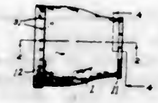
1. An apparatus of the character described including a receptacle for containing molten glass, said receptacle having a discharge opening therein, a plunger mounted to reciprocate relative to the receptacle and for controlling the discharge of glass through the opening, said plunger including a hollow stem and an enlarged recessed head, the hollow stem allowing the exhaust of air from the head whereby glass may be received in the recess of the head at all times, and means for raising and lowering the plunger, said plunger when being raised creating a vacuum to raise the glass and cut off discharge thereof through the opening and when being lowered discharging the glass through the opening.

1,586,705. FLUID-FLOW-CONTROL SYSTEM. ERICH ROUČKA, Blansko, Czechoslovakia. Filed July 17, 1922, Serial No. 575,752, and in Czechoslovakia Oct. 18, 1921. 10 Claims. (Cl. 137—78.)



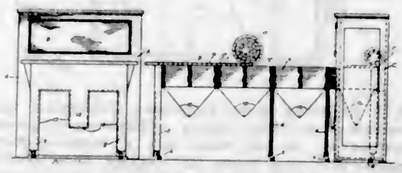
1. A system of the character described, comprising a conduit for conducting fluid in a plurality of directions, a governor means for controlling flow of fluid in said plurality of directions, and a plurality of fluid flow resistance means controlled by fluid pressure flowing in said conduit to reduce and maintain a certain difference in pressure on said governor means caused by variations in the flow of fluid through the governor means in all of said directions.

1,586,706. NOZZLE CONNECTION FOR LARGE-SIZED SUCTION HOSE. TITUS RUSSELL, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich. Filed Aug. 24, 1925. Serial No. 52,177. 6 Claims. (Cl. 285—90.)



6. A nozzle comprising an outer fabric shell, a main supporting ring, and longitudinal springs secured to the ring and retained with their free ends secured within the fabric casing, coacting as specified.

1,586,707. DISAPPEARING TABLE. GEORGE M. MCLEAN, Salt Lake City, Utah. Filed May 14, 1923. Serial No. 638,719. 2 Claims. (Cl. 45—51.)

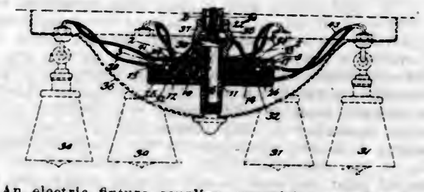


1. A disappearing table comprising a case having an opening in one side face; a collapsible table frame with supporting legs thereon adapted to be operated through said opening; said frame consisting of three coacting strings of hingedly connected leaves, the outer two of which are movable on horizontal planes, and the medial string of said leaves movable on vertical planes; and a top for said frame adapted to be rolled up when said frame is collapsed and carried in said case, and to be unrolled as a table top when the table frame is drawn partially or entirely from said case.

1,586,708. METALLIC SCREEN FRAME. ALFRED W. SANDELIN, Minneapolis, Minn. Filed May 27, 1925. Serial No. 33,160. 4 Claims. (Cl. 156—14.)

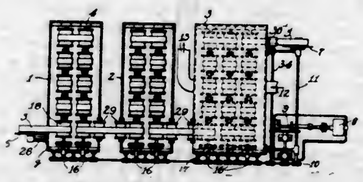
1. A metallic screen frame having a displaceable screen-attaching molding, said frame and molding having at their inner edges co-operating inturned oblique flanges, a screen having its marginal edge portion inserted between the frame and molding and clamped between the outer edge portions thereof and drawn over the frame, the oblique inturned flange of the molding being in engagement with the screen, holding the molding spaced outward of the screen on the frame and pressing the screen inward against the oblique flange of the frame and placing the same under tension by offsetting its body portion inward in respect to the frame, and fastening means for securing the molding to the frame.

1,586,709. ELECTRIC-FIXTURE COUPLING. ABRAHAM I. SCHWINGER, Philadelphia, Pa., assignor of one-half to Ellis J. Janowitz, Buffalo, N. Y. Filed July 8, 1922. Serial No. 573,693. 1 Claim. (Cl. 173—338.)



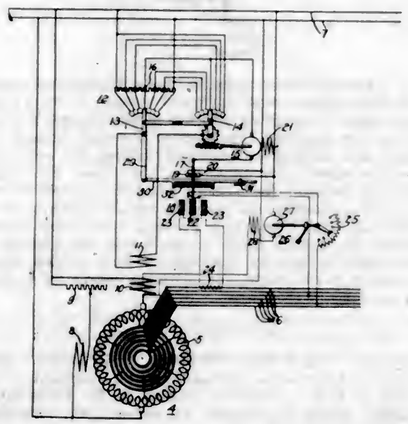
An electric fixture coupling comprising a body of insulating material provided on one side with concentric grooves and radial notches extending from said grooves to the periphery of the body and adapted to receive electric wires, curved metal coupling plates arranged in said grooves, means for connecting the wires to said plates, a metal bushing anchored in said body and having an internal screw thread adapted to receive an externally threaded conduit, a hickey secured to one end of said conduit, and an insulating cover arranged over said grooves and notches and engaging underneath the inner end of said hickey.

1,586,710. FILM TREATING AND HANDLING DEVICE. RAY W. SCOTT, Los Angeles, Calif., assignor to Radio Lab. & Mfg. Co., a Common Law Trust Association of California. Filed Nov. 20, 1923. Serial No. 675,806. 10 Claims. (Cl. 271—2.3.)



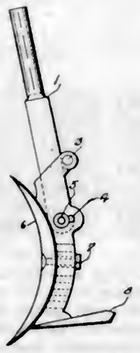
1. A film treating organization, comprising: primary means for advancing a film in the form of loops; bodily movable separate guide spools, engaging said film in advance of said primary means and about which said loops depend; and independent means for imparting compensatory acceleration to one or more of said spools in case of a variation in the length of a loop.

1,586,711. RELAY SYSTEM FOR CONTROLLING INTERPOLE EXCITATION OF ROTARY CONVERTERS. ERROL B. SHAND, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 16, 1922. Serial No. 594,735. 6 Claims. (Cl. 171—123.)



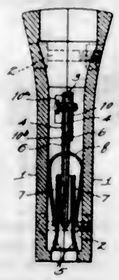
1. In combination with a controlling apparatus and a controlled circuit, an electric balance device comprising a movable contact arm and electro-dynamic means for producing a force tending to move said contact arm in either direction in response to the condition of said controlling apparatus, a pair of contact-making elements on opposite sides of said contact arm, separate power means controlled by said contact-making elements for making a desired adjustment in the conditions obtaining in the controlled circuit, spring means having its central point connected to said movable contact arm for bringing back said contact arm to normal neutral position relative to said contact-making elements, and a mechanical connection driven by said separate power means for changing the relative positions of the central point of the spring means and the neutral axis between said contact-making elements, whereby said contact-arm is brought to neutral out-of-contact position whenever the movement of said separate power means has adjusted said controlled circuit an amount corresponding to the force produced by the electrodynamic means at any instant.

1,586,712. HARROW CONSTRUCTION. PHILIP SIMONS, Pewamo, Mich. Filed Jan. 9, 1925. Serial No. 1,382. 3 Claims. (Cl. 55—97.)



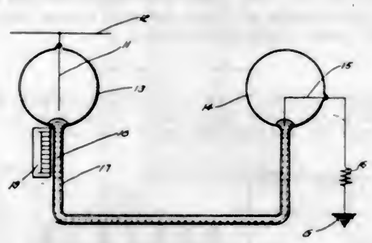
1. In harrow tooth construction, a supporting arm having the lower end formed for the reception of a weed cutting plate, a lug formed with a narrow neck and a broad cap, a weed cutting plate having a slot therethrough, said slot being wide at the back end and narrow at the front end and in condition to pass the lug through the back end and wedge it firmly in the front end to hold the plate securely upon the end of the supporting arm.

1,586,713. ATTACHMENT PLUG FOR ELECTRIC IRONS. ERNEST SJOLIN, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1921. Serial No. 488,515. 3 Claims. (Cl. 173—332.)



1. A spring socket device for the purpose indicated, comprising two facing half-socket members, each consisting integrally of a cylindrical segment flanked by two flat spring arms, which are both in the same plane, the segment being severed from the arms longitudinally from a point at a relatively short distance from the open end of the socket, and the flat arms being rigidly united at a point beyond the opposite end of the socket, whereby the resiliency of the flat arms for a length substantially that of the socket is obtained independently of any resiliency of the segments which form the socket proper.

1,586,714. CREST VOLTMETER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1920. Serial No. 430,561. 10 Claims. (Cl. 171—308.)

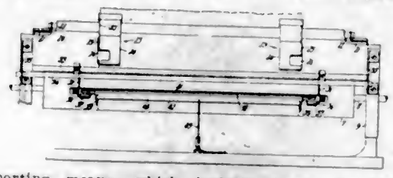


3. A measuring device comprising co-operating spaced terminals of a circuit having a difference of potential therebetween, one of which has a variable effective terminal area, and means for breaking down space-current discharge between the terminals including means for automatically varying said area in response to voltage changes between the terminals.

1,586,715. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 20, 1923. Serial No. 626,282. 8 Claims. (Cl. 197—127.)

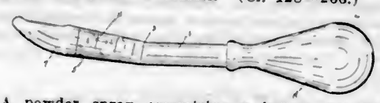
1. In a typewriting machine, in combination, a revoluble platen, feeding means to feed a continuous work-sheet which may bear a plurality of similar printed

forms separated by lines of detachment, underneath and around said platen, adjustable gaging means to gage said work-sheet laterally on the entry side of said platen, said gaging means comprising right and left paper-gages having upturned outer side edges with retaining ears to retain the edges of said work-sheet, adjustable



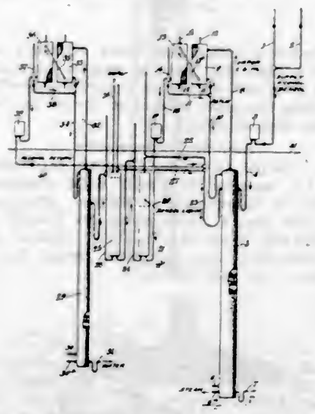
supporting means, which includes lateral work-sheet guides, to support said work-sheet on the delivery side of said platen, movable guiding means to guide said work-sheet over said supporting means, and a combined gaging and severing means mounted on said supporting means to gage said work-sheet longitudinally.

1,586,716. SURGICAL INSTRUMENT. SAMUEL P. SNOW, Jr., Salt Lake City, Utah. Filed Apr. 6, 1925. Serial No. 20,970. 3 Claims. (Cl. 128—266.)



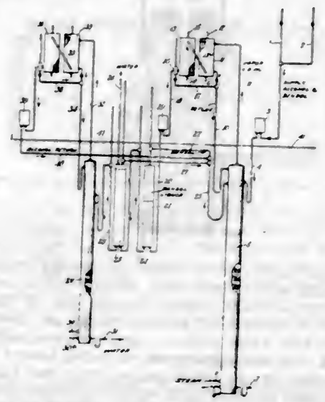
1. A powder spray comprising a hollow transparent tube having graduations on one end thereof; a detachable member on the graduated end portion; and a rubber bulb on the other end of said tube, adapted to force puffs of air through said tube and detachable member to scatter a powdered medicant as directed by said detachable member.

1,586,717. PROCESS OF OBTAINING ABSOLUTE ALCOHOL. JOHN A. STEFFENS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 5, 1921. Serial No. 458,833. 23 Claims. (Cl. 195—15.)



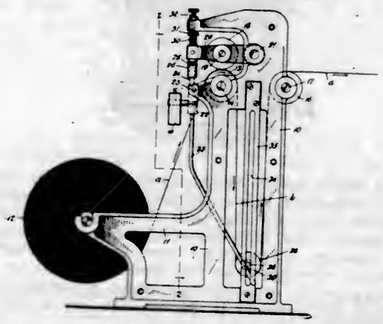
1. The process of obtaining absolute alcohol which comprises distilling in a column a mixture of an alcohol, water, and a third liquid miscible with the alcohol but substantially immiscible with water, to form a constant boiling mixture and to obtain absolute alcohol at the bottom of said column, condensing a part of the evolved vapors and returning it to the top of the column, and separating the constitutents of the remainder of the said vapors.

1,586,718. APPARATUS FOR OBTAINING ABSOLUTE ALCOHOL. JOHN A. STEFFENS, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 5, 1921. Serial No. 458,834. 9 Claims. (Cl. 195—11.)



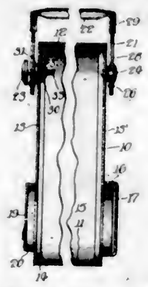
1. An apparatus comprising a rectifier, a condenser connected thereto, a separating chamber connected to the condenser and a scrubber connected to the separating chamber.

1,586,719. COMPENSATING OR REGULATING DEVICE FOR PAPER WEBS. JAY G. SWAN, Brooklyn, N. Y., assignor, by mesne assignments, to Continental Paper & Bag Mills Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1922. Serial No. 584,213. 5 Claims. (Cl. 271—2.3.)



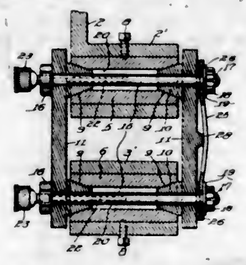
1. A tension device comprising a frame, an idler roller, a feed roller on said frame over which a web of material travels and from which it depends in a bight, said feed roller feeding said web into said bight at a speed in excess of its speed of travel over said idler roller, a pressure roller whereby said web is pressed into operative contact with said feed roller, a tension roller located in said bight for maintaining said web under a predetermined tension, trunnions projecting in opposite directions from said tension roller beyond said web, lifting devices operatively connected with said pressure roller and rods depending from said lifting devices and extending diagonally across the path of said trunnions and engaged thereby to actuate said lifting devices and periodically adjust the pressure roller away from said feed roller to arrest the feeding action thereof, and means whereby said pressure roller is restored into engagement with said feed roller to restore the feeding action thereof whereby said bight is maintained at approximately a constant depending length.

1,586,720. COMBINATION WATER BOTTLE, ICE BAG, AND SYRINGE. EDGAR J. TOREY, Freeport, Ill. Filed Sept. 10, 1923. Serial No. 662,016. 8 Claims. (Cl. 220—1.)



1. A combination water bottle and syringe comprising an elongated water tight sheet metal body of substantially triangular cross section, one end wall of the body having in its portion of greatest width an opening of substantial size, a cap having a nozzle thereon adapted to be secured over said opening, an air valve located in the upper portion of the other end wall of the body and means to open or close said valve to control discharge through the nozzle, said valve being adapted to be closed when the device is used as a water bottle.

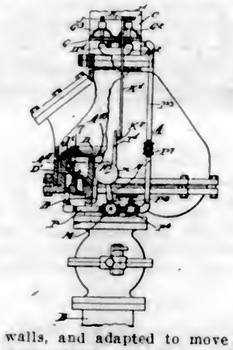
1,586,721. SHACKLE. WILLIAM A. TRYON, New York, N. Y. Filed Aug. 28, 1923. Serial No. 659,725. 9 Claims. (Cl. 267—54.)



1. A spring shackle comprising hollow bushings adapted for reception in the spring parts and chassis parts of a vehicle, each bushing being inwardly tapered from its opposite ends, links extending between the ends of said bushings and provided with inwardly projecting trunnions extending into the tapered portions of the bushings, and a single spring adapted to automatically maintain the trunnions in the bushings and to take up wear therebetween.

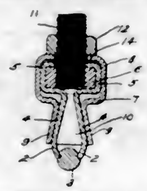
1,586,722. DRY-PIPE-VALVE-ACCELERATING DEVICE. EMIL TYDEN, Evanston, Ill. Filed Aug. 25, 1923. Serial No. 659,331. 7 Claims. (Cl. 169—22.)

1. In a dry pipe sprinkler system, in combination with a dry pipe main valve constructed for exposing different areas to the water and air pressures respectively at its opposite sides having for that purpose at the water inlet side a chamber in which the pressure is normally substantially atmospheric; a passage leading from the region of one of said pressures to said atmospheric pressure chamber; a valve adapted to be closed controlling said passage; an expansible and reducible chamber device consisting of two chambers exposed to air pressure from the system reaching different areas of the chamber wall through ports affording unequal access to the two chambers respectively, whereby change of air pressure in the system causes temporarily unequal pressures upon the moving walls of said two chambers; operating connections from the expansible and reducible chamber device for transmitting the resulting wall movement to the pressure-passage-controlling valve, for opening the same upon predetermined difference of pressures on the moving walls of said respective chambers, said connections comprising pivoted means connecting the two mov-



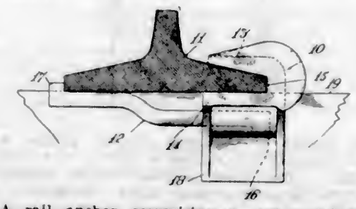
able chamber walls, and adapted to move at the points of connection respectively according to the differential movements of the two chamber walls; and operating connections from said pivoted means for transmitting its angular movement resulting from said differential movements of the chamber walls to the second mentioned valve.

1,586,723. TROLLEY-CONDUCTOR CLAMP. NILS A. WAHLBERG, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 25, 1921. Serial No. 464,251. 3 Claims. (Cl. 191—43.)



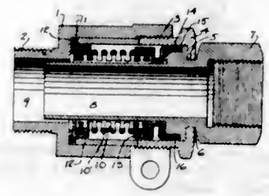
1. A conductor clamp comprising relatively movable jaws and a vertically movable member operable from above the jaws and having an inwardly depending portion engaging the outer surface of one of the jaws for moving the jaws relatively.

1,586,724. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed Dec. 1, 1924, Serial No. 753,257, Patent No. 1,556,052, dated Oct. 6, 1925. Divided and this application filed Aug. 24, 1925. Serial No. 52,084. 9 Claims. (Cl. 238—329.)



1. A rail anchor comprising a cast metal gripping member for engaging one flange of a rail base and a separately formed retaining member secured thereto and adapted to snap into engagement with the other flange of said base.

1,586,725. SWIVEL COUPLING. HENRY H. WESTINGHOUSE, New York, N. Y., and WILLIAM H. FULTON, Irvington, N. J., assignors, by mesne assignments, to Titeflex Metal Hose Co., a Corporation of New Jersey. Filed Jan. 8, 1921. Serial No. 435,802. 5 Claims. (Cl. 285—128.)

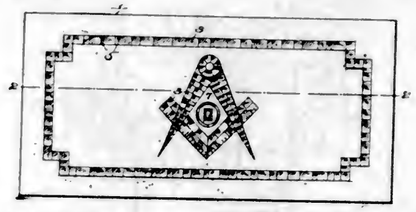


5. A swivel pipe coupling comprising two relatively turning tubular members, an exteriorly threaded divided nut threaded into one of said members, the engaging surfaces of the parts of said nut being the natural breakage surface of the material, a packing inserted between said members comprising a corrugated tube bearing against said members, whereby fluid pressure within said coupling forces the packing tightly against the joint.

1,586,726. DISK FOR VEHICLE WHEELS. JOHN R. WINTER, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Dec. 8, 1920. Serial No. 429,111. 2 Claims. (Cl. 301—63.)

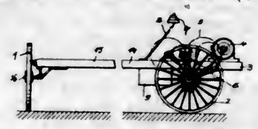
1. A disk wheel member constructed from a single sheet of metal and having an inner flat radially extending central hub attaching part, and annular axially extending inner and outer reversed curved portions between said flat central part and its periphery, the inner curved portion directly adjoining said central part extending to one side of the plane thereof, and the other outer curved portion being of greater curvature than said inner curved portion and extending therefrom to the other side of the plane of said central part, the disk being provided at its periphery with an annular rim crossing the plane of said central part and having a tire supporting flange at one side thereof.

1,586,727. PROCESS OF INLAYING DESIGNS ON GLASS. SIGMUND WURF, Boston, Mass., assignor of one-half to Crescenzo de Simone, Boston, Mass. Filed June 14, 1924. Serial No. 720,118. 4 Claims. (Cl. 41—36.)



1. A process for the ornamentation of glass consisting in building up the reverse surface of the glass by the application of a coating of hardening fluid and providing recesses in said coating in the form of the desired design, subjecting the recesses to an application of transparent material, inlaying the said recesses with pearls or the like and subjecting the inlaid material to pressure.

1,586,728. PORTABLE ELECTRIC-CURRENT-GENERATING PLANT. ISIDOR ZBAR, Leipzic-Neuschonefeld, Germany. Filed Apr. 4, 1925, Serial No. 20,718, and in Germany Apr. 26, 1924. 5 Claims. (Cl. 185—15.)



1. Electric current generating plant comprising a car, two car wheels, one being detachable, means connecting said wheels to said car, a bearing adapted to be fixed to the ground and to support one side of said car for rotation about said bearing in a horizontal plane, a dynamo on said car and means for transmitting rotation from a car wheel to said dynamo.

1,586,729. PROCESS FOR MANUFACTURING AMINO PERYLENE QUINONES. ALOIS ZINKE, Graz, Austria, assignor, by mesne assignments, to Felice Bensa, Genova, Italy. Filed June 15, 1923, Serial No. 645,704, and in Austria Apr. 7, 1923. 1 Claim. (Cl. 260—56.)

As a new article of manufacture amino perylene quinones.

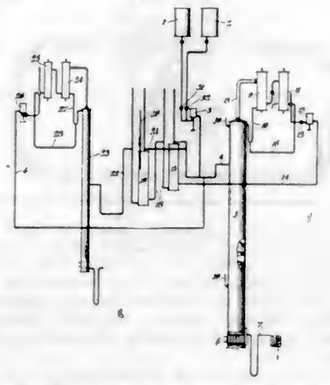
1,586,730. PROCESS FOR MANUFACTURING VAT DYES. ALOIS ZINKE and FRANZ HANSELMAYER, Graz, Austria, assignors, by mesne assignments, to Felice Bensa, Genova, Italy. Filed Feb. 14, 1924, Serial No. 692,884, and in Austria Apr. 7, 1923. 1 Claim. (Cl. 260—104.)

A process for manufacturing a vat dye consisting in heating the dibenzoate of dihydroxyperylene with anhydrous aluminium chloride to a temperature of 160° to 200° centigrade and purifying the product.

1,586,731. METHOD FOR THE MANUFACTURING OF BUTTONS. PAUL ANFT, Bremen, Germany. Filed Feb. 21, 1924, Serial No. 694,431, and in Germany Nov. 6, 1922. 2 Claims. (Cl. 106—1.)

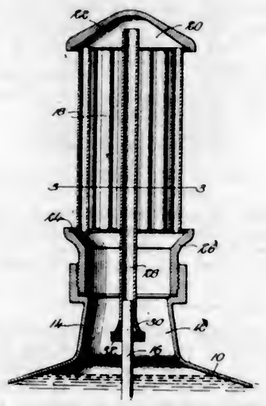
1. Method for manufacturing of buttons consisting in mixing together at dry state Portland cement, calcite and colouring substance, in stirring the mixture with a solution of sodium chloride and in pressing the mass in moulds.

1,586,732. ABSOLUTE-ALCOHOL PROCESS. ELWOOD I. CLAPP, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Nov. 18, 1924. Serial No. 750,519. 8 Claims. (Cl. 195—15.)



1. In the manufacture of absolute ethyl alcohol by fractional distillation of a mixture of alcohol, water and low boiling hydrocarbon in a column still, the process which comprises supplying said still with a mixture of the three substances wherein the ratio of the low boiling hydrocarbon to water is between a point above 10.5 : 1 and 17 :1.

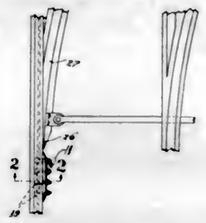
1,586,733. RADIATOR-CAP CONDENSER. ALFRED C. ELLEY, Beloit, Wis. Filed Mar. 13, 1925. Serial No. 15,206. 2 Claims. (Cl. 257—25.)



1. A condenser for automobile radiators including a plurality of vapor conduits, means at the inner end of one of the conduits for directly connecting the same with the overflow pipe of a radiator whereby communication between the radiator and said overflow pipe is denied except through said conduit, the remainder of said conduits having their inner ends arranged to open into the radiator, and means establishing communication between the outer ends of all of said conduits.

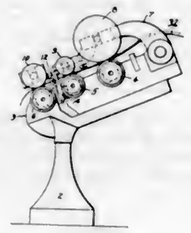
1,586,734. RAILWAY-SWITCH GUARD. ALBERT JOSEPH FLEMING, Scranton, Pa. Filed Dec. 22, 1924. Serial No. 757,544. 5 Claims. (Cl. 246—441.)

2. A railway switch guard embodying a deflector member having a plurality of inclined surfaces for engaging the flange of a railway wheel to shift the same toward the center of a railway track; and means for attaching the same on a railway rail in advance of the reduced end



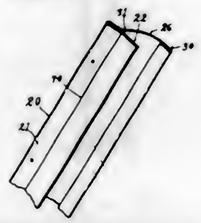
of a swinging switch rail, said means embodying a chair block adapted to rest on the flange of a rail for supporting said deflector member.

1,586,735. DRAWING APPARATUS OF ROVING AND SPINNING FRAMES. BELIZARIO DE ASSIS FONSECA, Sao Paulo, Brazil. Filed Jan. 9, 1925, Serial No. 1,489, and in Brazil Jan. 19, 1924. 11 Claims. (Cl. 19—130.)



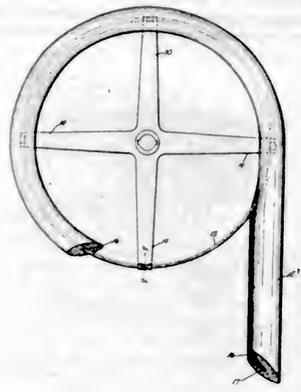
1. In a yarn frame, a plurality of rolls arranged in a succession by which yarn is drawn over the rolls in sequence, means for positively driving said rolls at different speeds, each at a greater speed than the preceding one whereby the draft between successive rolls is increased, and a pair of idle freely rotatable rolls mounted between the adjacent relatively high speed rolls of said succession and through which said yarn is drawn.

1,586,736. WEATHER STRIP. JAMES H. FOOTE, Cincinnati, Ohio. Filed Jan. 19, 1924. Serial No. 687,339. 5 Claims. (Cl. 20—69.)



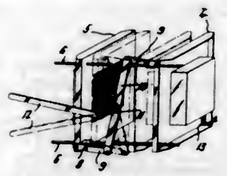
1. A weather strip comprising a strip of resilient material folded longitudinally thereof upon itself to form near said bend a section of double thick material to be attached to one of the joint members, a relatively narrow leaf normally at an obtuse angle relative to said double thick section to contact resiliently with one joint face, and a relatively wide leaf extending relative to said double thick section in a direction divergently opposite to that of said narrow leaf and curved transversely of its length to resiliently engage with some portion of said curved face continuously along an opposite joint face.

1,586,737. METHOD OF MAKING MOLDED-RUBBER HANDWHEELS. HARVEY D. GEYER, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 18, 1925. Serial No. 10,153. 6 Claims. (Cl. 18—59.)



1. The method of manufacturing a reinforced rubber hand-wheel rim comprising: forming a flexible length of unvulcanized rubber stock of substantially circular cross section and having a longitudinal slit therein, laying said stock around the outside of a reinforcing self-sustaining hoop so that the hoop is received within said slit, said slit thus lying on the inner periphery of the ring thus formed, and vulcanizing the rubber in a mold whereby the edges of said slit are vulcanized together.

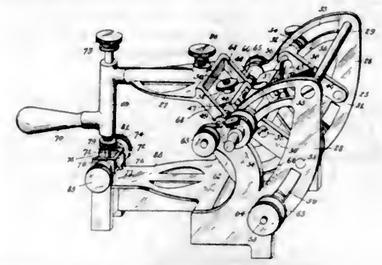
1,586,738. COOKING APPARATUS. WILLIAM GUYPELL, London, England. Filed Aug. 8, 1925, Serial No. 48,942, and in Great Britain Dec. 9, 1924. 4 Claims. (Cl. 126—41.)



1. In apparatus of the kind described, a pair of heating elements, a pair of stationary guides arranged horizontally one above the other in a common vertical plane adjacent to one edge of each heating element and means to produce rapid movement of both heating elements simultaneously applied to one heating element near the lower guide and to the other heating element near the upper guide, substantially as described.

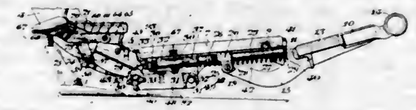
1,586,739. DENTAL ARTICULATOR. RUDOLPH L. HANAU, Buffalo, N. Y., assignor to Jacob L. Stern, Buffalo, N. Y. Filed Feb. 3, 1921. Serial No. 442,036. 38 Claims. (Cl. 32—1.)

8. A dental articulator comprising a frame, a pair of levers pivotally connected to said frame, a second pair of levers swinging on spherical surfaces provided on said frame, means for adjusting the outer ends of the first-mentioned pair of levers and the inner ends of the second-mentioned pair of levers, a jaw member fixed to



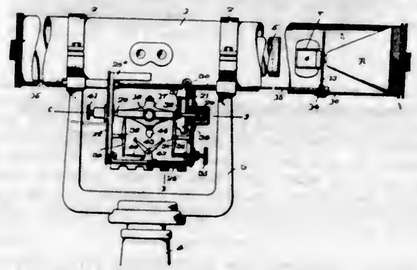
said frame, a second jaw member supported by the outer ends of said second pair of levers, and a guiding member for said last-mentioned jaw member.

1,586,740. DENTAL CHAIR. GEORGE D. HECK, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,141. 30 Claims. (Cl. 155—171.)



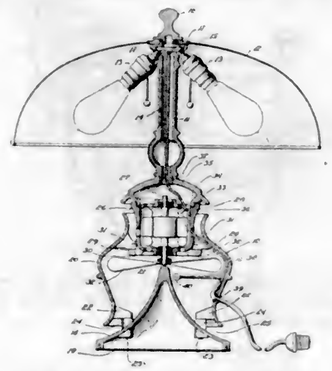
1. In a dental chair, the combination with a seat supporting frame, of a foot-rest frame pivotally supported thereon and arranged to be adjusted toward and from the chair seat, a toe-board frame pivoted to said foot-rest frame and arranged to be inclined either toward or from said seat, a slide-rod carried by said foot-rest, and means on said toe-board frame cooperative with said slide-rod to retain the toe-board frame inclined toward the chair seat or yieldingly retained inclined away from said seat.

1,586,741. RANGE FINDER. JAMES BLACKLOCK HENDERSON, Lee, England. Filed July 26, 1919, Serial No. 313,539, and in Great Britain July 25, 1916. 13 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



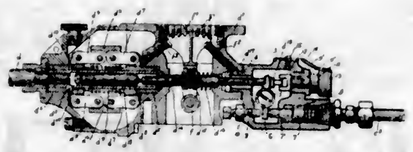
1. A range finder for use on an angularly moving body, comprising optical elements a stabilizing device free from forced oscillations in phase with the disturbing forces introduced by the oscillations of the body and connections between the elements and the device for moving a part of the elements relatively to the body to compensate for the effect of its angular movement on the field of view of the range finder.

1,586,742. COMBINATION FAN AND LAMP. JOHN G. HEY, Cincinnati, Ohio. Filed Oct. 22, 1923. Serial No. 669,897. 6 Claims. (Cl. 230—1.)



1. A device of the class described, comprising in combination, a cone shaped base member, a casing fitting loosely over said member and being supported thereby, said member and said casing being shaped to define a downwardly and outwardly flaring passage leading from the interior of said casing, a motor supported within the upper end of said casing and having a vertical armature shaft, an end thrust fan supported by said shaft within said casing, a cap supported by said motor above said casing, said casing, motor and cap being constructed and arranged to define an annular air inlet passage leading to the interior of said casing, an upright supported by said cap, means on said upright utilizing the above structure as a base, and means for supplying electric energy to said motor.

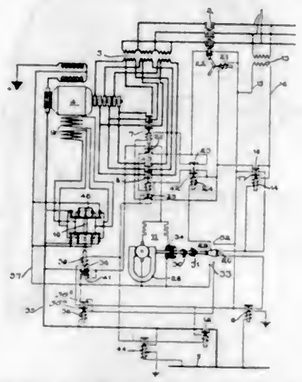
1,586,743. ENGINE AND COMPRESSOR CONTROL. LEON F. HOFFMAN, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed May 23, 1924. Serial No. 715,360. 17 Claims. (Cl. 230—24.)



1. The combination with an engine driven compressor of control means for the engine comprising a housing enclosing a centrifugal governor having a movable shaft operatively connected to the engine throttle, a casing secured to said housing and receiving an extension of said movable shaft, and fluid pressure operated means within said casing operable on unloading of the compressor for actuating said shaft to throttle the engine.

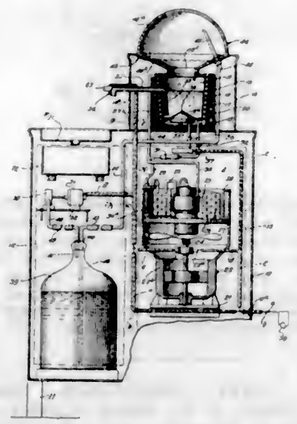
1,586,744. METHOD OF REVERSING POLARITY OF SYNCHRONOUS CONVERTERS. AARON D. HOWRY, Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 12, 1922. Serial No. 581,314. 9 Claims. (Cl. 171—118.)

1. The combination with a synchronous converter, a direct-current circuit having a predetermined polarity, and means for connecting the converter to the circuit, of means for controlling the development of a potential of predetermined polarity in the converter comprising a shunt field-magnet winding for the converter divided into a plurality of portions, switching means having a normal position in which all of the portions of the converter field-magnet winding are connected in series between the direct-current terminals of the converter to be energized in a predetermined direction, and a reversing position in which all of the portions of the converter field-magnet windings are connected in parallel relation to the direct-current terminals of the converter



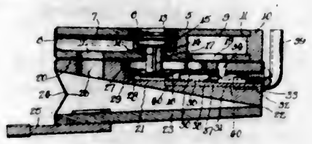
to be energized in the opposite direction, a polarity-responsive device connected between the direct-current terminals of the converter and having a switch that is closed when the polarity of the converter is opposite to the predetermined polarity of the direct-current circuit, a relay device connected in series with said switch between the direct-current terminals of the converter, and means for actuating the field-magnet winding switching means to the reversing position when said relay device is energized.

1,586,745. COOLING APPARATUS. GEORGE E. HULSE, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Mar. 7, 1923. Serial No. 623,377. 23 Claims. (Cl. 225—40.)



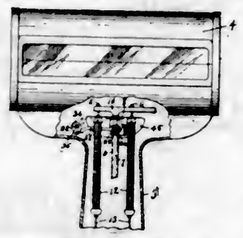
1. In apparatus of the character described, in combination, a receptacle adapted to receive water, means for cooling the contents of said receptacle, a reservoir forming a source of supply of water, means forming a discharge passage for leading the water out of said receptacle, means for controlling the flow of water through said discharge passage, and means for controlling the transfer of water from said reservoir to said receptacle, one of said controlling means being set into operation upon a manual operation of the other controlling means.

1,586,746. PNEUMATIC STRIKER ACTION FOR PLAYER PIANOS. ALBERT A. HUSEBY, Chicago, Ill. Filed Aug. 23, 1924. Serial No. 733,672. 7 Claims. (Cl. 84—50.)



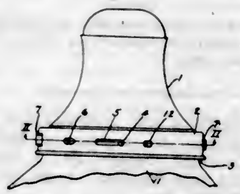
1. In a pneumatic player action, a valve board comprising an integral wooden structure hollowed out to provide valve chambers, ducts for connecting said valve chambers with striker pneumatics, and a continuous longitudinal air channel formed as a groove in one edge of said structure, and a closure strip glued to said edge to seal said air channel and forming an edge portion of said valve board.

1,586,747. SCALE. LOUIS JAENICHEN, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed July 7, 1921. Serial No. 482,948. 7 Claims. (Cl. 265—39.)



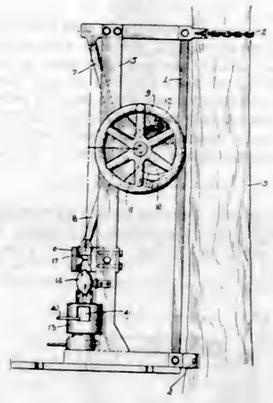
1. In a scale, the combination of a load resisting spring mechanism and a support therefor, means to initially adjust said spring mechanism relative to the support, load receiving means adapted to receive a container and to communicate the load to said spring mechanism, an adjustable cam to move said support the distance the spring is stretched by the container, and means to retain said cam in its adjusted position.

1,586,748. SCREWLESS GLOBE HOLDER. RICHARD J. JOHNSTON, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1923. Serial No. 677,561. 8 Claims. (Cl. 240—132.)



1. A globe holder comprising a fixed member having an opening in a lateral portion thereof, a resilient gripping finger exteriorly disposed on said fixed member, a movable member exteriorly disposed on said fixed member and provided with a cam for cooperating with said finger and means in said cam whereby a relatively concentric displacement of said movable and fixed members in one direction thrusts said spring inwardly through said opening for engaging a globe and a movement in the other direction permits disengagement of said globe.

1,586,749. NUT-SHELLING APPARATUS. ROBERT B. JOHNSTON, Collingswood, N. J., and WILLIAM E. GIESECKE, New York, N. Y., assignors to Charles G. Wilson Company, Inc., New York, N. Y., a Corporation of New York. Filed July 10, 1925. Serial No. 42,649. 25 Claims. (Cl. 146—10.)



7. In a nut shelling machine, heads mounted for relative movement toward and from each other, each head having a seat for the end of the nut, one head a cutter and an auxiliary cutter head in the seat thereof, each cutter head including blades radially arranged with respect to the seat, the cutting edges of the head blades inclining inwardly and rearwardly toward the seat, and the cutting edges of the blades of the auxiliary head inclining rearwardly and inwardly.

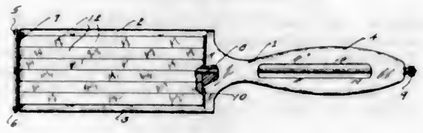
1,586,750. FLEXIBLE-SHAFT CASING. EMMET A. JOLINE, Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 19, 1924. Serial No. 750,845. 2 Claims. (Cl. 64—30.)

1. A flexible shaft casing having a tapered coiled spring reinforcement forming a component part of said casing.

1,586,751. SANITARY HAIRBRUSH. FRANK W. KELLOGG, Reedsport, Oreg. Filed Mar. 5, 1925. Serial No. 13,170. 1 Claim. (Cl. 15—202.)

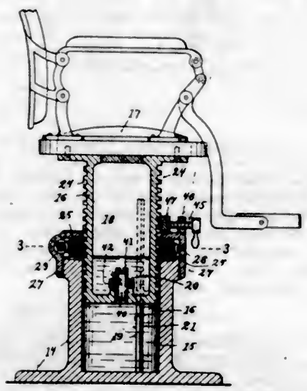
A hair brush, comprising a frame structure consisting of a handle member, one end thereof being rounded into an end portion the other end being flared outwardly and having a flat face on its outward end, two parallel bar members disposed outwardly from the extremities of said face and parallel to the longitudinal center line of

the handle, there being a hole longitudinally disposed central of the handle, and parallel to said bars, a battery of bristle carrying units to be clamped in said frame a means to clamp said bristle units in said frame comprising a locking plate having holes disposed through its outer ends which are adapted to fit over said parallel rods, and a fastening bar mounted centrally on the inner



face of said plate and parallel to and between said first mentioned bars when said plate is placed thereon said fastening bar passes through the hole in said handle and a nut threaded upon the end of said fastening bar opposite the locking plate after the same is passed through the handle and adapted to exert a clamping pressure upon the bristle units placed between said locking plate and the flat face of the flared out portion of the handle.

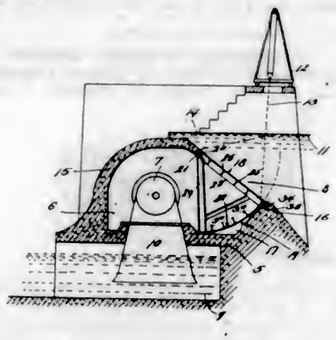
1,586,752. CHAIR AND TABLE ADJUSTING MECHANISM. FRANK KOENIGKRAMER, Cincinnati, Ohio. Filed Aug. 15, 1921. Serial No. 492,463. 4 Claims. (Cl. 155—93.)



1. A supporting mechanism comprising a base having a vertical cylindrical recess to serve as a lateral support for a supporting standard, an externally screw-threaded cylindrical supporting standard telescopically mounted in said recess in the base and provided with a vertical keyway, an annular driving member threaded to said standard and journaled to said base at the upper end of said vertical recess, means to rotate said annular driving member relative to said base to feed said standard vertically relative to said base, an annular collar keyed to and rotatable with said standard relative to said base, and means to detachably rigidly lock said annular collar to said base.

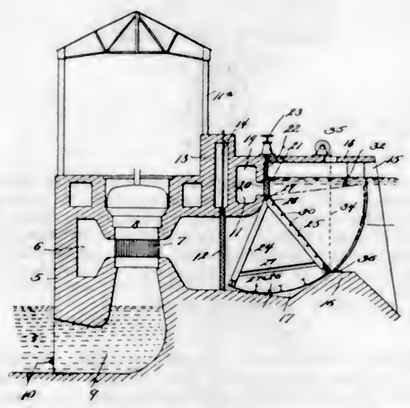
1,586,753. COMBINATION TRASH RACK AND RADIAL GATE. JAMES A. LEONARD, Lewiston, Me., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1925. Serial No. 17,728. 14 Claims. (Cl. 61—19.)

1. In a device for water power plants of the class specified, the combination with a part of the plant, of a radial gate converging towards its upper extremity and pivotally attached to a part of the plant at said ex-



tremity, the gate comprising a front straight rack and a lower curved closed bottom uniformly movable with the said straight rack.

1,586,754. DOUBLE RACK FOR WATER SUPPLY. JAMES A. LEONARD, Lewiston, Me., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1925. Serial No. 17,729. 10 Claims. (Cl. 61—19.)

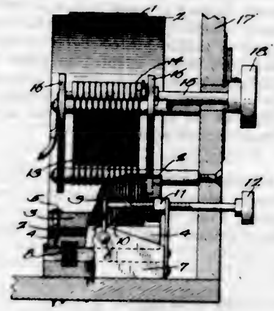


1. A device of the class specified comprising dual racks connected for unitary movement and operable for replacement one by the other.

1,586,755. INDUCTANCE APPARATUS. JOHN F. LINDBERG, Chicago, Ill., assignor to Reliance Die & Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,271. 3 Claims. (Cl. 250—40.)

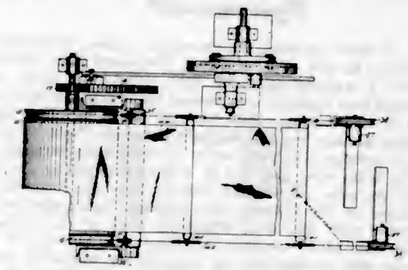
1. The combination with an electric condenser; of a wire coil surrounding and in inductive relation with the condenser; a mounting upon which the wire coil is

pivoted upon one side of its axis to enable it to be adjusted with respect to the condenser; a coiled spring



pressing upon this coil in one of its turning directions, and an adjusting screw operating to turn the coil in an opposite direction against the force of the spring.

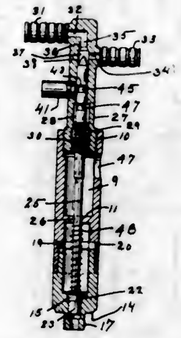
1,586,756. CONVEYER. FREDERIC L. MACALEESE, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 10, 1921. Serial No. 476,493. 2 Claims. (Cl. 271—2.5.)



1. Conveying mechanism comprising two relatively fixed pulleys, a belt passing over said pulleys, two relatively movable pulleys positioned beyond the fixed pulleys and adapted to form loops in the upper and lower runs of the belt, means to simultaneously reciprocate the movable pulleys in opposite directions, a table in the path of the upper loop and means to move the upper run of the latter as the upper loop recedes from the table.

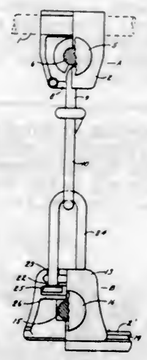
1,586,757. COMBINED SAFETY VALVE AND FUEL CONTROL. WALTER O. MAITLAND, Fresno, Calif. Filed May 5, 1924. Serial No. 711,024. 3 Claims. (Cl. 126—351.)

1. In a device of the character described the combination of a pressure valve chamber casing and a fuel control valve chamber casing, connected together at their ends in longitudinal alinement, said fuel control valve chamber having a valve seat intermediate its ends; a gas inlet opening into said fuel control valve chamber below said valve seat; a gas outlet opening into said valve chamber above said valve seat; a fuel control valve mounted in said fuel control valve chamber to move longitudinally and having a downwardly extending stem, said stem extending into said pressure valve chamber casing; a valve seat in the lower end of said pressure valve chamber; a valve for said last valve seat having an upwardly extending stem, said stem being of a length to abut at its upper end against the lower ends of said fuel control valve stem when the same is in its open position and said pressure valve is in its closed position whereby upward movement of said pressure valve will move said fuel valve upwardly to control the passage of fuel through said fuel openings; means to yieldably se-



cure said fuel valve in its open or closed positions; a spring coiled around said pressure valve stem between said valve and the upper end of said casing adapted to normally hold said valve seated; and a connection from said pressure valve chamber to atmosphere.

1,586,758. CONDUCTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed July 1, 1925. Serial No. 40,815. 4 Claims. (Cl. 191—40.)

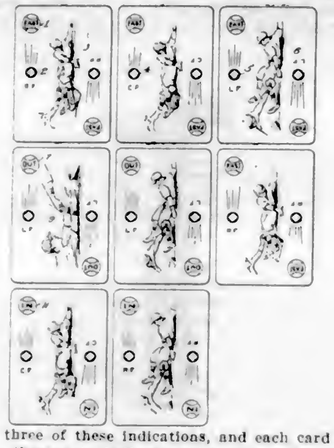


1. A suspension device comprising a pair of spaced clamps each comprising a pair of members and each provided with holding means to move the members toward each other and into engagement with conductors and hold the members in said engagement, a hanger pivotally connected to one clamp and interlinked with a hanger secured to the other clamp in a substantially rigid relation and means on each clamp to receive and grip the conductors.

1,586,759. CARD GAME. MAXIMILIAN C. MEYER, Brooklyn, N. Y. Filed Dec. 5, 1925. Serial No. 73,297. 10 Claims. (Cl. 273—152.)

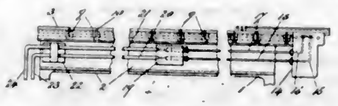
1. A base ball card game comprising a plurality of cards having indicia thereon by means of which base

ball plays may be simulated including pitched balls, base hits, base running, and double plays, each card having



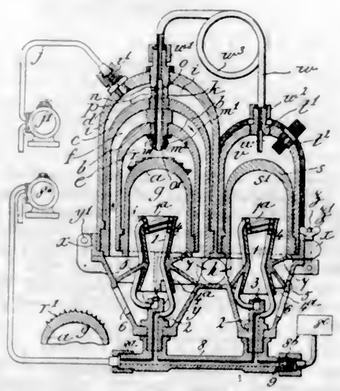
at least three of these indications, and each card having a design thereon to indicate which play is effective.

1,586,760. TYPE-CASTING MACHINE. JOSEPH FREDERICK NORMAN, London, England. Filed Nov. 21, 1925. Serial No. 70,704. 4 Claims. (Cl. 199—82.)



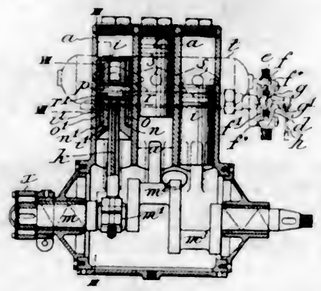
1. A double-acting type casting machine having a travelling mold carrier, a travelling bottom mold plate secured to said carrier, a travelling water jacket in said carrier in contiguity with said plate, and means for conducting water through said jacket, substantially as and for the purpose set forth.

1,586,761. PRODUCTION OF HIGH-PRESSURE STEAM FOR MOTIVE PURPOSES. SYDNEY HOWARD SHEPHERD, Cricklewood, London, England. Filed Oct. 13, 1925, Serial No. 62,303, and in Great Britain May 23, 1924. 10 Claims. (Cl. 122—41.)



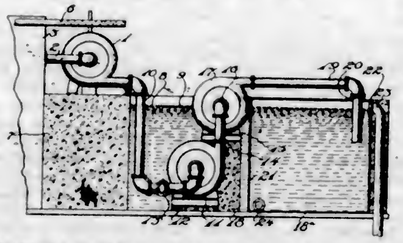
1. An apparatus for the production of steam at high temperature and pressure, comprising a steam generator and a steam superheater each comprising two cylindrical metal tubes having dome shaped upper ends arranged concentrically one within the other at a suitable distance apart and connected together at their lower ends in a fluid-tight manner so as to form an upper hollow part-spherical chamber having a lower narrow annular shaped extension, means concentric with the steam generating chamber adapted to supply heated water under pressure to said chamber and means adapted to place the steam generating and superheating chambers in communication at their upper ends and the steam superheating chamber having an outlet at its upper end for the discharge of superheated steam under pressure.

1,586,762. FLUID-PRESSURE RECIPROCATING ENGINE. SYDNEY HOWARD SHEPHERD, Cricklewood, London, England. Filed Oct. 16, 1925, Serial No. 62,877, and in Great Britain May 23, 1924. 3 Claims. (Cl. 121—123.)



1. A fluid pressure reciprocating engine, including a cylinder having separate fluid admission and exhaust ports; a working piston in said cylinder by which the exhaust port therein is uncovered upon arriving near the end of its working outstroke, said piston having a fluid supply passage leading laterally thereinto from a point in its periphery and extending longitudinally through its walls to its inner end face on a line substantially parallel with its axis and opening directly into the compression chamber of the cylinder, said passages being adapted to register with the fluid admission port of the cylinder when the piston reaches the inner end portion of its stroke and to move out of registration therewith when said piston has made a predetermined portion of its working outstroke; an oscillating joint-pin for said piston having its ends extending diametrically into the walls of the latter in a plane with the longitudinally extended portion of the supply passage therein and normally closing the same, said joint-pin being provided with a passage extending transversely therethrough and adapted by the angular movement thereof to be brought into and out of co-axial registration with said supply passage in the piston; a crank-shaft and a connecting rod fixed to said joint-pin and connected to said crank-shaft.

1,586,763. SMOKE-WASHING DEVICE. THOMAS R. SPENCER, Lebanon, Ohio. Filed Jan. 30, 1926. Serial No. 84,963. 12 Claims. (Cl. 261—29.)

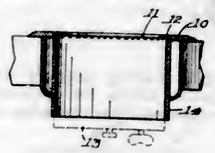


12. Smoke washing means, comprising a reservoir for liquid, an exhaust fan arranged to exhaust from the smoke outlet of a furnace, a series of pumps, the first of said pumps being submerged in the liquid in said reservoir and being arranged to receive the exhaust from said fan and also to pump liquid from said reservoir, whereby said exhaust and water may be mixed, each successive pump in said series being arranged to receive the mixed water and smoke from the preceding pump, a closed reservoir for receiving the discharge from the last pump, said closed reservoir being mounted inside said first mentioned reservoir, screened openings in said closed reservoir communicating with said first reservoir, said closed reservoir being provided with an outlet for gases, and means whereby said pumps may be driven at a slightly higher speed than said fan.

1,586,764. BASE-EXCHANGE SILICATE AND PROCESS OF MAKING IT. HAROLD JOSEPH WHEATON, Lower Walton, near Warrington, England, assignor, by mesne assignments, to American Doucil Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1922, Serial No. 547,591, and in Great Britain Jan. 25, 1922. 23 Claims. (Cl. 23—113.)

9. A double base exchange silicate in which practically all of the soluble substances formed by reaction of the constituent solutions are retained in the gel.

1,586,765. CLOCK CASING. JOSEPH WILCOX, Jr., Athol, Mass., assignor to The Wilcox Novelty Company, Athol, Mass., a Corporation of Massachusetts. Filed Dec. 10, 1924. Serial No. 755,057. 3 Claims. (Cl. 58—53.)

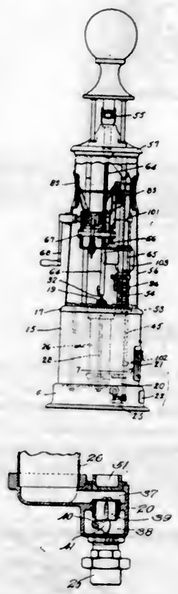


1. A clock casing formed of sheet material and comprising a front frame member having a dial opening and having a circular recess formed in the flat rear face of said member, said recess being accurately centered with the dial opening in said frame member, but having its cylindrical outer shoulder spaced outwardly from said dial opening, a movement-supporting sleeve permanently secured in position in said casing and centered by said recess, and means to support the rear portion of said sleeve.

1,586,766. LIQUID-DISPENSING PUMP. GILBERT H. WILLIAMS and OLIVER C. HUFNAGLE, Dayton, Ohio. Filed July 14, 1924. Serial No. 725,964. 21 Claims. (Cl. 221—103.)

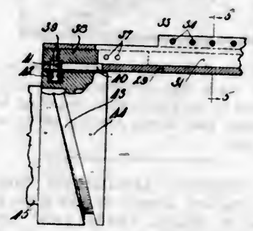
1. A liquid dispensing pump including in combination with means for operating the pump, means for predetermining the quantity of liquid discharged upon each full operation of the pump, means for limiting said operation and discharging less liquid than said quantity, and means for restoring the pump to normal thereafter, comprising a plurality of cylinders communicating one with the other at their discharge ends, means adapted to effect communication between the cylinders at their intake ends, whereby to cause a compensating distribution of liquid between the cylinders upon completing said operation.

21. In a liquid dispensing pump, the combination of a cylinder housing, a cylinder within the housing, a piston operable in the cylinder, a head for the housing serving



also as a head for the cylinder, and a removable cover plate for the cylinder supported in said head whereby to afford access to the piston connections in said cylinder.

1,586,767. STRAND-TRAVERSE GUIDE. EDWARD JAMES ABBOTT, Wilton, N. H. Filed July 28, 1925. Serial No. 46,572. 7 Claims. (Cl. 28—37.)

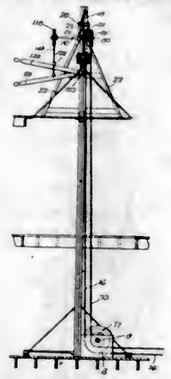


1. Traverse mechanism of the class described comprising a thin, flat, and normally flexible elongate bar provided with a strand guiding element, means for reciprocating the bar, and fixed guide means extending substantially the entire length of the bar at opposite sides thereof positively to confine the bar to the desired path of movement.

1,586,768. TRANSPORTABLE ELEVATOR. EDWIN A. ALLEN, Chicago, Ill., assignor to Automatic Material Hoist Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1925. Serial No. 7,503. 25 Claims. (Cl. 187—2.)

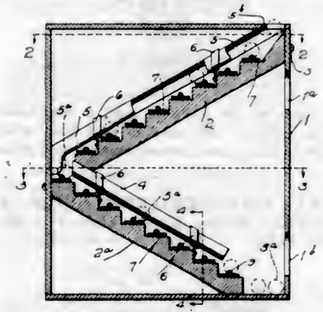
14. In a hoisting apparatus, a hoisting tower, elevators guided in said tower, a pair of operated drums, a guide drum, a one piece cable connecting said elevators and drums, driving mechanism for the operated drums including a clutch mechanism for alternately connecting

said drums in driving relation with said mechanism, a pair of resiliently applied brakes for said drums, a brake



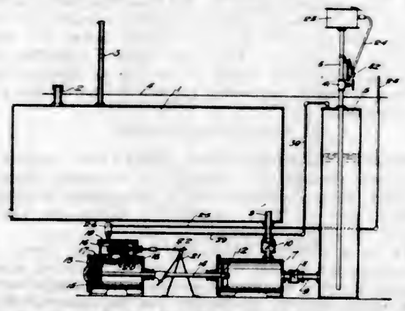
shaft connected to said brakes, and mechanism including a control cable actuated at a remote point for simultaneously controlling said clutch mechanism and brakes.

1,586,769. MUSICAL INSTRUMENT. MORRIS W. ASKIN, Washington, D. C. Filed Aug. 23, 1921. Serial No. 494,679. 5 Claims. (Cl. 84—403.)



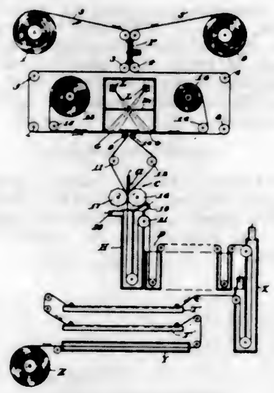
3. In a device of the class described in combination, a sound box, a stair like structure supported therein, a guide supported on said structure, sounding bars attached to said structure and means moving along said stairs to strike said bars.

1,586,770. VENDING APPARATUS FOR LIQUIDS. FRANCIS F. BADOUX, Exeter, STACEY E. NAYLOR, Dinuba, and FRANK R. BRANN, Visalia, Calif. Filed Jan. 5, 1925. Serial No. 622,. 3 Claims. (Cl. 221—102.)



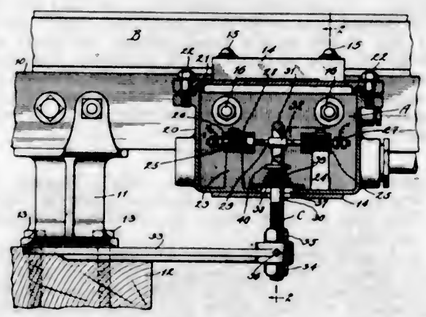
1. An automatic gasoline dispensing stand comprising a gasoline supply tank, a closed reservoir connected to said tank to receive gasoline therefrom, a dispensing tubing connected to said reservoir, automatic means for maintaining at all times a supply of gasoline in said reservoir, said means being controlled by the pressure developed within said closed reservoir due to the amount of gasoline forced thereinto, and a control valve at the end of said dispensing tubing for controlling the flow of gasoline from said reservoir and for thereby governing the flow of gasoline from said tank to said reservoir.

1,586,771. CINEMATOGRAPHY. JOSEPH A. BALL, Jamaica Plain, Mass., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Nov. 2, 1921. Serial No. 512,398. 28 Claims. (Cl. 88—16.4.)



1. The method of making multi-ply cinematographic films which comprises joining the component strips subsequent to the printing process and prior to the developing process.

1,586,772. RAMP-GOVERNED CIRCUIT CONTROLLER. JOSEPH BEAUMONT, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,431. 12 Claims. (Cl. 246—49.)



1. A ramp governed circuit controlling apparatus comprising a ramp, a circuit controlling means connected to the ramp for movement therewith, and means arranged to be held stationary during movement of the ramp for operating the circuit controlling means when the ramp is displaced or deflected.

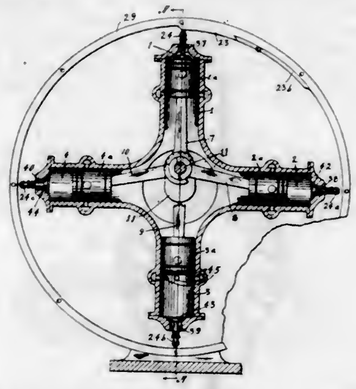
1,586,773. ANCHORAGE DEVICE FOR VEHICLES. WILLIAM W. BLAKELY, Dexter, Mich. Filed Nov. 10, 1924. Serial No. 749,066. 5 Claims. (Cl. 188—32.)

1. In an anchorage device, the combination with a tie member, of a ring secured thereto having a cup-shaped portion, the base of said cup-shaped portion having an opening therein, and a separate closure for said opening.

1,586,774. GUSSETED FOOTWEAR AND METHOD OF MAKING THE SAME. EDGAR S. BOTT and ARTHUR S. FUNK, La Crosse, Wis., assignors to La Crosse Rubber Mills Co., La Crosse, Wis. Filed Apr. 2, 1925. Serial No. 20,267. 16 Claims. (Cl. 36—5.)

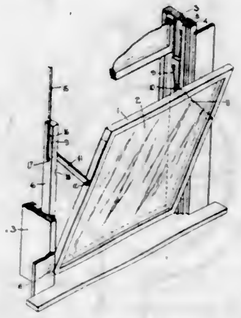
6. The method of making a lined shoe having a folded pocket at its closure, which consists in assembling lining sections into a unit, assembling a pocket-forming piece and a pocket-closing strip into a unit in which the strip extends across and closes the opening of the pocket, uniting the above-named units to form a single substantially flat unit, placing the last-named unit upon a last, applying the outer material of the upper upon the last over the last-named unit and across the opening of said pocket which is already closed by said strip and uniting said material with such unit, completing the formation of the shoe while on the last, slitting said material and strip at the opening of said pocket, and removing the shoe from the last.

1,586,775. ROTARY EXPANSION ENGINE. OLIVER S. BOWMAN, Colorado Springs, Colo. Filed June 7, 1921. Serial No. 475,660. 4 Claims. (Cl. 121—59.)



3. In a rotary expansion engine, a hub; a plurality of cylinders extending radially from said hub; valves in said cylinders; a case mounted movably on said hub; a segment of circular track, adjustable with respect to its length, mounted in said case and adapted to cooperate with the valves of said cylinders; for the purposes set forth.

1,586,776. WINDOW CONSTRUCTION. WILLIAM WARNER BRADLEY, Detroit, Mich., assignor of one-third to Franklin F. Coleman and one-third to William C. Coleman, both of Detroit, Mich. Filed May 1, 1924. Serial No. 710,349. 3 Claims. (Cl. 20—49.)

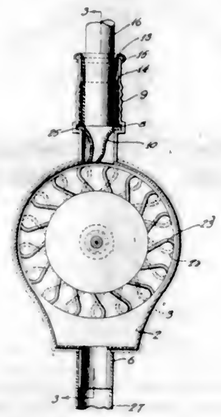


1. In a window construction, the combination with a sash, and a frame for said sash, comprising uprights between which the sash is engageable, of a pair of slides arranged for vertical travel upon said uprights, pivot members carried by the lower end portion of said sash, engaging said slides, and adapted for a limited up and down movement in said slides, and pins oppositely projecting from the sash at points remote from said pivot members, the slides having pockets in which said pins are downwardly engageable to normally hold the sash from swinging.

1,586,777. WATER MOTOR. EDWIN S. BROTHERS, Brooklyn, N. Y. Filed Aug. 20, 1924. Serial No. 733,055. 9 Claims. (Cl. 253—137.)

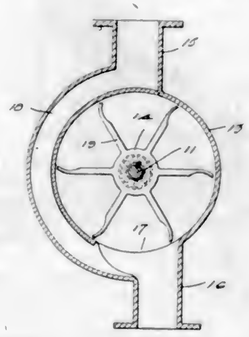
1. A water motor embodying a casing having an inlet provided with means of attachment to a source of water supply, and an outlet provided with an apertured waste-

pipe stopper, a pair of rotors positioned within the casing and operable in either of opposite directions by water passing through the casing, a water switching member



associated with the inlet for directing a stream of water from the source into cooperative relation with either rotor to the exclusion of the other, and a common shaft journalled for rotation and on which both rotors are fixed.

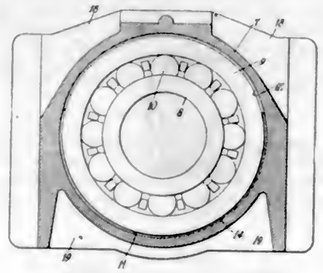
1,586,778. INTERNAL-COMBUSTION ENGINE. WILLIAM H. BROWN, Pittsburgh, Pa. Filed Sept. 11, 1925. Serial No. 55,838. 1 Claim. (Cl. 103—96.)



A blower of the class described including a casing, a pair of necks extending from the casing, an opening in the casing communicating one neck therewith, and a conduit formed about one side of the casing leading from the other neck to said opening, a hub rotatable within the casing and having blades radiating therefrom to set up a whirl for aiding the passage of gas through the conduit.

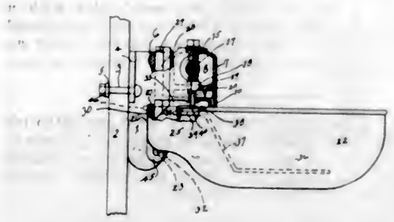
1,586,779. BEARING MOUNTING. HAROLD E. BRUNNER, Mamaroneck, N. Y., assignor to The Skayef Ball Bearing Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 5, 1925. Serial No. 54,654. 2 Claims. (Cl. 308—207.)

1. A bearing housing having at its upper portion a crown, the surface thereof formed as a hollow cylindrical face of less than 180°, and an antifriction bearing mounted on such crown the surface of the outer ring of the bearing being formed as a cylinder of greater radius



than the radius of the crown, the elasticity of the housing permitting a complete surface contact with the bearing ring over the crown upon the application of load.

1,586,780. DETACHABLE DRINKING BOWL. MICHAEL B. BULGER, Beaver Dam, Wis. Filed May 9, 1921. Serial No. 467,830. 3 Claims. (Cl. 119—75.)

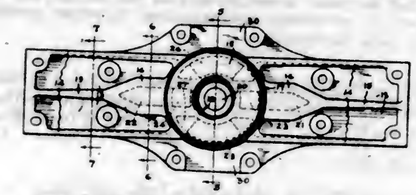


1. A drinking bowl for stock having a rear wall provided with a depending pivotal flange, in combination with a bracket provided with a groove to receive said flange, and a vertically moving locking key adapted to engage the inner surface of said wall near the upper margin of the bowl.

1,586,781. RECEPTACLE CLOSURE. OSCAR B. CASE, JACOB BACHMAN, and RALPH EDWIN RHOADES, Williamsport, Pa. Filed Feb. 21, 1923. Serial No. 620,482. 2 Claims. (Cl. 221—60.)

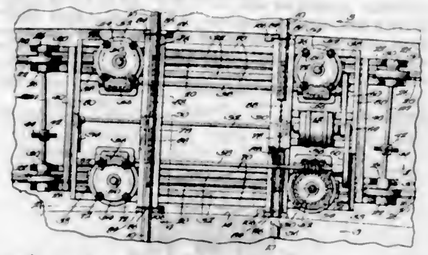
1. In a closing device for receptacles, the combination of a receptacle having a fixed cover, an aperture in said fixed cover, a revoluble cap positioned over said fixed cover abutting upon the upper face of the fixed cover and having a recess therein and an integral projection on the upper face of said revoluble cap above said recess, the removal of which will cause an aperture in the cap capable of revoluble alignment with the aperture of the cover.

1,586,782. BOLSTER PLATE. FREDERICK W. CHRISWELL, Seattle, Wash. Filed Aug. 6, 1925. Serial No. 48,453. 4 Claims. (Cl. 105—230.)



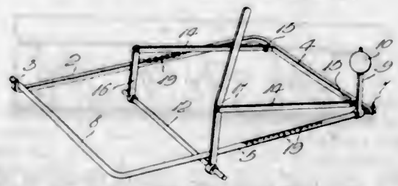
2. A bolster plate of the class described, embodying a relatively long rectangular body member, a large integral hub extending downwardly from the center of said body member, a small integral hub extending upwardly within and spaced from said larger hub, and two longitudinal webs extending across the space between said hubs on each side of the longitudinal center line of said bolster plate and uniting with portions of said smaller hub to form a continuous metal bridge across the central portion of said bolster plate.

1,586,783. DROP-PIT MECHANISM FOR UNWHEELING LOCOMOTIVES. OSCAR L. COFFEY, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Jan. 10, 1925. Serial No. 1,517. 5 Claims. (Cl. 104—32.)



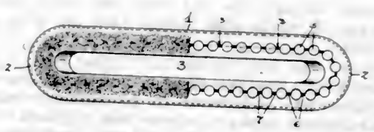
1. In mechanism of the class described, a trolley having wheels, rails on which the wheels of said trolley rest, yieldable means supporting the trolley upon said wheels whereby the trolley may move downward with respect to said wheels when a load is placed on the trolley in excess of the sustaining capacity of said yieldable means, members on the trolley normally spaced from said rails adapted to engage the latter when the trolley is moved downward with respect to said wheels, to relieve the wheels of excess load, screw shafts carried by said members, and a load carrying frame mounted on and vertically reciprocable along said shafts.

1,586,784. PILE YOKE FOR PILE DRIVERS. JOHN S. CREECH, Aberdeen, Wash. Filed Apr. 16, 1925. Serial No. 23,624. 9 Claims. (Cl. 61—73.)



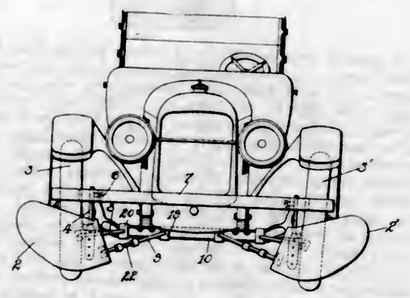
1. A pile yoke comprising a side bar, means for slidably mounting the same on a pile driver frame, a second side bar spaced from the first named bar, means for slidably and rotatably mounting the second bar on the pile driver frame, a transverse yoke bar rigid with the outer end of the second side bar and of a length to extend to the outer end of the first named side bar, means for detachably connecting said yoke bar and said first named side bar permitting the former to be swung to a vertical position for engagement with or disengagement from a pile, and means for holding said side bars when pulled inwardly to engage the yoke bar with a pile.

1,586,785. BRUSH. EDWARD E. CURTIS, Lakewood, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 15, 1924. Serial No. 706,636. 4 Claims. (Cl. 15—158.)



1. In a brush, the combination of a back provided with a ring of tuft sockets, and slots cut between such sockets and communicating therewith, and tufts of bristles inserted in such sockets, some of the side bristles of such tufts inclining in said slots to form a ring of bristles closed from the ends to the brush back.

1,586,786. SNOWPLOW ATTACHMENT FOR AUTOMOBILES. JOHN W. DAVIES, Reading, Mass. Filed May 11, 1923. Serial No. 638,204. 4 Claims. (Cl. 293—58.)

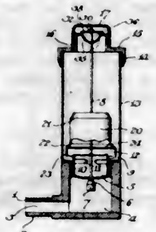


1. In an automobile, the combination of a bracket secured to the body of the automobile, a plow share, an upright rod secured to said plow share and adjustably mounted in said bracket, said bracket and rod supporting said plow share in front of one of the forward wheels of the automobile and permitting a swinging adjustment of said plow share about the axis of said rod, and two rods connecting the front axle of the automobile with points on said plow share at opposite sides of said axis.

1,586,787. RADIATOR VALVE. FRANK H. DOUGHERTY, Philadelphia, Pa. Filed July 30, 1924. Serial No. 729,000. 10 Claims. (Cl. 137—122.)

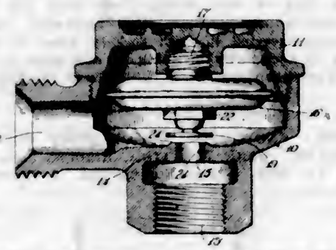
1. In a radiator vent valve, the combination of a body, a main valve for controlling the admission of steam from the radiator to the body, said valve being disposed in a normally closed position when the heating system to which the vent valve is connected is in operation and in a normally open position when said system is idle, a valve stem projecting upwardly in the body from the main valve, closure means ex-

tending over the upper end of the body and having a port, and a valve poppet carried by the upper end of the valve stem operative to prevent the ingress of air to



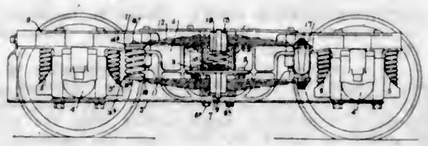
the body through the port when the main valve is open and to permit such ingress when the main valve is closed.

1,586,788. RADIATOR TRAP. CLAYTON A. DUNHAM, Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa, a Corporation of Iowa. Filed Sept. 4, 1923. Serial No. 660,839. 1 Claim. (Cl. 236—58.)



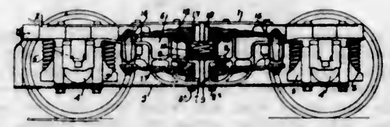
A radiator trap comprising a casing having inlet and outlet ports, a valve opening arranged in the casing between the inlet and outlet ports, there being an annular valve seat at the inlet end of the valve opening having a rounded valve-engaging surface, a hollow thermostatic disk comprising a pair of flexible diaphragms connected at their outer peripheral edges, the upper diaphragm being centrally adjustably mounted within the casing, whereby the disk is rigidly mounted opposite the valve opening with capacity for movement only toward or from the valve-seat in response to temperature changes, a socket member having a reduced portion fitting within a central opening in the lower diaphragm, a collar secured to this reduced portion within the disk, and a valve plate adapted to engage the valve seat when the disk is expanded, there being a ball member on the upper face of the plate fitting within the socket with capacity for universal movement therein, the lower edge of the socket member being inturned about the ball to prevent disengagement of the ball and socket.

1,586,789. RAILWAY-CAR TRUCK. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Winton Place, Ohio, a Corporation of Ohio. Filed Feb. 26, 1925. Serial No. 11,645. 12 Claims. (Cl. 105—192.)



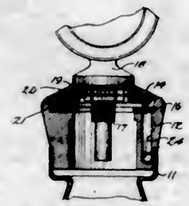
1. In a truck, the combination with a floating bolster and the truck frame proper, of a leaf spring, one of whose sections is secured to the bolster and the other to such frame, a spring connected to the sections of the leaf spring near one end and a link equipment connected to them near the other end, such connecting spring acting to resist lateral thrusts of the bolster and to return it to normal and such link equipment permitting these movements.

1,586,790. RAILWAY-CAR TRUCK. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Winton Place, Ohio, a Corporation of Ohio. Filed May 11, 1925. Serial No. 29,588. 9 Claims. (Cl. 105—192.)



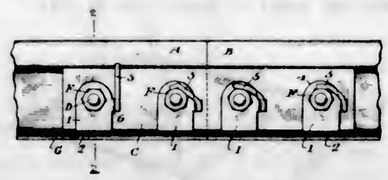
1. In a truck, the combination with a floating bolster and the truck frame proper, of a leaf spring, one of whose sections is secured to the bolster and the other to such frame, a link equipment connected to the sections of the leaf spring near each end thereof, such link equipment comprising two standards and a link through which the upper standard is supported by the lower standard, and acting to permit lateral thrusts of the bolster and the swinging return thereof.

1,586,791. LOCKING DEVICE FOR RADIATOR CAPS AND THE LIKE. STEPHEN FAITH and LOUIS HOFFNERG, Chicago, Ill., assignors, by direct and mesne assignments, of one-half to Faith Products Corporation, Chicago, Ill., a Corporation of Illinois, and one-half to Globe Specialty Company. Filed May 15, 1924. Serial No. 713,385. 9 Claims. (Cl. 220—24.)



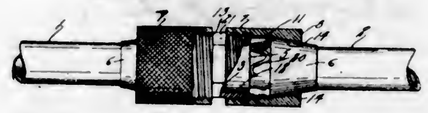
1. A radiator cap construction, comprising two members having relative rotary engagement with each other, and means disposed between said members for locking them against relative movement in one direction only, said means adapted to be removed by gravity when said members are shifted to an abnormal position.

1,586,792. NUT LOCK. EDWARD B. FLOWERS and NOAH E. STUMP, Akron, Ohio. Filed Mar. 26, 1926. Serial No. 97,627. 3 Claims. (Cl. 151—53.)



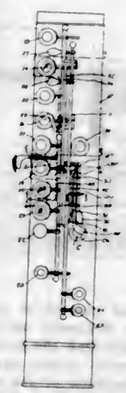
1. A nut lock comprising a plate having an aperture therein to fit over a bolt and having one edge angular to engage a fixed part and prevent rotation of the plate; and a finger extending from one side of the plate and bent into a plane at right angles thereto, said finger being adapted to be bent in a plane at an angle to the first bend and in a plane substantially parallel to the plane of the plate to engage at least one face of the nut and hold the same against rotation.

1,586,793. COUPLING. HARRY R. FOWLER, Toledo, Ohio. Filed Aug. 11, 1924. Serial No. 731,330. 1 Claim. (Cl. 285—126.)



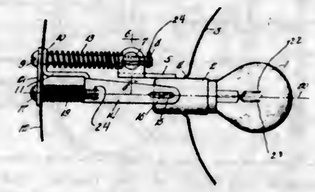
A pipe or conduit coupling comprising, in combination, an externally threaded sleeve member provided with an inwardly extending shoulder, a pipe having its end abutting said shoulder, a demountable wedge collar surrounding the pipe and spaced from said sleeve member, a collapsible member intermediate said wedge collar and sleeve end, adapted to provide a yielding abutment therebetween, and a clamping nut threaded on said sleeve member and having an internal wedge surface to engage the wedge collar to grip said pipe radially, collapse said intermediate member and shift said pipe longitudinally into positive engagement with said shoulder when said nut is tightened.

1,586,794. FLUTE. CHARLES B. GAGE, Cincinnati, Ohio. Filed June 18, 1923. Serial No. 646,098. 6 Claims. (Cl. 84—384.)



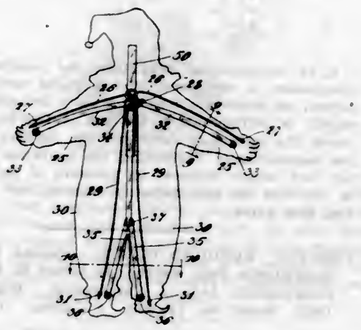
1. The combination with a device of the class described having a pair of apertures, a tampion for each aperture and means for actuating the tampions for opening and closing the apertures, said means being so related that an operator may slide his thumb over said means for effecting selective and joint operation of said means, of an auxiliary means for rendering one of the thumb operable means ineffective while an operator's thumb is operative upon both said first mentioned means.

1,586,795. FOCUSING DEVICE. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed May 9, 1925. Serial No. 29,038. 7 Claims. (Cl. 240—44.)



1. In a lamp, a reflector having a perforation, a lamp socket extending through the perforation, a stationary wall behind and spaced from the reflector, a pair of screws swiveled upon the wall, a nut threaded on one of the screws and pivoted on the socket; and a lever having rocking engagement with the wall, threaded engagement with the other screw and pivotal engagement with the socket; the pivotal connections of the socket to the nut and the said other screw being spaced longitudinally of the socket.

1,586,796. MOVABLE FIGURE TOY. JENNIE GOLD, Brooklyn, N. Y., and AGNES H. C. CREMER, Upper Montclair, N. J. Filed Sept. 27, 1922. Serial No. 590,762. 2 Claims. (Cl. 46—46.)

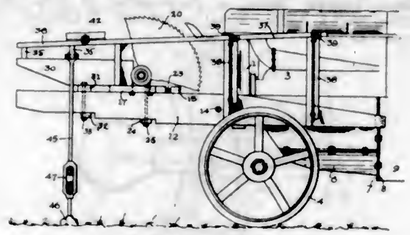


1. In a doll, in combination, a head; a body; a stiffening member within the head and the body; extended arm and leg members; a forwardly and inwardly positioned cord interior of each arm, one end of which is fixedly attached to the free end part of the arm, the other end of the cord passing outwardly through the body back, both arm cords being attached to each other outwardly of the device, so situated that the outward movement of the cords will cause the arms to move upwardly and inwardly toward each other, and rearwardly and outwardly positioned resilient means within each arm capable of returning the arm to its normal position when tension is released upon the cords.

1,586,797. SAWING ATTACHMENT FOR TRACTORS. LOUIE E. GULLIFORD, Bedford, Ohio, assignor, by mesne assignments, to Oliver W. Johnson, Geneva, Ohio. Filed Sept. 29, 1923. Serial No. 665,721. 4 Claims. (Cl. 143—43.)

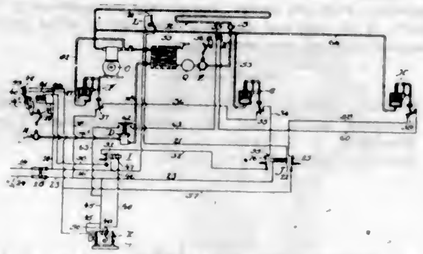
2. The combination with a tractor, of a frame supported at one end thereof and extending beyond the

same, a transverse arbor journaled thereto, means for driving said arbor from the tractor, a saw on said arbor



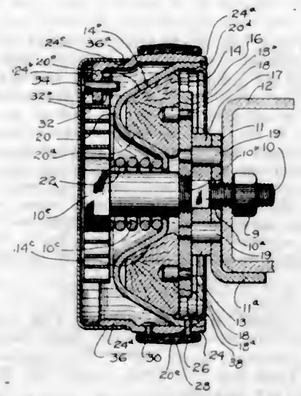
located outside the body of the tractor, and an L-shaped saw table carried by said frame and overlapping the end and side of said tractor.

1,586,798. REFRIGERATING APPARATUS. CHARLES C. HANSEN and HERBERT V. HANSEN, Forest Park, Ill., assignors to Refrigerating Specialties Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1921. Serial No. 505,150. 6 Claims. (Cl. 62—4.)



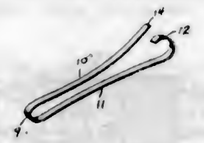
1. In refrigerating apparatus, the combination of a compressor, a refrigerant line, a liquid receiver, a condenser, an automatic expansion valve for controlling the supply of refrigerant to the line, a free-flow valve between the expansion valve and the receiver, mechanism for automatically controlling the operation of the motor, and means operated by pressure of the refrigerant in the line for automatically opening and closing said free flow valve.

1,586,799. REBOUND CHECK. ROBERT H. HASSLER, Indianapolis, Ind., assignor to Robert H. Hassler, Inc., Indianapolis, Ind., a Corporation. Filed Dec. 27, 1924. Serial No. 758,453. 4 Claims. (Cl. 267—10.)



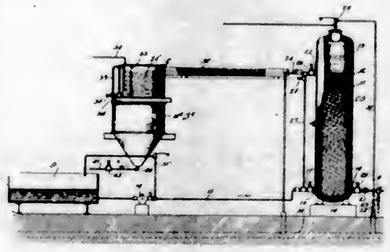
1. In a rebound check, an element which performs simultaneously the double function of a hub bearing and of a frictional member, said element being provided with a pair of conical surfaces, one inverted with respect to the other, and strap means for operating said rebound check.

1,586,800. HAIR-RETAINING DEVICE. KENNETH L. HEATH, Edmonds, Wash. Filed Dec. 14, 1925. Serial No. 75,373. 4 Claims. (Cl. 132—41.)



1. A hair-retaining device formed of a strip of resilient material bent upon itself to form two bars arranged one above the other, the free end portion of one bar terminating in a hook-shaped member and the other bar being of a length to cause its free end portion to come in contact with such member when said bars are pressed toward each other, and means on the under surface of the hook-shaped member and the outer surface of the second-named bar for removably interlocking the two bars together when said second-named bar has been forced past the end of said hook-shaped member, the inner and outer surfaces of said second-named bar being approximately in alignment with the corresponding surfaces of the free end portion of the hook-shaped member when the parts are in said interlocked relation.

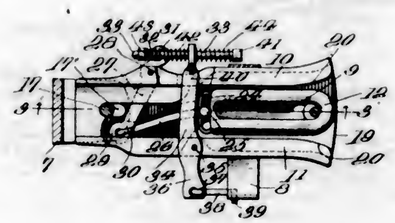
1,586,801. METHOD OF AND APPARATUS FOR CONTINUOUSLY SEPARATING PETROLEUM SLUDGE. INGENUIN HECHENBLEIKNER and THOMAS C. OLIVER, Charlotte, N. C. Filed Mar. 20, 1923. Serial No. 626,272. 16 Claims. (Cl. 196—148.)



1. In a continuous process of separating acid sludge obtained from the treatment of petroleum, the steps which consist in subjecting the acid sludge to the action of steam under pressure greater than atmospheric to obtain a chemical separation of the sludge into its hydrocarbon and acid components, in withdrawing from the acid sludge while under treatment the said components in a chemically separated but mechanically intermixed state, and in then effecting a physical separation of said components.

1,586,802. DRAWHEAD-OPERATED LINK COUPLER. FRANK W. HENRIKSON, Mulberry, Kans. Filed Dec. 21, 1923. Serial No. 682,033. 9 Claims. (Cl. 213—188.)

1. In a combination with a railway vehicle, a drawhead mounted on said vehicle and adapted to have a longitudinal movement with regard thereto upon colliding contact with another vehicle, a coupling element mounted in said drawhead, and devices connected to said

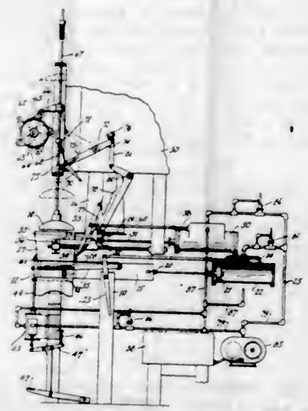


drawhead to move said coupling element upon such longitudinal movement of said drawhead and in the opposite direction thereto.

1,586,803. PROCESS OF POLYMERIZING VINYL ESTERS. WILLY O. HERRMANN and ERICH BAUM, Munich, Germany, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Filed Aug. 8, 1925, Serial No. 49,104, and in Germany Aug. 13, 1924. 20 Claims. (Cl. 260—2.)

1. The process of polymerizing vinyl esters in the presence of water.

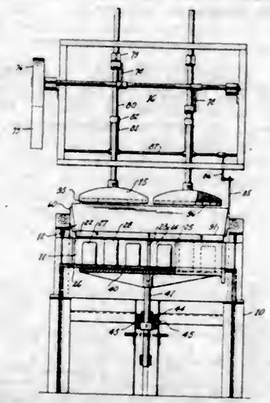
1,586,804. BRICK MACHINE. ARNOLD J. HESKETT, Rex, Oreg. Filed Feb. 26, 1925. Serial No. 11,638. 25 Claims. (Cl. 25—41.)



1. A block making machine comprising a frame, tampers, a hopper slidably mounted on said frame, means for passing plastic material into said hopper, block molds mounted on said machine, means for sliding said hopper forwardly and rearwardly, and means for elevating said tampers as said hopper is slid rearwardly.

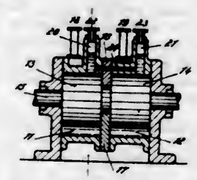
1,586,805. BLOCK-MAKING MACHINE. ARNOLD J. HESKETT, Rex, Oreg. Filed Mar. 19, 1925. Serial No. 16,600. 24 Claims. (Cl. 25—41.)

1. A block making machine comprising a frame, a tamper, a hopper slidably mounted on said frame, means for passing plastic material into said hopper, block molds mounted on said machine, means for moving said hopper,



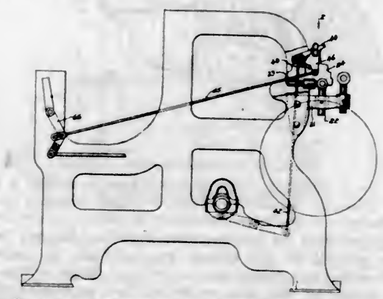
and means adapted to be set in motion by said hopper for operating said tamper.

1,586,806. ROTARY PUMP. WALTER HOHAGEN, Falkensee, near Spandau, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, and elsewhere, Germany, a Corporation of Germany. Filed Nov. 13, 1924, Serial No. 749,653, and in Germany Nov. 26, 1923. 3 Claims. (Cl. 230—30.)



1. A multiple rotary pump having adjacent pump chambers and commonly driven piston rotors disposed thereon, an intake and a discharge port for each chamber and a storage chamber connected to each discharge port and containing sealing liquid, and means for connecting the several storage chambers to equalize the sealing liquid in said storage chambers.

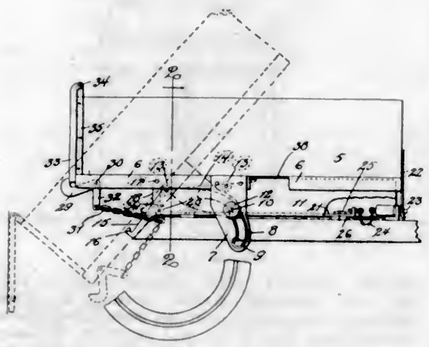
1,586,807. WARP STOP MOTION. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 28, 1923. Serial No. 648,373. 6 Claims. (Cl. 139—360.)



1. In a warp stop motion, an end frame, a plurality of vibrator bars of non-circular cross section, bushings for

said bars rotatable in said frame, means to hold said bushings in said frame, and additional means to hold said bars in said bushing.

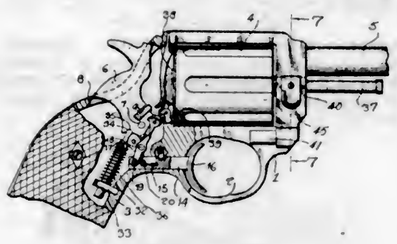
1,586,808. DUMPING TRUCK. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Nov. 10, 1923, Serial No. 673,884. Renewed Apr. 22, 1926. 4 Claims. (Cl. 298—12.)



1. A dumping truck comprising a chassis and a body having a tilting and sliding engagement therewith, said body being releasably held in horizontal position by a front-end latch and a rear-end pivoted leg; and a single unlocking lever arranged to release said body by displacing said latch and leg.

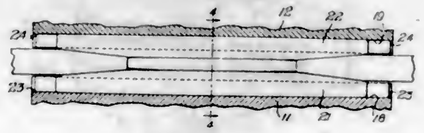
1,586,809. [WITHDRAWN.]

1,586,810. FIREARMS. ISAACK N. JOHANSSON, Seattle, Wash. Filed May 4, 1925. Serial No. 27,962. 5 Claims. (Cl. 42—65.)



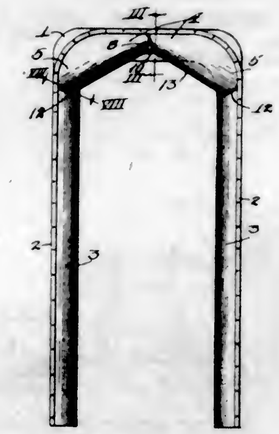
1. In a fire arm of the revolver type, a frame, a hammer pivotally mounted therein, a trigger slidably mounted therein, a double action lever, a single action locking means carried by the hammer, a sliding trigger, and a sear pivoted to the trigger and adapted for co-action with either the double action lever or single action locking means at will, and means to limit movement of the trigger in the cooperation of the sear with the single action locking means.

1,586,811. METHOD OF COVERING CORES. ARCHIE R. KEMP, Towaco, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,542. 13 Claims. (Cl. 18—59.)



1. The method of extending a vulcanized sheathing over a core, which consists in placing a batch of plastic material in tangential contact with the core and the sheathing and completely spreading the material from such contact over and expelling air from the surface of the core.

1,586,812. CAR DIAPHRAGM. NICHOLAS J. KLOS, Chicago, Ill., assignor to Morton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 30, 1925. Serial No. 59,498. 7 Claims. (Cl. 105—18.)



1. A car diaphragm unit comprising a pair of leg sections and a unitary top section folded and stitched transversely at its middle portion to permit the end portions to be secured with a single joint to the upper ends of the leg sections.

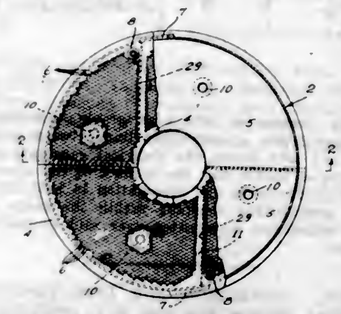
1,586,813. FLASH IGNITER. OSCAR J. LEINS, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 12, 1923. Serial No. 680,185. 15 Claims. (Cl. 158—115.)

15. In a device of the class described, a relatively stationary valve member for connection with a source of fuel supply, a relatively movable valve member rotatably seated therein, said relatively movable valve member having an internal valve seat, a valve member

cooperable with said seat, said last valve member having a projecting stem, an arm pivoted to the relatively

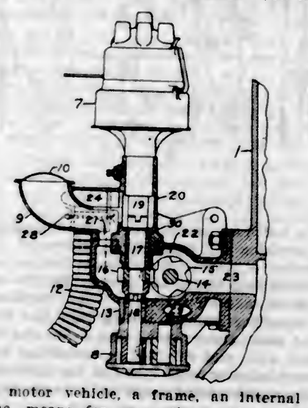
movable valve member and adapted for turning same in the relatively stationary valve member, said arm holding said projecting stem against rotation.

1,586,814. CALANDRIA FOR EVAPORATORS OF SUGAR MILLS. ALBERT P. LEONARD, New York, N. Y. Filed Mar. 17, 1924. Serial No. 699,792. 10 Claims. (Cl. 159—27.)



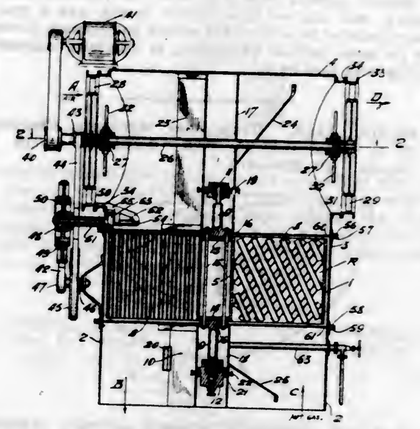
10. A calandria having a closed heating chamber therein, a downtake extending through said chamber, a steam inlet in the wall of said chamber, a baffle in said chamber forming a steam passage leading from said inlet, an outlet for said passage at the end thereof opposite said inlet, and a plurality of circulation pipes in said chamber between said inlet and outlet, said pipes being arranged to provide an unobstructed passageway, from said inlet along said baffle.

1,586,815. INTERNAL-COMBUSTION ENGINE. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich., a Corporation of New Jersey. Filed Aug. 11, 1923. Serial No. 656,942. 9 Claims. (Cl. 121—194.)



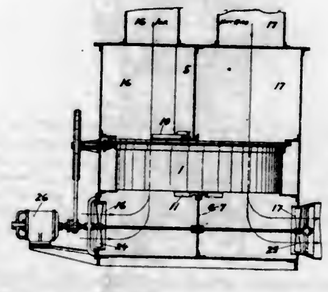
1. In a motor vehicle, a frame, an internal combustion engine, means for supporting said engine in said frame, a dust shield between said engine and said frame, a hollow member secured to said engine and having a passage communicating with the interior of the crank-case of said engine, said member having an opening exterior of said crank-case, a cap for said opening, a second opening in said member exterior of said crank-case, and means for extending said second opening to a point below said dust shield, said opening providing an open communication from said crank case to the atmosphere.

1,586,816. REGENERATIVE AIR OR GAS PRE-HEATER. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 3, 1922, Serial No. 579,544, and in Sweden Oct. 11, 1921. 22 Claims. (Cl. 257—244.)



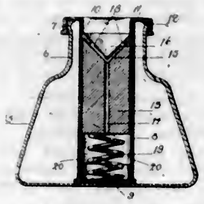
1. A regenerative heater comprising rotatable regenerative material, a fan to cause a relatively cold gas to pass through said regenerative material, a fan to cause a relatively hot gas to pass through said regenerative material, and common driving means to drive the fans and rotate the regenerative material.

1,586,817. REGENERATIVE AIR PREHEATER. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 3, 1922, Serial No. 579,543, and in Sweden Sept. 1, 1921. 6 Claims. (Cl. 257—244.)



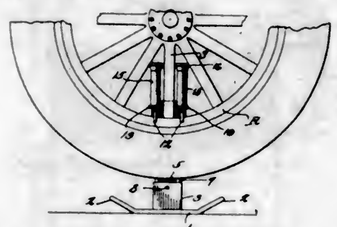
1. A regenerative heater comprising a first channel for a fluid, a second channel for a fluid, a regenerative material, means for effecting a relative motion between said channels and said material and means to pass fluid from the first channel through the part of the material which is about to enter said channel and into the second channel.

1,586,818. INKWELL. ALBERT C. LOUGH and EDWARD MANN, Detroit, Mich. Filed Jan. 9, 1924. Serial No. 685,114. 7 Claims. (Cl. 120—61.)



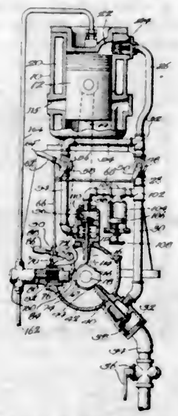
1. In a device of the character described, a cylinder, a plunger operable in said cylinder and provided with a central duct and an outer conical socket, and a receptacle mounted in said socket having passageways formed on its inner surface terminating in apertures communicating with said duct.

1,586,819. JACK. HENRY IVEY MCDUFFIE, Charlotte, N. C. Filed Oct. 20, 1925. Serial No. 63,716. 6 Claims. (Cl. 254—94.)



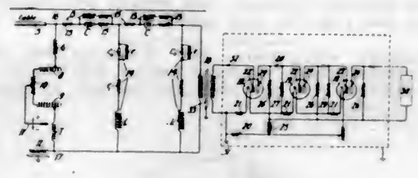
1. A jack including a standard, laterally extending means thereon for engaging and straddling the felly of a wheel, and means carried by said laterally extending means for wedging between the spokes of the engaged wheel.

1,586,820. OIL-ENGINE STARTER. BLAIR A. MCFARLANE and MORRIS J. GOLDBERG, Beloit, Wis., assignors to Fairbanks, Morse & Co., Beloit, Wis., a Cerporation of Wisconsin. Filed May 27, 1922. Serial No. 564,120. 9 Claims. (Cl. 60—16.)



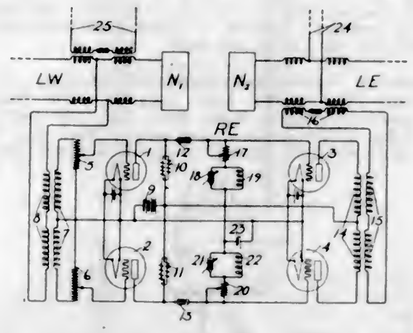
1. In a reciprocating oil engine, non-internal combustion means for starting initial rotation of the engine, means associated with a supply of compressed air for measuring off a pre-determined quantity of compressed air, and valve means operated by the movement of the engine for admitting said air to the combustion space of the engine cylinder during part of a compression stroke.

1,586,821. RECEIVING SYSTEM FOR TELEGRAPHIC SIGNALS. ROBERT C. MATHES, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 19, 1918, Serial No. 240,792. Renewed Mar. 27, 1925. 30 Claims. (Cl. 178—63.)



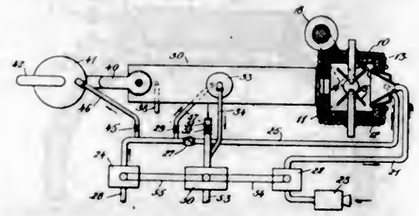
1. The combination with a telegraph conductor, of a responsive device, a connecting line between said conductor and said device, the electrical constants of said line being so chosen that the product of the attenuation in said conductor by the attenuation in said line shall remain substantially constant within the range of signaling frequencies transmitted over said conductor and said line.

1,586,822. CORRECTION FOR LINE DISTORTION. ROBERT C. MATHES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,760. 8 Claims. (Cl. 178—44.)



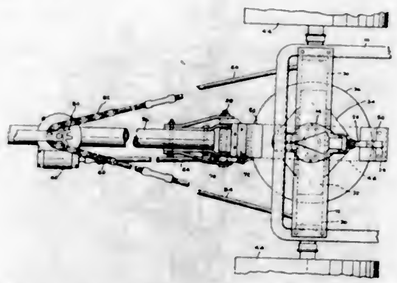
1. In a multiplex carrier wave signaling system, a line having provision for transmitting thereover a series of carrier waves of respectively different frequencies, the attenuation of said line being greater for the higher frequency waves than for the lower, a unidirectionally transmitting amplifier assaciated with said line for amplifying all of said carrier waves, and a common means also associated with said line for compensating for the unequal attenuation of said waves of the different frequencies, said amplifier being connected between said line and said means.

1,586,823. PROCESS OF PRODUCING NITROGEN COMPOUNDS AND APPARATUS THEREFOR. EDWIN S. MATTHEWS, New York, N. Y. Filed Aug. 29, 1917, Serial No. 188,736. Renewed Oct. 23, 1925. 6 Claims. (Cl. 23—163.)



1. Synthesizing oxygen and nitrogen by heating air under pressure maintaining the pressure, absorbing heat from the product while still under pressure, and utilizing the absorbed heat for producing the pressure on the air and said products.

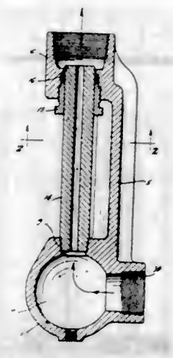
1,586,824. STEERING MECHANISM FOR GRADING MACHINES. CLARENCE A. MENTZER, Minneapolis, Minn., assignor to Stockland Road Machinery Company, Minneapolis, Minn., a Corporation. Filed Sept. 23, 1925. Serial No. 58,040. 2 Claims. (Cl. 280—33.6.)



1. In combination with the frame of a grading machine, a tubular draft post carried by said frame, a front axle journaled on said draft post for swinging movement in a horizontal plane, a supporting member carried by said axle, a draw bar attached to said supporting member by a horizontal pivot, a vertical shaft extending through said tubular post, a forwardly extending shaft, gears connecting the lower end of said vertical shaft and the rear end of said forwardly extending shaft, worm gearing mounted on said draw bar, the worm of said gearing being secured to the forward end of said last mentioned shaft, flexible connections extending from the worm gear of said gearing to said axle for swinging the latter, an elbow shaped bearing having a horizontal portion in which the rear portion of said last mentioned shaft is mounted, and having a vertical portion swiveled on the lower end of said tubular post, and means connecting said supporting member and said bearing for causing said draw bar and said last mentioned shaft to swing together.

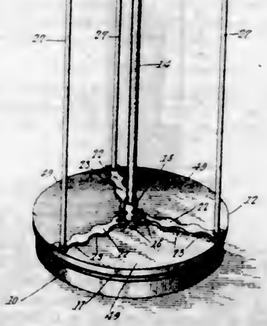
1,586,825. FLOW NOZZLE. WILLIAM MEREDITH, Huntington Beach, and WALTER L. FOSTER, Whittier, Calif., assignors of one-third to Stephen A. D. Cox, Huntington Beach, Calif. Filed Apr. 16, 1924. Serial No. 706,989. 2 Claims. (Cl. 137—75.)

2. A flow nozzle comprising a unitary frame having spaced caps fixed in position thereon and having aligned nipple receiving openings, a nipple longer than the distance between said openings insertable through the side of said frame, means to detachably and tightly secure said nipple to one of said caps, the opening in the other cap being of such dimension and contour as to permit the other end of said nipple to be slipped therein so that it



may be backed therein upon detachment of the other end from the cap and tilted, and a joint closure member detachably mounted in said cap about the slip end of said nipple, whereby said nipple may be detached from said first mentioned cap, moved longitudinally, tilted and removed laterally from said frame.

1,586,826. DISPLAY RACK. FRANK MICHELBACH, Del Ray, Va. Filed Apr. 7, 1922. Serial No. 550,386. 10 Claims. (Cl. 211—18.)

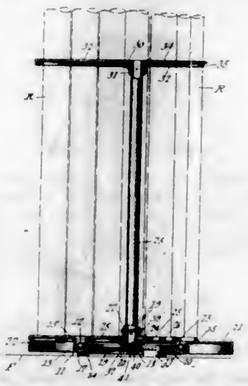


1. A rug display rack including a platform, an axial shaft carried by the platform, a supporting member secured to the shaft and spaced from the platform, radially disposed arms carried by the supporting member, said arms having opposed longitudinal edges for the reception of rolled rugs, and means for securing rolled rugs to the said arms.

1,586,827. RUG-DISPLAY RACK. FRANK MICHELBACH, Del Ray, Va. Filed Jan. 9, 1923. Serial No. 611,587. 4 Claims. (Cl. 211—18.)

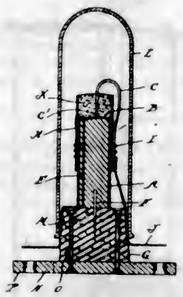
1. A display rack including a stationary member, a rotatable member, anti-friction means interposed between the stationary member and the rotatable member to rotatably support the rotatable member upon the station-

ary member, a securing device carried by one of the said members and positioned to engage the opposed member when the rotatable member has been moved from operative engagement with the anti-friction means thereby



securing the stationary member to the rotatable member, said securing device arranged to disengage the opposed member when the rotatable member operably engages the anti-friction means.

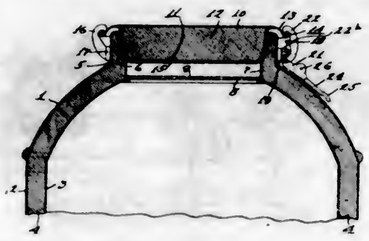
1,586,828. RADIODETECTOR. ANDREW H. MILLER, Detroit, Mich. Filed Nov. 26, 1923. Serial No. 677,154. 1 Claim. (Cl. 250—31.)



A radio detector comprising a tubular container filled with a low fusing alloy, a crystal embedded in said alloy at one end of said container, a pin projecting from the other end, an insulating tube sleeved on said container and projecting above said crystal, a U-shaped conductor having one end secured to said tube and the other end contacting with said crystal, insulating cementitious filling within said tube above said crystal for permanently holding said conductor in contact with said crystal, a supporting member for receiving the projecting portion of said pin, and a tubular container secured to said supporting member surrounding said tubular container and spaced therefrom.

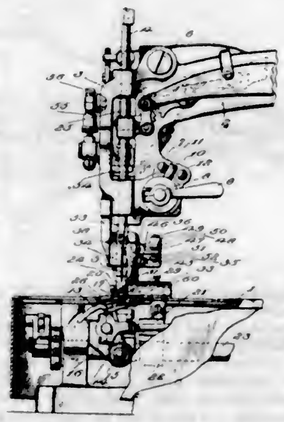
1,586,829. REFRIGERATOR CAN. ARTHUR MILLER, Chicago, Ill., assignor to Solar-Sturges Mfg. Co., a Corporation of Illinois. Filed Dec. 5, 1921. Serial No. 520,047. 1 Claim. (Cl. 220—65.)

A can having a mouth, a cover approximately fitting said mouth, a lever pivoted to the can adjacent the mouth, a link connected to said lever, and projections on said link adapted to engage the upper and under side of the cover respectively, whereby when the lever is



moved in one direction the cover is forced into the mouth of the can and when the lever is moved in the other direction the cover is forced out of the mouth of the can.

1,586,830. TRIMMING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1921. Serial No. 507,443. 11 Claims. (Cl. 112—126.)

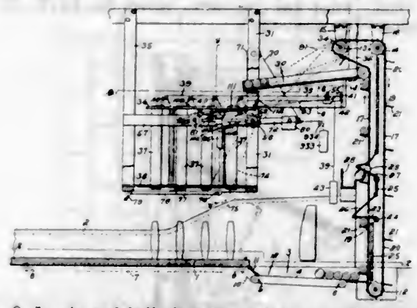


1. The combination with stitch forming mechanism including a reciprocating needle, of a trimming mechanism comprising a stationary ledger blade, a movable blade cooperating therewith, a reciprocating support for said movable blade including devices whereby the blade is yieldingly forced laterally against the stationary ledger blade, and means for bodily shifting said support for the movable blade on its reciprocating means in a direction at right angles to the line of reciprocation of said blade supporting means so that said blade may be positioned for cooperation with stationary trimming blades of different widths.

1,586,831. PIN-SETTING MECHANISM. JOHN F. MURPHY, Middleboro, Mass. Filed July 6, 1925. Serial No. 41,536. 21 Claims. (Cl. 273—43.)

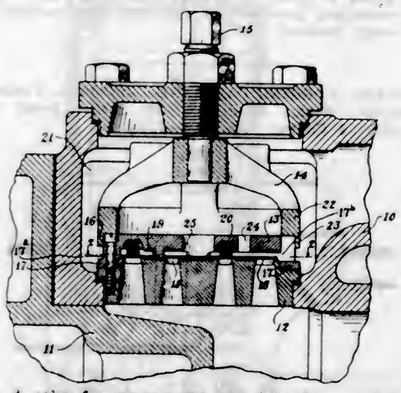
1. Pin setting apparatus comprising alley sweeping mechanism, longitudinally acting pin conveying mechanism to receive the pins from the sweeping mechanism, pin

elevating means, a pin magazine, a group of individually and collectively operable pin setting boxes, means to lower the boxes and pins, and to set the pins therefrom.



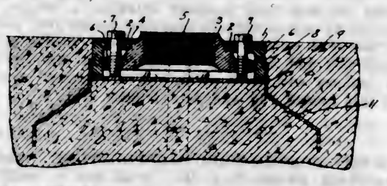
8. In pin and ball elevating means, an endless carrier, pin and ball holding members thereon, and movable ball delivering means adjacent the carrier for pushing the ball therefrom.

1,586,832. COMPRESSOR VALVE. ELLIS NATHAN, Easton, Pa., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 1, 1925. Serial No. 19,905. 8 Claims. (Cl. 251—119.)



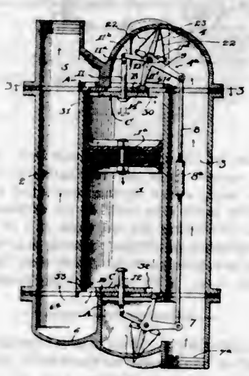
5. A valve for compressors comprising in combination, a valve seat, a cover plate, valves disposed between them, and means located at the peripheries of said seat and plate for retaining them together, said seat and plate having coacting flange rings at their peripheries permitting the fluid being compressed to pass between one of said flanges and the cover plate.

1,586,833. ANCHORING DEVICE FOR HAND RAILS AND THE LIKE. ROY E. NICHOLSON, Detroit, Mich. Filed Apr. 3, 1924. Serial No. 703,862. 6 Claims. (Cl. 72—105.)



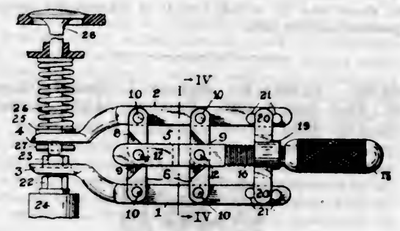
1. An anchoring device for the purpose stated comprising a base adapted to be embedded in concrete, said base being of hollow form and having an apertured face practically flush with the concrete surface, a retainer in the base having a threaded aperture to receive a pipe or the like, and means for fixedly positioning the retainer with the axis of the threaded aperture at any one of a number of angles to the face of the base.

1,586,834. METER. ELON A. ORMSBY, Centerville, Calif., assignor to Augusta N. Ormsby, Centerville, Calif. Filed Feb. 27, 1925. Serial No. 12,021. 2 Claims. (Cl. 73—30.)



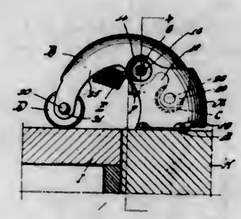
1. In a meter, the combination of a cylinder having inlet and outlet ports at each end, an inlet passage communicating with the inlet ports, an outlet passage communicating with the outlet ports, and a floating piston in the cylinder, a slide valve at each end of the cylinder, operating transversely of the cylinder to open and close said ports, an operating mechanism for said valves, including a pin projecting into each end of the cylinder and adapted to be struck by the piston, bell cranks at opposite ends of the cylinder and engaging the valves respectively, means connecting said bell crank to operate the same simultaneously and yielding connections between the pins and the bell cranks.

1,586,835. VALVE-SPRING LIFTER. PHILIP PALMGREEN, McKeesport, Pa. Filed Oct. 10, 1925. Serial No. 61,710. 9 Claims. (Cl. 29—86.3.)



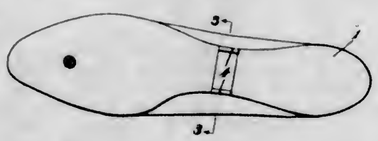
1. In a valve-spring lifter, the combination of a pair of parallel jaw-members, a thrust-shaft interposed between the same, parallel link connection between said jaw-members and said thrust-shaft, a screw extending axially from the rear end of said thrust-shaft, and a nut member engaged by said screw, and connections between said nut member and the jaw members whereby said jaw members are capable of movement towards and from each other but are prevented from longitudinal movement.

1,586,836. DOOR CATCH. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 12, 1924. Serial No. 737,295. 8 Claims. (Cl. 292—79.)



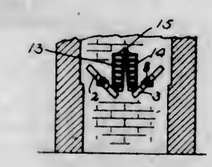
1. In a device of the character described, a support, a longitudinally curved lever pivoted between its ends and having a front wall, and a spring connected to said lever for throwing the same into each of its extreme positions, said front wall extending beyond each end of said spring and said spring being positioned behind said wall, whereby said spring is concealed from front view by said front wall when said lever is in door holding position.

1,586,837. SHOE LAST. WILLIAM P. PERKINS, Auburn Me., assignor of one-fourth to Stephen O. Jellerson and one-fourth to J. Garfield Walker, both of Norway, Me., and one-fourth to Irving J. Harmon, Casco, Me. Filed Jan. 10, 1925. Serial No. 1,688. 3 Claims. (Cl. 12—141.)



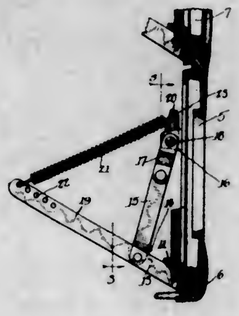
1. Means for temporarily positioning an insole on the metal bottom of a McKay last with its edge contour in predetermined relationship to the edge contour of the last bottom, comprising a plate mounted on the last bottom to extend transversely thereacross at the shank of the last and having oppositely disposed upstanding ribs located at the lateral edges of the last bottom and between which ribs the insole is adapted to be pressed from above and by which ribs it is frictionally retained in position on the last.

1,586,838. FURNACE. EDWARD J. PERREY, Chicago Ill. Filed June 3, 1925. Serial No. 34,574. 5 Claims. (Cl. 126—162.)



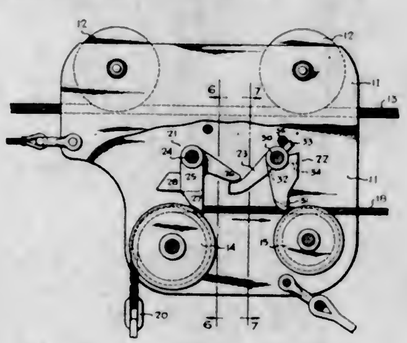
5. A furnace provided with a grate having a horizontal section mounted to turn upon an axis intermediate its sides and an upright section in articulated connection at its lower end upon one side of said axis, and means for guiding movement of the upper end of said upright section.

1,586,839. COUNTERBALANCING DEVICE FOR OVEN DOORS. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Feb. 16, 1925. Serial No. 9,547. 11 Claims. (Cl. 126—191.)



1. A counterbalancing device for oven doors comprising a toggle having one arm pivoted to the door eccentrically of its turning axis and the other arm pivoted to turn on a fixed axis, a contractile spring, and means including a pair of levers of which the arms of the toggle form parts operatively connected by said spring and acting to resist the flexing of the toggle and thereby restraining movement of the door from upright to horizontal position.

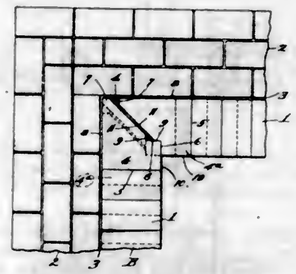
1,586,840. LOGGING CARRIAGE. JULIUS A. PIERSON, Seattle, Wash. Filed Jan. 28, 1925. Serial No. 5,286. 3 Claims. (Cl. 212—110.)



1. In a load holding device of the class described, a carriage, sheaves in said carriage, a load lifting line carried on said sheaves, a linked chain section in said load lifting line, a pivotally mounted load holding dog having a substantially vertical bifurcated arm that fits over and is arranged to engage with said chain and having an arm that projects sidewise, a tripper dog arranged to engage beneath said last named arm, another dog having a limited pivotal movement relative to said tripper dog and having a bifurcated end that fits over and engages with said chain and a common pivot for said last named dog and said tripper arm.

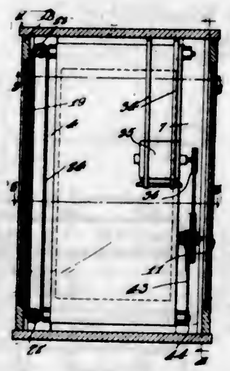
1,586,841. CORNER-WALL CONSTRUCTION. GEORGE P. REINTJES, Kansas City, Mo. Filed Dec. 7, 1925. Serial No. 73,699. 5 Claims. (Cl. 72—37.)

1. A corner wall construction, comprising courses of generally triangular tiles, the hypotenuse sides of the tiles of the two walls forming the corner, being parallel and spaced slightly apart, alternate tiles of each wall



overhanging at their hypotenuse edges the corresponding edges of the other tiles of the same wall.

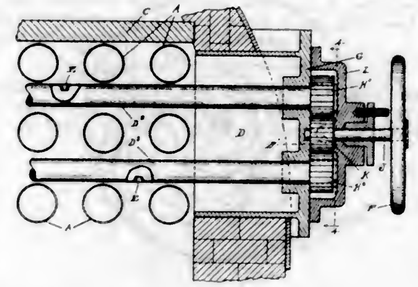
1,586,842. ADVERTISING MACHINE. GEORGE M. RHONE, Brownwood, Tex., assignor of one-half to J. W. McFarland, Brownwood, Tex. Filed Nov. 1, 1923. Serial No. 672,197. 1 Claim. (Cl. 40—32.)



In an advertising machine, a cabinet including a top, a base post connecting the top and the base, a first pair of upper and lower rollers journaled on the posts, a second pair of upper and lower rollers journaled on the posts and disposed approximately parallel to the rollers of the first pair, a third pair of upper and lower rollers journaled on the posts and disposed between the rollers of the first and second pairs and substantially at right angles thereto, endless conveyors engaged about the rollers of the pairs, a hanger mounted upon the top of the cabinet, a motor carried by the hanger and disposed between two of the conveyors, intermeshing beveled pinions on the upper roller of the third pair and on the upper roller of the second pair, a member rotatable on the cabinet, diverging belt connections between said member and the lower rollers of the first and second pairs, and means for connecting the outer end of the motor operatively with the rotatable member.

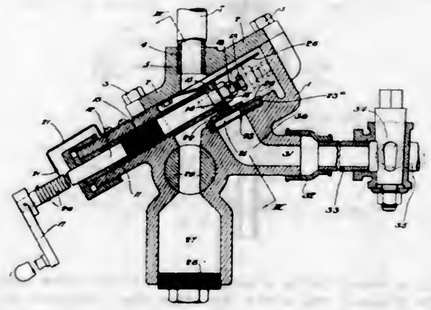
1,586,843. BOILER CLEANER. JOSEPH C. RICHARDS, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, a Corporation of Michigan. Filed Nov. 23, 1918. Serial No. 263,818. 4 Claims. (Cl. 122—392.)

1. In a boiler cleaner, the combination with rows of spaced boiler tubes, of a pair of rotatable blower pipes extending between adjacent rows of said tubes, having jets for discharging a cleaning fluid against the surfaces of the tubes, a fluid supply chamber for said pipes at one



end of the same, a common drive mechanism for said pipes within said chamber, and actuating means for said mechanism exterior to said chamber.

1,586,844. VALVE. ALBERT V. RIGBY, Sharon, Pa. Filed Mar. 24, 1921. Serial No. 455,179. 3 Claims. (Cl. 251—55.)

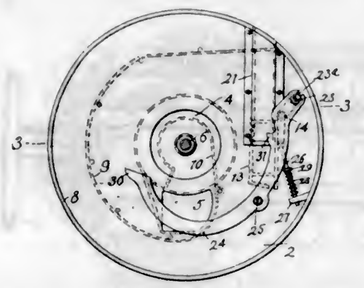


2. A valve comprising a casing provided with inlet and outlet passages, said outlet passage being counterbored to form a recess having beveled side walls, a one piece disk shaped seat having a beveled side wall forced into said recess so as to form a tight and self retaining fit with the side walls thereof, said seat being provided with a substantially triangular outlet port, a slide valve slidably mounted in a suitable guideway in said disk shaped valve seat, a spring secured to said casing and adapted to apply a downward pressure against said valve to hold said valve in said guideway, and adjustable means for limiting the forward movement of said valve.

1,586,845. CORN-POPPING DEVICE. WILLIAM D. ROOT, Cleveland, Ohio, assignor to The Machinery Improvement Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 13, 1923. Serial No. 645,065. 12 Claims. (Cl. 53—4.)

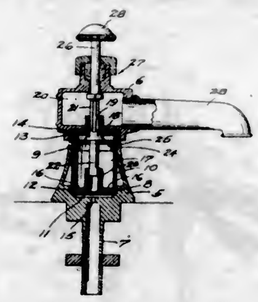
4. A popping device comprising a cylinder rotatable about a horizontal axis, said cylinder having side walls and a peripheral wall upon which the corn is supported during the popping operation, means for separat-

ing the popped corn and discharging the same during the rotation of the cylinder, and means for discharging the unpopped corn at the end of the popping operation



comprising a discharge chute carried by a side wall of the cylinder, the cylinder and means for delivering the unpopped corn to said chute.

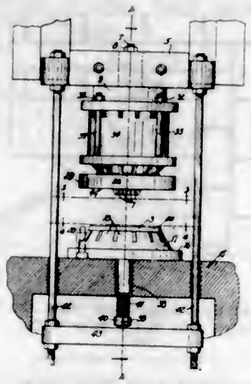
1,586,846. FAUCET. JAMES C. ROSS, Seattle, Wash. Filed May 21, 1924. Serial No. 714,762. 1 Claim. (Cl. 137—93.)



In a faucet having a body formed of two hollow members disposed one above the other and separably connected together, a disk provided with a port affording communication between the chambers of the respective body members, a valve for said port, a stem and a plunger element extending from the valve and disposed respectively above and below the latter, said stem being guided by said port, a second disk provided with a bored boss element, said plunger fitting within the bore of said boss, a cylinder having an imperforated peripheral wall interposed between said disks and maintaining the same in spaced apart relations with each other, a piston operating in the cylinder and movable with said valve, apertures provided in the second-named disk and in said piston respectively to provide water inlets and exits for the space below the piston within said cylinder, a spout outlet for the upper of said body members, and means extending into said body for effecting the opening movement of the valve with respect to said port.

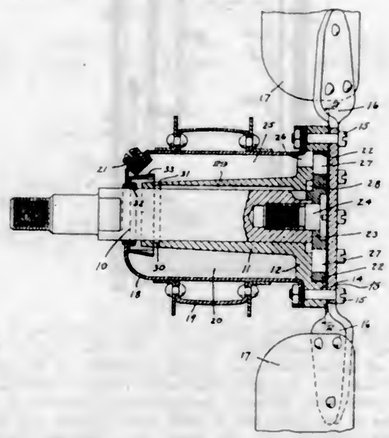
1,586,847. PRESS. OSWALD SCHLAUPITZ, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed May 3, 1924. Serial No. 710,948. 8 Claims. (Cl. 164—90.)

1. In a press comprising a die, a reciprocable head, punches pivotally mounted in said head, and a mandrel slidable in said head for operating said punches, stripper mechanism for said punches comprising a plurality of reciprocable fingers each in alinement with one of said



punches and inclined toward said punch, whereby the upward movement of said fingers causes them to engage the punches and swing them clear of the work.

1,586,848. FAN CONSTRUCTION. LOUIS SCHWITZER, Indianapolis, Ind. Filed May 15, 1924. Serial No. 713,547. 2 Claims. (Cl. 308—17.)

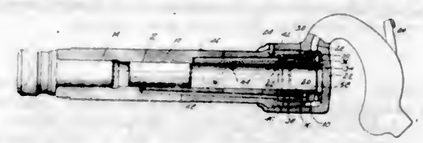


1. In a fan structure, a stationary member, a rotatable member adapted to rotate with respect thereto, one of said members having a lubricant chamber, an impeller mounted on one of said members, comprising a plurality of curved impeller blades arranged so as to provide curved passageways therebetween said passageways being in communication with the lubricant chamber at intervals during the relative rotation between said members, whereby lubricant may pass from said chamber into said curved passageways and be carried thereby to the bearing surfaces between said members for lubricating the same.

1,586,849. FLUID-PRESSURE-ACTUATED TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Dec. 15, 1920. Serial No. 430,890. 16 Claims. (Cl. 121—24.)

1. In a fluid-pressure-actuated tool, having a reciprocating piston, means including a valve for delivering live

motive fluid to reciprocate the piston, and means controlled by said valve so as to be operative during the



latter portion of the return stroke of the piston to cut down the pressure returning the piston, said means being inoperative during the entire forward stroke.

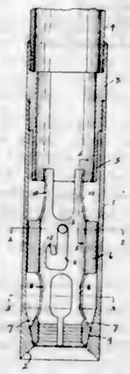
1,586,850. METHOD OF MOLDING PHENOLIC CONDENSATION PRODUCTS. FRANKLIN S. SMITH, Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 15, 1920. Serial No. 410,456. 11 Claims. (Cl. 18—55.)

1. The method of making a molded article of a condensation product which consists in uniformly preheating a powdered mass of product "A" to just below its transition temperature, introducing it into a mold, and subjecting it to pressure and increased temperature to transform the product "A" into molded condensation product.

1,586,851. BRACELET HOOK. EDWARD H. SPETTIGUE, Attleboro, Mass., assignor to J. M. Fisher Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Dec. 9, 1924. Serial No. 754,700. 4 Claims. (Cl. 24—233.)

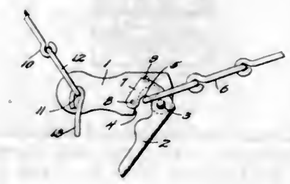
1. A bracelet hook formed of sheet stock having a body member bent at one end to form a hook and having side walls adjacent its opposite end, and a separate hook-closing member having a body portion fixed between said side walls, and a hook closing tongue portion connected to the body by a resilient neck portion extending sharply inwardly toward the back of the hook member to yieldingly press its free end against that of the hook.

1,586,852. PIPE PULLER. JAMES E. STALSBY and JOHN R. MARTIN, Houston, Tex., assignors to W-K-M Company, Houston, Tex., a Corporation of Texas. Filed Oct. 10, 1924. Serial No. 742,918. 2 Claims. (Cl. 294—102.)



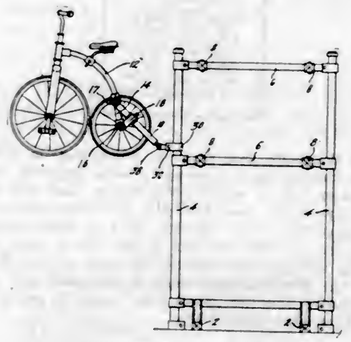
1. A pipe puller including a tubular guide having an inwardly converging seat and being flared beneath said seat, an annular jaw carrier within said guide, a plurality of jaws depending therefrom and connected thereto by means of flexible arms, the outer sides of said jaws having a taper corresponding to the taper of said seat, a plurality of flexible pipe gripping fingers projecting upwardly from said carrier, said carrier being provided with a vertical bearing whose lower end is formed with a lateral notch and a stud carried by the guide and projecting inwardly into said bearing.

1,586,853. TIRE-CHAIN FASTENER AND LOCK. SAMUEL E. STANLEY, Falls of Rough, Ky. Filed Nov. 19, 1925. Serial No. 70,045. 4 Claims. (Cl. 24—242.)



1. In tire chain fasteners, means for engaging and tightening the chain and a lock forming an integral part of the chain and operable by its tension to prevent accidental release of the free end thereof.

1,586,854. DISPLAY-SUPPORTING DEVICE. WILLIAM H. STANSFIELD, Auburn, N. Y. Filed Mar. 11, 1924. Serial No. 698,349. 16 Claims. (Cl. 208—91.)

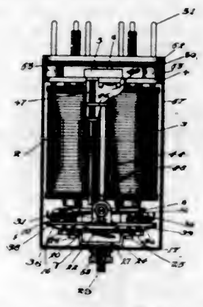


1. Display supporting devices for velocipedes, comprising a support, an arm extending upwardly at an oblique angle from said support, means on said arm for engaging beneath the frame of a velocipede at a point between the rear axle and the seat, and stop means on said arm for engaging the velocipede at a point rearwardly of said first point to limit the pivotal movement of the velocipede about said first point and thereby hold the velocipede in a substantially horizontal position with its wheels free to rotate.

1,586,855. POLARIZED RELAY. MICHAEL B. STAZAK, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1921. Serial No. 439,900. 7 Claims. (Cl. 175—345.)

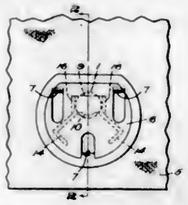
1. An adjustable mechanism comprising a U-shaped magnet to which is secured a clamping member having a leaf spring secured thereto, a contact and armature supporting member adjustably associated with said clamp-

ing member by means of said leaf spring, and adjustable screws extending through said clamping member and engaging tapped orifices in said contact and armature sup-



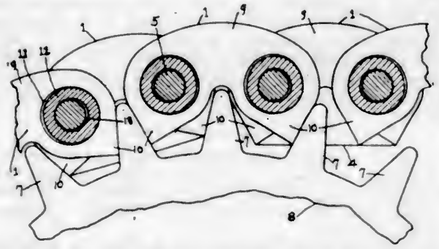
porting member, said contact and armature supporting member moving to or away from said clamping member when the said adjustable screws are rotated.

1,586,856. FASTENER. SERIAH STEVENS, deceased, late of Roslindale, Mass., by Ruey Bartlette Stevens, executrix, Roslindale, Mass., assignor, by mesne assignments, to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed July 24, 1924. Serial No. 727,991. 14 Claims. (Cl. 24—217.)



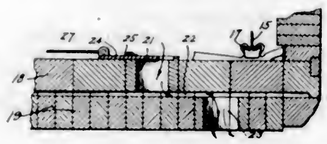
1. A three-side lock fastener comprising, in combination, a stud having a head and a neck generally circular in cross-section, a socket presenting a fixed jaw and a spring jaw at the front face of a socket-carrying medium for engagement with opposite sides of said neck, said spring jaw located adjacent to the lower edge of the carrying medium and adapted to yield in one direction when said socket is being engaged with said stud and in the opposite direction when said socket is being disengaged from said stud.

1,586,857. CHAIN. ANTON P. STIANSEN, Brooklyn, N. Y. Filed Aug. 11, 1925. Serial No. 49,539. 6 Claims. (Cl. 74—32.)



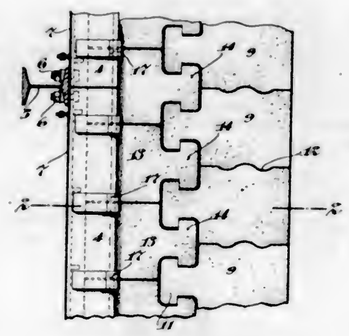
1. In a driving chain, a link having a projecting pivot bearing with a concentric pin hole at one end, a concentric oppositely disposed cavity surrounding said hole having a larger diameter than said pivot bearing and a depth less than the thickness of the link, and a segment bearing of greater radius than that of said pin hole formed in said cavity and coincident with said pivot bearing.

1,586,858. FIRE ARCH WITH AIR-INTAKE PORTS. CLARENCE A. STRACHOTA, Minneapolis, Minn., assignor to Liptak Fire Brick Arch Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 3, 1923. Serial No. 616,714. 5 Claims. (Cl. 110—99.)



1. A double suspension arch comprising supporting beams, upper and lower arch-forming blocks hung therefrom with a longitudinal air passage between the said upper and lower blocks, said upper and lower blocks having air intake ports in communication with said longitudinal air passage.

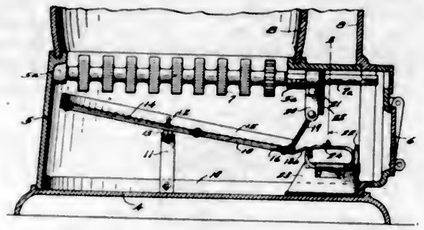
1,586,859. FURNACE WALL. CLARENCE A. STRACHOTA, Chicago, Ill., assignor to Liptak Fire-Brick Arch Company, Chicago, Ill. Filed Dec. 20, 1924. Serial No. 757,175. 7 Claims. (Cl. 72—101.)



1. A wall structure comprising an outer wall and an inner wall, each wall being made up of belts of brick and interposed tie blocks, the two walls being spaced and the tie blocks of the two walls projecting into the space between walls and having interlocking ends holding the two walls against lateral shifting movements but permitting the two walls to independently move vertically under varying expansion and contraction or other forces.

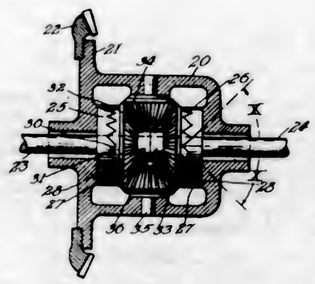
1,586,860. SIFTER FOR ASHES IN FURNACES. RICHARD M. SWANSON, Minneapolis, Minn. Filed June 12, 1925. Serial No. 36,662. 5 Claims. (Cl. 126—244.)

1. An ash sifter for a furnace having in combination, a support disposed in the furnace beneath the grate bars, a screen mounted thereon for reciprocating movement, and means constituting both a supporting and reciprocating means connected to one end of said screen and detachably secured to said grate bars adapted to reciprocate said screen when said grate bars are moved



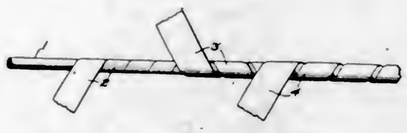
for discharging ashes said screen normally inclining downwardly toward the front end of said furnace to discharge coarse material.

1,586,861. GEARING. CECIL HAMELIN TAYLOR, Detroit, Mich. Filed Oct. 22, 1923. Serial No. 669,889. 13 Claims. (Cl. 74—99.)



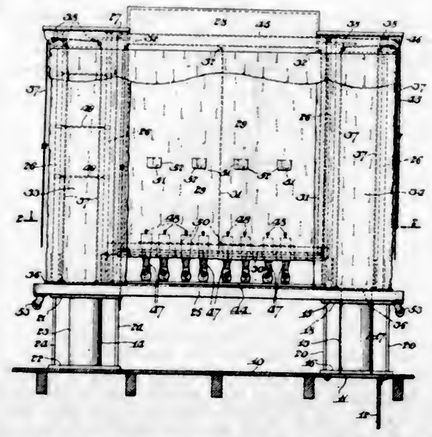
1. In a differential gearing having tooth faces of such an angle that the arc of correct contact is less than the angular pitch, two satellite pinions and master gear wheels, the teeth of said pinions being in different phase relations with the teeth of said gear wheels.

1,586,862. METHOD OF APPLYING MAGNETIC MATERIAL TO ELECTRICAL CONDUCTORS. WILLIAM B. TEN EYCK, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1920, Serial No. 429,224. Renewed Apr. 10, 1926. 8 Claims. (Cl. 178—45.)



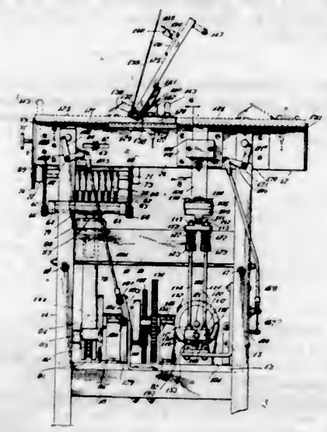
1. The method of loading a signaling conductor with magnetic material which requires heat treatment to give it a desired electrical characteristic, which comprises placing a layer of spacing material upon the conductor, placing the loading material upon the spacing material and subjecting the loaded conductor to the said heat treatment, the heat of which is great enough to destroy the layer of spacing material.

1,586,863. METHOD OF AND APPARATUS FOR PRODUCING THEATRICAL ILLUSIONS. HOWARD THURSTON, Beechhurst, and HARRY JANSEN, New York, N. Y. Filed Sept. 9, 1925. Serial No. 55,243. 35 Claims. (Cl. 272—9.)



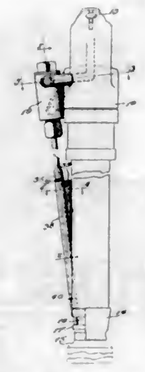
1. The method of producing an illusion which consists in a performer entering a structure, said performer simulating the appearance of walking by manipulating artificial leg members in a space exposed to the view of the spectators, said performer escaping from the structure after manipulating the artificial leg members, conveying said artificial leg members to concealed locations, and finally exposing the interior of the structure to the view of the spectators.

1,586,864. MACHINE FOR ATTACHING COLOR CHIPS TO CARDS. DAVID A. URIE, Chicago, Ill. Filed Aug. 28, 1924. Serial No. 734,645. 29 Claims. (Cl. 216—14.)



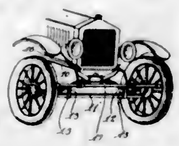
1. A machine of the class described comprising a suitable support, adhesive-applying means mounted thereon, a card-carrying platen movable on said support into and out of position over said adhesive-applying means, and means actuated by movement of said platen into such position for effecting the operation of said adhesive-applying means to apply adhesive to a card carried by said platen.

1,586,865. AUTOMATIC SAFETY ATTACHMENT FOR PNEUMATIC HAMMERS. CHARLES B. WADE, Roanoke, Va. Filed Mar. 12, 1923. Serial No. 624,601. 1 Claim. (Cl. 121—11.)



The combination with a housing having a laterally extending inlet passage for pressure fluid in its upper end and having a pressure chamber below and closed to said passage, a tool in the lower end of the housing, and a valve-controlling rod in contact with the tool and extending longitudinally of the housing to a point between the inlet passage and the pressure chamber, of a valve chamber at the upper end of the housing eccentric to the pressure chamber receiving the upper end of said rod and extending longitudinally of the housing across and communicating with the end of said inlet passage, the valve chamber communicating through its lower end with the pressure chamber and having a seat disposed between the said inlet passage and said pressure chamber, the inlet passage and the pressure chamber being out of communication except through the lower end of the valve chamber, a valve in said valve chamber arranged to rest on said valve seat to normally cut-off flow into the pressure chamber and be unseated by impact of the valve-controlling rod, and yieldable means within the valve chamber for holding the valve normally seated.

1,586,866. COMBINED BUMPER AND SHOCK ABSORBER. JESSE S. WALLER, Terre Haute, Ind. Filed Jan. 13, 1926. Serial No. 80,864. 10 Claims. (Cl. 293—55.)



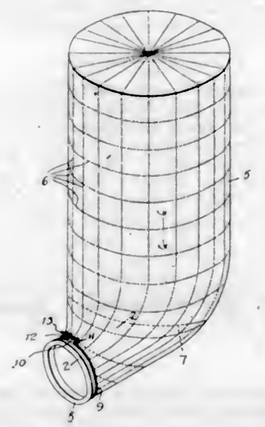
1. A combined bumper and shock absorber comprising a pair of spring members having spaced arms for attachment to spaced portions of a car, said spring members having means thereon for supporting a bumper bar, the arms of said members being sprung apart beyond their normal relative position when attached to the car to give an initial tension to said spring members tending to close them together.

1,586,867. FRUIT PICKER. ERNEST JOHN WARNER, Oppenheim, N. Y. Filed May 7, 1925. Serial No. 28,706. 2 Claims. (Cl. 56—334.)

1. A fruit picker comprising a pole, a stationary hoop carried by the upper end of said pole in substantially a vertical position, a movable hoop pivoted at horizontally opposed points to the vertical side portions of the stationary hoop and projecting both forwardly and rearwardly therefrom when in a normal substantially horizontal position, a flexible fruit tube extending along the pole and connected to the lower portion of the stationary hoop and to the front portion of the movable hoop, elastic guard means connecting the uppper portion of said stationary hoop with the rear portion of said

movable hoop, to prevent escape of fruit therebetween and acting to swing the movable hoop to a normal substantially horizontal position a line connected to and depending from said rear portion of the movable hoop for swinging the latter against the action of said elastic guard means, and stops on one hoop adapted to strike the other hoop to limit the swinging of the movable hoop under the influence of said elastic guard means.

1,586,868. VACUUM-CLEANER BAG. FLORENTIA WEBB, London, England. Filed Nov. 5, 1923, Serial No. 672,711, and in Great Britain Aug. 22, 1923. 8 Claims. (Cl. 183—51.)



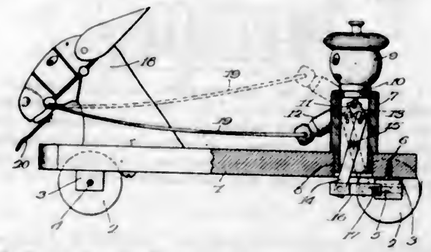
1. A vacuum cleaner bag comprising fabric that permits the escape of air but not dust through its meshes and a plurality of rows of stitching forming vertical and horizontal ridges on the inner side thereof.

1,586,869. CEREAL-FOOD PRODUCT AND METHOD OF PREPARING SAME. JOHN A. WESENER, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,586. Renewed Mar. 8, 1926. 13 Claims. (Cl. 99—11.)

1. Cooked oats the natural and developed acids of which are substantially neutralized and which contain substantially no excess of alkaline substance.

4. Method of treating oats which consists in cooking the oats and neutralizing the natural and developed acid therein without bringing about alkalinity in the product.

1,586,870. MECHANICAL TOY. CLARENCE A. WETZELL, Sterling, Ill. Filed Sept. 4, 1925. Serial No. 54,410. 5 Claims. (Cl. 46—45.)

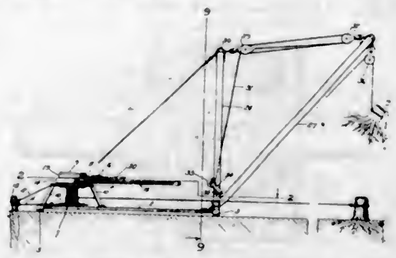


1. In a mechanical toy, the combination of a base having one or more supporting wheels therefor, an animal head on the front portion of said base, rigid therewith, a toy figure rigid with the rear portion of said base, having movable arms, wheel operated means concealed in the body of the figure for actuating said arms up and down, and reins connecting said arms to said head, actuated by the arms, so that the animal head and said figure are rigidly connected together by said wheeled base, and only the arms and reins thereof have motion relatively to said base.

1,586,871. CASTING METALS. JOHN H. WHITE, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Continuation of application Serial No. 683,320, filed Dec. 29, 1923. This application filed Dec. 29, 1924. Serial No. 758,584. 4 Claims. (Cl. 148—2.)

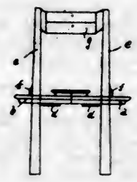
1. The method of working a metallic composition containing large amounts of nickel which comprises melting together the component elements, cooling the melt until it solidifies, immediately remelting, casting immediately after the remelting, and working the casting without first subjecting it to an annealing temperature.

1,586,872. STUMP PULLER. WILLIAM A. WILSON, New London, Minn. Filed May 11, 1922. Serial No. 560,229. 5 Claims. (Cl. 254—182.)



1. A stump pulling machine comprising a frame, a winding drum mounted thereon and provided with a vertical extension, a cable for said drum, a ring loosely encircling said extension, a sweep mounted on said ring, a band encircling said extension and connected with said ring and manually controlled means for tightening or releasing said band to lock or release said ring and sweep.

1,586,873. SWIMMING APPLIANCE. HANS DÖHRN WITT, Blankenmoor, near Heide-in-Holstein, Germany. Filed Jan. 13, 1926, Serial No. 80,862, and in Germany Jan. 16, 1925. 2 Claims. (Cl. 9—17.)



1. A swimming apparatus comprising two parts adapted to be fitted around the neck of a swimmer, each of said parts having two holes, rods passed through said holes, springs on said rods, said springs being adapted to prevent the rod from being disengaged from said holes, and a container supported by said rods above the head of the swimmer.

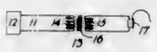
1,586,874. LONG SUBMARINE TELEGRAPH CABLE FOR OPERATION AT HIGH SPEED. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,725. 14 Claims. (Cl. 178—45.)

1. A long submarine cable conductor for signals of high telegraphic frequency loaded with a layer of nickel-iron composition of substantially higher permeability than iron at low magnetizing forces.

1,586,875. CONTINUOUSLY-LOADED SUBMARINE CABLE. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,726. 15 Claims. (Cl. 173—81.)

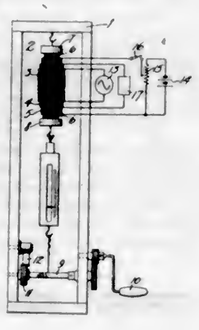
1. A continuously loaded submarine conductor impregnated with a filling material which is fluid at the temperatures and pressures at which the conductor is to be used, the loading material being an alloy capable of having high permeability under favorable conditions but having materially reduced permeability when strained.

1,586,876. POWER-LIMITING METHOD AND APPARATUS. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 29, 1922. Serial No. 564,428. 6 Claims. (Cl. 179—81.)



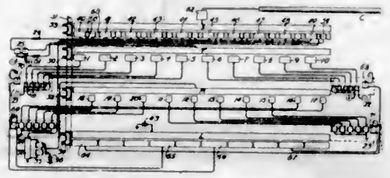
1. Means to protect the user of a telephone receiver against acoustic shock, consisting of an interposed transformer in the voice current circuit, with separate windings and with a small core of higher initial permeability than iron and lower value of magnetization at saturation.

1,586,877. ELECTROMAGNETIC DEVICE. OLIVER E BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,127. 11 Claims. (Cl. 175—356.)



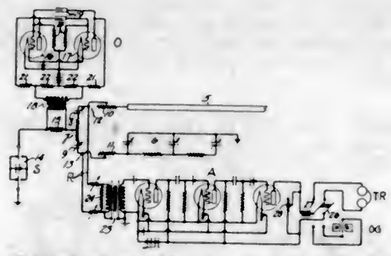
1. An electromagnetic structure comprising an electric circuit, a magnetic element in inductive relation thereto comprising an alloy of nickel and iron, and means for maintaining a constant tension in said magnetic element of such value that the permeability is greater than if no tension were applied.

1,586,878. TELEGRAPH SYSTEM. ALLISON A. CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 598,539. 12 Claims. (Cl. 178—63.)



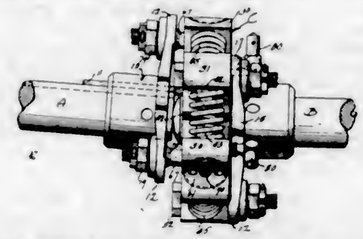
1. In a telegraph system a cable and a pair of terminal stations connected to the ends thereof, each of said terminal stations comprising a transmitting mechanism, a receiving mechanism and switching means for associating either the transmitting mechanism or the receiving mechanism alternately with the cable after the transmission or reception of each signal impulse over said cable.

1,586,879. SUBMARINE-CABLE TELEGRAPH SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,769. 11 Claims. (Cl. 178—63.)



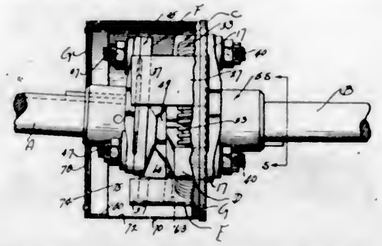
1. The method of adjusting the balance between a submarine cable and an artificial line in a telegraph system which comprises substituting a multi-frequency test current for the ordinary signaling current, producing audible effects by said test current, and improving the balance in accordance with said audible effects.

1,586,880. CUSHION COUPLING. EDWARD K. DEGENER, Santa Ana, Calif. Filed Jan. 17, 1924. Serial No. 686,915. 10 Claims. (Cl. 64—96.)



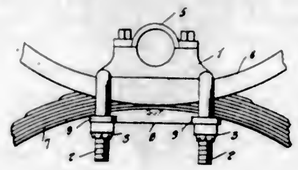
6. In combination with a pair of shaft sections, a spider member providing arms thereon, a second spider member providing arms thereon and having sockets therein, means fixedly connecting the first mentioned spider member to one of said shafts, balls mounted in said sockets for oscillative movement therein, shanks slidably carried by said balls in outwardly extending and movable relation with said spider member having the sockets therein, means connecting said shanks with the other shaft, and means resiliently connecting said spider members.

1,586,881. CUSHION COUPLING. EDWARD K. DEGENER, Santa Ana, Calif. Filed Nov. 22, 1924. Serial No. 751,611. 6 Claims. (Cl. 64—96.)



1. In a universal joint the combination of a pair of members, means centrally pivoting said members in a positive connected relation, means connecting said members together laterally of said central pivotal connection so that said members may be moved universally, a pair of shafts, means fixedly connecting one of said shafts with one of said members, and means resiliently connecting the other of said shafts with the other of said members.

1,586,882. CRANK-CASE FRONT BEARING AND SPRING CLIP. ERNESTUS S. DICKERSON, Fullerton, La. Filed Apr. 17, 1924. Serial No. 707,206. 2 Claims. (Cl. 267—52.)



1. A front bearing and spring clip comprising a supporting member, a cap coacting with said member to form a clip, a pair of depending rods at each end of the supporting member adapted to extend along the front and the rear side of the cross member and front spring, and a yoke applicable from below adapted to receive the lower ends of the rods and clamp the cross member and spring between the said supporting member and yoke, the upper surface of said yoke conforming in shape to the surface of the spring in engagement therewith.

1,586,883. LOADING OF SIGNALING CONDUCTORS. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1921. Serial No. 486,009. 23 Claims. (Cl. 178—45.)

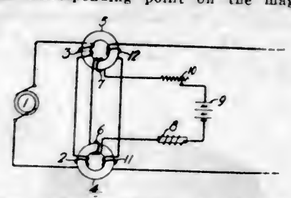
11. A transmission line loaded for high speed signaling with a magnetic material, comprising nickel and iron and a substance to increase the specific resistance thereof.

1,586,884. MAGNETIC MATERIAL. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 31, 1921. Serial No. 473,877. 33 Claims. (Cl. 178—45.)

1. A magnetic material characterized by a higher permeability than that of iron at magnetizing forces around $\frac{1}{10}$ gauss or less comprising two elements of the magnetic group.

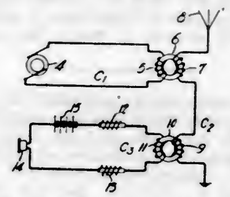
1,586,885. ELECTROMAGNETIC DEVICE. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,721. 5 Claims. (Cl. 172—281.)

1. A static frequency multiplying device having a magnetic circuit element of material consisting chiefly of nickel and iron and having higher permeability at forces just below the knee of its magnetization curve than does iron at the corresponding point on the magnetization



curve for iron, and means for periodically and cyclically magnetizing said element between limits which include the knee of the magnetization curve.

1,586,886. ELECTROMAGNETIC DEVICE. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1921. Serial No. 493,146. 20 Claims. (Cl. 179—171.)

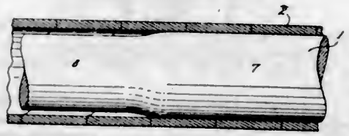


1. A magnetic circuit, two electric circuits interlinked therewith, means to pass variable currents of high and low periodicity in said electric circuits, respectively, said magnetic circuit being of relatively high permeability at low magnetizing forces whereby slight variations of the low periodicity current produce large variations of the high periodicity current.

1,586,887. INDUCTIVELY LOADING SIGNALING CONDUCTORS. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1922. Serial No. 557,928. 20 Claims. (Cl. 178—45.)

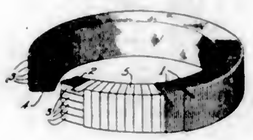
1. The method of loading a signaling conductor with magnetic alloy the permeability of which varies materially when the allow is strained, which comprises forming a layer of said alloy about the conductor so that the space within the loading layer is not completely occupied by the material of the conductor, and subjecting the loaded conductor to heat treatment, the layer being so formed that the conductor has room for expansion during the heat treatment.

1,586,888. METHOD OF APPLYING METALLIC SHEATHING TO METALLIC CORES. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 25, 1923. Serial No. 647,477. 9 Claims. (Cl. 178—45.)



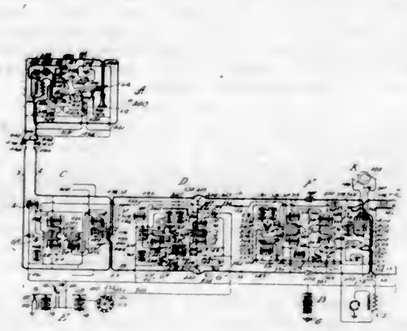
4. The method of loosening a metallic sheathing on a metallic core which comprises swaging the sheathed core.

1,586,889. MAGNETIC STRUCTURE AND METHOD OF MANUFACTURE. GUSTAF W. ELMEN, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1924. Serial No. 699,835. 10 Claims. (Cl. 175—21.)



1. A magnetic structure comprising thin laminæ of magnetic material, and means to hold said laminæ in spaced relation and to protect said magnetic material from mechanical strain comprising a matrix of hard rigid insulating material in which the laminæ are embedded.

1,586,890. SWITCHING APPARATUS FOR TELEPHONE-EXCHANGE SYSTEMS. JOHN ERICKSON and CHARLES J. ERICKSON, Chicago, Ill., assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 16, 1905, Serial No. 282,984. Renewed June 15, 1907. Serial No. 379,180. 119 Claims. (Cl. 179—18.)



1. An automatic telephone system comprising a plurality of subscribers' lines, a plurality of trunk-lines allotted to and common to said subscribers' lines, but less in number than the said subscribers' lines, together with an individual-switch for each subscriber's line, and means common to all of said subscribers' lines for operating said switches, each switch being capable of establishing connection with any one of said trunk-lines, but always ready and in position to establish connection with an idle trunk-line while the subscriber's line is out of use

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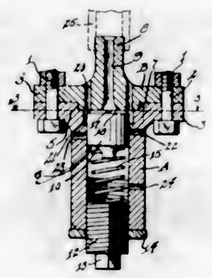
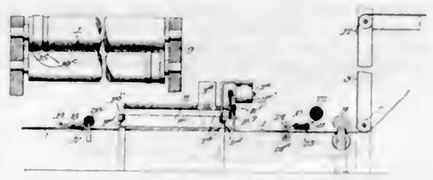
1,586,891. AUTOMATIC RETAINING VALVE FOR AIR BRAKES. JOHN LEO FARMER. Chicago, Ill. Filed June 9, 1925. Serial No. 36,006. 7 Claims. (Cl. 303—79.)

1. An automatic pressure retaining valve of the character described comprising a tubular body member, a piston valve closely fitted within said body member and adapted for longitudinal movement therein, means for connecting the interior of said body member with the exhaust port of a standard triple valve for railroad air brakes, and a plurality of exhaust ports through said body member, certain of which are closed by said piston



valve when at one end of its travel and which are open when the piston valve is moved as by air pressure from said exhaust.

1,586,892. PAPER-ROOFING MACHINE. ALBERT C. FISCHER Chicago, Ill. Filed May 28, 1920. Serial No. 384,879. 13 Claims. (Cl. 91—18.)



1. In a roofing machine, means for presenting a web of roofing material, and means for seam-treating a restricted area of said web, comprising means for developing on said web a defining wall and means for depositing a mastic substance adjacent said wall.

8. In a roofing machine, means for presenting a web of roofing material, and means for seam-treating said web, comprising a web-channeling means, means supplying mastic to the channel provided by said channeling means, means for supplying a protective strip over the mastic in said channel, and means for pressing said protective strip upon the surface at the sides of the channel.

9. In a roofing machine, means for presenting a web of roofing, means for surface treating the same, means for excluding such surface treatment from a seaming area of said web, and means for seam-treating said seaming area.

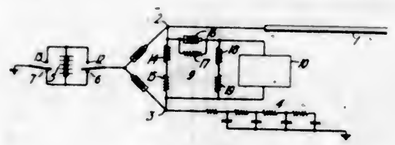
12. In a roofing machine, means for presenting a web of roofing material, and means for seam-treating a longitudinally extending area of said web and also periodically occurring transversely extending areas thereof, comprising a longitudinally acting mastic applying means and an intermittently operated transversely acting mastic applying means.

13. In a roofing machine, means for presenting a web of roofing material, and means for applying over a seaming area thereof, a strip-like vehicle for seaming mastic, folded upon itself with mastic between its folds, and in condition to be exposed for seaming purposes by the unfolding of the strip.

1,586,893. FOOD PRODUCT. AUGUSTE GAY, San Francisco, and JAMES W. BOOTH, Piedmont, Calif., assignors of one-half to Francis D. Collins, San Francisco, Calif. Filed Oct. 3, 1924. Serial No. 741,475. 1 Claim. (Cl. 99—11.)

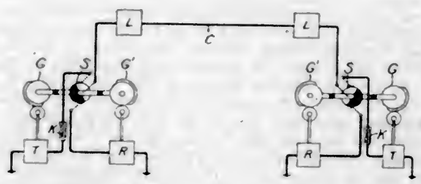
The method of preserving fresh fruit, vegetables, and the like material, comprising first chopping the previously evaporated, sliced, fresh material to break up the tougher fibers, subjecting the same to a grinding action to reduce the fibers to minute form and produce a compact, thick mass in which the natural oils, fats, cellulose, starches, and mineral salts and the nutritive properties of the skin and pericarp are distributed, subjecting the mass to a second and finer grinding operation to further break up the cells, and finally pressing said mass into the desired shape.

1,586,894. SUBMARINE-CABLE SYSTEM. JOHN J. GILBERT, Port Washington, N. Y., and ALLISON A. CLOKEY, Rutherford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,389. 8 Claims. (Cl. 178—63.)



2. The combination with a submarine cable conductor, of magnetic material distributed along said conductor to compensate in part at least for the distributed capacity thereof, and terminal-shaping means cooperating therewith to compensate in part at least for distortion introduced by said loading material.

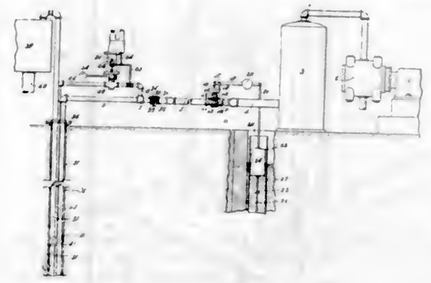
1,586,895. SUBMARINE-CABLE SIGNALING. JOHN J. GILBERT, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 15, 1922. Serial No. 561,138. 18 Claims. (Cl. 178—63.)



1. The method of two-way signaling between two stations which comprises alternately simultaneously transmitting from both stations and receiving at both stations for equal periods.

1,586,896. PUMPING SYSTEM. HALBERT B. HALVORSEN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 8, 1919. Serial No. 288,501. Renewed Apr. 19, 1924. 58 Claims. (Cl. 103—11.)

1. In a pumping system, a source of fluid pressure, a fluid operated pumping means, a fluid flow controlling means between said source and said pumping means, a reservoir receiving the liquid pumped by said pumping means, said reservoir being so constructed that the liquid surface therein is exposed only to atmospheric pressure,

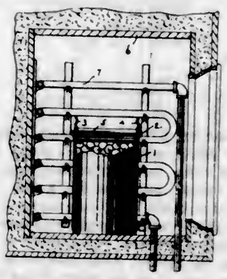


a fluid pressure controlling means, and means controlled by the liquid level in said reservoir for controlling said flow controlling means.

1,586,897. HEAT TREATMENT OF METALS. JONATHAN W. HARRIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 22, 1922. Serial No. 602,501. 15 Claims. (Cl. 266—3.)

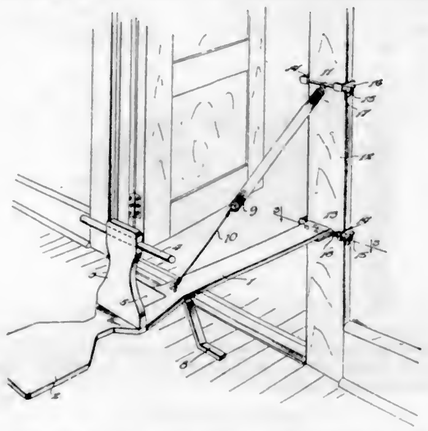
1. Means for heat-treating metallic material comprising a heating chamber, means to continually pass the metallic material into said chamber through an opening, and means for causing a substantially non-oxidizing and non-reducing gas to pass continually into said chamber and out through said opening at a rate high enough to sweep back any entering gas before it has time to appreciably affect said metallic material.

1,586,898. METHOD OF FREEZING AND TRANSPORTING PERISHABLE FOOD PRODUCTS. ALFRED B. HASLACHER, Farmington, Calif. Filed Mar. 30, 1925. Serial No. 19,297. 3 Claims. (Cl. 99—14.)



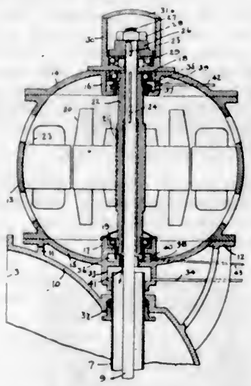
1. The method of keeping, handling and preserving food products which consists of depressing said product within a body of water and while held so depressed freezing the mixture.

1,586,899. SEESAW. WALTER L. HERRING, Tulsa, Okla. Filed Sept. 12, 1925. Serial No. 55,991. 2 Claims. (Cl. 272—55.)



1. A child's toy, comprising a teeter member, having a seat at one end, a clamp at the opposite end, embodying a pivot and clamp bolt loosely engaging the member and having its ends projecting and jaws mounted on the projecting ends of the bolt, and a counter-balancing spring in cooperative relation with the said teeter member.

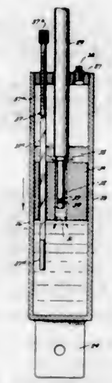
1,586,900. CENTRIFUGAL-PUMP HEAD. ALADAR HOLLANDER, Berkeley, Calif., assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif., a Corporation of California. Filed Jan. 25, 1926. Serial No. 83,433. 12 Claims. (Cl. 103—102.)



1. In combination with a vertical shaft centrifugal pump having a pump column and a pump head, a motor having a hollow rotor said motor mounted on said head, a plurality of rotor bearings in which said rotor is mounted to freely rotate, said bearings adapted to resist radial stresses and retaining said rotor against axial displacement, a thrust bearing supported on said motor in axial alignment but spaced from said rotor, a main pump operating shaft having an impeller on its lower end and carried rotatively on said thrust bearing at its other end, said shaft passing slidably through said rotor and splined thereto and means interposed between said thrust bearing and said shaft upper end for longitudinally adjusting said shaft with respect to said thrust bearing.

12. In a vertical shaft centrifugal pump, a pump column and a pump head, a motor for driving said shaft positioned at the upper end of said shaft and having a hollow rotor, rotor bearings on each side of said rotor in which said rotor is adapted to rotate and is held against axial displacement, lubricant compartments for said bearings, a thrust bearing adapted to support axial stresses of the driving shaft and supported above the motor and independent of said radial bearings and of said rotor, and adjusting means interposed between the driving shaft and the thrust bearing, a stationary upstanding collar around the shaft rising from the bottom of said lubricating compartment, and a ring adapted to rotate over and outside of said collar whereby lubricant is retained available in the compartment for the corresponding bearing, a fixed protecting tube around said shaft having an inlet end adjacent and under one of said compartments and a lubricant passage from the last mentioned compartment adapted to feed lubricant by gravity into the said tube inlet end.

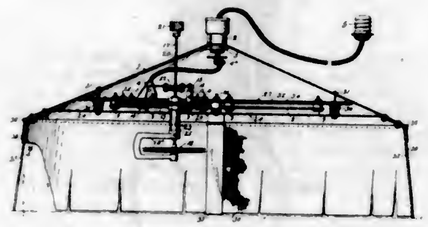
1,586,901. CHECKING MECHANISM. THEODORE DE WITT HUBBELL, Los Angeles, Calif. Filed Oct. 8, 1923. Serial No. 667,400. 3 Claims. (Cl. 16—82.)



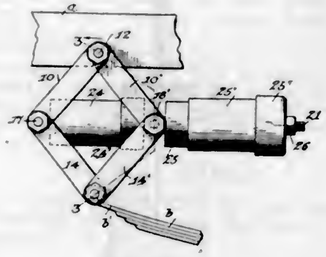
1. A checking mechanism comprising a cylinder adapted to be pivotally arranged on a swinging support, a piston rod extending into the cylinder adapted to be connected to another swinging support, a piston head operating in the cylinder to function against a body of liquid contained therein and provided with an axially disposed duct, means to permit slight relative movements of the rod and the piston head and for mounting the latter to the former, a valve portion formed on the rod beyond one face of the head and adapted to respectively seat against and unseat from said face of the head on actuations of the cylinder and said rod, the head having a second duct extending therethrough in parallelism with the first said duct, and an elongated body adjustable longitudinally of the cylinder from a point without same and through said second named duct and provided with portions respectively coacting with the walls of the said second named duct to control movements of fluid under relatively different conditions through said second duct in time with relative movements of the cylinder and said head and in time with movements of the valve portion of the rod with respect to the said one face of the head.

1,586,902. HOVER. CHARLES E. KEARNS, Baltimore, Md. Filed Feb. 3, 1923. Serial No. 616,683. 5 Claims. (Cl. 119—33.)

1. The hover or brooder which includes a cover having thereunder a chick-chamber provided with a heat-radiating ceiling, a heating unit over and adjacent to said ceiling but spaced from the ceiling, conducting means through which said heating unit can be electrically energized for generating heat and transmitting heat to said ceiling, a heat-insulating plate over and adjacent to but spaced from said heating unit and adapted to deflect the heat down on the heat-radiating ceiling, said heat-radiating plate and heat-insulating plate and cover combining to form a substantially air-tight or draftless chamber in which the heating unit is air-insulated, said conducting means including a switch, and means operable for opening and closing the switch when the temperature in the chick-chamber becomes sufficiently high.



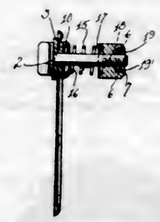
1,586,903. SHOCK ABSORBER. ANDY KREIN, Langdon, N. Dak. Refile of abandoned application Serial No. 556,408, filed Apr. 25, 1922. This application filed Mar. 8, 1926. Serial No. 93,346. 3 Claims. (Cl. 267—17.)



3. A shock absorber comprising a pair of telescopic sectional casings positioned in lengthwise alignment and spaced from each other, a pivot member arranged between and abutting against the opposed ends of said casings, a rod extending through said casings and said member, said casings constituting abutments, an expansible member confined within and having its movement controlled by each of said casings and further surrounding said rod, a pivot member having said rod connected therewith, an adjustable abutment mounted on said rod for one of said casings, and two pair of upper and two pair of lower toggles pivotally mounted on said members and adpated to be connected with a vehicle body and with a vehicle spring, and one of said casings positioned between said abutment and that member through which said rod extends, and the other of said casings shiftably positioned between said levers and further interposed between said pivot members.

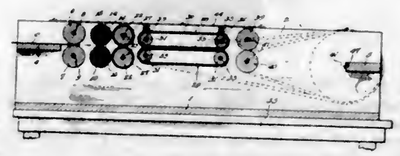
1,586,904. AUTO LICENSE-PLATE HOLDER. FRANK KUHN, Quincy, Ill. Filed Jan. 30, 1925. Serial No. 5,841. 4 Claims. (Cl. 40—125.)

4. A device of the type described comprising a member for supporting a license plate, clamping means removably carried by said member for securing the license plate to said member, said clamping means including a washer adapted to contact with the license plate, a nut, and a coil spring connecting said nut to said washer and also being adapted to yieldingly hold said washer in contact



with the license plate, locking means carried by said member, said spring being adapted to move said nut into engagement with the locking means.

1,586,905. PAPER-MONEY CLEANER AND PRESSER. GEORGE W. LEIGHTLITNER, Apollo, Pa. Filed June 17, 1925. Serial No. 37,760. 5 Claims. (Cl. 15—4.)



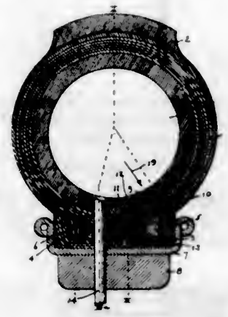
1. A machine of the character described comprising a supporting structure, feed rollers rotatably mounted in said supporting structure, discharge rollers rotatably mounted in said supporting structure, cleaning rollers rotatably mounted in said supporting structure in spaced relation to said feed rollers and encased with fabric, cleaning brushes rotatably mounted in said supporting structure between said feed rollers and cleaning rollers, supporting rollers rotatably mounted in said supporting structure between and adjacent said cleaning rollers and discharge rollers, endless fabric belts trained about said supporting rollers and moving longitudinally of the supporting structure when said supporting rollers are rotated, a drive shaft rotatably mounted in said supporting structure, and means for transmitting rotary movement from said drive shaft to said rollers with the feed rollers rotating slower than the other rollers.

1,586,906. KNIFE OR CUTTER. ELIAS LEWIS, Terre Haute, Ind. Filed Jan. 25, 1924. Serial No. 688,579. 2 Claims. (Cl. 30—9.)

1. A knife comprising a hollow handle having a socket at its forward end, the socket having plane and parallel side walls, a top wall made up of oppositely inclined surfaces and a bottom wall providing an elongated bearing surface, the bottom wall extending rearwardly beyond the top wall and terminating in a shoulder at its rear end, a blade having a tang insertable in the socket, the tang having a bearing surface engageable with the bearing surface of the socket and also having a lug

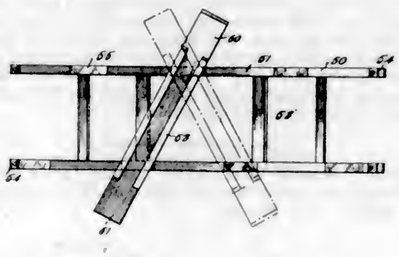
engageable with the shoulder, the handle having stops at the forward end of the socket, the blade having shoulders engageable with the stop, and releasable means for holding the lug engaged with the shoulder.

1,586,907. VEHICLE TIRE. HARRY LINWOOD, San Francisco, Calif. Original application filed Nov. 4, 1925, Serial No. 66,696. Divided and this application filed Mar. 13, 1926. Serial No. 94,571. 2 Claims. (Cl. 152—20.)



1. In a vehicle tire a casing having an inner lining of impervious resilient material in the form of a hollow annulus adapted to contain compressed air, with circumferential side locking members and a circumferential joint between said sides, portions of said joint adapted to overlap and be held in air tight contact by air pressure within said annulus and a tongue in one of said portions and a groove in the other portion, said tongue and groove interengaging when said joint is closed.

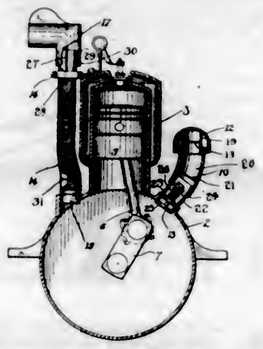
1,586,908. BARREL LOADER. ALBERT MCDOWELL, Los Angeles, Calif. Filed Jan. 24, 1925. Serial No. 4,492. 2 Claims. (Cl. 193—41.)



1. In a loading and unloading device, a skid including a pair of spaced longitudinally extending side rails, blocks secured to the upper faces of the rails, the blocks being arranged in staggered relation, relative to one another, and a flat transversely extending carriage for receiving the load to be raised or lowered for engaging first one step and then the other.

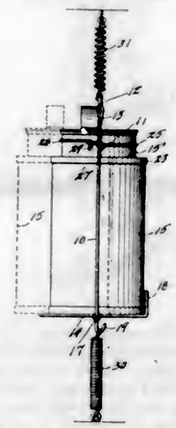
1,586,909. CRANK-CASE COOLER FOR MOTOR VEHICLES. JOHN R. MILLER, Van Nuys, Calif. Filed Sept. 1, 1922. Serial No. 585,639. 2 Claims. (Cl. 123—171.)

1. An internal combustion engine comprising, in combination, a cylinder, a piston operated therein, a crank, a connecting rod from the piston to the crank, a crank case, an air inlet pipe in the forward end of the crank case, an air outlet pipe on the opposite side of the crank case from the inlet, and a cowl swivelly connected to the



exhaust end of the outlet pipe, said cowl being adapted to swing in the direction of the flow of the external air in passing over the engine.

1,586,910. CHURN. LUKE MORRIS, Dallas, Tex., assignor, by mesne assignments, of one-half to J. R. Jones and S. E. Jones, both of Dallas County, Tex. Filed Nov. 6, 1925. Serial No. 67,248. 2 Claims. (Cl. 259—94.)



1. In a churn, an upright carrier frame, supporting rods at the bottom of the frame extending transversely thereof, up-turned stops at the one end of each rod, the frame being crimped at its upper end, a yoke secured to the crimped portion, of the frame, and a curved fastening bail hinged opposite the yoke, the frame having elements at its upper and lower ends for attaching it to vibrating means.

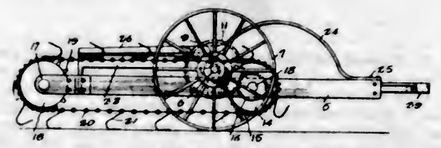
1,586,911. PROCESS FOR THE MANUFACTURE OF 2:3-DIAMINO-ANTHRAQUINONE. WILHELM MOSER, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Apr. 13, 1923, Serial No. 631,914, and in Switzerland May 24, 1922. 3 Claims. (Cl. 260—60.)

3. As a new product the 2:3-diaminoanthraquinone obtained by heating in a closed vessel 2-amino-3 bromoanthraquinone with liquids containing ammonia, which product forms a dark brown powder, dyeing acetate silk weakly yellowish-brown tints.

1,586,912. READY-MADE DUMMY TOOTH. HARVEY E. MURPHY, Medford, Oreg. Filed Dec. 16, 1924. Serial No. 756,340. 1 Claim. (Cl. 32—9.)

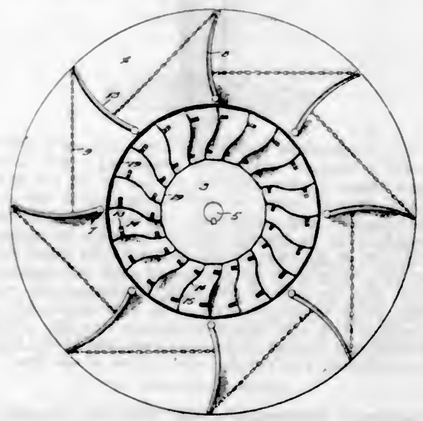
In combination, a ready-made dummy tooth of porcelain formed with a recess in the occlusal face and with notches in the mesial and distal walls of the recess, a casting formed to fit in the recess and to extend through the notches for connection to adjacent teeth but made to allow the wall of the recess to extend above the same and a preformed occlusal top of porcelain adapted for insertion in the recess above the casting.

1,586,913. STALK CUTTER. LEVI NICHOLS, Edinburg Tex. Filed Nov. 9, 1925. Serial No. 67,986. 4 Claims (Cl. 55—118.)



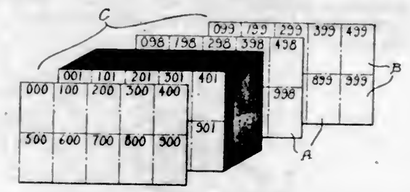
1. In a stalk cutting machine of the character described, a wheeled supporting frame, means carried by the frame for cutting stalks into short sections, and means carried by the frame for engaging chopped-down stalks and conveying the same to said cutting means, said stalk-cutting means comprising a plurality of knives mounted longitudinally of the frame in spaced relation and disposed in superposed pairs, and spring means for supporting the upper knife of each pair whereby the latter may yield upwardly away from the lower knife cooperating therewith.

1,586,914. WIND MOTOR. PER W. PALM, Baudette, Wis. Filed Jan. 29, 1925. Serial No. 5,552. 1 Claim. (Cl. 170—13.)



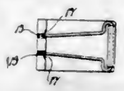
A wind motor comprising a supporting struucture, a rotor mounted upon said supporting structure, a stationary platform carried by said supporting structure and disposed about said rotor, arcuate deflectors pivotally mounted upon said platform and adapted to be swung from an open position substantially radially of the rotor to a closed position with the free end of each deflector overlapping the pivoted end of an adjacent deflector and provide a wind barrier completely surrounding said motor, flexible connecting members of a permanent length secured at the outer ends of said deflectors and each of a length to extend across the outer face of a deflector and have its other end attached to the inner face of the next adjacent deflector adjacent the pivoted end thereof, said connecting members serving to transmit swinging movement from one deflector to another and brace the deflectors against independent swinging, one deflector having a depending shaft at its inner pivoted end extending below said platform, and means for rotating said shaft to impart swinging movement to said deflectors and effect adjustment thereof.

1,586,915. PROCESS OF MANUFACTURING GROUPS OF SHEETS CONSECUTIVELY NUMBERED. OVERTON W. PENDERGAST, Terre Haute, Ind. Filed Feb. 18, 1926. Serial No. 89,222. 4 Claims. (Cl. 270—1.)



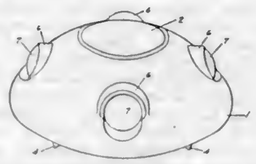
1. Those steps in the method of producing a group of consecutively numbered forms printed from type alone, which consists of first providing a group of sheets each containing a like number of forms, printing numerals upon each form of each sheet, with the numerals upon each form of each sheet progressively increasing by the number of sheets in the group and with the correspondingly disposed form of each succeeding sheet increasing by 1, disposing the sheets in progressive superposed relation in a single lot with the sheet containing the highest numbered forms lowermost, severing the lot into consecutively and progressively numbered sets of forms, and then gathering the sets of forms into a single group of consecutively numbered forms.

1,586,916. FASTENING DEVICE FOR GARMENTS AND THE LIKE. GUSSIE PILKINGTON, London, England. Filed Dec. 5, 1924, Serial No. 754,199, and in Great Britain Oct. 24, 1924. 1 Claim. (Cl. 24—160.)



A fastening device comprising a plate having a turned over edge forming a bearing for a hinge pin, and also having another turned over edge opposite and parallel to the first mentioned turned over edge, a U-shaped wire bent to form a hinge pin for location in the first mentioned turned over edge, and its ends extended into two substantially parallel and spaced apart pointed pins, the second named turned over edge having notches parallel to the pins but spaced nearer together, into which the pins when pressed together are adapted to be sprung and also having other notches spaced apart the same distance as the pins, opening into and at right angles to the first mentioned notches for the purposes set forth.

1,586,917. TRAFFIC SIGNAL. LOVELL M. ROUSE, Portland, Oreg. Filed Dec. 19, 1925. Serial No. 76,536. 3 Claims. (Cl. 94—1.5.)

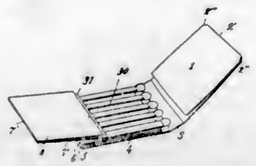


1. A traffic signal, consisting of the combination with an inherently fixed shell, of a reflector yieldingly mounted in the hollow of the shell whereby upon impact from without against the face of the reflector, it may retreat into the shell so as to be protected by the shell from breakage.

1,586,918. CONTAINER FOR MATCHES, TOOTHPICKS, AND KINDRED ARTICLES. HUGO KARL SAKOWSKI, Helsingfors, Finland. Filed Apr. 13, 1925, Serial No. 22,788, and in Germany Mar. 24, 1925. 3 Claims. (Cl. 206—29.)

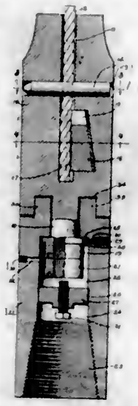
1. A container for loose matches and similar articles, comprising a continuous strip of resilient sheet material consisting of six interconnected sections, to wit: a cover, a reinforcing flap of substantially the same size as the cover folded against and secured to the inner face of said cover, a back, a relatively-small top section connecting the adjacent edges of the cover and back, a front section folded inward toward the back and coacting with the same to form a pocket for the matches, and an inwardly-folded member on the front section adapted to press against the loose matches and hold them in place in the pocket.

1,586,919. CONTAINER FOR MATCHES IN THE SHAPE OF BOOKS OR CARDS. HUGO KARL SAKOWSKI, Helsingfors, Finland. Filed June 22, 1925, Serial No. 38,824, and in Germany May 20, 1925. 4 Claims. (Cl. 206—29.)



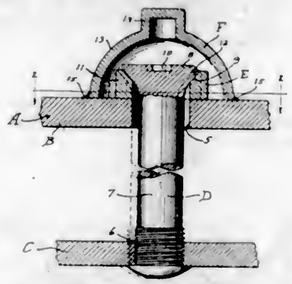
3. A container for matches in the shape of a book or cards, made of a single, continuous strip of suitable material adapted to be printed on its entire front face in a single operation, and folded in one and the same direction to form a plurality of interconnected sections including a cover, and a reinforcement for the cover of substantially the same size as the latter; said reinforcement being folded backward and having its rear face secured flat against the rear face of the cover, whereby the printed front face of the strip appears visible when the container is opened.

1,586,920. SWIVEL ROPE SOCKET. PHILIP AUGUST SCHMUCK, Tulsa, Okla. Filed May 14, 1925. Serial No. 30,391. 4 Claims. (Cl. 255—26.)



1. A swivel socket comprising an upper member provided with means for clamping a cable to its upper end, a neck extending from the lower end of said upper member, a head removably secured to said neck, a lower member swiveled on said neck and supported by and completely surrounding said head, a pin box at the lower end of said lower member and forming an integral part thereof, and a removable plug between the pin box and the cavity receiving said head to permit the latter to be removed.

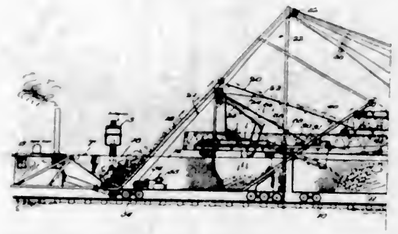
1,586,921. STAY-BOLT CONSTRUCTION. FRANK W. SHUPERT, Sanford, Ill. Filed June 9, 1924. Serial No. 718,871. 2 Claims. (Cl. 85—1.5.)



1. In combination with spaced inner and outer fire-box sheets, a staybolt construction comprising a bolt including a shank, a screw threaded portion at one end of the shank, fixed in screw threaded engagement to the inner fire-box sheet, and a relatively shallow button-like head integral with the opposite end of the shank and disposed exteriorly of the outer fire-box sheet with the shank freely movable laterally in an opening of said last mentioned sheet and the face of the head confronting the outer sheet being convex in shape; and a mounting for the headed end of said bolt comprising a ring like member slidable over the face of the outer sheet and having a concaved annular seat for the convex faces of said head.

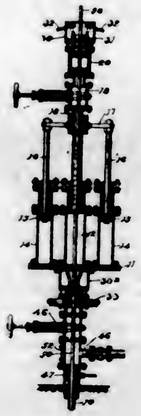
1,586,922. PORTABLE COAL TIPPLE. GROVER C. SINGER, Oakland City, Ind. Filed July 22, 1924. Serial No. 727,526. 6 Claims. (Cl. 209—257.)

1. A portable coal tipple for use with surface mining equipment including a single railway track and a train of cars thereon designed to receive the classified products from the tipple and comprising a series of shaker screens for classifying and segregating the coal into various grades, an elongated boom extending along and over the cars of the train, means for supporting the boom, and a plurality of loading conveyors mounted one above the other on the boom and extending longitudinally thereof



different loading conveyors receiving the different classified products of the screens, different conveyors being of different length and discharging into different cars of the train so as to simultaneously load the cars of the train with the classified products.

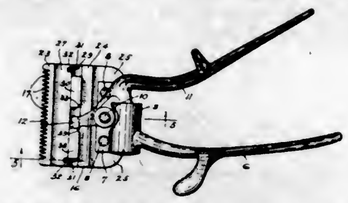
1,586,923. WELL-DRILLING EQUIPMENT. ELVIN E. TOWNSEND, Watsonville, Calif. Filed Feb. 18, 1924. Serial No. 693,532. 8 Claims. (Cl. 166—14.)



1. An apparatus of the character described comprising a vertically telescoping housing adapted to be mounted over the mouth of a well, and normally ineffective packing elements at the opposite ends of said housing, said packing elements being adapted to be independently operated and each capable of forming a fluid tight joint around a pipe or the like extending into said housing to prevent the passage of fluid through the housing.

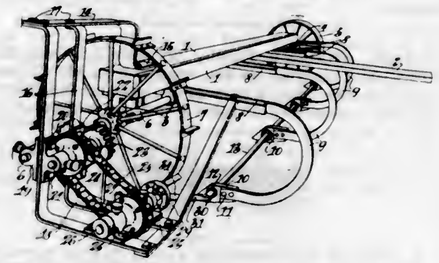
1,586,924. HAIR CLIPPER. ANDREW L. UNDELAND and HOBART C. KELLY, Omaha, Nebr.; said Kelly assignor to said Undeland. Filed May 31, 1923. Serial No. 642,559. 4 Claims. (Cl. 30—1.)

1. In a hair-clipper, a pair of blades provided in their adjacent faces with registering longitudinal grooves, guide-blocks of a thickness less than the combined depth of said grooves, said guide-blocks fitting slidably in



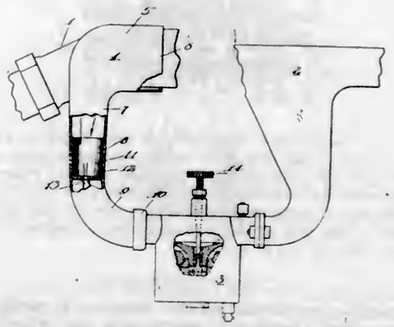
said grooves, and means for limiting movement of said guide-blocks longitudinally.

1,586,925. ROTARY-ROD WEEDER. LOUIS C. VAN PATTEN, Cheney, Wash. Filed Sept. 30, 1925. Serial No. 59,609. 8 Claims. (Cl. 97—42.)



1. A device of the class described comprising a frame beam, means at one end for supporting the beam, a balancing board extending rearwardly from the beam, supporting bars extending rearwardly from the beam, standards depending from the supporting bars, bearings carried by the standards, a rotary rod carried in the bearings, a support rigidly secured to the other end of the beam, a driver wheel supported by the beam and said rigidly secured support and means carried by the rigidly secured support for transmitting rotary motion from the driver wheel to the rotary rod.

1,586,926. AIR CHOKE FOR GAS MOTORS. FRED WALTER, Taft, Calif. Filed Aug. 11, 1924. Serial No. 731,479. 1 Claim. (Cl. 98—180.)



An air choke for gas motors comprising a cup-shaped body having a circular tapered wall and a flat bottom plate with a central opening, the body being adapted for insertion through the open end of an intake air heater to form a permanent resistance to the draw through the heater and the tapered wall of the body being adapted to engage the wall of the intake heater.

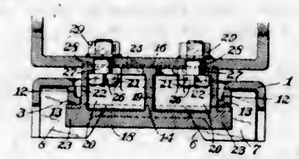
1,586,927. ORNAMENTAL SHEET METAL AND MANUFACTURE OF SAME. WILLIAM WILKINSON, Shustoke, and ARTHUR GREEN, Coventry, England. Filed Aug. 24, 1925, Serial No. 52,140, and in Great Britain Sept. 13, 1924. 3 Claims. (Cl. 29—189.)

1. The process of manufacturing sheet metal involving the preparation of a composite slab formed by securing face to face layers of different appearance, removing parts of the surface of the composite slab in order to expose the metal of different appearance below said surface, and subsequently rolling the composite slab, whereby sheet metal having an ornamental surface is produced.

1,586,928. TRACTOR SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 15, 1925. Serial No. 23,335. 5 Claims. (Cl. 305—13.)

4. A tractor shoe comprising a tread member having a channel extending throughout the length of the tread member, a plurality of calks placed in the outer surface of the tread member, the calks and the tread member so arranged that the calks will be engaged on three sides by fixed portions of the tread member and removable means for engaging the fourth side of each calk to thereby finally lock all of the calks in position.

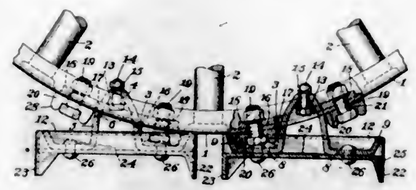
1,586,929. TRACTOR SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 18, 1925. Serial No. 24,049. 6 Claims. (Cl. 305—13.)



2. A tractor shoe comprising in part a hollow retaining means wedge-shaped in outline, having a ridge along its apex and trunnions at the ends of said ridge, the hollow of the retaining means provided with slots for the reception of fastening means and a rim on the opposite sides of the face of the fastening means adapted to contact with the rim of a wheel.

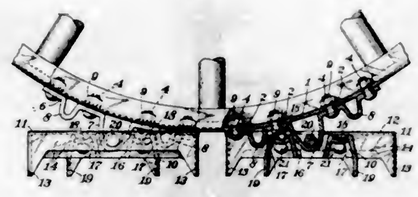
1,586,930. TRACTOR SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 20, 1925. Serial No. 24,461. 15 Claims. (Cl. 305—13.)

7. In combination with a wheel rim provided with an opening, a plate provided with an opening and secured to the inner surface of the wheel rim and the two said openings registering, a tread member provided with a channel, a retaining means substantially in the form of a loop, the lower ends of the loop fitting within said channel and bent to form pockets and the said retaining means rigidly secured to said tread member, bearing members secured to the outer surface of the rim and



adapted to rest within said pockets when said wheel revolves, a portion of the loop fitting within said openings and having a cross bar secured therein and extending beyond the edges of the opening in said plate to thereby retain and permit the said retaining means and tread member to oscillate with relation to the rim.

1,586,931. TRACTOR SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 29, 1925. Serial No. 26,697. 12 Claims. (Cl. 305—13.)

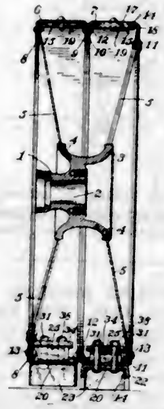


12. A tractor shoe comprising a tread member, formed of two units and a spacer block interposed between the same, said spacer block having two inwardly extending teeth, the crowns of which are concave, said spacer block having an opening formed in its inner surface between the two teeth, the walls of the opening forming side walls of the adjacent teeth, and the ends of said spacer block forming the remaining walls of said teeth, a retaining means adapted to be bolted to the rim of a wheel and the heads of the bolts fitting within the crowns of the teeth, and a projection on the retaining means fitting within the opening in the spacer block, and means for locking the same within the opening and to allow the tread member to oscillate with relation to the retaining means.

1,586,932. TRACTOR WHEEL. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed June 22, 1925. Serial No. 38,678. 4 Claims. (Cl. 301—53.)

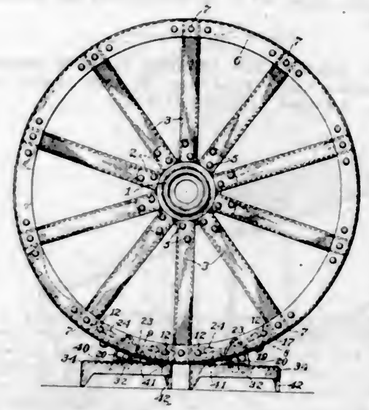
4. A tractor wheel comprising a hub, spokes and rim, said rim provided with two circular bands having inwardly extending flanges at their sides, the adjacent flanges riveted to each other to form a central peripheral rib, the said spokes secured to the outer flanges of the rim and to the hub, said rim provided with a plurality

of openings about its surface and the openings being in staggered relation to each other, a plate secured about each of said openings and to the inner surface of the rim,



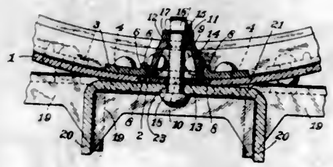
each of said plates having means thereon extending within the walls of its opening in the rim to thereby strengthen the same.

1,586,933. TRACTOR WHEEL. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed July 11, 1925. Serial No. 42,998. 8 Claims. (Cl. 305—13.)



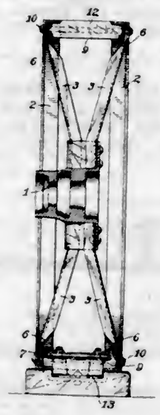
8. A tractor shoe comprising a casing adapted to be secured to the rim of a wheel, said casing having a central opening therein, a toothed-shaped retaining means having a transverse passageway extending centrally therethrough, the inner upper surface of the passageway being ribbed and arcuate in form, said arcuate surface extending from one of the side walls of the retaining means to the other, a tread member rigidly secured to the base of said retaining means, a locking bar extending through said transverse passageway, the depth of the passageway being greater than the thickness of the locking bar so that the retaining means may move inwardly and outwardly with respect to the locking bar, and said locking bar secured near its opposite end to said casing to rockingly support the retaining means and tread member.

1,586,934. TRACTOR SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Original application filed June 22, 1925, Serial No. 38,678. Divided and this application filed Dec. 22, 1925. Serial No. 77,059. 4 Claims. (Cl. 305—13.)



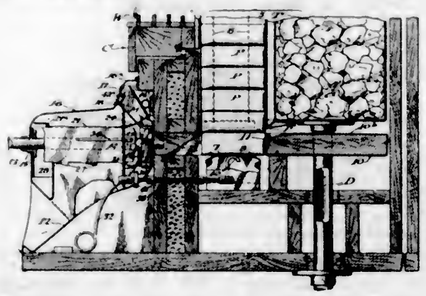
4. A tractor shoe comprising a tread member, a retaining means comprising a plate bent into the shape of a hollow tooth, the ends of the plate being contiguous and the inner portion of the tooth being flattened for the reception of a cross bar, a housing plate adapted to be placed about an opening in the rim of a wheel, said housing plate having an opening therein and short teeth thereon to cooperate with the side walls of the retaining means, the retaining means adapted to be placed through the opening in the retaining plate, a cross bar on the inner surface of the retaining means, and securing means comprising a bolt passing through the tread member, retaining means and said cross bar.

1,586,935. TRACTOR WHEEL. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Original application filed Aug. 15, 1925, Serial No. 50,511. Divided and this application filed Jan. 29, 1926. Serial No. 84,596. 7 Claims. (Cl. 301—52.)



7. A tractor wheel comprising a hub and a plurality of metal spokes, two annuli, said spokes each comprising a body portion and side flanges, the inner ends of the spokes being beveled and riveted to the hub, the outer ends of the spokes being flattened to engage the annuli, a plurality of casings resting within the annuli and each casing positioned opposite the end of a spoke, means passing through the annuli, the respective ends of the spokes and the casings for holding the several parts in position, and each of the casings provided with a central aperture adapted to receive a part of a tractor shoe.

1,586,936. COIN-CONTROLLED VENDING MACHINE. ERNST WISROTH, Los Angeles, Calif., assignor of one-half to Reginald D. Raphael, Los Angeles County, Calif. Filed Dec. 22, 1922. Serial No. 608,486. 6 Claims. (Cl. 194—68.)

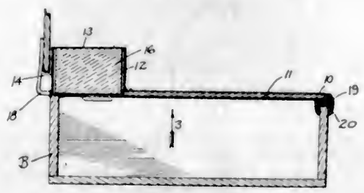


1. In a coin controlled vending machine, a magazine adapted to receive packages to be dispensed, a slide disposed at the bottom of the magazine and having a package receiving pocket, a coin slot, a coin receiving plunger mounted on the slide and normally positioned below the discharge end of said slot, means for preventing forward movement of the package slide in absence of a coin in the coin receiving plunger, means operative through the medium of a coin in said plunger to depress the latter and release the package slide so that a package may be dispensed and means operative after a package is dispensed on the upward movement of the plunger to dislodge the coin.

1,586,937. PROCESS OF PRODUCING TUBERCULIN. KOREO YOSHIZAWA, Gumma-Ken, Japan. Filed May 11, 1925, Serial No. 29,611, and in Japan Feb. 17, 1925. 1 Claim. (Cl. 167—7.)

The herein described process of producing tuberculin, comprising depriving tuberculin preparation of its tuberculin reactive constituent and albumen by adding alcohol thereto, and digesting it by pancreatin.

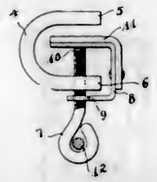
1,586,938. CIGAR-BOX MOISTENER. JOHN ALLEN, Brawley, Calif., assignor of one-half to Ray C. Griswold, Brawley, Calif. Filed Apr. 30, 1925. Serial No. 26,908. 5 Claims. (Cl. 131—30.)



1. A cigar box moistener comprising a frame, a transparent panel mounted on the frame and extending partially over the cigar box, means for detachably securing the frame to the cover of the box, means providing side, top and end walls upon the frame over the opening left by the transparent panel, and a moistening element removably disposed within said walls.

1,586,939. LUGGAGE RACK. JOHN W. BEMENT, Denver, Colo. Filed May 17, 1924, Serial No. 714,074. Renewed Mar. 5, 1926. 4 Claims. (Cl. 224—29.)

1. In combination with a luggage chain to be used on a vehicle, a clamping member being bifurcated to form spaced ends, a bolt threaded through one of the ends, and a protecting shield having an aperture to loosely fit

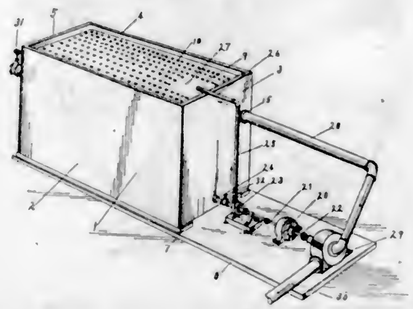


over the said bolt and having an extension end to reach over the front end of the said bolt disposed between such bolt-end and the opposite end of the clamping member.

1,586,940. DITCHING MACHINE. JOHN STEPHEN BLACKIE, Yuba City, Calif. Filed Sept. 1, 1925. Serial No. 53,876. 7 Claims. (Cl. 37—102.)

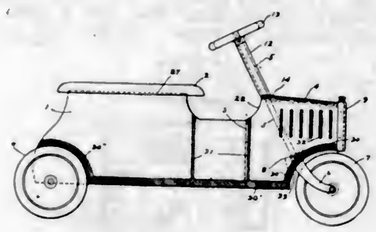
1. A ditching machine comprising a wheel mounted frame, a plow carrying beam supported by the frame and consisting of sections pivotally connected at their inner ends, means for changing the angle of said sections to vary the width of cut, and side scrapers connected to the frame and to the said sections and movable therewith.

1,586,941. AIR-COOLING DEVICE. JAMES R. BRIDGE, Los Angeles, Calif. Filed Sept. 18, 1925. Serial No. 57,133. 2 Claims. (Cl. 261—118.)



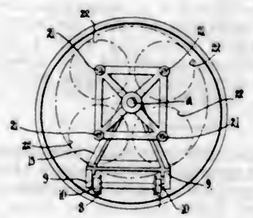
1. An air cooling device comprising in combination a rectangular box-like cooler structure having side walls, a base and a perforated deck, a series of partitions depending from the deck having an open space above the base forming a water receptacle, the partitions being connected to opposite ends to form a zig zag air chamber, an air inlet at one end of the cooling structure, an air outlet at the other end, an inlet water pipe having means to maintain a constant level of water in the water receptacle, an electric motor, a water pump connected to the water receptacle having a discharge pipe positioned to discharge water on the deck and an air pump connected to the air outlet said electric motor operating the water and air pumps.

1,586,942. CHILD'S TODDLER TYPE OF VEHICLE. JULIEN A. BRIED, Oakland, Calif. Filed Jan. 29, 1925. Serial No. 5,611. 15 Claims. (Cl. 208—165.)



1. A child's vehicle of the character described comprising a body simulating an automobile in side elevation, a single wheel supporting the front end of the vehicle and two wheels supporting the rear end thereof, said front wheel being carried on a front fork positioned under the hood portion of the vehicle and between the prongs of said fork.

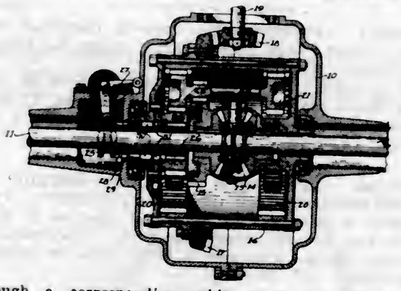
1,586,943. APPARATUS FOR THE MANUFACTURE OF ELECTRIC CABLES. ARTHUR GEOROE BROWN, Manchester, England. Filed July 17, 1925, Serial No. 44,392, and in Great Britain July 25, 1924. 2 Claims. (Cl. 18—6.)



1. Apparatus for the manufacture of electric cables comprising a structure forming a treating chamber, a wheeled carriage arranged to be run into said chamber, means for carrying drums containing cables on said carriage, and exterior driving means for rotating said drums in the chamber, an axle carried by the carriage adapted to be driven by the exterior driving means, frames fixed to and carried by said axle and supports carried between the frames, to which supports drums containing cables are adapted to be fixed so that all points of the peripheries of the drums in turn become the lowermost and thus decentralizing of the copper owing to gravity is prevented.

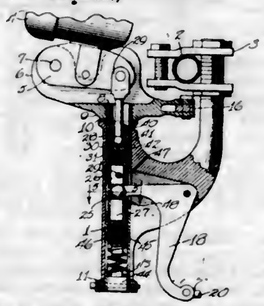
1,586,944. PLANETARY-GEAR MECHANISM. HARRY L. BURKHARDT, Berkeley, Calif., assignor to Rucksteil Sales & Manufacturing Company, Berkeley, Calif., a Corporation of California. Filed May 23, 1922. Serial No. 563,064. 6 Claims. (Cl. 74—99.)

1. In combination with a driving and a driven member a planetary mechanism interposed between, a gear carried by the driving member, a set of planetary pinions meshing with said gear, a sun gear with which said planetary pinions also mesh, a second set of planetary pinions axially aligned with the planetary pinions and moving



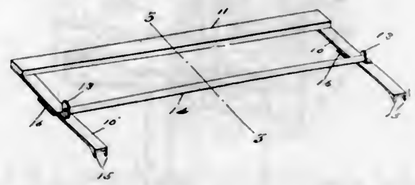
through a corresponding orbit, axles connecting the aligned pinions and means on the axles to actuate said driven member.

1,586,945. DIRIGIBLE HEADLIGHT FOR VEHICLES. JAMES M. CALKINS, Chicago, Ill., assignor to Scott Head Lamp Control, Miami, Fla., a Corporation of Florida. Filed May 5, 1923. Serial No. 636,944. 2 Claims. (Cl. 240—61.)



1. In a device of the type described, a light carrying standard, a tube rotatably carried by said standard, a headlight support pivotally carried by said tube, a light secured to said support, a second tube slidably mounted in said first named tube, resilient means connecting said second named tube with said support, means for moving said second named tube, and resilient means for supporting said second named tube.

1,586,946. SHINGLING GAUGE. EMROY A. CARR, Scotia, Wash. Filed Oct. 14, 1922. Serial No. 594,575. 1 Claim. (Cl. 33—188.)



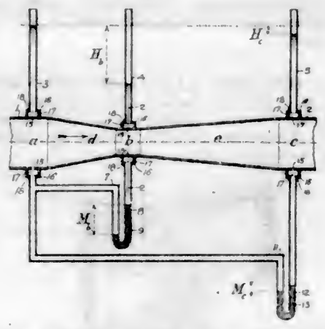
In a shingling gauge, a pair of parallel bars, a gauge bar extending at right angles to and connecting corresponding ends of the parallel bars, penetrating projections formed integral with and extending from the under face of the parallel bars at the ends opposite said gauge bar, a hook shaped element carried by and extending from the underside of each parallel bar toward the gauge bar for engagement with the edge of shingles to position the gauge bar, and a handle extending across and hav-

ing its opposite ends connected to the upper side of the parallel bars respectively at points between the hook shaped elements and penetrating projections.

1,586,947 PRINTING INK. JOHN H. CAUGHLAN, Oakland, Calif. Filed June 18, 1923. Serial No. 646,237. 2 Claims. (Cl. 134—36.)

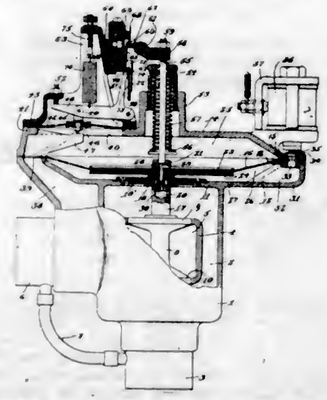
1. A printing ink composed substantially of 23 parts of airblown asphalt, 8 parts linileate of lead, 17 parts carbon black and 52 parts of a binder including a constituent of liquid asphalt.

1,586,948. APPARATUS FOR AND METHOD OF METERING FLUIDS OF HIGH VISCOSITY. FREDERICK N. CONNET, Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 9, 1923. Serial No. 630,839. 4 Claims. (Cl. 73—167.)



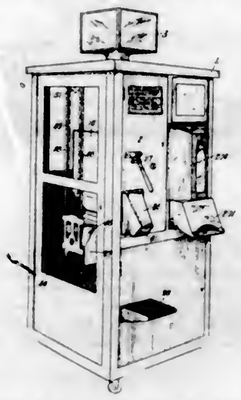
1. In an inferential meter of the Venturi type for indicating the flow of a viscous fluid in a conduit, the combination of a conduit, an internally unmodified Venturi tube comprising converging and diverging sections, said tube being attached to said conduit and having a Venturi head indicating manometer attached thereto and a friction loss indicating manometer attached to the inlet and outlet of said Venturi tube.

1,586,949. CONTROLLING APPARATUS FOR PNEUMATIC DISPATCH SYSTEMS. JAMES T. COWLEY Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed July 12, 1923. Serial No. 651,065. 26 Claims. (Cl. 243—9.)



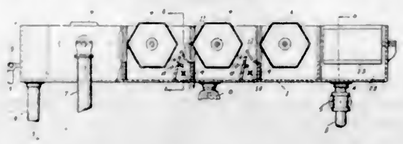
1. A power control apparatus for a pneumatic transmission line comprising a main valve, a motor for actuating it, and a controlling valve for admitting pressure fluid to the motor, said motor being constructed and arranged upon decrease in pressure in the transmission line incident to introduction of a carrier into the latter, to open said controlling valve.

1,586,950. POP-CORN-VENDING MACHINE. GEORGE H. HARTMAN, Toledo, Ohio. Filed July 3, 1922. Serial No. 572,493. 51 Claims. (Cl. 53—4.)



1. In a machine of the class described, a motor, a drum in normally released clutch controlled connection with the motor, a magnet adapted when energized to throw the clutch of said connection to engaged position, an indexing mechanism having an index switch and a master switch, means operable by the motor to periodically move the indexing switch in one direction to close a circuit to said magnet, and means operable by the motor when the magnet operated clutch is in engaged position to operate the indexing mechanism to move the master switch to close the magnet circuit and after a predetermined period to open said circuit and also operable to move the indexing switch to off position after the master switch circuit has been closed.

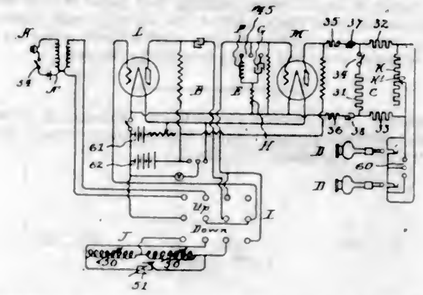
1,586,951. MACHINE FOR TREATING PAPER STOCK. WILLIAM J. HERBOLD, Tonawanda, N. Y. Filed Mar. 26, 1923. Serial No. 627,940. 7 Claims. (Cl. 8—2.)



6. In a machine for treating paper stock, the combination of a plurality of screens, a mixing box disposed between the screens, a baffle board disposed so that the stock is directed downwardly within the box as it enters the same, an agitator disposed within said box, and a fluid supply connection for said box.

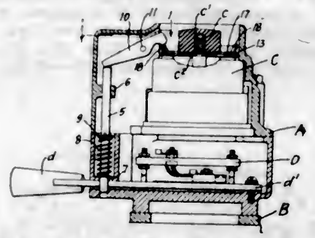
1,586,952. PRECISION INSTRUMENT FOR MAKING A DIFFERENTIAL DIAGNOSIS BETWEEN INTERNAL AND MIDDLE EAR DEAFNESS AND FOR CHARTING THE ACUITY OF HEARING. VERN O. KNUDSEN and ISAAC H. JONES, Los Angeles, Calif. Filed Aug. 30, 1924. Serial No. 735,138. 2 Claims. (Cl. 174—177.)

1. A precision instrument for making a differential diagnosis between internal and middle ear deafness and for charting the acuity of hearing, comprising, in combination, a receiver for use by the patient, an audion bulb amplifier associated with said receiver for amplifying the conversational voice, means for adjusting the degree of amplification to test the hearing of the patient, a tone generator also associated with said parts, means for



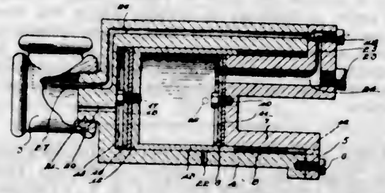
changing the tone to determine the acuity of hearing, a microphone associated with said amplifier and means for selectively connecting either said microphone or said tone generator for use with said remaining parts whereby the simultaneous use of said microphone and tone generator is precluded.

1,586,953. SWITCH MECHANISM. LEON F. MEUNIER, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed July 30, 1924. Serial No. 729,050. 14 Claims. (Cl. 200—50.)



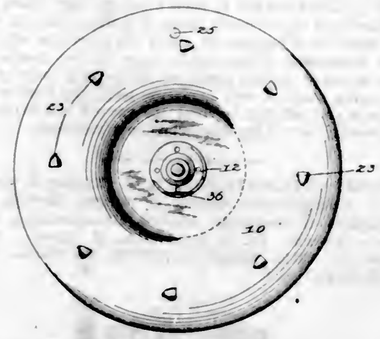
1. In combination, a snap switch and a reversing switch, locking means for said reversing switch comprising a reciprocable member and a lever for actuating the latter, and means on said snap switch cooperating with said lever for controlling said member and for preventing reverse rotation of the snap switch.

1,586,954. LUBRICATOR FOR FLUID MOTORS. JOHN MURDOCH TEMPLETON, Johannesburg, South Africa, assignor to Vacuum Oil Company, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1925, Serial No. 73,555, and in South Africa Dec. 5, 1924. 3 Claims. (Cl. 184—55.)



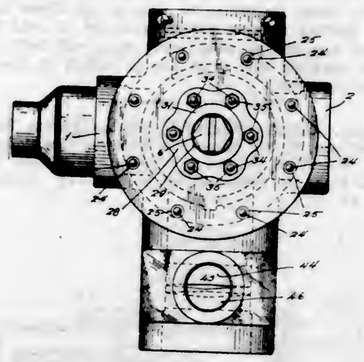
1. The combination with a fluid motor, of a fluid pressure operated lubricator for the motor connected with the fluid supply of the motor to be operated by said fluid supply and discharging in said fluid supply so that the fluid carries the lubricant to the motor, said lubricator having a fluid pressure exhaust port arranged to be uncovered automatically when the lubricant is exhausted to produce an audible signal and simultaneously slow the motor.

1,586,955. VEHICLE WHEEL. WILLIAM A. ANTILOTTI, Atlanta, Ga., assignor of one-half to Edgar C. Jones, Atlanta, Ga. Filed Feb. 23, 1921. Serial No. 447,164. 1 Claim. (Cl. 301—9.)



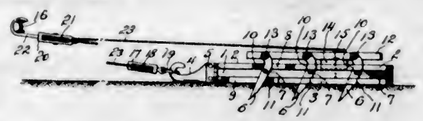
A vehicle wheel comprising a disk section including a hub and a disk extending outwardly therefrom, an auxiliary section including a rim and a spider extending inwardly therefrom, said web and disk nesting together with the latter terminating adjacent said rim, means carried by said spider for engaging the hub, and interengaging means on said spider and disk adjacent the peripheral parts thereof for detachably securing the disk and auxiliary sections together.

1,586,956. COMBINED CONTROL HEAD AND SNUFFER. PAUL ARBON, Tulsa, Okla. Filed Mar. 3, 1924. Serial No. 696,573. 15 Claims. (Cl. 169—4.)



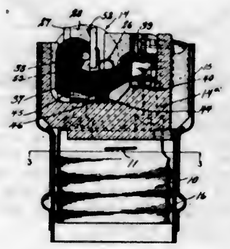
1. In a combined snuffer and control casing head for oil and gas wells, a body member adapted to be connected to the upper end of a well casing and having a central passage way and lateral openings communicating with said passage way, a valve member controlling certain of said lateral openings and said passage way, and ports connecting other of said openings with the passage way and arranged below the valve to permit steam to be fed into the passage way, the central passage way being unobstructed below said valve.

1,586,957. ANCHOR. JOHN F. BELL, Pleasant Hill, Mo. Filed June 10, 1925. Serial No. 36,187. 6 Claims. (Cl. 189—92.)



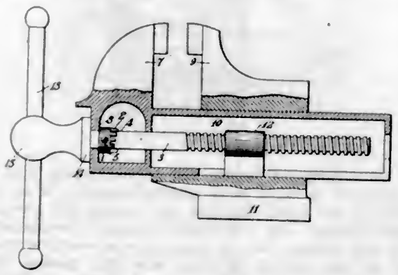
1. An anchor comprising a base consisting of two horizontal members hinged to each other at their front ends and arranged to be swung from a position parallel with each other to a position in which the members will converge forwardly, a removable brace having means for being attached to said members for holding them in the converging position, and anchoring teeth attached to said members and adapted to enter the ground and extending downwardly and forwardly below said members.

1,586,958. PULL-SWITCH SOCKET. REUBEN B. BENJAMIN, Chicago, and CHESTER E. WARNER, Berwyn, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 27, 1920. Serial No. 413,166. 4 Claims. (Cl. 173—354.)



1. A switch construction comprising a switch frame having a bearing post, a pivot pin mounted in said bearing post, a switch blade mounted on said pivot pin and oscillatable back and forth, a spring bearing on said switch blade and shiftable back and forth past a dead center to cause oscillation of said switch blade, and a spring shifting member slidably mounted on said bearing post for shifting said spring back and forth, said member engaging said pivot pin to hold it in place in said bearing post.

1,586,959. SHAFT COLLAR. CHARLES FOSTER BLAKE, Watertown, N. Y., assignor to Prentiss Vise Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,342. 2 Claims. (Cl. 81—17.)

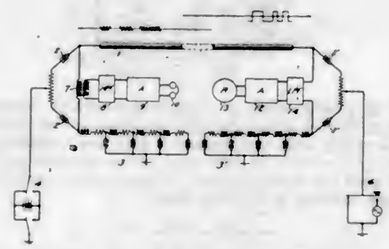


2. In a vise, the combination of a stationary jaw-supporting structure, a screw shaft having an enlarged shoulder at one end thereof and being provided with a plurality of notches, said movable structure being provided with a bearing in which said shaft is adapted to freely rotate, a smooth-bore collar fitting about and freely movable along said shaft, said collar having projections extending from one of the lateral faces thereof to engage in said notches whereby said collar is held immovable on said shaft against the bearing, said projections being of graduated lengths whereby said collar may be adjusted according to the size of the bearing.

1,586,960. EDUCATIONAL DEVICE. BERTINA L. BOWEN, Hollywood, Calif. Filed May 24, 1924. Serial No. 715,531. 8 Claims. (Cl. 35—1.)

1. In means for the teaching of reading, a font of movable phonetic toys comprising representations of objects respectively suitable for onomatopoetic association with different single sounds, said toys initially displaying no letters when disposed upright but being respectively provided with means for optionally displaying a letter or combination of letters by which said sounds may be represented.

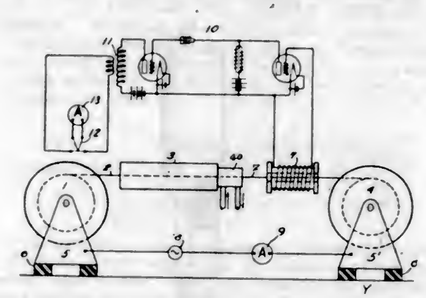
1,586,961. SUBMARINE-CABLE TELEGRAPHY. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 31, 1922. Serial No. 564,798. 7 Claims. (Cl. 178—63.)



1. The method of signaling over a submarine telegraph cable which comprises simultaneously transmitting two trains of signals, one train of signals being transmitted as a series of impulses of variable length and spacing and received with amplitude substantially greater than ordinary extraneous disturbances, and the other being transmitted as a modulated sine wave and received with amplitudes substantially less than such extraneous disturbances.

1,586,962. INDUCTION APPARATUS. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 24, 1922. Serial No. 596,565. 10 Claims. (Cl. 175—183.)

6. The combination with an electric conductor, of means for establishing current therein varying in amplitude, a wire of magnetic material wound spirally upon said conductor to produce a flux which does not lie entirely in planes perpendicular to said conductor, a coil of wire surrounding a portion of said conductor and cut by a portion at least of the resultant flux.



1,586,963. GRATE STRUCTURE. LESTER E. BUDD Philadelphia, Pa. Filed Mar. 6, 1925. Serial No 13,433. 8 Claims. (Cl. 110—33.)

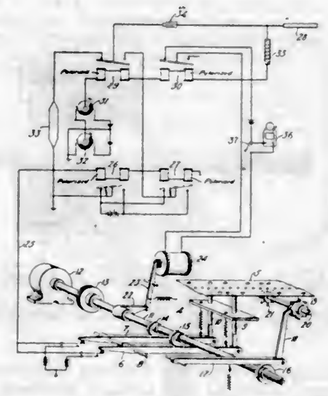
1. In a grate structure, a transverse grate unit consisting of a pivot rod, a grate section hinged thereto and adapted to be swung to positions below and above the plane of the grate surface, a grate section hinged to the rod and adapted to swing below the plane of the grate surface only, and means for actuating the sections.

1,586,964. TANNED LEATHER, FILLER THEREFOR, AND PROCESS RELATING THERETO. CHARLES H. CAMPBELL, Lynn, Mass. Filed Aug. 11, 1924. Serial No. 731,492. 11 Claims. (Cl. 149—6.)

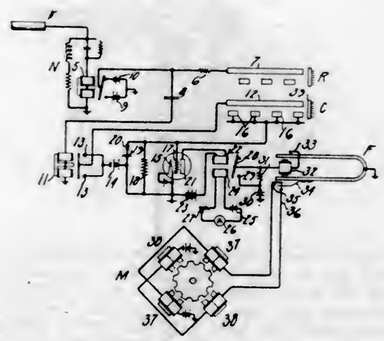
5. The process of improving the substance of tanned leathers which consists in filling the stock with a filler comprising soluble protein derivatives obtained by hydrolytic decomposition of simple proteins of the albuminoid group and afterwards rendering the filler insoluble.

1,586,965. TELEGRAPH SYSTEM. ALLISON ANDREW CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 12, 1920. Serial No. 380,817. 10 Claims. (Cl. 178—3.)

1. A line, transmitting and receiving apparatus at each terminal of said line and means for changing the electrical connection of said transmitting and said receiving apparatus at both terminals to effect a change in the direction of transmission, said means including a switch at each terminal for controlling circuits from said line to said receiving and transmitting apparatus respectively, one of said circuits being opened at said switch when the other is closed at said switch, relay means controlling said switch, and at all times responsive to line current of character different from the signaling current, and means at each terminal operative at all times for affecting said relay means at both terminals substantially simultaneously and independently of energy of signals.

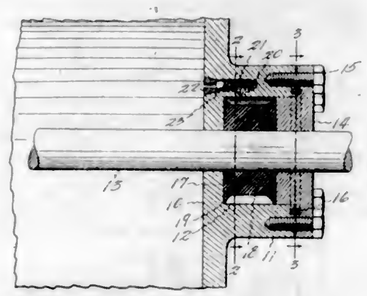


1,586,966. SYNCHRONIZING SYSTEM. ALLISON A. CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 25, 1924. Serial No. 722,199. 8 Claims. (Cl. 178—53.)



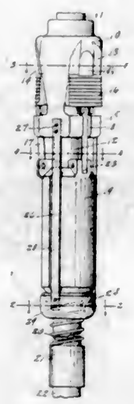
1. In a synchronizing system, an amplifier, a distributor means responsive to signaling impulses transmitted over the line for charging a condenser, means controlled by the charging of said condenser and cooperating with said distributor for varying the potential across the input circuit of the amplifier, a driving mechanism, and means responsive to variations in the output circuit of the amplifier for varying the frequency of said driving mechanism.

1,586,967. PISTON PACKING. CHARLES S. CRICKMER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Apr. 17, 1924. Serial No. 707,277. 1 Claim. (Cl. 286—1.)



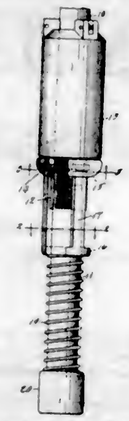
A packing of the character described comprising a relatively thick cylindrical body having a peripheral channel with marginal annular lips reduced to very thin flexible edges having their inner faces curved from the bottom of the channel to their outer edges, the sides of the body being flat and extending in continuous planes radially to the edges of the lips.

1,586,968. DEFLECTOR FOR SLIP-ACTUATING WEIGHTS. CHARLES S. CRICKMER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Apr. 13, 1925. Serial No. 22,721. 8 Claims. (Cl. 103—219.)



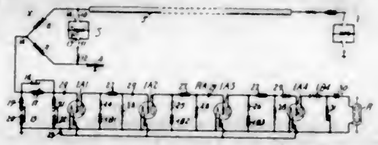
1. The combination with a slip actuated weight and the tubular conductor of a tubing catcher, of an annular deflector collar surrounding and free from said conductor, a support extending upwardly from said collar for holding the same immovable, the top of the collar being contiguous to the lower end of the weight and open to permit a lateral passage of sand and fluid between the weight and collar.

1,586,969. DEFLECTOR FOR SLIP-ACTUATING WEIGHTS. CHARLES S. CRICKMER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Apr. 13, 1925. Serial No. 22,722. 7 Claims. (Cl. 103—219.)



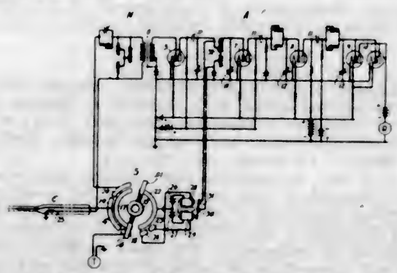
1. In a fluid deflector for a slip actuating weight comprising, a fixed support, a deflector collar fastened on the support, and means resiliently sustained below the collar for movably supporting a slip weight above the collar.

1,586,970. SIGNALING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,709. 40 Claims. (Cl. 178—63.)



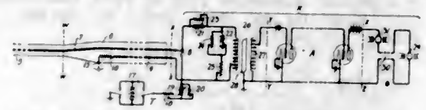
1. In submarine cable telegraph terminal apparatus, signal shaping means comprising two shaping units, each unit producing both a relative phase shift and unequal attenuation of the component frequencies of the signal current, the proportional effects being different in each of the units, and signal identifying apparatus electrically connected to said shaping units.

1,586,971. SIGNALING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 19, 1924. Serial No. 732,900. 12 Claims. (Cl. 178—63.)



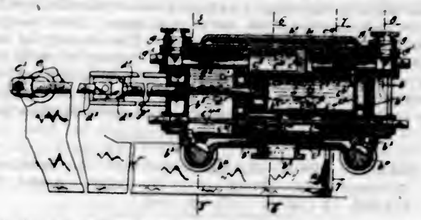
1. In a signaling system comprising a cable, a sending mechanism and a receiving mechanism having an amplifier associated therewith, means for preventing excessive current impulses at the time of completing the circuit between the receiving mechanism and the cable.

1,586,972. SUBMARINE SIGNALING. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 28, 1924. Serial No. 734,581. 26 Claims. (Cl. 178—63.)



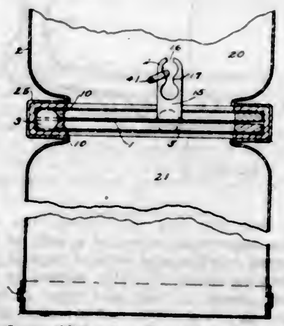
1. In a submarine signaling system, a submarine cable, a receiving circuit comprising an inductive shunt connected between said cable and ground, said inductive shunt having magnetic material in its magnetic circuit, a signal indicating device associated with said inductive shunt, and means to make the impedance of said receiving apparatus as viewed from said cable substantially higher for the component frequencies below the signaling frequency than for those above the signaling frequency.

1,586,973. RECIPROCATING ENGINE. MATTHEW L. DAVIS, Jr., Oak Grove, Ala. Filed Feb. 28, 1922. Serial No. 540,011. 7 Claims. (Cl. 121—51.)



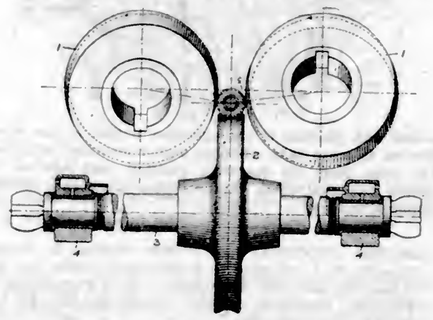
1. In an engine, the combination of a low pressure cylinder, a high pressure cylinder placed within the low pressure cylinder and movable therein and having a head to fit within the low pressure cylinder and having a steam chamber in communication with the interior of the high pressure cylinder, and a high pressure steam inlet pipe fixed in the head of the low pressure cylinder and extended through the head of the high pressure cylinder into said steam chamber.

1,586,974. FLOUR SIFTER. JOSEPH P. DEVLIN, Seattle, Wash. Filed Dec. 14, 1925. Serial No. 75,240. 4 Claims. (Cl. 209—365.)



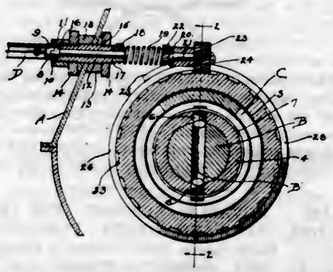
1. In a flour sifter, a substantially circular screen, bearing balls secured in position about the edge of said screen, an annular ball race U-shaped in cross-section enclosing said balls and the edge of the screen, a cylindrical casing surrounding said race, and crimped thereabout between its ends to form two chambers separated by the screen, and means for moving said screen relative to said ball-race and casing.

1,586,975. MILL FOR PIERCING BILLETS. SAMUEL E. DIESCHER, Wilkinsburg, Pa., assignor to S. Diescher & Sons, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1923. Serial No. 659,425. 11 Claims. (Cl. 80—13.)



11. In a piercing mill the combination of reducing members and a guiding member having its peripheral surface moving in a direction of the work-piece being acted on, the radius of such surface being substantially equal to the radii of the surfaces of the reducing rolls and arranged to so support the work-piece being reduced that its center line will lie in a plane outside of but parallel with the line of intersection of the planes coincident with the axes of the reducing rolls and the narrowest portion of the pass between the said reducing rolls.

1,586,976. SPEEDOMETER DRIVE MECHANISM. GEORGE D. DIGGS, Knoxville, Tenn. Filed Oct. 10, 1924. Serial No. 742,920. 7 Claims. (Cl. 74—7.)

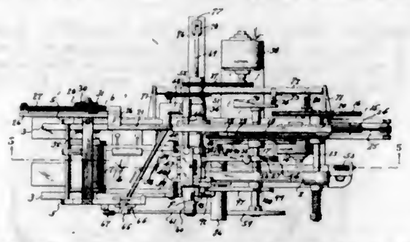


1. In a speedometer drive mechanism, the combination of a transmission casing, a drive plate in the transmission casing, a clutch spring support upon the drive plate shaft and turning with the same, and means for transmitting rotary movement from the clutch spring support to a speedometer shaft, including a yieldable shafting journaled at its inner end upon said spring support.

1,586,977. MACHINE FOR MAKING TUBULAR WRAPPERS FOR COINS, ETC. EDWARD P. DONNELLAN, Brooklyn, N. Y., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 11, 1925. Serial No. 8,387. 8 Claims. (Cl. 93—81.)

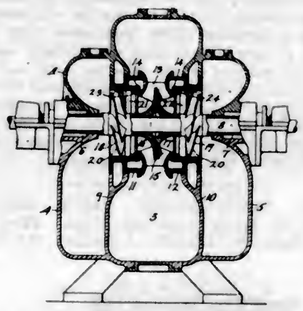
8. In a machine of the kind described, the combination with a rotary mandrel upon which paper is wound, of an ejector member extending axially through and

toward the free end of said mandrel, a yieldable head-disk carried by said ejector member, a spring pressed crimping means for inwardly turning and annularly crimping one end of the paper wound on said mandrel, said yieldable head-disk cooperating with said crimping



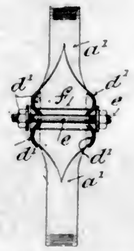
means and yielding to the operative action of the same, devices to move said crimping means into and withdraw the same from its operative position, and devices for timing and controlling the operative movements of said crimping means.

1,586,978. CENTRIFUGAL PUMP. OSCAR H. DORER, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 3, 1921. Serial No. 442,043. 18 Claims. (Cl. 103—88.)



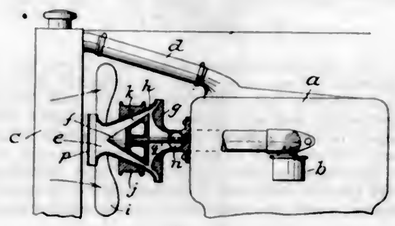
1. The combination with a casing having suction and discharge means, of a rotary impeller drawing fluid through the suction means and delivering through the discharge means, and variable pitch screw means in the suction means imparting rotational velocity and increasing axial velocity to the fluid before entering the impeller.

1,586,979. MOVABLE SUPPORT FOR ELECTRIC LIGHTS, GAS, AND OTHER PURPOSES. JOHN DUGDILL, Hazel Grove, near Stockport, England. Filed Feb. 21, 1923, Serial No. 620,549, and in Great Britain May 12, 1922. 1 Claim. (Cl. 257—92.)



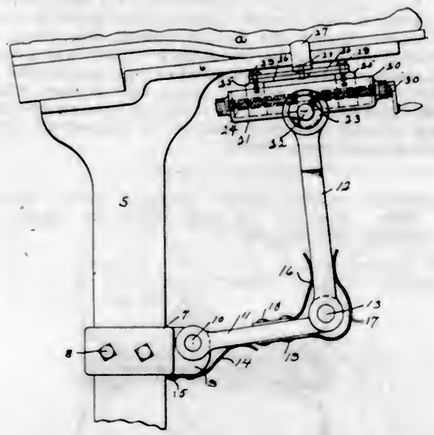
A knuckle-jointed structure comprising two tube elements circular in cross-section, each tube being shaped and slit to produce forks having round ears, said ears being expanded or enlarged, the enlarged ends being dished to produce concavities, the dished ends socketing and nesting together and producing enlarged spherical areas contacting over the entire faces, the nesting dished spherical extremities being separated by an interposed sleeve and articulating upon a bolt with nuts and washers, all in combination and for the purposes related.

1,586,980. AIR CLEANER FOR AUTOMOBILE CARBURETORS. ELEUTHERE PAUL DU PONT, Montchanin, Del. Filed May 21, 1923. Serial No. 640,302. 6 Claims. (Cl. 183—77.)



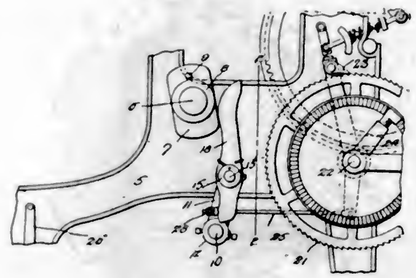
1. An air cleaner for carburetors comprising an air inlet for a carburetor, a fixed member in front of said inlet, a rotatable member in front of said fixed member and forming therewith a narrow annular laterally opening port in communication with said inlet, there being a stream line passage beyond said port for air carrying dirt, whereby the setting up of an eddy current at said port is avoided, and means to rotate said rotatable member whereby air adjacent said annular port will be subjected to centrifugal action and solid matter removed therefrom.

1,586,981. SHOE CLAMP. EMMETT W. ENTRIKEN, Baltimore, Md. Filed Oct. 30, 1923. Serial No. 671,085. 2 Claims. (Cl. 15—267.)



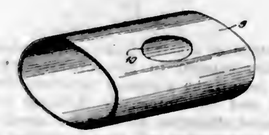
1. In a foot rest and shoe clamp, the combination with a shoe supporting stand, of a pair of arms pivotally connected together and secured to said shoe stand, a shoe clamping means pivotally secured to one of said arms, spring means to hold said arms at substantially right angles to one another, and a second spring means secured to the stand and engaging said arm to normally urge said arms and clamp in the direction of said shoe stand.

1,586,982. LET-OFF ATTACHMENT FOR LOOMS. JOSEPH EPPS, Williamston, S. C., assignor of one-half to Thoss Ivory Barber, Williamston, S. C. Filed Aug. 28, 1923. Serial No. 659,717. 4 Claims. (Cl. 139—110.)



1. In combination, a cam shaft projecting beyond one end of a loom frame, a two-point cam fixed upon the projecting end of said cam shaft, a warp iron bracket projecting beyond the end frame of the loom below said cam shaft, a pin supported from said warp iron bracket and having a cam lever pivoted thereon, means yieldingly and normally engaging one end of the lever with said cam, a ratchet wheel forming part of a let off mechanism and having a control lever associated therewith, said control lever having a pawl operatively engaging the teeth of said ratchet wheel, a driving rod for said control lever extending loosely through the other arm of said cam lever, and an abutment adjustably mounted upon said driving rod whereby the latter is caused to be pulled upon when the cam lever is swung by said cam for causing operative movement of the control lever.

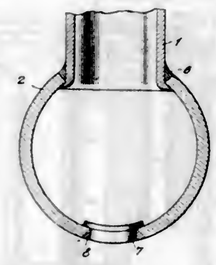
1,586,983. GAME. LOUIS WATSON FARQUHAR, New York, N. Y. Filed Sept. 15, 1925. Serial No. 56,460. 5 Claims. (Cl. 273—144.)



1. A game device including a container having a plurality of chambers and an opening through the wall at each chamber, the container having a neck with which one chamber communicates and provided with a transparent wall, a plurality of consecutively numbered game pieces, the neck being of a length and cross section to receive a file of a selected number of game pieces.

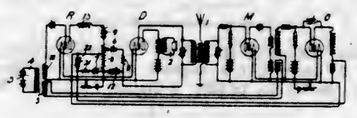
1,586,984. HEADER CONNECTION. ERNEST H. FOSTER, Dongan Hills, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed July 9, 1920. Serial No. 394,984. 1 Claim. (Cl. 285—56.)

The combination with a main pipe or tube, having two oppositely disposed holes in its walls, one having outwardly bevelled edges, of a second tube, the end of which is inserted through one hole and expanded into union with the main tube, a welding material applied around the said second tube and the rim of the hole



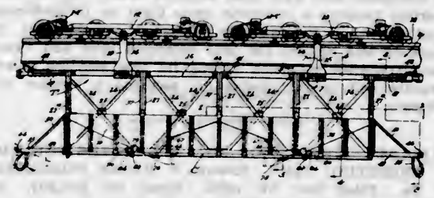
through which it is inserted and a flanged plug closing the other hole and welding material applied around it and the rim of said hole.

1,586,985. DUPLEX CARRIER-WAVE TRANSMITTING AND RECEIVING SYSTEM. HARALD TRAP FELIS, Red Bank, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1921. Serial No. 525,318. 15 Claims. (Cl. 250—13.)



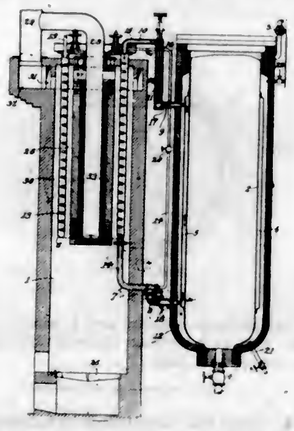
1. A signaling station comprising means for transmitting signals to a distant point, cooperating means including a space discharge path for receiving and indicating signal energy transmitted from a distant point, and means controlled by signals to be transmitted and operating on said discharge path to render said receiving means inoperative during transmission while maintaining the condition of ionization of said path constant.

1,586,986. GONDOLA FOR SUSPENDED MONORAILWAYS. LEWIS A. FRYE, Los Angeles, Calif. Filed Mar. 5, 1924. Serial No. 697,016. 13 Claims. (Cl. 105—152.)



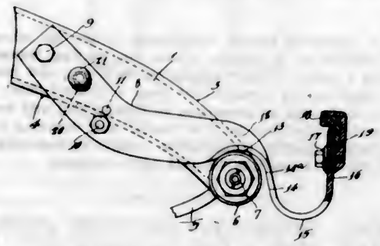
1. In a framework for suspended monorail cars, a central truss, car suspension means secured to the truss, lateral load bearing stringers extending from and secured to the truss, and side frame secured to and supported, in main, by attachment to the lateral stringers, all in a manner whereby stress and strain set up in the side frame and stringers are, in main, transmitted to the central truss.

1,586,987. HEATING METHOD AND APPARATUS. FRANCIS X. GOVERS, New York, N. Y. Filed Apr. 2, 1921. Serial No. 458,030. 11 Claims. (Cl. 126—371.)



1. Process for thermally treating a charge under temperature-controlled conditions, comprising mechanically circulating a temperature-controlling medium in thermal contact but out of physical contact with the charge, said medium being solid at normal temperature but liquid and stable at the operating temperature.

1,586,988. BUMPER-BRACKET CONSTRUCTION. JOSEPH C. GRIFFIN, Los Angeles, Calif. Filed Mar. 18, 1925. Serial No. 16,420. 6 Claims. (Cl. 293—55.)

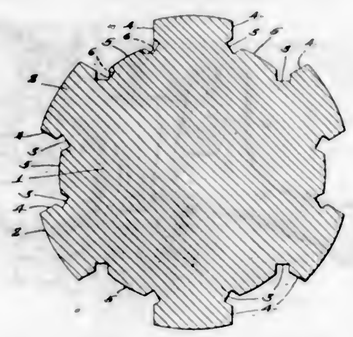


5. A bumper-bracket consisting of a bar having means for securing the same to the automobile frame, and having a combined bend and twist disposed toward its forward portion forming a relatively large bight on its underside and having a substantially U-shaped extension at its forward end beyond the said combined bend and twist, said U-shaped extension having its bow disposed downwardly and having means for securing a bumper bar thereto.

1,586,989. METHOD OF AND APPARATUS FOR DISTRIBUTING CARS. EDWARD P. HAINES, Philadelphia, Pa. Filed Mar. 31, 1922. Serial No. 548,307. 30 Claims. (Cl. 104—26.)

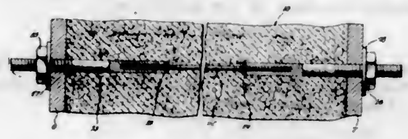
6. The combination with car propelling means and a car, of a device for automatically determining the velocity of said means necessary to overcome a co-determined frictional resistance to movement of said car.

1,586,990. SPLINE SHAFT. HENRY P. HARRISON, Syracuse, N. Y. Filed Apr. 22, 1924. Serial No. 708,281. 3 Claims. (Cl. 64—29.)



1. A splined shaft formed with grooves at the corners of the sides of the spline and the bottom of the space between the splines of such groove.

1,586,991. CONSTRUCTION OF MONOLITHIC STRUCTURES. JOHN B. HAWLEY, Jr., Fort Worth, Tex. Filed Sept. 2, 1924. Serial No. 735,247. 4 Claims. (Cl. 25—131.)

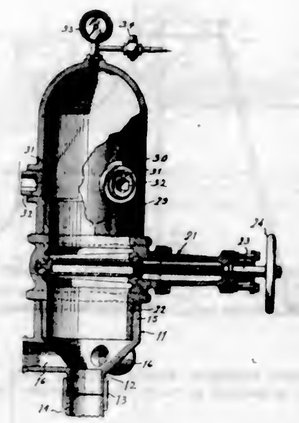


1. The method of constructing concrete structures and the like which consists in first pre-assembling a three part tie rod comprising a smooth exteriorly threaded connecting rod, and two internally threaded and socketed end sections of diameter at least as great as the diameter of the connecting rod, then in setting up the sidewalls of a form provided with aligned holes of a diameter as great as the diameter of the end sections, then inserting the pre-assembled tie rod through the aligned holes to have its outer ends projecting beyond the respective walls of the form, then threading nuts onto the projecting ends of the tie rod sections until said nuts bear against the side walls of the form, then in pouring concrete between the walls, then in turning back one of the end sections to unthread it from the connecting rod, and withdrawing the rod, and then withdrawing the other end sections, substantially as described.

1,586,992. WELL-CAPPING DEVICE AND CONTROL HEAD. ALBERT ORVALL HESSEMER, Fullerton, Calif. Filed Feb. 18, 1924. Serial No. 693,600. 4 Claims. (Cl. 166—15.)

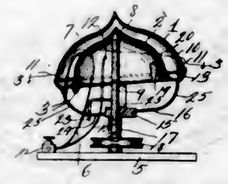
1. The combination with a casing head including upper and lower portions, of a valve removably secured to said upper and lower portions, means for operating said valve,

a plurality of independent outlets in said lower portion, means for closing each outlet, a plurality of outlets in



said upper portion, means for closing said upper outlets, said upper portion including an air chamber, said upper outlets being arranged below the top of the air chamber.

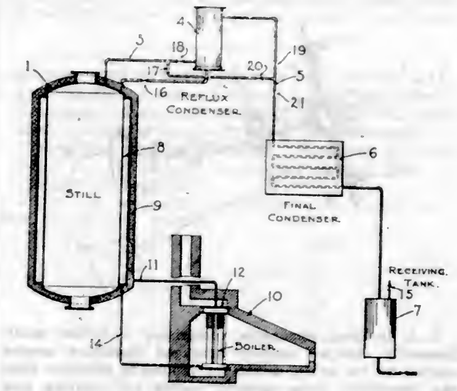
1,586,993. ELECTRIC SWITCH. HENRY A. HOESCHEN Omaha, Nebr. Filed Nov. 25, 1924. Serial No. 752,126. 2 Claims. (Cl. 200—32.)



1. An electric switch comprising an inverted semi spherical double wall member having a chamber therein and a fluid raceway adjacent its lower end, a supporting member, said supporting member having an axially disposed bearing within the inverted member, a conductor member within the inverted member adjacent the raceway, a downwardly extending yoke carried by the inverted member, a rotatable eccentric cooperating with said yoke for oscillating the inverted member, a guide arm for guiding said inverted member in its oscillatory movement and a plurality of conductor members extending into the depression in the bottom of the raceway.

1,586,994. ART OF CONVERTING HYDROCARBON OILS INTO LOWER BOILING PRODUCTS. FRANK A. HOWARD, Elizabeth, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Aug. 16, 1922. Serial No. 582,113. 4 Claims. (Cl. 196—119.)

3. Process of cracking hydrocarbons, comprising heating mercury in a closed system to a temperature above 700° F., subjecting the hydrocarbons to indirect heat of the mercury vapor at such temperature, whereby the

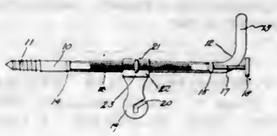


hydrocarbons are cracked by uniformly applied heat, taking off vaporous cracked products, and condensing the same.

1,586,995. AUTOMATIC TELEPHONE DIAL. FRANK W. HOWARD, New York, N. Y., assignor of one-fourth to Samuel P. Connor, Maplewood, N. J., and three-eighths to Joseph W. Smith, New York, N. Y. Filed Oct. 29, 1925. Serial No. 65,628. 4 Claims. (Cl. 179—90.)

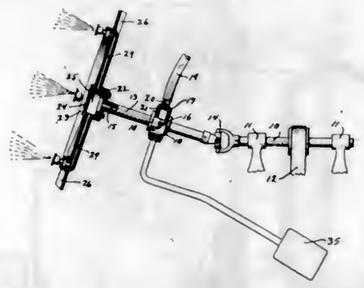
2. In combination with the finger plate of automatic telephone mechanism of the character designated, an elastic resilient dial plate positioned under said finger plate and normally contacting therewith and having index characters coincident with the peripheral holes in said finger plate, for the purpose and substantially in the manner set forth.

1,586,996. COMBINATION CURTAIN AND SHADE HOLDER. WILLIAM HUCK, New York, N. Y. Filed July 19, 1924. Serial No. 726,945. 2 Claims. (Cl. 156—24.)



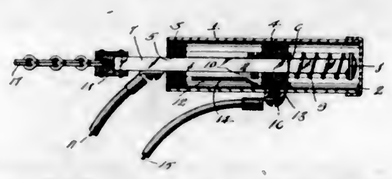
1. In a device of the class described, a horizontal bar having an up-turned end, a plate, a saddle on said plate, said saddle being adapted to receive the bar slidably, a lug on the side of said plate having a threaded opening therein, a pair of spaced apart ears on said bar, a threaded spindle rotatably mounted in said ears and cooperating with said lug, said spindle being mounted in fixed position, said spindle when rotated being adapted to shift the plate member longitudinally on the bar, and means for rotating said spindle.

1,586,997. SPRAYING APPARATUS. ARTHUR B. HULL, Gasport, N. Y. Filed Apr. 10, 1922. Serial No. 550,949. 3 Claims. (Cl. 261—30.)



1. A spraying apparatus comprising a hollow shaft, forwardly directed radially arranged atomizing nozzles carried by the shaft, means for producing pressure upon the insecticide being sprayed, means for rotating said shaft to create centrifugal action upon the insecticid supplied to said nozzles, and means for universally ad justing the angular position of the apparatus, whereby the atomized liquid is forced in any desired direction.

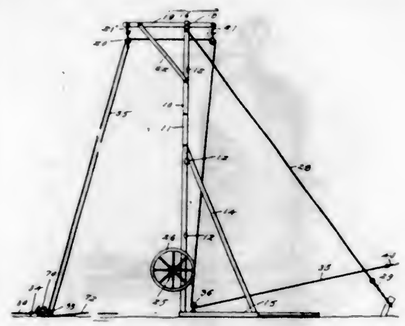
1,586,998. ELECTRIC SWITCH. SHUMEN R. JACKSON, Syracuse, N. Y., assignor of one-half to Lewis J. Morgan, Syracuse, N. Y. Filed Jan. 10, 1923. Serial No. 611,897. 2 Claims. (Cl. 200—161.)



1. An electric switch comprising a tubular housing having spaced apart heads formed with guide openings, a movable switch member slidable in the openings lengthwise of the housing, a switch contact carried by the switch member within the housing, a contact fixed in the housing and having a portion extending lengthwise of the switch member in the path of the contact thereon, said housing comprising two lengthwise sections secured together at like edges and having their other edges meeting and formed with outwardly extending supporting flanges for attachment to a support, substantially as and for the purpose set forth.

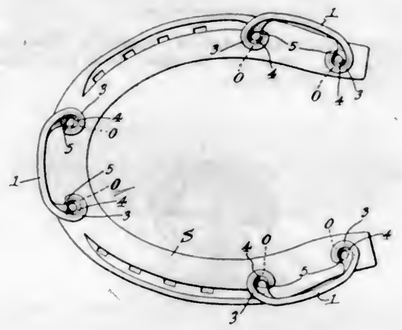
1,586,999. COMBINATION HAY STACKER AND LOADER. EDGAR C. JENSON, Mankato, Minn. Filed Dec. 4, 1923. Serial No. 678,523. 2 Claims. (Cl. 254—139.)

1. A hay stacker comprising a normally horizontally disposed base, a pair of divergent standards extending verticnlly therefrom and connected together at their upper ends, a beam pivotally mounted to the upper ends of the standards, links pivotally connected with the beam and standards, one end of each of the links being detachably connected to the beam whereby to permit such beam and the links to extend in the same plane as the standards when not in use, pulleys carried by the beam, a flexible element trained over the pulleys, a hay sling operatively connected with the flexible element, and ground engaging wheels carried by the standards, the structure being adapted to be arranged in a position where the standards will be disposed horizontally and



the ground engaging wheels engaged with the ground when it is desired to move the structure from place to place.

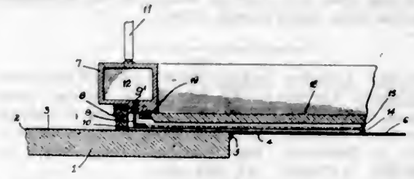
1,587,000. CALK. EVERETT R. JONES, Wyandotte, Mich., assignor of one-half to Carl Benthien, Detroit, Mich. Filed Jan. 28, 1926. Serial No. 84,398. 2 Claims. (Cl. 168—41.)



1. A calk for horseshoes including an arcuate plate, inwardly curled terminal portions extending from the plate and tapered to constitute attaching lugs, said lugs being contractible when forced into openings in a horseshoe, and an ear extending from an intermediate portion of the plate for engaging the outer edge of a horseshoe and projecting above the shoe to constitute hoof-engaging means.

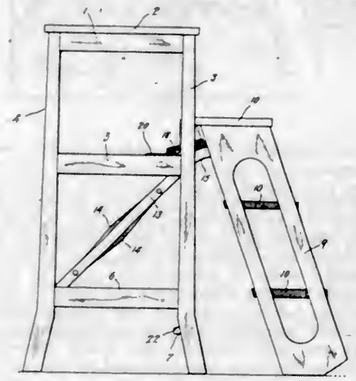
1,587,001. APPARATUS FOR AND METHOD OF PRINTING FROM PHOTOGRAPHIC PLATES ONTO SENSITIZED SURFACES. HARRY C. JONES, Larchmont, N. Y., assignor to Lithoprintex Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 620,869. 9 Claims. (Cl. 95—76.)

1. In apparatus of the character described, the combination of a support for a sensitized surface, means operatively related thereto forming an extension thereof and having a surface forming in effect a continuation of a portion of the sensitized surface, a vacuum frame for printing from a photographic plate onto said portion of the sensitized surface, means for sealing off from the atmosphere said portion of the sensitized surface and such part of the adjacent surface as coincides with said



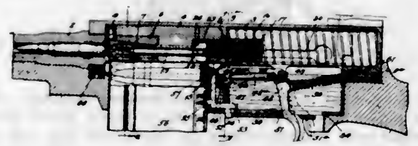
printing frame, and means of communication for exhausting the air from over the sealed off surfaces to force the photographic plate into contact with said portion of the sensitized plate.

1,587,002. COMBINATION TABLE AND STEPLADDER. SIMON JONES, New York, N. Y. Filed Jan. 12, 1926. Serial No. 80,818. 2 Claims. (Cl. 228—30.)



1. In an article of furniture, the combination of a table provided with a pair of angle irons; a rod adapted to rest in the angles of said angle irons; a pair of links mounted on said rod; and a step ladder to which said links are pivotally attached.

1,587,003. AUTOMATIC FIREARM. JOHN T. KEWISH, New York, N. Y. Filed Sept. 7, 1921. Serial No. 499,014. 23 Claims. (Cl. 42—3.)



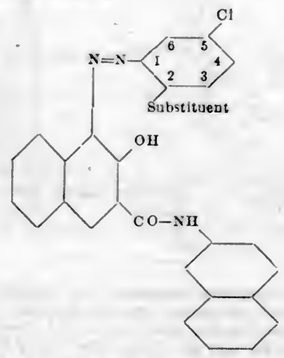
1. A breech mechanism comprising in combination a bolt, an independent reciprocatory single-piece actuator which receives power directly from the recoil force recessed to carry said bolt slidably within itself, and means on said bolt and actuator for moving said bolt into locked and unlocked positions.

6. In combination with automatic breech mechanism comprising a firing pin, a sear adapted to engage said firing pin, a trigger having a partly drawn position and a fully drawn position in the former of which the sear is withdrawn from engagement with the firing pin and held down and in the latter of which the sear is released and arrests the firing pin.

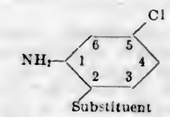
8. In an automatic gun mechanism in combination an actuator, a hand cocking and locking piece mounted on said actuator, a hood or cap mounted on said actuator, and a single piece acting as retaining means for said cocking and locking piece and as locking means for said hood.

1,587,004. AZO DYESTUFFS AND PROCESS OF MAKING SAME. AUGUST LEOPOLD LASKA and ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Mar. 31, 1925, Serial No. 19,736, and in Germany June 7, 1924. 9 Claims. (Cl. 260—95.)

4. As new compounds the azodyestuffs having probably the general formula:



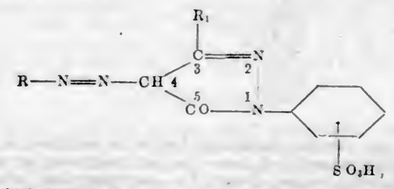
which are when dry yellowish red to claret-red powders, soluble in sulfuric acid to a violet solution, yielding upon reduction with stannous chloride an anilin-derivative of the formula:



and β-naphthalid of 1-amino-2-hydroxy-naphthalene-3-carboxylic acid, adapted, when mixed with the usual substrata, for the production of valuable color lakes and yielding, when produced on the fiber, dyeings, which are distinguished by clearness of shade and excellent fastness, particularly to kier-boiling.

1,587,005. YELLOW MONOAZO DYESTUFFS AND PROCESS OF MAKING SAME. AUGUST LEOPOLD LASKA and FRITZ WEBER, Offenbach-on-the-Main, Germany, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Sept. 10, 1925, Serial No. 55,629, and in Germany Sept. 20, 1924. 6 Claims. (Cl. 260—87.)

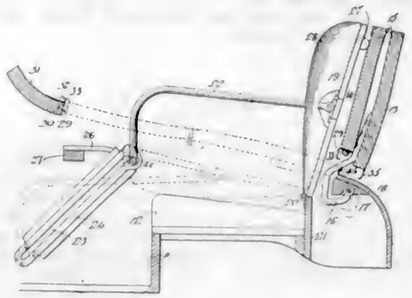
1. As new compounds yellow monoazodyestuffs, corresponding probably in the state of free acids to the general formula:



in which formula R represents the residue of a body of the diphenyl series, R_1 represents the group CH_3 or COOH, which dyestuffs are when dry yellow powders, soluble in

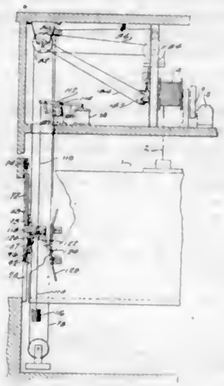
water to a yellow solution, yielding on reduction with stannous chloride a monoamin of the diphenyl series and a 4-amino-1-sulfoaryl-5-pyrazolon body and dyeing wool in yellow shades, especially fast to milling.

1,587,006. CONCEALED EMERGENCY SEAT STRUCTURE FOR AUTOMOBILES. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 6, 1919. Serial No. 336,057. 14 Claims. (Cl. 296—66.)



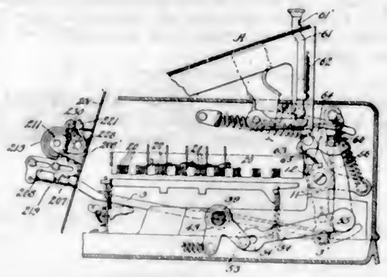
1. In a concealed emergency seat structure for automobiles, the combination with an automobile body having an emergency seating space, and a seat arranged therein, of a cover for said space, said cover being hinged to the body, projections carried by the cover, and seats formed in the body to receive said projections when the cover is closed, to hold the same against looseness or rattle.

1,587,007. DOOR-OPERATING MECHANISM FOR ELEVATORS. CLIFFORD NORTON, Orange, and NEVILLE S. DICKINSON, Glen Ridge, N. J., and JOHN G. GUSTAFSON, New York, N. Y., assignors to Elevator Supplies Company, Inc., Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 11, 1921. Serial No. 506,959. 30 Claims. (Cl. 187—52.)



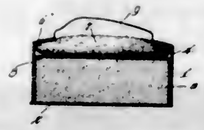
20. An elevator mechanism having in combination a hatchway, a series of doors for said hatchway, a car, car hoisting means, means for controlling the hoisting means to start and stop the car, means for operating the doors, a single electro-magnetic device, means controlled by said device and thrown into operation upon stopping the car, and means controlled by the car cooperating to cause the doors to remain closed during the normal running of the car and to cause the opening of the door at a floor at which the car is stopped while the other doors remain closed.

1,587,008. ADDING AND AMOUNT DENOMINATIONALIZING MACHINE. ALEXANDER E. SORUM, Terre Haute, Ind., assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 3, 1914. Serial No. 854,837. 5 Claims. (Cl. 235—60.)



1. The combination with an adding machine comprising accumulating mechanism and means for listing amounts accumulated by said mechanism, a keyboard including numeral keys for controlling the amounts accumulated in said accumulating mechanism, a main actuator for effecting operation of the accumulating device; of a plurality of counters each adapted for counting units of different values or denominations going to make up the various amounts accumulated and listed by the adding machine, selector means for said counters controlled by said keys, operating means for said counters associated with the main actuator, and means comprising a manipulative device on said key-board for preventing operation of the counters by the main actuator while permitting the normal adding operations.

1,587,009. POWDER BOX. DOROTHIE BOBBÉ, New York, N. Y. Filed Sept. 24, 1923. Serial No. 664,347. 1 Claim. (Cl. 132—82.)

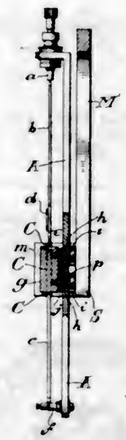


A powder box comprising a base powder receptacle, an open topped cover fitting over the receptacle walls, and provided with a flange around its upper open rim and a transverse partition above the upper rim of the base, constituting a receptacle adapted to contain a powder puff out of contact with the powder receptacle.

1,587,010. GALVANOMETER. WALTER R. COLBY, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1924. Serial No. 700,577. 19 Claims. (Cl. 171—95.)

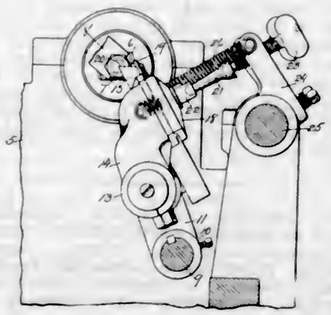
1. The method of decreasing the torque exerted by its suspension upon a galvanometer coil deflecting in a magnetic field which comprises modifying the magnetic field in which the coil moves to effect upon the coil

in opposition to the torque of the suspension a torque due to the action of said magnetic field upon magnetic material disposed in said field and controlled by said suspension.



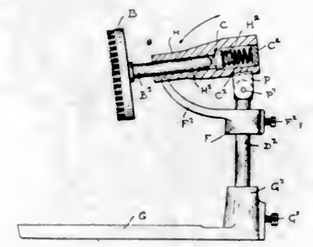
4. The combination with a galvanometer comprising a coil deflecting in a magnetic field when traversed by current, and means producing a torque opposing deflection of said coil, of magnetic material disposed in said field and movable with said coil, and means for modifying said magnetic field to produce by the action of said field upon said magnetic material a torque of such magnitude and effective in such direction as materially to increase the sensitivity of the galvanometer.

1,587,011. TOOL SUPPORT FOR METAL-CUTTING MACHINES. REUBEN S. CROSBY, Hartford, Conn., assignor to The Asa S. Cook Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 21, 1922. Serial No. 589,595. 6 Claims. (Cl. 10—101.)



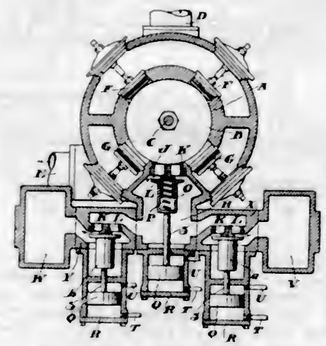
1. A tool support for metal cutting machines, said support comprising a member rotatably adjustable on a tool positioning axis, a tool post mounted in an inclined position on an inclined angle determining axis on said member, and rotatably adjustable thereon, and means for securing a tool to said post.

1,587,012. BRUSH FOR CLEARING THE NOIL FROM THE COMB CIRCLES OF COMBING MACHINES. ELLIS HOPWOOD, Bradford, England. Filed July 1, 1925, Serial No. 40,818, and in Great Britain Apr. 27, 1925. 5 Claims. (Cl. 19—123.)



1. A combing-machine brush, comprising a supporting member, a brush holder pivoted to said member for angular movement in a vertical plane, and a brush having a stem mounted for rotation in said holder.

1,587,013. MULTIPLE CLEARANCE CONTROL. FREDERICK VAN DUZER LONGACRE, Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 19, 1925. Serial No. 63,306. 3 Claims. (Cl. 230—24.)

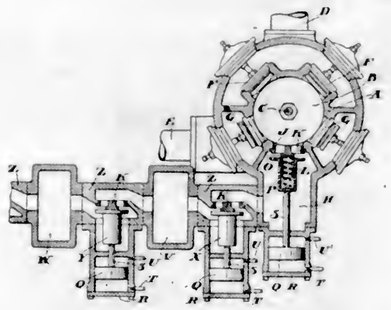


1. In a compressor, the combination of a cylinder, inlet and discharge valves, a main clearance chamber, a main clearance valve between said chamber and the cylinder, and auxiliary clearance chambers and clearance valves adapted to communicate in multiple with said main clearance chamber, whereby one or more clearance chambers may be opened for step-by-step unloading.

1,587,014. SERIES CLEARANCE CONTROL. FREDERICK VAN DUZER LONGACRE, Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 19, 1925. Serial No. 63,307. 2 Claims. (Cl. 230—24.)

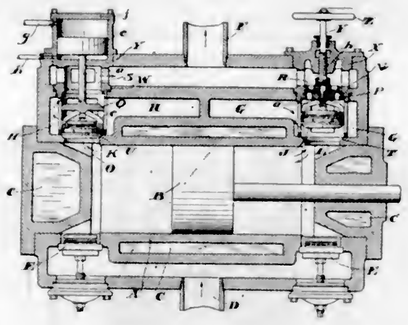
1. In a compressor, the combination of a cylinder, inlet and discharge valves, a main clearance chamber,

a main clearance valve between said chamber and the cylinder, and auxiliary clearance chambers and clearance valves adapted to communicate in series with said main



clearance chamber, whereby one or more clearance chambers may be opened in series for step-by-step unloading.

1,587,015. CLEARANCE UNLOADER. FREDERICK VAN DUZER LONGACRE, Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 19, 1925. Serial No. 63,309. 2 Claims. (Cl. 230—24.)



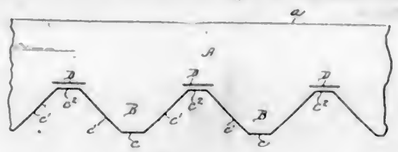
1. In a compressor, the combination of a cylinder and piston, an inlet valve, a discharge connection, a clearance chamber intermediate the cylinder and said discharge connection, and a double discharge valve having a main valve and an auxiliary valve connected together as a unit and alternately controlling communication between the clearance chamber and the cylinder, and the clearance chamber, and the discharge connection, respectively.

1,587,016. CALKING COMPOUND. JAMES S. MCGILL, Avalon, Pa. Filed July 9, 1925. Serial No. 42,578. 1 Claim. (Cl. 106—8.)

A calking compound composed of the following ingredients, combined in the ratio indicated by the figures given; whiting, 335 pounds; linseed oil, 11 gallons; asbestos, 25 pounds; tallow, 1 gallon.

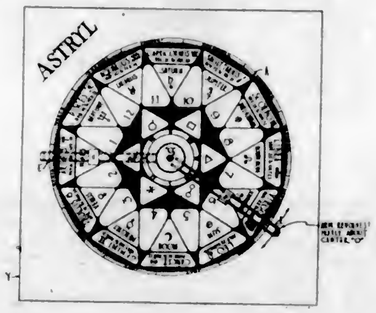
1,587,017. FLEXIBLE SHINGLE. HUGH MCINNES, Jersey City, N. J. Filed Feb. 28, 1923. Serial No. 621,719. 6 Claims. (Cl. 108—8.)

1. Shingles in strip form comprising a body portion having on one margin a plurality of tabs and provided in the body portion with a plurality of slots each occupying a definite relation to the interval between two ad-



jacent tabs, the shingles being assembled for the free ends of overlying tabs to enter the slot in the body of an underlying shingle strip.

1,587,018. ASTROLOGICAL CHART AND INDICATING DEVICE. KARL MANAHAN, Flushing, N. Y. Filed June 6, 1924. Serial No. 718,395. 1 Claim. (Cl. 273—161.)



A game apparatus of the character described; comprising an astrological chart upon which are indicated the twelve signs of the zodiac, the nine planets used in astrology, two lunar positions, (north node, and south node), one position known as Pars Fortuna, numerals from 1 to 12 inclusive, indicating the twelve fold division known as the mundane houses; five of the aspects known to astrology; symbol R for retrograde; symbol + for positive, symbol — for negative; twelve months of the year with the days therein indicated; also the cardinal points of the compass in combination with an indicating device, the arm of which rotates freely about the centre of the chart, and an indicator block and point freely movable along said arm, the movement of said point and arm being caused by the involuntary action of the operator's hands causing said point to indicate any position on said chart, the resulting indications indicating communication in answer to questions or otherwise, in the interpretation of which recourse may be had to works on astrology.

1,587,019. PROCESS OF QUICK TANNAGE BY MEANS OF THE ONE-BATH METHOD. FRANZ MERKEL, Offenbach-on-the-Main, Germany, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany, a Corporation. Filed July 18, 1922, Serial No. 575,763, and in Germany Aug. 1, 1921. 7 Claims. (Cl. 149—5.)

1. A process of quick tannage with a solution of a trivalent chromium salt, by the one-bath process, which comprises applying the metal salt directly to the hide in the form of a highly concentrated solution, and thereby reducing to a minimum any injury to the hide by protracted contact of the leather undergoing treatment with the products of electrolytic dissociation in the tanning liquor during the tanning process.

1,587,020. METHOD OF MAKING WHEEL RIMS. ANDRÉ JULES MICHELIN, Paris, France. Filed July 31, 1922. Serial No. 578,733. 9 Claims. (Cl. 29—159.)

1. The method of making wheel rims comprising the taking of a strip of varying cross-section, bending said strip and uniting the ends thereof to form a continuous cylindrical band, and flanging said cylindrical band along its zones of greater section.

8. As an article of manufacture, a length of strip material for forming wheel rims having a transverse section of a width sufficient to form the complete rim section, a thickness at bend points sufficient to guard against rupture in the forming operation and to give adequate strength to the completed rim, and a thickness intermediate the bending zones on opposite sides less than the thickness aforesaid, whereby rims of greatly increased lightness may be formed.

1,587,021. FISHING TOOL. GUSTAVUS A. MONTGOMERY, Titusville, Pa., assignor to Titusville Forge Company, Titusville, Pa., a Corporation of Maryland. Filed Feb. 25, 1924. Serial No. 694,853. 8 Claims. (Cl. 294—86.)

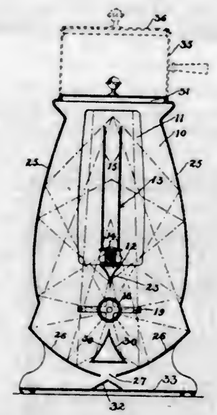
1. A fishing tool of the character described, comprising a body having a bore and openings in its sides communicating therewith, one of the opposing walls of each opening having a recess therein, a transverse pivot pin arranged in said recess, and a gripping member fulcrumed on said pin for swinging into and out of said opening.

1,587,022. DRILL JAR. GUSTAVUS A. MONTGOMERY, Titusville, Pa., assignor to Titusville Forge Company, Titusville, Pa., a Corporation of Maryland. Filed Feb. 25, 1924. Serial No. 694,855. 3 Claims. (Cl. 255—27.)

1. A tool of the character described, comprising a jar-body having a plurality of alternately arranged large and small bores disposed substantially in axial alinement, the small bores being defined by segmentally-shaped ribs forming internal knocking-heads between the respective bores, and a plunger having a plurality of alternately arranged jar portions and guide portions operating in said large and small bores respectively, the guide portions containing channels engaging the ribs of said small bores, the resulting shoulders formed

between said jar portions and said channeled guide portions being arranged for engagement with the knocking-heads of said jar-body.

1,587,023. MULTIPLE-REFLECTOR SINGLE-UNIT COMBINED TOASTER AND COOKER. AUGUST J. MOTTLAU, Philadelphia, Pa., assignor to A. Mecky Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1922. Serial No. 537,294. 11 Claims. (Cl. 126—41.)

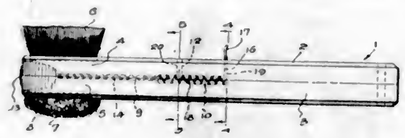


10. An appliance comprising a utensil; a heating means; reflectors cooperating to reflect lower heat rays of said means to the utensil; said reflectors being separated to form a discharge opening; and heat and crumb deflectors beneath said opening.

1,587,024. SHOE DAUBER. STEPHEN MURPHY, San Francisco, Calif. Filed Nov. 5, 1925. Serial No. 67,014. 2 Claims. (Cl. 15—107.)

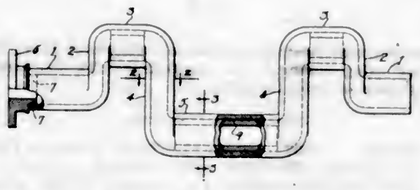
1. A device of the class described, comprising a handle formed of overlying complementnl sections, said handle being provided at the outer end with a recess and having an axial bore communicating with said recess, the

inner end of said bore having a communicating radial slot extending through the wall of the handle, a spring actuated rod slidable in said bore and provided with



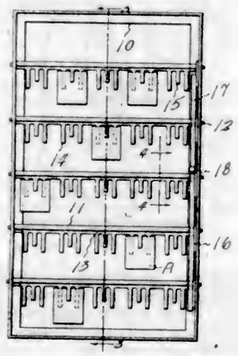
manipulating means extending through said slot, and a dauber secured to the opposite end of the rod and normally seated in said recess, but adapted to be projected therefrom against the tension of said spring.

1,587,025. CRANK SHAFT AND METHOD OF MANUFACTURE. THOMAS E. MURRAY and THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Jan. 25, 1924. Serial No. 688,405. 6 Claims. (Cl. 74—38.)



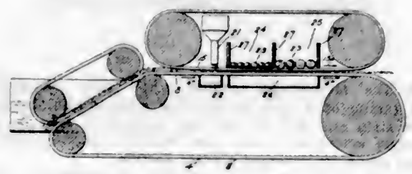
1. A shaft with crank portions, said shaft being made of sheet metal segments bent transversely and united along longitudinal edges and a longitudinal reinforcing member within said segments and an additional reinforcement comprising metal integral with the metal of said sgments.

1,587,026. EDUCATIONAL APPLIANCE. CHARLES R. NALLE, Wichita Falls, Tex. Filed June 9, 1924. Serial No. 718,749. 1 Claim. (Cl. 35—12.)



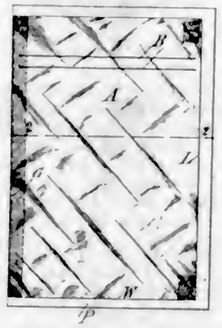
An educational appliance comprising a frame, a plurality of card holders pivoted therein, a plurality of strips secured to said holders and having groups of separated fingers projecting laterally therefrom for supporting cards beyond the holder in order that opposite faces thereof may be visible upon reversal, and means for oscillating the holders for less than a revolution to invert the cards thereon.

1,587,027. MACHINE FOR MAKING FIBER COMPOSITION. WILLIAM G. O'BRIEN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 16, 1922. Serial No. 588,665. 12 Claims. (Cl. 92—39.)



1. A machine for making fiber composition comprising a movable screen adapted to transport the fibers, an auxiliary screen disposed in engagement with the fibers and adapted to move therewith and means for applying pressure on said auxiliary screen comprising a plurality of weight members of circular cross section disposed upon said auxiliary screen.

1,587,028. ARTICLE BLANK AND METHOD OF CUTTING ARTICLES. REUBEN SPENCER OLIVER, Westfield, N. J., assignor to Kaumagraph Company, New York, N. Y., a Corporation of New York. Filed June 16, 1925. Serial No. 37,595. 5 Claims. (Cl. 41—17.)

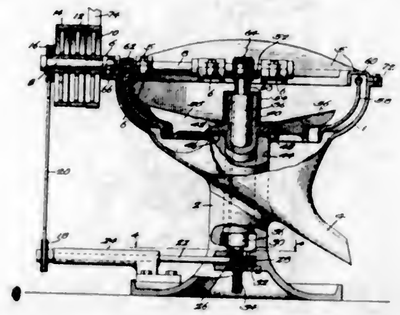


1. A method of dividing sheets of fabric having designs printed on portions of the respective areas thereof into pattern pieces corresponding to the pattern of a garment, or other article, which consists in connecting a portion of each said piece of fabric to a mount, printing the desired design upon corresponding predetermined portions of the respective pieces of fabric other than said connected portion and while each said piece is connected to its respective mount, arranging the said combined pieces of fabric and mounts in a pile so that the said designs are in substantial alignment, and then dividing the sheets of fabric into the before mentioned pattern pieces without removing them from their mounts.

1,587,029. HOBBING MACHINE. CARL G. OLSON, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1922. Serial No. 605,321. 12 Claims. (Cl. 90—4.)

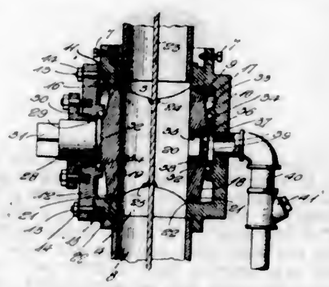
1. In a hobbing machine, a hob spindle and a work spindle geared together by a single pair of intermeshing

gears, the work spindle and its gear being always rotatable in unison but relatively shiftable axially to permit axial feeding of the work spindle, and means



for feeding the work spindle axially, the hob spindle being axially fixed to thereby cause the hob to rotate in place.

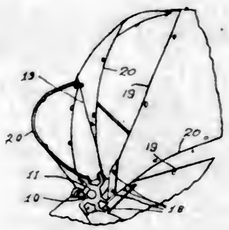
1,587,030. OIL-WELL CONTROL-HEAD VALVE. BENJAMIN F. PALMER, Tulsa, Okla., assignor to Paul Arbon, Tulsa, Okla. Filed Feb. 23, 1924. Serial No. 694,678. 4 Claims. (Cl. 169—4.)



2. In a control head valve for well drilling apparatus, the combination of a casing having two pairs of vertically and laterally alined passages, and having a wall provided with an opening therein, a steam supply conductor fitted within said opening, a rotary valve comprising spaced end disks and a segmental portion fitted within said casing, one of said disks being provided with an opening registering with said steam supply pipe and communicating with the space between the disks, and a bushing nozzle fitted in said opening in the disk and having jet passages with delivery portions inclined toward diametrically opposite sides of the valve.

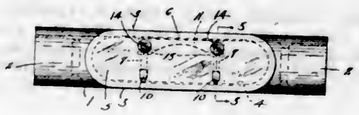
1,587,031. VENTILATING FAN. JAMES D. PARKER, Kansas City, Kans. Filed Oct. 28, 1925. Serial No. 65,312. 3 Claims. (Cl. 230—1.)

1. In a fan, a hub and ring spaced apart and in axial alignment, said hub comprising a cylindrically shaped sleeve provided with a plurality of spirally disposed wings, the periphery of each spirally disposed wing forming a straight line crossing said cylindrically shaped sleeve near the center of the length of said sleeve and converging laterally from the axis of said hub at each end thereof, a flat rectangularly shaped wing mounted on each of said spirally shaped wings, each of said flat rectangularly shaped wings disposed radially from the axis of said sleeve near the center of the length of said wing and said sleeve, the ends of said rectangular wings converging in opposite directions from the axis of said sleeve, said sleeve and said spiral wings and said flat rectangular wings formed integrally, a blade secured to each of said rectangularly shaped



wings, the cutting edge of each blade disposed in a straight line from said wing to said ring and secured thereto, the discharge edge of each of said blades bowed outwardly and connected to said ring, and said blades conforming to the shape of said ring at their outer ends.

1,587,032. COVER FOR ELECTRIC-CONDUIT OUTLET BOXES. JOHN T. PEARSON and RAYMOND H. OLLEY, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 553,789. 1 Claim. (Cl. 247—15.)

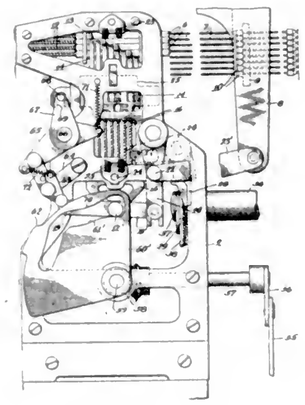


The combination with a shallow conduit outlet box formed with an opening in one side flanked by substantially plain side walls and also having inlet openings for wires and for connection in a conduit system, of a cover for the opening having means on its inner side extending into the opening of the box and opposed to the margins of the walls confining said opening, said means being arranged out of line with said wire openings of the box, whereby the wires have unobstructed passage in the box and said means do not interfere with the passage of the wires, said means comprising spaced apart shoulders for engaging one of the side walls, a laterally extensible single wedge member arranged to engage the opposite side wall of the box and spaced apart surfaces arranged to coact inclined plane fashion with said wedge member near the ends thereof to extend said member laterally against the other wall of the box and screws extending through the cover from the outer side thereof and threading into the wedge member near its ends and operable to bring said wedge member into snug engagement with the wall of the box when the screws are tightened.

1,587,033. CONTROLLING DEVICE FOR RECORD-CONTROLLED MACHINES. JOHN ROYDEN PEIRCE, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a Corporation of New York. Filed July 9, 1924. Serial No. 724,982. 7 Claims. (Cl. 235—60.)

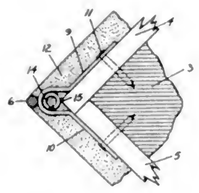
3. In a group control device for card-controlled machines, a perforation sensing pin, a locked pin adapted

to be moved relatively to said sensing pin, means for locking said locked pin in the position to which it moves with respect to said sensing pin, and means controlled



by said locked pin for causing a change in the operation of the machine when said sensing pin takes a different reading.

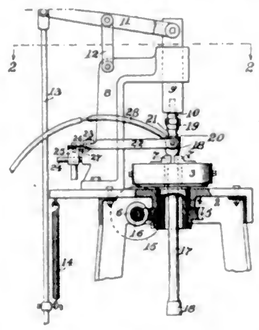
1,587,034. CORNER BEAD. FRED E. PLANETT, Oakland, Calif., assignor to Planett Mfg. Co., Oakland, Calif., a Corporation of California. Filed Jan. 12, 1925. Serial No. 1,841. 5 Claims. (Cl. 72—121.)



3. A corner bead comprising a rod; a coiled wire element secured longitudinally to the rod; and spacers secured to the rod and adapted to embrace a corner of a wall for attaching the bead thereto, as, and for the purpose, set forth.

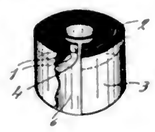
1,587,035. PIPE JOINT AND METHOD OF MAKING SAME. WILLIAM M. RAPP, Atlanta, Ga., assignor of one-third to Roy R. Butler and one-third to Harry O. Dean, both of Atlanta, Ga. Filed June 20, 1925. Serial No. 38,487. 4 Claims. (Cl. 113—112.)

1. The herein described method of making an internal wiped joint which consists in supporting two tubular members to be united with their apertures in alinement and providing an annular space between the engaging parts, heating the interengaged parts of the members to a temperature above the melting point of solder, causing a relative movement between the interengaging parts of the members, introducing molten solder into the annular space between the interengaging parts, and thereafter



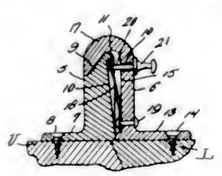
removing the source of heat and stopping the relative movement of the parts to permit the solder to set and harden.

1,587,036. COMBINED PEN STAND, PENWIPER, AND BLOT PREVENTER. KLARA ALFRIDA REGNHOLM, Stockholm, Sweden. Filed Apr. 9, 1924, Serial No. 705,203, and in Sweden May 29, 1922. 1 Claim. (Cl. 120—108.)



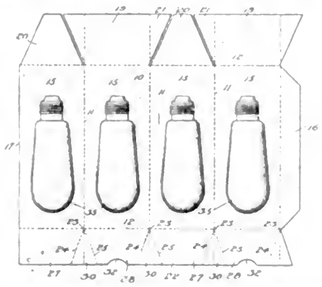
A combined pen-stand, pen-wiper and blot-preventer adapted to be mounted around the opening of ink-bottles and the like, comprising a collar consisting of superposed strips of ink absorbing material, a coil ring arranged on the inner strip and a casing coaxially surrounding and wider than said ring and collar, whereby the ring and collar in their entirety may be pushed down over the bottle and be securely held around the neck of the same.

1,587,037. AUTOMATIC WINDOW-SASH LATCH. WILLIAM RUDOLPH, Croft, Kans. Filed Mar. 7, 1925. Serial No. 13,791. 1 Claim. (Cl. 292—87.)



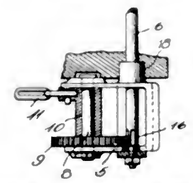
In a latch structure of the class described, a pair of members adapted to move alongside of each other, the inner faces of the members being provided with recesses, one of said members having a transversely extending opening registering with the recess, a bolt extending through the opening and slidable therein, a leaf spring fixed to the end of the recess in the last mentioned member and having its free end bent outwardly from the recess and attached to the bolt, an overhanging extension formed on one member, and the end of the other member being beveled to receive the overhanging extension.

1,587,038. ELECTRIC-LIGHT CONTAINER. NICHOLAS SANDOR, Dresden, Germany. Filed Mar. 23, 1923, Serial No. 627,212, and in Germany Feb. 26, 1922. 3 Claims. (Cl. 229—37.)



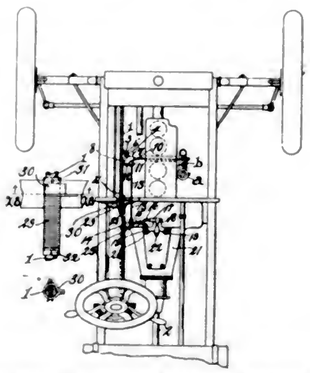
3. A container having four sides and having a single piece end closure scored to form four outwardly converging flaps joined together by triangular members, two of said flaps being supported in inclined position within the container by the other two flaps, each of said inclined flaps lying entirely on opposite sides of the transverse center of the container.

1,587,039. HAND BRAKE. NORMAN J. SAUVAGE, New York, N. Y. Filed Jan. 29, 1923. Serial No. 615,692. 7 Claims. (Cl. 254—149.)



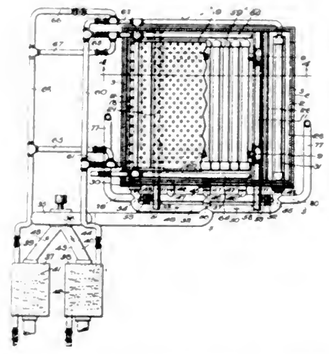
1. The combination of a hand brake rigging, a swivelling yoke, a pinioned staff passing through said yoke, a geared drum mounted in said yoke for engagement with said staff and a brake chain mounted on said drum.

1,587,040. ACCELERATOR FOR INTERNAL-COMBUSTION ENGINES. MOSES SCHLATTER and ELMER L. LIPP, Los Angeles, Calif., assignors, by mesne assignments, to Williams Bros. Aircraft Corporation, San Francisco, Calif., a Corporation of California. Filed June 25, 1923. Serial No. 647,550. 5 Claims. (Cl. 74—39.)



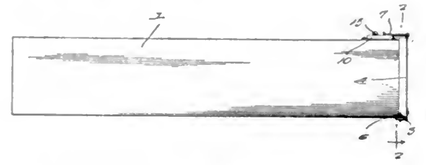
1. An accelerator comprising a foot lever; a bearing for said lever; a throttle lever; a floating housing; a rack bar in said housing; a rod having one end secured to said rack bar; an adjustable connection between the other end of said rod and said throttle lever; a sector pivotally mounted in said housing and arranged to engage and move said rack bar; a draw bar having one end pivotally connected to said sector; a pivotal connection between the other end of said draw bar and said foot lever; and a spring for normally holding said foot lever in a predetermined position said spring having one end connected to said foot lever and the other end connected to said support.

1,587,041. KILN. FREDERICK A. SECORD, Portland, Me., assignor of one-third to Charles Henry Peters and one-third to Alexander Pierce Paterson, both of St. John, New Brunswick, Canada. Filed Sept. 22, 1922. Serial No. 589,862. 27 Claims. (Cl. 94—19.)



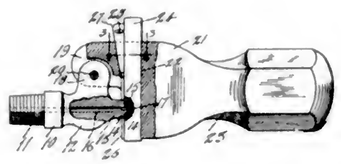
1. In a drying apparatus, a carrier for the material to be dried and means to direct tempered fluid in a plurality of direction to predetermined sections of said carrier.

1,587,042. CASING. GUNELIUS SKAVSTRAND, Chicago, Ill. Filed Nov. 14, 1925. Serial No. 69,150. 2 Claims. (Cl. 292—283.)



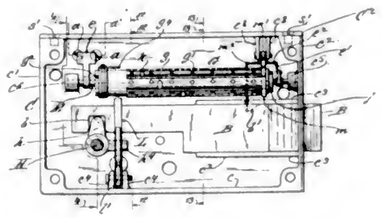
1. The combination of a casing body, a closure member hingedly connected at one end to said body and having side flanges with beveled ends and an end flange, the latter at the end remote from the hinge, a standard fixed to said closure member, a tongue pivotally connected to said standard and having a lateral pin with a beveled or rounded end and with a notch or kerf in its side, a casing exterior of and fixed to the casing body and having an aperture in one of its walls and a slot in rear of said aperture, a well in said casing, a spring in said well, a follower superposed on and movable by the spring and adapted to be opposed to the end of the pin on said tongue, and a reciprocatory keeper member, spring backed and movable in the casing and into and out of engagement with the pin on the tongue and having a finger piece movable in the slot of the casing wall, the said finger piece being arranged at the opposite side of the tongue with reference to the pivotal connection of said tongue to the standard on the closure member.

1,587,043. GAUGE COCK FOR BOILERS. WILLIAM C. SMITH, Corsicana, Tex. Filed June 13, 1925. Serial No. 36,827. 4 Claims. (Cl. 251—126.)



1. In a gauge cock, a plug having a passage with a discharge orifice, a head hinged to said plug, an adjustable sealing strip slidingly carried by the head to close said orifice, a weight arm mounted on the head, and fastening means upon the head for forcing the sealing strip laterally against its bearing in the head.

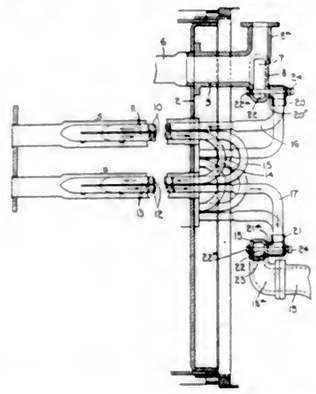
1,587,044. LOCK. LOUIS SOLOMON, New York, N. Y., assignor of one-fourth to David D. Glanz, New York, N. Y. Filed Dec. 30, 1925. Serial No. 78,307. 9 Claims. (Cl. 70—54.)



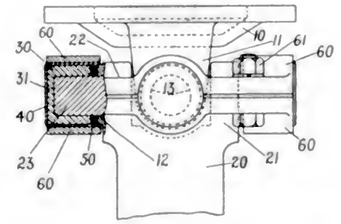
1. In locking mechanism of the character designated, the combination of a plurality of push button rods, means for effecting their automatic retraction, a test guard cylinder formed with parallel rows of test holes and rotatably mounted on a spindle, said spindle loosely mounted on stationary bearings, cover slides mounted upon the periphery of said cylinder, a trip arm on said cylinder, a latch lever engaging with a detent arm and adapted to be actuated by said trip arm, said detent arm, a bolt thrust arm on the handle spindle, and a bolt controlled thereby, substantially in the manner and for the purpose set forth.

1,587,045. STEAM SUPERHEATER OF THE MULTIPLE SMOKE OR FIRE TUBE TYPE. ALEXANDER SPENCER, Westminster, London, England, assignor to The Superheater Company, New York, N. Y., a Company organized in Delaware. Filed July 15, 1921, Serial No. 484,864, and in Great Britain Jan. 23, 1920. 4 Claims. (Cl. 122—462.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In a superheater, two boiler fire-tubes arranged one above the other in a vertical plane, two loop-shaped superheater pipes arranged in vertical planes in each of the said fire-tubes, the upper and lower stretches of the said pipes being independently connected together at their looped ends, two bend pipes arranged side by side in the said vertical planes and connecting the lower stretches of the superheater pipes of the upper tube with the upper stretches of the superheater pipes of the lower fire-tube, and inlet and outlet pipes connected to the projecting ends of the uppermost and lowermost stretches of the superheater pipes respectively outside the fire-tubes, the said inlet and outlet pipes being arranged in a vertical plane intermediate of the said vertical planes and each being of an area substantially equal to the areas of the two stretches to which it pertains.



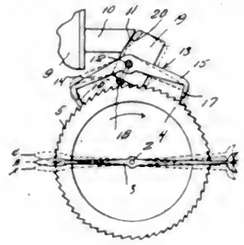
1,587,046. UNIVERSAL JOINT. CLARENCE WINFRED SPICER, Plainfield, N. J., assignor to Spicer Manufacturing Corporation, a Corporation of Virginia. Filed Apr. 13, 1925. Serial No. 22,657. 3 Claims. (Cl. 64—102.)



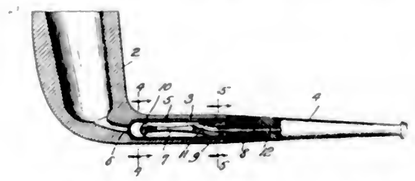
3. A universal joint comprising trunnion type coupling members, a housing formed of two annular sections shaped to provide supporting means for trunnion bearings, trunnion bearings closed on the outer end, a member interposed between the housing and the bearings said member being completely filled by the bearing.

1,587,047. SECONDARY ELECTRIC CLOCK. EARL G. STALNAKER, Chicago, Ill. Filed Nov. 5, 1924. Serial No. 747,934. 1 Claim. (Cl. 58—26.)

In a clock mechanism, in combination, a toothed wheel arranged for propelling the remainder of the clock mechanism, an oscillatory pallet shaft disposed adjacent and above the wheel, an escapement carried by said shaft and including a pair of arms, terminating in pallets disposed at predetermined angles with respect to the body portion of the escapement and adapted for engagement with the teeth of the wheel intermittently, a weighted armature block adjustably mounted on said shaft, retaining means for said block, whereby it may be disposed obliquely with respect to the axis of said shaft, and an electromagnet disposed adjacent said block, said magnet including a core disposed at an obtuse angle with respect to said block, the free end of said core being beveled at one corner of said block for co-action with the first named bevel, one of the pallets being adapted to engage the toothed wheel for moving the same a distance corresponding substantially one-half of a tooth, when the electro-magnet is energized, the other pallet being adapted to advance the toothed wheel for a distance corresponding to another half of a tooth by the weight of the armature, when the latter is returned to its normal position upon the energization of the magnet.

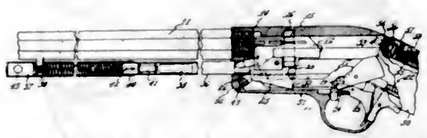


1,587,048. SELF-CLEANING PIPE. LUDWIG STERN, New York, N. Y. Filed July 14, 1924. Serial No. 725,794. 1 Claim. (Cl. 131—12.)



In a pipe of the class described, a bowl, a stem and a mouthpiece, the stem having a socket secured therein with a roughened exterior surface, with a passage connecting the bore of the stem to the bowl of the pipe and the mouthpiece having a projection with a head adapted to scrape the socket and keep the same clean, the head having a bore through which vapor can pass from the pipe to the mouth of the smoker and means for holding the mouthpiece and bowl in proper relation.

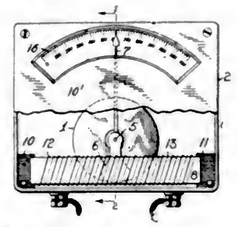
1,587,049. REPEATING FIREARM. CARL G. SWEBILIUS, New Haven, Conn., assignor to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed July 18, 1923, Serial No. 652,387. Renewed Nov. 17, 1925. 19 Claims. (Cl. 42—47.)



12. In a firearm, a slotted tubular magazine, a cartridge follower therein, an abutment in said magazine, a spring between said abutment and said follower, a pawl carried by said follower and adapted to project through said slot, a sleeve surrounding said tubular member and slidable thereon, and means on said sleeve to engage said pawl.

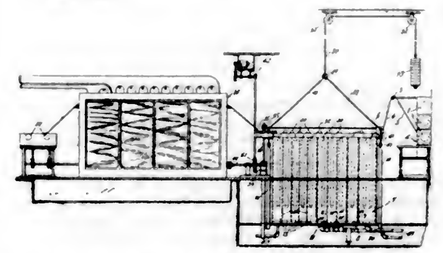
18. In a firearm, a barrel, a slotted tubular magazine, a plug in the end of said magazine, means to attach said plug to said barrel, a cartridge follower in said magazine, a spring interposed between said follower and plug, a pawl carried by said follower and adapted to project through said slot, a sleeve surrounding said tubular member and slidable thereon, said sleeve having an aperture into which said pawl is adapted to project, and a spring pressed plunger adapted to seat in either of two apertures in said sleeve.

1,587,050. ELECTRICAL INDICATOR. HARRY L. TANNER, Brooklyn, N. Y. Filed Apr. 13, 1922. Serial No. 552,077. 11 Claims. (Cl. 171—95.)



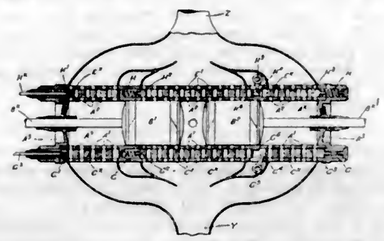
3. An electrical measuring instrument comprising a coil, an armature revoluble about the axis thereof, an indicator connected thereto, and a soft iron member to one side of the axis of said coil for centralizing said armature and a winding on said member.

1,587,051. PHOTOGRAPHIC-FILM-TREATING APPARATUS. FREDRICK B. THOMPSON, Los Angeles, Calif. Filed Feb. 9, 1924. Serial No. 691,634. 9 Claims. (Cl. 95—94.)



1. In a photographic film treating apparatus, the combination of a container, means to divide the container into separate developing, rinsing, fixing and washing tanks, a series of sets of idle rollers, a series of sets of driven rollers, said sets of driven rollers being of progressively decreasing diameter from the first set.

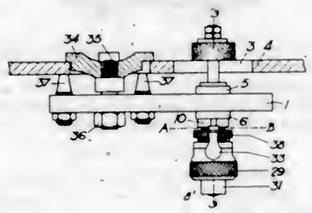
1,587,052. VALVE FOR MOTIVE-POWER ENGINES OF THE RECIPROCATORY TYPE. HERBERT TOLPUTT, Sheffield, England. Filed Jan. 19, 1920. Serial No. 352,587, and in Great Britain Jan. 23, 1919. 2 Claims. (Cl. 123—51.)



1. In an internal combustion engine of the reciprocatory type, the combination of a power cylinder, induction and exhaust chambers at opposite sides of said cylinder,

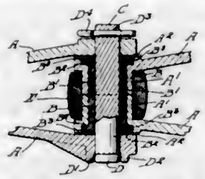
a working piston in said cylinder, each of said chambers extending longitudinally over the full length of the piston stroke, induction and exhaust pipes communicating with said induction and exhaust chambers respectively through slotted plates constituting the outer side walls of the chambers, each of said plates being provided with a series of spaced ports extending the full length of the chamber, a valve plate mounted in each of said chambers for reciprocating movement and provided with a series of longitudinally spaced ports to register with the ports in the outer side walls of the induction and exhaust chambers respectively, and means for actuating said valve plates.

1,587,053. DEVICE FOR GRINDING THE TIGHTENING SURFACE AROUND DOOR HOLES OF STEAM BOILERS AND THE LIKE. GUSTAF ANATOLIUS TÖRNBLOM, Stockholm, Sweden. Filed Dec. 12, 1924, Serial No. 755,540, and in Sweden June 11, 1923. 4 Claims. (Cl. 51—241.)



1. A device for grinding the tightening surface around door holes of steam boilers and the like, comprising a guide plate having an opening of the same shape as the door hole to be ground, bars bearing against opposite sides of the guide plates, a bearing supported by said bars, means including the bearing connecting the bars to each other, a rotary shaft mounted in said bearing, a grinding disc carried by said shaft, and means to maintain the bearing in proximity to the periphery of said opening.

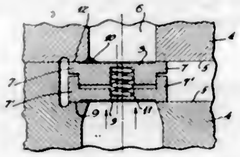
1,587,054. CHAIN LINK. CHARLES R. WEISS, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed June 17, 1925. Serial No. 37,630. 6 Claims. (Cl. 74—32.)



1. In an assembled chain, chain links each comprising a pair of side bars, the side bars of each pair having at one end inwardly projecting cylindrical lugs, the inside walls of said cylinders being recessed, bushing sections positioned in said recesses and extending from side to side of the link and terminating in outwardly projecting shoulder portions, the side bars being recessed to receive said shoulders, a pin passing through the central aperture of said cylindrical lugs, and means for preventing axial withdrawal of the pin.

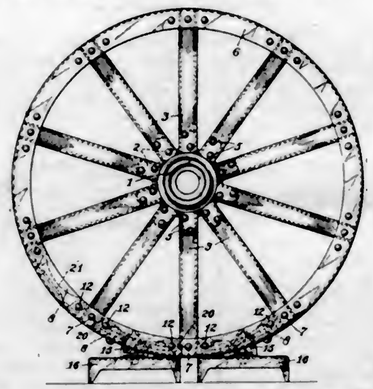
1,587,055. VALVE. WYLIE G. WILSON, Jersey City, N. J., assignor to Everlasting Valve Company, a Corporation of New Jersey. Filed Mar. 27, 1925. Serial No. 18,719. 5 Claims. (Cl. 251—167.)

1. In a gate valve, a valve casing with a port opening therethrough and a valve sealing face circumferential to said port, a sealing element mounted to cooperate with said sealing face and said port to accomplish a closure of the port, and means to operate said sealing element, said sealing face, adjacent a point in the circumference of said port where in opening or closing the valve the edge of the sealing element and the edge of said port meet to first open or finally seal said port, being extended in the same plane a predetermined distance to allow for the accomplishment of a seal between said sealing face and said sealing element a predetermined distance beyond said point on the periphery of said port, said sealing element being of a size to embrace said port and accomplish a seal with said sealing face circumferential of said port and including said extended area, and the means for operating said sealing element being such as to move said sealing element a predetermined distance in opening or closing the port sufficient to allow for movement over the area of said extended sealing face so that when said sealing element is moved to cover said port its movement is further extended to embrace said extended area of said sealing face a predetermined dimension, and thus embrace not only said port but said extended area of said sealing face so as to accomplish a seal circumferential of the port and including said extended area of said sealing face.



5. In a valve comprising a port having a sealing face and a sealing element adapted to slide across the port and cooperate with said sealing face to form a seal, means for moving the sealing element over the port and past the center of said port to a point where the sealing element overlaps said port by a predetermined amount, which will bring the sealing element into a position where it will overlap the port a definitely greater amount on one side of the port than it does on the opposite side of the port, said sealing face around the port being extended on that side of the port to cooperate with the greater overlap of the sealing element as described.

1,587,056. TRACTOR WHEEL. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Original application filed July 11, 1925, Serial No. 42,998. Divided and this application filed Jan. 30, 1926. Serial No. 84,883. 5 Claims. (Cl. 301—52.)



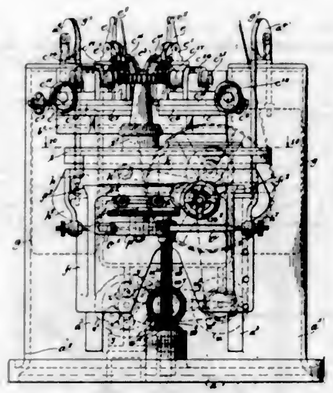
4. A tractor wheel comprising a metal hub with spaced lugs, a plurality of pairs of spokes secured to the respective lugs, each of said spokes being semi-boxlike in construction, two angle irons spaced from each other and forming a skeleton rim, the outer ends of said spokes secured to a respective leg of each rim, the other

legs of each rim extending towards each other, a plurality of castings nested within said bands and riveted thereto, the opposite ends of each casting abutting against an adjacent leg of two spokes to thereby prevent any shearing action, and each of the casings having a reinforced opening, the reinforcement lying flush with the outer surfaces of the two legs of the bands which extend toward each other.

1,587,057. COMPOSITION OF MATTER AND METHOD FOR MAKING THE SAME. WILLIAM W. WINSHIP, Freeport, N. Y., assignor to The Thermal Syndicate Ltd., Brooklyn, N. Y., a Corporation of England. Filed May 8, 1925. Serial No. 28,974. 7 Claims. (Cl. 18—47.5.)

1. An article of manufacture comprising comminuted fused silica and silicic acid.

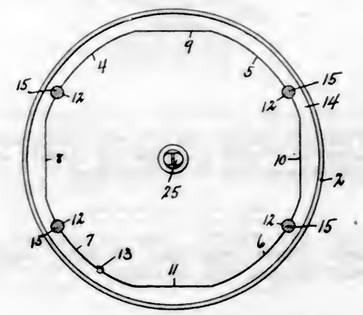
1,587,058. GEAR-GRINDING MACHINE. GOTTFRIED WIRRER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 21, 1923. Serial No. 646,737. 15 Claims. (Cl. 51—52.)



1. In a gear grinding machine, in combination with the frame and rotary grinding element, a work carrying slide movable transversely of the grinding element, a spindle on which the gear is mounted, opposed hands connected to the spindle and adapted to impart a rolling motion thereto upon transverse movements of the slide, means to arrest movement of the lide at a point when the work is about to leave the grinding element and means to move the work laterally away from the grinding element to disengage the work from the grinding element for indexing during predetermined strokes.

1,587,059. DIAPHRAGM SIGNAL. PHILIP H. WITHINGTON, Cleveland, Ohio, assignor to The Sparks-Withington Company, Jackson, Mich., a Corporation of Ohio. Filed Mar. 30, 1923. Serial No. 628,783. 13 Claims. (Cl. 181—31.)

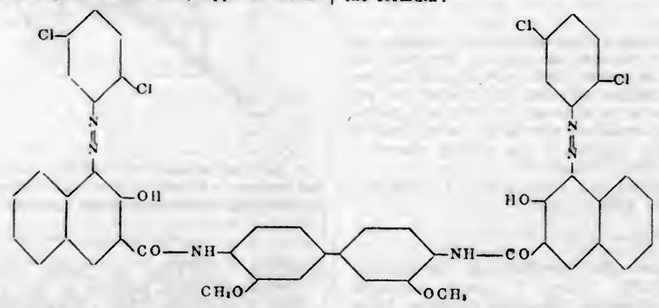
1. In a signal, the combination with two circular case sections and connecting bolts arranged concentrically around the edge thereof, of a diaphragm having its outer edge clamped between the case sections and lying within



a circle defined by the outer side of said bolts, and grooves in the edge of said diaphragm for receiving portions of the bolts.

1,587,060. AZODYESTUFFS AND PROCESS OF MAKING SAME. ARTHUR ZITSCHER, Offenbach-on-the Main, Germany, assignor to The Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Nov. 30, 1923, Serial No. 677,878, and in Germany Jan. 12, 1923. 9 Claims. (Cl. 260—76.)

7. As a new article the azodyestuff, having probably the formula:

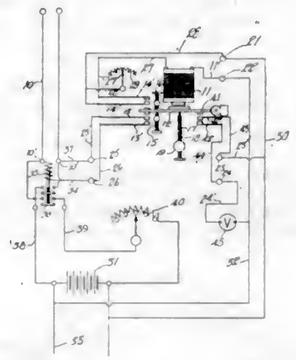


which is when dry a brownish red powder, insoluble in water and soluble in sulfuric acid to a reddish violet solution, yielding upon reduction with stannous chloride two molecular proportions of 2.5-dichloroanilin and one-molecular proportion of bis-(1-amino-2-hydroxy-3-naphthoyl) dianisidin, said dyestuff giving, when produced on the cotton fiber, deeply orange-brown shades of a very good fastness.

1,587,061. AUTOMATIC ELECTRIC CONTROLLING DEVICE. CHARLES R. ANDERSON, Dallas, Tex. Filed Aug. 28, 1922. Serial No. 584,916. 5 Claims. (Cl. 171—314.)

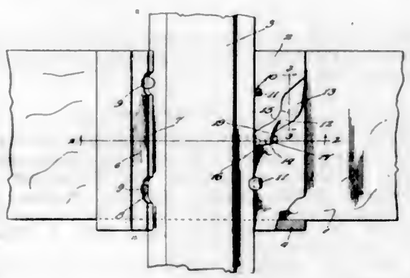
1. In an automatic battery charging system, a main charging circuit, an electromagnet connected across the battery in series with a resistance regulating the cut-off point on charge, an armature for said electromagnet

having contacts to short-circuit the resistance during discharge, a circuit maker between said main charging circuit and the battery and circuit adapted to close said



circuit maker by energization of a coil therein, said closing circuit being itself established by contacts on said armature when the battery is discharged.

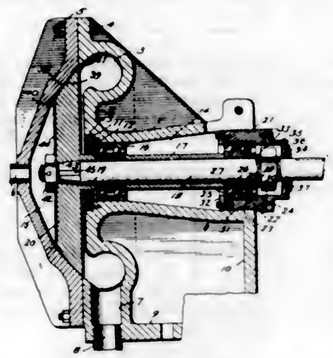
1,587,062. TIE PLATE. NELS G. ANDERSON, Napa Junction, Calif. Filed July 10, 1925. Serial No. 42,794. 5 Claims. (Cl. 238—304.)



1. A tie plate having a rigid member for engaging one side of a rail, and a member for engaging the other side of the rail, the last-mentioned rail-engaging member being formed of resilient material and having one end portion rigid upon the tie plate and its other end portion free and extending across an opening in the tie plate in partially overlapping relation to the opening whereby a fastener may be passed through the opening into a tie and force the resilient end portion of the clamp into gripping engagement with the rail.

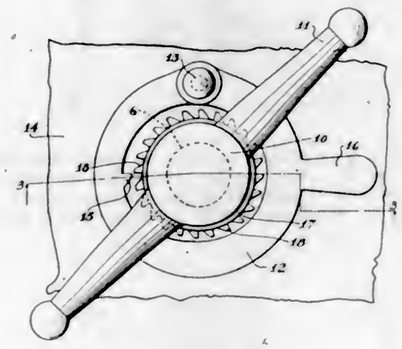
1,587,063. MIXING, DISINTEGRATING, OR HOMOGENIZING MACHINE. HAROLD E. AUSTIN, Louisville, Ky., assignor to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed May 18, 1925. Serial No. 31,177. 3 Claims. (Cl. 83—13.)

1. A mixing, disintegrating or homogenizing machine comprising elements rotatable relative to each other and presenting closely adjacent surfaces ground to fit and formed from segments of the surface of a paraboloid of revolution to provide a narrow space therebetween, having a flaring feeding end and a discharge end, said space converging from the feeding to the discharge end, the portion of the space adjacent the discharge end being sufficiently constricted to retard the discharge of material passing through the space, means for rotating one of the elements, and means for increasing the capacity of



the feeding and discharge end of the space, the construction of the surface being such that said means will cause proportionately a greater increase in the capacity of the feeding end than the increase in the discharge end.

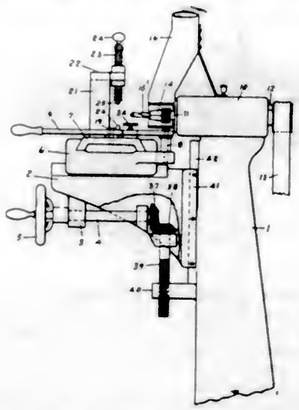
1,587,064. CENTRIFUGAL NUT LOCK. TANDY A. BAYSON, Troy, N. Y., assignor to Tolhurst Machine Works, a Corporation of New York. Filed Sept. 29, 1925. Serial No. 59,271. 10 Claims. (Cl. 151—33.)



1. In a centrifugal nut lock the combination of a driving member, a driven member and locking means operated by centrifugal force to lock the members together.

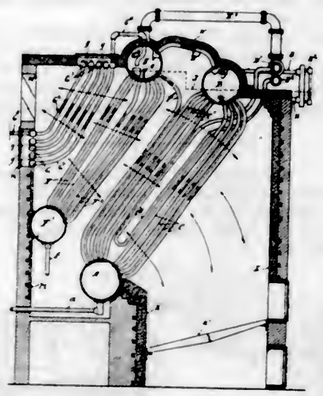
1,587,065. ROUTING MACHINE. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed May 15, 1925. Serial No. 30,515. 11 Claims. (Cl. 144—69.)

1. In a routing machine, a work holder comprising a supporting plate, a frame, a positioning pin mounted on the bottom of said frame, an adjustable positioning pin mounted on the top of said frame carried by said plate and adapted to be lowered into engagement with a hole in a last half, said lower pin also adapted to project into the hole from the opposite side of said last half, thereby permitting pivotal movement of the last half in order to prevent interior enlargement of the mortise by



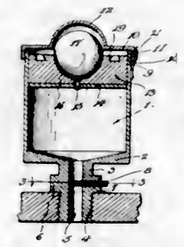
a routing tool, said work holder so mounted that it may be moved axially toward and transversely of said tool and a routing tool.

1,587,066. STEAM GENERATOR. LAWRENCE E. CONNELLY, Cleveland Heights, Ohio. Filed Feb. 21, 1925. Serial No. 10,883. 2 Claims. (Cl. 122—301.)



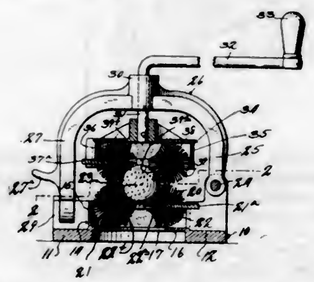
1. In a steam generator of the class described, front and rear walls, a rear fire wall intermediate of said front and rear walls, a roof extending over the space between said front and rear walls, a smoke flue opening at the upper rear corner of the space enclosed by said walls, a mud drum contacting with the upper portion of said fire wall, an upper steam liberating drum adjacent to the front upper corner of the space enclosed by said walls and roof, a bank of up-flow water tubes connecting said liberating and mud drums, a bank of downflow water tubes connecting said drums, a superheater arranged between said banks of tubes, a steam and feed water receiving drum, a bank of steam conveying tubes connecting the upper portions of said drums, a lower header drum, down and upflow water tubes connecting said steam and feed-water receiving drum and said header drum, a vertical division wall in said steam and feed-water receiving drum between the upper ends of said banks of down and upflow feed water heating tubes, a bank of down flow feed water tubes connecting said feed-water and steam receiving drum with said mud drum, and a series of feed-water pre-heating tubes adjacent to the smoke flue opening, all of said banks of tubes being inclined at substantially the same angle, and parallel with each other, and arranged transversely to the passage of fire gas toward the smoke flue.

1,587,067. GREASE CUP. JOE B. DANIEL, Jr., Woodland, Ga. Filed Dec. 29, 1924. Serial No. 758,706. 3 Claims. (Cl. 184—46.)



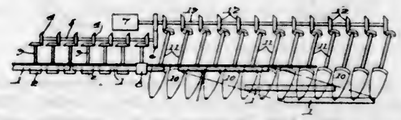
1. A lubricating device comprising a cup having an outlet for the lubricant contained therein, a follower in the cup having a substantially semi-spherical seat in its upper side and a spherical weight-imposing member movably disposed within the seat.

1,587,068. GOLF-BALL-CLEANING DEVICE. WILLIAM H. DINEHART, Hudson, N. Y. Filed June 2, 1925. Serial No. 34,382. 14 Claims. (Cl. 15—21.)



14. A ball cleaning device including two brushes, each having bristles formed to provide confronting ball-receiving recesses in the brushes, and means for causing a rotary movement of one brush relative to the other in a plane parallel to the other brush, the recesses in the brushes being eccentric to each other to thereby cause a rotation of the ball between the brushes around a constantly changing axis as the brushes are rotated.

1,587,069. HANDLING AND CONVEYING HOT-METAL STOCK. VICTOR E. EDWARDS, West Boylston, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1925. Serial No. 57,689. 10 Claims. (Cl. 198—127.)

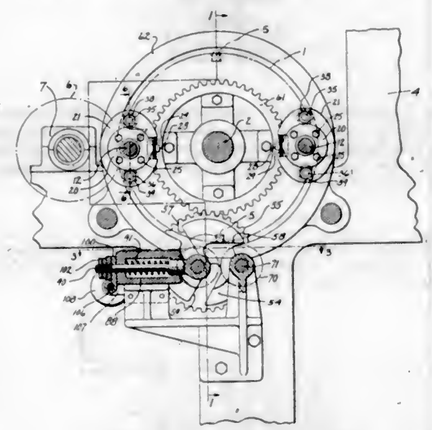


1. In the handling of rapidly moving hot metal bars, traveling endwise in close order, the improvement which consists in increasing the end clearance between succes-

sive bars in connection with their delivery to conical skewed decelerating rolls, operating said rolls to give their bar receiving portions a different surface speed from the delivery speed of said billets, and maintaining each billet on said rolls in its line of delivery until its speed reaches said surface speed.

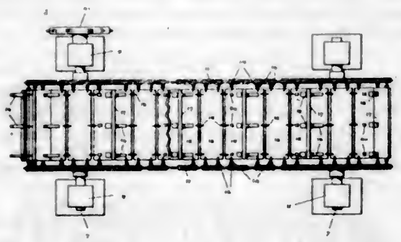
10. The combination with a plurality of skewed conveyor rolls adapted for the side stepping of successive bars delivered endwise thereto, of means for delivering said bars to said rolls at a speed sufficiently greater than the surface speed of the receiving portion of said rolls to skid substantially the entire length of each bar on to said rolls.

1,587,070. FOLDING MECHANISM. WILLIAM EVENSEN, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Mar. 16, 1923. Serial No. 625,579. 23 Claims. (Cl. 270—77.)



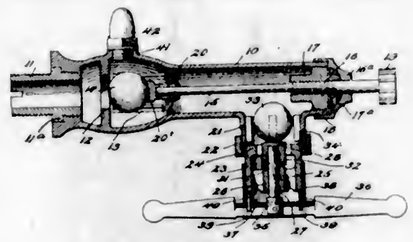
1. A folding mechanism including in combination a rotary folding member, a pair of rotary tucking blades carried thereby, a pair of cooperating folding rollers, means for actuating the tucking blades, and means for variably and independently positively positioning the tucking blades relative to said rotary folding member to change their relation to the folding rollers.

1,587,071. TIDE MOTOR. EDWARD C. GATLIN, Los Angeles, Calif. Filed Aug. 6, 1923, Serial No. 656,080. Renewed Apr. 12, 1926. 3 Claims. (Cl. 170—91.)



3. A water motor comprising a pair of sprocket chains, means for mounting same for circuitous motion, plates disposed between and connected to said sprocket chains, blades hinged to said plates, and stops carried by said plates for limiting the movement of said blades when swung outwardly and inwardly.

1,587,072. COFFEE-URN FAUCET. JOHN E. GRAYBILL, York, Pa. Filed Mar. 29, 1922. Serial No. 547,845. 14 Claims. (Cl. 277—65.)

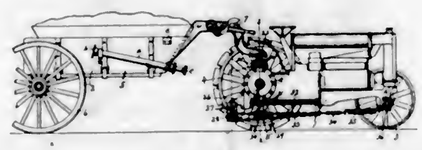


7. In a faucet, in combination, a valve casing, a guideway within the casing, a valve actuator rotatable and reciprocable in the guideway, a transverse operating bar pivotally connected to said actuator, and cooperating surfaces on the guide-way and on the actuator, the surfaces being adapted when the bar is in one position to hold the actuator in valve opening position, and adapted when the bar is rotated to another position to allow the actuator to move to valve closing position.

1,587,073. BASIC PHENOLALKYLETHERS. HANS HAHL, Elberfeld, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1924, Serial No. 733,659, and in Germany Sept. 21, 1923. 2 Claims. (Cl. 260—150.)

1. As new products the herein described basic phenolalkylethers containing an unsaturated side chain in ortho position to the substituted hydroxyl group of the nucleus being generally oils forming salts with acids, and being valuable substitutes for secale cornutum, substantially as described.

1,587,074. TRAILER ATTACHMENT. ALONZO L. HUMPHREY, Auburn, N. Y., assignor to Eagle Wagon Works, Auburn, N. Y., a Corporation of New York. Filed Apr. 10, 1925. Serial No. 22,234. 12 Claims. (Cl. 280—33.1.)

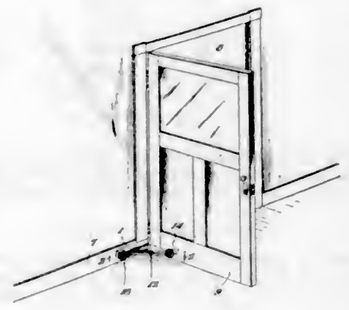


1. A semi-trailer attachment for tractors comprising a supplemental frame adapted to be mounted upon the rear end of the tractor frame to extend above and beneath the rear axle-housing, means for attaching the front end of the trailer to the upper portion of the supplemental frame, and means for connecting the lower portion of the supplemental frame to the tractor frame some distance in front of the rear axle.

1,587,075. DOOR HOLDER. FRANK W. JACOBS, Baker, Oreg. Filed Oct. 21, 1925. Serial No. 63,958. 5 Claims. (Cl. 292—278.)

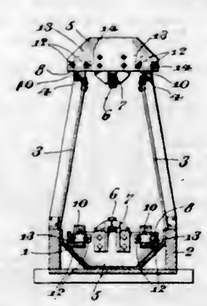
1. A door holder comprising a track including a rail having a longitudinally extending guideway provided in spaced relation to one end with the side extension of a bayonet slot formation, a bar having one end provided with a side pin extending into said guideway to slidably

and pivotally mount the bar and adapted to be moved into the side extensions when pressure is applied to the bar, a door engaging bracket pivotally connected with the



other end of said bar, and means for releasably securing said bar in a set position with its pin in the closed end portion of the side extension of the guideway and the door secured in an open position.

1,587,076. CONVEYER FLIGHT ATTACHMENT. MARK E. JOHNSON, Shamokin, Pa., assignor of one-half to Edward S. Mead, trustee, Philadelphia, Pa. Filed Mar. 11, 1925. Serial No. 14,611. 5 Claims. (Cl. 198—174.)

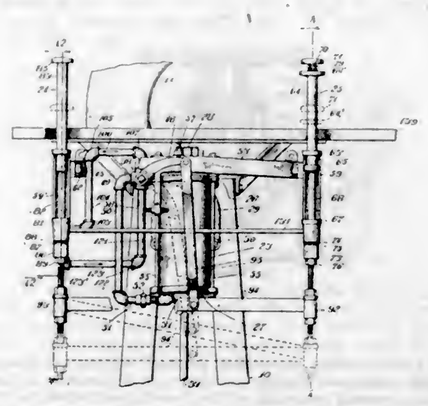


1. Means for attachment to conveyer flights to prevent wear of the same upon the return traveling movement thereof which comprises wearing blocks of suitable material, the inner end of each of which is adapted to project beyond the inner edge of said flight, and means for adjustably securing said wearing blocks to the said flight.

1,587,077. ANTHELMINTIC REMEDY. WALTER KROPP and WILHELM SCHRANZ, Elberfeld, and WERNER SCHULEMANN, Vohwinkel, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Feb. 1, 1924, Serial No. 690,073, and in Germany Feb. 9, 1923. Divided and this application filed Nov. 29, 1924. Serial No. 752,939. 2 Claims. (Cl. 167—7.)

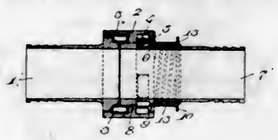
1. A new anthelmintic remedy comprising a mixture of ortho- and para-benzylphenol an average single dose being from 1–2 grams for human beings and about one gram for sheep, substantially as described.

1,587,078. OPERATIVE MECHANISM FOR STEAM PRESSES. HARRY H. MCDERMOTT, Chicago, Ill. Filed Dec. 26, 1924. Serial No. 758,121. 25 Claims. (Cl. 192—131.)



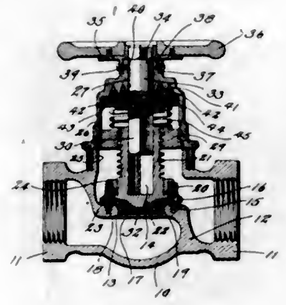
4. In a power operated press of the class described a movable element, a power cylinder for operating said element, a valve controlling said power cylinder, two reciprocable control members, a cross bar connecting said control members, and a link connecting said cross arm with said control valve.

1,587,079. HOSE COUPLING. SHIGETAKE MACHINO, Tokyo-Fu, Japan, assignor to Shuichi Katakura, Koishikawa-Ku, Tokyo, Japan. Filed Aug. 15, 1923. Serial No. 657,601. 1 Claim. (Cl. 285—174.)



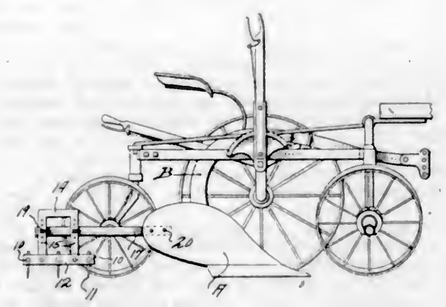
A coupling including a first nipple provided at one end with an annular enlargement having an internal annular shoulder and a plurality of internal annular grooves, one of said grooves merging into said shoulder, a channel shaped packing ring arranged in the last mentioned groove and adapted to be expanded by the fluid passing through the coupling, jaws arranged in the other groove, normally projecting into the bore of the enlargement and having inner faces inclined in a direction from the outer end of the enlargement toward the axis of the nipple, a second nipple extending into said bore and having an annular flange-bearing against said packing and adapted to be engaged by said jaws for locking the two nipples together, leaf springs in one of said grooves for normally forcing the jaws toward the axis of the nipples, said flange being free to turn a complete revolution about the axis of the nipples, a releasing ring slidably mounted on the second nipple, of greater diameter than said flange and adapted to force the jaws outwardly when the releasing ring is moved into the bore of said enlargement, spaced annular abutments on the second nipple, an internal flange on the releasing ring movable between said abutments, and a spring interposed between one of said abutments and the internal flange of the releasing ring for normally holding the releasing ring in inoperative position, the bores of the two nipples being of the same diameter.

1,587,080. VALVE. ATTILIO MARCELLI, Overland, Mo. Filed June 22, 1920. Serial No. 390,708. 3 Claims. (Cl. 251—47.)



1. In a valve, a housing provided with a valve seat, said valve seat having an upwardly projecting annular rib, a bonnet connected to the housing and having a circular groove in its underface, a handle rotatably mounted on the bonnet, a handle stem in non-rotative engagement with the handle, a disk formed integral with the handle stem and provided with an upwardly presented concentric rib which is arranged to be seated in the circular groove of the bonnet, a member threaded into the intermediate portion of the bonnet, a spring interposed between the disk and said member for holding the concentric rib of the disk seated in the circular groove formed in the under face of the bonnet, a valve stem screw seated in the said member and in non-rotative engagement with said handle stem, and a valve rotatably carried by the lower end of said valve stem and provided in its underside with an annular groove which is adapted to receive, when the valve is seated, the annular rib projecting upwardly from said valve seat.

1,587,081. PLOW DRAG. INGEBRIT O. MARTINSON, Scarville, Iowa. Filed July 30, 1925. Serial No. 47,084. 1 Claim. (Cl. 97—5.)

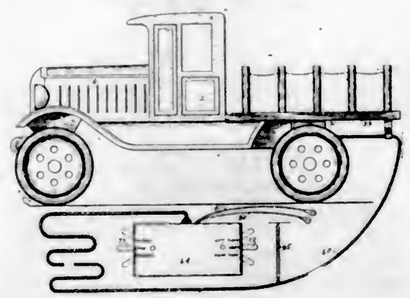


The combination with a plow, of a drag attachment comprising a supporting frame having downwardly projecting harrow teeth, U-shaped supporting members mounted upon the frame, each having its legs formed with a vertical series of perforations, forwardly converging draft and supporting bars at their rear ends extending across the U-shaped members and being engaged therewith by bolts passing through the perforations and the forward ends of said draft members being attached to a part of the plow.

1,587,082. HANDLE GRIP FOR GOLF CLUBS. GEORGE W. MATTERN, Dayton, Ohio, assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 21, 1921. Serial No. 446,581. 5 Claims. (Cl. 273—81.)

1. A hand grip for a golf club handle shaft or the like, including a cover therefor, comprising a nonelastic leather wrapping strip of single thickness having therein a plurality of cellular depressions spaced one from another and extending partially but not entirely through such hand grip cover.

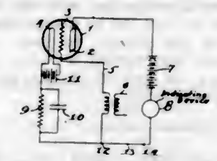
1,587,083. ELECTRICALLY-DRIVEN TOY VEHICLE. CLARENCE W. NEUZERLING, Milwaukee, Wis. Filed May 1, 1925. Serial No. 27,333. 6 Claims. (Cl. 180—2.)



6. The combination with a switchboard adapted to be placed upon a support such as a table, of a toy vehicle provided with driving and steering mechanisms, separate motors for operating the driving and steering mechanisms respectively, separate switches on the switchboard, each controlling operation of one of the motors, and a flexible cord containing the conductors for the respective motors, extending from the switchboard to such motors.

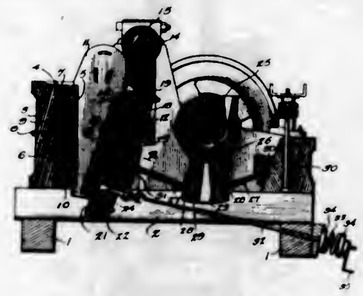
1,587,084. CIRCUITS FOR ELECTRON DISCHARGE DEVICES. GORDON DUDLEY ROBINSON, Annapolis, Md. Filed Nov. 1, 1920. Serial No. 421,027. 11 Claims. (Cl. 179—171.)

1. The combination with an electron discharge device having a cathode, an anode, and a grid, of an external circuit connecting the cathode and grid and having therein means to impress upon said grid an actuating potential from an external source, a second external circuit connecting said cathode and anode and including an indicating device and having a portion in common



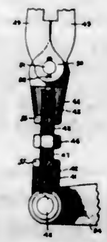
with said first circuit, and an aperiodic loop circuit in series with the common portion of said circuits whereby low frequency variations in the anode current are opposed.

1,587,085. ROCK CRUSHER. CHARLES B. ROGERS, Joplin, Mo. Filed Sept. 12, 1924. Serial No. 737,377. 2 Claims. (Cl. 83—53.)



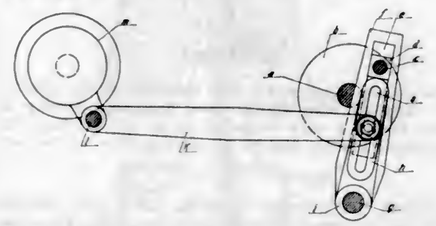
1. In a jaw-type crusher, a stationary jaw, a movable jaw, jaw plates mounted on said jaws, said jaw plates being provided with flat front faces and concaved rear faces forming an arc of a circle whereby the end portions of the jaw plates are of substantial thickness and the central portions are relatively thin, and means for actuating said movable jaw.

1,587,086. BOX-LIFTER MOTION FOR LOOMS. ELLIOT A. SANTON and WILLIAM W. BASSETT, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1924. Serial No. 750,632. 8 Claims. (Cl. 139—182.)



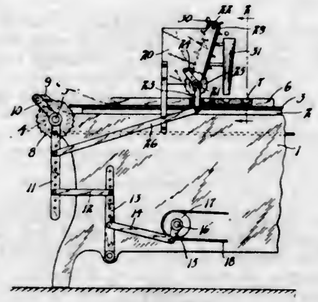
1. In a box motion for looms, a box lifting lever, a box lifter rod, a stud extending from and normally connected to the rod, a connecting link between the lever and the stud, said link having a two-part yielding portion in engagement with the stud, and an adjustable connection between the two-part portion and the lever to vary the distance between the stud and said lever.

1,587,087. DRIVING MECHANISM FOR CIGARETTE-FILLING MACHINES OR THE LIKE. ALFRED JOHANNES SCHMIEDEL, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. Filed Feb. 21, 1925, Serial No. 10,837, and in Germany Dec. 11, 1923. 2 Claims. (Cl. 74—53).



1. In a driving mechanism for a cigarette filling machine or the like, a driven crank pin, a lever composed of two parallel rigidly connected arms arranged one behind the other relative to the axis of the crank pin, the arm nearer the axis of said crank having a longitudinal slideway for said pin, means for transmitting intermittent movement to said machine and a connecting rod between said means and the other of said arms, the fulcrum of said lever being at a considerable distance from the path of said crank pin, so that during part of its circular movement the crank performs a movement substantially in the longitudinal direction of said slideway and during said movement commences the operation of the driving mechanism of the machine.

1,587,088. ARTICLE-FEEDING DEVICE FOR CANDY MACHINES. FRANK M. SCHULER, Winona, Minn., and WALTER C. DRURY, Fulton, Ill. Filed Sept. 18, 1924. Serial No. 738,391. 6 Claims. (Cl. 107—1.)

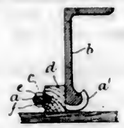


3. The combination with a traveling conveyor of a candy making machine, and a member having a plurality of rows of molds therein carried by said conveyor, of an article feeding device comprising a hopper adapted to contain the articles to be fed, a series of traveling carriers movable through said hopper, each having a series of spaced means thereon for picking up an article, a series of discharge members arranged to aline with said molds to which the articles are successively delivered by said last mentioned means.

1,587,089. BOLT. WILLIAM MOODIE THOMSON, Chepstow, England. Filed Dec. 19, 1925, Serial No. 76,393, and in Great Britain Sept. 9, 1924. 2 Claims. Cl. 189—35.)

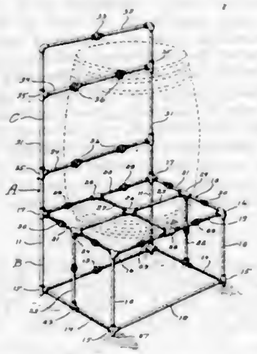
1. The combination of a flanged beam provided with a bulbed head flush at one side with the web of the beam, with an elongated structural member extending along the web of the beam and abutting the flat side

thereof opposite to the bulbed head, a bolt having a stem passing through the structural member opposite to the bulbed head and provided with a claw extending



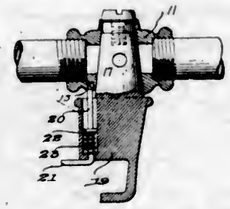
around said head, and a nut threaded on the stem of the bolt to bear against the structural member to draw the claw onto the bulbed head and to clamp the structural member against the abutting face of the web.

1,587,090. COMBINED BARREL LIFT AND STAND. CLARENCE MELVIN TWEED, Keithsburg, Ill. Filed Dec. 28, 1925. Serial No. 78,008. 3 Claims. (Cl. 248—11.)



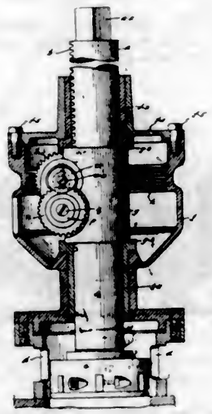
3. A device for raising and supporting barrels in an elevated upright position, comprising a stand embodying a platform, uprights extending upwardly from two adjacent corners of the stand, a handle portion connecting the upper ends of said uprights, tubular lift bars having their opposite ends respectively threaded in said uprights, and unions connected in said lift bars and spaced to each side of the longitudinal centers thereof.

1,587,091. SAFETY GAS-JET ATTACHMENT. ANTHONY C. VANADIA, Flint, Mich. Filed Jan. 25, 1924. Serial No. 688,354. 1 Claim. (Cl. 251—164.)



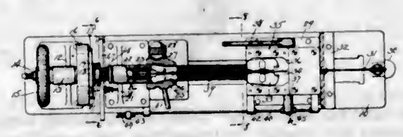
In a fitting of the class described, a tubular coupling, a shut-off valve to control the flow of fluid therethrough having a rotatable stem provided with an angularly-extending handle, an offset boss on the stem underneath said handle, a plunger extending upwardly through said boss having a grip portion underneath said handle, said boss cored out about said plunger to receive a spring, a stop formed on the plunger fitting closely within said cored out opening to guide the plunger, a spring disposed in said cored out plunger opening in the boss engaging at one end said stop and engaging at the other end an end of said cored out opening to exert downward pressure on the plunger, said coupling provided with a flattened arcuate face arranged in the path of the plunger underneath the boss on the stem and having a shoulder at each end to engage the downwardly projecting end of the plunger to limit the rotatable travel of the stem and having a recess adjacent one shoulder to receive the end of the plunger to lock the valve in the closed position.

1,587,092. BORING TOOL. WILLIAM C. VAN DRESSER, Detroit, Mich., assignor to Van Dresser Brothers, a Copartnership composed of William C. Van Dresser, Wesley B. Van Dresser, and Frank P. Van Dresser. Filed Dec. 20, 1920. Serial No. 431,844. 2 Claims. (Cl. 77—2.)



1. In a reboring tool, an internally threaded housing, a rack feed bar journaled for rotation therein, feed mechanism comprising a casing journaled in the housing and splined on the feed bar to rotate therewith, a spindle journaled in the casing and provided at one end with a driving gear adapted to engage in the thread of the housing so as to rotate through an arc of rotation equal to one tooth with each revolution of the feed bar, a pinion spindle journaled in the casing provided with a pinion engaged in the rack of the feed bar, a train of gears coupling said pinion spindle and driving gear spindle together for rotation, means for releasing one of the gears in said train from its supporting spindle so that the feed bar may be reciprocated independently of the feed mechanism.

1,587,093. STOPPING MECHANISM FOR WIRE-TWISTING MACHINES. ANTON VAN VEEN, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed July 23, 1923. Serial No. 653,130. 40 Claims. (Cl. 140—149.)

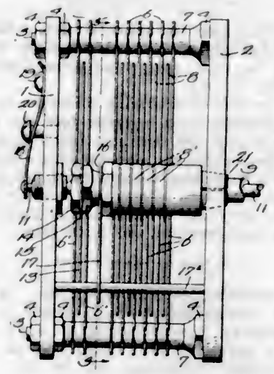


1. A wire twisting machine comprising mechanisms for holding opposite ends of the wires to be twisted, one of said mechanisms being secured to the wire and thereby moved in the direction of shortening of the wires during the twisting operation, means for operating one of said mechanisms to twist said wires, means to control the starting and stopping of said twisting mechanism, and a member positioned to be operated by said movable mechanism to control an operation of said starting and stopping mechanism.

1,587,094. TREATMENT OF COTTON FABRICS. ERNEST D. WALEN, Melrose, Mass., assignor of one-fifth to Walter S. Burrill, one-fifth to Albert F. Knight, and one-fifth to William T. Mayo, all of Hamilton, Ontario, Canada, also one-fifth to Russell Hathaway, Braintree, Mass. Filed Oct. 16, 1924. Serial No. 744,093. 4 Claims. (Cl. 134—11.)

2. A fabric for use in a paper-making machine the fibres of which are coated with an alkali silicate and are impregnated with moisture comprising a soluble oil.

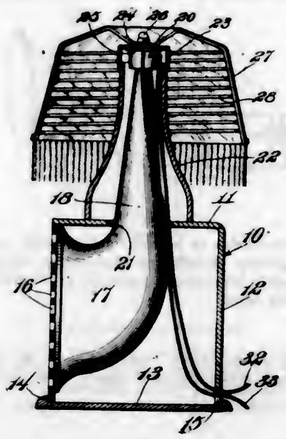
1,587,095. ELECTRICAL CONDENSER. BESTER R. WEBSTER, Chicago, Ill., assignor to Reliance Die & Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1924. Serial No. 709,513. 1 Claim. (Cl. 250—41.)



In an electric condenser, the combination with one group of electrically connected leaves constituting one condenser side; of a second group of electrically connected leaves alternated with the leaves of the first group and constituting the other condenser side; a rotatable quill-shaft carrying a portion of the leaves of one group; an inner shaft passing through the bore of the quill-shaft and carrying a leaf of the latter group; a sleeve assembled with the inner shaft and receiving and turning upon one end of the quill-shaft which has a cylindrical end portion that turns upon and within this sleeve, one end of said inner shaft passing through and projecting beyond said sleeve; a bearing for said projecting end of the inner shaft; and a bearing for the quill-shaft.

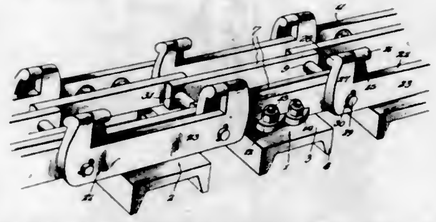
1,587,096. COMBINED RADIO LOUD SPEAKER AND LAMP. ARTHUR E. WHEELER, Logansport, Ind. Filed June 30, 1925. Serial No. 40,573. 1 Claim. (Cl. 250—14.)

In combination with a radio loud speaker embodying the usual bell and loud speaker unit, a casing for the reception of the bell having an open bottom through which the bell may be inserted and having in its top wall an opening of a diameter permitting passage of the unit and the neck of the bell, a housing neck engageable over the loud speaker unit and having its lower end of a size larger than the upper wall of the cabinet and a cap engaged with the upper end of the housing neck having means for engaging the loud



speaker unit to support the same with the mouth of the bell in engagement with one wall of the casing, said wall of the casing having perforations.

1,587,097. TRACTION CHAIN. CHARLES G. WHITE, Sault Ste. Marie, Mich. Filed Aug. 12, 1925. Serial No. 49,833. 1 Claim. (Cl. 305—10.)

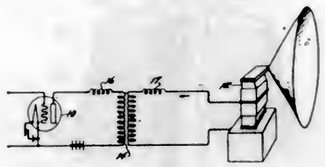


A traction chain comprising a series of links each including a body member having pintle bars upon its inner side, the pintle bars projecting beyond the opposite sides of the body and the pintle bars of alternate links being spaced apart a greater distance than the bars of the intervening links, whereby the projecting ends of the bars are overlapped between relatively adjacent links, parallel abutment bars upon each link, the abutment bars having their end portions projecting beyond the opposite sides of the respective links, the projecting end portions of the abutment bars of relatively adjacent links being overlapped, pintle pins fitted through the projecting ends of the pintle bars and abutment bars which are overlapped and pivotally connecting the links, and abutment bosses upon the ends of the abutment bars laterally offset in opposite directions whereby, when the links are in alinement the bosses upon the abutment bars of one link will abut the bosses upon the abutment bars of the next adjacent link and prevent further pivotal movement of the links in one direction.

1,587,098. TRANSFORMER CIRCUITS. HORACE WHITTLE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,376. 4 Claims. (Cl. 178—44.)

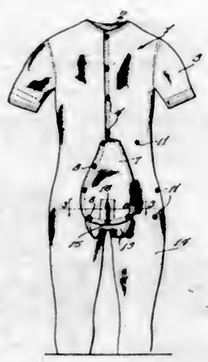
1. A transmission system comprising two portions in tandem, one of said portions having a capacitative im-

pedance, and a transformer circuit connecting said portions and having an impedance ratio equal to the ratio of the impedance of said portions at a frequency within



a band of frequencies to be transmitted, said transformer circuit comprising inductance resonating with the reactance of said capacitative portion at a different frequency in said band.

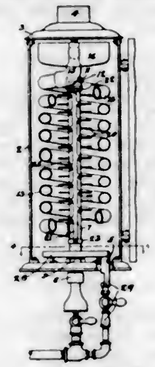
1,587,099. UNION SUIT. ALPHONZO L. Z. WILLIAMS, Chicago, Ill. Filed Aug. 29, 1923. Serial No. 659,910. 2 Claims. (Cl. 2—78.)



1. A union suit having an opening in its front extending from the crotch to a point adjacent the waistline and increased in width in a downward direction, a crotch flap secured at one marginal portion to the suit at the lower side of the said opening, buttons upon the suit at opposite sides of the opening a closure flap united to the suit at one side of the opening and disposable to close the opening and overlap the said crotch flap, the said crotch flap and the closure flap having buttonholes for mutual engagement with the said buttons, a series of buttons at the other side of the said opening, and a series of buttons laterally displaced beyond the first mentioned side of the said opening, the closure flap having a marginal series of buttonholes engageable interchangeably with the buttons of the two series whereby in one instance to hold the closure flap in closed position and in the other instance to hold the flap in open position.

1,587,100. WATER HEATER. WILLIAM WILLETT, Toronto, Ontario, Canada. Filed Jan. 2, 1926. Serial No. 78,823. 3 Claims. (Cl. 158—99.)

1. In a water heater, in combination a tubular vertically-disposed burner provided with a plurality of longitudinally disposed rows of holes, each row being spaced apart from the adjacent rows; a spreading plate located above each of the said holes for the purpose of causing the burning gas to be horizontally spread; a bar disposed longitudinally of said burner and located opposite an imperforate wall thereof between given pairs of rows of holes, and acting as a support for said spreading plates, which plates project alternately from opposite

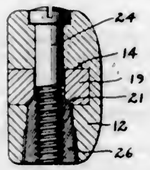


sides of said bar, and means whereby said bar is held in spaced relation to said burner and removable in relation thereto.

1,587,101. PROCESS OF PRODUCING FERTILIZER AND CATTLE FEED. ADOLPH WOOLNER, Jr., Peoria, Ill. Filed Dec. 26, 1924. Serial No. 758,316. 15 Claims. (Cl. 71—6.)

1. In the process of producing materials from which to obtain a fertilizer and a cattle feed the process of combining with the very thin slop of butyl alcohol distillation a sugar containing material of a relatively high specific gravity for raising the gravity of said slop whereby to produce a mixture from which valuable substances in the orignal slop may be economically obtained in the production of said fertilizer and cattle feed.

1,587,102. OPHTHALMIC MOUNTING. WILLIAM J. WRIGHTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 29, 1924. Serial No. 746,529. 6 Claims. (Cl. 88—53.)

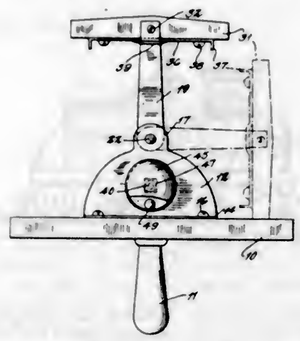


1. An ophthalmic mounting comprising a nonmetallic endpiece having a slot, a temple having a hinge leaf disposed in the slot, a pivot screw extending through the endpiece and hinge leaf at right angles thereto, and a metallic nut anchored in the endpiece and having a portion extending into the hinge leaf for frictional engagement therewith.

1,587,103. COMBINATION CLAPPER AND RATTLER. JOHN ZAGORODNY, Hartford, Conn. Filed Oct. 22, 1925. Serial No. 64,162. 1 Claim. (Cl. 46—46.)

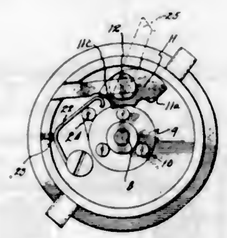
A combination clapper and rattler comprising a sound board of elongated shape, a handle for said board, secured at the lower face thereof, a pair of members having foot flanges for securing said members to the upper face of said board to form a frame thereon, ears formed at the upper end of said frame, a transverse pin in said members having threaded outer ends, a pair of hemispherically shaped bell-bodies, threaded sockets on the

inner faces of said bodies adapted to engage the threaded ends of said pin, means for holding the bell parts in relative positions, balls loosely held in said bell bodies, a hammer having the lower end of its shaft pivotally attached to said members adapted to swing about the same



in endwise direction, a pair of sound faces at the ends of said hammer adapted to engage said board during the endwise up and down displacement of said board, and a vibratory strengthening means attached to the lower face of said hammer.

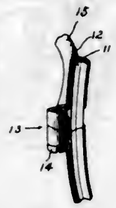
1,587,104. OBSTRUCTION RELEASE FOR GRINDING MACHINES. WILLIAM W. DRYDEN, Louisville, Ky., assignor to Walter F. Stimpson, Louisville, Ky. Filed Aug. 30, 1924. Serial No. 735,072. 8 Claims. (Cl. 83—8.)



1. In a device of the character described, a fixed grinding disc, a shaft driven from a source of power and having a radially spaced projection thereon, a rotatable grinding disc, and means for detachably connecting the rotatable grinding disc with the shaft, including a driving plate pivotally mounted on the rotatable disc and adapted to extend into the path of said projection and a guard spring arranged to hold the driving plate in engagement with the shaft projection as long as the power applied to the driving shaft is below a predetermined maximum and to hold the driving plate out of engagement with the shaft projection after the plate has been swung away therefrom by application of a force greater than the predetermined maximum.

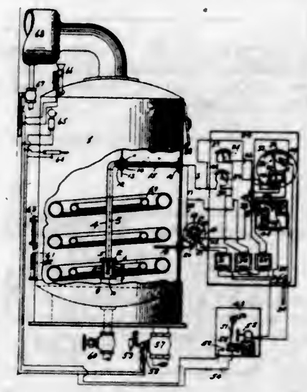
1,587,105. OPHTHALMIC MOUNTING. WILLIAM C. EATON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 23, 1923. Serial No. 653,222. 2 Claims. (Cl. 88—47.)

1. In a device of the character described, a split lens rim having abutting ends, said line of abutment being inclined to the sides of the rim, a lug on the eye side of the rim extending from one of the ends of the rim, the top of said lug having an inclined face making an acute angle with the line of abutment of the end of the rim, a bridge member joined to the other end of the rim



above the line of abutment and having an extending lug aligned with the lug on the other end of the rim and having a face contacting with the inclined face of the first lug, and means for securing the two lugs together.

1,587,106. APPARATUS FOR AUTOMATIC PREPARATION OF PRODUCTS. PHILIP E. EDELMAN, New York, N. Y. Filed Aug. 17, 1920. Serial No. 404,203. 13 Claims. (Cl. 175—183.)

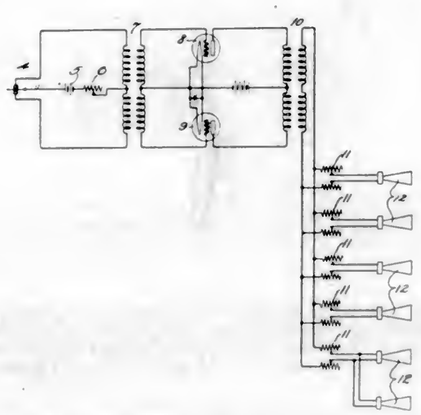


1. An attachment for a fluid treating vacuum pan comprising a detachable insertable set of electrodes, a temperature and vacuum compensator therefor, a control box comprising electrical circuits connected with said electrodes and compensator, and means connected thereto to indicate when a predetermined concentration has been attained by a fluid undergoing treatment in said vacuum pan without reference to temporary fluctuations in said fluid.

1,587,107. PUBLIC ADDRESS SYSTEM. GEORGE D. EDWARDS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,507. 9 Claims. (Cl. 179—1.)

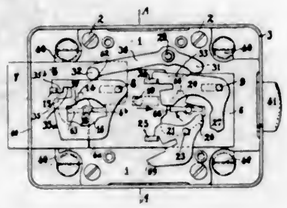
1. A public address system comprising a transmitter, a plurality of loud speaking projectors grouped sub-

stantially at the same point and extending radially therefrom for projecting sound over a large area and



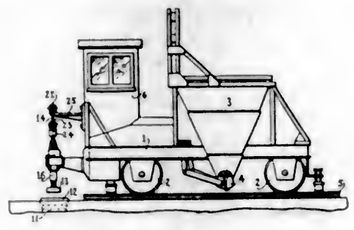
means associated with said projectors for controlling the distribution of the sound over said area.

1,587,108. SAFETY LOCK. VINCENT JOSEPH MARIE ERAS, Dordrecht, Netherlands. Filed Dec. 1, 1923, Serial No. 678,010, and in Germany Aug. 28, 1923. 13 Claims. (Cl. 70—72.)



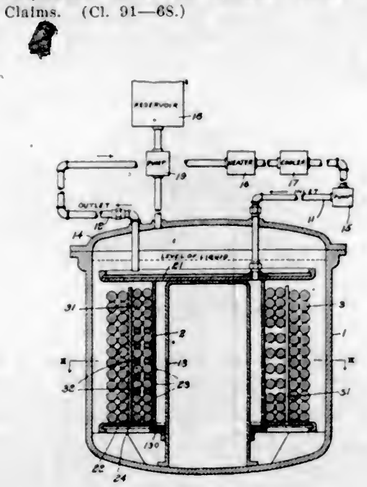
1. A safety lock comprising in combination; a lock case, a main bolt, a secondary bolt arranged in one line with said main bolt and adapted, when locked, to block said main bolt, two horizontal keyholes in said lock case for inserting a separate key for each bolt, tumblers devoid of springs for locking said main bolt, two separate sets of pivoted tumblers also devoid of springs for locking said secondary bolt, said two sets of tumblers being respectively located above and below the pertaining keyhole, the pivotal axis of the lower set of tumblers being arranged substantially in the vertical plane of the latter keyhole axis, rearward extensions on the tumblers of said lower set, and oppositely facing key-sweeps on said two sets of tumblers, the key-sweeps on said lower set of tumblers being formed over said rearward extensions.

1,587,109. HANDLING APPARATUS. BERNHARD E. FERNOW, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1921. Serial No. 500,197. 12 Claims. (Cl. 214—18.)



1. Handling apparatus including an electromagnet for holding an article, power operated means for raising and lowering said electromagnet, and associated means for rotating said electromagnet upon its axis.

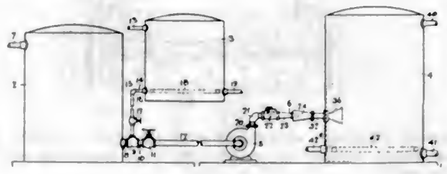
1,587,110. METHOD AND APPARATUS FOR IMPREGNATING CABLES. HENRY W. FISHER, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 5, 1925. Serial No. 495. 5 Claims. (Cl. 91—68.)



1. The method herein described of effecting impregnation of insulated conductors, which consists in coiling a length of conductor into a layered coil, the superposed layers lying alternately in contact one upon another and spaced apart at an interval one from another, and causing insulating compound to circulate in a stream between the spaced apart layers.

5. In cable-impregnating apparatus, the combination of a kettle, means for circulating insulating compound through the kettle, means for maintaining upon the body of compound within the kettle elevated pressure, a reel adapted to be introduced within and removed from said kettle, said reel including in its structure a drum-like core with perforations in its walls and spacers.

1,587,111. TREATING MINERAL OILS. GEORGE L. FOGLER, Tulsa, Okla. Filed July 17, 1923. Serial No. 652,055. 5 Claims. (Cl. 196—5.)



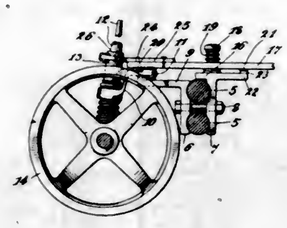
1. The method of treating emulsified oil that comprises establishing a moving stream of the oil, adding water to the said stream, rotating the mixture about its axis while advancing, and permitting said mixture to separate by gravity.

1,587,112. ROLLING MILL FOR PIERCED OR SOLID METAL BLANKS. JOSEF GASSEN, Dusseldorf-Rath, Germany. Original application filed Feb. 13, 1922, Serial No. 535,998, and in Sweden Sept. 7, 1921. Divided and this application filed Feb. 6, 1925. Serial No. 7,259. 2 Claims. (Cl. 80—13.)

1. In a rolling mill for producing seamless hollow bodies from pierced or solid metal blanks, a bore forming mandrel, a pair of disc rolls arranged in spaced relation to each other and having their axes of rotation disposed in spaced relation to a horizontal plane passing through the major axial line of a blank moving between said disc rolls, said rolls having opposed converging working faces forming a narrowing pass for the blank, and a pair of conical rolls arranged respectively on opposite sides of said mandrel and associated with the respective disc rolls to form a widening pass for the metal blank.

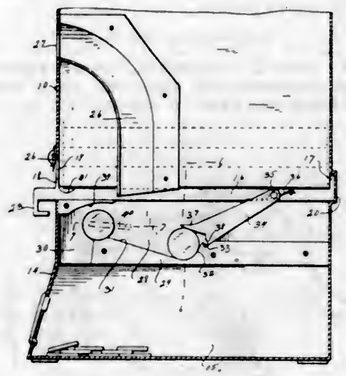
1,587,113. SPINNING SPINDLE. NORMAN G. GLATTFELTER, Drummondsville, Quebec, Canada, and KARL BABERADT, Hazleton, Pa., assignors to Louis Roessel & Co., Inc., New York, N. Y., a Corporation of Pennsylvania. Filed June 2, 1925. Serial No. 34,305. 8 Claims. (Cl. 192—4.)

1. In combination with a pivotally mounted spindle carrying arm and a drive wheel to engage one side of the spindle, a pivotally mounted lever having means at one of its ends coacting with the spindle arm when said lever is moved in one direction to move said arm and



disengage the spindle from the driving wheel, and means for yieldingly latching said lever against movement in the reverse direction.

1,587,114. VENDING MACHINE. WILTON J. GOUDEAU, Driver, Ark. Filed Oct. 22, 1923, Serial No. 670,043. Renewed Jan. 30, 1926. 2 Claims. (Cl. 194—58.)

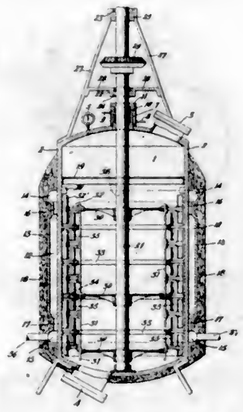


1. A vending machine having a slidable member, coin actuated mechanism normally preventing the outward movement of the sliding member comprising a latch pivotally mounted on the sliding member and urged downward, said latch having a forwardly directed finger, a fixed member below the sliding member having a notch with which the latch is normally engaged, a coin supporting member disposed below the coin slot of the coin and having a downwardly and rearwardly inclined upper surface inclined downward to a point beneath the finger of the latch whereby to guide a coin into position beneath said finger and cause the coin to lift the finger upon a forward movement of the slidable member and the finger, and means at the apex of said inclined portion for holding a coin in position upon a full stroke of the slidable member and thereby block the further passage of that coin until a second coin is shifted upward into such position.

1,587,115. PROCESS AND APPARATUS FOR THE HEAT TREATMENT OF CHEMICAL COMPOUNDS. FRANCIS X. GOVERS, New York, N. Y. Filed Aug. 8, 1923. Serial No. 656,388. 4 Claims. (Cl. 23—1.)

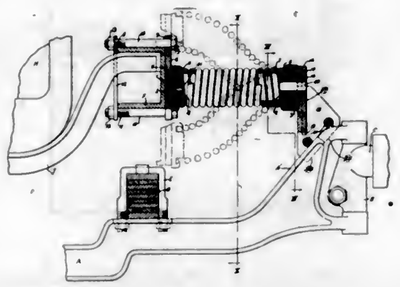
1. In the process of heating a fluid charge in a vessel having substantially circular cross section and having

its circular walls heated, the step of so stirring the charge as to continuously impinge substantially radially



directed streams of ever changing portions of the charge against the heated surface.

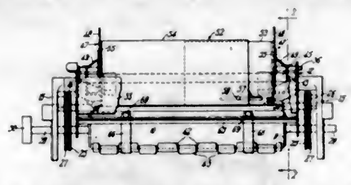
1,587,116. SHOCK ABSORBER FOR VEHICLES. ALBERT M. GRAVES, St. Louis, Mo. Filed Jan. 26, 1925. Serial No. 4,763. 5 Claims. (Cl. 267—28.)



1. In combination with a vehicle having an axle, a body and resilient means for supporting said body, a shock absorber, said shock absorber comprising a spring seat associated with said axle, means for rigidly clamping said spring seat to said axle, a spring seat associated with said vehicle body, means for rigidly clamping said spring seat in place, and a spring interposed between said spring seats and having its ends rigidly secured thereto, said spring being normally arranged in a substantially horizontal position where it exerts no upward and downward pressure against said vehicle body and being moved when the body of the vehicle is displaced vertically to positions where it exerts upward and downward pressure against said vehicle body.

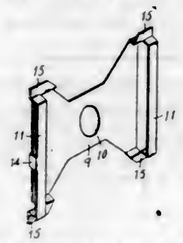
1,587,117. TYPEWRITING MACHINE. GEORGE A. GREENWOOD, Worcester, Mass., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 23, 1924. Serial No. 721,700. 13 Claims. (Cl. 197—126.)

1. In a typewriting machine having a carriage, a platen-displacing frame pivoted on said carriage to swing upwardly and to the front, a platen revoluble in the frame, a knife mounted in the frame to swing adjacent the full length of the platen, and one or more paper-



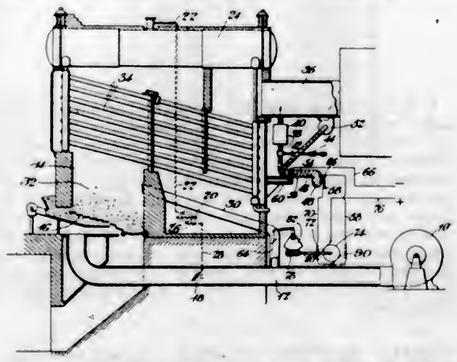
fingers adjustably engageable with the knife to guide a work-sheet around the platen free from confliction with the knife.

1,587,118. LATH SUPPORT FOR ELECTRIC-FIXTURE UNITS. LOUIS R. GREUSEL and CHARLES W. FINLEY, Battle Creek, Mich. Filed May 20, 1925. Serial No. 31,578. 7 Claims. (Cl. 247—22.)



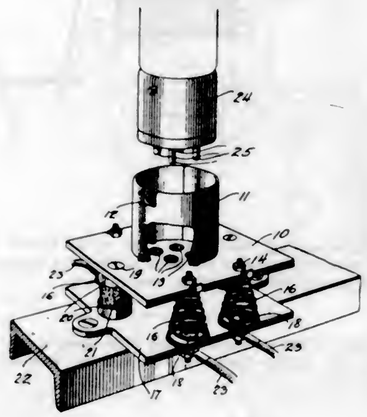
7. As an article of manufacture, a lath holding plate apertured for the passage of a fixture attaching member when the plate is interposed between a fixture member and its support, said plate having lath supporting means at the end thereof.

1,587,119. METHOD OF AND APPARATUS FOR CONTROLLING THE COMBUSTION OF FUEL IN FURNACES. JOHN WILLIAM GRISWOLD, Warren, Pa., assignor to Henry L. Doherty & Company, a Copartnership (composed of Henry L. Doherty and Frank W. Frueauff), New York, N. Y. Filed Feb. 12, 1920. Serial No. 358,016. 34 Claims. (Cl. 236—14.)



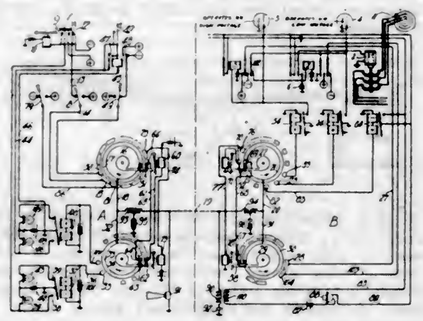
32. A method of controlling the combustion of fuel in a furnace having combustion products of varying carbon dioxide content issuing therefrom, which comprises introducing air into the furnace for burning the fuel and automatically maintaining a substantially constant condition of over-ventilation in the furnace by a mechanism responsive to a chemical analysis of the exhaust flue products.

1,587,120. MOUNTING FOR VACUUM TUBES. ARTHUR HADDOCK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1920. Serial No. 429,213. 5 Claims. (Cl. 173—328.)



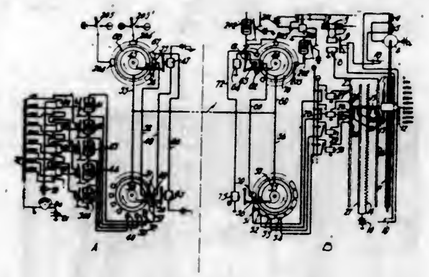
1. In a device of the character described, a member for holding a vacuum tube, a base, resilient members supporting said holding member on said base, cups on the adjacent faces of said holding member and base, and a cylinder of elastic material having its ends arranged in said cups.

1,587,121. REMOTE CONTROL AND SUPERVISORY SYSTEM. JOHN B. HARLOW, Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 1, 1921. Serial No. 519,161. 7 Claims. (Cl. 177—353.)



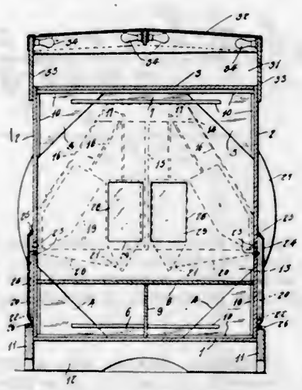
1. In a remote control and supervisory system, a controlling station and a remote station, a device located at the remote station to be controlled from the controlling station, two pairs of switching devices operated alternately in synchronism, means operable at the controlling station to control said device through the medium of one pair of said switching devices, and means controlled by the operation of said device for automatically restoring said means to its non-controlling conditions through the medium of the second pair of said switching devices.

1,587,122. ELECTRICAL SWITCHING AND INDICATING SYSTEM. JOHN B. HARLOW, Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1921. Serial No. 526,183. 3 Claims. (Cl. 177—351.)



1. In an electrical switching system, a control station and a remote station, an indicating device at the remote station, a plurality of relays at said remote station selectively actuated upon the actuation of said device, a pair of synchronized distributors, one at each station, a circuit connecting the same, said relays upon actuation impressing current of a definite polarity upon the corresponding segments of the distributor at the remote station, said current being transmitted to the corresponding segments of the distributor at said central station, a plurality of polarized relays at said control station associated with the distributor thereat, said polarized relays being selectively actuated in accordance with the current applied to the segments of said control station distributor, a meter, a series of resistances associated therewith, a series of relays selectively actuated by said polarized relays to variably connect said resistances to said meter to indicate the action of said device at the remote station.

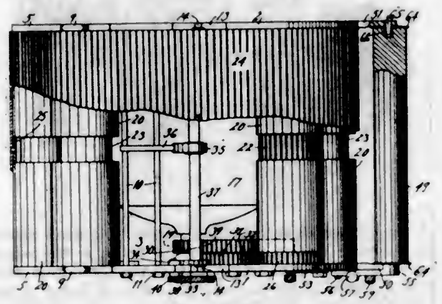
1,587,123. ADVERTISING SIGN. JOSEPH A. HASLINGER, Oldsmar, Fla. Filed Feb. 21, 1925. Serial No. 10,877. 2 Claims. (Cl. 40—67.)



1. An advertising sign comprising a frame, means for strengthening and reinforcing the frame, a bench board within the frame for supporting a price indicator having pivoted numeral bearing plates and pull cords connected to the plates, the sides of the frame being provided with horizontal openings for the passage of the pull cords,

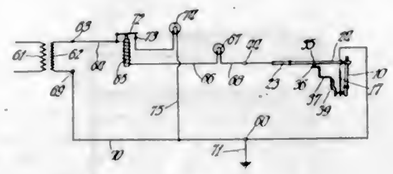
plates secured to the frame and provided with openings through which the numeral bearing plates may be seen, and covers for the openings and pull cords and secured to the sides of the frame.

1,587,124. FLOOR SURFACER. WILLIAM A. LACY, Springfield, Mass. Filed Oct. 10, 1923. Serial No. 667,645. 15 Claims. (Cl. 51—174.)



1. The combination, in a floor surfacer, with a slotted frame, bars held and arranged to slide in the slots in said frame, and rigid connecting means between said bars, of a shaft journaled in said frame, a ratchet-wheel and a cam secured to said shaft, said connecting means being in the path of said cam, and a pawl pivotally connected with said frame for said ratchet-wheel.

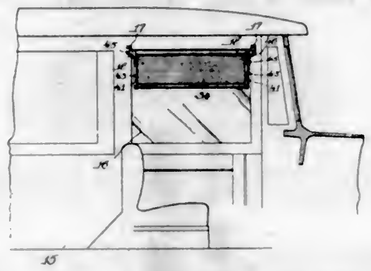
1,587,125. TELEPHONE SIGNAL SYSTEM. OSCAR M. LEICH, Genoa, Ill., assignor to Leich Electric Company, Genoa, Ill., a Corporation of Illinois. Filed Jan. 21, 1924. Serial No. 687,517. 4 Claims. (Cl. 179—94.)



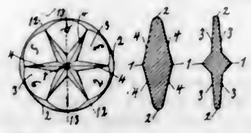
3. In a signal system, a drop, a signal lamp lighted by said drop upon assuming a down position, means for operating said drop from a remote point, and means for flashing said lamp by operation of said means after said drop is down.

1,587,126. COMBINED SHADE AND AWNING. EDWARD L. LEINBACH, Chicago, Ill. Filed July 14, 1923. Serial No. 651,498. 8 Claims. (Cl. 296—95.)

1. A frame having a window opening, supports pivotally mounted by one end adjacent the opening, inwardly opening guideways in the supports, a roller journaled adjacent the pivoted ends of the support, a flexible shade adapted to be rolled upon and unwound from the roller, a bar connected with the free end of the shade and movable in the guideways, means co-operating with the said guideways, and the bar for maintaining the shade in its adjusted position, the said means being substantially co-extensive with the said guideways and co-operating therewith for clamping substantially the entire lateral edges of the shade, and means for securing the said supports in their adjusted positions about their pivots.

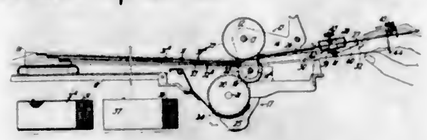


1,587,127. TOY. JONS MONSON, New York, N. Y. Filed Aug. 25, 1925. Serial No. 52,308. 2 Claims. (Cl. 273—147.)



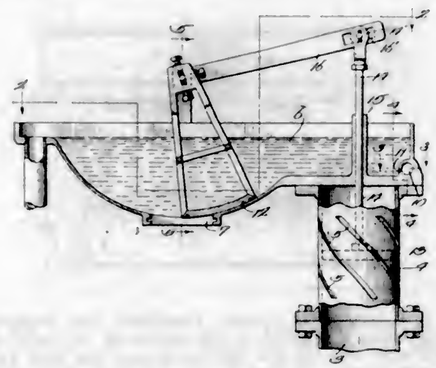
1. A spinning toy comprising a disc-shaped body thickest at the center and thinner at the edge having on its opposite sides ridges radiating from the center, these ridges forming the resting bases of the toy after being spun.

1,587,128. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 15, 1923. Serial No. 619,087. 14 Claims. (Cl. 197—126.)



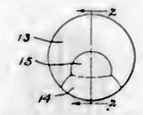
1. In a typewriting machine of the fanfold or continuous billing type, in combination, a revoluble platen, means to guide superimposed packs or webs of work-sheets or plies, having carbon-sheets interleaved therebetween and having forms of different lengths printed thereon, underneath and around said platen, means for protecting said forms printed on said work-sheets or plies of some of said packs or webs from receiving the impression of part, but not all, of the matter typed on other of said forms printed on said work-sheets or plies of other of said packs or webs, means for lifting or displacing said platen to provide for the straightening out and drawing forward of said packs or webs, and means rendered operative only when said platen is lifted or displaced for separately gaging the leading edges of said packs or webs, while in straightened condition, to enable each of said packs or webs to be withdrawn different distances from the machine and thus enable said work-sheets or plies to be cut off in different lengths from said packs or webs.

1,587,129. LIQUID-TREATING APPARATUS. INOS B. TANNER, Chicago, Ill. Filed July 23, 1924. Serial No. 727,814. 2 Claims. (Cl. 210—30.)



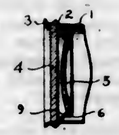
1. The combination with a fluid receptacle having a port in the form of a slot for the passage of fluid therefrom; of a valve for said port, said port being oblique with respect to the line of relative movement of said valve and port.

1,587,130. MULTIFOCAL LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 29, 1924. Serial No. 746,533. 4 Claims. (Cl. 88—54.)



1. A multifocal lens comprising a major portion having a plurality of intersecting and overlapping spherical recesses of different curvature in one of its surfaces, and a segment of a different kind of glass secured in each of the recesses, both segments being of the same kind of glass and a single continuous curve over the major portion and the segments.

1,587,131. OPHTHALMIC MOUNTING. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 1, 1926. Serial No. 85,247. 5 Claims. (Cl. 88—41.)

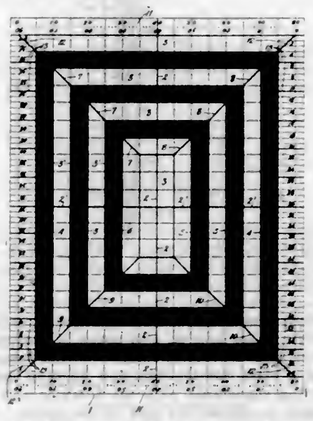


1. In a device of the character described, a lens rim having a lens groove with inclined walls, the center of the groove being lower than the edges of the groove, and a second lens rim having an inclined portion shaped to rest on one side of the lens groove in the first rim and to be retained thereon by the lens held in the lens groove of the first rim.

1,587,132. AWNING ATTACHMENT. MAXIMILIAN J. L. TOWLER, Detroit, Mich. Filed Aug. 6, 1923. Serial No. 655,890. 1 Claim. (Cl. 254—197.)

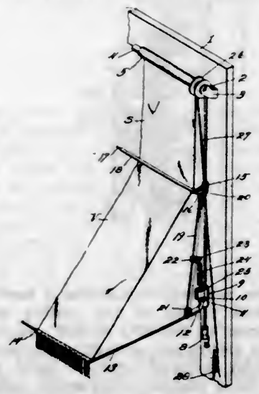
An attachment for an awning pulley block having ears, a journal pin, and a sheave, said attachment comprising a rope shield having ears between the block ears and the sheave with said shield ears pivoted on said journal pin, said shield having an outer tubular rope receiving end and an inner inverted U-shaped end over said sheave.

1,587,133. SPACE GUIDE. CLARAS ANHOF, New York, N. Y. Filed July 29, 1925. Serial No. 46,732. 5 Claims. (Cl. 283—1.)



1. A space guide comprising a sheet, squares on said sheet, alternate rows of said squares filled in with a contrasting color to the color of the sheet to form a series of concentric and coaxial rectangles.

1,587,134. WINDOW AWNING. FREDERICK A. ANTON, Topeka, Kans. Filed Sept. 17, 1923. Serial No. 663,142. 14 Claims. (Cl. 156—44.)



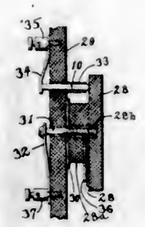
1. A window awning, comprising a roller, a fabric attached at its upper end to the roller, a vertically movable and pivoted U-frame attached to the lower end of the fabric, means spanning the fabric at its outer side

vertically below the said roller, connecting means whereby bodily upward or downward movement of the U-frame shall positively impart like movement to said fabric spanning means, and yielding means applying force resistive to that of the roller, and tending to swing the pivoted frame outwardly and downwardly.

1,587,135. ADJUSTABLE AWNING. FREDERICK A. ANTON, Topeka, Kans. Filed Sept. 14, 1925. Serial No. 56,200. 8 Claims. (Cl. 156—44.)

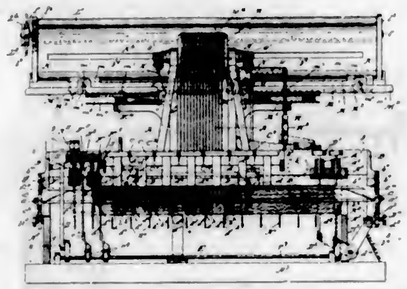
1. A window awning, comprising a roller, a fabric attached at its upper end to said roller, a vertically movable and pivoted U-frame attached to the lower end of the fabric, a visor-forming bar, and yielding means having a shifting connection with the U-frame and applying force tending to oppose the pull of the fabric.

1,587,136. VARIABLE RESISTANCE. THOMAS APPLEBY, Philadelphia, Pa. Original application filed Mar. 23, 1920, Serial No. 368,046. Divided and this application filed Dec. 21, 1923. Serial No. 681,935. 12 Claims. (Cl. 201—55.)



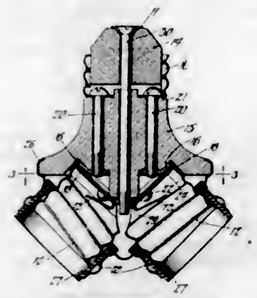
1. A variable resistance comprising a fixed support, a conducting shaft carried by and passing through said support, a spring on one side of said support engaging said shaft and electrically connecting therewith, a member of insulating material rotatable about the axis of said shaft, a fixed contact or abradable conducting material engaging said rotatable member to form thereon a resistance element, and an electrical connection from said shaft to said resistance element.

1,587,137. WORD-WRITING MACHINE. CLYDE C. BALSTON, New York, N. Y. Filed Apr. 18, 1922, Serial No. 555,385. Renewed Apr. 17, 1924. 77 Claims. (Cl. 197—7.)



1. A typewriting machine comprising type supports each having a plurality of type, mechanism for operating said type supports, and mechanism operating upon and coacting with said type support operating mechanism to simultaneously move a number of different separately movable characters into printing position side by side to form a word, and a means to support paper to receive simultaneously impressions from all of said type supports, by the depression of a single key of said second mentioned mechanism.

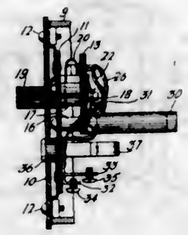
1,587,138. ELECTRICAL CONNECTER DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1921. Serial No. 501,699. 1 Claim. (Cl. 173—335.)



A two-way plug comprising a plug shell contact having an inwardly extending flange, a pair of receptacle shell contacts, each of said receptacle shell contacts having an inwardly extending flange, said flanges lying in three intersecting planes, and means for electrically and mechanically connecting said receptacle shell flanges with said plug shell flanges, comprising a stamping having two united U-shaped portions lying parallel to and secured to said receptacle shell flanges, respectively, and two tongues struck up from between the arms of said U-shaped portions, respectively, and two screws extending through said plug shell flange and threaded into said tongues respectively.

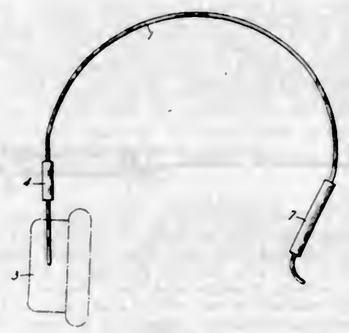
1,587,139. ELECTRIC SWITCH. WALTER L. BETTS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,157. 1 Claim. (Cl. 201—48.)

In combination, an outlet box, a mounting plate fitting into said box, a resistance device carried on the back of the mounting plate having taps leading to contact points on said plate, a wiper carried by said mounting plate for engaging said contact points, a flush plate,



means for securing said mounting plate and flush plate to said box, and a jack carried by said mounting plate and extending through the flush plate.

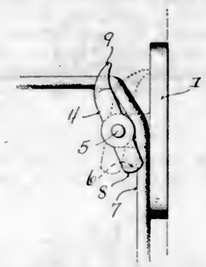
1,587,140. TELEPHONE HEAD SET. NELSON BLOUNT, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,158. 4 Claims. (Cl. 179—156.)



1. A headband comprising a flexible member formed to fit the head and having two cooperating opposed tension members, a receiver mounted between the ends of said tension members, a spacing strip having its opposite ends engaging said opposed members near their ends and being provided with slots with which bends in the said tension members cooperate for permitting the automatic adjustment of the receiver.

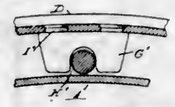
1,587,141. CLOTHESLINE FASTENER. ISAAC BONNEAU, Wauwatosa, Wis., assignor of one-half to Paul H. Taddey, Wauwatosa, Wis. Filed Sept. 26, 1925. Serial No. 58,844. 1 Claim. (Cl. 24—133.)

A clothes line fastener comprising a plate, a lug projecting from said plate, and a latching lever pivoted intermediate its ends to said lug, said plate extending upwardly beyond the upper end of said lever, said lever having a lower end adapted to bind said clothes line against said plate and having a pair of spaced ears at its upper end adapted to receive said clothes line between them, said ears being rearwardly curved and extending beyond the outline of the body of said lever, one of said ears being adapted to contact with said plate to hold the upper end of said lever spaced from



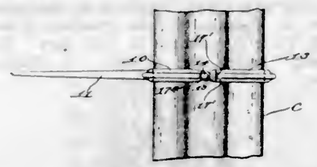
said plate, whereby said line may be freely tightened by pulling on the lower end without binding between the lever and said plate.

1,587,142. DRIVING LUG FOR DEMOUNTABLE RIMS. WILLIAM N. BOOTH, Detroit, Mich. Filed Apr. 2, 1919. Serial No. 286,995. 4 Claims. (Cl. 301—10.)



1. The combination with a channeled vehicle wheel rim and a demountable rim therefor, of a driving lug for transmitting torque from one to the other in substantially their central planes of rotation, said driving lug having centrally located means for detachably engaging one of said members and integral means of engagement with the other of said members, said integral means comprising members offset on opposite sides of the radial plane of said detachable engagement means.

1,587,143. HANGER FOR CONDUCTOR PIPES. JOHN E. BUCKLEY, Needham, Mass. Filed Mar. 24, 1921, Serial No. 455,092. Renewed Mar. 27, 1926. 1 Claim. (Cl. 248—36.)

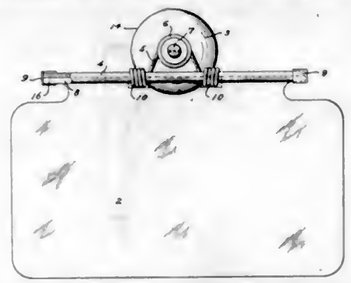


A hanger of the kind described, comprising an inner body portion equipped with means for securing the same to a fixed support, an outer portion hinged thereto, said inner and outer portions having mating projections adapted to be brought into proximity side by side and so as to embrace a pipe, the projection on said inner portion having a socket for holding the head of a cotter pin, and the projection on said outer portion having an opening receiving the prongs of the cotter pin, the extremities of said prongs being spread apart to engage said projection and hold said portions assembled.

1,587,144. ANTIGLARE DEVICE. HENRY L. BURK, Milwaukee, Wis. Filed Jan. 10, 1925. Serial No. 1,521. 2 Claims. (Cl. 296—97.)

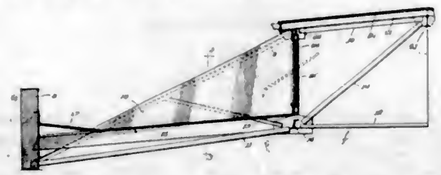
1. An anti-glare device comprising, a single rubber vacuum cup formed for direct attachment to a vehicle

wind-shield, a pivot formed integral with said cup and disposed substantially perpendicular to the wind-shield, a rod having a portion of circular cross-section form-



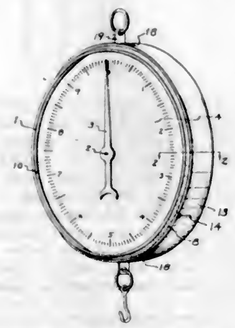
ing a second pivot disposed substantially parallel to the wind-shield, a single spring connecting and frictionally engaging said pivots, and an anti-glare shield attached directly to said rod.

1,587,145. BUILDING CONSTRUCTION. WILLIAM G. CARNEGIE, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,702. 1 Claim. (Cl. 108—1.)



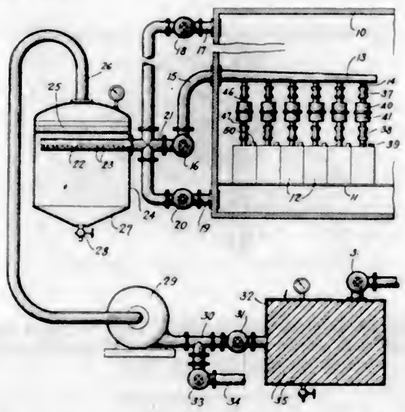
In a building, the combination with the side walls, of one or more trusses supported by said walls, roof joists having their outer ends carried by the walls and their inner ends supported by the trusses, a roof covering on said joists, a central roof having joists carried by the upper chords of the trusses and a roof covering thereover and walls extending from the outer edges of the central roof portion downwardly to the inner edges of the outer roof portions thereby forming a central monitor.

1,587,146. SCALE CASE. GEORGE E. CHATILLON, New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1924. Serial No. 695,690. 5 Claims. (Cl. 265—68.)



1. In a scale, flanged front and back sash ring members, an annular separable channel member receiving and retaining the flanges of said front and back members therein, and securing means for the channel member.

1,587,147. TREATMENT OF STORAGE-BATTERY GASES. JOHN M. CLARK, Whitestone, N. Y. Filed July 18, 1922. Serial No. 575,833. 5 Claims. (Cl. 136—180.)

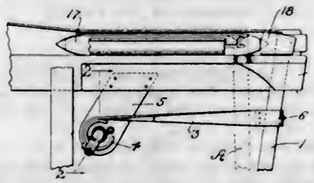


1. The combination with a storage battery and a battery room of a means for removing the gases therefrom, said means including in the order named, an entrained moisture removing means, a manifold, a suspended moisture removing means, a suction producing means, a neutralizing means and a discharge.

1,587,148. MEANS FOR LOCKING HOSE CONNECTION FIXTURES OF OXYACETYLENE TORCHES. CLARENCE J. COBERLY, Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Jan. 2, 1924. Serial No. 684,097. 7 Claims. (Cl. 158—27.4.)

7. In a torch construction, the combination of: a supporting body; tubes extending from said body; a grip member extending over said tubes; a head member in the end of said grip member, the end of said tube extending entirely through said head member; hose attachment members on the ends of said tubes; and a pair of wedge-shaped elements cooperating to lock said members against independent rotation, the parts cooperating to transmit to said grip rotative forces applied to said attachment members.

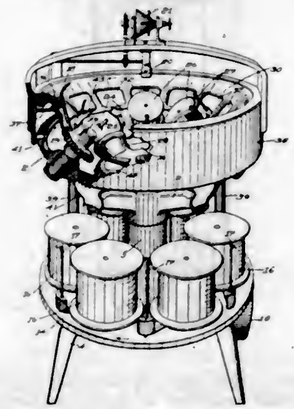
1,587,149. PICKER CHECK. LOUIS M. COTCHETT, West Newton, Mass., assignor to The Stafford Company, Readville, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1925. Serial No. 2,565. 1 Claim. (Cl. 139—163.)



A picker-check comprising a strap which cooperates with the picker-stick of a loom, a curved friction surface around which said strap extends in contact therewith, and a spring-actuated arm with which said strap is engaged at a point closely adjacent the periphery of said

friction surface so that the angular swinging movements of the arm slide the strap upon the said curved friction surface a distance equal to the extent of the angular movement of the point of connection of the strap with the arm.

1,587,150. BRAIDING MACHINE. PHILIP W. DALRYMPLE, Newton, Mass., assignor to Samson Cordage Works, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 9, 1923. Serial No. 667,581. 9 Claims. (Cl. 96—4.)

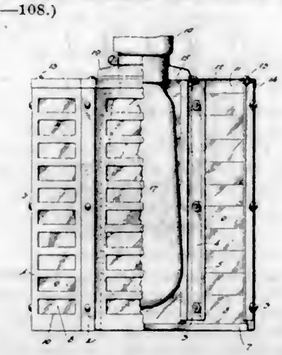


1. In a braiding machine, two sets of thread carriers located at different levels one set having independently rotatable fliers and both sets being mounted concentrically the carriers of one set being located in staggered relation to those of the other set, and means connecting said rotatable fliers with the set of carriers not having fliers whereby said fliers as they rotate will cause the movement of the latter set of carriers and both sets of carriers will move in the same direction.

1,587,151. DIAGNOSTIC INSTRUMENT. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Aug. 24, 1923. Serial No. 659,080. 2 Claims. (Cl. 88—20.)

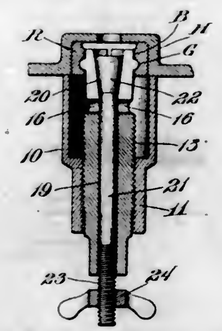
1. In a device of the character described, in combination with a handle light source, a light socket extension having a threaded connection to the handle, an internal threaded lamp socket recess in the extension, an internal orifice leading from the handle to the lamp socket recess, an external threaded portion on the extension, a light passage-way casing engaging the external threaded portion, an electric lamp in the threaded lamp socket recess, a second threaded external portion, on the extension and a circuit breaker band on the second threaded portion adapted to make and break the electric circuit between the handle and lamp by rotation of the circuit breaker band.

1,587,152. LAMP SHADE. WILLIAM FRICK, Detroit, Mich. Filed Jan. 5, 1925. Serial No. 523. 2 Claims. (Cl. 240—108.)



1. A lamp shade comprising a sheet metal body having a set of wide facets and a set of narrow facets, and the wide facets provided with a plurality of openings, superimposed colored plates arranged in said body against the wide facets thereof and at the openings of said body, said body having a lower end flange supporting said superposed plates, means attached to the narrow facets of said body to retain said plates in superposed relation therein, said body having an upper inturned flange, and a top wall fitted on said body and attached to the upper flange thereof and adapted for supporting said body relative to an incandescent lamp in said body.

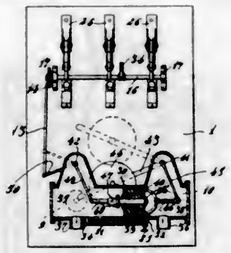
1,587,153. BALL-RACE EXTRACTOR. EDGAR E. HENDRICKSON, Hopkinsville, Ky. Filed Apr. 9, 1925. Serial No. 21,948. 1 Claim. (Cl. 29—88.2.)



In an extractor for the outer races of ball bearings, a shell having an interiorly threaded neck, an extractor threaded through the neck and formed at one end with arms, each provided upon the outer face with a bead for engagement in the ball race groove of the race to be extracted, said extractor having a longitudinal bore tapered at that end thereof lying between the arms with

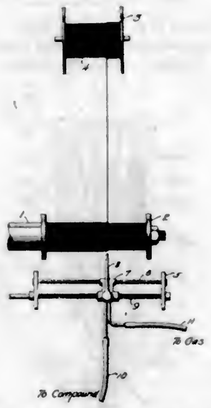
a taper increasing in size towards the ends of the arms, and a wedge shiftable through the bore and engaging said taper for expanding the arms, the end of the extractor being longitudinally split to provide said arms, the inner ends of the splits being enlarged to add to the resiliency of the arms at the inner ends thereof.

1,587,154. SWITCH FOR ELECTRIC WATER-HEATING APPARATUS. KAREL FREDERIK HENNEMAN, The Hague, Netherlands, assignor of one-half to Pieter Kerkhoven, The Hague, Netherlands. Filed Nov. 6, 1923, Serial No. 673,211, and in the Netherlands Nov. 7, 1922. 4 Claims. (Cl. 200—82.)



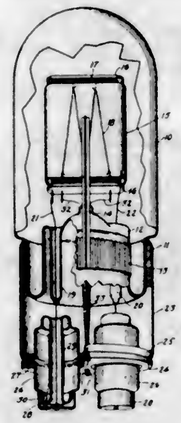
1. A switch device of the character described particularly for electric water heating apparatus, comprising a cylinder, a piston like member, having at least one perforation extending therethrough, a by-pass communicating with the cylinder spaces at both sides of the piston and means immediately accessible for adjusting this by-pass, means for automatically moving the piston to close the by-pass at one end, a piston rod movable relatively to the piston, a valve member on the said piston rod for closing the said perforation in the piston and a switch operated by the movement of the piston to switch on and off the electric current.

1,587,155. ELECTRICAL APPARATUS. EDWARD M. HONAN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 27, 1921. Serial No. 480,897. 1 Claim. (Cl. 175—21.)



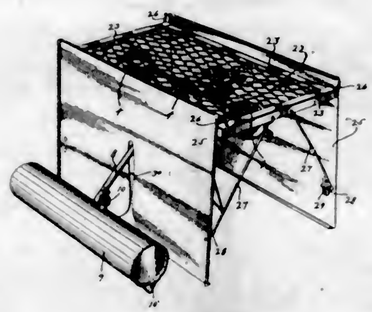
The method of constructing electrical coils which consists in rotating a core about its longitudinal axis, feeding an insulated conductive wire thereto to be wound thereon by the rotation of the core, and constantly impregnating that portion of the insulating covering which is being wrapped upon the coil with moisture-proofing material in the form of a fine spray so that only a small portion of the material is applied at one time.

1,587,156. VACUUM INSULATOR. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,455. 5 Claims. (Cl. 250—27.)



1. A device of the character described comprising an evacuated vessel composed of inner and outer coaxial cylinders of insulating material joined together at their ends, means for supporting said vessel and an electric conductor passing through said inner cylinder.

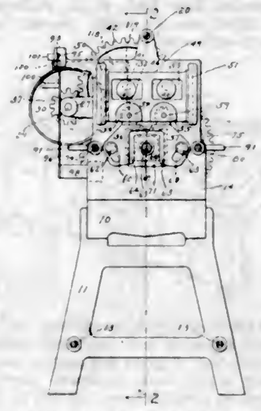
1,587,157. CAMP STOVE OUTFIT. ALLEN B. HULL, Minneapolis, Minn. Filed Oct. 27, 1924. Serial No. 746,061. 11 Claims. (Cl. 126—38.)



1. A stove of the kind described comprising a tank, a pipe extended obliquely upward from said tank, burners connected to and supported from the upper end of said oblique pipe, and a supporting leg pivotally connected with the upper portion of said pipe and provided with releasable means for maintaining said leg in supporting position relative to said pipe.

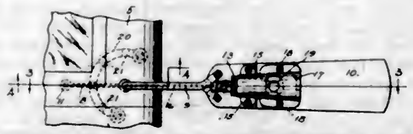
1,587,158. ELBOW-BENDING MACHINE. MORRIS HUSID, Brooklyn, N. Y. Filed Jan. 11, 1926. Serial No. 80,463. 3 Claims. (Cl. 153—69.5.)

1. In an elbow bending machine of the class described; a set of crimping punches; a combination crimping die and folding punch; a folding die; a slidable carriage; a combination of pulleys and gears for actuating said crimping punches, for reciprocating said combination crimping die and folding punch and for advancing said



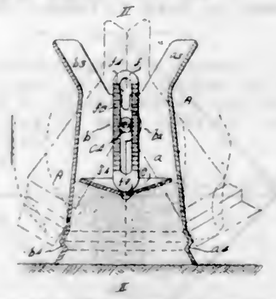
carriage in spaced successive steps; and belt shifting means for performing all of said operations in timed, successive sequence.

1,587,159. AUTOMOBILE SIGNAL. CLAYTON W. JORDAN, Lincoln, Nebr., assignor to Ralph E. Harrington, Lincoln, Nebr. Filed Aug. 24, 1925. Serial No. 51,924. 1 Claim. (Cl. 116—48.)



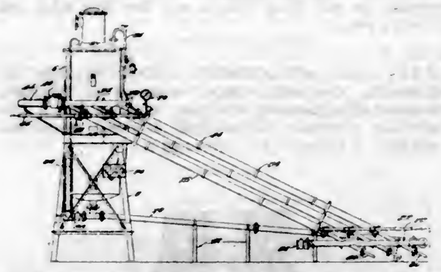
In a signaling device of the specified class, a semaphore arm having a central longitudinal slot and a horizontal axis of oscillation, an electric light bulb coaxial with the slot, and a pair of arch-like windowed reflectors, duplicates of each other, severally spanning the slot, and bolted to opposite sides of the semaphore arm.

1,587,160. INSTRUMENT FOR FORMING TEES. LEO I. KELLY, Detroit, Mich. Filed July 17, 1925. Serial No. 44,200. 4 Claims. (Cl. 273—33.)



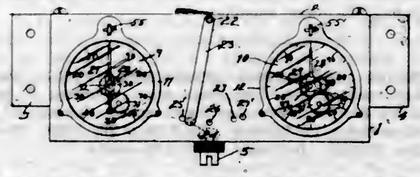
1. The combination of two parts of a mould casing, a pin *c* passing through the upper portion of said parts to pivot the same, a yoke *f* having a longitudinal slot therein, a plate *g* in said casing adapted to form the top of a tee secured to the lower end of said yoke, said pin passing through said slot so as to permit the vertical movement of said yoke, and means for securing said yoke immovably to said pin.

1,587,161. APPARATUS FOR GENERATING ETHER. FRANK E. LICHTENTHAELER, Newton Highlands, Mass. Filed Sept. 28, 1923. Serial No. 665,409. 2 Claims. (Cl. 23—252.)



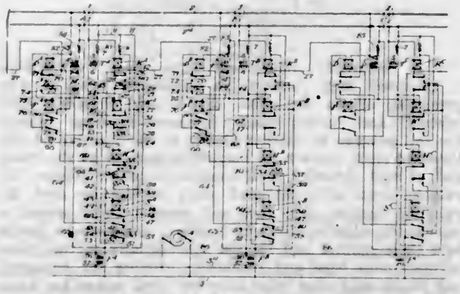
1. An apparatus for generating ether having, in combination, a reservoir for sulphuric acid, a generator tube of acid resisting material, connections from the ends of the generator tube to the top and bottom of the reservoir, a perforated pipe extending longitudinally into the generator tube for admitting alcohol within the tube, and means for externally heating the tube to cause the acid to circulate by thermosiphonic action from the bottom to the top of the reservoir through the tube and to promote the complete ether forming reactions therein.

1,587,162. MACHINE FOR MEASURING CONSECUTIVE DISTANCES. WILLIAM N. LINDBLAD, Berkeley, Calif. Filed May 7, 1923. Serial No. 637,068. 2 Claims. (Cl. 235—91.)



1. An apparatus for measuring and separately indicating consecutive distances comprising a casing having two registers therein; means to operate said registers, a pair of locking slides, either of which is adapted to lock one register out of use when the other is accumulating, and means to shift the register operating mechanism and said slides from one position to the other at will.

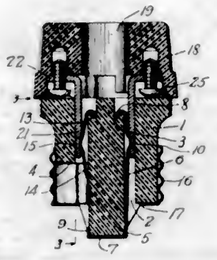
1,587,163. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 10, 1923. Serial No. 637,929. 4 Claims. (Cl. 246—34.)



4. In combination, a forward and a rear section of railway track, a track relay connected across the rails at the left hand end of said rear section, a second track

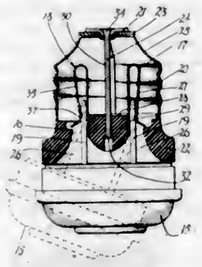
relay connected across the rails at the right hand end of said rear section, a line relay for said forward section, a stick relay for said forward section controlled in part by said line relay, and a line relay for said rear section controlled by said track relays, said first line relay and said stick relay.

1,587,164. ATTACHMENT PLUG. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1920. Serial No. 402,221. 6 Claims. (Cl. 173—343.)



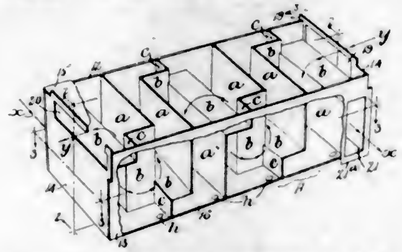
1. In an attachment plug, an insulating body having a longitudinal blade passage with shoulders at opposite ends thereof, and a metallic member having a contact portion in said recess, a hook engaging one of said shoulders at the entrance end, and a screw shell portion engaging the other shoulder.

1,587,165. SEPARABLE ATTACHMENT PLUG. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1920. Serial No. 425,327. 5 Claims. (Cl. 173—343.)



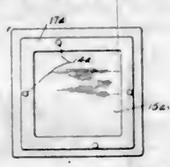
1. A separable attachment plug body, comprising a threaded shell contact, an insulating base at and extending across the outer end of said threaded shell contact, and having blade entrance openings therein for the passage of contact blades to the interior of the threaded shell contact, an insulating member at the inner end of said threaded shell contact, a center contact insulated from said threaded shell contact by said insulating member, said base and member being spaced a substantial distance from each other, and contacts inside said shell contact and located substantially in the space between said base and insulating member for engaging cap blades said plug being provided with means for holding the blade engaging contacts, shell contact and insulating member and insulating base in their proper relative position.

1,587,166. HEAT-EXCHANGE DEVICE. BENJAMIN CARL MCCLURE, Scarsdale, and LUTHER BURCHARD MCMILLAN, Larchmont, N. Y., assignors to Johns-Manville Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1922. Serial No. 578,580. 3 Claims. (Cl. 257—245.)



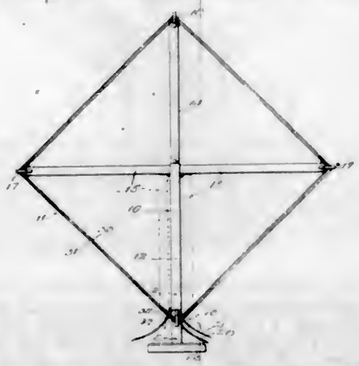
1. A heat exchange device comprising a shell, and having therein a series of unit partitions each partition comprising a plurality of parts disposed in angular relationship to each other, each successive partition being rotated a portion of circumference relative to the preceding partition, whereby a plurality of tortuous passageways separated by said partitions are provided.

1,587,167. REFRIGERATOR RECEPTACLE. JOHN E. MARSDEN, Philadelphia, Pa. Filed Feb. 11, 1925. Serial No. 8,362. 2 Claims. (Cl. 215—47.)



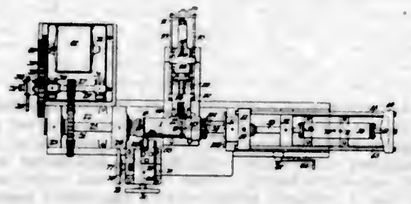
1. In storage receptacle as set forth, the combination of a body having a seat and a cover having a portion fitted loosely into said seat to prevent lateral displacement of the cover, said cover and seat being provided with mating projections and pits to afford a closely fitting seal, said projections serving when shifted from the pits to hold the cover slightly elevated for ventilation.

1,587,168. LOOP AERIAL. MARIUS MATHIESEN, Chicago, Ill., assignor to Mathiesen-Sandberg Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 13, 1925. Serial No. 22,746. 3 Claims. (Cl. 250—33.)



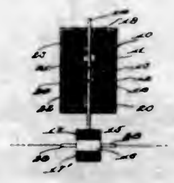
1. In a multiple loop aerial, a frame consisting of a two-piece mast, one piece arranged to telescope within the other, a pair of horizontal arms adapted to be extended in conjunction with the mast to form a cross, crossbars at the ends of the mast and the horizontal arms, each crossbar formed to hold the wire in the form of an inner helix and an outer helix, a cross-wire connecting two opposite ends of the two sets of turns, the other ends being available for connecting the device in circuit and a third connecting wire connected to the cross-wire.

1,587,169. CAN-FORMING MECHANISM. VICTOR MAUCK, Norristown, Pa. Filed Aug. 23, 1921. Serial No. 494,598. 3 Claims. (Cl. 113—52.)



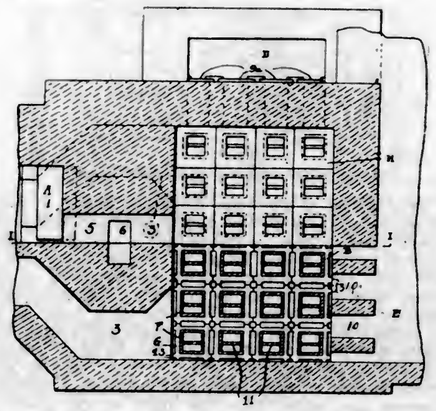
1. The combination with a base frame; of a headstock mounted on said frame; a spindle journaled in said head-stock; means arranged to rotate said spindle, including a clutch mechanism; a mandrel on said spindle adapted to hold a can bottom plate; a tail-stock on said base frame; a thrust plunger mounted to reciprocate in said tail-stock, in axial alinement with said spindle; a mandrel mounted to rotate at the inner end of said thrust plunger and arranged to engage the top of a can; a circumferential series of push rods carried with the last-named mandrel and arranged to automatically dislodge a can from said mandrel when the latter is retracted; means arranged to reciprocate said thrust plunger; a conical spinning roller mounted to rotate on an axis parallel with the common axis of said mandrels; means supported by said base frame, arranged to shift said roller, transversely to its axis, toward and away from said mandrel axis, and axially longitudinally with respect thereto, whereby the rim of said bottom plate may be spun over the bottom edge of said can; another spinning roller mounted to rotate on an axis parallel with the common axis of said mandrels, having its perimeter adapted to swage a flange ring on said can; and means, supported by said base frame, arranged to shift the last-named roller toward and away from said mandrel axis, including a thrust plunger, a retracting plunger, and tension rods connecting said plungers for simultaneous reciprocation; said plungers being adapted to be actuated by fluid pressure.

1,587,170. ELECTROMAGNET. HAROLD A. MAXFIELD, Worcester, Mass. Original application filed Mar. 16, 1922, Serial No. 544,259. Divided and this application filed June 22, 1922. Serial No. 570,191. 8 Claims. (Cl. 175—337.)



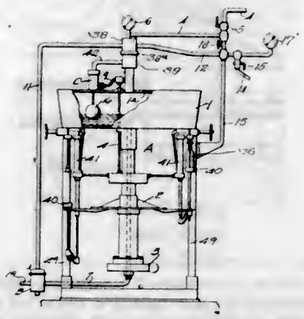
1. An electromagnet having two axially-separated and electrically-connected coils, said coils being wound and connected to create similarly-directed magnetic fields, a magnetic member interposed between said coils and constituting a part of the magnetic circuit of each, a third coil located within the field of one of said two coils and wound and connected to create a magnetic field opposing that of said two coils, and an armature located within the fields developed by all of said coils.

1,587,171. RECUPERATOR STRUCTURE FOR FURNACES. WILLIAM A. MORTON, Pittsburgh, Pa., assignor to The Amsler-Morton Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1922. Serial No. 593,195. 18 Claims. (Cl. 72—15.5.)



1. In a recuperator structure for furnaces, the combination of a plurality of vertically disposed air flues, each flue being composed of a plurality of vertically disposed flue tile in superimposed relation, and horizontally disposed flange tile interposed between adjacent alined flue tile and socketed above and below to receive the ends of the flue tile, and said flange tile being provided with integral lateral projections, the projections of adjacent flange tile being in engagement to brace the associated air flues against lateral displacement.

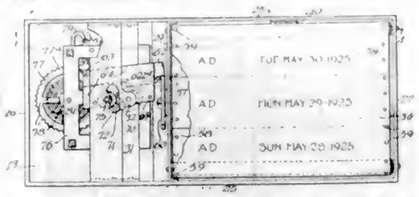
1,587,172. LIQUID-LEVEL-CONTROLLING DEVICE. FREDERICK W. MÜLLER, Hoboken, N. J. Filed Dec. 15, 1923. Serial No. 680,929. 7 Claims. (Cl. 226—118.)



1. In a bottle filling machine comprising a tank adapted to contain a liquid with which bottles are to be filled and means for maintaining a substantially uniform pressure of gas in the said tank, the combination, with said tank, of a conduit for supplying said liquid to said tank, a valve controlling said conduit, and means for operating said valve comprising a pressure operated device connected to a source of fluid

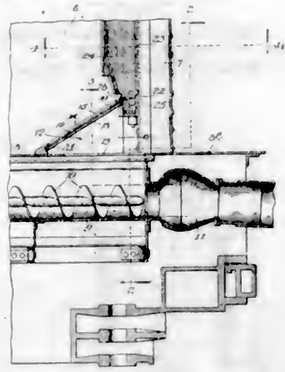
separate from said tank and a second valve in said connection, which said second valve is associated with said tank and operable by variations in the fluid level in said tank to either open said connection to said separate source of fluid or to close the said connection and reduce the pressure on said pressure operated device.

1,587,173. ADVERTISING AND CALENDAR CLOCK. TORNEY O. NALL and ERNEST J. BEAUVAIS, St. Paul, Minn. Filed Mar. 13, 1925. Serial No. 15,401. 1 Claim. (Cl. 58—6.)



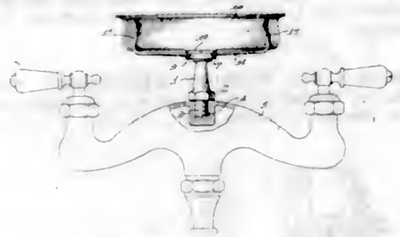
In a device of the class described, having a motor driven roller and a flexible display strip arranged to be wound upon it from another roller; a controlling roller rotated by the flexible srtip and having at one end a disc with radiating teeth spaced to correspond to the items displayed each day by the strip; two horizontally disposed levers having each one end on a pivot, so as to swing side by side in vertical planes and resting normally upon the upper edge of the disc so as to obstruct its rotation by contacting with its teeth; each of said levers having its lower edge provided with a shoulder disposed one nearer than the other to the pivot; a cam shaft having a fixed cam arranged to engage and raise said shoulders one shortly after the other, a gear fixed on the came shaft, a clock, a pinion fixed on the hour-hand arbor of the clock and meshing with said gear, said pinion being half the diameter of the gear, so as to cause the cam to act only once in twenty-four hours.

1,587,174. COAL BIN. JOSEPH H. NASH, Chicago, Ill. Filed Apr. 5, 1923. Serial No. 630,095. 11 Claims. (Cl. 83—52.)



1. In a locomotive stoker, a structure formed with a coal conveying passage having a restricted portion, a movable conveying element in said passage, a coal receptacle communicating at its lower portion with said passage, said receptacle being formed with an opening adjacent the point of communication with said passage and a movable stop member adapted to be interposed in the path of the coal so as to prevent the flow of coal toward said passage and toward said opening whereby access may be gained through said opening to said passage adjacent its restricted portion.

1,587,175. ARTICLE HOLDER. BENJAMIN NOBLE, Detroit, Mich., assignor to Capitol Brass Works, Detroit, Mich., a Corporation of Michigan. Filed Oct. 26, 1923. Serial No. 670,841. 1 Claim. (Cl. 248—20.)

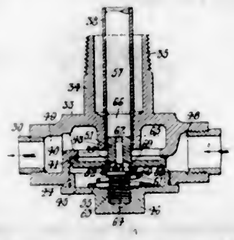


An article holder comprising sets of article engaging arms, the arms of each set being joined by curved portions, a socket member for the curved portions of said arms, and a screw extending through said socket member, said screw having a head closing said socket member and a sub-head fitting between the curved portions of said arms.

1,587,176. AUTOMATIC WATER-CONTROL VALVE. HENNING OLSEN, Los Angeles, Calif., assignor to California Refrigeration Mfg. Co., Los Angeles, Calif., a Corporation. Filed Sept. 20, 1924. Serial No. 738,957. 3 Claims. (Cl. 137—153.)

2. A control valve comprising a hollow cylindrical body, caps on each end of said body, forming therewith an upper and a lower chamber, a diaphragm positioned in each of said chambers, means connecting the upper face of the upper diaphragm to a vacuum line, a spring adapted to bear against said face, a rod extending through said body engaging both said diaphragms, a valve positioned below the lower diaphragm, the stem of said valve bearing against the lower diaphragm, and an adjustable spring bearing against the lower face of the upper diaphragm.

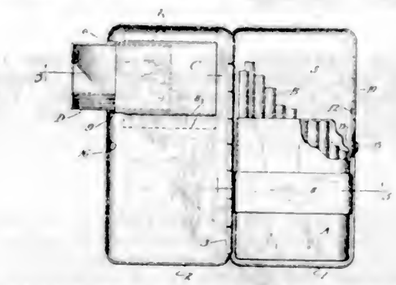
1,587,177. THERMOSTATICALLY-CONTROLLED VALVE. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Apr. 16, 1925. Serial No. 23,461. 11 Claims. (Cl. 236—102.)



1. The combination with a valve casing having a large main port and a smaller, auxiliary, bypass port independently leading from an inlet to an outlet in said casing; of two valves in coaxial relation respectively

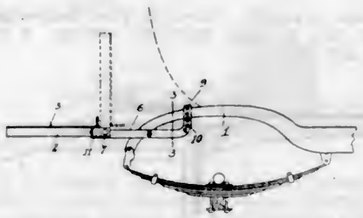
arranged to independently control said ports; said main valve having an annular seat for said auxiliary valve, and said bypass port extending through said main valve, but independently of the control of the latter; the effective area of opening of each of said valves being variable in accordance with the axial movement of said valves, but limited by the diameter of respective cylindrical surfaces, in coaxial relation with said valves; whereby the effective opening of said valves for any axial movement thereof is predetermined by the diameter of said cylindrical surfaces, independently of the axial extent of said valves; closing means continually urging said valves to close said ports; thermostatic means, including a single non-metallic rod common to both said valves, constructed and arranged to open both said valves, and permit them to be closed, by said closing means, independently of said thermostatic means, in accordance with changes in temperature; and a single metallic rectifying plunger interposed between said rod and stems and common to both of said stems.

1,587,178. CASE FOR CIGARETTES AND MATCHES IN ORIGINAL PACKAGES. JOSEPH E. PETERSON, Rockford, Ill. Filed Sept. 28, 1925. Serial No. 58,966. 2 Claims. (Cl. 206—38.)



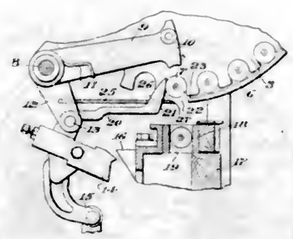
2. A pocket case divided longitudinally into two halves to form a body member and a cover member, means for securing cigarettes in an original package in one end of said case, means for securing a match box transversely of the other end of said case, said case having an opening in its side wall to permit the tray of a match box to be withdrawn through the same, said case having a depth approximately equal to the thickness of a package of cigarettes and a length at least as great as the combined length of such package and the width of the match box.

1,587,179. COMBINATION LUGGAGE CARRIER AND CAMP TABLE. GEORGE PITTER, Oakland, Calif., assignor to Eleanora Maud Pitter, Oakland, Calif. Filed Apr. 16, 1923. Serial No. 632,208. 2 Claims. (Cl. 224—29.)



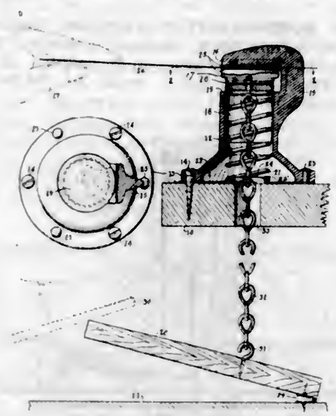
1. A luggage carrier and table comprising a frame, a plate on said frame, the end of said frame having notches cut therein, supporting arms pivoted to said frame in said notches, up-turned ends on said arms said ends having a plurality of holes therein, and a bolt adapted to extend through said holes and fasten to the automobile.

1,587,180. AUTOMATIC FILLING-REPLENISHING LOOM. GEORGE POIRRIER, Grosvenor-Dale, Conn., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 27, 1925. Serial No. 71,545. 8 Claims. (Cl. 139—251.)



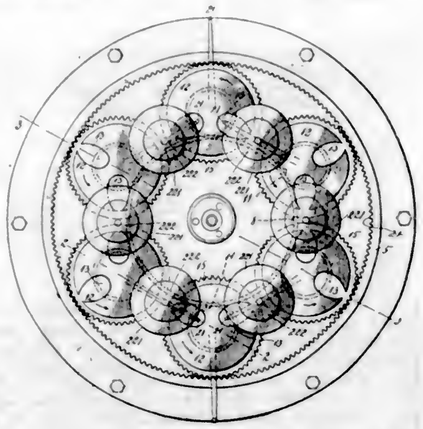
1. In a filling replenishing loom, the combination of a hopper for supporting filling carriers, a bobbin guide and abutment constituting a throat for the passage of a filling carrier during transfer, a guard mounted for sliding movement extending rearwardly from the rear surface of the bobbin guide in a direction transversely across the throat below a filling carrier when in replenishing position to prevent movement of a filling carrier through the throat, and means for connecting the sliding guard with the transferring mechanism to cause the guard to slide frontwardly from its obstructing position in the throat and permit the passage of a filling carrier on replenishment of filling.

1,587,181. MATERIAL HOLDER. GEORGE O. POMEROY, Lakewood, and ARTHUR L. SWARTZ, Cleveland, Ohio. Filed Nov. 28, 1924. Serial No. 752,729. 5 Claims. (Cl. 223—54.)



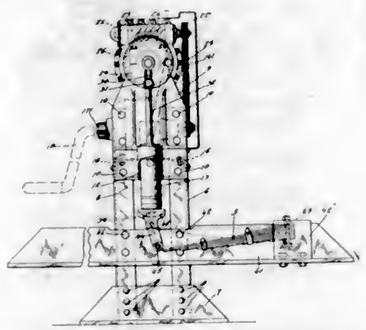
1. In a device of the class described, the combination of a housing adapted to be secured to a support and comprising a tubular portion and a bracket overhanging said tubular portion, a plunger slidable in said tubular portion and cooperating with said bracket to form jaws adapted to grip the material to be held, a spring arranged within said tubular portion and cooperating with said plunger to press the latter against said bracket, an operating lever, and means extending through said tubular portion and connecting said lever with said plunger and whereby the lever is adapted to withdraw the plunger from engagement with said bracket.

1,587,182. CORD-MAKING MACHINE. HERBERT G. PRATT, Newton, Mass., assignor to Samson Cordage Works, Boston, Mass., a Corporation of Massachusetts. Filed July 2, 1924. Serial No. 723,725. 4 Claims. (Cl. 96—4.)



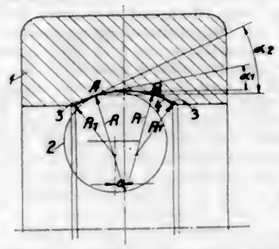
1. A braiding machine of the kind described having separate sets of strand supplies, the strand supplies of one set being located alternately with the strand supplies of the other set about a common axis, means for rotating both sets of supplies in the same direction, one of said sets having supports and being rotated as a unit and the other set comprising bobbins and fliers and means for rotating said fliers about adjacent bobbins, said supports comprising rotary disks, each having openings adapted to register with the adjacent fliers as they rotate.

1,587,183. SPRING-TESTING MACHINE. JOSEPH W. RIDGWAY, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 10, 1924. Serial No. 685,386. 11 Claims. (Cl. 74—14.)



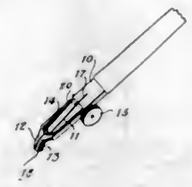
7. In a testing machine of the class described, a vertically arranged supporting frame; a rotatable plunger operating shaft supported by said frame and located adjacent the upper end thereof; means carried by said frame for driving said shaft; a hollow cylindrical guide supported by said frame and arranged below said shaft; a reciprocating plunger operated by said shaft and fitting within and guided in its movement by said guide; a series of annular spacing members; and means for securing said spacing members to the lower end of said plunger.

1,587,184. BALL BEARING. AUGUST RIEBE, Berlin-Schmockwitz, Germany. Filed Jan. 22, 1925, Serial No. 4,088, and in Germany Jan. 17, 1921. 2 Claims. (Cl. 308—193.)



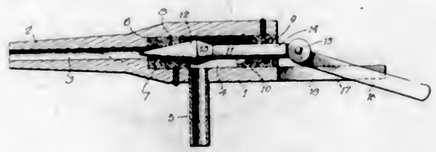
1. A ball bearing capable of a certain limited axial movement and having ball races curvilinear in cross section the curvature of the ball races being such that the tangent in the point of contact of the balls with the races in case of axial movements has a larger inclination than heretofore in said ball bearings with ball races circular in cross section.

1,587,185. LETTERING PEN. HORACE I. ROGERS, Detroit, Mich., assignor to Keuffel and Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Jan. 15, 1924. Serial No. 686,246. 1 Claim. (Cl. 120—110.)



A pen of the character described comprising a body portion having a vertically disposed slot extending inwardly from the outer end thereof and defining pen nibs, an ink holding reservoir with sloping bottom wall formed in the upper side of said nibs to provide increasing capacity toward the nib end of the pen, a thumb screw passing through said nibs intermediate the ends of said slot, the slot being formed at the rear end of the reservoir and in front of the thumb screw with an enlarged opening having continuous side walls which spaces the nibs apart a distance sufficient to prevent the ink in the reservoir from reaching the said screw.

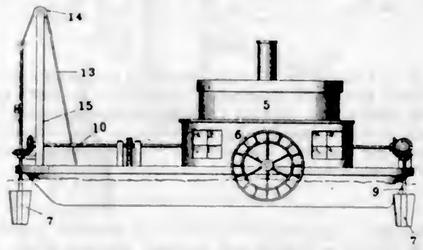
1,587,186. FAUCET. JAMES E. SAFF, Bainbridge, Ga. Filed Mar. 5, 1924. Serial No. 697,004. 2 Claims. (Cl. 251—41.)



1. The faucet comprising the casing having a longitudinally extending passage-way for liquid and an enlarged chamber at the inner end of said passageway forming a shoulder at the intersection of the passage-way and chamber and a liquid discharge tube leading from the enlarged chamber, gaskets positioned in the enlarged chamber at opposite ends thereof, and closely

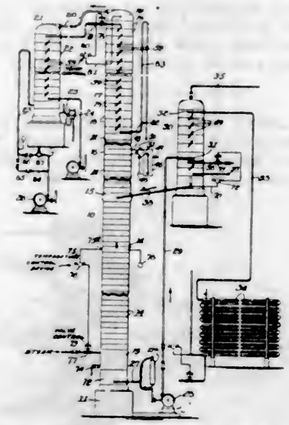
fitting the walls of the chamber, one of the gaskets being seated against the shoulder at the end of the chamber, each gasket having an internal tapering valve seat, the enlarged portions of the seats facing each other, a valve stem passing through and supported by one of the gaskets and provided at one end with a valve externally tapered at its front and rear for seating in the tapered seat of the gasket toward which it moves in the opening and closing of the valve.

1,587,187. STREAM-CONTROL APPARATUS. JACOB A. SCHMUTTE, Corning, Mo. Filed Nov. 11, 1922. Serial No. 600,447. 4 Claims. (Cl. 37—77.)



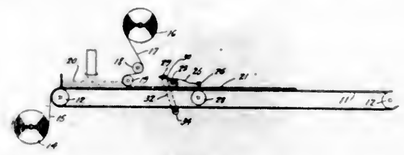
1. In a device of the class described, the combination with a vessel of an agitator carried thereby and rotatable on a substantially vertical axis, said agitator being positioned adjacent to the side of the vessel and being provided with curved blades tapering downwardly to concentrate the current produced.

1,587,188. ART OF DISTILLATION. JOSEPH SCHNEIBLE, Chicago, Ill.; Beatrice Schneible-Ingram, administratrix of said Joseph Schneible, deceased, assignor to Claude D. Schneible, K. F. Schrerer, and Benjamin B. Schneider, as trustees under the name of The Schneible Trust. Filed Dec. 7, 1920. Serial No. 433,376. 29 Claims. (Cl. 195—15.)



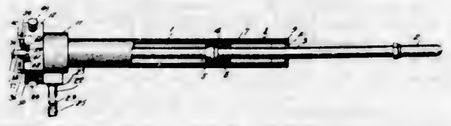
1. In a distilling apparatus, a unitary column construction comprising superposed heating, distilling and reflux condensing sections, means for supplying a heating medium to the heater section, means for supplying a cooling medium to the reflux condensing section, means for regulating the supply of heating medium to the heater section by means of temperature indications in the distilling section, and means for regulating the supply of cooling medium to the reflux condensing section by the temperature of the vapors issuing therefrom.

1,587,189. MEANS FOR MAKING LATH BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,289. 3 Claims. (Cl. 154—1.)



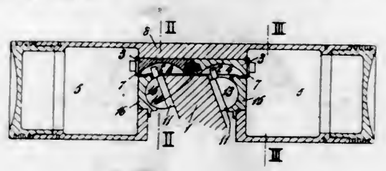
1. A machine for forming plaster lath or the like, comprising means for continuously advancing covering sheets and introducing a plastic body therebetween to form green board, an endless conveyor to receive the formed board, an anvil roller beneath the upper bight of said conveyor, and hammers positioned above said conveyor and anvil to strike said board so as to penetrate the same and express plastic material to form pockets.

1,587,190. CONTOURING TRACER. JOHN C. SHAW, Brooklyn, N. Y., assignor to Keller Mechanical Engineering Corp., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 4, 1922. Serial No. 604,923. 17 Claims. (Cl. 90—62.)



2. In a contouring tracer, the combination of a tracer, for following the contour to be reproduced, and means controlled by the position and movements of said tracer for determining the amount and direction of feed of the cutter in one or more of four rectangular directions.

1,587,191. SLIPPER GUIDE FOR CRANKLESS ENGINES. THOMAS LOUIS SHERMAN, Caulfield, Victoria, Australia, assignor to Crankless Engines Limited, Melbourne, Australia. Filed Apr. 27, 1925, Serial No. 26,316, and in Australia July 8, 1924. 6 Claims. (Cl. 74—14.)

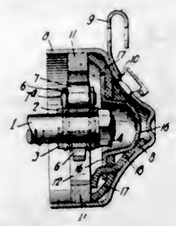


1. In crankless engines of the type set forth, a slant, a piston element, a slipper articulated to said element and making lubricated working contact with the slant, a yoke extension on said piston element, a slipper guide element rotatable in said member about an axis parallel to the longitudinal axis of the piston, a longitudinal slot in said member, and an extension on said slipper slidably engaging said slot.

1,587,192. LUBRICATING DEVICE. ERNEST SIEGEL, New York, N. Y. Filed Feb. 4, 1926. Serial No. 85,911. 10 Claims. (Cl. 200—19.)

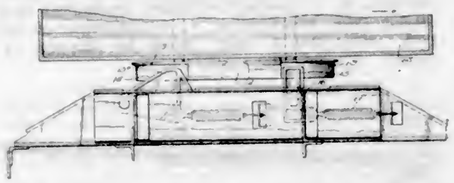
4. A lubricating device for a timer for ignition systems comprising an insertable and removable partition member

for the timer casing for forming an oil-receiving chamber therein, a wick carried by the partition member for conveying oil from the oil chamber beyond the partition



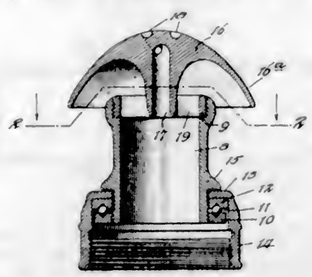
members to the timer parts, and means for removably retaining the partition member and thereby the wick in place in the timer casing.

1,587,193. CAR HOLD DOWN. GEORGE N. SIMPSON, Chicago, Ill. Filed Feb. 23, 1926. Serial No. 89,923. 10 Claims. (Cl. 214—55.)



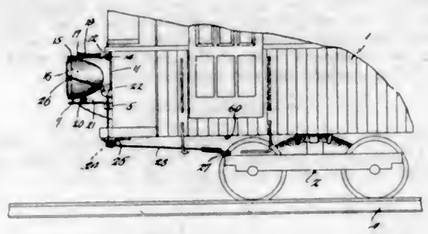
1. In combination with a car dumping structure provided with rails adapted to carry a car thereon, means for holding a car on the rails during a dumping operation of the structure, said means including a dog on the structure lying above a wheel of the car when in position on the structure, said dog being positively held against vertical movement and yieldingly held against movement in a substantially horizontal plane to permit parts on the car to pass during movement of the car on the rails.

1,587,194. SELF-PROPELLING HOSE NOZZLE. SIDNEY C. SLADDEN, Freeport, N. Y. Filed July 23, 1925. Serial No. 45,498. 3 Claims. (Cl. 137—70.)



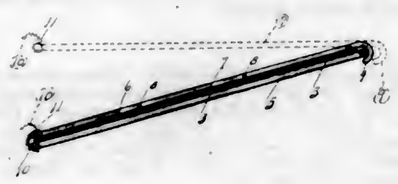
1. A nozzle as characterized comprising a neck portion of ascertained diameter, a head having an open cup like under surface for expulsion of water rearwardly therefrom when delivered by said neck thereto, a spout centrally located on said head and extending into said neck, the walls of said spout initiating the water in the curved path to be followed in contact with said head, said head having forward delivery passages communicating with said spout, and head supporting means formed on the inner end of said spout for detachable connection with said neck.

1,587,195. HEADLIGHT. ARTHUR B. SMITH, Denison, Tex. Filed Oct. 6, 1925. Serial No. 60,884. 4 Claims. (Cl. 240—62.)



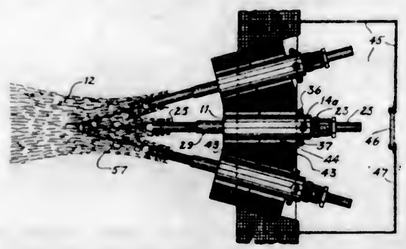
1. In a device of the class described, a vehicle, a lower support detachably mounted on the vehicle, an upper support mounted for vertical swinging movement on the vehicle, a lamp journaled on the supports, and means for imparting swinging movement to the lamp when the vehicle rounds a curve.

1,587,196. QUICKLY-DETACHABLE SCREEN. LEWIS E. SOLDAN and GEORGE W. BEHNKE, Gladwin, Mich., assignors to Simplicity Engineering Company, a Corporation to be formed with offices at Durand, Mich. Filed June 6, 1923. Serial No. 643,649. 3 Claims. (Cl. 209—405.)



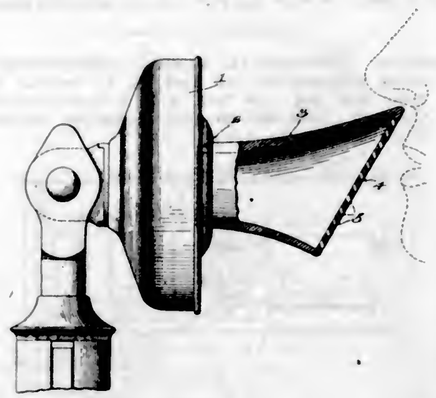
1. A quickly detachable screen comprising a frame having a screen therein, the upper end of said frame being bent to form hooks, and a pair of pivoted spring tensioned clamps secured to the lower end thereof.

1,587,197. JOINT WORKING OF FLAMES AND ARCS AND APPARATUS THEREFOR. GEORGE THOMPSON SOUTHGATE, Anniston, Ala. Filed May 7, 1924. Serial No. 711,615. 18 Claims. (Cl. 204—64.)



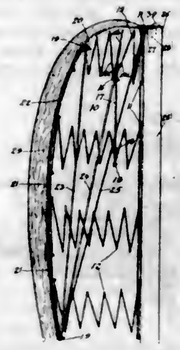
1. In heating by a combustion flame and an electric arc superposed on and extending longitudinally of the flame, the process which consists in establishing the stream of flame and the arc from independent sources, and in directing the arc to and along the flame stream by a gaseous blast which is passed over the arcing portion of the electrode.

1,587,198. SANITARY MOUTHPIECE FOR TELEPHONES. IRWIN A. SPAULDING and HARRY H. HEAGLE, Manitowoc, Wis. Filed Sept. 17, 1923. Serial No. 663,154. 2 Claims. (Cl. 179—185.)



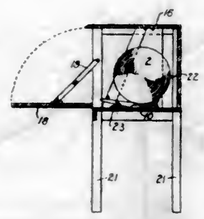
1. A sanitary mouthpiece for telephones comprising a body portion screw threaded at its inner end, the outer end thereof being provided with a perforated wall, the openings through said wall extending upwardly and in parallel relation one with the other.

1,587,199. SEAT BACK. WILLIAM F. STOUFFER and BRAZIL E. LAMBERT, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,510. 10 Claims. (Cl. 155—181.)



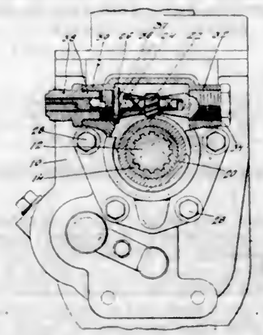
1. In combination, a seat back, springs secured to said back, the springs along the upper edge of said back being coiled, means for securing together a plurality of intermediate coils at the lower portion of each of said coiled springs, a spring connecting member to which said means are secured, a spring positioning member, means for securing the outer ends of the springs at the top and bottom of said back to said positioning member, a plurality of sets of radius rods secured to the lower portion of said positioning member, the upper ends of the rods of said sets being connected to the members that connect the top, bottom and intermediate portions respectively of said upper springs.

1,587,200. RECORD CABINET. WILLIAM CHARLES SUTCLIFFE, Sydney, New South Wales, Australia. Filed Apr. 2, 1924, Serial No. 703,804, and in Australia Apr. 18, 1923. 4 Claims. (Cl. 211—16.)



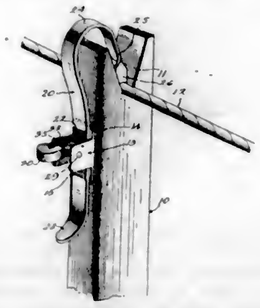
1. A receptacle for disc records of talking machines comprising a series of compartments arranged side by side an abutment near the forward end of each compartment, the bottom of each compartment also serving as an abutment, a series of tilting levers mounted in said compartments each adapted to carry a disc record thereon, said levers having two pivotal points one of which is disposed rearwardly of the other, the said rearward pivotal point of each lever being adapted to contact with the abutment constituted by the bottom of the compartment when a disc record is positioned thereon and within the corresponding compartment and to serve as a pivot for partial depression of the forward end of said levers, and the other pivotal point being adapted to contact with the forward abutment when the forward end of the lever is further depressed to enable gravity displacement from said compartment of the separate record carried therein on said lever.

1,587,201. INSTRUMENT DRIVE. PERRY L. TENNEY, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 23, 1924. Serial No. 721,785. 3 Claims. (Cl. 74—7.)



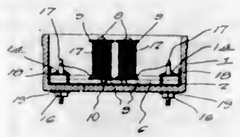
1. A gear housing for attachment to a vehicle transmission casing, the housing having an opening for the passage of the propeller shaft therethrough and having two aligned openings, the axial line of the openings being transverse to the axis of the propeller shaft, a plug in one opening, a tubular bushing in the other opening, the bushing having a flange engaging a flat surface on the inner wall of the housing, a driven shaft extending through the tubular bushing, its end journaled in the plug, cooperating gearing elements on the shafts, the plug and bushing having internal projections positioning the gear element on the driven shaft.

1,587,202. ROPE CLAMP. LEWIS R. TOMPKINS, Atlantic City, N. J., assignor of one-half to George H. Shea, Quarryville, Pa. Filed May 20, 1925. Serial No. 31,640. 1 Claim. (Cl. 68—12.)



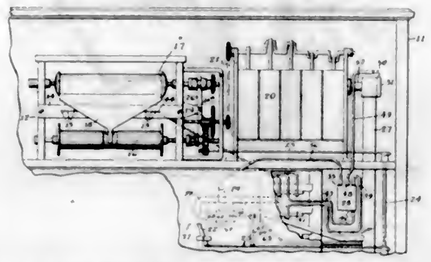
A device of the character described comprising a substantially U-shaped bracket arranged to one side of a clothes line prop near the top thereof, the arms of said bracket projecting outwardly horizontally from the prop, the base of said bracket being elongated vertically and secured against the prop, a vertically movable rope clamping member having a flat elongated portion arranged between the arms of said bracket with its inner face in contact with the base thereof, the outer face of said member being provided with teeth, a latch arranged between the arms of said bracket and inclined downwardly toward said clamping member with its inner end normally engaging said teeth, a pivot pin connected between the arms of said bracket and passing through said latch near its inner end, and a substantially V-shaped spring arranged above said latch with its ends secured to the arms of said bracket, the central portion of said spring contacting with said latch outwardly of said pivot pin for normally depressing the outer end of said latch.

1,587,203. WATCHCASE TYPE RECEIVER. DANA W. WELLS, Dansville, N. Y. Filed June 25, 1925. Serial No. 39,526. 1 Claim. (Cl. 179—119.)



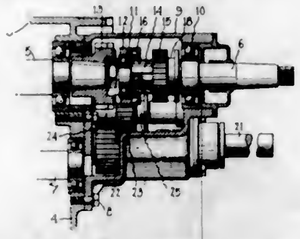
A watch case type radio receiver, comprising a metallic case, a substantially ring-shaped magnet having the ends terminating in predetermined space relation, said magnet fitting within said case, a pair of pole pieces of angular form having one end of each secured to the end portion of the magnet and extending radially inward, the opposite ends being arranged in spaced parallel relation in the central portion of the magnet, spool end disks mounted on the pole pieces at opposite ends of the parallel portions, said pole pieces being formed with struck out portions for retaining the end disk in position, a maximum number of wire coil convolutions mounted directly on each pole piece between the end disks and within a predetermined zone around said pole pieces, one end of each wire being electrically connected with the pole piece, an annular disk of insulating material forming with lateral projecting portions at spaced intervals on the periphery mounted in the bottom of the metallic case and insulating the pole pieces and magnet from the case, and assembling means insulated from the case extending through the ends of the magnet, the pole pieces, insulating disk and the case for rigidly mounting the several parts together, said means being insulated from the magnet and pole pieces, the ends of the coils being electrically connected thereto and the pole pieces and magnet providing both the magnetic circuit and the electrical circuit between the wire coils on each pole piece.

1,587,204. MECHANICAL MUSICAL INSTRUMENT. GRANT WHITEHOUSE, New York, N. Y., assignor to Weser Bros., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 603,908. 20 Claims. (Cl. 84—122.)



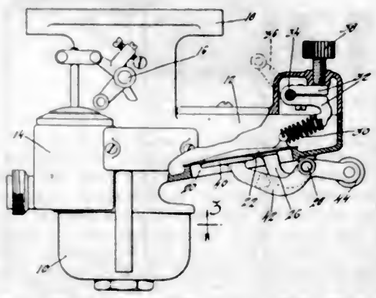
1. In a mechanical musical instrument controlled by a perforated music-sheet and tracker-bar, a music-sheet winding device, a pneumatic motor to actuate same, a source of exhaust pressure to operate said motor, a tracker-bar having air-ducts therein controlling separate action pneumatics, and a valve held open by said exhaust pressure during the forward travel of the sheet to close and stop the motor after the rewind, said valve being actuated when the music-sheet uncovers a sufficient number of said air-ducts upon leaving the tracker-bar to equalize the exhaust pressure through said action pneumatics.

1,587,205. POWER TAKE-OFF DEVICE FOR MOTOR VEHICLES. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 18, 1919. Serial No. 338,856. 2 Claims. (Cl. 74—7.)



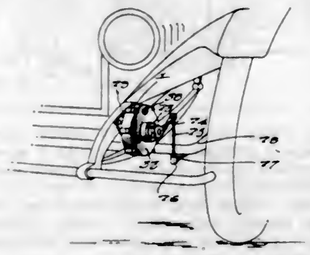
1. In a power take-off device of the class described and in combination with a transmission gear casing having an end wall, and a driving shaft extending from said casing and through which the driving axle of a motor driven vehicle may be driven; a housing secured to the end wall of said casing and through which said driving shaft extends, a rotatable power shaft supported in bearings carried by said housing and extending substantially parallel with said driving shaft; a pinion carried by and rotatable with said driving shaft; a gear carried by and rotating with said power shaft; an idle gear located within said housing and movable into and out of mesh with said pinion and gear; and means for moving said idler gear into and out of mesh with the pinion and gear aforesaid, to thereby operatively connect said driving shaft with and to disconnect the same from said power shaft.

1,587,206. CARBURETOR. CHARLES E. WILLIAMS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 29, 1924. Serial No. 740,480. 4 Claims. (Cl. 277—45.)



4. A carburetor comprising, in combination, a chamber having an auxiliary air inlet passage, and a non-fluttering auxiliary air valve controlling said passage and consisting of a valve member movable to open or close or restrict the opening and which is formed with a port therethrough, and a counter-weighted swinging cooperating member normally moving with the valve member and closing the port but which can open outwardly in case of back-firing or in case of fluttering.

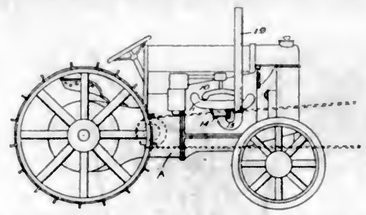
1,587,207. SHOCK ABSORBER. ERNEST W. ACKERMAN and GRIFFITH C. NICHOLSON, Monroe, Mich. Filed June 25, 1925. Serial No. 39,081. 6 Claims. (Cl. 188—89.)



1. A shock absorber comprising a casing having an annular piston channel, said channel being bridged by an abutment, said abutment dividing the channel into separate compartments, a piston slidably mounted in said channel and movable toward and from said abutment, said abutment being provided with a valved passage, and said piston being provided with a valved passage, and operating means for the piston.

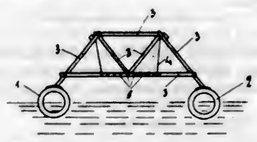
1,587,208. EXHAUST-MANIFOLD ATTACHMENT. FLOYD A. BARRETT, Dallas Center, Iowa. Filed Feb. 18, 1922. Serial No. 537,648. 1 Claim. (Cl. 137—75.)

In a device of the class described, for carrying gases from an exhaust manifold of an engine, a U-shaped tubular member having an external bead near one end, a horizontal plate formed on the other end having an opening therein arranged to register with an opening in the exhaust manifold and having bolt holes on opposite sides of said first opening, said U-shaped member being inclined downwardly from the plate and then upwardly to extend upwardly adjacent to but not in a vertical plane through said first opening parallel to the engine on which the device is mounted, the portion of said U-



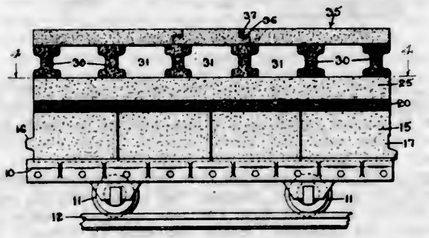
shaped member between said bead and the end nearest said bead being substantially straight and vertical and designed to have received thereon, the exhaust pipe of said engine.

1,587,209. COLLAPSIBLE WATER VEHICLE. JOSEF BAUER, Starnberg, near Munich, Germany. Filed June 2, 1925, Serial No. 34,492, and in Germany Nov. 10, 1924. 1 Claim. (Cl. 9—2.)



A collapsible boat comprising in combination two floatable bodies each composed of several elements adapted to be telescoped the one into the other, a collapsible frame for securing said floatable bodies in the position of use, and a bag suspended in said frame the floatable bodies serving when the boat is collapsed for storing all the other elements of the boat.

1,587,210. TUNNEL-KILN CAR. MILTON F. BEECHER and ANTON E. OLSON, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 4, 1924. Serial No. 717,864. 9 Claims. (Cl. 25—142.)

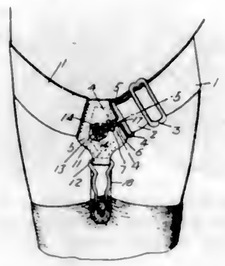


1. A car for tunnel kilns comprising a supporting framework mounted on wheels and a super-structure thereon having a layer of refractory blocks so constructed and arranged that they may expand under the influence of heat and upon cooling will pull each other back to their original positions.

1,587,211. GARTER. ROBERT HOWARD BIGGS, St. Catharines, Ontario, Canada. Filed June 29, 1925. Serial No. 40,405. 2 Claims. (Cl. 241—6.)

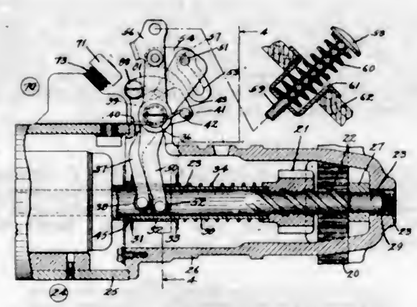
1. In a garter, the combination with a non-elastic divided band, a cast off secured to one end of the band and provided with a longitudinally extending metallic loop opened at one end and closed at the opposite end,

a cross piece slidable upon the arms of the loop, a spiral spring coiled around the arms of the loop and the closed end thereof, against the ends of which the cross piece bears, a headed steam carried by the op-



posite end of the band and adapted to enter the open end of the loop to bear against the cross piece to compress the spring towards the closed end of the loop, and means for detachably connecting the band to the sock of the wearer.

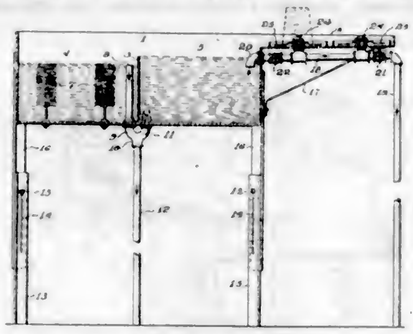
1,587,212. ENGINE-STARTING APPARATUS. ZERBE C. BRADFORD, Dayton, Ohio, assignor to Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed July 28, 1924. Serial No. 728,588. 8 Claims. (Cl. 74—7.)



1. Engine starting apparatus comprising, in combination a motor; connections between the motor and engine to be started including a pinion adapted to mesh with an engine gear, and means whereby, when the pinion has been meshed with the gear, the pinion may be moved by motor operation into full driving engagement with the gear, and whereby the pinion will be automatically demeshed from the gear when the engine becomes self operative; means including an actuator for manually moving the pinion into mesh with the gear; a motor switch operated by the actuator; and means positively operated by the motor for disconnecting the actuator from the pinion.

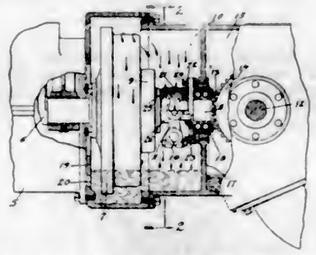
1,587,213. DEVICE FOR WASHING AND STERILIZING GLASSES AND CUPS. AUGUSTIN E. BROWN, Jacksonville, Fla. Filed Jan. 21, 1924. Serial No. 687,549. 2 Claims. (Cl. 15—76.)

1. A cleansing and sterilizing device of the character described, comprising a tank formed of a single piece of metal having an upwardly and outwardly extended integral drain board extension, a partition secured therein intermediate its ends and terminating below the top to form a washing tank and a rinse tank, means for rigidly securing a plurality of brushes to the bottom of the washing tank, an overflow pipe secured to the bottom of



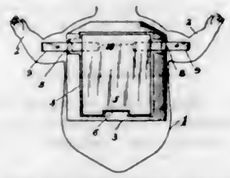
said washing tank, a drain outlet at the bottom of the rinse tank, and a hot water supply pipe connected with the rinse tank beneath said extension.

1,587,214. OIL SHIELD FOR MOTOR-VEHICLE-POWER PLANTS. CHARLES F. S. BYRNE, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 18, 1922. Serial No. 588,897. 2 Claims. (Cl. 184—13.)



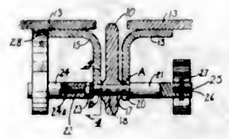
2. In a casing structure of the class described, a clutch chamber adapted to contain oil; a transmission gearing chamber separated from said clutch chamber by a transverse partition; a bearing carried by said partition; and a hollow open bottom shield located within said clutch chamber and secured to said partition along an oil tight joint, and extending over said bearing to thereby prevent access of oil thereto.

1,587,215. DOLL AND THE LIKE. AARON COHN, Toronto, Ontario, Canada. Filed May 1, 1925. Serial No. 27,203. 8 Claims. (Cl. 46—40.)



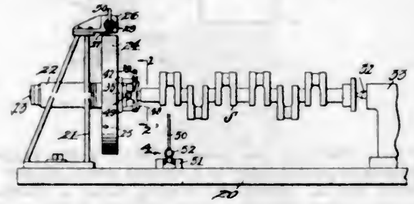
3. In a doll or the like, arms constructed and arranged for movement to and away from each other, an inwardly yieldable plate mounted in the front of the body, actuators rigidly extending from the arms into the path of said plate, springs urging said arms and plate to their normal positions, a sound producing device, and a spacer interposed between the same and said plate.

1,587,216. AUTOMATIC SEAT RAISER. JOHN W. COLLINS, Fort Dodge, Iowa. Filed Sept. 21, 1925. Serial No. 57,566. 3 Claims. (Cl. 155—86.)



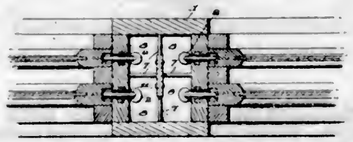
1. In a device of the class described, the combination of a plurality of seat supports, seats pivoted to said supports, the pivot means comprising a bolt received in each support non-rotatably, brackets mounted on said bolts at opposite sides of each seat support, an enlarged extension on one end of each bolt, a reduced screw-threaded extension at the other end of each bolt, a nut on each screw-threaded extension for holding the bolt in the support, a member screwed onto each said screw-threaded extension for holding the bolt in the support, each said enlarged extension and each said last-described member having a slot in its end, flat springs having their ends received in said slots and being coiled around the member and extension having the slots and secured to the seats.

1,587,217. CRANK-SHAFT INDEXING MACHINE. MARK H. DAMERELL, Worcester, Mass., assignor to Wyman-Gordon Company, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1924. Serial No. 749,549. 9 Claims. (Cl. 33—148.)



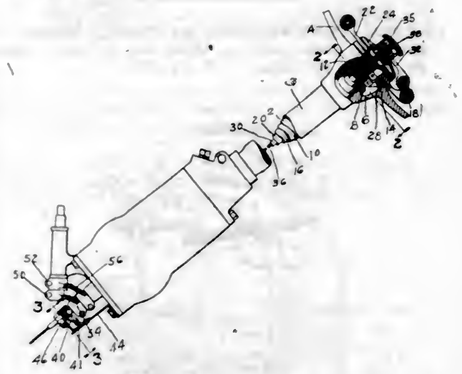
1. A crank shaft indexing machine comprising a flat finished bed, means to support and rotate a crank shaft having a plurality of crank pins about an axis parallel to said crank shaft and to hold said shaft in different positions, and an indicating device having a base slidable on said bed and movable to cause said device to co-operate with any selected crank pin, said device having indicating means thereon to indicate the height of the center of each crank pin above the bed.

1,587,218. GUIDE FOR SASH WEIGHTS. WILLIAM E. DE CAMP, Macomb, Ill. Filed Jan. 13, 1925. Serial No. 2,218. 3 Claims. (Cl. 20—11.)



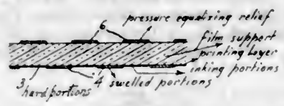
1. A sash weight guide comprising a pair of plates having interfitting slots, the plates being arranged at right angles to each other to provide a plurality of guide wings defining in assembly completely enclosed individual compartments for the sash weights, and means for holding the plates in operative position.

1,587,219. STEERING GEAR ASSEMBLY. HARRY M. DENYES, Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 6, 1925. Serial No. 67,370. 11 Claims. (Cl. 74—39.)



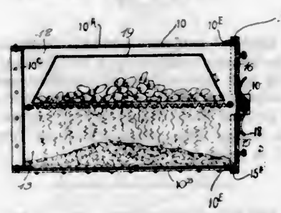
1. The combination of a hollow steering shaft, a steering wheel secured to said shaft and having a hollow hub, a stationary support nested within said shaft and a means extending outwardly from said support and engaging the interior of said hub for centering the member therein.

1,587,220. PHOTOCOLLOGRAPHIC PRINTING PLATE AND METHOD OF MAKING THE SAME. MARIANO DE' SPERATI, Turin, Italy, assignor to Argentographica (U. S. A.) Limited, London, England. Filed June 4, 1923, Serial No. 643,435, and in Italy Jan. 19, 1923. 6 Claims. (Cl. 95—5.6.)



1. A method of producing plates for photocollographic printing, comprising the steps of forming, on one face of a flexible support, a printing surface whereon the image consists of dry portions capable of taking greasy ink and swelled portions which repel such ink; and forming, on the opposite face, a relief image complemental to the image on the printing surface, the depressed portions of said relief image registering with the swelled portions of the printing surface, and the relief portions registering with the dry portions of the surface.

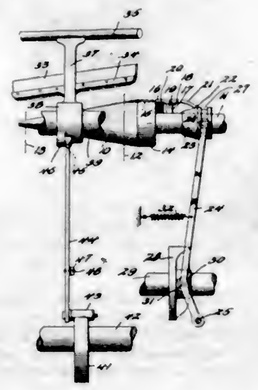
1,527,221. ASH SIFTER. FRANK ECKSTEIN and LOUIS ECKSTEIN, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 518. 5 Claims. (Cl. 209—249.)



1. An ash sifter embodying a casing comprising a tubular body of a single piece of material, a flanged end fixed within one end of said body for closing said end, a screen supported in said body extending longitudinally

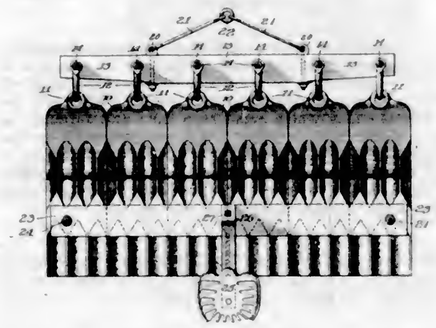
thereof, a pair of supports on said body extending beyond the open end thereof, a hinge rod supported on said supports on the plane of said screen, and a pair of doors hingedly mounted on said rod for closing the open end of said body.

1,587,222. CONE-WINDING MANDREL. HOWARD A. EDWARDS, Cedartown, Ga. Filed Feb. 3, 1925. Serial No. 6,636. 10 Claims. (Cl. 93—79.)



1. In a device for winding paper tubes, in combination, a mandrel longer than a finished tube and means thereon for gripping a blank to be formed into a tube beyond the trimming line of said tube.

1,587,223. SOIL PULVERIZER. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed June 6, 1925. Serial No. 35,428. 5 Claims. (Cl. 55—22.)



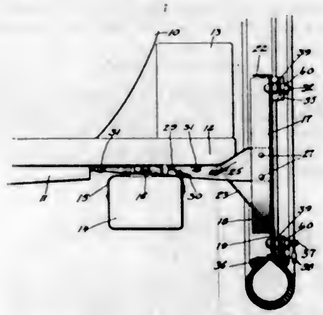
1. A cast integral soil pulverizing and packing element adapted to be dragged comprising a body which is adapted to lie on the soil, one end being inclined and provided with draft attaching means, the under surface having a plurality of parallel longitudinal ribs of concavely arcuate cross-section having thin edges which cut into the soil and cause it to pack in ridges.

1,587,224. SPRING RETAINER. HARRY MAWSON FUNNELL, Dunellen, N. J. Filed Feb. 9, 1925. Serial No. 7,975. 4 Claims. (Cl. 287—53.)

3. A spring retainer for an encased universal joint comprising a joint member formed with an oval flange thereon, a retainer ring provided with a flange on its periphery and a central opening adapted to slip over

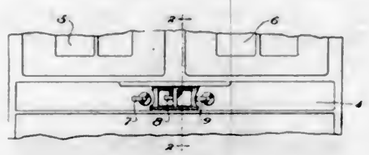
the oval flange on the joint member, said ring provided with flanges adapted to straddle the oval flange at its small diameter.

1,587,225. TIRE CARRIER. ALBERT G. GEISTERT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 18, 1922. Serial No. 588,888. 4 Claims. (Cl. 224—29.)



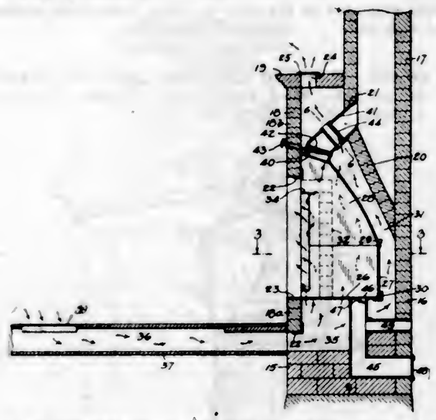
2. In a device of the class described, a tire support substantially semi-circular in form and which support is provided with an outwardly extending flange, a combined brace and lamp support secured to said flange at the ends of said tire support, rim supporting studs carried by said flange, and means for securing said support to a motor vehicle.

1,587,226. GAS-COCK-LOCKING DEVICE FOR GAS RANGES. ARTHUR F. GLAESSNER, Meriden, Conn., assignor of one-half to The Union Stove Works, New York, N. Y., a Corporation of New York. Filed Feb. 3, 1925. Serial No. 6,635. 2 Claims. (Cl. 126—42.)



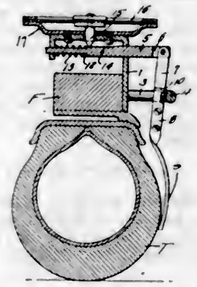
1. The combination with the gas range having a pair of gas cocks thereon, and a horizontal ledge overhanging the pair of gas cocks, of a guide fixed to the underside of said ledge and formed with a longitudinal slot, and a sliding plate having studs riding in said slot and extended outward and downward over the handles of the gas cocks into the turning paths of the same so as to cover and lock either cock against turning while uncovering and unlocking the other cock.

1,587,227. FIREPLACE. WILLIAM HALLBERG, Los Angeles, Calif. Filed May 2, 1925. Serial No. 27,608. 6 Claims. (Cl. 126—121.)



5. In combination, a fireplace, a firebox in the fireplace, and means by which currents of air are directed inwardly of the firebox from the fireplace to prevent an indraft of air inwardly of the firebox from the front of the fireplace.

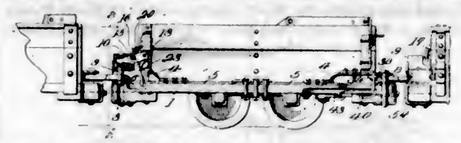
1,587,228. FLAT-TIRE SIGNAL. OTTO H. HELFRICK, Elkhart, Ind., assignor of one-half to Harlie O. Putt, Elkhart, Ind. Filed July 25, 1925. Serial No. 46,152. 4 Claims. (Cl. 116—34.)



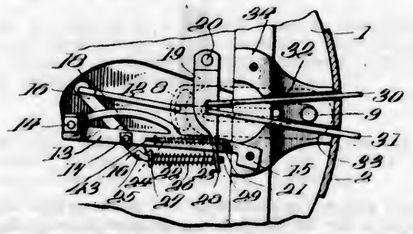
3. The combination of a bracket adapted to be attached to the rim of an automobile wheel, a plunger slidably mounted in the bracket, said plunger having a toothed portion, a spring normally holding the plunger in an outermost position, a disk-supporting member, a thin metal disk mounted on the disk-supporting member, a pointed stud affixed to the disk and positioned to flexibly engage the toothed portion of the plunger when the latter is operated, to cause an audible alarm signal, a flexible spring operatively attached to the plunger, an arm attached to the flexible spring and having the lower portion bent to contact with the side of the tire when the latter becomes deflated, and a guide element with which the arm may contact to function as a fulcrum for the arm.

1,587,229. COUPLING DEVICE FOR RAILWAY DRAFT CARS. FRANK W. HENRIKSON, Mulberry, Kans. Filed Aug. 2, 1923. Serial No. 655,297. 8 Claims. (Cl. 213—188.)

1. In a device of the class described, a drawhead adapted to receive the link of another car, a pin adapted to be shifted through such link, a member to shift said pin out of engagement with such link, a dog pivoted on said member and extending into the path of such link, said drawhead having means to support said dog and thereby said lever and link in shifted position, and a device to move said dog into and maintain it in supported relation with said drawhead means until operated by the link of another car during coupling.



1,587,230. COUPLING DEVICE FOR CARS. FRANK W. HENRIKSON, Mulberry, Kans. Filed Nov. 12, 1923. Serial No. 674,315. 6 Claims. (Cl. 213—188.)

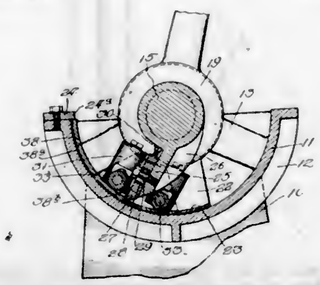


1. A coupler for mine cars and the like comprising a support, a coupling link shiftably mounted on said support whereby said link may be withdrawn within the support or projected beyond the support for coupling another car thereto, devices connected to said link and projecting beyond the bumper of the car when said link is withdrawn, said devices including yielding means whereby both the projecting devices and the link may be moved into said support at the same time.

1,587,231. ALLOY. CHARLES W. HEPPENSTALL, Pittsburgh, Pa., assignor to Heppenstall Forge & Knife Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 7, 1925. Serial No. 13,857. 2 Claims. (Cl. 75—1.)

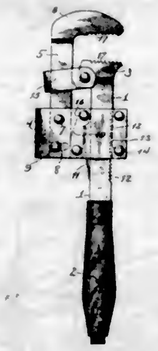
1. An alloy for the purposes described comprising from 1.50% to 2.25% of carbon; from 3.50% to 6% of chrome, and from 0.50% to 2% of tungsten, and the principal part of the remainder being iron together with manganese, silicon, phosphorus and sulphur within the limits now employed in commercial steel.

1,587,232. ART OF MANUFACTURING CURVED PRINTING PLATES. HARRY G. HOFF, Chicago, Ill., assignor to Chicago Electrotype and Stereotype Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 11, 1925. Serial No. 55,730. 8 Claims. (Cl. 101—401.2.)



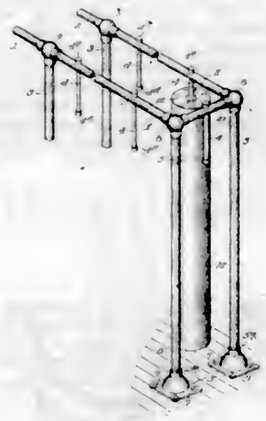
1. The method of curving printing plates which consists in bending the plate somewhat beyond the desired ultimate curvature and shaving a portion off of the back thereof.

1,587,233. WRENCH. DANIEL B. HOLLOMAN, Fort Payne, Ala., assignor of one-fourth to W. Y. Shugart and one-fourth to R. E. Davis, both of Fort Payne, Ala. Filed July 29, 1924. Serial No. 728,910. 1 Claim. (Cl. 81—106.)



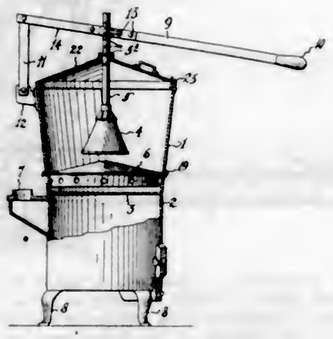
In a wrench, the combination of a relatively fixed shank having a jaw at one end, a yoke spanning said shank, means carried by the yoke and cooperating with the shank to secure the yoke in a set position, a second shank having a jaw at one end to cooperate with the jaw on the first-mentioned shank, said second shank having a transverse slot in its end remote from its jaw and being pivoted between its jaw and its slotted end within the yoke, and a stop pin carried by the yoke and passing through the transverse slot in the second shank, said slot being concentric with the pivot.

1,587,234. ROLL SUPPORTING AND DISPLAY RACK. ALFRED E. HOLMES, Chicago, Ill., assignor to Alexander H. Revell & Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1924. Serial No. 696,537. 2 Claims. (Cl. 211—18.)



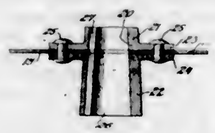
1. A rack of the character set forth, comprising a substantially horizontal bar provided with spaced vertical guide-perforations, standards supporting said bar and equipped with base-plates adapted to be secured to a floor, and short roll-engaging pins freely slidable vertically through said guide-perforations and adapted to depend into the upper end of a roll standing upon the floor, the space between said horizontal bar and the floor being unobstructed, whereby rolls may have their lower ends supported on the floor and their upper ends engaged by said pins.

1,587,235. WASHING MACHINE. JOHN W. JACKSON, Dallas, Tex. Filed Aug. 7, 1925. Serial No. 48,742. 1 Claim. (Cl. 68—30.)



In a washing machine in combination, a boiler having an internal groove extending about the inner surface and near the lower end thereof, a substantially cone-shaped spacing element arranged within the boiler near the lower end and provided with an opening at its apex and having a peripheral depending flange also provided with spaced openings, a series of laterally and radially extending lugs integral with and projecting at spaced intervals from the periphery of the cone-shaped element and engageable with the groove so as to rigidly yet removably support the element in spaced relation to the bottom of the boiler, and the spaces between the lugs and adjacent the grooves constituting passageways for allowing free circulation of liquid.

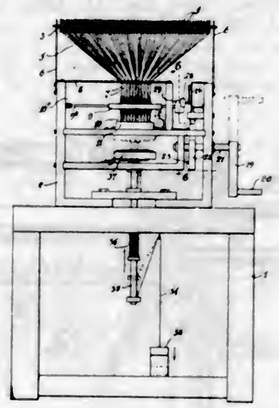
1,587,236. STEERING WHEEL. KAUFMAN T. KELLER, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 1, 1922. Serial No. 585,711. 2 Claims. (Cl. 74—33.)



1. In a device of the class described, a rim, sheet metal spokes secured thereto, an upper hub section comprising a flange and a boss, a lower hub section comprising a flange and a boss, and means for clamping said spokes between said flanges.

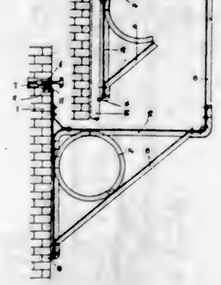
1,587,237. MACHINE FOR MAKING CHECK PROTECTORS. CHARLES C. MCCOMBS, Sherman, Tex., assignor of one-third to W. R. Duffey, Fort Worth, Tex., and one-third to John D. Killough, Stephenville, Tex. Filed Apr. 20, 1925. Serial No. 24,431. 5 Claims. (Cl. 140—71.)

1. In a machine of the class described, a base, a frame, shearing plates in the frame, said plates provided with perforations in the form of figures and symbols, means for directing wires through said plates to project the



wires into trays and means for actuating the plates to sever the wires into pins and to secure the pins rigidly in place in said trays.

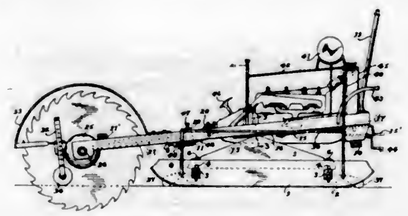
1,587,238. MOVABLE BRACKET FOR FLYING SCAFFOLDING. ALFONSO MINZONI, Bologna, Italy. Filed Feb. 2, 1925, Serial No. 6,386, and in Italy July 16, 1924. 3 Claims. (Cl. 304—33.)



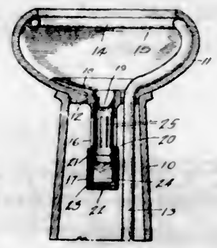
1. In a scaffold, the combination with a wall anchor having expanding members for gripping within a recess in a wall, and a screw means for expanding said members, of means associated with said anchor to permit the suspension of a supporting bracket independent of said screw means, whereby the expanding means of the anchor may be adjusted while the bracket is supported thereby.

1,587,239. ICE-SAWING MACHINE. ANSON HENRY OLIVER, Orillia, Ontario, Canada. Filed Sept. 2, 1924, Serial No. 735,381, and in Canada Sept. 2, 1924. 3 Claims. (Cl. 262—20.)

1. An ice sawing machine, comprising a wooden sled having metal-shod runners, a frame adjustably and pivotally mounted on inverted V-shaped wooden blocks, arranged lengthwise of said sled and at an angle to the runners thereof, said blocks being bolted to the front beam of the sled and adjustably secured to the rear beam, a gas engine supported on said frame in an inclined position to adapt it to assume a substantially horizontal position, when the machine is in operation, a circular saw carried by a mandrel which is journalled in the end of said frame and a transmission shaft, adapted to operate in an inclined position, connected to the engine through an universal joint.

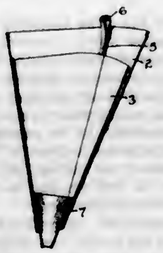


1,587,240. DENTAL CUSPIDOR TRAP. ORVILLE B. OLSON, Webster City, Iowa. Filed Oct. 11, 1923. Serial No. 667,861. 2 Claims. (Cl. 209—201.)



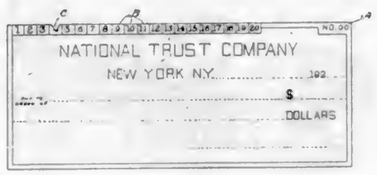
1. In combination with a dental cuspidor having an outlet opening in the bottom thereof, a precious metal trap unit comprising a tubular portion having a flange around the upper edge thereof for resting on the bottom of the cuspidor, a mercury cup arranged below and abutting against said tubular portion and a casing for said cup designed to coact with the lower end of said tubular portion for retaining said cup thereagainst.

1,587,241. CAKE DECORATOR. CHARLOTTE ROSENALT, Toledo, Ohio. Filed Sept. 23, 1925. Serial No. 58,475. 6 Claims. (Cl. 107—52.)



1. A cake decorator comprising a bag, and a liner permanently connected to said bag whereby the liner may be folded inside of said bag, said liner and bag having nozzle openings adapted to register when in folded position.

1,587,242. CHECK OR SIMILAR INSTRUMENT. VINCENT P. RUMELY, Detroit, Mich. Filed July 26, 1923. Serial No. 653,932. 5 Claims. (Cl. 283—58.)



2. A check book or the like, including a plurality of checks bearing consecutive serial numbers, each of said checks also bearing a series of identifying characters which are the same on all the checks, and all of said checks having the same identifying character identified by a distinguishing designation.

1,587,243. BEET HARVESTER. WILLIAM V. SEIFERT, Denver, Colo. Filed June 8, 1925. Serial No. 35,562. 18 Claims. (Cl. 55—108.)

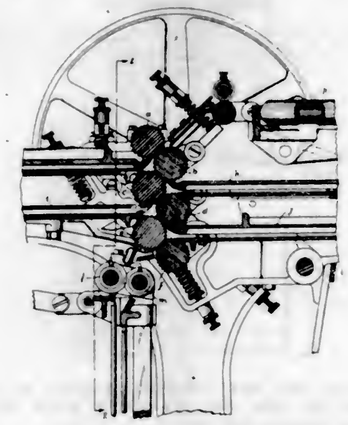
1. A beet harvester comprising a framework and two endless belts or cables mounted thereon in cooperative relation and having portions twisted together.

4. A beet harvester comprising a framework, ground wheels supporting the framework, to endless flexible members supported to travel on the framework in proximity and having twisted portions and means for imparting travel to the said members from the ground wheels of the machine.

9. A machine of the class described comprising a framework, endless flexible devices mounted to travel thereon and having portions of their lengths connected in twisted relation to form a conveyor member, a spiral guide surrounding a portion of said conveyor member, a knife cooperating with the spiral guide for topping the beets, and a spiral blade mounted to be engaged by the conveyor member, said blade being located in the rear of the topping knife to loosen the foliage and prevent resistance to the separation of the flexible devices at the rear extremity of the conveyor member.

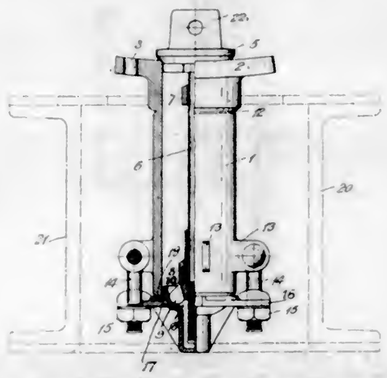
16. A beet harvester comprising a frame, ground wheels supporting the frame, two endless belts having portions of their runs connected in twisted relation, upper and lower drums mounted on the frame and engaged by the said belts, the lower drums having depending supports, tension devices acting on said supports, and an operative connection between the ground wheels and the upper set of drums for driving the belts.

1,587,244. PAPER-FOLDING MACHINE. JOHN H. SHIPLEY, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,159. 7 Claims. (Cl. 270—68.)



3. In a paper-folding machine, the combination with a folding plate and its coacting rolls, of means positioned within the machine in advance thereof for imparting a predetermined set longitudinally of the edge of the sheet, substantially as set forth.

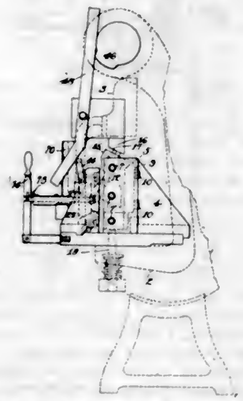
1,587,245. OUTLET VALVE FOR TANK CARS. ABRAM E. SMITH, New York, N. Y. Filed Jan. 15, 1923. Serial No. 612,594. 5 Claims. (Cl. 137—21.)



5. In a discharge device for tanks, the combination of a valve, a seat for said valve, a stem for said valve, means cooperating with the stem for holding the valve on the seat, and closure means independent of the holding means adapted to be placed in position only when said means for holding the valve seated is in holding position.

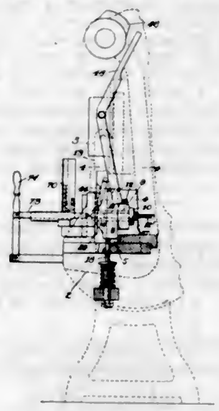
1,587,246. NUT-CASTELLATING MACHINE. OSCAR A. SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 14, 1921. Serial No. 507,661. 21 Claims. (Cl. 10—72.)

5. In a nut castellating machine, the combination of a blank carrier adapted to carry a blank to be castellated with its axis in a horizontal position, a vertically movable punch supporting means, a punch extending lengthwise in a vertical plane and located at an angle inclined to the horizontal axis of the blank to have substantially only the cutting portion of the lower end of the punch enter the blank, and means for delivering a blow to the punch at its opposite upper end thereby to move the punch in the direction of its length, whereby the force of the blow is transmitted lengthwise of the punch from its upper to its lower end.



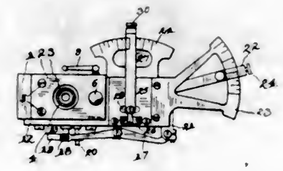
17. In a machine of the class described, the combination of a rotatable nut blank die having an axial bore and a plurality of radial slots communicating with said bore and deeper at their ends adjacent to said bore than at their opposite ends, means for supporting and indexing said die, and a punch for castellating the nuts carried by said die and operative from the inside of the nut outward toward said slots.

1,587,247. NUT-CASTELLATING MACHINE FOR SMALL NUTS. OSCAR A. SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 14, 1921. Serial No. 507,662. 18 Claims. (Cl. 10—72.)



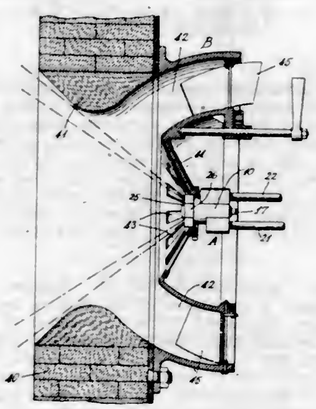
12. In a nut castellating machine, the combination of a nut blank supporting means, means for indexing the blank, a punch supporting means comprising a hollow member and a vertically movable slide therefor, means for engaging said slide for forcing the punch into engagement with the blank thereby to castellate it, means for adjustably positioning the punch within the hollow member, and means for adjustably positioning the vertically movable slide.

1,587,248. MICROTOME. HERBERT W. SPENCE, Toronto, Ontario, Canada. Filed July 20, 1925. Serial No. 44,853. 16 Claims. (Cl. 88—40.)



1. In a microtome, the combination of a base; a work holder supporting member mounted on said base by means of a ball and socket joint; and a member for rocking said supporting member, said members also being connected by means of a ball and socket joint.

1,587,249. METHOD OF AND APPARATUS FOR BURNING OIL. FLETCHER COLEMAN STARR, Philadelphia, Pa., assignor to Kingsley L. Martin, Montclair, N. J. Filed Oct. 23, 1922. Serial No. 596,275. 9 Claims. (Cl. 158—73.)

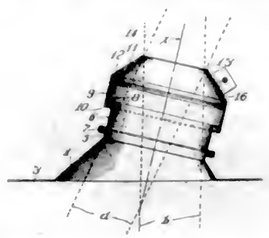


8. Apparatus for burning liquid fuel, which comprises means for maintaining a body of gaseous medium under pressure with the fuel in a finely divided condition in suspension therein, means providing a discharge orifice formed by a seies of separate closely spaced circularly arranged openings for discharging the mixture of gaseous medium and fuel in a multiplicity of circularly arranged outwardly directed jets which combine to form a spray in the form of a thin walled hollow cone, and means for causing air to flow against the outer side of the spray cone.

1,587,250. ROOF FLASHING. ROBERT J. STEPHENSON, Chicago, Ill. Filed Dec. 26, 1925. Serial No. 77,846. 15 Claims. (Cl. 285—31.)

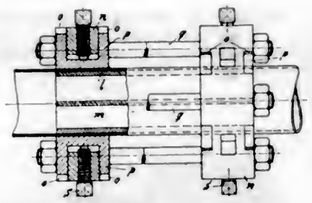
1. A roof flashing comprising a base in the form of a flat metal plate, having a sleeve extending from one

face thereof, and an inwardly projecting soft metal collar at the free end of the sleeve for snugly engaging a pipe,



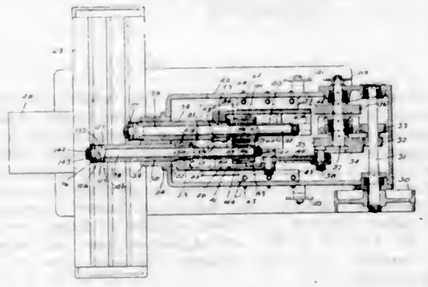
the sleeve comprising interlocked telescoping cylindrical sections of substantially greater diameter than the pipe.

1,587,251. INTERCHANGEABLE PIPE FLANGE. FRANZ XAVER STREICHER, Hamburg, Germany. Filed Nov. 18, 1924, Serial No. 750,696. and in Germany Mar. 28, 1924. 1 Claim. (Cl. 285—152.)



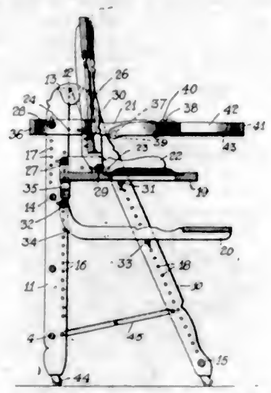
An interchangeable pipe flange consisting of a tubular connecting piece to be inserted into the pipe, a rib-cross strengthening said tubular connecting piece, a flange of said tubular connecting piece having radial guide grooves, clamping jaws in said guide grooves, a spring ring having recesses for said clamping jaws, tightening screws for tightening said clamping jaws, and screws in the flange of said tubular connecting piece for connecting said spring ring with said tubular connecting piece.

1,587,252. SHAPING MACHINE. EVERARD STUBBS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Feb. 28, 1920. Serial No. 361,951. 29 Claims. (Cl. 90—40.)



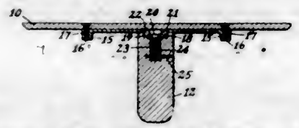
1. A surface shaping machine having a disk like cutter, with means for reciprocating said cutter lengthwise of its axis, and rotating it about its axis, whereby the portion of the cutting edge in action is changed, and the heat generated in the cutting action is dissipated, and a work holder movable transversely to the axis of said cutter.

1,587,253. HIGH CHAIR. JOHN P. TARBOX, Garden City, N. Y. Filed Jan. 15, 1924. Serial No. 686,292. 18 Claims. (Cl. 155—88.)



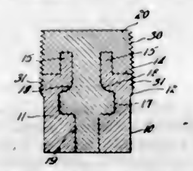
1. In a chair, the combination, of front and rear legs foldably connected together, to jointly provide, when unfolded, a seat support, a seat carried by and foldable with respect to said support, and an arm rest vertically adjustable independently of the seat and likewise foldable in any of its several positions of adjustment with respect to said support.

1,587,254. PLASTERER'S HAWK. JOHN TASEFF, Los Angeles, Calif. Filed Sept. 21, 1925. Serial No. 57,625. 1 Claim. (Cl. 72—135.)



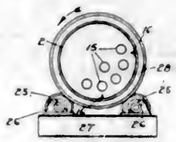
A plasterer's hawk comprising a metal frame having two spaced parallel bars connected by a cross-plate in the general form of the letter H, a boss formed on the under side of said cross plate at its center, said cross-plate and boss having a recess and an aperture adapted to receive a bolt head, a bolt having its head seated in said boss so that its threaded end projects from the center thereof, a handle, an internally screw threaded sleeve fixed in the end of said handle adjacent said frame, said sleeve being adapted to engage said bolt to hold said handle detachably secured to said frame, and a wooden receiving plate detachably fastened to the upper side of said frame.

1,587,255. COMPOSITE-METAL PLUG. HERMAN B. THURSTON, Cleveland Heights, Ohio, assignor to The Talmage Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 17, 1923. Serial No. 663,273. 4 Claims. (Cl. 220—39.)



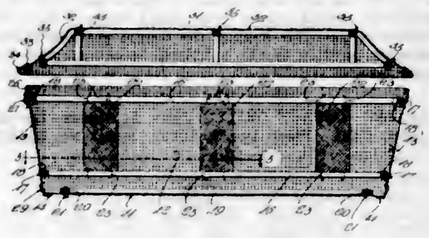
1. In a composite metal plug, the combination of a head having an internal cavity, a tongue projecting longitudinally of the head at the side of the cavity, and a threaded member having a central portion extending into the cavity in the head, said threaded member embracing the tongue of the head.

1,587,256. ROTARY OIL-SHALE RETORT. JULIUS H. TOUPET and VANTON O. FOULK, Pittsburgh, Pa.; said Toupet assignor to said Foulk. Filed Apr. 9, 1924. Serial No. 705,220. 3 Claims. (Cl. 202—15.)



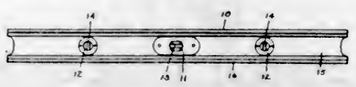
1. A rotary oil shale retort consisting of a horizontally arranged rotatable drum, opposite stationary closing heads therefor having sealed connection with the rotatable drum, a series of heating tubes extending longitudinally through the rotatable drum and through the closing heads at each end and comprising a bank located along one lower side portion of the interior of the drum with the inner tubes thereof arranged in an upwardly and outwardly sloping plane, means for introducing raw material to one end of the drum and for withdrawing refuse from its other end, means for circulating heating gases through the tubes, and means for rotating the drum.

1,587,257. REENFORCING STRUCTURE FOR MOLDED CASKETS. FRANK VAN ALSTINE, San Diego, Calif. Filed Sept. 21, 1925. Serial No. 57,702. 9 Claims. (Cl. 27—7.)



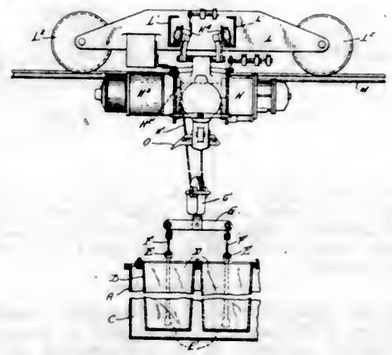
1. A reenforcing structure for a molded casket, comprising a bottom, side and end walls formed of reticulate metal, upper and lower longitudinal and transverse wooden strips secured to the inner sides of said side and end walls near the upper and lower edges thereof, providing for tacking the casket lining in place, and vertical strips of reticulate metal extending between the upper and lower longitudinal strips of wood and secured thereto, said metal strips being inwardly spaced from the aforesaid side walls and constituting effective means to which to anchor the casket handles.

1,587,258. STOCK FOR SPIRIT LEVELS. PAUL H. VOGEL, New Britain, Conn. Filed Oct. 10, 1923. Serial No. 667,638. 1 Claim. (Cl. 33—211.)



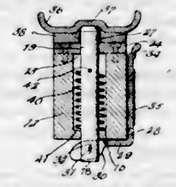
A stock for a level having an I-beam form of cross-section, comprising a web in the form of a piece of sheet metal and flange-structures extending along the opposite border edges of said web and being made of cast aluminum, anchorage means being provided in the form of perforations distributed along said edges and filled with cast material integral with said flange-structures, said web having a set of openings for indicating glasses, and the material for said web being brass.

1,587,259. HOISTING. ROY J. WADD, Montour Falls, N. Y., and EDWARD G. PARVIN, Roselle, N. J., assignors to Shepard Electric Crane & Hoist Company, Montour Falls, N. Y., a Corporation of New York. Filed May 14, 1924. Serial No. 713,164. 2 Claims. (Cl. 214—152.)



1. The method of removing blocks of ice from stationary cans in which they are formed, which consists in connecting one or more ice blocks, while each is still frozen to the can in which it is formed, to a hoisting mechanism operated by an electric motor adapted to be held stationary without injury to itself throughout the period required for the ice blocks to thaw loose from the cans, while energized to exert a hoist lifting force exceeding the weight of the attached block or blocks of ice but insufficient to impress an undue stress on the ice, and so energizing said motor.

1,587,260. FASTENING DEVICE FOR DEMOUNTABLE RIMS. CALVIN J. WHITE, Marshalltown, Iowa. Filed Mar. 9, 1923. Serial No. 623,851. 1 Claim. (Cl. 301—28.)

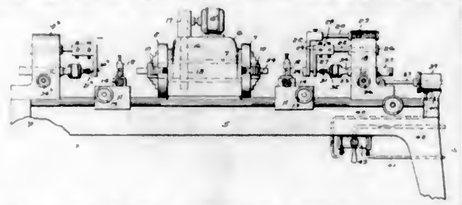


A vehicle wheel, a demountable rim therefor, a series of locking devices for the rim, each of said locking devices embodying a casing carried by the wheel adjacent the periphery thereof, a bolt slidable in the casing and through the periphery of the wheel to engage the rim for securing the latter, said bolt being adapted to be retracted to unfasten the rim, a spring housed within the casing and tending normally to move the bolt in one direction, a cam device pivotally connected with one end of the bolt and operable upon the wall of the casing for moving the bolt in a direction in opposition to the stress of the spring, said cam device being disposed within the confines of the planes of the upright walls of the casing, a lever connected with the said cam device, said lever being foldable substantially flat against a lateral face of said casing, and a projection on the face of the casing adjacent the edge of the lever for protecting the lever when the latter stands adjacent the face of the casing.

1,587,261. LATHE. JAY C. WHITE, New Castle, Pa. Filed Sept. 28, 1925. Serial No. 59,095. 8 Claims. (Cl. 29—27.)

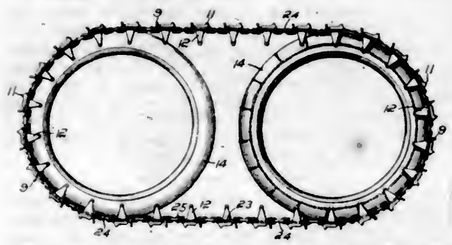
1. A machine of the character described comprising a supporting frame, a head carried thereby, a tubular

member mounted in said head for rotation, means for rotating said member, chucks carried by said tubular member on opposite sides of the head, said chucks being adapted to grip rough forgings, a power driven drill at each side of the head, means for advancing said drill



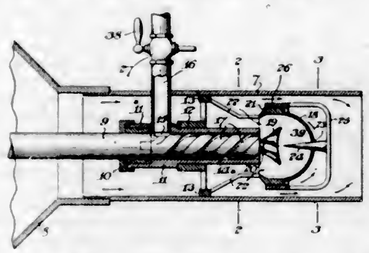
towards the chucks, a pneumatic cylinder, a slidable stock, and a work engaging element carried by said stock adapted to engage the work and force it into said tubular element when said stock is moved by the pneumatic cylinder.

1,587,262. TRACTION-BELT MECHANISM. VIRGIL D. WHITE, West Ossipee, N. H., assignor to Snowmobile Company, Rochester, N. H., a Corporation of New Hampshire. Filed Sept. 9, 1924. Serial No. 736,672. 10 Claims. (Cl. 305—10.)



7. In a traction belt structure, the combination of a belt, a series of tread-pieces carried by said belt, and a series of yokes carried by said belt and adapted to embrace a wheel, each yoke comprising a channel bar having a depression and the associated tread-piece having a depression, the depression of one being received in the depression of the other, and a portion of the associated tread-piece being received in the channel of said bar.

1,587,263. OIL BURNER. JOHN A. WILLNERS, Philadelphia, Pa., assignor, by mesne assignments, to Bayard Manufacturing Corporation, Wilmington, Del., a Corporation of Delaware. Filed May 13, 1921. Serial No. 469,105. 6 Claims. (Cl. 158—77.)

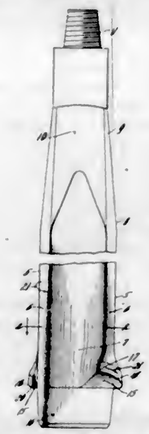


2. In an oil burner, the combination of a rotating shaft provided with an elongated helical channel, a sleeve surrounding said shaft, an oil supply pipe delivering to said channel at right angles to the axis of the rotating shaft, means forming a chamber at the discharge end of the sleeve of diameter greater than that of the sleeve, said chamber provided with a centrally disposed discharge vent, a diffusing element secured to the end of the rotating shaft outside the sleeve and within the chamber, and means delivering a current of air around the end of said sleeve into said chamber.

1,587,264. STOCKING AND METHOD OF MAKING SAME. EDWARD C. WILSON, Oak Park, Ill., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Aug. 26, 1922, Serial No. 584,496. Renewed May 10, 1924. 8 Claims. (Cl. 66.)

1. A circular knit or seamless stocking having a knitted reinforcement above the heel whose maximum lateral extent sufficiently approaches one-half the circumference of the stocking to constitute a high splice area composed of the main or body yarn and a continuous, non-severed reinforcing yarn knitted in with the main yarn from edge to edge of such reinforcing area, and also floated intact against the inner face of the stocking from and between said edges of the high splice area, and having means structurally distinct from the reinforcing yarn for holding the floated portions thereof intact in position in the completed stocking against its inner face.

1,587,265. IMPACT DRILL. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Aug. 9, 1922. Serial No. 580,645. 7 Claims. (Cl. 255—63.)

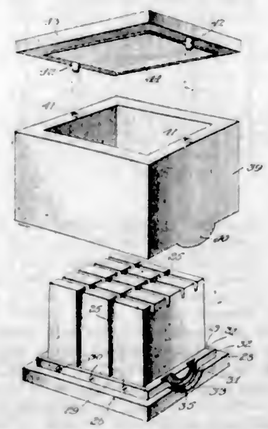


1. An impact drill adapted to rotate during its impact stroke and having a shank provided with flutes on opposite sides thereof and a transverse cutting blade between the flutes and extending downwardly from the shank, the lower surface of the shank forming opposed impact surfaces on opposite sides of the blade and the blade being diagonally disposed relative to the disposition of the flutes so that approximately the entire area of each impact surface is positioned to one side of the adjacent flute, each impact surface being extended rearwardly relative to the direction of rotation and angled upwardly from the base of the blade.

1,587,266. MEANS FOR FORMING A WELL BORE. JOHN A. ZUBLIN, Los Angeles, Calif. Filed Nov. 14, 1922. Serial No. 600,840. 1 Claim. (Cl. 255—73.)

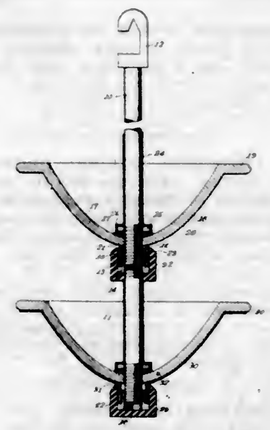
In a one-piece bit of the class described, the combination of: a shank having means whereby said bit may be secured to a drill column; a diametrical fish-tail blade integral with and depending from said shank, the lower end of said fish-tail blade being prepared for cutting; and an offset under-reaming blade formed integrally with said fish-tail blade and extending laterally from one edge of said fish-tail blade and in alignment therewith so as to cut in the same diametrical plane as said fish-tail blade.

1,587,267. ART OF MANUFACTURING CONTAINERS. JOHN M. AHLGREN, Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill., a Corporation of Illinois. Original application filed Apr. 28, 1922, Serial No. 557,131. Divided and this application filed Mar. 24, 1923. Serial No. 627,425. 1 Claim. (Cl. 18—56.)



The method of manufacturing receptacles, which consists in heating the vulcanizable material from which the receptacle is to be formed, positioning the material in heated condition in a mold, subjecting the heated material, in relatively soft condition, to pressure to fill the mold cavity, and thereafter vulcanizing the material.

1,587,268. METHOD OF FORMING ELECTROPLATED ARTICLES AND APPARATUS THEREFOR. BLASIUS BART, East Orange, N. J. Filed June 6, 1925. Serial No. 35,274. 28 Claims. (Cl. 204—6.)



1. In the art of coating a surface of a mold with a layer of metal electrolytically deposited, the method which consists in placing an electric conductor in contact with the mold, exposing said mold and conductor to the electrolyte forming the bath, and stopping off the deposit on the conductor except at the localized area of contact between the mold and conductor.

1,587,269. SYNTHETIC RESINS, PHOTOGRAPHIC PROCESS, AND MEDIA. MURRAY C. BEEBE, ALEXANDER MURRAY, and HAROLD V. HERLINGER, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation. Filed Nov. 18, 1922. Serial No. 601,827. 42 Claims. (Cl. 95—7.)

1. The process which comprises photographically forming an image, design or character which embodies a resinous product of a five-membered mono-heterocyclic compound.

1,587,270. CONDENSATION PHOTOGRAPHIC PROCESS, MEDIA, AND PROCESS OF PREPARING SAME. MURRAY C. BEEBE, ALEXANDER MURRAY, and HAROLD V. HERLINGER, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 24, 1922. Serial No. 603,115. 19 Claims. (Cl. 95—7.)

1. The method of preparing a photographic medium which comprises incorporating with a phenolic condensation product a suitable sensitizer.

1,587,271. NATURAL-RESIN PHOTOGRAPHIC MEDIUM AND PROCESS. MURRAY C. BEEBE and ALEXANDER MURRAY, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 27, 1922. Serial No. 603,713. 19 Claims. (Cl. 95—7.)

1. An asphaltum photographic process, consisting in combining a selected asphaltum with a colloidal halide, subjecting the same to a luminous image, and in subsequently developing the print by means of a suitable solvent to remove variable soluble parts of the impressed image.

1,587,272. SYNTHETIC RESINS, PHOTOGRAPHIC PROCESS, PHOTOGRAPHIC MEDIA, AND METHOD OF PREPARING SAME. MURRAY C. BEEBE, ALEXANDER MURRAY, and HAROLD V. HERLINGER, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 19, 1923. Serial No. 613,795. 37 Claims. (Cl. 95—7.)

29. A photographic medium comprising a synthetic resin compound capable of being condensed under the action of light, and a sensitizing agent incorporated therewith adapted to accelerate the action of light under photographic action.

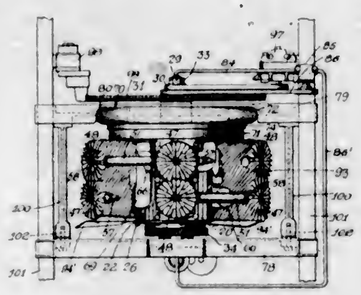
1,587,273. SYNTHETIC RESINS, PHOTOGRAPHIC PROCESS, MEDIA, AND PROCESS OF PREPARING SAME. MURRAY C. BEEBE, ALEXANDER MURRAY, and HAROLD V. HERLINGER, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 19, 1923. Serial No. 613,796. 51 Claims. (Cl. 95—7.)

1. A photographic process which comprises: acting selectively with light in accordance with an image, design or character upon a resinous compound derived from an amine and a five-membered mono-heterocyclic compound.

1,587,274. PHOTOGRAPHIC MEDIA AND PROCESS. MURRAY C. BEEBE and ALEXANDER MURRAY, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Jan. 22, 1923. Serial No. 614,068. 26 Claims. (Cl. (95—7.)

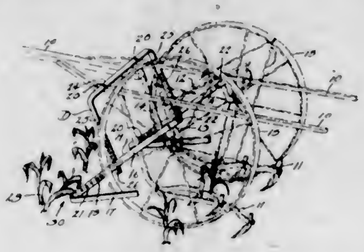
1. The process of preparing a photographic medium which comprises: combining with a synthetic resin hydrophobic colloid capable of transformation by the selective action of light a solvent medium comprising an aromatic hydrocarbon solvent.

1,587,275. INTERNAL-COMBUSTION ENGINE. ADOLPH BEHN and JOHN G. SCHMITT, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,034. 8 Claims. (Cl. 123—44.)



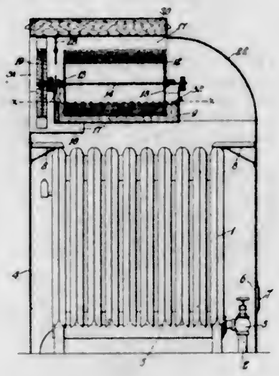
1. The combination, in a rotary internal combustion engine, of a crank shaft, a plurality of cylinders arranged radially about the crank shaft in groups of two cylinders each, the cylinders of each group being cast en bloc and aligned longitudinally of the crank shaft axis, each cylinder group including a compression cylinder and a working cylinder; and a plurality of fuel feed line connections respectively between each compression cylinder and one working cylinder only of the next adjacent cylinder group, said connections, in each instance, being confined to the cylinders comprised in a single radial series, and being extended, in each instance, away from the compression cylinder in a direction counter to the direction of rotation of the motor.

1,587,276. WHEEL GUARD FOR CULTIVATORS. JOHN T. BLEASDELL, Kingsley, Iowa. Filed July 6, 1925. Serial No. 41,497. 4 Claims. (Cl. 97—192.)



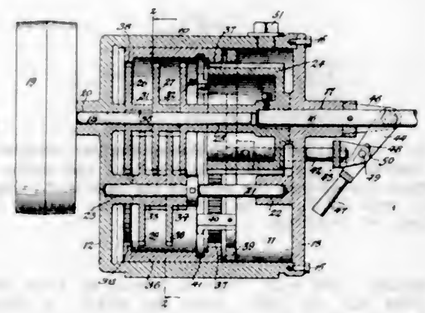
1. In a cultivator wheel guard, to be used with a cultivator having a tongue frame, an axle crank arm, and a wheel carried at the end of said arm, a V-shaped guard member having a long and short arm, means to attach the long arm to said crank arm in position extending forwardly and downwardly, the short arm being so positioned relative to the long arm that it will then extend upwardly and rearwardly at an angle of less inclination than that of the long arm, and means for supporting the forward portion of the guard member from the tongue frame.

1,587,277. AIR HUMIDIFYING AND CLEANING APPARATUS. JOHN ESTEN BOLLING, Newark, N. J. Filed Apr. 24, 1923. Serial No. 634,313. 18 Claims. (Cl. 261—92.)



2. In an apparatus for humidifying air, the combination with a casing having an air inlet and constructed so as to be supported in conjunction with a heating apparatus so arranged as to heat air entering from the surrounding atmosphere, said casing having a discharge opening for cleaned heated air, a rotary humidifying device within said casing provided with spaced evaporating surfaces of large area located in the path of the air so heated by the heating device and entering through the air inlet, means for supplying water in a thin film to said evaporating surfaces, a rotary propelling device connected to the humidifying device and located operatively with respect to the air inlet so as to be rotated solely by the motion of the air imparted by heat alone without the intervention of power operated means, and means for supporting the humidifying and propelling devices in the casing whereby they may be removed and the adhering solid matter collected from the atmosphere effectively removed therefrom.

1,587,278. CHANGE-SPEED GEARING. ALFRED F. BORSCHEL, Buffalo, N. Y. Filed Jan. 30, 1926. Serial No. 85,009. 4 Claims. (Cl. 74—58.)

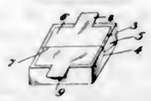


1. A change speed gearing comprising an elongated gear wheel, a train consisting of a plurality of large and small gears arranged in a plurality of longitudinal rows, each row containing alternating large and small gear wheels, and each small gear wheel of one row meshing with a large gear wheel of the other row, and a longitudinally movable barrel having two internal gear rims one of which meshes constantly with the elongated gear wheel and the other is adapted to engage selectively with the outer parts of the large gear wheels of said rows.

1,587,279. SOAP CAKE. CLARENCE LIVINGSTON BURGHER, New York, N. Y. Filed Jan. 17, 1925. Serial No. 3,019. 3 Claims. (Cl. 87—23.)

2. A hand-cake of soap having a recess in the mid-portion of each side of such depth as to leave a relatively thin web of soap in the medial plane of the cake surrounded by shoulders of soap on opposite sides, thus forming a hold for the hand on each side of the cake.

1,587,280. PACKAGE, WRAPPER THEREFOR, AND METHOD OF OPENING THE SAME. JAMES L. BURKE, Weehawken, N. J. Filed Aug. 4, 1921. Serial No. 489,675. 9 Claims. (Cl. 229—87.)



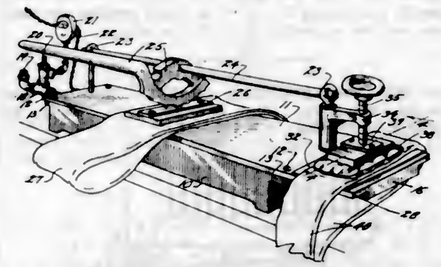
1. A wrapped package having a first pair of flaps and other flaps overlapping parts integral with said first pair of flaps, said first pair having grip-portions for convenience in opening the package.

1,587,281. STAIR STRUCTURE. BRANCIL R. BURNHAM, Whitney, S. C. Filed Sept. 12, 1925. Serial No. 56,023. 5 Claims. (Cl. 189—43.)

1. In a stair structure, a sheet-metal stringer cut and bent inwardly at one longitudinal edge to form horizontal triangular tread supports, with the base of each of these triangular supports at one end and the apex at the other

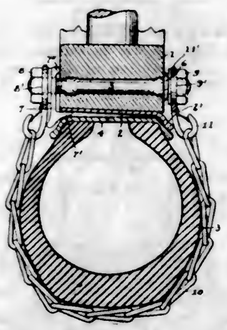
end, and bent at the lower terminal to form a horizontal base support, said stringer being flat throughout except at said longitudinal edge and the ends.

1,587,282. ELECTRIC TUBE-PLATE VULCANIZER. CARLETON W. CAMPBELL, Denver, Colo., assignor to Moll Manufacturing Company, Denver, Colo. Filed June 13, 1925. Serial No. 36,930. 6 Claims. (Cl. 18—18.)



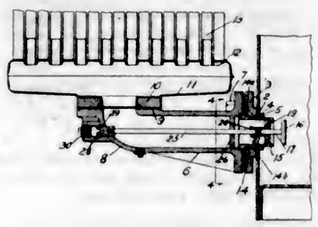
2. A vulcanizing device comprising a base; a heating element carried in said base; a vulcanizing plate carried on said base, said plate extending beyond said base and being provided with an opening in said extended portion; a detachable plate having an opening adapted to receive the valve stem of pneumatic tire arranged for placing over said first opening and means for clamping an article over said detachable plate.

1,587,283. ANTISKID DEVICE. ELMER H. CAREY, Clifton, N. J. Filed May 27, 1925. Serial No. 33,170. 3 Claims. (Cl. 152—14.)



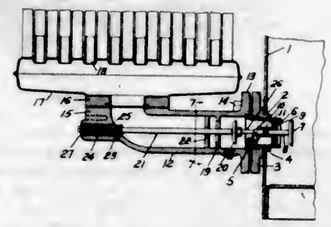
1. In combination, with a felly of a wheel, a tire-rim thereon, a tire on the rim and means to secure the rim on the felly including a bolt extending through the felly substantially parallel with the wheel-axis and having clamping enlargements thereon flanking the felly and one of which includes a nut screwed on the bolt, a flexible cross-grip extending across the tire-tread and having eyed end portions swivelled on said enlargements and penetrated by the bolt.

1,587,284. RADIATOR COOLER. RUDOLPH CONRADER, Erie, Pa. Filed Apr. 17, 1925. Serial No. 23,751. 8 Claims. (Cl. 137—21.)



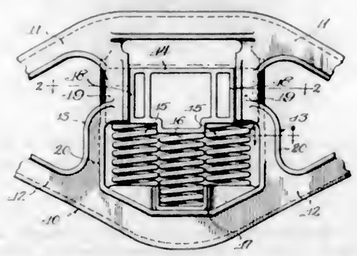
1. In a transformer cooler, the combination of a tank having an opening therein surrounded by a seat; a flanged fitting at the opening; a valve carried by the flanged fitting, said valve moving axially and non-rotatively toward and from its seat; and devices on the valve operable for locking the valve in closed position for shipment and for operating the valve in place.

1,587,285. TRANSFORMER COOLER. RUDOLPH CONRADER, Erie, Pa. Filed Oct. 12, 1925. Serial No. 61,972. 9 Claims. (Cl. 137—21.)



3. In a transformer cooler, the combination of a tank having an opening therein; a radiator detachably secured to the tank and having an opening registering with the opening to the tank forming a connection therewith; and means closing said openings with the radiator detached and operable with the radiator in place.

1,587,286. SIDE-FRAME STRUCTURE. JOHN W. DALMAN, Chicago, Ill., assignor to Dalman-Chiles Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 16, 1925. Serial No. 56,597. 5 Claims. (Cl. 105—197.)



1. In a car truck, a side frame, a plurality of coil springs, a bolster supported on said springs, and cooperating bearing surfaces on each side of said bolster and said side frame substantially concentric with an adjacent spring having its axis disposed within the boundaries of said side frame.

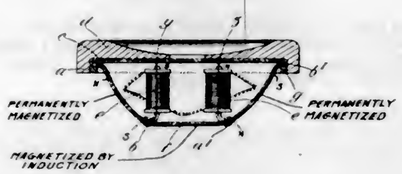
1,587,287. HAND GRIP FOR GOLF CLUBS OR THE LIKE. IRA O. DENMAN, Toledo, Ohio. Filed May 4, 1925. Serial No. 27,965. 11 Claims. (Cl. 273—81.)

1. A hand grip for a golf club or the like comprising a member attachable to a player's hand and having a portion spaced from the palm of the hand and engageable with the handle to retain the same against the fingers of the hand.

1,587,288. PIE PAN. JOHN S. DOOLY, St. Louis, Mo. Filed Apr. 30, 1925. Serial No. 26,927. 1 Claim. (Cl. 53—6.)

A pie pan of the character described, comprising a frame consisting of a circular rim integral with a plurality of radially disposed members spaced apart at equal distances from each other and integrally joined together in the geometrical center of said frame, said radial members having their longitudinal marginal edges turned down at right angles to a horizontal plane and adapted to support the said frame in a horizontal plane, a plurality of identical individual pie pans adapted to rest upon said frame and adapted to fit the openings between the said radial members, so that the flanged marginal edges of the said individual pans lie parallel with the longitudinal axes of the said radial members.

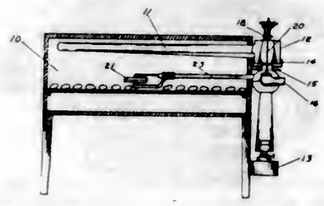
1,587,289. TELEPHONE RECEIVER. JOHN WILLIAM DUNGEY, Peckham, London, England. Filed Jan. 2, 1926, Serial No. 78,774, and in Great Britain Sept. 12, 1924. 11 Claims. (Cl. 179—117.)



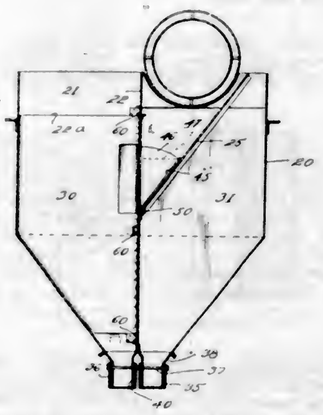
1. In a telephone receiving instrument, a shell fitted with a diaphragm, the shell consisting of a plurality of permanently magnetized portions spaced from one another by a substantial zone which is not permanently magnetized.

1,587,290. INCUBATOR. MARTEN FANDERS, Diller, Nebr. Filed Nov. 13, 1923. Serial No. 674,480. 3 Claims. (Cl. 236—4.)

1. In combination, a vertically positioned flue for conducting a current of heated air or gas and being provided with a damper at the outlet thereof, horizontally positioned means in said flue for conducting the excess of heated air or gas outwardly, said means being also provided with a damper, and thermostatic means for simultaneously opening or closing both of said dampers, said flue being also provided with an outlet for the discharge of the heated gas and air when both of said dampers are in their closed positions.



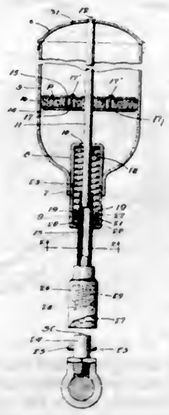
1,587,291. APPARATUS FOR SCREENING AND GRADING MATERIALS. JAMES FARASEY, Cleveland Heights, Ohio. Filed Mar. 26, 1923. Serial No. 627,578. 14 Claims. (Cl. 209—370.)



1. In a device of the character described, a plurality of storage bins comprising a composite hopper adapted for reception of the various graded materials flowing from a screen and having discharge openings from which the materials may flow by gravity, a chute for guiding material into a region adjacent two bins, and means for determining which of said two bins shall receive the material coming down the chute.

1,587,292. LUBRICANT COMPRESSOR. DOUGLAS F. FESLER, Chicago, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 21, 1924. Serial No. 694,302. 5 Claims. (Cl. 221—47.3.)

5. A lubricant compressor comprising a barrel and cylinder for receiving lubricant from said barrel, said barrel and cylinder being reciprocable relatively to each other, a coupling member carried by the outer end of said cylinder, said coupling member being provided with means for making a mechanical connection with a fitting upon the rotation of said barrel, and means for causing said coupling member to rotate with said barrel when said barrel is rotated.



1,587,293. GOLF CLUB. COLIN G. FINK, New York, N. Y., and CHARLES H. ELDRIDGE, Metuchen, N. J., assignors, by mesne assignments, to Chemical Treatment Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 21, 1924. Serial No. 751,378. 4 Claims. (Cl. 273—77.)

1. A golf club having a thin adherent metallic coating containing chromium upon the metallic portion of its head.

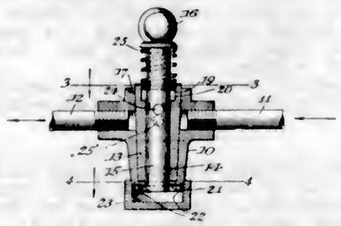
1,587,294. ROSETTE, BADGE, AND THE LIKE AND THE ART OF MAKING THE SAME. ELLEN N. GALLAGHER, Philadelphia, Pa. Filed Dec. 29, 1925. Serial No. 78,118. 7 Claims. (Cl. 41—13.)

1. A decoration comprising a rose consisting of a corolla composed of a circular series of like, semi-discal parts or sections of ribbon, the inner edge of each semi-discal member having therein a plurality of radially disposed folds permanently formed therein which imparts to each semi-discal member the shallow cupped surface and the curl to the free curved edge thereof, of a rose petal, means to simulate the stamen of a rose, secured to the center of said corolla, a backing secured to the central part of said corolla on the other side thereof, and a fastener secured to said backing.

1,587,295. WICKET GOLF GAME. HARRY C. GAMMETER, Cleveland Heights, Ohio. Filed Jan. 10, 1924, Serial No. 685,315. 11 Claims. (Cl. 273—87.)

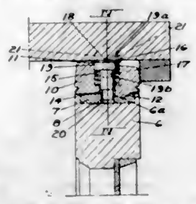
1. A golf game having tees and goals arranged to constitute a course, the goals comprising wickets having upright members between which the ball must be stroked, goal markers associated with said goal wickets, and tee markers arranged to be inserted in the ground in proximity to goals to indicate the direction from the tee to the next succeeding goal and the par strokes to such goal.

1,587,296. SPRING-SECURED SAFETY VALVE. EUGENE GANSFRIED, Bronx, N. Y. Filed Dec. 17, 1925. Serial No. 75,900. 5 Claims. (Cl. 277—25.)



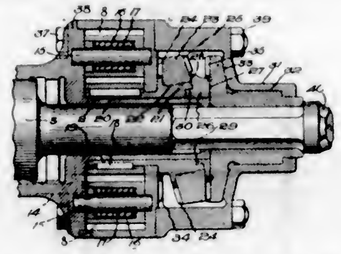
5. A gas control device comprising a casing, a multiple part valve consisting of a valve shell and a stem slidable therein and both revoluble within said casing, normally locked against rotation and means, when one part of said valve is depressed, for unlocking said valve to permit of its turning to open the service line.

1,587,297. REVERSIBLE WINDOW. WILLIAM B. GATES, Wilkinsburg, Pa. Filed Aug. 24, 1923. Serial No. 659,038. 6 Claims. (Cl. 20—53.)



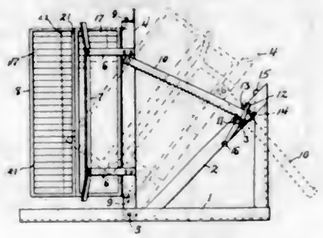
1. The combination with a sash, a frame and a reversible strip interposed between the sash and frame, said strip having a projection entered in the sash and being movable relatively thereto, of means for pivoting the sash in the frame comprising cooperating members on the sash and frame, one of said members projecting through the strip and having a socket therein, and a stud on one of the members entered in the said socket.

1,587,298. DRILLING MACHINE. GEORGE H. GILMAN, Boston, Mass. Filed Dec. 7, 1920. Serial No. 428,958. 19 Claims. (Cl. 121—7.)



1. In a drilling machine, a drilling tool, a chuck carrying said drilling tool, a rotary shaft, a tubular casing, a hammer piston in said casing having a hammer bar extending into said tubular shaft, a second casing surrounding said tubular shaft and containing a gear toothed member carried by said shaft, means for causing a pressure fluid to rotate said gear toothed member for rotating said shaft, an annular series of gear teeth carried by said second casing at the forward side thereof, an annular series of gear teeth carried by said chuck, a member driven by said shaft having two annular series of gear teeth, one meshing with the first and the other with the second mentioned series and forming therewith gear sets of different ratio, and the gear teeth of all said annular series of gear teeth being disposed generally radially to the axis of said chuck.

1,587,299. BOOKKEEPING APPLIANCE. SAMUEL GROSSMAN, Fort Wayne, Ind. Filed Mar. 11, 1925. Serial No. 14,649. 3 Claims. (Cl. 40—102.)

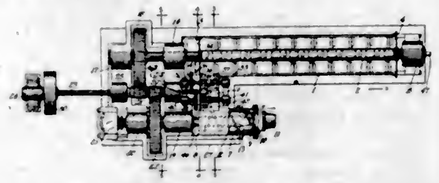


1. In an appliance of the class described, a base member including a bracket thereon; a supporting frome having pivotal connection at its lower end on the base member and having limited backward swinging movement; an outwardly extending rest in fixed relation with each side of the supporting frame; a series of record holding panels vertically disposed, each having pivotal support at its inner edge in said frame, the swinging movement of said panels being limited by said rests; a rack bar pivoted to each side of the supporting frame near the top thereof; a crank operated drive shaft in the bracket and having fixed thereon a pair of pinions that have engagement respectively with said rack bars, an arm adjacent each of said rack bars having a roller bearing upon the upper edge of the rack bar for preventing the rack bar from disengagement with its pinion; and a stop on each rack bar engageable with the corresponding arm for limiting the forward movement of the rack bar.

1,587,300. CLAY TEMPERING AND EXPRESSING APPARATUS. WILLIAM LEE HANLEY, Jr., Bradford, Pa. Filed Feb. 16, 1924. Serial No. 693,151. 4 Claims. (Cl. 25—14.)

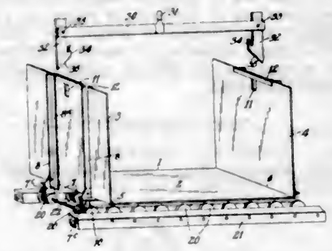
1. A machine of the character described, comprising among its members, a horizontal clay tempering cylinder,

and a horizontal clay expressing cylinder, arranged side by side in substantially the same horizontal plane, the discharge end of the clay tempering cylinder being connected to the inlet end of the clay expressing cylinder, by a substantially horizontal throat, clay feeding devices



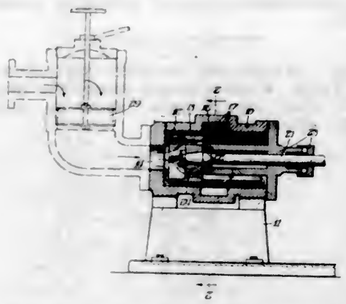
in said respective cylinders for feeding the clay in opposite directions therein, and transferring mechanism located in said throat for positively transferring the clay therethrough from the tempering cylinder to the expressing cylinder.

1,587,301. BENCH-SHEET-STORAGE PLATFORM. WILLIAM LEE HANLEY, Jr., Bradford, Pa. Filed June 9, 1925. Serial No. 35,881. 10 Claims. (Cl. 294—63.)



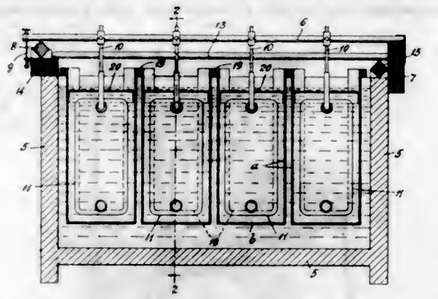
1. A device of the kind described, comprising a unitary wrought metal plate, having the central portion disposed horizontally to form the bottom member, integral end portions of the same plate being bent perpendicularly to the plane of the bottom member, to form integral, rigidly maintained end members, said end members being provided with means for engaging lifting means, whereby the entire weight of the load is distributed to and upon the various portions of the same integral plate.

1,587,302. BLENDING MACHINE. BERTIE S. HARRINGTON, Fort Worth, Tex. Filed July 15, 1925. Serial No. 43,693. 8 Claims. (Cl. 99—2.)



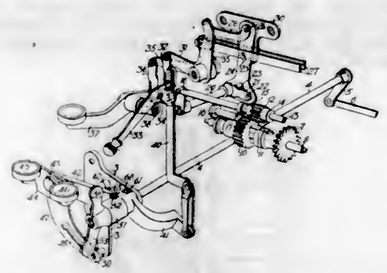
1. A blending machine, comprising two closely fitting members mounted for relative rotation, one of the members having perforations therein and the other having a feedway in the surface thereof adjacent the perforations.

1,587,303. ELECTROLYTIC COATING APPARATUS. AUSTIN H. HART, Montclair, N. J., assignor to Rome Radiation Company, Inc., Rome, N. Y., a Corporation of New York. Filed Apr. 8, 1924. Serial No. 704,935. 4 Claims. (Cl. 204—5.)



1. In an electrolytical apparatus for the electro-deposition of a metallic coating comprising a tank containing an electrolytic bath, means for suspending the elements to be coated, in said bath, means for suspending a cathode and an anode therein, adjustable independent means enclosing the peripheries of said elements at a predetermined distance adapted to regulate the deposition of metal upon said peripheries.

1,587,304. COMPUTING AND RECORDING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed July 1, 1925. Serial No. 40,841. 7 Claims. (Cl. 235—58.)

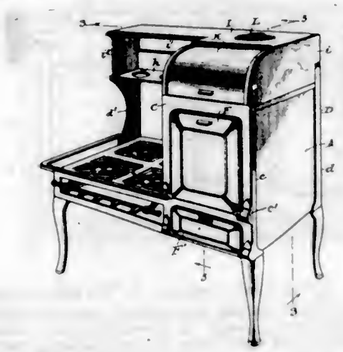


1. In a computing and recording machine, the combination with computing mechanism adapted to be set for different arithmetical operations, and color mechanism adapted to be set for printing in different colors, of a yielding connection between the two mechanisms sufficient to cause a setting of one of said mechanisms to set the other mechanism but yielding to pressure so as to permit said other mechanism to be set without setting the first one of said mechanisms.

1,587,305. TOY GAS RANGE. JOHN H. HARTMAN, Lancaster, Pa., assignor to The Hubley Manufacturing Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1925. Serial No. 13,642. 4 Claims. (Cl. 46—37.)

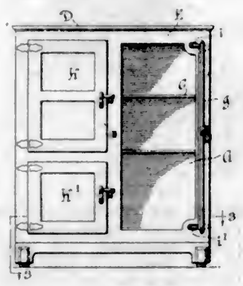
1. A toy gas range having cast metal front and back connected by tie-bolts and clamping therebetween a sheet metal plate forming the bottom and opposite ends of the range and a second sheet metal plate of L-shaped form having an upright portion forming the inner side of an imitation oven and a false bottom overlying the first named bottom; one of the ends of the first named plate forming the outer side of said oven, a horizontally dis-

posed partition plate supported on lugs projecting inwardly from said front and back and having depending flanges overlapping the upper edges of the upright portions of said first named plate and said L-shaped plate and also having a shelf-like portion connecting it with a side portion of said back, and a top having at one end depending spaced side portions with curved front edges



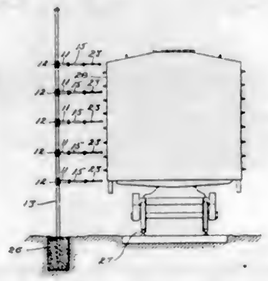
and a depending back portion extending its full length; said depending spaced side portions and back of said top and said partition forming an imitation warming oven arranged over said baking oven, a downwardly curved front door hinged to said top, and a tie-bolt connecting said top with said partition, the latter forming the bottom of said warming oven.

1,587,306. TOY REFRIGERATOR. JOHN H. HARTMAN, Lancaster, Pa., assignor to The Hubley Manufacturing Co., Lancaster, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1925. Serial No. 13,643. 4 Claims. (Cl. 46—37.)



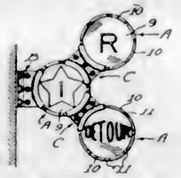
1. A toy refrigerator consisting of a metal front plate having a plurality of door openings therein, each provided with a swinging door, a cast metal top and bottom, and a plurality of sheet metal plates between said top and bottom arranged to form therewith interior compartments in imitation of the usual food compartments and ice box of an ordinary refrigerator; one of said sheet metal plates being shaped to form the back and two sides of the refrigerator, another forming the bottom and inner side wall of an imitation ice box located above a lower simulated food compartment, and another being of substantially U-shaped form and having its bottom secured to said side wall of said imitation ice box, so as to form small imitation food compartments or shelves beside said ice box located above the larger lower food compartment, and tie bolts connecting said top and bottom so as to clamp the assembled sheet metal plates and front therebetween and hold them in assembled relation.

1,587,307. SIDE WARNING FOR CLOSE CLEARANCE. BENJAMIN J. HASTINGS, Taunton, Mass. Filed Sept. 23, 1925. Serial No. 58,169. 6 Claims. (Cl. 246—486.)



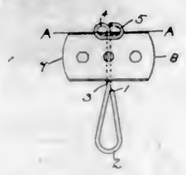
3. A telltale side warning of approach to a structure closely adjacent to a traveled way comprising a standard set adjacent the passageway having mounted thereon a plurality of jointed arms extending toward the path of travel, the members of each arm being connected together by a universal joint, and a spring connection between the several members of the joint which normally retains the several members of the joint in alinement with each other, said spring yielding to permit the joint to be flexed under slight pressure and which is efficient to restore the members of the joint to normal position when the pressure is released.

1,587,308. HIGHWAY MARKER. OSCAR MILTON HATCHER, Mankato, Minn. Filed July 9, 1923. Serial No. 650,338. 8 Claims. (Cl. 40—125.)



1. In a highway marker, sign members, each member having a flange at the margin thereof formed with notches therein, an anchoring element for attachment to a support, said element comprising complementary parts for interlockingly embracing different marginal portions of one of the sign members, and a coupler comprising complementary opposed parts for interlockingly embracing different marginal portions of the member held by said element and different marginal portions of another sign member.

1,587,309. DEVICE FOR SHARPENING RAZORS AND THE LIKE. WILLIAM ERNEST HERON, New Brunswick, N. J. Filed July 25, 1925. Serial No. 46,070. 1 Claim. (Cl. 29—83.)

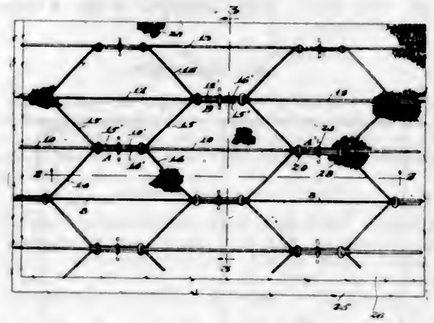


In a sharpener for razor blades, a wire forming a handle and bent into a substantially closed loop, at one end of the handle, forming a space between said handle and loop for reception of said blades.

1,587,310. FARM GATE. JEFFERSON C. HERRICK, Murdo, S. Dak. Filed May 25, 1925. Serial No. 32,819. 3 Claims. (Cl. 39—83.)

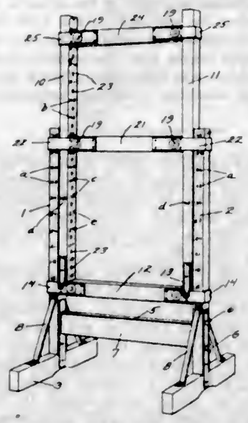
1. A gate structure comprising a pair of posts, pivot elements mounted on one post, a gate including horizontal elements, an elongated member engaged upon said horizontal elements and pivoted upon said pivot elements, an arm pivoted on said member and engaging beneath one of the horizontal elements of the gate, and a spring device connected with said arm and with said member, the gate being slidable through said member.

1,587,311. PLASTER LATH. WILLIAM D. HICKS, Inglewood, Calif. Filed Mar. 31, 1925. Serial No. 19,614. 5 Claims. (Cl. 72—116.)



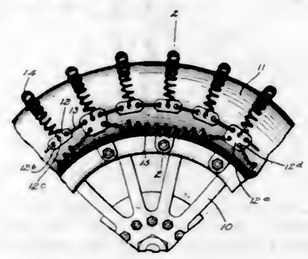
1. A lath structure comprising a wire mesh formed from a plurality of separate wire strands having body sections defining a smooth working plane on one side, spacing portions of said strands projecting from the other side, and means binding said spacing portions together and disposed wholly below said plane.

1,587,312. PAPER HANGER'S AND PAINTER'S TRESTLE. CHARLES F. HILGER and BENJAMIN F. HILGER, Sterling, Ill. Filed Mar. 26, 1923. Serial No. 627,572. 4 Claims. (Cl. 304—2.)



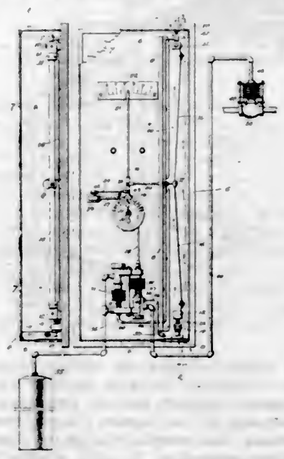
1. A device of the class described, comprising a stationary frame, provided at intervals with catch-engaging devices; an auxiliary frame vertically slidable in said stationary frame, and provided at its lower end with means for engagement with said catch-engaging devices, provided also at intervals with catch-engaging devices; a cross-bar slidable on said auxiliary frame, provided with means for releasable engagement with the catch-engaging devices thereof; and a cross-bar slidable on said stationary frame, also provided with means for releasable engagement with the catch-engaging devices of said auxiliary frame.

1,587,313. ANTISKID DEVICE. SATO HISANOSUKE, New York, N. Y. Filed Oct. 12, 1925. Serial No. 62,162. 3 Claims. (Cl. 152—14.)



1. An antiskid device including a pair of annular chains adapted to lie on opposite sides of a tire shoe, and contractile spring tread elements connecting the chains, said chains including alternate links and plates, said plates having openings therein into which the ends of the tread elements are hooked, certain of said plates projecting inwardly beyond the others, and coiled contractile springs having their ends hooked in openings in the inwardly projecting plates.

1,587,314. HYGROSCOPIC REGULATING DEVICE. WILLIAM B. HODGE, Charlotte, N. C. Filed May 19, 1923. Serial No. 640,283. 3 Claims. (Cl. 236—44.)

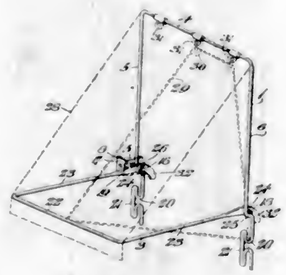


1. The combination of a controlled device of the pressure fluid actuated type; an automatic controlling device connected therewith and including a responsive element and a valve actuating relay motor controlled thereby and serving to admit and exhaust pressure fluid to and from said controlled device; means for inducing a current of air past said responsive element; a screen through which the entering air current passes; and means for directing pressure fluid exhausted by said relay valve against said screen in opposition to said current.

1,587,315. SASH GUIDE. THOMAS W. HOLT, Elkhart, Ind., assignor to Curtain Supply Company, Elkhart, Ind., a Corporation of Illinois. Filed May 25, 1925. Serial No. 32,535. 7 Claims. (Cl. 20—69.)

1. The combination with a sash having a guide groove in one edge thereof, of a sash guide, comprising two associated strips having two sash-engaging portions on the opposite sides thereof which extend the full height of the sash and together constitute a rib for reception in the groove of the sash, and spring means acting between the strips to separate the sash-engaging portions, one of the strips being adapted to be fixedly attached to a window jamb.

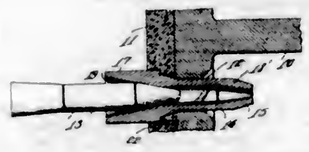
1,587,316. AWNING FRAME. WILLIAM G. HOPKINS, Philadelphia, Pa. Filed Oct. 1, 1924. Serial No. 740,893. 4 Claims. (Cl. 156—15.)



1. In a window awning, an upright stationary awning frame, a pivotally mounted movable awning frame, awning canvas secured to the two awning frames, hangers secured to the upper window frame member for supporting the upright stationary frame, locking hinge members secured to the side window frame members for detachably securing the stationary frame and for pivoting the movable frame.

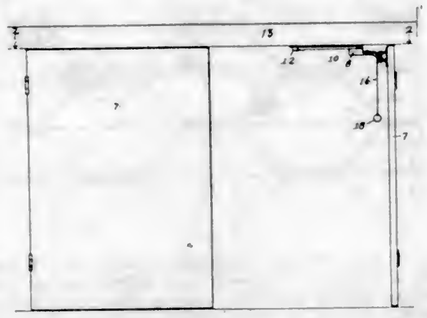
1,587,317. EXPANSION PLUG. ELDRIDGE H. HORTON, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,751. 3 Claims. (Cl. 85—2.4.)

3. The combination with a frangible plug having a bore therethrough the intermediate portion of which is cylindrical while the opposite ends are tapered outwardly and flared outwardly, respectively, of an expanding plug having its exterior formed in correspondence with the said bore and arranged to fracture the opposite ends of



said frangible plug, said expanding plug being arranged to remain with its intermediate portion frictionally engaged within the corresponding portion of the frangible plug.

1,587,318. DOOR LATCH. ARTHUR HORTON, Chicago, Ill. Filed May 11, 1925. Serial No. 29,536. 3 Claims. (Cl. 292—263.)



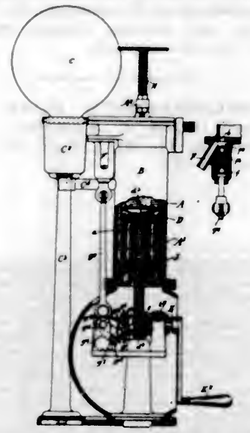
1. The combination with a door frame and a door hinged in said frame on a vertical axis to swing horizontally, of an arm pivoted on a vertical axis at one end on the frame to swing horizontally; an arm pivoted on a vertical axis at one end on the door to swing horizontally; a socket on one arm and a hub on the other arm rotatably mounted in said socket; a spring held latch bolt on said socket arm, there being latch holes in said hub to receive said bolt; and a latch string secured to said bolt for releasing the same, substantially as described.

1,587,319. APPARATUS FOR AERATING LIQUIDS. WILLIAM HUCKS, Camden Town, London, England, assignor of one-half to Sodastream Limited, Camden Town, London, England. Filed Aug. 19, 1924. Serial No. 733,020, and in Great Britain Oct. 29, 1923. 8 Claims. (Cl. 225—21.)

1. In apparatus for aerating and dispensing liquids, a vessel, a cylinder within said vessel, and a piston reciprocable within said cylinder, in combination with means for introducing aerating gas above said piston, and means for introducing liquid beneath said piston.

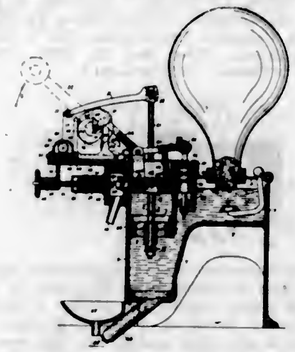
7. Apparatus for use in aerating and dispensing liquids comprising a vessel, a cylinder inside said vessel, a piston capable of being reciprocated in the cylinder adapted to move above the liquid level, means for controlling the level in and the supply of liquid to the cylinder, and valve means adapted to prevent the passage of liquid past the piston in one direction but to

permit its passage in the other direction, together with means opening to the cylinder above the normal liquid level therein for effecting aeration of the liquid.



8. In apparatus in accordance with claim 1, means for preventing the liquid to be aerated from passing out of the vessel owing to siphoning action set up by the aerated portion of liquid, substantially as hereinbefore described.

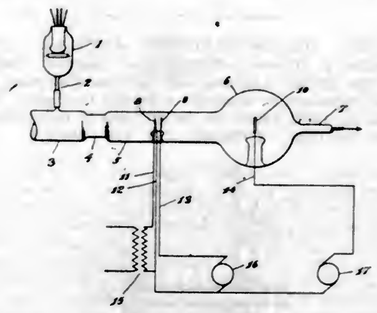
1,587,320. APPARATUS FOR AERATING LIQUIDS. WILLIAM HUCKS, London, England, assignor of one-half to Sodastream Limited, Camden Town, England. Filed July 30, 1925, Serial No. 47,038, and in Great Britain Sept. 27, 1924. 5 Claims. (Cl. 225—21.)



1. Apparatus for aerating liquids comprising a receptacle open at its lower end, a piston-like body within the receptacle for discharging aerated liquid, a lever fulcrumed at one end to a fixed part of the apparatus, and means connecting the other end of said lever to said piston-like body, in combination with an operating shaft mounted upon the apparatus, and means associated with the shaft and with the lever, whereby through rotary motion of the shaft in one direction said piston-like body may be raised in said receptacle to discharge the liquid therefrom, and through continued rotation of the shaft in the same direction said body may be lowered in said receptacle to a position ready to discharge a fresh quantity of the liquid at the next operation of the apparatus.

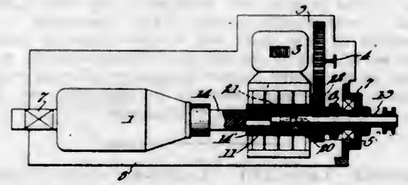
5. In an apparatus in accordance with claim 1, a locking device, liberated by gas under pressure, adapted to prevent the rotation of the operating shaft until the gas is admitted to the receptacle containing the liquid to be aerated; substantially as hereinbefore described.

1,587,321. PUMP. FREDERICK L. HUNTER, Jr., Towaco, N. J., assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J., a Corporation of Delaware. Filed Feb. 16, 1924. Serial No. 693,403. 4 Claims. (Cl. 230—13.)



1. Means for obtaining evacuation of a vessel including a filament and grid relatively close together and a plate spaced from said filament and grid a considerable distance.

1,587,322. DYNAMO-ELECTRIC MACHINE. JAMES COCHRANE HUTTON, Birmingham, England, assignor to The British Lighting and Ignition Company, Limited, Birmingham, England, a British Company. Filed May 19, 1925, Serial No. 21,319, and in Great Britain May 16, 1924. 2 Claims. (Cl. 290—41.)



1. A combined unit of the kind referred to comprising an ignition magneto provided with a fixed armature and a rotor and an electric dynamo provided with a rotary armature, a common driving shaft for the rotor of the magneto and the armature of the dynamo, two bearings only, between which said rotor of the magneto is located, for supporting said common driving shaft near its extreme ends, a sleeve on which the rotor is rotatably mounted on said common driving shaft, a high tension distributor driven from said sleeve, a contact breaker, said contact breaker being actuated by said sleeve, and means for effecting relative angular displacement between the sleeve and the shaft for controlling the timing of the spark.

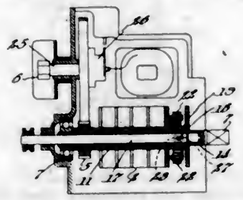
1,587,323. PROCESS OF EFFECTING THERMOCHEMICAL REACTIONS. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 27, 1929. Serial No. 426,863. 29 Claims. (Cl. 23—82.)

1. The process of decomposing an oxygen-containing metal compound which comprises subjecting to a high temperature a mixture containing said metal compound and alkali-soluble-cellulose carbon having an ignition temperature below 90° C. in air.

13. The process of producing an alkali-metal cyanide which comprises heating in contact with nitrogen a mixture containing an alkali-metal halide, a reducible compound of a carbide-forming metal, a compound of an

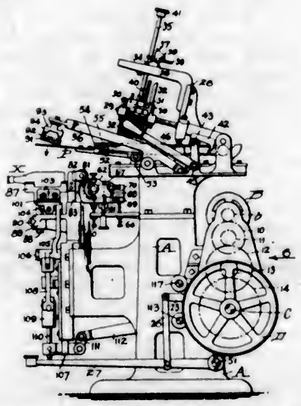
alkali-metal other than a halide, and carbon obtainable by thermally decomposing at a temperature below 550° C. the alkali-soluble constituents of wood, to a temperature sufficient to effect a reaction between the carbon, nitrogen, and the last mentioned alkali-metal compound to form an alkali-metal cyanide.

1,587,324. DYNAMO-ELECTRIC MACHINE. JAMES COCHRANE HUTTON, Birmingham, England, assignor to The British Lighting and Ignition Company Limited, Birmingham, England, a British Company. Filed Jan. 22, 1926, Serial No. 82,897, and in Great Britain May 16, 1924. 8 Claims. (Cl. 123—149.)



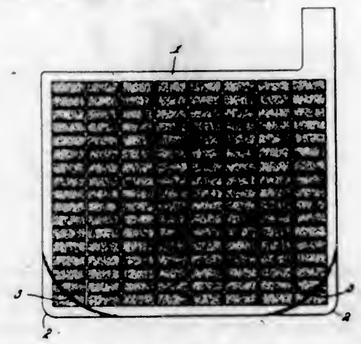
1. An ignition magneto of the kind referred to comprising a fixed armature and a rotary permanent magnet system, a driving shaft for the rotary magnet system, bearings for supporting said driving shaft, a sleeve rotatably mounted on said driving shaft, said rotary magnet system being mounted directly on said sleeve, a high tension distributor drive mechanism mounted directly on said sleeve, a contact breaker, means for actuating said contact breaker from said sleeve, said sleeve with the members aforementioned mounted thereon being located between the bearings of the driving shaft, and a centrifugally acting means comprising a hub mounted on said shaft and weights connected through one set of links to the hub and through another set of links to the rotary magnet system for effecting relative angular displacement between the hub and the shaft for controlling the timing of the spark.

1,587,325. LABELING MACHINE. JOHN EMANUEL JOHNSON and CHARLES H. OSLUND, Worcester, Mass., assignors to The O. & J. Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1921. Serial No. 438,069. 5 Claims. (Cl. 216—54.)



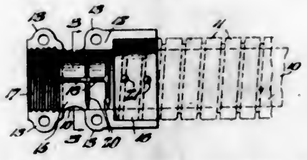
1. In a labeling machine, the combination of a label holder, pickers, means for moving the same from the label holder over the article to be labeled, a gum fountain, a gumming roller, means for moving the gumming roller so that the same will stand in position to apply gum to the pickers as they move from the article back to the label holder, and a clutch for throwing the same into and out of operation arranged so that when the machine is thrown out of operation the pickers will stand over the gum fountain, whereby drip therefrom will fall back into the fountain.

1,587,326. STORAGE-BATTERY PLATE. OSCAR A. JOHNSON and GEORGE A. STOWASSER, Minneapolis, Minn. Filed July 14, 1923. Serial No. 651,608. 1 Claim. (Cl. 136—9.)



A battery plate having its body portion of an equal thickness throughout and having its lower corners rounded and its opposite faces at an equidistance from said corners beveled inwardly to the said corners.

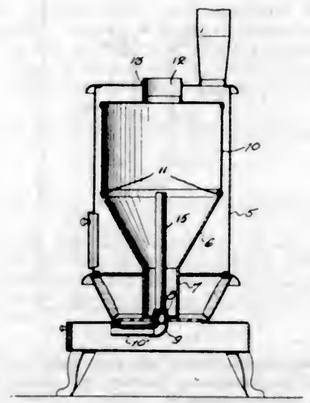
1,587,327. HOSE COUPLING. WILLIAM A. JOHNSON, Chicago, Ill., assignor to Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 22, 1923. Serial No. 640,665. 2 Claims. (Cl. 285—84.)



1. In a hose construction, the combination of a length of flexible hose, a flexible metallic armor of relatively short length fitting over an end portion of said hose, a coupling having bores of different diameter formed therein, one of said bores seating over said hose end and the other of said bores seating over an end of said armor, a threaded part of said coupling projecting beyond the end of said hose for attaching said part to a cooperating part, means for clamping said coupling to said hose and armor, and internally projecting means in one of said bores to prevent relative movement between said coupling and said hose.

1,587,328. AIR-HEATING ATTACHMENT FOR STOVES. HENRY T. JONES, Marion, Ohio. Filed Oct. 18, 1924. Serial No. 744,452. 1 Claim. (Cl. 126—71.)

The combination with a stove of a heating attachment comprising a cylindrical hollow member adapted to be arranged in juxtaposition with the grate of the stove and rising therefrom, an inverted frusto-conical member formed with the cylindrical hollow member and rising therefrom, a drum having its lower edge secured to the upper edge of the inverted frusto-conical member, an interiorly threaded boss formed in the bottom of the cylindrical hollow member, a vertically arranged pipe threaded in said boss and having its upper end terminating in a line with the juncture of the drum

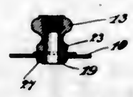


with the inverted frustro-conical member, an air conducting pipe horizontally arranged in the ash receiving chamber of the stove and being in communication with the vertically arranged pipe, and a tubular outlet pipe rising from the drum and passing through the top of the stove.

1,587,329. GROUND ANCHOR AND METHOD OF FORMING SAME. LEE C. JONES, Sewickley, Pa. Filed Mar. 12, 1924. Serial No. 698,749. 4 Claims. (Cl. 189—92.)

1. The method of providing ground anchors, which consists in providing a hole in the ground with an enlarged cavity at its lower end, introducing an anchor post into the cavity, said post having a plurality of tongues cut along three sides and bent slightly out from the side faces of the post adjacent its lower end so as to permit the insertion of a suitable tool between the side faces of the post and the tongues, inserting a suitable tool between said tongues and the side faces of said post to force said tongues outwardly and downwardly, and finally filling said cavity and the space between the post and the side wall of the hole with cementitious material.

1,587,330. STUD FASTENING. WALTER R. KAHNS and KARL KELLER, Brooklyn, N. Y., assignors to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 19, 1925. Serial No. 3,251. 2 Claims. (Cl. 240—78.)



1. A device of the character described, comprising a socket having a reduced end exteriorly threaded with a hole in one side, a base member with an opening through which the threaded end of the socket is passed and a smaller opening adjacent said first opening, a washer having an opening and integral tongue at one end thereof extending inwardly, a downwardly bent lug on the outer edge of said washer in alignment with said tongue, the opening in the washer being of a size and shape to allow the threaded end of said socket to pass through free of said tongue, said washer being located between the socket and base member, whereby upon moving said socket forward in said opening in the washer, said tongue enters the hole in the threaded end of the socket, while said lug on the washer engages the smaller opening in the base member, and a lock nut screwed upon the threaded end of the socket.

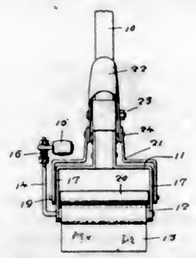
1,587,331. MIXING RECEPTACLE. JACOB A. KANTER, Chicago, Ill. Filed May 12, 1924. Serial No. 712,856. 1 Claim. (Cl. 83—73.)

A mixing receptacle of the class described including a bottom wall formed from a sheet of material defining a relatively flat portion and vertically extending end portions defining outwardly turned flanges and outwardly and upwardly curved portions intermediate the relatively flat portion and the vertically extending portions, side walls extending along the longitudinal edge portions of the relatively flat portion and including vertically extending edge portions disposed inwardly of the vertically extending portions of the sheet and defining curved edge portions inwardly of the vertically extending edge portions disposed against adjacent surfaces of the curved portions of the sheet, end strips arranged beneath the flanges against the outer surfaces of the vertically extending portions of the sheet, reinforcing strips having end portions disposed upon adjacent top edge portions of the side walls and opposite end portions disposed over the outer surfaces of the curved portions of the sheets and intermediate portions extending over the end members, and means for securing the reinforcing strips to the end portions of the side walls.

1,587,332. COMBINED MOP AND WRINGER. DUNCAN KEIR, Atlantic City, N. J. Filed Nov. 17, 1924. Serial No. 750,397. 1 Claim. (Cl. 15—119.)

A mop of the character described including a roller shaft, a cank arm projecting therefrom, and threaded for a portion of its length, spaced nuts arranged on

said arm, a handle including an eye member mounted on said arm and capable of being arranged to project from either side thereof, and a coiled spring surround-

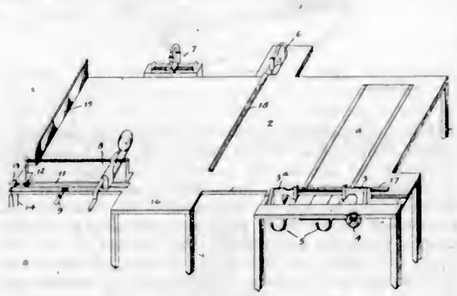


ing said arm and interposed between one of said nuts and said eye member for holding the handle in any given position.

1,587,333. PROCESS OF PRODUCING VARNISH. WALTER W. KING, New Brighton, N. Y., assignor to the Barrett Company, a Corporation of New Jersey. Filed Feb. 9, 1921. Serial No. 443,655. 3 Claims. (Cl. 134—26.)

1. The process of producing varnish, which comprises heating a drying oil to about 470° F., adding paracoumaron resin, increasing the temperature, maintaining the heat until the mixture would set when cold, and adding more parncoumaron.

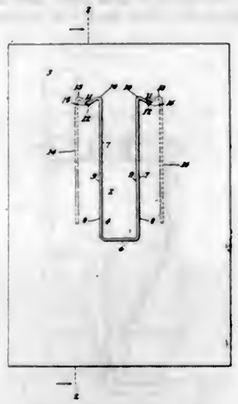
1,587,334. TABLE FOR SEWING AND ASSEMBLING ROLLER SHADES. DAVID W. KLAU, New York, N. Y. Filed Dec. 5, 1925. Serial No. 73,312. 1 Claim. (Cl. 112—2.)



The combination of a table adapted to support a roller-shade strip spread out in flat condition thereon, a sewing machine, and a beveled ridge behind said sewing machine adapted to cause a shade strip passing from the machine to pass over a preceding strip or strips lying on the table.

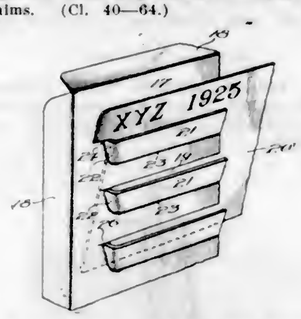
1,587,335. CLAMPING DEVICE. FRED J. KLINE, New York. N. Y. Filed Nov. 2, 1922. Serial No. 598,488. 1 Claim. (Cl. 24—66.)

A device of the class described comprising a backing member having openings therein to receive portions of a clamping element formed from a single length of wire, said element including a U-shaped jaw portion adapted to bear upon the face of the backing member and legs formed integral with the jaw adapted to bear upon the rear face of the backing member, V-shaped portions integrally connecting the legs with the jaw and having their apexes passing through the openings in said backing member, and each of said V-shaped por-



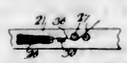
tions having corresponding portions lying in a plane parallel to its remaining portion to receive therebetween the backing member.

1,587,336. CARD REGISTER. LEO LICHTENSTEIN, Chicago, Ill. Filed Aug. 28, 1925. Serial No. 53,033. 3 Claims. (Cl. 40—64.)



1. In a card register, a rack plate provided with a plurality of parallel horizontally extending card slots, each slot being formed by striking forward the metal to afford an outstanding forwardly extending lip portion merging at its base into the plane of the plate, and the ends of the lip being inturned and merged integrally into the body of the plate, in combination with a plurality of cards having their body portions entered through the slots and having laterally extending shoulder portions near their upper edges, said shoulder portions standing transversely to and abutting against the inturned ends of the lips, substantially as described.

1,587,337. METHOD AND APPARATUS FOR WEAVING WIRE CLOTH. HAMILTON LINDSAY, Cleveland, Ohio, assignor to the Lindsay Wire Weaving Company, a Corporation of Ohio. Filed Dec. 15, 1921. Serial No. 522,483. 5 Claims. (Cl. 139—212.)



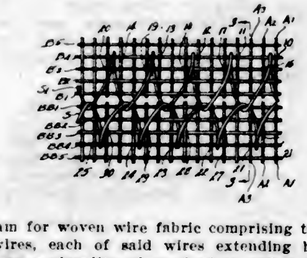
1. In a power loom having a shuttle, shuttle boxes, and means for moving the shuttle across the loom from one box to another, the method of weaving wire cloth

comprising momentarily locking the wire while the shuttle is in motion near the end of its stroke so as to impart a quick jerk to the wire and then releasing the wire before the shuttle is brought to a stop in the shuttle box.

1,587,338. WIRE BELT AND PROCESS FOR MAKING SAME. HAMILTON LINDSAY, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 23, 1921. Serial No. 524,554. 3 Claims. (Cl. 139—384.)

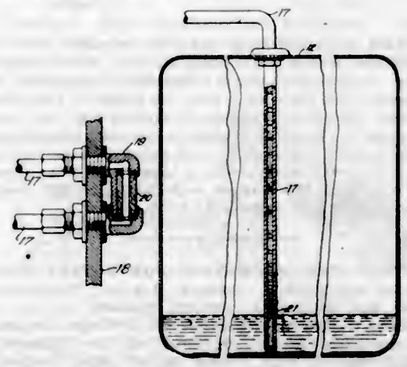
1. A woven wire belt comprising a fabric having the warp wires extending at an angle slightly different from a right angle to the weft wires, such oblique angle being slightly obtuse for a considerable distance and then slightly acute.

1,587,339. SEAM FOR WOVEN-WIRE BELTS. HAMILTON LINDSAY, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 12, 1924. Serial No. 712,579. 10 Claims. (Cl. 245—10.)



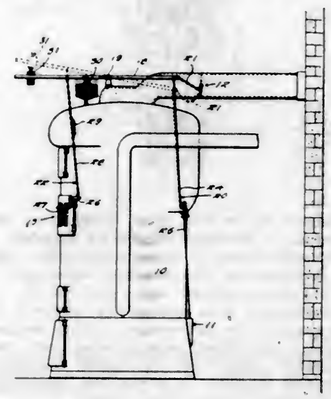
1. A seam for woven wire fabric comprising two seam-forming wires, each of said wires extending back into the belt over a plurality of woof wires and each having inner loops and outer loops, the outer loops of one wire passing through the outer loops of the other wire.

1,587,340. LIQUID-LEVEL INDICATOR. ALBERT G. MCCALEB, Oak Park, Ill. Filed Aug. 5, 1921. Serial No. 490,007. 2 Claims. (Cl. 116—117.)



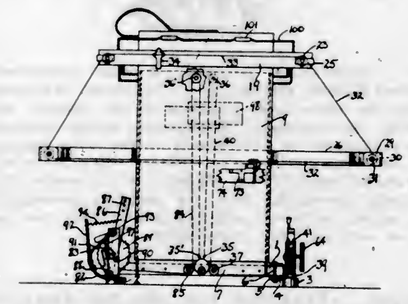
1. In a vehicle, an engine, a main fuel tank, and a conduit through which the fuel requirements of the engine are supplied by suction, a sight tube interposed in said conduit and located at the driver's position, that part of the conduit which communicates with the tank comprising a portion which projects into the tank and is provided above its lower end with a small air inlet aperture located at a definite point above the bottom of said tank whereby, when said air inlet aperture is uncovered by lowering of the level of fuel in said tank a series of bubbles will be formed in said conduit and will pass through the sight tube to thereby visually indicate the condition of the fuel supply.

1,587,341. DRAFT-CONTROL DEVICE. FRANCIS E. MCVAY, Pawtucket, R. I. Filed Feb. 20, 1926. Serial No. 89,754. 4 Claims. (Cl. 110—147.)



1. In combination with a furnace including the usual under draft, a flue check biased to maintain the same in closed position and a fire door check having the usual slide, the slide being biased to maintain the same in closed position, a pivoted lever and connections between said lever and the under draft, flue check and fire door check whereby continued movement of the lever in one direction consecutively closes the under draft, operates the flue check and opens the slide of the fire door check.

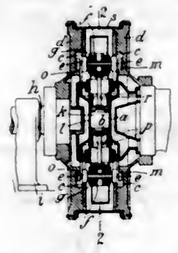
1,587,342. COPYHOLDER AND INDICATOR FOR TYPING MACHINES. LOUIS T. MATHEWS, Houston, Tex. Filed Aug. 3, 1925. Serial No. 47,659. 11 Claims. (Cl. 120—29.)



1. In combination with a typing machine having moving parts thereon, a copy holder adjacent thereto, a line marker extending horizontally across the front thereof, means to adjust said holder vertically relative to said marker, a pulley at each end of said marker, a pair of lateral supporting arms extending from each side of said holder, pulleys at the ends of said arms, a flexible

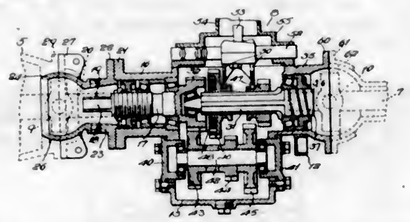
line extending around all of said pulleys and across the face of said marker, a pointer on said line, and means to move said line and said pointer along said marker actuated by the said moving parts.

1,587,343. INTERNAL-COMBUSTION ENGINE. HERMANN MICHEL, Voorde I. Holstein, Germany. Filed Oct. 26, 1922, Serial No. 596,976, and in Germany Oct. 28, 1921. 3 Claims. (Cl. 74—14.)



1. An engine of the two cycle Diesel type, provided with a casing, a plurality of pistons arranged to reciprocate in said casing in opposite directions, separately guided reciprocating cross-heads or equivalent sliding members connected rigidly with said pistons, a cam member cooperating with said sliding members to control the position of the pistons and a rotary member supporting said cam member and including two rotatable disks connected together by interposed removable sectional segments whereby to enclose the operating members and to permit ready access thereto.

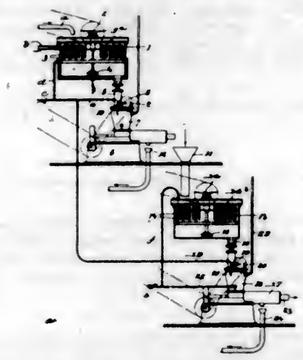
1,587,344. TRANSMISSION DEVICE. GUY MORGAN, New York, N. Y., assignor to The Warford Corporation, New York, N. Y., a Corporation of New York. Filed July 14, 1923. Serial No. 651,450. 2 Claims. (Cl. 74—58.)



2. In combination, a frame, a main transmission mounted thereon, a cross member extending transversely across the frame and supported at its opposite ends thereon, an auxiliary transmission having universal join support at its forward end on the main transmission and supported at its rear end on said cross member between the opposite ends thereof, and a propeller shaft extending rearwardly from the auxiliary transmission and having universal joint connection with the rear end of said auxiliary transmission.

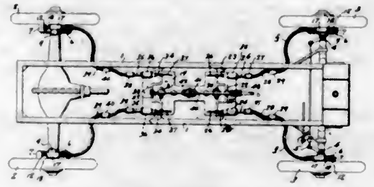
1,587,345. APPARATUS FOR THE RECUPERATION OF THE LYE FROM DISSOLVED CELLULAR SUBSTANCES. GUSTAV MOSEBACH, Nordhausen-on-the-Harz, Germany. Filed July 5, 1924. Serial No. 724,454, and in Germany Aug. 7, 1923. 2 Claims. (Cl. 92—20.)

1. An apparatus for recuperating the lye from disintegrated cellulose comprising in combination a vessel for the straw cellular substance coming from the boiler and for undiluted lye, means for heating said vessel, a stirring mechanism in said vessel comprising stationary and movable stirring rods, a screw press, a pipe for leading the mixture of cellulose and lye into said screw press, a tube through which the undiluted lye squeezed out of the cellulose flows off, a second vessel, a down pipe for conducting said cellulose with the remainder of lye to



said second vessel, means in said second vessel for disintegrating the cellulose material, means for heating said second vessel, a second screw press connected with said second vessel, means for adding water to the material which enters into the second screw press, an outflow pipe for the diluted lye squeezed out from the material by this second screw press, and an outflow for the material freed from lye.

1,587,346. VEHICLE BRAKE MECHANISM. MORRIS MOSKOWITZ, Upper Montclair, N. J.; Bankers Trust Company executor of said Morris Moskowitz, deceased. Filed Sept. 5, 1925. Serial No. 54,689. 10 Claims. (Cl. 188—204.)

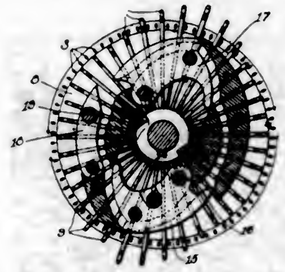


5. In a brake system for vehicles each wheel of which is provided with a brake mechanism, a self equalizing power transmission means comprising oppositely reciprocable push bars, each push bar having a transverse equalizer bar pivotally connected with its free end, brake actuating transmission means connected intermediate the respective free ends of said equalizer bars and the respective brake mechanisms, a toggle-joint lever means connected with and between said push bars, and means for actuating said toggle-joint lever means.

1,587,347. CAM MECHANISM FOR ROTARY KNITTING MACHINES. GILBERT MURPHY, Philadelphia, Pa., and WALTER A. SIMOND, Franklin, N. H., assignors to Acme Knitting Machine & Needle Company, Franklin, N. H., a Corporation of New Hampshire. Filed Mar. 1, 1923. Serial No. 621,995. 8 Claims. (Cl. 66—24.)

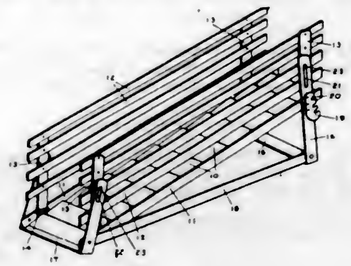
2. In a rotary knitting machine adapted to knit either plain, ribbed, or reciprocating work and to change automatically from one of said styles of knitting to the other, the combination of a cylinder, a dial, needles

mounted in said cylinder and dial, instrumentalities for operating said needles, said instrumentalities including a guard cam for limiting the upward movement of the cylinder needles while the dial needles cast off their



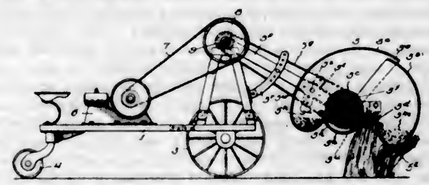
stitches, and mechanism for automatically moving said guard cam into its operative position for circular ribbed knitting and out of said position for reciprocating knitting.

1,587,348. FOLDABLE AND ADJUSTABLE HOG CHUTE. JOHN A. MYERS, Albion, Nebr. Filed Sept. 22, 1925. Serial No. 57,977. 7 Claims. (Cl. 119—82.)



1. In a foldable hog chute, a floor comprising a pair of angle iron side members positioned with inwardly projecting lower webs, and transverse slats secured at their ends to the lower webs of said angle iron side members, said slats being overlapping to provide a tread at the forward edge of each slat.

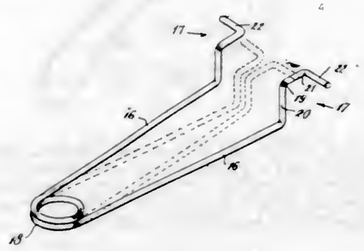
1,587,349. SEED-HARVESTING MACHINE. SPENCER OTIS, Chicago, and SPENCER OTIS, Jr., Barrington, Ill. Filed Mar. 12, 1921. Serial No. 451,781. 10 Claims. (Cl. 56—128.)



1. In a machine for harvesting seed from standing vegetation, a vehicle adapted to be propelled against the vegetation, a revoluble sweep supported on said vehicle in position to impinge against the seed-bearing portion of the vegetation and in an upward direction, and a hood on said vehicle forward of said sweep and having a substantially cylindrical under surface adapted to first depress the plants and then permit them to rise in front of the sweep.

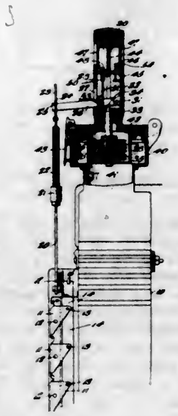
10. In a machine for harvesting seed from standing vegetation, a vehicle, a hood mounted on said vehicle, and a sweeper mounted in said hood; said hood being constructed of two relatively adjustable shells spaced apart below to provide between them a downwardly presented throat adjacent to the sweeper and a seed receiving chamber across the throat from the sweeper and spaced apart at a point above the sweeper to provide a vent.

1,587,350. OVEN-SHELF HANDLE. WILLIAM PARKE, New York, N. Y., assignor to William Parke, Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Feb. 25, 1926. Serial No. 90,454. 2 Claims. (Cl. 294—9.)



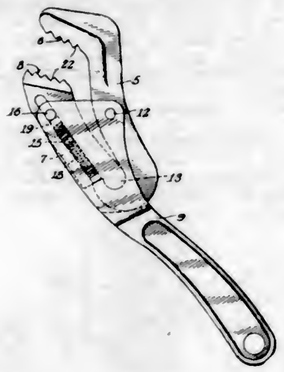
1. An oven shelf handle comprising a pair of coacting tong levers each having a jaw portion provided with a pocket on the underside and a laterally projecting prong therebeyond.

1,587,351. AUTOMATIC CONTROL MECHANISM FOR RADIATOR SHUTTERS. GEORGE E. PETERSEN, Bristol, Pa. Filed Mar. 3, 1925. Serial No. 12,988. 19 Claims. (Cl. 236—35.)



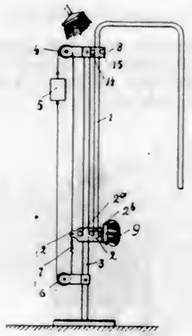
1. In a shutter control mechanism, the combination of an automobile radiator, shutters for controlling the air to said radiator, a thermostat in said radiator exposed to the temperature of the space above the engine cooling medium, means for operating said shutters, and means actuated by said thermostat extending through the filling opening of said radiator for controlling said operating means.

1,587,352. WRENCH. JOSEPH A. PETERSON, College Station, Tex. Filed June 9, 1925. Serial No. 35,842. 9 Claims. (Cl. 81—91.)



4. In a wrench, two jaws having complementary gripping faces, and a handle member, said jaws being movably connected together and both jaws being mounted on said handle member at points forwardly of the point at which said jaws are connected together.

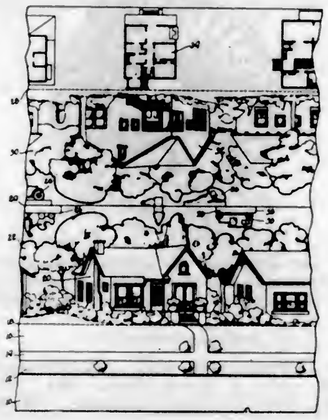
1,587,353. BRUSHING APPARATUS FOR WASHING THE HUMAN BODY. JOSEPH PFEUFER, Dudelingen, Luxemburg. Filed May 9, 1925, Serial No. 29,261, and in Luxemburg July 23, 1924. 2 Claims. (Cl. 4—158.)



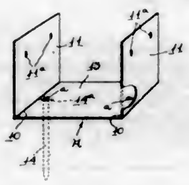
1. An apparatus for brushing the human body comprising in combination an upright, a tube in the shape of an inversed U serving as handle, a brush holder at the lower end of the inner arm of said tube said holder being movably guided on said upright, a horizontal guide piece at the upper end of said upright, two rollers in the front part of said horizontal guide piece between which rollers said tube is guided, two rollers in the rear part of said brush holder said rollers bearing from either side against said upright, and a brush removably fixed to the front end of said holder so that when said bent tube is moved up and down on said upright said brush is rubbed over the back of the person who operates said tube.

1,587,354. TOY. WILLIAM A. RADFORD, Chicago, Ill. Filed May 2, 1924. Serial No. 710,523. 2 Claims. (Cl. 46—37.)

1. A cut-out comprising two blanks placed back to back, said blanks having portions turned out at right angles to form a supporting base, a pictorial representation of a house on one blank and a pictorial house representation of the same house on the other blank, said house representations being of different contour and the edges of each blank bearing representations of foliage surrounding each house representation and masking the differences in contour of the house representations and providing registering edges about the two blanks of the cut-out.



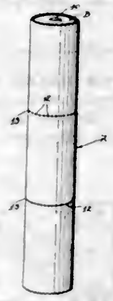
1,587,355. ANCHOR FOR SLEEPERS. HOLGER WILLIAM RAUN, St. Paul, Minn. Filed Feb. 14, 1923. Serial No. 619,019. 6 Claims. (Cl. 72—101.)



1. A device of the class described formed from a strip of sheet metal, the medial section thereof comprising a floor plate, the transverse sections adjacent said medial section comprising combined spacing and reinforcing members, the same being turned inwardly upon the margins of said plate, and the terminal sections of said strip comprising attaching flanges, said flanges being scored at their roots to permit of the ready bending thereof from overlapping relation on the floor plate into upright sleeper embracing positions, said medial and adjacent sections being formed with apertures registering to receive anchoring elements and said terminal sections being apertured to receive sleeper securing means.

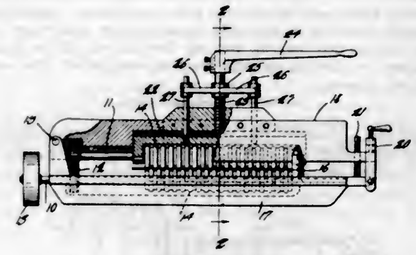
1,587,356. BATTERY. GEORGE H. RIEBETH, Minneapolis, Minn., assignor to French Battery Company, Madison, Wis., a Corporation of Wisconsin. Filed Oct. 29, 1921. Serial No. 511,420. 1 Claim. (Cl. 136—110.)

A battery including a plurality of cells and a tubular jacket containing said cells end to end, said jacket having internal annular ribs pressed therein between said cells, said ribs being weakened annularly to provide definite lines of severance in the jacket between the cells,



the ribs holding the cells in place within the unbroken jacket and the portions of said ribs on severed sections of the jacket holding the contained cells therein.

1,587,357. SAW-LEVELING MACHINE. WILLIAM ALLEN, Wilson, Miss., assignor of one-half to John E. Jones, Wilson, Miss. Filed Oct. 17, 1925. Serial No. 63,129. 3 Claims. (Cl. 153—54.)

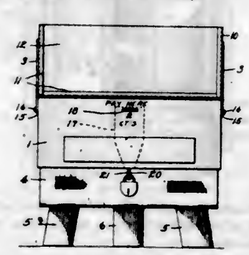


1. A device of the character described comprising a frame-like supporting structure including a stationary section, and a movable section pivoted at one end upon the stationary section and adapted to lie parallel therewith, a shaft journaled in each section with said shafts arranged one above the other, a series of spaced rolls carried by each shaft, with the rolls of one shaft arranged in staggered relation with the rolls of the other shaft, a yoke-like clamp for holding the respective sections of the supporting structure parallel, and means carried by the movable section for spacing the latter the desired distance from the stationary section for the purpose specified.

1,587,358. RAZOR-BLADE KNIFE. FRANK F. ARNOLD and CONRAD KESTEL, New York, N. Y. Filed Oct. 9, 1925. Serial No. 61,572. 2 Claims. (Cl. 30—25.)

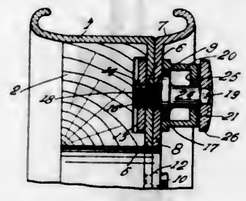
1. A razor blade knife, including a tubular handle and a blade holder consisting of a single member bent intermediate its ends and forming blade clamping plates adjacent the intermediate bent portion, the extremities of said member being curved transversely and adapted to fit within the tubular handle, said handle having openings in its opposite walls, and laterally offset portions on the blade holder adapted to spring into said openings and hold the parts coupled together.

1,587,359. SILENT SALESMAN RACK FOR NEWSPAPERS, MAGAZINES, ETC. ANGELO J. BARGAGNI, Washington, D. C. Filed Feb. 9, 1923. Serial No. 618,011. 7 Claims. (Cl. 211—14.)



1. A rack of the class described, comprising a rigid rear wall, a rigid front wall, swinging means connecting the tops of the said walls at each end thereof, and flexible material connecting the lowermost ends of the said walls and sagging beneath the same to form a trough, whereby when said trough is loaded the said walls will contact with and clamp the load.

1,587,360. DIVISIBLE RIM FOR VEHICLE WHEELS. JOHN CHARLES BARKER, London, England, assignor of one-half to Mary Louisa Simpson, London, England. Filed Mar. 21, 1924. Serial No. 700,878 and in Great Britain June 30, 1923. 1 Claim. (Cl. 152—21.)

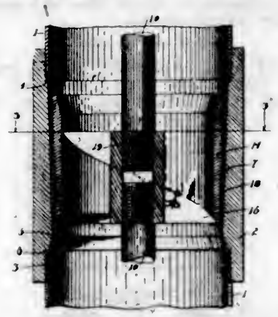


In a wheel rim comprising a pair of members separable in a plane at a right angle to the axis of the wheel and wherein each stud in a row of locking studs carried by one of said members engages the other member to secure said members together, means for preventing the bodily disengagement of the locking studs from the member by which they are carried, said means comprising a shoulder formed integrally with the shank of each locking stud intermediate the head and the point thereof and adapted to bear against the exposed outer face of the member by which it is carried, and a circular row of cup-shaped devices corresponding in number with that of the studs, each cup-shaped device secured to the said exposed outer face and imprisoning one of said shoulders and having an aperture in its bottom through which the head end of the stud projects, the sliding movement of each stud within the corresponding cup-shaped device being limited in one direction by engagement of the shoulder of the stud with the said exposed outer face and in the opposite direction by engagement of said shoulder with the bottom of said cup-shaped device.

1,587,361. PUMP. BRUCE R. BARTON, San Jose, Calif. Filed Dec. 10, 1925. Serial No. 74,552. 5 Claims. (Cl. 103—90.)

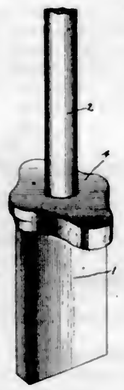
1. In a pump structure of the character described, a coupling insertable in a discharge casing column and provided with a conical inner surface, and an impeller op-

eratively mounted to rotate in said coupling, said impeller including an annular shell having a conical outer



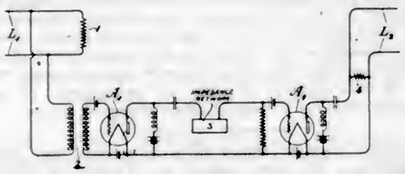
surface arranged in spaced and parallel relation to the conical surface of said coupling to permit the passage of water therebetween.

1,587,362. COMPOSITE-METAL ARTICLE. DAVID BASCH, Schenectady, N. Y., and GEORGE B. GERHART, Govanstown, Md., assignors to General Electric Company, a Corporation of New York. Filed Feb. 2, 1925. Serial No. 6,203. 4 Claims. (Cl. 22—20.)



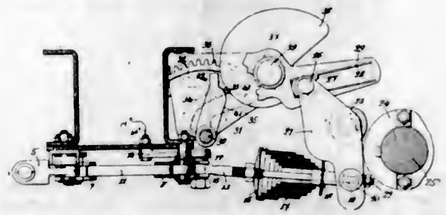
1. A composite metal article comprising a member of wrought cupreous metal, a member of cast cupreous metal and a bonding layer of alloy uniting said members.

1,587,363. ATTENUATION-CONTROLLING DEVICE. OTTO B. BLACKWELL, Flandome, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 25, 1919, Serial No. 333,281. Renewed Mar. 17, 1926. 4 Claims. (Cl. 178—44.)



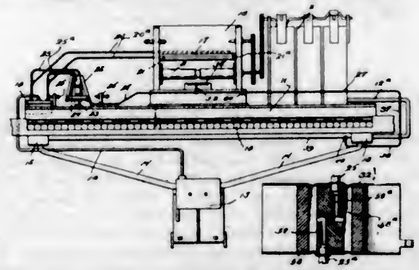
1. An outgoing transmission line whose impedance may vary under different conditions, a circuit associated therewith for impressing energy upon said line, means to interconnect said line and said circuit comprising a terminal impedance device, said device being so associated with said line and being so proportioned with respect to the line that the impedance of the combination consisting of the line and said impedance device as viewed from said circuit will not materially differ from the impedance of said device.

1,587,364. MOMENTUM BRAKE FOR RAILWAY VEHICLES. LOUIS BOIRAULT, Paris, France. Filed Oct. 2, 1922, Serial No. 591,887, and in France Nov. 19, 1921. 4 Claims. (Cl. 188—144.)



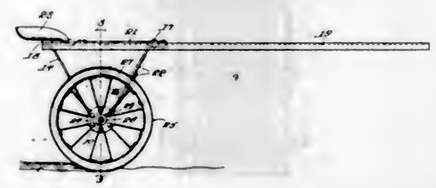
1. In a brake for railway vehicles employing the momentum of the vehicle and of the hand-operated type the combination of an actuating cam which is keyed to an axle of the vehicle, braking elements acting upon the vehicle wheels, a balance lever actuated by said cam and having one end pivoted to said braking elements, a controlling cam, operating means for causing this controlling cam to rotate, and guiding means secured to the vehicle frame and adapted to guide the second end of the balance lever in a direction substantially transverse to the latter, this second end of the balance lever being adapted to directly engage the said controlling cam and guiding means.

1,587,365. PLAYER PIANO. DANIEL BOONE and DANIEL SEVIER, Muskogee, Okla. Filed July 3, 1920. Serial No. 393,824. 1 Claim. (Cl. 84—130.)



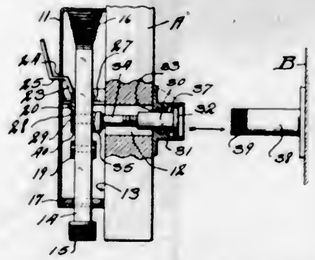
In a mechanical player piano, the combination with the motor and its speed governor, of a rod connected with the governor, a double bellows connected with said rod, a control valve device including two valves controlling passage of air through the respective members of the double bellows, and means for controlling said valves from a tracker by means of a perforated note sheet, said control valve device comprising a body formed with a large chamber having a tube connection with the bellows of the player, said body being formed with pairs of small chambers located at opposite sides of the large chamber, diaphragms covering one pair of small chambers, the body being formed with passages leading into the diaphragm covered chambers and connected with holes at the ends of the tracker, the body being further formed with passages establishing communication between the diaphragm covered chambers and the large chamber and being formed with other passages establishing communication between the other pair of small chambers and the atmosphere, the body being formed with holes establishing communication between said last named pair of chambers and the large chamber and formed with passages communicating with said holes and having tube communication with the respective sections of the double bellows, and a pair of valve members including stems slidable through said holes and bearing against said diaphragms, and further including pairs of disks for selectively cutting off communication between the large chamber and the holes or the last named small chambers and the holes.

1,587,366. TRUCK. ALBERT A. BORCHERT, Guadalupe, Tex. Filed Nov. 12, 1924. Serial No. 749,502. 1 Claim. (Cl. 280—63.)



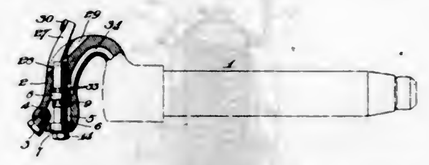
In a device of the character described, a frame including a horizontally disposed hollow member, a pair of spaced upstanding V-shaped side frames, U-bolts embracingly engaging said hollow member and secured to said V-shaped side frames, forward and rear cross bars secured to the upper ends of said V-shaped frames, longitudinally extending forwardly converging bars secured to the ends of said cross bars and constituting shafts, diagonal brace members secured to the forward cross bar at points laterally of the center thereof and connected with said longitudinal bars near the rear ends thereof, a seat mounted at the center of the rear cross bar, means mounted at the center of the forward cross bar for attachment of a single-tree thereto, an axle journally mounted through said hollow member and constrained against longitudinal movement with respect thereto, and ground engaging wheels having hub portions rotatably mounted upon said axle and bearing against the outer ends of said hollow member.

1,587,367. DOORCHECK. LOUIS A. BOANE, Milwaukee, Wis. Filed Mar. 7, 1925, Serial No. 13,896. Renewed Feb. 16, 1926. 7 Claims. (Cl. 292—173.)



1. In combination with a door, a floor-engaging plunger carried by one side thereof, means for urging the plunger in contact with the floor, a latch for holding the plunger raised, means engaged with the latch and extending beyond the opposite side of the door for releasing the latch from the plunger, an open-ended housing attached to the door but within which said means is disposed and by which said means is protected from accidental displacement, and a fixed member having a protuberant portion adapted to be received within said housing and engage said means to thereby release the door.

1,587,368. BALANCED VALVULAR-THROTTLE MECHANISM FOR PNEUMATIC HAMMERS. WILLIAM J. DEVLIN, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 655,837. 2 Claims. (Cl. 121—35.)



1. In a device of the character stated, the combination of a pneumatic tool handle, a bushing therefor extending transversely through the major portion of said handle and having a valve seat therein, inlet and outlet ports below and above said seat respectively, an upwardly seating valve, in said bushing having the bevelled valvular portion 19, a spring for normally pressing said valvular element upwardly against said seat, upper and lower radially disposed air channels formed in said valve of different depths said upper channels merging into said bevelled valvular portion, an intermediate main annular air channel between said upper and lower channels and in communication with the inlet ports of said bushing, whereby constant air pressure is admitted below said valve, a plunger and a pendant stem contacting with said valve, and means for actuating said plunger and valve in unison to unseat said valve.

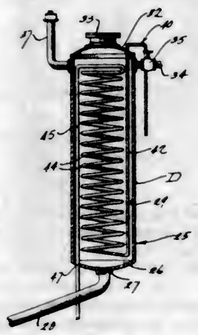
1,587,369. BROOM HANDLE. ALPHONSO FLOWERS, Jackson, Tenn. Filed Aug. 3, 1925. Serial No. 47,787. 2 Claims. (Cl. 15—246.)

1. The combination with a broom handle, of a cushioned grip mounted over the end of said handle and fixedly secured thereto, a second cushioned grip freely slidably mounted on said handle and an elastic band connecting said grips together, said elastic band normally retaining said slidable grip at a predetermined point.

1,587,370. APPARATUS FOR REFINING HYDROCARBON MATERIALS. FRANK M. FLOYD, Dallas, Tex. Filed May 19, 1922. Serial No. 562,135. 2 Claims. (Cl. 196—99.)

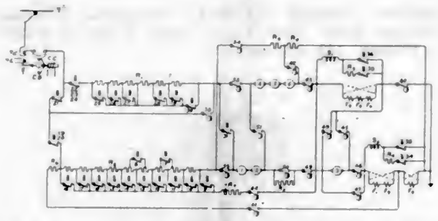
1. In an apparatus for refining hydrocarbon materials the combination of a still, means for supplying a hydrocarbon material to the still, a reflux condenser, means communicating the lower end of the reflux condenser with the still, a coil within the reflux condenser, an inlet conduit leading upwardly within the reflux condenser

from the bottom of the coil and exiting from the reflux condenser at the top thereof, and an exit conduit connected to the top of the coil and leading downwardly



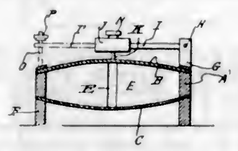
through the reflux condenser and exiting through the bottom of the reflux condenser and leading into said still and having an outlet adjacent the bottom of the still.

1,587,371. MOTOR-CONTROL SYSTEM. PETER W. FORSBERG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 30, 1926. Serial No. 85,007. 7 Claims. (Cl. 172—179.)



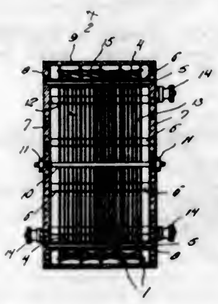
2. The combination with a plurality of electric motors adapted for motoring and regenerative braking operation, of a plurality of regulating resistors for the motors, a controller having a plurality of operating positions for interconnecting the motors with said resistors for motoring operation and for controlling said resistors to vary the operating speed of the motors, and an independently operable controller arranged to cooperate with said first controller to interconnect the motors in the braking relation with said resistors in circuit therewith and for separately controlling a portion of the said resistors to vary the braking current of the motors.

1,587,372. LOUD-SPEAKING TELEPHONE. SAMUEL MOISE FRANSÉS, Paris, France. Filed Jan. 23, 1923, Serial No. 614,497, and in France Nov. 21, 1922. 3 Claims. (Cl. 181—27.)



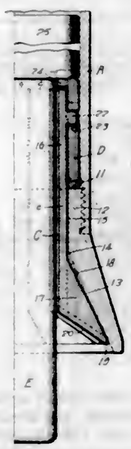
1. A loud speaking telephone, comprising a sound box having comparatively thick vertical end panels and thin upper and lower walls capable of vibrating, a telephone receiver, and adjustable means for supporting said receiver relative to and in contact with one of said thin walls to impart the vibration of the receiver to such wall.

1,587,373. RADIOFREQUENCY TRANSFORMER. CHARLES R. FRENCH, Newark, N. J. Filed June 18, 1925. Serial No. 38,016. 4 Claims. (Cl. 175—359.)



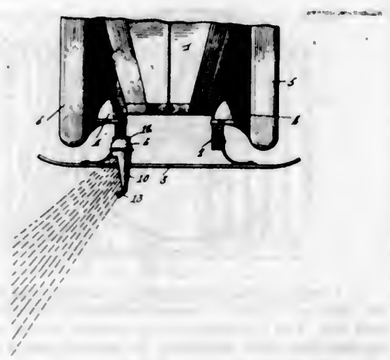
1. A transformer, comprising a coil supporting structure having a plurality of annular coil supporting members mounting one coil winding, spacing and holding means for positioning said members in predetermined spaced relation, a second coil mounted by said means, a sectional housing for said coil supporting structure removably mounting said means, and securing means for holding the housing in assembled relation.

1,587,374. BOTTLE-CROWNER HEAD. JOHN J. GAYNOR, Indianapolis, Ind., assignor to Common Sense Crowner Company, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 27, 1922. Serial No. 609,358. 21 Claims. (Cl. 226—86.)



1. A bottle crowner head, comprising a casing, a crown-wiping throat slidably mounted within the casing, and means for automatically contracting the throat actuated by the crown on the bottle, said throat comprising a plurality of crown-wiping segments, and means for compelling said segments to move uniformly.

1,587,375. DITCH LIGHT. LEONIDAS P. GIGNAC, Rock Island, Quebec, Canada. Filed July 27, 1925. Serial No. 46,405. 1 Claim. (Cl. 240—8.2.)



A ditch light comprising a housing, a lamp disposed therein, a conical reflecting hood secured to said housing and extending forwardly with respect to the lamp, said hood having a longitudinal slot in its wall, and a relatively short lip secured to the forward end of said hood, said lip being disposed at an obtuse angle to the wall of the hood.

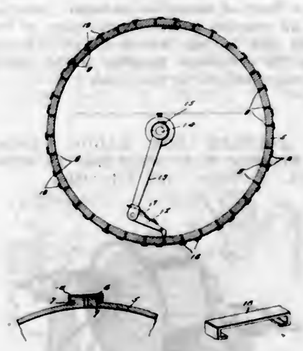
1,587,376. MOP HEAD. JOHN H. GILLIS, Gainesville, Tex. Filed July 29, 1925. Serial No. 46,870. 2 Claims. (Cl. 15—152.)

1. A mop holder including a handle, a binding wire pivotally connected to the handle and engageable with the mop, a tensioning lever pivoted to the handle, and a link connected to the tensioning lever and co-operable with the binding wire, said tensioning lever including spaced bars having a series of transversely aligned openings, said link having outwardly extending bearing portions selectively engageable in the openings.

1,587,377. SOLE FOR BOOTS AND SHOES. JAMES E. GROSJEAN, Lima, Ohio. Filed Aug. 15, 1925. Serial No. 50,443. 5 Claims. (Cl. 36—59.)

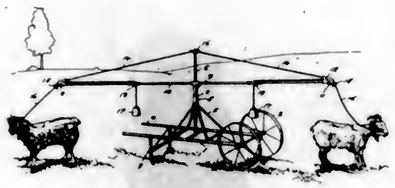
1. A sole for boots and shoes comprising strips composed of high-grade friction having unwoven threads or cords distributed therein, and intervening plies of woven fabric between said strips and acting to prevent stretching or bulging thereof.

1,587,378. FEEDER. THOMAS F. GROSSMAN, Brookville, Pa. Filed Jan. 3, 1925. Serial No. 405. 1 Claim. (Cl. 221—123.)



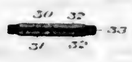
A device of the character described comprising a supporting base, a hollow shaft thereon, an elliptical shaped drum attached to one end of the shaft and having a plurality of circumferentially arranged perforations, a rib extending around the drum in alignment with the perforations, grooves on opposite sides of the rib, channel shaped gates embracing the rib and movable in said grooves, said gates adapted to be manually moved over the rib to open and close said perforations, said gates being frictionally retained against accidental movement and a spring pressed foot supported by the shaft having engagement with the perforated part of the drum to assure of passage through the perforations.

1,587,379. TETHER. ANDREW HALLUM, Whalam, Minn. Filed Aug. 11, 1924. Serial No. 731,462. 1 Claim. (Cl. 119—117.)



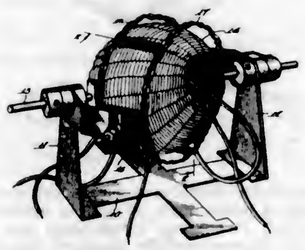
A tether of the character described comprising a wheel supported braced frame, handles formed thereon, an overhanging revolvable sweep carried by said frame, cables guided on the opposite ends of said sweep and adapted to be attached to animals to be tethered, means for taking up the slack of said cables, a stop for each of said cables and being operatively associated with the ends of said sweep, and said stop including sections having one of their ends interlocked and a bolt extending through the opposite ends of said sections and a nut on the bolt for clamping the stop to its respective cable.

1,587,380. MAGNETIC VALVE FOR ORGANS AND THE LIKE. JOHN H. HANKEY, Hagerstown, Md., assignor to The W. H. Reisner Mfg. Co., Inc., Hagerstown, Md., a Corporation of Maryland. Filed Apr. 17, 1925. Serial No. 23,889. 1 Claim. (Cl. 84—339.)



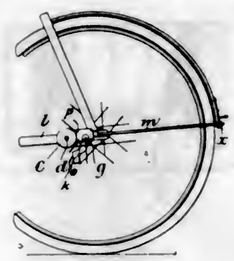
A valve disk for electric organ actions comprising an intermediate sheet of magnetic material, outer sheets of fabric, and an annulus embracing the edges of the superposed sheets and having lateral flanges overlying and compressing the peripheral margins of the fabric sheets below the outer surfaces of the latter.

1,587,381. COUPLER FOR RADIO. ANTHONY P. HINSKY, Brooklyn, N. Y. Filed June 25, 1925. Serial No. 39,615. 2 Claims. (Cl. 171—119.)



1. A coupler for radio circuits, which comprises a rotatable secondary coil, a primary winding having a portion fixed and surrounding the secondary, another portion of the primary movably disposed with the secondary and supported within the secondary, said movable portion of the primary being connected in series with the fixed portion of the primary.

1,587,382. STAND OR SUPPORT FOR MOTOR CYCLES AND OTHER CYCLES. ADRIAN NOEL KENDAL, Tidworth, England. Filed Nov. 6, 1924, Serial No. 748,135, and in Great Britain Dec. 27, 1923. 12 Claims. (Cl. 208—75.)

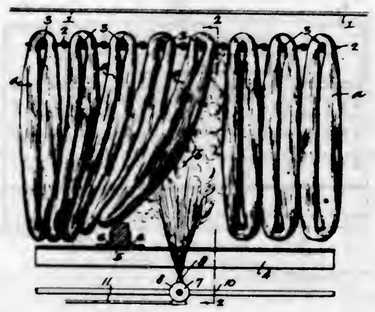


1. A cycle stand, comprising a disc, means for fixing the disc on a cycle, a support pivotally mounted on the said disc, and a locking device adapted to lock the stand on the disc when the stand is lowered and a wheel of the cycle is raised clear of the ground

1,587,383. CONVERTIBLE LADDER. CHARLES EDWARD KENNETT, South Melbourne, Victoria, Australia. Filed Apr. 27, 1925, Serial No. 26,266, and in Australia Sept. 22, 1924. 1 Claim. (Cl. 228—23.)

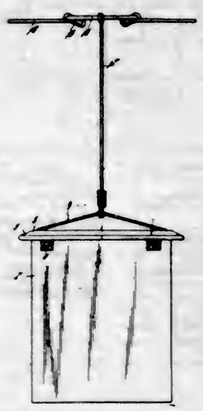
An improved convertible ladder, comprising independent ladder sections, hinged members carried by the sections and operative to permit the sections to be arranged in line to form an upright ladder or in angular relation to form a step ladder, said hinged members including a disc connected to each ladder section, with said discs arranged in contact and mounted for independent rotation, each of the discs being formed with openings adapted to register when the ladder sections are in position to form a long ladder, one of the discs being formed with an arcuate slot adapted to register with one of the openings in the other disc when the sections are in position to form a step ladder, and a pin engaging the cooperating openings in the discs to limit the relative movement of the discs, the cooperation of the pin with the opening in one disc and the slot in the other permitting a limited relative movement of the ladder sections when in step ladder relation to provide a range of angular adjustments of the ladder sections.

1,587,384. APPARATUS FOR CONDITIONING AND COOLING YARN. FREDERICK KERSHAW, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 13, 1925. Serial No. 36,974. 5 Claims. (Cl. 28—58.)



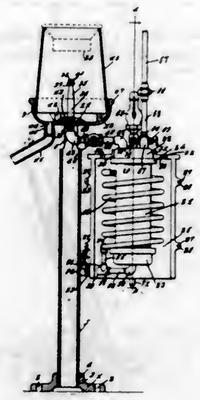
4. The combination in an apparatus for conditioning and cooling yarn, of a casing; conveyer chains at each side of the casing; transverse sticks mounted on the chains from which the hanks of yarn are suspended; a transverse retarding bar located in the path of the lower ends of the hanks of yarn so as to retard all of the hanks of yarn suspended from a single stick; and means for projecting sprays of fluid onto the sides of the yarn on each side of the opening formed by the retarded hanks of yarn.

1,587,385. HEATER AND DRIER. HOWARD LANPHIER, Sr., Ilion, N. Y. Filed Mar. 13, 1925. Serial No. 15,408. 1 Claim. (Cl. 34—26.)



In a clothes rack drier, the combination with a hollow base for engagement over a heat register and through which the heat passes, of a clothes rack having a base mounted upon the base member and being constructed of wire, a standard rising from the base of the rack, inner and outer rings supported on the upper end of the standard, clothes holding loop arms extending radially in opposite directions from the outer ring and movable to engage beneath the inner ring, and means for holding the rings concentrically in position, said means for mounting the arms on the outer ring consisting of angularly arranged loops through which the outer ring loosely engages, so that the inner ends of the loops may engage with the inner ring.

1,587,386. STERILIZING AND RINSING APPARATUS. CLAUDE LE ROY LEWIS, Omaha, Nebr., assignor of one-third to G. W. Street and one-third to John A. Walker, both of Omaha, Nebr. Filed June 9, 1925. Serial No. 35,949. 4 Claims. (Cl. 141—7.)



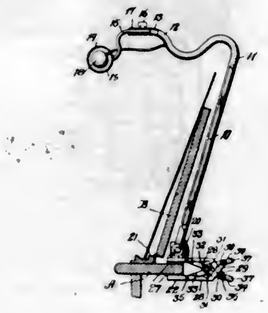
1. In an apparatus for the purpose set forth comprising a vertically disposed standard provided at its upper end with a pair of oppositely disposed arms each including a vertical and horizontal leg, a drain bowl mounted on and secured to said horizontally disposed legs and provided therein with integral, radially disposed spaced means for supporting the article to be acted on, a spray nozzle secured to the bottom of the bowl axially thereof and of a length to project above the bowl and depend below the bottom of the latter between the vertical legs of said arms, and a valve controlled hot water conducting line connected to said nozzle between said arms and including an operating lever for the valve thereof.

1,587,387. FURNITURE COVER. HARRY LICHTMAN, New York, N. Y., assignor to The Copartnership of Powers, Friend & Lichtman, New York, N. Y. Filed Jan. 8, 1926. Serial No. 80,106. 2 Claims. (Cl. 45—68.)

1. An ornamental form adapted for sale as an entirety embodying an embroidered table cover, an embroidered pocket formed thereon in simulation of an object and a folded and embroidered napkin adapted to

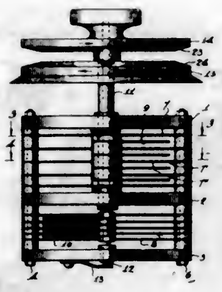
be inserted in said pocket, the embroidery on the pocket and on the exposed portion on the napkin and on the contiguous portion of the cover forming a complete ornamental design, and the napkin being removable from the pocket without destruction of the said ornamental design.

1,587,388. PIANO LAMP. JOSEPH LIEBERMAN, Bayonne, N. J. Filed Mar. 20, 1925. Serial No. 17,023. 4 Claims. (Cl. 240—4.)



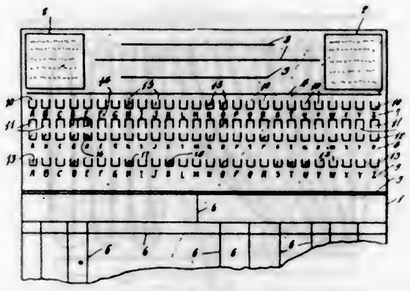
1. A piano lamp comprising a lamp housing, a supporting bracket therefor and means carried by the bracket for clamping the same to the piano cabinet cross rails, said housing having adjustable connection with the bracket and said bracket having adjustable connection with the clamping means, the said clamping means including a pair of clamping jaws and a connection between said jaws for effecting relative parallel movements of the same toward and away from each other, a socket mounted on one of the clamping jaws for receiving the plug of an extension cord, a lamp socket in the housing and an electric conductor concealed in the bracket and extending between the lamp socket and plug socket.

1,587,389. CONDENSER. OLOV GUSTAV LISSEN, Jersey City, N. J. Filed Mar. 13, 1924. Serial No. 699,098. 5 Claims. (Cl. 250—41.)



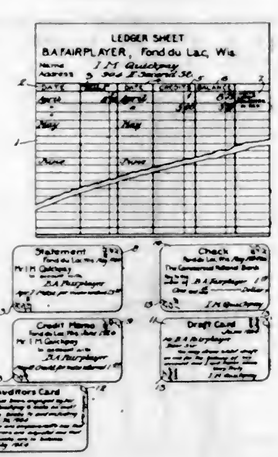
1. A condenser for radio apparatus, comprising a plurality of sets of condenser elements, each set of elements including a set of rotor plates, the various sets of condenser elements having different capacities, a shaft rigidly secured to each set of rotor plates, means for simultaneously moving said shafts in opposite directions for varying the effective condensing action of the apparatus, and means for locking said shafts together so that they will rotate together and vary the condensing action of the apparatus in proportion to the difference in condensing action of the various sets.

1,587,390. MAIL-ORDER BLANK FOR MAIL-ORDER HOUSES AND THE LIKE. MARTIN J. MCDONALD, Wakonda, S. Dak. Filed Jan. 28, 1926. Serial No. 84,394. 1 Claim. (Cl. 283—1.)



In a sheet of the character described, spaced rows of letters forming complete alphabets, and number receiving areas associated with each letter to receive numbers, the sequential arrangement of which in conjunction with the letters spells desired words.

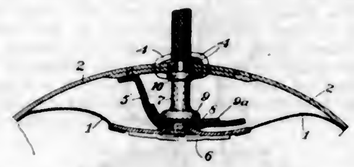
1,587,391. EDUCATIONAL GAME. OLIVER P. MCKEE, Fond du Lac, Wis. Filed Nov. 19, 1925. Serial No. 70,134. 5 Claims. (Cl. 273—13.)



1. An educational game comprising the combination of a ledger sheet bearing columnar indicia for debits and credits, and a balance between the same and playing cards bearing indicia of debits and credits and for settlement of the balance shown adapted to have the data of the indicia on the cards entered on the ledger sheet.

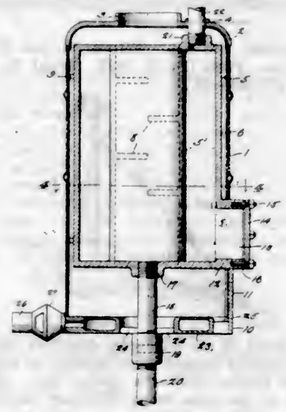
1,587,392. SPORT BALL. WILLIAM W. MACDONALD, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Aug. 27, 1925. Serial No. 52,786. 12 Claims. (Cl. 273—65.)

1. In a ball of the class described and in combination, an inflatable bladder, a cover member having an opening through which the bladder is inserted, means for closing said opening, said bladder having a filling tube adapted



to be automatically collapsed into doubled up condition between the inflated bladder and the cover, substantially as described.

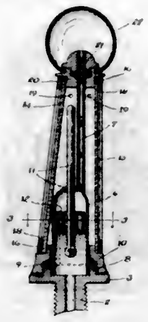
1,587,393. WATER HEATER. LOUIS MAJERCSIK, Barberton, Ohio. Filed Apr. 8, 1924. Serial No. 705,085. 1 Claim. (Cl. 122—115.)



A water heater including a jacket having a rectangular opening in one side entering from the bottom thereof, a ring on which the jacket is supported and having an upstanding flange entering and partly closing the opening in the jacket, a water drum in the jacket spaced therefrom and having an outwardly directed hollow boss on the lower portion thereof, provided with a water tight closure and received through the opening in the jacket and resting on the flange of the ring, said drum having a pair of spaced flues, extending longitudinally therethrough and which are elliptical in plan and provided with inwardly extending staggeredly related baffle plates, a water inlet pipe communicating with the bottom of the drum between the flues, a water outlet pipe between the top of the drum and the top of the jacket and lugs integrally formed on the drum contacting with the inner face of the jacket for holding the drum spaced from the jacket.

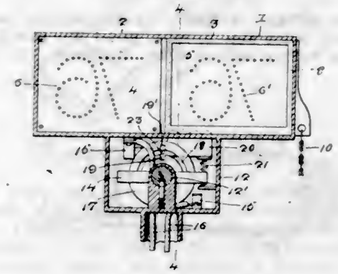
1,587,394. WATER GAUGE AND TEMPERATURE INDICATOR. FREDERICK A. MARSH, Columbus, Ohio. Filed Oct. 3, 1923. Serial No. 666,380. 2 Claims. (Cl. 116—114.)

2. The combination with a radiator cap, a casing mounted thereon, transparent panels in the front and rear of said casing, and a transparent tube of substantial internal diameter throughout its length in said casing extending from end to end thereof and normally having



connection with the water in the radiator, a float and thermometer concentrically mounted in said tube, and means for drawing water into the tube.

1,587,395. ANTITHEFT DEVICE. JOHN A. MARTIN, Manchester, N. H. Filed July 2, 1925. Serial No. 41,237. 3 Claims. (Cl. 200—42.)

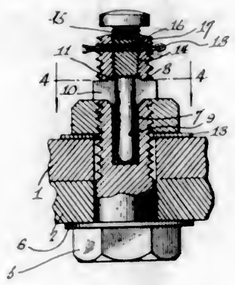


1. In combination with a lock and its key, means for preventing actuation of the lock by its key, a member for moving such means into inactive position to permit the lock to be actuated by its key, identification means on the vehicle, duplicate means on the member and a holder for the identification means and the member having windows therein.

1,587,396. COAL-MINING MACHINE. ARTHUR J. MASON, Chicago, Ill. Filed Oct. 25, 1922. Serial No. 596,758. 24 Claims. (Cl. 198—10.)

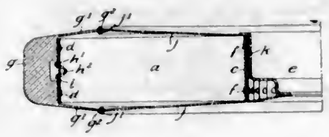
1. In combination, a movable conveyor having its front adjacent the floor level and means for advancing the same forward to introduce the front end thereof into a body of material to be moved, a thin edged shoe in front of the conveyor and inclined down to the floor level, and means for driving the shoe by successive blows underneath the material to make way for the advance of the conveyor.

1,587,397. SAFETY LOCK BOLT. MARIE JONCAS MÉNARD, La Tuque, Quebec, Canada. Filed Oct. 26, 1925. Serial No. 64,970. 1 Claim. (Cl. 151—27.)



A device of the character described comprising a bolt having an axial recess and slots in its wall, said slots extending to said recess, keys disposed in said slots, a spring disposed in said recess and bearing outwardly against said keys, a screw threaded into said recess above said keys and engaging the keys, and means for locking the screw in the recess.

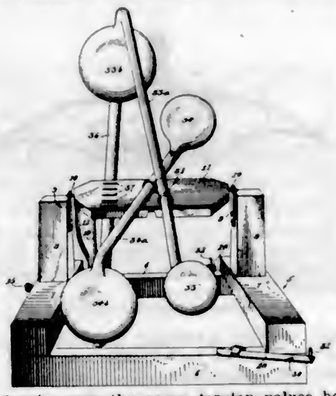
1,587,398. SPRING WHEEL. DENNIS MILNER, London, England. Filed Feb. 6, 1926, Serial No. 86,643, and in Great Britain Sept. 3, 1924. 2 Claims. (Cl. 152—29.)



1. A spring wheel comprising a series of rectilinear, spring-metal, spoke-forming blades, said blades being set across the plane of the wheel, and deflectable for substantially the whole of their length in the plane of the wheel, limbs secured to said blades at their inner and outer ends and angularly thereto, the limbs at the outer ends being coupled together to form a resilient outer felly with the end of one limb riveted to the beginning of the adjacent limb, and the limbs at the inner ends of the blades being superposed and riveted together to form a rigid inner rim adapted to be mounted on a vehicle hub, means for operatively securing a tire upon said elastic felly, and annular disc members mounted on the vehicle hub and arranged to shield the edges of said spoke-forming blades, grooved peripheries to said disc members, and side-flaps upon said tire, said side-flaps seated in the grooved peripheries of said disc members.

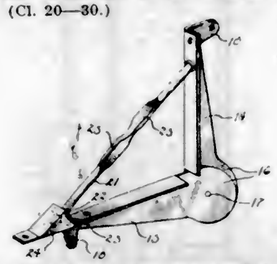
1,587,399. EDUCATIONAL APPLIANCE. GEORGE S. MOLER, Ithaca, N. Y. Filed July 10, 1924. Serial No. 725,213. 18 Claims. (Cl. 35—16.)

1. For educational or other purposes, the method of indicating various reactions produced by temperature changes, said method consisting in establishing an elongated closed chamber with a content of volatile liquid and its vapor, and producing transfer of liquid between definite intermediate portions of the chamber by concurrently subjecting the ends of the chamber to the action of external temperatures differing in value one from the



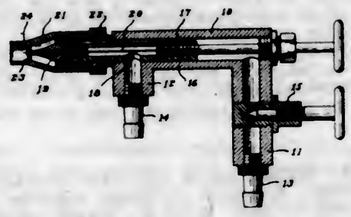
other to thereby vary the vapor tension values between the liquid and the content of the respective ends of the chamber.

1,587,400. DOOR BRACE. EMILE VICTOR MORREAU, Marshall, Tex. Filed Dec. 2, 1925. Serial No. 72,782. 2 Claims. (Cl. 20—30.)



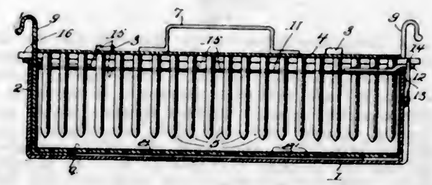
1. A door brace of the character described comprising companion angularly shaped arms secured to the hinged side rail and bottom rail of a screen door, the inner meeting ends of the arms being relatively enlarged and pivotally associated, an adjusting arm having one end swivelled within one of said angularly shaped arms, and means provided upon the end of the opposite companion arms and associated with the free end of the adjusting arm for raising and adjusting the bottom rail of the door to eliminate dragging incident to the sagging of the door.

1,587,401. OIL BURNER. GEORGE W. MYERS, Camden, N. J., assignor to G. W. Myers Fuel Oil Burner Co., Incorporated, Camden, N. J., a Corporation of Delaware. Filed Feb. 10, 1923. Serial No. 618,340. 1 Claim. (Cl. 158—75.)



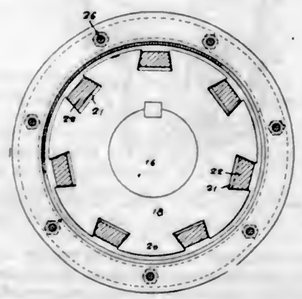
An oil burner of the character described comprising a bored body portion, bored legs depending therefrom to supply fuel and steam respectively to the burner, an inner shell mounted for longitudinal adjustment in the body and communicating with the fuel supply leg, a nozzle detachably secured to the discharge end of the inner shell, an outer nozzle detachably secured to the body and surrounding the inner nozzle, a diaphragm extending across the bore of the outer nozzle and being provided with a centrally disposed opening through which passes the eyed end of the inner nozzle, valve means adjustable simultaneous with the inner shell but movable in a direction opposite the shell for controlling the eyed end, and valve means for controlling the supply of steam to the bored body portion.

1,587,402. MOLD. CHARLES O. NICHOLAS, Richmond, Va. Filed Apr. 6, 1925. Serial No. 21,186. 1 Claim. (Cl. 107—1.)



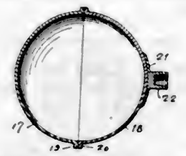
A device of the class described comprising a receptacle, a tray adapted to be placed in the same and to receive the material to be frozen, said tray having grooves in its botton which are arranged at right angles to each other to divide the bottom into squares, a top plate having perforations therein, each perforation being arranged over a square when the plate is in position, means for removably holding the plate in the receptacle, a cover plate for the receptacle, and depending pins thereon passing through the perforations into the material on the tray for forming holes in said material.

1,587,403. FLEXIBLE COUPLING. HARRY S. NICHOLSON, Wilkes-Barre, Pa., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Aug. 3, 1925. Serial No. 47,846. 2 Claims. (Cl. 64—91.)



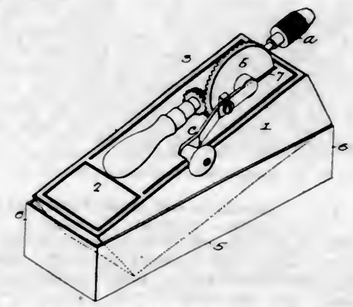
1. A coupling device comprising substantially co-axial driving and driven members recessed to afford substantially aligned channels, and coupling blocks loosely fitting in said channels, said blocks having an outward movement under the influence of centrifugal force, and said channels and blocks having complementary bevelled engaging faces to effect the inward displacement of the blocks under the thrust of load, whereby chattering of the blocks in the channels incident to variation in load is eliminated.

1,587,404. FLOAT BALL. SAMUEL T. NICHOLSON, Wilkes-Barre, Pa., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1925. Serial No. 23,629. 3 Claims. (Cl. 137—104.)



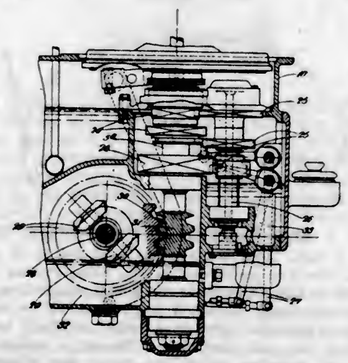
1. As a new article of manufacture, a high pressure float comprising complementary uninterrupted cupped sheet metal members with peripherally complete marginal flanges welded together, a spud having a foot piece exteriorly welded to the crown of one of the cupped members, said cupped members and spud being tempered for strength and surface treated to prevent corrosion.

1,587,405. DISPLAY BOX. JOHN S. NORTH, Philadelphia, Pa., assignor to North Bros.' M'f'g. Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 29, 1924. Serial No. 709,860. 2 Claims. (Cl. 206—44.)



1. A display box having a body portion provided with a bottom; a slot at one end of the bottom for the passage of a portion of a tool to be displayed; and a closure pivoted to one side of the slot and arranged to close the slot when a tool is packed in the box.

1,587,406. INTERNAL-COMBUSTION ENGINE FOR MOTOR VEHICLES. OLIVER DANSON NORTH, London, England. Filed Mar. 20, 1923, Serial No. 626,389, and in Great Britain Mar. 30, 1922. 2 Claims. (Cl. 74—57.)



1. A power unit for installation between the wheels of a conventional type of motor vehicle, comprising an engine having horizontally arranged cylinders and a ver-

tically disposed crank shaft, a casing secured against the under side of the engine, a change speed transmission in said casing, and a differential gearing in said casing, said transmission and differential gearing connected to said engine for driving the adjacent wheels of a motor vehicle.

1,587,407. WRENCH. JAMES DENNIS O'BRIEN, Brooklyn, N. Y. Filed May 19, 1925. Serial No. 31,359. 2 Claims. (Cl. 81—112.)

1. A wrench comprising a pair of jaw members each including a shank having an outer longitudinally inclined wall adjacent one terminal, a notch in the confronting faces of the opposite terminals, said notch having a longitudinally inclined wall, offset clamping jaws at the first-mentioned terminals, a spring adjacent said first-mentioned terminals for effecting normal relative separation of the clamping jaws, a loose connection between the opposite terminals, a tubular handle telescopically associated with the shanks, a relatively wide tapering bearing member engageable with the longitudinally inclined outer side walls, and a transverse shaft engageable with the inclined walls of the notch, whereby upon relative longitudinal movements of the shanks and handle a doubly guided movement of the jaws toward and away from each other is effected.

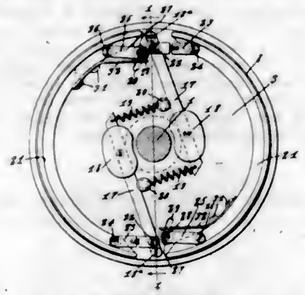
1,587,408. PROCESS FOR REMOVING SULPHUR FROM VULCANIZED RUBBER. LELAND L. ODOM, Memphis, Tenn., assignor of one-third to E. M. Ellis, Memphis, Tenn., and one-third to J. D. Reynolds, Camden, Ark. Filed Jan. 7, 1925. Serial No. 1,101. 2 Claims. (Cl. 260—171.)

2. A process for the treatment of material containing vulcanized rubber, comprising distilling said material through a substance having a stronger affinity for sulphur than the rubber of the material, said substance being under heat.

1,587,409. RADIO HEAD SET. ARTHUR J. OUILLETTE, Cascade, N. H. Filed Jan. 20, 1926. Serial No. 82,486. 3 Claims. (Cl. 179—156.)

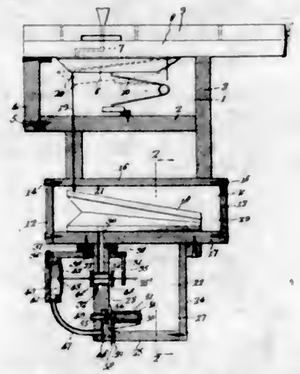
1. In a supporting means for the receiver carrying rod of a radio head set wherein said rod is of general circular shape in cross section but being formed with a flattened surface throughout its length, supporting means for the rod rigidly attached to the end of the head set band, said support including a barrel rotatable and slidable upon the rod, said barrel having a socket in its upper end, a collar within the socket and slidable but non-turnable upon the rod, and complementary construction between the barrel and collar for limiting the turning movement of the collar within the barrel socket.

1,587,410. CLUTCH DEVICE. NELSON J. PEPIN, Lowell, Mass. Filed Feb. 14, 1925. Serial No. 9,213. 5 Claims. (Cl. 192—105.)



1. A clutch mechanism of the character and for the purpose set forth, comprising an annular plate adapted to be mounted to freely revolve, a drum bearing against the face of said plate and adapted to be keyed to a power transmitting shaft, friction elements within said drum and mounted upon said plate, centrifugally actuated means mounted upon said plate and controlling said elements to cause the same to move to engaging position with the said drum, and means whereby said friction elements will be caused to move both circumferentially and radially to cause the entire friction surface of the elements to contact with the drum simultaneously.

1,587,411. ELECTROPNEUMATIC PIPE-ORGAN ACTION. ROY R. PERRY, Mobile, Ala., assignor to Lottie T. Le Gear, Mobile, Ala. Filed Jan. 26, 1923. Serial No. 615,089. 2 Claims. (Cl. 84—338.)

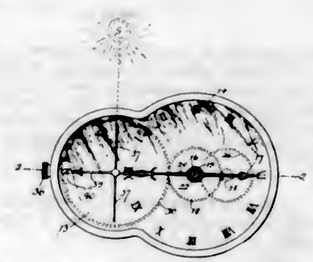


2. An electro-pneumatic organ action comprising in combination with a pneumatic chest having pneumatics therein, a valve chest having a removable valve board at the front thereof, said valve board having an air passage therein for communication with a pneumatic in the pneumatic chest and opening through one side of the valve board into the valve chest and through the other side of the valve board into the atmosphere, a duplex valve mounted on the valve board for alternately closing said air passage at opposite sides of the valve board and having a stem, a pouch board brace mounted on the valve board, a pouch mounted on the brace and connected to said duplex valve stem, said valve board having a second air passage therein opening through the opposite side thereof and communicating with the pouch, and an electro-magnetic valve carried by the valve board for controlling said second air passage to inflate and exhaust the pouch and operate the duplex valve.

1,587,412. BROOM. DANIEL M. PIPER, Sullivan, Ill., assignor of one-third to Homer C. Shirey, Sullivan, Ill. Filed Apr. 10, 1925. Serial No. 22,160. 2 Claims. (Cl. 15—171.)

1. In a broom, the combination with a head having a core extending therefrom, a tubular member extending from and secured to the core, means for securing one end of a handle within the tubular member, an apron removably positioned over the tubular member and upper portion of the head and enclosing the handle securing means and means to hold the apron in position.

1,587,413. TIME-INDICATING DEVICE. JOHN POND, Summerside, Prince Edward Island, Canada. Filed Dec. 3, 1924. Serial No. 753,693. 4 Claims. (Cl. 33—62.)

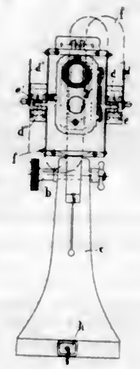


1. A time determining device including a clock dial, clock hands associated and adapted to cooperate therewith to denote time readings, manipulating means connected with said hands for actuating the same and finder means connected with the actuating means adapted to be positioned in a predetermined manner relative to the sun whereby to dispose the clock hands relative to the dial to indicate the time.

1,587,414. COATED BUTTER. WILLIAM HART POND, New York, N. Y., assignor of one-half to Levis W. Minford, 2d, Scarsdale, N. Y. Filed Sept. 17, 1925. Serial No. 56,999. 4 Claims. (Cl. 99—8.)

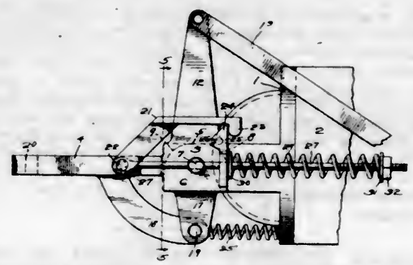
3. An article of food, comprising an edible body, and an edible invisible coating therefor consisting of fine particles of hydrogenated cocoanut oil embedded in the surface of the body.

1,587,415. MOTION-PICTURE PROJECTING APPARATUS. ERNEST LOUIS VICTOR RÉBILLON, Montesson, and RENÉ ADAM, Paris, France. Filed Oct. 22, 1923, Serial No. 670,098, and in France Dec. 30, 1922. 3 Claims. (Cl. 88—17.)



1. Motion picture projecting apparatus, comprising a casing; a feeding reel and a receiving reel for the film mounted externally of the casing at opposite sides thereof, each reel consisting of a cylindrical core which is disposed in close proximity to the adjacent side wall of the casing so that such wall serves as a flange at the inner side of the core to prevent displacement of the film from the core in an inward direction; driving rollers mounted at opposite sides of the casting for engagement with the film; and mechanism within the casing for driving said rollers.

1,587,416. TRACTOR HITCH. HAROLD L. REED, New Haven, Conn., assignor of one-half to H. S. Allis, New Haven, Conn. Filed Apr. 12, 1923. Serial No. 631,658. 4 Claims. (Cl. 280—33.16.)

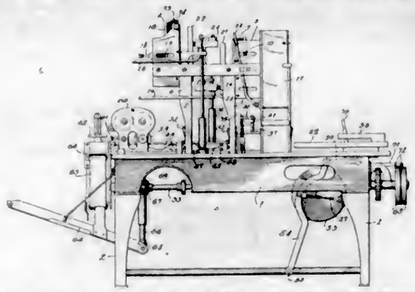


1. A tractor hitch comprising base, intermediate and draft castings, a pivot pin connecting the main and intermediate castings, a pivot pin connecting the intermediate and draft castings and eccentric to the first said pin, latch members carried by the draft casting, pivotal pawls carried by the intermediate casting and engaged by the latch members, and spring actuated connections between the draft and intermediate castings and pawls.

1,587,417. CIGARETTE AND CIGAR WRAPPING MACHINE. EDUARDO ROJO Y REYES, Habana, Cuba, assignor to Havana Commercial Co., New York, N. Y., a Corporation of New Jersey. Filed June 8, 1925, Serial No. 35,593, and in Cuba Jan. 24, 1925. 5 Claims. (Cl. 271—30.)

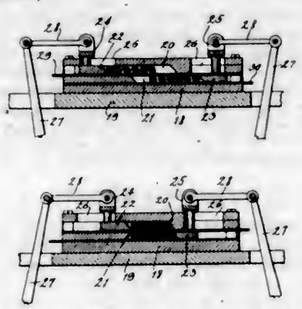
1. In a wrapping machine, a magazine for holding wrappers in edgewise relation, the magazine having an

open side, and holding teeth at opposite edges of the open side spring biased toward the wrapper edges, and a spring



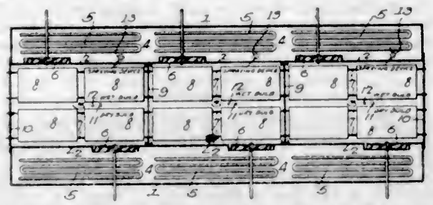
urged follower in the magazine pressing the wrappers toward the teeth.

1,587,418. CIGARETTE AND CIGAR WRAPPING MACHINE. EDUARDO ROJO Y REYES, Habana, Cuba, assignor to Havana Commercial Co., New York, N. Y., a Corporation of New Jersey. Filed June 8, 1925, Serial No. 35,594, and in Cuba Jan. 24, 1925. 5 Claims. (Cl. 226—5.)



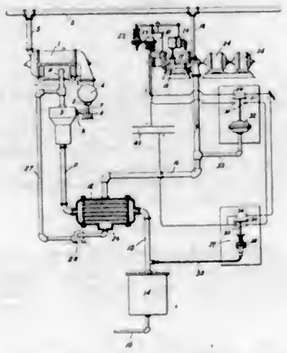
1. A machine for assembling articles of a similar shape and size, such as cigars and cigarettes, into masses of superposed layers, including a plurality of sets of open troughs, each of a size to receive a single article, means for supplying articles to the troughs, means to simultaneously eject all of the articles from the troughs, means for receiving the ejected articles of each set, for compacting the articles, and for moving the sets laterally, with one set above the other, and means through which the articles are ejected from the trough for imparting angular movement to the articles as they move therethrough.

1,587,419. PROCESS OF DRYING CLAYS AND SIMILAR MATERIALS. THOMAS H. RHOADS, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 21, 1921. Serial No. 479,367. 6 Claims. (Cl. 34—24.)



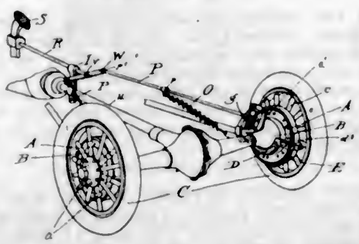
1. The method of drying ceramic articles, which consists of introducing the articles, in a wet condition, into a drying compartment; raising the wet bulb temperature of the compartment to a point close to the wet bulb temperature of the article; gradually drying the article by increasing the dry bulb temperature; then reducing the dry bulb temperature and the wet bulb temperature approximately to the dew point, to permit a flow of moisture from the interior of the article to the slightly drier surface thereof and a uniform temperature of the article throughout its bulk to ensue; then progressively increasing and maintaining the wet bulb temperature of the air to and at a point slightly in excess of the article wet bulb temperature and increasing the dry bulb temperature of the air slightly in excess of the wet bulb temperature thereof, until the desired degree of dryness of the article is obtained.

1,587,420. TURBINE INSTALLATION. ERNEST L. RICHARDSON, Melrose Highlands, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 6, 1924. Serial No. 697,402. 7 Claims. (Cl. 60—94.)



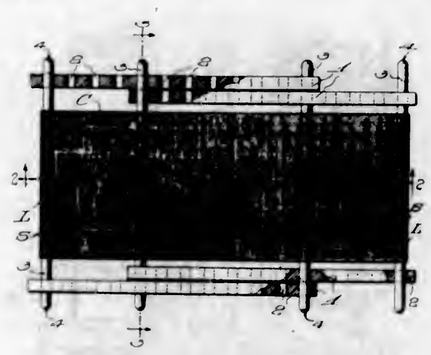
1. In an apparatus of the character described, the combination of a heater, means for supplying liquid thereto to be heated, means for supplying heating elastic fluid thereto, and means responsive to the pressure of the heating elastic fluid and the temperature of the liquid leaving the heater for controlling the supply of heating elastic fluid.

1,587,421. ATTACHABLE VEHICLE BRAKE. ELMER R. RITTER, Cincinnati, Ohio. Filed Apr. 5, 1924. Serial No. 704,381. 5 Claims. (Cl. 188—77.)



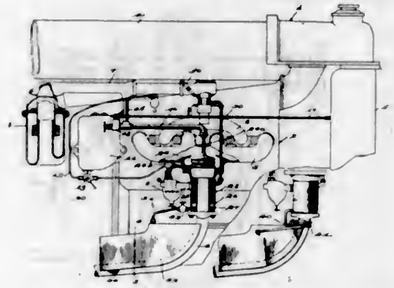
1. In an attachable brake for an automobile; the combination of a brake drum, means for securing said drum to a wheel of said automobile, operating means for exerting braking pressure on said drum, a principal bearing to which said operating means is secured, a support for part of said operating means secured to the axle housing, a bracket secured to the radius rod acting as a support for another part of said operating means, and a bar acting as a locating member for said bracket and as a spacer between said bracket and the principal bearing of said braking means.

1,587,422. CURTAIN STRETCHER. SOPHIA A. ROSE, Elm Creek, Nebr. Filed Mar. 2, 1925. Serial No. 12,640. 1 Claim. (Cl. 45—24.)



A curtain stretcher having parallel side members and cross rods, each of said members comprising an inner and an outer bar arranged in overlapped relation and each of said bars having apertures therein, the apertures in each of said bars being equally spaced whereby they are adapted to register, the said rods being disposed in parallelism between said members at and intermediate the ends thereof, the ends of said rods being positioned in said apertures and some of said rods engaging all of said bars.

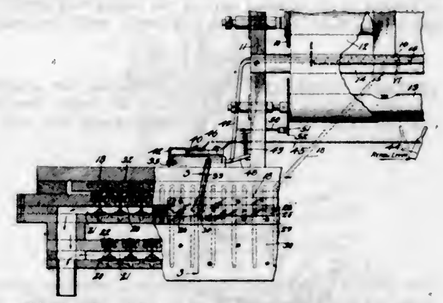
1,587,423. CHARGE FORMING DEVICE. BLAHOSLAV JOHN RYBIN, Bridger, Mont., assignor of one-fourth to Clement J. Baldwin, Bridger, Mont. Filed May 12, 1925. Serial No. 29,817. 8 Claims. (Cl. 123—25.)



1. In a charge forming device for use with internal combustion engines having a carburetor, means for mixing a supply of air and water, means for heating said mixture to highly heat the air thereof and convert the water thereof into steam, means for conveying the heated air and steam to the contact space of the carburetor to partially vaporize and entrain the fuel, a retort connected with the carburetor and designed to vaporize the volatile content of the oil and complete the formation of the combustible mixture, and means for conveying the combustible mixture to the engine.

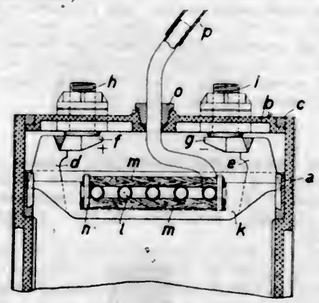
1,587,424. AUTOMATIC CLEANER AND BRAKE FOR PLAYER ACTIONS. JOHN T. RYDBERG, Harrison, N. J., assignor, by direct and mesne assignments, to Supreme Player Action Corporation, a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,441. 15 Claims. (Cl. 84—64.)

1. In a piano cleaning mechanism, a trackerbar and air passage therefrom to a pouch box, winding rolls for a music sheet cooperating with said bar, a normally inactive cleaning duct independent of said passage to the trackerbar and communicating therewith at said box, and means



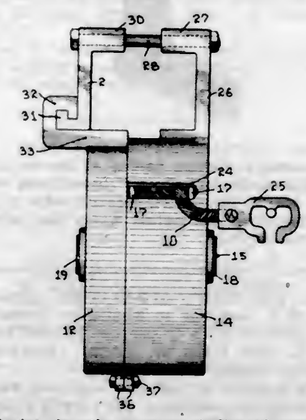
operable in the change of winding direction of the rolls to apply air tension to the cleaning duct.

1,587,425. COOLING ACCUMULATOR CELL. OTTO SCHEPP, Tokyo, Japan. Filed Sept. 11, 1925, Serial No. 55,833, and in Germany June 18, 1923. 3 Claims. (Cl. 136—159.)



1. An accumulator cell having a box, electrolyte in said box, accumulator plates hanging in said electrolyte, a cooling coil situated within said electrolyte above said plates, and means for supplying a cooling medium to said coil.

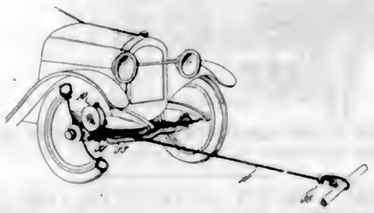
1,587,426. TOWLINE. WILLIAM SCHWIER, Los Angeles, Calif., assignor of one-half to Lee B. Coats, Los Angeles, Calif. Filed Mar. 19, 1925. Serial No. 16,757. 5 Claims. (Cl. 280—33.14.)



1. A device for the purpose indicated comprising a spring-actuated reel and a tow line wound thereon, a casing housing the reel, and a clamp carried by the

casing for securing the same to a part of a vehicle, said clamp consisting of complemental members of which one is formed as an integral part of the casing and the other has a detachable interlocking connection with the casing.

1,587,427. TOWLINE. WILLIAM SCHWIER, Los Angeles, Calif., assignor of one-half to Lee B. Coats, Los Angeles, Calif. Filed July 6, 1925. Serial No. 41,647. 5 Claims. (Cl. 280—33.14.)



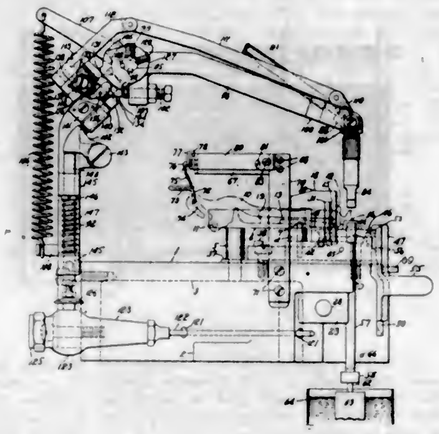
1. A towing device comprising a spring-actuated drum, a towing cable reeled thereon, and a connector anchoring the cable at the axis of the drum and independent thereof but rotating with the drum, the connector having a socket for the reception of the extremity of the cable and said socket having a bore of conical shape with the larger diameter at the inner end.

1,587,428. SEAMLESS STOCKING. ROBERT W. SCOTT, Babylon, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of Massachusetts. Filed July 17, 1923. Serial No. 652,070. 2 Claims. (Cl. 66—179.)

1. A seamless stocking having at the back above the heel a high splice formed of a re-enforcing thread, the stocking having sutures at opposite sides in the same courses with the high splice, which has selvage edges back of the sutures.

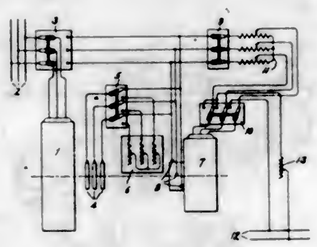
1,587,429. SOLDERING APPARATUS. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 23, 1918, Serial No. 255,307. Renewed Nov. 22, 1922. 57 Claims. (Cl. 113—59.)

3. In a machine of the class described, the combination of means for positioning and holding a type bar segment in place, and means for positioning and holding any one of a set of loose type matrices, the last said means including devices for accurately positioning an individual loose matrix and including also a readily releasable device for holding said matrix in place against



said positioning devices, whereby any one of a set of loose matrices may be quickly and accurately positioned and held in the machine.

1,587,430. BRAKING SYSTEM. WALTER SEIZ, Baden, Switzerland, assignor to General Electric Company, a Corporation of New York. Filed July 29, 1924, Serial No. 728,972, and in Germany Oct. 30, 1923. 3 Claims. (Cl. 172—274.)

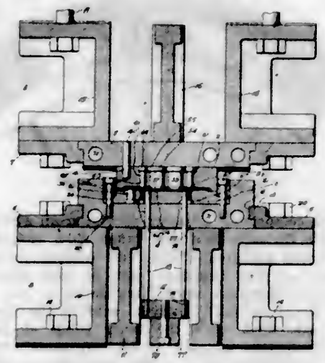


3. The method of controlling the speed of an induction machine by means of a commutator machine which consists in connecting said machines in cascade for normal induction motor operation, and altering the connections, and operating said commutator machine as a direct current generator so as to supply direct current excitation to said induction machine for braking purposes.

1,587,431. MOLDING MACHINE. LAWRENCE S. SEYBOLD, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Jan. 28, 1925. Serial No. 5,375. 14 Claims. (Cl. 18—16.)

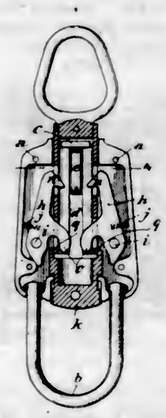
1. A molding machine including upper and lower attachment frames, the lower attachment frame being provided between its sides with spaced frame members, upper and lower radiators carried by the attachment frames, an upper punch member secured to the upper radiator, a lower die member mounted upon the lower radiator and a vertically movable stripping plate mov-

able in the opposite direction to the lower attaching frame operating in the space between the frame members of the lower attachment frame and contained



within the latter and having knock-out rods passing through the lower radiator and the dye element for removing the molded material from the latter.

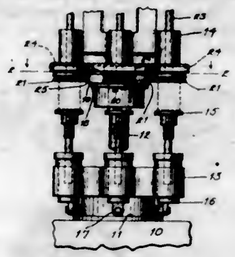
1,587,432. SYSTEM OF PADLOCKS. JOAQUIN SIRVEN, Buenos Aires, Argentina. Filed May 3, 1924. Serial No. 710,746. 4 Claims. (Cl. 194—59.)



2. In a coin controlled padlock, a casing having a coin slot, a removable bolt, bolt locking members movably mounted in the casing, and a slidable coin carrying member mounted in the casing below the coin slot and adapted to move the coin out of register with the coin slot and into engagement with the bolt locking members to release the bolt, the said coin carrying member being adapted to be moved to normal position by the bolt to permit the removal of the coin.

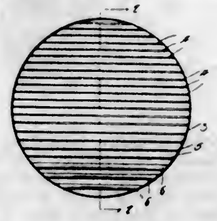
1,587,433. ADJUSTABLE CURLING DIE. HARRY K. SMITH, Baltimore, Md., assignor to Atlantic Can Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 16, 1922. Serial No. 601,205. 10 Claims. (Cl. 113—23.)

1. In a seaming machine for cans having a body and a top, comprising means for holding and revolving said body and top, the combination with a die for rolling together the edges of said body and top, of a cam for



moving said die transversely to said body to press said die against said edges, and adjustable means for varying the pressure of said die upon said edges.

1,587,434. ANTIGLARE HEADLIGHT. HOWARD L. SMITH, Clarksville, Tenn. Filed July 2, 1925. Serial No. 41,186. 3 Claims. (Cl. 240—48.4.)



1. Means for directing the rays of light of a headlight, the same comprising a plurality of planes disposed in spaced vertical lines and inclined forwardly and downwardly, the one in advance of the other and the planes of one line having an approximate staggered arrangement to the planes of the adjacent lines.

1,587,435. BLUISH-GREEN DYESTUFFS AND COLOR LAKES THEREFROM AND PROCESS OF MAKING SAME. OTTO STAEHLIN, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 18, 1924, Serial No. 756,825, and in Germany Dec. 24, 1923. 8 Claims. (Cl. 260—129.)

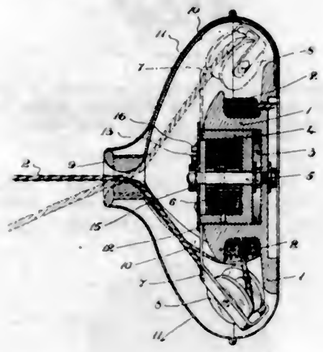
1. Process of producing bluish green dyestuffs which comprises treating a halogenated 1.5-naphthylenediamine sulfonic acid with a soluble ferric salt.

1,587,436. LINE AND SURFACE LEVEL. ERNEST A. STEVENS, Newton Falls, Ohio; Alvin W. Hart, administrator of said Stevens, deceased, assignor to Ernest A. Stevens, jr., Newton Falls, Ohio. Filed Oct. 14, 1922. Serial No. 594,618. 5 Claims. (Cl. 33—207.)

1. A level of the character described, comprising a casing, a glass tube carried by said casing filled with a liquid and provided with a bubble, a supporting hook arranged at each end of said casing, and a resilient locking member co-acting with each hook comprising a

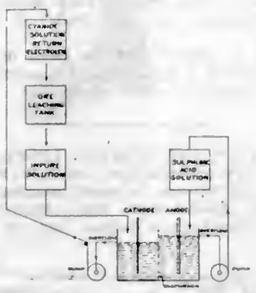
body formed with a rivet receiving aperture and an extension bent so as to conform to the curvature of said casing, said extension being formed with a resilient tongue having one end normally resting against said hook for closing the hook.

1,587,437. CABLE, CORD, AND LIKE WINDING OR ABSORBING DEVICE. WILSON HENRY STURGE, Birmingham, England. Filed July 3, 1925, Serial No. 41,368, and in Great Britain July 10, 1924. 3 Claims. (Cl. 242—107.)



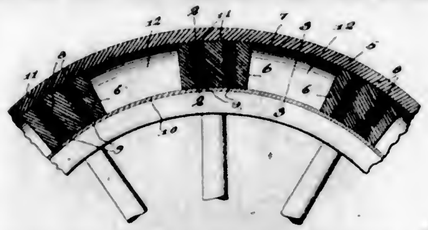
1. A cable-winding device comprising a fixed drum adapted to be secured to a support, a spring-actuated rotatable member coaxial with the fixed drum, a revolving cable guiding and winding device carried by said member and adapted to wind the cable around the fixed drum, and a stationary member enclosing the fixed drum and cable guiding and winding device, said stationary member being provided at its outer end with a central cable-guide eye in alignment with the axis of the drum and through which the cable proceeds before passing over the revolving guiding and winding device to the fixed drum.

1,587,438. ELECTROLYTIC RECOVERY OF METALS FROM SOLUTIONS. URLYN C. TAINTON, Johannesburg, Transvaal, South Africa. Filed Jan. 31, 1923. Serial No. 616,167. 9 Claims. (Cl. 204—1.)



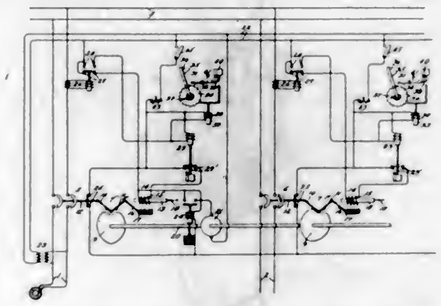
1. In the electrolysis with insoluble anodes of solutions which tend to cause disintegration of said anodes, a method of operation which consists in enclosing the enode with a porous partition and feeding to the compartment thus formed, concurrently with the process of the electrolysis, a solution of a kind which will not attack the anodes.

1,587,439. TIRE. JOHN TALOS, Akron, Ohio. Filed Sept. 4, 1923. Serial No. 660,946. 1 Claim. (Cl. 152—8.)



A tire comprising a casing providing an annular chamber open throughout at its inner side, spaced resilient solid blocks mounted within and secured throughout to the wall of said chamber, each of said blocks of the same cross sectional shape throughout as the cross sectional shape of said chamber, said blocks having their inner ends flush with the inner edges of said casing and each further adapted to have its inner end throughout bear directly upon a tire rim, and a plurality of spaced expanded coiled springs embedded in an expanded position in each of said blocks, the coil of each of said springs at the outer end thereof bearing directly against the inner face of the casing at the tread portion thereof and each of said springs further adapted to have the coil at the inner end thereof bear directly upon the tire rim.

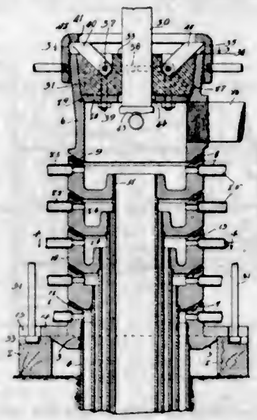
1,587,440. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. EDWARD TAYLOR, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed July 31, 1922. Serial No. 578,553. 14 Claims. (Cl. 175—294.)



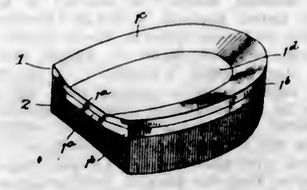
1. In combination, a plurality of circuits, a circuit breaker in each circuit adapted to be opened automatically upon the occurrence of a predetermined condition on the respective circuit, mechanism associated with each breaker arranged to close the same, driving means common to all of said mechanisms for actuating said mechanisms operative in response to the opening of any one of said circuit breakers, and means adapted to be operated after a circuit breaker has been opened a predetermined number of times to prevent the reclosing of said breaker by its respective mechanism.

1,587,441. CASING-HEAD APPARATUS. ROY TAYLOR, Los Angeles, Calif., assignor of one-half to David A. Cant, Los Angeles, Calif. Filed Apr. 1, 1925. Serial No. 19,848. 12 Claims. (Cl. 166—14.)

1. In a casing-head apparatus, the combination of a bottom collar having means for securing the same to an outer casing, and having a seat on its upper side, an intermediate collar received on said seat and threaded for securing the same to an inner casing, said intermediate collar having a seat on its upper side, a casing-head received on said last named seat, and means for securing the intermediate collar and the casing-head to the bottom collar.

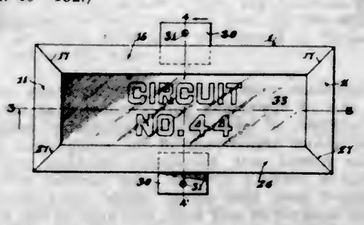


1,587,442. HEEL. RICHARD M. TRETSAL, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Sept. 8, 1925. Serial No. 54,968. 3 Claims. (Cl. 36—35.)



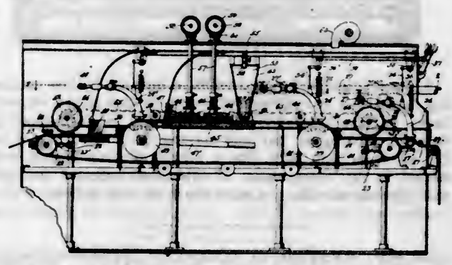
3. A non-resilient heel top adapted to fit the heel seat of a shoe, and having the greater portion of its upper surface flat, but provided adjacent its side and rear edges with an approximately horse-shoe-shaped integral rand portion, said rand portion extending above and being of greater thickness than the flat portion of the heel, and being thicker at its outer side than at its junction with said flat portion.

1,587,443. SIGN. ERNEST M. TERWILLIGER, Rochester, Pa. Filed Jan. 19, 1926. Serial No. 82,289. 1 Claim. (Cl. 40—152.)



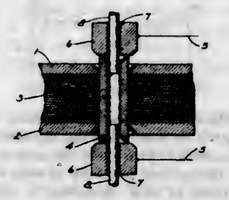
In a sign of the character described, a casing body having a sight opening through one face and an entrance slot formed in the bottom thereof, said sight opening having a surrounding inwardly directed flange, a transparent cover lying against said flange behind said opening, an indicia bearing panel positioned behind said cover and having a groove formed transversely of each end in the face thereof, an elongated resilient roll positioned in each groove to space said cover and panel, and resilient members positioned between and bearing against the back of said panel and the back wall of the casing to hold the cover and panel assembly together, said assembly being placed into position through said entrance slot.

1,587,444. CARPET CLEANING AND DISINFECTING MACHINE. EUGENE A. THOMAS, Chicago, Ill. Filed Mar. 31, 1924. Serial No. 703,171. 8 Claims. (Cl. 15—4.)



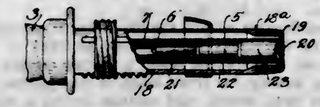
1. In an apparatus of the class described, an endless flexible conveyor approximately as wide as the apparatus for supporting the full width of the fabric to be cleaned and provided with means for attaching the advance edge of the fabric thereto, means for supporting and moving said conveyor, means in front of the conveyor for blowing a blast of air through a portion of the fabric before it reaches the conveyor, a brushing-roller mounted over the conveyor adjacent its front end, a series of suction-nozzles mounted to the rear of said brushing-roller for removing the dirt loosened by the brushing-roller, and separate means to the rear of said suction-nozzles for scrubbing, scraping and drying the fabric while on the conveyor.

1,587,445. ELECTRIC WELDING OR RIVETING. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1924. Serial No. 745,889. 4 Claims. (Cl. 219—2.)



4. The process of heating metal parts in contiguity to materials apt to be injured by the application of heat which consists in transmitting heating current through said parts, and circulating a cooling medium under pressure through said parts for protecting said materials.

1,587,446. FISHING ROD. ARTHUR VIERS, Red Lodge, Mont. Filed Aug. 4, 1925. Serial No. 48,051. 6 Claims. (Cl. 43—23.)

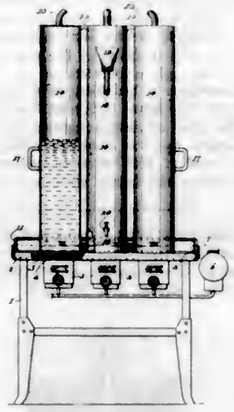


1. In a fishing rod, a handle section, a series of telescoping tubular sections adapted to be nested therein, and means carried by the handle section for fitting within and separately supporting the nested sections.

1,587,447. LOOSE-LEAF BINDER. ALWIN VON AUW and CHARLES A. FINLEY, Brooklyn, N. Y., assignors to Boorum & Pease Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 23, 1923. Serial No. 670,297. 11 Claims. (Cl. 129—41.)

1. In a loose leaf post binder, a pair of hollow clamping bars, and a longitudinal shaft in the upper of said bars, in combination with a binding member passing through said upper bar and having its ends fastened to the lower of said bars, and a single winding means connected to the central part of said shaft adapted to wind said binding member on said shaft in two helices.

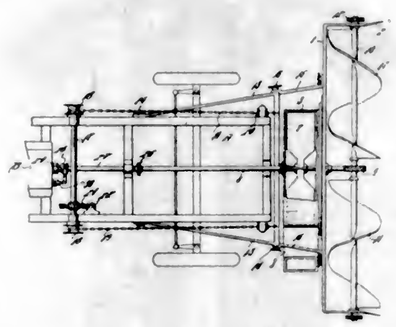
1,587,448. HEATING APPARATUS. JAKOB WACHOWICZ, Hamtramck, Mich. Filed Oct. 23, 1923. Serial No. 670,250. 1 Claim. (Cl. 126—34.)



In combination, a series of vertical water heating chambers adapted to rest over the burners of a stove and a draft pipe parallel with said chambers, water connections between the bottom portions of said chambers spaced above the bottoms of said chambers, a safety valve positioned in the draft pipe and including a steam chamber, steam connections leading from the tops of the heating chambers to the steam chamber whereby said steam chamber permits steam communication between the upper parts of the heating chambers and uniform steam pressure and equal water levels are maintained in the several water chambers.

1,587,449. SNOWPLOW. DAN WANDSCHEER, Sioux Center, Iowa. Filed June 13, 1925. Serial No. 36,985. 2 Claims. (Cl. 37—45.)

1. In combination with a vehicle, a frame pivotally connected with the front part thereof so that it can be rocked about a horizontal axis, a casing carried by the frame and having its front open, a fan casing at the rear of the first casing, said casings having a communicating opening between them, a drive shaft passing through both casings, a fan attached to the shaft, and arranged in the fan casing, a transversely arranged shaft in the first casing and geared to the drive shaft, a pair of screw conveyors attached to the shaft for feeding the snow entering the casing through the opening in the fan casing, a second conveyor shaft in the casing, means for driving the same from the first shaft, a drum shaft

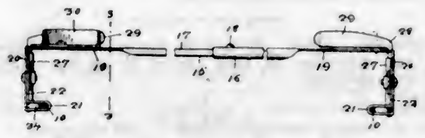


carried by the vehicle, flexible means for connecting the same to the pivoted frame, manually operated means for rotating said drum shaft and clutch controlled means for connecting the drive shaft with the motor of the vehicle.

1,587,450. TREATMENT OF BARIUM PEROXIDE FOR OBTAINING PEROXIDE OF HYDROGEN AND AN IMPROVED "BLANC FIXE." ISAAC EPHRAIM WEBER, Luton, England, assignor of one-half to B. Laporte Limited, Luton, England, a British Company, and of one-fourth to Horace Edward Alcock, Luton, England. Filed Aug. 10, 1925, Serial No. 49,485, and in Great Britain Mar. 2, 1925. 3 Claims. (Cl. 23—207.)

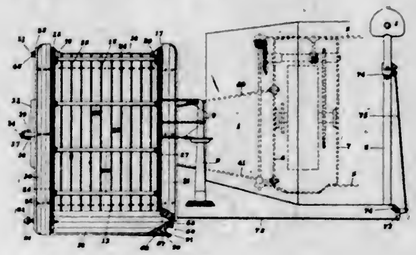
2. The improvement in making blanc fixe as a by-product in the manufacture of hydrogen peroxide by action of phosphoric acid on barium peroxide, which consists in treating the barium phosphate produced in the said manufacture with phosphoric acid, separating the undissolved matter from the solution thus produced and adding sulphate ions so as to precipitate blanc fixe from the solution.

1,587,451. SHADE FIXTURE. LOUIS M. WHITE, Mount Vernon, Ind. Filed July 8, 1925. Serial No. 42,264. 1 Claim. (Cl. 156—27.)



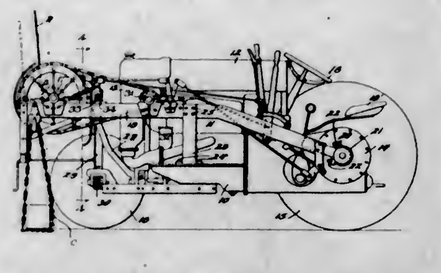
An adjustable window shade supporting device comprising a pair of upstanding guides mounted at the sides of a window, a longitudinally adjustable supporting member located transversely of the window and having its ends formed with rearwardly extending arms terminating in inwardly directed guide portions embracingly engaged upon said guides, shade roller supporting brackets mounted on said arms, said arms having reversely extended portions formed with bearings and locking means including levers located in front of said transverse supporting member and carrying shanks journally mounted in said bearings, and clamping lugs on said shanks frictionally engaging against said upright guides, and spring means urging said locking devices into guide engaging position.

1,587,452. BUNDLE CARRIER. FREDERICK D. WILSON, ROBERT C. LIVESAY, and OSCAR F. CARLSON, Moline, Ill., assignors to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 12, 1919. Serial No. 323,402. 15 Claims. (Cl. 56—477.)



1. The combination with a harvester and binder, of a sheaf carrier secured to the harvester and adapted to receive sheaves from the binder, a supporting wheel for the carrier at the stubble side of the carrier, and means actuated at will to discharge sheaves from the carrier by the traction power of the said supporting wheel.

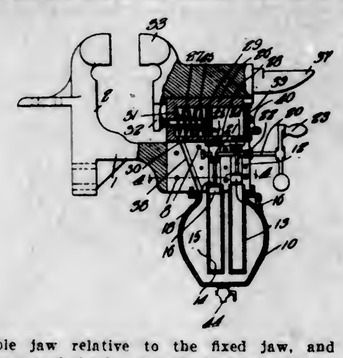
1,587,453. SELF-PROPELLED WINCH. JOHN HART WILSON, Burkburnett, Tex. Original application filed Feb. 29, 1924, Serial No. 696,037. Divided and this application filed May 28, 1924. Serial No. 716,480. 12 Claims. (Cl. 180—1.)



1. A tractor including in combination, an engine casing, a rear axle and traction wheels to support the rear end of the engine casing, a front axle in advance of the engine casing, wheels on said front axle, substantially parallel side frame members, one on each side of the engine casing, extending forwardly from the rear axle to overlie the front axle, means for supporting the forward ends of said members from the front axle, and means for bracing the front axle from the engine casing said means being secured to the bottom of the engine casing and to the axle.

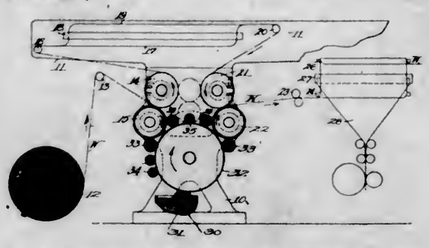
1,587,454. HYDRAULIC VISE. JOHN R. WILSON, Kelso, Wash. Filed Nov. 15, 1923. Serial No. 674,955. 1 Claim. (Cl. 81—17.)

In a hydraulic vise the combination with a base having a fixed jaw, of a cylinder mounted on the base, a reservoir suspended below the base, means for returning liquid from the end portions of the cylinder to the reservoir, a movable jaw slidable on the cylinder, said jaw, cylinder, base and reservoir being normally superposed, a piston in the cylinder, a rod extending therefrom, an extension on the jaw projecting into the path of and adapted to be actuated by the rod, yielding means for holding the piston normally in one position, a spring controlled relief valve in the piston, a pump for elevating liquid from the reservoir and directing it between the piston and one end of the cylinder, thereby to slide the



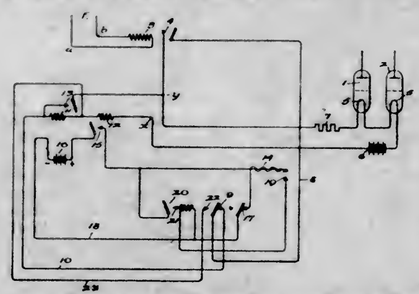
movable jaw relative to the fixed jaw, and a valve within one of the liquid returning means for controlling the release of pressure when exerted against the piston.

1,587,455. PERFECTING WEB PRESS. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 25, 1919, Serial No. 326,214. Renewed Dec. 6, 1924. 9 Claims. (Cl. 101—223.)



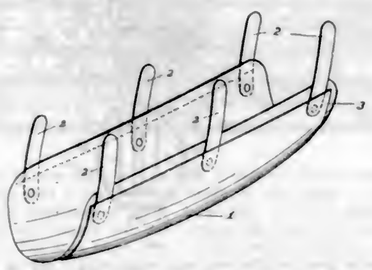
1. In a perfecting web press, the combination with a pair of printing couples arranged to print on both sides of and perfect a web, of a single inking mechanism located and arranged to supply ink to both couples constantly and directly and without interruption.

1,587,456. VACUUM-TUBE CONNECTION. WALTHER WOLFF, Karlshorst, Germany, assignor to General Electric Company, a Corporation of New York. Filed Jan. 31, 1924, Serial No. 689,717, and in Germany Feb. 9, 1923. 6 Claims. (Cl. 179—171.)



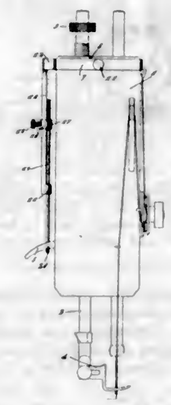
1. The combination in a telephone system employing a thermionic amplifier, of means responsive to a calling current for closing and opening a heating circuit for the amplifier cathode.

1,587,457. BLOW-OUT PATCH. OMER WOOD, Schenectady, N. Y., assignor to Wood Brothers, Schenectady, N. Y., a firm consisting of Omer Wood and Daniel J. Wood. Filed Sept. 17, 1925. Serial No. 56,839. 1 Claim. (Cl. 152—24.)



A blowout patch having projecting from its opposite sides a plurality of straps of pliable sheet metal readily bendable around the edges of an enclosing tire.

1,587,458. SEWING-MACHINE ATTACHMENT. MARGARET A. WORKMAN, Kansas City, Kans. Filed Oct. 16, 1925. Serial No. 62,804. 1 Claim. (Cl. 112—237.)

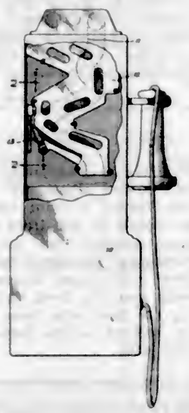


A darning attachment for sewing machines having a head, a presser foot and presser foot lifting lever, comprising a frame designed to fit about said head and be secured thereto, an arm carried by said frame, a guide carried by said arm, an adjustable collar about and carried by said arm, and a hooked rod extending through said guide and secured to said collar and designed to engage and hold said lever in set position.

1,587,459. MECHANICALLY-OPERATED TOY. SAMUEL T. WORKMAN, Jr., Moorestown, N. J. Filed Oct. 17, 1925. Serial No. 63,128. 6 Claims. (Cl. 46—40.)

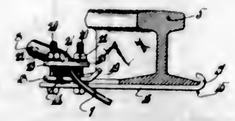
1. A toy comprising a seated figure, a second figure positioned thereon, a movable arm for the seated figure, yieldable means to resist movement of the arm in one direction and means to raise said arm and release the latter when in raised position to operate the arm 1 strike the second figure.

1,587,460. TELEPHONE ATTACHMENT. JAMES EDWARD WYCKOFF, Rochester, N. Y. Filed Aug. 17, 1925. Serial No. 50,796. 1 Claim. (Cl. 194—96.)



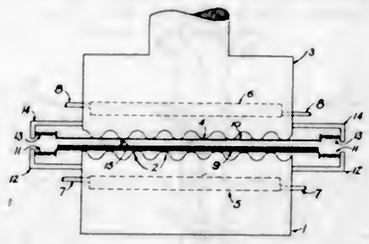
An attachment for pay telephones having a signal device and a check chute which comprises a spring blade mounted within the casing of the telephone in front of the signal device and in such relation to the check chute as to cause the check to come in contact with it before contact with the signal device, the resiliency of the spring being pre-determined to prevent the actuation of the signal device by lightweight checks.

1,587,461. MINING APPARATUS. CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 10, 1922, Serial No. 551,387. Renewed June 4, 1923. 13 Claims. (Cl. 173—273.)



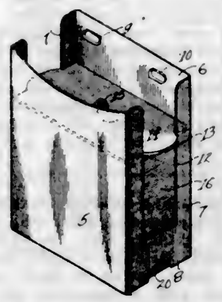
1. A quick connectable grounding device for electric cables having engaging portions normally spaced apart a greater distance than the width of the member to be engaged thereby and movable bodily about a vertical axis into holding position.

1,587,462. PROCESS AND APPARATUS FOR CRIMPING PLASTIC MATERIAL. FLOYD W. ADAMS, Hudson Heights, and KENNETH B. HOWELL, East Orange, N. J., assignors to The Barrett Company, a Corporation of New Jersey. Filed Nov. 4, 1919. Serial No. 335,564. 2 Claims. (Cl. 18—56.)



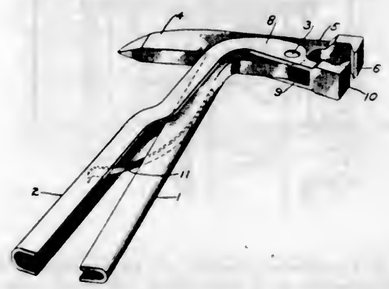
1. In a press, a pair of pressure members having corrugations on their faces and a thin flat plate of metal disposed along said corrugations.

1,587,463. DISPENSING DEVICE FOR INTERFOLDED TISSUE PAPER. LELAND J. ARMS, San Francisco, Calif. Filed Sept. 12, 1923. Serial No. 662,332. 1 Claim. (Cl. 211—29.)



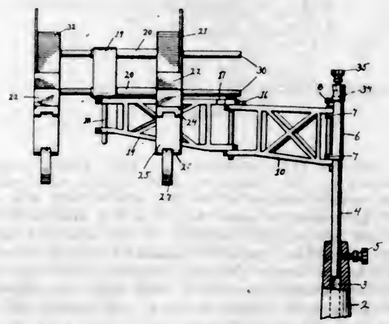
A stationary container for holding interfolded tissue toilet paper embodying in its construction side walls, an open top, slotted end walls and a slotted bottom wall, a flat weight element having a hand hold and being of substantial thickness and positioned upon the interfolded paper, said element being of a substantial rectangular conformation and provided with integrally formed extensions adapted to move vertically and downwardly between the slots of the end walls for indicating the quantity of paper remaining in the container, and means in the side walls and spaced from the slots to define hand holds for initiating the dispensing of the paper.

1,587,464. WIRE CUTTER. PETER BEGHETTI, San Francisco, Calif. Filed Aug. 23, 1924. Serial No. 733,782. 2 Claims. (Cl. 81—198.)



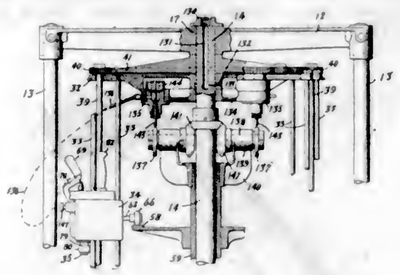
1. A tool comprising the combination of a handle having a main portion and a relatively long angularly extending portion at one end thereof, a channel-shaped handle having a main portion extending in the same general direction as the first said main handle portion and having a relatively long angularly extending portion at one end thereof having an opening therethrough, the adjacent portions of the main and angularly extending portions of the first handle fitting into the channel of the cooperating portion of the second handle and extending through the said opening, cooperating cutting jaws on the free ends of the two angularly extending portions, and a pivot extending through the two angularly extending portions at the said opening and parallel with the cutting jaws.

1,587,465. FOLDED-PAPER SUPPORT AND GUIDING ATTACHMENT FOR TYPEWRITERS. EDNY D. BENNETT, Mound City, Kans. Filed Mar. 30, 1925. Serial No. 19,430. 5 Claims. (Cl. 197—133.)



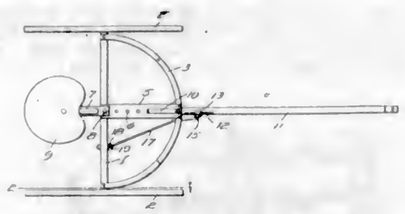
1. In a device of the character described, the combination with a support, of an arm pivoted for horizontal movement to said support, a second arm pivoted at one end for like movement, to said first-named arm, a paper support pivoted to the other end of said second arm, and means carried by said paper support for detachable engagement with a horizontally-movable carriage.

1,587,466. AUTOMATIC GLASS-BLOWING MACHINE. CARL A. BROWN, East Cleveland, and ANDREAS C. NIELSEN, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed Apr. 23, 1924. Serial No. 708,540. 12 Claims. (Cl. 49—7.)



1. In an automatic machine for making glass articles, the combination of a substantially horizontally disposed carrier, a substantially vertically disposed guide attached to said carrier, a head supported independently of said carrier and slidably mounted on said guide and comprising means for receiving and retailing the end of a glass tube, means positioned to engage another portion of said tube and adapted to center it without supporting it, heating means adapted and arranged to be brought into operative relation to the free end of said tube, molding means adapted and arranged to engage said tube and mechanism whereby said heating and molding means are caused to operate in proper sequence.

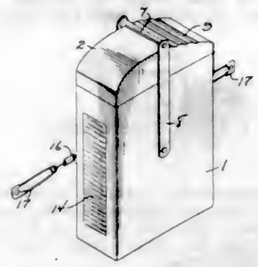
1,587,467. HARROW CART. HAYES S. BULFER, Garden City, Minn. Filed Dec. 16, 1924. Serial No. 756,256. 2 Claims. (Cl. 280—87.)



1. A harrow cart comprising an axle, ground engaging wheels on the respective ends thereof, an arcuate shaped member secured at its free ends to said axle adjacent the respective ends thereof, a bar interposed between the intermediate portions of the axle and arcuate shaped member respectively, a seat support secured on said bar, a tongue pivotally secured at its rear end to the intermediate portion of said axle and disposed below the arcuate shaped member, and means for removing the axle on said pivot.

1,587,468. CIGARETTE CASE. DANIEL BURKEY and ADDISON R. BURTNETT, Johnstown, Pa. Filed Oct. 16, 1925. Serial No. 62,878. 1 Claim. (Cl. 206—38.)

A case of the class described, comprising a body, a cover therefor, a hinge for connecting the cover to the body, said hinge being movably connected with one of the parts, clamping means for holding the cover in closed position, such means comprising spring arms pivoted to the body, a roller carried by the arms for engaging a



cover, the outer surface of the cover being curved to receive the roller and having recesses therein into which the roller passes as it is pushed over the curved surface.

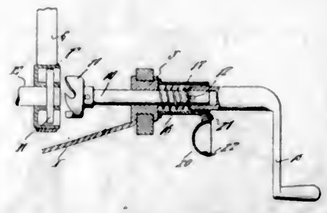
1,587,469. LAMP BASE OR PEDESTAL. REBECCA LEVY CAMPAGNA, Brooklyn, N. Y. Filed Mar. 24, 1925. Serial No. 18,012. 3 Claims. (Cl. 240—81.)

1. A lamp including a hollow column of skeleton framework, a translucent covering about said frame work, a skeleton cross frame at the upper end of the column, a standard supported thereby including means for mounting a lamp shade and means for mounting a lamp bulb, a second skeleton cross frame near the lower end of the column, a lamp socket mounted therein, and means permitting a section of the translucent covering to be moved aside and afford access to said socket.

1,587,470. DETACHABLE MOTOR CRANK. FRANK J. CAMPBELL, Youngsville, Pa. Filed Oct. 5, 1925. Serial No. 60,635. 1 Claim. (Cl. 74—33.)

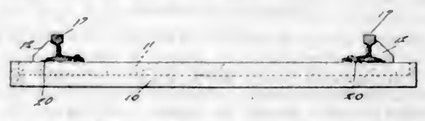
In a motor vehicle including a frame having a front cross member, a motor having its shaft equipped with a pulley provided with a transverse pin element, a bearing member on the front cross bar of the frame, in alinement with the motor shaft, a bearing at the forward end of the motor engaged within said first named bearing, said first named bearing having a removable cap portion held in place by studs, angular bracket members engaged upon said studs and having attaching portions at their forward ends, a shaft journaled through said second named bearing member and carrying a ratchet device engageable with said pin, a transverse pin

extending through said shaft forwardly of the bearing members, a coil spring surrounding the shaft and bearing against the second named pin and the forward face of the second named bearing member for normally holding the shaft in its forwardmost position, a crank having a slotted hub portion socketed and notched for engage-



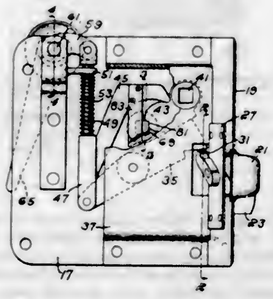
ment upon the forward end of the shaft and to receive said second named pin, a housing member having lateral lugs secured upon the attaching forward portions of said angular brackets, and a cap detachably engaged upon the forward end of said housing to serve as a closure therefor upon removal of the crank.

1,587,471. TIE. JOSEPH A. CAPLES, Albuquerque, N. Mex. Filed June 22, 1925, Serial No. 38,915. Renewed Apr. 16, 1926. 6 Claims. (Cl. 238—288.)



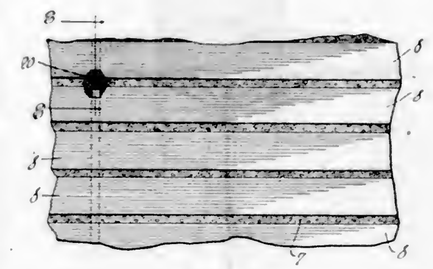
1. A composition tie of the character described comprising a relatively flat narrow plate extending from end to end within the tie and having its upper side edges extending vertically therein, rail supporting means secured to said plate, and means included upon the opposite side of the supporting means and engaging a rail for the purpose set forth.

1,587,472. DOOR LATCH. HERMENEGILDE CARRIER, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed July 24, 1924. Serial No. 727,899. 4 Claims. (Cl. 292—220.)



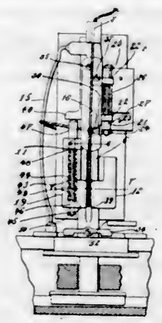
1. Door latch mechanism including a cam for operating the bolt from one side of the door, a dog therefor adapted to be protracted in a direction substantially parallel to the axis of the cam into the path thereof, means for operating the bolt from the other side of the door and a member moving therewith and adapted to ride over the end of the dog in its protracted position to return the same therefrom.

1,587,473. BUILDING CONSTRUCTION. BENJAMIN F. CLARK, Pueblo, Colo. Filed Jan. 27, 1925. Serial No. 5,106. 2 Claims. (Cl. 72—33.)



1. A wall construction including studding, boards secured to the studding and arranged in spaced relation with each other, said boards having grooves formed on their inner surfaces and having their edges beveled, plastic material positioned behind the boards and adapted to pass within the grooves and engage the beveled edges of the boards to lock the plastic material in position.

1,587,474. BRAIDER TENSION. EDWARD C. DANDY and WILLIAM TUGWELL, Baltimore, Md. Filed July 23, 1925. Serial No. 45,494. 11 Claims. (Cl. 96—13.)

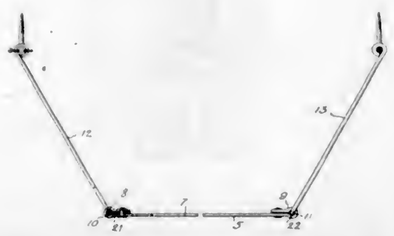


1. The combination in a braiding machine of a braider carrier having a spindle carrying a supply of yarn, an upright arm having an intermediate eye and an eye at the top, a bottom weight sliding on the arm and a spring tending to depress the bottom weight, a yarn take-off guide, a spring plate tension bearing on the outside of the arm below the intermediate eye and a spring pressed drag bearing on the surface of the yarn supply which is wound about the spindle, the yarn being led from the spool about the guide outwardly through the eye in the centre of the upright arm downwardly along the upright arm beneath and about the bottom weight and upward through the eye at the top of the arm and hence to the point of braiding, the spring tension bearing on the yarn just below the intermediate eye and pressing it against the upright arm.

1,587,475. FOLDING UMBRELLA. RULON H. DAVIS, Salt Lake City, Utah. Filed Sept. 1, 1923. Serial No. 660,600. 2 Claims. (Cl. 135—25.)

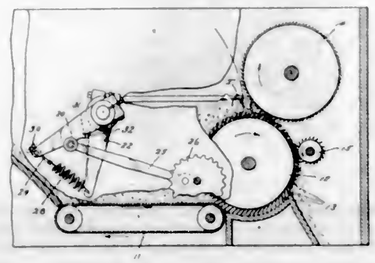
1. In combination with a folding umbrella, a hollow handle composed of sections that may be opened longitudinally and having the umbrella pivoted thereto, the parts being arranged to admit of the umbrella when folded being housed within the handle.

1,587,476. BELT LIFE GUARD. GAETANO DI GIOVANNI, New York, N. Y. Filed Feb. 27, 1925. Serial No. 12,139. 2 Claims. (Cl. 20—71.)



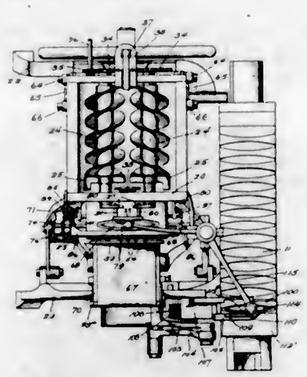
1. A safety life-guard for use in cleaning the outside of windows, comprising a flexible belt structure having looped ends, a pair of arms, each of said arms having a vertical section positioned so as to extend through the respective looped ends of the belt, each of said arms being provided with a pair of bars extending substantially at right angles to said vertical section, each of said bars being formed with an eyelet at the outer end, a tubular member for each of said arms carried in said eyelets, and a bracket for each of said arms, each of said brackets having a vertical pintle section extending through one of said tubular members.

1,587,477. MATERIAL-FEEDING DEVICE FOR TOBACCO MACHINES. CLARENCE J. DU BRUL, Cincinnati, and JOSEPH F. SEES, Norwood, Ohio, assignors to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio, a Corporation of Ohio. Filed June 17, 1922. Serial No. 569,051. 5 Claims. (Cl. 131—39.)



1. A tobacco feeding device comprising a tamper; means for reciprocating said tamper, a resilient connection between said tamper and reciprocating means whereby said tamper may be resiliently moved in one direction, and means to return the tamper in the opposite direction.

1,587,478. CIGAR-BUNCHING MACHINE. CLARENCE J. DU BRUL, Cincinnati, and JOSEPH F. SEES, Norwood, Ohio, assignors to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio, a Corporation of Ohio. Filed June 17, 1922. Serial No. 569,052. 13 Claims. (Cl. 131—42.)

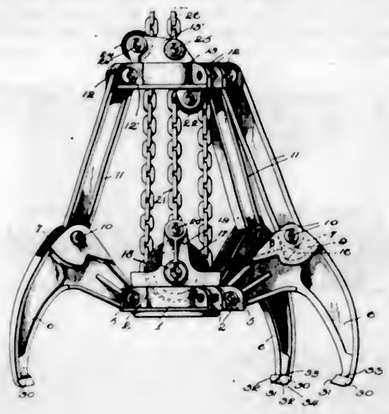


1. Tobacco feeding means comprising a hopper having a discharge opening adjacent the bottom of the hopper and also adjacent one side thereof, a pair of rotatable screws presented towards said discharge opening for urging the tobacco towards said opening and oscillating means adjacent the end of said screws for disengaging the tobacco therefrom.

1,587,479. ROCK GRAB. THOMAS L. DUROCHER, Detour, Mich. Filed Feb. 24, 1926. Serial No. 90,361. 3 Claims. (Cl. 294—112.)

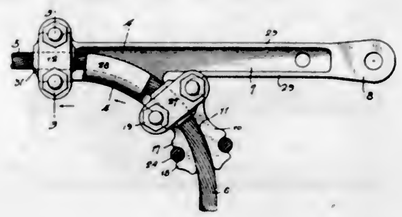
1. A rock grab comprising a lower head, a plurality of angular grab arms pivoted at one end to said head,

an upper head, links connecting the upper head to said arms intermediate the ends thereof, and means to move the heads toward and from each other to cause the



links to close and open said arms, the free ends of said arms being provided with angularly disposed teeth provided with multiple cutting edges.

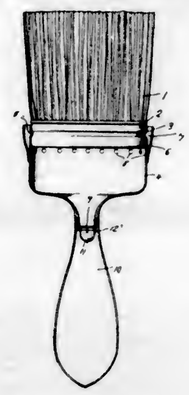
1,587,480. STRAIN CLAMP. GRANDON E. ECKERT, East Liverpool, Ohio, assignor to The R. Thomas & Sons Company, East Liverpool, Ohio, a Corporation of Ohio. Filed Feb. 24, 1925. Serial No. 11,190. 6 Claims. (Cl. 24—135.)



1. A clamp for suspended cable spans, comprising a straight shank having at one end means for attachment to a suspension insulator and being shaped at its opposite end to form a cableway to receive the cable from the span, a deflecting arm branching from the shank adjacent the cable-receiving end thereof and having an arcuate cableway formed therein substantially throughout its length to deflect substantially at right angles a cable laid therein to form a jumper loop, together with clamp members cooperating respectively with the shank and deflecting arm to grip the cable to its seat both at a point substantially in line with the span and at a point of substantially greatest deflection for the jumper loop, and causing the cable to frictionally hug its arcuate seat throughout the length thereof.

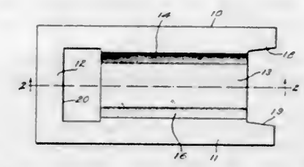
1,587,481. PAINTBRUSH. VERNON G. ERICKSON and CLARENCE A. GOODBAUDY, Yuma, Colo. Filed Jan. 8, 1926. Serial No. 80,086. 1 Claim. (Cl. 15—248.)

A brush of the class described, comprising a hollow stock having a flange at its open end forming a chamber, a bristle carrying member detachably held in the open end of the stock, said stock having perforations therein placing its interior in communication with the chamber, a



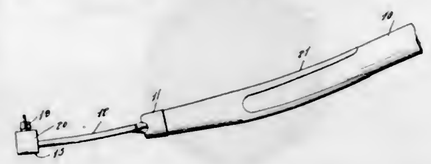
hollow handle connected with the stock and a valve for preventing the paint material from passing from the hollow handle from the stock when the brush is reversed.

1,587,482. CORNER BUILDING BLOCK. GUSTAV EY, New York, N. Y. Filed Sept. 17, 1925. Serial No. 57,006. 1 Claim. (Cl. 72—41.)



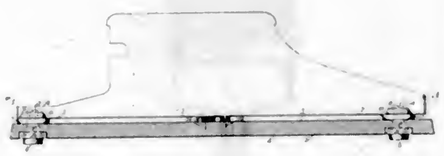
A building block comprising side walls, an I-shaped web joining the side walls, said web terminating short of the ends of the side walls and an end wall connecting the side walls at one end thereof, whereby an opening is formed which extends completely across between the side walls, the end wall and the end of the web member, the other end of the block being open.

1,587,483. MOP OR SIMILAR HOLDER. ROBERT B. FLAKE, Lexington, N. C. Filed Apr. 21, 1925. Serial No. 24,832. 2 Claims. (Cl. 15—147.)



1. A device of the class described comprising a clamping bar, a clamping bar adjustable relatively thereto, bolts connecting said clamping bars together, end lugs on one clamping bar in guiding engagement with the other clamping bar, a handle having portions disposed between the bars and through which said bolts removably pass, and means on said bolts to secure the handle rigidly to one of said bars.

1,587,484. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,458. 14 Claims. (Cl. 45—137.)

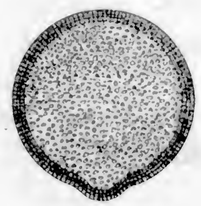


1. A baseboard, a perforated cushion between said baseboard and a typewriting machine, part of which cushion extends below the base of the machine and part of which extends above the same, a cushion or foot projecting below the baseboard and having a flange within a recess in said baseboard, a cup or ring within which said flange is seated, a socket passing upwardly through the baseboard and through the perforated cushion, said socket having at its lower end a flange which bears on said foot-piece, ears or lugs on said cup or ring bent over upon said flange, a perforated disk or washer seated upon the top of said typewriting machine cushion, and a screw engaging internal threads in said socket.

1,587,485. PROCESS OF PRESERVING. ALEXANDER LOWY, Pittsburgh, Pa. Filed Oct. 28, 1925. Serial No. 65,471. 5 Claims. (Cl. 99—1.)

4. The process of preparing a cocoa product having high preserving qualities, which includes preparing a mixture of syrup and cocoa and then adding thereto a dilute solution of hydrogen peroxide at low temperatures, further diluting the product with water and retaining the product under pressures of between 15 to 30 lbs. whereby the rapid decomposition of the hydrogen peroxide is inhibited.

1,587,486. SPONGE-RUBBER ARTICLES, METHOD OF PRODUCING THE SAME, AND COMPOSITION THEREFOR. THOMAS PERCY DOUGLAS MARSHALL, Wingham, Ontario, Canada, assignor of one-half to Joshua Hirst, Wingham, Canada. Filed May 28, 1925. Serial No. 33,578. 5 Claims. (Cl. 18—53.)

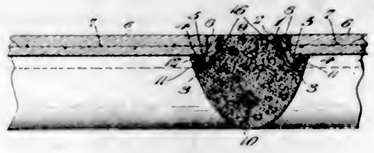


1. A method of producing sponge rubber tubes consisting in working a quantity of crude rubber to a plastic state and mixing thoroughly therewith stearic acid, sulphur, litharge, oxide of zinc and a petroleum product, rolling the resultant plastic material into sheets and subjecting same to heat until it attains a porous condition, then working on rolls at a temperature lower than that required to bring it to said porous condition, gradually increasing said temperature during working, tubing said material to the required diameter, then placing same in moulds until the pores caused by the gases have expanded the material to the desired shape, and then vulcanizing.

1,587,487. SKYLIGHT AND FLOORLIGHT CONSTRUCTION. LOGAN WILLARD MULFORD, Long Island City, N. Y. Filed May 15, 1924. Serial No. 713,607. 4 Claims. (Cl. 94—27.)

1. In a device of the character stated, a reinforced concrete frame work, having lens receiving openings therein, metallic lens holders embedded in the concrete, in the upper portions of said openings, and having their upper edges, substantially on a line with the top of said concrete frame work, an inwardly extending flange on said lens holders, relatively thin lenses formed of rolled, annealed wired glass positioned within said lens holders, and supported on said inwardly extending flanges, the terminals of the wires in said lenses projecting from the edges thereof, and a sealing compound interposed between said coating and the contiguous walls of said lens holders.

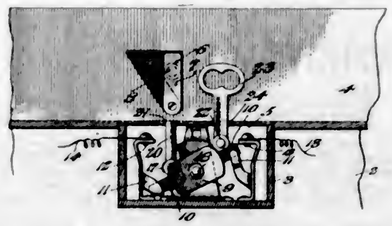
1,587,488. SKYLIGHT AND FLOORLIGHT CONSTRUCTION. LOGAN WILLARD MULFORD, Long Island City, N. Y. Filed May 25, 1925. Serial No. 32,625. 1 Claim. (Cl. 94—28.)



The hereindescribed skylight, sidewalk, or floorlight construction, which consists of a metal lens holder, a rolled annealed glass lens supported thereon, and a bottom covering of concrete completely covering the bottom of said lens holder and extending to the bottom of said lens, whereby corrosion of said lens holder is prevented.

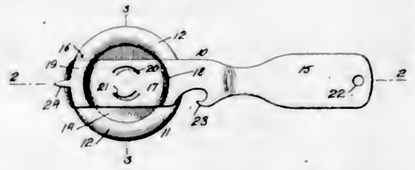
1,587,489. CIRCUIT-CLOSING DEVICE FOR AUTOMOBILES. BALDINI SCHMITH, Philadelphia, Pa. Filed Aug. 8, 1923. Serial No. 656,367. 1 Claim. (Cl. 200—85.)

The combination of a fixed lower structure, forming the lower part of a conventional vehicle seat, a double pole switch member therein, comprising a pair of rockers, having oppositely located forked terminals, oppositely located pairs of upper and lower contacts coacting with said terminals for making and breaking a circuit, a shaft for said rockers, a vertically disposed post pivoted at its lower ends between said rockers to said switch member and having its upper end guided in the top of said lower structure, an upper normally horizontally disposed, conventional vehicle seat hinged to the rear of said lower structure, a vertically disposed hollow sleeve in said hinged member adapted to align with said post when said upper seat member is down, a latch plate hinged to the bottom of said upper seat member and adapted to close the bottom of the hole in said sleeve, when turned into alignment therewith and an abutment carried by and movable in unison with said switch



member and located between said rockers on the side of said shaft opposite to said post, said abutment aligning with a hole in the top of the fixed lower seat structure and adapted to be depressed by the insertion of a key through said hole, when it is desired to open the circuit, the closing of the circuit and the operation of a signalling device being effected when said post is in its lowermost position.

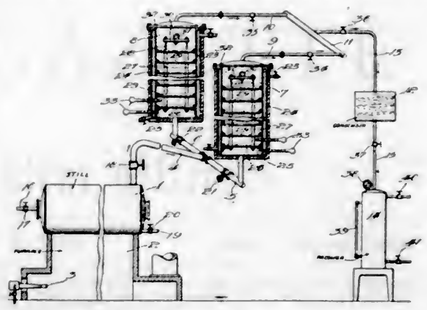
1,587,490. MILK-BOTTLE OPENER. MARCUS B. BEHRMAN, New York, N. Y. Filed July 15, 1922. Serial No. 575,368. 3 Claims. (Cl. 65—47.)



1. A milk-bottle opener of the character described formed from a flat strip of sheet metal, comprising in one integral piece a handle portion and a head on the end thereof having a depressed middle portion to seat within the mouth of the bottle and downwardly and inwardly extending curved sections at the ends of said depressed portion adapted to engage and be given a turning motion on the rounded annular lip of the bottle, said depressed portion having oppositely curved prongs adapted to be screwed into the paper disk sealing the bottle, said depressed portion and said handle portion being on parallel horizontal planes and said handle portion being elongated and adapted to be grapsed within the hand.

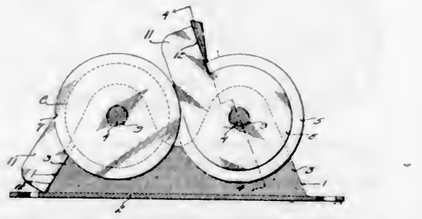
1,587,491. PROCESS OF TREATING HYDROCARBONS. ROY CROSS, Kansas City, Mo. Filed Feb. 9, 1923. Serial No. 617,955. 6 Claims. (Cl. 196—28.)

1. A process of treating petroleum oil, consisting in heating and vaporizing the oil under substantial pressure, passing the evolved vapors through a mixture of bentonite and a salt of a metal having an affinity for



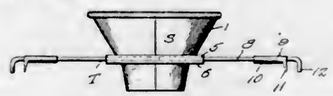
the sulphur compounds of the oil while maintaining the mixture above the dry point of the oil, and condensing and collecting the treated vapor as liquid distillate.

1,587,492. TOOL SHARPENER. CLINTON E. SHAW, Philadelphia, Pa. Filed May 27, 1924. Serial No. 716,363. 3 Claims. (Cl. 76—89.)



1. A sharpener comprising a support; a series of sharpening disks; another series of sharpening disks overlapping the disks of the first series; spacers between the disks of each series, the disks and spacers being axially arranged and tiltably mounted on the support, and means on a spacer of one series adapted to be swung into engagement with a disk on the other series and to guide a tool over the edges of the disks.

1,587,493. STRAINER. JOHN W. BOWER, Killbuck, Ohio. Filed Oct. 1, 1924. Serial No. 741,045. 4 Claims. (Cl. 248—30.)



1. In a device of the class described, including a plate provided with sleeves at its ends, semi-cylindrical channel plates having their edges fixed to the tops of the sleeves and disposed in the sleeves, and a plurality of rods slidable within the channel plates and frictionally engaged thereby so that they may be adjusted to different positions.

THE

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Issue of June 8, 1926.

Trade-Marks	272—No.	213,800 to No.	214,071, inclusive.
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Labels	29—No.	30,443 to No.	30,471, inclusive.
Prints	23—No.	8,868 to No.	8,890, inclusive.
Reissues	2—No.	16,359 to No.	16,360, inclusive.
Designs	46—No.	70,308 to No.	70,353, inclusive.
Patents	905—No.	1,587,494 to No.	1,588,398, inclusive.
Total	1,437		

Disclaimers.

1,537,326.—*Bernard D. Willis*, Oak Park, Ill. Make-Busy Scheme for Telephone Systems. Patent dated May 12, 1925. Disclaimer filed May 20, 1926, by the assignee, *Automatic Electric Inc.*

Hereby enters a disclaimer to claims 1, 5, 7, 8, and 9 in said specification, which are in the following words, to wit:

"1. In a trunking system, a group of trunks, a switch having access thereto, a conductor common to said group maintained at a certain potential at each of said trunks, means for taking said trunks for use, means responsive to the taking for use of each of said trunks for removing said certain potential from said conductor at one point, and means responsive to the removal of said certain potential at the last trunk to be taken for use for rendering said switch non-selectable.

"5. The combination, with a group of automatic switches, of a guarding circuit including a relay and a source of current, a pair of contacts at each switch for short-circuiting said relay, and means in each switch for opening the associated contacts when the switch is operated.

"7. The combination, with a group of switches, of a relay, and means for operating said relay only when all said switches are in use, said means comprising a closed circuit for said relay, and means in each switch effective while the switch is idle for maintaining said relay short circuited.

"8. In a telephone system, a group of lines, an electro-magnet common to said lines, a circuit for said magnet including a source of current, a pair of contacts individual to each line, circuits over which all said pairs of contacts are connected in parallel with each other and in shunt of said relay, and means for opening each pair of contacts when the associated line is in use.

"9. In a telephone system, a group of lines, an electro-magnet common to said lines, a circuit for said magnet including a source of current, a pair of contacts individual to each line, circuits over which all said pairs of contacts are connected in parallel with each other and in shunt of said relay, means for opening each pair of contacts when the associated line is in use, and a resistance included in said circuit to prevent excessive current flow while said magnet is short-circuited."

1,544,300.—*Charles J. Erickson*, Chicago, Ill. Automatic Telephone Systems. Patent dated June 30, 1925. Disclaimer filed May 17, 1926, by the patentee, the assignee, *Automatic Electric Inc.*, consenting.

Hereby enters this disclaimer to claims 1 and 2 in said specification, which are in the following words, to wit:

"1. In a telephone system, an automatic switch, trunk lines accessible thereto, a rotary magnet, a test relay for said switch, means for making certain trunk lines busy, means for operating said switch to test a pair of trunk lines simultaneously, a circuit for energizing said relay including grounded test contacts of busy trunk lines when said switch attempts to make connection therewith to operate said rotary magnet to cause said switch to test another pair of trunk lines simultaneously, means for releasing said switch, and means for opening said first mentioned circuit during restoration to normal to prevent any further operation of said rotary magnet in case any busy trunk line is encountered.

"2. In a telephone system, trunk lines, an automatic switch accessible to said lines, testing means in said switch for locating trunk lines not in use, said testing means including two test wipers for testing said trunk lines in pairs, means fer releasing said switch, and means for rendering said testing means ineffective during the release to prevent any false operation of said switch in case the said testing means engages a busy trunk line."

Interference Notice.

U. S. Patent Office, *Washington, May 11, 1926.*

Thomas J. Kennedy, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Carlton L. Hoff, c/o Hoff Metals Products Company, Grand Central Terminal, New York, N. Y., and patent granted May 20, 1924, No. 1,494,689, to Thomas J. Kennedy, c/o General Delivery, San Bernardino, Calif., and a notice of such declaration sent by registered mail to said Thomas J. Kennedy at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Thomas J. Kennedy, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A KINNAN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 28, 1926.

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,150; Trade-Mark Division, 1,932. Oldest new case, Dec. 1, 1925; oldest amended, Dec. 3, 1925. The dates given are 1926 except where † indicates 1925.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 15	Mar. 17	556
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 6	Feb. 5	553
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 23	Feb. 17	1,143
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 1	Apr. 1	742
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 6	Jan. 7	949
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 29	Jan. 21	1,284
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 8	Mar. 9	822
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 12	Mar. 9	1,052
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Mar. 1	Mar. 12	546
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 1	Mar. 3	959
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 27	Mar. 1	803
380	12. PIERCE, P. P., Machine Elements	Mar. 1	Mar. 1	619
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 13	Mar. 26	646
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 16	Feb. 24	878
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 16	Mar. 30	618
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 2	Feb. 16	915
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering, Type Setting.	Feb. 24	Feb. 15	457
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 13	Jan. 27	790
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 25	Apr. 5	493
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 1	Mar. 5	761
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 20	Mar. 5	481
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 4	Feb. 8	643
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 16	Feb. 4	273
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 9	Mar. 11	537
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Feb. 20	Feb. 25	896
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 1	†Dec. 17	772
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 29	Mar. 29	502
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 19	Mar. 22	945
160*	29. MORRIS, B. N., Braiding; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 31	Jan. 2	1,043
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 15	Mar. 16	646
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 22	Mar. 20	825
249	32 BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 15	Mar. 16	553
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 20	Mar. 25	708
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Dec. 24	†Dec. 3	662
110*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 10	Apr. 22	603
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 15	Mar. 13	1,009
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 10	Feb. 15	1,094
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Jan. 23	Jan. 25	904
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 19	Mar. 4	468
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 1	Mar. 8	1,102
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 1	Feb. 24	460
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Mar. 4	Mar. 10	1,002
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 16	Mar. 1	794
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 14	†Dec. 18	1,019
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 1	Mar. 2	500
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 23	Feb. 25	758
264	47 BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 3	Mar. 4	1,038
213*	48. ROEPKE, O. H., Electricity, Conductors; Electricity, General Applications	†Dec. 24	†Dec. 17	1,700
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes, Driers; Liquid Separation or Purification.	Mar. 24	Mar. 24	503
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 10	Feb. 10	1,245
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 22	Jan. 16	1,775
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 1	Mar. 6	848
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 10	Mar. 24	744
102	Designs: C. O MARKHAM (Acting)	May 5	May 6	432
163	Trade-Marks, Labels, and Prints: T. L. MEAD, Jr. {Trade-Marks	Apr. 24	May 14	1,830
	{Labels and Prints	May 3	May 15	102

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE WHITTINGTON.

Decided December 29, 1925.

1. DESIGNS—SUBJECT MATTER OF APPLICATIONS NOT PATENTABLY DISTINCT—ELECTION.

Where the applicant filed six applications for patents for designs not patentably different from each other and, after refusal to elect when required to do so, he was notified that one of the applications would be held for 30 days to give him an opportunity to pay a further fee for an extension of term, and the application was then passed to issue and the other applications were rejected thereon, the applicant's action in paying the fee and stating that he understood this placed the case in condition for issue was a ratification of the Examiner's selection of that particular application.

2. SAME—DOUBLE PATENTING—QUESTION FOR EXAMINERS IN CHIEF.

Where the applicant filed six applications for designs at the same time and then filed a seventh showing all six forms, after which a patent issued on one of the earlier applications, the question whether the other designs are patentably different from that disclosed in the patent is a question for the determination in the first instance of the Board of Examiners in Chief.

3. SAME—SAME.

The practice of allowing design patents on numerous variants of a familiar article has been criticized by the court in a case in which, on appeal, the design patent was held invalid on the ground that the design was not patentably different from that shown in two prior patents of the same inventor, the applications for all three of such patents having been copending.

4. SAME—APPLICATION MAY DISCLOSE ONLY ONE FORM.

It is the well-settled practice of this Office in design applications to allow only one form to be shown.

ON PETITION.

DESIGN FOR INSTRUMENT DIAL PLATE.

Messrs. Burton & Burton for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions that the Examiner be instructed either to allow five design applications, Nos. 1,304 to 1,307, inclusive, and No. 1,309, or to withdraw his objection to this application on the ground that it includes more than one article of manufacture.

The record shows that applicant filed six applications, Nos. 1,304 to 1,309, inclusive; that the Examiner held that these designs, while individually patentable, are not patentably different from each other and required the applicant to elect on which one he would take a patent; that the applicant having refused to elect the Examiner notified him that one of the cases would be passed to issue—namely, 1,308—and rejected each of the other applications thereon.

Application No. 1,308 matured into Patent No. 66,594, issued February 10, 1925. The present application, which discloses all six forms, was filed December 5, 1923, the other applications having been filed on March 20, 1922.

[1] Applicant's statement that the Examiner arbitrarily chose to allow application No. 1,308, which application was passed to issue and patented, is not exactly correct, since a notice was sent in that case that the application had been found to be in condition for allowance and would be withheld from allowance for 30 days to give applicant opportunity to pay a further fee for extension of term over that originally elected. Within the 30 days a new petition was filed and the fee was paid, the letter transmitting the fee stating that "it is understood that this places the application in condition for allowance." The applicant's action was therefore a ratification of the Examiner's selection of that particular application. Instead of paying the fee for the extension applicant could have asked to have the allowance of the application withheld until the question whether the other applications disclosed subject matter patentably different therefrom was determined.

[2, 3] Obviously the question whether these other designs are patentably different from that disclosed in Patent No. 66,594 is a question for the determination, in the first instance, of the Board of Examiners in Chief. It may be noted, however, that in the case of *Mygatt* v. *M. Schaffer-Flaum Co.*, 186 F. R. 343, Judge Hough of the district court of New York criticized the practice of allowing design patents on numerous variants of a familiar article and that in the same case on appeal (191 F. R. 837) the design patent was held invalid on the ground that the design was not patentably different from that shown in two prior patents of the same inventor. The records of the Office show that the applications on which all three patents were granted were copending.

[4] As to the request that the Examiner be instructed to withdraw his requirement in this application, it need only be noted that it has been the well settled practice of this Office to design applications to allow only one form to be shown. The question of the scope of the patent is one to be determined by the courts in view of the prior art. The statute speaks of a design for "an" article of manufacture and does not contemplate the showing of a number of variants of that article in the patent.

The petition that the Examiner be required to withdraw his rejection in the other applications is dismissed, and the petition that he be required to withdraw his requirement in this application is denied.

EX PARTE KING.

Decided December 31, 1925.

DESIGNS—FORM OF CLAIM—EXAMINER'S AMENDMENT.

Petition from the action of the Examiner canceling by Examiner's amendment the words "new, original and" from the claim in an application for a design patent denied, with permission to the applicant to cancel these words by amendment in the regular way within 15 days.

ON PETITION.

Application for design patent for automobile body.

Messrs. Bradford, Morrill & Bierman for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions from the action of the Examiner in canceling by Examiner's amendment the words "new, original and" from the claim in the above-entitled application for a design patent.

Petitioner urges that the Examiner had no authority for such cancellation. In the memorandum filed October 29 petitioner contends that the cancellation of these words would seem to imply doubt as to whether or not the design is in fact new and original.

Examiners' amendments have been authorized by the Commissioner in order No. 2,308, dated March 12, 1917, and they perform a useful purpose. Attorneys of course may object to any particular amendment if in their opinion the amendment is improper. The rules of practice provide a form of claim, No. 16, page 74, which the Examiner followed in making his amendment, and which is the form that has been accepted. *Ex parte Weihman*, 118 O. G. 2252.

Petitioner's argument that the amendment may be construed as a ruling that the design is not new is not well taken. The very fact that the Patent Office allowed the design patent is an indication that the design is regarded as new.

That a mechanical invention shall be new is also a statutory requirement, and yet it is never the practice to recite in the claim that the device is new.

No good reason is seen why petitioner should not follow the established form of claim in this case. If petitioner insists upon the technical objection that the Examiner had no right under the statute and rules to cancel these words and if he prefers to cancel them by his amendment in the regular way, he may do so. The application will be withheld from issue for 15 days for this purpose.

The petition is denied except as above indicated.

CRAFT *v.* PRATT.

Decided March 19, 1925.

1. INTERFERENCE—REDUCTION TO PRACTICE—ABANDONED EXPERIMENTS.

Where practically all the testimony concerning C.'s activities relative to his alleged reduction to practice was oral testimony given five years after the event, and no report touching these experiments was made to the patent department of C.'s assignee company until two years after the experiments had taken place, when the patent department had seen and called attention to a French patent which disclosed the invention in issue, the report then made stating that the method was given up because it was not very practicable and proved too slow and inefficient for use on small articles, *Held* that the tests made were abandoned experiments.

2. SAME—SAME—EMPLOYMENT OF NEW INVENTION, AIDED BY MEANS OR METHOD WHICH HAS HERETOFORE BEEN USED FOR SAME PURPOSE.

Where in the prior art occluded gases had been removed from the anodes or plate electrodes of high-vacuum tubes by bombardment with electrons released from the heated filaments, thereby heating the anodes, and in the invention in issue the plate or anode was heated to release its occluded gases by eddy currents caused by high-frequency magnetic induction, *Held* that it was not reduction to practice of the invention to heat the anode by both high-frequency induction and bombardment.

Patent interference No. 47,424.

APPEAL from the Examiners in Chief.

MANUFACTURE OF VACUUM TUBES.

Application of Edward B. Craft filed April 7, 1921, Serial No. 459,384.

Patent granted to John B. Pratt April 12, 1921, No. 1,374,679, on application filed March 15, 1920, Serial No. 365,837.

Mr. De Witt C. Tanner, Mr. John G. Roberts, Mr. J. C. R. Palmer, and *Mr. Franklin T. Woodward* for Craft.

Mr. Albert G. Davis and *Mr. Alexander D. Lunt* for Pratt.

KINNAN, *First Assistant Commissioner:*

This is an appeal by the junior party, Craft, from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to the senior party, Pratt.

Counts 1 and 4 will serve for illustrative purposes and are as follows:

1. The method of removing gas from electrically conducting masses which consists in materially reducing the gaseous pressure in the environment of said masses and heating said masses to an elevated temperature by electric induction at sufficiently high frequency to make interlinkage with a magnetic core unnecessary.

4. The method of preparing thermionic devices to be operable with a substantially pure electron discharge which consists in evacuating said devices at an elevated temperature, heating conductive masses in said device, such as an anode, to a high temperature with a high frequency magnetic field while continuing the evacuation to remove gas evolved from said masses, and sealing said devices while highly evacuated.

The invention relates to a method practiced in the manufacture of high-vacuum tubes. When these tubes are evacuated it is necessary to remove as far as possible not only the free gases contained therein, but also such gases as are occluded in the glass and metal parts, including the electrodes. This occluded gas is released by heat while the tube is still connected to the evacuating pump. Prior to the instant invention it was common practice to denude the anode or plate electrode by bombardment—that is, the electrons released from the heated filament bombarded the anode, causing it to become heated, and thus denuded of the gases occluded therein. According to the explanation of the invention in issue the plate or anode is heated to release its occluded gases by eddy currents caused by high-frequency magnetic induction. The tubes during evacuation are interposed between or placed within induction coils connected to a high-frequency generator and by means of which the high frequency magnetic field is created.

The appellant in his brief (p. 7) states:

> It has been the practice prior to the invention in issue, and still is • • • standard practice, to heat these metal parts such as the plate electrode or anode in vacuum tubes by electron bombardment while the air pump is in action. • • • The invention in issue provides an alternative step in the process for applying the heat.

The Examiners in Chief stated, with appellant's approval, with regard to the present issue:

> The present invention involves the substitution for the electron bombardment heating step, the step of heating the metal parts to release the occluded gases by placing the tube in a high frequency magnetic field. In other respects the process here involved is generally the same as the process of the prior art.

Although Pratt is a patentee, Craft is under the burden of proving priority only by a fair preponderance of evidence, since he filed his application prior to the issuance of the Pratt patent.

The lower tribunals have held Craft the first to conceive and the last to reduce to practice. They found Craft was not exercising due diligence at the time Pratt entered the field and subsequently thereto, and accordingly awarded priority of invention to Pratt. The parties are in agreement that the controlling point in the case is whether certain tests made in December, 1917, and January, 1918, amounted to a reduction to practice of the invention in issue by Craft. If so Craft is entitled to the award as the first both to conceive and to reduce to practice. Otherwise, Craft can not prevail because he was wholly inactive from early in 1918 until long after Pratt entered the field.

The Examiners in Chief found that practically all the testimony concerning the Craft activities in December, 1917, and January, 1918, is oral testimony given five years after the event. They point out that no report touching these experiments was made to the patent department of Craft's assignee, the Western Electric Company, during the next two years; that on January 31, 1920, Mr. Beatty, of the patent department of the assignee of Craft, called the attention of Mr. Wilson to French patent, No. 493,258, which disclosed the invention in issue; and that in response Wilson, February 14, 1920, advised Beatty of these experiments, stating that—

> the high frequency method was given up as it proved too slow and inefficient from the standpoint of pumping small tubes. In addition it is not very practicable to operate on account of the high voltages used. It may, however, be of importance in the manufacture of tubes of higher power.

Beatty and Wilson communicated with each other by letters, which form parts of Craft Exhibit No. 27. The Examiners in Chief regarded the fact that the assignee company continued to heat the electrodes by bombardment instead of using high-frequency induction for this purpose, taken in connection with its lack of interest in the high-frequency induction method following these experiments and the correspondence between Beatty and Wilson—especially the letter of the latter—persuasive that the tests made in December. 1917, and January, 1918, were not regarded at that time by Craft and his assignee as successful. It considered these facts, established by the testimony, to be of greater weight than the oral testimony of Craft and the witnesses testifying on his behalf so long after the events that the experiments were successful.

Craft alleges error below in not considering and giving due weight to the Craft Exhibits Nos. 9, 18, and 19. He urges that these exhibits are written records made contemporaneously with the tests and showing that the tests were successful.

Exhibit No. 9 contains the notes alleged to have been made by Weeks during the tests, made by him and Oswald, of Craft's high-frequency method. The tests made in December, 1917, are recorded on page 73, and those made in January, 1918, are recorded on pages 75 and 77, of the exhibit. According to these notes in each of these tests the electrodes were not only subjected to high-frequency heating, but the plate and grid were also bombarded.

Exhibit No. 18 is alleged to represent the notes made by Blanchard's assistant Potter, and Exhibit No. 19 represents Blanchard's typewritten report made relative to the tests recorded in Exhibit No. 18. These tests were largely directed to other matters than the high-frequency induction treatment. However, Exhibit No. 19 contains a reference to high-frequency clean-up under the heading of miscellaneous experiments. It states:

> Eleven tubes were pumped and cleaned up by the high frequency method (heating current induced by high frequency induction coil), four of which burned out in the process, and one in testing at 1.3 amps. The time in which a tube was cleaned up was one minute. The plates and grids were very hot and the filament current was 1.4 amps.

There is no further disclosure as to the specific steps followed in cleaning up the electrodes of these tubes, or the apparatus used. In referring to the method as *the* high-frequency method it must be assumed that Blanchard meant the one previously practiced by Weeks and Oswald. In any event Exhibits Nos. 18 and 19 can not be held to disclose any more in the way of high-frequency treatment than does Exhibit No. 9 or that bombardment was not also used.

[1, 2] It is believed the Examiners in Chief correctly held that the tests made in December, 1917, and January, 1918, were abandoned experiments; but even if in these tests the electrodes were successfully denuded it does not follow that the success was due to the high-frequency method, since the electrodes were also subjected to the old bombardment method. The inclusion of the latter method would seem to preclude the possibility that the experimenters or the assignee regarded the tests, or that this Office should regard them, as a reduction to practice of the invention in issue.

The decision of the Examiners in Chief awarding priority of invention to John B. Pratt, the senior party, is affirmed.

EX PARTE ROSS.

Decided January 18, 1926.

1. APPEAL TO COMMISSIONER—AMENDMENT AFTER DECISION OF EXAMINERS IN CHIEF.

Where a new set of claims was substituted for the claims which had been considered by the tribunals below and admitted when the case was appealed from the decision of the Examiners in Chief, the old claims were no longer claims of the application.

2. APPEAL TO COURT OF APPEALS OF THE DISTRICT OF COLUMBIA—PROPOSED AMENDMENT AFTER DECISION OF COMMISSIONER.

Where new claims and amendments to the rejected claims are proposed after an adverse decision by the Commissioner, but not entered, and in a later decision the Commissioner denies a request for reopening the application and remanding the case to the Primary Examiner, appeal to the Court of Appeals of the District of Columbia must be taken within 40 days from the first-named decision.

3. SAME—EXTENSION OF PERIOD WITHIN WHICH APPEAL MAY BE PERFECTED.

An extension of the period of 40 days after an appeal has been filed within which to complete the record and perfect the appeal may be obtained by petition to the Commissioner, should such extension become necessary in order to preserve petitioner's rights.

4. RULE 139—APPEAL TO COMMISSIONER—NEWLY-DISCOVERED GROUNDS FOR REFUSAL OF PATENT—AMENDMENT OR ACTION BASED THEREON.

The last paragraph of rule 109 does not make it obligatory upon the Commissioner when he "discovers any apparent grounds for refusing Letters Patent not involved in the appeal" to remand the case to the Primary Examiner for consideration of any amendment or action based on such newly-discovered grounds, but he may do so "whenever in his opinion substantial justice shall require it."

ON PETITION.

Application for patent for color substances and process of producing same.

Mr. Edward R. Alexander and *Mr. Ray S. Gehr* for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has presented a request for clarification of the record in this case.

[1] Under three separate paragraphs petitioner has stated his interpretation of the situation in which his application is now placed and seeks confirmation of his view. As to the first paragraph, petitioner is correct in his understanding that the new claims 1 to 5, substituted for the claims 1 to 20, which had been considered by the tribunals below, are now in the application, while such former claims 1 to 20 are no longer claims of the application.

[2, 3] As to the second paragraph of the petition, applicant is in error in his view that any amendments to the claims 1 to 5 considered by the Commissioner on appeal are entered in the case. The proposed new claims 6 and 7, along with the proposed amendments to claims 1 to 5, are also not entered in the case. The decision of January 8, 1926, denied the request for reopening of the application and also denied the request for remanding the case to the Primary Examiner. All the claims of the application, claims 1 to 5, inclusive, stand rejected as of my decision of October 26, 1925. It is within 40 days from this last-mentioned date that the appeal to the Court of Appeals of the District of Columbia must be filed. Petitioner's appeal was filed on December 12, 1925, and he has 40 days from that date within which to complete the record and perfect his appeal to the court. An extension of this period can be obtained by petition to the Commissioner should such extension become necessary in order to preserve petitioner's rights.

[4] The only portion of rule 139 under which the former petition to reopen and remand to the Primary Examiner was considered is the last paragraph of such rule. This paragraph does not make it obligatory upon the Commissioner when he "discovers any apparent grounds for refusing Letters Patent not involved in the appeal" to remand the case to the Primary Examiner for consideration of any amendment or action based on such newly-discovered grounds, because such paragraph states that the case will be so remanded "whenever in his (Commissioner's) opinion substantial justice shall require it." This case has been pending in this Office for nearly five years. During that time the applicant has had ample opportunity to present and have considered any and all claims that he desired. A new set of claims was admitted when the case was appealed from the decision of the Examiners in Chief, so that applicant had still further opporunity to present amended claims. In connection with the request to reopen, filed December 12, 1925, the proposed amendments were submitted informally to the Examiner, because, from the long pendency of the case, it was not desired to permit a further delay in the progress of the case or impose upon the Examiner the necessity of going all over it again unless some merit appeared in the proposed amendments. The Examiner reported:

> I can see nothing in the proposed claims 6 and 7 or in the proposed amendments to claims 1 to 5 that makes them any more patentable than the claims appealed. I can not see wherein the color, hue, purity, brightness, chroma or what not of the paints used for the primary colors has anything to do with the alleged invention involved. The idea is an old one and I can not see how it is made a new one by a different selection of the base or primary colors used.

He stated further:

> Proposed claims 6 and 7 and amendments to claims 3, 4 and 5, are inconsistent with the description in, "having approximately the same strength" (i. e. brightness) • • • "of the colored paints from which they were derived." Page 2, line 16 and appealed claim 7 states that the paints of the subgroups have lower brightness than the primary paints used to make them.

It will thus be seen that no advantage would have accrued to the applicant by reopening the case. This being true, the Office being overburdened with work and the Examiner having exhaustively considered the application, the discretionary power reposed under rule 139 in the Commissioner was exercised and the request to reopen and remand the case to the Primary Examiner was denied.

It will be seen from the foregoing that applicant has time to perfect his appeal, and his appeal is as to claims 1 to 5, considered in my decision of October 26, 1925, and the proposed amendments and the additional claims submitted December 12, 1925, are not part of the application.

Supreme Court of the United States.

LUCKETT *v.* DELPARK, INCORPORATED.

Decided April 12, 1926.

1. JURISDICTION OF FEDERAL COURTS—PATENT LAWS—SUIT—TO ENFORCE RIGHTS UNDER CONTRACTS FOR ROYALTIES, ETC.—[illegible] RECONVEYANCE OF PATENT—FOR CANCELLATION OF AGREEMENTS OF LICENSE.

Where the main and declared purpose of a suit is to enforce the rights of the plaintiff under his contracts with defendants for royalties and for pushing the sales of a patented article, and where in addition the plaintiff seeks, for failure of condition, the reconveyance of one patent on forfeiture, in order to remove a cloud on his title, and also seeks a cancellation of all agreements of license of another patent for their breach, in order, presumably, that, unembarrassed by his assignment and licenses, he may enjoin future infringement, *Held* that the suit does not arise under the patent laws.

2. SAME — SAME — SUIT — BY PATENTEE FOR ROYALTIES UNDER A LICENSE OR ASSIGNMENT GRANTED BY HIM—FOR REMEDY IN RESPECT OF A CONTRACT PERMITTING USE OF A PATENT.

It is a general rule that a suit by a patentee for royalties under a license or assignment granted by him or for any remedy in respect of a contract permitting use of the patent is not a suit under the patent laws of the United States and can not be maintained in a Federal court as such.

3. SAME — SAME — SUIT FOR FORFEITURE OF LICENSED RIGHTS TO ENABLE COMPLAINANT TO RELY ON PATENT LAWS TO ENJOIN INFRINGEMENT AND OBTAIN DAMAGES.

Where the complainant in his bill seeks forfeiture of licensed rights in equity before he can rely on the patent laws to enjoin infringement of his patent rights and obtain damages therefor, jurisdiction under the patent laws fails.

4. SAME — SAME — SUIT FOR INJUNCTION AGAINST INFRINGEMENT AND FOR PROFITS AND DAMAGES—AVERMENTS IN BILL IN ANTICIPATION OF A DEFENSE OF LICENSE OR AUTHORITY TO USE PATENT.

A Federal district court is held to have jurisdiction of a suit by a patentee for an injunction against infringement and for profits and damages, even though, in anticipation of a defense of a license or authority to use the patent, the complainant includes in his bill averments intended to defeat such a defense. If these averments do not defeat such defense, the patentee will lose his case on the merits but the court's jurisdiction under the patent laws is not ousted.

5. SAME—SAME—SUIT BY PATENTEE UNDER CONTRACT OF LICENSE OR ASSIGNMENT, OR FOR FORFEITURE THEREOF OR RESTORATION OF TITLE—INJUNCTION ALSO ASKED.

Where a patentee complainant makes his suit one for recovery of royalties onder a contrait of license or assignment, or for damages for a breach of its covenants, or for a specific performance thereof, or asks the aid of the court in declaring a forfeiture of the license or in restoring an unclouded title to the patent, he does not give the Federal district court jurisdiction of the cause as one arising under the patent laws; nor may he confer it in such a case by adding to his bill an averment that after the forfeiture shall be declared or the title to the patent shall be restored he fears the defendant will infringe, and therefore asks an injunction to prevent it.

6. SAME—SAME—SUIT BASED ON CONTRACT OF LICENSE OR ASSIGNMENT—MAY NOT BE MADE A PATENT CASE CONDITIONED ON SECURING EQUITABLE RELIEF AS TO THE CONTRACT.

When a patentee bases his action on a contract of license or assignment and seeks remedies thereunder, he may not give the case a double aspect and make it a patent case conditioned on his securing equitable relief as to the contract.

APPEAL from the District Court for the District of New Jersey.

Mr. Thomas J. Johnston for Luckett.

Mr. Archibald Cox for Delpark, Inc.

Mr. Chief Justice TAFT delivered the opinion of the Court.

Philip A. Luckett is a citizen of Connecticut. He brought this bill in equity in the District Court of the United States for the District of New Jersey against Delpark, a corporation of New York, and against Parker, Ford & Dick, a corporation, formerly known as the Luckett Company, organized in the State of Maryland. Appearing for the purpose of the motion only, the defendants filed a motion to dismiss, because the court was without jurisdiction to entertain the bill. The certificate by the district court shows its dismissal on that ground September 17, 1924. This appeal was allowed November 24, 1924, so that it is maintainable under section 238 of the Judicial Code, in accordance with the saving provision of section 14 of the act of February 13, 1925, 43 Stat. 942.

Section 51 of the Judicial Code provides that where the jurisdiction is founded on the fact that the action is between citizens of different States, suits shall be brought only in the district of the residence of either the plaintiff or the defendant. The requisite diverse citizenship between the plaintiff and the defendants exists in this suit, but the district of New Jersey is not the district of the residence of either the plaintiff or the defendants. And against defendants' objection, jurisdiction on that ground can not be sustained.

The plaintiff asserts that jurisdiction exists as of a suit under the patent laws under the Judicial Code, section 24, paragraph 7, section 48 and section 256. Section 48 provides that—

> in suits for the infringement of Letters Patent, the District Courts of the United States shall have jurisdiction in law or in equity in the district of which the defendant is an inhabitant, or in any district in which the defendant, whether a person, partnership or corporation, shall have committed acts of infringement and have a regular and established place of business.

The question in this case, then, is whether, it being averred that the defendants regularly do business in New Jersey, and have made and sold there the patented articles referred to in the bill, its allegations make the suit one arising under the patent laws.

The bill shows that two patents were issued to Luckett, one on November 12, 1918, No. 1284391, and the other on October 12, 1915, No. 1156301, for a method of making undergarments known as union suits. The later patent, No. 1284391, is averred to be the generic and the broader invention, while the earlier patent, No. 1156301, is a specific and narrower one. After the later patent was applied for, but before it was granted, Luckett gave a nonexclusive license for manufacture and sale of the garments under it to the Delpark corporation. This reserved to Luckett a royalty on all garments manufactured and sold under it, the

licensee covenanting to give access to its books of account. A supplementary agreement made the license exclusive. Later, Luckett gave to the other defendant, Parker, Ford & Dick, an assignment of the Letters Patent No. 1156301, under which a particular union suit known as the "My Pal" suit is made, with conditions subsequent that the assignee should pay certain royalties, should keep the accounts open for inspection, and should push vigorously the sale of "My Pal" suits, and with a provision that if any condition subsequent failed the title to the Letters Patent assigned should revert to Luckett, on his giving the assignee 30 days' notice in writing of his election to resume title. All the contracts of license and assignment made by the plaintiff with each of the defendants are attached to the bill as exhibits.

The averments of the bill are that Delpark, Incorporated, has acquired control of the stock of the Parker, Ford & Dick corporation, and the defendants are acting together; that the Delpark corporation refuses to pay to Luckett any royalties due under its exclusive license of the generic patent; that the Parker, Ford & Dick corporation refuses to pay any royalties under plaintiff's assignment to it of the specific patent, and refuses to push the sale of "My Pal" suits; that this refusal is to prevent competition of the "My Pal" suits with the Delpark suits and thus deprives plaintiff of royalties on the "My Pal" suits. The plaintiff avers that on November 27, 1918, by notice in writing he cancelled his assignment to the Parker, Ford & Dick corporation, for failure of condition subsequent, and resumed his title to Letters Patent No. 1156301.

The seventeenth paragraph in the bill, and the only one which uses the word "infringement", is as follows:

(XVII) And your orator further shows unto your honors, that Delpark, Incorporated, is a large concern with substantial capital, and ever since the issue of Letters Patent No. 1,284,391 on November 12, 1918, has been actively engaged in the manufacture and sale of the Delpark garment so-called, which infringes the claims of the said Letters Patent and also the claims of Letters Patent No. 1,156,301; and that large numbers of the said garment have been made and sold upon which royalties are now due to your orator, the amount of which he is wholly unable to state with definiteness, but which is far larger than three thousand dollars, exclusive of interest and costs; and that though often requested as hereinbefore set out, no accounting has ever been had between your orator and Delpark, Incorporated, or Parker, Ford & Dick, Inc., either as to royalties due or as to damages for failure to observe the contract to exploit the "My Pal" garment.

The plaintiff sets out 13 prayers for equitable relief. He asks that the defendants file statements of the garments made and sold under both patents containing retail prices at which the garments were sold, in order to show the royalties due; also a statement of the orders received for the "My Pal" garments but not filled, with prices, to show the royalties lost; and that they be compelled to permit access to their books of account. He further prays that the Parker, Ford & Dick Corporation be required to execute a formal reassignment of Letters Patent No. 1,156,301 to the complainant so as to remove the cloud from his title to that patent, and that an order issue cancelling the licenses and agreements made with both defendants. He prays for damages for suppressing the "My Pal" garment, and the failure properly to exploit it as agreed.

In prayer J, the plaintiff asks that a preliminary injunction issue against both defendants to prevent their making sale or delivery of the so-called Delpark garment or the so-called "My Pal" garment, or any other garment infringing the claims of the two Letters Patent of the plaintiff, until further order of court. By prayer K, a similar permanent injunction is asked. There is a prayer for an order sending the cause to a master to take and state the account of profits and damages both as to royalties due and accrued, and as to damages for suppression of the "My Pal" garment and to report the same to the court.

[1] We do not think that this suit arises under the patent laws. Its main and declared purpose is to enforce the rights of the plaintiff under his contracts with defendants for royalties and for pushing the sales of "My Pal" garments. In addition he seeks the reconveyance of one patent on forfeiture for failure of condition to remove a cloud on his title and a cancellation of all agreements of license of the other for their breach in order presumably that unembarrassed by his assignment and licenses, he may enjoin future infringement.

[2] It is a general rule that a suit by a patentee for royalties under a license or assignment granted by him, or for any remedy in respect of a contract permitting use of the patent is not a suit under the patent laws of the United States, and can not be maintained in a Federal court as such. *Wilson* v. *Sandford*, 10 How. 99; *Brown* v. *Shannon*, 20 How. 55; *Hartell* v. *Tilghman*, 99 U. S. 547; *Albright* v. *Teas*, 23 O. G. 829; 106 U. S. 613; *Dale Tile Manufacturing Company* v. *Hyatt*, 43 O. G. 249; 125 U. S. 46; *Marsh* v. *Nichols, Shepard & Company*, 56 O. G. 259; 140 U. S. 344; *Briggs* v. *United Shoe Machinery Company*, 221 O. G. 1039; 239 U. S. 48.

In *Wilson* v. *Sandford*, supra, a bill in equity was filed in a Federal circuit court setting forth complainant's ownership of a patent, an assignment to defendants of a license in consideration of five promissory notes, with a condition of reversion to complainant on failure to pay any note. The bill averred that the first two notes were not paid, insisted that the license was forfeited by the failure and the licensor was fully reinvested at law and in equity with all his original rights, that the defendants were using the patented machine and were infringing the patent, prayed an account of profits since forfeiture, a temporary and permanent injunction, and a reinvestiture of title in the complainant. On demurrer, the bill was dismissed for lack of jurisdiction as not arising under the patent laws. Chief Justice Taney, speaking for the Court, said:

The rights of the parties depend altogether upon common law and equity principles. The object of the bill is to have the contract set aside and declared to be forfeited; and the prayer is, "that the appellant's reinvestiture of title to the license granted to the appellees, by reason of the forfeiture of the contract, may be sanctioned by the Court," and for an injunction. But the injunction he asks for is in consequence of the decree of the Court sanctioning the forfeiture. He alleges no ground for an injunction unless the contract is set aside. And if the case made in the bill was a fit one for relief in equity, it is very clear that whether the contract ought to be declared forfeited or not, in a court of chancery, depended altogether upon rules and principles of equity, and in no degree whatever upon any act of Congress concerning patent rights.

The bill in the present case can not in any respect be distinguished from that in *Wilson* v. *Sandford*, as this language of the opinion shows. But counsel for the appellant here insists that a new and more liberal rule has been adopted by this Court in later cases, and that the time has now come for recognizing it by taking what he calls the last step.

[3] In the common feature of *Wilson* v. *Sandford* and the case before us, jurisdiction fails because the complainant in his bill seeks forfeiture of licensed rights in equity before he can rely on the patent laws to enjoin infringement of his patent rights and obtain damages therefor. There has been no variation from the authority and effect of the case cited on this point. *New Marshall Co.* v. *Marshall Engine Co.*, 177 O. G. 1047; 223 U. S. 473, 480. *White* v. *Lee*, 3 Fed. 222; *Adams* v. *Meyrose*, 7 Fed. 208; *Standard Dental Mfg. Co.* v. *National Tooth Company*, 95 Fed. 291; *Atherton Machine Company* v. *Atwood-Morrison Company*, 102 Fed. 949, 955, approved in *Excelsior Wooden Pipe Company* v. *Pacific Bridge Company*, infra, at p. 294; *Victor Talking Machine Company* v. *The Fair*, 123 Fed. 424, 425; *Comptograph Co.* v. *Burroughs Adding Machine Co.*, 175 Fed. 787; *American Graphophone Co.* v. *Victor Talking Machine Co.*, 188 Fed. 431; *Lowry* v. *Hert*, 290 Fed. 876.

The cases cited as qualifying *Wilson* v. *Sandford* are *White* v. *Rankin*, 59 O. G. 1606; 144 U. S. 628; *Excelsior Wooden Pipe Company* v. *Pacific Bridge Company*, 99 O. G. 2102; 185 U. S. 282; *Henry* v. *Dick Co.*, 176 O. G. 751; 224 U. S. 1; *The Fair* v. *Kohler Die Company*, 189 O. G. 1033; 228 U. S. 22; *Healy* v. *Sea Gull Specialty Company*, 218 O. G. 604; 237 U. S. 479, and *Geneva Furniture Co.* v. *Karpen*, 217 O. G. 1343; 238 U. S. 254. We think that none of these cases shakes the authority of *Wilson* v. *Sandford* upon the point here in question, or can be used to sustain the present bill. The case which has been "blown upon" is that of *Hartell* v. *Tilghman*, supra, in which the opinion of the Court was delivered by Mr. Justice Miller, speaking for himself and three other Justices, and in which Mr. Justice Bradley announced a dissenting opinion in which two others concurred. That case was a suit in equity in which the complainant set up a process patent and complained that defendants were infringing by using the process without license and prayed an injunction and a decree for profits and damages. The bill further averred that negotiations had been had between the parties looking to a license, beginning with a verbal agreement by complainant that he should put up machinery for use of defendants in their shop in using the patent, and that thereafter defendants should take a license on certain well-understood conditions, that complainant under the verbal agreement put up the machinery and was paid for it and received royalties under it for use of the patent for some months, that on tender of contract forms for the license defendants refused to sign, and that on such refusal complainant forbade defendants to use the process and brought the suit. The majority relied on *Wilson* v. *Sandford*, and held that the suit was not under patent laws, that complainant could not himself rescind the verbal contract, treat it as a nullity and charge the defendants as infringers, but must preliminarily seek recission in a court of equity. Mr. Justice Bradley's view was that the plaintiff in his bill had chosen to place himself on the infringement of his patent as his sole ground and that by anticipation of the defense and his answer to it in his bill as allowed by equity pleading, he did not change its nature.

In *White* v. *Rankin*, supra, it was held that a bill in equity for the infringement of Letters Patent for an invention in the usual form, which did not mention or refer to any contract with the defendants for the use of the patent, could not be dismissed for lack of jurisdiction, because the defendants in a plea set up an agreement in writing between the plaintiffs and one of the defendants to assign to him an interest in the patent on certain conditions which he alleged he had performed, and certain other matters which it was alleged had given the defendant the right to make, use and sell the patented invention. The plea being overruled and the answer filed, a stipulation in writing was entered into admitting that the defendants had made and sold the articles containing the patented inventions, and that a certain written agreement had been made to the purport before mentioned. The decision of the Court was that the jurisdiction was established by the averments of the bill and that the defense constituted a mere issue as to the title to the patent, but coud not oust the jurisdiction which rested on the averments of the bill.

In *Excelsior Wooden Pipe Company* v. *Pacific Bridge Company*, supra, an exclusive licensee filed a bill against the patentee and another party to whom the patentee had granted a conflicting license. This Court held that the patent jurisdiction of the court was not ousted by reason of allegations in the answer that the plaintiff had forfeited all his rights under the license through his failure to comply with its terms and conditions, by reason of which the license had been revoked by the patentee. Complainant was an exclusive licensee which sought damages for infringement of its license and the patent against the patentee and one to whom he had granted a subsequent and conflicting license. In such a case the licensee had the right to sue the patentee on the patent. *Littlefield* v. *Perry*, 21 Wall. 205; *Independent Wireless Telegraph Company* v. *Radio Corporation of America*, opinion January 11, 1926, 344 O. G. 3. The case was held to be a suit for infringement under the patent laws, jurisdiction in which was not ousted because the patentee had led a third person to infringe the patent and the first license.

In *Henry* v. *Dick Company*, supra, the patentee for a kind of ink filed a bill for infringement against the users of his patent whom the bill showed to be using the ink in connection with unpatented supplies not made by the patentee in violation of a license from the patentee limited to its use with its supplies. The case has been since reversed on the merits, *Motion Picture Co.* v. *Universal Film Co.*, 238 O. G. 311; 243 U. S. 502, but not on the point of jurisdiction. It was objected that the suit was not a suit under the patent laws but a suit on the license contract. It was held that the patentee might waive the contract and sue on the tort of infringement, that jurisdiction must depend on the remedy it chose and sought in its bill, and that as the patentee had neither sued on the broken contract of license nor asked to have it forfeited by the court, the jurisdiction under the patent laws was not ousted.

In *The Fair* v. *Kohler Die & Specialty Company*, supra, the Kohler Company brought a bill in equity to enjoin The Fair from making and vending certain devices and selling them at less than $1.50 each, and asked an account and triple damages. The bill alleged that plaintiff had the sole and exclusive right to make and sell devices and that the defendant had full notice thereof and was selling the same without license from the plaintiff. It alleged that the plaintiff when it sold imposed the condition that the goods should not be sold at less than $1.50, and attached to the goods a notice to that effect, and that any sale in violation of that condition would be an infringement. It further averred that the defendant obtained a stock of the devices with notice of the conditions and sold them at $1.25 each, in infringement of the plaintiff's right under the patent. The defendant pleaded specially that he had purchased these devices from a jobber who had paid full price to the plaintiff, and that there was no question arising under the patent or other laws of the United States, and that the court had no jurisdiction of the case. The case came on for hearing on the plea. This Court held that on the bill the plaintiff made a case under the patent laws in that it set up the patent, charged infringement, and sought triple damages, and that in showing later in the bill that the infringement consisted in a sale at a less price than that which it had authorized in an admitted license, it did not oust the court of jurisdiction, because it might appear upon further hearing of the cause on its merits that the restriction of the license upon which the claim of infringement was based was not valid.

In *Healy* v. *Sea Gull Specialty Company*, supra, the bill alleged ownership of the exclusive right to make and use box making machines and sell boxes containing the patented improvements. It further alleged that the defendant was infringing the patents and would continue to do so unless restrained. Anticipating a defense, the plaintiff set out a license to the defendant, a breach of its conditions and a termination of the same. It added that the license contained a stipulation that in case of any suit for infringement, the measure of recovery should be the same as the royalty agreed upon for the use of the inventions, and another for the return of the machines let to the defendant while the license was in force. The bill prayed for an injunction against making, using or selling the boxes or machines, for an account of profits received by reason of the infringement, for triple the damages measured as above stated, and for the surrender of the machines. In sustaining the jurisdiction as arising under the patent laws, the Court used these words:

> It may be that the reasoning of *The Fair* v. *Kohler Die & Specialty Company*, 228 U. S. 22, is more consistent with that of Mr. Justice Bradley's dissent in *Hartell* v. *Tilghman*, 99 U. S. 547, 556 (a decision since explained and limited, *White* v. *Rankin*, 144 U. S. 628), than with that of the majority, but it is the deliberate judgment of the Court and governs this case. As stated there, the plaintiff is absolute master of what jurisdiction he will appeal to; and if he goes to the district court for infringement of a patent, unless the claim is frivolous or a pretence, the district court will have jurisdiction on that ground, even though the course of the subsequent pleadings reveals other more serious disputes. *Excelsior Wooden Pipe Co.* v. *Pacific Bridge Co.*, 185 U. S. 282. Jurisdiction generally depends upon the case made and relief demanded by the plaintiff, and as it can not be helped, so it can not be defeated by the replication to an actual or anticipated defense contained in what used to be the charging part of the bill. For the same reason it does not matter whether the validity of the patent is admitted or denied.
>
> As appears from the statement of it, the plaintiffs' case arose under the patent law. It was not affected by the fact that the plaintiffs relied upon a contract as fixing the mode of estimating damages or that they sought a return of patented machines to which if there was no license they were entitled. These were incidents. The essential features were the allegation of an infringement and prayers for an injunction, an account of profits and triple damages—the characteristic forms of relief granted by the patent law. The damages were grounded on the infringement, and the contract was relied upon only as furnishing the mode in which they should be ascertained.

In *Geneva Furniture Co.* v. *Karpen*, supra, the patentee charged the defendants in his bill in equity with contributing to the infringement by wrongfully persuading the licensees of the complainant to use the patent in circumstances not authorized by the license, second, with wrongfully procuring such licensees to violate their licenses in particulars not bearing on the charge of infringement, and third, with refusing to perform stipulations by which defendants agreed to assign other patents to plaintiff. Jurisdiction of the Court under the patent laws which was the sole basis of jurisdiction was sustained for the first branch of the suit, because the claim of infringement was not frivolous but substantial and there was jurisdiction whether the claim ultimately was held good or bad. The remainder of the bill was found not sustainable as arising under the patent laws because based on contract, and while under the equity practice the parts of the bill were properly joined, such practice must yield to a jurisdictional statute, and the bill was dismissed as to its second and third branches.

[4, 5, 6] The result of these cases is that a Federal district court is held to have jurisdiction of a suit by a patentee for an injunction against infringement and for profits and damages, even though in anticipation of a defense of a license or authority to use the patent, the complainant includes in his bill averments intended to defeat such a defense. If these averments do not defeat such defense, the patentee will lose his case on the merits, but the Court's jurisdiction under the patent laws is not ousted. The error in *Hartell* v. *Tilghman*, supra, was in denying jurisdiction under the patent laws when the patentee based his action broadly on his patent and averment of infringement seeking injunction and damages. His averments intended to constitute a reply to the anticipated defense that the defendant was a licensee did not change the nature of his declared choice of a suit under the patent laws. This under the principle now established by the later cases, and especially *The Fair* v. *Kohler Die & Specialty Company*, and *Healy* v. *Sea Gull Specialty Company* is clear. But the present qualification of the Hartell case does not affect the principle laid down in *Wilson* v. *Sandford*, that where a patentee complainant makes his suit one for recovery of royalties under a contract of license or assignment, or for damages for a breach of its covenants, or for a specific performance thereof, or asks the aid of the Court in declaring a forfeiture of the license or in restoring an unclouded title to the patent, he does not give the Federal district court jurisdiction of the cause as one arising under the patent laws. Nor may he confer it in such a case by adding to his bill an averment that after the forfeiture shall be declared, or the title to the patent shall be restored, he fears the defendant will infringe and therefore asks an injunction to prevent it. That was *Wilson* v. *Sandford*. If in that case the patentee complainant had based his action on his patent right and had sued for infringement, and by anticipation of a defense of the assignment had alleged a forfeiture by his own declaration without seeking aid of the Court, jurisdiction under the patent laws would have attached, and he would have had to meet the claim by the defendant that forfeiture of the license or assignment and restoration of title could not be had except by a decree of a court, which if sustained, would have defeated his prayer for an injunction on the merits. But when the patentee exercises his choice and bases his action on the contract and seeks remedies thereunder, he may not give the case a double aspect, so to speak, and make it a patent case conditioned on his securing equitable relief as to the contract. That is the principle settled by *Wilson* v. *Sandford* and is still the law.

It is true that in Mr. Justice Bradley's dissenting opinion, in *Hartell* v. *Tilghman*, supra, p. 559, he says in reference to *Wilson* v. *Sandford*, that if the question were a new one he would think that it would not oust the jurisdiction under the patent laws for the complainant to join in a bill for infringement as ancillary to the relief sought an application to avoid an inequitable license. But no subsequent case has gone so far and we are not disposed to depart from the rule of *Wilson* v. *Sandford*, whatever might be our conclusion if it were a new question. Moreover, the bill in this case, as we have already fully pointed out, is really not based on threatened infringement but on the contracts; and its reference to infringements is inadequate even to present a bill in the form suggested by Mr. Justice Bradley.

The judgment of the district court is affirmed.

ADJUDICATED PATENTS.

(C. C. A. Pa.) The Morrow patent, No. 1,064,850, for reenforced concrete construction, *Held* invalid. *Morrow* v. *Oelschlager*, 11 F. (2d) 524.

(C. C. A. Pa.) The Flock patent, No. 1,075,346, for a hosiery-finishing board, claims 3 and 4 *Held* not infringed. *Paramount Textile Machinery Co.* v. *Snyder*, 11 F. (2d) 478.

(C. C. A. Ohio.) The Emery reissue patent, No. 15,641, for artificial fruit and method of producing it, claims 6–9, 11–15 *Held* valid. *Emery* v. *George H. Bowman Co.*, 11 F. (2d) 525.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,321,061, Lamb and Hoover, Absorbent, decided April 5, 1926, claims 8 and 9.

Pat. 1,430,656, O. H. Jobski, Rim, decided April 19, 1926, claims 1, 4, and 6.

Pat. 1,433,002, N. L. Gulliford, Heel-shaping machine, decided April 5, 1926, claims 1 and 2.

Pat. 1,521,046, G. Reisinger, Bumper for vehicles, decided April 21, 1926, claims 1 and 2.

Pat. 1,534,091, C. H. Smoot, Viscosity regulator, decided April 26, 1926, claims 1 to 7, inclusive.

Pat. 1,541,637, F. Geistharp, Method and apparatus for making wire glass, decided April 24, 1926, claim 1.

Pat. 1,543,846, C. C. Hansen, Double-drum hoist, decided April 24, 1926, claim 2.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 44,290, Certain named meats, Tennessee Packing & Provision Company, Nashville, Tenn. Registered March 7, 1905. Decided April 19, 1926.

T. M. 63,296, Sugar-cured meats, Tennessee Packing & Provision Company, Nashville, Tenn. Registered June 11, 1907. Decided April 19, 1926.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

959,496, 1,135,511, G. G. Floyd, Razor-blade sharpener, suit filed Apr. 27, 1926, D. C. Md., Doc. E 1130, *C. N. Jones et al.* v. *J. M. Brown et al.*

997,331, F. Schutze, Manufacture of teats for baby soothers and pacifiers, suit filed Apr. 27, 1926, D. C., S. D. N. Y., Doc. E 36/314, *F. Schutze et al.* v. *Swan Import Co. et al.*

1,000,390, T. Fanta, Undershirt, bill dismissed Apr. 27, 1926, D. C., S. D. N. Y., Doc. E 33/37, *Earnshaw Knitting Co.* v. *Rubens & Marble, Inc.*

1,035,054, J. H. Schenck, Chiropractor's adjusting table; 1,079,795, F. M. Naysmith, same, suit filed Apr. 23, 1926, D. C., S. D. Iowa (Davenport Div.), Doc. E 4083, *E. F. Lundeen* v. *Palmer School of Chiropractic.*

1,079,795. (See 1,035,054.)

1,098,912, F. A. Law, Gearing, suit filed Feb. 26, 1926, D. C., W. D. Mich. (S. Div.), Doc. 2053, *The Warford Corp. et al.* v. *Fuller & Sons Mfg. Co.* Decree dismissing bill by stipulation of parties (notice dated Mar. 3, 1926).

1,104,652, H. Gehnrich, Portable oven, consent decree for plaintiff Apr. 26, 1926, D. C. Minn. (4th Div.), Doc. E 413, *Gehnrich Indirect Heat Oven Co., Inc.*, v. *Despatch Mfg. Co.*

1,135,511. (See 959,496.)

1,244,216, I. Langmuir, Electron-discharge apparatus and method of preparation; 1,244,217, same, Electron-discharge apparatus and method of operating same; 1,529,597, same, Electron-emitting device and method of preparation, suit filed Apr. 28, 1926, D. C. Del., Doc. E 598, *General Electric Co.* v *De Forest Radio Co.*

1,244,217. (See 1,244,216.)

1,404,539, C. K. Nelson, Confection, decree Apr. 19, 1926, holding patent valid and infringed; also trade-marks "Eskimo Pie" and "Pie" held valid and infringed, perpetual injunction granted, D. C. Del., Doc. E 574, *Eskimo Pie Corp.* v. *National Ice Cream Co.*

1,406,109, W. E. Trent, Grinding machine; 1,420,163, same, Method of cleaning coal; 1,420,164, 1,420,165, same, Process of purifying materials, decree dismissing bill without prejudice Apr. 3, 1926, D. C. Del., Doc. E 564, *J. R. Paull* v. *Trent Process Corp.*

1,420,163. (See 1,406,109.)

1,420,164. (See 1,406,109.)

1,420,165. (See 1,406,109.)

1,436,050. (See Re. 15,569.)

1,468,954. (See Re. 15,569.)

1,494,365, S. S. McKnight, Crown-feed device for bottling machine, suit filed Apr. 9, 1926, D. C. Md., Doc. E 1125, *S. S. McKnight* v. *W. L. Burns et al.* (*Burns Bottling Machine Works*).

1,495,439. (See 1,581,574.)

1,529,363, Markel & Smith, Electric-light fixture; Des. 66,561, L. C. Fried, Wall bracket for electric lamps, consent decree Apr. 30, 1926, holding patents valid and infringed to nominal extent, injunction granted, D. C., N. D. Ohio (E. Div.), Doc. 1773, *Markel Lighting Fitments, Inc.*, v. *Kronenberg* (*Acme Mfg. Co.*).

1,529,461, Brogden & Trowbridge, Art of preparing fresh fruit for market, suit filed Apr. 15, 1926, D. C. Del., Doc. E 593, *Brogden Co.* v. *American Fruit Growers, Inc.*

1,529,597. (See 1,244,216.)

1,552,284, D. D. Evins, Process of spinal analysis, suit filed Mar. 8, 1926, D. C., S. D. Iowa (Davenport Div.), Doc. 4081, *The Palmer School of Chiropractic* v. *J. W. Healey et al.*

1,564,909, T. C. Steiner, Glass-feeding mechanism; 1,573,742, K. E. Peiler, Feeding molten glass, suit filed Apr. 27, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 413, *Hartford-Empire Co.* v. *The Nivison-Weiskopf Co.*

1,566,014, F. L. Johnson, Collapsible-tire core, decree Apr. 28, 1926, holding patent valid and infringed, injunction granted, D. C., N. D. Ohio (E. Div.), Doc. 1698, *F. L. Johnson* v. *The National Tire & Rubber Co.*

1,573,742. (See 1,564,909.)

1,581,574, Heath & Heath, Hollow wall construction and building block; 1,495,439, G. D. Reagan, Tile brick or building tile, suit filed Apr. 27, 1926, D. C., W. D. Okla., Doc. E 798, *F. T. Heath* v. *G. D. Reagan.*

Re. 15,569, 1,436,050, L. Ottinger, Latch; 1,468,954, S. M. Bradley, Latch for vehicle doors, suit filed Apr. 26, 1926, D. C., E. D. Mich. (S. D.), Doc. 1502, *L. Ottinger et al.* v. *Ferro Stamping & Mfg. Co.*

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, suit filed Apr. 28, 1926, D. C., N. D. Ohio, W. D., Doc. E 643, *The Coca Cola Co.* v. *Mrs. Emma Disel* (*Glenwood Bowling Alleys*).

T. M. 47,189. (See T. M. 22,406.)

Des. 66,561. (See 1,529,363.)

TRADE-MARKS CANCELED.

101,096. Cleaner for removing dirt, grease, or stains. Great Western Remedy Co., Davenport, Iowa. Registered November 10, 1914. Canceled May 20, 1926.

105,350. Men's, women's, and children's shoes. J. B. Greenhut Co., successors to Greenhut-Siegel-Cooper Co., Inc., New York, N. Y. Registered July 20, 1915. Canceled May 17, 1926.

184,665. Cheese. Gerber & Co., A. G., Thoune, Switzerland. Registered May 27, 1924. Canceled May 17, 1926.

189,762. Certain named nonelectrical irons and appliances for shaping human hair. A. Breslauer, Inc., New York, N. Y. Registered September 23, 1924. Canceled May 20, 1926.

206,878. Certain named articles of outer clothing. The Hub, Henry C. Lytton & Sons, Chicago, Ill. Registered December 8, 1925. Canceled May 17, 1926.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 8, 1926.

[VOL. 347. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 163,883. (CLASS 32. FURNITURE AND UPHOLSTERY.) KINNEY-ROME COMPANY, Chicago, Ill. Filed May 15, 1922.

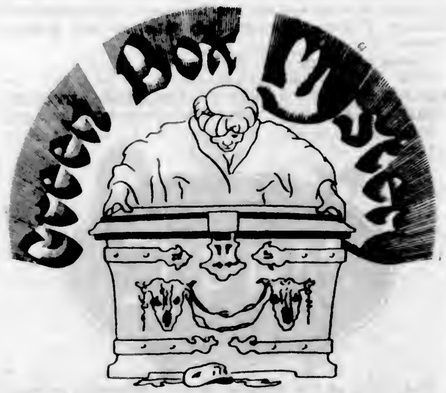
Particular description of goods.—Bed Springs.
Claims use since Apr. 24, 1917.

Ser. No. 175,355. (CLASS 39. CLOTHING.) HURLEY SHOE CO., Rockland, Mass. Filed Jan. 31, 1923.

GRIPSEM ARCH

Particular description of goods.—Shoes Having Uppers of Leather or Fabric, or Leather and Fabric.
Claims use since Dec. 30, 1922.

Ser. No. 193,505. (CLASS 2. RECEPTACLES.) FLOYD G. COOPER, Woodward, Iowa. Filed Mar. 10, 1924.



Particular description of goods.—Empty Ornamental Boxes Usually Made of Pasteboard.
Claims use since Feb. 23, 1924.

Ser. No. 193,754. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BIG STORE COMPANY, Cincinnati, Ohio. Filed Mar. 14, 1924.

No claim is made to the exclusive use of words "Big Store" and "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Sporting Goods—Namely, Baseball Gloves, Footballs, Boxing Gloves, Baseballs, Fielders' Gloves, Baseball Mitts, and Basket Balls.
Claims use since Oct. 10, 1896.

Ser. No. 201,698. (CLASS 39. CLOTHING.) DUANE SHOE COMPANY, New York, N. Y., Boston, Mass., Philadelphia, Pa., and Chicago, Ill. Filed Aug. 21, 1924.

Rainbow Shoes

SUNSHINE WITH EVERY PAIR

No claim is made for the word "Shoes" apart from the mark shown.
Particular description of goods.—Women's Leather Shoes.
Claims use since July 8, 1924.

Ser. No. 202,239. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BRITTON T. and S. P. DAY COMPANY, doing business as The Day-Kingsley Dryer Company, Cleveland, Ohio. Filed Sept. 5, 1924.

GALVANIC Overcoating

No claim is made for the use of the word "Overcoating" aside from the mark as shown.
Particular description of goods.—Paints for Metals.
Claims use since Dec. 15, 1922.

Ser. No. 208,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPHE SCHLOSS FILS & CIE, Paris, France. Filed Jan. 21, 1925.

BERTHONETTE

Particular description of goods.—Perfumes and Hygienic Products—Namely, Extracts, Bath Salts, Astringents, Cold Creams, Face Packs, Shampoos, Talcum Powders, Eyedrops, Toilet Waters, Smelling Salts, Aromatic Vinegars, Skin Creams, Face Powders, Rouges, Skin Bleaches, Lip Sticks, Eyebrow Pencils, and Hair, Face, Hand, and Foot Lotions.
Claims use since Dec. 1, 1924.

Ser. No. 210,659. (CLASS 32. FURNITURE AND UPHOLSTERY.) HENRY L. GUTH, doing business as Henry L. Guth Associates, Allentown, Pa. Filed Mar. 7, 1925.

No exclusive claim to the words "Tables" and "For Every Business" is made apart from the mark shown.
Particular description of goods.—Furniture Tables.
Claims use since Jan. 1, 1925.

Ser. No. 210,818. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNITED STATES FUEL COMPANY, Salt Lake City, Utah. Filed Mar. 10, 1925.

The word "Coal" is disclaimed apart from the other features of the mark shown on the drawing.
Particular description of goods.—Coal.
Claims use since 1912.

Ser. No. 210,845. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROS. & CO., Louisville, Ky. Filed Mar. 11, 1925.

PARAMOUNT

Particular description of goods.—Bottled Salad Dressing.
Claims use since Aug. 2, 1920.

Ser. No. 211,707. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RIODELA CHEMICAL COMPANY, Wilmington, Del. Filed Mar. 26, 1925.

Particular description of goods.—Washing and Cleaning Compound.
Claims use since Feb. 26, 1923.

Ser. No. 211,754. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MIROLOID CORPORATION, Boston, Mass. Filed Mar. 27, 1925.

Miroloid

Particular description of goods.—Paint Enamels, Lacquers, Enamel and Lacquer Removers, Paint Removers, Primers, Fillers, Thinners, Top Glosses, and Rubbing Pastes.
Claims use since Nov. 1, 1924.

Ser. No. 212,575. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE SMOKERSET CO., INC., New York, N. Y. Filed Apr. 11, 1925.

The lining of the drawing of the trade-mark indicates shading and not color.
Particular description of goods.—Ash Trays, Smoking Sets, and Humidors.
Claims use since Mar. 26, 1925.

Ser. No. 212,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DRAPER ENGINE WORKS CO., Seattle, Wash. Filed Apr. 14, 1925.

Particular description of goods.—Logging Blocks.
Claims use since May 1, 1922.

Ser. No. 212,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL M. CRAWFORD, Olive, Calif. Filed Apr. 18, 1925.

DESERT

Particular description of goods.—Fresh Grapes.
Claims use since June 26, 1924.

Ser. No. 213,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INCORPORATED, New York, N. Y. Filed Apr. 21, 1925.

PARK LANE

Particular description of goods.—Candy.
Claims use since July 1, 1924.

Ser. No. 214,065. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUANE REMEDIES CORPORATION, New York, N. Y. Filed May 9, 1925.

PAIN CRACKER

Particular description of goods.—Medicinal Plasters—Namely, Plasters and Poultices for Medicinal Purposes to be Applied Externally for Treatment of Inflammation and Congestion.
Claims use since Apr. 3, 1925.

Ser. No. 214,469. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALLIS INC., Cincinnati, Ohio. Filed May 18, 1925.

Peter Pan

Particular description of goods.—Toilet Preparations—Namely, Talcum Powder, Face Powder, Toilet Water, Perfumes, Creams, and Lotions.
Claims use since May 1, 1920.

Ser. No. 215,636. (CLASS 17. TOBACCO PRODUCTS.) LARUS & BROTHER CO. INCORPORATED, Richmond, Va. Filed June 11, 1925.

Particular description of goods.—Plug Tobacco and Cigarettes.
Claims use since 1881.

Ser. No. 215,752. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEWIS E. MYERS AND COMPANY, Valparaiso, Ind. Filed June 13, 1925.

The mark is encircled in two circles. "Hy-San."
Particular description of goods.—Pencils that Dissolve into Paint.
Claims use since April, 1923.

Ser. No. 215,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGUE RIVER VALLEY CANNING CO., Medford, Oreg. Filed June 15, 1925.

Crater Lake

Particular description of goods.—Canned Fruits—Namely Pears; Canned Vegetables—Namely, Tomatoes; Soups, Corned Beef, Corned-Beef Hash, Corned Beef and Cabbage, and Minced Boneless Chicken.
Claims use since 1922.

Ser. No. 215,827. (CLASS 37. PAPER AND STATIONERY.) STRATHMORE PAPER COMPANY, Mittineague, Mass. Filed June 15, 1925.

Saxon Manuscript Cover

Applicant disclaims an exclusive right to the words "Manuscript Cover" apart form the mark shown in the drawing.

Particular description of goods.—Cover Paper.

Claims use since June, 1904.

Ser. No. 215,828. (CLASS 37. PAPER AND STATIONERY.) STRATHMORE PAPER COMPANY, Mittineague, Mass. Filed June 15, 1925.

SAXON BOND

Applicant disclaims an exclusive right to the word "Bond" apart from the mark shown in the drawing.

Particular description of goods.—Writing Paper and Mailing Envelopes.

Claims use since March, 1904.

Ser. No. 216,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOANNES CORPORATION, Los Angeles, Calif. Filed June 22, 1925.

Particular description of goods.—Coffee, Tea, Flavoring Extract for Foods, Spanish Seasonings, Spices, Curry Powder, Paprika, Celery Salt, Onion Salt, and Garlic Salt.

Claims use since Aug. 1, 1903.

Ser. No. 216,541. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. K. JELKS & SON, Quitman, Ga. Filed June 27, 1925.

Particular description of goods.—Peanut Products—Namely, Salted Peanuts, Peanut Butter, and Peanut-Butter Sandwiches.

Claims use since June 1, 1925.

Ser. No. 218,055. (CLASS 39. CLOTHING.) EAGLE KNITTING MILLS, Milwaukee, Wis. Filed July 29, 1925.

No claim is made to "Knit" per se.

Particular description of goods.—Knit Goods—Namely, Caps, Sweater Coats, Scarfs, Leggings, and Mittens.

Claims use since on or about Nov. 22, 1913.

Ser. No. 219,058. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) L. YANCEY CLARK, doing business as Georgia Pine Turpentine Company, New York, N. Y. Filed Aug. 19, 1925.

NUF

Particular description of goods.—Granulated Chemical Cleaning Compound.

Claims use since Apr. 1, 1925.

Ser. No. 219,355. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Aug. 25, 1925.

"Hospiclinic"

Particular description of goods.—Clinical Thermometers.

Claims use since January, 1921.

Ser. No. 219,465. (CLASS 12. CONSTRUCTION MATERIALS.) WINNIPEG ROOFING COMPANY LIMITED, St. Boniface, Manitoba, Canada. Filed Aug. 27, 1925.

"TYEE"

Particular description of goods.—Magnesite Stucco and Building Paper.

Claims use since Mar. 23, 1923.

Ser. No. 220,585. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HAZEL H. WALTE, Oakland, Calif. Filed Sept. 21, 1925.

Bobbie

Particular description of goods.—Hairpins Made of Spring Metal.

Claims use since June 1, 1925.

Ser. No. 220,716. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLAND PRODUCTS COMPANY, Fayetteville, Ark. Filed Sept. 24, 1925.

ENDO MONES

Particular description of goods.—Preparations for the Treatment of Anæmia, Malnutrition, Sexual Neurasthenia, Impotence, Senility, Sterility, Hypogonadism, Indigestion, Flatulence, Gastric Dilatation, Biliary Insufficiency, Mucus Colitis, Chronic Constipation, Arthritis, Deformans, Rheumatoid Arthritis, Chronic Arthritis, and Kindred Ailments.

Claims use since Oct. 15, 1924.

Ser. No. 220,977. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) L. C. SMITH & BROS. TYPEWRITER, INC., now by change of name L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Filed Sept. 29, 1925.

The words and the representation of the typewriting machine are disclaimed apart from the mark shown.

Particular description of goods.—Typewriting Machines and Parts Thereof.

Claims use since Mar. 28, 1904.

Ser. No. 221,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIUFFRE & RESTIVO, Chicago, Ill. Filed Oct. 2, 1925.

NAPOLI

No claim is made to the word "Napoli" apart from the mark shown.

Particular description of goods.—Olive Oil.

Claims use since July 28, 1925.

Ser. No. 221,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON CANNING COMPANY, Biloxi, Miss. Filed Oct. 14, 1925.

GULF COAST *Gulf Coast*

Particular description of goods.—Canned Oysters and Shrimp.

Claims use since May 15, 1925.

Ser. No. 221,751. (CLASS 39. CLOTHING.) MARATHON RUBBER COMPANY, INC., Akron, Ohio. Filed Oct. 15, 1925.

Particular description of goods.—Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber.

Claims use since Sept. 26, 1925.

Ser. No. 221,770. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REEVES & SONS LTD., Dalston, London, England. Filed Oct. 15, 1925.

Particular description of goods.—Artists' Colors.
Claims use since Apr. 11, 1786.

Ser. No. 221,771. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REEVES & SONS LTD., Dalston, London, England. Filed Oct. 15, 1925.

GREYHOUND

Particular description of goods.—Mediums, Size, and Varnish for Artists' Use.
Claims use since Mar. 15, 1911.

Ser. No. 221,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK GRIESHEIM-ELEKTRON, now by change of name I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Oct. 16, 1925.

Grelasulfon

Particular description of goods.—Inorganic Chemical Products for Dyeing and Tanning Purposes, Compounds for Destroying Insects and Plants, and Annealing and Soldering Compounds.
Claims use since Jan. 1, 1923.

Ser. No. 221,873. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORTON D. BARKER, Springfield, Ill. Filed Oct. 17, 1925.

GOLD EDGE DRILL
TRADE MARK

"Trade-Mark" and "Drill" and the representation of the drill are descriptive only and are not claimed except in connection with the other features of the mark shown on the drawings. ("Gold Edge Drill.")
Particular description of goods.—Drill Bit.
Claims use since about August, 1925.

Ser. No. 221,975. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PARKS-CRAMER COMPANY, Fitchburg, Mass. Filed Oct. 19, 1925.

ParkSpray

No claim is made to the word "Spray" apart from the mark shown in the drawing.
Particular description of goods.—Humidifying Apparatus for Discharging Water Vapor Into the Atmosphere and Regulators Therefor.
Claims use since May, 1925.

Ser. No. 222,038. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO LAMMERTZ, Aix-la-Chapelle, Germany. Filed Oct. 20, 1925.

Particular description of goods.—Hand Sewing Needles.
Claims use since Sept. 11, 1880.

Ser. No. 222,039. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO LAMMERTZ, Aix-la-Chapelle, Germany. Filed Oct. 20, 1925.

Particular description of goods.—Hand Sewing Needles.
Claims use since Apr. 14, 1881.

Ser. No. 222,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES L. CASE, doing business as Richards & Case, East Boston, Mass. Filed Oct. 31, 1925.

Exclusive right to the use of the word "Lotion" is disclaimed separate and apart from the mark shown in the drawing.
Particular description of goods.—Lotion for Chapped Hands, Face, and Lips, Roughness or Irritation of the Skin, and for Tan, Sunburn, and Freckles.
Claims use since April, 1920.

Ser. No. 222,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL SCHULZE BISCUIT CO., Chicago, Ill. Filed Nov. 6, 1925.

QUAKER BUTTER SQUARE

No claim is made for the words "Butter Square" except as part of the mark shown in the drawings.
Particular description of goods.—Bakery Goods Described as Cookies, Cakes, and Wafers.
Claims use since on or about Oct. 1, 1924.

Ser. No. 223,066. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WHITMAN & BARNES MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 9, 1925.

WHITMAN & BARNES
AKRON W&B O, U.S.A.
HERCULES

The expression "Whitman & Barnes, Akron, O., U. S. A." is disclaimed apart from the other features of the mark as shown on the drawings.
Particular description of goods.—Twist Drills and Reamers.
Claims use since Feb. 1, 1923.

Ser. No. 223,301. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 14, 1925.

DIAMOND-ARCH

Particular description of goods.—Boots and Shoes of Leather.
Claims use since Oct. 1, 1925.

Ser. No. 223,663. (CLASS 39. CLOTHING.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed Nov. 21, 1925.

Nu-Grip

Particular description of goods.—Heel Liners for Slippers or Pumps.
Claims use since Dec. 31, 1915.

Ser. No. 223,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAGNOLIA CITRUS ASSOCIATION, Porterville, Calif. Filed Nov. 28, 1925.

Royal Feast

Particular description of goods.—Fresh Citrous Fruit.
Claims use since Sept. 16, 1922.

Ser. No. 224,123. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROMAN V. WAYNE, doing business as Wayne Laboratories, Detroit, Mich. Filed Dec. 2, 1925.

The conventional lining on the drawing indicates the colors black and green.
Particular description of goods.—Cough Remedy.
Claims use since December, 1917.

Ser. No. 224,479. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed Dec. 9, 1925.

GLACINE

Particular description of goods.—Cotton Goods in the Piece.
Claims use since 1902.

Ser. No. 224,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY H. LICHTENSTEIN, doing business as Majestic Sales Agency, Chicago, Ill. Filed Dec. 12, 1925.

BLACK SWAN

Particular description of goods.—Radiator and Boiler Stop-Leak Compound.
Claims use since June 1, 1925.

Ser. No. 224,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo. Filed Dec. 21, 1925.

LL

Particular description of goods.—Canned Tomato Purée, Canned Tomatoes, Canned Fruit Salad, Canned Pork and Beans, Canned Loganberries, Canned Beets, Canned Apricots, Canned Asparagus, Canned Strawberries, Canned Sweet Potatoes, Canned Peas, Canned Raspberries, Canned Hominy, Canned Kraut, Pickle, and Cabbage, Canned Lima Beans, Canned Pumpkin, Canned Stringless Beans, Canned Cherries, Malt Sirup for Food Purposes; Preserves Composed of Pectin, Sugar, and Fruit; Vinegar, Honey, Pickles, Relish, Olives, Jelly, Coffee, Canned Wet Shrimp, Canned Oysters, Canned Salmon, Canned Corn, Canned Wax Beans, Canned Kidney Beans, Canned Spinach, Canned Blackberries, Canned Gooseberries, Canned Vegetables for Soup, Canned Snapper Beans, Canned Pineapple, Canned Peaches, Canned Muscat Grapes, Canned Bartlett Pears, Canned Apples, Canned Tunny Fish, Apple Butter, Mustard.
Claims use since Jan. 1, 1925.

Ser. No. 225,180. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROBERT DOUGLASS EWELL, doing business as Ewell & Company, New York, N. Y. Filed Dec. 26, 1925.

WELCO

Particular description of goods.—Wire Cloth, Chains, and Tacks.
Claims use since Feb. 1, 1925.

Ser. No. 225,201. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAGON PAINT & VARNISH CORPORATION, Long Island City, N. Y. Filed Dec. 26, 1925.

ZINCOLEAD

Particular description of goods.—Ready-Mixed Paints.
Claims use since Dec. 15, 1925.

Ser. No. 225,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HANKEY MILLING CO. (INC.), Petoskey, Mich. Filed Dec. 30, 1925.

HANKY-PANKY

Particular description of goods.—Self-Rising Pancake Flour.
Claims use since Oct. 1, 1925.

Ser. No. 225,358. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Dec. 31, 1925.

U-AUTO-SHUTTER

No claim is made for the words "Auto Shutter" except in the exact form shown.
Particular description of goods.—Automobile Accessories—Namely, Radiator Shutter Fronts.
Claims use since Jan. 27, 1925.

Ser. No. 225,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEXANDER B. KATZIN, doing business as Consolidated Flour Mills of Canada, New York, N. Y. Filed Dec. 31, 1925.

BLANCO CANADA

The words "Blanco" and "Canada" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Wheat Flour from Hard Manitoba Wheat.
Claims use since about Aug. 1, 1924.

Ser. No. 225,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEXANDER JAMES WEBSTER, doing business as The Fruited Wheat Co-op. Co., Lindfield, near Sydney, New South Wales, Australia. Filed Dec. 31, 1925.

FRUTAWEET

Particular description of goods.—Breakfast Food.
Claims use since May, 1925.

Ser. No. 225,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY THAYER & CO., INC., Cambridge, Mass. Filed Jan. 2, 1926.

Particular description of goods.—Medicinal Confection in the Nature of Voice and Throat Lozenges.
Claims use since July 10, 1925.

Ser. No. 225,526. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Jan. 5, 1926.

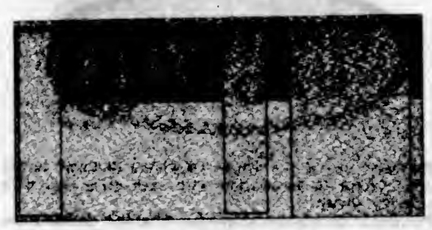
FLIT

The drawing is lined to indicate the color yellow.
Particular description of goods.—Detergent Used in Laundering Operations.
Claims use since May 17, 1923.

Ser. No. 225,527. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Jan. 5, 1926.

The drawing is lined to indicate the color yellow.
Particular description of goods.—Detergent Used in Laundering Operations.
Claims use since May 17, 1923.

Ser. No. 225,528. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Jan. 5, 1926.



The drawing is lined to indicate the color yellow.
Particular description of goods.—Detergent Used in Laundering Operations.
Claims use since May 17, 1923.

Ser. No. 225,867. (CLASS 39. CLOTHING.) BROMLEY-SHEPARD COMPANY, INC., Lowell, Mass. Filed Jan. 13, 1926.

Snuggleband

Particular description of goods.—Girdles, Corsets, Women's, and Misses' Textile Underwear, Ensemble Undergarments, Which are a Combination of Chemise, Drawers, and Petticoats Secured Together.
Claims use since Feb. 1, 1924.

Ser. No. 225,931. (CLASS 12. CONSTRUCTION MATERIALS.) LINTHICUM STONE CORPORATION, Baltimore, Md. Filed Jan. 14, 1926.

Applicant disclaims the words "Trade-Mark" which appear on the drawing and the words "Linthicum Stone."
Particular description of goods.—Building Stone.
Claims use since August, 1925.

Ser. No. 225,997. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLAREMONT DRESS CO., INC., New York, N. Y. Filed Jan. 16, 1926.

WASHFINE RADIUM

Exclusive use of the words "Washfine Radium" is not claimed except in association with each other and with the design shown.

Particular description of goods.—Silk and Cotton Piece Goods.

Claims use since Nov. 16, 1925.

Ser. No. 226,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARDING HOTEL COMPANY, Chicago, Ill. Filed Jan. 16, 1926.

DEVIL'S KISS

Particular description of goods.—Chocolate-Coated Macaroon Confection.

Claims use since Nov. 10, 1925.

Ser. No. 226,036. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) S. BAKAL & SON, INC., New York, N. Y. Filed Jan. 18, 1926.

BASCO

Particular description of goods.—Drug Sundries—Namely, Absorbent Cotton, Gauze, Bandages, Nursing Bottles, Nipples, Sanitary Diapers, and Clinical Thermometers.

Claims use since about May, 1925.

Ser. No. 226,127. (CLASS 12. CONSTRUCTION MATERIALS.) CHAMBERLAIN COMPANY, INC., Los Angeles, Calif. Filed Jan. 20, 1926.

Pyramid Products

The word "Product" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Sea Coal, Graphite, Core Binder, Parting, and Foundry Facing.

Claims use since 1922.

Ser. No. 226,157. (CLASS 15. OILS AND GREASES.) PENNANT OIL & GREASE CO., Los Angeles, Calif. Filed Jan. 20, 1926.

Yellow Jacket

Particular description of goods.—Lubricating Oils and Greases.

Claims use since June 12, 1924.

Ser. No. 226,263. (CLASS 12. CONSTRUCTION MATERIALS.) TRUSCON STEEL COMPANY, Youngstown, Ohio. Filed Jan. 22, 1926.

TRUSCON Ferrodeck INSULATED & WATERPROOFED

No claim apart from the mark shown in the drawing is made to the words "Truscon Steel Company, Insulated and Waterproofed."

Particular description of goods.—Roofing Construction, Metal Plates, and an Insulated and Waterproofed Covering.

Claims use since Dec. 30, 1925.

Ser. No. 226,274. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN DISPLAY COMPANY, Dayton, Ohio. Filed Jan. 23, 1926.

Rain-Gun

Particular description of goods.—Lawn Sprinklers.

Claims use since on or about Oct. 3, 1923.

Ser. No. 226,452. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROBERT THOMPSON, doing business as Varnu Company, Colfax, Wash. Filed Jan. 26, 1926.

VARNU

Particular description of goods.—Polish for Furniture and Automobiles.

Claims use since Mar. 1, 1925.

Ser. No. 226,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) APPLETON COMPANY, Lowell, Mass. Filed Jan. 28, 1926.

APPLETON

BLENDOWN

The representation of the lion and the words "Appleton Blendown" form the trade-mark drawing.

Particular description of goods.—Cotton Piece Goods.

Claims use since Dec. 28, 1925; the representation of the lion and the name "Appleton" since Mar. 5, 1864.

Ser. No. 226,576. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass. Filed Jan. 28, 1926.

BLACK BEAUTY

The words "Black Beauty" refer to the horse character by that name about which Anna Sewell's nationally-known fairy story "Black Beauty" is centered.

Particular description of goods.—Fishing Lines.

Claims use since Aug. 1, 1923.

Ser. No. 226,589. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FREDERICK HERRSCHNER, INC., Chicago, Ill. Filed Jan. 29, 1926.

TEENIE WEENIE

Particular description of goods.—Cotton, Linen, and Silk Cloth Stamped for Embroidery.

Claims use since Dec. 20, 1925.

Ser. No. 226,688. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROUNDUP GROCERY COMPANY, Spokane, Wash. Filed Jan. 30, 1926.

HIGH TIDE

Particular description of goods.—Canned Shrimp, Canned Corn, Canned Beans, Canned Tomatoes, Canned Peas, Canned Pears, Apricots, Peaches, and Pineapple.

Claims use since Sept. 1, 1915.

Ser. No. 226,756. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINCOLN WILDER, Burley, Idaho. Filed Feb. 1, 1926.

IDAHO POTATOES

HONEST VALUES PACKED BY LINCOLN WILDER BURLEY, IDAHO.

All reading matter on the drawing is disclaimed apart from the other features of the mark. The portrait is that of Abraham Lincoln, deceased.

Particular description of goods.—Potatoes in Their Natural State.

Claims use since Sept. 28, 1925.

Ser. No. 226,790. (CLASS 6. CHEMICALS. MEDICINES, AND PHARMACEUTICAL PREPARAITONS.) GEORGE M. TOLHURST, doing business as Monroe Chemical Company, Atlanta, Ga. Filed Feb. 2, 1926.

TAXITABS

Particular description of goods.—Laxatives.
Claims use since Oct. 10, 1924.

Ser. No. 226,857. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MILLER BECKER CO., Cleveland, Ohio. Filed Feb. 4, 1926.

ACE HY

"Ace Hy."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Chocolate, Cream, and Various Fruit Flavors.
Claims use since Dec. 14, 1925.

Ser. No. 226,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ETRURIA COMPANY, Chicago, Ill. Filed Feb. 6, 1926.

VIGORIDAL

Particular description of goods.—General Tonic.
Claims use since Dec. 30, 1925.

Ser. No. 227,050. (CLASS 39. CLOTHING.) CURT WOLFELT, INC., New York, N. Y. Filed Feb. 8, 1926.

WOLFELT CW MODELS

Applicant disclaims exclusive right to the use of the descriptive words "Wolfelt Models" except in the particular arrangement and association in which they appear with the rest of the mark as presented on the drawing.
Particular description of goods.—Shoes, Boots, and Slippers Constructed of Leather, Rubber, Fabric, and Combinations of Leather, Rubber, and Fabric.
Claims use since Dec. 31, 1925.

Ser. No. 227,059. (CLASS 15. OILS AND GREASES.) L. YANCEY CLARK, doing business as Georgia Pine Turpentine Company, New York, N. Y. Filed Feb. 9, 1926.

"PINEY WOODS"

Particular description of goods.—Flotation Oils, Pine Oils, and Pine-Tar Oil.
Claims use since Jan. 15, 1923.

Ser. No. 227,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. HOVDEN CO., Monterey, Calif. Filed Feb. 9, 1926.

CRESTA BLANCA

Particular description of goods.—Canned Fish—Namely, Sardines, Tunny, and Squid; Canned Fruit—Namely, Apricots, Peaches, Cherries, and Pears.
Claims use since September, 1922.

Ser. No. 227,116. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) P. C. DIETLER, doing business as P. C. Dietler & Company, Butte, Mont. Filed Feb. 10, 1926.

PUTTY PRESS

Particular description of goods.—Putty Ejectors.
Claims use since July 20, 1925.

Ser. No. 227,192. (CLASS 39. CLOTHING.) SIGNAL SHIRT COMPANY, Racine, Wis. Filed Feb. 11, 1926.

Signal
SUPERLATIVE QUALITY
WINDBREAKER

No claim is made for the words "Superlative Quality" apart from the mark as shown.
Particular description of goods.—Clothing Made of Cloth—Namely, Work, Negligee, and Sport Shirts, Blouses, and Jackets.
Claims use since Jan. 1, 1924.

Ser. No. 227,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRINGFIELD GROCER COMPANY, Springfield, Mo. Filed Feb. 11, 1926.

YELLOW BONNET

The picture shown in the drawing is purely fanciful and is not the portrait of any individual. The lining of the drawing represents the color yellow.
Particular description of goods.—Canned Fruits—Namely, Pineapple, Peaches, Apricots, Cherries, and Pears; Canned Vegetables—Namely, Spinach, Corn, Peas, Beets, Tomatoes, and Beans; Canned Salmon, Olives; Sandwich Spread Composed of Salad Dressing, Ground Olives, Pickles, and Similar Ingredients; Condiments—Namely, Pepper, Food-Flavoring Extracts, Spices, Peanut Butter, Thousand Island Dressing, Mustard, Catchup, Pickles, Dried Fruits, Table Sirup, Vinegar, Canned Chile Con Carne, Canned Soup, Canned Fruit Butter, Canned Jelly, Canned Jam, Honey, Olive Oil, and Tea.
Claims use since September, 1924.

Ser. No. 227,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN ANTWERP'S DRUG CORPORATION INC., Mobile, Ala. Filed Feb. 12, 1926.

WILD CAT BAR

The word "Bar" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since Oct. 3, 1925.

Ser. No. 227,287. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed Feb. 15, 1926.

ROMANY

Particular description of goods.—Girdles, Combinettes, Bandeaux, and Camisoles, Corset Waists, Step-Ins, Vests, and Combinations of Girdles and Bloomers, Girdles and Step-Ins, and Girdles and Drawers, of Textile Fabric.
Claims use since Jan. 15, 1926.

Ser. No. 227,420. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ROBERT H. RUCKER, Blackwell, Okla. Filed Feb. 17, 1926.

Wednesday Wonder Window
TRADE MARK

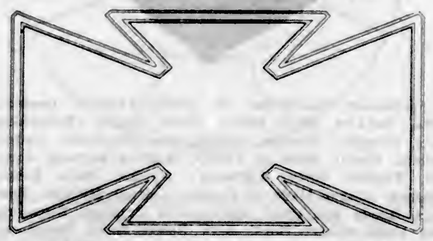
Applicant disclaims the word "Trade-Mark" apart from the other features of the mark.
Particular description of goods.—Articles Stamped for Embroidery (Not Finished), Artificial Flowers, Ribbons (Made Into Bows), Narrow Elastic, Nonelectric Hair Curlers, Hooks and Eyes, Snap Fasteners, and the Following Articles Not Made of Precious Metals: Collar Buttons, Cuff Buttons and Links, Hairpins, Buttons, Pins, Safety Pins, and Thimbles.
Claims use since Dec. 15, 1924.

Ser. No. 227,432. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER YORK, doing business as Oh Boy Products Company, Chicago, Ill. Filed Feb. 17, 1926.

OH BOY

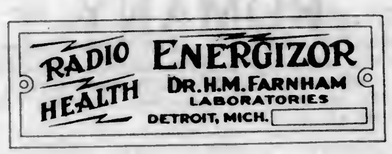
Particular description of goods.—Malt Sirup, Both Plain and Hop Flavored, for Food Purposes.
Claims use since June 5, 1925.

Ser. No. 227,520. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Feb. 19, 1926.



Particular description of goods.—Wagons and Parts Thereof.
Claims use since March, 1895.

Ser. No. 227,571. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE E. R. V. CORPORATION, Detroit, Mich. Filed Feb. 20, 1926.

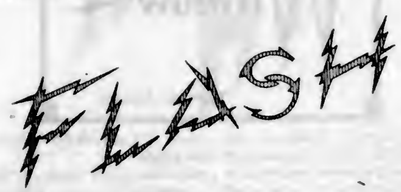


The words "Health Energizor Dr. H. M. Farnham Laboratories, Detroit, Mich." are disclaimed apart from the mark shown by the drawing.

Particular description of goods.—Electrical Therapeutic Apparatus.

Claims use since Feb. 15, 1925.

Ser. No. 227,644. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FLASH FIRE EXTINGUISHER CO., Dayton, Ohio. Filed Feb. 23, 1926.



Particular description of goods.—Portable Hand Fire Extinguishers.

Claims use since Nov. 23, 1925.

Ser. No. 227,661. (CLASS 39. CLOTHING.) MELCHER & LANDAU, INC., Chicago, Ill. Filed Feb. 23, 1926.

Particular description of goods.—Infants' Bootees, Bibs, Bonnets, Bath Robes, Coats, Capes, Christening Sets, Creepers, Dresses, Nightgowns, Petticoats, Underwaists, Gloves Made of Fabric, Knitted Mittens, Jackets, Toques, Vests; Children's Aprons, Bath Robes, Dresses, Gloves Made of Fabric, Knitted Mittens, Bonnets, Hoods, and Caps, Nightgowns, Pyjamas, Sweaters, and Underwaists; Boys' Bath Robes, Hats, Overcoats, Pyjamas, Rompers, Suits, and Overalls, Which is a Combination Overall with Full and Short Sleeves.

Claims use since Feb. 10, 1922.

Ser. No. 227,681. (CLASS 2. RECEPTACLES.) THE PILLIOD LUMBER COMPANY, Swanton, Ohio. Filed Feb. 23, 1926.

"Pilliod" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Art Boxes Made of Wood.

Claims use since Sept. 6, 1924.

Ser. No. 227,683. (CLASS 5. ADHESIVES.) PLYMOUTH RUBBER COMPANY, INC., Canton, Mass. Filed Feb. 23, 1926.

Applicant disclaims all wording apart from the mark as shown on the drawing.

Particular description of goods.—Friction Tape, a Fabric Impregnated with an Adhesive Rubber Compound.

Claims use since on or about Jan. 15, 1923.

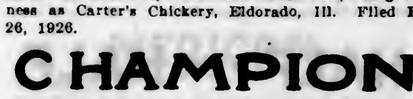
Ser. No. 227,684. (CLASS 5. ADHESIVES.) PLYMOUTH RUBBER COMPANY, INC., Canton, Mass. Filed Feb. 23, 1926.

Applicant disclaims all wording except the letters "PR" apart from the mark, as shown on the drawing.

Particular description of goods.—Friction Tape, a Fabric Impregnated With an Adhesive Rubber Compound.

Claims use since on or about July 1, 1922.

Ser. No. 227,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTIS ABRON CARTER, doing business as Carter's Chickery, Eldorado, Ill. Filed Feb. 26, 1926.



"Champion."

Particular description of goods.—Live Poultry, Baby Chicks, and Eggs.

Claims use since Jan. 12, 1925.

Ser. No. 227,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. HAMMOND COMPANY, Chicago, Ill. Filed Feb. 26, 1926. Under section 5b of the act of 1905, as amended in 1920.

"Calumet."

Particular description of goods.—Dried Beef and Eggs.

Claims use since 10 years prior to 1905.

Ser. No. 227,881. (CLASS 12. CONSTRUCTION MATERIALS.) THE COMPO-BOARD CO., Minneapolis, Minn. Filed Feb. 27, 1926.

No claim is made to the words "Ply-Board" apart from the mark as shown in the drawing.

Particular description of goods.—Artificial Lumber in Strips, Sheets, and Boards.

Claims use since Jan. 1, 1926.

Ser. No. 227,922. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SUTTON & SONS, Reading, England. Filed Feb. 27, 1926.

No claim is made herein to the words "Pedigree-Quality" or to the representation of the seal apart from the trade-mark shown.

Particular description of goods.—Seeds for Agricultural and Horticultural Purposes.

Claims use since Aug. 1, 1925.

Ser. No. 227,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP H. WARSHAW, INC., New York, N. Y. Filed Feb. 27, 1926.

Particular description of goods.—Hair Tonics, Toilet Water, Hair Oils and Preparations Used in Dressing the Hair, Liquid Enamel, Massage Cream, Lemon Cream, Complexion Cream, Menthol Cream, and Face Powder.

Claims use since Aug. 4, 1914.

Ser. No. 228,010. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED HARDWARE & TOOL CORPORATION, New York, N. Y. Filed Mar. 2, 1926.

Particular description of goods.—Abrasive Cloths and Papers.

Claims use since 1923.

Ser. No. 228,076. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON-WESTERN SPORTING GOODS CO., Chicago, Ill. Filed Mar. 3, 1926.

The representation of a golf ball appearing on the drawing is disclaimed apart from the other features of the mark.

Particular description of goods.—Golf Clubs and Golf Balls.

Claims use since Jan. 4, 1926.

Ser. No. 228,097. (CLASS 15. OILS AND GREASES.) EMBRY MANUFACTURING COMPANY, Bradford, Pa. Filed Mar. 4, 1926.

EMCO

The oblique lining about the letters represents shading only. The drawing is lined to indicate a red background.

Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils.

Claims use since December, 1908.

Ser. No. 228,165. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Mar. 4, 1926.

WOLVERINE

Particular description of goods.—Basin and Sink Stoppers, Basin and Sink Rubber Plugs, Bib Washers, Fuller Balls; Top Washers for Faucets, Bibs, Valves, and Cocks; Sheet Packing, Twist Packing, and Plumbers' Friend.

Claims use since July 1, 1913.

Ser. No. 228,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Mar. 5, 1926.

MA BROWN

No claim is made to the word "Brown" apart from the mark as shown in the drawing.

Particular description of goods.—Pickles, Mustard, Catchup, Jellies, Jams, Fruit Butters, and Fruit Preserves.

Claims use since Mar. 31, 1925.

Ser. No. 228,247. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) CHARLES D. JONAS, doing business as Bartlett & Bickley, London, England. Filed Mar. 6, 1926.

BARBIC
The "Red Spot" Pipe

No claim is made to the exclusive use of the word "Pipe" apart from the mark shown on the drawing.

Particular description of goods.—Tobacco Pipes.

Claims use since June 14, 1924.

Ser. No. 228,261. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) OWEN-DYNETO CORPORATION, Syracuse, N. Y. Filed Mar. 6, 1926.

Dyneto

Particular description of goods.—Windshield Wipers of the Squeegee Type.

Claims use since Dec. 27, 1910, on motors, and on windshield wipers specifically since Aug. 3, 1925.

Ser. No. 228,290. (CLASS 17. TOBACCO PRODUCTS.) THE AMERICAN TOBACCO CO., New York, N. Y. Filed Mar. 8, 1926.

HALF AND HALF

Particular description of goods.—Smoking and Chewing Tobacco and Cigarettes.

Claims use since Feb. 17, 1926.

Ser. No. 228,322. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JULIUS LEVINE, New York, N. Y. Filed Mar. 8, 1926.

No claim is made to the words "The Sandwich Unmatched" except as associated with the other features of the mark.

Particular description of goods.—Sandwiches of All Kinds.

Claims use since Dec. 2, 1925.

Ser. No. 228,334. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORONA B. SANFORD, doing business as Louvaine System of Hair Regeneration, San Francisco, Calif. Filed Mar. 8, 1926.

LOUVAINE

Particular description of goods.—Electrical Machines for the Treatment of Gray or Faded Hair.

Claims use since Nov. 5, 1925.

Ser. No. 228,350. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN CAST IRON PIPE COMPANY, Birmingham, Ala. Filed Mar. 9, 1926.

MONO-CAST.

No claim is made to the word "Cast" apart from the mark as shown.

Particular description of goods.—Centrifugally-Cast Hollow Bodies—Namely, Cast-Iron Pipe With or Without Bell and Spigot Ends.

Claims use since Feb. 15, 1926.

Ser. No. 228,370. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY GLASS & CO., New York, N. Y. Filed Mar. 9, 1926.

MERICAN

"Merican."

Particular description of goods.—Cotton Piece Goods, Silk and Cotton Piece Goods, and Artificial-Silk and Cotton Piece Goods.

Claims use since June 27, 1924.

Ser. No. 228,458. (CLASS 5. ADHESIVES.) THE CASEIN MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 11, 1926.

TEXET

Particular description of goods.—Preparation Used as an Adhesive in the Manufacture of Paper for Gluing Clay, Satin White, Colors and Similar Material to Paper; Also as an Adhesive for Gluing Together Pieces of Laminated Wood, Joints of Wood, Fiber, Cardboard, and the Like.

Claims use since January, 1919.

Ser. No. 228,504. (CLASS 12. CONSTRUCTION MATERIALS.) STE. GENEVIEVE LIME & QUARRY COMPANY, St. Louis, Mo. Filed Mar. 11, 1926.

No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Hydrated Lime.

Claims use since August, 1914.

Ser. No. 228,515. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VITREFRAX COMPANY, INC., Los Angeles, Calif. Filed Mar. 11, 1926.

VITROLON

Particular description of goods.—Grinding Balls.

Claims use since September, 1925.

Ser. No. 228,538. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 12, 1926.

PANDORA

Particular description of goods.—Cotton Piece Goods.

Claims use since October, 1921.

Ser. No. 228,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISAAC N. STITELER, doing business as Anne Hathaway Shoppe, Reading, Pa. Filed Mar. 12, 1926.

Anne Hathaway Candies

No claim is made to the word "Candies" apart from the mark shown.

Particular description of goods.—Candies.

Claims use since Jan. 1, 1925.

Ser. No. 228,576. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

Konkerit

Particular description of goods.—Waterproofing Paint.

Claims use since about Aug. 1, 1902.

Ser. No. 228,612. (CLASS 12. CONSTRUCTION MATERIALS.) LUNDELL-ECKBERG MANUFACTURING CO. INC., Jamestown, N. Y. Filed Mar. 13, 1926.

"LEMCO"

Particular description of goods.—Casements.

Claims use since July, 1923.

Ser. No. 228,620. (CLASS 15. OILS AND GREASES.) SHERWOOD BROS. INC., Baltimore, Md. Filed Mar. 13, 1926.

BETHOLEUM

Particular description of goods.—Lubricating Oils, Illuminating Oils, Fuel Oils, Lubricating Greases, Gasoline, Blended Gasoline, and Liquid Hydrocarbon Motor Fuels.

Claims use since July, 1922.

Ser. No. 228,660. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOTOR VITALIZER CO., Milwaukee, Wis. Filed Mar. 15, 1926.

VITALIZER

The mark consists of the name "Vitaliser."

Particular description of goods.—Carburetor or Intake-Manifold Attachments for Internal-Combustion Engines.

Claims use since Sept. 1, 1925.

Ser. No. 228,761. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MICHAEL KURZENE, Greensburg, Ind. Filed Mar. 17, 1926.

Kurzene's Kiddie Kuts

No registration rights are claimed for the name "Kurzene's" apart from the mark shown in the drawing.

Particular description of goods.—Kindergarten Educational Paper Cut-Outs.

Claims use since Mar. 4, 1926.

Ser. No. 228,784. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEINHARDT & KELLY INC., New York, N. Y. Filed Mar. 17, 1926.

MARCA LOLA

Applicant hereby disclaims exclusive right to the use of the word "Marca" except as the same is used in connection with the other features of the mark shown on the drawing.

Particular description of goods.—Eggs.

Claims use since July 1, 1914.

Ser. No. 228,794. (CLASS 38. PRINTS AND PUBLICATIONS.) BANKERS BOND & MORTGAGE COMPANY, Philadelphia, Pa. Filed Mar. 18, 1926.

GUARANTEED FIRST MORTGAGES AND FIRST MORTGAGE BONDS by BANKERS BOND & MORTGAGE Co.

No claim is herein made to the words "Guaranteed" "First Mortgage," and "First Mortgage Bonds."

Particular description of goods.—Negotiable Real-Estate First Mortgage Bonds.

Claims use since on or about Feb. 1, 1926.

Ser. No. 228,801. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CAPON SPRINGS COMPANY, Capon Springs, W. Va. Filed Mar. 18, 1926.

BEBAN AGUA CAPON Y PROLONGUEN SU VIDA

Applicant hereby disclaims the words "Beban, Agua, Y, Prolonguen, Su, Vida" apart from the mark as shown.

Particular description of goods.—Mineral Water.

Claims use since Mar. 5, 1926.

Ser. No. 228,815. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE J. HECHT, New York, N. Y. Filed Mar. 18, 1926.

CHILDREN
The Magazine for Parents

Applicant hereby disclaims exclusive right to the use of the words "The Magazine for Parents" except as the same are used in connection with the other features shown in the drawing.

Particular description of goods.—Printed Periodical Published Monthly and at Other Intervals.

Claims use since about Mar. 1, 1926.

Ser. No. 228,834. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SHOE FORM CO., INC., Auburn, N. Y. Filed Mar. 18, 1926.

"HELP SELL SHOES" FAIRY FORMS

No registration rights are claimed for the word "Forms" or the words "Help Sell Shoes" apart from the mark shown on the drawing.

Particular description of goods.—Shoe Forms.

Claims use since Jan. 12, 1926.

Ser. No. 228,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLEX DRUG COMPANY, Belleville, N. J. Filed Mar. 18, 1926.

SOLEX SOLEX

Particular description of goods.—Preparation for Rheumatism.

Claims use since June 20, 1921.

Ser. No. 228,853. (CLASS 15. OILS AND GREASES.) IMPERIAL OIL LTD., Toronto, Ontario, Canada. Filed Mar. 19, 1926.

Marvelube

Particular description of goods.—Refined, Semirefined, and Unrefined Oils, Greases, and Other Products Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, and Mineral Substances, for Lubricating and Similar Purposes.

Claims use since Jan. 22, 1926.

Ser. No. 228,857. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) LINEHAN & MOLO, Dubuque, Iowa. Filed Mar. 19, 1926.

VULCAN

Particular description of goods.—Coke.

Claims use since Mar. 15, 1926.

Ser. No. 228,880. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHITIN MACHINE WORKS, Whitinsville, Mass. Filed Mar. 19, 1926.

WWW

The lining on the drawing indicates a red color. No claim is made to the exclusive use of the representation of a ring apart from the mark as shown in the drawing.

Particular description of goods.—Spinning and Twisting Rings.

Claims use since Dec. 12, 1925.

Ser. No. 228,891. (CLASS 15. OILS AND GREASES.) CHEMICAL RESEARCH SYNDICATE, LTD., Detroit, Mich. Filed Mar. 20, 1926.

Gyro Gas

The applicant hereby disclaims the exclusive right to the use of the word "Gas" except as shown in the drawing.

Particular description of goods.—Motor Spirits.

Claims use since about Jan. 4, 1926.

Ser. No. 228,912. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN E. KEENAN, doing business as Midway Bottling Works, Kearney, Nebr. Filed Mar. 20, 1926.

CHIEF BRAND

Applicant disclaims any right to the exclusive use of the word "Brand" apart from the other features of the mark.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—viz, Ginger Ale, Root Beer, Sarsaparilla, and Various Fruit Flavors.

Claims use since January, 1910.

Ser. No. 228,918. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. W. MAAS & CO., INC., New York, N. Y. Filed Mar. 20, 1926.

The lining in the drawing indicates shading only.

Particular description of goods.—Artificial Flowers, Hat Trimmings, Ribbon Bows, and Hat Ornaments, Not Including Metal Ornaments.

Claims use since Mar. 12, 1926.

Ser. No. 228,951. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TEXAS CITRUS FRUIT GROWERS' EXCHANGE, Mission, Tex. Filed Mar. 20, 1926.

TexaSweet

Particular description of goods.—Grapefruit and Orange Juice Sold for Soft-Drink Purposes.

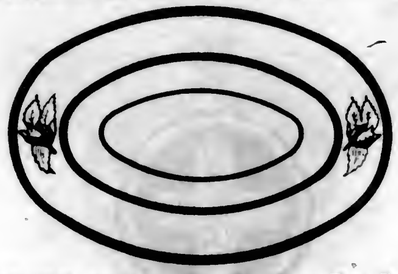
Claims use since Sept. 10, 1925.

Ser. No. 228,960. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LOUIS ABSECK, doing business as The Sealastic Co., Brooklyn, N. Y. Filed Mar. 22, 1926.

Particular description of goods.—Bristle Massage Brushes.

Claims use since Mar. 16, 1926.

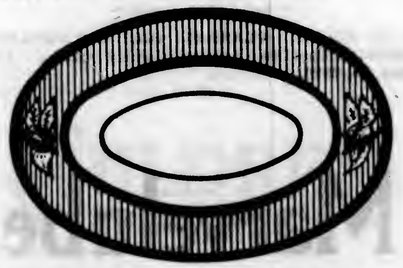
Ser. No. 228,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed Mar. 22, 1926.



Particular description of goods.—Cured Ham, Bacon, Beef, Canned Pork and Beans, Fruit Preserves, Fruit Jams, Fruit Jellies, Marmalades, Cured Fruits, Preserved Vegetables, Fruit Sauces, Salad Dressing, Vinegar, Olive Oil, Prepared Mustard, Catchup, Chili Sauce, Peanut Butter, Cheese, and Candies.

Claims use since October, 1907.

Ser. No. 228,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed Mar. 22, 1926.



The mark shown in accompanying drawing has the outer oval band lined for color red.

Particular description of goods.—Cured Ham, Bacon, Beef, Canned Pork and Beans, Fruit Preserves, Fruit Jams, Fruit Jellies, Marmalades, Cured Fruits, Preserved Vegetables, Fruit Sauces, Salad Dressing, Vinegar, Olive Oil, Prepared Mustard, Catchup, Chili Sauce, Peanut Butter, Cheese, and Candies.

Claims use since October, 1907.

Ser. No. 228,978. (CLASS 37. PAPER AND STATIONERY.) PAUL G. DALLWIG, Chicago, Ill. Filed Mar. 22, 1926.

No claim is made to the wording "Policy and Commission Record" apart from the mark shown in the drawing.

Particular description of goods.—Blanks for Keeping Insurance, Policy, and Commission Records.

Claims use since Sept. 14, 1925.

Ser. No. 228,979. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. DAY & CO., Chicago, Ill. Filed Mar. 22, 1926.

TRADE DU-PROS MARK

Exclusive use of the word "Trade-Mark" is disclaimed.

Particular description of goods.—Prepared Shellac, Otherwise Known as Shellac Varnish.

Claims use since Jan. 25, 1926.

Ser. No. 228,986. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH WITTMANN, INC., Ozone Park, Long Island, N. Y. Filed Mar. 22, 1926.

Applicant disclaims the right to the exclusive use of the word "Dry" except as used in connection with the other features of the mark. The drawing is lined for yellow, blue, and green.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale.

Claims use since Mar. 11, 1926.

Ser. No. 228,997. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAMES A. MITCHELL, doing business as The Joan-of-Arc Company, Denison, Iowa. Filed Mar. 22, 1926.

The drawing is lined for gold.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Grape-Wine Flavor.

Claims use since Jan. 1, 1926.

Ser. No. 229,006. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. FRANK RYAN, INCORPORATED, Cambridge, Mass. Filed Mar. 22, 1926.

Particular description of goods.—Face Powders, Sachet, Talcum and Perfumery Powders, Lip Sticks, Eyebrow Pencils, Rouge (Compact and Liquid); Cold, Face, Vanishing, Cucumber, and Almond Creams; Liquid Face Powder, Perfumes, Toilet Waters, and Beauty Clays.

Claims use since on or about Jan. 1, 1926.

Ser. No. 229,033. (CLASS 39. CLOTHING. THE HALLE BROS. CO., Cleveland, Ohio. Filed Mar. 23, 1926.

RIGI-FORM

"Rigi-Form."

Particular description of goods.—Shoes of Leather, Rubber, or Fabric and Combinations of the Same.

Claims use since Feb. 25, 1926.

Ser. No. 229,103. (CLASS 39. CLOTHING.) H. FRIEDMAN HAT CO. INC., New York, N. Y. Filed Mar. 24, 1926.

No claim is made to the right to the exclusive use of the phrases "Excellent Quality," "Bench Made" and "Designed and Styled by Friedman" except in the par-

ticular association and arrangement in which they appear with the rest of the trade-mark as shown in the drawing.

Particular description of goods.—Men's Hats.
Claims use since Apr. 10, 1923.

Ser. No. 229,130. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SMALL & PARKES LTD., Manchester, England. Filed Mar. 24, 1926.

DON

Particular description of goods.—Brake and Clutch Linings Made Wholly or Partly of Asbestos or Textile Material.
Claims use since June 2, 1921.

Ser. No. 229,187. (CLASS 33. GLASSWARE.) JOSEF MERSING, Zurich, Switzerland. Filed Mar. 25, 1926.

URANUS

Particular description of goods.—Glass Globes and Shades for Electric Lamps.
Claims use since June 3, 1915.

Ser. No. 229,274. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RALPH R. EDWARDS, San Diego, Calif. Filed Mar. 27, 1926.

STERO STROP

Applicant disclaims the use of the word "Strop" apart from the mark shown.
Particular description of goods.—Razor Strops.
Claims use since July 22, 1919.

Ser. No. 229,315. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) T. W. WOOD & SONS, Richmond, Va. Filed Mar. 27, 1926.

WOOD'S
Dixie Lawn Grass

No claim is made for the exclusive use of the words "Lawn Grass" aside from the environment shown.
Particular description of goods.—Grass Seed.
Claims use since Aug. 1, 1924.

Ser. No. 229,396. (CLASS 17. TOBACCO PRODUCTS.) THE MENDELSOHN COMPANY, Cleveland, Ohio. Filed Mar. 30, 1926.

The portrait and signature is that of Joseph Addison, English essayist and statesman, 1672–1719.
Particular description of goods.—Cigars.
Claims use since May 8, 1894.

Ser. No. 229,397. (CLASS 17. TOBACCO PRODUCTS.) THE MENDELSOHN COMPANY, Cleveland, Ohio. Filed Mar. 30, 1926.

The portrait and name is that of Joseph Addison, English essayist and statesman 1672–1719.
Particular description of goods.—Cigars.
Claims use since 1900.

Ser. No. 229,398. (CLASS 17. TOBACCO PRODUCTS.) THE MENDELSOHN COMPANY, Cleveland, Ohio. Filed Mar. 30, 1926.

Decision

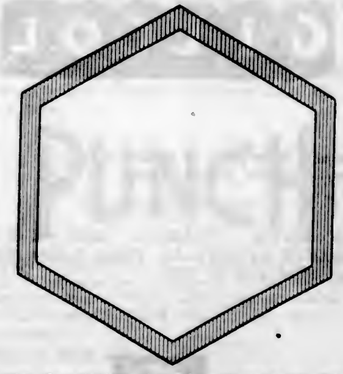
Particular description of goods.—Cigar Clippings or Cuttings for Smoking and Chewing.
Claims use since Dec. 7, 1918.

Ser. No. 229,411. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 30, 1926.

HEX

Particular description of goods.—Cresote Oil, Tar Acid Oil, Disinfectants, Gypsy-Moth Cresote, Insecticides, Wood Preservatives, Lens Pitch Solvent, and Naphthalene.
Claims use since on or about May 27, 1920, on Creosote oil; on tar acid oil since on or about Jan. 30, 1926; on disinfectants since on or about Jan. 19, 1926; on gypsy-moth creosote since on or about Dec. 12, 1921; on insecticides since on or about Mar. 1, 1926; on wood preservatives in the nature of chemical preparations since on or about Mar. 25, 1926; on lens pitch solvent since on or about June 19, 1924; and on naphthalene since on or about Dec. 8, 1921.

Ser. No. 229,413. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 30, 1926.



Particular description of goods.—Cresote Oil, Tar Acid Oil, Disinfectants, Gypsy-Moth Cresote, Insecticides, Wood Preservatives, Lens Pitch Solvent, and Naphthalene.
Claims use since on or about May 27, 1920, on Creosote oil; on tar acid oil since on or about Jan. 30, 1926; on disinfectants since on or about Jan. 19, 1926; on gypsy-moth creosote since on or about Dec. 12, 1921; on insecticides since on or about Mar. 1, 1926; on wood preservatives in the nature of chemical preparations since on or about Mar. 25, 1926; on lens pitch solvent since on or about June 19, 1924; and on naphthalene since Dec. 8, 1921.

Ser. No. 229,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 30, 1926.

The mark comprises the letters "T P C." which are arranged with the letter "T" in the middle and the letters "P" and "C" at the left and right, respectively, of the letter "T".
Particular description of goods.—Cresote Oil, Tar Acid Oil, Disinfectants, Gypsy-Moth Creosote, Insecticides, Wood Preservatives, Lens Pitch Solvent, and Naphthalene.
Claims use since on or about May 27, 1920, on creosote oil; on tar acid oil since on or about Jan. 30, 1926; on disinfectants since on or about Jan. 19, 1926; on gypsy-moth creosote since on or about Dec. 12, 1921; on insecticides since on or about Mar. 1, 1926; on wood preservatives in the nature of chemical preparations since on or about Mar. 25, 1926; on lens pitch solvent since on or about June 19, 1924; on naphthalene since on or about Dec. 8, 1921.

Ser. No. 229,422. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL TYPOGRAPHIC SCALE CO., San Francisco, Calif. Filed Mar. 30, 1926.

Thrift-lope

Particular description of goods.—Pay Envelopes.
Claims use since December, 1923.

Ser. No. 229,432. (CLASS 39. CLOTHING.) THE CHARLES MEIS SHOE COMPANY, Cincinnati, Ohio. Filed Mar. 31, 1926.

HAPPY

DAYS

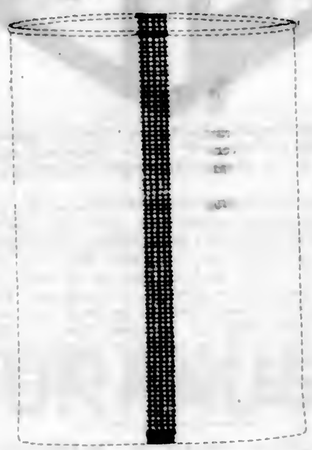
Particular description of goods.—Leather Shoes.
Claims use since Mar. 24, 1926.

Ser. No. 229,467. (CLASS 39. CLOTHING.) ROBERTS BROS., Portland, Oreg. Filed Mar. 31, 1926.

REVELATION

Particular description of goods.—Knitted Underwear, Sweaters, and Hosiery.
Claims use since on or about Dec. 15, 1920.

Ser. No. 229,487. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Apr. 1, 1926.



The trade-mark is applied by weaving a green stripe vertically in the warp of a laundry bag.
Particular description of goods.—Laundry Nets.
Claims use since Apr. 24, 1921.

Ser. No. 229,502. (CLASS 37. PAPER AND STATIONERY.) A. M. COLLINS MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 1, 1926.

LAIDTONE

Particular description of goods.—Blank Paper, Translucent Paper, Coated Book Paper, Box Paper, Cover Paper, Calendar Stock Paper, Paper for Mounting Photographic Prints, and Greeting Cards.
Claims use since Jan. 20, 1926.

Ser. No. 229,514. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SOLOMON KUNIS, doing business as Victory Comb & Novelty Company, New York, N. Y. Filed Apr. 1, 1926.

Amberine

Particular description of goods.—Combs Made of Celluloid.
Claims use since January, 1911.

Ser. No. 229,542. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France. Filed Apr. 2, 1926.

JACKSOPHONE

Particular description of goods.—Bicycle Saddles, Foot Pedals, Vehicle Springs, Brakes, and Rear-Vision Mirrors.
Claims use since Oct. 24, 1925.

Ser. No. 229,543. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France. Filed Apr. 2, 1926.

JACKSONPHONE

Particular description of goods.—Bicycle Saddles, Foot Pedals, Vehicle Springs, Brakes, and Rear-Vision Mirrors.
Claims use since Oct. 24, 1925.

Ser. No. 229,538. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HOMER C. GILL, Columbus, Ohio. Filed Apr. 2, 1926.

GILCOL

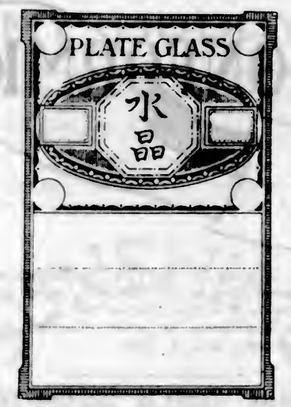
Particular description of goods.—Coal.
Claims use since June 1, 1925.

Ser. No. 229,539. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HOMER C. GILL, Columbus, Ohio. Filed Apr. 2, 1926.

BLACK ROSE

Particular description of goods.—Coal.
Claims use since June 1, 1925.

Ser. No. 229,574. (CLASS 33. GLASSWARE.) MANUFACTURES DES GLACES & PRODUITS CHEMIQUES DE SAINT-GOBAIN, CHAUNY & CIREY, Paris, France. Filed Apr. 2, 1926.



No claim is made to the wording shown in the drawing apart from the mark shown.
Particular description of goods.—Plate Glass, Glass in Sheets, Glass Blanks, Table and Ornamental Glassware, and Crystal Ware.
Claims use since Mar. 16, 1925.

Ser. No. 229,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. MUSDOCK MFG. CO., Kansas City, Mo. Filed Apr. 2, 1926.

TROPICAL

Particular description of goods.—Canned Olives, Canned Sandwich Filling Composed Mainly of Salad Dressing, Ground Olives and Pickles, and Canned Mayonnaise.
Claims use since Nov. 20, 1925.

Ser. No. 229,588. (CLASS 39. CLOTHING.) RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo. Filed Apr. 2, 1926.

PUNCH

Particular description of goods.—Men's and Boys' Overalls, Men's and Boys' Jackets of Knitted and Textile Material, Men's Pants, Men's Work Shirts, Boys' Work Shirts, Men's Dress Shirts, and Men's Cotton Work Gloves.
Claims use since Jan. 18, 1926.

Ser. No. 229,601. (CLASS 12. CONSTRUCTION MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 2, 1926.

HEXEMENT

Comprises the arbitrarily-coined word "Hexement."
Particular description of goods.—Roof Cement.
Claims use since on or about Dec. 30, 1925.

Ser. No. 229,609. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Apr. 3, 1926.

American Beauty

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.
Claims use since 1903.

Ser. No. 229,629. (CLASS 39. CLOTHING.) INEZ, INC., New York, N. Y. Filed Apr. 3, 1926.

HOP-IN

Particular description of goods.—Children's Garments—Namely, Dresses and Combined Dresses and Bloomers.
Claims use since Mar. 15, 1926.

Ser. No. 229,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS MANUFACTURING COMPANY, Knoxville, Tenn. Filed Apr. 5, 1926.

TRYME

Particular description of goods.—Food-Flavoring Extracts.
Claims use since February, 1915.

Ser. No. 229,669. (CLASS 12. CONSTRUCTION MATERIALS.) EL PASO SASH & DOOR COMPANY, El Paso, Tex. Filed Apr. 5, 1926.

PREMIER Standardized WOODWORK

No claim is made herein to the exclusive use of the words "Standardized Woodwork" apart from the trade-mark shown in the drawing.
Particular description of goods.—Built-In Standardized Woodwork—Viz, Doors, Door Frames, Window Frames, Window Sashes, Mantels, Closets, Cabinets, Dressers, Folding Tables, Disappearing Bathroom Seats, and Bookcases.
Claims use since Mar. 8, 1926.

Ser. No. 229,688. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Apr. 5, 1926.

Beauty

Particular description of goods.—Hair Nets.
Claims use since Mar. 18, 1926.

Ser. No. 229,711. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STORA KOPPARBERGS BERGSLAGS AKTIEBOLAG, Falun, Sweden. Filed Apr. 5, 1926.

STORA

Particular description of goods.—Wood Pulp.
Claims use since Jan. 1, 1912.

Ser. No. 229,743. (CLASS 10. FERTILIZERS.) LYONS FERTILIZER COMPANY, Tampa, Fla. Filed Apr. 6, 1926.

LYONS FERTILIZER CO. ORANGE BELT BRANDS TAMPA, FLORIDA

The drawing is lined to indicate the color orange. Exclusive use of the words "Tampa, Florida" and "Brands" is disclaimed apart from the other details of the mark, as shown.
Particular description of goods.—Fertilizers.
Claims use since Sept. 1, 1924.

Ser. No. 229,785. (CLASS 39. CLOTHING.) THE FORBUSH SHOE COMPANY, North Grafton, Mass. Filed Apr. 7, 1926.

CONFORMIC

No claim is made to the right to the exclusive use of the representation of the shoe sole except in association with the rest of the trade-mark.
Particular description of goods.—Leather Shoes.
Claims use since Mar. 3, 1926.

Ser. No. 229,806. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MELCO OIL BURNER CORPORATION, Buffalo, N. Y. Filed Apr. 7, 1926.

MELCO

Particular description of goods.—Oil-Burning Apparatus.
Claims use since Mar. 1, 1923.

Ser. No. 229,814. (CLASS 11. INKS AND INKING MATERIALS.) PHILLIPS RIBBON & CARBON CO. INC., Rochester, N. Y. Filed Apr. 7, 1926.

CARBO-GRAPH

Particular description of goods.—Carbon Paper.
Claims use since Feb. 20, 1926.

Ser. No. 229,821. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROYAL COAL COMPANY, Chicago, Ill. Filed Apr. 7, 1926.

MONOGRAM

Particular description of goods.—Coal.
Claims use since May, 1925.

Ser. No. 229,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SATISFACTION COFFEE CO., Pittsburgh, Pa. Filed Apr. 7, 1926.

SATISFACTION

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Aug. 1, 1925.

Ser. No. 229,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMERO LABORATORIES, Detroit, Mich. Filed Apr. 7, 1926.

MY BUDDY

Particular description of goods.—Hairdressing to be Used for the Beautifying, Care, and Preservation of the Hair.
Claims use since Jan. 3, 1924.

Ser. No. 229,846. (CLASS 39. CLOTHING.) THE BREARLEY COMPANY, Rockford, Ill. Filed Apr. 8, 1926.

SUNSHINE

Particular description of goods.—Caps for Use by Men, Women, and Children.
Claims use since Mar. 1, 1926.

Ser. No. 229,853. (CLASS 17. TOBACCO PRODUCTS.) NATHAN DIVVENS, Uniontown, Pa. Filed Apr. 8, 1926.

N. D.

Particular description of goods.—Cigars, Cheroots, Stogies, Tobies, Cigarettes, and Smoking and Chewing Tobacco.
Claims use since 1866.

Ser. No. 229,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JOHN D. JORDAN VINEGAR COMPANY, Tampa, Fla. Filed Apr. 8, 1926.

PEST-NOX

Particular description of goods.—Insecticide.
Claims use since Apr. 25, 1925.

Ser. No. 229,873. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW HOME SEWING MACHINE CO., New York, N. Y. Filed Apr. 8, 1926.

HOUSEHOLD

Particular description of goods.—Sewing Machines.
Claims use since Mar. 23, 1926.

Ser. No. 229,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAUDIUS NIELSEN, doing business as Nielco Products Company, Detroit, Mich. Filed Apr. 8, 1926.

VANIEL

Particular description of goods.—Food-Flavoring Extracts.
Claims use since Oct. 1, 1925.

Ser. No. 229,886. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Apr. 8, 1926.

MOBILUBRICANT

No claim is made to "Lubricant" except as a unitary part of the trade-mark.
Particular description of goods.—Oils, Greases, and Waxes of All Kinds and Similar Products for Lubricating, Illuminating, Heating, and Fuel Purposes, Also Gasoline.
Claims use since August, 1906.

Ser. No. 229,893. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MATTIE THAYER BASINGER, Kansas City, Mo. Filed Apr. 9, 1926.

DOLLOYD

Particular description of goods.—Paper Dolls.
Claims use since Feb. 26, 1926.

Ser. No. 229,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Apr. 9, 1926.

Lily OF THE Valley

Particular description of goods.—Oleomargarine.
Claims use since Mar. 1, 1910.

Ser. No. 229,919. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LINEHAN & MOLO, Dubuque, Iowa. Filed Apr. 9, 1926.

SILVER GEM KENTUCKY

The name "Kentucky" is disclaimed.
Particular description of goods.—Coal.
Claims use since Mar. 16, 1926.

Ser. No. 229,920. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LINEHAN & MOLO, Dubuque, Iowa. Filed Apr. 9, 1926.

UNIVERSAL

Particular description of goods.—Coal.
Claims use since Mar. 1, 1926.

Ser. No. 229,922. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MIDDLE RIVER BOTTLING CO., Middle River, Md. Filed Apr. 9, 1926.

POPULAR CLUB

"Popular Club."

Particular description of goods.—Carbonated, Nonalcoholic. Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale, Sarsaparilla, Root Beer, and Fruit Flavors.

Claims use since Mar. 25, 1926.

Ser. No. 229,969. (CLASS 39. CLOTHING.) WILLIAM KASINER, doing business as Kasiner Bros., Rochester, N. Y. Filed Apr. 10, 1926.

Style Art Clothes

The word "Clothes" is disclaimed apart from the mark shown.

Particular description of goods.—Young Men's and Men's Clothing, Which Comprises Coats, Vests, Trousers, and Knickers.

Claims use since Jan. 22, 1922.

Ser. No. 229,971. (CLASS 37. PAPER AND STATIONERY.) KURTZ BROS., Clearfield, Pa. Filed Apr. 10, 1926.

EDUCATOR

Particular description of goods.—Writing Tablets.

Claims use since June 30, 1915.

Ser. No. 229,984. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. E. RHOADS & SONS, Philadelphia, Pa. Filed Apr. 10, 1926.

SERTAN

Particular description of goods.—Leather Belting.

Claims use since Feb. 19, 1926.

Ser. No. 229,999. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Apr. 12, 1926.

WASH RITE

Particular description of goods.—Laundry Nets.

Claims use since Apr. 24, 1921.

Ser. No. 230,000. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Apr. 12, 1926.

LIBERTY

Particular description of goods.—Laundry Nets.

Claims use since Apr. 24, 1921.

Ser. No. 230,013. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE CHARLOTTE PEPSIN-COLA BOTTLING CO., Charlotte, N. C. Filed Apr. 12, 1926.

Particular description of goods.—Fruit Flavors for Soft Drinks.

Claims use since Mar. 1, 1925.

Ser. No. 230,025. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.

No claim is made to the exclusive use of the word "Quality" apart from the mark as shown in the drawing. The lines in the drawing are for shading only.

Particular description of goods.—Electric Washing Machines.

Claims use since January, 1926.

Ser. No. 230,026. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.

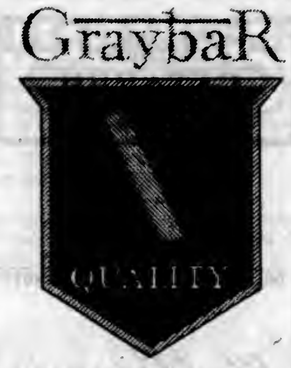
GraybaR

The lines in the drawing constituting the bar above the word "Graybar" are for shading only.

Particular description of goods.—Electric Washing Machines.

Claims use since January, 1926.

Ser. No. 230,027. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.



No claim is made to the exclusive use of the word "Quality" apart from the mark as shown in the drawing. The lines in the drawing are for shading only.

Particular description of goods.—Electric Washing Machines.

Claims use since January, 1926.

Ser. No. 230,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PREVENTOL LABORATORIES, Davenport, Iowa. Filed Apr. 12, 1926.

Preventol

Particular description of goods.—Medicinal Ointment for Intestinal Lubrication to Prevent Constipation and Intestinal Irritation.

Claims use since about Oct. 10, 1925.

Ser. No. 230,049. (CLASS 12. CONSTRUCTION MATERIALS.) ROCKLAND & ROCKPORT LIME CORPORATION, Rockland, Me. Filed Apr. 12, 1926.

Particular description of goods.—Hydrated Lime.

Claims use since about Mar. 24, 1925.

Ser. No. 230,084. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE N. D. CASS CO., Athol, Mass. Filed Apr. 13, 1926.

Particular description of goods.—Toy Trunks, Wardrobes, and Suitcases; Toy Animals, including Toy Horses on Wheels; Toy Pails and Spades, Toy Vehicles, Including Wagons, Autotrucks, Gondolas, Street Sweepers, robes, and Suitcases; Toy Animals, Including Toy Bowling Alleys, Toy Laundry Sets, Toy Pastry Sets; Toy Furniture, Including Beds, Folding Beds, Cradles, Bassinets, Chairs, High Chairs, and Rockers, Bureaus, China Cabinets, Kitchen Cabinets, Sewing Cabinets, Tables, and Dressing Tables; Toy Pianos, Drums, and Bass Drums; Toy Tool Chests, Toy Cedar Chests, Toy Ironing Boards and Washboards, Toy Alphabet Blocks and Building Blocks, Roller Chimes, Noah's Arks, Ringtoss Games, Tenpins: Toy Blackboards, Including Wall, Easel, and Desk Blackboards.

Claims use since February, 1922.

Ser. No. 230,089. (CLASS 17. TOBACCO PRODUCTS.) CUESTA, REY & COMPANY, Tampa, Fla. Filed Apr. 13, 1926.

CLASSICS

Particular description of goods.—Cigars.

Claims use since Apr. 1, 1924.

Ser. No. 230,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOUGLAS COUNTY HATCHERY COMPANY, Alexandria, Minn. Filed Apr. 13, 1926.

The descriptive phrase "Quality Baby Chicks," the pictorial representation of a chick, and the color lines on the drawing are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Baby Chicks.

Claims use since Dec. 1, 1924.

Ser. No. 230,123. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROSS & GADE CO., INC., New York, N. Y. Filed Apr. 13, 1926.

DEFLECTO

Particular description of goods.—Water-Control Valves for Bathroom Fixtures.
Claims use since Sept. 2, 1925.

Ser. No. 230,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERRY FLOUR CO., San Francisco, Calif. Filed Apr. 13, 1926.

SURE FAT

Particular description of goods.—Poultry Food.
Claims use since Feb. 10, 1926.

Ser. No. 230,138. (CLASS 39. CLOTHING.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Apr. 13, 1926.

Trade-mark consists in the word "Repco."
Particular description of goods.—Wood Heels for Shoes.
Claims use since June, 1922.

Ser. No. 230,144. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Apr. 13, 1926.

REPCO

"Repco."
Particular description of goods.—Shoe Stretchers.
Claims use since September, 1922.

Ser. No. 230,146. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILKES & SEAMAN CO., Louisville, Ky. Filed Apr. 13, 1926.

EUREKA

Particular description of goods.—Prepared Chocolate for Use in Making Food Beverages, Cake Mix, Dry Pie Filling, Marshmallow Powder, and Food-Flavoring Extracts, and Mincemeat.
Claims use since June, 1921.

Ser. No. 230,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAMS MANUFACTURING CO., Cleveland, Ohio. Filed Apr. 13, 1926. Under 10-year proviso.

Particular description of goods.—Catarrh Snuff.
Claims use since 1835.

Ser. No. 230,159. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) E. CLEMENS HORST CO., San Francisco, Calif. Filed Apr. 14, 1926.

ROSE

Particular description of goods.—Hops.
Claims use since Apr. 1, 1914.

Ser. No. 230,164. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Apr. 14, 1926.

UNO

Particular description of goods.—Phantom Minnows.
Claims use since Apr. 1, 1926.

Ser. No. 230,167. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 14, 1926.

Charmina

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 15, 1926.

Ser. No. 230,188. (CLASS 37. PAPER AND STATIONERY.) NORMAN E. NORMAN, East Orange, N. J. Filed Apr. 14, 1926.

Tissutex

Particular description of goods.—Toilet Paper.
Claims use since about Sept. 17, 1925.

Ser. No. 230,195. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PITTSBURGH PLATE GLASS COMPANY, Rennous-Kleinle Division, Baltimore, Md. Filed Apr. 14, 1926.

LIBERTAR

Particular description of goods.—Brushes—Namely, Artists', Calcimine, Fitch, Fresco, Flowing, Furniture, Rubbing, Glue, Paint, Paste, Paper-Hangers', Plasterers', Radiator, Roof, Floor, Sash, Ship Seaming, Stucco-Stencil, Stippling, Sweeping, Varnish, Whitewash, Washing, and Counter; and Painters' and Stair Dusters.
Claims use since Jan. 5, 1926.

Ser. No. 230,199. (CLASS 17. TOBACCO PRODUCTS.) MAX R. TREBOW, doing business as Trebow Cigar Co., Philadelphia, Pa. Filed Apr. 14, 1926.

The name "Ingersoll" on trade-mark impressed in a particular and distinctive manner is the name as hand written by C. S. Ingersoll (a living individual) who on Mar. 10, 1926, gave the applicant herein permission to use his name.
Particular description of goods.—Cigars.
Claims use since Apr. 5, 1926.

Ser. No. 230,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIENGESELLSCHAFT CHOCOLAT TOBLER, Bern, Switzerland. Filed Apr. 15, 1926.

Tobleretti

Particular description of goods.—Chocolate.
Claims use since July 3, 1924.

Ser. No. 230,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIENGESELLSCHAFT CHOCOLAT TOBLER, Bern, Switzerland. Filed Apr. 15, 1926.

Toblerido

Particular description of goods.—Chocolate.
Claims use since July 22, 1922.

Ser. No. 230,209. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Apr. 15, 1926.

UTILITY

Particular description of goods.—Laundry Nets.
Claims use since Apr. 24, 1921.

Ser. No. 230,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEF BARON, Watervliet, Mich. Filed Apr. 15, 1926.

GOLDEN SWEET BAR

The words "Sweet Bar" are disclaimed apart from the mark as shown.
Particular description of goods.—Chocolate in Solid Form Used as a Confection.
Claims use since Apr. 10, 1925.

Ser. No. 230,238. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GUS GUTTREUND, doing business as Lamona Extract & Mfg. Co., Des Moines, Iowa. Filed Apr. 15, 1926.

GOLDEN GATE

Particular description of goods.—Orange Juice and Lemon Juice.
Claims use since Feb. 20, 1926.

Ser. No. 230,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERAMMON HEAD, Indianapolis, Ind. Filed Apr. 15, 1926.

Particular description of goods.—Hair Grower, Temple Grower, Tetter Salve, Shampoo, and Pressing Oil.
Claims use since December, 1922.

Ser. No. 230,267. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ROBERT SHERMAN, New York, N. Y. Filed Apr. 15, 1926.

Master Magic

No claim is made to the word "Magic" apart from the mark shown in the drawing.
Particular description of goods.—Toy Tricks.
Claims use since 1911.

Ser. No. 230,286. (CLASS 39. CLOTHING.) DIXON-BARTLETT COMPANY, Baltimore, Md. Filed Apr. 16, 1926.

Particular description of goods.—Leather Shoes.
Claims use since January, 1925.

Ser. No. 230,310. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PROGRESSIVE KNITTING WORKS, INC., Brooklyn, N. Y. Filed Apr. 16, 1926.

RAYCRAFT

Particular description of goods.—Silk Fabrics and Artificial Silk Knitted in the Piece.
Claims use since Dec. 5, 1925.

Ser. No. 230,334. (CLASS 39. CLOTHING.) FRAGNER HAT CORPORATION, New York, N. Y. Filed Apr. 17, 1926.

Humming Bird

Particular description of goods.—Men's and Boys' Caps.
Claims use since Jan. 1, 1922.

Ser. No. 230,345. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) NATIONAL CHEMICAL PRODUCTS CO. INC., Union City, N. J. Filed Apr. 17, 1926.

RUMIDOR
HUMIDOR

Applicant makes no claim for registration of the word "Humidor," but does claim originality and ownership to the combination of the word "Humidor" with "Rumidor" when connected with the common letter "I", as shown in the drawing.
Particular description of goods.—Moistening and Flavoring Product Used With Cigars, Cigarettes, and Pipe Tobacco.
Claims use since Apr. 2, 1926.

Ser. No. 230,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PELOSO BROS., New York, N. Y. Filed Apr. 17, 1926.

WHIPPO

Particular description of goods.—Chocolate-Covered Candy.
Claims use since Jan. 1, 1925.

Ser. No. 230,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROS. MILLING CO., Pleasant Hill, Mo. Filed Apr. 19, 1926.

CARNATION

Particular description of goods.—Wheat Flour.
Claims use since 1903.

Ser. No. 230,433. (CLASS 37. PAPER AND STATIONERY.) WASHINGTON RUBBER COMPANY, Chicago, Ill. Filed Apr. 19, 1926.

MONITOR

Particular description of goods.—Fountain Pens.
Claims use since Feb. 4, 1926.

Ser. No. 230,434. (CLASS 37. PAPER AND STATIONERY.) WASHINGTON RUBBER COMPANY, Chicago, Ill. Filed Apr. 19, 1926.

OLYMPIAN

Particular description of goods.—Fountain Pens.
Claims use since Jan. 16, 1926.

Ser. No. 230,437. (CLASS 15. OILS AND GREASES.) THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Apr. 20, 1926.

ZOLGAS

Particular description of goods.—Liquid Fuel for High-Compression Motors.
Claims use since Apr. 5, 1926.

Ser. No. 230,440. (CLASS 11. INKS AND INKING MATERIALS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed Apr. 20, 1926.

"OPALAC"

Particular description of goods.—Inks.
Claims use since May 1, 1922.

Ser. No. 230,454. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Apr. 20, 1926.

PARAGON

Particular description of goods.—Flavoring Extracts for Food Purposes.
Claims use since Jan. 1, 1915.

Ser. No. 230,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. HEATH, Austin, Tex. Filed Apr. 21, 1926.

Lock Tite

Particular description of goods.—Wax Coating Composition in Liquid Form for Stitching Thread.
Claims use since June 11, 1925.

Ser. No. 230,488. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEHMAN BROS., INC., Jersey City, N. J. Filed Apr. 21, 1926.

Particular description of goods.—Dry, Ready-Mixed, and Paste Paints, Paint Enamels, Varnishes, Prepared Shellacs, and Waterproofing Paints.
Claims use since Aug. 17, 1925.

Ser. No. 230,501. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SULLIVAN PAINT COMPANY, St. Louis, Mo. Filed Apr. 21, 1926.

SULCO

Particular description of goods.—Dry and Ready-Mixed Paints, Varnishes, Paint Enamels, Prepared Shellacs, Varnish Stains, Floor Enamels, Colors in Oil, Asphaltum for an Iron Paint, Ground Colors, Japan Drier, Paint Removers, Fillers, Lacquers, and Floor Wax.
Claims use since Mar. 1, 1926.

Ser. No. 230,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WAVERLY COMPANY, Minneapolis, Minn. Filed Apr. 21, 1926.

PROLAXIS

Particular description of goods.—Tooth Powder, Tooth Paste, Tooth Enamel, Stain Remover, Tooth-Enamel Polish, and Mouth Wash.
Claims use since Apr. 16, 1926.

Ser. No. 230,517. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 22, 1926.

Muskitny

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 1, 1926.

Ser. No. 230,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NU-LAX PRODUCTS COMPANY, Scranton, Pa. Filed Apr. 22, 1926.

NU-LAX

Particular description of goods.—Chewing Gum Containing Laxative.
Claims use since Dec. 1, 1925.

Ser. No. 230,567. (CLASS 39. CLOTHING.) RICE AND HUTCHINS, INCORPORATED, Boston, Mass. Filed Apr. 22, 1926.

RADIANT

Particular description of goods.—Boots and Shoes of Leather.
Claims use since Feb. 27, 1926.

Ser. No. 230,606. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed Apr. 22, 1926.

CASHMEEN

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1926.

Ser. No. 230,637. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y. Filed Apr. 23, 1926.

"A MIGEL SILK"
CREPE LIDO

No registration rights are claimed in the expressions "A Migel Silk," "Crepe," "Migel Silks," or "Originality—Quality" except in association with the other features of the mark.
Particular description of goods.—Silk Piece Goods.
Claims use since June 15, 1924.

Ser. No. 230,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala. Filed Apr. 24, 1926.

Pansy

Particular description of goods.—Cane Sirup for Food Purposes.
Claims use since January, 1924.

Ser. No. 230,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOURJOIS INC., New York, N. Y. Filed Apr. 24, 1926.

ASHES OF ROSES

Particular description of goods.—Toilet Preparations—Vis, Perfume, Toilet Water, Talcum Powder, Face Powder, Sachet Powder, Rouge, Cold Cream, and Lip Sticks.
Claims use since Oct. 9, 1909.

Ser. No. 230,662. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DU-KANA, INC., Syracuse, N. Y. Filed Apr. 24, 1926.

BATH-KĂNĂ

Particular description of goods.—Bath Salts.
Claims use since about Mar. 20, 1926.

Ser. No. 230,666. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. GREIF, doing business as Western Laboratories, San Francisco, Calif. Filed Apr. 24, 1926.

POM-POM

Particular description of goods.—Bath Salts.
Claims use since July, 1925.

Ser. No. 230,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. & W. PICKLE AND CANNING COMPANY, Montgomery, Ala. Filed Apr. 24, 1926.

GREEN BEAUTY

Particular description of goods.—Pickles.
Claims use since July, 1924.

Ser. No. 230,700. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. & W. PICKLE AND CANNING COMPANY, doing business as Lady Grace Pickle Company, Montgomery, Ala. Filed Apr. 24, 1926.

LADY GRACE

Particular description of goods.—Pickles.
Claims use since August, 1925.

Ser. No. 230,725. (CLASS 39. CLOTHING.) B. A. CORBIN & SON COMPANY, Marlboro, Mass. Filed Apr. 26, 1926.

Particular description of goods.—Shoes Made Partly or Wholly of Leather.
Claims use since January, 1892.

Ser. No. 230,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIZABETH MAE FOOD PRODUCTS CORP., Brooklyn, N. Y. Filed Apr. 26, 1926.

ELIZABETH MAE

Particular description of goods.—Fruit Jellies and Jams, Particularly Raspberry, Marmalade, Blackberry, Strawberry, Pineapple, Peach, Apricot, Currant, Grape, and Mint.
Claims use since on or about Oct. 15, 1925.

Ser. No. 230,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FLOYD-PARAMOUNT, INC., Newark, N. J. Filed Apr. 26, 1926.

FIVE SPOT

Particular description of goods.—Candy.
Claims use since Apr. 16, 1926.

Ser. No. 230,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARDWICK & MAGEE COMPANY, Philadelphia, Pa. Filed Apr. 26, 1926.

THE REVERE RUG

No claim is made to the words "The" and "Rug" apart from the mark shown.
Particular description of goods.—Textile Rugs.
Claims use since Apr. 2, 1926.

Ser. No. 230,743. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KLEIN BROTHERS, New York, N. Y. Filed Apr. 26, 1926.

No claim is made for the word "Crepe" apart from the mark shown in the drawing.
Particular description of goods.—Crepe Silks in the Piece.
Claims use since Jan. 2, 1925.

Ser. No. 230,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, St. Paul, Minn. Filed Apr. 26, 1926.

RINSELEMO

Particular description of goods.—Hairdressing Preparations.
Claims use since Apr. 7, 1926.

Ser. No. 230,751. (CLASS 39. CLOTHING.) MARVEL MAID GARMENT COMPANY, Chicago, Ill. Filed Apr. 26, 1926.

Fain-O-Ray

Particular description of goods.—Women's Undergarments—Namely, Slips and Bloomers.
Claims use since Mar. 1, 1926.

Ser. No. 230,755. (CLASS 15. OILS AND GREASES.) MONARCH MANUFACTURING COMPANY, Council Bluffs, Iowa. Filed Apr. 26, 1926.

MonaMotor

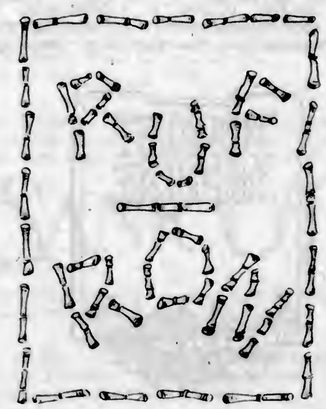
Applicant disclaims the word "Motor" apart from the mark as shown.
Particular description of goods.—Gasoline, Kerosene, and Petroleum Distillate.
Claims use since Sept. 2, 1924.

Ser. No. 230,772. (CLASS 39. CLOTHING.) THE STEIN-BLOCH CO., Rochester, N. Y. Filed Apr. 26, 1926.

MERCHANTEER

Particular description of goods.—Men's Sack Coats and Men's Overcoats.
Claims use since Mar. 1, 1926.

Ser. No. 230,782. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. H. BEHRENS & CO., INC., New York, N. Y. Filed Apr. 27, 1926.



Particular description of goods.—Piece Goods of Cotton, of a Mixture of Cotton and Silk, and of a Mixture of Cotton and Artificial Silk.
Claims use since Apr. 19, 1926.

Ser. No. 230,786. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Apr. 27, 1926.

DUCO SHADE CLOTH

No claim is made to the word "Shade" or "Cloth" apart from the mark shown.
Particular description of goods.—Shade Cloth.
Claims use since Mar. 25, 1926.

Ser. No. 230,803. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN E. SHUTT, Santa Monica, Calif. Filed Apr. 27, 1926.

NEsCO

Particular description of goods.—Depilatory, Deodorant, Soothing Lotion, and Dandruff Remover.
Claims use since Mar. 8, 1926.

Ser. No. 230,820. (CLASS 39. CLOTHING.) DIXIE HOSIERY MILLS, INC., Fort Worth, Tex. Filed Apr. 28, 1926.

Nursery

Particular description of goods.—Infants' Hosiery.
Claims use since Feb. 15, 1926.

Ser. No. 230,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed Apr. 28, 1926.

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Sachets, and Incenses.
Claims use since January, 1910.

Ser. No. 230,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Apr. 28, 1926.

SKIP-FLEA

Particular description of goods.—Flea or Insect Powder.
Claims use since April, 1922.

Ser. No. 230,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Apr. 28, 1926.

RUN-FIT

Particular description of goods.—Medicine for Dogs.
Claims use since August, 1923.

Ser. No. 230,845. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ERNEST A. RIEGER, New York, N. Y. Filed Apr. 28, 1926.

TUSORIENT

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1926.

Ser. No. 230,862. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Apr. 28, 1926.

YBX

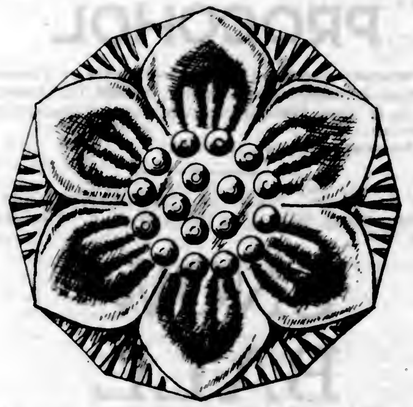
Particular description of goods.—Casing for Oil and Gas Wells.
Claims use since Dec. 21, 1923.

Ser. No. 230,863. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Apr. 28, 1926.

YB88

Particular description of goods.—Casing for Oil and Gas Wells.
Claims use since Feb. 5, 1924.

Ser. No. 230,870. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Apr. 29, 1926.



Particular description of goods.—Perfumery, Extracts, Toilet Waters, Lotions, Face Powders, and Sachet Powders.
Claims use since December, 1912.

Ser. No. 230,882. (CLASS 39. CLOTHING.) GREENWOOD HOSIERY MILL, INC., Greenwood, S. C. Filed Apr. 29, 1926.

BAYWOOD

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Apr. 10, 1926.

Ser. No. 230,889. (CLASS 31. FILTERS AND REFRIGERATORS.) JOSHUA DAVID KRAMER, doing business as Western Chair Company, Brooklyn, N. Y. Filed Apr. 29, 1926.

SUPREME

Particular description of goods.—Refrigerators.
Claims use since about October, 1924.

Ser. No. 230,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. LAWRENCE, doing business as Parfumerie Du-Moray, Washington, D. C. Filed Apr. 29, 1926.

Du-Moray

Particular description of goods.—Bath Salts.
Claims use since about Jan. 1, 1926.

Ser. No. 230,912. (CLASS 39. CLOTHING.) DODGE & SEYMOUR, LTD., New York, N. Y. Filed Apr. 30, 1926.

Particular description of goods.—Children's Hosiery.
Claims use since March, 1926.

Ser. No. 230,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING HALPERN, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y. Filed Apr. 30, 1926.

HAPPY BUNNY

Particular description of goods.—Dyes.
Claims use since Dec. 23, 1925.

Ser. No. 230,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. E. STOREY, doing business as Storey Laboratories, Houston, Tex. Filed Apr. 30, 1926.

LIVER SLUGS

Particular description of goods.—Medicine to be Used as a Chologogue and Liver and Gall-Bladder Stimulant Put Up in Tablet Form for Internal Use.
Claims use since Apr. 16, 1926.

Ser. No. 230,958. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE VENUS CORPORATION, New York, N. Y. Filed Apr. 30, 1926.

SANICOT

Particular description of goods.—Sanitary Napkins.
Claims use since Apr. 1, 1926.

Ser. No. 230,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE RIDGE GROCERY COMPANY, Asheville, N. C. Filed May 1, 1926.

BATTERY PARK

Particular description of goods.—Coffee.
Claims use since November, 1925.

Ser. No. 231,002. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed May 1, 1926.

PANTHEON

Particular description of goods.—Outside Paste and Liquid Paint.
Claims use since Apr. 23, 1926.

Ser. No. 231,003. (CLASS 37. PAPER AND STATIONERY.) KIMBERLY-CLARK COMPANY, Neenah, Wis. Filed May 1, 1926.

SERVO

Particular description of goods.—Book Paper.
Claims use since Mar. 24, 1926.

Ser. No. 231,004. (CLASS 37. PAPER AND STATIONERY.) KIMBERLY-CLARK COMPANY, Neenah, Wis. Filed May 1, 1926.

SERVOPLATE

Particular description of goods.—Book Paper.
Claims use since Apr. 2, 1926.

Ser. No. 231,009. (CLASS 31. FILTERS AND REFRIGERATORS.) JERE J. MURPHY, Naugatuck, Conn. Filed May 1, 1926.

Electrofrost

Particular description of goods.—Refrigerators and Refrigerator Display Cases.
Claims use since about Mar. 23, 1926.

Ser. No. 231,024. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed May 1, 1926.

WILBRO

Particular description of goods.—Neckties.
Claims use since Apr. 1, 1925.

Ser. No. 231,052. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY & COMPANY, Indianapolis, Ind. Filed May 3, 1926.

PROCOHOL

Particular description of goods.—Medicine or Pharmaceutical Preparation—an Isopropyl Alcohol (an Antiseptic to be Used Primarily on Appliance for Hypodermic Injection).
Claims use since Dec. 15, 1925.

Ser. No. 231,128. (CLASS 43. THREAD AND YARN.) STEINBERGER BROS., INC., New York, N. Y. Filed May 4, 1926.

SNOW BALL

Particular description of goods.—Cotton, Woolen, Silk, and Artificial-Silk Yarn and Angora Yarn.
Claims use since May 1, 1926.

Ser. No. 231,172. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I. Filed May 5, 1926.

GRANOLITH

"Granolith."
Particular description of goods.—Ready-Mixed Paints.
Claims use since Sept. 13, 1909.

Ser. No. 231,210. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ALBERT PICK & COMPANY, Chicago, Ill. Filed May 6, 1926.

Particular description of goods.—Matches.
Claims use since February, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 8, 1926.

213,800. SMOKING AND CHEWING TOBACCO, CIGARS, AND CIGARETTES. GALLAHER LIMITED, Belfast, Ireland.
Filed January 8, 1926. Serial No. 225,657. PUBLISHED MARCH 30, 1926.

213,801. PAPER GARMENT BAGS. THE ROSETH CORPORATION, Brooklyn, N. Y.
Filed January 8, 1926. Serial No. 225,678. PUBLISHED MARCH 30, 1926.

213,802. PAPER GARMENT BAGS. THE ROSETH CORPORATION, Brooklyn, N. Y.
Filed January 8, 1926. Serial No. 225,679. PUBLISHED MARCH 30, 1926.

213,803. TOY HOUSES, GARAGES, GASOLINE SERVICE STATIONS, DRUG STORES, FIRE-DEPARTMENT STATIONS, HOTELS, BANKS, POLICE STATIONS, GENERAL STORES, RAILROAD STATIONS, SCHOOLS, CHURCHES, LIBRARIES, AND FACTORIES. SINGER PAPER PRODUCTS CO. NOT INC., Chicago, Ill.
Filed January 8, 1926. Serial No. 225,682. PUBLISHED MARCH 30, 1926.

213,804. TOY WOODEN BUILDING BLOCKS. G. E. CROSMAN & SONS CO., Deering Junction, Portland, Me.
Filed January 9, 1926. Serial No. 225,704. PUBLISHED MARCH 30, 1926.

213,805. RUBBING ALCOHOL, BAY RUM, AFTER-SHAVING LOTION, TOILET WATER, COCOA-OIL SHAMPOO, QUININE, HAIR TONIC; TINCTURE OF GINGER, DOUBLE U. S. P. STRENGTH, 91 PER CENT; FACE AND TALCUM POWDERS, COLD CREAMS, VANISHING CREAMS, AND MASSAGE CREAMS. ALBERT M. GUGENHEIM, doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio.
Filed January 9, 1926. Serial No. 225,710 PUBLISHED MARCH 30, 1926.

213,806. PYROXYLIN ENAMELS. E. I. DUPONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 11, 1926. Serial No. 225,777. PUBLISHED MARCH 23, 1926.

213,807. CANDY. JOSEPH F. RUBY, Naugatuck, Conn.
Filed January 20, 1926. Serial No. 226,166. PUBLISHED MARCH 30, 1926.

213,808. PICKLES. ALVA MORSE, Washington, D. C., assignor to Alva Morse, Inc., Washington, D. C., a Corporation of Delaware.
Filed January 20, 1926. Serial No. 226,119. PUBLISHED MARCH 23, 1926.

213,809. MALT SIRUP FOR FOOD PURPOSES. FIDELITY HOP & MALT COMPANY, Chicago, Ill.
Filed January 13, 1926. Serial No. 225,878. PUBLISHED MARCH 23, 1926.

213,810. MALT SIRUP FOR FOOD PURPOSES. FIDELITY HOP & MALT COMPANY, Chicago, Ill.
Filed January 13, 1926. Serial No. 225,879. PUBLISHED MARCH 23, 1926.

213,811. MALT EXTRACTS FOR FOOD PURPOSES. RELIANCE MALT PRODUCTS CO., Chicago, Ill.
Filed January 13, 1926. Serial No. 225,889. PUBLISHED MARCH 23, 1926.

213,812. SILK AND RAYON DRESSES. JOROCCO DRESSES, INC., New York, N. Y.
Filed January 14, 1926. Serial No. 225,926. PUBLISHED MARCH 30, 1926.

213,813. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR, DRESS SHIRTS, OVERALLS, MEN'S PAD GARTERS, WOMEN'S HOUSE DRESSES AND APRONS, MEN'S CAPS, AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, NECKTIES, WORK TROUSERS; GLOVES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS OF THE SAME; SUSPENDERS, AND BELTS OF LEATHER. KENNETH F. HARDIN, doing business as Hardin & Slider, New Albany, Ind.
Filed January 15, 1926. Serial No. 225,957. PUBLISHED MARCH 30, 1926.

213,814. VARNISH PRODUCTS. RINSHED-MASON CO., Detroit, Mich.
Filed January 15, 1926. Serial No. 225,978. PUBLISHED MARCH 23, 1926.

213,815. INCENSE. NIPPON DRY GOODS COMPANY, San Francisco, Calif.
Filed January 18, 1926. Serial No. 226,072. PUBLISHED MARCH 30, 1926.

213,816. RIM FLAPS FOR TIRES. DEXTER RUBBER MANUFACTURING COMPANY, Goshen, N. Y.
Filed January 15, 1926. Serial No. 225,953. PUBLISHED MARCH 30, 1926.

213,817. WASHING SODA. THE BUCKEYE SODA PRODUCTS COMPANY, Cincinnati, Ohio.
Filed July 10, 1925. Serial No. 217,131. PUBLISHED MARCH 9, 1926.

213,818. INSECTICIDE. THE REX COMPANY, Kansas City, Mo.
Filed July 6, 1925. Serial No. 216,936. PUBLISHED SEPTEMBER 22, 1925.

213,819. WEIGHING SCALES. SANITARY SCALE COMPANY, Chicago, Ill.
Filed January 15, 1926. Serial No. 225,980 PUBLISHED MARCH 30, 1926.

213,820. SCALP TONIC. PAUL COLLA, Youngstown, Ohio.
Filed January 15, 1926. Serial No. 225,951. PUBLISHED MARCH 9, 1926.

213,821. COAGULATORS FOR THE MANUFACTURE OF CHEESE AND BUTTERMILK, AND CHEESE. THE VITALAC CORPORATION, Detroit, Mich.
Filed December 3, 1925. Serial No. 224,221. PUBLISHED MARCH 23, 1926.

213,822. TOILET PREPARATIONS—VIZ, PERFUMES. NYAL COMPANY, Detroit, Mich.
Filed November 24, 1925. Serial No. 223,799. PUBLISHED MARCH 2, 1926.

213,823. GASKETS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed January 15, 1926. Serial No. 225,987. PUBLISHED MARCH 30, 1926.

213,824. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, LIP STICKS, EYEBROW PENCILS, INCENSES, AND SACHETS. TRUVY, INC., New York, N. Y.
Filed January 15, 1926. Serial No. 225,986. PUBLISHED MARCH 23, 1926.

213,825. FOOD-FLAVORING EXTRACTS. FRANK E. HARRIS CO. INC., Binghamton, N. Y.
Filed December 8, 1925. Serial No. 224,390. PUBLISHED MARCH 23, 1926.

213,826. SOLVENT FOR DRAIN PIPES AND THE LIKE. SAMUEL GROSS, doing business as Gem Chemical Co., New York, N. Y.
Filed December 15, 1925. Serial No. 224,703. PUBLISHED MARCH 2, 1926.

213,827. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden.
Filed February 20, 1925. Serial No. 209,903. PUBLISHED MARCH 30, 1926.

213,828. BATTERY ACIDS AND SULPHURIC ACIDS. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio.
Filed January 12, 1926. Serial No. 225,851. PUBLISHED MARCH 9, 1926.

213,829. CHEMICAL COMPOUNDS FOR ABSORBING MOISTURE IN STEEL AND ORGANIC-COMBUSTION ANALYSIS. ARTHUR H. THOMAS COMPANY, Philadelphia, Pa.
Filed January 12, 1926. Serial No. 225,852. PUBLISHED MARCH 2, 1926.

213,830. SELF-MEASURING LIQUID-DISPENSING VALVES, SELF-MEASURING CREAM DISPENSERS, SELF-MEASURING GASOLINE AND OIL PUMPS, SELF-MEASURING BEVERAGE DISPENSERS, AND SELF-MEASURING SIRUP DISPENSERS. PRECISION LIQUID DISPENSER COMPANY, Minneapolis, Minn.
Filed January 8, 1926. Serial No. 225,676. PUBLISHED MARCH 30, 1926.

213,831. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSES, TALCUM POWDERS, LIP STICKS, EYEBROW PENCILS, AND SACHETS. MATÉ, INC., Philadelphia, Pa.
Filed January 9, 1926. Serial No. 225,723. PUBLISHED FEBRUARY 23, 1926.

213,832. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSES, TALCUM POWDERS, LIP STICKS, EYEBROW PENCILS, AND SACHETS. MATÉ, INC., Philadelphia, Pa.
Filed January 9, 1926. Serial No. 225,724. PUBLISHED FEBRUARY 23, 1926.

213,833. MEDICAL PREPARATION FOR THE TREATMENT OF THE HEART. E. BILHUBER, INC., New York, N. Y.
Filed January 11, 1926. Serial No. 225,761. PUBLISHED MARCH 9, 1926.

213,834. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed January 7, 1926. Serial No. 225,592. PUBLISHED MARCH 30, 1926.

213,835. AUTOMOBILE TIRES AND INNER TUBES. PHELPS TIRE & RUBBER COMPANY, Garfield, N. J.
Filed January 6, 1926. Serial No. 225,574. PUBLISHED MARCH 30, 1926.

213,836. PICTURE FRAMES AND MIRROR FRAMES. RELIANCE PICTURE FRAME CO., INC., New York, N. Y.
Filed December 31, 1925. Serial No. 225,380. PUBLISHED MARCH 30, 1926.

213,837. LAXATIVE GUMDROPS. NU-LAX MFG. CO., New York, N. Y.
Filed December 31, 1925. Serial No. 225,377. PUBLISHED MARCH 16, 1926.

213,838. AFTER-SHAVING LOTION. J. K. MILLS & CO., Hackettstown, N. J.
Filed December 31, 1925. Serial No. 225,370. PUBLISHED MARCH 2, 1926.

213,839. RHEUMATISM MEDICINE. CHIN QUONG, San Francisco, Calif.
Filed November 4, 1925. Serial No. 222,799. PUBLISHED JANUARY 19, 1926.

213,840. HAIR TONIC. MORRIS LANGHAUS, doing business as Holdstrong Chemical Co., New York, N. Y.
Filed September 9, 1925. Serial No. 220,029. PUBLISHED NOVEMBER 3, 1925.

213,841. LIBRARY, GATE-LEG, END, CONSOLE, KITCHEN, DINING, AND BREAKFAST TABLES; CHAIRS FOR OFFICE AND HOUSEHOLD USE, UPHOLSTERED AND BED DAVENPORTS, WOOD AND STEEL BEDS, BED SPRINGS, DRESSERS, BUFFETS, CHINA CABINETS, KITCHEN CABINETS, CHILDREN'S BED AND BASSINETS, CHIFFORETTES AND WARDROBES, PHONOGRAPH AND RADIO CABINETS, PIANO STOOLS AND BENCHES, FOOTSTOOLS, FERNERIES, DESKS, SEWING CABINETS, CEDAR CHESTS, AND BOOKCASES. JOHN H. ZIMMERMAN, doing business as The Zimmerman Co. and Zimmerman Furniture Co., Sioux City, Iowa.
Filed September 8, 1925. Serial No. 220,006. PUBLISHED MARCH 30, 1926.

213,842. SAUCE FOR USE ON MACARONI, SPAGHETTI, AND RICE. JOHN L. BACIGALUPO, doing business as Ginocchio & Co., Chicago, Ill.
Filed August 21, 1925. Serial No. 219,162. PUBLISHED MARCH 23, 1926.

213,843. HAIR TONIC. JAMES A. MCCORMACK, New York, N. Y.
Filed December 15, 1925. Serial No. 224,716. PUBLISHED MARCH 9, 1926.

213,844. DENTIFRICES. JOHN OPPIE MCCALL, New York, N. Y.
Filed January 16, 1926. Serial No. 226,010. PUBLISHED MARCH 2, 1926.

213,845. LAXATIVE. LOUIS PHILIPPE, INC., New York, N. Y.
Filed January 16, 1926. Serial No. 226,018. PUBLISHED MARCH 9, 1926.

213,846. ROCKERLESS ROCKING-CHAIRS. EMMANUEL MISSIONARY COLLEGE, Berrien Springs, Mich.
Filed January 22, 1926. Serial No. 226,238. PUBLISHED MARCH 30, 1926.

213,847. INSECTICIDES. JONES M. CHAMBLIN, doing business as The Capitol Insecticide Co., Jackson, Miss.
Filed February 10, 1926. Serial No. 227,110. PUBLISHED MARCH 23, 1926.

213,848. FEMENINA, A MEDICINAL PREPARATION FOR FEMALE AILMENTS. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed December 30, 1925. Serial No. 225,330. PUBLISHED MARCH 16, 1926.

213,849. MEDICINES, AND PARTICULARLY RARE EARTHS POSSESSING ACTIVITY IN THE ELIMINATION OF TOXINS PRODUCED IN THE COLON BY BACTERIAL ACTION. CHARLES FRANK WHITING COOK, doing business as Herbert & Whiting Company, Brooklyn, N. Y.
Filed December 19, 1925. Serial No. 224,904. PUBLISHED FEBRUARY 16, 1926.

213,850. CORDIAL FOR USE FOR CHOLERA MORBUS, DIARRHEA, COLIC, AND LOOSENESS OF THE BOWELS. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed December 30, 1925. Serial No. 225,332. PUBLISHED MARCH 16, 1926.

213,851. SOLVENT CLEANSER, WATER SOFTENER, AND BOILER COMPOUND. ANGUS CAMERON, doing business as Associated Products Company, New York, N. Y., assignor to Helpa Products Corporation, New York, N. Y., a Corporation of New York.
Filed December 19, 1925. Serial No. 224,901. PUBLISHED MARCH 2, 1926.

213,852. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, INCENSES, TALCUM POWDERS, LIP STICKS, EYEBROW PENCILS, AND SACHETS. VICTOR VIVAUDOU, New York, N. Y.
Filed December 18, 1925. Serial No. 224,887. PUBLISHED MARCH 2, 1926.

213,853. MEDICINE FOR USE IN THE TREATMENT OF RHEUMATISM. DALE & DALE, Sacramento, Calif.
Filed December 17, 1925. Serial No. 224,811. PUBLISHED MARCH 2, 1926.

213,854. HERB REMEDIES IN TABLET AND LIQUID FORM. SYDNEY SMITHLINE, doing business as The Three 3 Indians Herb-Gardens, New York, N. Y.
Filed December 26, 1925. Serial No. 225,204. PUBLISHED MARCH 16, 1926.

213,855. TOOTH POWDER. NOVODENT CHEMICAL CO., San Francisco, Calif.
Filed December 28, 1925. Serial No. 225,236. PUBLISHED MARCH 9, 1926.

213,856. FACE POWDERS, FACE CREAMS, FACE PACKS, SKIN LOTIONS, HAND LOTIONS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, LIP STICKS, EYEBROW PENCILS, TALCUM POWDERS, INCENSE, SACHETS, BRILLIANTINE, TISSUE BUILDER, AND SKIN TONIC. EMMA BEECHAM, doing business as Beecham's Laboratory, Oscawana-on-Hudson, N. Y.
Filed December 29, 1925. Serial No. 225,252. PUBLISHED MARCH 9, 1926.

213,857. KITCHEN CABINETS, HOUSEHOLD TABLES, TABLE ATTACHMENTS FOR BEDS AND SIMILAR ARTICLES OF FURNITURE. JOHN VIDETTA, Weehawken, N. J.
Filed December 30, 1925. Serial No. 225,333. PUBLISHED MARCH 23, 1926.

213,858. VERMIFUGE. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed December 30, 1925. Serial No. 225,328. PUBLISHED MARCH 16, 1926.

213,859. PREPARATION TO SET DYE IN FABRICS. NELLE MCGHEE CROUCH, doing business as Nedit Co., Columbia, Mo.
Filed December 31, 1925. Serial No. 225,351. PUBLISHED MARCH 9, 1926.

213,860. PILE REMEDY. JOHN J. HORN, Oilton, Okla.
Filed December 31, 1925. Serial No. 225,362. PUBLISHED MARCH 2, 1926.

213,861. HAIR TONIC. IRVING WEINBERG, doing business as Liberty Laboratories, Bridgeport, Conn.
Filed January 13, 1926. Serial No. 225,900. PUBLISHED MARCH 2, 1926.

213,862. HAIR TONIC. JOHN ZAJAC, Peabody, Mass.
Filed January 14, 1926. Serial No. 225,946. PUBLISHED MARCH 9, 1926.

213,863. SALVE OR PLASTER FOR TREATING CANCER. ELMER E. COOK, Onalaska, Wash.
Filed January 13, 1926. Serial No. 225,871. PUBLISHED MARCH 2, 1926.

213,864. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE AND TOILET POWDERS, ROUGES, LIP STICKS, AND BATH SALT. STORFER LABORATORIES INC., New York, N. Y.
Filed January 13, 1926. Serial No. 225,894. PUBLISHED MARCH 2, 1926.

213,865. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden.
Filed February 20, 1925. Serial No. 209,905. PUBLISHED MARCH 30, 1926.

213,866. PHARMACEUTICAL PREPARATION USED FOR PREPARING SULPHURETED BATHS AGAINST FOLLOWING DISEASES: RHEUMATIC AFFECTIONS, SKIN DISEASES, SCROFULA, VARICOSE ULCERS ON THE FEET, CHRONIC DISEASES OF WOMEN, CHRONIC SYPHILIS, CHRONIC METAL POISONING. WOLO A.-G., (WOLO LTD.), Zurich, Switzerland.
Filed March 12, 1925. Serial No. 210,942. PUBLISHED MARCH 23, 1926.

213,867. BOYS' SUITS IN ONE, TWO, THREE, AND FOUR PIECE GARMENTS, MANUFACTURED FROM WOOLEN FABRICS. LEVINSOHN & LEVINSOHN, New York, N. Y.
Filed February 20, 1925. Serial No. 209,924. PUBLISHED MARCH 30, 1926.

213,868. SHADE ROLLERS. EDSTROM-WETMORE-HENDERSON CORP., Warren, Pa.
Filed April 10, 1925. Serial No. 212,487. PUBLISHED MARCH 23, 1926.

213,869. PRODUCTS FOR THE PREPARATION OF WHITE-PINE-NEEDLE BATHS USED FOR TREATING WEAKNESS CAUSED BY PHYSICAL AND MENTAL OVEREXERTION, AFFECTIONS OF THE HEART, RHEUMATISM, WOMEN'S DISEASES, AND SKIN DISEASES. WOLO A.-G., (WOLO LTD.), Zurich, Switzerland.
Filed March 12, 1925. Serial No. 210,945. PUBLISHED MARCH 23, 1926.

213,870. MALT EXTRACTS FOR FOOD PURPOSES. JOSEPH DUFEK, doing business as Lager Malt Extract Company, Chicago, Ill.
Filed April 20, 1925. Serial No. 213,013. PUBLISHED MARCH 23, 1926.

213,871. ICE CREAM. J. A. PARDOE, doing business as J. A. Pardoe Company, Omaha, Nebr.
Filed April 13, 1925. Serial No. 212,634. PUBLISHED MARCH 23, 1926.

213,872. HOSIERY. E. D. ATTIX, Knoxville, Tenn.
Filed June 29, 1925. Serial No. 216,578. PUBLISHED MARCH 30, 1926.

213,873. MEDICINES AND CHEMICAL TREATMENT MATERIAL FOR PYORRHEA. SUN CHEMICAL CO., Oakland, Calif.
Filed June 10, 1925. Serial No. 215,600. PUBLISHED MARCH 2, 1926.

213,874. CANDY. EATMORE CANDY CO., Omaha, Nebr.
Filed May 26, 1925. Serial No. 214,914. PUBLISHED MARCH 30, 1926.

213,875. UNMIXED COLORS, BRONZE POWDERS AND LIQUIDS, FILLER, AND PREPARED SHELLAC. JOSEPH SOLTZ, Atlantic City, N. J.
Filed September 11, 1925. Serial No. 220,151. PUBLISHED MARCH 23, 1926.

213,876. EFFERVESCENT TABLETS AND A LIQUID PREPARATION FOR RELIEF OF HEADACHES, MENTAL FATIGUE, AND PHYSICAL EXHAUSTION. GEORGE W. TOLBIN, doing business as Niblot Pharmacal Co., New York, N. Y.
Filed October 17, 1925. Serial No. 221,934. PUBLISHED MARCH 9, 1926.

213,877. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 14, 1925. Serial No. 221,697. PUBLISHED NOVEMBER 24, 1925.

213,878. ANTISEPTICS AND GERMICIDES. DETROIT DENTAL MANUFACTURING CO., Detroit, Mich.
Filed January 25, 1926. Serial No. 226,340. PUBLISHED MARCH 2, 1926.

213,879. PILE SALVE. VAN VLEET-MANSFIELD DRUG Co., Memphis, Tenn.
Filed December 30, 1925. Serial No. 225,331. PUBLISHED MARCH 9, 1926.

213,880. MIRRORS. CHICAGO MIRROR & ART GLASS Co., Chicago, Ill.
Filed January 30, 1926. Serial No. 226,631. PUBLISHED MARCH 23, 1926.

213,881. INNER TUBES OF RUBBER FOR PNEUMATIC TIRES. THE INDIA TIRE AND RUBBER COMPANY, Mogadore and Akron, Ohio.
Filed February 10, 1926. Serial No. 227,121. PUBLISHED MARCH 30, 1926.

213,882. BELT KNIVES, BELT PUNCHES, AND BELT TIGHTENERS OR BELT STRETCHERS. VICTOR BALATA & TEXTILE BELTING Co., New York, N. Y.
Filed February 3, 1926. Serial No. 226,838. PUBLISHED MARCH 30, 1926.

213,883. MEDICINAL PREPARATION TO BE USED AS A TONIC FOR BAD BLOOD, KIDNEY AND LIVER TROUBLES, FOR THE STOMACH, AND AS A TREATMENT FOR MALARIA, COLDS, RHEUMATISM, NERVE DISORDERS, AND CONSTIPATION. C. J. BULLARD, Marshall, Tex.
Filed February 6, 1926. Serial No. 226,940. PUBLISHED MARCH 23, 1926.

213,884. PERFUME. FALLIS INC., doing business as Wendy Parfumerie, Cincinnati, Ohio.
Filed February 8, 1926. Serial No. 227,005. PUBLISHED MARCH 23, 1926.

213,885. PERFUMES. FALLIS INC., doing business as Wendy Parfumerie, Cincinnati, Ohio.
Filed February 8, 1926. Serial No. 227,006. PUBLISHED MARCH 23, 1926.

213,886. ANTIFREEZE COMPOUND. COLGATE & COMPANY, Jersey City, N. J.
Filed February 9, 1926. Serial No. 227,060. PUBLISHED MARCH 23, 1926.

213,887. PREPARATION FOR THE REMOVAL OF CORNS AND CALLI. FRANK L. KIRCHHOFF, doing business as Jay-Bee Chemical Co., New York, N. Y.
Filed February 9, 1926. Serial No. 227,077. PUBLISHED MARCH 23, 1926.

213,888. LIQUID USED IN THE TREATMENT OF BRONCHIAL AFFECTIONS. AMERICAN ARLESHEIM LABORATORIES, INC., New York, N. Y.
Filed February 10, 1926. Serial No. 227,101. PUBLISHED MARCH 23, 1926.

213,889. LIQUID DISINFECTANT. THE CLARKE CHEMICAL COMPANY, Wickliffe, Ohio.
Filed February 10, 1926. Serial No. 227,111. PUBLISHED MARCH 23, 1926.

213,890. PREPARATION FOR THE TREATMENT OF GONORRHEA. LIPOIDAL LABORATORIES, INC., New York, N. Y.
Filed February 10, 1926. Serial No. 227,128. PUBLISHED MARCH 23, 1926.

213,891. AVIATION APPAREL—TO WIT, SUITS, JACKETS, COATS, TROUSERS, OVERCOATS, HELMETS, AND GLOVES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF—FOR MEN AND WOMEN. A. G. SPALDING & BROS., New York, N. Y.
Filed October 28, 1925. Serial No. 222,485. PUBLISHED MARCH 30, 1926.

213,892. TALC POWDER, PERFUMES, TOILET WATER, AND FACE POWDER. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1925. Serial No. 222,310. PUBLISHED MARCH 16, 1926.

213,893. COTTON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed February 12, 1926. Serial No. 227,239. PUBLISHED MARCH 30, 1926.

213,894. ARNICA LINIMENT. VAN VLEET-MANSFIELD DRUG Co., Memphis, Tenn.
Filed December 30, 1925. Serial No. 225,329. PUBLISHED MARCH 16, 1926.

213,895. APPARATUS FOR REGISTERING THE COLOR-WAVE VALUE OR RADIO ACTIVE AND RADIO EMANATIVE VALUE OF THE HUMAN BODY AND THE LIKE. SPECTRO-CHROME INSTITUTE (INCORPORATED), Malaga, N. J.
Filed October 19, 1925. Serial No. 221,982. PUBLISHED MARCH 30, 1926.

213,896. PREPARATION FOR COMBATING HYPOGALACTIA. HAUSMANN A.-G. SCHWEIZ. MEDIZINAL & SANITÄTS-GESCHÄFT ST. GALLEN, St. Gall, Switzerland.
Filed November 9, 1925. Serial No. 223,033. PUBLISHED MARCH 23, 1926.

213,897. AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, SCRAPERLESS FILTERS AND CHEMICAL DRIERS, FILTER-CAKE COMPRESSORS, DRYING SYSTEMS, AND DRUM-TYPE DRIERS USED IN CONNECTION WITH FILTERS OR FILTERING APPARATUS AND CONSTITUTING A PART THEREOF. FILTRATION ENGINEERS INC., New York, N. Y.
Filed November 9, 1925. Serial No. 223,028. PUBLISHED MARCH 30, 1926.

213,898. MACHINES FOR CLEANING DISHES, GLASSES, SILVER, AND THE LIKE. STERILWASH MACHINE COMPANY, Hamilton, Ohio.
Filed November 5, 1925. Serial No. 222,884. PUBLISHED MARCH 30, 1926.

213,899. SUPPOSITORIES FOR PREVENTION AND ALLEVIATION OF DISEASES OF THE PELVIC ORGANS PECULIAR TO WOMEN, VENERAL DISEASES, AND PILES. DR. PIERRE CHEMICAL Co., Chicago, Ill.
Filed November 5, 1925. Serial No. 222,873. PUBLISHED MARCH 16, 1926.

213,900. SUPPOSITORIES FOR PREVENTION AND ALLEVIATION OF DISEASES OF THE PELVIC ORGANS PECULIAR TO WOMEN, VENEREAL DISEASES, AND PILES. DR. PIERRE CHEMICAL Co., Chicago, Ill.
Filed November 5, 1925. Serial No. 222,872. PUBLISHED MARCH 16, 1926.

213,901. PREPARATION FOR REMOVING THE ROUGHNESS OF A COLLAR AND PRESERVING THE SKIN FROM IRRITATION. NICHOLAS N. MARCOTOON, New York, N. Y.
Filed November 5, 1925. Serial No. 222,858. PUBLISHED JANUARY 5, 1926.

213,902. MEDICINAL PREPARATION FOR THE TREATMENT OF DISEASES OF THE KIDNEYS. WILSON-HUGHES DRUG Co. INC., Memphis, Tenn.
Filed February 21, 1924. Serial No. 192,655. PUBLISHED MARCH 2, 1926.

213,903. SURVEYING INSTRUMENTS. NEW YORK BLUE PRINT PAPER Co., New York, N. Y.
Filed March 1, 1924. Serial No. 193,115. PUBLISHED JULY 22, 1924.

213,904. FRESH CITROUS FRUITS — NAMELY, FRESH LEMONS. GLENDORA LEMON GROWERS ASSOCIATION, Glendora, Calif.
Filed October 17, 1924. Serial No. 204,025. PUBLISHED MARCH 30, 1926.

213,905. FATTY ACIDS SUCH AS MADE FROM LINSEED OIL, CORN OIL, AND SOY-BEAN OIL, GREASES AND TALLOW. THE E. RAUH AND SONS COMPANY, Dayton, Ohio.
Filed December 19, 1924. Serial No. 206,976. PUBLISHED MARCH 2, 1926.

213,906. SCALP AND HAIR SHAMPOO. GEORGIA GEORGE ROLOFF, San Francisco, Calif.
Filed December 30, 1924. Serial No. 207,475. PUBLISHED MARCH 2, 1926.

213,907. PERFUMES, TOILET WATERS, AND TOILET POWDERS. DOBBS & Co., New York, N. Y.
Filed January 9, 1925. Serial No. 207,857. PUBLISHED FEBRUARY 24, 1925.

213,908. PERFUMES. LIONEL TRADING CO. INC., New York, N. Y.
Filed July 11, 1925. Serial No. 217,225. PUBLISHED MARCH 9, 1926.

213,909. PERFUMES. MILTON CAHN & COMPANY, New York, N. Y.
Filed November 24, 1925. Serial No. 223,766. PUBLISHED MARCH 2, 1926.

213,910. HYDRAULIC EQUIPMENT PARTICULARLY PRESSES, PUMPS, VALVES, ACCUMULATORS AND INTENSIFIERS, ALL USED IN HYDRAULIC EQUIPMENT. THE HYDRAULIC PRESS MANUFACTURING COMPANY, Mount Gilead, Ohio.
Filed November 23, 1925. Serial No. 223,717. PUBLISHED MARCH 30, 1926.

213,911. INSECTICIDES. JOSEPH H. LARSON, doing business as Larson Insecticide Company, Detroit, Mich.
Filed November 10, 1925. Serial No. 223,098. PUBLISHED MARCH 16, 1926.

213,912. CERTAIN NAMED FOODS. DURAND-MCNEIL-HORNER Co., Chicago, Ill.
Filed February 5, 1924. Serial No. 191,820. PUBLISHED MARCH 23, 1926.

213,913. HAIR TONIC. FREDERICK C. HAYES, Newport, R. I.
Filed December 9, 1925. Serial No. 224,458. PUBLISHED MARCH 30, 1926.

213,914. MEAT PRODUCTS—VIZ, SALAMI AND SAUSAGE. WESTERN SAUSAGE & PROV. CO., INC., New York, N. Y.
Filed December 8, 1925. Serial No. 224,438. PUBLISHED MARCH 30, 1926.

213,915. MEDICINE IN THE NATURE OF AN ANTISEPTIC. LUIGI PEZZE, M. D., Jersey City, N. J.
Filed January 21, 1926. Serial No. 226,207. PUBLISHED MARCH 30, 1926.

213,916. LACQUERS, LACQUER ENAMELS, AND LACQUER THINNERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed January 22, 1926. Serial No. 226,233. PUBLISHED MARCH 23, 1926.

213,917. LACQUERS, LACQUER ENAMELS, AND LACQUER THINNERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed January 22, 1926. Serial No. 226,234. PUBLISHED MARCH 23, 1926.

213,918. LACQUERS, LACQUER ENAMELS, AND LACQUER THINNERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed January 22, 1926. Serial No. 226,235. PUBLISHED MARCH 23, 1926.

213,919. FROCKS. A. EISENBERG COMPANY, INC., Baltimore, Md.
Filed January 22, 1926. Serial No. 226,237. PUBLISHED MARCH 30, 1926.

213,920. MALT SIRUP FOR BEVERAGE PURPOSES. UNITY BEVERAGE COMPANY, Chicago, Ill.
Filed January 22, 1926. Serial No. 226,266. PUBLISHED MARCH 30, 1926.

213,921. COFFEE. WILSON COFFEE COMPANY, Fort Smith, Ark.
Filed January 23, 1926. Serial No. 226,320. PUBLISHED MARCH 30, 1926.

213,922. HEAT-RESISTING AND CORROSION-RESISTING AND OXIDATION-RESISTING ALLOYS, BOTH IN THE RAW OR INGOT FORM AND IN THE FORM OF ROUGH CASTINGS, PARTIALLY-FINISHED CASTINGS, AND FINISHED CASTINGS. AMERICAN MANGANESE STEEL COMPANY, Chicago Heights and Chicago, Ill., New York, N. Y., New Castle, Del., Los Angeles and Oakland, Calif., Denver, Colo., and St. Louis, Mo.
Filed January 25, 1926. Serial No. 226,327. PUBLISHED MARCH 30, 1926.

213,923. COFFEE. NASH COFFEE COMPANY, Minneapolis, Minn.
Filed January 25, 1926. Serial No. 226,363. PUBLISHED MARCH 30, 1926.

213,924. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING AND SWEEPING. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed January 25, 1926. Serial No. 226,403. PUBLISHED MARCH 30, 1926.

213,925. ANTISEPTIC NO. 1, ANTISEPTIC NO. 2, HONEY CHARCOAL GRITS, FOOT POWDER, PINE LINIMENT, AND GENERAL TONIC. WILLIAM F. KIPPEN, Spokane, Wash.
Filed January 26, 1926. Serial No. 226,430. PUBLISHED MARCH 30, 1926.

213,926. REFRIGERATING APPARATUS. THE LAMSON COMPANY, Eastwood, N. Y.
Filed January 26, 1926. Serial No. 226,432. PUBLISHED MARCH 30, 1926.

213,927. LACQUERS. VAN CAMP HARDWARE & IRON COMPANY, doing business as The Van Camp Company, Indianapolis, Ind.
Filed January 26, 1926. Serial No. 226,455. PUBLISHED MARCH 30, 1926.

213,928. BABY WALKERS. H. C. WHITE COMPANY, North Bennington, Vt.
Filed January 27, 1926. Serial No. 226,522. PUBLISHED MARCH 30, 1926.

213,929. PULL TOY CONSISTING OF A DOLL UPON A MINIATURE CHILD'S VEHICLE. H. C. WHITE COMPANY, North Bennington, Vt.
Filed January 27, 1926. Serial No. 226,523. PUBLISHED MARCH 30, 1926.

213,930. PERFUMES AND TOILET WATERS. SOCIETE ANONYME D'ONGE, Courbevoie, France.
Filed January 28, 1926. Serial No. 226,566. PUBLISHED MARCH 23, 1926.

213,931. GAME OF CHINESE DOMINO. SOCIETÉ MAUNOURY & CIE., Paris, France.
Filed January 28, 1926. Serial No. 226,567. PUBLISHED MARCH 30, 1926.

213,932. FISHING LINES. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass.
Filed January 28, 1926. Serial No. 226,577. PUBLISHED MARCH 30, 1926.

213,933. CANNED FRUITS AND CANNED VEGETABLES. SUTTER CO-OPERATIVE GROWERS, San Francisco, Calif.
Filed September 23, 1925. Serial No. 220,688. PUBLISHED MARCH 30, 1926.

213,934. PRESERVED CITRON, CANNED VEGETABLES, CANNED FISH, AND CANNED FRUIT. DOWNING TAYLOR COMPANY, Springfield, Mass.
Filed September 8, 1925. Serial No. 219,950. PUBLISHED MARCH 23, 1926.

213,935. POWDERS FOR NURSERY AND TOILET USE; OINTMENTS—NAMELY, PREPARATIONS FOR SUNBURN, BURNS, CUTS, SKIN AFFECTIONS, WOUNDS, ECZEMA, AND OTHER INFLAMMATORY SKIN CONDITIONS. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 30, 1925. Serial No. 218,106. PUBLISHED MARCH 30, 1926.

213,936. BITUMINOUS EMULSIONS FOR USE AS A BINDING MEDIUM IN ROAD MAKING, BRIQUETTING, AND SIMILAR MANUFACTURES. ASPHALT COLD MIX LIMITED, assignor to Asphalt Cold Mix (1925) Limited, London, England.
Filed June 25, 1925. Serial No. 216,377. PUBLISHED FEBRUARY 16, 1926.

213,937. CANE SUGAR. J. D. AND A. B. SPRECKELS SECURITIES COMPANY, doing business as Western Sugar Refinery, San Francisco, Calif.
Filed June 23, 1925. Serial No. 216,295. PUBLISHED MARCH 23, 1926.

213,938. FACE POWDERS, FACE CREAMS, VANISHING CREAMS, MASSAGE CREAMS, LEMON CREAMS, COCOA CREAMS, COLD CREAMS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, BRILLIANTINES, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. M. M. FLENON & SON, INC., Trenton, N. J.
Filed April 21, 1925. Serial No. 213,073. PUBLISHED MARCH 30, 1926.

213,939. COLLARS AND DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co. INC., Troy, N. Y.
Filed March 2, 1925. Serial No. 210,353. PUBLISHED JUNE 2, 1925.

213,940. BABY CHICKS. THE NEW WASHINGTON HATCHERY CO., New Washington, Ohio.
Filed December 4, 1924. Serial No. 206,255. PUBLISHED MARCH 30, 1926.

213,941. VARNISHES, STAINS, AND FINISHES. JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa.
Filed November 28, 1923. Serial No. 189,006. PUBLISHED SEPTEMBER 2, 1924.

213,942. CANNED FRUITS AND VEGETABLES. NORTHERN JOBBING CO., Chicago, Ill.
Filed October 10, 1925. Serial No. 221,561. PUBLISHED MARCH 30, 1926.

213,943. NOODLES. ZUCCA'S RESTAURANT, INC., New York, N. Y.
Filed October 10, 1925. Serial No. 221,580. PUBLISHED MARCH 23, 1926.

213,944. FRESH APPLES. C. M. HOLTZINGER FRUIT CO., Yakima, Wash.
Filed October 12, 1925. Serial No. 221,610. PUBLISHED MARCH 30, 1926.

213,945. PRIMERS, SURFACERS, OR PAINT UNDERCOATINGS, PAINT ENAMELS, PAINT SOLVENTS, VARNISHES, DRY, READY-MIXED AND PASTE PAINTS, STAINS, AND LACQUERS, WHICH MATERIALS CONSIST, MORE OR LESS, OF PYROXYLIN OR PAINT VEHICLE. STANDARD VARNISH WORKS, New York, N. Y.
Filed October 16, 1925. Serial No. 221,858. PUBLISHED MARCH 23, 1926.

213,946. SCALP AND HEAD PREPARATION. IGNAZIO LA ROSA, doing business as I-L & Son, Elmhurst, N. Y.
Filed October 27, 1925. Serial No. 222,383. PUBLISHED FEBRUARY 9, 1926.

213,947. PLAIN CREAM CANDIES. KIBBE BROTHERS COMPANY, Springfield, Mass.
Filed November 27, 1925. Serial No. 223,922. PUBLISHED MARCH 30, 1926.

213,948. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, SACHETS, TALCUM POWDERS, AND INCENSE. PARFUMERIE ST. DENIS, New York, N. Y.
Filed November 7, 1925. Serial No. 222,993. PUBLISHED MARCH 30, 1926.

213,949. MALT SIRUP FOR FOOD PURPOSES. BAY CITY MILLING COMPANY, Bay City, Mich.
Filed November 5, 1925. Serial No. 222,813. PUBLISHED JANUARY 19, 1926.

213,950. DARK-ROOM AND FLUOROSCOPIC CHEMICALS, RADIOACTIVE CLAY, GELOBARIN AND ELECTRODE COMPOUNDS. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed October 31, 1925. Serial No. 222,648. PUBLISHED MARCH 30, 1926.

213,951. CANNED FRUIT, CANNED VEGETABLES, AND DRIED FRUIT. HERBERT PACKING CO., INC., San Jose, Calif.
Filed October 31, 1925. Serial No. 222,613. PUBLISHED MARCH 30, 1926.

213,952. PAPER BAGS. ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass.
Filed October 30, 1925. Serial No. 222,546. PUBLISHED MARCH 30, 1926.

213,953. FOOD PRODUCT SIMILAR TO CHEESE, BUT CONTAINING ALL INGREDIENTS FOUND IN MILK, TO BE USED AS A SANDWICH SPREAD. PABST CORPORATION, Milwaukee, Wis.
Filed December 28, 1925. Serial No. 225,237. PUBLISHED MARCH 23, 1926.

213,954. CANNED OYSTERS AND CANNED VEGETABLES. SHELMORE OYSTER PRODUCTS COMPANY, doing business as The H. G. Leiding Co. as sole agents, Charleston, S. C.
Filed December 28, 1925. Serial No. 225,244. PUBLISHED MARCH 30, 1926.

213,955. CANNED OYSTERS AND CANNED VEGETABLES. SHELMORE OYSTER PRODUCTS COMPANY, doing business as The H. G. Leiding Co. as sole agents, Charleston, S. C.
Filed December 28, 1925. Serial No. 225,245. PUBLISHED MARCH 30, 1926.

213,956. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, WALL PAINTS, STAINS, LACQUERS, JAPANS, DRIERS AND DRY COLORS, FLAT WALL FINISHES. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed January 2, 1926. Serial No. 225,413. PUBLISHED MARCH 30, 1926.

213,957. PERFUMES. LUCKY STAR MFG. CO., Cincinnati, Ohio.
Filed January 2, 1926. Serial No. 225,433. PUBLISHED MARCH 30, 1926.

213,958. LINIMENT FOR RHEUMATISM, CRAMPS, PAINS, COLIC, ITCH, WART, GOITER, AND STOMACH TROUBLE. NATHANIEL WEBSTER DUDLEY, Cave Spring, Ga.
Filed January 4, 1926. Serial No. 225,470. PUBLISHED MARCH 30, 1926.

213,959. FRESH ORANGES, LEMONS, AND GRAPEFRUIT. NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION, Puente, Calif.
Filed December 24, 1925. Serial No. 225,133. PUBLISHED MARCH 30, 1926.

213,960. FRESH ORANGES, LEMONS, AND GRAPEFRUIT. NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION, Puente, Calif.
Filed December 24, 1925. Serial No. 225,134. PUBLISHED MARCH 30, 1926.

213,961. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, FRESH CANTALOUPES. KUNISHIMA BROTHERS CO., El Centro, Calif.
Filed December 26, 1925. Serial No. 225,195. PUBLISHED MARCH 30, 1926.

213,962. MEDICINES FOR THE TREATMENT OF CONSTIPATION, INDIGESTION, SOUR STOMACH, BOILS, PIMPLES, CARBUNCLES AND RHEUMATISM. TEX-A-TONE CHEMICAL COMPANY, Texarkana, Tex.
Filed December 21, 1925. Serial No. 224,996. PUBLISHED FEBRUARY 23, 1926.

213,963. ARTICLES OF WEARING APPAREL. PECKHAM-FOREMAN INC., New York, N. Y.
Filed December 19, 1925. Serial No. 224,927. PUBLISHED MARCH 30, 1926.

213,964. LIQUID HAIR STRAIGHTENER. ANTHONY R. GENOVESE, New Orleans, La.
Filed December 24, 1925. Serial No. 225,118. PUBLISHED MARCH 30, 1926.

213,965. COFFEE AND TEA. DAL-TEX COFFEE CO., Dallas, Tex.
Filed December 21, 1925. Serial No. 224,960. PUBLISHED MARCH 30, 1926.

213,966. FERTILIZERS. EDWARD G. THORNTON, Milford, Va.
Filed December 17, 1925. Serial No. 224,844. PUBLISHED MARCH 30, 1926.

213,967. CANDIES. POWELL'S, New York, N. Y.
Filed December 15, 1925. Serial No. 224,723. PUBLISHED MARCH 30, 1926.

213,968. EMPTY PAPER BOXES WITH FANCY COVERINGS. ERTEL BROTHERS COMPANY, Williamsport, Pa.
Filed December 15, 1925. Serial No. 224,698. PUBLISHED MARCH 30, 1926.

213,969. MEAT AND INGREDIENTS OF FOODS, MORE COMMONLY CALLED MEAT SAUSAGE LOAF. ARNOLD BROTHERS INC., Chicago, Ill.
Filed December 14, 1925. Serial No. 224,644. PUBLISHED MARCH 30, 1926.

213,970. INDIGESTION COMPOUND. VOLOSHEN CHEMICAL CORPORATION, Brooklyn, N. Y.
Filed December 7, 1925. Serial No. 224,368. PUBLISHED MARCH 30, 1926.

213,971. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CHOCOLATE PRODUCTS COMPANY, Chicago, Ill.
Filed January 30, 1926. Serial No. 226,633. PUBLISHED MARCH 30, 1926.

213,972. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS AND SIRUPS FOR MAKING THE SAME. ALADAR FONTO, doing business as Royal Mix Company, Chicago, Ill.
Filed January 30, 1926. Serial No. 226,644. PUBLISHED MARCH 30, 1926.

213,973. CANDY. NATIONAL CANDY COMPANY, St. Louis, Mo.
Filed January 30, 1926. Serial No. 226,670. PUBLISHED MARCH 30, 1926.

213,974. MEDICINE FOR USE IN TREATING RHEUMATISM, KIDNEY AND STOMACH AILMENTS; PAINFUL, STIFF, AND SWOLLEN JOINTS; BACKACHES, NERVE SHRINKING, INDIGESTION, CONSTIPATION, GASTRITIS, POOR APPETITE, TIREDNESS, AND HEADACHES. WAH K. CHANG, Chicago, Ill.
Filed February 1, 1926. Serial No. 226,712. PUBLISHED MARCH 30, 1926.

213,975. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHET. ISIDOR L. SOMMER, doing business as Lon Jouré Parfumeurs, Brooklyn, N. Y.
Filed February 1, 1926. Serial No. 226,744. PUBLISHED MARCH 30, 1926.

213,976. NECKTIE BOXES AND DISPLAY CARDS. H. P. ULICH & Co., New York, N. Y.
Filed February 5, 1926. Serial No. 226,926. PUBLISHED MARCH 30, 1926.

213,977. X-RAY TUBES, X-RAY EQUIPMENT, AND X-RAY OIL-IMMERSED APPARATUS. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed February 5, 1926. Serial No. 226,929. PUBLISHED MARCH 30, 1926.

213,978. ESSENTIAL OILS FOR THE PRODUCTION OF PERFUMES AND FLAVORING MATERIALS AND FOR INDUSTRIAL AND TECHNICAL USE. SOCIETE ANONYME DES ETABLISSEMENTS ANTOINE CHIRIS, COMPAGNIE DES PRODUITS AROMATIQUES, CHIMIQUES ET MEDICINAUX, Paris, France.
Filed February 10, 1926. Serial No. 227,142. PUBLISHED MARCH 30, 1926.

213,979. PREPARATION FOR USE IN THE TREATMENT OF THE SCALP AND TO PROMOTE THE GROWTH OF THE HAIR. WILLIAM MOORE, Kansas City, Mo.
Filed February 11, 1926. Serial No. 227,196. PUBLISHED MARCH 30, 1926.

213,980. ANTISEPTIC AND ANALGESIC DRY DRESSING. ABRAM R. WITT, doing business as Pulv-Ora Co., New York, N. Y.
Filed February 11, 1926. Serial No. 227,211. PUBLISHED MARCH 30, 1926.

213,981. PREPARATION FOR THE TREATMENT OF GAS ON THE STOMACH AND DYSPEPSIA RELIEF. GEORGE WASHINGTON STREET, doing business as Gar Specialty Co., Detroit, Mich.
Filed February 12, 1926. Serial No. 227,251. PUBLISHED MARCH 30, 1926.

213,982. SANITARY APRONS. SAMSTAG & HILDER BROS., INC., New York, N. Y.
Filed February 17, 1926. Serial No. 227,423. PUBLISHED MARCH 30, 1926.

213,983. DRIED FRUITS. GOLDENRIPE FRUITS INC., San Francisco, Calif.
Filed February 19, 1926. Serial No. 227,514. PUBLISHED MARCH 30, 1926.

213,984. MEN'S COATS AND SUITS. CHARLES W. WOLFE, New York, N. Y.
Filed February 20, 1926. Serial No. 227,618. PUBLISHED MARCH 30, 1926.

213,985. NONALCOHOLIC, NONCEREAL, MALTLESS DRINKS AND SIRUPS FOR MAKING THE SAME. THE MASSOLT BOTTLING CO., Minneapolis, Minn.
Filed January 11, 1926. Serial No. 225,792. PUBLISHED MARCH 30, 1926.

213,986. INSECTICIDE AND VERMIN EXTERMINATOR. PHILIP N. HYMAN, Minneapolis, Minn.
Filed January 4, 1926. Serial No. 225,475. PUBLISHED MARCH 30, 1926.

213,987. VARNISHES, PAINT ENAMELS, LACQUERS, STAINS, AND DRY, READY-MIXED, AND PASTE PAINTS. STANDARD VARNISH WORKS, New York, N. Y.
Filed January 6, 1926. Serial No. 225,580. PUBLISHED MARCH 23, 1926.

213,988. FRESH BEANS. SOUTHERN IDAHO BEAN GROWERS ASSOCIATION, Twin Falls, Idaho.
Filed January 7, 1926. Serial No. 225,621. PUBLISHED MARCH 30, 1926.

213,989. CYANIDES. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed February 9, 1926. Serial No. 227,053. PUBLISHED MARCH 30, 1926.

213,990. PEELING CREAM. HANLY PRODUCTS CO. INC., Chicago, Ill.
Filed January 27, 1926. Serial No. 226,484. PUBLISHED MARCH 30, 1926.

213,991. PERFUMES, TOILET WATERS, HAIR TONICS; POMADES—NAMELY, HAIRDRESSING AND LIP COLD CREAM; BATH SALTS, TALCUM, FACE POWDER, ROUGES, AND LIP STICKS. SOCIETE LA FRANCE TOILET GOODS CO., INC., New York, N. Y.
Filed January 26, 1926. Serial No. 226,447. PUBLISHED MARCH 30, 1926.

213,992. LIQUID SULPHUR DIOXIDE. VIRGINIA SMELTING COMPANY, Portland, Me.
Filed January 23, 1926. Serial No. 226,316. PUBLISHED MARCH 30, 1926.

213,993. LINIMENT FOR SPRAINS, BRUISES, STINGS, SWELLINGS, RHEUMATISM, NEURALGIA, LUMBAGO, SORE THROAT, CONTRACTED MUSCLES, PIMPLES, BLACKHEADS, AND SUPERFICIAL ERUPTIONS OF THE SKIN. JOHN M. HEIB, Seattle, Wash.
Filed December 16, 1925. Serial No. 224,758. PUBLISHED MARCH 30, 1926.

213,994. FACIAL CREAMS, COSMETIC LOTIONS, OINTMENTS, AND POLISHES. YVETTE CO., New York, N. Y.
Filed November 17, 1925. Serial No. 223,452. PUBLISHED MARCH 30, 1926.

213,995. YARNS AND SEWING THREADS. GREAT LAKES THREAD AND YARN CO., Detroit, Mich.
Filed October 26, 1925. Serial No. 222,322. PUBLISHED MARCH 30, 1926.

213,996. PREPARATION FOR REMOVING CARBON FROM CYLINDERS AND VALVES OF INTERNAL-COMBUSTION ENGINES. WILLIAM E. WHISTON, Buffalo, N. Y.
Filed August 10, 1925. Serial No. 218,677. PUBLISHED MARCH 30, 1926.

213,997. WRENCHES, EXCLUSIVE OF CHAIN WRENCHES. BENJAMIN O. WADE, doing business as The Wade Wrench Company, White Pigeon, Mich.
Filed June 1, 1925. Serial No. 215,191. PUBLISHED SEPTEMBER 15, 1925.

213,998. CHAIN WRENCHES, VISES, AND PIPE CUTTERS. DAVID MUSSEN BRIGHT, Winnipeg, Manitoba, Canada.
Filed May 13, 1925. Serial No. 214,234. PUBLISHED AUGUST 25, 1925.

213,999. CERTAIN TEXTILE PIECE GOODS. THE WESTERLY TEXTILE COMPANY, Westerly, R. I.
Filed August 19, 1924. Serial No. 201,634. PUBLISHED MARCH 30, 1926.

214,000. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, TALCUM POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, LIP STICKS, EYEBROW PENCILS, BATH SALTS, SMELLING SALTS, SACHETS, AND INCENSE. A. P. BABCOCK COMPANY, New York, N. Y.
Filed January 26, 1926. Serial No. 226,414. PUBLISHED MARCH 16, 1926.

214,001. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. S. S. PIERCE CO., Boston, Mass.
Filed January 26, 1926. Serial No. 226,440. PUBLISHED MARCH 30, 1926.

214,002. KNITTED CLOTH—NAMELY, COTTON FABRIC SOLD AS PIECE GOODS. THE ADLER UNDERWEAR & HOSIERY MFG. CO., Cincinnati, Ohio.
Filed January 30, 1926. Serial No. 226,617. PUBLISHED MARCH 30, 1926.

214,003. CERTAIN SUITINGS AND WOVEN CLOTH IN THE PIECE. JOHN W. HOUSE, Boston, Mass.
Filed January 23, 1926. Serial No. 226,288. PUBLISHED MARCH 30, 1926.

214,004. CHINA. GRAHAM & ZENGER, INC., New York, N. Y.
Filed May 11, 1925. Serial No. 214,153. PUBLISHED MARCH 30, 1926.

214,005. FRESH GRAPES AND FRESH PEACHES. LIBERTY PRODUCE COMPANY, Livingston and Cressey, Calif.
Filed June 24, 1925. Serial No. 216,347. PUBLISHED MARCH 30, 1926.

214,006. CANDY. FAIR PLAY CARAMELS, INC., Johnson City, N. Y.
Filed July 11, 1925. Serial No. 217,212. PUBLISHED MARCH 30, 1926.

214,007. BATH SALTS. PARFUMERIE ST. DENIS, New York, N. Y.
Filed July 16, 1925. Serial No. 217,480. PUBLISHED MARCH 9, 1926.

214,008. CHEWING GUM LAXATIVES. BLACKSTONE MANUFACTURING COMPANY, doing business as Tru Lax Manufacturing Co., Newark, N. J.
Filed September 12, 1925. Serial No. 220,174. PUBLISHED MARCH 2, 1926.

214,009. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed September 16, 1925. Serial No. 220,277. PUBLISHED MARCH 30, 1926.

214,010. PACKAGE CONTAINING COLD CREAM, COMPACT, FACE POWDER, DENTAL CREAM, SMELLING SALTS, TALC POWDER, TOILET WATER AND VANISHING CREAM. COLGATE & COMPANY, Jersey City, N. J.
Filed September 24, 1925. Serial No. 220,703. PUBLISHED JANUARY 19, 1926.

214,011. DENTAL APPLIANCES—VIZ, AN ARTICULATOR. JOSEPH HOMER, New York, N. Y.
Filed October 21, 1925. Serial No. 222,067. PUBLISHED MARCH 30, 1926.

214,012. LINEN GOODS IN THE PIECE AND LINEN GOODS NOT IN THE PIECE. FRANCIS ANDERSON, Portadown, Ireland., assignor to Tavanagh Weaving Company Limited, Portadown, Ireland.
Filed October 26, 1925. Serial No. 222,297. PUBLISHED MARCH 30, 1926.

214,013. DISINFECTANT AND STAIN-REMOVING COMPOUND. MARTIN SCHACHTER, doing business as The Crown Water Company, Bridgeport, Conn.
Filed October 29, 1925. Serial No. 222,523. PUBLISHED MARCH 23, 1926.

214,014. SUPPOSITORIES FOR THE PREVENTION AND ALLEVIATION OF DISEASES OF THE PELVIC ORGANS PECULIAR TO WOMEN, VENEREAL DISEASES, AND PILES. DR. PIERRE CHEMICAL CO., Chicago, Ill.
Filed November 5, 1925. Serial No. 222,876. PUBLISHED MARCH 16, 1926.

214,015. MEDICINES FOR THE TREATMENT OF INTESTINAL AILMENTS, AND STRENGTHENING PLASTERS. DR. A. NACHMANN CHEM. U. PHARM. PRAPARATE G. M. B. H., Berlin, Germany.
Filed November 12, 1925. Serial No. 223,185. PUBLISHED MARCH 9, 1926.

214,016. MATCHES. BELGA MATCH SOC. AN., Ninove, Belgium.
Filed November 18, 1925. Serial No. 223,455. PUBLISHED MARCH 30, 1926.

214,017. MATCHES. BELGA MATCH SOC. AN., Ninove, Belgium.
Filed November 18, 1925. Serial No. 223,456. PUBLISHED MARCH 30, 1926.

214,018. MATCHES. BELGA MATCH SOC. AN., Ninove, Belgium.
Filed November 18, 1925. Serial No. 223,457. PUBLISHED MARCH 30, 1926.

214,019. ESCALATORS, ENDLESS CARRIERS, INCLINED RAILWAYS, BLAST-FURNACE HOISTS, AMMUNITION HOISTS, AND GRAVITY SPIRAL CONVEYERS, AND PARTS THEREOF. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y.
Filed November 18, 1925. Serial No. 223,483. PUBLISHED MARCH 30, 1926.

214,020. ZIRCONIUM AND TITANIUM COMPOUNDS EMPLOYED AS PIGMENTS IN VITREOUS COATINGS AND ALSO AS REFRACTORIES, AND PARTICULARLY AS OPAQUING AGENTS IN THE MANUFACTURE OF ENAMELS AND GLAZES. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y.
Filed November 20, 1925. Serial No. 223,610. PUBLISHED MARCH 9, 1926.

214,021. LOTION FOR THE HAIR. BERNARD GUILPIN, doing business as Laboratoires Garnier, Blois, France.
Filed November 21, 1925. Serial No. 223,640. PUBLISHED MARCH 9, 1926.

214,022. DAY CREAMS, NIGHT CREAMS, AND CLEANSING CREAMS. THE GEORGE W. LUFT COMPANY, INC., New York and Long Island City, N. Y.
Filed November 25, 1925. Serial No. 223,852. PUBLISHED MARCH 16, 1926.

214,023. MATCHES. USINES ALLUMETTIÈRES DES FLANDRES SOCIÉTÉ ANONYME, Brussels, Belgium.
Filed December 3, 1925. Serial No. 224,215. PUBLISHED MARCH 30, 1926.

214,024. MEDICINE FOR REDUCING SUPERFLOUS FAT. A. JAMES KUMLER, doing business as General Brokers, Detroit, Mich.
Filed December 16, 1925. Serial No. 224,768. PUBLISHED MARCH 23, 1926.

214,025. PIECE GOODS OF WOOL, COTTON, AND SILK AND MIXTURES OF THE SAME. SOCIETE ANONYME RODIER, Paris, France.
Filed December 24, 1925. Serial No. 225,146. PUBLISHED MARCH 30, 1926.

214,026. MEDICINE FOR THE REMOVAL OF HARD AND SOFT CORNS, BUNIONS, AND CALLI. ANDREW C. STEPHENSON, doing business as Calo Remedy Company, Franklin, Ind.
Filed December 28, 1925. Serial No. 225,246. PUBLISHED MARCH 30, 1926.

214,027. FAÏENCE. GRUEBY FAIENCE AND TILE COMPANY, Boston, Mass., and Philadelphia, Pa.
Filed February 5, 1926. Serial No. 226,897. PUBLISHED MARCH 30, 1926.

214,028. FAÏENCE. GRUEBY FAIENCE AND TILE COMPANY, Boston, Mass., and Philadelphia, Pa.
Filed February 5, 1926. Serial No. 226,898. PUBLISHED MARCH 30, 1926.

214,029. CERTAIN PIECE FABRICS. MAX KAUFMANN & CO., INC., New York, N. Y.
Filed October 25, 1922. Serial No. 171,175. PUBLISHED OCTOBER 21, 1924.

214,030. CLOTHING—NAMELY, COATS, PANTS, VESTS, OVERCOATS, RAINCOATS, SWEATERS, HATS, CAPS, AND HABERDASHERY. THE BOND CLOTHING COMPANY, now by consolidation, Bond Stores, Incorporated, Cleveland, Ohio.
Filed April 21, 1924. Serial No. 195,858. PUBLISHED FEBRUARY 3, 1925.

214,031. PREPARATIONS FOR TREATING TEXTILE FASERS AND FABRICS DURING DYEING AND SIZING OPERATIONS. CHEMISCHE FABRIK POTT & CO., Dresden, Germany.
Filed May 2, 1924. Serial No. 196,434. PUBLISHED MARCH 16, 1926.

214,032. CANNED VEGETABLES—NAMELY, TOMATOES, BEANS, AND PEAS. TWIN PEAKS CANNING CO., Salt Lake City, Utah.
Filed October 6, 1924. Serial No. 203,493. PUBLISHED FEBRUARY 3, 1925.

214,033. CEMENTS—NAMELY, LIQUID RADIATOR CEMENTS. HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,247. PUBLISHED MARCH 16, 1926.

214,034. SUGARED POP CORN. RUDOLPH & BAUER, Louisville, Ky.
Filed November 28, 1924. Serial No. 205,954. PUBLISHED JUNE 2, 1925.

214,035. LOGGING TOOLS AND ELECTRICAL POLE-LINE CONSTRUCTION TOOLS. LEACH COMPANY, Oshkosh, Wis.
Filed December 10, 1924. Serial No. 206,531. PUBLISHED MARCH 30, 1926.

214,036. TOILET POWDERS, FACIAL CREAMS, SKIN TONICS, PERFUMES, HAND AND FACE LOTIONS, LIP AND SKIN COSMETICS, HAIR AND SCALP POMADES, AND ANTISEPTIC MOUTH WASH. DELILAH H. CHESTER, New York, N. Y.
Filed December 22, 1924. Serial No. 207,067. PUBLISHED MARCH 23, 1926.

214,037. ARTIFICIAL-SILK KNITTED FABRIC. NATHAN HALPERIN, doing business as Halperin Mills, Brooklyn, N. Y.
Filed January 27, 1925. Serial No. 208,704. PUBLISHED MARCH 30, 1926.

214,038. CIGARETTE HOLDERS AND CIGAR HOLDERS. SUPERIOR HARD RUBBER COMPANY INC., Butler, N. J.
Filed April 11, 1925. Serial No. 212,579. PUBLISHED MARCH 30, 1926.

214,039. CERTAIN NAMED MEDICINAL PREPARATIONS. FREDERICK ADOLPH STOCK, doing business as Stock's Nu-Tone Company, (not incorporated), Quincy, Ill.
Filed May 2, 1925. Serial No. 213,747. PUBLISHED SEPTEMBER 8, 1925.

214,040. CERTAIN NAMED DRUGS, CHEMICALS, ETC. AVRI DRUG & CHEMICAL COMPANY, Jersey City, N. J.
Filed December 30, 1925. Serial No. 225,296. PUBLISHED MARCH 23, 1926.

214,041. COTTON PIECE GOODS. BRAND & OPPENHEIMER, INCORPORATED, New York, N. Y.
Filed December 31, 1925. Serial No. 225,346. PUBLISHED MARCH 30, 1926.

214,042. IRRIGATION SPRINKLERS. ECONOMY IRRIGATION COMPANY LIMITED, Victoria, British Columbia, Canada, and Seattle, Wash.
Filed December 31, 1925. Serial No. 225,352. PUBLISHED MARCH 30, 1926.

214,043. SOLUBLE HOT-BATH PREPARATIONS FOR TREATING RHEUMATISM, ITCHES, SKIN DISEASES, OLD SORES, SORES, CUTS, INSECT BITES, AND INFLAMED OR IRRITATED PLACES. DAN W. STEWART, Jacksonville, Fla.
Filed January 11, 1926. Serial No. 225,815. PUBLISHED MARCH 30, 1926.

214,044. SOLVENTS FOR CELLULOSE ESTERS. H. A. METZ & CO., INC., New York, N. Y.
Filed January 12, 1926. Serial No. 225,833. PUBLISHED MARCH 16, 1926.

214,045. MEDICINE FOR USE IN THE TREATMENT OF CONSTIPATION. VAN PELT & BROWN, Richmond, Va.
Filed January 13, 1926. Serial No. 225,898. PUBLISHED MARCH 16, 1926.

214,046. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, EYEBROW PENCILS, LIP STICKS, LIP POMADES, AND SACHETS. MEYER KOMINSKY, doing business as Preston Co., New York, N. Y.
Filed January 20, 1926. Serial No. 226,151. PUBLISHED MARCH 16, 1926.

214,047. INSECTICIDE, DISINFECTANT, AND DEODORANT. MARTIN W. COOKEROW, doing business as Quaker Maid Products Company, Washington, D. C..
Filed January 22, 1926. Serial No. 226,232. PUBLISHED MARCH 16, 1926.

214,048. BOILER COMPOSITION TO PREVENT DELETERIOUS ACTION OF WATERS WHEN USED IN STEAM BOILERS. WILSON-SPEAR CO., Los Angeles, Calif.
Filed January 22, 1926. Serial No. 226,269. PUBLISHED MARCH 16, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

214,049. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FITZGIBBONS BOILER COMPANY, INC., New York, N. Y. Filed May 27, 1925. Serial No. 214,955.

COMPAC

Particular description of goods.—Steam and Hot-Water Boilers.
Claims use since May 2, 1925.

214,050. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER MAGGINI, doing business as Columbia Specialty Co., Newark, N. J. Filed Apr. 30, 1926. Serial No. 230,939.

AMARO SICILIANO

Particular description of goods.—Medicinal Bitters.
Claims use since Oct. 26, 1922.

214,051. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed June 22, 1925. Serial No. 216,200.

REVERE

Particular description of goods.—Leather.
Claims use since May 1, 1925.

214,052. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GRAHAM CHESTER MCKELLAR, London, Ontario, Canada. Filed Oct. 8, 1925. Serial No. 221,418.

Mack's Orange Drink

Particular description of goods.—Nonalcoholic, Maltless Orange Beverage Sold as a Soft Drink.
Claims use since on or about June 11, 1924.

214,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERTRUDE E. TAYLOR-MCCREARY, Detroit, Mich. Filed Feb. 1, 1926. Serial No. 226,728.

WILSON'S WORM CAPSULES

Particular description of goods.—Worm Capsules for Animals.
Claims use since early part of 1912.

214,054. (CLASS 45. BEVERAGES, NONALCOHOLIC.) O. F. CROCKETT, doing business as Old Fort Cider Works, Toledo, Ohio. Filed Feb. 18, 1926. Serial No. 227,444.

ALASKA

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Juices and Sirups for Making Same.
Claims use since Apr. 1, 1922.

214,055. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEWIS E. MYERS & COMPANY, Valparaiso, Ind. Filed Feb. 23, 1926. Serial No. 227,670.

Chautauqua

Particular description of goods.—Educational Desks.
Claims use since July 21, 1923.

214,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES GULDEN, INC., New York, N. Y. Filed Mar. 2, 1926. Serial No. 227,995.

SALADRESSING

Particular description of goods.—Prepared Mustard.
Claims use since Oct. 15, 1923.

214,057. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Mar. 18, 1926. Serial No. 228,811.

Elgin Unit Control

Particular description of goods.—Indicating Devices for Motor Boats and Aeroplanes—Namely, Air and Oil Supply, Amperage, Temperature, and R. P. M.'s.
Claims use since on or about July 1, 1924.

214,058. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Mar. 24, 1926. Serial No. 229,092.

Unit Control

Particular description of goods.—Indicating Devices for Motor Boats and Aeroplanes—Namely, Air and Oil Supply, Amperage, Temperature, and R. P. M.'s.
Claims use since on or about July 1, 1924.

214,059. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOFFMANN & BILLINGS MFG. CO., Milwaukee, Wis. Filed Mar. 29, 1926. Serial No. 229,335.

NIEDECKEN

Particular description of goods.—Mixing Valves, Shower Stalls, and Showers.
Claims use since about Jan. 1, 1911.

214,060. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SMALLWOOD STONE COMPANY, Steubenville, Ohio. Filed May 25, 1925. Serial No. 214,895.

THE SMALLWOOD STONE CO
OPEKISKA
STEUBENVILLE OHIO. U.S.A.

Particular description of goods.—Grinding Stones, Particularly Those Commonly Known as Pulp Stones Used for Grinding Wood Pulp.
Claims use since Apr. 16, 1925.

214,061. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) THE IRVIN, JEWELL & VINSON CO., Dayton, Ohio. Filed June 26, 1924. Serial No. 199,167.

Particular description of goods.—Varnishes.
Claims use since June 16, 1924.

214,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Sept. 28, 1923. Serial No. 186,339.

LE BEAU NARCISSE

CLAIRE

Particular description of goods.—Perfume and Toilet Waters.
Claims use since Sept. 26, 1923.

214,063. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COX CORPORATION, Wilkes-Barre, Pa. Filed June 15, 1925. Serial No. 215,774.

FENDERETTE

Particular description of goods.—Automobile Bumpers.
Claims use since Apr. 1, 1925.

214,064. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HEDWIG SALES CORP., New York, N. Y. Filed Nov. 1, 1924. Serial No. 204,709.

Particular description of goods.—Automobile Rims and Locks Therefor.
Claims use since May, 1923.

214,065. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed Mar. 4, 1926. Serial No. 228,121.

CANOVA

Particular description of goods.—Coffee, Salad Dressing, Thousand Island Dressing, Worcestershire Sauce, Mayonnaise Dressing, Prepared Mustard, and a Spread Composed of Mayonnaise, Pickles, Pimientos, and a Small Percentage of Meat and Used for Making Sandwiches.
Claims use since Jan. 1, 1925.

214,066. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BERT O. GODFREY, doing business as Godfrey Propeller Works, Seattle, Wash. Filed Mar. 8, 1926. Serial No. 228,312.

GODFREY

Particular description of goods.—Propeller Wheels.
Claims use since prior to March, 1925.

214,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WHOLESALE CORPORATION (Baltimore Bargain House), Baltimore, Md. Filed June 9, 1925. Serial No. 215,499.

GREAT CLOTH

No claim being made to the word "Cloth" apart from the mark shown.
Particular description of goods.—Cotton Cloth in the Bolt.
Claims use since Apr. 20, 1925.

214,068. (CLASS 17. TOBACCO PRODUCTS.) ALFRED ORLIK, New York, N. Y. Filed June 1, 1925. Serial No. 215,171.

Orlik

Particular description of goods.—Smoking Tobacco.
Claims use since Apr. 22, 1925.

214,069. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926. Serial No. 227,796.

Windsor

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Mar. 28, 1924.

214,070. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926. Serial No. 227,797.

Holbrook

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Mar. 28, 1924.

214,071. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Apr. 2, 1926. Serial No. 229,539.

"Quick Maid"

Particular description of goods.—Women's and Misses' Dresses.
Claims use since Nov. 1, 1924.

TRADE-MARK REGISTRATIONS RENEWED

46,903. BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered October 17, 1905. JOHN L. SALTER. Renewed October 17, 1925, to John L. Salter & Sons, New York, N. Y., successor.

47,028. BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered October 17, 1905. JOHN L. SALTER. Renewed October 17, 1925, to John L. Salter & Sons, New York, N. Y., successor.

47,337. BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered October 31, 1905. JOHN L. SALTER. Renewed October 31, 1925, to John L. Salter & Sons, New York, N. Y., successor.

47,955. A PREPARATION FOR DISEASES OF THE MUCOUS MEMBRANE AND SKIN. Registered November 28, 1905. MARVELINE COMPANY, Leavenworth, Kans. Renewed November 28, 1925, to Marveline Company, Kansas City, Mo.

49,656. RUSKS. Registered February 13, 1906. HOLLAND RUSK CO. Renewed February 13, 1926, to The Holland Rusk Company, Inc., Holland, Mich., a Corporation of Michigan, successor.

50,145. OVERALLS. Registered March 6, 1906. H. W. CARTER & SONS, Lebanon, N. H. Renewed March 6, 1926.

50,346. AUTOGRAPHIC REGISTERS. Registered March 13, 1906. THE CARTER-CRUME CO. LIMITED, Niagara Falls, N. Y. Renewed March 13, 1926, to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y., a Corporation of Ontario, Canada, assignee.

50,583. DUPLICATE-SALES-SLIP BOOKS AND PAPER PADS THEREFOR. Registered March 27, 1906. CARTER-CRUME CO. LIMITED, Niagara Falls, N. Y. Renewed March 27, 1926, to American Sales Book Company, Limited, Niagara Falls and Elmira, N. Y., and Toronto, Canada, a Corporation of Ontario, Canada, assignee.

50,715. DYSPEPSIA CAKES. Registered March 27, 1906. HARALD A. C. DAHL. Renewed March 27, 1926, to George W. Dahl, doing business as H. A. C. Dahl & Son, Brooklyn, N. Y., assignee.

50,798. MEDICINES FOR PURIFYING THE BLOOD. Registered March 27, 1906. THE M. I. S. T. Co., Toledo, Ohio, a Corporation of Ohio. Renewed March 27, 1926.

50,799. MEDICINES FOR PURIFYING THE BLOOD. Registered March 27, 1906. THE M. I. S. T. Co., Toledo, Ohio, a Corporation of Ohio. Renewed March 27, 1926.

50,889. ILLUMINATING OILS. Registered April 3, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,049. ILLUMINATING OILS. Registered April 3, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,116. FLAVORING EXTRACTS AND PREPARATIONS. Registered April 3, 1906. BAKER EXTRACT COMPANY, Portland, Me., and Springfield, Mass. Renewed April 3, 1926, to Baker Extract Company, Springfield, Mass., a Corporation of Massachusetts, successor.

51,149. BOOTS, SHOES, AND SLIPPERS OF LEATHER OR TEXTILE MATERIAL, OR BOTH, AND SOLES THEREFOR. Registered April 3, 1906. NATH'L FISHER & Co., New York, N. Y., a Corporation of New York. Renewed April 3, 1926.

51,209. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,210. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,229. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,230. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,343. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,345. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,346. TIN AND TERNE PLATES. Registered April 10, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 10, 1926.

51,360. COTTON PIECE GOODS. Registered April 10, 1906. TREMONT & SUFFOLK MILLS, Lowell, Mass., a Corporation of Massachusetts. Renewed April 10, 1926.

51,503. ANTISEPTICS AND GERMICIDES. Registered April 17, 1906. MARION WILLIS SAVAGE. Renewed April 17, 1926, to International Stock Food Company, Minneapolis, Minn., a Corporation of Maine, successor.

51,512. READY-MIXED PAINTS. Registered April 17, 1906. WILLIAMS, MARTIN & GRAY, INC., Norfolk, Va., a Corporation of Virginia. Renewed April 17, 1926.

51,531. SEWING MACHINES. Registered April 17, 1906. ALBERT G. MASON. Renewed April 17, 1926, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware, successor.

51,537. WAISTS, DRESSES, AND SUITS. Registered April 17, 1906. ROSENBAUM COMPANY. Renewed April 17, 1926, to The Rosenbaum Company, Pittsburgh, Pa., a Corporation of Pennsylvania, successor.

51,557. NEEDLES FOR HAND AND MACHINE SEWING. Registered April 17, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England, a Corporation of Great Britain. Renewed April 17, 1926.

51,594. SHIRTS, COLLARS, AND CUFFS. Registered April 17, 1906. NEW COLUMBIA SHIRT CO. Renewed April 17, 1926, to Columbia Shirt Co., New York, N. Y., assignee by mesne assignments.

51,621. TAPESTRY BRUSSELS AND TAPESTRY VELVET CARPETS. Registered April 17, 1906. ROXBURY CARPET COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed April 17, 1926.

51,639. TIN AND TERNE PLATES. Registered April 17, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 17, 1926.

51,640. TIN AND TERNE PLATES. Registered April 17, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 17, 1926.

51,641. TIN AND TERNE PLATES. Registered April 17, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 17, 1926.

51,642. TIN AND TERNE PLATES. Registered April 17, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed April 17, 1926.

51,684. COTTON PIECE GOODS. Registered April 24, 1906. MASSACHUSETTS COTTON MILLS, Lowell, and Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,704. STOCK FOOD. Registered April 24, 1906. MARION W. SAVAGE. Renewed April 24, 1926, to International Stock Food Company, Minneapolis, Minn., a Corporation of Maine, successor.

51,770. SHIRTS, COLLARS, AND CUFFS. Registered April 24, 1906. NEW COLUMBIA SHIRT CO. Renewed April 24, 1926, to Columbia Shirt Co., New York, N. Y., assignee by mesne assignments.

51,867. COTTON PIECE GOODS. Registered April 24, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed April 24, 1926.

51,905. MILK CANS. Registered April 24, 1906. OAKES & BURGER, Cattaraugus, N. Y. Renewed April 24, 1926, to Oakes & Burger Co., Cattaraugus, N. Y., and Erie, Pa., a Corporation of New York, successor.

51,994. COTTON PIECE GOODS. Registered May 1, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 1, 1926.

52,076. SEWING MACHINES. Registered May 1, 1906. ALBERT G. MASON. Renewed May 1, 1926, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware, successor.

52,082. BONE FOR CASEHARDENING, COLORING, AND ANNEALING. Registered May 1, 1906. THE ROGERS & HUBBARD CO., Middletown, Conn. Renewed May 1, 1926, to The Rogers & Hubbard Co., Portland, Conn., a Corporation of Connecticut.

52,154. COTTON PIECE GOODS. Registered May 1, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 1, 1926.

52,164. WHEAT FLOUR. Registered May 1, 1906. WATERLOO MILLING COMPANY. Renewed May 1, 1926, to George W. Ziebold, doing business as Waterloo Milling Company, Waterloo, Ill., successor.

52,206. BISCUITS KNOWN AS RUSKS. Registered May 1, 1906. HOLLAND RUSK CO. Renewed May 1, 1926, to The Holland Rusk Company, Inc., Holland, Mich., a Corporation of Michigan, successor.

52,271. COTTON PIECE GOODS. Registered May 8, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 8, 1926.

52,272. COTTON PIECE GOODS. Registered May 8, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 8, 1926.

52,346. NEEDLES OF ALL KINDS. Registered May 8, 1906. THÜRINGISCHE NADEL & STAHLWAAREN FABRIK WOLFF, KNIPPENBERG & CO., Actien Gesellschaft. Renewed May 8, 1926, to Thuringische Nadel & Stahlwaaren Fabrik Wolff, Knippenberg & Co., Gesellschaft mit beschränkter Haftung, Ichtershausen, Germany, a Corporation of Germany, successor.

52,516. COTTON PIECE GOODS. Registered May 8, 1906. EVERETT MILLS, Lawrence and Boston, Mass., a Corporation of Massachusetts. Renewed May 8, 1926.

52,578. DENIMS. Registered May 15, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 15, 1926.

52,579. BLUE DENIMS. Registered May 15, 1906. MASSACHUSETTS COTTON MILLS, Lowell and Boston, Mass., a Corporation of Massachusetts. Renewed May 15, 1926.

52,617. ILLUMINATING OILS. Registered May 15, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,747. MEDICINES IN PILL FORM. Registered May 15, 1906. WILLIAM R. WARNER & CO., Philadelphia, Pa. Renewed May 15, 1926, to William R. Warner & Co., Inc., New York, N. Y., a Corporation of Delaware, assignee.

52,784. A REMEDY FOR THE CURE OF ST. VITUS' DANCE OR CHOREA. Registered May 15, 1906. Susanna W. Mackrell, Asbury Park, N. J. Renewed May 15, 1926, to Estelle Wright Cammann, New York, N. Y., assignee.

52,809. CULINARY UTENSILS MADE OF COPPERWARE. Registered May 15, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed May 15, 1926.

52,840. STERLING-SILVER JEWELRY FOR PERSONAL ADORNMENT. Registered May 22, 1906. THEODORE W. FOSTER & BRO. CO., Providence, R. I., a Corporation of Maine. Renewed May 22, 1926.

52,871. FEED-WATER HEATERS. Registered May 22, 1906. THE NATIONAL PIPE BENDING COMPANY, New Haven, Conn., a Corporation of Connecticut. Renewed May 22, 1926.

52,914. CULINARY UTENSILS MADE OF GALVANIZED WARE. Registered May 22, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed May 22, 1926.

52,960. COTTON PIECE GOODS. Registered May 22, 1906. EVERETT MILLS, Lawrence and Boston, Mass., a Corporation of Massachusetts. Renewed May 22, 1926.

53,015. TURPENTINE. Registered May 22, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed May 22, 1926.

53,150. CULINARY UTENSILS MADE OF TINWARE. Registered May 29, 1906. REED MANUFACTURING CO., Newark, N. Y., a Corporation of New York. Renewed May 29, 1926.

53,333. CIDER. Registered May 29, 1906. BARRETT & BARRETT, St. Paul, Minn., a Corporation of Minnesota. Renewed May 29, 1926.

53,388. HOUSEHOLD ARTICLES MADE OF ENAMELED STEEL WARE. Registered June 5, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,404. COOKING UTENSILS MADE OF TINWARE. Registered June 5, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,445. ILLUMINATING OILS MANUFACTURED FROM PETROLEUM. Registered June 5, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed June 5, 1926.

53,584. BABBITT METAL. Registered June 5, 1906. PEERLESS SMELTING & REFINING CO. Renewed June 5, 1926, to L. Goldstein's Sons, Philadelphia, Pa., assignee.

53,756. CULINARY ARTICLES MADE OF TINWARE. Registered June 12, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed June 12, 1926.

53,786. HOUSEHOLD ARTICLES MADE OF COPPER WARE. Registered June 12, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed June 12, 1926.

53,787. DUPLICATING INK. Registered June 12, 1906. NEOSTYLE COMPANY, New York, N. Y. Renewed June 12, 1926, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois, assignee.

53,809. HOUSEHOLD ARTICLES MADE OF GALVANIZED WARE. Registered June 12, 1906. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y., a Corporation of New York. Renewed June 12, 1926.

53,898. UMBRELLA FRAMES. Registered June 12, 1906. SAMUEL FOX AND COMPANY, LIMITED, Stocksbridge Works, near Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,899. UMBRELLA FRAMES. Registered June 12, 1906. SAMUEL FOX AND COMPANY, LIMITED, Stocksbridge Works, near Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,900. UMBRELLA FRAMES. Registered June 12, 1906. SAMUEL FOX AND COMPANY, LIMITED, Stocksbridge Works, near Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,901. UMBRELLA FRAMES OF METAL. Registered June 12, 1906. SAMUEL FOX AND COMPANY, LIMITED, Stocksbridge Works, near Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

53,902. UMBRELLA FRAMES OF METAL. Registered June 12, 1906. SAMUEL FOX AND COMPANY, LIMITED, Stocksbridge Works, near Sheffield, England, a Corporation of Great Britain. Renewed June 12, 1926.

54,025. ILLUMINATING OILS. Registered June 19, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed June 19, 1926.

54,108. CERTAIN NAMED CHEMICAL PREPARATION. Registered June 19, 1906. CHARLES L. HOWE, Boston, Mass. Renewed June 19, 1926, to Charles Lee Howe, Hyannis, Mass.

54,124. AN ANTISEPTIC NONFATTY AND SOLUBLE LUBRICATING JELLY. Registered June 19, 1906. VAN HORN & SAWTELL, New York, N. Y. Renewed June 19, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

54,147. CANNED CORN AND CANNED SUCCOTASH. Registered June 19, 1906. SACO VALLEY CANNING CO., Portland, Me., a Corporation of Maine. Renewed June 19, 1926.

54,185. LEATHER WELTED BOOTS AND SHOES. Registered June 19, 1906. UNITED SHOE MACHINERY COMPANY, Boston, Mass. Renewed June 19, 1926, to United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass., a Corporation of New Jersey, assignee.

54,258. LAWN MOWERS. Registered June 26, 1906. THE WHITMAN & BARNES MANUFACTURING CO., Akron, Ohio, a Corporation of Ohio. Renewed June 26, 1926.

54,288. STENCIL DUPLICATING MACHINES AND PARTS THEREOF. Registered June 26, 1906. NEOSTYLE COMPANY, New York, N. Y. Renewed June 26, 1926, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois, assignee.

54,420. FRESCO PAINTS. Registered June 26, 1906. TOCH BROTHERS. Renewed June 26, 1926, to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York, assignee.

54,533. TURPENTINE. Registered June 26, 1906. STANDARD OIL CO. OF NEW YORK, New York, N. Y., a Corporation of New York. Renewed June 26, 1926.

54,560. BLEACHED, GRAY, PRINTED, AND FANCY DAMASKS. Registered June 26, 1906. NEUSS HESSLEIN & CO. Renewed June 26, 1926, to Neuss, Hesslein & Co., Inc., New York, N. Y., a Corporation of New York, assignee.

54,694. MEN'S, WOMEN'S, AND CHILDREN'S HATS. Registered June 26, 1906. YOUMANS. Renewed June 26, 1926, to Vincent M. Youmans, jr., New York, N. Y., assignee.

54,695. MEN'S, WOMEN'S, AND CHILDREN'S HATS. Registered June 26, 1906. YOUMANS. Renewed June 26, 1926, to Vincent M. Youmans, jr., New York, N. Y., assignee.

54,769. SHOE POLISH. Registered July 31, 1906. AMERICAN CHEMICAL MANUFACTURING & MINING COMPANY. Renewed July 31, 1926, to Shinola Company, Rochester, N. Y., a Corporation of New York, assignee.

54,799. DAMP RESISTING PAINTS. Registered July 31, 1906. TOCH BROTHERS. Renewed July 31, 1926, to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York, assignee.

54,808. NURSING-BOTTLE NIPPLES. Registered July 31, 1906. DAVIDSON RUBBER COMPANY, Charlestown, Boston, Mass., a Corporation of Massachusetts. Renewed July 31, 1926.

54,835. WATCH MOVEMENTS AND WATCHCASES. Registered July 31, 1906. LOUIS MANHEIMER & BROS., Chicago, Ill. Renewed July 31, 1926, to Louis Manheimer & Bros., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

54,928. TIRE BOLTS AND RIVETS. Registered August 7, 1906. AMERICAN SCREW COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed August 7, 1926.

54,983. TONIC REMEDY FOR CERTAIN NAMED DISEASES. Registered August 7, 1906. ALBERT B. RICHARDS. Renewed August 7, 1926, to A. B. Richards Medicine Co., Inc., Sherman, Tex., a Corporation of Texas, assignee.

55,158. SHOTGUNS, RIFLES, REVOLVERS, AND PARTS THEREOF. Registered August 7, 1906. THE MARLIN FIREARMS COMPANY, New Haven, Conn., a Corporation of Connecticut. Renewed August 7, 1926.

55,264. WHEAT FLOUR. Registered August 14, 1906. FARWELL & RHINES, Watertown, N. Y., a Corporation of New York. Renewed August 14, 1926.

55,287. WHISKY. Registered August 14, 1906. FRIEDMAN, KEILER & CO. Renewed August 14, 1926, to Leo F. Keiler, Paducah, Ky., successor.

55,288. WHISKY. Registered August 14, 1906. FRIEDMAN, KEILER & CO. Renewed August 14, 1926, to Leo F. Keiler, Paducah, Ky., successor.

55,299. RAZORS AND POCKETKNIVES. Registered August 14, 1906. ALBERT L. SILBERSTEIN, doing business as Griffon Cutlery Works, New York, N. Y. Renewed August 14, 1926.

55,444. A MAGAZINE OR PERIODICAL. Registered August 14, 1906. THE W. F. T. BUSHNELL COMPANY. Renewed August 14, 1926, to The Bushnell Company, Aberdeen, S. Dak., a Corporation of South Dakota, assignee.

55,450. TIN AND TERNE PLATES. Registered August 14, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,451. TIN AND TERNE PLATES. Registered August 14, 1906. FOLLANSBEE BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,483. BOILERS FOR STEAM AND WATER HEATING SYSTEMS. Registered August 14, 1906. KEWANEE BOILER CO., Kewanee, Ill., a Corporation of Illinois. Renewed August 14, 1926.

55,500. ADHESIVE PLASTERS. Registered August 14, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed August 14, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

55,501. MEDICINAL PLASTERS. Registered August 14, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed August 14, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

55,539. MEDICINAL AND ADHESIVE PLASTERS. Registered August 14, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed August 14, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

55,563. ISINGLASS OF A GELATINOUS NATURE. Registered August 14, 1906. HOWE & FRENCH ISINGLASS COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed August 14, 1926.

55,564. ISINGLASS OF A GELATINOUS NATURE. Registered August 14, 1906. HOWE & FRENCH ISINGLASS COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed August 14, 1926.

55,565. MEDICINAL AND ADHESIVE PLASTERS. Registered August 14, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed August 14, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

55,620. A REMEDY FOR SKIN DISEASES AND ERUPTIONS. Registered August 21, 1906. ALBERT B. RICHARDS. Renewed August 21, 1926, to A. B. Richards Medicine Co., Inc., Sherman, Tex., a Corporation of Texas, assignee.

55,626. WHEAT FLOUR. Registered August 21, 1906. TENNANT & HOYT. Renewed August 21, 1926, to Tennant & Hoyt Company, Lake City, Minn., a Corporation of Minnesota, successor.

55,636. MEDICAL COMPOUNDS FOR TREATING DISEASES OF THE SCALP. Registered August 21, 1906. HEADSTREAM & DE FLON. Renewed August 21, 1926, to De Flon & Company, Mauston, Wis., a Partnership, successor.

55,663. WINE. Registered August 21, 1906. CALIFORNIA WINE ASSOCIATION, San Francisco, Calif., a Corporation of California. Renewed August 21, 1926.

55,713. LINIMENT. Registered August 21, 1906. ALBERT B. RICHARDS. Renewed August 21, 1926, to A. B. Richards Medicine Co., Inc., Sherman, Tex., a Corporation of Texas, assignee.

55,846. SOAP. Registered August 21, 1906. COLGATE & Co., New York, N. Y. Renewed August 21, 1926, to Colgate & Company, Jersey City, N. J., a Corporation of New Jersey, assignee.

55,858. BEER. Registered August 21, 1906. PABST BREWING COMPANY. Renewed August 21, 1926, to Pabst Corporation, Milwaukee, Wis., a Corporation of Wisconsin, assignee.

55,859. HOSE SUPPORTERS. Registered August 21, 1906. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 21, 1926.

55,886. SOAPS AND SOAP POWDERS. Registered August 21, 1906. COLGATE & Co., New York, N. Y. Renewed August 21, 1926, to Colgate & Company, Jersey City, N. J., a Corporation of New Jersey, assignee.

56,003. AUTOMATIC PIANO PLAYERS. Registered August 21, 1906. THE AUTOPIANO COMPANY, New York, N. Y., a Corporation of New York. Renewed August 21, 1926.

56,060. A LOTION. Registered August 21, 1906. S. R. VAN DUZER, New York, N. Y. Renewed August 21, 1926.

56,072. COTTON YARNS. Registered August 21, 1906. MCCONNEL & Co., LIMITED, Manchester, England, a Corporation of Great Britain. Renewed August 21, 1926.

56,104. ANCHORS. Registered August 21, 1906. THE THOMAS LAUGHLIN COMPANY, Portland, Me., a Corporation of Maine. Renewed August 21, 1926.

56,203. CHEWING AND SMOKING TOBACCO. Registered September 4, 1906. THE BLOCH BROTHERS TOBACCO COMPANY, Wheeling, W. Va., a Corporation of West Virginia. Renewed September 4, 1926.

56,213. MEDICINAL AND ADHESIVE PLASTERS. Registered September 4, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed September 4, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

56,223. POLISHING BRUSHES AND DAUBERS FOR SHOE POLISH. Registered September 4, 1906. AMERICAN CHEMICAL MANUFACTURING & MINING COMPANY. Renewed September 4, 1926, to Shinola Company, Rochester, N. Y., a Corporation of New York, assignee.

56,249. CONDENSED MILK. Registered September 4, 1906. MICHIGAN CONDENSE MILK CO., Lansing, Mich., and New York, N. Y. Renewed September 4, 1926, to The Borden Company, New York, N. Y., a Corporation of New Jersey, assignee.

56,280. SHOTGUNS, RIFLES, AND PISTOLS. Registered September 4, 1906. THE MARLIN FIREARMS COMPANY, New Haven, Conn., a Corporation of Connecticut. Renewed September 4, 1926.

56,330. CERTAIN NAMED YARN. Registered September 11, 1906. WHITTIER MILLS. Renewed September 11, 1926, to Whittier Mills Company, Chattahoochee, Ga., a Corporation of Georgia, assignee.

56,427. MIXED PAINTS, VARNISHES, ENAMELS, BLACKS, ROUGH-STUFFS, AND PIGMENTS USED FOR PAINTS. Registered September 25, 1906. VALENTINE & COMPANY, New York, N. Y., a Corporation of New York. Renewed September 25, 1926.

56,516. SMOKED MEATS. Registered October 2, 1906. F. A. FERRIS & COMPANY. Renewed October 2, 1926, to F. A. Ferris & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

56,520. ALMOND-MEAL COMPOUND FOR THE TOILET. Registered October 2, 1906. HOLTON & ADAMS. Renewed October 2, 1926, to Holton & Adams, Inc., New York, N. Y., a Corporation of New York, assignee.

56,545. REMEDIES FOR FEVER, IN PILL FORM. Registered October 2, 1906. WILLIAM H. WOOD, Cairo, Ill. Renewed October 2, 1926.

56,546. A PREVENTIVE AND CURE OF DISEASES OF DOMESTIC ANIMALS. Registered October 2, 1906. HELON G. HARTER & Co. Renewed October 2, 1926, to The H. G. Harter & Company, Toledo, Ohio, a Corporation of Ohio, assignee.

56,549. REMEDIES FOR DISEASES OF THE DIGESTIVE ORGANS. Registered October 2, 1906. THE S. GROVER GRAHAM COMPANY, Newburgh, N. Y., a Corporation of New York. Renewed October 2, 1926.

56,559. INSULATED WIRE AND CABLES AND INSULATING TAPE. Registered October 9, 1906. THE INDIANA RUBBER & INSULATED WIRE CO., Jonesboro, Ind., a Corporation of Indiana. Renewed October 9, 1926.

56,563. MACHINE BEARINGS. Registered October 9, 1906. NORMAN MELLOR, doing business as Arguto Oilless Bearing Company, Philadelphia, Pa. Renewed October 9, 1926.

56,571. PLAYING CARDS. Registered October 9, 1906. HOME GAME COMPANY. Renewed October 9, 1926, to Standard Playing Card Co., Chicago, Ill., a Corporation of New Jersey, successor.

56,586. HAM AND BACON. Registered October 9, 1906. F. A. FERRIS & COMPANY. Renewed October 9, 1926, to F. A. Ferris & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

56,588. BRANDY. Registered October 9, 1906. JAS. HENNESSY & Co., Cognac, France. Renewed October 9, 1926.

56,589. BRANDY. Registered October 9, 1906. JAS. HENNESSY & Co., Cognac, France. Renewed October 9, 1926.

56,597. HORSE BLANKETS. Registered October 9, 1906. WILLIAM AYRES & SONS. Renewed October 9, 1926, to William Ayres & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

56,605. HORSE NAILS. Registered October 9, 1906. THE CAPEWELL HORSE NAIL COMPANY, Hartford, Conn., a Corporation of Connecticut. Renewed October 9, 1926.

56,616. TIN PLATE. Registered October 9, 1906. THE MANOGUE-PIDGEON IRON COMPANY. Renewed October 9, 1926, to Pidgeon-Thomas Iron Co., Memphis, Tenn., a Corporation of Tennessee, successor.

56,622. ROPES, YARNS, TWINES, AND CORDS. Registered October 9, 1906. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a Corporation of Massachusetts. Renewed October 9, 1926.

56,636. LOCKS, PADLOCKS, AND KEYS. Registered October 9, 1906. MILLER LOCK COMPANY, Frankford, Philadelphia, Pa. Renewed October 9, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

56,649. A CROUP REMEDY. Registered October 16, 1906. PECKHAM'S CROUP REMEDY Co., Freeport, Mich. Renewed October 16, 1926, to Peckham Remedy Company, Hastings, Mich., assignee.

56,682. BACON. Registered October 16, 1906. F. A. FERRIS & COMPANY. Renewed October 16, 1926, to F. A. Ferris & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

56,715. CERTAIN NAMED MEATS. Registered October 16, 1906. E. GODEL & SONS, Peoria, Ill., a Corporation of Illinois. Renewed October 16, 1926.

56,717. SMOKED AND PICKLED MEATS. Registered October 16, 1906. F. A. FERRIS & COMPANY. Renewed October 16, 1926, to F. A. Ferris & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

56,728. WELL-DRILLING MACHINES. Registered October 16, 1906. GEORGE D. LOOMIS. Renewed October 16, 1926, to The Loomis Machine Co., Tiffin, Ohio, a Corporation of Ohio, successor.

56,737. CERTAIN NAMED GOODS USED IN ATHLETIC GAMES AND SPORTS. Registered October 16, 1906. A. G. SPALDING & BROS., New York, N. Y. Renewed October 16, 1926, to A. G. Spalding & Bros., Jersey City, N. J., a Corporation of New Jersey.

56,738. CERTAIN NAMED GOODS USED IN ATHLETIC GAMES AND SPORTS. Registered October 16, 1906. A. G. SPALDING & BROS., New York, N. Y. Renewed October 16, 1926, to A. G. Spalding & Bros., Jersey City, N. J., a Corporation of New Jersey.

56,752. RUBBER TIRES. Registered October 16, 1906. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed October 16, 1926.

56,753. RUBBER TIRES. Registered October 16, 1906. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed October 16, 1926.

56,756. RUBBER TIRES. Registered October 16, 1906. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed October 16, 1926.

56,773. SEAMLESS RUBBER GLOVES. Registered October 16, 1906. THE MILLER RUBBER MANUFACTURING Co. Renewed October 16, 1926, to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio, assignee.

56,779. WRITING, BOND, AND LEDGER PAPER. Registered October 16, 1906. UNION CARD AND PAPER COMPANY, New York, N. Y., a Corporation of New York. Renewed October 16, 1926.

56,780. WRITING, BOND, AND LEDGER PAPER. Registered October 16, 1906. UNION CARD AND PAPER COMPANY, New York, N. Y., a Corporation of New York. Renewed October 16, 1926.

56,793. CIGARS. Registered October 16, 1906. HUGO NITZSCHE, St. Louis, Mo. Renewed October 16, 1926.

56,851. LOCKS, PADLOCKS, AND KEYS. Registered October 23, 1906. MILLER LOCK COMPANY, Philadelphia, Pa. Renewed October 23, 1926, to The Yale & Towne Manufacturing Company, Stamford, Conn., a Corporation of Connecticut, assignee.

56,864. LARD. Registered October 23, 1906. ARMOUR AND COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 23, 1926.

LABELS

REGISTERED JUNE 8, 1926.

30,443.—*Title:* BAYUK PHILADELPHIA MADE CIGARS. For Cigars. BAYUK CIGARS INCORPORATED. Philadelphia, Pa. Published December 30, 1925.

30,444.—*Title:* BAYUK PHILADELPHIA MACHINE MADE CIGARS. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published December 30, 1925.

30,445.—*Title:* HOME BREW MALT EXTRACT. For Malt Extract. BEARDSLEY SPECIALTY CO. INC., Rockford, Ill. Published January 2, 1925.

30,446.—*Title:* RAINBOW. For Candy-Cake Bars. CALVIN A. CAMP, Los Angeles, Calif. Published March 18, 1926.

30,447.—*Title:* CLEANALL. For a Cleansing Compound. CLEANALL CO., Chicago, Ill. Published March 25, 1926.

30,448.—*Title:* AREX. For Coffee. THE CULTURED COFFEE CORPORATION, St. Louis, Mo. Published April 3, 1926.

30,449.—*Title:* GREEN RIBBON. For Cigars. DILLON CIGAR CO., Miami, Fla. Published January 1, 1926.

30,450.—*Title:* DODGE'S. For Prunes. MRS. RUTH DODGE, doing business as Dodge Orchard, Princeton, Calif. Published December 31, 1925.

30,451.—*Title:* SUNRAY. For Handkerchiefs. EINSTEIN-WOLFF COMPANY, New York, N. Y. Published April 1, 1926.

30,452.—*Title:* JAPANESE TISSUE. For Toilet Paper. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Published April 6, 1923.

30,453.—*Title:* HAGAMAN'S BONNIE BREAD. For Bread. A. HAGAMAN & COMPANY, Albany, N. Y. Published April 20, 1926.

30,454.—*Title:* LION. For Apples. MITCHEL L. KALICH, doing business as M. L. Kalich & Company, Watsonville, Calif. Published October 1, 1925.

30,455—*Title:* GIMMEY GEE GOOD CHOCOLATES. For Candy. KRYGIER DRUG STORES INC., Milwaukee, Wis. Published May 4, 1926.

30,456.—*Title:* BUTTERFLY. For Fresh Lettuce. L AND W LAND COMPANY, Watsonville, Calif. Published April 15, 1926.

30,457.—*Title:* MISS MUFFET. For Canned Peas. THE LARSEN COMPANY, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Published January 1, 1926.

30,458.—*Title:* 100% UNION MADE MALT AND HOPS. For a Compound of Malt and Hops. JOHN W. LUX, doing business as John W. Lux Company, St. Paul, Minn. Published July 15, 1925.

30,459.—*Title:* UNGWENTOLE. For an Ointment. THE LYONS-LAEAI CO., Youngstown, Ohio. Published April 15, 1926.

30,460.—*Title:* LONG-BOY. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Flannery Baking Co., Jamestown, N. Dak. Published April 1, 1926.

30,461.—*Title:* SOCIETY BRAND OLEOMARGARINE. For Oleomargarine. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Ideal Food Products Co., Peoria, Ill. Published April 28, 1926.

30,462.—*Title:* FLAVORIGHT OLEOMARGARINE. For Oleomargarine. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Ideal Food Products Co., Peoria, Ill. Published April 28, 1926.

30,463.—*Title:* MI CARMEN. For Cigars. THE MUELLER & SON CO., INC., Milwaukee, Wis. Published December 17, 1898.

30,464.—*Title:* RUMIDOR-HUMIDOR. For a Smoker's Article for Flavoring and Moistening Cigars, Cigarettes, and Pipe Tobacco. NATIONAL CHEMICAL PRODUCTS CO. INC., Union City, N. J. Published April 2, 1926.

30,465.—*Title:* REID'S UNION DAIRY GRADE A FRESH SELECTED EGGS. For Eggs. REID ICE CREAM CORP., Brooklyn, N. Y. Published April 19, 1926.

30,466.—*Title:* BABY CHICK BOX. For Boxes for Shipping Poultry. SEFTON MANUFACTURING CORPORATION, Chicago, Ill. Published March 18, 1926.

30,467.—*Title:* TIN-APA. For Canned Smoked Sardines. VAN CAMP SEA FOOD CO., East San Pedro, Calif. Published October 10, 1925.

30,468.—*Title:* PILLOLE VIROS. For a Tonic or Remedy for Anæmia and Debility. SALVATORE VIOLA, New York, N. Y. Published March 23, 1926.

30,469.—*Title:* WATKINS PIE FILLER. COPYRIGHT, 1925. THE J. R. WATKINS CO. For Lemon-Pie Filler. THE J. R. WATKINS COMPANY, Winona, Minn. Published February 5, 1926.

30,470.—*Title:* HOLLAND HOUSE. For Coffee. GEO. F. WIEMANN CO., New York, N. Y. Published March 15, 1926.

30,471.—*Title:* BLUE BLOOD. For Oranges. MATTHEW J. ZEUZIUS, doing business as Blue Blood Shippers', Los Angeles, Calif. Published December 1, 1925.

PRINTS

REGISTERED JUNE 8, 1926.

8,868.—*Title:* THE LARGEST SELLING QUALITY PENCIL IN THE WORLD, NO. 118. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published November 15, 1924.

8,869.—*Title:* THE LARGEST SELLING QUALITY PENCIL IN THE WORLD, NO. 119. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published November 15, 1924.

8,870.—*Title:* 2ND REASON FOR USING THE BLUE BAND VELVET PENCIL—NO. 124. For Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published March 1, 1926.

8,871.—*Title:* BEGLEY'S FAMOUS CHILE. For Chile. BEGLEY FOOD PRODUCTS CO., Chicago, Ill. Published March 23, 1926.

8,872.—*Title:* PREPARE YOUR CHILD. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 30, 1926.

8,873.—*Title:* BRING YOUR BRISKEST APPETITE TO BREAKFAST IN THE WEST. For Coffee. HILLS BROS., San Francisco, Calif. Published September 23, 1925.

8,874.—*Title:* JUST INHALE THAT SENSE-THRILLING BOUQUET! For Coffee. HILLS BROS., San Francisco, Calif. Published October 18, 1925.

8,875.—*Title:* WHERE HILLS BROS COFFEE STARTS THE DAY—THERE THE WEST BEGINS. For Coffee. HILLS BROS., San Francisco, Calif. Published September 23, 1925.

8,876.—*Title:* DRINK DEEPLY OF ITS SEAL-BROWN DEPTHS . . . THAT CUP OF HILLS BROS COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published September 18, 1925.

8,877.—*Title:* AS BRACING AS THE WIND-SWEPT SEA. For Coffee. HILLS BROS., San Francisco, Calif. Published November 18, 1925.

8,878.—*Title:* THERE'S HEART-DEEP WESTERN WELCOME IN EVERY SAVORY SIP. For Coffee. HILLS BROS., San Francisco, Calif. Published September 9, 1925.

8,879.—*Title:* PINE-FRINGED LAKES AND TIMBERED SLOPES AND HILLS BROS. RED CAN COFFEE. For Coffee. HILLS BROS., San Francisco, Calif. Published September 6, 1925.

8,880.—*Title:* THEY SAY OUR HOSPITALITY IS "WIDE AS WESTERN PLAINS." For Coffee. HILLS BROS., San Francisco, Calif. Published September 2, 1925.

8,881.—*Title:* A MARK OF HOSPITALITY — THAT STEAMING CUP OF HILLS BROS. For Coffee. HILLS BROS., San Francisco, Calif. Published September 30, 1925.

8,882.—*Title:* WHEN SPIRITS DROOP AND BODIES LAG . . . For Coffee. HILLS BROS., San Francisco, Calif. Published September 11, 1925.

8,883.—*Title:* MILLIONS HAVE ANSWERED THE CALL O' THE CUP. For Coffee. HILLS BROS., San Francisco, Calif. Published September 4, 1925.

8,884.—*Title:* LIFT A CUP . . . AND DRINK IT DOWN. For Coffee. HILLS BROS., San Francisco, Calif. Published September 18, 1925.

8,885.—*Title:* EVERY WELL-REMEMBERED CUP BRIMS WITH HEARTY CHEER. For Coffee. HILLS BROS., San Francisco, Calif. Published September 25, 1925.

8,886.—*Title:* THAT TONIC TOUCH OF MOUNTAIN AIR IN EVERY STEAMING CUP. For Coffee. HILLS BROS., San Francisco, Calif. Published September 3, 1925.

8,887.—*Title:* MAKE YOUR OVERALLS LAST LONGER. For Overalls and Overall Repair Parts. SIGNAL SHIRT COMPANY, Racine, Wis. Published February 1, 1926.

8,888.—*Title:* VENT-O-LOK. For a Device Whereby a Window May be Open at Both Top and Bottom and at the Same Time Securely Fastened. Mrs. EVA COULSON STOUGH, San Francisco, Calif. Published April 15, 1926.

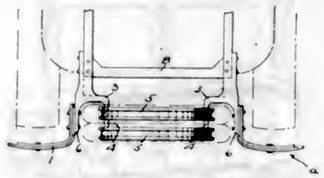
8,889.—*Title:* TODAY ONLY. For Enamel Finish, Oil, Paint, Varnish, and Brushes. THOMAS D. TAYLOR, Philadelphia, Pa. Published April 8, 1926.

8,890.—*Title:* SET IT AND FORGET IT. For Automatic Control Mechanism for Electric Ranges and Heating and Cooking Apparatus. WALKER & PRATT MFG. CO., Boston, Mass. Published March 1, 1926.

REISSUES

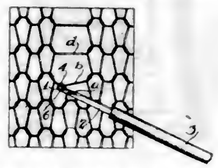
JUNE 8, 1926.

16,359. REAR BUMPER FOR AUTOMOBILES. WILLIAM P. HAMMOND, Scarsdale, N. Y. Filed May 6, 1926. Serial No. 107,278. Original No. 1,519,540, dated Dec. 16, 1924, Serial No. 726,430, filed July 17, 1924. 17 Claims. (Cl. 293—55.)



17. The combination with the rear of an automobile provided with rear wheel fenders and a rearwardly extending tire carrier, said tire carrier determining the maximum rearward extent of the car, of means for affording protection to said fenders without increasing the over-all length of the automobile, comprising impact members located in the space at each side of the tire carrier and the rear of the fenders, said impact members adapted to protect the fenders while permitting ready access to the spare tire on the tire carrier.

16,360. NEEDLE AND ITS METHOD OF USE. FRANK C. STEPHENS, Washington, D. C., assignor, by direct and mesne assignments, to The Stelos Company, Inc., Washington, D. C., a Corporation of Delaware. Filed Mar. 23, 1926. Serial No. 96,893. Original No. 1,564,379, dated Dec. 8, 1925, Serial No. 664,720, filed Sept. 25, 1923. 23 Claims. (Cl. 66—17.)

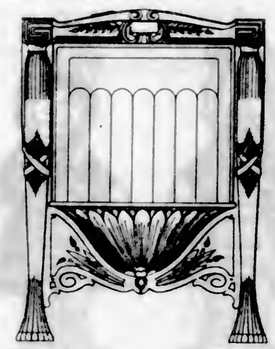


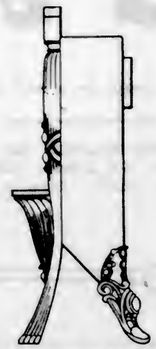
1. A needle having a hook and a side-guard extending in proximity to said hook.

DESIGNS

JUNE 8, 1926.

70,308. GAS HEATER. JULIUS F. ADAMS, Pittsburgh, Pa.; Anna Adams Lauer administratrix of said Julius F. Adams, deceased. Filed Nov. 28, 1924. Serial No. 11,520. Term of patent 7 years.



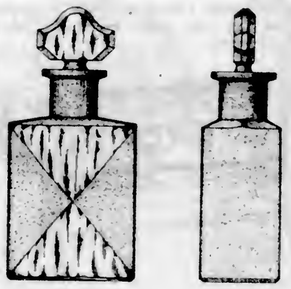


The ornamental design for a gas heater, as shown.

70,309. FINGER RING OR SIMILAR ARTICLE. HERMAN H. BARR, Norfolk, Va. Filed Sept. 30, 1924. Serial No. 10,927. Term of patent 14 years.

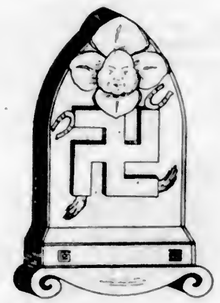
The ornamental design for finger ring, or similar article as shown.

70,310. BOTTLE. LOUIS BECKER, Paris, France. Filed Apr. 2, 1926. Serial No. 17,160. Term of patent 3½ years.



The ornamental design for a bottle, substantially as shown.

70,311. PLAQUE. VIRGINIA S. BENJAMIN, Washington, D. C., assignor of one-half to Clara L. Hill, of the District of Columbia. Filed Nov. 21, 1922. Serial No. 4,356. Term of patent 14 years.

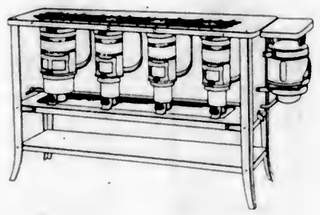


The ornamental design for a plaque substantially as shown.

70,312. CARTON. HENRY MARTIN BOEHM, Minneapolis, Minn. Filed Mar. 25, 1926. Serial No. 17,050. Term of patent 3½ years.

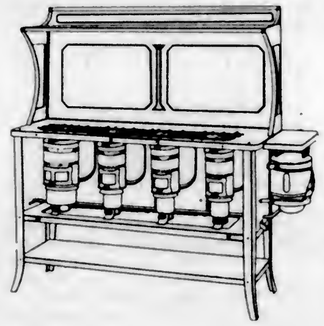
The ornamental design for a carton, as shown and described.

70,313. STOVE. LEE S. CHADWICK, Shaker Heights Village, Ohio, assignor to Perfection Stove Company, by change of name, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 23, 1922. Serial No. 3,526. Term of patent 14 years.



The ornamental design for a stove as shown.

70,314. STOVE. LEE S. CHADWICK, Shaker Heights Village, Ohio, assignor to Perfection Stove Company, by change of name, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 23, 1922. Serial No. 3,527. Term of patent 14 years.



The ornamental design for a stove as shown.

70,315. DOLL. DIGBY WILLIAM CHANDLER, New York, N. Y., assignor to Annin & Co., New York, N. Y., a Corporation of New York. Filed Feb. 23, 1926. Serial No. 16,643. Term of patent 7 years.

The ornamental design for a doll, as shown.

70,316. CIGARETTE HOLDER. ORAL D. CLOAKEY and EARL R. TAMBLIN, Los Angeles, Calif. Filed Feb. 24, 1925. Serial No. 12,473. Term of patent 3½ years.

The ornamental design for a cigarette holder as shown.

70,317. LADY'S SLIPPER OR SIMILAR ARTICLE. LOUIS J. COBLENTZ, New York, N. Y., assignor to Leon Weil, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 28, 1925. Serial No. 15,825. Term of patent 3½ years.

The ornamental design for a lady's slipper or similar article, substantially as shown and described.

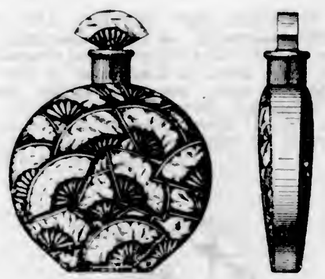
70,318. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1926. Serial No. 16,130. Term of patent 3½ years.

The ornamental design for a coat, substantially as shown and described.

70,319. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1926. Serial No. 17,294. Term of patent 3½ years.

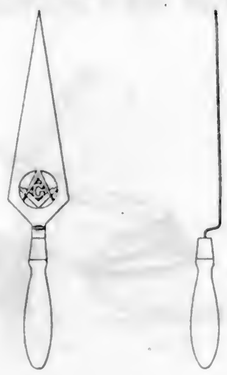
The ornamental design for a shoe, as shown.

70,320. BOTTLE. PIERRE BESANÇON DE WAGNER, Paris, France. Filed Feb. 25, 1926. Serial No. 16,659. Term of patent 7 years.



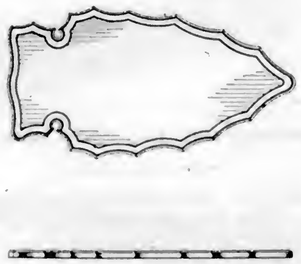
The ornamental design for a bottle, as shown

70,321. PAPER CUTTER. CLARENCE DULL, Swampscott, Mass. Filed Dec. 1, 1925. Serial No. 15,596. Term of patent 7 years.



The ornamental design for a paper cutter, as shown.

70,322. NAME PLATE. FREDERICK W. GLOSSBRENNER, Indianapolis, Ind., assignor to Insurance Underwriters, Incorporated, Indianapolis, Ind. Filed Nov. 16, 1925. Serial No. 15,433. Term of patent 14 years.

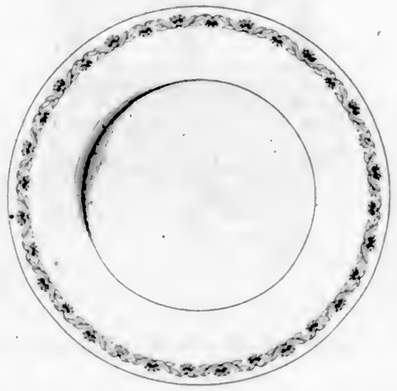


The ornamental design for a name plate as shown.

70,323. COMBINED PIPE SUPPORT AND PAPER WEIGHT. SAMUEL E. GUINN, Johnson City, Tenn., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn., a Corporation of New York. Filed Mar. 4, 1926. Serial No. 16,789. Term of patent 14 years.

The ornamental design for a combined pipe support and paper weight, as shown.

70,324. PLATE OR SIMILAR ARTICLE. ULRICH HAGMANN, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1925. Serial No. 12,784. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

70,325. PLATE OR SIMILAR ARTICLE. ULRICH HAGMANN, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1925. Serial No. 12,785. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

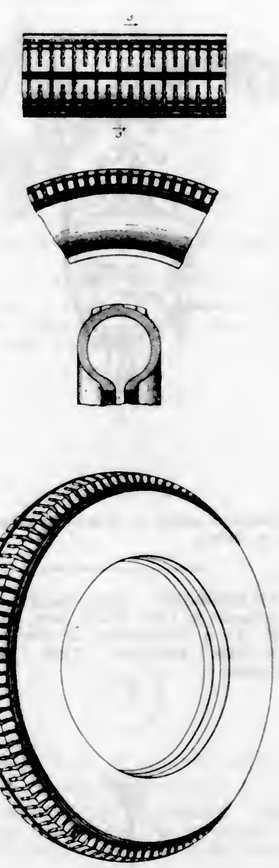
70,326. PLATE OR SIMILAR ARTICLE. ULRICH HAGMANN, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1925. Serial No. 12,786. Term of patent 7 years.

The ornamental design for a plate or similar article, as shown.

70,327. PLATE OR SIMILAR ARTICLE. ULRICH HAGMANN, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1925. Serial No. 12,787. Term of patent 7 years.

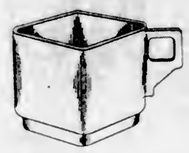
The ornamental design for a plate or similar article, as shown.

70,328. AUTOMOBILE TIRE. HARRY C. HOWER, Chicago, Ill. Filed Mar. 14, 1924. Serial No. 8,927. Term of patent 14 years.



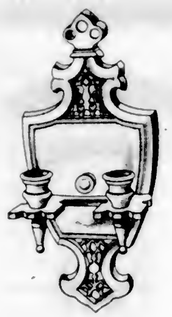
The ornamental design for an automobile tire, as shown.

70,329. CUP. ROBERT CRAWFORD JOHNSON, Leicester, England, assignor to Cube Teapots Limited, Leicester, England. Filed Jan. 9, 1926. Serial No. 16,014. Term of patent 14 years.



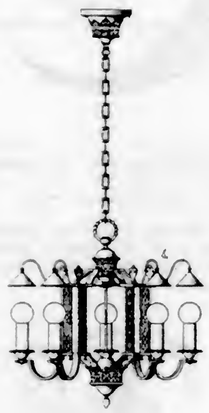
The ornamental design for a cup as shown.

70,330. WALL LIGHTING FIXTURE. EMIL KEMENY, New York, N. Y., assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1926. Serial No. 17,281. Term of patent 3½ years.



The ornamental design for a wall lighting fixture substantially as shown.

70,331. CHANDELIER. EMIL KEMÉNY, New York, N. Y., assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1926. Serial No. 17,282. Term of patent 3½ years.

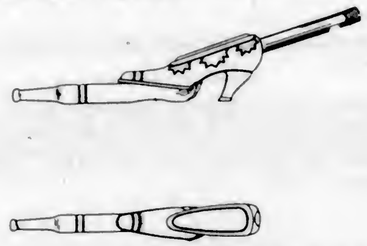


The ornamental design for a chandelier substantially as shown.

70,332. DOLL. FRANK O. KING, Glencoe, Ill. Filed June 15, 1925. Serial No. 13,792. Term of patent 7 years.

The ornamental design for a doll substantially as shown.

70,333. CIGARETTE HOLDER. HARRY KITHAS, Fort Worth, Tex. Filed Apr. 26, 1926. Serial No. 17,457. Term of patent 3½ years.

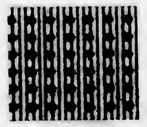


The ornamental design for a cigarette holder, as shown.

70,334. CLOCK-CASE FACE OR SIMILAR ARTICLE. HENRY KLEIN, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,977. Term of patent 14 years.

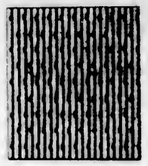
The ornamental design for a clock case face or similar article, substantially as shown.

70,335. PILE FABRIC. JOHN LEIPER, New York Mills, N. Y., assignor to New York Mills Corporation, New York Mills, N. Y., a Corporation of New York. Filed Mar. 11, 1926. Serial No. 16,875. Term of patent 3½ years.



The ornamental design for a pile fabric as shown.

70,336. PILE FABRIC. JOHN LEIPER, New York Mills, N. Y., assignor to New York Mills Corporation, New York Mills, N. Y., a Corporation of New York. Filed Mar. 11, 1926. Serial No. 16,878. Term of patent 3½ years.



The ornamental design for a pile fabric as shown.

70,337. PILE FABRIC. JOHN LEIPER, New York Mills, N. Y., assignor to New York Mills Corporation, New York Mills, N. Y., a Corporation of New York. Filed Mar. 11, 1926. Serial No. 16,881. Term of patent 3½ years.

The ornamental design for a pile fabric as shown.

70,338. BRIDGE-LAMP ARM. NATHAN A. LEVITAN, Brooklyn, N. Y., assignor to J. J. Braze Co., a Copartnership composed of J. J. Braze and N. A. Levitan, New York, N. Y. Filed Apr. 9, 1926. Serial No. 17,229. Term of patent 3½ years.

The ornamental design for a bridge lamp arm, as shown.

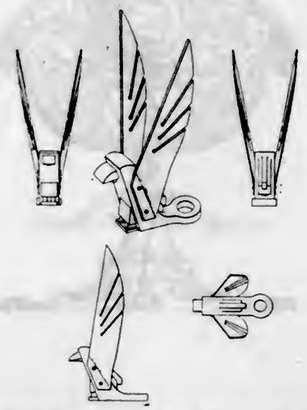
70,339. BRIDGE-LAMP ARM. NATHAN A. LEVITAN, Brooklyn, N. Y., assignor to J. J. Braze Co., a Copartnership composed of J. J. Braze and N. A. Levitan, New York, N. Y. Filed Apr. 13, 1926. Serial No. 17,278. Term of patent 3½ years.

The ornamental design for a bridge lamp arm, as shown.

70,340. CURTAIN PULL. BERNITA LUNDY, San Francisco, Calif. Filed Nov. 21, 1925. Serial No. 15,489. Term of patent 3½ years.

The ornamental design for a curtain pull as shown.

70,341. RADIATOR-CAP ORNAMENT. VERNON K. NEWSWENGER, Philadelphia, Pa. Filed Jan. 15, 1926. Serial No. 16,112. Term of patent 14 years.

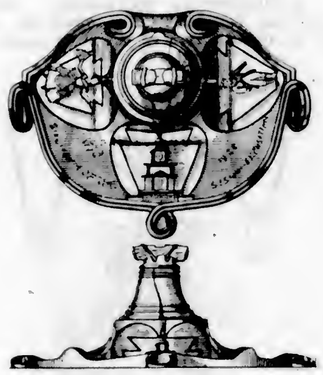


The ornamental design for a radiator cap ornament, substantially as shown.

70,342. STOCKING. JOHN P. NISSEN, Philadelphia, Pa. Filed June 5, 1925. Serial No. 13,666. Term of patent 14 years.

The ornamental design for a stocking, as shown.

70,343. INKSTAND. PATRICK J. O'HANLON and EDWARD A. SMITH, Philadelphia, Pa. Filed Apr. 26, 1926. Serial No. 17,462. Term of patent 3½ years.



The ornamental design for an inkstand, as shown.

70,344. EMBROIDERED FABRIC. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace & Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 17,111. Term of patent 3½ years.

The ornamental design for embroidered fabric, as shown.

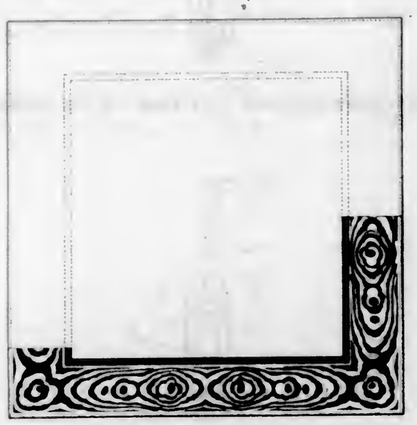
70,345. EMBROIDERED FABRIC. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace & Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 17,112. Term of patent 3½ years.

The ornamental design for embroidered fabric, as shown.

70,346. EMBROIDERED FABRIC. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace & Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 17,113. Term of patent 3½ years.

The ornamental design for embroidered fabric, as shown.

70,347. TABLE NAPKIN OR ARTICLE OF SIMILAR NATURE. ANTON WEDL, New York, N. Y. Filed Nov. 19, 1925. Serial No. 15,469. Term of patent 3½ years.



The ornamental design for a table napkin or article of similar nature, substantially as shown and described.

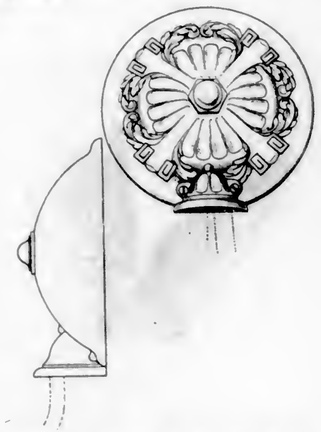
70,348. AUTOMOBILE RADIATOR CAP. JOSEPH WICHTOSKI, Milwaukee, Wis. Filed Apr. 16, 1926. Serial No. 17,310. Term of patent 7 years.

The ornamental design for an automobile radiator cap, substantially as shown.

70,349. LIGHTING-FIXTURE PAN. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,764. Term of patent 3½ years.

The ornamental design for a lighting fixture pan, as shown.

70,350. LIGHTING-FIXTURE PLATE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Mar. 5, 1924. Serial No. 8,835. Term of patent 3½ years.

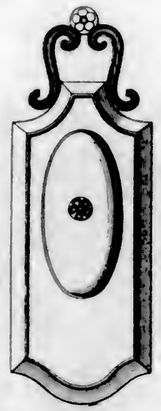


The ornamental design for a lighting fixture plate, as shown.

70,351. LANTERN. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 15, 1926. Serial No. 17,302. Term of patent 3½ years.

The ornamental design for a lantern, as shown.

70,352. PLAQUE FOR WALL BRACKETS. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 15, 1926. Serial No. 17,303. Term of patent 3½ years.



The ornamental design for a plaque for wall brackets, as shown.

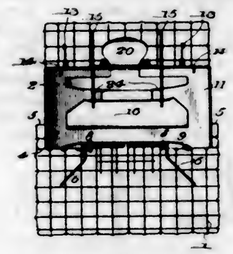
70,353. PLAQUE FOR WALL BRACKETS. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 15, 1926. Serial No. 17,304. Term of patent 3½ years.

The ornamental design for a plaque for wall brackets, as shown.

PATENTS

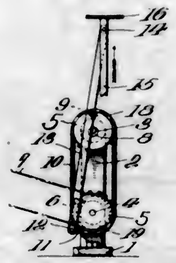
GRANTED JUNE 8, 1926.

1,587,494. RAT TRAP. JOHAN J. ALTHAUSEN, Evansville, Ind. Filed Sept. 5, 1924. Serial No. 736,069. 1 Claim. (Cl. 43—72.)



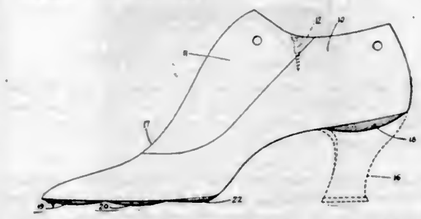
In an animal trap, the combination with an enclosure or compartment, of a floor therefor comprising rotatably mounted trap doors of paddle wheel form whose axes of rotation are arranged parallel, each trap door having one blade arranged laterally and constituting a continuation of a blade of the other trap door, and having a blade arranged upright, said blades collectively forming a runway having a bottom and side walls along which the animal must pass, the entrance end of the runway being accessible only through one end of the enclosure or compartment, and a bait holding trigger located in the region of the other end of the runway so as to be accessible to the animal only when he has passed into said runway, said bait holding trigger serving to normally lock the trap doors and to release them when moved, means being provided on the trigger to prevent the trap doors from being drawn backwardly after the trigger has released said doors to permit the animal to descend past, or through them.

1,587,495. WRAPPING MACHINE. FRANK K. ARNOLD, Keene, N. H. Filed June 10, 1924. Serial No. 719,194. 7 Claims. (Cl. 93—2.)



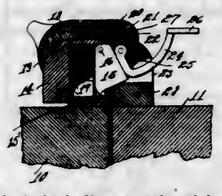
1. A wrapping machine comprising folders adapted to act on the wrappers, a plunger feeding packages to the folders and means for causing a slow movement of the plunger just prior to reaching the folder and a quick return thereof.

1,587,496. SHOE LAST. EMILIO ALTIERI, New York, N. Y. Filed Dec. 16, 1922. Serial No. 607,280. 8 Claims. (Cl. 12—133.)



1. A shoe last comprising a body member having a projection on the sole portion of substantially the same shape as the lower portion of the ball of a human foot.

1,587,497. WINDOW LOCK. JOSEPH ANDO, Shelton, Conn. Filed Nov. 1, 1923. Serial No. 672,148. Renewed Feb. 25, 1926. 1 Claim. (Cl. 292—226.)

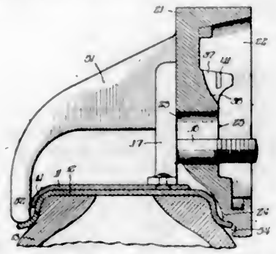


A window lock including a pair of housings mounted on the meeting rails of a pair of sashes and having their mutually adjacent open sides in vertical alinement with the adjacent faces of said rails, a detent in one of the housings and spring pressed into the other housing, an angle lever in the other housing in position to engage its angle with the detent to move the latter within its housing and out of the line of the rails, an undercut arcuate lug on the upper face of said other housing, a lever pivotally mounted on the upper face of the first housing and having its free end curved downwardly for engagement with the rear of said housing, and a hook pivotally connected to the lever and having its bill undercut for engagement with the said lug to draw the housings and sash rails into close engagement.

1,587,498. SPARE-TIRE LOCK. FREDERICK E. BEACH, Chicago, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 15, 1925. Serial No. 23,186. 11 Claims. (Cl. 70—90.)

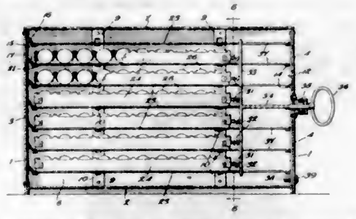
1. The combination with a carrier rim adapted to receive a spare tire rim, said carrier rim comprising an upright bracket and a threaded stud projecting therefrom, of a locking unit adapted for mounting on said stud and removable therefrom in its entirety, said locking unit comprising a body portion, an opening in said body portion for receiving said stud, a shoulder adjacent said opening against which the nut on said stud is adapted to bear, means for preventing the unauthorized releasing of said nut, a locking shoulder depending from said body portion for over-hanging the edge

of said spare tire rim, a hook-like flange of said shoulder adapted to engage the edge of said rim to prevent upward prying of said locking unit relative to said spare tire rim, and a pair of arms extending from said body



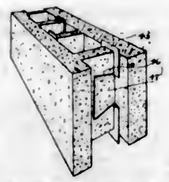
portion back on each side of said bracket for bearing against the opposite side of one of said rims to prevent bending or prying said bracket or said carrier rim to release said spare tire rim.

1,587,499. EGG-PRESERVING APPARATUS. GEORGE H. BENEDICT, Washington, D. C., assignor, by mesne assignments, to American Warehouse Corp., Washington, D. C., a Corporation of Delaware. Filed Feb. 14, 1922, Serial No. 536,493. Renewed Nov. 14, 1925. 7 Claims. (Cl. 99—2.)



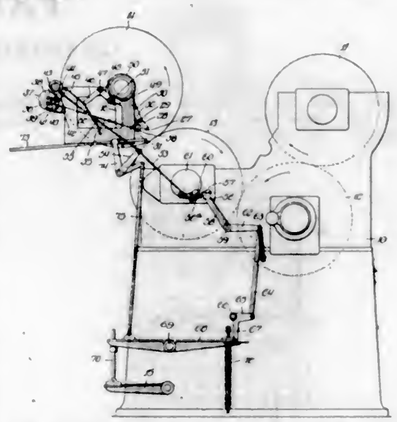
7. An apparatus of the class described comprising a receptacle having side and end walls; a plurality of vertically disposed members rigid with said walls, provided with stamped angularly disposed supporting projections; readily removable plates adapted to be introduced into said receptacle, one of the edges of said plates being provided with notches adapted to register with said projections, whereby the latter may pass therethrough; a vertically disposed member carried by one of said end walls provided with cam surfaces adapted to engage other edges of said plates to move the same, whereby said notches may be moved out of register with said projections; egg holding trays adapted to rest upon said plates; and means for moving said trays relative to said plates.

1,587,500. CONCRETE CONSTRUCTION. ROY C. BLACKMAN, West Park, Ohio. Filed Jan. 20, 1921. Serial No. 438,650. 7 Claims. (Cl. 72—48.)



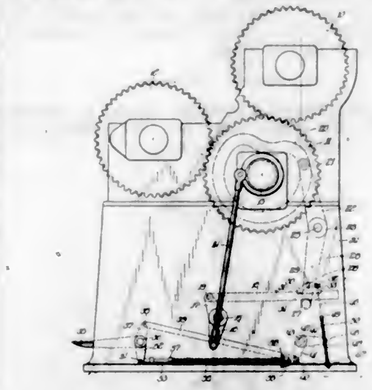
1. A concrete structural unit of substantially rectangular outline, comprising two permanently assembled sections of concrete having abutting faces in a plurality of transverse planes, an insulating means interposed between said sections, and means interlocking said sections.

1,587,501. SHEET-REGISTER DETECTOR. JOSEPH R. BLAINE and CARL HENDERSON, Chicago, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1922. Serial No. 533,376. 5 Claims. (Cl. 101—218.)



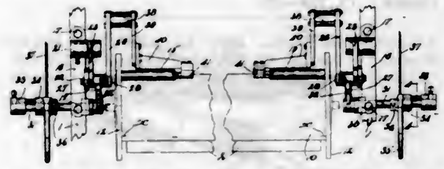
1. In a printing press, the combination of sheet registering means including a movably mounted member movable in accordance with sheet registering conditions, means for tripping the press, signal means, and means carried with said movably mounted member forming a mechanical actuating connection for causing the operation of the signal means and the operation of said tripping means in accordance with sheet registering conditions.

1,587,502. CYLINDER-TRIP MECHANISM. JOSEPH R. BLAINE, Oak Park, and ARTHUR G. JACOBSON, Chicago, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1922. Serial No. 601,464. 4 Claims. (Cl. 101—218.)



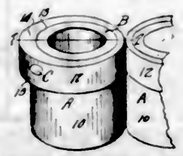
1. In a printing press, the combination with plate, blanket and impression cylinders, of means for moving said blanket cylinder into and out of engagement with said plate and impression cylinders including a member transmitting such movements to said blanket cylinder, an actuating lever supporting one end of said member, and a double pawl carried by said lever for providing a selective operative connection between said motion transmitting member and actuating lever.

1,587,503. EDGE-WINDING COMPRESSOR FOR WINDERS. WRIGHT BOLTON, Jr., New Bedford, Mass. Filed Mar. 17, 1924. Serial No. 699,683. 14 Claims. (Cl. 28—38.)



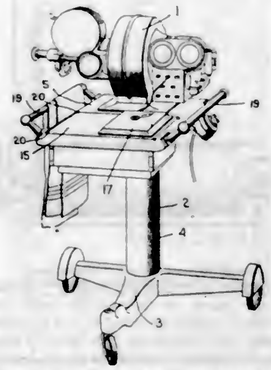
1. A winding machine having therein means for driving a winding container, means for maintaining the winding mass in contact with the driving means adapted to compress the winding layers throughout the region of driving contact, in combination with an auxiliary compressor roll having axial freedom of motion, and means for maintaining said auxiliary roll in contact with portions of the winding including portions not compressed by contact with said driving means.

1,587,504. BUSHING MEANS. OTTIS R. BRINEY, Pontiac, Mich. Filed Sept. 10, 1924. Serial No. 736,839. 4 Claims. (Cl. 77—62.)



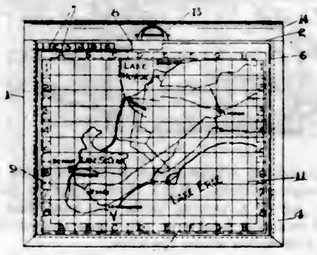
3. An apparatus of the character described comprising, associable members, one of said members having a body portion and a head portion and a counterbore in the head portion, said head portion having a portion thereof projecting further beyond the side of said body portion than the remaining portion thereof to permit a plurality of said one members to be installed adjacently with a minimum of center distance between them, the other of said members having a head adapted to said counterbore, and a lock means for said members mounted in the first mentioned portion of the head of said one member and engaging the head of said other member.

1,587,505. ELECTRIC THERAPEUTIC DEVICE. RALPH W. CHAPMAN, Old Town, Me., assignor to T. M. Chapman's Sons' Co., Old Town, Me., a Corporation of Maine. Filed Mar. 20, 1924. Serial No. 702,822. 5 Claims. (Cl. 174—177.)



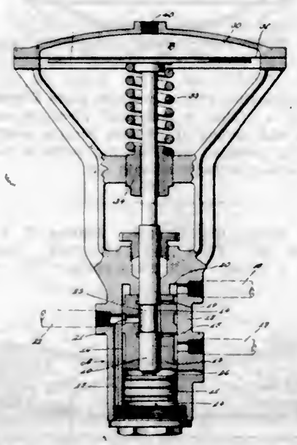
1. In a device of the class described, the combination with a stand having a table portion adapted to receive an electric therapeutic apparatus and provided with a heating chamber situated below the top of the table, of electric heating devices in said chamber and a non-corrodible plate forming a removable cover for the chamber and a hot plate on which pads to be heated may be placed.

1,587,506. ROUTE MAP AND THE LIKE. EMANUEL THOMAS CHARLTON, London, Ontario, Canada. Filed June 2, 1923. Serial No. 643,015. 2 Claims. (Cl. 35—6.)



1. The combination of a holder open at one side and provided with a transparent front, a transparent back, and an intermediate diaphragm dividing the space between the back and front into two separate pockets; and a hang-up secured to the diaphragm.

1,587,507. RELAY DEVICE. MAYNARD D. CHURCH, Hartford, Conn. Filed Sept. 17, 1923. Serial No. 663,322. 10 Claims. (Cl. 236—85.)

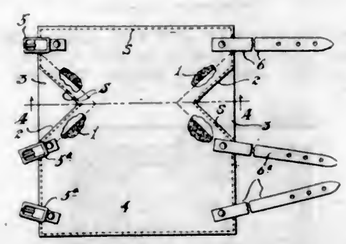


1. In combination, actuating means, fluid pressure responsive means arranged to exert a force in direct opposition to the force exerted by said actuating means, and valve means associated with and controlled by said mentioned means and controlling fluid pressure acting on said pressure responsive means so the force exerted by the latter will balance the force of said actuating means.

1,587,508. COTTON-PICKER'S KNEE PAD. IRA E. COATS, Coppell, Tex. Filed Aug. 29, 1925. Serial No. 53,257. 1 Claim. (Cl. 2—24.)

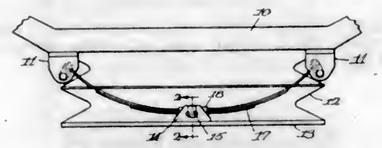
A knee-pad of the character described comprising a substantially rectangular sheet of cushioning material to contact with the wearer's knee, said sheet having a pair

of opposed substantially V-shaped notches in its side edges adjacent the upper end, a cover sheet stitched to one face of the other sheet and having notches aligned with those aforementioned, a flexible web set into each notch and having portions stitched between said sheets, a



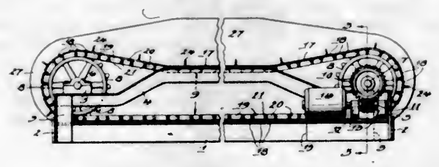
pair of attaching straps and coacting buckles fixed to the side edge portions of the cover sheet to be carried about the leg of a wearer below the knee, and a third strap and co-acting buckle at the upper end of the cover sheet for disposition above the knee.

1,587,509. CENTER MOUNT FOR CAR BUFFERS. GEORGE E. COUTANT, Decatur, Ill. Filed May 15, 1925. Serial No. 30,480. 4 Claims. (Cl. 267—52.)



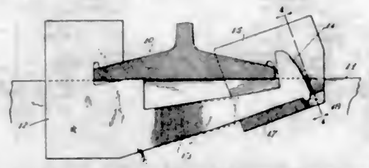
1. In combination with a movable plate a bracket carried thereby, a spring, a segmental pivot-pin carried by said spring and having an arcuate bearing surface, said bracket being provided with bearing surfaces to contact with the bearing surfaces of said pin.

1,587,510. COAL CONVEYER. JOSEPH J. DAVIDSON, St. Louis, Mo. Filed Dec. 11, 1922. Serial No. 606,073. 3 Claims. (Cl. 198—195.)



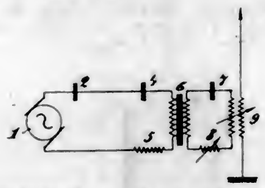
1. In a high speed conveyer, adapted for use in carrying and throwing coal and other heavy bulk material, the combination with a plurality of parallel flights arranged edge to edge in an endless carrier surface, of chain links formed integral with each of said flights on one face thereof, each chain link extending across the face of a flight, pins joining the links on each flight to the links of the adjacent flights, blades formed integral with and extending longitudinally on the opposite face of certain of said flights for engagement with the material to be conveyed and means for driving said carrier surface and blades at a high speed, whereby the material conveyed thereby may be thrown free of the conveyer at the delivery end thereof.

1,587,511. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1924, Serial No. 749,655. Renewed Nov. 20, 1925. 19 Claims. (Cl. 238—32.)



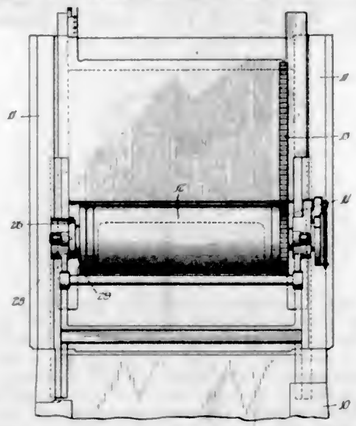
15. A rail anchor comprising a plurality of members arranged side by side and provided with jaws which grip the rail base when the anchor is in its applied position.

1,587,512. HIGH-FREQUENCY TRANSFORMER. WALTER DORNIG, Berlin-Steglitz, Germany. Filed Dec. 2, 1921, Serial No. 519,325, and in Germany Dec. 13, 1920. 1 Claim. (Cl. 250—17.)



In an arrangement of the kind described, an alternating current generator, a frequency transformer, a primary circuit connected between the generator and the transformer, a wave radiator, a secondary circuit connected between the transformer and the wave radiator, a choking coil in the primary circuit with a resistance for the secondary frequency at least twice that of the wave radiator, a capacity in the primary circuit for tuning the same to the fundamental frequency, and a capacity in the secondary circuit for tuning the same to any desired frequency in the wave radiator.

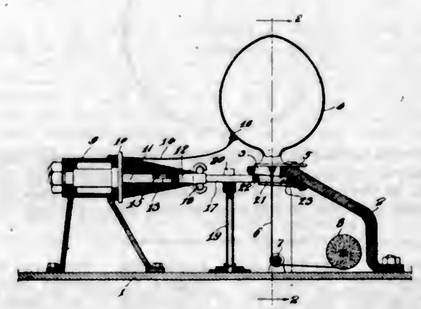
1,587,513. CYLINDER SAFETY MEANS. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 26, 1923. Serial No. 621,136. 8 Claims. (Cl. 101—282.)



1. In a printing press, the combination of a cylinder mounted for rotary movement, driving means therefor,

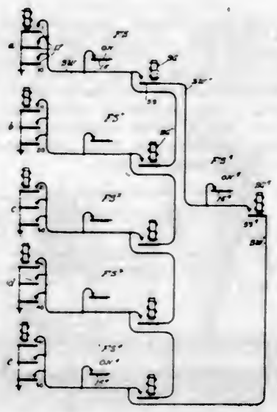
means for connecting said cylinder and driving means, and unyielding means for positively preventing said connecting means from moving from its connecting position during a rotary movement of said cylinder.

1,587,514. APPARATUS FOR LOCATING AND ATTACHING CABLES TO SUNKEN VESSELS. JOHN R. DUNCAN, Ardmore, Pa. Filed Feb. 21, 1925. Serial No. 10,945. 6 Claims. (Cl. 114—51.)



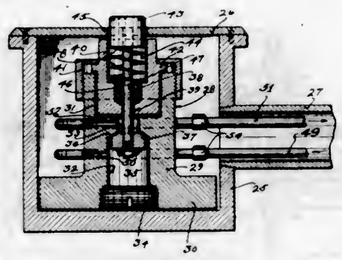
1. Apparatus of the character described including a cable anchoring member fixed to the vessel and having stationary means thereon; a reel rotatable in the anchoring member; a cable wound on the reel and movable through said stationary means; a float connected with said cable; means movably embracing said cable between said stationary means and the reel; and means connected with said cable means and float.

1,587,515. CALL-DISTRIBUTING SYSTEM. GEORGE R. EATON, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1920. Serial No. 373,943. 5 Claims. (Cl. 179—27.)



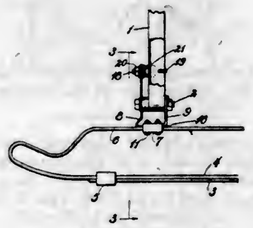
1. A telephone system including a major group of lines divided into sub-groups of lines, an automatic switch having a set of wipers operable in but one plane associated with each of said sub-gronps, an auxiliary automatic switch associated with said switches, means whereby if a connection is desired with one of the lines in one of said sub-groups its associated switch is operated to effect such connection, and if a second connection is desired with a second line in the said sub-group said auxiliary switch is operated to effect the connection.

1,587,516. FLUSHING DEVICE. DONALD M. FORFAR, Minneapolis, Minn. Filed June 29, 1925. Serial No. 40,380. 2 Claims. (Cl. 137—93.)



1. An embedded cover-equipped floor or wall box located at a distant point from a flushing valve, a concealed conduit between the box and flushing valve, a removable water pressure tube leading from the flushing valve and extending through the conduit to the box, an auxiliary pilot valve assembly removably mounted in the box and having an actuating push button extending through an aperture in the cover of the box, and a separable coupling connecting said tube to the auxiliary pilot valve assembly outward thereof.

1,587,517. AUTOMOBILE BUMPER BRACKET. OSCAR H. GOETZ, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed July 30, 1924. Serial No. 729,032. 6 Claims. (Cl. 293—55.)

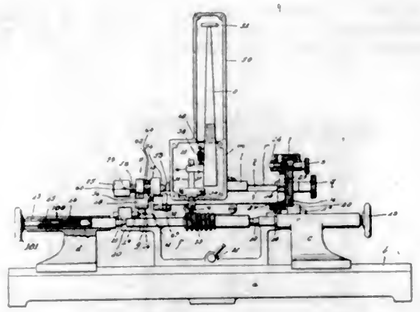


1. Means for the attachment of a bumper to an automobile at the region of the spring bolt, said means comprising a clamping member having an attaching portion to be fitted upon the spring bolt and having also an integral clamp portion to receive the bumper and means to secure said clamp to said bumper; and an attachment arm also to be fitted upon said spring bolt and having a connecting portion to be secured by said clamp, said clamping member and attachment arm constituting an attachment couple adjustable rotatably around the axis of said spring bolt.

1,587,518. TESTING OR MEASURING APPARATUS. BENGT W. M. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Filed May 21, 1923. Serial No. 640,348. 23 Claims. (Cl. 33—199.)

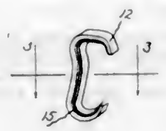
1. In an apparatus of the character described, an indicator including a point and an indicating finger associated

therewith; a drop pin arrangement having a definite position relative to said apparatus for indicating the proper



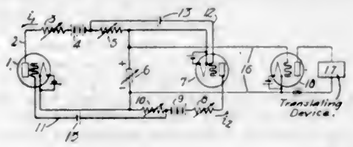
positioning of said indicator and means for adjusting said indicator relative to said drop pin arrangement.

1,587,519. RING TRAVELER. WILLIAM HARROP, New Bedford, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 16, 1926. Serial No. 88,544. 3 Claims. (Cl. 118—61.)



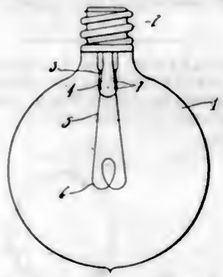
1. A ring traveler having a lubricant receiving recess opening into the leading edge of the traveler.

1,587,520. NONRESONANT SYSTEM. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 3, 1919. Serial No. 274,715. 21 Claims. (Cl. 250—36.)



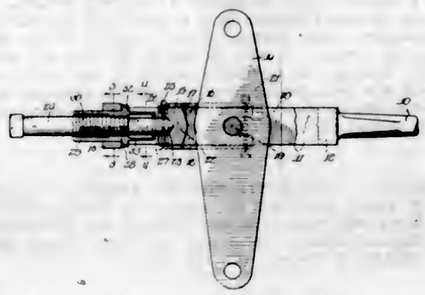
2. A generating system comprising a series circuit, said series circuit containing consecutively arranged current sources, anodes, and electron-emitting cathodes, said sources being so connected as to tend to drive current in the same direction through said circuit, in combination with a frequency determinating reactance.

1,587,521. LEADING-IN CONDUCTOR. JOHN ALLEN HEANY, New Haven, Conn. Filed Nov. 18, 1918. Serial No. 263,038. 4 Claims. (Cl. 176—36.)



1. The method of joining copper, gold and nickel steel wires, which consists in fusing a copper globule on the ends of the copper and nickel-steel wires, and then inserting the ends of the gold wire in these globules.

1,587,522. BRAKE-SLACK ADJUSTER. WILLIAM C. HEDGCOCK, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 28, 1924. Serial No. 752,536. 3 Claims. (Cl. 188—199.)

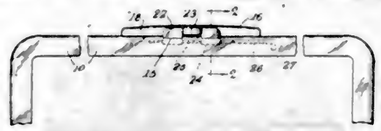


1. In a brake slack adjuster, the combination of a frame having side walls and end walls, one of said end walls having an opening therein, a fulcrum block slidably carried by said side walls, a nut having a portion engaging said side walls to hold said nut stationary, said nut also having a housing portion extending through the opening in said end wall, and a screw cooperating with said nut for adjusting said fulcrum block and being mounted within the housing for protection.

1,587,523. LITHOGRAPHIC ROLLER. CARL HENDERSON, Chicago, Ill., assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1922. Serial No. 591,223. 2 Claims. (Cl. 91—67.8.)

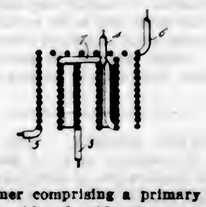
1. As an article of manufacture, a lithographic roller including a layer of leather of variable thickness and composition backing therefor shaped with respect to said leather and compensating for the variable thickness thereof so that the outer surface thereof which otherwise would be relatively uneven is presented in a smooth and true condition.

1,587,524. BAG FASTENER. WILLIAM C. HIBBING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Apr. 28, 1924. Serial No. 708,331. 3 Claims. (Cl. 242—228.)



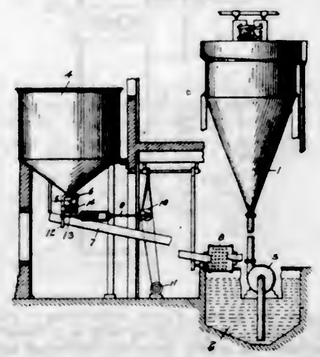
1. A bag fastener comprising a convex oblong rectangular plate having flanged rear and end edges and an inclined catch element at its front edge, a pair of flattened loops depending from the rear flange, the outer members of said loops being fixed on the exterior of said rear flange at the center thereof, said loops passing freely through openings in one of the bag frame side members, a bar integrally connecting the outer elements of said loops, means internal of said frame member, engaging said loops whereby said catch element is normally drawn into operative contact with the mating bag frame member and a forwardly projecting lip on the first named frame overlying the edge of the other frame.

1,587,525. TRANSFORMER. DWIGHT BRADFORD HILL, Winchester, Mass., assignor to said Hill and Herbert F. French, Copartners, as Hill Radio Co., Boston, Mass. Filed July 31, 1924. Serial No. 729,807. 15 Claims. (Cl. 175—359.)



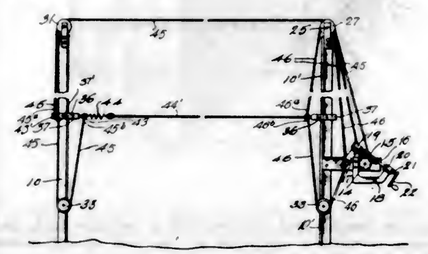
1. A transformer comprising a primary coil, a secondary coil on each side of said primary coil, and a wire wound back and forth across the outer peripheries of said coils for holding the coils in predetermined relation.

1,587,526. APPARATUS FOR CONTROLLING THE SUPPLY OF ABRASIVE TO GRINDING MACHINES. HALBERT K. HITCHCOCK, Pittsburgh, Pa. Filed May 12, 1925. Serial No. 29,716. 8 Claims. (Cl. 51—264.)



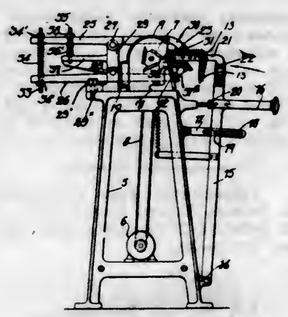
1. In combination in apparatus for regulating the density of a mixture of abrasive and water in a tank, a feeding device for supplying sand to the tank, and regulating means for the feed means comprising a pair of upright tubes in the tank extending down to different levels therein and having enlargements at their upper ends extending above the surface of the mixture in the tank, a lever upon which the tubes are supported so that they tend to counterbalance each other, and means actuated by the relative vertical movement of the tubes for governing the feed means.

1,587,527. CLOTHES DRIER. HENRY H. HOOVER, Kinsey, Mo. Filed Apr. 11, 1924. Serial No. 705,756. 1 Claim. (Cl. 68—3.)



A clothes drier comprising spaced posts, pulleys journaled at the upper and lower portions of the posts, frames slidably mounted upon the posts between the pulleys, a clothes support connected with the frames and bridging the space between them and including a yielding element exerting pulling strain upon both of the frames, cables trained about the pulleys and connected with the frames, and winding mechanism mounted upon one of the poles, said cables being arranged to wind upon the winding mechanism and whereby the frames are positively moved along the posts simultaneously.

1,587,528. FUR-TRIMMING MACHINE. FREDERICK W. HORSTMANN, Irvington, N. J. Filed July 9, 1925. Serial No. 42,368. 17 Claims. (Cl. 149—26.)

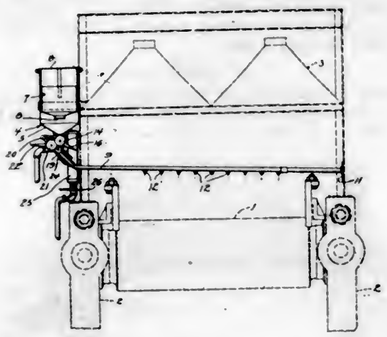


1. A fur-trimming machine comprising means for trimming fur, a stretcher bar adapted to be moved toward and from said trimming means, and means for engaging a skin draped over said stretcher bar to maintain the skin in firm contact therewith.

1,587,529. LIQUID-DISTRIBUTING SYSTEM FOR MIXING MACHINES. HOMER J. HOYT, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed July 5, 1922. Serial No. 572,892. 2 Claims. (Cl. 299—58.)

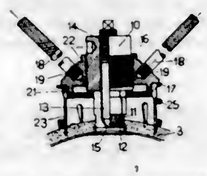
1. A system for distributively supplying a liquid ingredient including a container, a conduit for emptying the container and conveying the liquid therefrom, said conduit being provided with a plurality of nozzles at intervals, a valve in said conduit intermediate the nozzles, and con-

tainer for controlling the flow of liquid from the container to the nozzles, in combination with means for blowing



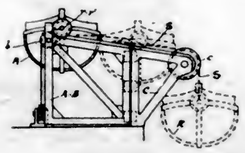
out the conduit and nozzles with a gaseous fluid, and means permitting operation of the last named means only when said valve is closed.

1,587,530. TREPANNING INSTRUMENT. ALBERT JENTZER and HENRI COURVOISIER, Geneva, Switzerland, Filed Oct. 3, 1924, Serial No. 741,409, and in Switzerland Oct. 12, 1923. 6 Claims. (Cl. 128—310.)



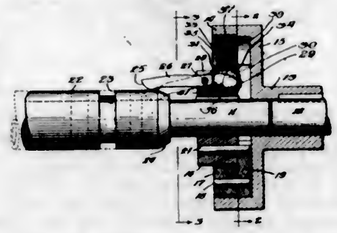
4. A trepanning instrument comprising a shaft having a threaded outer surface, a ring in threaded connection with said shaft, a tubular cutter mounted on said ring, means on said ring to allow the mounting of a plurality of cutters of different diameter and spring means arranged externally of said cutter and adapted to bear on the wall of a skull to withdraw a plug automatically as soon as the said plug is cut out.

1,587,531. APPARATUS FOR LAUNCHING LIFE-BOATS. ROMOLO LIBANI, Genoa, Italy. Filed June 20, 1925, Serial No. 38,503, and in Italy Sept. 25, 1924. 4 Claims. (Cl. 9—22.)



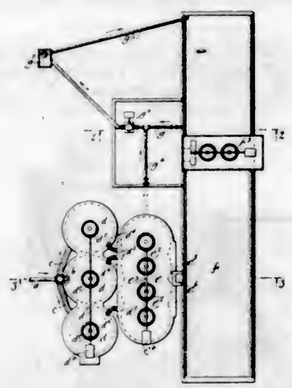
1. A device of the class described, comprising a pair of supports positioned in spaced relation, a folding section hinged to each of said supports for horizontal rotation, inclined rails supported by said supports and by said folding sections, a boat-carrying cradle, rollers mounted on said cradle and adapted to roll on said rails, cables secured to said cradle, a winding drum for said cables, and a pair of sheaves mounted on the outer ends of the folding sections in such position that the downward movement of the cradle will carry the cables over the sheaves and into engagement therewith.

1,587,532. AUTOMATIC CLUTCH. WALDEMAR L. LINDGREN, Chicago, Ill., assignor, by direct and mesne assignments, to Alfred A. Norton, trustee, Chicago, Ill. Filed May 17, 1924. Serial No. 713,920. 5 Claims. (Cl. 192—43.)



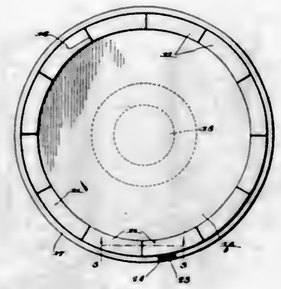
1. In a clutch, the combination with a rotating driving member, of a driven member concentric therewith and including a cup, a ring mounted to rotate with the driving member but capable of slight angular displacement relative thereto, a plurality of clutch dogs pivoted on the ring and having their outer ends adjacent the inner periphery of the cup, connections between the dogs and the driving member to swing them to clutching position by relative movement of the driving member and the ring, and a spring pressed brake member carried by the ring and adapted to engage the adjacent inner periphery of the cup when free to do so, said inner periphery being provided with elongated shallow recesses at intervals of a length adapted to co-operate with the ends of the brake, substantially as and for the purpose described.

1,587,533. MIXING SLURRY. POUL T. LINDHARD, Brooklyn, N. Y., assignor to F. L. Smith & Co., New York, N. Y., a Corporation of New Jersey. Filed Aug. 2, 1924. Serial No. 729,695. 3 Claims. (Cl. 83—73.)



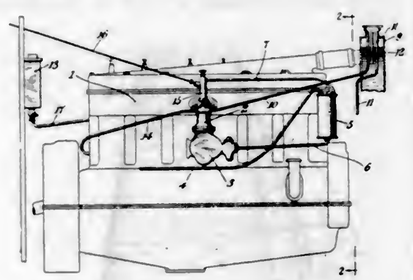
1. Apparatus for mixing slurry comprising a plurality of receiving tanks, a single mixing tank at a lower level, means to deliver the slurry from the receiving tanks at will into the mixing tank, a storage tank, and a conduit communicating at its lower end with the mixing tank at the bottom thereof and having at the level of the top of the mixing tank an outlet through which the slurry is discharged by gravity into the storage tank.

1,587,534. GRINDING APPARATUS. EVRAH C. LIPPS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 15, 1924. Serial No. 699,418. 5 Claims. (Cl. 51—209.)



1. A cylindrical grinding wheel comprising segments of abrasive material, thin nonabrasive strips arranged between the segments, and a cement including silicate of soda to secure the strips between the segments.

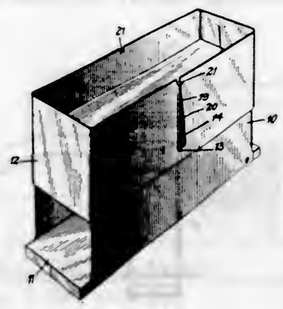
1,587,535. APPARATUS FOR IMPROVING THE FUEL MIXTURE IN INTERNAL-COMBUSTION ENGINES. JAMES LITCHFIELD, South Bethlehem, N. Y. Filed Jan. 31, 1923. Serial No. 616,012. 3 Claims. (Cl. 123—25.)



1. In combination, an internal combustion engine having an intake passageway leading to the engine cylinders, means for supplying a fuel mixture to said intake passageway, a reservoir containing a carbon removing liquid, a gasifying chamber in communication therewith and containing absorptive material, said chamber also having an air inlet opening and being held against the exhaust pipe but out of contact with the exhaust gases within said pipe to heat the air and gasify the liquid, and means for conducting gases from said chamber to the intake passageway.

1,587,536. ANIMAL TRAP. JEAN M. LOBIT, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,669. 4 Claims. (Cl. 43—61.)

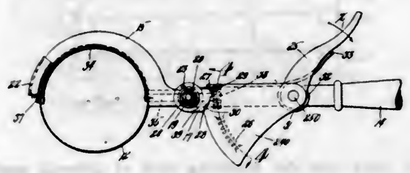
2. An animal trap comprising in combination, a tunnel-shaped casing, a closure for said casing and movable vertically with respect thereto, a rock-shaft journaled in the side walls of said casing, a trigger secured to said rock-shaft and extending into the path of travel through the tunnel, uprights on said rock-shaft, and projections on said closure and adapted to rest upon said uprights to support said closure in elevated position.



1,587,537. METHOD OF MAKING MOLDED RUBBER PRODUCT. CHAUNCEY C. LOOMIS, Yonkers, N. Y., assignor to Loomis, Stump & Banks, a Partnership, New York, N. Y. Filed May 14, 1924. Serial No. 713,251. 8 Claims. (Cl. 18—52.)

1. The method of preparing a molded vulcanized rubber product which comprises comminuting vulcanized rubber, forming the comminuted rubber into any desired shape by means of heat and pressure, and hardening the molded product by means of heat in the presence of an atmosphere containing oxygen.

1,587,538. MEASURING ICE-CREAM DISHER. PATRICK MCLAUGHLIN, Dover, N. H., assignor to George E. Holmes and Frank W. Grant, both of Dover, N. H. Filed Apr. 18, 1924. Serial No. 707,421. 6 Claims. (Cl. 107—48.)

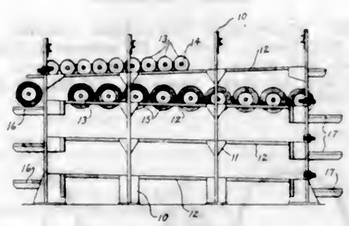


1. An ice cream disher comprising a bowl having a shank, an oscillatory cleaver movable across the mouth of the bowl, an oscillatory scraper movable within the bowl, and mechanism which normally holds the cleaver and scraper retracted and is manually operable to cause the cleaver to move ahead of the scraper during the cleaving and scraping operations, said mechanism including a single oscillatory operating lever fulcrumed on the bowl shank, primary torque-transmitting connections between the lever and the cleaver, operable during the initial projection of the lever to project the cleaver, secondary torque-transmitting connections between the lever and the scraper operable during the final projection of the lever and before the retraction of the cleaver to project the scraper, so that a charge is released and discharged from the bowl before the retraction of the cleaver and an unobstructed retraction of the cleaver is permitted, and resilient retracting means normally holding the lever, the cleaver and the scraper in their retracted positions.

1,587,539. DEVICE FOR OPTICALLY MEASURING LIGHT, PHOTOMETER. EMIL MAYER, Vienna, Austria. Filed Aug. 27, 1923, Serial No. 659,456, and in Austria Apr. 28, 1923. 5 Claims. (Cl. 88—23.)

1. In an exposure meter, the combination of a plurality of fields of varying light permeability, each of said fields having an identifying mark thereon, adjustable means for regulating the aperture through which light passes to the said fields, and manually operated means for excluding selected fields from the line of vision of the observer.

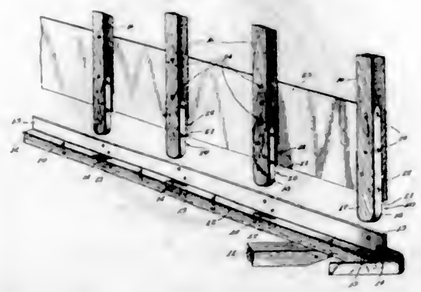
1,587,540. STOCK RACK. CHARLES EDGAR MAYNARD, Northampton, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1923. Serial No. 626,578. 1 Claim. (Cl. 211—18.)



A stock rack for supplying rolls of material which comprises a framework, a pair of parallel tracks sloping from one end of the framework to the other and supported thereby, said tracks being spaced apart further than the length of the rolls whereby said rolls may be supported on the tracks on arbors having end wheels running in the tracks, a second pair of similar tracks carried by the framework but sloping in the opposite direction, and stops at the lower ends of the trackways, all constructed and arranged so that rolls may be mounted on arbors at one end of the rack, stored upon the first-mentioned tracks, removed from the arbors for use at the other end of the rack, and the arbors returned upon the second-mentioned tracks to the loading end of the rack.

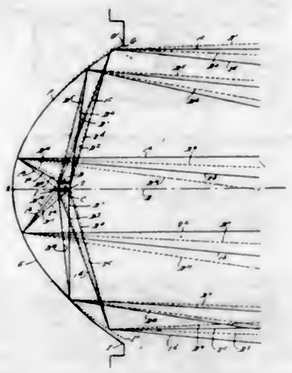
1,587,541. AUTOMOBILE BODY CONSTRUCTION. ROBERT F. METZLER and CLYDE J. METZLER, Chicago, Ill. Filed Nov. 13, 1925. Serial No. 68,741. 3 Claims. (Cl. 292—28.)

1. An automobile body construction embodying a supporting base member having a plurality of stake receiving openings therethrough, an angle iron resting thereupon and projecting thereabove, said iron having openings registering with the said stake openings, a plurality of upright stakes, means securing the stakes together to form a unitary side element, the extremities of said



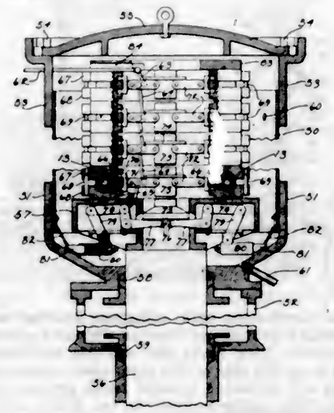
stakes being adapted to be simultaneously inserted in the respective said openings, and fastening devices passing through the upright portion of the said angle iron and the respective stakes for securing the parts together.

1,587,542. AUTOMOBILE HEADLIGHT. CLARENCE A. MICHEL, Cleveland, Ohio. Filed Feb. 7, 1925. Serial No. 7,439. 3 Claims. (Cl. 240—41.)



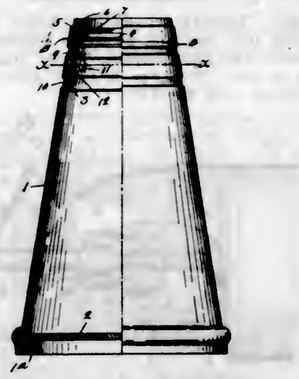
1. In a light projector, the combination of a reflector and a light bulb having two independently lighted filaments, one substantially on the axis of the reflector and one above said axis, the focus of the lower half of the reflector being spaced from and in front of the focus of the upper half of the reflector, the filaments being located between the focal points, the rear portion of the reflector being parabolic, the forward portions of the upper and lower halves being modified so as to reflect downwardly the rays of light from either filament.

1,587,543. TREATMENT OF RUBBER ARTICLES. THOMAS MIDGLEY, Hampden, and RALPH B. NAYLOR, Springfield, Mass., assignors to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 24, 1921. Serial No. 508,020. 14 Claims. (Cl. 18—53.)



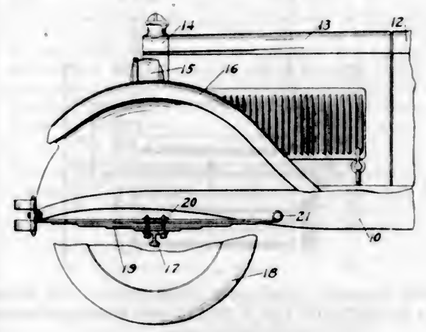
1. The method of vulcanizing pneumatic tires which comprises applying heat to the inner surface of a tire whose outer surface is exposed, and subjecting the outer surface of the tire to an unheated fluid.

1,587,544. PAPER CONTAINER. ARLINGTON MOORE, Boston, Mass. Filed Oct. 12, 1921, Serial No. 507,371. Renewed Sept. 17, 1925. 2 Claims. (Cl. 229—7.)



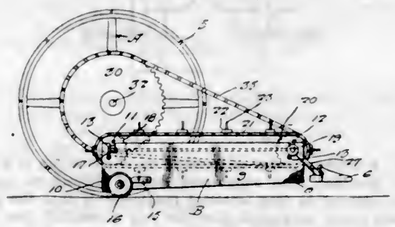
1. A paper container having its neck portion continuous with its side wall and tapering from its bottom end, a closure for said neck comprising a conical shell seated against the interior surface of said neck throughout the length thereof, extending therebeyond and having a shoulder arranged to engage the end of the neck, whereby said shell is held against longitudinal movement relative to the neck and is adapted to be moved rotatably therein, an end wall located in said shell and having an edge flange extending outwardly therefrom, said edge flange and the end portion of said shell beyond said shoulder being inwardly folded and pressed together to form a tight joint and a re-inforcing rim, and the contacting portions of said neck and shell each having a discharge port arranged to be brought into and out of register upon relative rotation thereof.

1,587,545. MOTOR VEHICLE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 8, 1924. Serial No. 742,349. 11 Claims. (Cl. 293—55.)



1. In a motor vehicle, the combination of a frame, an axle, a spring connected to the axle, a bumper extending crosswise of the frame and comprising a flexible bar connected to the frame and a second flexible bar connecting the ends of the first bar, and a connection between the spring and said bumper.

1,587,546. SEED-GATHERING ATTACHMENT FOR MOWING MACHINES. LUTHER F. MORRISON, Como, Miss. Filed Feb. 18, 1925. Serial No. 10,028. 2 Claims. (Cl. 56—207.)

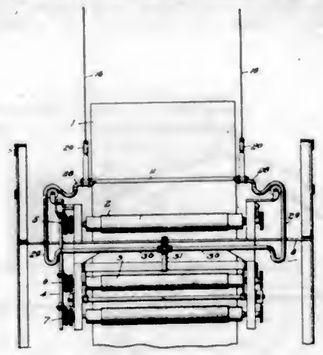


1. An attachment for mowing machines including a seed pan having an open top and comprising an inclined bottom, sides having horizontally disposed upper edges, and a rear wall of less height than the sides, said sides provided on their upper edges with spaced notches, shafts extending between the sides and disposed in said notches, means for holding the shaft in said notches, and a conveyor trained about and operable by said shaft.

1,587,547. APPARATUS FOR SEVERING GLASS SHEETS. TRAVIS OAKES, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 25, 1925. Serial No. 71,452. 7 Claims. (Cl. 49—50.)

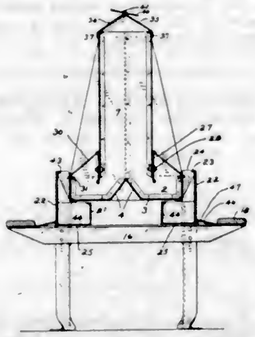
1. An apparatus for separating sections from a continuously formed sheet of glass, comprising electric heating means extending transversely of the sheet, means for clamping the heating means against the sheet so that it moves along with the sheet during the heating

operation, a nozzle at the edge of the sheet supported in fixed relation to the heating means, so as to move



along therewith, fluid supply means therefor, and means for controlling the flow of fluid through said supply means.

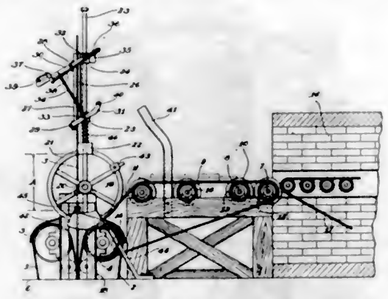
1,587,548. CHICKEN FEEDER. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Manufacturing Co., Fort Atkinson, Wis. Filed Oct. 23, 1922. Serial No. 596,239. 15 Claims. (Cl. 119—53.)



1. A chicken feeder comprising the combination of a feed pan provided with supporting legs, a superposed magazine adapted to feed material progressively into the pan, a feed board supported from the legs outwardly from the tray, and a removable food catching receptacle positioned between the feed board and the pan and having one wall extending upwardly above the pan at a distance therefrom and constituting a baffle for material thrown from the pan.

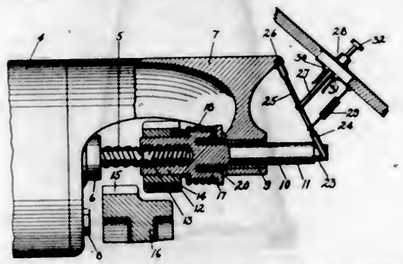
1,587,549. APPARATUS FOR HANDLING GLASS SHEETS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 16, 1924. Serial No. 693,241. 7 Claims. (Cl. 49—17.)

1. The combination with a vertical drawing machine, for drawing a continuous sheet or ribbon of glass, of a driven carrier lying above the machine and extending laterally from the side of the glass sheet emerging from the upper end thereof, a transfer frame pivoted adjacent the level of the carrier between the end of the carrier and the line of draw, so that in one position it extends upwardly along such line of draw in approximate alignment therewith and in its other position it extends laterally overlapping the carrier, so that a glass sheet on the frame is engaged by the carrier, cutting off means for the glass, and clamping and steadying means above such last means movable upward with the sheet and engaging the upper portion thereof before and after the cutting off operation, the said transfer frame being adapted to support the glass sheet cut from the continuous sheet during the movement of such frame from an upright position to a horizontal position.



3. The combination with a vertical drawing machine for drawing a continuous sheet or ribbon of glass, of a driven carrier lying above the machine and extending laterally from the side of the glass sheet emerging from the upper end thereof, a transfer frame pivoted adjacent the level of the carrier between the end of the carrier and the line of draw, so that in one position it extends upwardly along such line of draw in approximate alignment therewith and in its other position it extends laterally overlapping the carrier so that a glass sheet on the frame is engaged by the carrier, cutting off means for the sheet means carried by the frame for supporting a glass sheet (cut from the continuous sheet) upon such frame when in its upright position, and clamping means for the sheet movable upward therewith for supporting it during a portion of its upward travel.

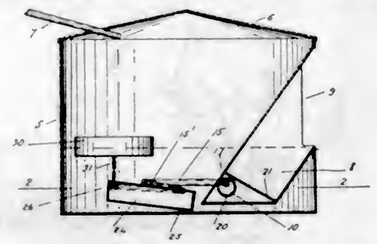
1,587,550. ENGINE STARTER. HOLLY C. PETERSON, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 9, 1920. Serial No. 372,516. 6 Claims. (Cl. 74—7.)



1. In an engine starter, the combination of a rotatable engine member, a driving means therefor; a motor driven shaft; and means for causing said driving means to engage operatively said shaft to transmit the movement from said shaft to said engine member, said shaft and driving means being mounted on separate supports and normally completely disconnected so that the driving means has no contact with or bearing on the shaft.

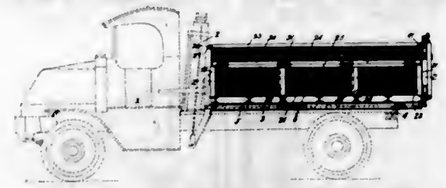
1,587,551. HOG WATERER. REUBEN G. PETERSON, Wessington Springs, S. Dak. Filed Mar. 20, 1925. Serial No. 16,988. 5 Claims. (Cl. 119—78.)

1. In a hog waterer, a supply tank, a drinking trough arranged in the supply tank, a pipe secured in the lower part of the drinking trough with its ends projecting into the supply tank, said pipe having an outlet which communicates with the drinking trough, flexible pipes connected to the projecting ends of the said pipe at one end, an inlet chamber having one end portion connected to the



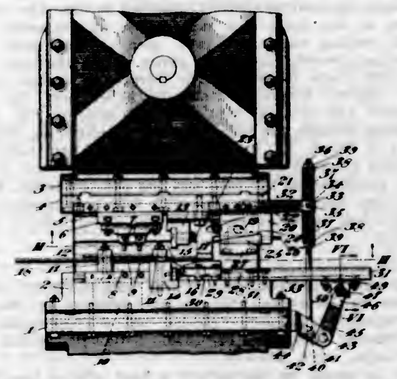
free ends of the flexible pipes and having an inlet opening at its other end, and a float connected to the same end of the inlet chamber as the flexible pipes.

1,587,552. VEHICLE BODY CONSTRUCTION. JACOB H. PRESS, Chicago, Ill., assignor to Jacob Press' Sons, Chicago, Ill. Filed Dec. 11, 1922. Serial No. 606,020. 4 Claims. (Cl. 296—28.)



1. In a body construction adapted for use with a vehicle, a bottom member provided with a slot, a stay member having a lower portion thereof extending downwardly through said slot and below said bottom member, an upright post engaging the bottom member and secured to said stay member, and a side wall connected between the stay member and the post.

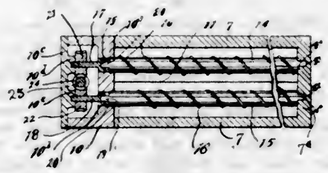
1,587,553. MAKING TIE PLATES. LINDSAY C. PRITNER and LEWIS S. PAUL, Johnstown, Pa. Filed Feb. 17, 1923. Serial No. 619,727. 10 Claims. (Cl. 29—16.)



10. A tie plate machine, comprising a bed portion on which are successively and adjustably mounted one or more punching dies, a bottom shear knife and a cambering die, a reciprocable ram on which is adjustably mounted one or more punches, a top shear knife and a cambering plunger adapted to register with the corresponding parts aforesaid, a stop secured to the machine adapted to

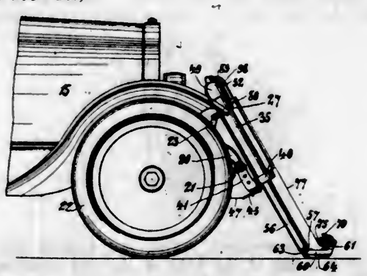
contact with the end to a tie plate bar, stripping means adjacent the punching dies adapted to hold the bar as the punches are withdrawn therefrom, a bracket secured to the reciprocable ram provided with a connecting rod pivoted thereto, a crank arm pivotally secured to said connecting rod, a shaft on which said crank arm is secured, a crank lever fixed on said shaft, the end of which is provided with a pin connecting with a sliding bar, a delivery trough in which said sliding bar is mounted, said sliding bar having an upturned end adapted to contact with the side of a tie plate, whereby, during the operation of the machine, tie plates are punched, sheared, cambered and automatically delivered to and from the cambering apparatus.

1,587,554. WINDSHIELD CLEANER. RAYMOND A. RODRICK, Akron, Ohio, assignor to himself and Clarence W. White, Akron, Ohio. Filed Oct. 1, 1924. Serial No. 741,087. 11 Claims. (Cl. 74—14.)



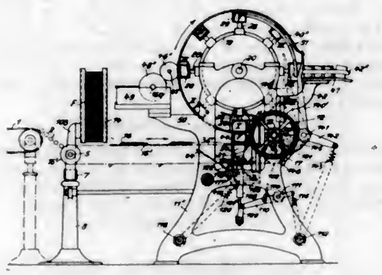
10. In a device of the class described, an elongated casing, a centrally positioned, longitudinally directed ridge projecting upwardly into said casing from the bottom wall thereof, a screw shaft supported by said bottom wall and rotatably mounted in said casing on each side of said ridge; said casing provided in the front and rear walls thereof with longitudinally directed guide channels, a carriage slidably mounted in said channels for movement longitudinally of said casing, a spur on said carriage, said spur shiftable from one of said screws to the other and means to shift said spur, said means operable as the carriage is driven by one of said screws to either end of said casing.

1,587,555. COMBINED BUMPER AND FENDER. LOUIS RONCA and STANISLAO SANTORO, Jersey City, N. J. Filed Feb. 3, 1925. Serial No. 6,549. 3 Claims. (Cl. 293—25.)



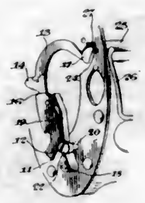
1. The combination of a barrel connected to a vehicle, a movable spring actuated shank extending into the barrel, a bumper associated with the lower end of the shank, a spring actuated roller carried by the bumper, a curtain normally wound around the roller with one end fastened thereto, a cable extending into the barrel with one end fastened to said shank and the other end of the cable in connection with said curtain, the coaction of the elements securing the spreading of the curtain simultaneously in two directions, and means to lock said shank in a predetermined position.

1,587,536. MACHINE FOR WRAPPING UP PIECE GOODS. GUSTAV SCHILBACH, Connstatt, Germany, assignor to the Firm: Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Connstatt, Germany. Filed Aug. 25, 1925, Serial No. 52,376, and in Germany Mar. 28, 1924. 4 Claims. (Cl. 93—7.)



1. In a machine for wrapping up piece goods, particularly cakes of soap, into box-like wrappers, in combination, a travelling conveyor element for transporting the pieces to be wrapped up, a travelling conveyor element for transporting the wrappers, stops for arresting the pieces and wrappers, means for raising said pieces and wrappers, two rotary conveyor devices located above said travelling conveyor elements, and adapted to rotate simultaneously and at the same speed, an equal number of aligned carriers upon said rotary conveyor devices and into which the pieces to be wrapped up and the wrappers are pushed up by said raising devices, means for displacing the pieces to be wrapped up from the carrier of their rotary conveyor into the wrappers located oppositely in the carrier of the other rotary conveyor device, means for effecting the closure of the packages on said second rotary conveyor device and means for effecting the removal of the finished packages from said second conveyor device.

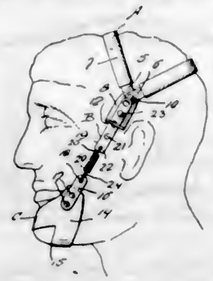
1,587,537. ANTIBACKLASH REEL. WILLIAM SCHMID, Coldwater, Mich. Filed Aug. 24, 1925. Serial No. 51,932. 10 Claims. (Cl. 242—84.5.)



1. In an anti-backlash fishing reel wherein the pressure of a spring in the head of the reel is utilized as a force for retarding the action of the reel,—means having a screw portion in the head of the reel adapted for increasing the pressure of the spring, said means including a tapered member in engagement with said spring and adapted to be adjusted relative thereto.

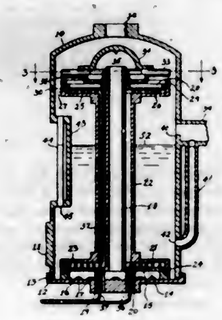
1,587,558. JAW BRACING AND SETTING APPLIANCE. ELSIE H. SHEFFIELD, Hartford, Ky. Filed Aug. 28, 1925. Serial No. 53,109. 3 Claims. (Cl. 128—164.)

3. In appliance of the class described, including, in combination, a head gear, a pair of plates pivoted to the head gear, lugs projecting from the plates, extensions projecting from the plates and provided with slots,



apertured bars extending through the slots and engageable with the lugs, springs engaged with the bars, and a chin engaging element attached to the springs.

1,587,559. ELECTRIC HEATER. LEO SHUMAN, Spokane, Wash. Filed July 27, 1925. Serial No. 46,191. 3 Claims. (Cl. 219—39.)

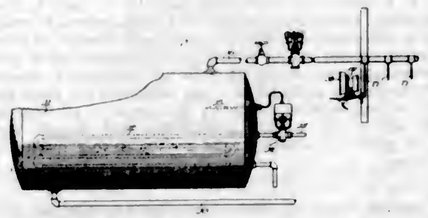


3. An electric heater comprising a boiler, an electric heating element mounted in the bottom thereof, a cavity beneath the heating element, openings between the water area of the boiler and said cavity, an enclosure for said heating element, a tube, open at both ends, extending upwardly from said cavity within the boiler to a point above the water area thereof, an electric heating element mounted within the boiler near the top thereof and adjacent said tube, an enclosure for said heating element, the upper covering thereof being formed into a basin, an annular distributing pan mounted around the tube above the basin, a cap over and above the upper end of the tube and the pan, connected with the pan, electric connections with said heating elements and steam outlet and liquid return connections to said boiler.

1,587,560. HUMIDITY-CONTROL APPARATUS. MORTON O. SNEDIKER, Chicago, Ill., assignor to Powers Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 83,025. 6 Claims. (Cl. 236—44.)

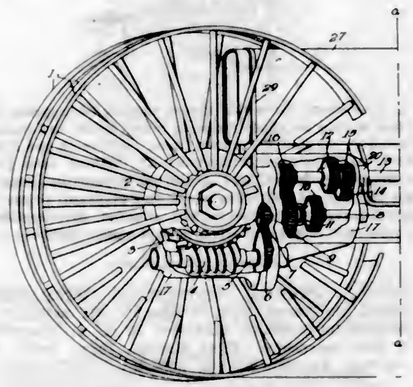
1. In means for maintaining a fixed relative humidity within a space, the combination of means for supplying water at a constant temperature, means for discharging water in a finely divided condition into the said space, a valve for controlling the quantity of water discharged, means affected by the heat within the space for exerting a force and effecting a movement of the said valve, and means actuated by the pressure of water after

passing the valve for exerting a force that will oppose and balance said heat-developed force and arrest the movement of the valve at a point where the pressure of



water on the discharge side of the valve is that required to effect the delivery of a quantity of water equal to that required for a specified humidity within the said space.

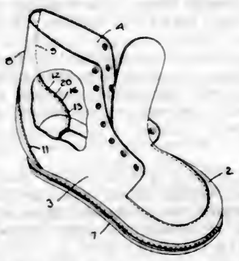
1,587,561. TRACTOR. LAWRENCE Y. SPEAR, New London, Conn. Filed Sept. 2, 1922. Serial No. 585,865. 3 Claims. (Cl. 180—54.)



1. In a vehicle of the class described, a drive axle, a pair of relatively large drive wheels spaced relatively close together on said axle, a worm wheel on the axle between said drive wheels, a worm shaft arranged longitudinally of the vehicle between the drive wheels and having a driving worm meshing with the worm wheel to transmit the driving effort of the worm shaft to the drive axle, a driving shaft and an intermediate shaft superposed above the worm shaft and above one another and both arranged longitudinally of the vehicle to minimize the lateral space required, the worm and intermediate shafts having a spur pinion of relatively small diameter and a spur gear of relatively large diameter cooperating to transmit the driving effort of the intermediate shaft to the driving worm, and change speed gears connecting the longitudinally arranged and superposed driving and intermediate shafts.

1,587,562. SHOE HAVING AN ANKLE STIFFENER. JOHN E. SWANSON, Jamaica Plain, Mass. Filed Aug. 5, 1924. Serial No. 730,173. 3 Claims. (Cl. 36—71.)

1. A shoe comprising a sole and an upper to embrace the ankle having quarters over-lapped at their rear ends and secured together to provide a pocket extending upwardly from the central rear portion of the heel, and a stiffening member located within said pocket which is

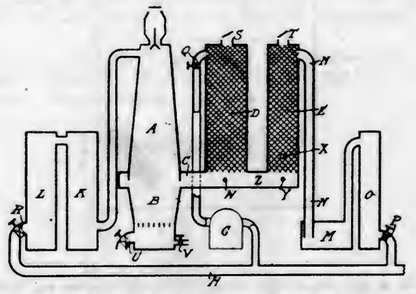


flexible in the direction of the longitudinal axis of the shoe, but substantially inflexible in directions normal to said longitudinal axis.

1,587,563. GARMENT SUPPORT. JOHN SWINLAND, Duluth, Minn. Filed June 9, 1925. Serial No. 35,840. 2 Claims. (Cl. 24—73.)

2. A garment support comprising a depending member having an opening at the lower end portion thereof and adapted to be positioned inwardly of a garment, another member adapted to be placed outwardly of the garment and opposite the lower end portion of the depending member, an inwardly projecting member rigidly secured to said outer member for engagement with said garment in said opening, and means on said outer member for suspending another garment thereon.

1,587,564. PROCESS OF THE MANUFACTURE OF GAS. MORRIS WILLIAM TRAVERS, London, and FRANK WILLIAM CLARK, Lymm, England, assignors to Regenerative Coal Gasification System, Limited, Manchester, England. Filed June 12, 1924, Serial No. 719,585, and in Great Britain June 29, 1923. 4 Claims. (Cl. 48—200.)

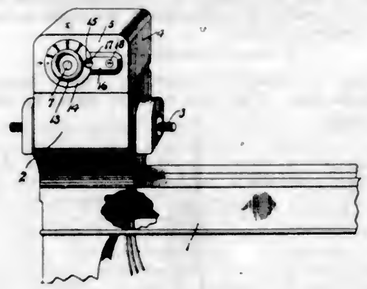


1. A process for the manufacture of gas which consists in blowing air through hot coke, the blow gases thereby produced being caused to pass through a regenerator, blowing steam through the incandescent coke, passing the water gas thereby produced through coal, forcing some of the mixed water and coal gas thereby produced through the regenerator, passing some of the gas thus heated in the regenerator directly through the coal, and enriching the remainder of such heated gas by oil.

1,587,565. COMPOUND FOR PREVENTING AND REMOVING CARBON IN INTERNAL-COMBUSTION ENGINES. HAROLD UPTON, Minneapolis, Minn. Filed Oct. 19, 1922. Serial No. 595,680. 2 Claims. (Cl. 87—5.)

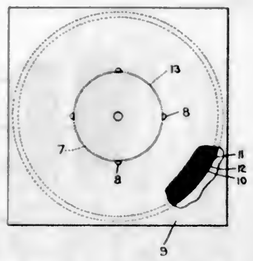
1. A carbon remover composition for the purpose described comprising by weight more than sixty per cent of methyl alcohol, less than fifteen per cent of water and relatively small amounts of potassium chlorate and sodium chloride.

1,587,566. ELECTRIC-MOTOR UNIT. HOWARD B. TUTHILL, Grand Rapids, Mich., assignor to Oliver Machinery Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Mar. 29, 1926. Serial No. 98,159. 7 Claims. (Cl. 172—179.)



1. In combination, with a motor and its housing, of a motor control drum mounted adjacent the housing of the motor, and a low voltage release switch mounted adjacent the drum, and a cover enclosing said drum and switch and attached to the motor housing, said motor and its control drum and the said switch with the housings therefor comprising a unit having all connecting wires between the same enclosed.

1,587,567. MARKING-TICKET BOLT. GUSTAF ALBIN WALLIN, Flushing, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1922. Serial No. 587,694. 6 Claims. (Cl. 206—59.)

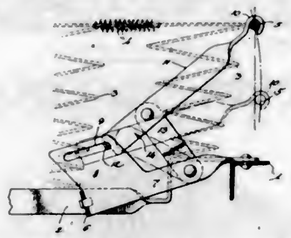


2. A pin ticket bolt comprising a continuous pin ticket strip divided by weakened lines into a series of similarly shaped pin tickets provided with penetrating members projecting from one edge of the strip in substantial parallelism with the tickets, said strip being coiled upon a reel having heads located respectively adjacent to and guarding the points of said penetrating members and adjacent to the other edge of the coiled strip and means acting to prevent uncoiling of the strip and movement of said heads toward each other.

1,587,568. LUBRICATION. WILLIAM E. WATKINS, New York; N. Y., assignor to Copper Plate Sheet & Tube Company, Elizabeth N. J., a Corporation of New Jersey. Filed Oct. 1, 1921. Serial No. 504,767. 4 Claims. (Cl. 87—9.)

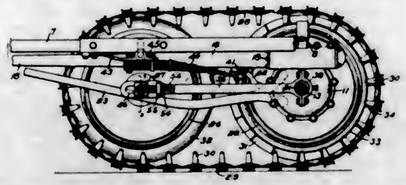
1. A method of lubricating parts to be used in non-oxidizing atmospheres at or above temperatures at which in a non-oxidizing atmosphere the carbonization of lubricating mineral oils is substantially complete, which comprises applying to the parts to be lubricated a mineral oil having an asphaltic base and subjecting the parts and oil to temperatures sufficiently high to drive off from the oil all of its volatile constituents and deposit upon said parts an adherent solid residue having lubricating values.

1,587,569. SIDE-THRUST SUPPORT FOR SPRING BED BOTTOMS. SAMUEL WEISSMAN and RALPH WEISMAN, Detroit, Mich. Filed Nov. 19, 1923. Serial No. 675,600. 2 Claims. (Cl. 5—262.)



1. An element for a side thrust support of a spring bed bottom having an upper frame, a lower frame and linkage adapted to support the upper frame relative to the lower frame;—said element comprising an inclined base piece on the lower frame, and a slotted supporting member rigid relative to said base piece and disposed at an obtuse angle relative thereto and adapted to operatively support said linkage relative to said upper frame.

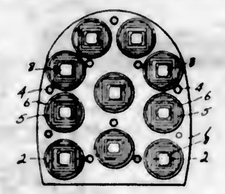
1,587,570. VEHICLE PROPELLING MECHANISM. VIRGIL D. WHITE, West Ossipee, N. H., assignor to Snowmobile Company, Rochester, N. H., a Corporation of New Hampshire. Filed May 20, 1924. Serial No. 714,576. 21 Claims. (Cl. 305—3.)



18. In a motor vehicle, the combination of an axle, a pair of load-sustaining driving wheels carried by said axle, a pair of auxiliary load-sustaining wheels, driving connections between said driving wheels and said auxiliary wheels, load-supporting means supported by and connecting said driving wheels and said auxiliary wheels and maintaining them in definitely spaced relationship, a load-supporting frame, and cushioning means interposed between said load-supporting frame and said load-supporting means and supporting the former on the latter.

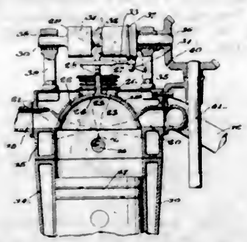
1,587,571. RUBBER HEEL FOR SHOES. HARRY S. WILLIS, Philadelphia, Pa. Filed Oct. 31, 1922. Serial No. 598,071. 3 Claims. (Cl. 36—59.)

1. In heel of the character described, a body section having internally threaded recesses therein, a series of externally threaded cushion plugs screwed into said recesses, a tread section formed with each of the plugs, a beveled shoulder formed with the tread section, said



shoulder seating in a countersink in the body and a vacuum cup formed in each of the plugs each of said cups being in such shape as to serve as a key socket.

1,587,572. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 23, 1924. Serial No. 694,529. 9 Claims. (Cl. 123—190.)

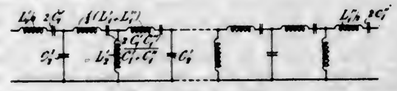


1. In an internal combustion engine, the combination of a valve, means to oscillate said valve for its control movements, and means for giving said valve a secondary movement for preventing scoring of the valve.

1,587,573. APPARATUS FOR HANDLING MATERIALS. CLARENCE H. YOUNG, Boston, Mass. Filed Mar. 21, 1924. Serial No. 700,823. 15 Claims. (Cl. 34—17.)

1. In drying apparatus, the combination of frames spaced apart by spacing members located at each corner of said frame and cooperating with triangularly arranged abutments located at each corner of said frames to prevent relative shifting of said frames.

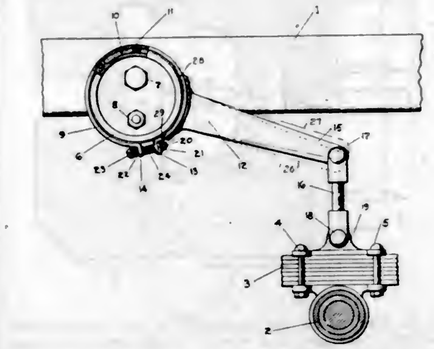
1,587,574. DOUBLY-PERIODIC WAVE FILTER. OTTO J. ZOBEL, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,966. 8 Claims. (Cl. 178—44.)



1. A selective circuit for selectively transmitting a band of frequencies comprising a plurality of similar sections,

each section consisting of two part sections and each part section being made up of two impedance elements, one in series and one in shunt, one of said impedances being a combination of inductance and capacity in both part sections, the other impedance element being a capacity in the case of one part section and an inductance in the case of the other part section, the said part sections of each kind being so designed that a complete selective circuit of only one such kind will have the same critical frequencies as a complete selective circuit of the other kind.

1,587,575. VEHICLE SHOCK ABSORBER. HORACE R. ALLEN and CHARLES E. PEARSON, Indianapolis, Ind., assignors of one-third to Joseph J. Martin, Indianapolis, Ind. Filed Dec. 31, 1923. Serial No. 683,797. 4 Claims. (Cl. 188—130.)



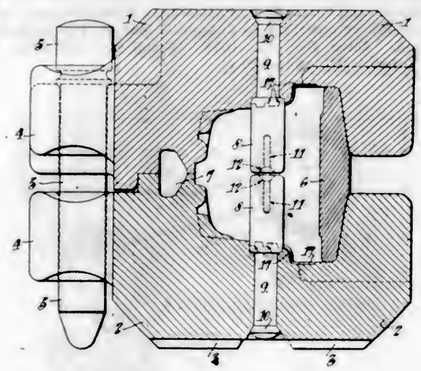
1. In shock absorbing devices for vehicles, in which the movements of running gear springs are restricted by frictional cylinder means connected between the vehicle chassis frame and the corresponding axle means, of a cylinder secured to said chassis frame; a flexible band means frictionally encircling said cylinder; a lever means connecting said axle means to said band means whereby the movements of said axle will buckle said band means into closer frictional contact with said cylinder; lugs formed on the terminations of said band means; a bolt passing thru said lugs; a spring interposed between the head of said bolt and the adjacent lug; tending to close said band means; a spring means interposed between said lugs serving to counteract the first mentioned spring means and threaded means whereby said bolt may be adjusted in said lugs to vary the effect of said springs.

1,587,576. GARMENT. MORRIS W. BECK, Dorchester, Mass. Filed Jan. 30, 1923. Serial No. 615,944. 1 Claim. (Cl. 2—224.)

A garment formed of woven material comprising leg and body portions having warp threads running longi-

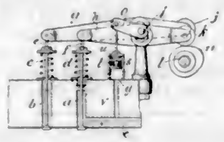
tudinally of the garment to permit lateral stretching, each of the leg portions being provided with a recess, and a substantially heart shaped crotch insert arranged in each of said recesses, the warp threads of said inserts being arranged diagonally to permit longitudinal stretching thereof.

1,587,577. TIRE MOLD. WILLIAM J. BEITEL, Barberton, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed June 13, 1925. Serial No. 36,983. 5 Claims. (Cl. 18—42.)



1. In tire molds, the combination of two half-mold members, transverse pins secured to said members, those of one member adapted to oppose those of the other member, said pins being of such length as to leave a relatively small space throughout the opposed ends when the mold-halves are fully closed, substantially as shown and described.

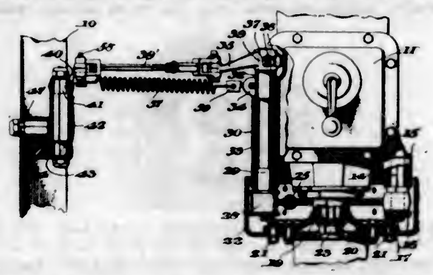
1,587,578. DIESEL MOTOR. HANS HENRIK BLACHE, Copenhagen, Denmark. Filed Nov. 28, 1919, Serial No. 341,230, and in Denmark Feb. 9, 1918. 11 Claims. (Cl. 60—16.)



1. In a Diesel engine, the combination, with a cylinder, separate starting and fuel valves therefor, and an operating lever for each valve; of a cam shaft; a pair of cams thereon, one for each lever; a rotatable supporting shaft having two eccentric portions in mutually-displaced relation, each forming a fulcrum for one of said levers and means controlled by the starting air supplied to the engine for automatically shifting the rotatable supporting shaft from one position to another so as to simultaneously move one lever into, and the other lever out of, operative position with relation to their respective cams.

1,587,579. MOTOR VEHICLE. HAROLD D. CHURCH, Fairfield, Conn., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 10, 1920. Serial No. 395,274. 17 Claims. (Cl. 188—78.)

1. Brake mechanism including a brake drum, a plurality of expansible brake members adapted to engage said drum, actuating means engaging said brake members, means for operating said actuating means, and shiftable

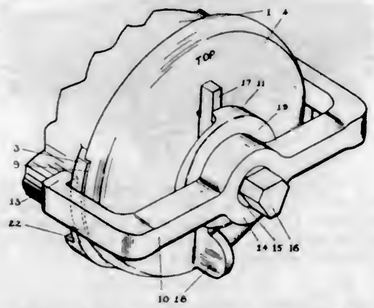


means for supporting the actuating means independently of the operating means to adjust the brake members with respect to the drum.

1,587,580. GAME PIECE. VERNET R. DUTTON, Bristol, Conn., assignor to The New Departure Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed July 30, 1921. Serial No. 488,530. 5 Claims. (Cl. 273—146.)

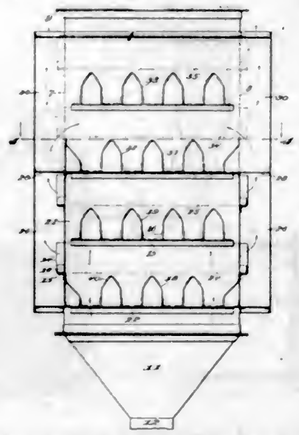
1. A die having a series of substantially flat faces extending around its body and meeting end to end, and a curved supporting surface at the side of said series of faces, and meeting all the faces in said series, said surface supporting the die for rolling movement.

1,587,581. CLEAN-OUT CAP AND MEANS FOR LOCKING SAME. CHARLES C. FRAUTZ, Geneva, N. Y., assignor to Andes Range and Furnace Corp., Geneva, N. Y., a Corporation of New York. Filed May 25, 1925. Serial No. 32,608. 3 Claims. (Cl. 220—57.)



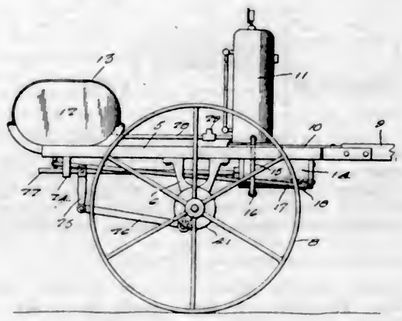
1. In a clean out cap and locking means therefor, the combination of a yoke, means for anchoring said yoke to the end of a radiator, a rotating cam carried by said yoke, said rotating cam comprising a disc, a pair of concentrically inclined cam surfaces on one side of said disc in series with each other, a pivot stem on said disc on the opposite side to said cam surfaces, said stem being mounted to rotate centrally of said yoke, a ridge formed on said disc, each of said inclined cam surfaces being adapted to engage with said ridge and force said disc away from said yoke and against the end of the radiator to which said yoke is anchored.

1,587,582. APPARATUS FOR DRYING MATERIAL. GEORGE A. GALLOWAY, Chicago, Ill., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed Sept. 11, 1925. Serial No. 55,671. 8 Claims. (Cl. 34—34.)



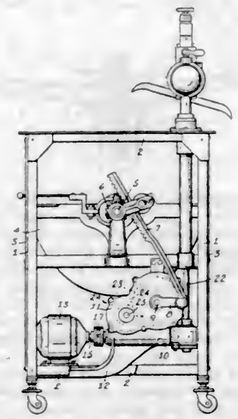
1. An apparatus for drying loose material comprising a plurality of horizontal tiers of staggered supply ducts and a plurality of horizontal tiers of staggered collecting ducts alternating with the tiers of supply ducts and arranged at substantially right angles thereto, each duct having an open bottom, an air inlet chamber for admitting air to the lower supply ducts, and passages connecting collecting ducts with upper supply ducts whereby the air is caused to pass serially through supply and collecting ducts in a general upward direction, and means for admitting the loose material to pass by gravity over the successive tiers.

1,587,583. SPRAYER. RICHARD GARLAND, Junction City, Kans. Filed Apr. 11, 1925. Serial No. 22,365. 1 Claim. (Cl. 299—46.)



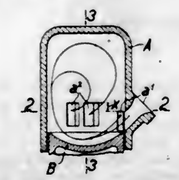
In a device of the class described, a wheeled structure of the type wherein two wheels are utilized having their axes aligned transversely under an intermediate portion of the structure, a crank shaft fixed to rotate with the wheels and constituting the axle of the wheeled structure, a connecting rod engaged with the crank of the shaft, a pump suspended below the forward end of the wheeled structure, a piston in the pump, a piston rod extending from the piston, a bracket depending from the rear portion of the wheeled structure, said piston rod being slidable through said bracket, a rigid arm depending from the piston rod and engaged with the connecting rod, a pair of tanks on the wheeled structure, one at the forward end thereof, and one at the rear end thereof, means connecting the tanks with the pump in order that fluid may be passed from one to the other and put under pressure in said other, and a pipe connecting the two tanks and having a check safety valve therein for allowing passage of liquid from the tank to which the fluid is forced by the pump when the pressure becomes excessive therein.

1,587,584. GEARING FOR WASHING MACHINES. LEON GSCHWIND, Youngstown, Ohio, assignor to The Holland Maid Company, Holland, Mich., a Corporation of Michigan. Filed Mar. 7, 1924. Serial No. 697,618. 4 Claims. (Cl. 74—7.)



1. In a structure of the class described, the combination of a horizontally disposed driven shaft, a vertically disposed driven shaft, a driven gear on said horizontally disposed driven shaft, a driving rack coacting with said gear, a gear box provided with a projecting arm, a driving shaft disposed horizontally at the bottom of said gear box and projecting from said gear box above said arm, a motor mounted on said arm and having a flexible joint connection to said driving shaft, a pair of driving worms on said driving shaft, a horizontally disposed worm gear meshing with one of said driving worms and having a driving connection to said vertically disposed driven shaft, a crank shaft projecting from said gear box and provided with a crank at the outside of the gear box, said crank being connected to said rack, a gear on said crank shaft, and a pair of connected transmission gears, one of which meshes with the second driving worm and the other with said crank shaft gear.

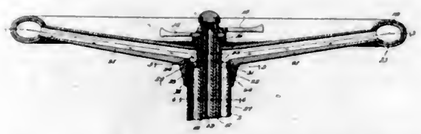
1,587,585. SCAVENGING INTERNAL-COMBUSTION ENGINES. ASMUS HANSEN, Berlin-Dahlem, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Filed July 19, 1924, Serial No. 727,055, and in Germany July 20, 1923. 5 Claims. (Cl. 123—65.)



4. In an internal combustion engine cylinder, a cover therefor and a piston therein, a downwardly directed

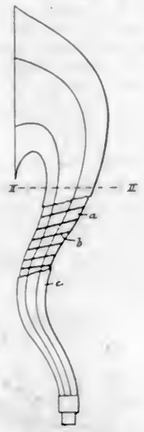
inlet port in said cylinder for a scavenging medium, under pressure, outlet ports in said cylinder circumferentially spaced from said inlet port at either side thereof, whereby the scavenging medium upon introduction into said cylinder is deflected from the upper face of said piston to the wall of the cylinder opposite said inlet port, thence to the cylinder cover, thence to the cylinder wall above said inlet port, and thence in a bifurcated current straddling the incoming current toward the outlet ports, whereby the burned gases are expelled through the latter in directions obtuse relative to the direction of the incoming current.

1,587,586. HEATED STEERING WHEEL. HOMER HOLLIS and CLARENCE B. JONAS, Oklahoma City, Okla. Filed Oct. 21, 1925. Serial No. 63,942. 2 Claims. (Cl. 287—12.3.)



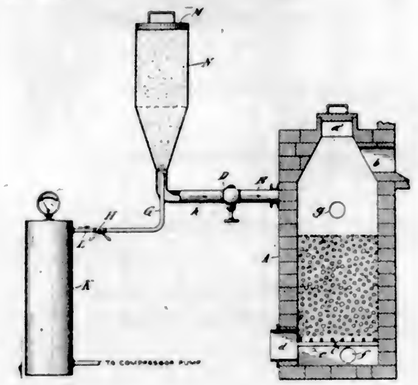
1. In a steering apparatus, a tubular post constituting a conduit for a heating medium and provided with an outlet, a steering shaft extending through said post, a head at the upper end of said post disposed about said shaft and formed with passages at opposite sides of the shaft, one of said passages communicating with the interior of said post, a conduit for the heating medium having its upper end registering with the other passage of said head, and a steering wheel including a hub rotatably fitted upon the upper end of said post and secured to said shaft and formed with circumferentially spaced passages to register with the passages of said head, a hollow rim, and spokes connecting the rim with said hub, certain of said spokes being hollow and communicating with the hollow rim and passages of said hub.

1,587,587. SOUND FUNNEL FOR RADIOTELEPHONY OR OTHER SOUND REPRODUCTION. GEORG KARLO VILLY JÖRGENSEN, Copenhagen, Denmark. Filed Jan. 27, 1925, Serial No. 5,024, and in Denmark Dec. 2, 1924. 2 Claims. (Cl. 181—27.)



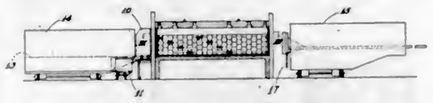
1. Sound-funnel for radiotelephony and other sound reproduction, comprising an inner and an outer layer of wood, metal wire wrapped around said inner layer, and means for connecting said outer layer to the inner layer.

1,587,588. MANUFACTURE OF GAS. GUSTAV HENRY KAEMMERLING, Allentown, and HENRY WALLACE BENNER, Bethlehem, Pa., assignors to Fuller Lehigh Company, Fullerton, Pa., a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,270. 8 Claims. (Cl. 48—202.)



1. A method of manufacturing mixed coal and water gas in a generator having a fuel bed, which comprises subjecting the fuel bed to alternate air and steam blasting, injecting pulverized bituminous coal into the generator above the fuel bed as steam is being forced through the fuel bed from beneath, enriching the water gas arising from the fuel bed and resulting from the passage of the steam therethrough by the distillation of the pulverized fuel maintained in suspension by the upward current of water gas, and continuously maintaining the fuel bed at a substantially constant level by the down-falling carbonized residue of the pulverized coal.

1,587,589. APPARATUS FOR COKING COAL. ROBERT B. KERNOHAN, Pittsburgh, Pa. Filed Aug. 12, 1922. Serial No. 581,296. 8 Claims. (Cl. 202—9.)

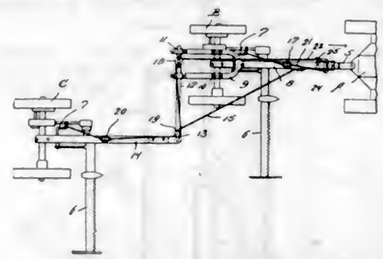


1. A core for dividing a horizontal coke oven into narrow vertical coking chambers, said core comprising a plurality of segments provided at their opposite sides with means for connecting adjacent segments to each other, said connecting means permitting independent movements of the segments with relation to each other.

1,587,590. PISTON RING. CARL W. KNIGHT, Tiffin, Ohio. Filed Nov. 17, 1925. Serial No. 69,648. 2 Claims. (Cl. 24—109.)

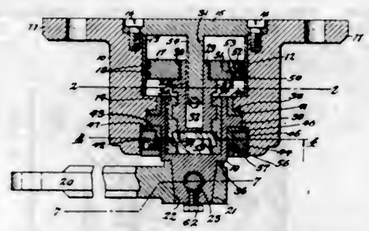
1. A piston ring provided with a circumferential groove forming flanges, one flange having notches in its edge, and the edge of that flange being inwardly beveled, the ring being provided with circumferentially spaced openings, communicating with the groove, the circumferential walls of the openings converging inwardly to the inner surface of the ring.

1,587,591. MOWER ATTACHMENT. EDMUND KOCOUREK, Hazen, Ark. Filed Sept. 4, 1925. Serial No. 54,502. 2 Claims. (Cl. 56—6.)



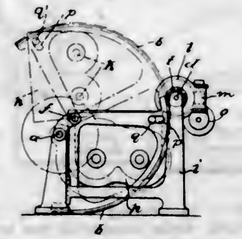
1. In combination, a mower including a draw bar, a yoke having its intermediate portion rigidly fixed to the draw bar and extending rearwardly therefrom, a transverse draw bar rigidly attached to the extremities of the yoke, a second mower including a draw bar pivotally engaged with the extremity of the transverse draw bar.

1,587,592. SHOCK ABSORBER. EDWARD J. KOLODZIEJ, Buffalo, N. Y. Filed Dec. 5, 1925. Serial No. 73,333. 11 Claims. (Cl. 188—89.)



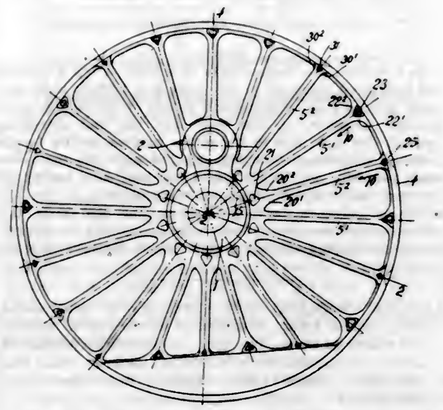
1. A shock absorber for cushioning two relatively movable parts, comprising a cylinder adapted to be mounted on one of said parts and provided with a stationary rear head, a non-circular post projecting forwardly from said head, a piston movable lengthwise in said cylinder, a piston rod projecting forwardly from said piston and having a non-circular recess which receives said post and also provided with a nexternal screw thread, and a tubular rock shaft journaled on the front end of said cylinder and adapted to be operatively connected with the other relatively movable part and provided with an internal screw thread engaging with the external thread of said piston rod.

1,587,593. DEVICE FOR TIPPING VESSELS. ALBERT LASCH and HEINRICH KIRCHER, Cannstatt, Germany, assignors to the Firm: Cannstatter Misch- & Knetmaschinenfabrik, Cannstatter Dampfbackofenfabrik Werner & Pfleiderer, Cannstatt, Germany. Filed Sept. 19, 1924, Serial No. 738,697, and in Germany July 26, 1923. 6 Claims. (Cl. 214—130.)



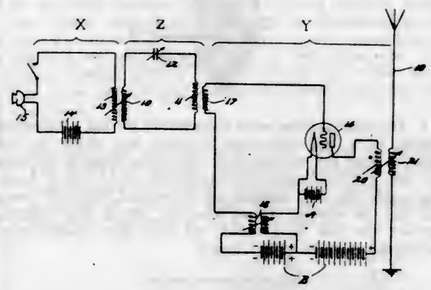
1. Tipping mechanism for mixing machines comprising a machine frame, a trough supported in said frame for rotation about a horizontal axis, a segment whose centre point is located at a higher level than the pivotal axis of said trough, and a connection between said segment and said trough, whereby said trough is caused to follow the rotary movement of said segment.

1,587,594. WHEEL FOR LOCOMOTIVES AND OTHER PURPOSES. NESTOR LEONARD, Feignies, France. Filed Aug. 18, 1925, Serial No. 51,025, and in France Mar. 5, 1925. 3 Claims. (Cl. 295—2.)



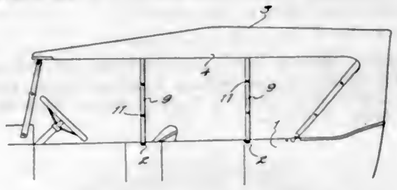
1. In a cast metal wheel for locomotives and similar purposes, the combination of a hub, a rim concentric with said hub, a series of spokes attached to said hub and rim, a second series of spokes attached to said rim and to the spokes of said first mentioned series of spokes, each spoke of said second mentioned series being attached to two adjoining spokes of said first mentioned series, thus reducing the number of points of attachment of said spokes to said hub.

1,587,595. TELEPHONY. FRITZ LOWENSTEIN, Brooklyn, N. Y.; John C. Wait, administrator of said Fritz Lowenstein, deceased, assignor, by mesne assignments, to Radio Patents Corporation, a Domestic Corporation. Filed Nov. 5, 1920. Serial No. 422,035. 10 Claims. (Cl. 250—6.)



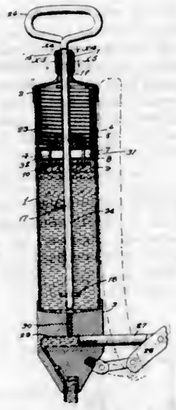
7. The method of telephonic communication which comprises setting up audio frequencies in a telephone circuit, selectively amplifying and transmitting, to a distant station, oscillations of the higher audio frequencies thus set up in preference to oscillations of the lower audio frequencies, receiving said oscillations of higher audio frequencies and combining the higher audio frequencies thus received with lower audio frequencies for the normal reproduction of sound.

1,587,596. AUTOMOBILE CURTAIN-FASTENING MEANS. JOHN MCCULLOUGH, Peace Dale, R. I. Filed Apr. 23, 1924. Serial No. 708,529. 1 Claim. (Cl. 296—138.)



In a vehicle, the combination of a body, a top a curtain rod apertured adjacent to its ends and having male fastener members at intermediate points of its length, male fastener members on the body and top and extending through the apertures in the rod, a curtain having female fastener members detachably engaged with the male fastener members on the body and rod and also having an aperture receiving the male fastener member on the top, a female fastener member receiving the said male fastener member on the top, and a tape attached to the curtain and carrying the last-named female fastener member.

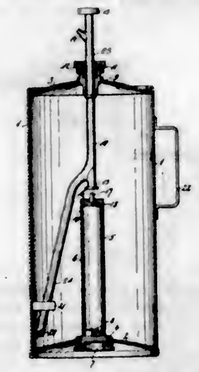
1,587,597. GREASE GUN. WILLIAM J. MACLELLAN, Long Beach, Calif., assignor of one-fourth to himself, one-fourth to G. W. Fournier, one-fourth to William M. Land, and one-fourth to Joseph H. Rogers. Filed Mar. 15, 1926. Serial No. 94,819. 6 Claims. (Cl. 221—47.3.)



4. The combination with a container having a threaded nipple, of a rod extending through the nipple, a nut screwed onto the nipple; said rod being slidable through the nut and non-rotatable relative thereto; and a bushing inside the nut adapted to be wedged together when the nut is screwed home, thus to clamp the bushing against the rod to prevent the rod from longitudinal movement relative to the nipple.

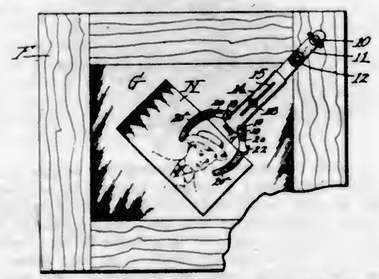
1,587,598. HAND FIRE EXTINGUISHER. WOLFGANG MAGG, Vienna, Austria. Filed Feb. 21, 1924, Serial No. 694,332, and in Austria Mar. 28, 1923. 3 Claims. (Cl. 169—32.)

1. A hand fire extinguisher comprising a liquid receptacle, a frangible acid vessel in said liquid receptacle, a cylinder for said acid vessel, a plate upon the upper end of the acid vessel, a projection on said plate, a perforation in the cylinder for the passage of said projection, a centrally disposed discharge pipe, said pipe being longitudinally movable, and an extension on the pipe adapted



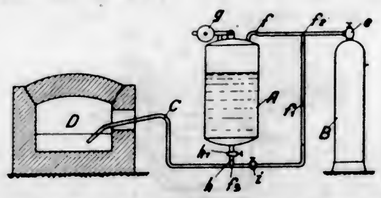
when the pipe is forced inwards to contact with the projection on the plate upon the upper end of the acid vessel and cause the vessel to be fractured.

1,587,599. NEGATIVE HOLDER FOR RETOUCHING PURPOSES. KAZAR S. MELIKIAN, Worcester, Mass. Filed Aug. 11, 1925. Serial No. 49,573. 7 Claims. (Cl. 95—102.)



1. As an article of manufacture, a holder for a flat article comprising an arm pivoted at one end and having a double ogee curve near that end, with a flat surface beyond the pivot, means for holding the arm down at the flat part, and means carried at the free end of said arm for engaging a flat article and holding it and pivoted to the arm on an axis parallel with the pivot on which the arm is mounted.

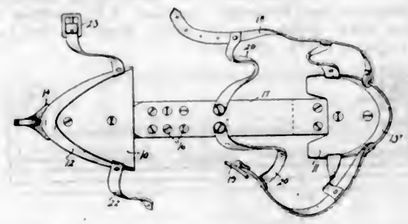
1,587,600. METHOD OF INTRODUCING ADDITIONAL AGENTS INTO METALLURGICAL BATHS. OTTO NIELSEN, Ilsenburg, Germany. Filed Dec. 4, 1924. Serial No. 753,040, and in Germany Dec. 4, 1923. 1 Claim. (Cl. 75—62.)



The method of introducing a refining agent into a metallurgical bath, which consists in first introducing an inert gas into the bath, for the purpose of removing the air contained in the conduits to the bath and for cooling

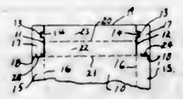
the orifice of the pipe supplying the refining agents to said bath, and thereupon introducing into said buth the reducing agents in liquid, gaseous or solid condition substantially as described and for the purpose set forth.

1,587,601. SKATE. ANDREW PALINKAS, Lakewood, Ohio. Filed Feb. 6, 1925. Serial No. 7,356. 1 Claim. (Cl. 208—167.)



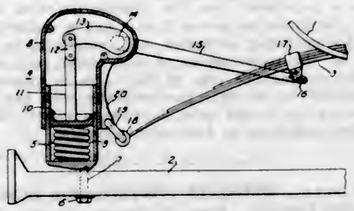
A skate comprising a toe section, a runner included in and extending rearwardly thereof, a heel section, a runner included in and extending forwardly of the heel section, a strap of flexible material having its opposite ends secured to the extension of the toe and heel sections to connect said sections and attaching means for the sections.

1,587,602. COVER FOR PAPER CADDIES. HARRY PLAUTZ, Milwaukee, Wis., assignor to Hummel & Downing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 19, 1923. Serial No. 675,621. 5 Claims. (Cl. 225—34.)



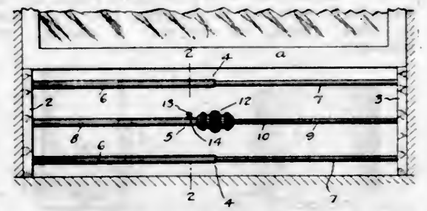
1. As a new article of manufacture, a blank for forming a container cover, consisting of a piece of material of unbroken rectangular shape and having corner slits to permit the portions of said blank adjacent the edges to be folded at right angles to the plane of the blank to form side and end flanges for ssid blank, said corner slits having angularly cut parts forming tongues thereadjacent, and said sides having slots positioned in alinement with the innermost lines of fold of the end flanges to receive said tongues to hold the side and end flanges together all of said tongues and slots being within the edges of the blank.

1,587,603. RESILIENT SYSTEM. EDWARD E. ROSS, Wilkinsburg, Pa. Filed Sept. 12, 1922. Serial No. 587,664. 9 Claims. (Cl. 267—17.)



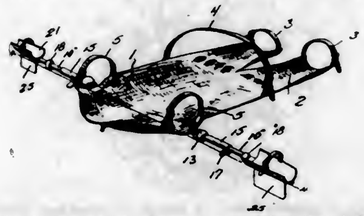
1. A resilient control device comprising a cylinder, a resilient member disposed therein, a second cylinder telescopically associated with the first-named cylinder, a lever having one part mechanically associated with said second cylinder and another part with said resilient member, a second resilient member, means for connecting one end of said second resilient member to said telescoping cylinder, and means for independently connecting a relatively stiff portion of said second resilient member to one end of said lever.

1,587,604. WINDOW GUARD. MAX SCHLING, New York, N. Y. Filed Apr. 29, 1925, Serial No. 26,611. Renewed Apr. 20, 1926. 1 Claim. (Cl. 20—71.)



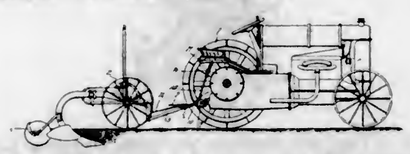
A window guard comprising vertical side pieces, a plurality of extensible cross-bars between said side pieces, one of said cross-bars consisting of a tube connected to one of the side pieces and a screw-threaded rod connected to the other side piece and entering said tube, a thrust nut on said rod to bear against the end of said tube, said screw-threaded rod having a longitudinal groove, and a set-screw carried by the tube to lock the parts independently of said nut, said set-screw likewise cooperating with said groove to hold the parts against relative turning.

1,587,605. SWIMMING APPARATUS. ROBERT H. SCROGGINS, Oakmont, Upper Darby, Pa. Filed Oct. 23, 1925. Serial No. 64,356. 8 Claims. (Cl. 9—21.)



6. A swimming appliance comprising an inflatable body of water proof material having means for strapping the same on the person of a user, oppositely extending arms rigidly but removably secured to the sides of the body adjacent to the front end thereof, each of said arms comprising a plurality of telescopically associated sections and ball and socket joints connecting said sections, an arm rest on each of the outer arm extensions, means thereon for strapping the same around the wrist of the user and a swingable propeller below each rest.

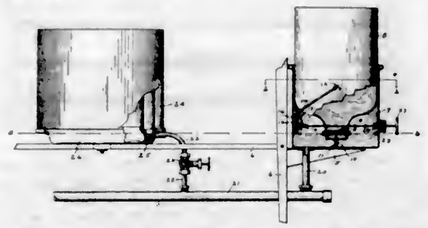
1,587,606. RELEASABLE HITCH. JOHN P. SEAHOLM and HENRY P. CORBIN, Moline, Ill., assignors, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Sept. 16, 1922. Serial No. 588,686. 13 Claims. (Cl. 180—14.)



1. A releasable hitch for tractors having a member for attachment to a tractor, a member for attachment to a device to be drawn, said members being positioned adjacent one another in frictional engagement with each

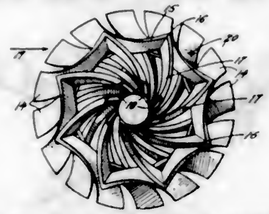
other, clamping means for clamping the members together in frictional engagement, said means having a single operating lever for quickly varying the pressure of the clamping means on the members to vary the degree of frictional engagement to vary the force required to cause said members to move relative to one another.

1,587,607. MEANS OF CONTROLLING FUEL LEVEL. MAURICE C. SHELTON, Indianapolis, Ind. Filed Sept. 19, 1924. Serial No. 738,665. 3 Claims. (Cl. 158—42.)



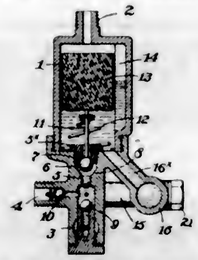
1. A fuel tank; a fuel vessel having a discharge adapted to be submerged in the fuel tank; a fuel-vessel altitude-adjusting rod adapted to travel normally of the axis of the vessel; and means cooperating between said rod and said vessel.

1,587,608. FLUID-TURBINE ROTOR. ARTHUR R. SIEGLER, Denver, Colo. Filed Apr. 13, 1925. Serial No. 22,789. 6 Claims. (Cl. 253—133.)



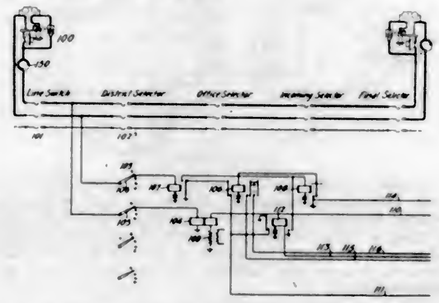
1. In a turbine rotor, a series of passages, said passages entering said rotor at the periphery in a radial direction, curving outward toward the periphery thereof and toward the direction of travel thence curving inward towards a radial line to a discharge adjacent the axis thereof.

1,587,609. LIQUID-FEED-FORCING APPLIANCE. WARD T. SIMPSON, Ann Arbor, Mich. Filed Oct. 21, 1920. Serial No. 418,416. 9 Claims. (Cl. 184—29.)



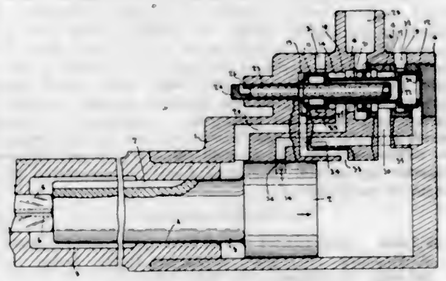
1. A force feed appliance for liquids comprising a lubricant holding chamber having a connection to receive pulsations directly upon the body of lubricant from the compression space of an engine cylinder, an inlet and an outlet for liquid connected with the said chamber, and controlling means whereby a limited quantity of oil is drawn into the said chamber from the inlet pipe on the suction stroke and is discharged therefrom into the outlet pipe on the compression stroke by the direct action of the said pulsations on the liquid, substantially as described.

1,587,610. TELEPHONE-EXCHANGE SYSTEM. ROY H. SMITH, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 13, 1923. Serial No. 645,103. 17 Claims. (Cl. 179—18.)



5. An automatic switch, driving means therefor, means operable in successive stages to count the number of times said switch regains a particular position and means to arrest said switch when such particular position has been regained a predetermined number of times.

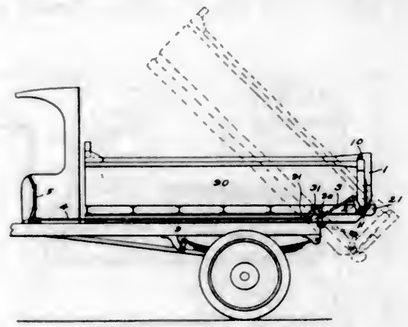
1,587,611. PNEUMATIC TOOL. WILLIAM A. SMITH, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 5, 1922. Serial No. 586,290. 13 Claims. (Cl. 121—10.)



1. In a percussive tool, the combination with a cylinder, a reciprocating piston therein and a reciprocatory valve pneumatically actuated and automatically controlled by the reciprocation of said piston, and means normally venting one side of the valve to atmosphere and operable to interfere pneumatically with the automatic actuation of said valve to arrest movement thereof while still subjected to pneumatic pressure.

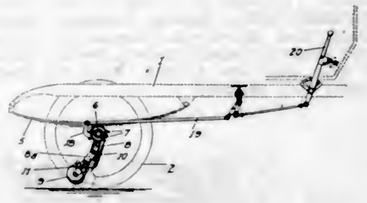
1,587,612. END-GATE CONTROL FOR DUMPING TRUCK BODIES. EARL B. STALEY, Seattle, Wash. Filed June 6, 1925. Serial No. 35,331. 4 Claims. (Cl. 298—23.)

1. The combination with a tilting truck body and a device for permitting dumping of the load when the body is tilted, of an operating lever for a releasing device located upon the truck chassis, and means connecting said operating lever with the releasing device which means includes a lever mounted to move with the truck



body and means connecting the operating lever with said other lever by a pivot located upon the tilting axis of the truck body when the releasing device is in holding position.

1,587,613. NONSKID ATTACHMENT FOR AUTOMOBILES. FRANK STEFANICH, Fresno, Calif. Filed Aug. 29, 1925. Serial No. 53,240. 4 Claims. (Cl. 188—5.)



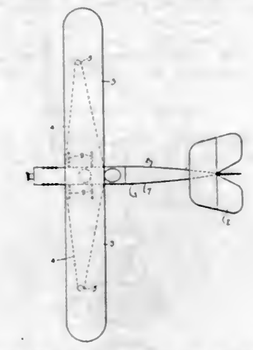
1. A non-skid attachment for vehicles including arm members pivotally mounted onto the vehicle adjacent its rear end, ground engaging members on the lower ends of the arms, means for normally holding the arms upwardly to the rear of their pivotal connections and for lowering the same simultaneously at will, whereby the ground engaging members may be engaged with the ground, said arms being formed in sections transversely hinged together and arranged to break only to the rear, and means for each arm resisting such breaking.

1,587,614. STEEL ALLOY. BENNO STRAUSS, Essen-Bredeney, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 17, 1923, Serial No. 652,129, and in Germany Aug. 2, 1922. 2 Claims. (Cl. 75—1.)

1. A steel alloy containing 18 to 30 per cent of chromium and 4 to 20 per cent of nickel, 2 to 4 per cent of molybdenum and 0.1 to 0.4 per cent of carbon.

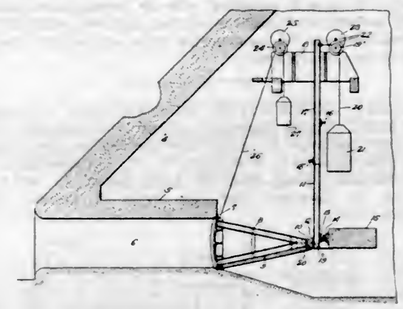
1,587,615. FLYING MACHINE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Dec. 29, 1923. Serial No. 683,286. 3 Claims. (Cl. 244—12.)

1. A flying machine comprising a body, an upper wing, two lower wings rigidly connected at their upper ends to said upper wing and projecting downwardly at an angle thereto, a rigid connection between the lower ends of said lower inclined wings, and inclined members extending from said connection upwardly and connecting with



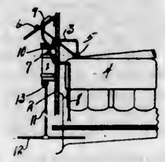
the upper wing and with each other so as to form a rigid truss construction, the lower wings acting as struts and as lifting members.

1,587,616. OPERATING MECHANISM FOR SLUICE-WAY GATES. EMORY SUDLER, New York, N. Y. Filed May 17, 1924. Serial No. 713,972. 5 Claims. (Cl. 61—25.)



1. Gate operating mechanism for sluice ways including a gate engageable across the sluice way, rocking beams mounted adjacent the sluice way and in operative engagement with said gate, weights to hold the gate seated against the sluice way, means to release said weights, and mechanism in connection with the gate to elevate the latter after the weights are released.

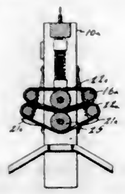
1,587,617. LUBRICATING SYSTEM FOR MOTOR VEHICLES. MARION W. SULLINS, Breckenridge, Tex. Filed Nov. 3, 1924. Serial No. 747,535. 2 Claims. (Cl. 184—7.)



2. In a motor vehicle provided with an operating motor and working parts of a motor vehicle; means for lubricating said working parts comprising a container and gage therefor, means for supplying said container with a lubricant including a pipe extending from the oil pump of the motor to the container and its gage; means for

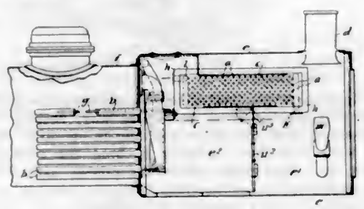
utilizing pressure from a combustion chamber of said motor for forcing lubricant from said container including a pipe leading from the combustion chamber to the container and a means for controlling the passage of the pressure to the container, pipes for delivering the lubricant from said container to said working parts, and means for conserving the lubricant about said working parts.

1,587,618. WRINGER. BENJAMIN RAY THOMAS, Sioux City, Iowa. Filed Feb. 18, 1926. Serial No. 89,072. 4 Claims. (Cl. 68—32.)



1. In a wringer, a pair of side posts, compression rollers mounted in said posts and adjustable toward each other, receiving rolls spaced laterally from said compression rolls and provided with rollers engaging the faces of said posts to allow said receiving rolls to move apart freely, and endless belts of compressible material supported upon said receiving rolls to travel therearound, said endless belts having coacting opposed portions received between the compression rolls and adapted to be compressed therebetween.

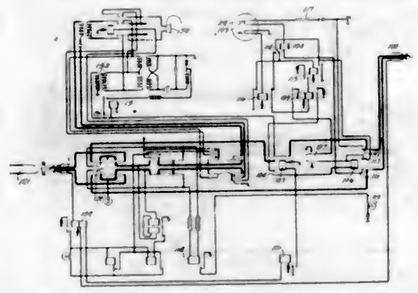
1,587,619. FEED-WATER HEATER FOR LOCOMOTIVES. PETER THOMSEN, Cassel-Wilhelmshohe, Germany, assignor, by mesne assignments, to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 30, 1921, Serial No. 457,142, and in Germany Nov. 25, 1916. 3 Claims. (Cl. 122—426.)



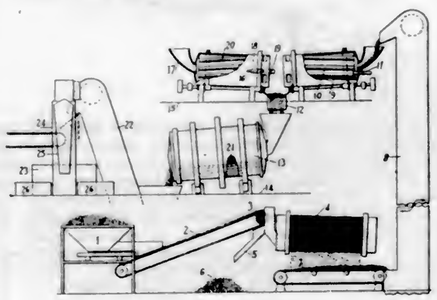
1. A locomotive boiler plant comprising a boiler, smoke tubes extending through said boiler, a smoke-box into which said smoke tubes discharge, said smoke-box extending upwardly above the level of the uppermost smoke tubes, a feed water heater located in said smoke-box above the level of the uppermost smoke tubes, an upright partition subdividing the smoke-box portion below the feed water heater into two compartments one communicating directly with the smoke tubes and the other with the outlet of the smoke box and a blast pipe located in that compartment which is distant from the smoke tubes.

1,587,620. TELEPHONE-EXCHANGE SYSTEM. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 14, 1924. Serial No. 720,084. 7 Claims. (Cl. 179—27.)

1. In a telephone system, an operator's position, a trunk circuit extending therefrom to an automatic exchange and having normally no connections to battery or ground, a cord circuit at said operator's position for connecting with said trunk circuit, a sender circuit including a source of dialing current adapted to be switched into connection with said cord circuit to transmit current pulses over said trunk circuit from said source corresponding to the desired setting of a switch in said automatic exchange, and means in said trunk circuit at the automatic exchange end thereof responsive to said pulses to control the setting of said switch.



1,587,621. PROCESS OF CONDITIONING SAND FOR FOUNDRY USE. GEORGE WALTHER, Montgomery County, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,208. 7 Claims. (Cl. 22—217.)

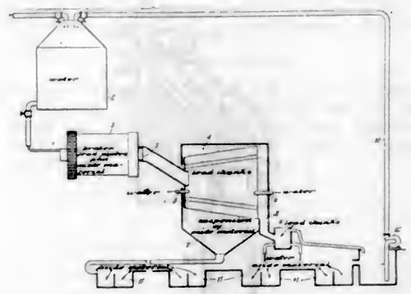


1. The herein described process of mixing new sand and old sand for molding, which consists in bringing the new sand and the old sand together, and then introducing air into the mixture to neutralize the excess of dampness in the new sand and the excess of heat in the old sand.

1,587,622. PROCESS OF TREATING RESINS AND THE PRODUCT THEREOF. CYRUS FIELD WILLARD, San Diego, Calif. Filed May 21, 1924. Serial No. 714,887. 5 Claims. (Cl. 134—26.)

5. The product obtained by heating resin in a suitable vessel with glycerol, rubber and a suitable catalyst until the resin is melted and the rubber and glycerol in the presence of the catalyst have united with the resin to make a resin gum ester.

1,587,623. PROCESS OF RECLAIMING THE CONSTITUENTS OF LEAD BATTERY PLATES. MAX E. ZUCKERMAN, New York, N. Y. Filed Mar. 2, 1925. Serial No. 12,611. 3 Claims. (Cl. 74—39.)



1. The process of recovering the material of worn out or scrap lead storage battery plates, which consists in crushing the metallic grid and pasted oxides together and in the presence of a liquid vehicle, discharging said vehicle with plate materials, and separating the same from each other and from the vehicle.

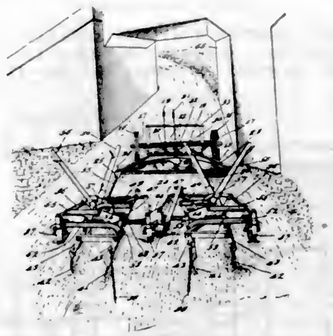
1,587,624. ACCELERATOR FOR AUTOMOBILE ENGINES. RAUL B. ABREU, Newark, N. J. Filed Nov. 15, 1924. Serial No. 750,118. 1 Claim. (Cl. 23—140.)

In an accelerator device for automobile engines, a bracket comprising a plate with a hole therein for attachment to a bolt and having a knuckle at one edge the knuckle being inclined to the plane of the plate, a crank mounted in the knuckle, a link connected to one end of the crank and secured to the lever of a carburetor, an accelerator rod secured to the other end of the crank, and a lost motion connection between the lever of the carburetor and the throttle lever of the automobile.

1,587,625. ROAD MAINTAINER. JOSEPH D. ADAMS and ROY E. ADAMS, Indianapolis, Ind.: Roy E. Adams and William R. Adams, executors of said Joseph D. Adams, deceased, assignors, by mesne assignments, to J. D. Adams & Company, Partnership consisting of Roy E. Adams, William Ray Adams, Leona H. Adams, and Helen J. Adams, Indianapolis, Ind. Filed Sept. 6, 1919. Serial No. 322,050. 17 Claims. (Cl. 37—152.)

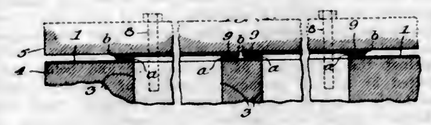
1. A road maintainer, comprising two forward side drags and a central rear drag, each of said drags including a scraper blade and a ground-engaging frame with relation to which said scraper blade is adjustable.

13. In a road drag, the combination of a frame, a carrying wheel for the rear part of said frame, and a scraper blade pivotally connected to the forward part of said frame and riding on the ground to support said forward part, said scraper blade being curved between



its two points of attachment to said frame, and means for adjusting the height of the middle portion of said scraper blade with respect to said frame.

1,587,626. GASKET. CLAUDE B. BAILEY, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed May 20, 1925. Serial No. 31,483. 13 Claims. (Cl. 288—1.)



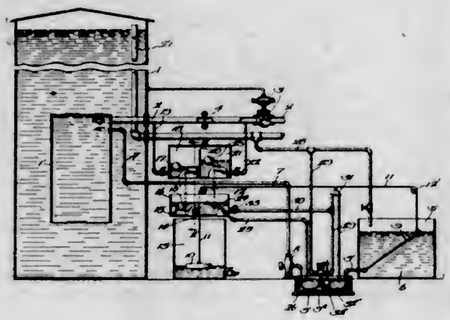
1. A gasket having an opening and a pressure receiving portion surrounding the opening and made in folded form with all portions thereof formed from a single piece of sheet metal.

1,587,627. SIGNAL FOR VEHICLES. HORACE D. BALL and LEONARD S. CARR, Beloit, Wis. Filed Oct. 2, 1922. Serial No. 591,724. 5 Claims. (Cl. 177—329.)

2. A display device comprising, in combination, a casing having an observation glass at its front, a supporting plate at its back provided with electric light sockets, side partition walls and front profile portions between said plate and glass jointly defining composite letters,

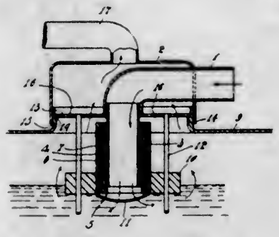
and electric light bulbs for said sockets, said sockets being located beneath said profile portions and the casing for illuminating the letters without being directly exposed.

1,587,628. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed Aug. 7, 1925. Serial No. 48,781. 16 Claims. (Cl. 210—17.)



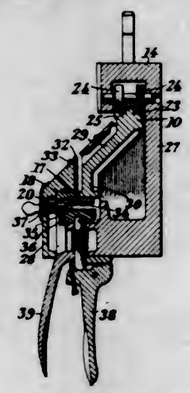
1. In a liquid treating apparatus, the combination with a treatment tank receiving liquid to be treated; of a pipe discharging into said tank and having an orifice therein through which the liquid passes and smaller in cross sectional area than the bore of said pipe; two receptacles respectively supplied with liquid from opposite sides of said orifice, said receptacles being closed against the admission of external air and being connected by an air passage; a source of chemical; and mechanism governing the flow of chemical from the chemical source and inclusive of elements governed by the liquid in said receptacles.

1,587,629. CARBURETOR. JAMES FRENRICK BATES, Belmont, New Zealand. Filed Aug. 18, 1923, Serial No. 658,085, and in New Zealand Sept. 8, 1922. 2 Claims. (Cl. 261—120.)



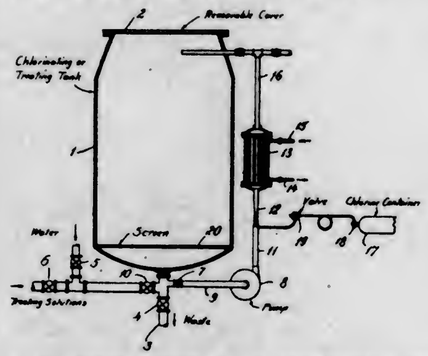
1. In a carburetor, the combination of a fuel tank, an induction pipe depending into said fuel tank, a plurality of telescopic sections supported from said induction pipe and slidable with respect thereto and adapted to move to the bottom of the said tank, a float mounted upon the bottom section, the said sections having flanges at their ends to support the lower sections from the upper and to limit the shifting of said sections relative to each other.

1,587,630. WEIGHBEAM. FRANK E. CHURCH, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed July 24, 1924. Serial No. 728,028. 10 Claims. (Cl. 265—6.)



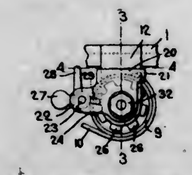
1. A weigh-beam of substantially Z-form in cross-section.

1,587,631. EXTRACTION OF CELLULOSE. EDGAR RAYMOND CLARK, Pittsburgh, Pa., assignor to Milton S. Erlanger, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,676. 18 Claims. (Cl. 92—9.)



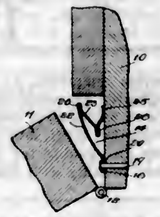
1. An improved process for the manufacture of cellulose which comprises circulating water through a body of cellulose-containing material, the circulation being maintained in a closed cycle by means external to the said body, and supplying chlorine to the circulating water as the operation proceeds.

1,587,632. PICKER-STICK MOTION FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 9, 1925. Serial No. 7,773. 8 Claims. (Cl. 139—150.)



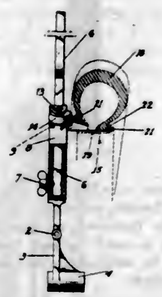
1. A picker stick motion for looms comprising a rocker stand presenting a depending bracket arm, a spindle rotarily adjustable in the bracket arm, a sleeve mounted upon and keyed to the spindle, a drum rotatably mounted on the sleeve, a spring interposed between the drum and sleeve and connected to both, means for locking the spindle, sleeve and arm together, a support fitted to and positioned by the bracket arm without alteration of the bracket arm, and means carried by the support and movable into engagement with and disengagement from the sleeve thus to hold the spindle and sleeve in any desired rotary position and to permit rotary adjustment thereof.

1,587,633. WEATHER STRIP. WILLIAM J. DENNIS, Chicago, Ill. Original application filed Apr. 11, 1924, Serial No. 705,834. Divided and this application filed June 18, 1925. Serial No. 37,986. 3 Claims. (Cl. 20—67.)



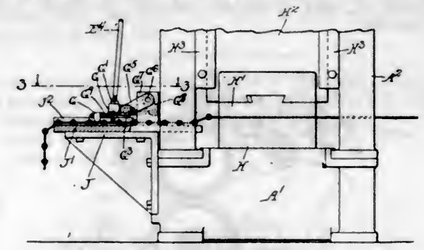
2. A weather strip formed of an integral metal strip and comprising a portion folded to provide superimposed layers of metal whereby the weather strip may be secured to a support, an arcuate portion joined directly to the folded portion, a leaf portion, and an intermediate portion joining the arcuate portion, the intermediate and leaf portions being disposed on the inner side of said arcuate portion.

1,587,634. TIRE TOOL. ION DICKEY and WILLIAM E. MCCOWN, Stockton, Calif. Filed July 10, 1924. Serial No. 725,156. Renewed Mar. 2, 1926. 2 Claims. (Cl. 157—6.)



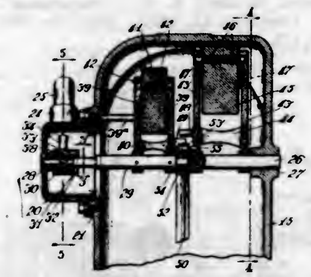
1. A tool for mounting a tire onto its rim, including a bar member adapted to be rotated about an axis concentric with the rim, means mounted on said bar for engaging and causing a bead of the tire to seat in the rim with the rotation of the bar, and a bored boss mounted with the bar at the axial end thereof, the axis of said boss being at right angles to the longitudinal plane of the bar and the opposite ends of said boss being at different distances from the adjacent faces of the bar, the bead engaging members being reversible in position relative to the boss.

1,587,635. CHAIN FEED. RAYMOND W. DULL, Chicago, Ill., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 752,524. 19 Claims. (Cl. 59—5.)



1. The combination with a chain press, having a fixed die and an opposed punch and means for reciprocating it, of chain feeding means for feeding the completed chain forwardly from the press step by step, in response to reciprociation of the punch, comprising a chain engaging dog and a chain supporting element adapted directly to receive the chain passing thereacross along which the dog is adapted to be reciprocated.

1,587,636. RETURN TRAP. FALTEN EIGE, Toronto, Ontario, Canada, assignor to C. A. Dunham Company, Marshalltown, Iowa, a Corporation of Iowa. Filed June 25, 1923. Serial No. 647,659. 7 Claims. (Cl. 137—101.)

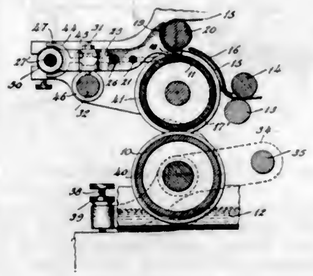


5. A return trap comprising a closed casing, an outlet connection to a boiler, a one-way valve therein, a valve housing projecting outwardly from one side of the casing and in open communication with the casing, a horizontal shaft mounted in this housing and projecting into the casing, an air outlet valve and a steam inlet valve each positioned substantially radially of the shaft in the valve housing, a pivot-pin mounted eccentrically on the shaft, a valve rod for each of the valves pivoted on this pin whereby a rocking movement of the shaft will open one valve and close the other, a weighted lever on the shaft within the casing adapted to operate the valves when swung to one side or the other of a vertical position, a second weighted lever and a float each pivoted within the casing on the same axis as the shaft, and lost-motion connections between the float and the second mentioned lever, and between the two levers.

1,587,637. FLUX. GEORGE ENNIS FERGUSON, Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J., a Corporation of Delaware. Filed July 29, 1922. Serial No. 578,496. 12 Claims. (Cl. 148—23.)

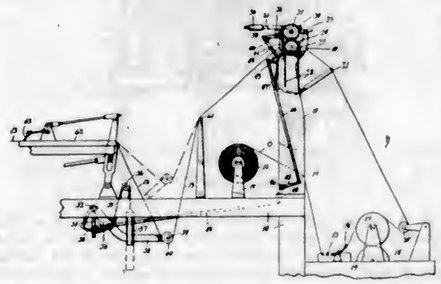
7. A flux comprising a non-dissociated alcoholic solution of a plurality of copper compounds capable of being reduced to metallic copper by heat.

1,587,638. GUMMING MACHINE. MARTIN FEYBUSCH, New York, N. Y., and PAUL W. FLEISCHER, Weehawken, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Sept. 19, 1922. Serial No. 589,078. 17 Claims. (Cl. 91—50.)



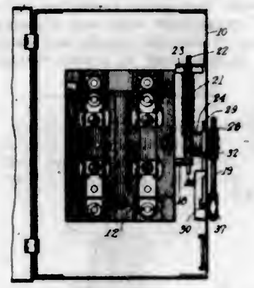
1. In a gumming device, a glue-supplying roll having circumferential rings mounted thereon loosely, and a movable transfer member adapted to receive glue from said roll and provided with grooves into which said rings project.

1,587,639. PAPER-FEED DEVICE. PAUL W. FLEISCHER, Weehawken, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 17, 1921. Serial No. 508,354. 3 Claims. (Cl. 271—2.3.)



1. In a device of the class described, the combination of a feed-roller rotating continuously in one direction for feeding a web of material, a pressure member arranged to press said web into feeding engagement with said feed-roller, intermittently feeding-mechanism to which said feed roller delivers said web, a bight-forming roller engaging said web between the feed-roller and the intermittently feeding mechanism and by its weight forming a depending bight in said web, said bight-forming roller rising and falling with said bight as the depth of the latter varies in accordance with the feed of the web, a pivoted lever on which said bight-forming roller is directly journalled, an operative connection between said lever and said pressure member whereby the latter is adjusted away from said feed-roller to interrupt the feeding engagement of the web therewith, when said bight descends to a predetermined point, and a weight connected with a lever for assisting in the lifting of said bight-forming roller when the bight rises by the action of the intermittently feeding mechanism.

1,587,640. ELECTRIC SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Feb. 7, 1925. Serial No. 7,529. 6 Claims. (Cl. 200—67.)



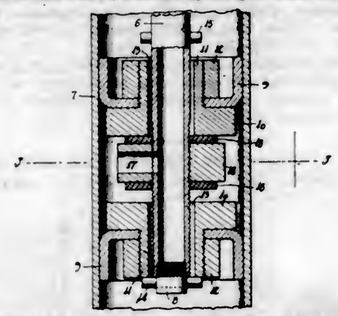
1. An enclosed switch comprising an oscillating switch member, a spring operated throwing member having lost motion connection with said switch member, a gear having lost motion connection with said throwing member, and a handle having an opening for said gear with an annular gear segment meshing with said gear.

1,587,641. WINDOW-COUNTERBALANCING DEVICE. BERTRAM J. GOLDSMITH, New York, N. Y., assignor, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware. Filed July 26, 1924. Serial No. 728,310. 12 Claims. (Cl. 16—197.)

12. In a window, a window frame provided with U-shaped channels therein in which the window is slidable, a U-shaped strip fastened to the lower edge of the window, a spring in said channel fastened to the upper end thereof and to said strip and exerting an upward effort on said window.

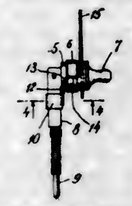
1,587,642. PUMP. JOHN A. GROSVENOR, Norton, Kans., assignor to C. G. Page, Norton, Kans. Filed Jan. 11, 1926. Serial No. 80,629. 7 Claims. (Cl. 230—27.)

1. In a pump, a piston rod having a passage, a collar on the rod, and a sleeve mounted loosely on the rod for the flow of fluid between the rod and sleeve and having a portion thereon to engage a cylinder, one end portion of the sleeve being seatable against said collar to close the opening of the sleeve when the rod is moved in one direction relatively to the cylinder and said sleeve and collar being separable when the rod is moved in the opposite direction relatively to the cylinder, said passage having a port to open into the cylinder beyond said end portion of the sleeve, and the opening of said sleeve, when



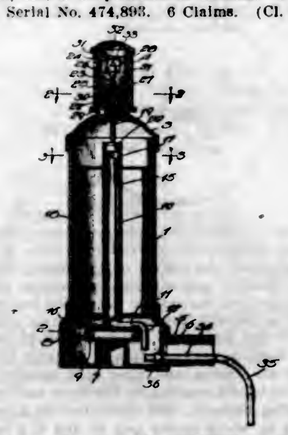
the sleeve and collar are separated, establishing communication between said port and the cylinder chamber beyond the opposite end of the sleeve.

1,587,643. EAR-LOOP ATTACHMENT FOR DEAF PHONES. NATHANIEL HARMAN, New York, N. Y., assignor to Dictograph Products Corporation, a Corporation of Virginia. Filed June 2, 1925. Serial No. 34,366. 4 Claims. (Cl. 181—23.)



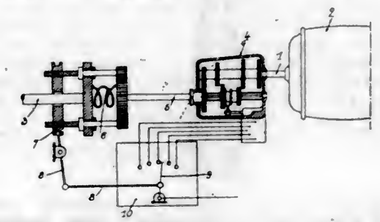
1. An ear-loop for supporting the ear-piece of an instrument such as a deaf-phone which comprises the combination of a bracket in which the ear-piece entering the ear-canal is mounted, and a piece of resilient cable extending upwardly from the bracket to pass in front of the ear, then curving laterally and downwardly to pass behind the ear, and terminating at its free end in a hook to pass around the ear-lobe.

1,587,644. AUTOMATIC AIR VALVE. AMOS HARRISON, Chicago, Ill., assignor to Jas. P. Marsh & Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1921. Serial No. 474,893. 6 Claims. (Cl. 236—61.)



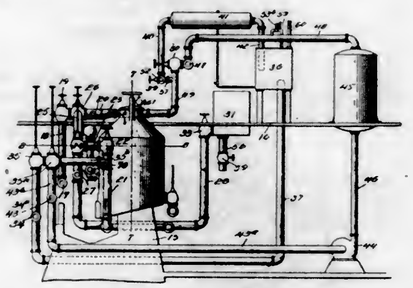
1. An automatic air valve comprising a casing having an air and liquid inlet at its bottom and an outlet near its top, a tubular float in said casing spaced from the wall thereof, a hollow core extending longitudinally through said float and an open-ended tube within said core, said core being apertured at its top and bottom so as to always be open at said points, and said tube extending from adjacent said inlet to adjacent the top apertures of said core.

1,587,645. CONTROL OF ELECTRIC MOTORS. ROBERT HICGUET, Paris, France, assignor to La Traction Electrique Rationnelle, Paris, France. Filed Mar. 3, 1924, Serial No. 696,483, and in France Nov. 19, 1923. 7 Claims. (Cl. 172—239.)



1. A power plant comprising electric motors, an electro-magnetic change speed device, a shaft driven by said motors through the intermediary of said change speed device, electric means for controlling said change speed device, a dynamometer subjected to the action of the resisting couple, and means for operatively connecting said dynamometer to said control means for the change speed device.

1,587,646. EXTRACTION PROCESS AND APPARATUS. WILLIAM FREDERICK HOLZHEUER, Hale, Mich. Filed Sept. 28, 1925. Serial No. 59,247. 4 Claims. (Cl. 127—8.)

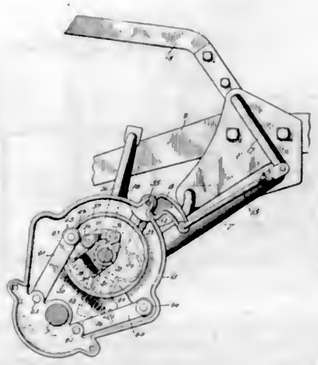


4. An apparatus for carrying out my herein described process, consisting of a diffusion battery having a number of cells in series, said cells being connected with each other through valves and piping so that a fluid introduced into said series of cells can circulate progressively from one cell to another along the battery, and means for boosting the circulation pressure of said fluid at a point along its course through the battery, consisting of a low pressure header connected with various of said cells through separate valves, and a high pressure header also connected to various of said cells through separate valves, said low and high pressure headers being connected to each other through a pressure boosting means, one of said valves connecting one of said cells with said low pressure header being open, while one of said valves connecting another of said cells with the high pressure header is open to cause said fluid to pass from one cell through said pressure boosting means and back into another cell at a higher pressure, substantially as described.

1,587,647. MAGNETIC HAND TOOL. WILLIAM J. HOOD and EUGENE J. HOOD, Toledo, Ohio. Filed May 5, 1924. Serial No. 711,030. 2 Claims. (Cl. 145—50.)

2. In a hand tool, the tool having a shank, the shank having a slotted and threaded end the end having a concave surface, a collar having a pair of notches and threaded on to the end of the shank, a bit located in the slot and having a pair of lugs protruding from the slots and extending into the notches, a second collar threaded on to the shank for securely clamping the lugs in the notches.

1,587,648. POWER LIFT MECHANISM. OTIS W. HOWARD and HENRY P. CORBIN, Moline, Ill., assignors, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed June 11, 1923. Serial No. 644,795. 8 Claims. (Cl. 192—62.)

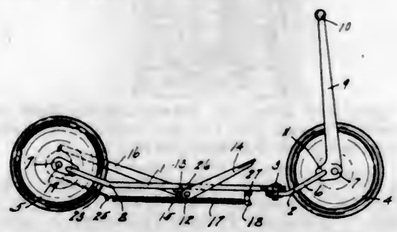


1. In a powerlift mechanism for implements, a continuously rotatable member, an intermittently rotatable member, connecting means for connecting and disconnecting said members, said connecting means being normally biased to connecting position, and controlling mechanism engaging said connecting means to move it to and hold it in disconnected position, said controlling mechanism including devices which, when the controlling mechanism is operated, act positively and independently of the rotation of the rotatable members to release the connecting means to permit it to connect the rotatable members together and which are set and held in position to cause the connecting means to disconnect the rotatable members only at a predetermined position of said rotatable members.

1,587,649. DESULPHURIZING OILS. ERNST M. JOHANSEN, Fall River, Mass., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 1, 1923. Serial No. 635,967. 6 Claims. (Cl. 196—33.)

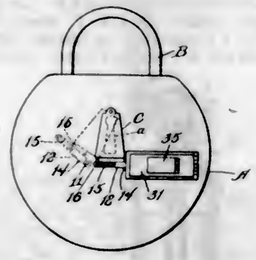
1. In the treatment of mineral oil, the method which comprises blending oils containing, respectively, sour and corrosive sulphur, and subjecting the mixture to the action of sodium plumbite.

1,587,650. CHILD'S TOY VEHICLE. FRANK W. JOHNSON, Redlands, Calif. Filed Jan. 27, 1926. Serial No. 84,050. 1 Claim. (Cl. 208—35.)



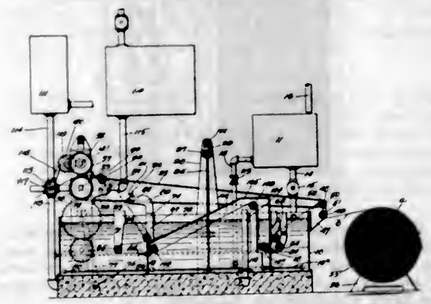
In a device of the kind described and embodying a wheel supported carriage board, the shaft of the drive wheel being provided with a clutch mechanism adapted to drive the vehicle forward, the said clutch mechanism having a circular drive shell provided with a peripheral belt groove; a lever shaft journaled beneath the carriage board; a crank rigidly secured to one end of the lever shaft and in approximate alignment with the said belt groove of the clutch drive shell; a foot lever rigidly secured to the opposite end of the lever shaft; a drive belt passing over the said belt groove of the clutch drive shell, the end of the upper stretch of the belt being secured to the said crank; and a coiled reaction spring having its forward end attached to the forward end of the carriage board and its rear end attached to the free end of the said drive belt, the spring being thus mounted under tension sufficient to normally lift the said foot lever above the carriage board.

1,587,651. LOCK SEAL. PRESLEY B. JOHNSON, Sacramento, Calif. Filed July 23, 1925. Serial No. 45,631. 7 Claims. (Cl. 70—97.)



1. A seal of the character described comprising a casing having an opening at one end to receive a hasp, a latch mounted upon the bottom of the casing and resiliently urged upward and adapted to engage the hasp when inserted within the casing, the casing having a top and an opening through the top immediately above said latch whereby the latch may be depressed to disengage it from the hasp, a sealing element adapted to be disposed within the casing and over said opening, and a cover locked in closed position by the hasp and extending over the sealing element, said cover having a relatively small opening by which access may be had to a relatively small portion of the sealing element immediately above the opening in the top of the casing.

1,587,652. METHOD OF AND APPARATUS FOR IMPREGNATING FELT WITH BITUMINOUS MATERIALS. ROBERT T. JOHNSTON, Scotch Plains, N. J., assignor to The Flint-Kote Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1921. Serial No. 445,877. 49 Claims. (Cl. 91—46.)



1. An apparatus for saturating fibrous sheet material, comprising a saturating chamber adapted to contain a saturating compound, means for periodically feeding successive lengths of said sheet material through said chamber into contact with said saturating compound, and means for increasing the pressure in said chamber to act on each successive length.

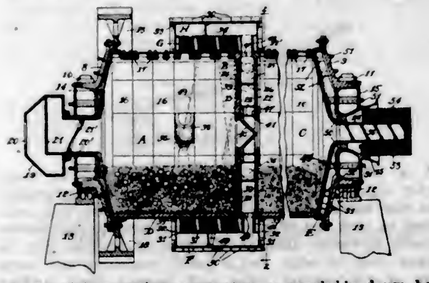
24. An apparatus for saturating sheet material, comprising continuously operated sheet-feeding rolls, a pressure-saturating chamber, and means operating in timed relation to said rolls for automatically increasing and diminishing the pressure in said chamber.

31. Apparatus for saturating fibrous sheet material, which comprises means for feeding an indeterminate length of said sheet material continuously in one direction, and means for intermittently feeding successive lengths thereof through a saturating compound under pressure in all directions above atmospheric and that due to the hydrostatic head of the saturant.

40. A method of saturating fibrous sheet material, which comprises passing successive predetermined lengths of said material into a liquid saturating compound, and subjecting the compound acting on the successive lengths to different pressures of which one is greater and another is less than atmospheric.

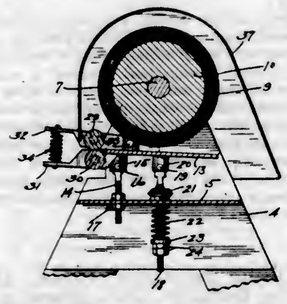
47. An apparatus for saturating fibrous material which comprises means for continuously feeding spaced portions of the material, means for intermittently feeding an intermediate portion of the material, and means for saturating said intermediate portion while it is stationary.

1,587,653. DISINTEGRATING APPARATUS. JOSEPH E. KENNEDY, New York, N. Y., and LEIGH A. HUNT, Lawrence, Mo.; said Hunt assignor to said Kennedy. Filed Mar. 26, 1925. Serial No. 18,359. 10 Claims. (Cl. 83—90.)



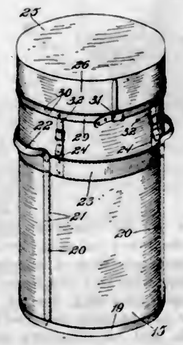
1. In disintegrating apparatus, a revoluble drum having a transverse screen partition to arrange the drum with a disintegrating chamber having a charging opening and a collecting chamber to receive disintegrated material through the screen partition from the disintegrating chamber; a passage extending transversely of the collecting chamber having an outlet axially of the drum; a chamber concentric to and revoluble with the drum having a screen partition separating the chamber into a pair of concentric compartments; means to connect the compartment at inner side of the screen in said chamber with the collecting chamber arranged to deliver material from the collecting chamber to said compartment during the revolving of the drum; outlets from said compartment through the peripheral wall and intermediate the ends of the disintegrating chamber to return coarse material from said compartment to the disintegrating chamber during the revolving of the drum; and outlets leading from the outer compartment of the screen chamber connected to the transverse passage in the collecting chamber through which to discharge screened material from said compartment during the revolving of the drum, said passage being arranged with a deflector to direct material discharged thereinto through the axial outlet thereof.

1,587,654. BUFFING MACHINE. FRANK J. KERNER, Minneapolis, Minn. Filed Apr. 4, 1924. Serial No. 704,138. 8 Claims. (Cl. 15—40.)



1. The combination with a buffing wheel, of a table under the buffing wheel, feed rolls mounted on the table at its receiving end, and means for adjusting the table toward and from the buffing wheel.

1,587,655. SHIPPING JACKET FOR ICE-CREAM CONTAINERS. GROVER C. KIDWELL, Madison, Ind. Filed Aug. 15, 1925. Serial No. 50,497. 2 Claims. (Cl. 150—52.)



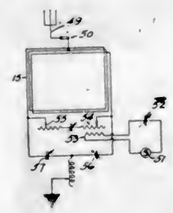
1. In a heat insulating shipping jacket, a container wall including spaced continuous inner and outer walls

of flaccid material, strips of flaccid material connecting the inner and outer walls of the container producing between said walls a plurality of vertically extending pockets, a heat insulating material tightly filling said pockets, and rendering the container wall self-sustaining and substantially rigid, a bottom for the receptacle and a cover therefor.

1,587,656. HAIR-CUTTING DEVICE. EDWARD M. KOJIMA, Los Angeles, Calif. Filed May 9, 1925, Serial No. 29,150. Renewed Apr. 27, 1926. 10 Claims. (Cl. 30—12.)

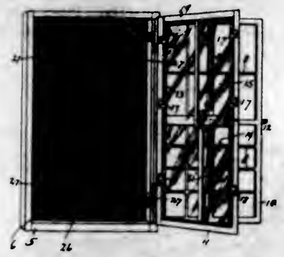
1. In a hair cutting device, a tubular spring member having opposed longitudinal edges, a pair of jaw members consisting of a comb member and a holding member having longitudinal corrugations adapted to engage with said longitudinal edges, said jaw members being mounted between the longitudinal edges of the spring member and extending outwardly from the edges of the spring member, a flange integral with the holding jaw member and extending inwardly and in parallelism with the remaining jaw member, and a blade removably mounted between the flange and a corresponding opposed portion of the opposite jaw member.

1,587,657. RADIO SIGNALING SYSTEM. FREDERICK A. KOLSTER, Burlingame, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Dec. 5, 1921. Serial No. 519,954. 9 Claims. (Cl. 250—11.)



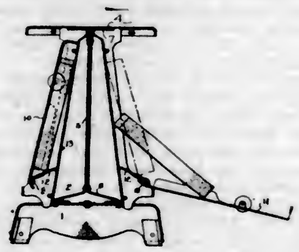
1. In apparatus of the character described, a non-uniform circuit including a rotatable coil, and providing direct energy interchange with a natural medium, elements which together with this coil form a uniform oscillation circuit, means providing for an interchange of energy between the non-uniform and the uniform circuit, a signaling circuit, and an inductive coupling between the signaling circuit and the non-uniform circuit, this being the only coupling between the signaling circuit and the remainder of the apparatus.

1,587,658. CASEMENT WINDOW. THOMAS B. LAYCOCK, Indianapolis, Ind. Filed June 22, 1925. Serial No. 38,648. 12 Claims. (Cl. 20—53.)



1. In a casement window, an outside fixed mullioned member, in combination with an inner mullioned member having vertical ways, glass lights slidingly mounted in said ways and means for removing the mullions from the lights while cleaning the lights.

1,587,659. TOASTER. WALTER C. LINDEMANN and EDWIN A. RUTENBER, Milwaukee, Wis., assignors to A. J. Lindemann & Haverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 18, 1923. Serial No. 669,217. 1 Claim. (Cl. 53—5.)



In a device of the character described, the combination of a grate disposed in a plane approximately parallel with an upright heating element, of a laterally disposed support for articles to be toasted, such as slices of bread, said support extending outwardly and downwardly, and means for holding the article to be toasted in upright position opposite said grate, said means being disconnected from and operating independently of the said support.

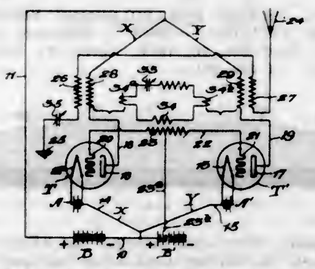
1,587,660. MARKER FOR PLANTERS. HUGO T. LINDGREN, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Feb. 9, 1923. Serial No. 617,979. 3 Claims. (Cl. 97—230.)

1. A wheeled planter having a frame, a bar supported rigidly on the frame at the rear of the wheels, said bar having slots in its ends, a marker arm connected to each end of the bar by means of a hook which extends upwardly through the slot in the bar and is hooked over its edge, and a cable connecting the outer ends of the marker arms and passing over guiding means on the forward part of the planter.

1,587,661. PROCESS OF MAKING CROTONALDEHYDE. FRED W. LOMMEN, Pittsburgh, Pa., assignor to Carbide & Carbon Chemicals Corporation, a Corporation of New York. Filed Aug. 24, 1925. Serial No. 52,221. 4 Claims. (Cl. 260—138.)

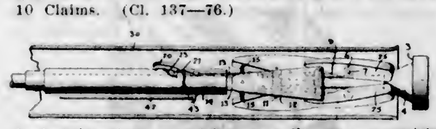
1. Process of making crotonaldehyde comprising introducing a material containing aldol into a boiling dilute acid solution and removing the decomposition products substantially as fast as formed.

1,587,662. APPARATUS FOR GENERATING ALTERNATING CURRENT. FRITZ LOWENSTEIN, New York, N. Y.; John C. Wait administrator of said Fritz Lowenstein, deceased, assignor, by mesne assignments, to Radio Patents Corporation, a Domestic Corporation. Filed Nov. 29, 1918. Serial No. 264,645. 4 Claims. (Cl. 250—36.)



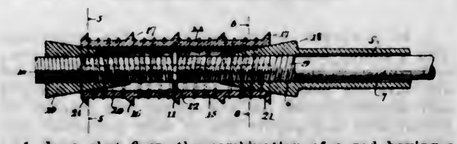
1. A system for generating alternating current comprising the combination with a source of direct current, of a pair of thermionic devices each including an anode, a cathode, and a modulating device cooperating therewith, parallel circuit connections whereby said thermionic devices are connected in circuit with said source and in parallel with each other, each of said parallel circuit connections including an inductive winding, a connection between said modulating devices, and a sharply tunable circuit inductively coupled to such modulating device connection in such manner as to produce alternating potentials of substantially differing phase on said modulator devices, said sharply tunable circuit including separate inductive windings cooperating respectively with the inductive windings in said parallel circuit connections.

1,587,663. TUBE PLUG. ERNEST F. LUNDGREN, Brooklyn, N. Y. Filed Sept. 1, 1923. Serial No. 660,492. 10 Claims. (Cl. 137—76.)



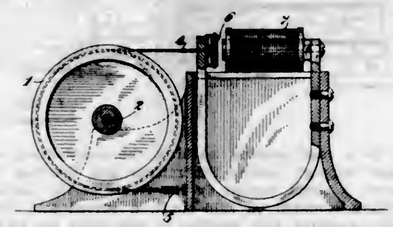
1. A tube plug comprising, a split cone comprising a plurality of abutting segments, and means whereby said segments may be separated to reduce the diameter of the cone for insertion in a tube and may be restored to abutting position to increase the diameter thereof.

1,587,664. SHOT FIRER. MICHAEL L. MCGRAW, Clarksburg, W. Va. Filed Sept. 26, 1925. Serial No. 58,933. 5 Claims. (Cl. 102—11.)



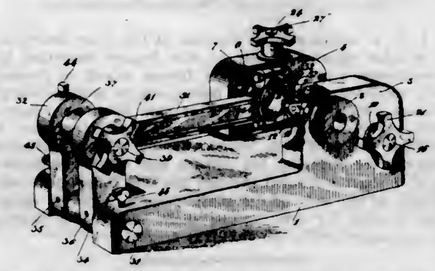
1. In a shot firer, the combination of a rod having a handle at one end, and having an annular flange near the other end, and having oppositely disposed threaded portions on each side of said flange, a tubular member within which the rod is mounted said tubular member having a frusto-conical head in threaded engagement with the threaded portion of the rod above the annular flange, a frusto-conical end screw in threaded engagement with the threaded portion of the rod below the annular flange, a pair of anchor members of approximately semi-circular shape having their end portions engaging the tapered walls of the frusto-conical members, and resilient means pressing the semicylindrical members towards each other.

1,587,665. MOTOR. FRITZ P. MANSBENDEL, Brooklyn, N. Y. Original application filed Nov. 3, 1916, Serial No. 129,406. Divided and this application filed Oct. 11, 1921. Serial No. 507,127. 4 Claims. (Cl. 74—53.)



1. A motor of the character specified comprising in combination a plurality of rotatable disks, a common driving shaft upon which said rotatable disks are rigidly mounted, a vibrating member pivoted in such manner that a portion of each end of said member extends beyond the pivot and over one of the disks, transmission means operatively connected to said vibrating member and encircling a portion of each disk, an actuator to vibrate said vibrating member in quick short strokes, in such manner that said means in connection with one end of the member is relaxed when the means in connection with the other end of said member is taut to alternately impart rotary motion to said disks whereby said shaft is rotated continuously in one direction.

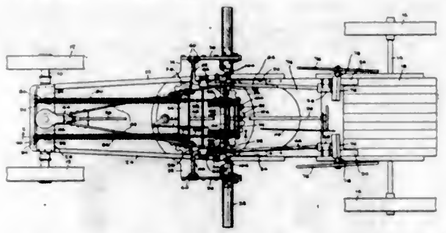
1,587,666. METHOD AND APPARATUS FOR ALIGNING CONNECTING-ROD BEARINGS. ALBERT A. MARTELL, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Aug. 14, 1920. Serial No. 403,579. 12 Claims. (Cl. 77—62.)



1. The method of aligning connecting rod bearings and the like, which method comprises finishing the wrist pin bearing, mounting said wrist pin bearing upon a movable support in such manner as to permit rotative movement of the connecting rod around the axis of the wrist pin bearing and preventing any movement of said connecting rod at right angles to said axis, providing an abutment adapted to contact with one side of the connecting rod adjacent the crank shaft bearing end, guid-

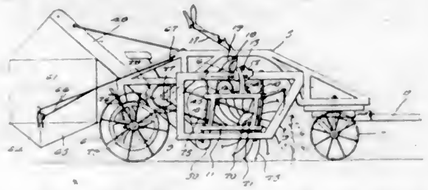
ing a reamer with its axis parallel to the axis of the wrist pin bearing, adjusting said crank shaft bearing about the axis of said wrist pin bearing in such manner that the axis thereof is approximately coincident with the axis of said reamer, clamping the crank shaft bearing end of the connecting rod tightly against said abutment, and then reaming said crank shaft bearing.

1,587,667. ROAD-GRADING MACHINE. CLARENCE A. MENTZER, Minneapolis, Minn., assignor to Storkland Road Machinery Company, Minneapolis, Minn., a Corporation. Filed Jan. 7, 1926. Serial No. 79,743. 5 Claims. (Cl. 37—156.)



1. In a road grading machine, the combination of a scraper support, means for raising and lowering said support, a shaft carried by the frame of the machine, a sheave mounted on said shaft, a curved arm eccentrically mounted with relation to said shaft for turning movement in unison with said sheave, a flexible member secured at one end to said support and secured at the other end to the outer end of said arm for winding movement on the latter, a flexible member secured to said sheave for winding movement thereon reversely to the winding movement of said first flexible member, and a spring attached to the outer end of said second flexible member.

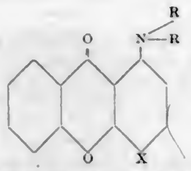
1,587,668. COTTON-PICKING MACHINE. THOMAS E. MITCHELL, Knott, Tex. Filed Apr. 6, 1925. Serial No. 21,074. 3 Claims. (Cl. 56—48.)



1. In a cotton picking machine of the class described, a wheeled chassis, a pair of side frames supported by the chassis, a pair of auxiliary frames, a pair of arcuate bars mounted in each side frame, one of said auxiliary frames slidable on each pair of said bars, an arcuate rack extending upwardly from each auxiliary frame, a casting on each side frame having rollers journaled therein, for engaging the smooth side of the respective rack, a shaft journaled through the side frame, gear segments on the ends of the shaft meshing with the racks, and a lever for rotating the shaft, and cotton picking means supported in the auxiliary frame.

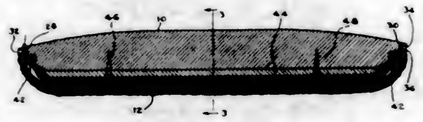
1,587,669. PROCESS OF DYEING CELLULOSE ESTERS AND ETHERS. CARL ERICH MÜLLER, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 24, 1925, Serial No. 4,501, and in Germany Jan. 29, 1924. 6 Claims. (Cl. 8—5.)

1. The process of dyeing cellulose esters and ethers, consisting in dyeing these materials with the mono-sulfonic acids of 1-aminoanthraquinones of the following formula:



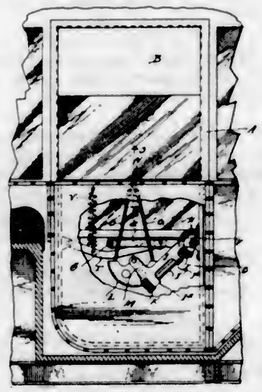
wherein R represents hydrogen, an alkylaryl- or aralkyl-group and X represents an amino- or hydroxy-group or an alkyl-, aryl- or aralkyl- amino- or hydroxy-group, the sulfo group being in the same nucleus of the anthaquinone as the amino group.

1,587,670. DEVICE FOR POLISHING SHOES AND OTHER ARTICLES. GEORGE F. NEBELUNG, St. Paul, Minn. Filed Dec. 15, 1924. Serial No. 756,012. 3 Claims. (Cl. 15—231.)



1. A device of the class described comprising an elongated block, two entirely independent fasteners, one for each end of said block, at least one of said fasteners being readily attachable and detachable at the end of said block with which it cooperates, and an endless band of flexible polishing material held by said fasteners in engagement with a face of said block, said fasteners being adapted to permit fresh portions of said polishing material to be brought into use.

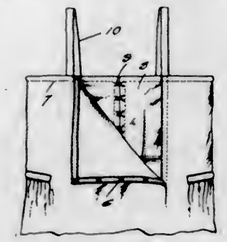
1,587,671. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed May 9, 1921. Serial No. 467,910. 17 Claims. (Cl. 268—126.)



1. In a window control mechanism, the combination with a sliding window member and a chamber receiving said member in the opened position thereof, of a control arm pivotally mounted in said chamber and engaging said window member, an arm within said chamber co-pivotal with said control arm, a shaft journalled upon said arm, gearing actuating the control arm from said shaft, and a rocking element for actuating said shaft

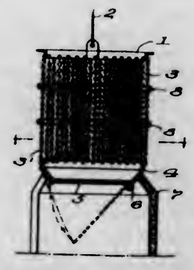
journalled upon said arm and provided with a handle projecting from said chamber and constrained to a direction of travel transverse to that of the window member.

1,587,672. COMBINED BRASSIÈRE AND SLIP. HELGA C. NIGHTINGALE, Aiken, S. C. Filed Apr. 15, 1925. Serial No. 23,294. 1 Claim. (Cl. 2—73.)



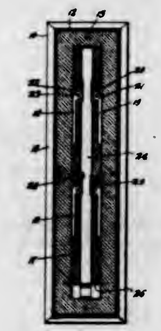
A combination undergarment comprising a slip including a waist and a skirt portion, the waist portion being slit vertically at the back, cooperating fastening means associated with the free ends of the waist portion, a brassière stitched along its upper edge to the upper portion of the waist of the slip on the inner side thereof, the upper edge of the waist portion of the slip being turned over the upper edge of the bassière and stitched thereto, the stitching for the upper edge of the bassière terminating at a point adjacent the free ends of the brassière and adjacent the free ends of the waist portion of the slip, one of the free ends of the brassière extending beyond the adjacent free end of the waist portion of the slip, the other free end of the brassière terminating at a point inwardly of the other end of the waist portion of the slip, so that the free ends of the slip and the brassière respectively are out of alignment with each other, fastening means associated with the free ends of the brassière, and a single pair of shoulder straps attached at their respective ends to the upper edge of the waist portion of the slip at the front and back thereof respectively.

1,587,673. COKE-QUENCHING CONTAINER. EMIL OPDENBECK, Gelsenkirchen, Germany, assignor to the Firm: Gelsenkirchener Bergwerks-Aktiengesellschaft, Gelsenkirchen, Germany. Filed Jan. 22, 1925, Serial No. 4,022, and in Germany Jan. 25, 1924. 4 Claims. (Cl. 294—69.)



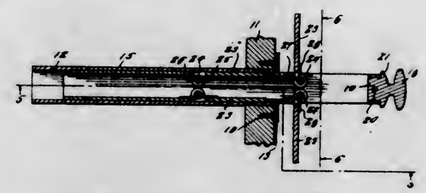
1. A container for quenching coke, said container comprising top and bottom members, and lateral wall comprising vertically arranged suspension members connecting said top and bottom members and arranged in suitable order to confine the coke while at the same time forming interstitial spaces for admission of the coke quenching elements, said bottom member being provided with a drop bottom normally held in closed position by some of said suspension members and permitted to drop into coke discharging position under relative axial movement between said top and bottom members.

1,587,674. AUTOMATIC FOLDING GARMENT HANGER. WILLIAM PATTERSON, Philadelphia, Pa. Filed Sept. 10, 1924. Serial No. 736,930. 5 Claims. (Cl. 45—13.)



1. A garment-hanger including a case, a support-bar pivoted to the case for swinging movement into and out of the same, a slidable member carried by the said support-bar, hanger-arms also carried by the support-bar, an operating connection between the said slidable member and the said hanger-arms operating to cause the latter to be moved into and out of operative position upon the relative sliding movement of the support-bar and the said slidable member, and means for causing such relative sliding movement at a predetermined time during the swinging movement of the said support-bar.

1,587,675. GARMENT HANGER. WILLIAM PATTERSON, Philadelphia, Pa. Filed Dec. 10, 1924. Serial No. 754,940. 7 Claims. (Cl. 211—16.)

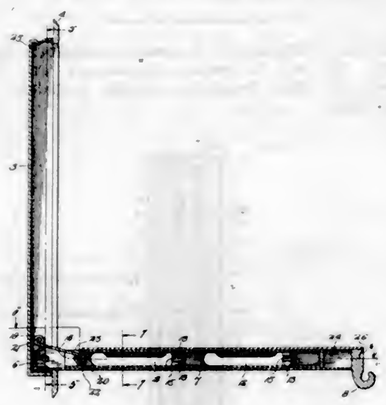


1. A garment hanger including a case, a bar slidably positioned within the case for movement outwardly thereof, hanger arms pivoted to the said bar to swing outwardly from the sides thereof, and tensioning means at the inner pivoted end of each hanger arm and exerting a continuous outward pressure on the said arm.

1,587,676. GARMENT HANGER. WILLIAM PATTERSON, Philadelphia, Pa. Filed Jan. 17, 1925. Serial No. 3,012. 6 Claims. (Cl. 45—13.)

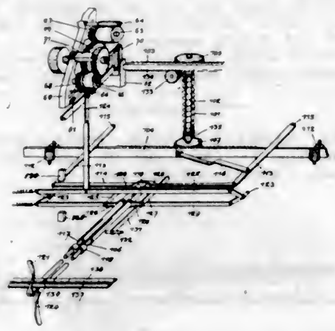
1. A garment hanger including a case, a support bar pivoted to the case for swinging movement into and out of the same, a member slidable within the said support bar and having hanger arms adapted to project through openings in the side of the support bar, and means

for causing the said slidable member to be shifted within the support bar during the opening and closing move-



ment of the latter whereby the said hanger arms are automatically moved into and out of operative position.

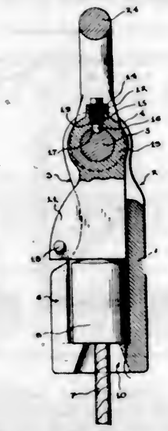
1,587,677. TYPEWRITER. HENRY PEETERS, Warcoing, Belgium. Filed Feb. 20, 1924, Serial No. 694,077, and in Belgium Dec. 21, 1923. 9 Claims. (Cl. 197—65.)



1. In a typewriter in which the carriage carrying the paper is held in a given position by means of an escapement mechanism, the disengagement of which is controlled by hand or by the depression of a key, a carriage which can be moved in the return direction by a control part acting on the carriage, by means of a toothed wheel, meshing with a rack secured to the carriage and means for producing a rectilinear displacement of said control part in a direction parallel to the motion of the carriage.

1,587,678. LOGGING HOOK. WILLIAM REMINGTON, Raymond, Wash. Filed Dec. 15, 1925. Serial No. 75,609. 5 Claims. (Cl. 24—123.)

1. A logging hook comprising a body having a formation providing a socket to receive the ferrule of a cable, a latch to engage the ferrule and prevent escape thereof from the socket, means upon which the latch can turn permitting swinging thereof into the foregoing engaging position and into a release position when the ferrule can be removed, and means including a spring plug carried by



the latch having frictional engagement with said foregoing means to hold the latch in any position of adjustment.

1,587,679. PROCESS OF RECOVERING CALCIUM CARBONATE FROM CAUSTIC LIQUORS. GEORGE A. RICHTER and SANFORD L. SWASEY, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Jan. 17, 1924. Serial No. 686,929. 7 Claims. (Cl. 23—185.)

1. Subjecting the solution of smelted sodium compounds recovered from black liquor to the action of lime, insufficient to causticize the entire solution, removing the precipitate, causticizing the remaining solution with lime, and recovering the precipitate.

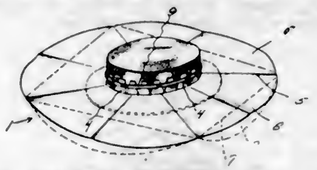
1,587,680. ADJUSTABLE WINDOW SHADE AND DRAPERY HANGER. LULA ROBINSON, Dallas, Tex. Filed Sept. 2, 1924. Serial No. 735,298. 5 Claims. (Cl. 156—27.)

1. In an adjustable curtain and shade hanger, a pair of strips slidable within oppositely disposed channel members; tracks, consisting of a pair of strips adapted to be suitably secured on either side of the window frame, a longitudinally adjustable collar secured to the outer end of one of the channel members and having an L shaped member: said L shaped member slidable vertically upon one of said tracks; a like collar secured to the outer end of one of the metal strips on the opposite end of said hanger, and having an L shaped member adapted to slidably engage the other of the vertical tracks and means for raising and lowering the hanger in relation to the upper half of a window.

1,587,681. SUN AND RAIN SHIELD FOR HATS. LUDWIG F. SCHUMACHER, New York, N. Y. Filed Feb. 26, 1925. Serial No. 11,804. 1 Claim. (Cl. 2—191.)

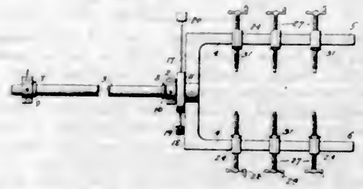
A shield of the class specified comprising a blank of material in the form of a disk having a central opening and having radially disposed fold lines extending from the opening to the periphery and dividing the blank substantially into sectors adapted to be folded upon each other to provide a compact package, the portions of the lines contiguous with the edge of the opening being in

the form of slits to provide a plurality of tabs that may be folded upwardly, said blank being further provided adjacent its periphery with fold lines extending in chords in relation to said periphery and intersecting cer-



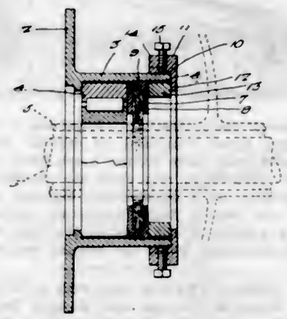
tain of said radial fold lines at right angles intermediate their ends and the other of said radial fold lines at their ends at angles of forty-five degrees thereby marking off flaps adapted to be folded downwardly at an angle.

1,587,682. MOTOR-HOLDING DEVICE. JOSHUA FLOYD SIEGFRIED and ALEXANDER SIEGFRIED, Brigham City, Utah. Filed Sept. 11, 1924. Serial No. 737,101. 3 Claims. (Cl. 29—89.)



1. A support of the character described, including a frame mounted for bodily swinging movement on its longitudinal axis and having parallel spaced arms adapted to receive the member to be supported therebetween, a plurality of slides adjustably mounted on each arm and adjustable one relative to the other, and a clamping member carried by each of the slides and extending transversely of the arms for engagement with the member to be supported.

1,587,683. STUD-RING RETAINER LOCK. JOHN E. SMITH, Arco, Idaho. Filed Apr. 19, 1924. Serial No. 707,715. 1 Claim. (Cl. 308—187.)

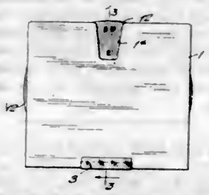


As a new manufacture, means to be incorporated in a conventional rear wheel construction of a well known type of motor vehicle, said means comprising an inner wheel flange formed with an integral tubular extension which is screw threaded externally in one direction and internally in the opposite direction at the free end portion thereof, there being an internal stop at the opposite end of the extension against which a roller bearing is adapted to be disposed, and a safety appliance associated with said extension, said appliance comprising a locking ring threaded upon said external threads and provided with an internally extending flange, a filler ring located in the extension and adapted to rest against said last-named flange, an adjustable retaining ring threaded into said extension and bearing against said filler ring, said locking ring being formed at diametrically opposite points with extensions, and retaining means cooperative with said extensions.

1,587,684. KNITTED CAP AND METHOD OF MAKING THE SAME. PAULA STRASCHILL, née Lorber, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,832. 2 Claims. (Cl. 2—201.)

1. A method of making knitted caps consisting in knitting a flat piece of fabric having a plurality of webs and intervening flat parts and a back ground, removing said background from one end portion, curling the fabric at the part from which the background has been removed to form a rim, gathering the other end portion of the fabric, and uniting the lateral edges of the fabric.

1,587,685. EDUCATIONAL DEVICE. ELBERT R. TILLINGHAST, Upper Montclair, N. J. Filed June 5, 1923. Serial No. 643,598. 13 Claims. (Cl. 35—112.)



1. An educational device for instruction in playing games comprising a frame having a front wall articulately connected thereto for movement toward and from the same, a pivot carried by the front wall so as to project from the rear face thereof, a disc removably pivoted upon said pivot and having upon one face a designation of a selected possible hand or playing condition, and upon the other face a plurality of indications of advisable moves or plays to be made by a player having the hand or condition represented upon the opposite face, said indications being arranged successively in the order in which the plays or moves should be made, said front wall having a sight aperture therein through which the indications are successively visible when the disc is rotated upon said pivot with the indication carrying face disposed against the front wall.

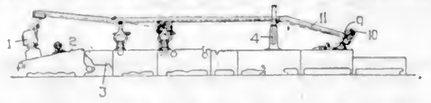
1,587,686. LOCK. GEORGE B. VARNUM, Los Angeles, Calif. Filed Apr. 1, 1924. Serial No. 703,527. 27 Claims. (Cl. 70—72.)

1. In a single nose lock, a bolt adapted to be operated jointly by two keys which are both insertable through the single nose, and means on the nose adapted to prevent withdrawal of one of the keys from the lock while the other key is in the lock.

1,587,687. BISCUIT, BREAD, AND THE LIKE MACHINERY. THOMAS VICARS, Earlestown, England. Filed Dec. 12, 1923, Serial No. 680,211, and in England Nov. 2, 1923. 3 Claims. (Cl. 107—6.)

3. A method of continuously working dough and like plastic material which consists in receiving and forming

said material into a sheet, removing portions from said sheet to reticulate the same, said sheet being formed and reticulated while moving at a predetermined rate of speed, and returning said reticulated sheet to be reformed

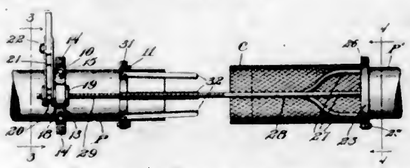


at a greater rate of speed than its speed of movement during forming and reticulating in order to break said sheet up into a plurality of small pieces for uniform distribution and mixture with newly received material.

1,587,688. FOOT APPLIANCE. CHARLES C. WARNER, Cleburne, Tex. Filed Aug. 10, 1925. Serial No. 49,315. 1 Claim. (Cl. 36—37.)

A foot appliance comprising a leather body, the latter including a heel portion, said heel portion being provided with an opening for receiving the protuberant bone of the heel of a foot, the edge of the opening being beveled outwardly toward the upper face of the heel portion of the leather body, a cushioning member disposed over the opening and comprising a felt pad which is fastened on the upper face of the heel portion of the body, the portion of the pad disposed over the beveled edge of the opening being free with respect thereto, and an additional felt pad fastened to the bottom face of the heel portion.

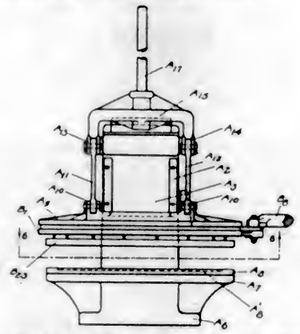
1,587,689. DEVICE FOR APPLYING FLEXIBLE PIPE CONNECTIONS. OSCAR J. WEISS and ARTHUR J. BROWN, Quincy, Ill. Filed Jan. 19, 1926. Serial No. 82,381. 7 Claims. (Cl. 29—88.2.)



1. An apparatus for applying and removing the sleeve connections between the adjacent ends of pipes comprising a collar adapted to be clamped upon one pipe section, a second collar adapted to loosely engage about a second pipe section, a connection between said collars whereby the second collar may be shifted toward or away from the first named collar and a guiding element adapted to be secured to the pipe section to which the connection is to be applied and having a plurality of longitudinally extending figures, the ends of which converge and are arranged upon a radius less than the internal diameter of the connection which is to be applied.

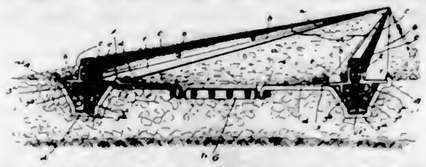
1,587,690. METHOD AND MACHINE FOR ASSEMBLING AND UNITING FRAME MEMBERS. FLOYD D. WENN, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Mar. 18, 1925. Serial No. 16,582. 18 Claims. (Cl. 153—1.)

1. In a machine for uniting complementary frame members serving to bind a medium therebetween of which frame one member is provided with a female part or parts while the other is provided with a hollow expansible male part or parts respectively adapted to nestle within the female part or parts, said machine being equipt with a block abutment means and with a tool carrier comprising a plurality of spindles and simultaneous actuating means therefor, means for moving said carrier toward and away from said abutment, and a crimping tool for each of said spindles, said tool being adapted to enter an expansible frame part and by the turning thereof serving to indent or expand said frame members into interlocking relation.



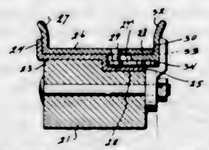
14. The method of assembling a pair of complementary moulding-like frame members about a center medium, said method being performed by a machine equipt with operable frame uniting means, an abutment means, movable means adapted to co-operate with said abutment and provided with gripping devices serving to detachably convey one of the frame members therewith, said method consisting in the following steps, viz: firstly, suspending said one frame member from said movable means and seating its complementary frame member upon the abutment; secondly, inserting the center medium between the separated frame members; thirdly, conveying the suspended frame member into assembled position with respect to said seated frame member; and lastly, actuating the uniting means to secure said frame members to bind the edge of said center medium.

1,587,691. RAILWAY-TRACK STRUCTURE. RICHARD A. WHITTINGHAM, Newark, Del. Filed Oct. 23, 1924. Serial No. 745,466. 14 Claims. (Cl. 238—26.)



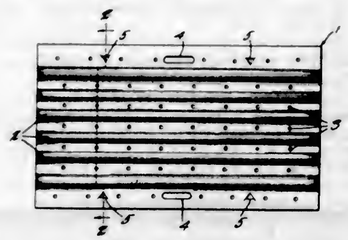
1. A railway track structure comprising a rail and a stringer, the latter composed of similar reversely-arranged plates, each plate having a relatively wide bearing portion adapted to rest upon the roadbed and projecting laterally for a considerable distance beyond the bottom of the rail, a flange projecting upwardly from the bearing portion at the side of the web of the rail, and a web extending below the bearing portion.

1,587,692. DEMOUNTABLE RIM FOR AUTOMOBILES. ORESTA WILKINS, Havana, and HAROLD SMITH, Boonville, Ark. Filed Feb. 10, 1923. Serial No. 618,274. 1 Claim. (Cl. 301—11.)



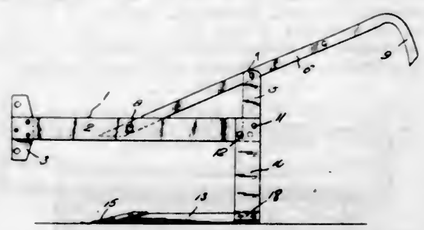
A demountable rim comprising a main rim section including a circular band having at one edge thereof a flange and having upon its inner surface adjacent the opposite edge thereof and at circumferentially spaced points inwardly extending lugs and a continuous complementary rim section of less internal diameter then the main rim section, said complementary rim section comprising a band telescopically engageable with the band of the first named rim section and having at one side thereof a flange limiting such telescopic engagement, the inner face of the band of the complementary section being provided with a plurality of inwardly directed lugs corresponding in number and arrangement to the lugs of the band of the main section, the lugs of one of said bands having mounted thereon hooks engageable with the lugs of the other of the bands to maintain the sections in assembled relation, the inner ends of coacting lugs of the main and complementary rim sections being arranged in common planes and being adapted to seat at their inner ends upon the reduced portion of a wheel felly with which the main rim section is engaged.

1,587,693. ATTACHMENT FOR SINKS. EDITH M. BELAND, Nashua, and HENRY J. BELAND, Franklin, N. H. Filed July 26, 1924. Serial No. 728,381. 1 Claim. (Cl. 141—11.)



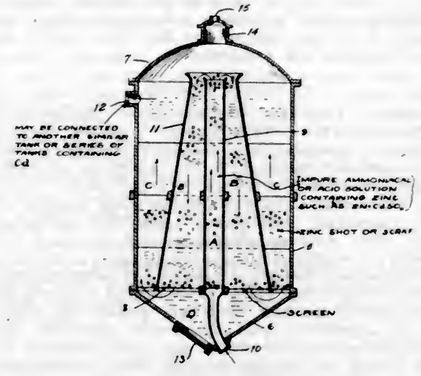
A cover for a sink, comprising a corrugated plate having flat side edges with perforations in the bottoms of the grooves formed by the corrugations, depending tongues formed in the flat portions of the plate for holding it in a position covering the sink or in suspended position at one side of the sink and said flat portions having elongated openings therein forming handles for handling the plate.

1,587,694. PEANUT PLOW. THOMAS C. BROWN, Plevna, Ala. Filed May 28, 1923. Serial No. 641,834. 2 Claims. (Cl. 55—9.)



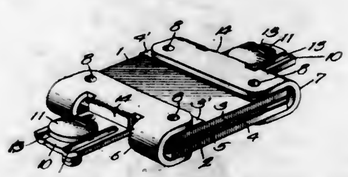
1. A peanut plow including a frame formed with a pair of bars secured together at their front ends to the opposite sides of the draw bar, and diverging rearwardly, a securing and spacing bar mounted between the rear ends of said frame bars securing them in spaced relation, said securing bar having vertically extending end portions, handle bars secured to the central portions of said frame bars and the upper ends of said vertically extending portions of the spacing bar, side bars pivotally mounted on said frame bars at the rear ends thereof and normally extending downwardly therefrom, a pair of cutter bars secured to said side bars and converging toward their forward ends and terminating in substantial contact with one another, a digging point secured to the forward ends of said cutter bars for holding said bars in inclined relation with one another, and breakable means for normally holding said side bars in vertically extending relation with said frame bars.

1,587,695. METHOD FOR THE PURIFICATION OF ZINC SOLUTIONS. THOMAS P. CAMPBELL, Denver, Colo. Filed Sept. 8, 1925. Serial No. 55,022. 5 Claims. (Cl. 23—125.)



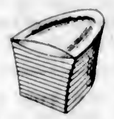
3. The method of purification of impure zinc solutions, which consists in causing the solution to percolate at decreasing velocities through separate compartments containing loosely packed metallic zinc particles.

1,587,696. ELECTROSTATIC CONDENSER. ALVA J. CARTER, Chicago, Ill., assignor to Carter Radio Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1924. Serial No. 699,332. 2 Claims. (Cl. 250—41.)



2. An electric condenser including two plates of insulation; a solid dielectric between said plates of insulation; two electrostatic charge receiving sheets, one individual to each of said insulating plates and interposed between such insulating plate and the dielectric; and a metallic terminal of U form embracing between its sides a side of the condenser and having its sides indented into the insulating plates adjacent thereto, an intermediate bight portion of the terminal being deflected to form an ear for the attachment of a conductor, one of said charge receiving sheets being folded over one of the insulating plates and within said terminal, the aforesaid ear having an angular inner end portion holding the folded portion of the sheet against an end of this plate.

1,587,697. HEEL FOR WOMEN'S SHOES AND METHOD OF MAKING. ALBERT L. CLAPP, Danvers, Mass., assignor to Beckwith Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 7, 1924. Serial No. 697,486. 5 Claims. (Cl. 18—55.)

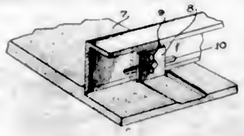


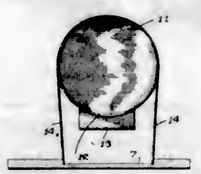
2. The method of making a heel, which comprises fixing together in superposed relation heel lifts cut from wet fiberboard having thermoplastic material therein, molding them under pressure to form biscuits, drying the biscuits so formed, and molding the dried biscuits to heel form under heat and pressure.

1,587,698. PROCESS OF MOLDING ARTIFICIAL STONES WITH INSCRIPTIONS. JOSEPH EDWIN COCHRAN, Memphis, Tenn., assignor of one-half to Ellis T. Crawford, Charleston, W. Va. Filed Oct. 30, 1925. Serial No. 65,897. 3 Claims. (Cl. 25—155.)

1. The method of molding artificial stone monuments, with inscriptions, from plastic composition containing water which comprises affixing the type characters for forming the inscription to an impression plate in the mold by water-soluble cementing material and permitting the material to dry, applying to the characters a coating of water-resisting material which will prevent the water in the composition from immediately dissolving the cementing material but which will permit moisture to pass through and dissolve said cementing material and loosen the type characters after a time, pouring the plastic composition into the mold and allowing the same to set, removing the finished stone, with the type characters adhering thereto, from the mold and then separating the type-characters from the stone.

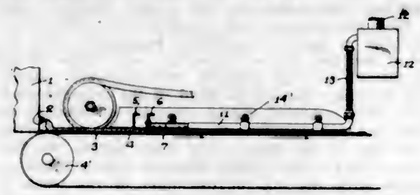
1,587,699. METHOD AND APPARATUS FOR MAKING PAPER. RUPERT B. DANIELS, Adams, Mass. Filed Sept. 16, 1925. Serial No. 56,598. 8 Claims. (Cl. 92—39.)

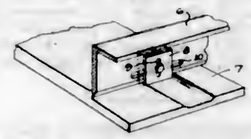




1. In a paper making machine, in combination, a Fourdrinier wire, a slice arranged to cooperate therewith to restrict the flow of stock to form a web of desired thickness, means to additionally restrict the flow of stock at designated intervals along said slice to form designated areas of less thickness, and means to apply air pressure to said areas of less thickness, said means including a hood having side walls adapted to extend into the pulp forming the web to form an air seal.

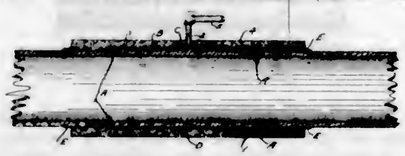
1,587,700. METHOD FOR MAKING PAPER. RUPERT B. DANIELS, Adams, Mass. Filed Feb. 24, 1925. Serial No. 11,068. 6 Claims. (Cl. 92—39.)





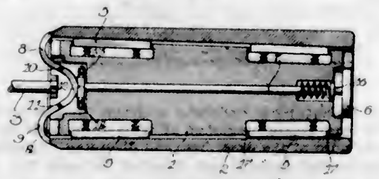
2. The method of making paper of substantially uniform thickness having designated portions of a different thickness which comprises depositing fibrous material to form a web in a layer having portions of different thickness, and maintaining said web in the condition in which formed until set by the removal of water therefrom by the application of fluid pressure to the portion of less thickness.

1,587,701. PROCESS FOR REPAIRING WATER PIPES. THOMAS DE LA MARE, Tooele, Utah. Filed June 11, 1924. Serial No. 719,444. 2 Claims. (Cl. 137—99.)



1. A process for repairing and preserving pressure pipe while it is in use for carrying liquids, which consists of cleaning the exterior surface of said pipe and applying creosote to the defective portions of the pipe; surrounding said defective parts with a patch of plastic cement; covering said patch and all portions of said pipe, which are within the area of said patch, with a thin sheet of watertight material, which sheet has an opening therein to allow all leakage water to flow through said opening; then binding said sheet tightly around said pipe to direct and force all leakage water through said opening; then surrounding a section of said pipe, adjacent to the said sheet and extending in both directions beyond the ends of said sheet, by a layer of plastic concrete, and when said concrete is set plugging the said leakage opening.

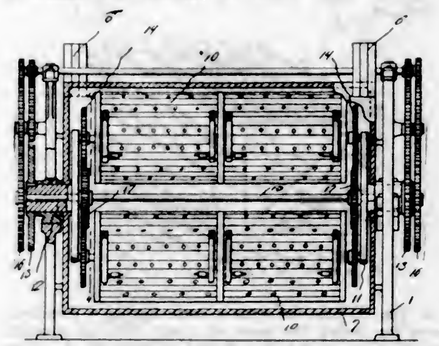
1,587,702. DICTAPHONE MANDREL. JOHN A. DIENNER, Chicago, Ill. Filed May 18, 1921. Serial No. 470,587. 12 Claims. (Cl. 274—10.)



1. In a sound recording and reproducing machine the combination with a sound record cylinder of a tapered mandrel adapted to support and rotate said record cylinder and pivoted members whereby said record cylinder

may be moved longitudinally towards the small end of said mandrel, and means disposed co-axially of the mandrel and movable relative to the mandrel for effecting the operation of the pivoted members.

1,587,703. WASHING MACHINE. TINIUS DISCH, Roselle, N. J. Filed Apr. 2, 1925. Serial No. 20,237. 2 Claims. (Cl. 68—18.)



1. In a washing machine of the class described, a stationary tub, a pair of clothes cylinders in said tub for simultaneous rotation and revolution about the horizontal axis of said tub, spider arms being connected to the cylinders and located in the tub between the ends of the cylinders and the ends of the tub, each spider including a tubular shaft rotatable in the adjacent end of the tub, a relatively rotatable shaft journaled for rotation in each tubular shaft, and planetary gearing in association with said second named shafts and said spiders, for accomplishing said simultaneous rotation and revolution of said cylinders in the tub.

1,587,704. COMPOSITE PIGMENT AND METHOD OF MAKING THE SAME. HENRI DOURIF, Huntington, W. Va. Filed Apr. 1, 1924. Serial No. 703,494. 5 Claims. (Cl. 134—58.)

1. A process of making a composite pigment, which comprises adding to a suspension containing ultramarine pigment largely in a substantially non-settling state of fineness, a solution containing a chromate and a solution containing a salt of a metal capable of reacting with such chromate with the production of a precipitate of a chromate of such metal, whereby the composite pigment is precipitated.

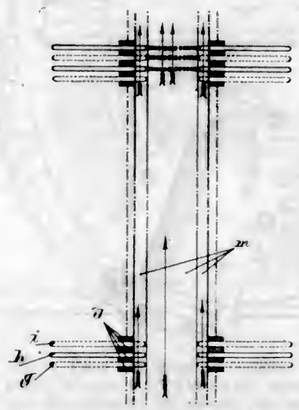
1,587,705. AUTOMOBILE SEAT. JOE FRANK DOZIER, Nashville, Tenn. Filed Aug. 4, 1924. Serial No. 730,025. 3 Claims. (Cl. 155—187.)

1. In a seat, a pair of side frames comprising spaced upper and lower bars connected at their ends by curved end portions, transverse rods rigidly connecting the lower bars of said frames and arranged in the horizontal plane of said bars, other transverse rods rigidly connecting the curved end portions of said frames and arranged below the plane of the upper bars thereof, the whole forming a unitary rigid structure, and a flexible cover stretched across and connecting the pair of side frames at the outside thereof and extending down beneath the lower bars of said frames, the ends of the cover at each side being adjustably connected at the bottom, the cover terminating short of the front and rear ends of the side frames so as to leave the front and rear ends of the seat open thereby providing for ventilation.

1,587,706. PORTABLE SEAT. JOE F. DOZIER, Nashville, Tenn. Filed Feb. 10, 1925. Serial No. 8,237. 1 Claim. (Cl. 155—187.)

In a seat, the combination of a lower rectangular frame, an upper frame having resilient front and rear rails rigidly secured midway of their ends to corresponding rails of the lower frame and having their end portions extending upwardly and outwardly and connected by side rails formed integrally therewith, the said end rails of the upper frame resiliently supporting the upper side rails in spaced relation to the side rails of the lower frame, the space between the frame members being greater at the front than at the rear, a covering stretched across the side rails of the upper frame with its ends passed beneath the side rails of the lower frame, each end of the covering being provided with a row of eyelets, and a lacing connecting said eyelets.

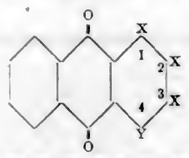
1,587,707. THERMOELECTRIC BATTERY. GABRIEL DUCH, Lyon, France. Filed Apr. 24, 1925, Serial No. 25,541, and in France June 20, 1924. 1 Claim. (Cl. 136—4.)



A thermo-electric battery comprising a series of superposed elements each constructed of wires or ribbons formed of two thermo-electric metals arranged radially and alternately and connected so as to form a flat annular structure having gaps in the continuity of its inner and outer periphery, terminals on each of said elements, annular washers arranged constructed of heat insulating material between individual elements of said series and concentrically there with said washers having such internal and external diameters that the inner peripheries of said elements lie slightly within the inner peripheries of said washers and the outer peripheries of said elements project considerably beyond the outer peripheries of said washers, means electrically connecting the respective terminals of the elements, a tapered tubular combustion chamber lying within the inner peripheries of said washers and elements, a cylindrical member of low heat conductivity within said combustion chamber and means connecting said elements and washers to form a rigid structure.

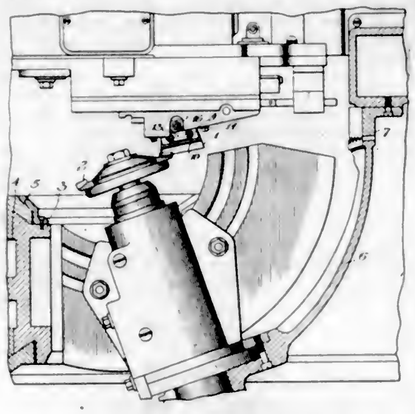
1,587,708. PROCESS OF DYEING CELLULOSE ESTERS AND CELLULOSE ETHERS. WALTER DUISBERG and WINFRIED HENTRICH, Leverkusen, CLAUS WEINAND, Cologne-on-the-Mulheim, and LUDWIG ZEH, Leverkusen, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed June 8, 1925, Serial No. 35,770, and in Germany June 26, 1924. 4 Claims. (Cl. 8—5.)

1. Process of dyeing organo-oxy-cellulose materials which consists in applying thereto ortho-aminoanthraquinone sulfonic acid compounds of the general formula



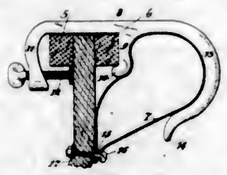
in which one X stands for an amino group and an X in ortho position thereto stands for a sulfo group, the third X stands for hydrogen and Y stands for hydrogen, halogen, a carbon radicle or a S-carbon radicle.

1,587,709. GEAR-GENERATING MACHINE. SCHUYLER H. EARL, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Oct. 4, 1924. Serial No. 741,582. 5 Claims. (Cl. 90—9.)



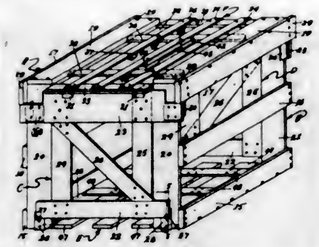
1. In a machine for producing gears, a tool, a blank support, means for reciprocating the tool across the face of the blank and means for adjusting the tool to vary the inclination of its cutting edge relative to the face of a tooth to be cut to thereby vary the pressure angle of the gear being cut.

1,587,710. PORTABLE SPONSON FOR CANOES. ANTHONY FIALA, Brooklyn, N. Y. Filed Sept. 3, 1925. Serial No. 54,332. 2 Claims. (Cl. 9—3.)



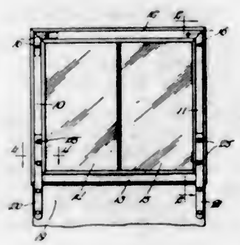
1. A bracket for securing inflatable tubes detachably to the gunwales of a canoe or boat, having opposing arms to embrace the gunwale, a clamp on one gunwale arm, and a rigid arm outside the outer gunwale arm curved downwardly to receive from below and bind the inflated tube between it and the outside of the canoe.

1,587,711. COLLAPSIBLE CRATE. CORNELL FLAGSTAD and OSCAR A. FLAGSTAD, Minneapolis, Minn. Filed July 25, 1924. Serial No. 728,143. 2 Claims. (Cl. 217—56.)



1. The combination with a crate having a detachable cover for closing the same, of a pair of levers pivotally secured near diagonally opposed corners of the cover, said levers having short arms for initial engagement with the crate and relatively long arms for secondary engagement with the crate, means for limiting the outward swinging movement of the long arms and a locking member for releasably limiting the inward movement of the long arms.

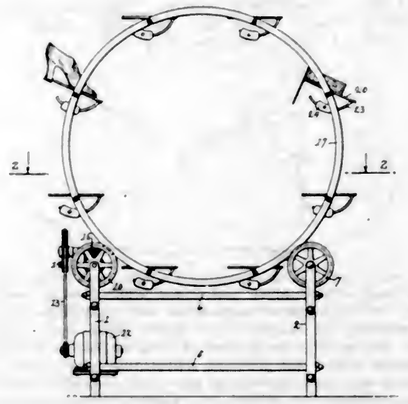
1,587,712. INCLOSURE FOR AUTOMOBILES. JOSEPH J. FOLEY, Chicago, Ill. Filed May 31, 1924. Serial No. 716,878. 3 Claims. (Cl. 296—44.)



3. A vision panel for closing the space between the upper edge of the side of an automobile and the side edge of the roof of the automobile comprising a rectangular frame of metal tubing having vertical sections and horizontal sections, some of the said sections having a main tubular portion and having a pair of reentrant channels located side-by-side to receive the edges of two panes of glass, one of said channel portions extending laterally beyond the main tubular portion, and a bracket secured to said frame and lying in the angle formed by the main body portion and the laterally extending portion of said channel.

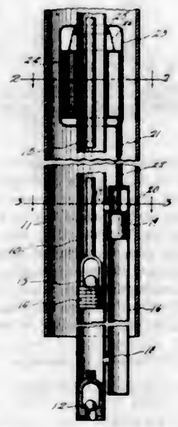
1,587,713. ADVERTISING DISPLAY RACK. LEONARD FRANZEN, Brooklyn, N. Y., assignor to Viking Tool & Machine Co., Inc., a Corporation of New York. Filed Jan. 6, 1925. Serial No. 795. 2 Claims. (Cl. 211—20.)

1. An advertising display rack comprising a base frame, a plurality of flanged wheels thereon, means for rotating certain of said wheels, a cage consisting of a pair of spokeless rings and cross rods connecting said rings resting on the flanged wheels and adapted to be



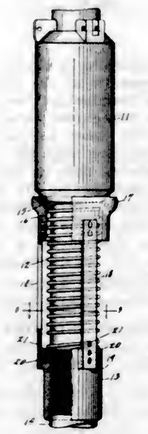
rotated thereby, shelves carried by said cage and means for holding said shelves at a predetermined angle to the vertical during rotation of the cage.

1,587,714. AUTOMATIC FLUID CUT-OFF FOR OIL WELLS. CHARLES E. FRAZIER, Casper, Wyo., assignor to Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed MAR. 6, 1924. Serial No. 697,185. 8 Claims. (Cl. 103—41.)



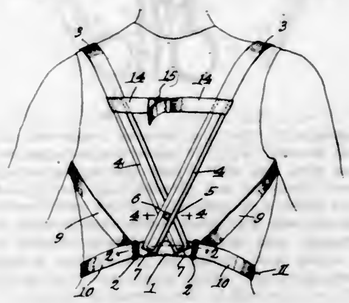
1. In an automatic fluid cut-off for oil wells, a working barrel through which the oil is elevated, a plunger in the barrel, a by-pass connecting the barrel above and below the plunger, and means disposed in communication with the oil supply for said barrel and automatically operated by the oil level in the well for opening and closing said by-pass.

1,587,715. DEFLECTOR FOR SLIP ACTUATING WEIGHTS. CHARLES E. FRAZIER, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Apr. 13, 1925. Serial No. 22,720. 12 Claims. (Cl. 123—219.)



1. The combination with a slip actuating weight, of a deflector collar having its upper end open therearound, the weight being exposed above the collar, and means extending from a point below the collar for immovably supporting it under the weight.

1,587,716. SHOULDER BRACE, CHEST, AND LUNG EXPANDER. LEWIS A. FRITSCH, Cincinnati, Ohio. Filed Nov. 14, 1925. Serial No. 69,147. 1 Claim. (Cl. 2—44.)

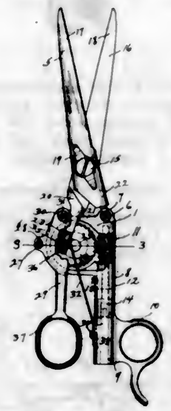


In a device of the class described, a back piece provided with guides, shoulder loops having their rear portions crossed upon each other and connected to the back piece, flexible stays in the rear portions of the shoulder loops, a pivot element connecting the stays and the shoulder loops at their point of crossing, the forward portions of the shoulder loops being extended rearwardly through the guides, to slide therein, said rearwardly extended portions of the loops being prolonged laterally in opposite directions, from the guides, to fashion a body-encircling belt, of which the back piece forms a part, means for adjustably connecting together the ends of the belt, and means for adjustably connecting together the rear portions of the shoulder loops at points near to the upper ends of the stays.

1,587,717. CLOTHES BOILER. VERNON A. GARDNER, Angier, N. C. Filed July 11, 1923. Serial No. 650,943. 1 Claim. (Cl. 68—30.)

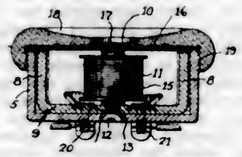
A wash boiler comprising a clothes receptacle having its corners flared inwardly at the closed bottom thereof and provided at the terminal of the said flared portion with a water drum whose side walls are inclined away from each other to the closed bottom thereof to provide a restricted communication with the receptacle, said receptacle having depending from its bottom, inward of the drum, spur tubes, each having its side walls inclined outwardly to the closed bottom thereof to provide restricted openings which communicate with the receptacle, and said spur tubes terminating a distance above the bottom of the drum, and the drum, below the spur tubes providing a combustion chamber.

1,587,718. AUTOMATIC SCISSORS. PASQUALE GENTILE, Youngstown, and FRANK DE JUTE, Niles, Ohio. Filed July 3, 1924. Serial No. 723,922. 1 Claim. (Cl. 30—13.)



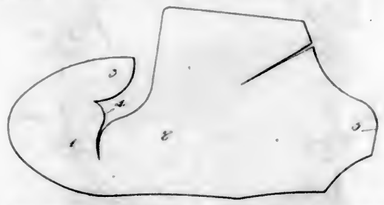
A mechanically operated scissors, comprising a relatively flat housing, a pair of scissor blades supported and extending from one end of the housing, in substantial alignment therewith and pivoted together beyond the housing, a slidably mounted worm wheel within said housing, a worm gear positioned within said housing, means for actuating said worm gear, a lever control means pivoted within said housing for the purpose of engaging and disengaging said worm wheel and worm gear, substantially as described for the purpose set forth.

1,587,719. TELEPHONE RECEIVER. HUGO GERNSBACK, New York, N. Y. Filed Nov. 15, 1923. Serial No. 674,808. 6 Claims. (Cl. 179—119.)



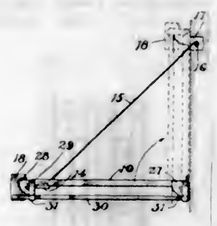
5. In a telephone receiver, a case having a diametrically extending cavity in the bottom of the same, a magnet yoke having a back portion seated and held against turning in said cavity and a central polar projection and screw means engaged with said central polar projection for securing the magnet structure in the case.

1,587,720. SNAGPROOF SHOE. PHILIPPE GIBEAU, Seattle, Wash. Filed Apr. 10, 1924. Serial No. 705,638. 1 Claim. (Cl. 36—45.)



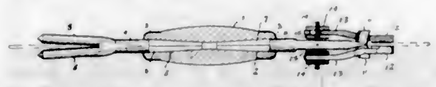
A shoe upper blank including a single piece of material providing a full upper and vamp aside from a wedge piece, a wedge piece incorporated with said single piece of material to complete the upper blank, said single piece of material being formed with a line of division designed when the piece is folded into shoe form to provide the upper and vamp and to be connected on the line of division to complete the vamp, a lining secure to the inner side of the vamp and having an integral tongue, a supplemental tongue secured to said tongue and to the vamp, and another tongue secured to the supplemental tongue and to the edge of the vamp.

1,587,721. AWNING FRAME. HARRY M. GOLDBERG, San Francisco, Calif., assignor to H. M. Goldberg Co., San Francisco, Calif., a Partnership. Filed Jan. 31, 1925. Serial No. 5,937. 6 Claims. (Cl. 156—42.)



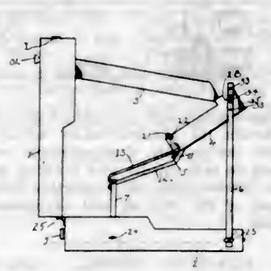
1. The combination with a foldable awning having a frame consisting of side arms pivotally connected to a suitable supporting structure, a connecting bar connected to the outer ends of the arms, of a rigid sign support arranged adjacent said connecting bar and mounted for rocking movement, and a member disposed adjacent to each side arm and extending from the supporting structure to said sign support and operatively connected to the latter to positively act upon the sign support to maintain the latter in upright position in any position of the awning.

1,587,722. SCRAPER-SETTING TOOL. JOSEPH GRELLER, Houston, Tex. Filed Mar. 30, 1925. Serial No. 19,458. 5 Claims. (Cl. 29—83.)



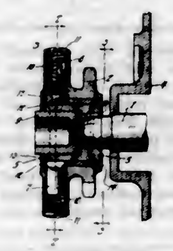
1. A scraper setting tool including a shank, a grip carried thereby, one end of the shank having diverging friction members, and spaced guides carried by said end of said shank.

1,587,723. NAIL STRIPPER. HERBERT C. HAMER, Clovis, Calif., assignor of one-half to Warren E. Sadler, Santa Ana, Calif. Filed Mar. 17, 1924. Serial No. 699,725. 9 Claims. (Cl. 1—49.7.)



1. In a nail stripper, a box, a cover hinged thereto, a hopper secured to said cover and adapted to extend over said box, a chute pivotally secured to said hopper, a single standard adapted to support said chute and said hopper, said standard being provided with means whereby the height of said chute may be adjusted, one or more sets of nails guides secured at one end to said chute, a pair of cross-bars for securing the other ends of said nail guides, means on said cross-bars for adjusting the distance between said nail guides, a pair of supporting arms for supporting said cross-bars, and means on said arms for adjusting the height of said cross-bars and said nail guides, substantially as described.

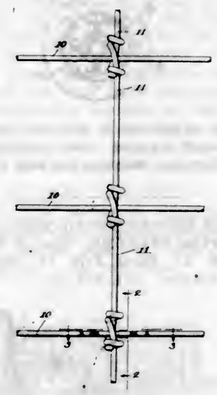
1,587,724. POWER-IMPULSE EQUALIZER. WILLIAM S. HARLEY, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 13, 1920. Serial No. 430,257. 4 Claims. (Cl. 74—29.)



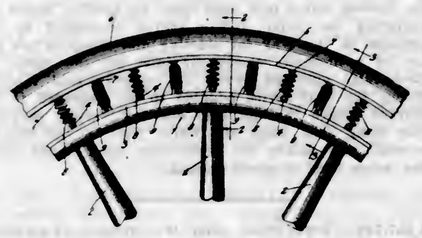
2. A power impulse equalizer for an engine comprising an annular fly wheel provided with radial recesses extending inwardly from the periphery thereof, spring pressed plungers carried by said recesses and a sleeve within said fly wheel attached to the engine shaft carrying cam faces arranged to co-operate with the spring pressed plungers to equalize the power variations.

1,587,725. WIRE FENCING. JAMES B. HARRIS, Janesville, Wis., assignor to Janesville Fence & Post Co., Janesville, Wis., a Copartnership. Filed Mar. 8, 1926. Serial No. 93,091. 4 Claims. (Cl. 245—12.)

1. Wire fencing comprising line wires and stays extending transversely of said line wires, said stays having openings through which the line wires extend and having contact with said line wires in the planes of said stays transverse to said line wires only, thus leaving said line wires free for pivotal movement relative to said stays in the plane of the fence, the line wires being bent at the point of crossing of said stays and at two spaced points at each of the opposite sides of the stays forming lugs closely adjacent the stays and at each side thereof to hold the stays from displacement along the line wires.



1,587,726. RESILIENT WHEEL. JOHN S. HARRIS, St. Louis, Mo. Filed June 16, 1924. Serial No. 720,220. 2 Claims. (Cl. 152—32.)



1. A wheel comprising a metallic felly member, a row of eyelets inwardly from each side edge of said member, an outer tire ring member of the full width of the felly member encircling and spaced from the felly member, a row of eyelets on the inside and inwardly from each side edge of said tire ring member, two series of radial coiled springs connecting eyelets on said tire ring member with corresponding eyelets on said felly member and having their outer sides throughout their length spaced inwardly from the planes of the side edges of said felly and tire ring members and protected thereby, and series of inclined springs having their inner ends connected to eyelets on said felly member in annular alinement with the eyelets to which said radial springs are connected and their outer ends connected to eyelets near the opposite side edge of said tire ring member in annular alinement with the eyelets to which said radial springs are connected and being throughout their length within the space between the planes of the side edges of said felly and tire ring members.

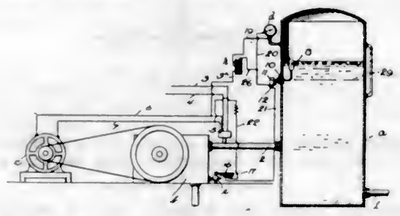
1,587,727. ROTARY DRIER. WILLIAM A. HARTT, Blasdell, N. Y., and FRANK W. MOORE, Thorold, Ontario, Canada. Filed Sept. 30, 1925. Serial No. 59,524. 3 Claims. (Cl. 34—6.)

1. A drier comprising a rotary shell and a hollow internal conductive mandrel extending through said

shell and rotating therewith, a burner nozzle disposed in alinement with the hollow mandrel to project a flame

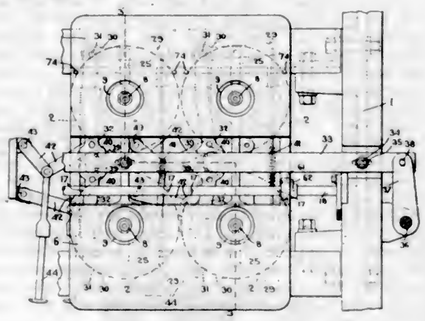
therein at the intake end of the drier and flanges longitudinally of said mandrel, and comprising radial ribs and lateral retaining members on said ribs.

1,587,728. AIR-REPLENISHING MEANS FOR WATER-DISTRIBUTING SYSTEMS. CARL J. HOMBACH, North Caldwell, N. J. Filed July 15, 1925. Serial No. 43,803. 5 Claims. (Cl. 103—7.)



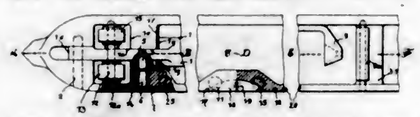
1. In a water-distributing system, the combination with a pressure tank having an air chamber, a pump for forcing water into said tank, an electric motor for operating the pump and a switch controlled by the pressure in the tank for starting and stopping the motor, of a normally closed air inlet for the pump, an electrically operated device for opening said inlet, a circuit for said device adapted to be connected to the current source through said starting switch, said circuit being open when the water level in the tank is normal, and means for completing said circuit when the water level is above normal.

1,587,729. TWISTING AND WINDING APPARATUS. CHARLES W. HUBBARD, Weston, Mass. Filed May 19, 1923, Serial No. 640,110. Renewed Nov. 6, 1925. 14 Claims. (Cl. 118—1.)



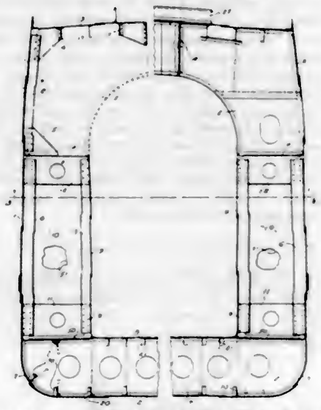
1. In a winding and twisting machine, the combination with a rotary yarn container and a winding head to wind a yarn mass therein, of a vertically-moving step bearing for said yarn container, said bearing when lowered permitting the yarn container to be removed from the winding head, and pneumatic means for raising the yarn container into operative position.

1,587,730. SHUTTLE. JOHANNES RUDOLF PAUL IRMISCHER, Saalfeld-on-the-Saale, Germany. Filed Mar. 19, 1924, Serial No. 700,319, and in Germany Mar. 24, 1923. 18 Claims. (Cl. 139—202.)



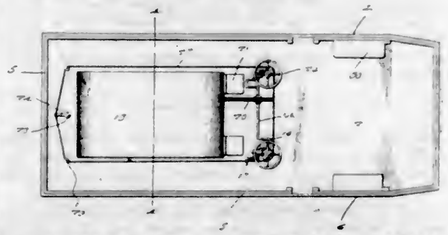
1. The combination with a shuttle-body and a spindle mounted therein, of antifrictionally acting supporting means on the shuttle-body, a substantially longitudinally recessed head on said spindle, and pivoting means on the shuttle-body intermediate the supporting means and the adjacent end of the shuttle, and engageable with the recessed head.

1,587,731. FLOATING VESSEL. JOSEPH WILLIAM ISHERWOOD, Chislehurst, England. Filed Oct. 7, 1924. Serial No. 742,235. 5 Claims. (Cl. 114—79.)



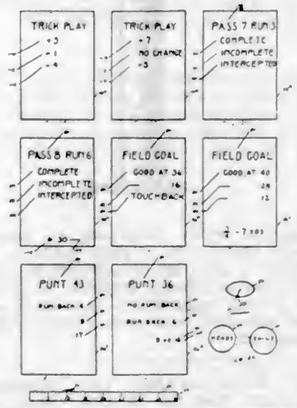
1. A vessel provided with a plurality of strong deep transverse frames and beams spaced from 12′ to 24′ apart, with a plurality of intermediate and relatively shallow transverse frames spaced on the sides of the vessel between said deep transverse frames, and with wing tanks whose inner walls are spaced from the sides of the vessel a distance equal to the depth of said first named transverse frames, said vessel in its sides being devoid of longitudinally disposed frames but provided with longitudinal frames in its bottom and deck portions.

1,587,732. MARINE PEDOMOTOR. ELLIS ISKOWITZ, Baltimore, Md. Filed Feb. 21, 1925. Serial No. 10,845. 1 Claim. (Cl. 115—20.)



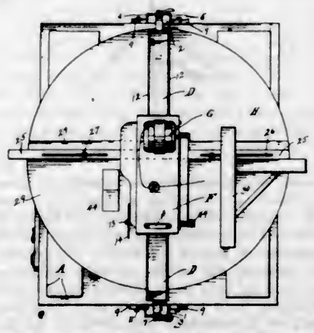
In a marine pedomotor including a floor, side and end walls extending upwardly from the floor, a pair of air tanks extending longitudinally on the bottom of the floor, said floor being provided with an enlarged opening, a pair of upstanding brackets secured on the floor adjacent the longitudinal sides of the opening, a transverse shaft journaled at its respective ends in the upper portions of the brackets, a paddle wheel mounted on said shaft and extending through the opening, a casing over said paddle wheel and said bracket, a crank shaft supported forwardly of the casing and arranged parallel with respect to the aforementioned shaft, aligning sprocket wheels on the respective shafts, a sprocket chain extending over the sprocket wheels and adapted to extend through an opening provided therefor in the front side of the casing, foot cranks on the crank shaft for actuating the same, and means for steering the pedomotor.

1,587,733. FOOTBALL-STRATEGY GAME APPARATUS. FRANCIS W. JACOB, Providence, R. I. Filed Dec. 26, 1925. Serial No. 77,899. 18 Claims. (Cl. 273—94.)



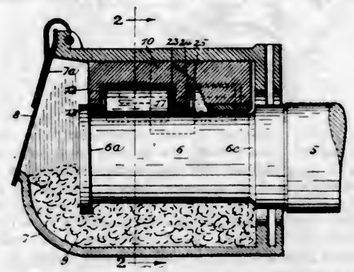
7. In a football game apparatus, a board having goals and graduations in simulation of a football field, a piece in simulation of a football adapted to be moved over the face of the board, offensive play control cards, each card bearing specific indicia of the exact nature and direction of play whereby the card indicative of the desired play may be selectively chosen by the offensive player and laid face down, and play success cards adapted to be individually turned in shuffled rotation face down by another person card for card with the offensive play control cards, each card having graduated indicia of success thereon.

1,587,734. WOODWORKING MACHINE. SWEN O. JACOBS and EZEKIEL JACOBS, Sugar, Utah. Filed Feb. 25, 1924. Serial No. 694,848. 2 Claims. (Cl. 144—1.)



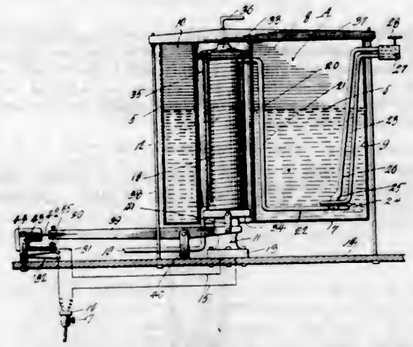
1. A machine of the class described comprising a supported frame on which is an annular member; a table top concentrically mounted within said annular member and rotatable in either direction; a gauge strip on the edge of said table top having catch engaging recesses therein, spaced apart to represent degrees of a circle as to the circumference of the table top; adjustable standards on each end of said frame adapted to be tilted and held at any angle to the right or left of the vertical plane; a frame pivoted at each end to said standards; a tool block slidable on said frame; a shaft mounted on said tool block connected by a belt with a motor carried and mounted on said tool block; a saw on one end of said shaft and a tool chuck on the other end of said shaft; gauge strips diametrically positioned and adjustably secured on said table top.

1,587,735. CAR-AXLE JOURNAL BEARING. JOSEPH L. MORGAN, Denver, Colo., assignor to Granby Hillyer, Denver, Colo. Filed June 18, 1923. Serial No. 646,152. 2 Claims. (Cl. 308—180.)



1. A journal bearing comprising, in combination, a body including upper and lower sections respectively having alined long and short recesses and corresponding openings, and said recesses and openings in adjacent rows being arranged in staggered relation, rollers arranged in said recesses and projecting through said openings, and shafts journaled between said sections and having the rollers mounted thereon, and means for keying said shaft to said upper and lower sections.

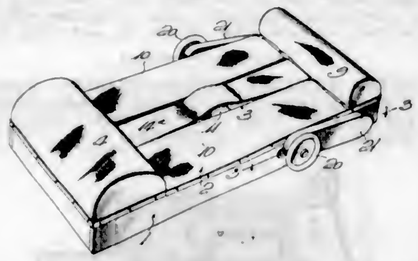
1,587,736. PARAFFIN-WAX SPRAYER. CHARLES E. SCHENCK, Clearwater, Fla. Filed Mar. 24, 1924. Serial No. 701,528. 4 Claims. (Cl. 91—45.)



1. A device for spraying paraffin comprising a tank for receiving paraffin, a pipe for spraying paraffin having one end immersed in the paraffin, a spraying nozzle carried by the opposite end of the pipe, means for controlling the flow of paraffin through the nozzle, an intake head carried by the lower end of the paraffin spraying pipe, a screen arranged in said head, a vertical flue extending through the tank, a heater in the flue, a pipe for air coiled about said heater, a feed pipe for compressed air connected with one end of the coil, a sub-

stantially U-shaped pipe immersed in the paraffin and having one end connected with the outlet end of the coil and its opposite end connected with the spraying nozzle, a part of the U-shaped pipe being coiled about the intake head, and means for controlling the current flowing through the heater.

1,587,737. SPINE-TREATING DEVICE. WILLIS H. TRUMBULL, Lothair, Mont. Filed July 9, 1925. Serial No. 42,506. 7 Claims. (Cl. 128—57.)

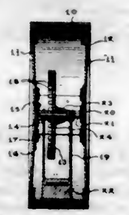


1. A spine treating device comprising an elongated body support upon which the patient lies, said support having a longitudinal slot and being adapted to engage the patient's back at opposite sides of the spine, a spine treating roller whose upper portion is received in said slot, said roller being of convex formation in a direction transverse to said slot, means mounting said roller for movement longitudinally of the slot, and means for effecting such movement of the roller.

1,587,738. ELECTRIC MOTOR. HOWARD A. WHITESIDE, New York, N. Y. Filed Feb. 11, 1919, Serial No. 276,449. Renewed Aug. 19, 1925. 8 Claims. (Cl. 172—15.)

5. In a motor in combination, an insulating casing having an integral bushing, a tool holder, means engaging said bushing for rigidly supporting said holder on said casing, a rotor supported in said casing and adapted to be connected to said tool holder, and means for insulating said tool holder from said rotor.

1,587,739. TOY. GUY R. WILLIAMS, Attleboro, Mass. Filed Oct. 8, 1924. Serial No. 742,468. 7 Claims. (Cl. 46—48.)

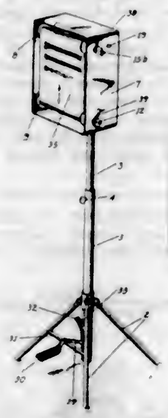


1. A rolling toy comprising a cylindrical housing, yieldable end walls mounted upon the opposite ends of said housing, and tumbling means within said housing for causing the toy to assume a tumbling motion when rolled upon a smooth surface, said tumbling means comprising a pair of telescoping shafts mounted inwardly and axially of said end walls, a weight loosely mounted upon said shafts, and locking means upon said shafts for locking the weight in a predetermined position.

1,587,740. SUPPORT FOR PLANTS AND BUSHES. GEORGE E. WISWELL, New Sharon, Iowa. Filed Feb. 27, 1925. Serial No. 11,949. 1 Claim. (Cl. 47—45.)

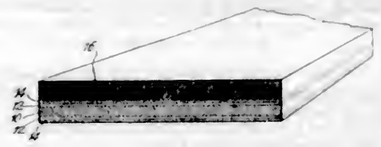
A supporting device, comprising an angle-bar post formed with spaced holes at right angles to each other and arranged in pairs spaced altitudinally, the holes of each pair being in different altitudes; and loops formed with end portions adapted to be received in any pair of said holes selectively, said loops extending transversely of said post.

1,587,741. MUSIC STAND. IVAN ANDERSON, Sacramento, Calif. Filed Apr. 13, 1925. Serial No. 22,922. 4 Claims. (Cl. 40—28.)



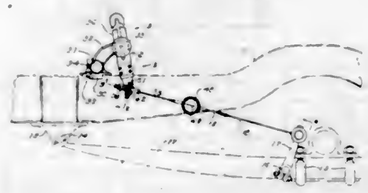
1. A music stand including a pedestal, a stem slidably mounted therein for vertical adjustment, a casing supported by the stem and arranged for swivel movement relative thereto in a vertical plane, music-roll supporting spools mounted in spaced relation in the casing, a mechanism for rotating one of the spools including an operating pedal mounted in a fixed position on the pedestal, and means whereby said mechanism may function without adjustment or interference regardless of the adjustment of the stem in the pedestal and of the casing on the stem.

1,587,742. RUBBER-COATED METAL AND METHOD OF PRODUCTION. EDWARD S. AVERY, East Hampton, N. Y. Filed Dec. 18, 1925. Serial No. 76,280. 7 Claims. (Cl. 18—59.)



1. In the production of rubber coated metallic articles, the method which consists in galvanizing a body of metal, plating the same with an alloy of copper, zinc and antimony and vulcanizing a layer of rubber thereto.

1,587,743. GAUGING MECHANISM AND METHOD OF USING THE SAME. WALTER C. BAKER, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 19, 1919. Serial No. 298,062. 5 Claims. (Cl. 33—181.)

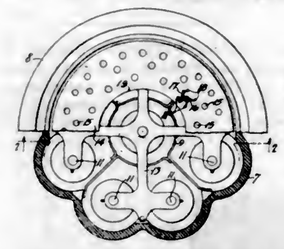


1. In apparatus of the class described, the combination of means adapted to be attached to a movable part, the correct position of which is to be determined, a pivot on said means, means for adjusting said pivot to different positions with relation to said part, a pivot adapted to be ranged on a member relative to which said part has movement, a connection between said pivots, and means in said connection for indicating variations in the distance between said pivots due to relative movements of said part and said member.

5. The method of determining the proper location of the pivot connections of the brake-operating mechanism of a motor vehicle, which has an axle connected to the vehicle frame through a spring and a brake lever so pivoted as to partake of the bodily movement of the axle, which method consists in providing said lever and frame each with an adjustable pivot, turning the axle by applying torque repeatedly thereto and determining the resulting variations in the distance between said pivots on the frame and lever respectively, and meanwhile adjusting said pivot on said lever until such variation is a minimum, repeatedly pressing the frame towards the axle and again determining the resulting variations in the distance between said pivots and meanwhile adjusting the pivot on the frame until the variation is again a minimum.

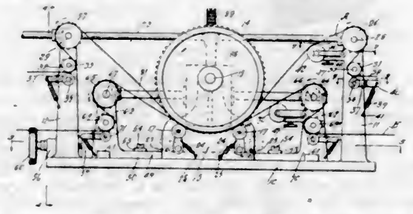
1,587,744. LOADING-COIL CASE. ADOLPH F. BANDUR, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,796. 5 Claims. (Cl. 178—46.)

2. In combination, a loading coil case, a plurality of loading units mounted therein, each of said units comprising a phantom circuit loading coil and a plurality of side circuit loading coils, means for reducing the phantom circuit to side circuit cross talk comprising a plurality



of inductance coils connected to said loading units, and means for mounting said inductance coils above said loading units.

1,587,745. MACHINE FOR COLORING MOTION-PICTURE FILMS. JAMES T. BARKELEW, near Pasadena, and WILLIAM L. CONNOR, Los Angeles, Calif., assignors to Famous Players Lasky Corporation, Los Angeles, Calif., a Corporation of New York. Filed Apr. 8, 1924. Serial No. 705,121. 8 Claims. (Cl. 101—130.)

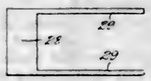


1. In a machine of the class described, the combination of a revoluble drum, means to independently support two films in movable superposed relation on the periphery of said drum, said film holding means being positively driven to effect simultaneous movement of said films and arranged to hold the films in pressurable contact on the drum, and means in connection with said film holding means to longitudinally shift one of said films bodily, relative to the other, during movement, to effect their registration.

1,587,746. BIT. PIERRE BASMAISON, San Francisco, Calif. Filed Dec. 15, 1923. Serial No. 680,892. 3 Claims. (Cl. 145—17.)

3. A plane bit comprising a cutter blade having a rabbet formed in the end thereof, a cutter arranged in said rabbet, resilient means for retaining said cutter in said rabbet, and a resilient clamp plate normally free of said cutter and adapted to be pressed into clamping contact with the cutter by the wedge of the plane.

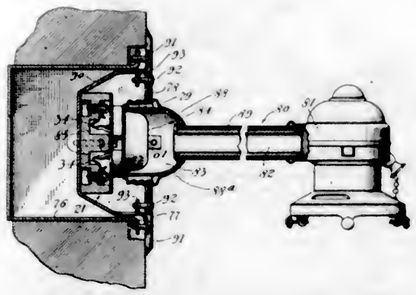
1,587,747. NEGLIGEE-SHIRT PRESS. DANA H. BENJAMIN, Cleveland Heights, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 23, 1917, Serial No. 150,468. Renewed Dec. 9, 1921. Serial No. 521,249. 7 Claims. (Cl. 68—9.)



1. A skeleton form on which shirts are dressed while pressing the same in a pressing machine, said form having

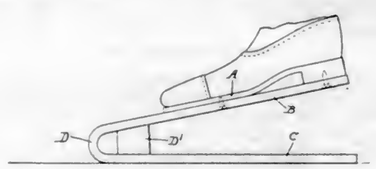
a base or body portion adapted to lie under the shirt yoke and parallel side edge portions, the central portion of said form being open.

1,587,748. OUTLET FITTING. REUBEN B. BENJAMIN, Chicago, Ill., and THOMAS H. HARRIS, Dayton, Ohio, assignors, by direct and mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1917. Serial No. 155,910. 3 Claims. (Cl. 173—330.)



3. In combination with an outlet box having a cover plate, a pipe connection, a plug and a sectional electrical connection for a light fixture, one section being secured to the box and the other being supported by the pipe, of a collar on the inner end of the said connection to which the section is connected, the plug made rotatable on the pipe connection and having a detachable engagement with the cover plate and engaging the collar at its inner end.

1,587,749. PROPULSIVE-SPRING FOOT SUPPORT. ALBERT S. BIERLY, Chicago, Ill. Filed July 14, 1924. Serial No. 725,846. 3 Claims. (Cl. 272—70.)

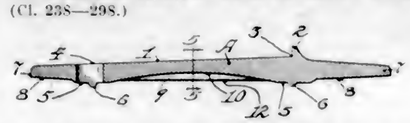


1. In a yielding propulsive support, a generally flat relatively extended ground engaging member, a foot supporting member in rotatable relation with the forward end thereof, and yielding means interposed between said foot engaging member and said ground engaging member adapted to rotate the rear end of the foot engaging member a substantial distance above said ground engaging member.

1,587,750. IMPERVIOUS MATERIAL AND PROCESS OF MAKING THE SAME. WARREN F. BLEECKER, Boulder, Colo. Filed Mar. 3, 1922. Serial No. 540,901. 10 Claims. (Cl. 18—47.5.)

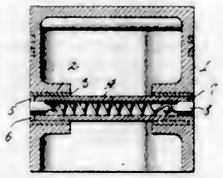
9. The herein described process of producing material, consisting in mixing a powdered, non-liquefiable solid with a naturally-solid, liquefied binder, baking the mixture into a solid body, and then closing the voids of the body with a normally solid substance liquefied at a temperature not exceeding the melting point of the binder in the body.

1,587,751. TIE PLATE. WILLIAM S. BOYCE, Chicago, Ill. Filed Mar. 19, 1926. Serial No. 95,823. 8 Claims. (Cl. 238—298.)



1. A tie plate having its median and its end portions cut away and separated by relatively narrow, tie bearing surfaces to initially seat on the tie, the bottom of the median cut away portion being arched longitudinally and being flat transversely of the plate.

1,587,752. EXPANSION WRIST PIN. LUTHER BRANDT, Bay Village, Ohio, assignor, by mesne assignments, to V. J. Harris, Cleveland, Ohio. Filed Sept. 14, 1922. Serial No. 588,275. 6 Claims. (Cl. 74—108.)



1. In combination, a wrist pin body of tubular construction having extensions on its ends, semi-tubular in construction and detachable semi-tubular separable elements associated therewith, means within the body for spreading the separable elements from the extension in the manner and for the purpose specified, said means including a pair of wedge blocks situated between the extension and the separable elements, and a spring connecting said blocks.

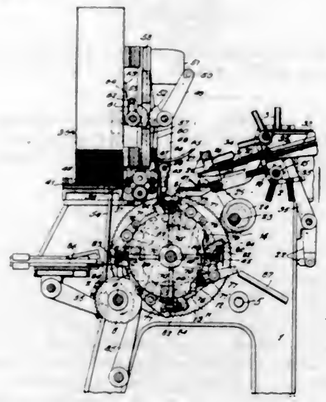
1,587,753. BATH BRUSH. WILLIAM BRETSNYDER, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 601,978. 6 Claims. (Cl. 15—222.)

1. A device of the kind specified comprising a brush having a suitable back and a handle removably connected intermediate its ends to said back; said handle comprising a bar of elastic material of substantially greater width than thickness and flexible only in the plane of its least thickness.

1,587,754. CAR SEAL. LOUIS J. BRUNE, Sr., New Orleans, La. Filed Dec. 5, 1925. Serial No. 73,519. 3 Claims. (Cl. 292—317.)

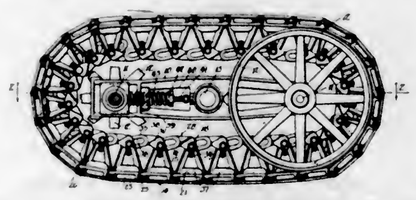
1. A car seal comprising a body member having a chamber extending entirely therethrough, a band, ends carried by said band and extending into opposite ends of the chamber of the body member, interengaging means between the ends within the chamber of the body member, offset bends in said ends of the band and adjacent the ends of the chamber, one of said bends engaging a shoulder in the inner end of the chamber of the body member and struck out lugs in the last named band end and adjacent the outer end of the body member and forming means whereby inward movement of said ends in relation to the body member is prevented.

1,587,755. MATCH-BOOK MACHINE. CÉSAR BUSTAMANTE, New York, N. Y., assignor to Super Production Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,200. 16 Claims. (Cl. 93—7.)



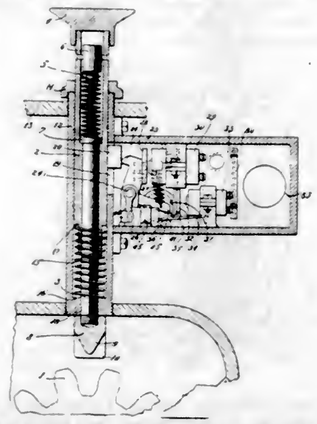
1. In a match book machine of the class described, means for receiving a strip of matches, means for dividing said strip of matches into a plurality of sections, means for moving said sections into spaced relation to correspond to the width of the completed match books and means for placing the respective match sections within the cover strips to thereby constitute a plurality of match books.

1,587,756. TRACTOR. ADDISON N. CALKINS, Quincy, Ill., assignor to Electric Wheel Company, Quincy, Ill., a Corporation of Illinois. Filed Mar. 25, 1925. Serial No. 18,088. 8 Claims. (Cl. 305—10.)



5. A tractor of the character described comprising a plurality of link sections having tread portions pivotally connected together and each having a pair of laterally spaced bearings mounted inwardly of the tread portion substantially centrally thereof, a pivot bolt carried by said bearings, and a member having one end in the form of a yoke mounted on the pivot bolt of one section and adapted to straddle said spaced bearings and its other end adapted to enter between the spaced bearings of the adjacent section and having an elongated opening therein adapted to receive the pivot bolt of said adjacent section.

1,587,757. AUTOMOBILE LOCK. EDMUND B. CARLSON, Brooklyn, N. Y. Filed Nov. 15, 1921. Serial No. 515,256. 5 Claims. (Cl. 70—63.)



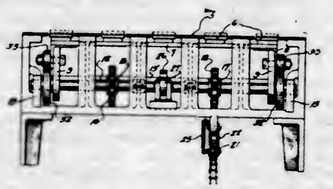
1. In an automobile lock, a bolt for locking an operating part of an automobile against turning, a catch for holding said bolt in locking position, a detent for retaining said catch in holding position, and means for releasing said detent and catching it in its released position.

1,587,758. GOLF CLUB. FREDERICK CHARAVAY, Piqua, Ohio. Filed Oct. 26, 1921. Serial No. 510,621. 9 Claims. (Cl. 273—77.)

2. A golf club head of substantially elliptical transverse contour, and uniformly tapered rearwardly upon substantially standard stream line curvature in every aspect of its fore and aft contour with the top, bottom and side surfaces merging uniformly one into another without abrupt change of direction.

9. In a golf club, a club head having a striking face from which the head converges rearwardly upon substantially stream line contours in both vertical and horizontal planes, the ratio of height to width being maintained substantially uniformly through the fore and aft tapered contour of the club head.

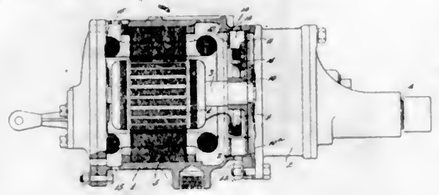
1,587,759. BOOK-DELIVERY MECHANISM. MARTIN CHRISTENSEN, Elmhurst, Ill., assignor to The Christensen Machine Company, Racine, Wis., a Corporation of Wisconsin. Filed Jan. 2, 1926. Serial No. 78,928. 4 Claims. (Cl. 271—84.)



1. In a book-delivery mechanism, the combination of a fixed table having spaced book-supports, a movable table

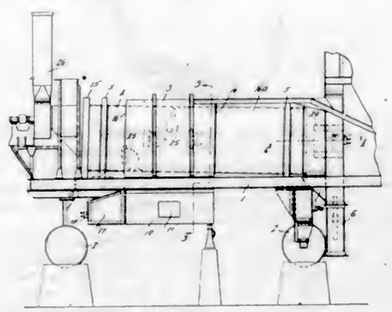
having spaced book-supports working in the spaces between the book-supports of said fixed table, means for elevating, and depressing said movable table relative to said fixed table, and separate means for moving said movable table forwardly while elevated to advance the books along said fixed table.

1,587,760. ELECTRIC MOTOR. EDWIN L. CONNELL, Cleveland, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 28, 1924. Serial No. 728,658. 5 Claims. (Cl. 172—280.)



1. In combination, a casing, an operating shaft, a stator mounted in said casing, an associated wound rotor therefor connected to operate said shaft, means for causing the flow of a current of air through said casing, and resistance for said rotor separate from the rotor winding and located in said air current beyond the rotor, so that heat generated in the resistance is conducted away from the windings.

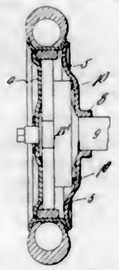
1,587,761. DRIER FOR ROAD MATERIALS. FREDERICK H. CUMMER, Los Angeles, Calif. Filed Nov. 19, 1925. Serial No. 70,103. 7 Claims. (Cl. 34—6.)



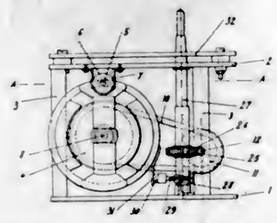
2. A drier for road materials, comprising a frame, a rotatable drying drum through which the material is fed and provided with hot gas inlets, a stationary jacket around said drum, a furnace jacket below said stationary jacket and having an expansion chamber open to the space therein and communicating with said inlets, said furnace jacket having an extension at one end and provided with a combustion chamber leading into and having its walls diverging toward said expansion chamber and into the outer end of which burners may extend.

1,587,762. SHIELD FOR AUTO WHEELS. GEORGE R. CUNNINGTON, Akron, Ohio, assignor to The Paine-Cunnington Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 9, 1924. Serial No. 712,096. 4 Claims. (Cl. 301—37.)

3. The combination with the wheel of a motor vehicle having braking means associated therewith; of a shield for said braking means in the form of an annular plate non-rotatably secured at its center and having its peripheral portion formed and disposed to have close-fitting but movable contact with the rim of said wheel.

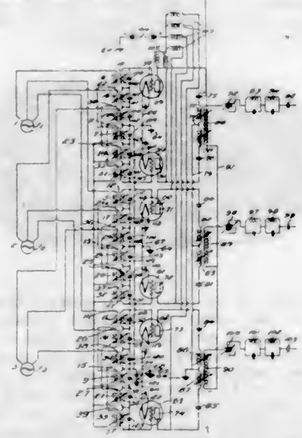


1,587,763. CONTROL DEVICE FOR TALKING MACHINES. MATHIEU DE WRANGEL, Paris, France. Filed May 29, 1925, Serial No. 33,845, and in France June 4, 1924. 4 Claims. (Cl. 172—36.)



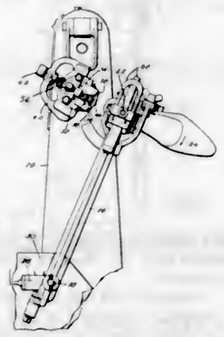
1. A noiseless control arrangement for talking machines comprising a high-speed electric motor, a frame, a shaft borne by the top part of said motor and damping supports borne by the frame and bearing the shaft.

1,587,764. WIRED RADIO TRANSMITTING SYSTEM. ROBERT D. DUNCAN, Jr., East Orange, N. J., assignor to Wired Radio Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 23, 1925. Serial No. 77,289. 19 Claims. (Cl. 179—2.)



1. In a wired radio broadcasting system the combination of a polyphase electric power transmission system, a plurality of sources of polyphase signaling energy, means for impressing said polyphase signaling energy upon said polyphase transmission system, and means for eliminating harmonic frequencies from said polyphase transmission system.

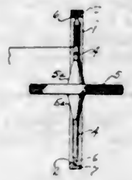
1,587,765. GAUGING DEVICE. RENÉ E. DUPLESSIS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 24, 1924. Serial No. 715,589. 22 Claims. (Cl. 12—87.)



1. In a machine for controlling an operation by a contour of a last, an operating tool, and gauging means comprising three abutments arranged in a series to contact with said contour, the intermediate one of said abutments being offset backwardly from a line tangential to the terminal abutments and arranged to engage only the end of the last and that only when it is between said terminal abutments.

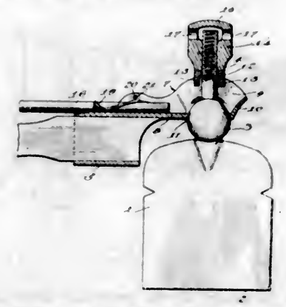
3. In a machine for operating progressively upon an article of work in fixed relation to a pattern having a curved contour, a tool arranged to operate on the article of work, and gauging means comprising three abutments arranged to engage said contour, two of said abutments being arranged to function simultaneously where the curvature of said contour is relatively gradual, and the other being arranged to function where the curvature is relatively sharp.

1,587,766. SPINNING TOP. CHARLES CROWLEY ENGLISH, Dallas, Tex. Filed Oct. 11, 1924. Serial No. 742,978. 1 Claim. (Cl. 46—32.)



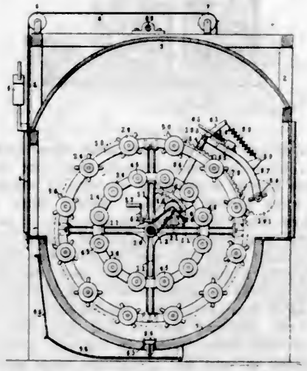
A device of the character described including in combination, a spindle having the opposite ends pointed, a weight carried substantially medially of the ends of the spindle, a holder for the spindle including spaced side bars and upper and lower crossbars connected thereto, the upper cross bar having a downwardly opening socket for accommodating the upper pointed end of the spindle and the lower crossbar having an upwardly and laterally opening groove vertically aligned with the socket for accommodating the lower end of the spindle and having the bottom thereof inclined downwardly towards the open end, so that when the spindle is spun and released it will automatically pass down the inclined bottom and out of the groove due to the weight thereof.

1,587,767. COMBINATION AX AND ADZ. JOHN A. FATICO, Willoughby, Ohio. Filed May 4, 1925. Serial No. 27,901. 4 Claims. (Cl. 145—2.)



1. A tool of the character described comprising a helve, a ferrule having an eye portion engaged with the end portion of the helve and having a socket portion located beyond the outer end of the eye portion, the axis of said socket portion extending at right angles to the axis of said eye portion, a head having a blade portion formed with a cutting edge at one end and with a substantially spherical portion at its opposite end, said substantially spherical portion beng turnably engaged with said socket, and means for releasably holding said substantially spherical portion of the head against turning in said socket.

1,587,768. DYEING MACHINE. ALEXANDER FEA, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1922. Serial No. 583,492. 16 Claims. (Cl. 8—19.)

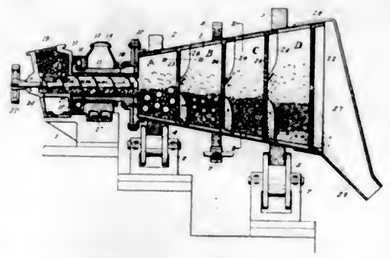


12. A dyeing and scouring machine, including, in combination, a vat, a spider, a plurality of concentrically arranged supporting rings mounted upon said spider, and one ring being rotatable thereon, a set of rotatable yarn sticks mounted on each of said supporting rings and each being wholly supported by said spider and having a free end outwardly disposed from its supporting point and means for moving said rotatable ring to move the set of yarn sticks carried thereby relatively to the other set.

1,587,769. PULVERIZING MACHINE. DUDLEY T. FISHER, Columbus, Ohio, assignor to Alexander Mahaffey Read, Columbus, Ohio. Filed Sept. 17, 1920, Serial No. 410,901. Renewed Oct. 19, 1925. 6 Claims. (Cl. 83—9.)

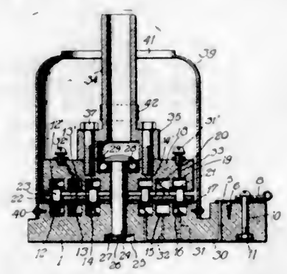
1. In a pulverizing mill of the class described, the combination with an approximately horizontal barrel adapted to revolve about its longitudinal axis, of a trans-

verse partition dividing the interior of the barrel into grinding chambers, said partition having a plurality of screening apertures, and means extending from approxi-



mately the periphery of the partition inwardly on the rearward face thereof adapted to engage material adjacent said apertures and to deflect it longitudinally of the mill away from the apertures.

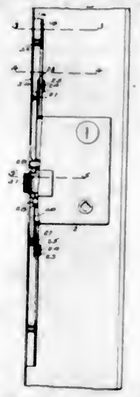
1,587,770. ELECTRICAL-CONDUCTOR CONNECTION. FRANK H. GIBBS and ERNEST FRED DODSON, Portland, Oreg. Filed Dec. 11, 1923. Serial No. 679,996. 1 Claim. (Cl. 173—324.)



A device of the character described comprising a base, electrical contact terminals on said base, the upper face of said base having a plurality of circular concentrically arranged ways formed therein, contact rings arranged in said ways, other contact rings arranged in said ways, spaced from and yieldably supported with relation to said first contact rings and electrically connected thereto, a cap rotatably mounted upon said base, the lower side of said cap having a plurality of circular concentrically arranged ways formed therein corresponding to the ways formed in the adjacent face of said base, contact rings arranged in said ways formed in the cap, other contact rings arranged in said last mentioned ways spaced from and yieldably positioned with respect to the first contact rings received therein and electrically connected thereto, contact terminals arranged upon the cap, means for electrically connecting all of said contact rings to their respective contact terminals, circuit closing means movably arranged between the adjacent portions of said base and cap and engaging with the adjacent contact rings, and a tubular conductor receiving member rigidly supported upon the upper central portion of said cap and having a way formed in the lower portion thereof.

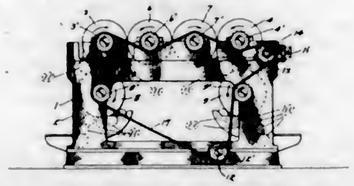
1,587,771. ADJUSTABLE-LOCK SUPPORT. ALVIN C. GODDARD, New York, N. Y. Filed Oct. 25, 1922. Serial No. 596,858. 30 Claims. (Cl. 189—46.)

1. The combination with the locking stile of a hollow metal door, said stile being formed with a slot therein, a support within said stile, and means for attaching a lock thereto within the stile with the locking bolt projectable through the said slot in the stile, said means



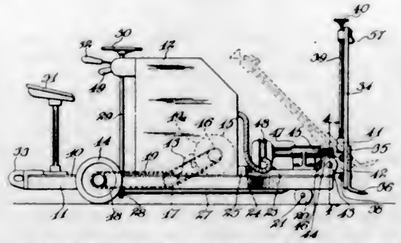
being adjustable along the support to position the lock at variable heights upon the door as to position the bolt at any desired height.

1,587,772. PRINTING PRESS. WALLACE H. GRANGER, San Francisco, Calif. Filed Jan. 21, 1925. Serial No. 3,843. 8 Claims. (Cl. 101—220.)



1. In a printing press, four rolls disposed in a horizontal plane from left to right in parallel relation, two rolls below the outer rolls and spaced therefrom, a drive shaft below the outer rolls and spaced therefrom, a drive shaft below the outer rolls between the vertical planes thereof and closer to the plane of the right roll than that of the left roll, an idler outside the vertical plane of the right rolls and between their horizontal planes, sprockets on the rolls, the drive shaft and the idler in one vertical plane, and a chain passing over the sprockets and arranged to revolve the two left rolls in the same direction as the drive shaft, the second upper roll in an opposite direction, the third upper roll in the same direction and the two right hand rolls in the opposite direction.

1,587,773. TRUCK. CLAUDE GREENE, Chicago, Ill. Filed Dec. 3, 1923. Serial No. 678,347. 4 Claims. (Cl. 214—65.)



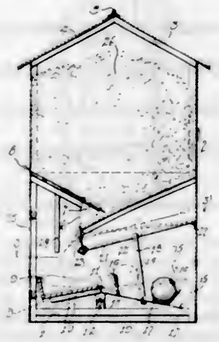
1. In a device of the type described, the combination of a truck having a forward converging portion to which

is pivotally secured a turntable, a supporting frame adapted to extend outwardly in front of said truck having rearwardly extending bearings, a shaft extending through and rigidly secured in said bearings, the ends of the shaft adapted to extend through and rotate about bearings on the turntable and means for tilting said frame.

1,587,774. AUTOMOBILE BED ATTACHMENT. THEODORE HARRIS and GRANT HARRIS, Enid, Okla. Filed Nov. 1, 1923. Serial No. 672,165. 8 Claims. (Cl. 5—119.)

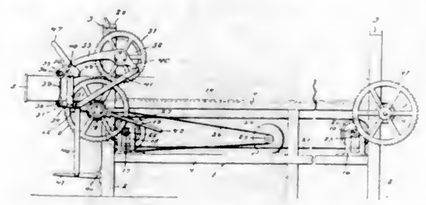
1. An attachment for an automobile bed of a type comprising a pair of side rails, means for detachably connecting the head ends of said rails wth an automobile running board, a sling, a sling-suppering head rail and means for detachably connecting said head rail to the running board; said attachment comprising relatively short side rail extensions and means for detachably connecting them with the head ends of said side rails when the latter are detached from the running board, legs pivoted to the inner end portions of said side rail extensions and movable at times substantially into a plane with the extensions, and means carried by said legged extensions for then holding said head rail.

1,587,775. AUTOMATIC FEEDER. THOMAS JOSEPH HIGGINS, Odell, Ill. Filed Aug. 4, 1924. Serial No. 730,100. 4 Claims. (Cl. 119—53.)



1. An automatic feeder comprising a feed hopper having a delivery opening, a trough for receiving the feed from the opening, means for shutting off the flow of feed through the opening, said means closing in such a manner as to prevent the wedging of any material between the closing means and the wall of the opening, and means associated with said closing means for holding said closing means in closed position until the trough is entirely empty of feed, and then for quickly opening the closing means and holding the closing means in open position until the trough has been filled with a predetermined quantity of feed.

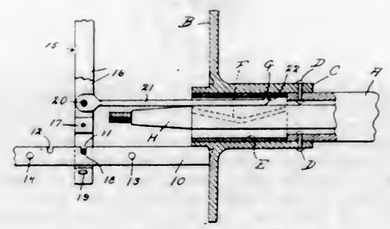
1,587,776. MATTRESS-FILLING MACHINE. HARRY C. HOLLAND, Green Bay, Wis. Filed June 8, 1925. Serial No. 35,638. 9 Claims. (Cl. 226—45.)



1. In a mattress filling machine, a supporting frame, a spout upon one end thereof adapted to have a ticking or case engaged thereon, shafts mounted in the frame at the ends thereof and carrying rollers, an apron trained about the rollers and leading to the spout, gears on said shafts, counter shafts journaled in the frame inwardly of said first-named shafts and carrying pinions meshing with said gears, and means for driving said counter shafts simultaneously.

5. In combination with the ticking or case receiving spout of a mattress filling machine, gripping means for holding the ticking or case upon the spout, and pedal operated means for releasing said gripping means.

1,587,777. ROLLER-BEARING-SLEEVE PULLER. ALLEN A. JUELFS, McPherson, Kans. Filed Aug. 11, 1924. Serial No. 731,396. 4 Claims. (Cl. 29—82.2.)

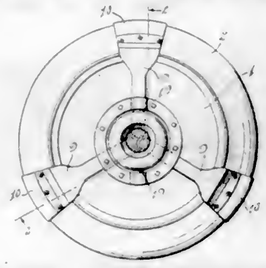


1. A roller bearing sleeve puller comprising a fulcrum post provided with a series of fulcrum points, a lever having its end portion straddled upon the post and carrying means engageable with a selected fulcrum point, and a rod pivoted upon the lever at a point spaced inwardly from the post and terminating in a hook, the post being adapted for abutting engagement at its end with the end of an axle housing, and said rod being capable of insertion within the space between an axle spindle and a roller bearing sleeve surrounding the same with the hook adapted for engagement within a hole in the sleeve, the lever being swingable outwardly to extract the sleeve.

1,587,778. POWER-TRANSMISSION DEVICE. WILLIAM H. KADESCH, Cedar Falls, Iowa. Filed Mar. 9, 1925. Serial No. 14,193. 1 Claim. (Cl. 74—106.)

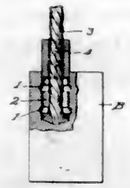
The combination with a driven vehicle wheel having a tread portion, of a primary drive shaft, a plurality of gripping members extending radially from said primary shaft, a disc rotatably mounted within said primary shaft and arranged to turn on the axis thereof, a pair of rearwardly extending gripping projections formed on said disc at that side thereof facing the vehicle wheel, a spiral cam carried by said disc, and segmental threads disposed upon the inner ends of said

gripping members and engaging with the cam on said disc, whereby rotation of the disc as by engagement of



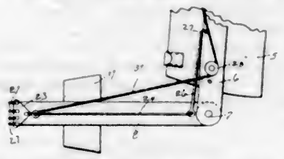
a bar or the like with said projections will move said gripping members radially toward or away from said primary shaft.

1,587,779. METHOD OF AND MEANS FOR ATTACHING ELECTRICAL CONDUCTORS TO BRUSHES. JOHN F. KERLIN and WARREN C. KALB, Bradford, Pa., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed July 8, 1921. Serial No. 483,191. 21 Claims. (Cl. 171—326.)



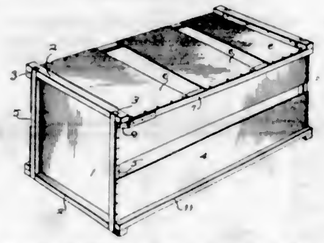
1. The method of securing a conductor in an opening in a brush, which consists in inserting the conductor into the opening, inserting further a member composed of finely divided conducting material consolidated prior to its insertion into the opening, said member being capable of adapting itself under the action of compressive force to the unfilled portion of the hole in the brush, and subjecting the said member to compressive force so as to cause it to fill the said space and retain the conductor in the brush.

1,587,780. ARTIFICIAL ARM. EDWARD LAHERTY, Santa Cruz, Calif. Filed Apr. 11, 1925. Serial No. 22,379. 1 Claim. (Cl. 3—12.)



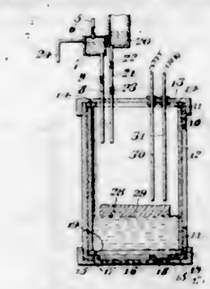
In a device of the character described, a pair of parallel members, a second pair of parallel members pivoted to said first mentioned parallel members, said second mentioned parallel members having a wrist-ring attached thereto, a hand secured to said ring, a plurality of fingers secured to said hand, a plurality of wires extending through said hand and adapted to be secured to said fingers, a plate secured to said wires, a pair of links secured to said plate and to one of said first mentioned parallel members, in such a manner as to move said plate when said parallel members are pivoted about each other, and a cord secured to said plate and reeved over pulleys on one of said first mentioned parallel members, said pulley having its free end secured to a belt and fastened around the body of the user.

1,587,781. CRATE. OSCAR A. LANE and DUKE GUICE, Greenville, Ala. Filed Mar. 25, 1925. Serial No. 18,260. 5 Claims. (Cl. 217—12.)



5. A crate having a bottom, sides and ends removably secured thereto, the top of each end being provided with a transverse member, said transverse members projecting beyond the side edges of the ends, a cover for said crate, longitudinal members secured to each side of said cover, one of said longitudinal members being provided with projections at each end adapted to be received beneath the projecting portions of said transverse members, the other longitudinal member being provided with a projection at one end, and a flexible sheet metal fastener secured to the other end of said last named longitudinal member and adapted to be bent to extend beneath the projecting portion of one of said transverse members.

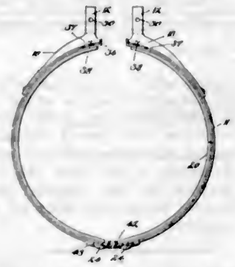
1,587,782. METHOD OF AND APPARATUS FOR INDICATING PROGRESS OF CHEMICAL REACTIONS. RUSSELL S. MCNEIL, Philadelphia, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1924. Serial No. 684,266. 14 Claims. (Cl. 23—230.)



1. The method of indicating a change in the character of a fluid or a content thereof, which comprises passing the fluid through a passage, introducing into the fluid a material effecting upon change of character of the fluid or a content thereof a restriction of said passage, and effecting an indication in response to said restriction of said passage.

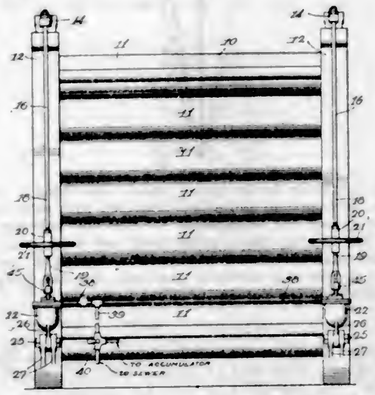
1,587,783. BAND BRAKE. GEORGE WILLIAM MACBRIDE and GEORGE CLINTON BONNEY, Boston, Mass., assignors to MacBride Co., Southport, Me., a Corporation of Maine. Filed Dec. 28, 1922. Serial No. 609,455. 11 Claims. (Cl. 188—249.)

7. In combination, a brake band for embracing a brake drum, actuating lugs fixed to each end of said band by movement of which lugs toward and from each other said band is tightened and loosened, respectively, about said drum, lining members about said band, each member being of a length to extend from one actuating lug half way toward the other actuating lug and comprising a backing strip and a facing of frictional material fixed to one side thereof, guide elements slidably engaging said band and swiveled to said backing strips near their adjacent ends, a boss extending inwardly from said band midway between its ends for engagement with mating notches in the adjacent ends of said strips, said



band adjacent said boss being outwardly offset whereby said boss may not contact with said drum even when no lining members are in position, elements fixed to the opposite end of said strips and having portions constructed to partly overlie the outer faces of said actuating lugs, and bosses carried by said last mentioned elements constructed to fit into the mating sockets in the under faces of said lugs.

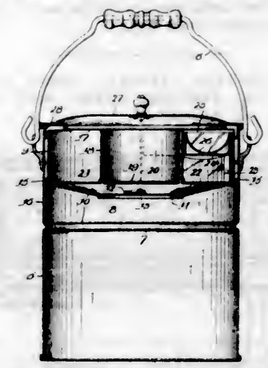
1,587,784. PAPER-MAKING MACHINERY. ERNST MAHLER, Neenah, Wis., assignor to Paper Patents Company, Neenah, Wis., a Corporation of Wisconsin. Filed May 4, 1925. Serial No. 27,724. 9 Claims. (Cl. 92—75.)



1. In paper finishing apparatus, the combination of a stack of calender rolls, a connection for applying pressure to said rolls, means for adjusting said connection to vary said pressure, and a hydraulic device interposed in said connection, whereby said pressure may be relieved at will.

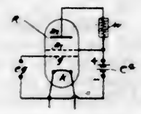
1,587,785. FISHERMAN'S BAIT AND TACKLE CARRIER. LOUIS MARSH and OLIVER J. DUFRESNE, St. Paul, Minn.; said Louis Marsh assignor to said Oliver J. Dufresne. Filed June 13, 1925. Serial No. 36,873. 4 Claims. (Cl. 43—56.)

1. The combination with a container adapted to carry water in the lower part thereof, of a foraminous tray removably mounted above the water in said container, said tray being provided with a central door in its top for the removal of bait therefrom, a second tray for tackle and artificial bait removably mounted in said container above said first mentioned tray, said second



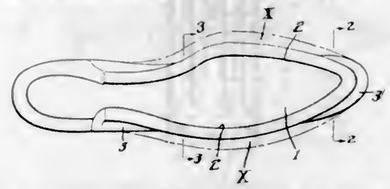
tray being formed with a central well adapted to allow access to the door of said first mentioned tray, and a bait receptacle adapted to be suspended in said well.

1,587,786. ELECTRON TUBE. JOSEPH MASSOLLE, Grunewald, HANS VOGT, Berlin-Schoneberg, and JOSEF ENGL, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921, Serial No. 458,635, and in Germany Dec. 2, 1919. 6 Claims. (Cl. 250—27.)



1. In electron discharge tubes, the combination of a vacuous tube having plate, grid and filament, and anode screening means, an input circuit connected to the grid and filament, a source of potential, and connections therefrom to the plate, filament and screening means, including greater resistance between said source and plate than between said source and screening means, for imposing a greater potential difference between said screening means and filament than between said plate and filament.

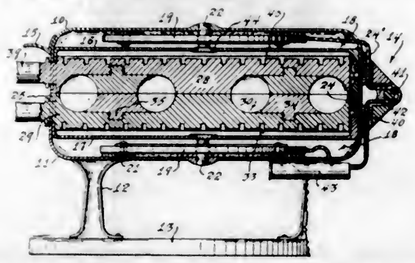
1,587,787. SHOE. CHARLES A. MORIN, Boston, Mass. Original application filed Sept. 11, 1924, Serial No. 737,060. Divided and this application filed Feb. 2, 1925. Serial No. 6,432. 4 Claims. (Cl. 36—17.)



1. A welt shoe, comprising an insole having an inner channel extending a substantial distance below its outer face and having a projecting feather, portions of which in the region of the ball and shank of the insole have been removed to bring the edge face of the insole at these points definitely within the normal overtread of the foot on the insole at said points, and an upper and a welt stitched continuously to the insole along both its feathered and unfeathered portions, the inseam stitching along said unfeathered portions being carried directly through the inset edge face of the insole and lying in a

plane intermediate of the upper and lower faces of the insole whereby the normal foot contour overhangs said inseam at said unfeathered portions and is cradled on the lower margins of the upper.

1,587,788. COOKING UTENSIL. JOSEPH MORLEY, Los Angeles, Calif. Filed Aug. 1, 1925. Serial No. 47,444. 5 Claims. (Cl. 53—10.)

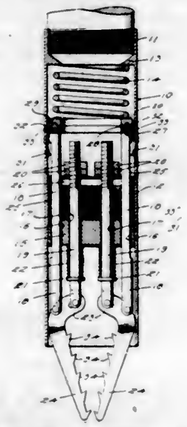


5. A cooking utensil, as in claim 4, in which the mould is reversible and provided with two cooking surfaces; each cooking surface provided with a plurality of cavities augmenting its normal heat receiving surface.

1,587,789. FLOTATION OF ORES. HARRY W. MORSE, Stanford University, Calif., assignor to Compagnie du Boleo, San Francisco, Calif., a Corporation of France. Filed July 29, 1925. Serial No. 46,860. 3 Claims. (Cl. 209—166.)

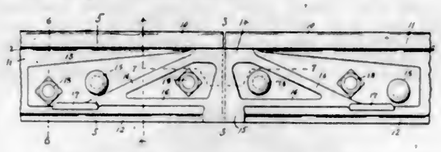
1. The process of recovering metal from its ores which consists in subjecting the pulp containing the ore to a froth flotation operation in the presence of a flotation agent consisting of an alkali metal xanthate together with an alkali metal chloride.

1,587,790. FISHING TOOL. MARDIS T. MORTON, Ardmore, Okla. Filed Nov. 28, 1925. Serial No. 72,035. 4 Claims. (Cl. 294—110.)



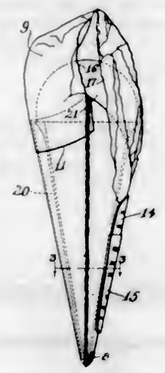
1. A drill fishing tool including a rotatable carrier, a member engaged within the carrier and movable longitudinally thereof upon rotation of the carrier, gripping jaws associated with said member, frangible means for temporarily retaining the jaws within the carrier, means for projecting the jaws from the carrier upon breaking of the frangible means, and means operable by said member for moving the jaws into object gripping position upon rotation of the carrier.

1,587,791. RAIL SUPPORT. GEORGE W. MULLER, Washington, D. C. Filed Oct. 27, 1925. Serial No. 65,148. 15 Claims. (Cl. 238—258.)



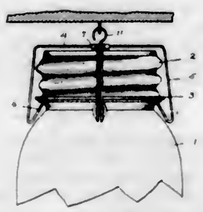
1. The combination with two meeting rails, of a clamp plate formed with its middle portion widest and thickest and arranged to bear against the under surfaces of the bulls of the rails at the joint thereof, the said plate having widened terminal projecting portions constructed to rest upon the tie flanges of the rails, the lower edge of the said plate between the said terminal portions being spaced above the said flange, and bolts for securing the plate and rails together.

1,587,792. ICE-CREAM-CONE CONTAINER. JAMES E. MURRAY, Boston, Mass. Filed Feb. 11, 1925. Serial No. 8,454. 5 Claims. (Cl. 229—87.)



1. A container for ice cream cones, comprising a cone-shaped body-portion, and a flap combined with said body-portion having the material of its free end gathered to cause the flap to bulge transversely and having also a stiffened extremity, said body-portion having a keeper to receive the said stiffened extremity for the purpose of maintaining the flap in its closed position.

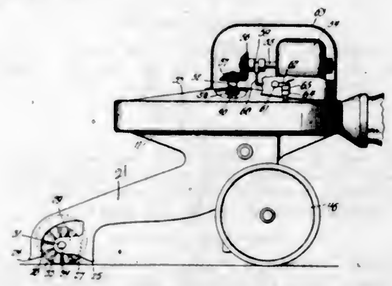
1,587,793. BOTTLE HANGER. ROY A. NELSON, Grasston, Minn. Filed May 11, 1925. Serial No. 29,455. 1 Claim. (Cl. 248—65.)



A hanger comprising a spider formed from a single piece of wire having a plurality of depending legs each being formed by a portion of the wire being bent backwardly upon itself and the bight thereof folded into an upwardly and inwardly projecting hook, a sheet metal nub

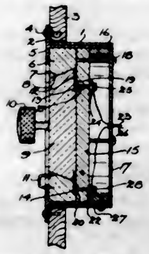
uniting the meeting portions of the legs of the spider, and upright means connected to the hub for suspending the spider.

1,587,794. VACUUM CLEANER. HARRY T. O'BRIEN, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to Francis R. Schanck, Chicago, Ill. Filed Oct. 8, 1921. Serial No. 506,256. 5 Claims. (Cl. 15—8.)



1. Cleaning apparatus comprising a nozzle, a suction producing means, a housing containing a passage connecting said nozzle and said suction producing means, an electric motor, a connection between the electric motor and the suction producing means, an electric circuit including the motor, and means for preventing completion of electric circuit when the electric motor is not operatively connected with suction means.

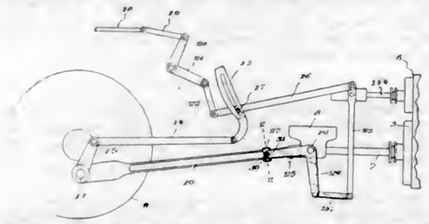
1,587,795. COMBINATION LOCK SWITCH. PATRICK J. O'MALLEY, Detroit, Mich. Filed Apr. 18, 1925. Serial No. 24,148. 5 Claims. (Cl. 200—43.)



1. In a circuit controlling lock, the combination of a revolvable annular plate having a contact on its rear surface one edge of which is flush with its inside diameter, a rotary disc within said annular plate and in contact with the inner circumference of the latter, a contact on the rear surface of said disc having one edge flush with the circumference of the disc, an insulating member against which said annular plate and said rotary disc bear, two contacts on said insulating member one of which is adapted to connect with the contact on said annular plate and the other of which is adapted to make a connection with the contact on said rotary disc, means for holding said plate and said disc against said insulating member, separate means for rotating said plate and said disc by hand, calibrations on the front surface of said disc, and other calibrations on the front surface of said plate.

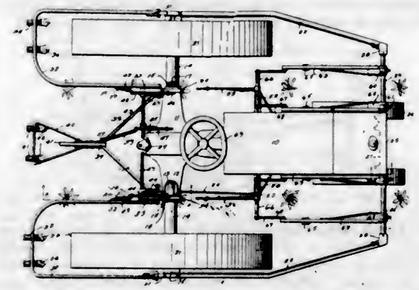
1,587,796. LOCOMOTIVE GEAR. HAROLD J. OLSEN, Chicago, Ill. Filed June 23, 1922. Serial No. 570,365. 2 Claims. (Cl. 121—163.)

1. In a steam engine valve gear, the combination with the crosshead, the connecting rod and the combination lever, of an angle lever connected intermediate its ends to said crosshead for swinging movement and having a branch operatively connected to said combination lever and having a second branch provided with a slot, and a



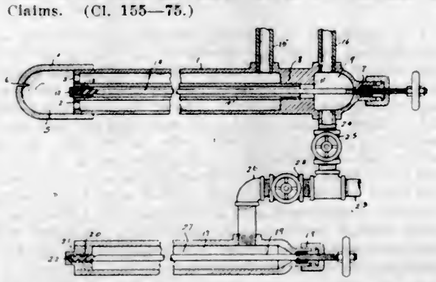
clamping member secured on said connecting rod and having a pin received in said slot and establishing connection between said connecting rod and said crank.

1,587,797. CULTIVATOR ATTACHMENT FOR TRACTORS. JOHN LOUIS OPITZ, Clarinda, Iowa. Filed Mar. 31, 1924. Serial No. 703,152. 9 Claims. (Cl. 97—47.)



1. In combination with a tractor, a set of beams detachably mounted at each side of the forward end of said tractor, a series of beams pivotally mounted and extending rearwardly from said tractor, shovels for each of said beams, means for elevating and lowering the rearwardly extending beams independently, means for elevating and lowering the front beams independently, and means for simultaneously elevating all of the rearwardly extending beams and one of said front sets of beams.

1,587,798. OIL BURNER. JOHN A. OWEN, Houston, Tex. Filed Mar. 29, 1924. Serial No. 702,815. 2 Claims. (Cl. 155—75.)



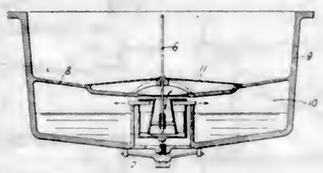
1. An oil burner including a tubular body, one end of which is partly closed by a transverse web having a central bearing around which are perforations and the other end being formed with a stuffing box, a nozzle secured on the first named end and having an internal mixing chamber, and a transverse discharge slot, said body being contracted intermediate its ends forming a steam chamber and a fuel chamber, a fuel conducting tube, one end of which is secured into said contracted portion and the

other end of which is fitted through the central bearing of said web and is provided with a contracted discharge nozzle, a valve having a spiral groove and controlling said discharge nozzle, said valve having a stem which extends through said tube and stuffing box, inlet lines, one entering said steam chamber and the other two entering said fuel chamber.

1,587,799. PROCESS FOR THE PRODUCTION OF WOOD PULP. HENRY FRANCIS JOSEPH PUTTAERT, San Francisco, Calif. Filed June 20, 1923, Serial No. 646,707. Renewed Nov. 11, 1925. 1 Claim. (Cl. 92—1.)

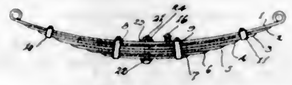
The process of making wood pulp which consists in cutting pieces of wood across the grain into comparatively short blocks, in crushing the blocks to produce slivers substantially of the thickness of a match, in rolling the slivers for flattening the same and in beating the slivers thus obtained into pulp in the presence of water.

1,587,800. CENTRIFUGAL PURIFYING APPARATUS FOR LUBRICATING OIL. LÉON SAIVES, Billancourt, France. Filed Feb. 20, 1923, Serial No. 620,212, and in France Mar. 7, 1922. 4 Claims. (Cl. 233—1.)



1. In an open oil purifying system for an internal combustion engine, a crank case, a collecting shelf therein providing a chamber above the same for collecting used oil, an outlet therefor, a separator therein below said shelf for receiving the used oil from the outlet and removing the solid impurities therefrom, and a receiving chamber for receiving the purified oil.

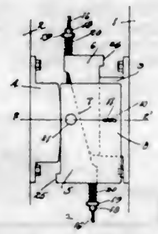
1,587,801. SPRING. MAURICE W. SHARON, Regina, Saskatchewan, Canada. Filed June 24, 1925. Serial No. 39,322. 3 Claims. (Cl. 267—50.)



1. A lubricated leaf spring comprising, a plurality of superimposed leaves, the uppermost leaf having a lubricant receiving chamber centrally in the under side thereof and channels extending outwardly from the chamber and terminating short of the ends of the underlying leaf and a filling opening passing through the leaf and communicating with the chamber, the intermediate leaves having each a lengthwise extending channel in the under side thereof and terminating short of the ends of the leaf and being provided each with a noncircular hole passing centrally therethrough and a fastening bolt passing centrally through receiving holes provided in the upper and lowermost leaves and through the noncircular holes provided in the intermediate leaves.

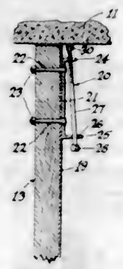
1,587,802. SELF-ADJUSTING WEDGE. ROBERT SPENCE, Winnipeg, Manitoba, Canada. Filed Oct. 8, 1923. Serial No. 667,385. 2 Claims. (Cl. 213—220.)

1. In combination with adjacent cars, the ends of said cars being provided with opposing buffers, a wedge shaped block having the back thereof engaging one of the buffers and the front thereof provided with upper and lower extending flanges to receive therebetween the other of the buffers, a second wedge shaped block complementary to the former and inserted between the former block and the latter buffer, an adjusting rod attached to the



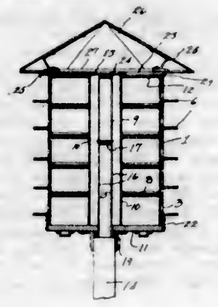
small end of each wedge block and passing slidably through the adjoining large end of the other block, and an adjustable tensioning spring associated with each rod and engaging the large end of each block.

1,587,803. MOVABLE WALL. RODNEY S. SPRIGG, Los Angeles, Calif. Filed Feb. 19, 1925. Serial No. 10,322. 4 Claims. (Cl. 20—4.)



1. In a movable wall, having extension means adapted to increase and decrease the height of the wall so as to cause the wall to be frictionally engaged between the floor and the ceiling, said means including a bracket, an adjustable clamping means passing through said bracket and making an acute angle with the plane of said wall.

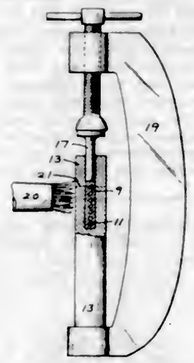
1,587,804. BIRD HOUSE. JOHN H. STEIN, Detroit, Mich. Filed June 12, 1924. Serial No. 719,495. 9 Claims. (Cl. 119—23.)



8. A bird house consisting of an interior member having a series of floors of hexagonal form with nest boxes open to the outside on each floor, the floor members having a central aperture, a hollow member extending from the top to the bottom of the interior member, angle iron members extending through the hollow member from the top to the bottom and secured at opposite ends thereto

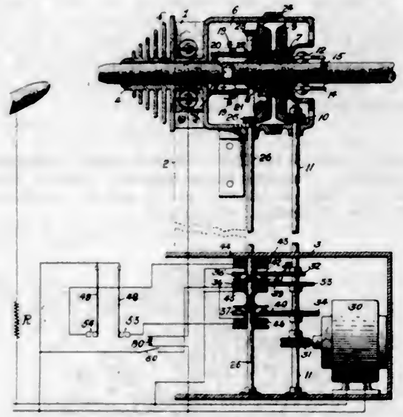
respectively an exterior member slidably fitting over the interior member providing an outer wall therefor and having apertures registering respectively with the open ends of the nest boxes, a roof structure secured to one end of the assembled members in spaced relation thereabove, a pole having an end fitting the angle iron members, and brackets for securing the structure to the pole, each nest box having an opening to the tubular member providing for ventilation of the same substantially as described.

1,587,805. TOOL AND METHOD OF MAKING THE SAME. EDWARD N. TAYLOR, Newark, N. J. Filed Jan. 3, 1924. Serial No. 684,271. 9 Claims. (Cl. 125—39.)



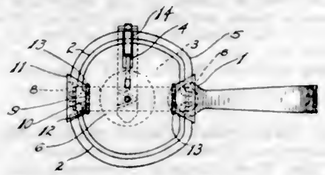
1. A diamond tool comprising a holder filled with amalgam and embedded diamonds spaced therein.

1,587,806. FEEDING AND ROTATING MEANS FOR ELECTRODES. HERBERT H. THOMPSON, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 26, 1918. Serial No. 224,916. 20 Claims. (Cl. 176—51.)



10. In an arc lamp, a rotatable means for rotating an electrode, means for feeding the electrode including a rotatable member, means whereby the rate of feed is dependent upon the relative speeds of rotation of said electrode and said member, and means responsive to the position of the arcing end of the positive electrode for varying said relative speeds.

1,587,807. STEEL-TRAP COVER. THEODORE J. THORESON, Cushing, Minn. Filed Mar. 1, 1926. Serial No. 91,324. 2 Claims. (Cl. 43—96.)

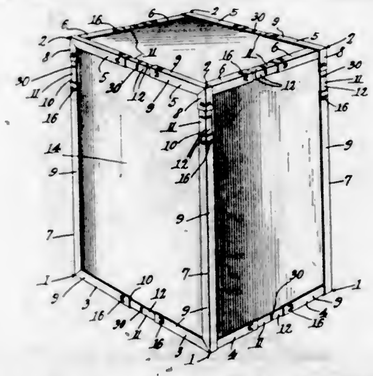


1. A trap covering as described, comprising a plate pierced with jaw and trigger recesses; a central emboss formed in the said plate; hinge loops formed in said plate adjacent said jaw recesses; hinge plates formed with loops, hingedly secured to said hinge loops; and means for securing said plate to the trip pan of a trap.

1,587,808. BUMPER FOR VEHICLES. HERBERT W. TINKER, Milwaukee, Wis., assignor to Federal Pressed Steel Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1924. Serial No. 692,954. 10 Claims. (Cl. 293—55.)

1. In a bumper, the combination of impact bars, a supporting member therefor, a bracket, and yielding spacers between said bracket and member, one of said yielding spacers being positioned adjacent each edge of the supporting member and lying in substantially the same vertical plane thereof.

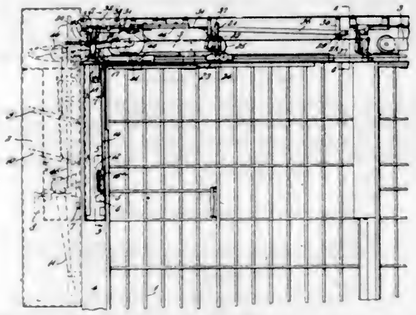
1,587,809. SHIPPING-CONTAINER BINDER. TOM R. WALKER, Alexandria, La., assignor to Walker Patents Company, Inc., Alexandria, La., a Corporation. Filed Jan. 19, 1926. Serial No. 82,315. 3 Claims. (Cl. 217—69.)



1. A shipping container binder embodying two sets of corner brackets, each bracket of each set comprising transverse arms and a longitudinal arm, each arm being in the form of an angle member including rectangularly disposed flanges, each arm of each corner bracket being disposed at right angles to the other arms of the same bracket, the flanges of each arm of each angle bracket having trough-shaped longitudinally extended overhanging wings, extension pieces joining the corresponding transverse arms of the corner brackets of each set, and extension pieces joining the longitudinal arms of corresponding corner brackets of the respective sets, each

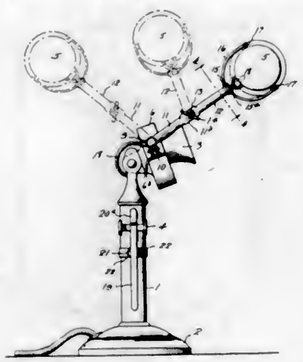
extension piece comprising rectangularly disposed flanges slidably engaged for adjustment with the wings of the arms wherewith each extension piece cooperates, and means for effecting a step by step adjustment between the extension pieces and the arms, in a direction longitudinally of the extension pieces and the arms, said means and the wings constituting the sole mechanism for holding the binder in place on a container.

1,587,810. JAIL-DOOR-LOCKING MECHANISM. JOHN T. WHITEHOUSE, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 11, 1924. Serial No. 731,384. 15 Claims. (Cl. 189—7.)



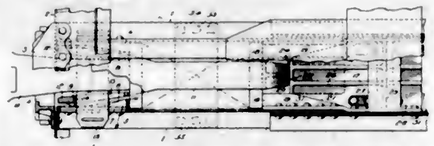
1. A jail door locking mechanism comprising a lock bolt adapted for straight line movement into and out of locking position, means for holding said lock bolt in unlocked position, and means carried by the door for releasing said holding means and permitting locking engagement therewith.

1,587,811. TELEPHONE. JOHN F. WILLIAMS, Sandusky, Ohio. Filed May 21, 1921. Serial No. 471,372. 3 Claims. (Cl. 179—153.)



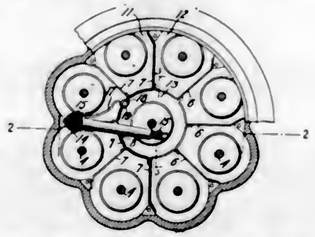
1. A telephone comprising a transmitter, a receiver, a support for said receiver comprising a pair of hollow arms, one of said arms being connected to and carrying the receiver and said arms being telescopically connected, means for connecting such telescopic ends of said arms, said means comprising a tubular reinforcing member inserted within the end of the inner of such arms, a pair of bolts arranged in substantially the same axial line and each extending through the overlapping ends of the said tubular arms and the cooperating portion of the tubular member therewithin, and nuts mounted on said bolts.

1,587,812. DRAFT RIGGING. IRA O. WRIGHT, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Mar. 30, 1922. Serial No. 548,065. 18 Claims. (Cl. 213—57.)



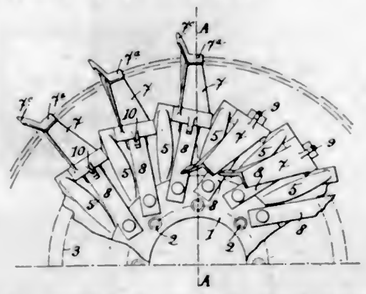
1. In a draft rigging, the combination with spaced center sills, of a yoke slidably mounted therebetween, a casting interposed between said sills in the rear of said yoke and having follower engaging lugs, means on said casting for engaging said yoke after a predetermined movement of the same, said yoke being normally spaced from said means and being adapted to contract the same upon a rearward movement thereof, means for reinforcing said first named means including a plurality of vertically disposed webs arranged in alinement with the yoke and spaced inwardly of the follower lugs, and means for connecting said casting to said center sills.

1,587,813. LOADING-COIL CASE. CHARLES R. YOUNG, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1923. Serial No. 682,221. 6 Claims. (Cl. 178—46.)



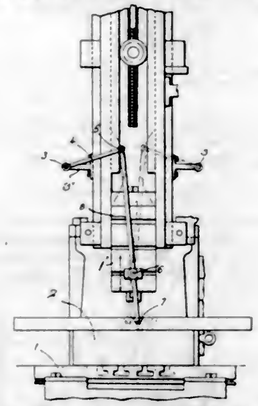
1. A loading coil case comprising an outer housing having a space for receiving loading coils and their connections, and a partition extending above the coil receiving portion of said space into the connections receiving portion of said space, and substantially completely dividing said space into a plurality of electrostatically shielded compartments.

1,587,814. NONSLIPPING DEVICE FOR VEHICLE WHEELS. CHARLES BLUM, Suresnes, France. Filed Nov. 11, 1924, Serial No. 749,302, and in France Feb. 22, 1924. 3 Claims. (Cl. 301—51.)



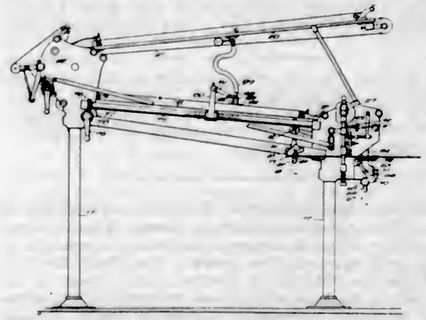
1. In a non-slipping device for vehicle wheels, the combination of a disc adapted to be easily attached to and detached from the hub of the wheel of the vehicle, radial plates pivoted to the side of said disc and adapted to be raised or turned to the outside towards the operative position and to be turned down towards the center of the said wheel, axes of oscillation secured to the said disc and adapted to receive the said plates, the said axes being parallel to the plane of the said wheel, a cam with two bosses upon each of said plates, a flat spring fixed to the said disc, this spring being adapted to cooperate with the said cam for the purpose of maintaining alternatively the said cam in the operative and in the inoperative position.

1,587,815. APPARATUS FOR USE IN MOUNTING SLOTTING AND LIKE TOOLS. ANDRÉ BOAS, Paris, France, assignor to The Société Anonyme des Engrenages Citroen, Paris, France, a Corporation of France. Filed July 12, 1923, Serial No. 651,068, and in France May 9, 1923. 3 Claims. (Cl. 90—24.)



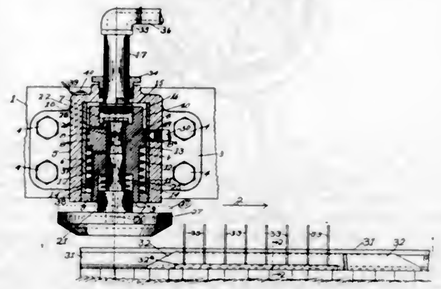
3. The combination with a slotting machine having a reciprocating tool slide, of tool carrying means adapted to cut arcuate slots, said means comprising a bar having a pivot connection intermediate its end adapted to be mounted at said pivot connection on the tool slide of the machine, a tool support on one end of said bar, a link pivoted to the other end of said bar, and pivots mounted upon the fixed frame of the machine laterally of said bar for connection to the outer end of said link.

1,587,816. SHEET-FEEDING APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Nov. 22, 1923. Serial No. 676,283. 27 Claims. (Cl. 271—27.)



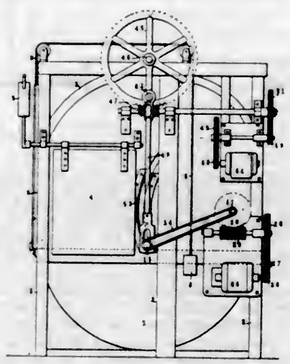
1. In sheet feeding apparatus, the combination with an upwardly and rearwardly inclined wall against which a plurality of sheets rest, of an open grid in rear of said inclined wall, means for delivering a blast of air through the grid in rear of the inclined wall and against the rear ends of said sheets as they successively pass thereover from the wall, and means for removing the top sheets and passing them over the grid.

1,587,817. PNEUMATIC IMPULSE RELAY. ANDREW J. BROOKINS, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 661,787. 20 Claims. (Cl. 246—192.)



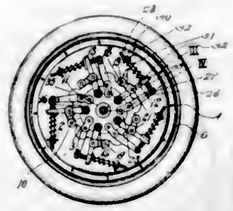
18. Car carried mechanism and a rigid track side member, said car carried mechanism in inoperative relation to said rigid member, in combination with a plurality of track side resilient members, positioned to obtain operative relation between said car carried mechanism and said rigid member.

1,587,818. DYEING MACHINE. WILLIAM WARNER BROWN, Oak Lane, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1923. Serial No. 625,912. 17 Claims. (Cl. S—19.)



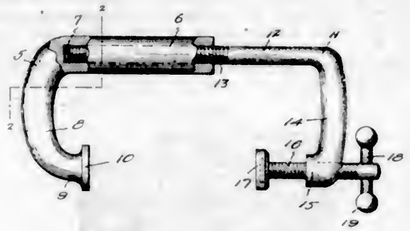
1. In a dyeing or like machine, in combination, a vat for the treating liquor, a rotatable carrier translatable into and out of the liquor in the vat and having rotatable yarn sticks with star wheels connected thereto, a yarn stick trip positioned for cooperation with said star wheels, a supporting arm for said trip mounted at the axis of said rotatable carrier and disposed radially with reference thereto, a supporting bar for said arm articulated thereto and having a supporting connection laterally disposed from said supporting arm whereby said arm and bar are movable with movement of said carrier into or out of said vat so as to maintain said trip in star wheel actuating position for different positions in the translatory movement of said carrier.

1,587,819. RESILIENT WHEEL. JOHN THOMAS BUCKINGHAM, Mildura, Victoria, Australia, assignor to Buckingham Floating Hub Company Proprietary Limited, Mildura, Australia. Filed Jan. 2, 1925, Serial No. 235, and in Australia Jan. 18, 1924. 4 Claims. (Cl. 152—28.)



1. In resilient wheels, a pair of thrust plates on the wheel hub, a pair of centrally apertured discs located between said plates and secured to the tyre rim, a series of circumferentially arranged cushion devices between said discs each comprising a radially, disposed lever pivoted to said plates, a link pivoted to said discs and connected to said lever, an arm fixed to said plates, a tangentially disposed rod pivoted to the outer end of said arm and extending through a slot formed in the outer end of said lever, and a spring on said rod between said lever and a nut provided on the free end of said rod.

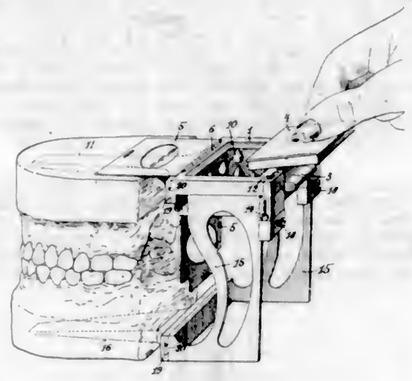
1,587,820. CLAMP. BERNARD J. CARTER, Kissimmee, Fla. Filed Mar. 24, 1925. Serial No. 18,014. 4 Claims. (Cl. 144—299.)



1. In a clamp of the class described, a main bracket including a body having an internally threaded bore, an angular arm formed on the said body, and a projection formed on the opposite end of the arm extending parallel with the said body; an auxiliary bracket including a rod externally threaded on one extremity thereof, an angular arm formed on the opposite extremity of the rod, a boss extending in alignment with the rod formed on the opposite end of the arm, the said bracket being adjustable by rotation of the said rod within the internally threaded bore, auxiliary adjusting means including a bolt threadedly mounted upon the auxiliary arm extension, a swivel head mounted on the bolt and means for readily actuating the said bolt.

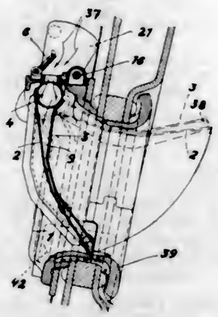
1,587,821. ARTICULATOR. MARCEL PAUL DARCISSAC, Paris, France. Filed Feb. 25, 1924, Serial No. 695,026, and in France Feb. 27, 1923. 2 Claims. (Cl. 32—1.)

1. An articulator for the exact mounting of artificial teeth, comprising two elements adapted to receive the molded plaster models of the two jaws, two trays secured to one of the said elements and adapted to contain a plastic substance, said trays being superposed with their operative faces towards each other, a plate secured to the other portion and disposed between the two trays, said plate having various projections upon both faces



which may be pressed into the plastic substance contained in the said trays, and pivoting means serving to connect together the two hinged portions.

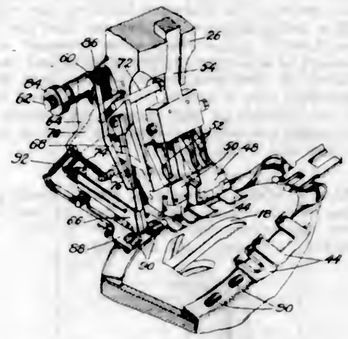
1,587,822. FLAP DOOR FOR LOCOMOTIVE FURNACES AND THE LIKE. GUSTAV DE GRAHL, Berlin-Zehlendorf-West, Germany. Filed Mar. 11, 1925, Serial No. 14,817, and in Germany May 24, 1924. 5 Claims. (Cl. 110—175.)



1. A flap door, more particularly for locomotive furnaces and the like comprising in combination a door frame, a protective ring for the fire hole rivets, a saddle-shaped double-walled flap door having inlets through which air enters the hollow space between the walls of the door and a narrow slit at the lower edge of said door for emitting the air, when the door is shut, upon said protective ring for the fire hole rivets, a flap for normally closing the air inlets of the said double-walled door, and means for positively opening the said flap when the door is being opened.

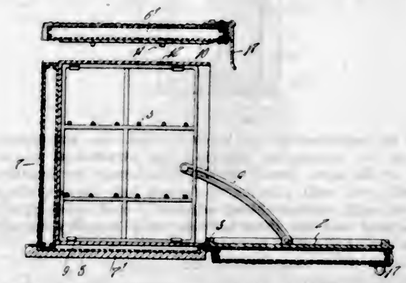
1,587,823. MACHINE FOR WORKING UPPERS OVER LASTS. CHARLES DE MINICO, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 25, 1919. Serial No. 326,175. 33 Claims. (Cl. 12—4.)

1. In a machine of the class described, the combination with last and upper positioning means, of upper pulling means constructed to engage the upper along the side of the last including a section of the upper extending beyond the rear end of the ball of the last, and upper fastening means including a tacker arranged to



drive a tack substantially at the rear end of the ball of the last, said tacker being adjustable lengthwise of the edge of the shoe bottom.

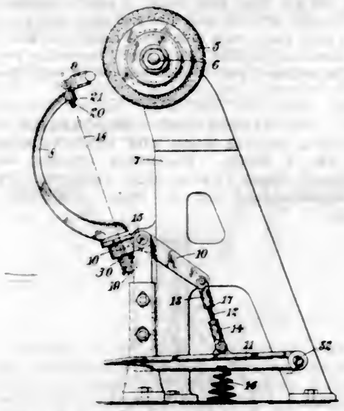
1,587,824. REFRIGERATOR. AGNES E. DOYLE, St. Maries, Idaho. Filed Dec. 17, 1924. Serial No. 756,612. 2 Claims. (Cl. 62—90.)



2. A refrigerator including a metal body, a wooden base having its upper face recessed, a shallow perforated pan arranged within the recessed base, the top of said body having a plurality of holes therein, a removable plate, downwardly depending pins on said plate adapted to engage the holes within the top of the body, a movable front for the body hinged to the bottom of said body, absorbing elements arranged at the sides, ends and the top of the body with the sides and end elements depending into the perforated pan and sheets of wire-mesh arranged over the absorbing elements to retain them in position relative to the body of the refrigerator.

1,587,825. HAT-POLISHING AND LIKE MACHINE. FRANK HENRY EVE and WILLIAM JAMES WOOD, Luton, England. Filed Feb. 11, 1925. Serial No. 8,450. 5 Claims. (Cl. 223—27.)

1. In a hat polishing or like machine of the class specified the combination with a rotary brushing member of a pivoted lever, a bow-shaped arm secured at one end to said lever and having its free end located in proximity to the brushing member aforesaid, means operable at will to rock the lever aforesaid about its pivot in a direction to move the free end of the arm towards and away from the brushing member, means to permit of the adjustment of the arm on the lever angularly about an axis which passes through the point of connection of the arm and the lever and through the extremity of the free end of the arm, a pressure-applying pad mounted on said free end of the arm, means to permit of the adjustment of said pad on the arm about the aforesaid axis round



which the arm as a whole is angularly adjustable, and means to lock the arm to the lever and the pad to the arm in any desired positions of adjustment.

1,587,826. FURRING DEVICE. WALTER B. FRANCIS, Oakland, Calif. Filed Apr. 6, 1925. Serial No. 21,027. 5 Claims. (Cl. 72—120.)

1. Means for furring metallic fabric comprising a U-shaped member formed of a single piece of wire having looped ends and arranged to be secured by its ends about strands of the fabric, and means arranged in the mid part of the member for securing it against a surface.

1,587,827. PROCESS FOR THE MANUFACTURE OF WOOD SUBSTITUTES. RUDOLF FREUDENBERG, Vienna, Austria. Filed Jan. 4, 1923, Serial No. 610,726, and in Austria Jan. 11, 1922. 9 Claims. (Cl. 18—47.5.)

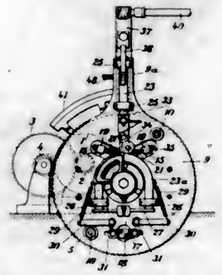
1. The process of making a substitute for wood, consisting in mixing sawdust with a binding medium, which contains an albuminous substance, caustic lime, waterglass and water and subjecting this mixture to a pressure superior to 100 atmospheres at a temperature of about 100° centigrade.

1,587,828. TELEPHONE RECEIVER. SIDNEY GERNSBACK, New York, N. Y. Filed May 12, 1923. Serial No. 638,645. 1 Claim. (Cl. 179—114.)

An adjustable telephone receiver comprising a casing formed of turned wood, a cover mounted on said casing, a diaphragm arranged in said casing adjacent said cover,

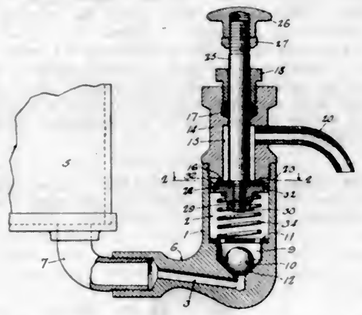
a magnet arranged centrally in said casing adjacent said diaphragm, a pole piece arranged in said magnet, a disc arranged against said pole piece, a single compressible gasket arranged between said disc and said casing coaxial with said pole piece, said pole piece being provided with an axial threaded opening, and a screw extending through said casing and said gasket and received in said opening.

1,587,829. MECHANISM FOR TEMPORARILY CONNECTING A MOTOR WITH THE RINGING MECHANISM OF A BELL. BALTHASAR GRÜTER, Buswil, Switzerland. Filed July 31, 1924, Serial No. 729,419, and in Switzerland Oct. 5, 1923. 1 Claim. (Cl. 116—25.)



A coupling mechanism for bell ringing machines for the temporary transmission of the motoric force upon the bell, comprising in combination with the driving motor, a gear wheel driven from said motor, a brake crown on said gear wheel, a disk arranged at the side of said gear wheel so that it can freely rotate, brake jaws on said disk, a lever system connected with said brake jaws, and a connecting rod shiftable in longitudinal direction for operating said lever system with said brake jaws for pressing the same against said brake crown to produce the coupling.

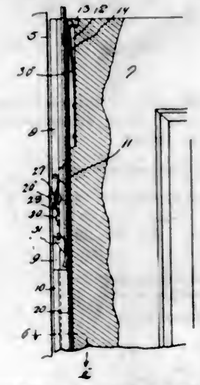
1,587,830. LIQUID-SOAP DISPENSER. HERMAN E. HEINE, Milwaukee, Wis., assignor to Bradley Wash-Fountain Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 14, 1923. Serial No. 651,582. 8 Claims. (Cl. 221—94.)



1. In a liquid soap dispenser the combination of a case having a receiving chamber and an inlet passage opening into said chamber, a cap removably attached to the case and having a discharge chamber opening into the receiving chamber, a delivery spout connected with the discharge chamber, a plunger fitted in the receiving chamber and provided with a valve for closing the opening between said chambers, an operating stem attached to the plunger and extending through the discharge chamber, said plunger being provided with a passage connecting the parts of the receiving chamber on opposite sides of the plunger, a spring holding the valve normally against its seat, and an inwardly opening check valve in the inlet passage.

8. In a device of the character described, the combination with a casing having a chamber and inlet and outlet passages therefor, and a check valve arranged at said inlet passage, of a plunger slidably fitted in said chamber and adapted to close said outlet passage, said plunger being provided with a by-pass at the periphery thereof whereby the portions of said chamber on opposite sides of said plunger are connected when the latter is in position to close said outlet passage.

1,587,831. WINDOW. JOSEPH A. HEINE, Reading, Pa., assignor to Clarence P. Hartman, Reading, and Harold J. Blatt, Quakertown, Pa. Filed Sept. 14, 1925. Serial No. 56,317. 5 Claims. (Cl. 20—52.3.)

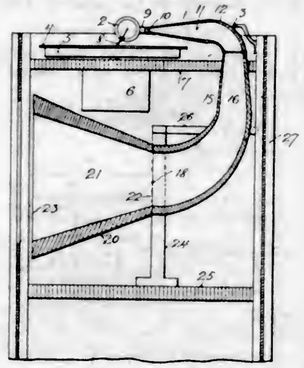


1. In combination, a window sash, an attachment, means for detachably engaging the attachment to one side of the sash, means on the attachment for engaging a sash cord, said attachment formed into three sections, two of said sections being adjustably and telescopically associated and the third section being hingedly engaged with one of the first two sections.

1,587,832. FRUIT PICKER. ROBERT HENRY, Grand Rapids, Mich. Filed July 10, 1925. Serial No. 42,679. 3 Claims. (Cl. 56—333.)

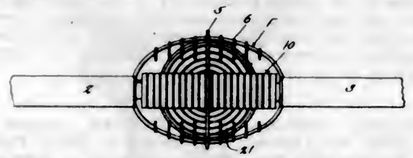
1. In a fruit picking implement, a supporting pole, a woven wire basket made in two parts each semiglobular in form, one part rigidly connected with one end of the pole and the other part pivotally connected with the rigid part, means for operating the pivoted part toward and from the rigid part; in combination with a loop securely connected with the rigid part of the basket and positioned to surround the pivoted part when it is swung away from the rigid part.

1,587,833. SOUND AMPLIFIER. CHARLES G. HENSLEY, Brooklyn, N. Y. Filed June 30, 1919. Serial No. 307,691. 5 Claims. (Cl. 181—27.)



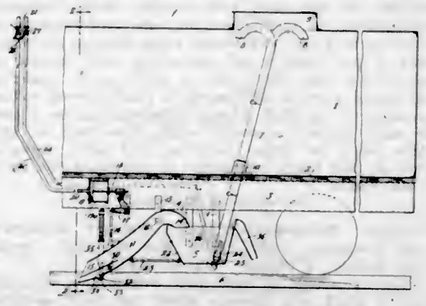
1. A sound amplifier comprising a body having an air or sound space of graduated area, the wall of said body being so graduated in thickness that said wall will have substantially the same natural period of vibration throughout.

1,587,834. RAT TRAP. JOHN D. HILL, Sr., Little Rock, Ark. Filed Jan. 28, 1925. Serial No. 5,311. 1 Claim. (Cl. 43—99.)



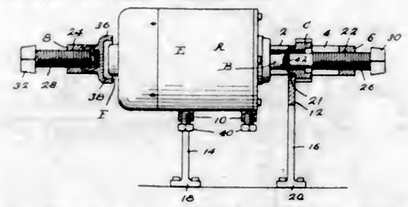
In an electric rat trap, a container open at its upper ends, wire fingers arranged in spaced relation with each other and having their free ends extending inwardly towards the center of the container, a roller mounted in the open end of the container and arranged between the free ends of the fingers, said roller having spaced contact bands positioned thereon, means for supplying electric energy to the contact bands to cause an electric circuit to be passed through the rat contacting with the bands, and said fingers adapted to cooperate with the roller to prevent rats from escaping from the container.

1,587,835. LOCOMOTIVE WATER SCOOP. RALEIGH J. HIMMELRIGHT, New York, N. Y. Filed Apr. 15, 1925. Serial No. 23,179. 10 Claims. (Cl. 103—82.)



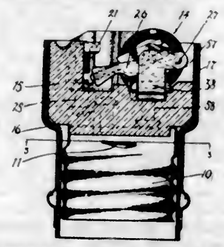
1. A locomotive tank water scoop device comprising a reservoir, a scoop arranged to deliver into the reservoir, and lifting pipes for discharging water from the reservoir into the tank, the scoop being provided with fluid pressure means for facilitating the passage of water therethrough.

1,587,836. GEAR REMOVING AND REPLACING DEVICE. W. MACK HOLMES and DEWEY H. FEHR, Pleasanton, Kans. Filed Dec. 13, 1924. Serial No. 755,759. 2 Claims. (Cl. 29—85.)



1. A machine of the character described consisting of a frame embodying concave members and an abutment and adapted to support a machine having a shaft with a wheel mounted thereon, a member operably mounted in said frame and adapted to cooperate with said abutment in removing the wheel from the shaft, and elements threaded in the concave members for adjusting the machine to bring the shaft in axial alinement to said member.

1,587,837. PULL - SWITCH SOCKET. CHARLES L. HOPKINS, River Forest, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920. Serial No. 408,531. 6 Claims. (Cl. 173—354.)

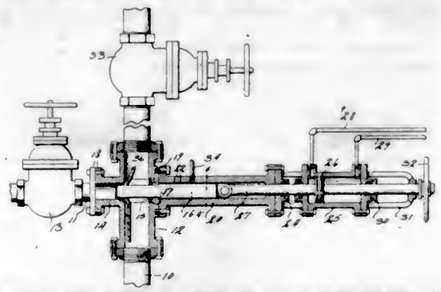


1. A switch mechanism comprising a pivoted switch blade oscillatable back and forth, a spring bearing on said switch blade, a spring shifting member for shifting said spring back and forth past a dead center line to cause oscillation of said switch blade, a supporting member mounted on a fixed pivot and having a pivotal connection with said pivoted supporting member, said spring shifting member having a slot therein, and means to oscillate said spring shifting member comprising a cam crank having a crank pin operating in said slot.

1,587,838. CONTROL HEAD FOR GAS AND OIL WELLS. HARLAN HOUK, Fort Collins, Colo. Filed Apr. 9, 1925. Serial No. 21,939. 5 Claims. (Cl. 166—15.)

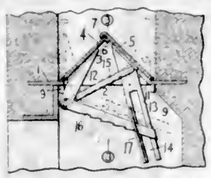
1. The combination with a well casing and a housing forming an extension thereof, the housing being formed with a branch on one side and an aperture immediately opposite said branch, a valve housing attached to the first named housing and into which said aperture opens, a gate valve operating in the valve housing and operating through the aperture and adapted to be projected so as to carry the valve into the branch entirely across the first named housing, manually controllable means for shifting said valve into or out of its projected position, the free extremity of the valve being formed with a notch extending parallel to the axis of the casing, the side walls of the notch extending to

the side edges of the valve, the notch being adapted to guide a cable to the middle of the inner end of the notch and accommodate said cable when the valve is fully closed, and packing members constituting valve seats disposed adjacent said opening in the first named



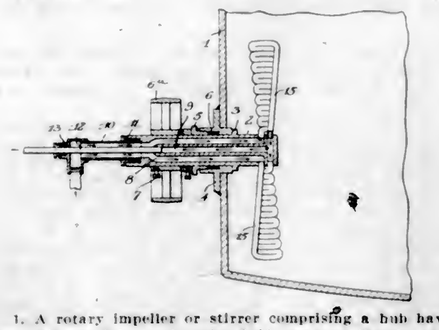
housing and contacting with the valve and packing the same, the branch opposite the opening being so formed as to permit the valve to extend into the branch and permit the cable when on the bottom of the notch to be jammed against the walls of said branch above and below the valve.

1,587,839. DAMPER. WILLIAM C. KERN and ESTEY A. KERN, Dayton, Ohio. Filed Mar. 20, 1924. Serial No. 700,468. 18 Claims. (Cl. 126—288.)



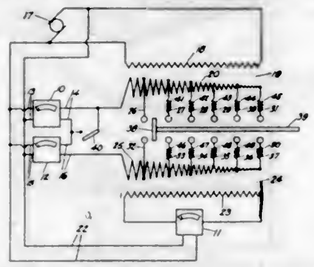
1. In a damper, a base structure having an opening therethrough and having walls extending upwardly at the respective ends of said opening, said base structure having laterally extending recesses near the respective ends of one edge of said opening, and plates extending upwardly and inwardly from said base structure at the respective lateral edges of said opening, one of said plates resting loosely on said base structure for pivotal movement thereon and having lugs extending through said recesses in said base structure to hold said plate against endwise displacement.

1,587,840. IMPELLER OR AGITATOR. RALPH B. KILMER, Rochester, N. Y., assignor to The Pfaudler Co., Rochester, N. Y., a Corporation of New York. Filed Dec. 13, 1923. Serial No. 680,328. 15 Claims. (Cl. 259—106.)



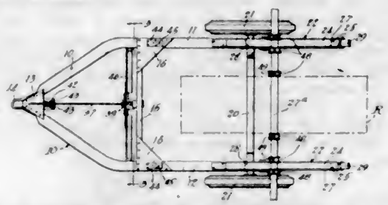
1. A rotary impeller or stirrer comprising a hub having adjacent inlet and outlet fluid passages therein and a stirring blade extending outwardly from said hub having a continuous fluid passage throughout its whole effective operative face, the ends of which are connected to the passages in the adjacent hub.

1,587,841. TESTING SYSTEM. OTTO A. KNOPF, Oakland, Calif. Filed Mar. 16, 1925. Serial No. 16,030. 5 Claims. (Cl. 175—183.)



1. In a system for testing electrical apparatus, a source of alternating current, a transformer supplied by the source, and having a tapped secondary arranged to supply current to the apparatus under test, another transformer having a tapped primary in series with the tapped secondary, and having also a secondary, a measuring instrument supplied by the latter secondary, and means for simultaneously varying the number of active turns in the tapped primary and in the tapped secondary, the taps being so arranged that the current flowing through the measuring instrument stays substantially constant independently of the variation in the current flowing in the apparatus tested.

1,587,842. REEL-HANDLING TRAILER. GARNER L. KNOX, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, a Corporation of California. Filed July 29, 1922. Serial No. 578,439. 6 Claims. (Cl. 280—53.)

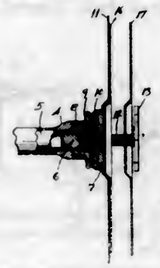


1. A vehicle of the character described comprising a U-shaped frame, wheels tiltably supporting said frame adjacent its rear open end, parallel tracks extending longitudinally of said frame and supported thereon adjacent its open end, said tracks being elevated above the plane of the frame, a reel supporting shaft rollable on said tracks, said shaft having guide means engaging said tracks, stops on said tracks to limit forward rolling movement of the shaft thereon, adjustable means to hold the shaft against rearward rolling movement on said tracks when the frame is tilted, and shaft engaging hooks on said frame rearwardly of and below the plane of said tracks.

1,587,843. POLISHING TOOL. PHILIPP KORENEFF, San Francisco, Calif. Filed May 19, 1925. Serial No. 31,455. 4 Claims. (Cl. 51—197.)

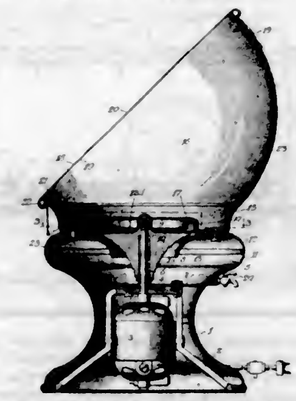
2. In an article of the class described a revoluble shaft, a hand grip through which the shaft operates, a fixed flexible disk carried by said hand grip, a pair of revoluble flexible disks adjacent the fixed disk, a

sheet of abrasive material and means to secure the corners of the sheet of abrasive material between the



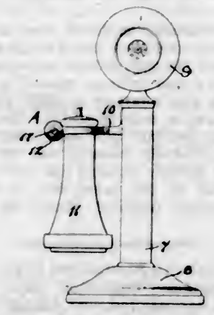
revoluble disks and to the revoluble shaft, whereby the abrasive material may be rotated.

1,587,844. FACE-SPRAYING DEVICE. MARGOT LANDBERG, Chicago, Ill. Filed Dec. 22, 1925. Serial No. 76,992. 5 Claims. (Cl. 128—66.)



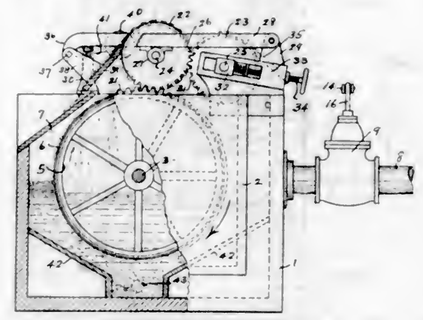
1. A device of the character described, comprising a casing divided into three compartments, one compartment containing a motor, a second compartment being a liquid container and provided with an atomizer driven by said motor, and a third compartment for receiving the spray from said atomizer, one face of said third compartment being closed by a flexible diaphragm having a substantially central opening therein.

1,587,845. ATTACHMENT FOR TELEPHONES. GUY S. LANE, Philadelphia, Pa. Filed Oct. 10, 1922. Serial No. 593,516. 2 Claims. (Cl. 179—178.)



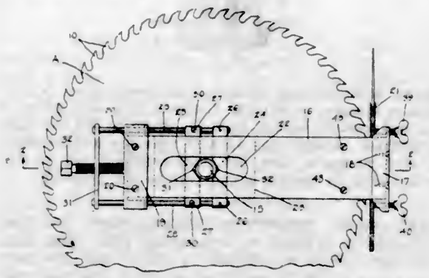
1. The combination with a telephone having a stand and a forked telephone receiver hook, of telephone suspension means comprising a member secured to said hook adapted to be grasped by the receiver holding hand and lying outside of the opening between the forks to permit insertion and removal of the receiver in the usual manner.

1,587,846. SEWAGE-DISPOSAL APPARATUS. VICTOR A. LANG, Houston, Tex. Filed Oct. 22, 1923. Serial No. 670,130. 7 Claims. (Cl. 210—201.)



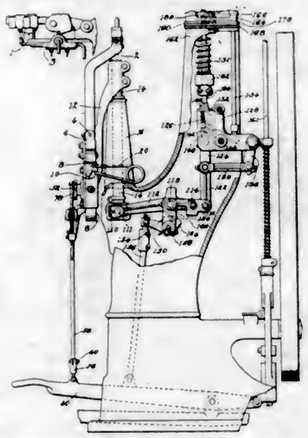
1. In a sewage disposal apparatus, the combination with a casing having a chamber therein whose bottom is of hopper-like formation and provided with a discharge port, an end chamber at one end of the casing having a discharge port, said end chamber communicating with the casing chamber through a circular opening, of a foraminated rotatable drum in the casing, one end of which is fitted into said opening, a pair of foraminated rotatable drums mounted above the casing and arranged to cooperate, one of which is adjustable relative to the other one, and the latter cooperating with, and being adjustable relative to the casing drum, fabric covering for said last mentioned drums, an inlet entering the casing, said inlet being equipped with an automatic controlling means, and a yieldably mounted deflector, one edge of which lies adjacent one of the drums of said pair.

1,587,847. SAW JOINTER. PETER N. LATUFF, St. Paul, Minn. Filed Feb. 11, 1924. Serial No. 691,976. 2 Claims. (Cl. 26—48.)



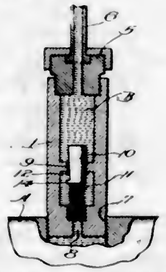
1. A saw jointer comprising an arm having a longitudinal opening formed therein, a base, a mandrel formed on said base adapted to rotatably support a saw and to pass through said opening, a guideway formed on said arm, a journal movable along said guideway for journalling said arm upon said mandrel, means for adjustably moving said journal with said mandrel along said guideway and dressing means attached to the end of said arm.

1,587,848. WORK SUPPORT. FRED L. MACKENZIE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 5, 1924. Serial No. 724,388. 14 Claims. (Cl. 1—41.)



1. In a machine of the class described, a work support, work measuring means, work clamping means, manually operated means for operating the measuring means and the clamping means in succession, and connections between said manually operated means and said measuring means constructed and arranged to prevent the transmission of vibration to said manually operated means.

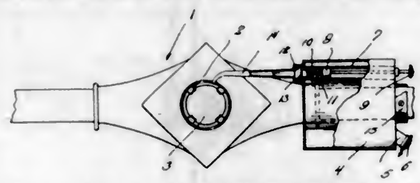
1,587,849. LUBRICATING SYSTEM. GEORGE L. MOORE, Chicago, Ill. Filed Dec. 10, 1925. Serial No. 74,432. 7 Claims. (Cl. 184—7.)



6. In a lubricating system a lubricant pump, a plurality of bearings at varying distances from said pump, a branched conduit leading from the pump to the bearings, a restricted passage way in said branches and pressure operated means to vary the cross sectional area of the passage way in inverse proportion to the pressure.

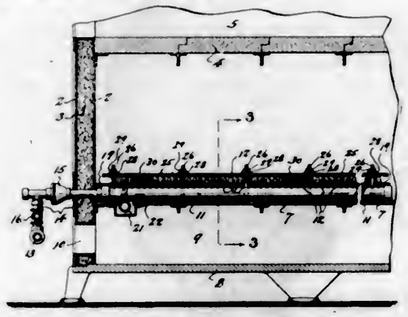
1,587,850. DIESTOCK-LUBRICATING DEVICE. CHARLES J. O'HARE, St. Petersburg, Fla. Filed Aug. 19, 1924. Serial No. 732,936. 1 Claim. (Cl. 10—126.)

As a new article of manufacture an oil can fashioned to permit it to be detachably fitted upon a die stock handle provided with an internal cylinder, a plunger slidable in said cylinder and having its stem extending through the cylinder to the exterior of the can, said stem being provided on its outer end with a finger piece, a spring confined within said cylinder and bearing at one end against said plunger for retracting the same, said cylinder being provided in the wall with an intake port, said spring serving to normally move said plunger to a position to uncover said port, a discharge spout in alignment with said cylinder, said spout being provided adjacent its point of juncture with the can with an enlarged portion, a check valve disposed in said enlarged



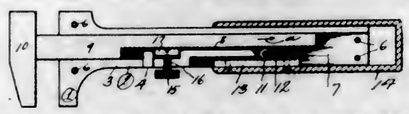
portion to close one end of said cylinder, and a clamping collar carried by the can and adapted for connection to a die stock handle.

1,587,851. GAS-BURNER STRUCTURE FOR BAKERS' OVENS. EDWIN H. POTTER, Brooklyn, N. Y., and CHARLES S. SHARP, Boonton, N. J., assignors to Hubbard Oven and Mfg. Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed July 3, 1925. Serial No. 41,245. 15 Claims. (Cl. 126—273.)



15. The combination with a perforate pipe gas burner of a baffle plate spaced above and longitudinally coextensive with said burner, said baffle plate having at its under or burner facing side expansion compensating means comprising a plurality of spaced apart transverse channels.

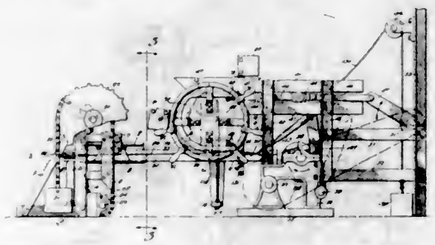
1,587,852. WRENCH. JOHN B. RAICH, Fort Wayne, Ind., assignor, by direct and mesne assignments, to George Guraly, Gary, Ind. Filed Dec. 5, 1924. Serial No. 754,198. 1 Claim. (Cl. 81—130.)



A wrench comprising an inner jaw, an outer jaw, a chambered shank carried by the inner jaw, a shank carried by the outer jaw and slidably mounted in the shank of the inner jaw and entirely housed in the shank of the inner jaw, a gear rotatably mounted within the shank of the inner jaw, a rack carried by the shank of the outer jaw and meshing with said gear, a chambered handle member slidably mounted on the shank of the inner jaw and entirely housing one end thereof and a rack bar carried by the inner side of the chambered handle and slidably mounted within the shank of the inner jaw.

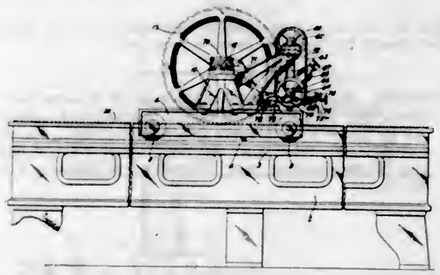
1,587,853. BUILDING-BLOCK-MOLDING APPARATUS. NATHAN RANSOHOFF, Cincinnati, Ohio. Filed Aug. 6, 1923. Serial No. 655,799. 27 Claims. (Cl. 25—41.)

1. In a machine of the class described, a support, and a mold having rockers engaged with said support for rotating and translating the mold upon the support, said rockers having terminal stops of unequal length for



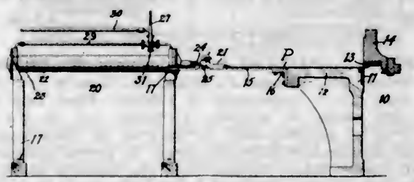
limiting mold rotation from upright to inverted position, and for obtaining different degrees of equilibrium of mold placement, in those positions.

1,587,854. PRINTING MACHINE. LILE C. RAWSON, Chicago, Ill., assignor to E. S. Kyle, Chicago, Ill. Filed Mar. 10, 1922. Serial No. 542,529. 14 Claims. (Cl. 101—212.)



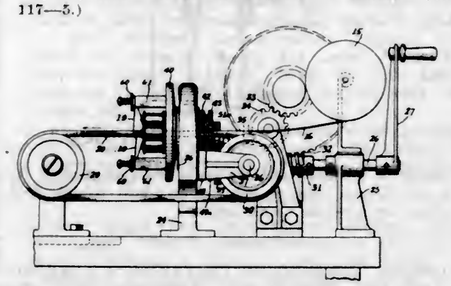
1. A machine of the character described comprising a work support, a carriage mounted adjacent to said support, a form cylinder supported by the carriage, gearing for moving the carriage and rotating the cylinder, a motor supported by the carriage, mechanism driven by the motor for operating said gearing to move the carriage and rotate the cylinder, and means supported by the carriage for causing said motor to operate said mechanism alternately in opposite directions.

1,587,855. METAL-EXPANDING MACHINE. EDWARD T. REDDING, Swissvale, Pa., assignor to Consolidated Expanded Metal Companies, a Corporation of Pennsylvania. Filed July 30, 1921. Serial No. 488,570. 2 Claims. (Cl. 214—1.)



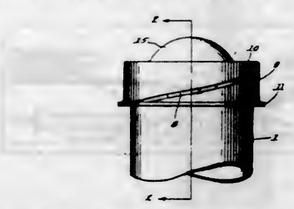
1. A motor feed mechanism for a sheet metal shearing and expanding machine comprising a head with separated grippers thereon for grasping the sheet at its following edge; ways for supporting and guiding said grippers; and a motor cylinder with piston connected to said head to advance the sheet to the shearing and expanding mechanism of the machine.

1,587,856. MACHINE FOR MAKING CORDAGE ARTICLES OR THE LIKE. ALBERT G. REED, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Original application filed Jan. 11, 1923, Serial No. 611,987. Divided and this application filed July 28, 1924. Serial No. 728,526. 8 Claims. (Cl. 117—5.)



1. A belt making machine comprising a pair of interfitting oppositely running discs forming a winding head, hubs made on the discs and concentrically journaled one within the other and provided with a belt passage, a pinion fixed to each hub, the aforesaid parts provided with a slotted opening connecting with the belt passage, and a transmission driving the pinions in opposite directions.

1,587,857. CAP CLOSURE. JAMES S. REID, Cleveland, Ohio, assignor to The Easy-On Cap Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 3, 1922. Serial No. 540,748. 9 Claims. (Cl. 220—24.)

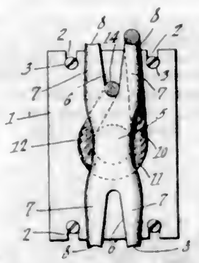


1. A closure structure, comprising a tubular body member, a cap member, interengaging means between said members permitting relative rotation therebetween for applying said cap member to and removing it from said tubular member, said cap member being provided with an air chamber, said chamber having a vent opening to the atmosphere and having also a vent means providing communication between said chamber and the interior of said tubular body member when the cap member is applied thereto, and a member supported in said vent means and having releasable locking engagement with said tubular body member so as to secure said cap member on said tubular member in any position to which said cap member is turned.

1,587,858. ROPE HOLDER. JACOB J. REITZ, Akron, Ohio. Filed Aug. 30, 1924. Serial No. 735,135. 1 Claim. (Cl. 24—129.)

In a device of the class described, a cleat comprising a base, a body projecting from the base at right angles thereto, and a transverse head carried by the body and disposed approximately parallel to the base, the head being provided with a terminal notch of approximately

V-shape, the notch defining arms provided in their ends with seats, the axes of the seats being disposed at right

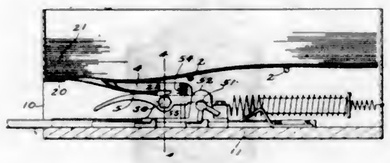


angles to the base, and the seats being so shallow that a line located therein may be dislodged readily therefrom, for reception in the notch.

1,587,859. PROCESS OF PREPARING A LUBRICATING OIL. WIRT D. RIAL, Wilmington, Calif. Filed Nov. 2, 1925. Serial No. 66,387. 4 Claims. (Cl. 87—9.)

1. The process of preparing a lubricating oil which consists in treating a fixed vegetable oil with a carbocyclic acid capable of increasing the capillarity of the castor oil, and then mixing the vegetable oil thus treated with mineral oil.

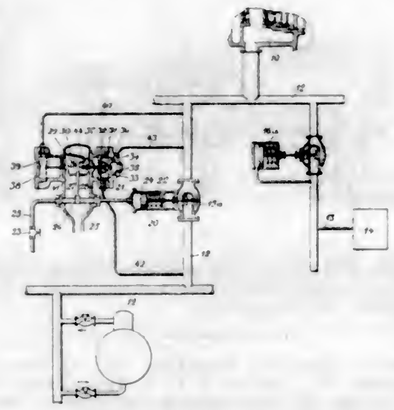
1,587,860. BAG-DISPENSING MACHINE. GEORGE W. RITTENHOUSE, Seattle, Wash., assignor of one-half to Homer P. Smith, Seattle, Wash. Filed Dec. 31, 1925. Serial No. 78,551. 7 Claims. (Cl. 211—8.)



1. In a device for dispensing paper bags having folded bottoms, a bag holding compartment adapted to hold the bags flatwise, the end of said compartment which receives the bottom ends of the bags being open below the bags but provided with means for supporting the extreme edge of their bottom ends, means for gripping the inwardly folded edge of the bag bottom to first free it from said end support, and to then withdraw it from beneath the pile of bags.

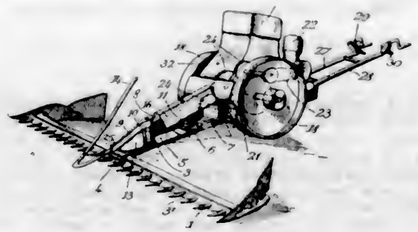
1,587,861. STEAM ACCUMULATOR PLANT. JOHANNES RUTHS, Djursholm, Sweden, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation of Sweden. Filed Apr. 18, 1925. Serial No. 24,144. 3 Claims. (Cl. 60—67.)

1. In a steam plant, in combination, a steam chamber, a low pressure consumer, an accumulator, a conduit adapted to conduct steam both in direction from said accumulator toward said consumer and in direction from said consumer to said accumulator, a valve in said conduit operated by the pressure on the consumer side of the same, a second valve in said conduit to control flow of steam to said consumer, a pipe extending from said chamber to said conduit at a point between said valves, and valve mechanism to allow passage of steam from said



pipe to said accumulator when the pressure in said chamber exceeds the pressure in the accumulator.

1,587,862. MOWING MACHINE. ARNOLD RUTISHAUSER, Olten, and JACOB FAHRNI, Zurich, Switzerland, assignors to Eisen- & Stahlwerke Oebler & Co. A.-G., Aarau, Switzerland. Filed Apr. 28, 1924, Serial No. 709,556, and in Switzerland Mar. 25, 1924. 5 Claims. (Cl. 56—317.)

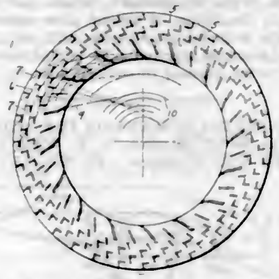


1. In a mowing machine, the combination with a wheeled frame having a middle, forwardly projecting part, a carrier supported thereover and having its forward end downwardly inclined, a pintle on said end, a substantially triangular plate mounted on said pintle, means to oscillate said plate and a divider at the rear of said plate, whereby a swath is laid to both sides of said part.

1,587,863. GRINDING BURR. GEORGE W. RYNDERS, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a Corporation of Illinois. Filed July 26, 1923. Serial No. 653,953. 8 Claims. (Cl. 83—3.)

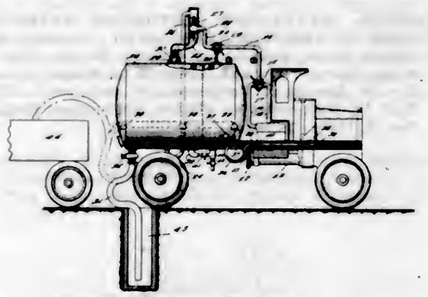
7. In a grinding burr, a plurality of acute angled shearing members disposed thereon in circles concentric with the periphery of said burr, the shearing members on each of said circles being offset with respect to the shearing members on adjacent circles and having their acute angles disposed in the same direction, a plurality of parallel ribs disposed on a circle concentric with and offset to the innermost circle of angular shearing members and a plurality of obtuse angled ribs having the

obtuse angle extending opposite in direction to the acute angles of the first named shearing members, the



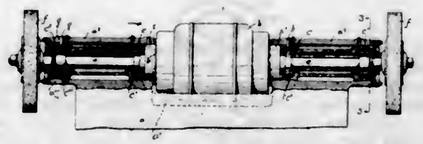
cutting edges of said obtuse-angled members being alternated by parallel ribs disposed offset to the parallel ribs of the last named circle of parallel ribs.

1,587,864. EDUCTOR. CHARLES E. SARGENT, Elgin, Ill. Filed Apr. 17, 1925. Serial No. 23,755. 14 Claims. (Cl. 214—65.)



1. An eductor, comprising two tanks, an air compressor, inlet and discharge pipes for said compressor, a four-way valve, said inlet and discharge pipes being connected respectively to two of the ports of said valve, a third port of said valve being open to atmosphere, a pipe connected to the fourth port of said valve, a three-way valve, said last-named pipe being connected to one port of said three-way valve, and pipes respectively connecting the other two ports of said three-way valve with said two tanks.

1,587,865. GRINDING MACHINE. FRANKLIN SCHNEIDER, Cleveland, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 12, 1921. Serial No. 499,958. 5 Claims. (Cl. 51—166.)



1. In combination, a single shaft provided with means for supporting tools on its ends, separated bearing structures spaced along said shaft and each including a relatively stationary part and a relatively rotating part, the latter secured to the shaft, said bearing structures being each symmetrical about the axis of the shaft, and a support therefor provided with spaced holding members having axially aligned symmetrical portions to receive and hold said relatively stationary bearing parts, and driving means for said shaft including relatively stationary and rotatable motor parts, the relatively rotatable motor part being secured to the shaft between said two bearing structures, and means for maintaining said relatively stationary motor part concentrically related to the axis of said shaft and stationary with respect to said rotating part, and including means on said relatively stationary motor part cooperatively related to said holding members for holding said relatively stationary motor part against rotation.

1,587,866. MONOIODO-OXINDOL AND PROCESS OF MAKING SAME. WALTER SCHOELLER, Berlin-Westend, and KURT SCHMIDT, Berlin-Friedenau, Germany, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed Nov. 24, 1925, Serial No. 71,216, and in Germany Dec. 10, 1924. 5 Claims. (Cl. 260—47.)

1. As a new product the monoiodo-oxindol, being fairly soluble in acetic ester and glacial acetic acid, crystallizing in red brownish fascicular needles and decomposing at about 168° C.

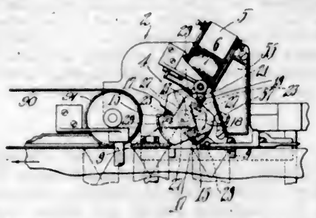
1,587,867. LOCK FOR GEAR-SHIFT LEVERS AND THE LIKE. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Nov. 21, 1919. Serial No. 339,537. 9 Claims. (Cl. 70—128.)

1. In combination with an operating lever provided with a spherical bearing member, a supporting bracket in which said bearing member is movably mounted, means for locking said lever to said bracket, comprising a plurality of bolts having substantially T-shaped heads, said bolts slidably mounted within said spherical bearing member with the heads thereof movable into locking engagement with said bracket, key-controlled means for retaining said bolts in their extended position, said bolt heads provided with beveled edges constructed to cooperate with said supporting bracket to retract said bolt by the movement of said lever.

1,587,868. AIR-EXHAUSTING MECHANISM FOR LABELING MACHINES. ELMER LOVELL SMITH, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1921. Serial No. 515,265. 12 Claims. (Cl. 216—53.)

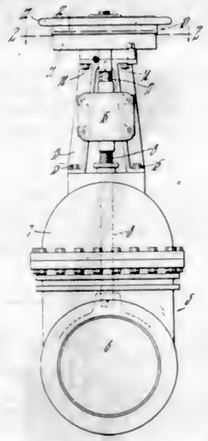
1. In a wrapping and labeling machine, the combination with an oscillatory member of the wrapping mechanism and a suction plate for periodically operating upon

the labels in a supply magazine, of an air exhausting mechanism comprising a suction pump of the reciprocatory piston type connected with said suction plate and



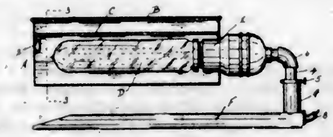
adapted and arranged to be actuated by direct connection of its piston with said oscillatory member so that said piston is moved in a suction stroke as the said plate operates upon a label.

1,587,869. POWER UNIT FOR GATE VALVES. EMORY T. SMITH, Ludlow, Mass., assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass., a Corporation of Massachusetts. Filed July 11, 1921. Serial No. 483,865. 22 Claims. (Cl. 74—7.)



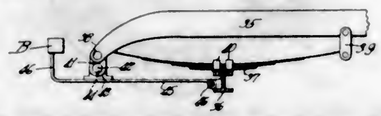
1. A power transmission unit having, in combination, a driving shaft, a rotary driven member, means for rotating said member including a housing member carried thereby forming manually operating means therefor having gear teeth upon its interior, reduction gearing disconnectibly connecting said shaft and said gear teeth and a second housing member cooperating with said geared housing member to entirely enclose said reduction gearing.

1,587,870. HOSE-DISPLAY DEVICE. FRANKLIN R. SMITH and WILLIAM D. ANDERSON, Salt Lake City, Utah. Filed Dec. 17, 1924. Serial No. 756,617. 2 Claims. (Cl. 88—14.)



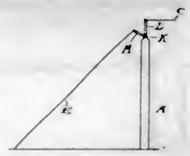
1. A hose displaying device comprising a base; a vertical standard secured thereon; a case having a glazed transparent top and closed sides and bottom with their inner surfaces covered with reflecting material; means to connect said case with said vertical standard and allow the case to be swung horizontally around the axis of said standard; a diaphragm of ground glass spaced from and horizontally disposed relative to said top; an electric light globe mounted longitudinally in said case; and wires to carry electric current to said globe.

1,587,871. SPRING SUSPENSION FOR AUTOMOBILES. HINSDALE SMITH, Keyport, N. J. Filed Jan. 5, 1925. Serial No. 528. 6 Claims. (Cl. 293—55.)



1. The combination of a vehicle frame and axle with a spring suspension therefor comprising, a spring connected to said frame and axle for supporting the frame above said axle, a non-supporting member, connections between said non-supporting member and the axle and frame, and a member extending forwardly of said connections.

1,587,872. MEANS FOR SUPPORTING ANTENNÆ USED IN WIRELESS TELEGRAPHY. RICHARD ST. GEORGE-MOORE, London, and GEORGE SCOVELL WHITMORE, Eastcote, England, assignors to Radio Corporation of America, a Corporation of Delaware. Filed Sept. 16, 1920, Serial No. 410,648, and in Great Britain Nov. 3, 1919. 3 Claims. (Cl. 189—23.)



1. The combination of a mast, an antenna, a back stay and two drums of different radii journalled on the mast, the antenna being wound round the larger drum and the back stay being wound round the smaller, and the radii of the drums being so chosen that the resultant stress upon the mast may be vertical, substantially as described

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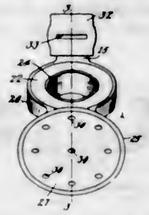
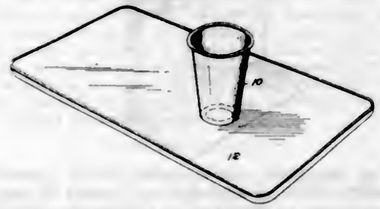
1,587,873. SURFACE WASHER. FRED G. STONE, Manchester, N. H., assignor to Stone Surface Washer Company, Inc., North Andover, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1925. Serial No. 57,622. 3 Claims. (Cl. 299—112.)



1. A surface washer comprising a water-conducting receiving head, a water-delivering head, and a water-conducting neck, extending substantially at right angles to the plane of the delivering head, directly connecting the heads and spacing the same apart, the neck and delivering head being formed to be grasped by an operating hand and permit the flexure of fingers and the thumb across the delivering face of said head to confine a detached applicator thereon, the arrangement being such

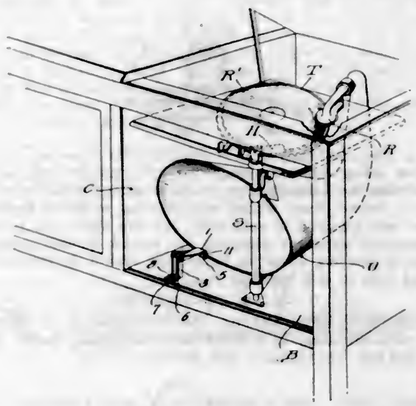
that the receiving head is offset inwardly from the outer portions of the flexed fingers when the washer is in use, so that said head is in a non-interfering position relative to the surface to which the applicator is applied, said receiving head including an outwardly directed nozzle adapted to emit a jet of water beside the back of the operating hand without contact therewith.

1,587,874. RECEPTACLE OR HOLDER. JOHN W. STRICKLAND, Nashville, N. C. Filed Aug. 7, 1925. Serial No. 48,855. 1 Claim. (Cl. 65—13.)



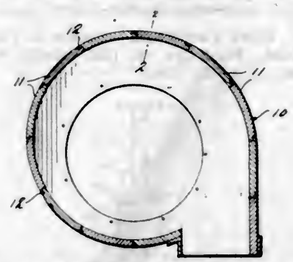
A receptacle or holder having a raised bottom affording a chamber and a marginal contacting edge, and a vacuum cup attached to said bottom, said cup being arranged wholly within said chamber when the receptacle or holder is forced downwardly so that said marginal contact edge engages the tray or the like, whereby the cup will hold the receptacle or holder upon the tray without rattling.

1,587,875. STARTING ATTACHMENT FOR EDISON PHONOGRAPHS. ROBERT THOMPSON, Ilion, N. Y. Filed May 4, 1925. Serial No. 27,886. 8 Claims. (Cl. 274—9.)



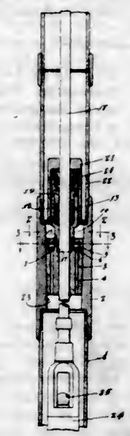
1. In combination with a phonograph having a record table and a tone-arm-and-horn-unit, the latter being mounted for vertical movement and for horizontal swinging; a stop adapted to abut a portion of said unit when the latter is manually swung inwardly sufficiently to dispose the usual stylus at starting position with respect to a record on the table, and supporting means for said stop preventing descent of the latter when the above-named unit is lowered to engage the stylus with the record, the aforesaid portion of said unit being movable under said stop throughout the record playing operation, said stop being adapted to be immediately lifted by said unit when the latter is lifted and sustained thereby while said unit is being swung to inoperative position, said stop being then adapted to drop to operative position, in readiness for further use.

1,587,876. FAN SCROLL FOR COTTON EXHAUSTERS. HARRY E. TOLLIVER, Mangum, Okla. Filed Aug. 25, 1925. Serial No. 52,435. 5 Claims. (Cl. 230—11.)



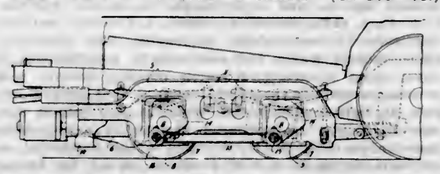
1. A fan casing for cotton exhausters including side walls, and a transversely extending scroll, the scroll being made in sections, each removably attached to the side walls and each removable independently of any other section.

1,587,877. VALVE APPARATUS. FRED B. VAUGHN, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-half to Idris Thomas, Los Angeles, Calif. Filed Apr. 21, 1924. Serial No. 707,932. 6 Claims. (Cl. 103—202.)



1. In a valve apparatus, the combination of a valve body having a plurality of valve chambers with their corresponding valve openings below the valve chambers, and a valve operating in each valve chamber, said body having a circumferential slot in its end with arcuate ducts connecting the valve chambers, said arcuate ducts operating to provide a lateral passage increasing the area for the flow of liquid passing up through the valves.

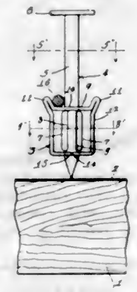
1,587,878. RAILWAY BOOSTER. HARRY S. VINCENT, Ridgewood, N. J., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed July 8, 1924. Serial No. 724,748. 5 Claims. (Cl. 105—73.)



1. The combination with a railway truck having a plurality of wheels, of a booster normally driving one of

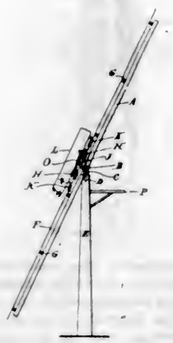
the wheels, and normally inoperative means for transmitting power to another wheel when that first mentioned slips.

1,587,879. WIRE FASTENER. GEORGE F. VOIGHT, Oakland, Calif. Filed Dec. 19, 1925. Serial No. 76,561. 8 Claims. (Cl. 72—118.)



1. A wire fastener comprising, a nail having a shank provided on one side with a lateral projection, and a spacing element having portions engaging portions of said shank above and below said projection.

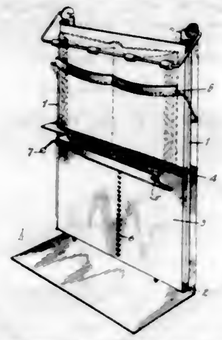
1,587,880. METHOD AND APPARATUS FOR RADIO-SIGNALING. ROY ALEXANDER WEAGANT, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919. Serial No. 275,557. 22 Claims. (Cl. 250—20.)



1. The method of minimizing static interference in radio reception with a directive antenna, such as a linear oscillator, an ungrounded antenna or an ungrounded linear oscillator, which consists in adjusting the directivity of the antenna relatively to the horizontal plane until said antenna becomes substantially unresponsive to said impulse, and receiving signals in said antenna.

12. In a radio receiving system, a directive antenna responsive to horizontally propagated high frequency electro-radiant waves and substantially unresponsive to waves from a certain direction relative thereto, said antenna comprising a linear oscillator and having two axes at right angles about which it is rotatable and whereby it may be positioned so that its unresponsive direction is inclined at an angle to the horizontal to eliminate waves from said direction, means for tuning said antenna to the horizontally propagated waves and receiving devices responsive thereto.

1,587,881. ATTACHMENT TO COPYHOLDERS. GRACE WEBBER, Ozone Park, N. Y. Filed Aug. 31, 1925. Serial No. 53,754. 1 Claim. (Cl. 120—28.)

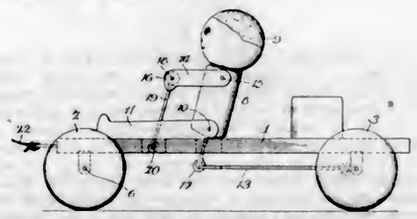


In an adjustment and attachment to a copyholder, the combination of an adjustable shelf sliding on parallel bars attachable to the frame of a copyholder, and said shelf being supported and held in position by a bracket attached to the front part of the shelf, the base rod of said brace being adapted to rest against the surface or face of the frame of the copyholder, and being held in position by lugs, and being further counterbalanced by a rod terminating in a weighted knob attached to the outer edge of the supporting bracket and inclining toward the surface of the copyholder, which adjustment and attachment is for the purpose of holding and supporting a book in position when opened on the adjustable shelf.

1,587,882. GUIDE FOR SHUTTLES. BRUNO WEGLARSKI, Philadelphia, Pa. Filed June 19, 1925. Serial No. 38,135. 5 Claims. (Cl. 139—212.)

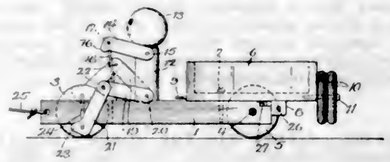
2. The combination in a shuttle of a weaving loom, of a pulley rotatably supported by a pin secured to a movable boss engaging in an opening, for displacement, in a bracket fixed within said shuttle, a spring having one end attached to said boss, and the other end to an operating screw for adjusting the tension of said spring, and a limiting screw to adjust the length of travel of said boss in said opening.

1,587,883. MECHANICAL TOY. CLARENCE A. WETZELL, Sterling, Ill. Filed Apr. 23, 1923. Serial No. 633,916. 2 Claims. (Cl. 46—45.)



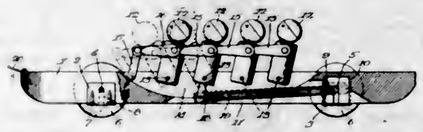
1. In a toy having simulated driving wheel propelling means operated by a toy figure, a support provided with wheels to travel along the floor, a toy figure mounted in riding position on said support and having pivotally connected portions including a rocking body and pivoted arms actuated thereby, wheel operated means to cause motion of said pivotally connected portions of the figure by actuation of said body, and means to simulate a propelling device for operating one or more of said wheels, mounted on the wheeled support and connected to said arms, whereby said device is actuated by said arms, by motion communicated thereto from said body of the figure, so that the figure actually operates said simulated propelling device and thereby appears to be propelling the toy by hand power communicated to one or more of said wheels, when the toy is moved forward along the floor, said support being a flat member, said figure comprising legs fixed on said support, said body being pivoted on said legs, with said arms pivoted on said body, and said device comprising a link connecting said arms to said support, said wheel operated means comprising a crank shaft and a pitman connected to the lower end of said body, whereby the body is rocked on its pivot by the rotation of said crank shaft, thereby to cause said arms to vibrate said link to simulate propelling means.

1,587,884. MECHANICAL TOY. CLARENCE A. WETZELL, Sterling, Ill. Filed Apr. 23, 1923. Serial No. 633,917. 14 Claims. (Cl. 46—45.)



1. In a toy, the combination of (1) a wheeled support, (2) a body removably secured thereon, detachable therefrom to form a trailer therefor, and (3) instrumentalities including means to form a draft connection and means whereby to support the body on the floor, carried by the toy and adapted for converting said body into a trailer for said toy, when the body is removed from the wheeled support, so that the one and the same body can serve either as a carrier on the wheeled support, or as a trailer behind.

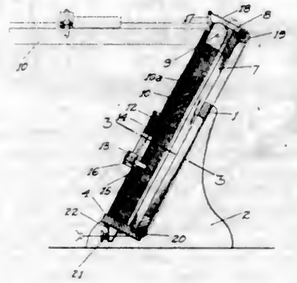
1,587,885. MECHANICAL TOY. CLARENCE A. WETZELL, Sterling, Ill. Filed Sept. 4, 1925. Serial No. 54,411. 3 Claims. (Cl. 46—45.)



1. A rowing crew toy comprising a boat, wheels therefor, a plurality of figures each comprising a body and arms and a head, disposed in a row in said boat, means to pivot the lower end of each body in the boat, means to pivotally connect the arms together, so that a figure in the rear has the appearance of having outstretched arms with hands upon the shoulder of the figure ahead, means to support the arms of the figure in front, and wheel operated means to actuate one of said figures, thereby to transmit motion through arms from one figure to another.

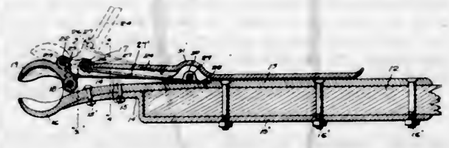
1,587,886. CROSS-READING GUIDE. ED WHITMORE, Modesto, Calif. Filed Mar. 24, 1925. Serial No. 17,894. 8 Claims. (Cl. 35—9.)

1. A cross-reading guide for books comprising, as a unitary structure a stand for supporting a book, a bar adapted to be placed between adjacent pages of the book, a cross-lining guide mounted in connection with the bar and adapted for movement vertically of the bar and book-pages, and a pivotal connection between the



bar and the stand beyond the plane of a horizontal edge of the book disposed to enable the bar to be swung clear of the book at will, whereby to allow of a page of the book being turned without disturbing the book on the stand.

1,587,887. PITMAN CONNECTION. STEPHEN H. WHITNEY, Idaho Springs, Colo., assignor of one-fourth to James Stephenson Whitney, Idaho Springs, Colo. Filed Feb. 11, 1925. Serial No. 8,323. 7 Claims. (Cl. 287—89.)

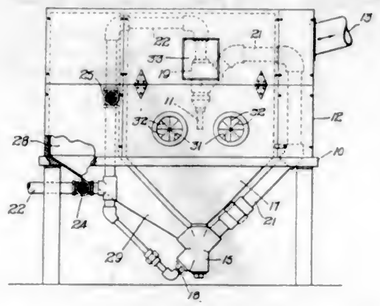


6. A pitman, a stationary bearing element connected with one end of the pitman, a pivoted bearing element arranged near the first named bearing element, a substantially rigid compression lever extending longitudinally of the pitman and pivotally connected with the pivoted bearing element at a point upwardly of its pivot, and a leaf spring having its forward end connected to the compression lever at a point rearwardly of the pivot of the pivoted bearing element and having its inner end secured to the pitman, said compression lever being held by the leaf spring in close relation to the pitman and being adapted to be swung outwardly from the pitman so that it will swing the pivoted bearing element outwardly.

1,587,888. SAND-BLAST APPARATUS. CHARLES A. WICKSTROM and JAMES S. PATEY, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,252. 3 Claims. (Cl. 51—12.)

1. In a sandblast apparatus, a cabinet, an exhaust duct connected therewith for withdrawing pulverized sand from said cabinet, a blasting nozzle within said cabinet, a sand supply chamber collecting spent sand from said blasting nozzle, a sand storage hopper connected with said chamber for furnishing an amount of sand thereto approximately equal to the pulverized sand withdrawn through said exhaust duct, a conduit connecting the chamber with the nozzle, said sand storage hopper and its connection with the supply chamber being so designed that the level of sand within the chamber is maintained substantially constant, an agitator

nozzle in the supply chamber and below the level of sand therein, and means for supplying a current of air

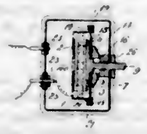


to the blasting nozzle and to the agitator nozzle for moving sand from the supply chamber through the conduit to the blasting nozzle.

1,587,889. HOSIERY. DANIEL YOUNG, Brooklyn, N. Y., assignor to Young Inventions, Inc., a Corporation of New York. Filed Aug. 19, 1922. Serial No. 582,923. 7 Claims. (Cl. 66—172.)

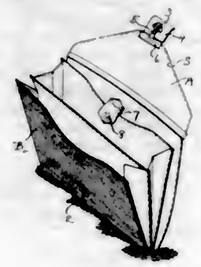
1. An article of manufacture comprising a stocking having two distinct tops and being disconnected at their respective tops, one top being smaller and shorter than the other top, and located within the other top, and acting as a support for the stocking.

1,587,890. HYDROPHONE. WALTER H. BARBER, Stoneham, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed May 25, 1921. Serial No. 472,538. 2 Claims. (Cl. 179—127.)



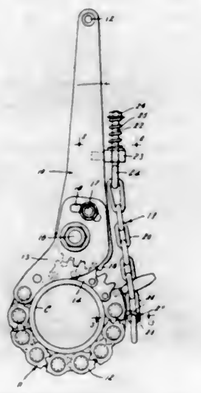
1. A microphone button comprising two electrodes and a diaphragm comprising separate and independent disks of elastic material of the same diameter in contact and clamped together at their edges to form a single vibratable member, said disks having the same coefficient of expansion, one of said electrodes being connected to said diaphragm to move therewith.

1,587,891. HAND-BAG CONSTRUCTION. MAX BERKOWITZ, Richmond Hill, N. Y. Original application filed June 26, 1924, Serial No. 722,461. Divided and this application filed Mar. 2, 1925. Serial No. 12,503. 2 Claims. (Cl. 150—28.)



1. A movable member having mounted thereon a fastening device, said fastening device having a swiveled member with a connector portion thereon, said connector portion adapted to engage either of two cooperating connector portions when said movable member is moved to either of two positions and when said swiveled member is turned through 180 degrees.

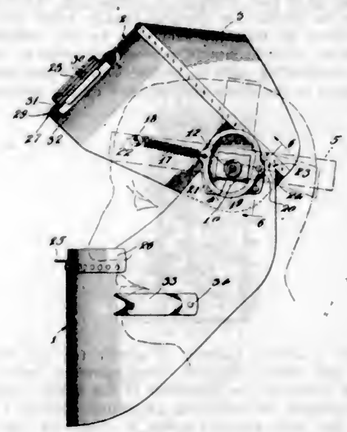
1,587,892. SAFETY TIE FOR TONGS. WILLIAM L. BESSOLO, Clearwater, Calif. Filed Dec. 21, 1922. Serial No. 608,200. 4 Claims. (Cl. 81—67.)



1. A tool of the character described including two parts, one a lever, the other a casing-engaging mechanism adapted to close around a casing, a tie having one end slidably connected with one part and the other end adapted to detachably connect with the other part, and resilient means at the slidable connection to hold the detachable connection tight.

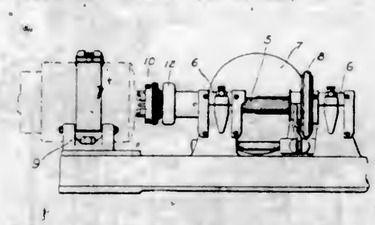
1,587,893. WELDER'S HELMET. FREDERICK M. BOWERS, Chester, Pa. Filed Apr. 2, 1925. Serial No. 20,059. 11 Claims. (Cl. 2—8.)

1. A helmet including a lower shielding section; an upper shielding section having its sides pivoted to the sides of the lower section and adapted to swing from the lower section to open position above the head of the



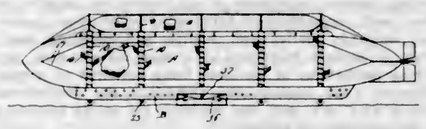
user; lenses carried by the upper section, and means connected with the sections for keeping the upper section in open or closed position.

1,587,894. DRIVE MECHANISM. FAY E. BRONK and GEORGE R. FESSENDEN, Rochester, N. Y., assignors to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed June 28, 1920. Serial No. 392,327. 3 Claims. (Cl. 73—51.)



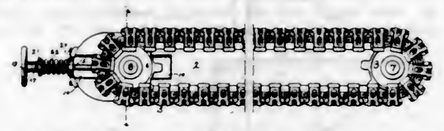
1. Drive-mechanism comprising: a rotary power-member; a jaw-chuck; positive coupling-members fixed, respectively, to the power-member and the jaw-chuck and loosely engageable and freely separable; and a spring tending to separate the coupling-members.

1,587,895. SUPERAIRSHIP. JOHN ENLOE BROYLES, Coco Solo, Canal Zone, assignor of one-half to H. E. Robertson and T. H. Weller, both of Russellville, Mo. Filed July 28, 1925. Serial No. 46,617. 4 Claims. (Cl. 244—6.)



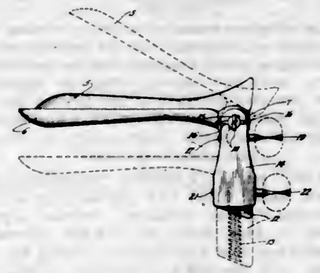
1. In a superairship construction, a hull, aero-dynamic lifting wings on the hull of hollow construction, tubes extending vertically through the wings, and dividing the wings into compartments, and lighter-than-air gas bags in the compartments.

1,587,896. TENTERING MACHINE. HARRY W. BUTTERWORTH, Jr., Philadelphia, Pa., assignor to H. W. Butterworth & Sons Company, a Corporation of Pennsylvania. Filed Mar. 28, 1923. Serial No. 628,189. 3 Claims. (Cl. 26—61.)



1. A longitudinal reciprocating frame member for a tentering machine having a longitudinal guideway at one end, combined with a horizontally rotating sprocket wheel and a vertical shaft therefor arranged at the other end of the said frame member, a separate sliding frame guided in the guideway of the longitudinal frame member and below the upper surface thereof, said sliding frame having an upright journal stud and lateral flanges guided in the guideway of the frame member to prevent downward movement therein while permitting longitudinal adjustment, a horizontally rotatable sprocket wheel loosely journaled upon the stud, an endless chain of horizontally movable cloth clamps moving in a horizontal plane and extending about the two sprocket wheels, and an adjustable spring tension device for the longitudinal frame member arranged at a lower level than the stud and sprocket wheel of the sliding frame and comprising a longitudinal screw shaft having one end threaded and in engagement with the sliding frame at a point below the stud and sprocket wheel thereof, a coil spring arranged about the screw shaft and directly between the end of the longitudinal frame member and other end of said shaft whereby the sliding frame together with the sprocket wheel and endless chain of cloth clamps may be maintained under adjusted yielding tension, and means for guiding the screw shaft on the end of the longitudinal frame at a point between its connection with the sliding frame and the coil spring.

1,587,897. SPECULUM. WILL J. CAMERON, Chicago, Ill. Filed July 27, 1925. Serial No. 46,298. 3 Claims. (Cl. 128—17.)

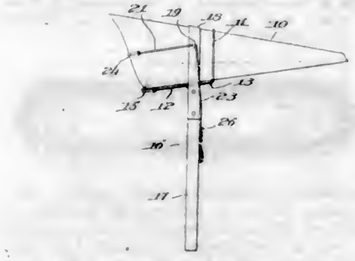


1. A speculum comprising a pair of concavo-convex blades each provided with a lateral arm, a stud projecting from the arm of the upper blade and having teeth upon its circumference, rack teeth upon the arm of the lower blade, a common support for said arms, a worm spindle rotatably mounted in said support and engaging the teeth of said stud, a toothed spindle rotatably mounted in said support and engaged with said rack teeth, and means for maintaining one of said arms in assembly with said support whereby the other arm is maintained against accidental displacement.

1,587,898. INSECT CATCHER. MATTHEW D. CAMPBELL, Roxbury, Mass. Filed May 29, 1925. Serial No. 33,808. 5 Claims. (Cl. 43—136.)

1. An insect catcher comprising a frame; a made up cone of heavy gummed paper having portions thereof

overlapping, said cone being held in shape by a retaining device comprising a girdle having a hook arranged to

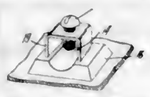


engage the overlapped portion of the cone at the mouth thereof; and flexible means arranged to secure said cone to said frame.

1,587,899. MOTOR FUEL. ROBERT A. CARROLL, West Finley, and HENRY L. ELLIOTT, Washington, Pa., assignors of one-third to James V. Elliott, Buffalo Township, Pa. Filed Jan. 31, 1920, Serial No. 355,354. Renewed Oct. 30, 1925. 6 Claims. (Cl. 44—9.)

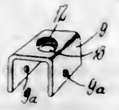
1. A blended motor fuel comprising aromatic hydrocarbon distillates substantially free from sulfur, and having boiling points not over 300° F., petroleum distillates having boiling points not over 300° F., a lower, readily volatile monohydric alcohol, a readily volatile terpene compound, naphthalene, and water, the last-mention four being together equal to not over about 7% of the entire mixture, such product being in the form of a homogeneous stable mixture.

1,587,900. PROCESS OF MAKING METAL CASTINGS. DOMINICK CORDINO, Plymouth, Mass.; Elmer L. Briggs executor of Dominick Cordino, deceased. Filed Aug. 1, 1924. Serial No. 729,499. 6 Claims. (Cl. 22—160.)



1. The hereinbefore described process of casting metals, consisting first of inserting into the pattern an empty chaplet having a screw threaded hole in the top, then forming the mold and thereby filling the chaplet with sand, then removing the pattern and pouring the metal, whereby the casting is provided with a lug having an opening through the same.

1,587,901. METAL CASTING. DOMINICK CORDINO, Plymouth, Mass.; Elmer L. Briggs executor of the will of Dominick Cordino, deceased. Original application filed Aug. 1, 1924, Serial No. 729,499. Divided and this application filed Apr. 10, 1925. Serial No. 22,080. 5 Claims. (Cl. 22—184.)



1. An article of manufacture consisting of a channel shaped chaplet for use in castings, having a screw threaded hole in its top.

1,587,902. SLUGPROOF VENDING MACHINE. EDGAR J. CRAWFORD, Seattle, Wash., assignor of four-sixths to Minnie Taylor and one-sixth to Frederick Wettrick, both of Seattle, Wash. Filed Apr. 9, 1923. Serial No. 630,803. 1 Claim. (Cl. 194—7.)

In a slug proof vending machine, a zig-zag chute with contact points arranged at the bends on one side of the chute, an oscillating plate arranged on the other side of the chute so as to support a coin in engagement with the contact points to close a circuit, a circuit for said oscillating plate and contacts, a solenoid in the circuit operating an ejector for ejecting change when the circuit is closed by the coin supported by the oscillating plate and one of the contacts, a second solenoid for operating the oscillating plate to release the coin and permit it to descend in the chute until stopped by the oscillating

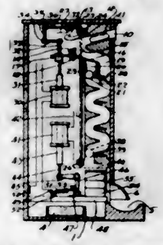
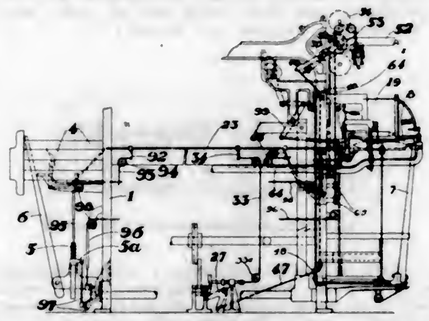


plate and a second contact, a circuit for the second solenoid, the second solenoid being operated when the circuit is closed by the operation of the change ejector, a third solenoid for operating an article ejector, a circuit for the third solenoid which is closed by the coin supported by the oscillating plate and the second contact, the article ejector when operated also closing the circuit for the second solenoid to operate the oscillating plate and release the coin from the second contact.

1,587,903. WEFT-REPLENISHING LOOM. RANDOLPH CROMPTON and GEORGE CROMPTON, Jr., Worcester, Mass. Filed Jan. 27, 1923. Serial No. 615,323. 4 Claims. (Cl. 139—232.)

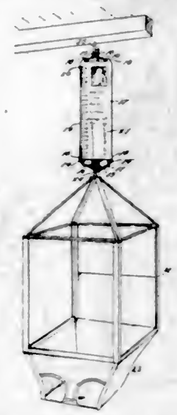


1. In a pick and pick weft replenishing loom, the combination with a lay, shifting shuttle boxes at each end of said lay, and a weft changing mechanism adjacent the shuttle boxes at one end of said lay, of an operating member adapted to render the weft changing mechanism operative to effect a change of weft upon the practical exhaustion of the weft in any of the shuttles, a box motion under the control of said operating member, and a shedding mechanism also under the control of said operating member, movement of said operating member to effect weft replenishment being adapted thereby to suspend said box motion and modify said shedding mechanism to prevent formation of a shed for one pick, the picking mechanism of the loom being actuated in normal sequence, thus immediately threading the replenished shuttle with new weft and weaving the goods according to the prearranged pattern.

1,587,904. BABY JUMPER. ISAAC O. DUNCAN, Nashville, Tenn. Filed Aug. 29, 1924. Serial No. 734,949. 2 Claims. (Cl. 265—63.)

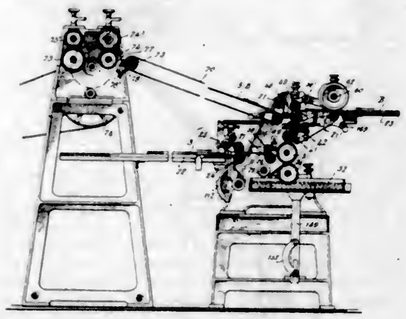
1. In a device of the character specified, a frame comprising similar members inversely disposed and slidably related, each of the members including a yoke having a

medial eye and parallel side rods terminating in lateral loops, the loops of one member engaging the rods of the companion member, a coil spring arranged between the rods of the members and engaged at its ends with the



eyes of the respective yokes, a plate covering a side of the frame and the spring and attached to one of the members and provided with scale graduations, and an indicator movable over the plate and carried by the other member.

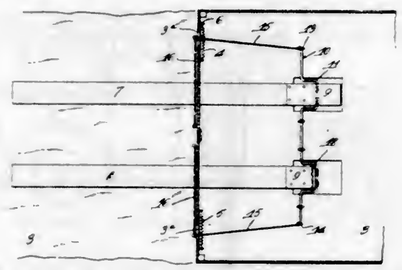
1,587,905. SHEET-MOUNTING MACHINE. MARTIN FEYBUSCH, New York, N. Y., and PAUL W. FLEISCHER, Weehawken, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Apr. 28, 1923. Serial No. 635,229. 19 Claims. (Cl. 216—9.)



1. A machine for mounting sheets on boards, comprising mechanism for coating a sheet with adhesive, mechanism for mounting said sheet on a board, continuously-operated mechanism for feeding said sheet to said coating mechanism, intermittently-operated mechanism for feeding said sheet to said continuously-operated feed mechanism, and means for interrupting the feeding operation of the last-named mechanism at a predetermined moment.

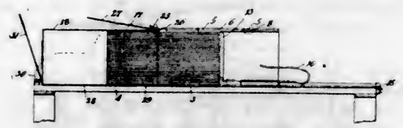
1,587,906. DOOR-OPENING MECHANISM. VERNA GARRISON, Norton, Kans. Filed Feb. 20, 1924. Serial No. 694,180. 1 Claim. (Cl. 268—35.)

A closure operator for buildings including boards defining a track and having their inner ends supported within the building, the ground surface under the boards being cut away throughout substantially the entire lengths of the boards, a crank shaft supported within the building, said boards having their inner ends resting on the cranks of the crank shaft, said crank shaft having upwardly extending end portions disposed at right angles to the cranks, rods connected with the upwardly extended end portions, said rods being inclined and having their outer ends arranged adjacent to the upper ends of closures for the building, rods connected with the first



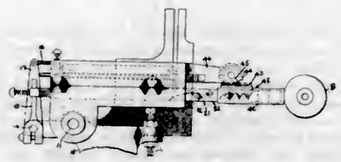
mentioned rods, and extending across the upper portions of the closures and connected with the closures at points adjacent to the free edges of the closures, and said rods adapted to exert a pull on the closures when the boards are depressed under the weight of a vehicle.

1,587,907. MEASURING AND PACKAGING DEVICE. ALEXANDER HERZ, New Rochelle, N. Y., and EUGENE CONTI, Jersey City, N. J.; said Eugene Conti assignor to said Alexander Herz, New Rochelle, N. Y. Filed Feb. 19, 1925. Serial No. 10,438. 6 Claims. (Cl. 226—14.)



1. A measuring and packaging device including an open end receptacle, means for supporting a container with the inner surfaces of its walls substantially in the plane of the inner surfaces of the walls of the container, and ejecting means movable through the receptacle.

1,587,908. WEFT DETECTOR FOR LOOMS. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 24, 1924. Serial No. 739,697. 10 Claims. (Cl. 139—284.)

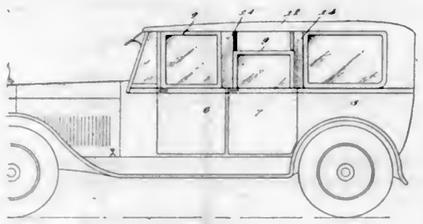


1. In a weft detector for looms, a detecting surface, a shield positioned to engage the yarn in advance of the detector, and connections between the detector and the shield to move the latter forwardly at a faster rate of speed than that at which the detector moves.

1,587,909. VEHICLE BODY. JAMES MADISON JACKSON, Parkersburg, W. Va. Filed June 24, 1924. Serial No. 722,062. 1 Claim. (Cl. 296—45.)

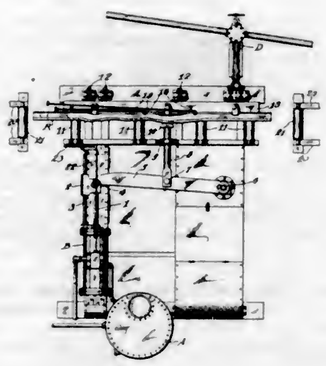
The combination with a vehicle body, of a top therefor, doors carried by the vehicle body and having pockets,

transparent sections slidable in said pockets, detachable posts arranged to receive and hold said transparent sections and disposed between the body and the top, spring-actuated bolts carried by the upper portions of said posts and adapted to engage said top, spring-actuated bolts carried by the lower portions of said posts and adapted to



engage the upper edge of said body, and co-acting face plates carried by the opposed edges of said posts and the body and having laterally extending curved terminal portions adapted to interlock and to co-operate with the second-named bolt in holding the lower portions of the posts in position and in airtight relation.

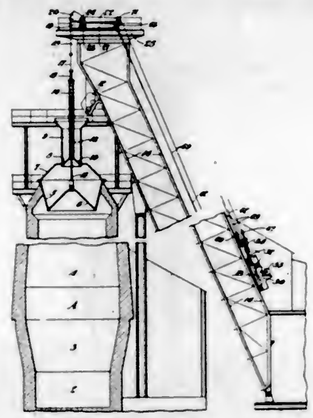
1,587,910. RAIL-STRAIGHTENING DEVICE. WILLIAM KEELY, Beaumont, Tex. Filed Aug. 11, 1922. Serial No. 581,086. 1 Claim. (Cl. 153—48.)



In a rail straightening device, the combination with a plunger and a fixed member of a slidable abutment adapted to contact with said fixed member, resilient members operatively arranged on said slidable abutment to force the same away from said fixed member and against the rail to be straightened, means for applying force to said plunger to operate it against a bent rail and means for permitting the rail to be forced beyond the normal straight line, the said last named means comprising spacing members and hand rods supporting said spacing members, the said rods being adapted for adjusting the spacing members one on each side of the bend which is to be straightened.

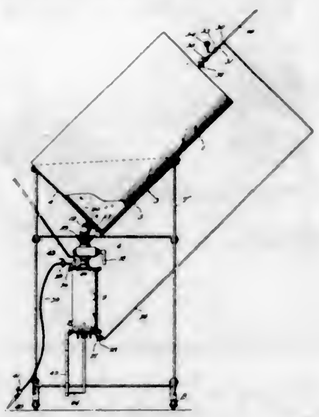
1,587,911. BELL-OPERATING MECHANISM. FRED E. KLING and REINHOLD C. KRAUSE, Youngstown, Ohio. Filed July 29, 1925. Serial No. 46,770. 9 Claims. (Cl. 214—36.)

1. In a blast furnace having at least one closing bell at its upper end, a guideway extending upwardly alongside said furnace, a carriage movable along said guideway, an operating lever for said bell, means connected to



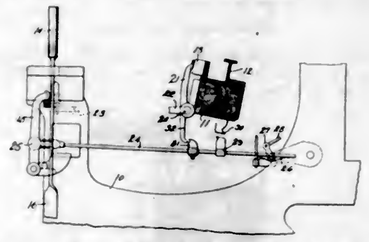
said lever and said carriage adapted to rock said lever to close said bell and to move said carriage upwardly along said guideway when said bell is closed.

1,587,912. LUBRICANT-DISPENSING APPARATUS. RUFUS A. LIPPS and OATHER D. HATCHETT, Danville, Ky., assignors to Danville Motor Company, Danville, Ky., a Corporation of Kentucky. Filed Feb. 16, 1925. Serial No. 9,585. 2 Claims. (Cl. 221—102.)



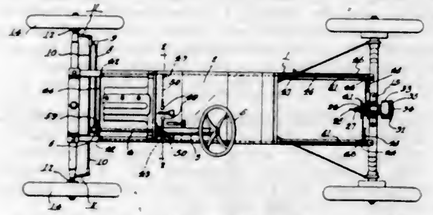
1. Lubricant dispensing apparatus comprising a lubricant reservoir, a dispensing cylinder, a piston working in the cylinder, a pipe establishing communication between the lower portion of the reservoir and the cylinder at one end thereof, a cut-off valve in said pipe, an outlet hose leading from the cylinder at the said end thereof, a connection for a supply pipe likewise at the said end of the cylinder, a valve for controlling the delivery of lubricant from the hose, a compressed air supply pipe communicating with the upper portion of the reservoir, a cut-off valve in the said pipe, a branch leading from the pipe and communicating with the cylinder at the other end thereof, a cut-off valve in the branch pipe, and a drain valve upon the cylinder near the last mentioned end thereof.

1,587,913. SMASH PREVENTER FOR LOOMS. JOHN LIVESEY, New Bedford, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 28, 1923. Serial No. 648,357. 1 Claim. (Cl. 139—343.)



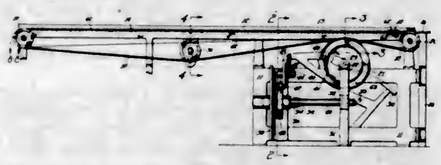
In a loom having a warp stop motion, a lay having shuttle boxes at its ends, a shipper, a knock-off lever therefor, a rod connected to said knock-off lever, a rocker connected to said warp stop motion and operable to raise the rear end of said rod, a lug on said rod, a device on said lay engaged by said lug when the latter is in raised position, whereby said rod is moved to stop the loom, a second lug on said rod, a protector rod on said lay co-operating with both running shuttle boxes, and an arm on said protector rod positioned to engage said second lug and stop the loom as the lay approaches back center if either box is occupied by a shuttle.

1,587,914. SIGNAL LIGHT FOR AUTOS. DOMINICK LIZZI, Pen Yan, N. Y. Filed July 18, 1924. Serial No. 726,791. 2 Claims. (Cl. 116—36.)



1. In a vehicle, the combination with the steering shaft and the steering arm, of a signal on the vehicle, a loop-shaped flexible element guided on the vehicle, means for connecting the flexible element with the signal to operate the signal in opposite directions, independent pedals movably mounted on the vehicle, branch lines connecting the pedals with opposite side portions of the flexible element, to operate the signal in opposite directions as aforesaid, means for guiding the branch lines intermediate their ends, and a compensating connection between the steering arm and the forward part of the loop-shaped flexible element.

1,587,915. CHECK FOR AXMINSTER-LOOM-NEEDLE MOTION. WILLIAM E. MCCLEARY, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1925. Serial No. 72,583. 8 Claims. (Cl. 139—123.)

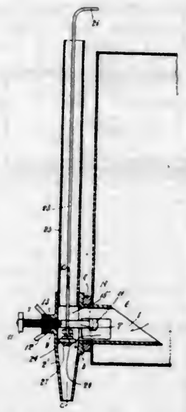


1. In a needle motion for Axminster looms, a needle having yarn inserting and withdrawing movements, a flexible actuating cable operatively connected to the needle, and a second auxiliary flexible member operatively connected to the needle throughout the yarn inserting movement of the latter to prevent said needle from having any irregular motion which would be permitted by slackness of the cable.

1,587,916. BUSHING REMOVER. MACKEY K. MALONE, Wills Point, Tex. Filed Mar. 21, 1925. Serial No. 17,298. 2 Claims. (Cl. 29—88.2.)

1. In a bushing remover, a main member having transverse brush-engaging shoulders, and an auxiliary member having a transverse brush-engaging shoulder, the auxiliary member housing one of the transverse shoulders of the main member and abutting against another of the transverse shoulders of the main member.

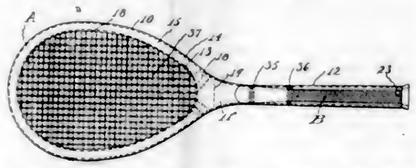
1,587,917. DEVICE FOR WITHDRAWING LIQUIDS FROM CONTAINERS. FRED MATTHEWS, Wellington, New Zealand. Filed Nov. 21, 1924, Serial No. 751,361, and in New Zealand Sept. 30, 1924. 3 Claims. (Cl. 221—23.)



1. In a device having a piercer point combined with a spout and flange, a rubber washer located on the underside of the flange, a cross member adapted to normally lie within the walls of the piercer but upon rotation to project cross-wise through openings in the piercer and engage beneath the metal of the container; said cross piece fixed upon the end of a vertical rod guided and adjustable vertically in said device, said rod passing to the exterior of the device where it is operable, said openings in the piercer point being so formed

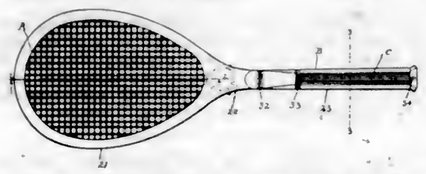
that when the rod is rotated in one direction said cross piece will be set clear of the walls of the piercer and when rotated in the opposite direction said cross piece will be projected beyond the walls of the piercer, substantially as described.

1,587,918. RACKET FRAME. CHARLES C. MORRISON, New York, N. Y., assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Feb. 25, 1921. Serial No. 447,679. 18 Claims. (Cl. 273—73.)



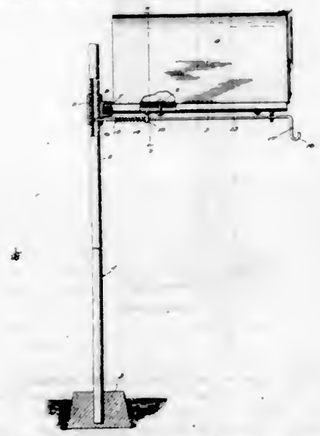
6. In combination, a racket; a weight adjustable thereon; and sound deadening means secured to the weight.

1,587,919. RACKET. CHARLES C. MORRISON, Sea Cliff, N. Y., assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Apr. 26, 1922. Serial No. 556,685. 18 Claims. (Cl. 273—73.)



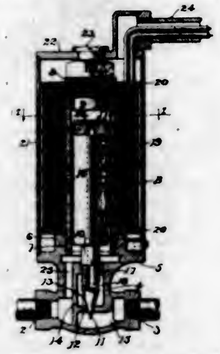
1. A racket having a hollow metal head of interlocking shell portions.

1,587,920. ADJUSTABLE MAIL-BOX SUPPORT. RALPH C. PIXLER, Luana, Iowa. Filed Apr. 8, 1925. Serial No. 21,640. 2 Claims. (Cl. 232—40.)



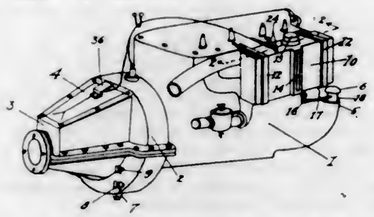
1. A support of the class described comprising an upright having vertically spaced sockets provided therein, a sleeve slidable upon said upright and provided with an opening adapted to register with the sockets of the upright, a threaded side extension carried by said sleeve, an arm having one end in threaded engagement with the threaded side extension of said sleeve, and a latch carried by said arm and extending through the opening in said sleeve and adapted to be removably fitted into a selected socket of said upright to releasably hold the sleeve in a desired position upon the upright and prevent rotation of said arm.

1,587,921. ELECTROMAGNETIC VALVE. WILLIAM R. RAY, San Francisco, Calif. Filed Jan. 28, 1924. Serial No. 688,954. 5 Claims. (Cl. 137—139.)



2. A valve of the character described, comprising a casing having an inlet and an outlet connection formed therein, a valve member adapted to open and close communication between the same, a solenoid magnet supported by the casing and having a movable core member mounted therein, a connection formed between the valve and the core, and means for circulating fluid through the core in one direction and around the core in the opposite direction when the valve is opened.

1,587,922. LUBRICATING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JAMES E. W. ROSSON, Hopkinsville, Ky., assignor, by mesne assignments, to Gish Company, Inc., Louisville, Ky., a Corporation of Kentucky. Filed Oct. 23, 1924. Serial No. 745,486. 7 Claims. (Cl. 184—103.)

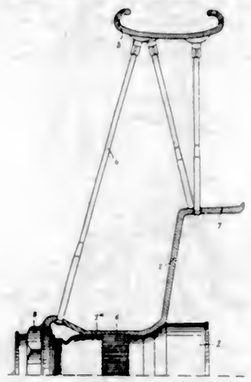


1. In a lubricating device of the character specified, the combination with a receptacle in the engine casing for holding the lubricant and a rotating member to distribute the lubricant throughout the casing, of an oil supply reservoir for supplying lubricant to the casing, a valve in the oil supply line normally closed, and an electro-magnet adapted when energized to open said valve and means actuated upon the failure of the oil distribution to close the current when the oil distribution ceases.

1,587,923. WHEEL FOR MOTOR VEHICLES. LOUIS ROUANET, Ivry-Port, France, assignor to The Compagnie d'Applicatioffs Mecaniques, Paris, France. Filed Apr. 11, 1922, Serial No. 551,679, and in France May 7, 1921. 1 Claim. (Cl. 301—9.)

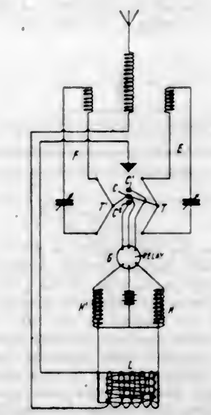
In a removable wheel for motor cars mounted on an internal permanent hub secured to the axle of the

vehicle, a hub for said wheel pressed from a sheet of metal in a single piece and comprising all together a brake drum, a sleeve of great length adapted to center the wheel on the permanent hub and provided with means for driving said wheel by said permanent hub, a flange



connecting said sleeve to said brake drum and two conical bearing surfaces at both ends of said sleeve adapted to be held against two corresponding bearing surfaces provided respectively on said permanent hub and on a terminal nut screwed on said permanent hub.

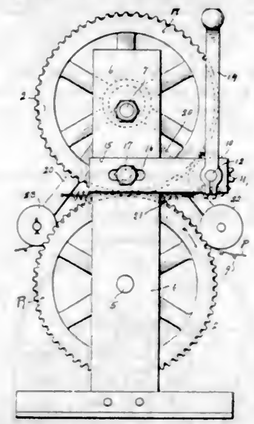
1,587,924. WIRELESS SIGNALING SYSTEM. HENRY J. ROUND, London, and ARCHIBALD MCLELLAN, Swansea, England, assignors to Radio Corporation of America, a Corporation of Delaware. Original application filed Mar. 30, 1921, Serial No. 457,152, and in Great Britain Apr. 8, 1920, Patent No. 1,517,654, dated Dec. 2, 1924. Divided and this application filed Apr. 23, 1924. Serial No. 708,362. 7 Claims. (Cl. 250—40.)



1. In wireless signaling system, the combination of an antenna, a variable tuning element associated therewith the means responsive to currents energizing said antenna for maintaining the tuning thereof substantially constant by means of said element.

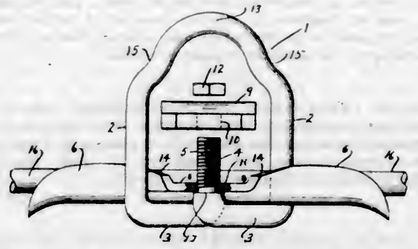
1,587,925. METAL-STRAIGHTENING APPARATUS. WILLIAM R. SMITH, Topeka, Kans. Filed May 29, 1924. Serial No. 716,780. 3 Claims. (Cl. 153—54.)

1. An apparatus for flattening out embossed printing plates pivotally connected to provide a chain like strip comprising two rolls, means for supporting the same in close proximity one to the other whereby the peripheries are substantially in contact, intermeshing gears carried by adjacent ends of the rolls, a rotating medium coacting with one of the rolls, each of said rolls adjacent to the gear being provided thereabout with a circumfer-



entially disposed groove whereby the working periphery of the roll is spaced from the gear, the working periphery of one of the rolls being provided with transversely disposed and circumferentially spaced channels to receive the hinged connections between adjacent plates.

1,587,926. SUSPENSION CLAMP. HERBERT MUNRO TAYLOR, Toronto, Ontario, Canada. Filed Oct. 15, 1924, Serial No. 743,814, and in Canada Oct. 2, 1924. 2 Claims. (Cl. 248—31.)

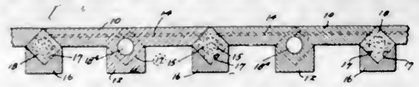


2. A suspension clamp for a line cable comprising, a suspension stirrup open at its lower end, the lower ends of the legs of the stirrup bent inwardly and upwardly to form spaced apart hook portions, a cable supporting element consisting of a plate formed with a seat upon which the cable is adapted to rest, said supporting element detachably mounted within the stirrup and supported by the hook portions and provided with openings through which the upwardly bent ends of the stirrup extend, upwardly disposed shoulders formed on the upwardly bent ends of the stirrup in spaced relation from the extremities thereof and engaging the under face of the cable supporting element, said upwardly bent ends threaded, a detachable keeper engaging the upper face of the cable and provided with openings through which said threaded ends project, and nuts having threaded engagement upon the threaded extremities of the stirrup.

1,587,927. CONCRETE BLOCK AND WALL CONSTRUCTION. JOHN TEEGE, Bagby, Calif. Filed Dec. 22, 1924. Serial No. 757,506. 2 Claims. (Cl. 72—30.)

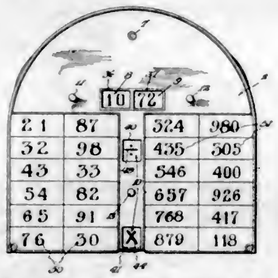
1. A wall comprising blocks having projections, the projections of certain blocks adapted to coincide vertically with the projections of other of the blocks while

spaced apart therefrom, and units serving as fillers for the spaces between the correlated projections, the ends of each block being mitered so that the ends of adjacent



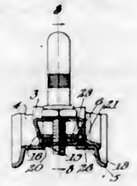
horizontal blocks define V spaces, and said filling units each having a pair of mitered edges mutually defining with said V spaces a squared vertical cavity for the reception of plastic material.

1,587,928. EDUCATIONAL CHART. RAY S. THOMPSON, Hancock, Minn. Filed Sept. 29, 1924. Serial No. 740,557. 2 Claims. (Cl. 35—2.)



1. An educational device comprising a plate, discs mounted on the plate, certain discs bearing numbers and another disc bearing arithmetical symbols, and a cover plate having an opening for each of the number bearing discs to expose a number thereof, and having two openings for the symbol bearing disc to simultaneously expose two symbols at diametrically opposite points, and having two sets of numbers, a selected number of either set being adapted to be treated by the exposed disc number according to the selected exposed symbols.

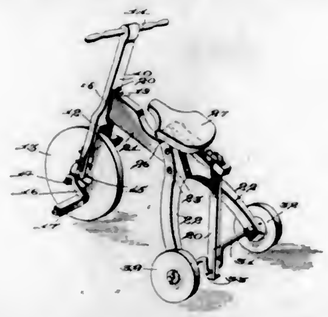
1,587,929. FELLY AND RIM FOR WHEELS. IRA D. WALTER, Harrisburg, Ark., assignor of one-fourth to Josiah Brinkerhoff and one-fourth to Charles R. French, both of Harrisburg, Ark. Filed Jan. 17, 1924. Serial No. 686,751. 7 Claims. (Cl. 301—27.)



1. A felly of channel form comprising a web and sides, a rim for cooperation with said felly, one of the sides of said felly providing a support for said rim and the other side providing a support and a stop for said rim, a locking ring mounted and enclosed within said felly and in contact with the first mentioned side thereof and provided with lugs, means defining slots in said rim for cooperation with said lugs to retain said rim on said felly, and means for withdrawing said lugs from said slots to permit removal of said rim from said felly.

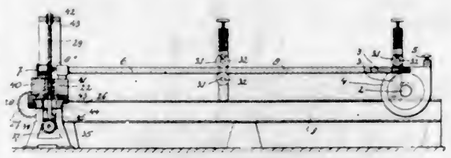
1,587,930. CHILD'S VEHICLE. PETER P. WETZEL, Waynesboro, Va. Filed Jan. 7, 1926. Serial No. 79,838. 1 Claim. (Cl. 208—113.)

A child's vehicle comprising a steering post having an upper handle and lower wheel forks, a ground wheel journalled in said forks and having side cranks and foot pedals, a frame bar pivotally connected at its forward end to said steering post intermediate the ends of the latter, said frame bar being rigid throughout its length and inclined rearwardly and downwardly from the steering post, a pair of downwardly and rearwardly inclined and divergent legs rigidly secured to the rear portion of said frame bar at opposite sides of the latter and leaving their upper ends projecting freely above the said frame



bar, a rearwardly projecting arm having its forward end between and pivotally connected to the said upper free ends of said legs, a seat rigidly secured to the forward portion of said arm, an axle journalled through the lower rear ends of the legs and having a crank centrally therebetween, wheels secured upon the ends of said axle, and a connecting rod in pivotal connection with the crank and with the rear end of said seat arm.

1,587,931. TUBE-BENDING MACHINE. CORNELIS THEODORUS WOLDERS, Middelburg, Netherlands. Filed Nov. 16, 1925, Serial No. 69,446, and in Netherlands Oct. 11, 1923. 4 Claims. (Cl. 153—40.)

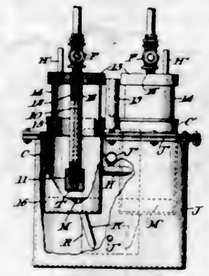


1. In a machine for bending tubes when cold, in combination, a rotatable clamping block, means for clamping one end of the tube to be bent to the periphery of said clamping block, means for positively rotating said clamping block, a core for supporting the tube to be bent, a sleeve mounted upon one end of said core so as to be freely rotatable thereon and provided with openings, rollers mounted within openings in said sleeve, a spindle extending centrally through said core and adapted to support said rollers and means for positively rotating said spindle.

1,587,932. SPARK-GAP APPARATUS. GLEN D. BAGLEY, Flushing, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed Dec. 4, 1922. Serial No. 604,832. 19 Claims. (Cl. 250—38.)

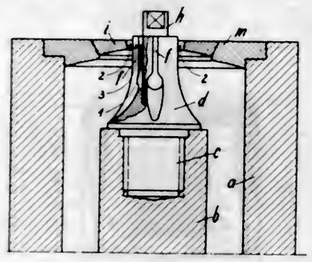
1. Spark gap apparatus adapted for use in producing an oscillatory discharge, comprising the combination of a mercury electrode, a massive electrode of good heat and electricity conducting metal having an operating tip of refractory metal continuously cooperative with such mercury electrode during the operation of the apparatus.

said electrode having a cavity for cooling fluid and means coupled to said cavity for circulating cooling fluid



therethrough and means for adjusting said mercury electrode and the other electrode relatively to one another to vary the length of the gap therebetween.

1,587,933. PROCESS AND APPARATUS FOR THE PRODUCTION OF DOUBLE-WALLED TUBES. FRIEDRICH BARME, Elberfeld, Germany. Filed Sept. 15, 1924. Serial No. 737,948, and in Germany Aug. 27, 1923. 3 Claims. (Cl. 207—2.)



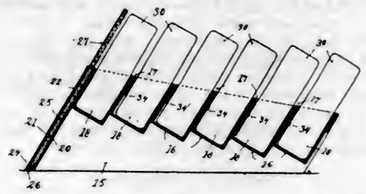
1. A press mold embodying a container, a hollow member therein having separated passages and radial slots.

1,587,934. FUNNEL ATTACHMENT FOR PAILS. GAIL M. BARTLETT, Detroit, Mich. Filed Nov. 11, 1925. Serial No. 68,426. 2 Claims. (Cl. 226—31.)

1. A detachable spout for use in connection with pails, buckets and the like, comprising a segmental body having a rolled lower edge, a reinforcing wire extending through and beyond said rolled lower edge, the ends of said wire terminating in upwardly extending rearwardly projecting hooks adapted to overhang the upper edge of a pail, and a discharge spout portion secured to said rim.

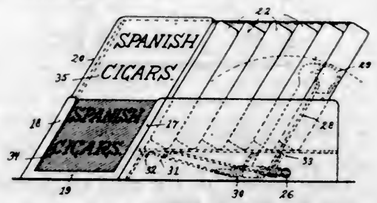
1,587,935. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 17, 1923. Serial No. 657,959. 3 Claims. (Cl. 211—28.)

1. A display and advertising apparatus comprising a supporting frame having a series of pockets in a row one in rear of another whereby a plurality of packages to be vended may be supported to present and utilize the advertising matter upon the front of the packages



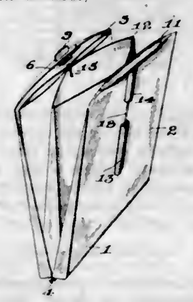
for display purposes, and a transparent plate mounted detachably upon the front of said supporting frame.

1,587,936. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 13, 1923. Serial No. 662,499. 4 Claims. (Cl. 211—24.)



1. A display and vending apparatus comprising a main frame provided with a compartment adapted to support therein in series arrangement a plurality of packages to be vended, said compartment being open at the top and having side walls and one end wall, a plate detachably mounted in guides upon said end wall and having a transparent section extending above said end wall to form a support for the upper portions of said packages and through which advertising matter upon said packages is exposed to view, and a resiliently actuated member movable toward said end wall and adapted to resiliently compress a series of packages to be vended together and between said resiliently actuated member and said end wall and advertising plate, said packages being adapted to be successively detached without disturbing the resilient tension upon the remaining packages or the advertising display through the transparent section of said plate.

1,587,937. SPUTUM-CUP HOLDER. DANIEL R. BULLA, Sophia, N. C. Filed Apr. 9, 1926. Serial No. 100,853. 5 Claims. (Cl. 4—259.)

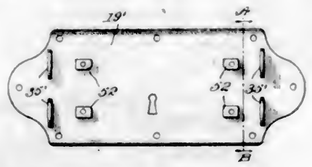


1. A cup holder including two hinged sections, a clip secured to one of said sections for engaging an edge of a cup, and a clip movably mounted on the other section and adapted to be moved to engage another edge of said cup.

1,587,938. COMPOSITION FOR THE MAKING OF HYGIENIC, NONSLIPPING, AND NONSONOROUS FLOORINGS. LEON LOUIS CAILLOUX and LOUIS CAILLOUX, Montreal, Quebec, Canada. Filed Nov. 28, 1924. Serial No. 752,755. 2 Claims. (Cl. 106—29.)

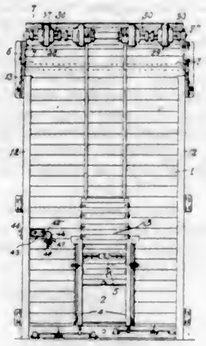
1. A new composition of matter comprising 1/2 to 1-1/2 parts asbestos fibres, 3 to 7 parts cork, 1 part calcined magnesite, 1-1/3 parts magnesium chloride at 18° Bé., 1/20 to 1/10 part talcum, and 1/60 to 1/30 part barium chloride solution containing 35 parts of crystallized barium chloride in 100 parts water.

1,587,939. BOLT FOR CORRUGATED DOORS. MANUEL BRETOS Y CLAVERIA, Santiago, Cuba. Filed July 31, 1922. Serial No. 578,825. 5 Claims. (Cl. 70—74.)



1. A sliding corrugated door, a guide having a channel to receive one edge of the door, securing means for the door, mounted in one of the corrugations thereof, and a keeper mounted on said guide and arranged to coact with said securing means.

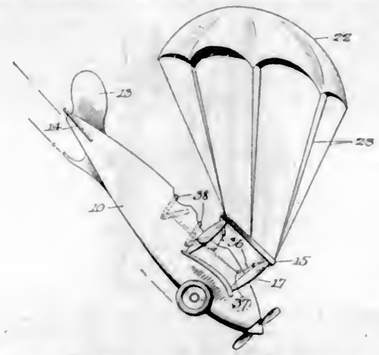
1,587,940. FOLDING DOOR. MANUEL BRETOS Y CLAVERIA, Santiago, Cuba. Filed July 13, 1923, Serial No. 651,408, and in Cuba June 6, 1923. 2 Claims. (Cl. 189—57.)



1. In combination, a pair of vertical guide rails, a transverse top beam connected thereto, spacing blocks secured to the rails, a connecting plate secured to each spacing block, brackets having a slot and bolt connection with the connecting plates, support collars horizontally and vertically adjustably connected to the brackets, and a drum axle carried by the collars.

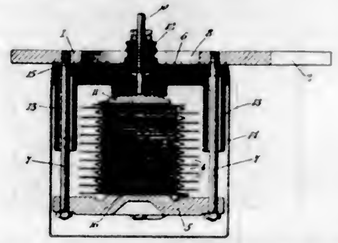
1,587,941. PARACHUTE ATTACHMENT FOR AEROPLANES. FLORENCE N. DOTY, Los Angeles, Calif. Filed Jan. 7, 1926. Serial No. 79,766. 5 Claims. (Cl. 244—21.)

1. In an aeroplane, a fuselage, an open frame constituting a portion of the sustaining plane, secured to the fuselage, a combined plane cover and parachute element adapted to be folded upon the frame, attaching cables permanently securing the element to the open



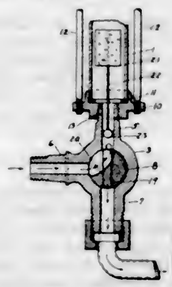
frame, holding cable or cables passed over the folded element, a retaining cable engaging the holding cable or cables, and means to cut the retaining cable.

1,587,942. CONDENSER STRUCTURE. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, a Corporation of Delaware. Filed Mar. 7, 1919. Serial No. 281,182. 19 Claims. (Cl. 250—41.)



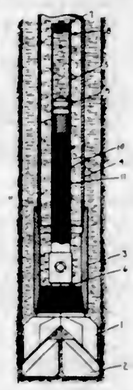
8. A condenser comprising a metallic base member, an insulated block disposed on one side thereof, and a condenser stack mounted upon one side of said block, an annular shell enclosing said stack and having an open end receiving said block, the periphery of the block being reduced adjacent said member, the rim of the shell being bent to engage the reduced periphery of the block, the base and the shell being secured to said block.

1,587,943. GASOLINE-RESERVE GAUGE. JOSEPH E. FISHER, Springwells, Mich. Filed Sept. 21, 1925. Serial No. 57,565. 4 Claims. (Cl. 158—46.5.)



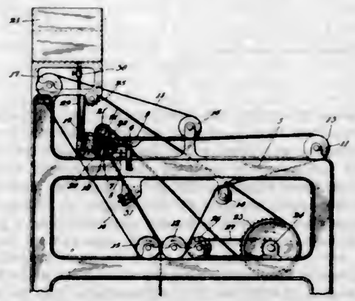
1. A gasoline reserve gauge comprising a gauge tube having a floating valve mounted therein, a three way plug valve connected to the bottom end of said gauge tube and opening therein, means for connecting said plug valve in a gasoline supply pipe, and means for regulating the flow of gasoline through said plug valve by the action of the floating valve within the gauge tube.

1,587,944. LUBRICANT COMPOSITION FOR THE BEARINGS OF THE CUTTERS ON A ROLLER EARTH-BORING DRILL. HAROLD W. FLETCHER, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Jan. 25, 1921. Serial No. 439,738. 1 Claim. (Cl. 87—9.)



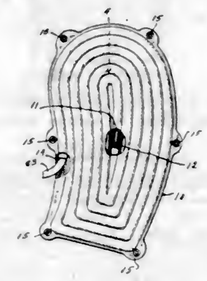
A lubricant for the bearings of the cutters on a roller earth-boring drill in which a muddy fluid is used in forcing the same to the bearings, consisting of a mixture of heavy grade lubricant with a heavy pulverized mineral substance in quantities sufficient to raise the specific gravity above that of said muddy fluid.

1,587,945. FUR-DYEING APPARATUS. WILLIAM GERRATH, East Orange, N. J. Filed Dec. 27, 1923. Serial No. 682,866. 9 Claims. (Cl. 8—19.)



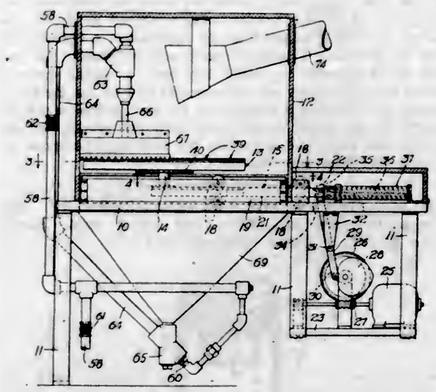
5. In a fur-dyeing apparatus, a support having adjacent angularly disposed surfaces, an endless apron movable over said surfaces of the support, endless cords movable at the same speed as said apron and having portions thereof closely positioned in parallel relation with the apron to hold the fur upon the latter as it moves over said support, a brush rotatably mounted adjacent to one of said surfaces to lift the hairs on the fur skin, a dye applying brush mounted adjacent to the other surface to apply the dye liquid to the individual fur hairs, and means for rotating the latter brush in the direction of movement of the fur and at a relatively higher speed and for rotating the first named brush in the opposite direction.

1,587,946. RECOIL PAD. WILEY G. GIBSON, El Paso, Tex. Filed Oct. 31, 1923. Serial No. 671,983. 1 Claim. (Cl. 2—2.)



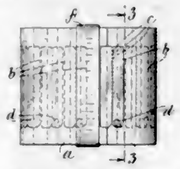
A recoil pad comprising a flat rubber section having a continuous air passage therein, one end of the passage being in communication with an inflating valve, and layers of fabric arranged upon opposite faces of the flat rubber section and of greater size than the flat rubber section, said fabric layers being vulcanized to the flat rubber layers, the air passage being in the form of a coil, opposite faces of the section having grooves therein between adjacent turns of the coil, said fabric layers extending into said grooves, the outer edges of said fabric layers being secured to one another and about the outer edges of the section, said fabric layers being free from connections to one another intermediate said outer edges.

1,587,947. ABRADING MACHINE. JAMES T. GRIFFIN, Oak Park, and CARL A. NELSON, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,217. 10 Claims. (Cl. 51—15.)



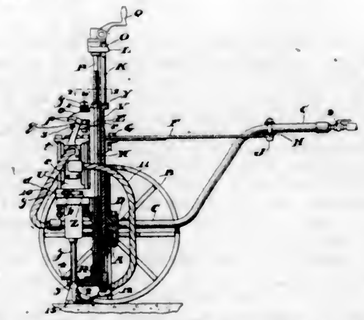
1. In a sand blasting apparatus, a work carrier for holding an article to be sand blasted, means for directing a sand blasting medium on the article when in a predetermined position, means for rotating said carrier to bring said article into said predetermined position, and means for effecting relative redial movement between said carrier and said first recited means while said article is in said position and during its subjection to said sand blasting medium.

1,587,948. POWDER PUFF. RAOUL E. HANKAR, Brooklyn, N. Y. Filed May 29, 1925. Serial No. 33,611. 5 Claims. (Cl. 132—78.5.)



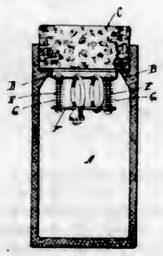
1. A powder puff comprising a plurality of superimposed loops and means to secure, removably, the ends of the loops.

1,587,949. ROAD-SURFACING MACHINE. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 10, 1925. Serial No. 42,644. 2 Claims. (Cl. 262—13.)



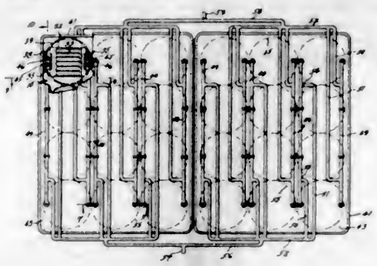
1. A road surfacing machine comprising a pair of wheels, an axle for the wheels, a pair of handle bars clamped to the axle for guiding the machine, a fluid actuated percussive tool having a handle, an implement to receive the hammer blows of the tool, a shell clamped to the axle, means for preventing relative movement between the shell and handle bars, a hinged guide at one end of the shell for guiding the implement, a cradle slidable in the shell, a hinged clamp secured fixedly on one end of the cradle to guide the tool, a spring pressed clamp secured fixedly on the opposite end of the cradle to engage the handle for supporting the tool, a feed screw rotatable in the shell cooperating with the cradle for adjusting the tool, and a handle for rotating the screw to actuate the cradle in the shell.

1,587,950. DEVICE FOR CLEANING JEWELRY. EDWARD D. HAHE, Erie, Pa. Filed Oct. 3, 1925. Serial No. 60,277. 1 Claim. (Cl. 141—1.)



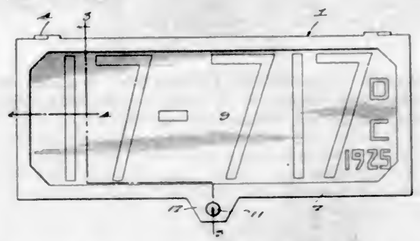
A receptacle, an annular shoulder within said receptacle, a transverse bar resting upon said shoulder, downwardly extending spaced posts secured in said bar, a transverse bar slidably mounted on said posts, heads on said posts to prevent said last mentioned bar from falling off of said posts, springs on said posts between said transverse bars, and a cork to close said receptacle and maintain said first mentioned bar down upon said shoulder.

1,587,951. STORAGE BATTERY. NEWTON HARRISON, Milford, Conn. Filed Feb. 14, 1923. Serial No. 618,904. 8 Claims. (Cl. 136—134.)



6. A storage battery cell comprising a plurality of electrical units in a common electrolyte, each unit being a complete electrical entity comprising a plurality of substantially horizontally arranged vertically spaced positive and negative plates adapted to hold active material, upright conducting posts connecting the positive and negative plates respectively, and a plurality of conducting leads connected to each post intermediate the ends thereof and at vertically spaced positions to give substantially uniform current distribution to the respective plates.

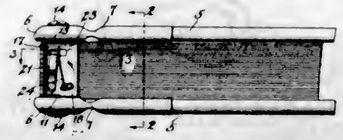
1,587,952. LICENSE-PLATE HOLDER AND PROTECTOR. CHRISTIAN W. HARTMAN, South River, N. J. Filed Jan. 28, 1925. Serial No. 5,276. 1' Claim. (Cl. 40—125.)



A license plate holder comprising a casing including complementary front and rear sections, each section provided with an extension at its lower edge intermediately disposed thereof, said sections and extensions provided with continuous marginal flanges, means for hinging together the upper portions of the flanges, said front section having an opening to display the indicia on a license plate housed in the casing, spring elements in the casing to prevent rattling of the license plate therein, and locking means associated with the extensions and adapted to be housed thereby so that the sections may be locked together in a close position to prevent unauthorized removal of the license plate.

1,587,953. LOOSE-LEAF BINDER. JEFFERSON A. G. HARTON, Brooklyn, N. Y., assignor to Boorum & Pease Company, Brooklyn, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,634. 4 Claims. (Cl. 129—8.)

1. In a loose-leaf binder, complemental binder sections each having an attaching flange and a back flange, one of said sections being further provided with end flanges and channeled portions connecting the end flanges with the back flange, the other of said sections having ribs at the ends of its back flange to telescopically engage in said channels and keeper flanges projecting

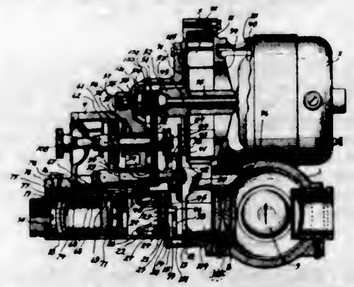


laterally from said ribs, latch means on the end flanges of the first-named section to engage said keeper flanges and lock the sections in assembled relation, and leaf-holding posts fixed to the attaching flange of each section.

1,587,954. STENCIL SHEET. SHINJIRO HORII, Tokyo, Japan. Filed June 27, 1925. Serial No. 40,105. 10 Claims. (Cl. 41—38.6.)

1. A stencil sheet comprising a base of fibrous material impregnated with a composition including an ester of polysaccharides, and naphthenic acid glycerides.

1,587,955. MOTION-PICTURE-PROJECTING MACHINE AND THE LIKE. ALBERT S. HOWELL, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1922. Serial No. 572,170. 19 Claims. (Cl. 88—17.)



2. A motion picture projecting machine including a lamp chamber, an apertured film feed guide in front of the lamp chamber wherein a film is subjected to the light, an electric motor disposed alongside the lamp chamber with its shaft normal to the plane of a film in the guide and extending forwardly, an air chamber between the lamp chamber and guide and communicating with the lamp chamber and aperture of the guide and extending around the motor shaft, an air impeller wheel in the air chamber and secured to the motor shaft for maintaining a current of air through the lamp chamber and on the film at the aperture of the guide, film operating mechanism and a light shutter disposed in front of the air chamber, and a driving pinion on the motor shaft in front of the impeller wheel for driving the film feeding mechanism and shutter from the motor.

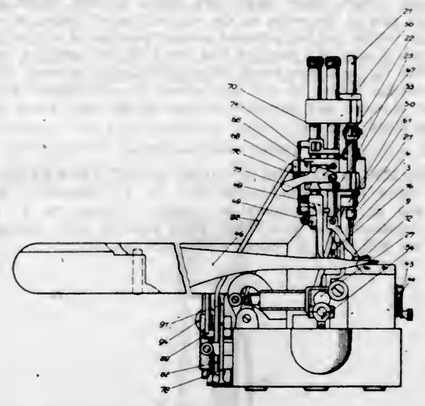
12. A motion picture projecting machine including a main structure, a pair of arms pivotally mounted on the main structure for movement from projecting positions to positions adjacent the main structure, film reel shafts mounted on respective arms, means for driving said shafts from the main structure when the arms are in projecting positions, and a support arm pivotally mounted on the main structure for movement from a supporting position projecting from the main structure to a position adjacent thereto.

18. A motion picture machine including a lamp chamber, an apertured film guide wherein the film is subjected to the light, an air chamber between the lamp chamber and guide and communicating with the lamp chamber and guide, means for forcing a current of air into the air chamber, and an air passage having an inlet adjacent the aperture for conducting air therefrom and communicating with the lamp chamber.

1,587,956. AUTOMOBILE RADIATOR ATTACHMENT. JOSEPH HROMAS, Ansley, Nebr. Filed May 1, 1925. Serial No. 27,334. 1 Claim. (Cl. 220—86.)

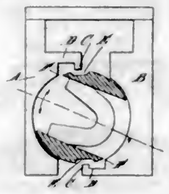
As a new article of manufacture, a combination radiator ornament and water filling device comprising an elongated substantially rectangular water receiving pan provided in its bottom with a central opening for reception of the upper end of a radiator neck, a substantially pyramidal casing surrounding said pan and conforming in shape thereto for concealing the latter, the vertex portion of the casing being truncated, the lower end of the side walls of the casing being shaped to conform to the shell of a radiator and being provided with attaching means, the upper edge of said casing terminating on a plane with the edge of the rim of said pan, a cover hingedly connected to said casing and adapted to overlie the truncated portion of the casing and said pan, said cover being substantially flat and formed with a central depression.

1,587,957. MACHINE FOR SEWING TOGETHER AND COVERING THE EDGES OF KNITTED OR WOVEN FABRICS. GUSTAV HUBER, Stuttgart, Germany. Filed Aug. 25, 1920, Serial No. 405,927, and in Germany Apr. 9, 1920. 18 Claims. (Cl. 112—63.)



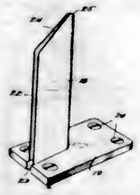
16. The combination with a sewing mechanism for uniting two pieces of fabric, of a second sewing mechanism for producing in the same operation an overseam to cover the uniting seam, presser-feet cooperating with said sewing mechanisms, spring thread tensions, a curved arm for said second sewing mechanism adapted to receive sewed together pieces of fabric of tubular shape, said arm having a movable forward end portion, a means for swinging said movable forward end portion out of operative position, and means actuated by said means for lifting off all the said presser feet and at the same time releasing all spring tensions.

1,587,958. IGNITION MAGNETO. JAMES COCHRANE HUTTON, Birmingham, and HAROLD ERNEST WHITEHOUSE, Coventry, England, assignors to The British Lighting and Ignition Company Limited, B. L. I. C. Works, Aston, Birmingham, England. Filed Nov. 25, 1924, Serial No. 752,151, and in Great Britain Feb. 15, 1924. 4 Claims. (Cl. 171—209.)



1. An ignition magneto of the type hereinbefore referred to comprising a rotary member and a stationary member, each of the pole shoes of one of the aforesaid members being provided with an extension piece or tip connected therewith by a bridge member of low magnetic reluctance so that the said extension piece is separated from the main body of the pole shoe by a recess, and each of the corresponding pole shoes of the other member having a recess or slot therein separating the main body of the pole shoe from the end of the tip-like portion thereof, the total circumferential length (measured in the plane of rotation) of the extension piece and recess of each pole shoe of one member being substantially equal to that of the recess and tip of each pole shoe of the corresponding member, and the extension piece and recess of each pole shoe of one member being so located with regard to the recess and tip of each pole shoe of the corresponding member that for the advanced timing position of the rotor the extension pieces of the pole shoes of one member lie opposite the recesses or slots of the pole shoes of the other member and are separated therefrom in a radial direction by a comparatively large air gap when the flux break occurs, there being two points of flux break on each side of the rotor in the said advanced timing position, whilst for the retarded timing position of the rotor there is only one point of flux break on each side of the rotor, the said flux break then taking place between the extension pieces of the pole shoes of one member and the opposite end portions or tips of the pole shoes of the other member.

1,587,959. TOOL FOR FOLDING SHIRT NECKBANDS. NIELS W. JENSEN, North Troy, N. Y., assignor to S. and R. Folding Machine Company, Cohoes, N. Y., a Corporation of New York. Filed Feb. 20, 1923. Serial No. 620,152. 2 Claims. (Cl. 223—15.)

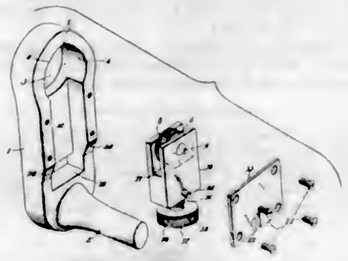


1. A tool for folding shirt neck bands comprising a shaping horn having an elongated body, the sides whereof form an edge opening channel; and means for mounting said horn in stationary service position, said means embodying a base plate rigidly connected with said horn and having an edge opening slot therein conforming with the channel in said horn.

1,587,960. TEETHING RING. HANS G. JORGENSEN, Erie, Pa. Filed Apr. 25, 1923. Serial No. 634,497. 1 Claim. (Cl. 128—359.)

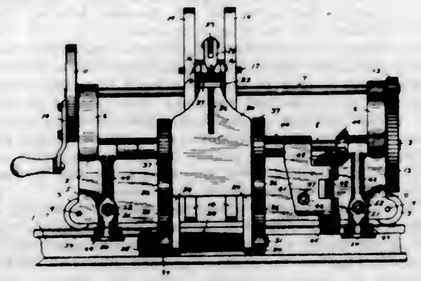
A teething device formed of soft rubber, comprising a hollow annular portion, and a hollow flat extension integral with, and merging into said annular portion.

1,587,961. SAFETY LATHE DOG. JOHN D. KARLE, Roselle Park, N. J. Filed July 3, 1924. Serial No. 723,983. 4 Claims. (Cl. 82—42.)



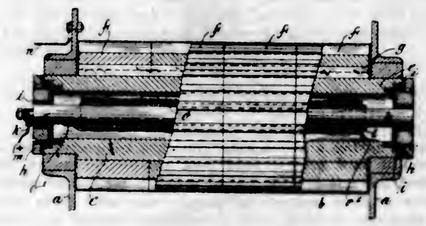
1. A safety lathe-dog including a body having a work receiving aperture, an eccentrically-journaled peripherally-circular friction-cam disposed upon said body for complete rotation in opposite directions and projecting within said aperture to grip work by relative rotation between the work and lathe-dog in either of two opposite directions, and manually adjustable means for shifting the axis of rotation of said cam to predetermine its degree of projection within said aperture.

1,587,962. RAIL SHAPER. CHARLES E. KIELLEY, Superior, Wis., assignor of twenty-five and one-half per cent to John L. McMahon, Milwaukee, Wis., and twenty-five and one-half per cent to Fred O. Brandt, St. Paul, Minn. Filed Feb. 21, 1925. Serial No. 10,835. 2 Claims. (Cl. 29—33.)



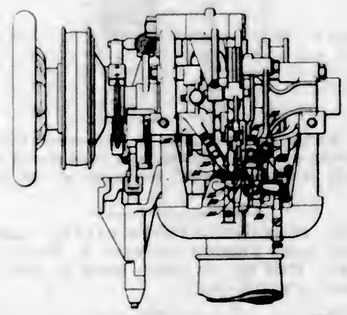
1. The combination with a rail shaper of the character described having means for initially uniformly sizing the bulb of the rail, an elongated tap engageable with the rail upon either side thereof for forming notches in the lower outer corner of the bulb of the rail, and means cooperatively connected with the taps and engageable within the notches formed by same for feeding the shaper.

1,587,963. ROLL FOR MAKING CORRUGATED PAPER. PAUL KNOPF, New York, N. Y. Filed July 24, 1920, Serial No. 398,727. Renewed Nov. 7, 1925. 1 Claim. (Cl. 219—37.)



In combination with a corrugated roll for a corrugated paper machine comprising a hollow body member, corrugated sleeve sections removably and adjustably secured to the body member, a spindle extending through the body member but insulated therefrom and supported by caps removably secured to the ends of the body member, of a resistance coil rigidly mounted on said spindle, means to insulate the resistance coil from said spindle, means to connect one terminal of said coil with said spindle, means to connect the other terminal of said coil with the hollow body member, an electrical conductor secured to the frame and a second electrical conductor in frictional contact with the spindle.

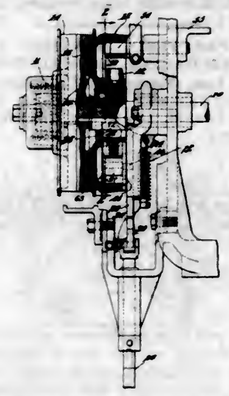
1,587,964. THREAD-FASTENING MACHINE. FRED N. LA CHAPELLE, Beverly, MASS., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 20, 1919. Serial No. 346,400. 8 Claims. (Cl. 112—32.)



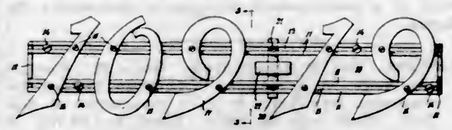
1. A thread handling machine comprising a needle, means for actuating the needle to pass two loops of thread through the work from the same side, a thread finger for engaging the first loop of thread and passing it through the second upon the opposite side of the work, and a member for engaging behind the first loop of thread when the finger is in an advanced position to prevent withdrawal of the loop with the thread finger.

1,587,965. STOP MECHANISM. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 11, 1921. Serial No. 460,532. 10 Claims. (Cl. 192—144.)

1. A stopping mechanism comprising a driven shaft, a brake drum connected to the shaft, an expansible brake member adapted to coact with the drum to stop the shaft, an eccentric connected to the shaft, and operating connections between the eccentric and expansible brake member for actuating the latter to clutch and stop the rotation of the drum at a predetermined point in the rotation of the shaft.



1,587,966. SIGN. GEORGE A. LE FEVRE, Richmond Hill, N. Y., assignor of one-half to James Murphy, Richmond Hill, N. Y. Filed May 19, 1925. Serial No. 31,429. 2 Claims. (Cl. 40—142.)



1. A sign comprising spaced pairs of bars extending longitudinally and forming the base of the sign, characters fitting against the face of the bars and having fastening means extending between the bars, and a tie-bar extending from one pair of bars to the other and carrying a character forming a part of the display.

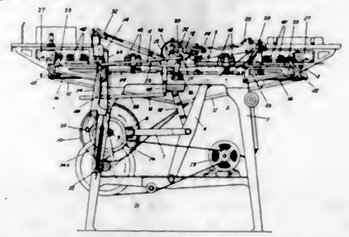
1,587,967. WASTE FITTING FOR LAVATORIES AND METHOD OF MAKING THE SAME. ALEXANDER W. LIMONT, Bridgeport, Conn. Filed Aug. 14, 1924. Serial No. 731,981. 11 Claims. (Cl. 29—157.)

1. The herein described method of producing waste fittings from hollow drawn metal, which consists in drawing the metal to produce a relatively thick end portion and a relatively thin skirt portion in continuation of said relatively thick portion, bending said thick portion at one end to produce a relatively thick laterally extending flange and a relatively thick cylindrical wall portion adjacent said flange, and cutting internal threads in said relatively thick cylindrical portion.

9. A waste fitting formed of hollow drawn metal, comprising a cylindrical shell having an end portion of relatively thick cross section, a skirt portion of relatively

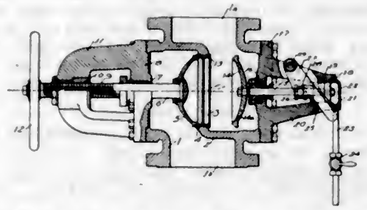
thin cross section in integral continuation of said thick portion, a flange bent laterally at the end of said thick portion, said thick portion being threaded interiorly.

1,587,968. PAPER FEED, PRINTING, AND INKING CONTROL MECHANISM FOR PRINTING PRESSES. CHARLES L. LOW, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed June 27, 1924. Serial No. 722,732. 39 Claims. (Cl. 101—284.)



1. In a printing press having a type form, a printing cylinder arranged to be lowered into cooperative relation with the form, and a driven feed conveyor onto which the sheets to be printed are fed prior to passing to the cylinder, fingers disposed between the conveyor and the cylinder and normally projecting below the conveyor to form a stop for paper being fed to the cylinder, and means associated with the fingers for causing the same to be raised clear of the conveyor only when a single sheet of a predetermined thickness is approaching the fingers.

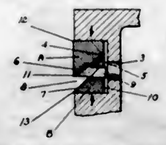
1,587,969. VALVE MECHANISM. OSCAR H. LUDEMAN, Glen Ridge, N. J., assignor to Ludeman Brothers Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1925. Serial No. 58,547. 8 Claims. (Cl. 137—139.)



1. In a valve mechanism, the combination of a fluid conduit having two seats having an intervening space between them; a first valve head closing on one seat; a second valve head closing on the other of said seats; means permitting a balancing of pressure in said space upon the closing of both of said valves with the pressure at the opposite side of the second valve head; and means associated with the second head to cause automatic opening of the second head upon the balancing of pressure in said space.

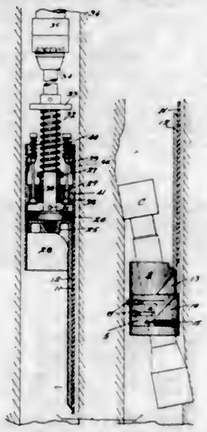
8. In a valve mechanism, the combination of a fluid conduit having two seats having an intervening space between them; a first valve head closing on one seat; a second valve head closing on the other of said seats; means permitting a balancing of pressure in said space upon the closing of both of said valves with the pressure at the opposite side of the second valve head; a stem extending from the second valve head; and means operating through the stem to close the valve comprising a cylinder, a piston in the cylinder, means for supplying fluid to the cylinder to actuate the valve, and a restricted opening leading from the cylinder at the exhaust side of the cylinder to retard the closing action of the piston.

1,587,970. PISTON RING. FRED W. LUNDY, Denver, Colo. Filed Dec. 5, 1925. Serial No. 73,403. 4 Claims. (Cl. 74—109.)



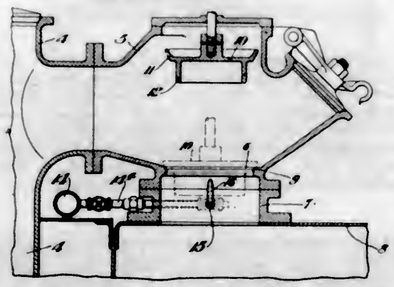
1. A piston packing comprising, in combination, a piston having a piston ring groove, a composite packing ring in said groove, said ring comprising upper and lower sections having conical meeting faces, the conical faces of both sections being cut away near their outer peripheries so as to form an annular channel the lower section having openings from the channel to the inner surface thereof.

1,587,971. SIDE-HOOK FISHING TOOL. ERVIN H. MCCLEASE, Long Beach, Calif. Filed Dec. 24, 1924. Serial No. 757,909. 24 Claims. (Cl. 294—86.)



1. A fishing tool including an embracing wall hook body having a laterally slidable hook to be passed around a fish by a circumferential movement of the slidable hook.

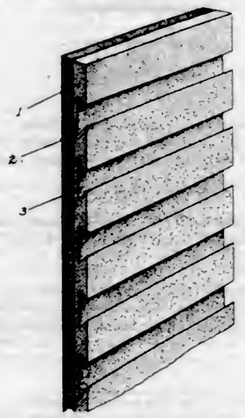
1,587,972. COKE-OVEN-DAMPER VALVE. JAMES MCINTOSH, North Braddock, and JOHN W. MILLER, Clairton, Pa. Filed Oct. 10, 1923. Serial No. 667,743. 4 Claims. (Cl. 137—111.)



1. A damper valve for by-product coke oven, comprising a casing having an inlet opening adapted to be connected with a stand pipe leading from an oven and an outlet opening adapted to be connected to a gas collecting main, a valve member adapted to move vertically

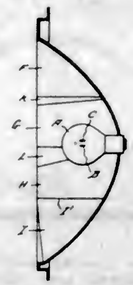
in said casing, a seat for said valve, a nozzle pipe extending into said casing and adapted to project a stream of flushing fluid upwardly into said valve casing and against the bottom of said valve when said valve is in either open or closed position, and means on said valve for preventing said fluid from entering said inlet opening and for causing said fluid to fall downwardly from said valve in the form of a spray.

1,587,973. PLASTER LATH. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif. Filed May 28, 1923. Serial No. 641,965. 3 Claims. (Cl. 106—34.)



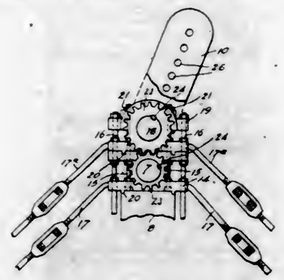
3. A composition plaster lath consisting of calcined gypsum, casein as a water proofing element, sawdust and an adhesive element.

1,587,974. AUTOMOBILE HEADLIGHT. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 13, 1925. Serial No. 8,880. 5 Claims. (Cl. 240—41.)



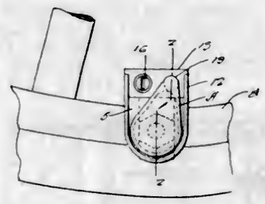
1. In a light projector, the combination with a reflector and a light bulb having two independently lighted filaments, one above the other, the lower one very slightly above the axis of the reflector, the focal point of the rear portion of the upper half of the reflector being in advance of the focal point of the forward portion of the upper half and also above the same, said rear portion of the upper half having its axis inclined slightly downwardly, the focal point of the lower half of the reflector being spaced from and in advance of the focal points of the upper half of the reflector, the filaments being located between the two forward focal points, the forward portion of the lower half of the reflector being inclined downwardly, whereby rays of light from either filament will be directed below the horizontal.

1,587,975. GEARING FOR WELL-PUMPING MECHANISM. JACOB A. MOLLER and ABBOTT B. JENKS, Santa Fe Springs, Calif. Filed Feb. 24, 1925. Serial No. 11,105. 3 Claims. (Cl. 74—14.)



1. An operating connection for well pumping apparatus, comprising a jack post, a bearing mounted thereon, a band wheel shaft journaled in said bearing, a bearing mounted on said first bearing, a counter-shaft journaled in the second bearing and having the crank of the pumping apparatus fixed on said counter-shaft, and gearing between the counter-shaft and the band wheel shaft.

1,587,976. RIM LUG NUT LOCK. FRANK C. MOORE, New Orleans, La. Filed Jan. 26, 1926. Serial No. 83,896. 2 Claims. (Cl. 70—90.)



1. A tire rim lock including a plate having an opening to receive a rim bolt and provided with a marginal flange adpted to partially encase the nut of a rim bolt received in said opening, the plate being adapted for disposal between the lug of the bolt and lug nut, a lock housing on the plate, a shank associated with the housing for locking engagement therein, and a cover on the shank for encasing the rim bolt nut to prevent access thereto by unauthorized persons.

1,587,977. FUNGICIDE. WILLIAM MOORE, Chappaqua, N. Y., and CORNELIUS D. VREELAND, Vineland, N. J. Filed Mar. 30, 1925. Serial No. 19,497. 11 Claims. (Cl. 167—6.)

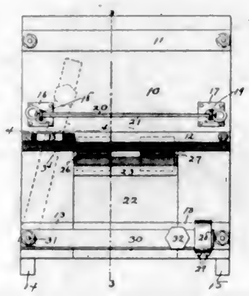
1. A fungicide comprising an insoluble copper compound having an adsorbed positively charged ion.

11. A method of making fungicides which comprises providing a solution of copper sulphate, adding lime thereto to precipitate the copper, and adding about 5% of calcium acetate to the precipitate.

1,587,978. WAGON END GATE AND SCOOP BOARD COMBINED. GLEN C. MYERLY, Deep River Township, Poweshiek County, Iowa. Filed Apr. 24, 1925. Serial No. 25,715. 3 Claims. (Cl. 296—51.)

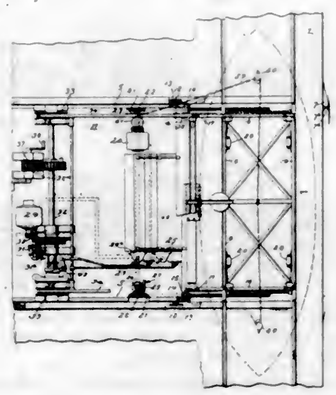
2. A combined endgate and scoopboard, comprising a body formed with parallel cleats, said body being formed with a notch in its lower end portion intersecting one of said cleats, a wicket hinged to an intermediate cleat and adapted to close said notch, said wicket being formed with a cleat alining with portions of the inter-

sected cleat, an upwardly-opening hook fixed to and spaced from one portion of the intersected cleat, and a latch



bar pivoted to the other portion of said intersected cleat and adapted to extend across and engage the cleat on the wicket and be engaged by said hook.

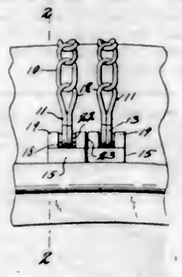
1,587,979. MECHANISM FOR LOWERING BOATS. AUGUST T. NELSON, Milwaukee, Wis. Filed Apr. 18, 1922. Serial No. 554,870. Renewed Nov. 10, 1925. 16 Claims. (Cl. 9—22.)



1. In combination with a ship having means on its deck to guide a life boat in a definite path, a boat lowering mechanism comprising a boat carrier supported by the deck normally in an inner position in line with the path of movement of the life boat to receive a boat from said path, said carrier being movable outwardly to a lowering position, and a guideway on the ship's side in position to receive the carrier in its outer position, and down which guideway the carrier is movably guided to lower the boat.

1,587,980. SHACKLE FOR TIRE CHAINS. NELS CONRAD NELSON, Grandview, Wash. Filed June 11, 1925. Serial No. 36,446. 5 Claims. (Cl. 59—86.)

1. In a device of the character described a link and a member for engagement therewith, the link having an eye and the member being formed to provide two aligned laterally spaced eyes between which the first named eye is received, a pintle extending transversely through all of said eyes, the pintle having a shoulder normally preventing its lateral movement out of engagement with one

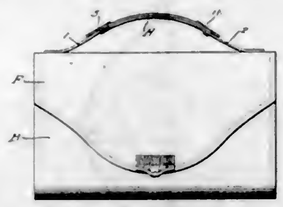


of said eyes, and a spring extending parallel to the pintle and urging the pintle in a direction to carry the shoulder into engagement with the wall of said last named eye.

1,587,981. SPIRIT LEVEL. DAN K. NEWMYER, Houston, Tex. Filed June 1, 1925. Serial No. 34,245. 4 Claims. (Cl. 33—208.)

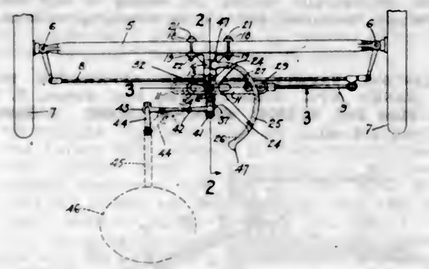
4. In a device of the character described, a rigid supporting body, a wire extending longitudinally therethrough, a supporting plate at one end of said wire, a spirit level on said supporting plate, a spring at the opposite end of said wire, and means for connecting said spring and supporting plate to the ends of said body at points spaced equally from the lower side thereof.

1,587,982. HAND-BAG HANDLE. MORRIS NOVER, Jersey City, N. J. Filed Oct. 28, 1925. Serial No. 65,401. 3 Claims. (Cl. 150—33.)



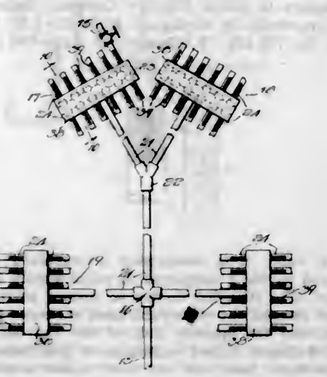
2. A handle for a handbag comprising a pair of flat flexible straps overlapping each other longitudinally for portions of their lengths at an adjacent one end of each strap, the opposite outer ends of said straps being adapted to be attached to the handbag, and the end of one of said overlapped portions being wider than the adjacent overlapped portion of the other strap; a flat loop-forming cap piece stitched to a face of the said wider end along the opposite side edges thereof and extending transversely across the overlapped strap to form a relatively slidable guide loop therefor, the strap end and cap piece forming said loop extending in opposite directions beyond the ends of said stitching to form lips adapted to frictionally engage the opposite faces of the strap trained through the loop; and guide means slidably connecting the other of said overlapping strap portions to its opposed strap.

1,587,983. STEERING MECHANISM FOR MOTOR VEHICLES. CARL W. OLSON, Minneapolis, Minn., assignor to American Safety Equipment Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Oct. 29, 1924. Serial No. 746,574. 3 Claims. (Cl. 74—79.)



1. In a steering mechanism for motor vehicles, the combination of a support extending from the front axle of the vehicle, a slide borne by the support and operatively connected to the vehicle steering-wheels, a cam pivotally borne by the support, guide rolls borne by the support to engage opposite sides of the slide, the axes of the rolls and cam pivot being in substantially alined parallelism, cam followers on the slide adapted to engage substantially constantly opposite faces of the cam whereby upon movement of the cam, the slide is actuated, and means to move the cam.

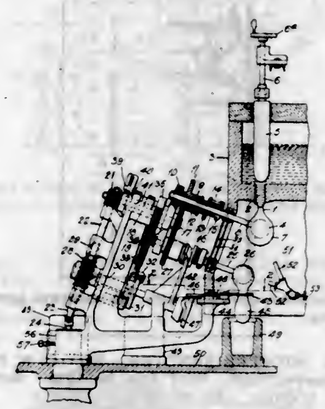
1,587,984. METHOD OF AND MEANS FOR THAWING. EDWARD E. PEARCE, Galesburg, Ill. Filed Feb. 1, 1923. Serial No. 616,240. 12 Claims. (Cl. 262—3.)



3. The method of thawing which comprises delivering water to the area to be thawed and injecting air to increase the penetration of the water horizontally through the frozen area.

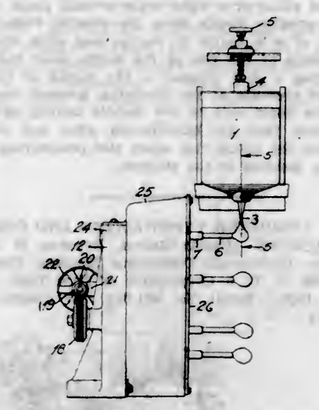
1,587,985. FEEDING MOLD CHARGES OF MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 31, 1921. Serial No. 457,298. 11 Claims. (Cl. 49—5.)

2. The method of forming a mold charge of molten glass from a flowing stream, which consists in winding the stream upon itself to form a gather, pulling the gather away and separating it from the stream, stopping the



winding action and suspending the gather, and severing a mold charge from the suspended gather.

1,587,986. MULTIPLE GLASS FEEDER. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 31, 1921. Serial No. 457,300. 30 Claims. (Cl. 49—5.)

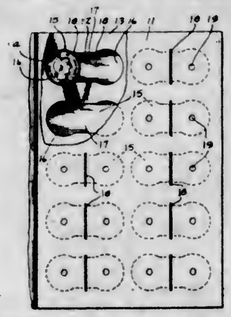


1. The method of obtaining gathers of molten glass from a supply, which consists in winding the glass in succession upon a plurality of rotating gathering implements, and increasing the distance between the implements to pull their respective gathers apart.

1,587,987. SAVINGS DEVICE. WILLIAM W. PHELPS, Los Angeles, Calif. Filed Feb. 26, 1923. Serial No. 621,179. 3 Claims. (Cl. 229—92.9.)

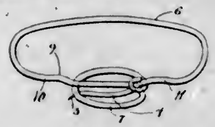
1. In a coin holder, the combination of superposed flat members, the intermediate member having an opening

provided with a wider portion to receive a coin and with a narrower portion, and one of the other members having



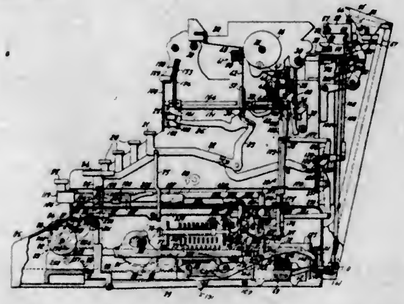
a coin slot communicating with the narrower portion of the opening.

1,587,988. STOPPER REMOVER. WILLIAM W. PHELPS, Los Angeles, Calif. Filed Jan. 14, 1925. Serial No. 2,265. 1 Claim. (Cl. 65—47.)



A stopper remover comprising a clamping member of slightly less diameter than the inside diameter of the mouth of a standard milk bottle, a pointed penetrating member connected at one end with the clamping member and normally lying on one side of the plane of the clamping member, and an oval loop handle on the other side of said plane at a right angle to said plane and of materially greater length than the outside diameter of the mouth of said bottle to engage and slide upon opposite portions of the rim of the bottle when the point is penetrating a disk stopper in the mouth of the bottle to limit pressure of the clamping member upon the stopper, the lower side of the handle having upwardly bent portions that lie immediately over and slightly spaced from the bottle rim when the penetrating member is fully inserted in the stopper.

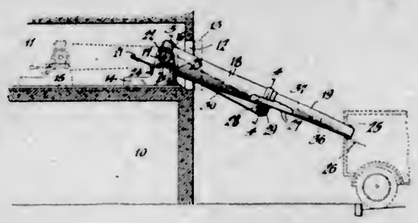
1,587,989. COMBINED TYPEWRITING AND COMPUTING MACHINE. HENRY REACH, Bayonne, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1923. Serial No. 661,014. 31 Claims. (Cl. 235—60.)



3. In a computing machine, a register comprising a series of dials, computing mechanism for actuating said dials to effect addition or subtraction, and means controlled by said dials for varying the state of said computing mechanism.

12. In a combined typewriting and computing machine, a register, color-changing mechanism, state-changing mechanism, and means controlled by the register for automatically varying the setting of said color-changing mechanism and said state-changing mechanism.

1,587,990. SAFETY TRANSFER APPARATUS FOR BANKS, ETC. JOHN REUTHER, East Aurora, N. Y. Filed Feb. 4, 1926. Serial No. 86,060. 2 Claims. (Cl. 214—41.)



1. A safety device for transferring valuables from a bank-building to a vehicle and vice versa, comprising a vault in said building having a door-opening, a track in said vault leading to said door opening, a carriage running on said track, a telescopic transfer tube mounted to swing vertically and laterally on said carriage, and means located in said vault for swinging said tube and withdrawing and extending its sliding member.

1,587,991. VALVE STEM FOR GAS ENGINES. RAY L. SPITZLEY and ALLEN M. THOMPSON, Detroit, Mich., assignors to Alloys Foundry Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 15, 1924. Serial No. 750,131. 5 Claims. (Cl. 123—188.)

1. A valve stem comprising a machined cylindrical steel rod having a compound threaded section on one end thereof, said threaded section so formed as to have one side of the rod cut with right hand V-shaped thread segments, and the opposite side of the rod cut with left hand V-shaped thread segments, so positioned that alternate right hand and left hand thread segments overlap and interweave at the ends thereof, for retaining a valve disc cast thereon.

1,587,992. COMPOSITION OF MATTER FOR ALLOYS. RAY L. SPITZLEY and ALLEN M. THOMPSON, Detroit, Mich., assignors to Alloys Foundry Company, Detroit, Mich., a Corporation of Michigan. Original application filed Nov. 15, 1924, Serial No. 750,132. Divided and this application filed May 22, 1925. Serial No. 32,182. 7 Claims. (Cl. 75—1.)

1. A non-oxidizing, heat resisting alloy adapted for fusing with cast-in steel parts, comprising nickel 56 percent, chromium 8 percent, manganese 7 percent, iron 26 percent, silicon 2 percent, tungsten 1 percent.

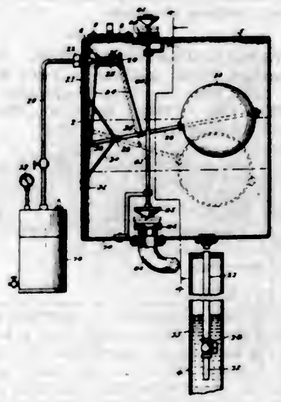
1,587,993. COMPOSITION OF MATTER FOR ALLOYS. RAY L. SPITZLEY and ALLEN M. THOMPSON, Detroit, Mich., assignors to Alloys Foundry Company, Detroit, Mich., a Corporation of Michigan. Original application filed Nov. 15, 1924, Serial No. 750,132. Divided and this application filed May 25, 1925. Serial No. 32,832. 5 Claims. (Cl. 75—1.)

1. A non-oxidizable alloy comprising nickel 64 percent, manganese 7 percent, iron 14 percent, silicon 2 percent, tungsten 1 percent, copper 12 percent.

1,587,994. COMPOSITION OF MATTER FOR ALLOY OF METALS. RAY L. SPITZLEY and ALLEN M. THOMPSON, Detroit, Mich., assignors to Alloys Foundry Company, Detroit, Mich., a Corporation of Michigan. Original application filed Nov. 15, 1924, Serial No. 750,132. Divided and this application filed June 2, 1925. Serial No. 34,476. 8 Claims. (Cl. 75—1.)

1. A non-oxidizable alloy adapted for making combination alloy and steel parts, comprising nickel 58 percent, chromium 8 percent, manganese 7 percent, iron 14 percent, tungsten 1 percent, and copper 12 percent.

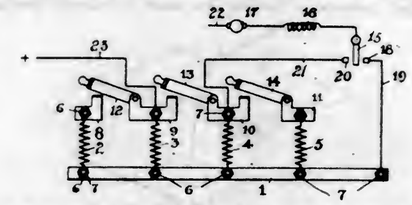
1,587,995. WATER-ELEVATING APPARATUS. HERMAN WALCH, Fessenden, N. Dak. Filed Nov. 3, 1925. Serial No. 66,572. 2 Claims. (Cl. 103—251.)



1. A water elevating apparatus comprising a tank having a valve controlled air inlet, a valve controlled burner located within the tank, a float pivotally mounted in the tank, means operatively connecting the float with the burner valve to open and close the same as the float moves, means connecting the float with the valve of the air inlet, means for leading water into the tank and means for leading water out of the tank.

1,587,996. RHEOSTAT. HARRY B. WARREN, Colliers, W. Va., assignor to Weimer-Warren Company, Colliers, W. Va., a Corporation of West Virginia. Filed Dec. 31, 1924. Serial No. 759,058. 1 Claim. (Cl. 201—48.)

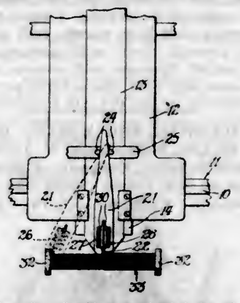
In a rheostat, a bus-bar, a plurality of resistance units, each having one end connected thereto, switches connecting the remaining ends of the said units in series, a switch, a current supply wire connected thereto, two contacts for the switch last named, one connected to the bus-bar and the other to one of the said remaining ends of said units, and a second current supply line connected to another of the said remaining ends.



1,587,997. EXPANSIBLE ARMOR-PLATE TIRE PROTECTOR. AMOS A. WYCKOFF, Oakland, Calif., assignor to Wyckoff Manufacturing Company, a Corporation of California. Filed Feb. 2, 1925. Serial No. 6,231. 1 Claim. (Cl. 152—17.)

A tire protector comprising a plurality of arc shaped sections joined end to end into a circular band, a plurality of arc shaped strips fitting over the joined ends of the sections, having their lateral edges projecting downwardly from the lateral edges of the sections, a plurality of raised parts located in the ends of the strips adjacent the central parts thereof, and a rubber band extending over the joined sections and strips, having parts thereof located between the edges of the strips and sections and underneath the raised parts of the strips.

1,587,998. MATERIAL-WINDING MECHANISM. ARTHUR HERMAN ADAMS, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,108. 15 Claims. (Cl. 242—158.)

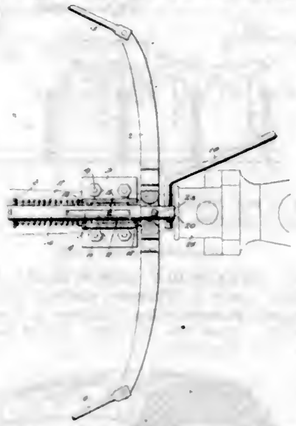


1. In a device for feeding material in the process of being wound upon a winding spindle, a member movable in a path parallel to the winding spindle, material feeding means pivotally attached at its forward end to said member, and means for causing said means to swing upon its pivot point in a plane parallel to the axis of the spindle during the reciprocation of said member.

1,587,999. BRAKE-EQUALIZING ATTACHMENT FOR AUTOMOBILES. FRANK J. ANDEL, Cleveland, Ohio. Filed Feb. 4, 1924. Serial No. 690,576. 10 Claims. (Cl. 188—204.)

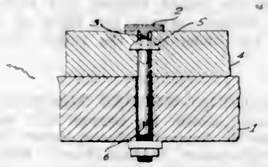
1. An equalizing brake attachment for automobiles, comprising a bracket adapted to be detachably affixed to

the drive shaft housing of the automobile, said bracket having a bore and bushings therein to provide a lubricating chamber, a reciprocable shaft extending through



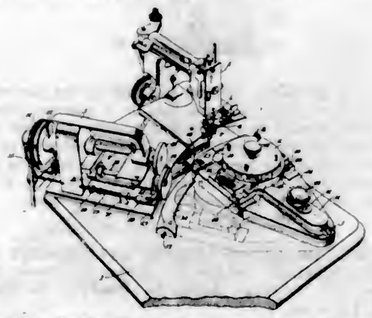
said bushings carried by said bracket, an equalizing lever pivotally connected to said shaft, means adapted to reciprocate said shaft, and brake rods connected with the opposite ends of said equalizing lever.

1,588,000. AUTOMOBILE TRUCK-BODY CONSTRUCTION. WILLIAM J. BARR, Newport News, Va. Filed Mar. 28, 1924. Serial No. 702,536. 3 Claims. (Cl. 296—41.)



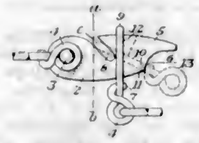
1. A truck body construction including course rails, floor boards supported thereon T-shaped sliding rails disposed between said floor boards, said sliding rails being notched through their web portions, and means adapted to extend through said course rails into said notches to positively hold the several parts in position.

1,588,001. MACHINE FOR MAKING HAT LININGS. RUDOLPH BECKER, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 29, 1921. Serial No. 504,094. 7 Claims. (Cl. 74—14.)



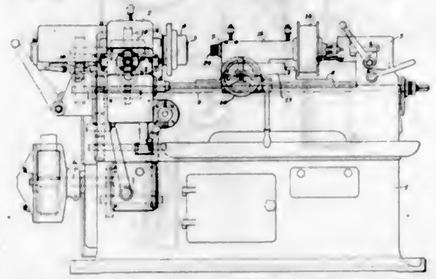
1. A mechanical movement comprising a rotatable guide, means connected to rotate with said guide and slide transversely of the axis of rotation of said guide, means for confining a point on said first-mentioned means to move in a circular path surrounding but eccentric to the axis of rotation of said guide, and means for adjusting said last-mentioned means to vary the degree of eccentricity of said path.

1,588,002. END CONNECTER FOR CHAINS. EARL H. BISHOP, Butler, Pa. Filed Feb. 14, 1925. Serial No. 9,096. 1 Claim. (Cl. 230—5.)



A connecter for tire chain ends, comprising an elongated body member having convexed side edges, one of which is continuously convexed throughout its length, the said body having a diagonally disposed slot extending inwardly from the other edge intermediate its ends partway across the width of the body, the said continuously convexed side of the body being shorter than the other side whereby an overhanging tail portion is provided at one end of the body, said convexed edges of the body serving to reduce the area of the body which may contact with a tire and serve to reduce the danger of the body injuring the tire with which it contacts, the centers of curvature for the convexed surface of the body being out of alignment whereby the central portion of the body is of substantially uniform thickness.

1,588,003. THREAD-HOBBING MACHINE. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 5, 1920. Serial No. 356,476. 30 Claims. (Cl. 10—154.)

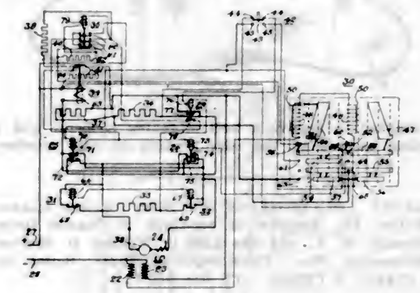


11. In a screw thread milling machine, the combination of a headstock, a rotary work holder mounted therein, a tailstock in axial alignment with the work holder, a cutter spindle, spindle-supporting means comprising a frame adapted to operatively support the spindle in a position parallel to the rotary axis of the work holder or at an angle thereto, a pulley supported on one end of the cutter spindle and spaced to one side of the work holder axis and opposite the tail-stock when the cutter spindle is in the angular position, and means operatively connecting the work holder with the cutter spindle whereby the latter is operated synchronously with the rotation of the former.

1,588,004. CONTROL SYSTEM. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 2, 1922. Serial No. 591,949. 13 Claims. (Cl. 172—240.)

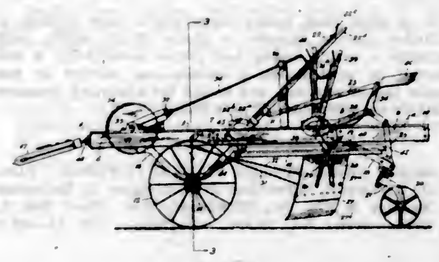
1. In a control system for a machine tool, the combination with a set of change gears for operating the

machine at different speeds, a motor connected to the change gears, and means for accelerating the motor in a forward and in a reverse direction, of an auxiliary switch interlocked with said accelerating means and serving



when in an operative position to prevent acceleration of the motor at slow speed and low torque, and means for insuring operation of the auxiliary switch during the shifting of the change gears.

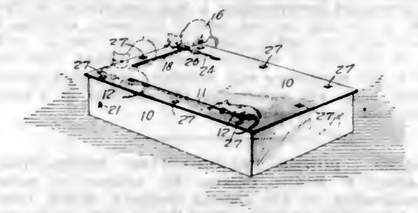
1,588,005. LAND LEVELER AND SCRAPER. PAUL H. BOONE and GEORGE EDWARD GARNER, Phoenix, Ariz. Filed Mar. 13, 1923. Serial No. 624,773. 10 Claims. (Cl. 37—164.)



1. In a machine of the character set forth, the combination of a main frame; draft devices attached to the front part of said frame; a pair of ground-engaging supporting wheels for the frame disposed at points between the front and rear ends thereof so that the frame can swing upward and downward about a transverse axis through said wheels; a scraper blade; connecting means between said blade and the rear part of the frame adapted to permit adjustment of the blade relative to the frame about upright and horizontal axes; and means for holding the blade in adjusted position; said supporting wheels being disposed so that the weight of the structure in front of the wheels largely counterbalances the weight thereof to the rear of the wheels and the said connecting means between the blade and frame being adapted to lift the blade when the rear end of the frame swings upward and to force the blade downward into the ground when the rear end of the frame swings downward.

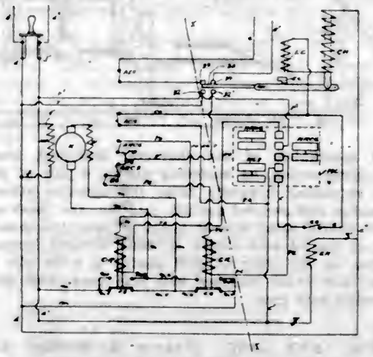
1,588,006. FIGURE TOY. CLAUDE O. BRITTON, Aurora, Ill. Filed Sept. 22, 1922. Serial No. 589,807. 1 Claim. (Cl. 46—40.)

A toy comprising a base, slots extending respectively lengthwise and crosswise of the base, a movable figure mounted above each slot, a lever extending from one of the figures through one of the slots, a spring acting on said lever, a latch to engage said lever, a latch operating member on the underside of the base and a pin projecting from the figure not connected with the



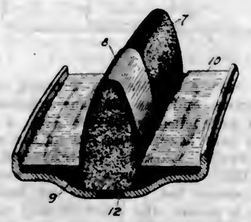
lever and passing through the slot beneath such figure and adapted to engage said latch releasing member.

1,588,007. ELECTRICALLY-OPERATED ELEVATOR-DOOR CONTROL. FREDERICK F. BRUSH, Los Angeles, Calif., assignor to Elevator Safety Appliance Company, a Corporation of California. Filed May 22, 1924. Serial No. 715,047. 20 Claims. (Cl. 187—52.)



12. In a system for the electrical control of elevators and elevator doors, the combination of: a door-control circuit, manual means for closing said circuit, a motor operatively connected with means for transmitting movement to any of said doors and provided with means for successively opening an elevator circuit and closing a magnetic cam circuit.

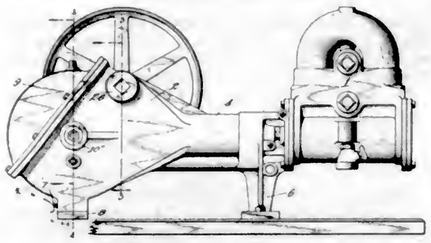
1,588,008. METHOD OF FORMING CUSHION TIRES. RICHARD S. BURDETTE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 22, 1923. Serial No. 676,281. 6 Claims. (Cl. 18—59.)



6. The method of constructing a cushion tire that comprises electrolytically depositing a very thin coat of brass directly upon the iron surface of a base band having upstanding edge portions, a depressed central portion, and intermediate frusto-conical bearing shoulders; painting the outer surface of the base band with rubber cement having a high percentage of zinc oxide; mounting a sand core having a water soluble and heat resisting binder on the rim; holding said core in place by

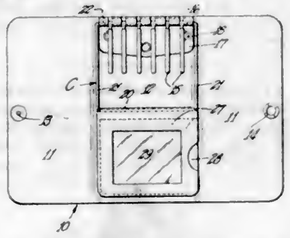
means of a rubber band extending circumferentially therearound; applying a relatively narrow strip of rubber compound incorporating a high percentage of zinc oxide to the rim on each side of the core; applying a second strip of rubber compound to the rim on each side of the core of sufficient width to extend from the core to the upstanding edge portions; applying a rubber cushion body, and vulcanizing the assembly in a mold under heat and pressure.

1,588,009. POWER-TRANSMITTING MECHANISM. ARTHUR W. BURKS, Decatur, Ill., assignor, by mesne assignments, to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed Feb. 7, 1919, Serial No. 275,577. Renewed Oct. 7, 1924. 24 Claims. (Cl. 74—7.)



1. A mechanism of the character described, including in combination, an enclosing casing, a pair of short shafts extending inwardly from the opposite sides of said casing and secured against rotation, the inner ends of said shafts being spaced apart, a gear journaled to rotate on one of said shafts, a crank member journaled to rotate on the other of said shafts, a wrist pin connecting said crank member and said gear, and means for driving said gear.

1,588,010. KEY CASE. WARNER R. BUXTON, Longmeadow, Mass., assignor to Buxton Incorporated, Springfield, Mass., a Corporation of Massachusetts. Filed Sept. 6, 1923. Serial No. 661,296. 9 Claims. (Cl. 150—40.)



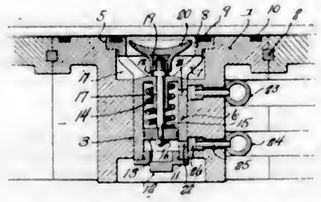
3. In a key case, a flexible case forming member having a back portion and flap portions cooperating therewith to afford an enclosure for the keys, a rigid member secured to said back across the upper end thereof, a member of flexible material pivotally and detachably connected to the second named member and having a part disposed across the back near its lower end and provided with a pocket, the sides of said part adapted to lie substantially coincident with the lines of fold of said flaps.

1,588,011. WASHABLE INSOLE FOR SHOES. WILLIAM C. CAMPBELL, Seattle, Wash., assignor to Frank Kopejtko, St. Louis, Mo. Filed July 3, 1925. Serial No. 41,331. 3 Claims. (Cl. 36—44.)

1. A washable shoe insole consisting of a member constructed from a piece of woven straw material that is shaped to fit inside of a shoe against the sole of the shoe, a pocket on the underside of said member that

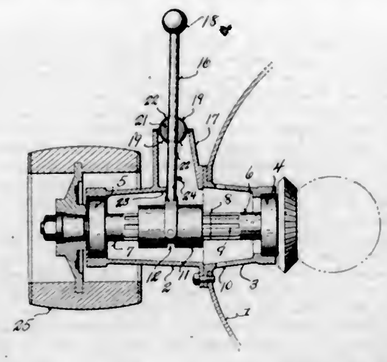
is adapted to receive a heel stiffening element, and a binding secured to the edge portion of said member.

1,588,012. PLATE-GLASS HOLDER. JAMES CARRIE, Butler, Pa., assignor of one-third to Charles Grice, Passaic, N. J., and one-third to William D. Sawyer, Milwaukee, Wis. Filed Sept. 12, 1924. Serial No. 737,440. 2 Claims. (Cl. 51—235.)



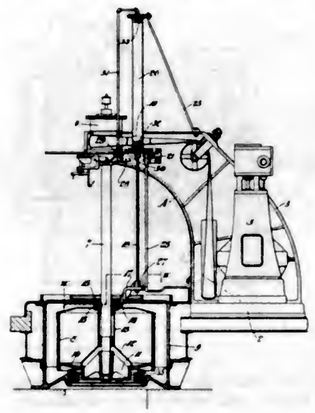
1. A plate glass holder comprising a body portion, a cylinder carried thereby, a piston fitted within said cylinder, a spring urging said piston downwardly, a rod carried by said piston, a suction cup carried by the upper end of said rod, and means for admitting pressure fluid to opposite sides of said piston.

1,588,013. BELT-PULLEY CLUTCH CONTROL. PAUL O. DALLMANN, Milwaukee, Wis., assignor to Dallmann Machine & Mfg. Co., Milwaukee, Wis. Filed May 8, 1925. Serial No. 28,890. 1 Claim. (Cl. 74—39.)



In a clutch control device, the combination of clutch mechanism having a slidable sleeve, a housing enclosing said clutch mechanism and having a laterally projecting portion provided with an open end, a pair of spherically recessed stampings closing the said open end, a spherical ball carried within the recesses of said stampings and having an aperture extending diametrically therethrough, and a lever slidably passing through the aperture in said ball and operatively connected to said sleeve.

1,588,014. CENTRIFUGAL DRIER. GEORGE R. DAVIS, Cleveland, Ohio. Filed Oct. 25, 1924. Serial No. 745,816. 7 Claims. (Cl. 210—74.)

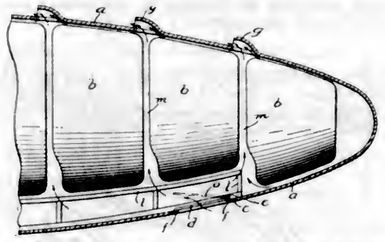


1. In a centrifugal drier, the combination with a basket having a centrally arranged discharge opening in its bottom wall, and a vertically movable valve for closing said opening and adapted to be lifted to permit the discharge of material through said opening, of an operating rod having an operative connection with the upper end of said valve, said connection being adapted to permit free rotation and limited oscillation of said valve relative to said rod, and power means for reciprocating said rod to open and close said valve.

1,588,015. OIL-LEVEL INDICATOR. JAMES DEARMANN, Milwaukee, Wis., assignor to N. A. Boehm, Milwaukee, Wis. Filed Sept. 26, 1925. Serial No. 58,801. 2 Claims. (Cl. 137—139.)

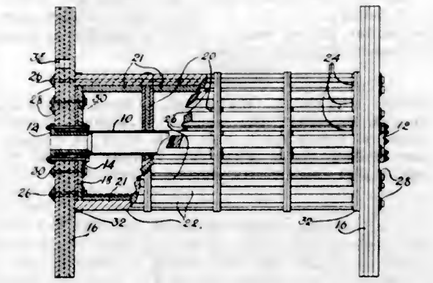
2. In an automobile having a body portion provided with a dash and with a transmission casing, a valve carried by said transmission casing and normally spring closed, an elongated member extending upwardly from said valve to a point below said dash, a plate secured to said dash and having an elongated slot therein, and a manipulating member having a shouldered shank corresponding in contour to said slot and adapted to pass through said slot and attached to said elongated member, said manipulating member being adapted for upward motion and for partial rotary motion, whereby said member may be partially withdrawn from said slot and rotated transversely thereof to lock said valve temporarily in open position.

1,588,016. OUTER COVER AIRSHIPS. LUDWIG DÜRR, Friedrichshafen, Bodensee, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung, Friedrichshafen, Bodensee, Germany. Filed Jan. 9, 1925, Serial No. 1,399, and in Germany Feb. 11, 1924. 2 Claims. (Cl. 244—3.)



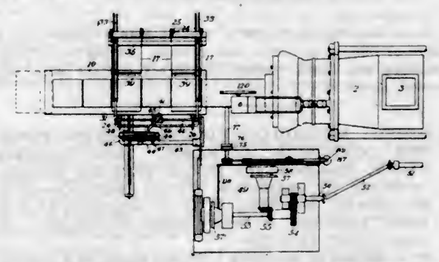
1. In a rigid airship an outer cover substantially impermeable to air, a portion of said cover being replaced by wide woven air-permeable fabric adapted to regulate differences in pressure occuring between the air outside and the air inside of said cover.

1,588,017. REEL. FRANK JOSEPH FEELY, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 27, 1923. Serial No. 659,511. 7 Claims. (Cl. 242—124.)



1. In a reel, a tubular central member, flanged annular hubs associated with the ends thereof, annular members associated with the hub flanges, heads secured between each hub flange and associated annular member, a drum intermediate the heads, and means for securing the heads to the drum.

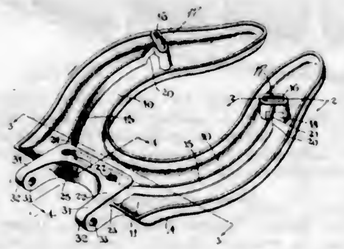
1,588,018. CLAY-CUTTING APPARATUS. ARTHUR V. A. FITZ, South River, N. J., assignor to American Clay Products Company, Inc., South River, N. J., a Corporation of New Jersey. Filed May 27, 1925. Serial No. 33,181. 28 Claims. (Cl. 25—108.)



1. Apparatus for cutting a moving clay body, including a carriage movable from a normal position with

the clay to be cut, means for holding the carriage in such normal position, means operated in accordance with the movement of the clay for releasing the carriage to permit travel with the clay, a cutter mounted on the carriage, means for automatically operating the cutter during the movement of the carriage, and means for automatically returning the carriage to its normal position after the cutter has operated.

1,588,019. TOILET SEAT. WILLIAM A. GITTER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 10, 1925. Serial No. 36,233. 2 Claims. (Cl. 4—237.)



1. A unitary toilet seat comprising curved side portions of relatively thin section, each reinforced by a rib disposed substantially along the center line thereof and extending at the base of the seat into a hollow apertured portion, having secured thereto a plurality of hinge lugs projecting beyond the seat.

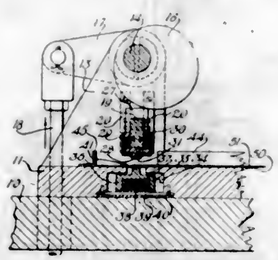
1,588,020. STENCIL MATERIAL. JOHN DOUGLASS GRANGE, Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,103. 11 Claims. (Cl. 41—3.5.)

1. A backing sheet for a stencil blank comprising a sheet of fibrous material, and a waxy coating completely covering the fibers thereof for direct contact with the stencil blank.

1,588,021. METHOD OF AND APPARATUS FOR FORMING COMPOSITE ARTICLES. JOHN DOUGLASS GRANGE, Brookfield, and MARION LLEWLLYN STRAWN, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,129. 18 Claims. (Cl. 41—3.5.)

2. A method of mounting a stencil blank on a backing sheet, which consists in attaching them together by an ingredient contained in one of them.

8. In an apparatus for forming a composite article, means for heating a paraffin coated fibrous member to cause the member to absorb the paraffin, thereby preparing



the surface thereof for an adhesive, means for moistening another member causing an ingredient thereof to form an adhesive, and means for pressing the two members together to attach them together by the adhesive.

1,588,022. COMPOSITE ARTICLE. JOHN DOUGLASS GRANGE, Brookfield, and MARION LLEWLLYN STRAWN, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1924. Serial No. 742,130. 13 Claims. (Cl. 41—38.5.)

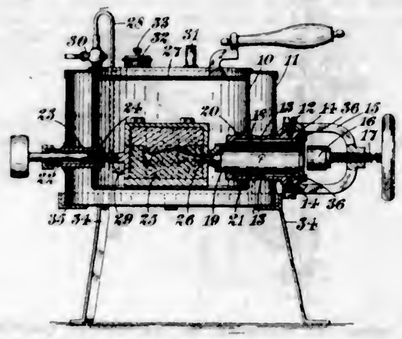
1. A composite article comprising a waxy coated backing member having a portion of its surface prepared for an adhesive, and a second member attached to the prepared surface of the first member, said second member having a bonding ingredient which is rendered adhesive by moisture.

7. A stencil unit comprising a paraffin coated backing sheet and a stencil blank in direct contact with the coating and attached to the backing sheet by an ingredient of said stencil blank.

1,588,023. DENTAL APPARATUS. SAMUEL ALBERT GUTTERIDGE, London, England, assignor to The Amalgamated Dental Company Limited, London, England, a British Company. Filed May 26, 1925, Serial No. 32,958, and in Great Britain June 11, 1924. 5 Claims. (Cl. 18—7.)

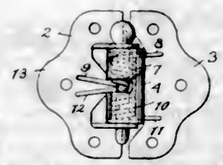
1. Charging apparatus for the purpose described comprising in combination a heating container, a jacketing wall for the same, and a jacketed passage extending

through adjacent container and jacket walls for the reception of a charging cylinder, the interior of the jacket



of which passage is in open communication with the interior of the jacket of said container, substantially as described.

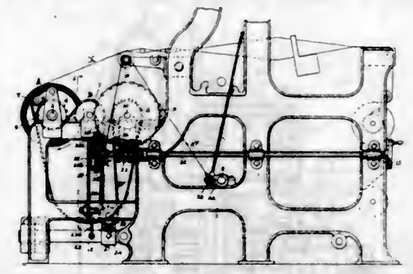
1,588,024. HINGE. CHARLES HABART, Cleveland, Ohio, assignor to John Hist, Cleveland, Ohio. Filed Nov. 13, 1922. Serial No. 600,615. 7 Claims. (Cl. 16—188.)



1. A hinge comprising two members, means for detachably and pivotally connecting said members, and means for yieldingly opposing a relative movement of the members about their pivot from a normal position and for returning the same to normal position comprising a coil spring permanently mounted on one of the members, said spring having one end fixed to the member on which it is mounted and the other end projecting over and bearing against the other hinge member, the hinge member on which the spring is mounted having means for retaining the spring thereon and for limiting the unwinding movement thereof, said means comprising a cylindrical portion fixed on one of the members entirely enclosing the coils of the spring to retain the spring and having a circumferentially extending slot through which the projecting end of the spring extends, said slot permitting movement of the projecting end of the spring upon a relative pivotal movement of the hinge members and so disposed that one end thereof is engaged by the projecting end of the spring when the members are disconnected whereby the spring is retained under normal tension.

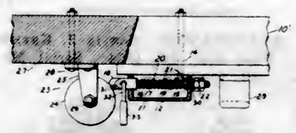
1,588,025. LET-OFF MEANS FOR LOOMS. WILLIAM HARRIS, Paterson, N. J. Filed Mar. 13, 1926. Serial No. 94,445. 3 Claims. (Cl. 139—100.)

1. Mechanism to control the letting-off of a warp in a loom including a rotary element urged to rotate in one direction under the pull of the warp, rotary paying-out means, a flexible attenuated device having a bight between and being in tractive engagement with said element and a rotary part of said means and extending from the former oppositely to its said direction of rotation, and means to tension the bight, the first-named means including with said part another rotary part meshing therewith and having its meshing portion pitched



transversely of its axis of rotation and normally positively locking the first-named part against independent rotation.

1,588,026. DOOR FASTENER. JOHN T. HILL, Oakland, Calif., assignor to Automatic Lock and Closer Company, Oakland, Calif., a Corporation of Florida. Filed Jan. 15, 1924. Serial No. 686,448. 1 Claim. (Cl. 292—74.)



In a latch device, a housing, means securing said housing to a door, a double acting latch bolt slidably mounted in said housing, a coil spring urging said bolt outward from said housing, means governing the protrusion of said bolt, a keeper member adapted to be secured to the outer face of the door jamb provided with a roller adapted to engage said bolt, means for rigidly locking said bolt in extended position by a padlock on the bolt between the housing and the keeper member and said bolt being so adjusted that when the door is fully closed it still exerts a pressure against said roller tending to close the door further.

1,588,027. NITRATION PROCESS. MARION B. HOPKINS, Elizabeth, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Mar. 18, 1922. Serial No. 544,949. 8 Claims. (Cl. 260—144.)

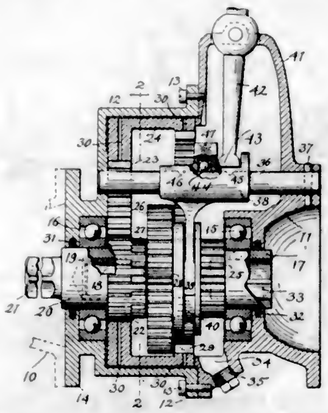
1. The process of nitrating non-benzenoid hydrocarbons which consists in heating the hydrocarbon to a temperature of at least 115° C. and not substantially above its boiling point in the presence of nitric acid and aluminum nitrate.

8. As an article of manufacture, a liquid containing octane, mono-nitro-octane and di-nitro-octane.

1,588,028. MOTOR-VEHICLE TRANSMISSION. JAMES P. JOHNSON, Cleveland Heights, Ohio. Filed Oct. 16, 1925. Serial No. 62,738. 4 Claims. (Cl. 74—58.)

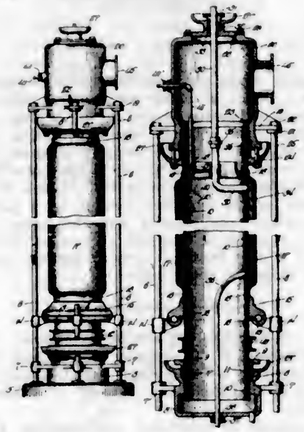
1. In gearing for the purpose specified, the combination of a housing, aligned relatively rotatable members, each of said members having a gear thereon that is rotatable therewith, one of said gears being axially movable on the member which carries it, a rotatable member eccentrically mounted in said housing with respect to the first-mentioned members and having two internal

gears thereon one of which is permanently meshed with one of the first-mentioned gears, and means for shift-



ing said axially movable gear into a position in which it is interlocked with the first-mentioned members, or into mesh with the other of said internal gears.

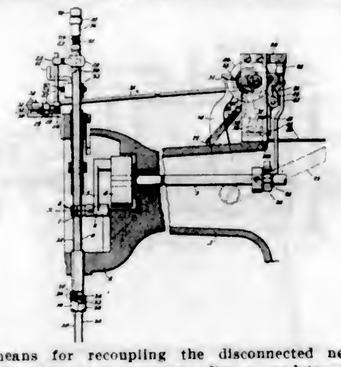
1,588,029. EVAPORATOR. MARTIN J. KRAMER, Evanston, Ill. Filed Mar. 20, 1924. Serial No. 700,508. 2 Claims. (Cl. 159—6.)



1. An evaporator comprising a vertical cylinder open at both ends, to contain material to be dehydrated; a jacket surrounding the cylinder to contain steam; means to rotate the cylinder and jacket and centrifugally operating outwardly flared open annulus to deposit said material upon the inner surface of the cylinder.

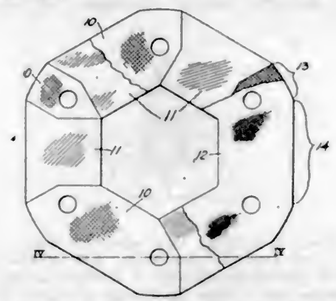
1,588,030. NEEDLE-BAR CONTROLLING DEVICE FOR SEWING MACHINES. JOHN KERR, Mount Healthy, Ohio, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Aug. 26, 1924. Serial No. 734,177. 11 Claims. (Cl. 112—221.)

1. In a sewing machine, in combination, a needle-carrying bar, means for endwise reciprocating said bar, manually controlled means operable during the operation of the machine for at will disconnecting said bar from its reciprocating means, and automatically operat-



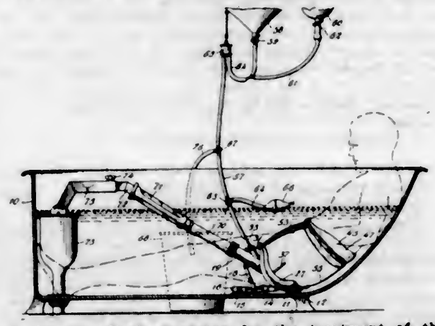
ing means for recoupling the disconnected needle-bar with its reciprocating means after a predetermined interval of operation of the machine.

1,588,031. FLEXIBLE COUPLING. ELMER G. KIMMICH, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 5, 1922. Serial No. 586,280. 11 Claims. (Cl. 64—96.)



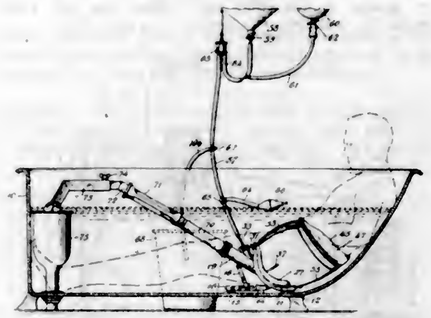
1. A composite disc for flexible couplings having a plurality of driving holes comprising relatively incompressible zones of a single material surrounding each of the driving holes and a flexible zone of more than one material intermediate the aforesaid driving zones.

1,588,032. MEDICAL APPARATUS FOR THE TREATMENT OF THE INTESTINES. ALBERT KLAIBER, Brooklyn, N. Y. Filed Sept. 4, 1924. Serial No. 735,743. 12 Claims. (Cl. 128—227.)



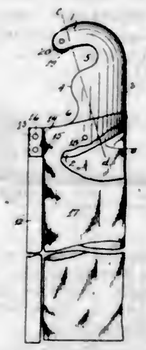
1. In a medical apparatus for the treatment of the intestines, a saddle, a discharge duct extending therefrom, supporting means for said saddle connected to the underside thereof and engageable with the bottom of a receptacle, said supporting means being capable of movements relative to said saddle to vary the position thereof with respect to the body of a patient, means to adjust said supporting means, and an anal tube extending from said duct and saddle and capable of entering the orifice of the anus.

1,588,033. MEDICAL APPARATUS FOR THE TREATMENT OF THE INTESTINES. ALBERT KLAIBER, Brooklyn, N. Y. Filed Sept. 4, 1924. Serial No. 735,744. 5 Claims. (Cl. 128—227.)



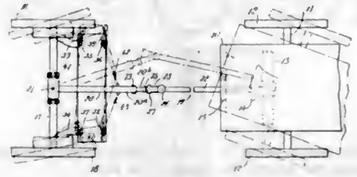
2. In a medical apparatus for the subaqueous treatment of the intestines; the combination with a tub in which the patient is seated, and medicament feeding means located within said tub; of a drainage apparatus connected to said means and including a waste receiving receptacle mounted within said tub and connected to the drain opening therein, and cooperating means in said drain opening and said receptacle permitting movement of said receptacle to discharge water in said tub through said drain opening.

1,588,034. FRUIT-HARVESTING IMPLEMENT. GUSTAV E. KOEHLER, Rochester, N. Y. Filed Sept. 21, 1925. Serial No. 57,741. 6 Claims. (Cl. 56—339.)



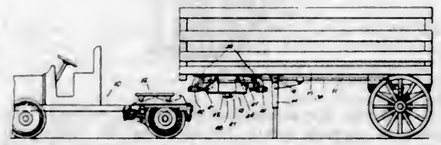
1. In a fruit harvesting implement of the character described, a picker member comprising a wall including a substantially semi-cylindrical body portion, a comparatively narrow bottom portion forming a complete circle, and round ended projections from the side edges of the body portion and in the curve thereof, said body portion terminating at its top in a pair of spaced spherically curved tapering fingers extending in the general direction of said projections.

1,588,035. DRAFT GEAR. EDWARD V. LAWRENCE, Englewood, N. J., assignor to E. V. Lawrence Safety Brake Company, Inc., a Corporation of New York. Filed June 11, 1919. Serial No. 303,433. 5 Claims. (Cl. 188—112.)



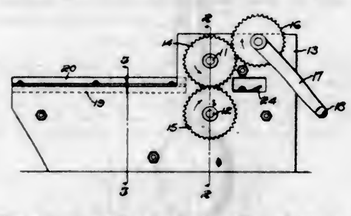
1. In a tractor and trailer the combination with a draw bar comprising jointed sections normally in rigid relation but adapted to knuckle when the vehicle members are rounding a curve of relatively short radius, of a brake actuating mechanism adapted to respond to a compressive action in the draw bar irrespective of the angularity between the parts of the draw bar.

1,588,036. TRAILER. EDWARD V. LAWRENCE, Englewood, N. J., assignor to E. V. Lawrence Safety Brake Company, Inc., a Corporation of New York. Filed Apr. 24, 1920. Serial No. 376,218. 12 Claims. (Cl. 280—33.1.)



1. The combination with a trailer having an upper fifth-wheel section, of a tractor having a lower fifth-wheel section comprising a movable member adapted to cooperate with the upper fifth-wheel section, and means dependent upon the tractive power of the tractor for elevating the movable member of said tractor to pick up the trailer.

1,588,037. METHOD OF AND MEANS FOR MAKING INDEX SLIPS. JOHN C. LIGGETT, New York, N. Y., assignor to Postindex Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1922. Serial No. 596,157. 8 Claims. (Cl. 93—1.)



1. The art of making an index slip, which is characterized by printing characters on the slip, giving it a concavo-convex formation, and coating it with a protective material.

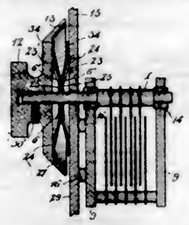
1,588,038. GOLF TEE. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed May 27, 1925. Serial No. 33,145. 4 Claims. (Cl. 273—33.)

1. A golf tee comprising a shank formed to be inserted into the ground, and a head formed to support a golf ball

and detachably connected to said shank, said head being of a color particularly distinguishable from the fairway,

and said shank being of a color particularly distinguishable from the ground of the driving area.

1,588,039. DEVICE FOR FACILITATING INSTRUMENT SETTINGS. DAVID J. MONOSMITH, Spencer, Ohio, assignor to The Monosmith Brothers Company, Spencer, Ohio, a Corporation of Ohio. Filed Sept. 22, 1924. Serial No. 738,992. 26 Claims. (Cl. 188—83.)



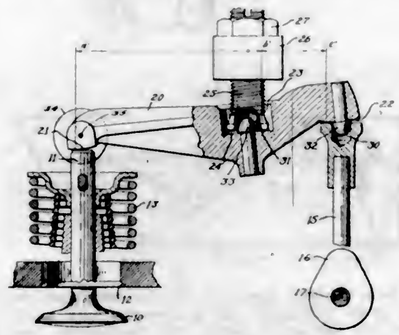
5. A device for facilitating instrument settings, consisting of movable means for changing the instrument settings; means for indicating the amount of said change; and a resistance device related to the changing means so as to offer resistance to the movements of the latter, said resistance device comprising an element connected to the changing means and an engaging element independent of the changing means so as to be capable of slipping upon said connected element, said elements engaging through the medium of a zinc stearate coating.

1,588,040. PUMP. EDMUND L. MOORE, Medford, Mass. Filed Apr. 14, 1924. Serial No. 706,244. 9 Claims. (Cl. 226—20.)

1. A device for inflating toy balloons, said device including a conduit through which gas is delivered to the balloon, said conduit having a connection at its discharge end to which the balloon is connected, and a cord-guiding arm at said discharge end and adapted to hold the cord in position to be wound around the neck of the balloon when the latter is filled.

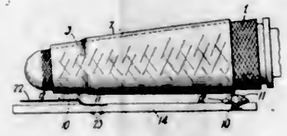
5. A pump for inflating toy balloons comprising an expansible and contractible chamber having an inlet and an outlet, the inlet being provided with a connection arranged to be slipped over and to tightly fit an ordinary gas jet or gas cock, said outlet being provided with a connection constructed to have the neck of a balloon secured thereto, an inwardly-opening check valve in the inlet and an outwardly-opening check valve in the outlet.

1,588,041. VALVE-OPERATING MECHANISM. JOHN C. MOORE, Connersville, Ind. Filed Aug. 14, 1920. Serial No. 403,490. 5 Claims. (Cl. 123—90.)



1. A valve-operating mechanism for internal combustion engines, comprising, in combination with the valve stem and a push rod, a rocker arm the ends of which engage the valve stem and the push rod, and a fulcrum which an intermediate point of the rocker arm engages, each of the three pairs of engaging surfaces being arranged to rock on each other and shift the points of interengagement, said fulcrum and said push rod being provided with holes in their ends, and pins carried by said rocker arm and having heads projecting into said holes.

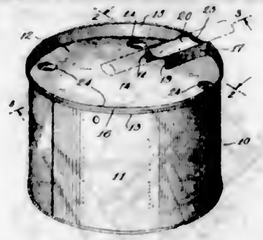
1,588,042. YARN WINDING. MICHAEL MORRELL, Brooklyn, N. Y., assignor to Louis Malina, New York, N. Y. Filed Feb. 10, 1926. Serial No. 87,230. 19 Claims. (Cl. 242—18.)



1. The method of winding yarn on a core which consists in increasing the tension on the yarn while it is being wound on a certain section of the core so as to produce a depressed area in the winding, and placing knots within said area.

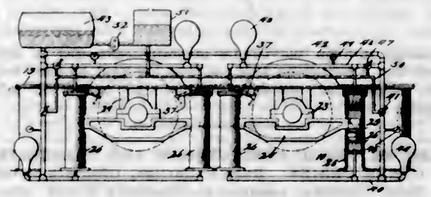
1,588,043. COMBINED CAN CLOSURE AND ASH TRAY. ARTHUR C. MOWER, New York, N. Y., assignor to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,161. 1 Claim. (Cl. 131—61.)

An all sheet-metal container for cigarettes and the like comprising a body portion having an entirely open end, an upwardly flanged disc forming a slip cover fitting into said end, a radially-directed upstanding member secured on the upper face of said disc terminating at the flange thereof and lying wholly within the plane of said



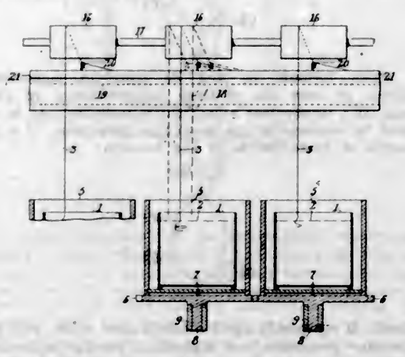
flange, the upper face of said member providing a longitudinal groove and said flange having a recess in its edge corresponding in contour to that of said groove.

1,588,044. REFINING ENGINE FOR PAPER PRODUCTION. JAMES T. MURPHY, Chicago, Ill. Filed Aug. 23, 1923. Serial No. 659,013. 8 Claims. (Cl. 92—24.)



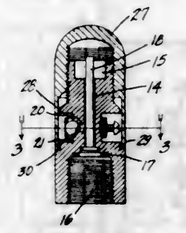
1. A machine for refining paper pulp comprising one or more rolls carrying cutter blades, stationary cutter blades, beneath said rolls and occupying a section less than one-half of a cylinder, fluid means for yieldingly supporting said axles whereby the rolls will assume different positions with respect to the stationary blades, depending upon the quantity of pulp passing between the blades on the roll and the stationary blades, and means for adjusting the pressures above and below said yielding supporting means for the rolls.

1,588,045. APPARATUS FOR FORMING FILAMENTS FROM VISCOSE. SAMUEL A. NEIDICH, Edgewater Park, N. J. Filed May 23, 1925. Serial No. 32,405. 9 Claims. (Cl. 18—8.)



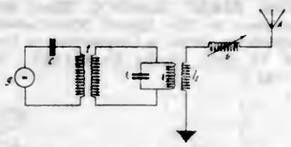
5. In apparatus for forming filaments from viscose, the combination with a supporting member mounted to rotate with its axis vertical; of means arranged to oscillate said member by turning it alternately in opposite directions, with greater movement in one direction than in the other, whereby it is ultimately progressed in one direction; a holder vessel on said supporting member; and a filament container detachably carried in said holder vessel.

1,588,046. TIRE POP VALVE. NELS S. NELSON, Pontiac, Mich., assignor of one-half to George A. Sutton, Pontiac, Mich. Filed July 16, 1925. Serial No. 43,974. 1 Claim. (Cl. 152—11.5.)



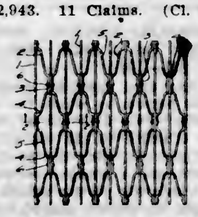
A device of the class described comprising a body member having a slot therein, a passage extending therethrough, a pin in part of said passage, a port from said pasage to said slot, a ball seat in said port, a ball positioned in said seat, a spring clip having a cupped pocket adapted to hold said ball in place until a predetermined pressure is exerted against the same, and a tension screw securing said clip on the opposite side of said ball and adapted to regulate the pressure said spring will withhold.

1,588,047. CIRCUIT ARRANGEMENT FOR WIRELESS SIGNALING. MENDEL OSNOS, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Feb. 12, 1923, Serial No. 618,667, and in Germany Feb. 11, 1922. 2 Claims. (Cl. 250—17.)



1. An arrangement for high frequency signaling comprising a source of high frequency energy, an oscillatory circuit coupled thereto comprising an inductance having a condenser connected directly across its terminals and a transmitting circuit coupled to said inductance, said inductance and capacity being so adjusted that the oscillatory circuit will resonate the transmitted frequency and the condenser will by-pass substantially all the undesirable higher frequencies.

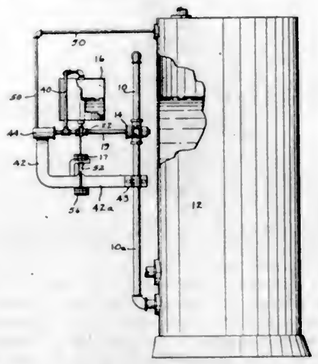
1,588,048. GRATING OR VENTILATED FLOORING. PAUL LEON PRICE, Mount Vernon, N. Y., assignor to Irving Iron Works Company, Long Island City, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 652,943. 11 Claims. (Cl. 94—30.)



1. In a grating, a pair of longitudinal strips and a spacing member therebetween, the spacing member having staggered portions thereof parallel and in contact with said strips, other portions substantially normal to

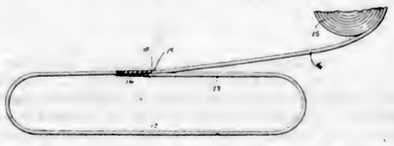
the first mentioned portions, and still other portions disposed at an obtuse angle to said second mentioned portions of the spacing member.

1,588,049. FEED-WATER REGULATOR. JAMES P. QUALEY and AUGUST F. WUILLEUMIER, Cleveland, Ohio. Filed Mar. 5, 1925. Serial No. 13,221. 16 Claims. (Cl. 137—101.)



3. In combination, a boiler, a feed water line, a boiler overflow drain line, a single valve controlling the feed water line and drain line and a liquid container connected to the boiler and valve for operating the valve and mounted to be movable.

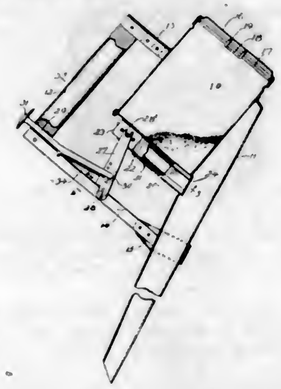
1,588,050. ENDLESS BELT AND METHOD OF MANUFACTURING SAME. ALBERT G. REED, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Jan. 11, 1923. Serial No. 611,987. 34 Claims. (Cl. 117—55.)



1. A cordage like structure comprising a series of lengthwise filamentary members of fibrous material, binding material wrapped around said members to form a strand, other filamentary members positioned along said first mentioned filamentary members, and binding material wrapped around said last mentioned filamentary members and strand.

1,588,051. DISPENSING DEVICE. SEVER C. REPPE, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,325. 3 Claims. (Cl. 221—104.)

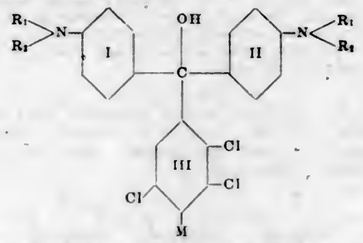
2. A device of the kind described comprising a container, a removable bottom by which the container may be filled, a discharge chute attached to one side of the container, a tube attached to the top of the container communicating at one end with the chute, and at one side with the container, a plunger reciprocable in the said tube having a cutaway portion adapted in one position of the plunger to receive material from the container and in another position to discharge such material into the chute, a handle for the container on the side opposite the chute, a member extending from the upper end of the handle to the chute above the container, an arm pivoted to said member, a pin and slot connection between said arm and said plunger, a spring adapted to move said arm and plunger towards the handle, a rod



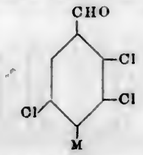
passing through the handle pivotally connected to said arm and a button on said rod whereby said plunger may be reciprocated manually against the action of said spring.

1,588,052. BASIC DYESTUFFS OF THE MALACHITE-GREEN SERIES. RUDOLF REYHER, Offenbach-on-the-Main, Germany, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany, a Corporation. Filed Sept. 2, 1925, Serial No. 54,136, and in Germany Sept. 27, 1924. 4 Claims. (Cl. 260—68.)

1. As new compounds basic dyestuffs of the malachite green series, corresponding probably in the state of the free bases to the general formula:

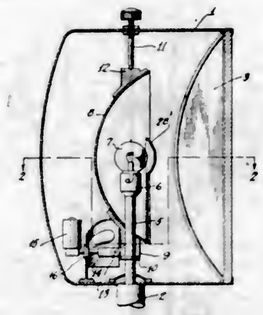


in which formula R_1 and R_2 represent monovalent radicles, at least one of these radicles being an alkyl group, M a monovalent atom, which dyestuffs may be obtained by condensing one molecular proportion of a derivative of benzaldehyde of the formula:



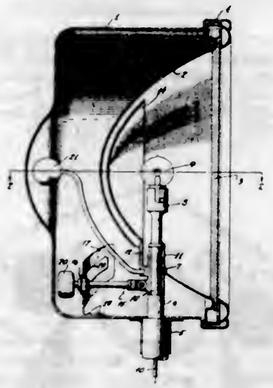
wherein M represents again a monovalent atom, with two molecular proportions of arylamins, having monovalent radicles on the N- atom, at least one of these radicles being an alkyl group, and by oxidizing the leuco bases, thus obtained, which dyestuffs are when dry bluish to green powders, soluble in water to a blue to green solution, and dye mordanted cotton, silk, and unmordanted artificial silk in beautiful and pure blue, bluish green to green shades.

1,588,053. AUTOMOBILE HEADLIGHT. ROGER REYMOND, Bronx, N. Y., assignor to Curve-Lite Corporation, New York, N. Y., a Corporation of New York. Filed May 26, 1924. Serial No. 715,795. 5 Claims. (Cl. 240—62.)



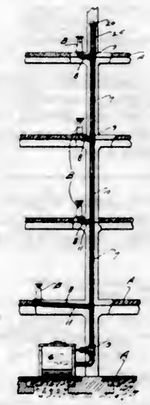
1. A directional headlight for automobiles embodying a housing, and a lamp positioned within the housing, in combination with a movable reflector mounted for rotation coaxial of the lamp, said reflector being weighted off center of its axis of rotation whereby it is operable by centrifugal force to oscillate in accordance with changes of direction of movement of the car with which the headlight is associated, and cam means for opposing the action of centrifugal force and normally maintaining the reflector in a position to direct a beam of light straight ahead.

1,588,054. DIRECTIONAL AUTOMOBILE HEADLIGHT. ROGER REYMOND, Bronx, N. Y., assignor to Curve-Lite Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1924. Serial No. 733,068. 3 Claims. (Cl. 240—62.)



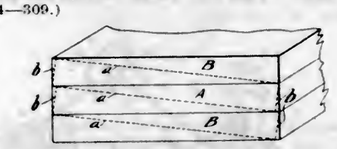
1. A directional headlight for automobiles, embodying a housing, a fixed reflector and a lens associated with the housing, a source of light positioned between the fixed reflector and the lens, a movable reflector of smaller diameter than the fixed reflector positioned between the source of light and fixed reflector and mounted for rotation coaxially with the source of light, said movable reflector being weighted off center of its axis of rotation, whereby it is operable by centrifugal force to oscillate in accordance with changes in direction of movement of the car with which the headlight is associated, and cam means for opposing the action of centrifugal force and normally maintaining the moving reflector in a position to direct a beam of light straight ahead.

1,588,055. COOLING DEVICE FOR DRINKING FOUNTAINS. HARRY C. RIDLER, Minneapolis, Minn. Filed Aug. 20, 1925. Serial No. 51,335. 8 Claims. (Cl. 62—7.)



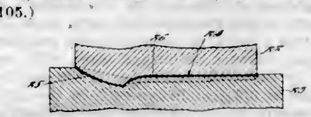
1. The combination with a refrigerator and a drinking fountain, of a drinking water supply pipe extended from said refrigerator to said fountain, said supply pipe having an escape passage, and a thermally actuated valve operative to open said escape passage when the drinking water in said supply pipe is above a predetermined temperature and to close said escape passage when the water is at a predetermined lower temperature.

1,588,056. METHOD OF MANUFACTURING COMPOSITE LUMBER. BYRD C. ROCKWELL, Camden, Ark. Filed Feb. 7, 1923. Serial No. 617,566. 5 Claims. (Cl. 144—309.)



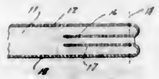
1. The herein described method of producing composite lumber consisting in uniting a plurality of strips of different grades, and then diagonally severing each of said strips whereby the resultant composite strip has the meeting faces of the constituent strips disposed diagonally relative thereto.

1,588,057. METHOD OF MAKING SPOONS. HARRY E. RUCKERT, Philadelphia, Pa., assignor, by mesne assignments, to Sanitary Products Corporation of America, Philadelphia, Pa., a Corporation of Virginia. Filed Jan. 12, 1925. Serial No. 1,779. 3 Claims. (Cl. 76—105.)



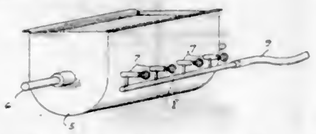
1. The herein described method of making a spoon or the like which consists in punching a blank from sheet metal stock and simultaneously turning the edges of said blank in the direction of one of the faces thereof, shaping said blank to form a bowl with its convex side at the face of the blank toward which said edges are turned and a handle substantially U-shaped in cross section with its convexity opposite that of the bowl, and flattening the portions of the turned edges of the blank along the sides of said handle.

1,588,058. PLASTER BUILDING BOARD. JOHN SCHUMACHER, Los Angeles, Calif. Filed July 14, 1924. Serial No. 725,901. 4 Claims. (Cl. 154—2.)



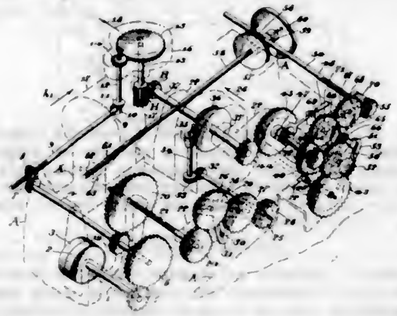
2. The method of making an edge reinforced plaster board comprising applying a covering sheet to a plastic body turning a marginal edge of said covering sheet into the edge of said plastic body and trimming such reinforced edge of the green board.

1,588,059. AERATING AND MIXING PLASTIC MATERIAL. JOHN SCHUMACHER, Los Angeles, Calif. Filed Apr. 20, 1925. Serial No. 24,411. 2 Claims. (Cl. 83—73.)



1. The method of aerating a mass of plaster board which consists in placing such a mass into a chamber, introducing a gaseous agent thereinto at the periphery thereof, and creating a whirling agitating movement so as to drag said agent thereinto with the action of gravity and entraining the same in the body of said mass.

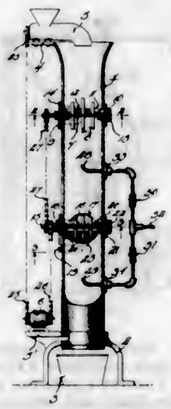
1,588,060. METHOD OF AND APPARATUS FOR GENERATING TAPERED GEARS. OLIVER G. SIMMONS, Philadelphia, Pa., assignor to Simmons Method-Hob Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 5, 1922. Serial No. 527,176. 4 Claims. (Cl. 90—3.)



1. The method of producing tapered spur, or tapered helical spur gears, cutters and the like having a constant circular pitch, which comprises cutting a blank by a cutter to generate a tooth, by simultaneously producing relative movement between cutter and blank with respect to each other to cause the generating action of the cutter to take place at different distances from the axis of the blank and causing the cutter to cut the top surface of the tooth parallel to the root surface thereof in passing from end to end of the blank.

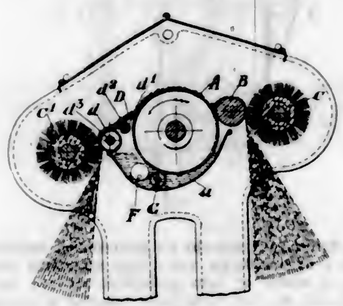
9. Apparatus for producing tapered spur, or tapered helical spur gears, cutters or the like having helical or inclined teeth and having a constant circular pitch, comprising means for supporting a blank, a cutter, means for causing movement of said cutter longitudinally and circumferentially of said blank for producing a tooth therein, and means for simultaneously varying the distance between the cutter and the axis of the blank.

1,588,061. CHEESE-TREATING MACHINE. CARL F. P. SPIELMAN, Hersey, Wis. Filed Dec. 22, 1925. Serial No. 76,976. 5 Claims. (Cl. 99—2.)



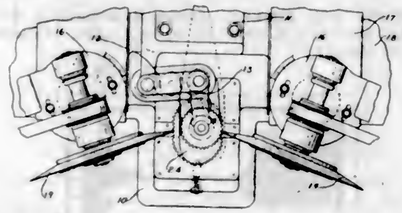
4. A cheese treating machine comprising a vertical mixing tube, a cheese comminuting device adapted to discharge into the upper end of said tube, a mixing unit having stationary and movable portions removably carried within said tube and adapted to be bodily and transversely therefrom, a second mixing device having movable portions and having a screen, said second mixing device being adapted to be bodily removed laterally from said tube, a steam jet mounted below each of said mixing devices and adapted to be bodily removed laterally from said tube, and means for driving said comminuting device and said mixing device.

1,588,062. APPARATUS FOR DISTRIBUTING OIL OR OTHER LIQUIDS UPON FIBERS AND THE LIKE. FRED SPIVEY, Heckmondwike, England, assignor of one-half to Harold Parkin, Liversedge, England. Filed Dec. 28, 1925, Serial No. 77,954, and in Great Britain Dec. 19, 1924. 3 Claims. (Cl. 91—44.)



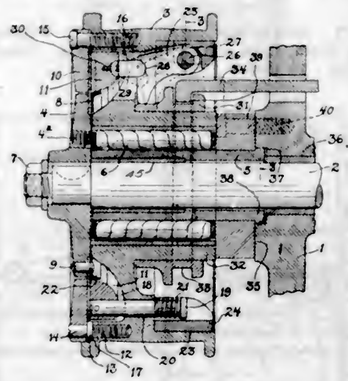
1. In a liquid spraying machine, the combination of a liquid trough, a liquid collecting roller rotatably mounted therein, a section roller rotatably mounted at one side of the collecting roller, a plate pivotally mounted between said rollers for stripping a film of liquid from the collecting roller and delivering the liquid to the second roller, and a distributing brush rotatable at a high speed in contact with said second roller.

1,588,063. GEAR GRINDER. HUBERT D. TANNER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 24, 1923. Serial No. 676,746. 11 Claims. (Cl. 51—52.)



1. A gear tooth grinding machine comprising in combination, a base, an abrasive wheel mounted thereon, a work spindle supported for movement in any direction while its axis is maintained in parallel positions, a gear blank thereon, means to move said spindle about in an orbital path and to simultaneously rotate it about its center, said means imparting an irregular speed of orbital and rotary movement to said work spindle.

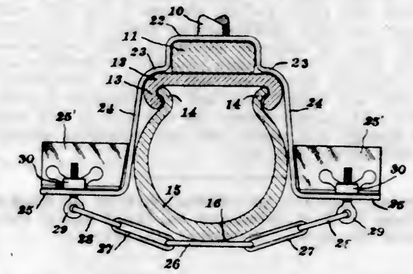
1,588,064. DRIVING MECHANISM. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 8, 1921. Serial No. 521,003. 8 Claims. (Cl. 192—68.)



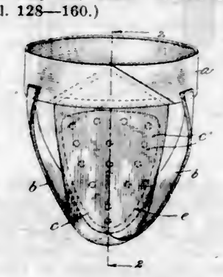
1. A friction clutch comprising the combination of a driven element adapted to be secured to a shaft, a bushing adapted to surround the shaft, a pulley rotatably mounted on the bushing, inter-engaging friction driving means on the driven element and pulley comprising a friction member on the driven element adapted to be engaged between a normally fixed member and a cooperating axially movable member on the pulley, screw-threaded means for securing the normally fixed member to the pulley and for adjusting the same axially thereon, means for moving the cooperating member axially to engage or disengage the friction member on the driven element, and means for securing the bushing to a support whereby the same supports the pulley independently of the shaft.

1,588,065. TRACTION DEVICE. ARTHUR C. THOMSEN, Omaha, Nebr. Filed Mar. 18, 1925. Serial No. 16,540. 3 Claims. (Cl. 152—14.)

1. A traction device for wheels comprising a body strap bent upon itself with an intermediate bridge portion adapted to engage across the felly of a wheel between the spokes thereof and having outwardly diverging arms adapted to lie at opposite sides of a tire beyond the normal widest portion thereof and having outturned wings on the ends of said arms spaced inwardly a short distance from the tread of the tire, and a connecting chain detachably secured to said wings and arranged to extend across the tread of the tire for holding the strap portion in place.

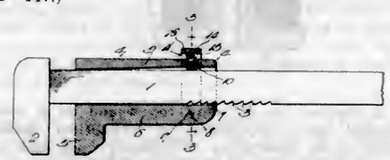


1,588,066. SUPPORTER AND PROTECTOR. EDWARD J. THORP, New York, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed July 25, 1923. Serial No. 653,667. 1 Claim. (Cl. 128—160.)



In an athletic protector and supporter, in combination, a circumferentially extensible waistband, leg straps, a supporter section of elastic webbing extensible in a direction perpendicular to the waistband and a piece of elastic webbing extensible in a direction substantially parallel with the waistband secured to the rear side of the supporter section and terminating above the lower edge of the waistband to form with the supporter section a pocket with its mouth adapted to be closed by the waistband when in position on the body of the wearer, and a metallic protector convex in transverse section and of similar outline to the supporter section and pocket and carried within the pocket.

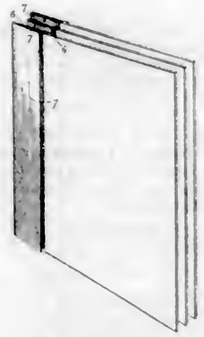
1,588,067. WRENCH. WILLIAM H. TULLY, Monroe, Me. Filed June 11, 1925. Serial No. 36,454. 1 Claim. (Cl. 81—147.)



A wrench comprising an elongated shank having a plurality of spaced teeth on one edge and provided at its front end with a stationary jaw projecting from said edge, a flat elongated, one piece, sleeve slidable on said shank, said sleeve having a lateral jaw at its front end

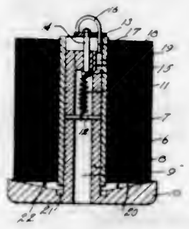
and an internal tooth at the rear end of one of its edge walls, said tooth being engageable with the shank teeth, the other edge wall of said sleeve having an opening near its rear end, a U-shaped metal yoke whose arms straddle said sleeve and are disposed at the side walls thereof and whose arm-connecting portion is outwardly spaced from the aforesaid opening, a coiled compression spring passing through said opening and abutting said arm-connecting portion and said shank, a stud projecting into said spring from said arm-connecting portion, and a rivet passing through the free ends of said arms and through said sleeve, said rivet extending through the first named edge wall.

1,588,068. REPAIR AND PRESERVATION OF BOOKS. JAMES W. WARD, Pittsburgh, Pa. Filed Mar. 6, 1925. Serial No. 13,493. 6 Claims. (Cl. 281—22.)



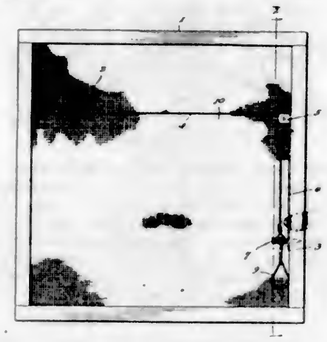
1. A method of repairing books which includes attaching to each leaf of the book one edge portion of a filling strip having a thickness one-half that of the leaf, arranging the unions of the leaves and strips in staggered relation, folding the strips toward the respective leaves and spacing the free edges of the strips from the edges of the leaves, and binding the strips.

1,588,069. SUPPORT FOR THREAD COPS. CHARLES B. WARREN, Westfield, Mass., assignor to W. Warren Thread Works, Westfield, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1924. Serial No. 755,951. 8 Claims. (Cl. 242—134.)



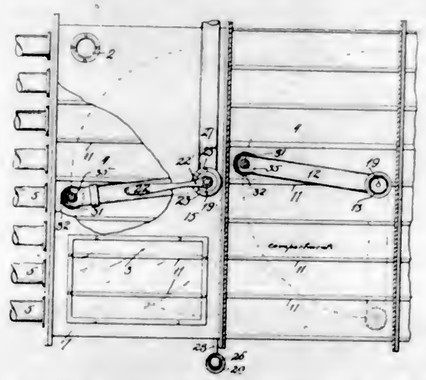
1. A support for a thread cop wound on a hollow cylindrical tube, comprising, a cylindrical mandrel adapted to be inserted in or removed from said tube and upon which said tube is freely slidable in the direction of its axis, an opening provided in said mandrel adapted to receive an upright spindle by which the cop is held in an upright position, and a concave base flange on said mandrel to engage the base of the cop near its outer periphery, whereby as the thread is unwound from the cop and its diameter decreases, the cop tube slides downwardly on said mandrel due to the concavity of said base flange and keeps the outer periphery of the base of the cop in contact with said flange.

1,588,070. FLY SCREEN. FRANK E. WASHBURN, Hale, Mo. Filed Dec. 9, 1925. Serial No. 74,361. 8 Claims. (Cl. 156—37.)



1. A fly screen having a portion partly cut therefrom to provide a flap, and means for moving an edge portion of the flap to provide an escape opening.

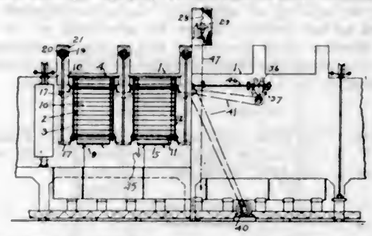
1,588,071. RUN-DOWN BOX. EDWIN C. WEISGERBER, Long Beach, Calif. Filed Feb. 18, 1924. Serial No. 693,584. 10 Claims. (Cl. 137—21.)



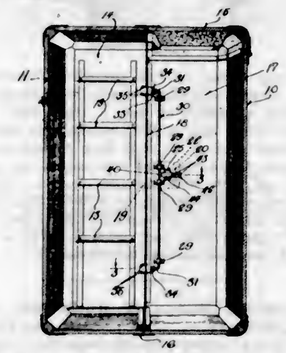
9. A tall box comprising a receptacle having a plurality of compartments, a pipe conveying condensates to said receptacle, a nozzle having a swinging connection with said pipe and disposed within said receptacle, and above said compartments, and means to move said swinging nozzle from the outside of said receptacle.

1,588,072. APPARATUS FOR THE ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. CHARLES H. WEISKOPF, Hawthorne, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 27, 1923. Serial No. 628,052. 5 Claims. (Cl. 183—7.)

1. In an electrical precipitator a plurality of electrodes mounted to move vertically, and independently of one another, each electrode having a frame, means normally resting on stationary supporting means and cam means directly engaging said frame means for intermittently lifting each of said electrodes and allowing it to drop on such stationary supporting means to jar the electrode.

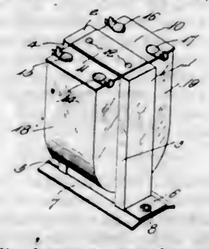


1,588,073. TRUNK-LOCKING DEVICE. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 6, 1924. Serial No. 730,524. 10 Claims. (Cl. 70—115.)



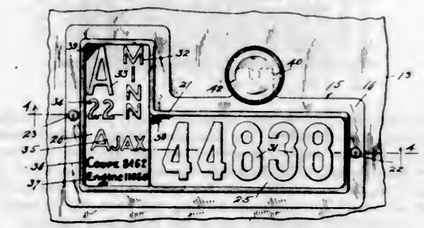
1. A trunk composed of hinged sections adapted to be secured together by a pair of locking elements one of which is key controlled, a bar having one end portion bent and adapted to form the locking member of the other element, the other end of the bar being bent in an opposite direction and lying in the path of the key controlled element, and said bar adapted to be rocked upon the movement of the first element to locking position to cause the locking of the second element.

1,588,074. AUDIOFREQUENCY TRANSFORMER. CHARLES D. WHITE, East Orange, HARRY STEVENSON, Kearny, and DAVID H. MOSS, Newark, N. J., assignors to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 4, 1925. Serial No. 66,758. 4 Claims. (Cl. 175—306.)



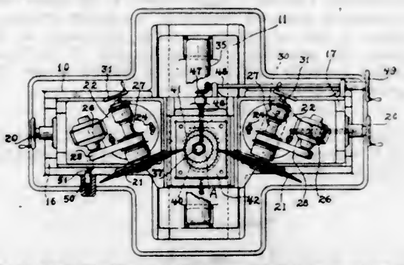
1. In an audio frequency transformer, the combination of a closed magnetic circuit iron core, windings carried by said core, a channel member constituting a frame for said iron core, said channel member having a pair of vertically extending parallel portions, each terminating in horizontally extending projections and each interconnected at their upper extremity by means of a flat strip, a terminal plate secured to said flat strip and projecting on opposite sides thereof, a pair of magnetic shields adapted to fit between said iron core and the sides of said channel frame, the upper portions of said magnetic shields conforming with the shape of the projections of said terminal plate, and the lower portions of said magnetic shields terminating in planes substantially co-incident with the sides of said channel frame member, and a plate member interconnecting said flat horizontally extending projections on the lower extremities of said vertically extending portions.

1,588,075. LICENSE PLATE AND HOLDER. HARRY H. WIEBE, Minneapolis, Minn. Filed Dec. 8, 1923. Serial No. 679,317. 4 Claims. (Cl. 40—2.2.)



1. The combination with a license plate holder having an inset open seat access to which is closed at the back thereof, a fragile cast license plate mounted in and closing said seat and having identifying characters cast as an integral part with the outer face thereof, and means including concealed locking elements one of which is key-actuated for removably securing the license plate in said seat.

1,588,076. GEAR-GRINDING MACHINE. ARTHUR L. WILDER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,592. 12 Claims. (Cl. 51—52.)

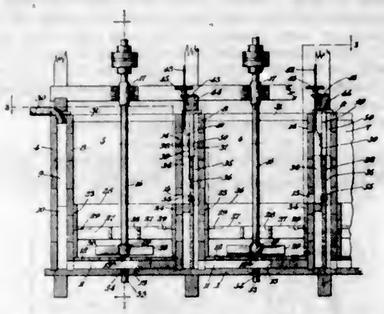


1. A gear grinding machine comprising in combination, a base, slides thereon movable in directions at right angles to each other, a work supporting spindle on one of said slides means to rotate the spindle during the grinding operation, an abrasive wheel on the other of said slides, means to relatively move said slides to cause engagement and disengagement of a gear blank on said spindle with said abrasive wheel, and means to constantly rotate said work spindle.

1,588,077. FLOTATION MACHINE. ELTOFT WRAY WILKINSON, San Francisco, and JOHN W. LITTLEFORD, Alameda, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed Oct. 22, 1920. Serial No. 418,707. 18 Claims. (Cl. 209—169.)

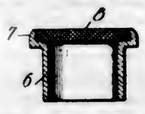
1. In a froth-flotation separation apparatus a combined agitating, gasifying and froth-separating chamber,

an inlet passage provided with means for cascading the pulp therein and having an inlet entering the chamber in the bottom wall of the chamber, a baffle in the chamber, an agitator at the lower part of the chamber above the inlet and below the baffle and arranged to exert suction on the pulp to draw the pulp upwardly through



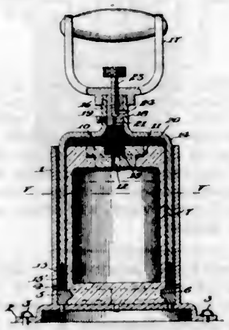
the inlet and force the pulp upwardly past the baffle through the chamber, the chamber being unobstructed except for the baffle therein above the agitator so that the bubbles may rise directly upward from the zone of agitation to an overflowing froth layer above the pulp, and an outlet for the pulp leading out from the chamber at a substantial distance below the pulp level therein.

1,588,078. VALVE SILENCER. SAMUEL T. WINDSOR, Normangee, Tex. Filed Mar. 31, 1924. Serial No. 703,146. 1 Claim. (Cl. 123—90.)



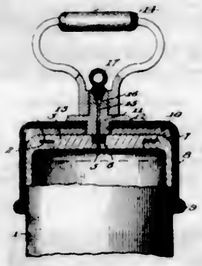
In a valve silencer, a sleeve adapted to be fitted over a valve stem, said sleeve having a circular outwardly and upwardly extended flange formed at its upper end, the outwardly extended portion of the flange defining a shoulder, a disk of fibrous material positioned on the shoulder, the upwardly extended portion of the flange extending inwardly and overlying a portion of the disk to secure the disk in position.

1,588,079. VACUUM PRESERVING DEVICE. FREDERICK V. WINTERS, New York, N. Y. Filed Sept. 29, 1923. Serial No. 665,631. 5 Claims. (Cl. 226—82.)



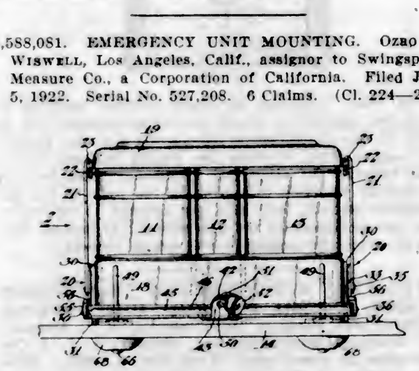
1. The combination with a socket member adapted to removably hold a jar and its cover concentrically therein, of means for detachably locking said jar in the socket member, a cup-shaped piston to be reciprocated between the jar and socket member for extracting air from said jar, a packing ring carried by the lower edge of the piston for making an air tight connection between the jar and socket member, means for admitting air to the socket member below the piston, and means for admitting air to the piston for automatically seating the cover on the jar after the air has been extracted therefrom.

1,588,080. VACUUM PRESERVING DEVICE. FREDERICK V. WINTERS, New York, N. Y. Filed Jan. 23, 1924. Serial No. 687,997. 8 Claims. (Cl. 226—82.)



1. A vacuum former of the character described comprising an elastic cup-shaped member adapted to fit snugly around a preserving jar, a rigid disk arranged in the upper closed end of said member for the purpose specified, means secured to said disk for stretching the vacuum former above the jar, and means for excluding atmospheric air from said vacuum former, while it is being stretched above the jar for withdrawing air therefrom, and for admitting atmospheric air to said vacuum former for automatically seating a closure on said jar after air has been withdrawn therefrom.

1,588,081. EMERGENCY UNIT MOUNTING. OZRO N. WISWELL, Los Angeles, Calif., assignor to Swingspout Measure Co., a Corporation of California. Filed Jan. 5, 1922. Serial No. 527,208. 6 Claims. (Cl. 224—29.)

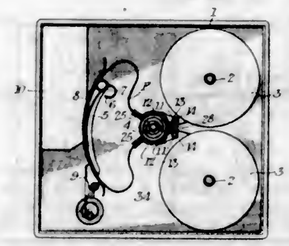


1. In a mounting for containers, the combination of: a base to receive the lower portions of said containers; a cover member adapted to enclose the upper portions of said containers; toggle arms pivoted upon said base; arms connecting said cover and swingably joined with said toggle arms at points other than said pivots; and connected arms swingably attached to said toggle arms for rotating said toggle arms upon said pivots.

1,588,082. MOTION-PICTURE-FILM GUIDE. OTTO WITTEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 18, 1924. Serial No. 750,601. 6 Claims. (Cl. 88—17.)

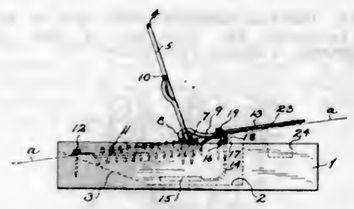
1. In motion picture apparatus, in combination, a wheel for engaging and advancing a film band, and a guide adjacent said wheel and comprising a single

sheet of metal having at its ends portions bent around from one edge to form open sided guide channels to



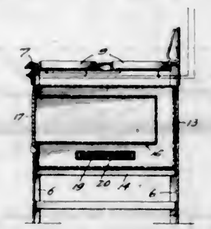
conduct the film to and from the wheel, and bowed between the guide channels to conform to the curvature of the wheel.

1,588,083. ANIMAL TRAP. WILLARD J. WORSLEY, Dixon, Ill. Filed Oct. 29, 1924. Serial No. 746,530. 3 Claims. (Cl. 43—83.)



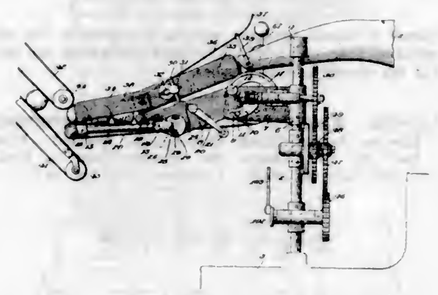
1. In an animal trap, a frame, a jaw pivoted on the frame to close down thereon, a downwardly extending central latch pin rigid with the jaw, a spring to close the jaw on the frame, a trigger pivoted on the frame and carrying a weighted lip and an overhanging wing in the path of the pin when the jaw is swung on its pivot, the lip and latch-pin being oppositely positioned and so arranged that the lip automatically engages the pin when the jaw is swung up to its set position.

1,588,084. COMBINED ELECTRIC RANGE AND WATER HEATER. PHILIP F. APFEL, Seattle, Wash. Filed Oct. 4, 1923. Serial No. 666,435. 3 Claims. (Cl. 219—35.)



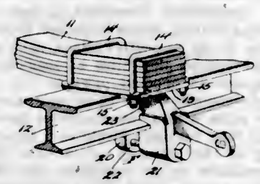
1. In apparatus of the character described, a water containing tank provided with water supply and draw-off pipes disposed in vertically spaced apart relation, a warming closet extending into the water space of said tank, a door for the opening of said closet, a water-tight receptacle extending into said tank in spaced relation below the oven, and an electric heating element provided within said receptacle for heating the oven through the medium of water contained within the tank.

1,588,085. DOUGH-BALL-SPACING MACHINE. GEORGE M. ATTICKS, Lemoyne, Pa., assignor of one-half to Manbeck Baking Company, a Corporation of Pennsylvania. Filed Aug. 13, 1925. Serial No. 49,959. 8 Claims. (Cl. 198—34.)



1. A dough-ball spacing machine comprising, a continuous travelling belt mounted in inclined position and having its active run arranged in upper and lower flights at different inclinations, with a vertical drop leading from one flight to the other.

1,588,086. FITTING FOR SHOCK ABSORBERS. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed Aug. 17, 1925. Serial No. 50,768. 4 Claims. (Cl. 188—130.)

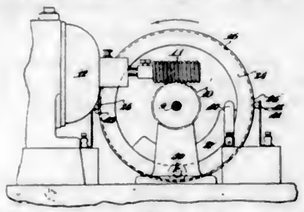


1. A fitting for shock absorbers comprising two members adapted to be positioned on opposite sides of an axle, means for drawing said members together and clamping the axle between them, and means on one of said members to cooperate with a projection on the axle to prevent creeping of the fitting.

1,588,087. WARNING DEVICE FOR USE WITH ELECTRICALLY-CONTROLLED MACHINERY. ARTHUR ERNEST BILLINGSLEY, Hadleigh, England. Filed Aug. 7, 1925, Serial No. 48,813, and in Great Britain May 8, 1924. 5 Claims. (Cl. 177—311.)

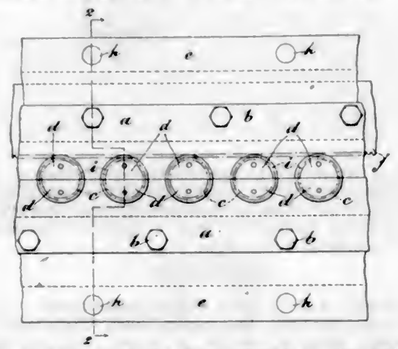
1. A warning device adapted for use with manually controlled electrically operated machinery including relatively rotatable terminal and contact members, warning terminals and apparatus terminals on said terminal member, warning and apparatus contacts carried by the contact member, a motor for moving the contact member

brush contacts carried by the contact member, brushes for engaging said brush contacts, a warning device in-



cluded in circuit with the warning terminals of the terminal member, and a manually controlled switch for closing the circuit to said brushes.

1,588,088. MACHINE FOR MAKING WIRE NETTING. EDWARD SAMUEL BOND, Birmingham, England. Filed Dec. 27, 1923, Serial No. 683,012, and in Great Britain July 20, 1923. 1 Claims. (Cl. 140—9.)

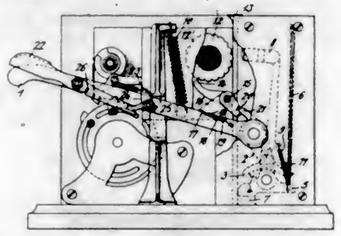


In a machine of the type referred to, for making wire netting, the combination of a facially opposed pair of slides arranged for a parallel reciprocating movement in opposite longitudinal directions, a pair of longitudinally extending bearing plates embodied detachably in the opposed faces of the respective slides, said plates having longitudinally spaced pluralities of semi-circular bearing recesses disposed in opposed pairs in the contact faces thereof, and semicylindrical twisting segments disposed in rotatable pairs within the respective pairs of recesses so as to take their bearings within said detachable plates; the spacing of the plurality of recesses in each plate being proportionate to the particular size of mesh to be produced, the recesses being of a diameter adapted to accommodate the particular size of segment to be used, and the plates being interchangeable in relation to the permanent slides, to thereby provide for wear and avoid the expense of complete renewal of the slides, and to adapt the machine for the production of nettings of various meshes without the necessity for entire removal of the slides and replacement by slides having recesses of different size and pitch.

1,588,089. PROCESS OF REDUCING THE VISCOSITY CHARACTERISTICS OF NITROCELLULOSE. LEONARD E. BRANCHEN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 1, 1925. Serial No. 53,951. 8 Claims. (Cl. 260—148.)

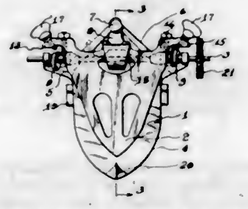
1. The process of treating nitrocellulose, which comprises first softening it with a penetrant liquid to make it more susceptible to subsequent treatment, and thereafter acting on it separately with an aqueous acid solution until the viscosity characteristics of the nitrocellulose are reduced.

1,588,090. WORKMAN'S TIME RECORDER. JULIUS BRENDLE, Zurich, Switzerland. Filed Aug. 30, 1922, Serial No. 585,214, and in Switzerland Sept. 5, 1921. 4 Claims. (Cl. 234—41.)



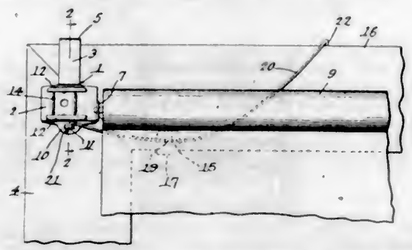
2. In a workman's time recorder; time-operated type wheels, locking means including locking pawls therefor, mechanism to effect printing from said wheels and a lever to actuate said mechanism and the locking means; in combination with optionally operated means to limit the movement of said lever and thereby prevent the release of said pawls, whereby the printing wheels may remain locked during a plurality of printing operations.

1,588,091. DENTAL ARTICULATOR. RAY W. BURCH, Fort Lauderdale, Fla. Filed Mar. 24, 1923. Serial No. 627,520. 8 Claims. (Cl. 32—1.)



1. In a dental articulator, upper and lower plate members, a common shaft, means to move the upper plate member in a horizontal plane so the said member will describe a circle and means to move said plate member for describing a circle in a plane substantially at right angles to the first mentioned circle, the said means including eccentrics and cams on the said common shaft and means coacting with the said eccentrics and cams.

1,588,092. CURTAIN FASTENER. HARRY SMITH CAMPBELL, Dayton, Ohio. Filed May 27, 1925. Serial No. 33,227. 2 Claims. (Cl. 156—24.)

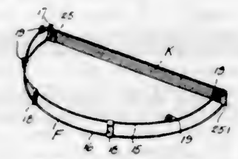


1. In a device of the class described, a spring arm carrying, at its ends, members constructed to engage one edge of a window frame, one of said members having a screen support, the arm being bowed, and carrying, intermediate its ends, means for engaging the opposite edge of a window frame.

1,588,093. MEDICINE CABINET. CLIFFORD G. CARLSON, Jamestown, N. Y. Filed June 9, 1923. Serial No. 644,380. 2 Claims. (Cl. 211—7.)

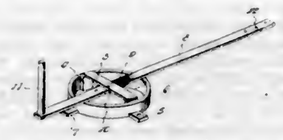
1. In a medicine cabinet including a face plate and a door in which a mirror is installed, hinges mounted upon the inner face of said plate, openings in one wall of said cabinet through which said hinges pass, brackets on said door, means for pivotally securing the ends of said hinges to said brackets, clips on said door normally engaging said hinges and holding them against the inner face of said door, said hinges having arced portions which pass through said openings, whereby when said clips engage said hinges the hinges turn upon their connection with said plate and the door opens in the usual manner and when said clips are free from said hinges the door turns on its pivotal connections with said hinges, thus permitting the adjustment of the door horizontally at any desired angle.

1,588,094. FRUIT-PICKER'S BAG. WILLIE LEE CHAMBERS, Los Angeles, Calif., assignor to William H. Hoegee Co., Inc., Los Angeles, Calif., a Corporation of California. Filed June 30, 1924. Serial No. 723,330. 6 Claims. (Cl. 150—2.)



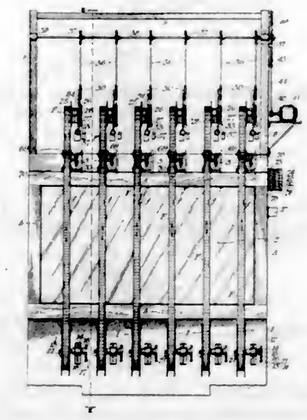
6. In a bag of the character described, a frame of arcuate form comprising a single length of wire bent upon itself to provide curved portions disposed in spaced parallel relation and each portion looped at predetermined points to form eyes, and a strip of slightly extensible woven material looped about the ends of the curved portions and spanning the ends of the frame.

1,588,095. BULL-ROPE TRIP. CHARLES H. CURTIS, East Smethport, Pa. Filed Nov. 21, 1922. Serial No. 602,471. 2 Claims. (Cl. 64—4.)



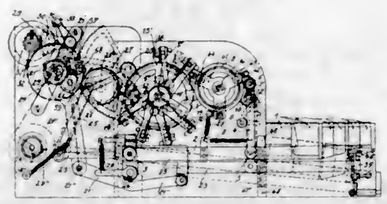
1. In a bull rope trip, the combination of a ring having means whereby it may be secured to a fixed support, a supporting bar extending diametrically across the said ring and having legs fitting within the ring and against the same and provided at the lower ends of the legs with feet extending through the ring and adapted to be secured to a fixed support, and a shipping lever extending across the ring and under the said bar and pivoted to the bar concentric with the ring.

1,588,096. FILM-INSPECTING MACHINE. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 3, 1922. Serial No. 533,983. 8 Claims. (Cl. 88—17.)



1. In a machine for winding notched film bands carrying a plurality of picture areas, the combination with an illuminated viewing screen adapted to simultaneously illuminate a plurality of picture areas, of means for moving the bands across the screen for inspection, take-up reels for the bands, a driving element, connections between the driving element and the take-up reels movable to and from operative positions, means for manually moving a connection to its inoperative position, and automatic means for moving a connection to its inoperative position adapted to be actuated by the notch in the film band.

1,588,097. STENOGRAPHIC MACHINE. VICTOR-CHARLES DOLD, Issy-Les-Moulineaux, France. Filed Mar. 28, 1923, Serial No. 628,383, and in France Mar. 29, 1922. 2 Claims. (Cl. 197—9.)

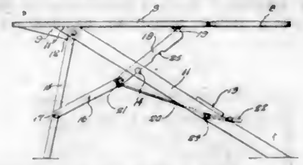


1. A stenographing machine having character bearing sectors, means including cams for operating said sectors, and means operative in the movement of one cam to induce lateral movements to adjacent cams for subsequent cooperation with other sectors.

1,588,098. IRONING BOARD. JOHN P. DORAU, Horicon, Wis. Filed May 14, 1923. Serial No. 638,859. 5 Claims. (Cl. 68—10.)

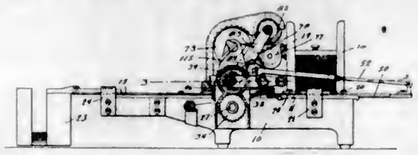
1. A foldable ironing board, comprising a board member, legs pivotally connected to the bottom portion there-

of, link means comprising a pair of pivotally connected members and connected to one of the legs and to the



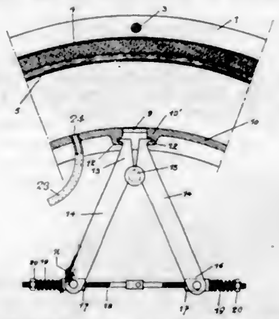
board member, rods connected to said link means, and a crank member connected with others of said legs and with the rods and limited in movement.

1,588,099. STENCIL-PRINTING MACHINE. HARMON P. ELLIOTT, Cambridge, Mass. Filed Feb. 14, 1924. Serial No. 692,840. 18 Claims. (Cl. 101—49.)



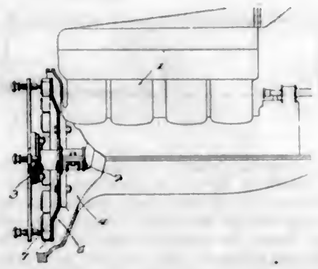
1. A stencil printing machine having means to feed stencils successively into and out of a printing position, means carried by the machine to indicate certain stencils for printing, and manually actuated means to print from such selected stencils and to pass other stencils into and out of printing position without printing therefrom.

1,588,100. APPARATUS FOR RERUBBERING PNEUMATIC TIRES. ARNAUD EYMAEL and MICHEL A. DALL'ESTE, Brussels, Belgium. Filed Mar. 6, 1925. Serial No. 13,569, and in Belgium Mar. 14, 1924. 3 Claims. (Cl. 18—18.)



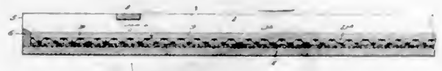
1. An apparatus for re-rubbering worn pneumatic tire covers in which the holding-up of the tire cover in the mould is effected by internal expansion, comprising a mould composed of two parts fitted internally with a removable band bearing in relief the designs or inscriptions to be reproduced upon the tire cover, an extensible annulus placed inside the tire cover and composed of a suitable number of tubular elements having externally the internal contour of the tire cover and being connected to one another in such a manner as to allow each tubular element to move relatively to the adjacent element, and an expanding device adapted to bear against the entire periphery of the annulus and so arranged that after it has been placed in position its ends can be moved apart by a suitable tool in such a manner as to apply the annulus against the entire internal surface of the tire cover.

1,588,101. COLLOCATING GAUGE. ROY ARTY FARNAM, La Grande, Oreg. Filed May 22, 1925. Serial No. 32,110. 2 Claims. (Cl. 33—180.)



1. A gauge for securing the proper clearance between field coils and magnet assembly on a shaft comprising a disc adapted to be bolted to the usual fly wheel securing flange of the crank shaft of an engine, arms connected to the disc and projecting radially from the same, a cylinder mounted in the end of each arm, a graduated plunger slidably mounted in each cylinder, and means for predeterminedly positioning the graduated plunger in projected relation from a cylinder.

1,588,102. CONCENTRATING DEVICE. FOREST D. GOODY, Denver, Colo. Filed Jan. 19, 1925. Serial No. 3,400. 2 Claims. (Cl. 209—485.)



1. A concentrating device, comprising as an essential part the combination of a box having a smooth bottom, a matting of coarsely twisted rope strand burlap, in firm contact with the said bottom and means on the matting for checking the underflow of the water, sand and gravel carrying the values.

1,588,103. MANUFACTURE OF RUBBER AND CORK ARTICLES. RAOUL GRIMOIN-SANSON, Paris, France. Filed Oct. 27, 1924, Serial No. 746,254, and in France Feb. 22, 1924. 6 Claims. (Cl. 106—23.)

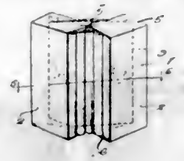
1. A container of the class described comprising a pair of sections each closed except at one side, the walls of the container being resiliently flexible, the open sides of the sections being diagonally disposed, and the sections at their said sides being interfitted with the marginal portions of their rear walls overlapped and united together.

6. A container of the class described comprising a pair of sections closed except at one side, the walls of the container being resiliently flexible, the open sides of the sections being diagonally disposed, the sections at their said sides being interfitted with the marginal portions of their rear walls overlapped and united together, and resilient means disposed within the container tending to occupy a plane regardless of relative movement of the said sections away from each other about their united marginal rear wall portions.

1,588,104. CIGARETTE CONTAINER. GEORGE H. GROSS, Topeka, Kans. Filed Sept. 12, 1924. Serial No. 737,408. 7 Claims. (Cl. 229—7.)

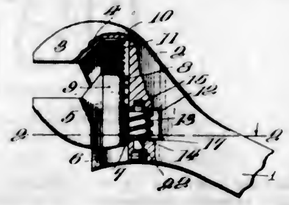
1. A container of the class described comprising a pair of sections each closed except at one side, the walls of

the container being resiliently flexible, the open sides of the sections being diagonally disposed, and the sections



at their said sides being interfitted with the marginal portions of their rear walls overlapped and united together.

1,588,105. WRENCH. PARMLY HANFORD, Springfield, Mass. Refiled for abandoned application Serial No. 325,355, filed Sept. 22, 1919. This application filed Oct. 27, 1924. Serial No. 746,188. 7 Claims. (Cl. 81—165.)



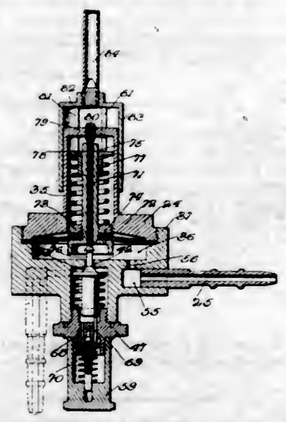
1. A wrench including in combination stationary and movable jaws having working faces, means engaging said movable jaw for adjusting it relative to said stationary jaw, and means tending to move said movable jaw to its extreme open position, said last-named means being operative in a line located between the connection between said movable jaw and its adjusting means and the path of movement of the working faces of said relatively movable jaws.

1,588,106. MAP HOLDER. RUFUS B. HANKS, Wausa, Nebr. Filed May 13, 1925. Serial No. 29,982. 1 Claim. (Cl. 40—85.)

The combination with a windshield rail, a map holder, of a rearwardly extending bead carried by the map holder and engaging under the inner lower edge of the rail and a rearwardly and downwardly extending spring arm carried by the holder and engaging the upper and outer sides of the rail, said rearwardly and downwardly extending members being provided with beaded support receiving slots.

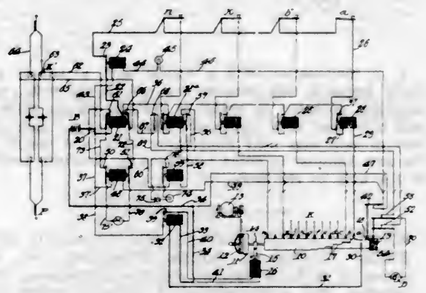
1,588,107. ADJUSTABLE-PRESSURE AIR-SERVICE APPARATUS. WILLIAM A. HARRIS, Greenville, S. C., assignor to G. & H. Tire Chuck Gauge Company, Greenville, S. C., a Corporation of South Carolina. Filed Jan. 31, 1925. Serial No. 6,143. 9 Claims. (Cl. 50—10.)

1. In an air service apparatus, an air controlling mechanism having an air inlet and outlet and a pressure chamber with which the outlet is in open communication, a feed valve normally seated between the inlet and the pressure chamber, a spring actuated diaphragm disposed in and controlled by the pressure within said pressure chamber and movable in one direction by its actuating spring to open the said feed valve, a pressure



actuated audible signal having a pressure feed channel, and a valve controlling said channel and in adjustable connection with the feed valve for simultaneous opening movement therewith whereby the signal is sounded as long as the feed valve is open.

1,588,108. SYSTEM AUTOMATIC SELECTIVE TELEPHONY. RUBEN C. M. HASTINGS, Columbus, Ohio; Elizabeth F. Hastings executrix of the will of said R. C. M. Hastings, deceased. Filed May 24, 1919, Serial No. 299,555. Renewed Nov. 13, 1925. 13 Claims. (Cl. 179—33.)

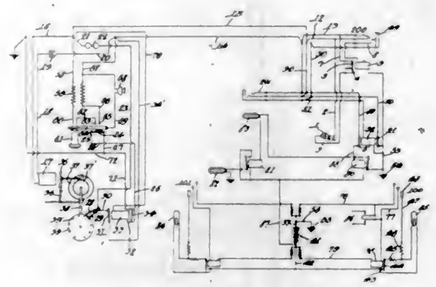


5. In a selective system of telephony for party line telephones, the combination of an exchange and a plurality of sub-stations serially connected for the electrical transmission of intelligence, a lock-out device in each substation, a selecting member at the exchange, a key at the exchange for producing an initial operation of the selecting member, and means set in operation thereby to automatically continue the selecting operation until the called sub-station is connected to the exchange and the uncalled substations are locked out.

1,588,109. TELEPHONE SYSTEM. RUBEN C. M. HASTINGS, Columbus, Ohio; Elizabeth F. Hastings executrix of the will of said R. C. M. Hastings, deceased. Filed July 3, 1920, Serial No. 393,907. Renewed Apr. 12, 1926. 5 Claims. (Cl. 179—85.)

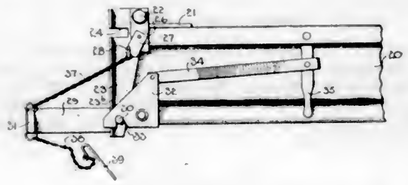
1. A telephone system including an exchange station, a direct current source therein, a substation, a call-

up alarm in the substation, a step-by-step device in the substation, and a switch controlled thereby in circuit with the call-up alarm, whereby upon the insertion of



the plug in the jack at the exchange said switch is closed and the call-up alarm is connected direct to the current source.

1,588,110. TAIL GATE FOR DUMPING BODIES. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Oct. 23, 1922. Serial No. 596,348. 7 Claims. (Cl. 296—51.)



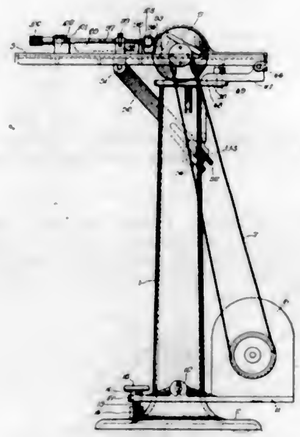
4. In combination with a vehicle body, a pair of pivotally mounted side bars at one end of the body, said barsbeing mounted to swing in vertical planes, slots in said bars near their upper and hinged ends, a gate pivoted to said bars near their lower ends, and means on the gate adapted to enter said slots to facilitate locking of the gate to the bars.

1,588,111. CASTING HAVING SILICON-ALLOY SURFACE. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 30, 1921. Serial No. 465,686. 22 Claims. (Cl. 22—215.)

1. The method of making a ferrous metal casting having a surface strongly resistant to the corrosive action of acids, which comprises coating a surface of the mold in which the casting is to be formed with a mixture of ferrosilicon particles having sizes between 15 and 40 mesh and a binder therefor, hardening the coating, and then introducing into said mold molten ferrous metal at a temperature at which substantially all of the particles of ferrosilicon will dissolve therein.

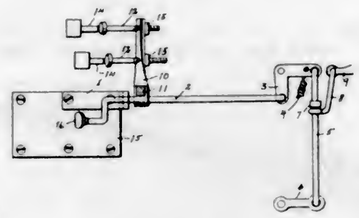
1,588,112. COMPOSING-ROOM SAW. JOHN T. JOHNSEN, Chicago, Ill. Filed Feb. 9, 1921. Serial No. 443,532. 23 Claims. (Cl. 29—69.)

1. A device of the class specified, comprising a rotary cutting element, a driving motor belt connected with said element, a swinging platform pivoted between its ends and carrying the motor at one side of the pivot, and an adjusting screw engaging the platform at the other side of the pivot, and arranged to swing the ends



of the platform vertically by its operation, whereby a substantially balanced arrangement is secured and belt tightening or loosening may be readily obtained by turning the adjusting screw in one way or the other.

1,588,113. ACCELERATOR FOR MOTOR CARS. WILLIAM H. KEMPER, Montgomery, Ala. Filed Dec. 31, 1925. Serial No. 78,535. 2 Claims. (Cl. 74—39.)

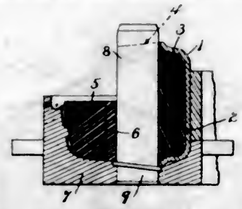


1. In apparatus of the class described, the combination with the gear shift pedals, of a rod arranged to slide backward and forward, a button on said rod adapted to be engaged by the foot of a driver, a side arm secured to said rod, and a rearwardly extended and adjustable rod held by said side arm, and adapted to be engaged by one of the pedals.

1,588,114. METHOD OF MANUFACTURING TIRES. FREDERICK E. KEMPPEL and CARL E. RETT, Akron, Ohio, assignors to Lambert Tire & Rubber Company, Barberton, Ohio, a Corporation of Arizona. Filed Sept. 7, 1922, Serial No. 586,648. Renewed Apr. 29, 1926. 6 Claims. (Cl. 18—55.)

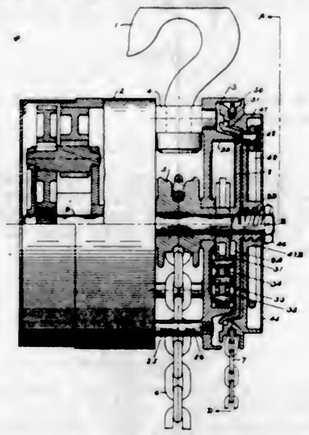
1. A method of manufacturing cushion tires which consists in taking a rim having a surface possessing an affinity for rubber, placing a rim filler or tire base in the

rim, placing the rim with its contents in a vulcanizing mold having a cavity of the desired tire form and capacity, building up the remainder of the tire body by



laying preformed die expressed annular sections of rubber in the mold and lap jointing the ends, closing the mold and vulcanizing the contents while under pressure.

1,588,115. HOISTING BLOCK. JOHN W. KITTREDGE, Akron, Ohio. Filed May 14, 1921. Serial No. 469,457. 22 Claims. (Cl. 254—171.)

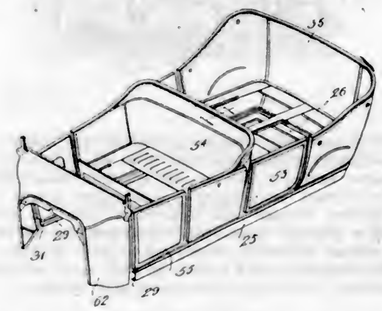


1. In combination, a hoisting block comprising a driving member, a driven member, said driven member adapted to carry a load, a drive connection from said driving member to said driven member, friction members between said driving and driven members adapted to hold the load through friction against backward movement, and friction clutch members between the driving member and the said friction members, the arrangement being such that backward torque upon the driving member causes the clutch members to grip, but that a given forward torque upon the driving member causes the clutch members to release, and means causing the clutch members to grip automatically whenever the torque on the driving member is less than the given torque aforesaid.

1,588,116. CLEANING DEVICE. EDWARD KLINGBEIL, Oak Park, Ill. Filed July 9, 1924. Serial No. 725,055. 1 Claim. (Cl. 15—128.)

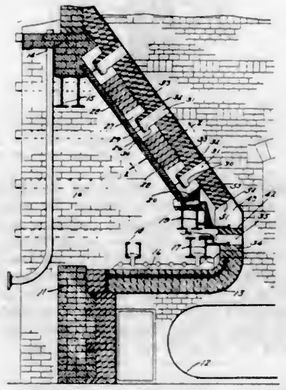
A fountain brush comprising a handle the forward end of the handle having outlet openings and a cone shaped forward end, a member of integral construction having a cone shaped valve seat to cooperate with the forward cone-shaped end of said handle for regulating the water, a flexible tube entirely receiving said member and said cone shaped forward end to protect the same, a brush arranged at the forward end of said tube, said integral member being threaded upon said handle so that upon rotation of said handle relative to said cone shaped valve seat the cone shaped end thereof will approach or recede from said cone shaped valve seat.

1,588,117. CONVERTIBLE AUTOMOBILE BODY STRUCTURE. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 22, 1919. Serial No. 312,486. 3 Claims. (Cl. 296—28.)



1. In combination, a chassis, a body superstructure comprised of a multiple number of subassembly superstructure units adapted to be separately mounted, and a substantially flat body underframe unit interposed between and interconnecting the chassis and the superstructure, and comprised of the main body side sills and interconnecting cross braces from which the principal longitudinal and transverse strength of the superstructure at large is derived.

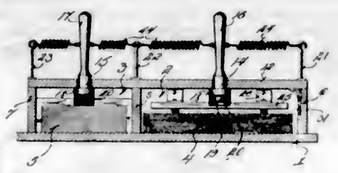
1,588,118. BAFFLE-WALL SUPPORT. MICHAEL LIPTAK, St. Paul, Minn. Filed Sept. 17, 1923. Serial No. 663,109. 5 Claims. (Cl. 110—99.)



1. A baffle wall structure comprising transverse beams, shoes seated on said beams and having oblique upper faces, laterally spaced flanged metal bars seated on the lower ends of said shoes and suitably supported at their

upper ends, back-forming tiles directly supported by said bars, an outer wall built on the oblique faces of said shoes and against said back-forming tiles, and a replaceable inner wall comprising belts of fire bricks and rows of shelf-forming tiles, the latter projecting into said outer wall.

1,588,119. STATIONERY DISPENSER. HUGO LOEWENBACH, Milwaukee, Wis. Filed Apr. 7, 1924. Serial No. 704,739. 2 Claims. (Cl. 211—8.)



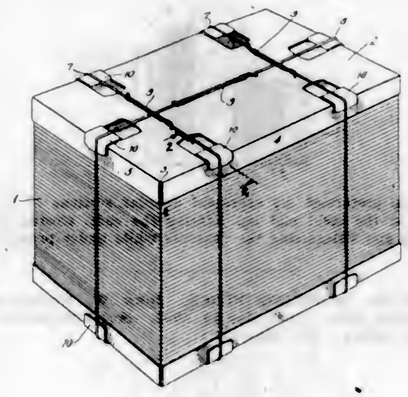
1. A stationery dispensing device comprising a box like member having a movable cover secured thereto, said member having a delivery slot and said cover having a longitudinally extending slot, a normally upright handle projecting through said longitudinal slot and provided with a yielding cup secured to its lower end and adapted to engage stationery carried within said box like member, supporting posts secured to said cover, and springs interposed between said post and said handle.

1,588,120. ELECTRIC COUPLING. THORVALD MAIJGREN, Rochester, N. Y., assignor to Electro Surgical Instrument Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 10, 1923. Serial No. 631,224. 4 Claims. (Cl. 173—328.)

1. An electric coupling embodying a socket member and a plug member receivable therein, the socket member having insulated and conducting portions and the plug member being provided with an interlocking projection that also constitutes one terminal thereof and which has two interlocking positions in one of which it engages the conducting portion of the socket and in the other of which it engages a non-conducting portion and a contact yieldably mounted within the socket and adapted to engage the plug in all positions of the latter.

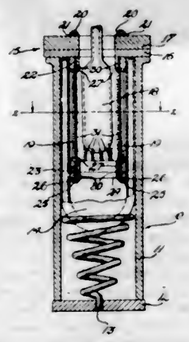
1,588,121. BINDER BOARD. JOHN P. MARKERT, Brooklyn, N. Y. Filed Oct. 6, 1924. Serial No. 741,918. 14 Claims. (Cl. 206—60.)

8. Binder boards for shingle bundles and the like, having flanged edges, and reinforcements for the corners at the points crossed by the binding strands for the bundle, extending across the junctions between the flanges and the



body of the board, said reinforcements formed from the material of the board.

1,588,122. HEATING DEVICE. HENRY ROGERS MASSINGHAM, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,103. 3 Claims. (Cl. 219—19.)



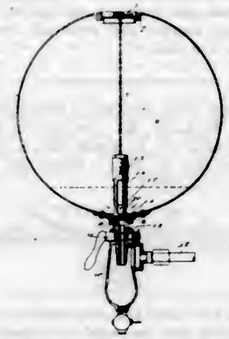
2. A heater for mercury aspirators comprising a resistor formed by a series of helices, said helices equispaced in relationship to each other, and positioned so as to encompass the mercury reservoir of an aspirator, terminals for said resistor, a Dewar vessel, and means for mounting said resistor within said Dewar vessel.

1,588,123. BOTTLE WRAPPER. EDWARD E. MASTON, Chicago, Ill., assignor to Mid-West Box Company, Chicago, Ill., a Corporation of Indiana. Filed Feb. 27, 1922. Serial No. 539,351. 2 Claims. (Cl. 229—90.)

1. A wrapper for bottles and the like comprising a flysheet adapted to extend around a bottle or other article, a cushion board comprising a corrugated sheet and a facing sheet on one side thereof secured to the fly sheet, the corrugated and facing sheets having integral portions respectively to extend around the bottle or article, and

corrugated end flaps integrally formed with the corrugated sheet and foldable transversely thereto, the flysheet being extended to cover the flaps.

1,588,124. FUEL TANK. PLEASANT AUGUSTUS MAY, Dallas, Tex. Filed Feb. 20, 1925. Serial No. 10,691. 1 Claim. (Cl. 158—46.5.)

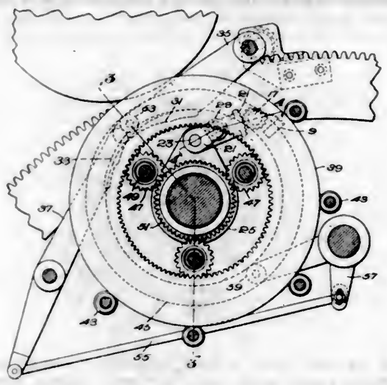


In a fuel tank, means for maintaining a predetermined quantity of fuel in the tank, comprising a sediment bulb having a cylindrical valve cage, removably connected to the sediment bulb at its upper end, said cage being of less diameter than said end of the sediment bulb, and adapted to be connected with the fuel tank, said cage having elongated lateral openings, said tank being provided with a threaded opening, said sediment bulb having threads adapted to be screwed into the threaded opening, a hollow cylindrical valve slidably mounted in said cage and adapted to close said elongated lateral openings to a predetermined height or level, said cage having its upper end internally threaded, a bushing nut held within the said upper end of the cage, said nut having a central bore flared upwardly, a chain connected at one end with said valve, and passing through the flared bore, the other end of said chain adapted to be passed through an opening in the top of said tank located to one side of the vertical plane of the cage, a coiled spring housed in the cage between the valve and the bushing nut, for maintaining the valve upon its seat, the length of the valve determining the level and quantity of reserve fuel retained in the tank after the fuel has been normally drawn off.

1,588,125. SHEET-HANDLING MECHANISM. OTTO C. F. MEISEL, Boston, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed May 6, 1924. Serial No. 711,864. 10 Claims. (Cl. 271—80.)

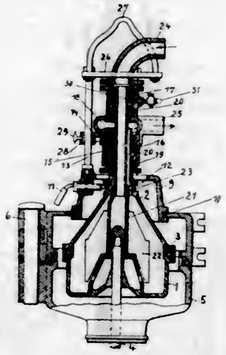
1. In sheet handling mechanism, in combination, a cylinder and its grippers, means for actuating the grippers

at desired times comprising a movable cam and means for shifting the same comprising a follower connected there-



with and a cam cooperating with said follower organized about the axis of the cylinder and comprising an internal gear driven from the cylinder.

1,588,126. CENTRIFUGAL MACHINE. JOHANN FRIEDRICH MEYER, Berlin, HANS LÜCKER, Stade, and CARL SCHMITZ, Oelde, Germany. Filed June 2, 1925. Serial No. 34,463. 8 Claims. (Cl. 233—1.)

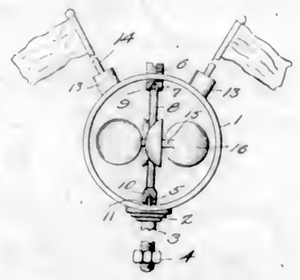


1. In a centrifugal machine in combination, a centrifugal drum, a detachable cover for said drum, a clearing body suspended in the drum, admission means, detachably connected to the clearing body, and eduction means detachably connected to said cover, a surrounding casing for the drum, a detachable cover for the casing, and stuffing boxes for the admission means and the eduction means supported on the casing-cover, and means for selectively and detachably connecting the casing-cover to the cover of the drum, and adapted by the operative insertion of said connecting means to detach the covers with the admission and eduction means and the stuffing boxes as a unit from the drum and the clearing body.

1,588,127. AUTOMOBILE NOVELTY. ALVAH E. MILLER, Somerville, N. J. Filed Aug. 28, 1924. Serial No. 734,819. 1 Claim. (Cl. 46—14.)

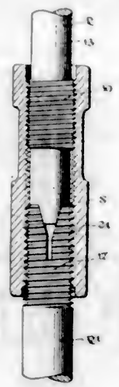
An automobile radiator cap attachment comprising an annulus adapted to be attached to the radiator cap to extend in a vertical plane, a vertically extending pin car-

ried by the inner face of the annulus, an adjustable bearing threaded through the annulus at a point diametrically opposite the pin and provided with a recess



upon its inner face, a rotor including a vertical shaft having a recess in its lower end which loosely receives the pin, the upper end of the shaft being loosely accommodated in the recess in the adjustable bearing.

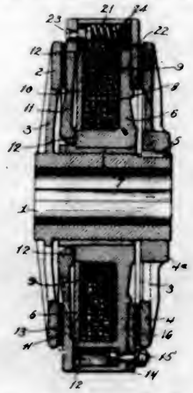
1,588,128. SCREW-THREADED JOINT. GUSTAVUS ALFRED MONTGOMERY, Titusville, Pa. Filed Apr. 18, 1922. Serial No. 554,550. 1 Claim. (Cl. 287—105.)



A joint of the character described, comprising a continuously threaded sleeve and a pair of connected members, one threaded into each end of the sleeve, the threads upon one member being coarser than the threads upon the other member, one of said members having its abutting end provided with a longitudinal slit expanding to provide a V-shaped entrance, and the other member having its abutting end formed with a wedge shaped projection adapted to engage the said expanded entrance and expand the end of the first mentioned member into tight engagement with the threads of the sleeve when brought to engage therewith for the purpose specified.

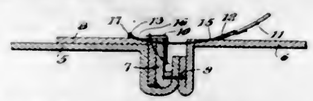
1,588,129. ELECTRIC MACHINE BRAKE. WILLIAM HENRY MORGAN, Alliance, Ohio. Filed Oct. 6, 1922. Serial No. 592,728. 2 Claims. (Cl. 188—171.)

1. In an electric brake of the character described, the combination with a hub, of annular brake shoes rigid with respective ends of said hub, a magnet frame and an armature frame supported by said hub between said brake shoes, a brake lining carried by the armature frame and cooperable with one of said brake shoes, a brake lining carried by the magnet frame and cooperable with



the other brake shoe, compression springs between the magnet and armature frames, and anchor means connected with said magnet and armature frames to prevent rotation of the same.

1,588,130. SEAM FOR SEWED ARTICLES. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Jan. 9, 1924. Serial No. 685,174. 9 Claims. (Cl. 112—267.)

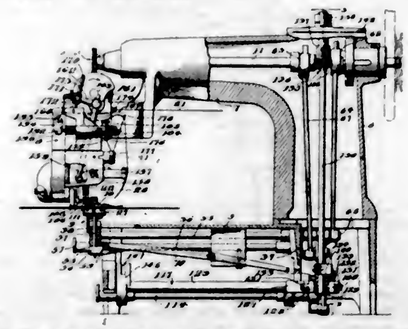


1. In a seam for coats, the combination of a fore-part and a facing of a coat arranged in superimposed relation, the edge portions thereof being inturned and secured by a line of through-and-through stitches, an interlining disposed between said fore-part and facing and secured thereto by said line of through-and-through stitches, and a line of blind stitches connecting only said facing and lining, said blind stitches including a series of equally spaced penetrant keyed needle thread loops entering the inner face of the facing and thence entering and emerging from that face of the lining adjacent the facing.

1,588,131. METHOD OF SEAMING COATS AND THE LIKE. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Feb. 9, 1924. Serial No. 691,637. 7 Claims. (Cl. 112—267.)

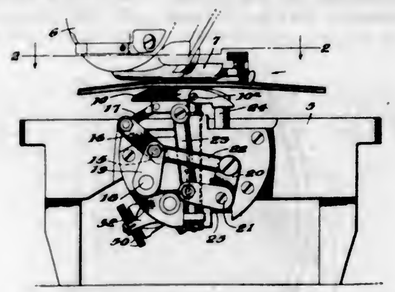
1. The method of joining two fabrics consisting in first seaming the fabric sections in superposed relation by a line of through-and-through stitches adjacent to and parallel to one edge thereof, then folding the fabric sections outwardly on opposite sides of said seam and disposing the seamed edge portion below the horizontal plane containing the sections, and finally joining said fabric sections by a line of stitches directly above said seamed portion while said fabric sections are disposed in said horizontal plane.

1,588,132. BLINDSTITCH SEWING MACHINE FOR FELLING BLUFF EDGES ON COATS. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Feb. 9, 1924. Serial No. 691,638. 24 Claims. (Cl. 112—178.)



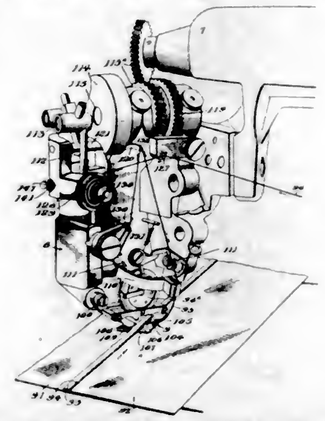
1. In a sewing machine for stitching together the adjacent faces of body fabrics united by a previously formed seam, the combination with a stitch forming mechanism operating entirely above the work and including a reciprocatory needle, of means for intermittently feeding the body fabrics past said stitch forming mechanism while said body fabrics are disposed in a substantially horizontal plane and on opposite sides of said previously formed seam, said needle having its work penetrating movement in a direction across the line of feed, a guide separate from the feed for the previously formed seam disposed below the work, and a vertically reciprocable plunger operating below the work for positioning a node formed from said body fabrics into the path of the needle whereby said needle will penetrate said fabrics on opposite sides of said previously formed seam.

1,588,133. WORK-CRIMPING MECHANISM FOR BLINDSTITCH SEWING MACHINES. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Feb. 14, 1924. Serial No. 692,695. 28 Claims. (Cl. 112—178.)



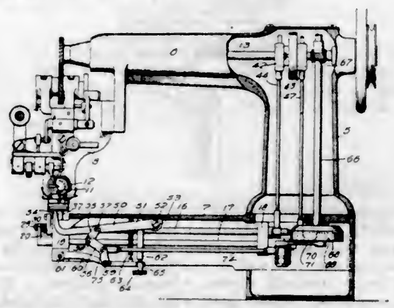
1. In a blind stitch sewing machine, the combination with a stitch forming mechanism including a reciprocatory needle operating in a constant path, of a work presenting mechanism operating below the stitch forming mechanism, a presser foot disposed above the work, a vertically reciprocatory means operating below the work material for upwardly bending the latter in advance of and for each needle penetration, and a stop adjustable vertically relatively to said presser foot and located directly above said bending means and above said material for positively limiting the upward movement of said material bending means to thereby limit the depth of the needle penetration in the material.

1,588,134. INTERMITTENT-TENSION STITCH-FORMING MECHANISM. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Feb. 14, 1924. Serial No. 692,696. 11 Claims. (Cl. 112—177.)



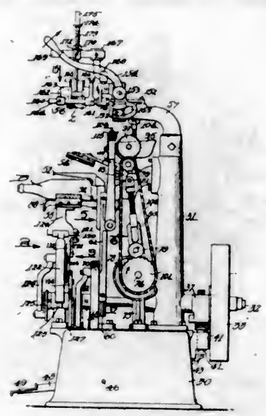
1. In a sewing machine, the combination with a reciprocatory threaded needle and a complemental stitch forming mechanism for forming a series of connected stitches, said mechanism including a rotary hook and a threaded bobbin, of means for rotating said hook, a tension device for the needle thread, and means respectively releasing and restoring said tension device automatically during the formation of alternate stitches whereby said connected stitches will be alternately set loose and tight.

1,588,135. PLUNGER-OPERATING MECHANISM FOR BLINDSTITCH SEWING MACHINES. CHARLES W. MUELLER, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a Corporation of Maine. Filed Oct. 21, 1924. Serial No. 744,983. 10 Claims. (Cl. 112—178.)



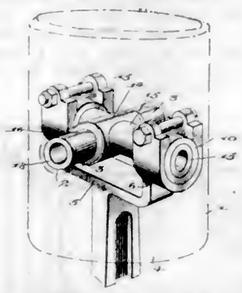
1. In a blind stitch sewing machine, the combination with a frame including a standard, an upper arm and a lower tubular arm, of a stitching head carried by the upper arm, a presser foot fixed to the stitching head and formed with a work receiving opening, an oscillatory plunger lever extending lengthwise within said lower arm and having its inner end pivoted thereto, the free end of the plunger lever being movable into and out of the opening in the presser foot, means for oscillating the plunger lever, and means located between the presser foot and the standard for adjusting vertically the bodily position of oscillation of said plunger lever, said adjusting means being accessible from the underside of the lower arm.

1,588,136. LABELING MACHINE. NELSON MUELAR, Worcester, Mass., assignor, by mesne assignments, to Norman Robinovitz, Worcester, Mass. Filed Sept. 28, 1923. Serial No. 665,441. 14 Claims. (Cl. 216—13.)



1. In a labeling machine, a paste box, a driven roller rotatable therein, a pasting roll, means including a cam and a cam roller to move said pasting roll from paste receiving to paste delivery position and return, means to yieldingly hold said cam and roller in engagement with each other, and means to positively rotate said roll when in contact with said driven roller.

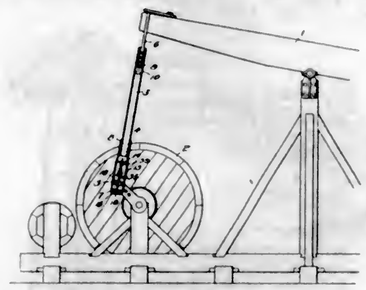
1,588,137. CONNECTING ROD. CHARLES ALBERT MYERS, Tamaqua, Pa. Filed Sept. 8, 1925. Serial No. 55,127. 1 Claim. (Cl. 74—108.)



A connecting rod having a shank formed with a substantially U-shaped upper end portion, each of the arms of said U-shaped upper end portion being bifurcated by a vertical slot, the wall of the lower end portion of said slot being concavely curved, a bushing adapted to fit in said concavely curved portion of the slot, the bushing having a transverse groove in the upper portion of the peripheral wall thereof and the upper end portions of the furcations of said arm having alined openings, and a bolt having a shank extending through said openings and engaging said groove to hold said bushing against turning in said slot.

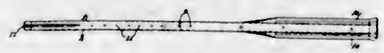
1,588,138. PITMAN. JAMES PETTIGREW NEILSON, Sr., Tulsa, Okla. Filed May 16, 1925. Serial No. 30,751. 7 Claims. (Cl. 287—94.)

1. A pitman for operatively connecting the wrist pin and walking beam of a drilling rig, said pitman being provided at one end with a yoke, and having a plurality of relatively movable wrist pin bearing members slidably mounted on said yoke and adapted to receive the wrist pin between them, and embodying spring means interposed between said yoke and one of said bearing



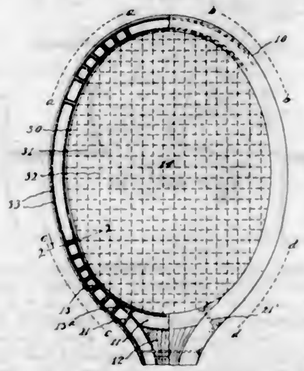
members, and also embodying means cooperating with the other bearing member and with said yoke for releasably retaining said last named bearing member in operative relation to said wrist pin.

1,588,139. GAME FRAME AND METHOD OF MANUFACTURING SAME. HAROLD D. PENNEY, Pelham, N. Y., assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed June 14, 1922. Serial No. 568,343. 24 Claims. (Cl. 273—73.)



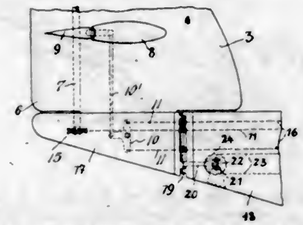
22. A racket formed of a metal frame having handle and body portions, the frame prior to stringing being under a tension tending to separate the sides of the body portion.

1,588,140. REENFORCED GAME FRAME. HAROLD D. PENNEY, Pelham, N. Y., assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Feb. 16, 1923. Serial No. 619,413. 16 Claims. (Cl. 273—73.)



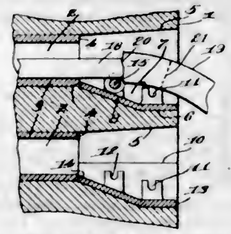
1. A racket comprising a head portion having transverse holes through the frame provided with annular rabbets at their mouths, a net for the head portion, and bushings in said holes for passage of the strings of the net therethrough, the bushings having flanged end portions engaging in said rabbets.

1,588,141. FLYING MACHINE. ADOLF ROHRBACH, Charlottenburg, Germany. Filed Mar. 24, 1924. Serial No. 701,496, and in Germany Apr. 27, 1923. 19 Claims. (Cl. 244—29.)



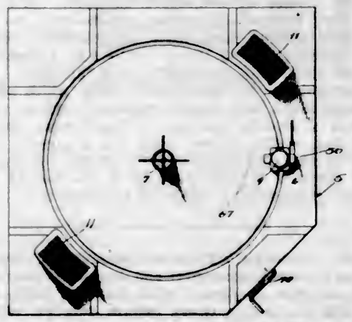
1. In a flying machine of the character described, the combination with the hull of a tail-plane unit comprising a vertical fin with a vertical rudder movably secured to the rear of the fin and a horizontal tail-plane and elevator, the vertical fin being pivotally mounted to swing around a vertical axis at the rear of the hull, and means for swinging the tail-plane unit around said axis.

1,588,142. ANTIFRICTION CABLE SUPPORT FOR HEAVY-DUTY POWER CABLES. FRANKLIN L. ROHRBACH, Spokane, Wash. Filed July 12, 1922. Serial No. 574,894. 4 Claims. (Cl. 247—4.)



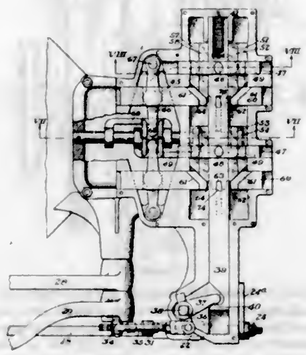
1. A cable conduit having a lower portion of its manhole end cut away, a roller housing shaped to form a contiguous extension of said cut away portion and being disposed inside or at least flush with the wall of the man hole, and a roller rotatably mounted in said housing in supporting relation with the downwardly drooping portion of the cable extending into the manhole.

1,588,143. PURSUIT TOY. JOSEPH A. ROSS, Nanticoke, Pa., assignor of one-half to William L. Delaney, Sheatown, Pa. Filed Dec. 28, 1923. Serial No. 683,219. 11 Claims. (Cl. 46—40.)



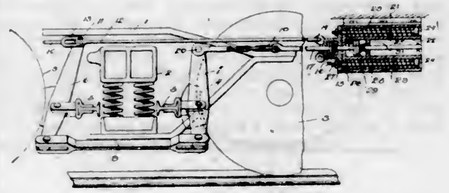
7. In a toy, a fleeing figure, a pursuing figure, means for successively moving the figures to cause the pursuing figure to catch up on the fleeing figure and then the fleeing figure to outdistance the pursuing figure and means for turning the fleeing figure when the pursuing figure catches up with the same.

1,588,144. GEAR-SHIFT MECHANISM. JOHN F. RUNKLE, Pittsburgh, Pa., assignor to The Runkle Automatic Gear Shift Corporation, Pittsburgh, Pa., a Corporation of Delaware. Filed Sept. 18, 1920. Serial No. 411,174. 30 Claims. (Cl. 74—58.)



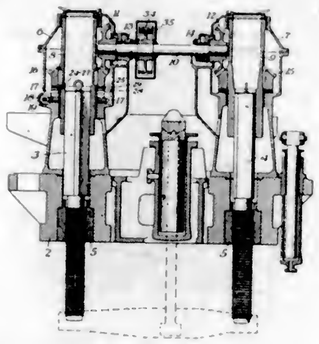
1. In an automotive vehicle, a clutch, means for operating the clutch, a transmission including gears for affording a plurality of speeds forward and a reverse speed, mechanical means controlled by the clutch operating means for shifting the transmission gears, said mechanical means comprising a plurality of two-part sliding cam members, there being one part of each cam for each shift position and one part for each gear for returning a shifted gear to neutral position, means forming an operative gear shifting connection between said two-part cam members and the transmission gears, and means for operating said cams for determining the gears to be shifted, substantially as described.

1,588,145. SLACK ADJUSTER. WILLIAM H. SAUVAGE, New York, N. Y., assignor, by mesne assignments, to The Gould Coupler Company, a Corporation of Maryland. Filed May 17, 1924. Serial No. 714,166. 5 Claims. (Cl. 188—199.)



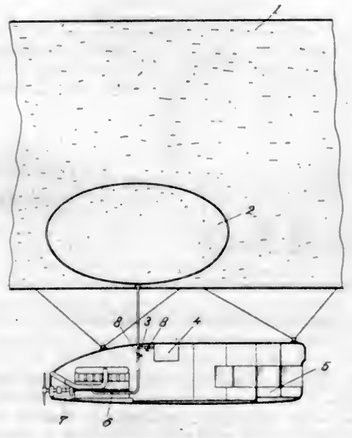
1. In a device of the character described, in combination, brake levers, a permanent take up and holding device associated therewith, comprising a holding rod, a take up dog co-acting with said holding rod, a temporary dog acting upon said rod and freely movable relative thereto on excess travel of the brakes, and two springs of substantially equal tension adapted to be compressed on excess travel and to move the take up rod relative to the permanent take up dog when the brakes are released.

1,588,146. SCREW DOWN FOR ROLLING MILLS. OSCAR L. SCHLUMPF, Sewickley, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1924. Serial No. 744,171. 5 Claims. (Cl. 80—56.)



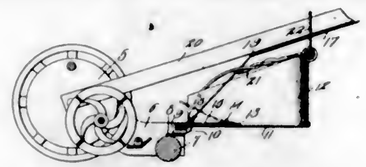
5. In a screw-down for rolling mills, a pair of screws, a sleeve slidably keyed to the upper ends of the screws, a bevel gear on each sleeve, one of the bevel gears being slidably keyed to the sleeve on which it is carried, a transverse drive shaft having pinions thereon for engagement with the respective bevel gears, a non-rotatable support for the slidably keyed gear having a cam element on its lower face, a rotatable cam member under the support cooperating therewith, and means for rotating the cam member, including a worm gear, substantially as described.

1,588,147. AIRSHIP. PAUL SCHRÖDER, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Filed Dec. 15, 1925, Serial No. 75,489, and in Germany Dec. 30, 1924. 6 Claims. (Cl. 244—3.)



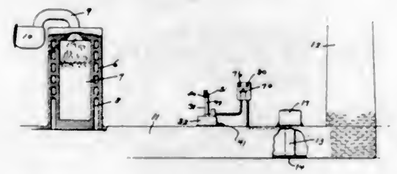
1. An airship comprising a gas bag containing ordinary lifting gas; a gas bag containing lifting gas dissolvable in water; a receptacle containing water; and means for bringing said second gas into contact with said water.

1,588,148. GRASS PACKER. WASHINGTON I. SCHRIVER, Prophetstown, Ill. Filed May 2, 1923. Serial No. 636,162. 1 Claim. (Cl. 56—199.)



In a device of the character described, a receptacle including a bottom and side members, said bottom extending to a point beyond the forward edges of the side members, a transversely disposed bar secured to the bottom, a plate, hinges for connecting the plate to the bar, said plate being of a width to extend beyond the forward edge of the bottom, and adapted to normally lie flat on the bottom, means connected with the plate for moving the plate upwardly, and means for securing the device to a lawn mower.

1,588,149. COKE-PRODUCING-OVEN REGULATOR. WILMER M. SHALLCROSS, Milwaukee, Wis., assignor to Shallcross Control Systems Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 27, 1922. Serial No. 590,890. 5 Claims. (Cl. 236—15.)



2. In an apparatus of the character described, a gas conveying conduit, a valve member therein for controlling the flow of gas through the conduit and consequently the pressure therein, a motor for actuating the valve member and means for actuating the motor at a speed in proportion to the change of pressure in the conduit to be corrected.

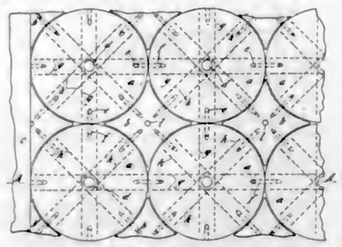
1,588,150. PAINT. GEORGE A. SHINE, St. Louis, Mo. Filed June 3, 1925. Serial No. 34,727. 2 Claims. (Cl. 134—54.)

1. The process of manufacturing paint which comprises devulcanizing old rubber and heating the same until fused, mixing therewith a suitable fossil resin in fused condition, adding thereto while hot, a rubber solvent, and thoroughly commingling said substance.

2. The process of manufacturing paint which consists in devulcanizing and fusing reclaimed rubber, mixing therewith a suitable quantity of fused resin and hydrated lime, adding thereto while hot a suitable rubber solvent thinner and finally adding to the thinned mixture a quantity of zinc sulphate in an amount equal to about 10 percent by weight of the mixture.

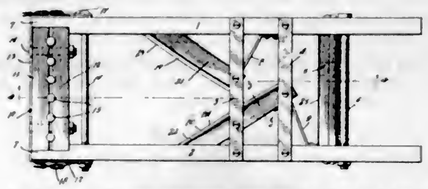
1,588,151. CONSTRUCTION OF ROADS AND PATHS. JAMES ERNEST SPAONOLETTI and ALFRED STUART GRUNSPAN, London, England. Filed July 14, 1921, Serial No. 484,712, and in Great Britain July 27, 1920. 7 Claims. (Cl. 94—12.)

1. A concrete construction including juxtaposed sections and means to key adjacent portions of said sections together including oblique registering holes formed in the marginal portions of each section and opening into the upper face of one and the lower face of



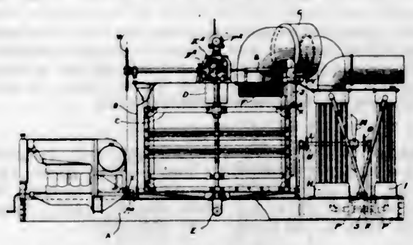
an adjacent section, and dowels removably arranged in said holes adapted to be driven through from one face to the other of said construction.

1,588,152. ROAD DRESSER. RICHARD A. WAMMACK, Centerton, Ark., assignor of seven-tenths to E. H. Fair, Centerton, Ark., trustee for E. H. Fair Company. Filed July 21, 1923. Serial No. 652,966. 2 Claims. (Cl. 37—145.)



1. A road dressing machine comprising lateral spaced bars having their forward ends cut away, a pair of bars having their ends positioned in the cut away portion, said bars having aligning cut away portions, teeth positioned in the cut away portions, bolts extending through the bars for clamping the bars into close engagement with the teeth and holding the teeth against movement, and leveling members operating at the rear of the bars.

1,588,153. GAS-MANUFACTURING MACHINE. CLARENCE F. ADAMS, Dayton, Ohio. Filed Jan. 11, 1922. Serial No. 528,546. 8 Claims. (Cl. 23—282.)

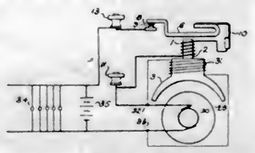


1. In a gas manufacturing apparatus, a receiving container for chemical solid reagents, said container being provided with a valve regulated hopper, a grinder ring mounted in said container below said hopper, and a grinder disc adapted to rotate against the lower face of said grinder ring for the purpose of grinding said solids, said grinder ring having its upper and lower inner faces beveled inwardly, and said grinder disc having its upper face beveled to correspond with the lower face of said grinder ring, a gas generator provided with a mixing chamber and controllable means for discharging the product of the grinding apparatus directly into the mixing chamber.

1,588,154. MEANS FOR SINKING BOREHOLES. EMIL ALBRECHT, Kiel, Germany. Filed Aug. 31, 1921, Serial No. 497,421, and in Germany June 4, 1917. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.) 6 Claims. (Cl. 255—1.)

1. The combination with a bore-rod of a hole-correcting device comprising a hollow member with a slanting surface adapted to deflect a drill, a hollow body attached to the said member, a partition separating the hollow spaces in the said member and in the said body from each other, fixing material in the hollow member for immovably fixing the hole-correcting-device in a borehole at a point where the direction of the hole is to be corrected, the walls of the cylindrical body being pervious to the said fixing material, and means for opening a passage for the fixing material through the said partition and the said pervious walls into the bore-hole.

1,588,155. ELECTRICAL REGULATOR. CARL G. HARRY ANDERSON, St. Louis, Mo. Filed June 29, 1923. Serial No. 648,473. 10 Claims. (Cl. 171—313.)

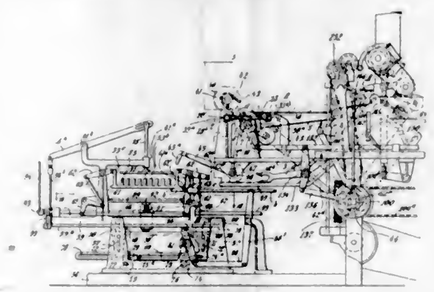


1. In combination with a direct current generator connected to a load across which is connected an electric battery of a polarity opposed to the normal polarity of the generator, an extension of pole-piece of said generator in the magnetic field of the pole-piece, a coil about said extension and connected in series with said load, a relay armature in operative relation to said extension, contact points carried by said armature and electrically in series with said coil and said load, and a spring tending to move said armature to open said contact points.

1,588,156. PACKING MACHINE. ERNEST D. ANDERSON, New York, N. Y. Filed Nov. 28, 1925. Serial No. 71,971. 19 Claims. (Cl. 226—16.)

1. A machine of the character described comprising means to position articles bearing designations successively with their designations in a definite position with respect to their final position of deposit, means to deposit said articles with their designations in position to be observed, and means to move a series of deposited articles from one level to another level to receive a second row of articles upon the first row with their designations in position to be observed.

19. A machine of the character described comprising means to position articles bearing designations with their designations in a definite position with respect to their final position of deposit, gripping means to receive said articles and deposit them successively with designations in position to be observed, a receiver for the articles open at the top and bottom and provided with means to retain the articles suspended therein, a pair of spaced racks connected with the receiver, a gear adapted to mesh with said racks alternately, means to move one rack out



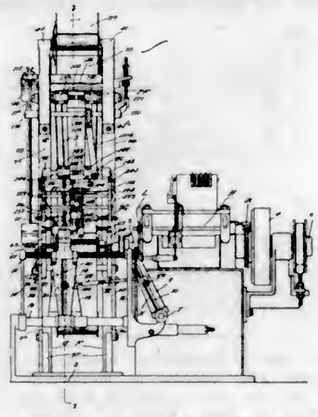
of mesh and the other rack into mesh with said gear, and vice versa, means to rotate said gear step-by-step, said receiver being connected with the racks to be moved therewith from one level to another for receiving first one row of articles and then another row of articles thereon during corresponding travel of the receiver, a platform movably supported below the receiver to be moved toward and from the same with a box thereon, and means to move the platform toward and from the receiver at will.

1,588,157. FLOOR-POLISHING MACHINE. CHESTER H. BEACH, Racine, Wis., assignor, by mesne assignments, to S. C. Johnson & Son, Racine, Wis. Filed Aug. 15, 1925. Serial No. 50,415. 3 Claims. (Cl. 15—49.)

1. A floor polishing machine comprising a single cylindrical brush rotating on a horizontal axle and supporting the machine from the floor, a handle connected by side bars to said axle on each side of said brush and free to pivot vertically thereon, a motor carried by said side bars and arranged between said brush and said handle and substantially in alinement therewith, and a driving belt connecting said brush and said motor on each side thereof.

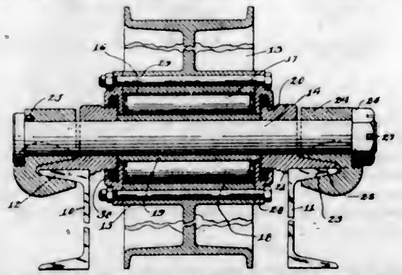
1,588,158. WINDING MACHINE. ERNEST A. BOHLMAN, Chicago, and EMIL J. NIELSEN, Oak Park, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 1, 1923. Serial No. 672,035. 14 Claims. (Cl. 242—10.)

1. In a winding machine of the character described comprising a winding spindle, a reciprocating carriage including guiding means for laying the strand in successive layers, driving means for rotating said winding spindle, paper feed mechanism for delivering sheets of paper to said winding spindle, a shaft, clutch mechanism associated with said shaft, means for transmitting motion to said shaft and means under the control of said recipro-



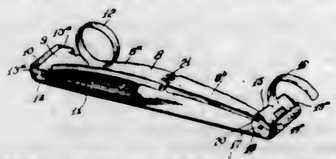
cating carriage for operating said clutch mechanism to engage said shaft to operate said paper feed mechanism at predetermined intervals.

1,588,159. ADJUSTABLE IDLER STRUCTURE. JOHN F. BOLGIANO, Dayton, Ohio. Filed Sept. 21, 1923. Serial No. 664,125. 9 Claims. (Cl. 308—39.)



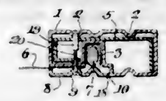
1. The combination of a pair of spaced flange frame members, a wheel mounted between said frame members to be adjusted longitudinally relative thereto, a bolt for carrying said wheel, bearing blocks at the opposite ends thereof supported on said frame members, a sleeve on said bolt serving to space said bearing blocks, and clamping means on the opposite ends of said bolt forming a wedge with said blocks to secure said bearing blocks on said frame members when said bolt is drawn up.

1,588,160. POLISHING IMPLEMENT AND POLISHING STRIP THEREFOR. PHILIP C. P. BOOTY, Chicago, Ill., assignor, by mesne assignments, to Leslie W. Fricke, Oak Park, Ill. Filed July 21, 1922. Serial No. 576,485. 20 Claims. (Cl. 132—78.)



17. Polishing means comprising a strip of velvety, pliant, buffing material, and a strip of non-resilient, pliant and relatively non-stretchable fabric, one of said strips having on one side a coating of adhesive against which the other strip is pressed to unite the two strips.

1,588,161. METAL FRAME FOR WINDOW SCREENS. JAMES H. BOST, Charlotte, N. C. Filed Dec. 29, 1925. Serial No. 78,204. 4 Claims. (Cl. 156—14.)

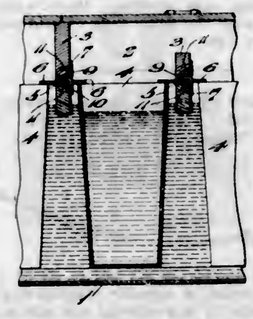


1. In metal frames of the class described, the combination of hollow metal outer frames, inner angle frames snugly fitting in the outer frames, the outer frames having longitudinal depressions to frictionally engage the angle frames, the outer frames having an approximately U-shaped recessed portion extending longitudinally of the frame and adapted to receive a portion of the wire screens, screen-securing elements seatable in the recessed portions to frictionally hold the wire screen in place, metal strips engageable over the screen securing elements and wire screen, said strips having a longitudinal depression to frictionally engage the wire screen, the outer metal corners of suitable size to and frictionally engageable over the corners of the frames, and springs attached to one side of the metal frames to resiliently and frictionally hold the screens in place in channel guides on the windows.

1,588,162. TRANSFORMER. BURKE BRADBURY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 27, 1922. Serial No. 547,001. 4 Claims. (Cl. 171—119.)

2. A radio frequency transformer comprising a pair of coils having similar characteristics, said coils having appreciable capacity between turns, an open core for said coils made up of thin laminations of magnetic material and means for short circuiting such portions of each of said coils that the impedance of the portions to be short circuited will be greater than that of the remaining portions.

1,588,163. ATTACHMENT FOR BRINE TANKS. WILLIAM BROWNLOW, Lawndale, Pa. Filed Jan. 29, 1924. Serial No. 689,239. 3 Claims. (Cl. 292—202.)

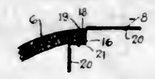


1. As a new article of manufacture, a turn button comprising a plate adapted for vertical attachment, said plate having extended therefrom at right angles thereto an elongated horizontally arranged support, said support extending beyond said plate on one side thereof, and a thin, flat, horizontally arranged button pivoted to one side of the side extension of said support.

1,588,164. PROCESS OF PRESERVING ARTICLES. JOSEF BRUNNER, Vienna, and ERICH SCHEELE, Brunn am Gebirge, Austria. Filed Feb. 28, 1925. Serial No. 12,325, and in Austria Nov. 14, 1923. 6 Claims. (Cl. 35—12.)

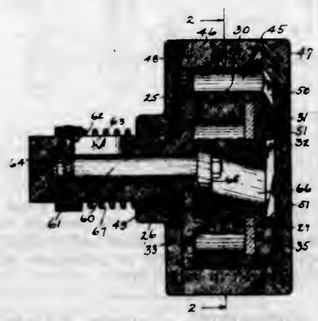
1. A process of preserving physiological specimens, which consists in embedding the specimens in an artificial aldehyde resin.

1,588,165. BAG FRAME. HERMAN BURCHESS, New York, N. Y. Filed Apr. 18, 1925. Serial No. 24,038. 3 Claims. (Cl. 190—49.)



2. In a bag of the nature described, a bag frame member of comparatively soft material, a top wall having a reinforcement integral therewith, a step of a single thickness of material integral with and depending from the top wall, said step providing a stitching surface to which the material of the bag is adapted to be directly secured by a row of stitching, and a wall bent back upon itself integral with and depending from said step.

1,588,166. HYDRAULIC CLUTCH. HAROLD CAMINEZ, Dayton, Ohio. Filed Dec. 9, 1920. Serial No. 429,342. 16 Claims. (Cl. 192—58.)

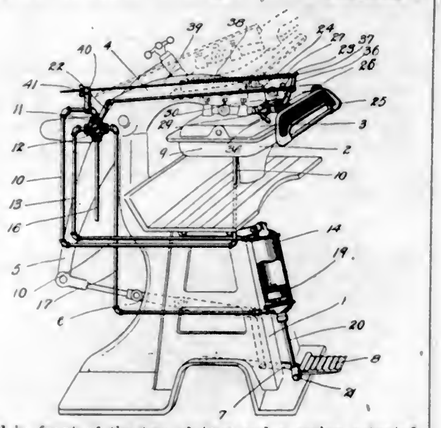


1. In a hydraulic clutch, a single driving member, a single driven member, one of said members enclosing the other thereof so as to form two symmetrical chambers, means for moving one member relative to the other for varying the symmetry of said chambers, and a single wall slidably engaged in the inner member and slidable on the walls of the outer member for further dividing each of said chambers into geometrically similar chambers.

1,588,167. CLOTHESPRESS ATTACHMENT. JOHN E. CAPS, Wilmette, Ill. Filed Nov. 9, 1923. Serial No. 673,754. 7 Claims. (Cl. 192—131.)

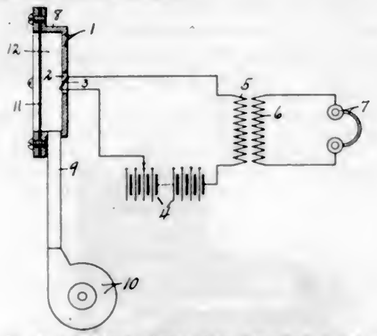
3. A clothes press comprising two platens, a steam actuated power mechanism for bringing the two platens

together in pressing position, means for feeding steam to the power mechanism including a control comprising a



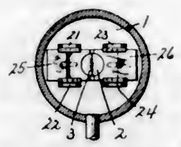
guard in front of the two platens and a spring actuated means for normally urging the two platens in spaced relation.

1,588,168. MICROPHONE. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed July 18, 1923. Serial No. 652,281. 12 Claims. (Cl. 179—101.)



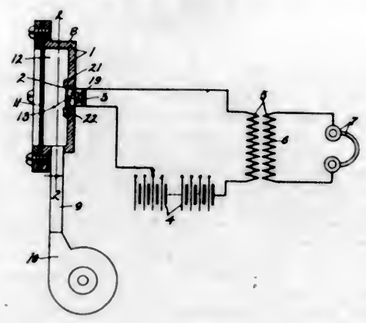
1. In an apparatus of the class described, a gas chamber, means for supplying gas under pressure to said chamber, an outlet from said chamber, and a member that varies its electrical conductivity in accordance with its temperature arranged in said outlet.

1,588,169. MICROPHONE. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory Inc., Auburn, N. Y., a Corporation of New York. Filed Sept. 27, 1923. Serial No. 665,136. 5 Claims. (Cl. 179—101.)



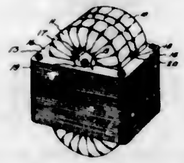
2. In an apparatus of the class described, the combination with a passageway for a forced current of gas, of a member exposed to the gas escaping through said passageway, means for heating said member, and means for varying the area of said passageway.

1,588,170. METHOD AND APPARATUS FOR TRANSLATING SOUND WAVE VARIATIONS. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation. Filed Nov. 2, 1923. Serial No. 672,324. 6 Claims. (Cl. 179—101.)



1. In an apparatus of the class described, the combination with a passageway for a forced current of hydrogen, and means for causing hydrogen under pressure to flow through said passageway of a member that varies its electrical resistance in accordance with its temperature exposed to the hydrogen escaping through said passageway.

1,588,171. TRANSFORMER. RALPH H. CHADWICK, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Sept. 11, 1925. Serial No. 55,831. 2 Claims. (Cl. 175—356.)

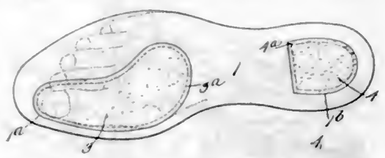


1. A transformer including a magnetic core having a winding leg and two outer legs, yokes connecting said legs, the ends of said winding leg being disposed in notches in the inner faces of said yokes, a primary winding surrounding one end and a secondary winding surrounding the other end of said winding leg, and magnetic members integral with said winding leg and disposed between said windings, there being non-magnetic gaps between the outer ends of said members and said outer core legs.

1,588,172. BELT BUCKLE. RAYMOND TERRY CROCKER, Berkeley, Calif. Filed Nov. 20, 1924. Serial No. 751,179. 4 Claims. (Cl. 14—201.)

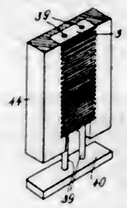
4. In combination, a metallic plate having a slot at each end thereof, a belt having one end formed in a hook adapted to engage one of said slots, a sleeve slidably mounted on said belt adjacent said end to prevent accidental disengagement of said hook from said slot, and means to secure the other end of said belt to the other of said slots.

1,588,173. INSOLE FOR SHOES. DAVID P. CUMMINGS, Newton, Mass., assignor to Turf Tread Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1925. Serial No. 2,645. 7 Claims. (Cl. 36—44.)



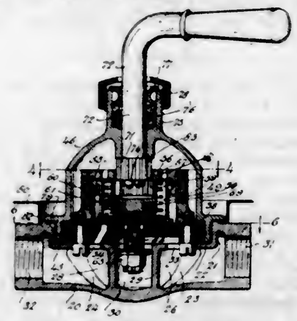
1. A shoe bottom provided on its interior with a layer of textile fabric formed with closely arranged pile threads whose cut ends, projecting upwardly from the shoe bottom, form a multiplicity of foot-contacting spines to yieldingly support a superimposed foot, substantially as described.

1,588,174. METHOD OF MAKING FIN-TUBE HEAT EXCHANGERS. EDWARD A. DEWALD, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a Corporation of Delaware. Filed May 24, 1924. Serial No. 715,666. 13 Claims. (Cl. 113—116.)



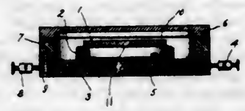
1. The method of making fin tubing which comprises stamping the individual fins out of the raw material, collecting and assembling said fins in closely adjacent relation as they are stamped out, and then threading the collected and assembled fins in proper relation as a unit upon the tubing.

1,588,175. MIXING VALVE. GROVER S. EBLE, New York, N. Y., assignor to Fritz Ziegler, jr., New York, N. Y. Filed Oct. 26, 1922. Serial No. 596,957. 9 Claims. (Cl. 277—18.)



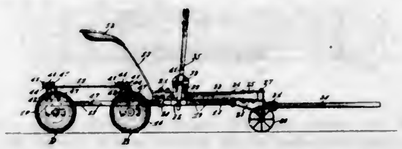
2. In a device of the character described, a valve casing having a chamber with two inlets for the admission of different fluids and an outlet, a movable valve member controlling one of said inlets, a separately movable valve member controlling the other inlet and opening in the same direction as the first-named valve member, and held seated by the pressure of the first-named valve member when the latter seals the inlet it controls, means for operating the first-named valve member, means for keeping said second-named valve member seated while the first-named valve member moves to a certain distance from its seat, relieving means, operated simultaneously with the movement of said first-named valve member beyond such distance from its seat, for stopping the valve-seating action of said holding means, and a third valve member, connected to share the motion of the first-named valve member toward and from the inlet controlled thereby, and arranged to seat on the side of the inlet opposite to the side on which the first-named member seats, the distance between the first and third valve members, and the distance between their seats, being so proportioned that the third valve member will become seated only some time after both the first and the second valve members have become unseated.

1,588,176. PIEZO-ELECTRIC DEVICE. ALVARADO L. R. ELLIS, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 14, 1925. Serial No. 43,630. 3 Claims. (Cl. 171—327.)



3. The combination of a pair of electrodes formed of wire gauze, and a piezo-electric oscillator interposed between said electrodes.

1,588,177. TANDEM-COUPLED DISK HARROW. EDDY WARREN ELROD, Lafontaine, Kans. Filed Apr. 10, 1925. Serial No. 22,170. 2 Claims. (Cl. 55—83.)

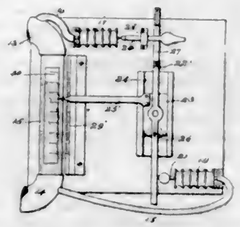


1. In a harrow of the character set forth, a center beam, draft means pivotally connected thereto, a pair of substantially J-shaped members having the free ends of the curved portions secured in end opposed relation to said beam and having the shank thereof directed rearwardly in divergent relation, a plurality of multiple disk units positioned rearwardly of said beam and arranged in tandem beneath and centrally transversed by the shank of each member, means for pivotally connecting each unit intermediate its ends to the adjacent overlying shank, a connecting member extending across the rear of said beam and secured at its ends to said shank adjacent the point of merger of the shank with said curved portion, an actuating bar common to and pivotally connected to the inner ends of each of the tandem units, means carried on said beam and connected to each bar for controlling the same, a beam overlying and extending longitudinally of each of the units, and bars pivotally connecting the ends of said overlying beams of each tandem unit together.

1,588,178. INSTRUMENT FOR INDICATING BOTH AIR SPEED AND ANGLE OF INCIDENCE OF AN AEROFOIL. ELISHA N. FALES, Lake Forest, Ill. Filed Mar. 9, 1922. Serial No. 542,424. 6 Claims. (Cl. 265—23.)

1. An instrument of the class described for airplanes comprising, an air speed indicating device, mechanism

for indicating changes in the angle of incidence of a wing of the airplane, and means operatively connecting



said mechanism to said device in such a manner as to affect the indications thereof in accordance with movement of said mechanism.

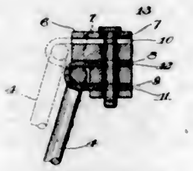
1,588,179. LEADING-IN WIRE FOR GLASS VESSELS. ERNST FRIEDERICH, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y., a Corporation of New York. Filed Aug. 30, 1921, Serial No. 496,943, and in Germany Feb. 10, 1916. 4 Claims. (Cl. 176—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

3. A lead-in wire consisting of an alloy of iron with tungsten having a coefficient of expansion within close range of the coefficient of expansion of glass.

1,588,180. ELASTIC MATERIAL. WARREN H. FROST, Long Beach, Calif. Filed Nov. 18, 1925. Serial No. 69,805. 11 Claims. (Cl. 139—421.)

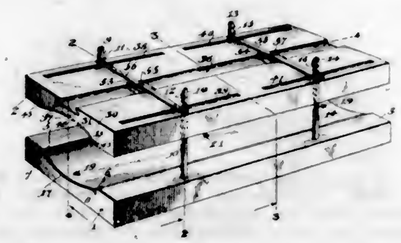
1. An elastic material comprising a coil spring, means to limit extension of the spring, and a flexible sheath enclosing said spring and having transversely extending members of greater width than the spaces between adjacent coils of the springs when the springs are extended to the limit determined by said means.

1,588,181. BRAKE-HANGER SUPPORT. FREDERICK S. GALLAGHER, deceased, late of Yonkers, N. Y., by Sadie E. Gallagher, executrix, Yonkers, N. Y. Filed Feb. 19, 1925. Serial No. 10,348. 3 Claims. (Cl. 188—206.)



1. In a railway truck, the combination of a truck frame provided with wheels, a hanger supporting a brake at its lower end, and means for attaching the upper end of the hanger to said frame in a plurality of fixed positions varying both vertically and horizontally with relation to the truck, whereby the position of said brake may be varied to compensate for wear on the truck wheels.

1,588,182. ELECTRICAL THERAPEUTIC DEVICE. TIMOTHY T. GIBSON, Middlesboro, Ky. Filed Aug. 6, 1925. Serial No. 48,584. 4 Claims. (Cl. 174—89.)



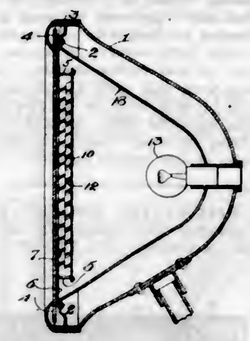
1. An electrical therapeutic device comprising a pair of superposed contact elements each including a plate of conducting material secured to a non-conducting body and each further including a conductor strip carried by said body and in electrical contact with a plate, said plates opposing each other, said elements further provided with coacting means for maintaining one of said elements in adjusted position relative to the other, and circuit forming means connected with the said strips.

1,588,183. ELECTRIC-LIGHTING FIXTURE. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed May 4, 1921. Serial No. 466,691. 2 Claims. (Cl. 173—330.)

1. A device of the character described comprising a wall plate having an ornamental front face and a forwardly extending chambered portion provided with an aperture, tubular arms carrying lighting fixtures secured to the upper portion of the chambered portion and opening thereinto, an electric outlet fixture arranged behind said aperture and adapted to receive a plug inserted into said aperture and a closure having an ornamental face attached to the plate above the aperture and concealing said aperture when the plug is not in the outlet fixture.

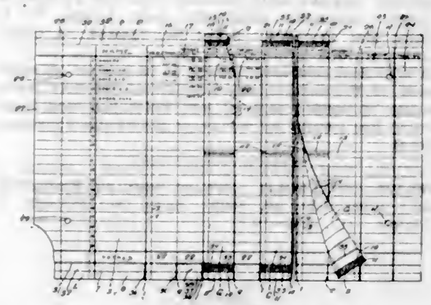
1,588,184. ANTIGLARE ATTACHMENT FOR HEADLIGHTS. HARRY L. GORDON, New York, N. Y. Filed Sept. 15, 1925. Serial No. 56,500. 5 Claims. (Cl. 240—48.4.)

5. In an antiglare attachment for headlights, the combination of a pair of vertically positioned plates provided only on their inner faces with inwardly extending blades, spacing elements provided with shoulders between



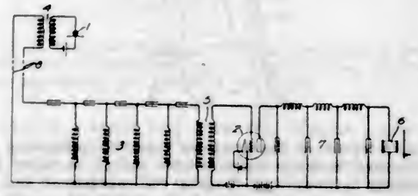
said plates, and said shoulders of the spacing elements bearing against the inner face of one of the plates, whereby the blades are retained in a spaced position.

1,588,185. ACCOUNTING SHEET. FREDERICK W. GROBY, River Edge, N. J., assignor to Underwood Typewriter Company, a Corporation of Delaware. Filed Feb. 28, 1919. Serial No. 279,679. 9 Claims. (Cl. 283—66.)



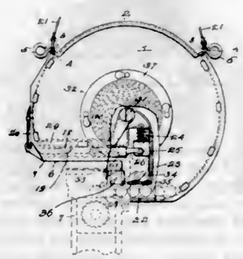
1. A sheet of the class described having a "pick-up" strip attached thereto, said sheet having a removable portion to which the "pick-up" strip is connected and by the removal of which the "pick-up" strip may be disconnected.

1,588,186. TRANSMITTING ELECTRICAL ENERGY. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,273. 9 Claims. (Cl. 178—44.)



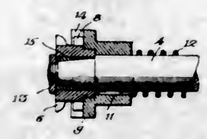
1. A system comprising a high-pass filter and a low-pass filter having approximately the same cut-off frequency, and a rectifier connecting said filters.

1,588,187. HOPPER FEED BOX FOR MACHINE GUNS. HERBERT O. RUSSELL, Santa Ana, Calif., and CHARLES L. PAULUS, Dayton, Ohio. Refile of abandoned application Serial No. 535,421, filed Apr. 18, 1922. This application filed Nov. 16, 1925. Serial No. 69,537. 4 Claims. (Cl. 89—33.)



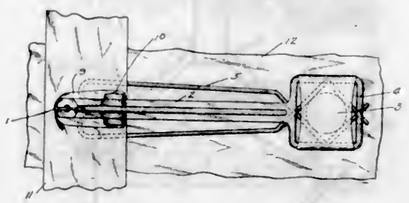
1. A machine gun having a guideway extending transversely thereof, in combination with a hopper feed box adapted to be connected to and disconnected from the gun by movement along said guideway, a gate controlling the cartridge outlet of said box, and cam operated means for opening said gate as the box is slid into operative relation to the gun.

1,588,188. STITCH REMOVER. MEGERDICH SAMUELIAN, Fresno, Calif., assignor of one-half to Perry M. Heard, Fresno, Calif. Filed June 19, 1922. Serial No. 569,472. 2 Claims. (Cl. 12—17.)



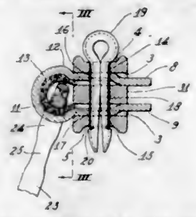
1. A revoluble stitch remover comprising a circular series of teeth each having one side lying in a convex curve extending inwardly and axially from a circular peripheral edge, and having the advancing face of the tooth coincident with a plane parallel to the axis of rotation and intersecting the curved face in a non-cutting stitch-seizing edge.

1,588,189. METAL-POLISHING MACHINE. EARL V. SCHAAL, Dayton, Ohio. Filed Nov. 27, 1922. Serial No. 603,547. 11 Claims. (Cl. 51—151.)



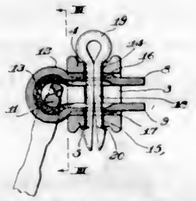
1. In a device of the character described, a polishing table, a specimen holder including a pressure arm terminating in an open frame having provided stretched across and secured to an open frame with a flexible membrane to hold a specimen against said table, and means for operating said table.

1,588,190. BRAKE HANGER AND SUPPORT. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed May 9, 1923. Serial No. 637,705. 4 Claims. (Cl. 188—209.)



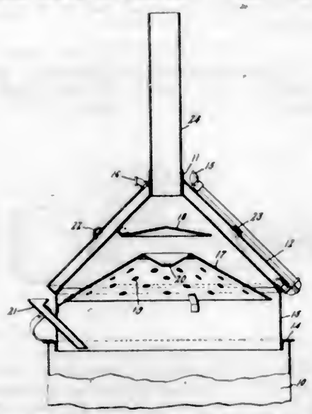
2. In a brake for railway cars, the combination of a truck frame provided with horizontally-disposed openings having a partition between them, a U-shaped stirrup forming at its base a brake-hanger bearing and having its ends in said openings one above and the other below said partition, the horizontal walls of said openings and the ends of said stirrup being provided with registering vertical openings, and a pin extending vertically through said vertical openings to connect the stirrup to the frame.

1,588,191. BRAKE-HANGER SUPPORT. FREDERIC SCHAEFER, Pittsburgh, Pa. Filed Dec. 19, 1924, Serial No. 756,926, and in Canada June 5, 1924. 4 Claims. (Cl. 188—206.)



1. In a brake for railway cars, the combination of a truck frame provided with an opening, an attaching member provided with a bearing for a brake hanger and having an end in said opening, and a pin connecting said member with said frame.

1,588,192. VARNISH TANK. HARMON L. SCHERMERHORN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 28, 1923. Serial No. 648,406. 1 Claim. (Cl. 134—26.)



The combination with a varnish cooking tank of a condensing hood arranged to be set in said tank after the completion of the cooking operation when the varnish solvents are being added, said hood comprising a double walled conical member forming a chamber through which a cooling liquid is circulated, a lower conical baffle provided with apertures mounted in said conical member in spaced relation with the inner wall thereof, an upper conical baffle secured in spaced relation with the inner wall of said conical member whereby solvent vapors arising from said tank are directed against the cooled surface of said hood to be condensed, the condensate falling upon the upper inclined surfaces of said baffles and being returned thereby to said tank, and a flue at the apex of said conical member.

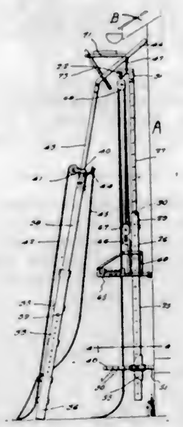
1,588,193. HAIR-WAVING DEVICE. CHARLES FRED SCHMITZ, Glenside, Pa. Filed July 28, 1925. Serial No. 46,512. 4 Claims. (Cl. 132—33.)

1. A device for heating a coil of hair in the practice of permanent hair waving, comprising a tube for containing the coil of hair, a core, a layer of hair waving material immediately surrounding the core around which the hair is coiled and an electric heating unit within said core.

1,588,194. NASAL AND THROAT DOUCHE PREPARATION. ANTHONY SCHREIBER, East Aurora, N. Y. Filed May 21, 1924. Serial No. 714,844. 1 Claim. (Cl. 167—9.)

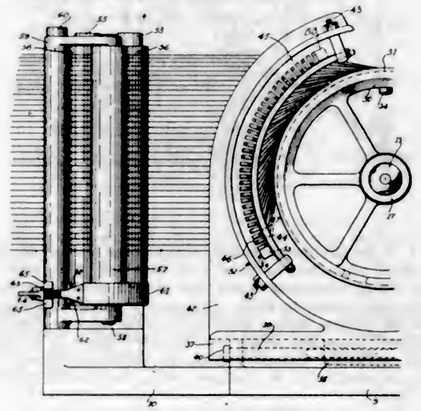
A medicinal compound adapted to be used as an application on the membraneous surfaces of the nose which consists of purified corn oil into which has been incorporated five percent by volume of practically anhydrous alcohol.

1,588,195. SCAFFOLD. EDWARD SCHULER, Springfield, Ill. Filed Sept. 15, 1922. Serial No. 588,443. 2 Claims. (Cl. 304—10.)



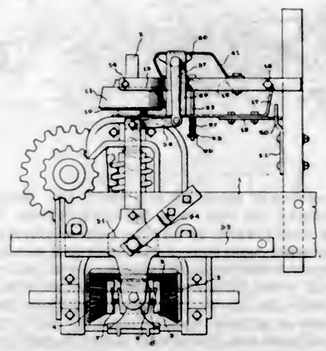
1. A device of the character described comprising an extensible inclinable brace member having its upper end obtusely inclined and designed for engagement against the side of a building, means for supporting a stage from the upper end of said brace member, an arm pivoted at one end upon the upper end of said brace member, a brace rod pivotally connected with the free end of said arm and having its lower edge serrated, a projection on the inclined end of the brace rod engageable by a selected serration whereby to hold said arm in horizontal position for holding a stage or platform horizontally regardless of the angular position in which the brace member may be placed.

1,588,196. METHOD OF AND APPARATUS FOR WINDING AND WARPING. EMIL ALBERT SCHULZ, Hoboken, N. J. Filed May 16, 1925. Serial No. 30,710. 11 Claims. (Cl. 28—33.)



1. In combination with a spooling head, a cam, rotatively concentric with said spooling head, a curved reed, concentric with said spooling head and dents in said reed parallel to the axis of said spooling head, said dents slidably resting upon the face of said cam.

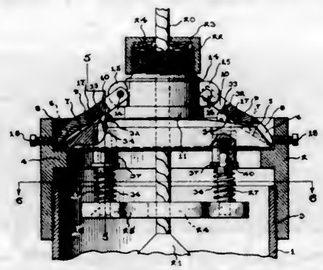
1,588,197. SAFETY ATTACHMENT FOR LEVELING DEVICES. HERMON COLE SCOTT, Pomeroy, Wash. Filed July 31, 1925. Serial No. 47,390. 10 Claims. (Cl. 192—12.)



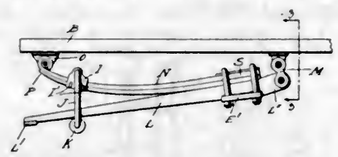
1. In combination with a leveling attachment, a brake organized therewith, and means controlled from the leveling attachment for operating the brake.

1,588,198. SAND CAP FOR OIL WELLS. GUY A. SEGUINE, Blackwell, Okla., assignor of one-sixteenth to Frederick A. Ost, Fredonia, Kans., one-fifth to O. J. Brown, and one-fifth to W. E. Lucas, both of Tonkawa, Okla. Filed Oct. 20, 1924. Serial No. 744,782. 7 Claims. (Cl. 166—14.)

1. In combination with a terminal fitting for a well tubing constituting a seat for a sand cap, a sand cap having toggle members for engaging said fitting and locking the cap on the seat, and a tripping member yieldingly impelled away from said toggle members and adapted for actuation by a drilling tool, the tripping member being provided with elements engaging the toggle members at the toggle joints.

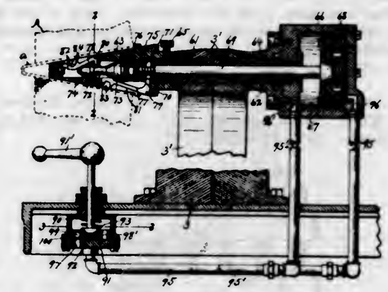


1,588,199. SPRING SUPPORT FOR VEHICLES. ALBERT F. SHORE, New York, N. Y. Filed Feb. 12, 1924. Serial No. 692,405. 2 Claims. (Cl. 267—19.)



1. A spring-support for vehicles, comprising a vehicle frame and axle, a lever supported at one end on said axle and having at its other end a pivotal link connection with the frame, a leaf-spring attached at its less resilient end to the lever adjacent to said link connection and having its resilient end fulcrumed directly on the vehicle frame, and a link secured to the spring and embracing said spring and the lever and normally holding said spring under slight compression, said link also being adapted to arrest or limit the rebound of the frame when the vehicle is subjected to undue road shocks.

1,588,200. PERFORATING DEVICE FOR CONES. CHARLES E. SKELTON, Syracuse, N. Y., assignor to Randomtex Dyeing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed Mar. 12, 1925. Serial No. 14,954. 5 Claims. (Cl. 164—90.)

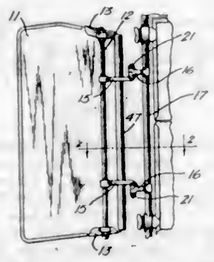


1. A device for perforating the hollow paper cones of yarn bobbins comprising a head tapered to correspond to the taper of the cone for receiving and supporting said cone, a punch movable through an opening in the tapered portion of the head for perforating the cone thereon, and means reciprocally movable within the head for operating the punch.

1,588,201. SAFETY PAPER. BURGESS W. SMITH, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed May 14, 1924. Serial No. 713,222. 8 Claims. (Cl. 91—67.95.)

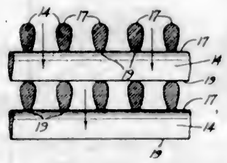
1. A safety paper having marked thereon with sensitive ink a pattern arranged to initially simulate the natural appearance of a paper and adapted to be conspicuously deepened in color by reaction with chemical ink eradicators to serve as a warning of attempted erasure.

1,588,202. WINDSHIELD WING. JOHN E. SPENCER, Los Angeles, Calif., assignor to A. Cliff Lillie, Los Angeles, Calif. Filed Aug. 7, 1922. Serial No. 580,032. 2 Claims. (Cl. 296—84.)



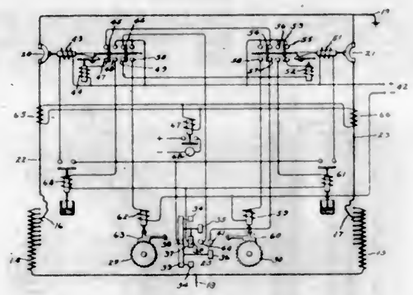
2. In a device of the nature disclosed, the combination of: a supporting structure comprising a bracket arm having near its inner end an integral pivot stud; a clamp means hingedly connected with said stud and comprising two opposed jaw members, each constituting a lever of the third class and having at one end an opening to receive the pivot stud, the opposite end thereof being formed to clamp against a support to which the device is to be applied, and means engaging the intermediate portions of both jaw members to draw said members to clamping engagement upon said support and to cause a frictional restraint upon the pivot stud; and a nut on said pivot stud for frictionally clamping the jaw members to the bracket arm.

1,588,203. CHECKER BRICK. LOUIS STEIN, Minneapolis, Minn. Filed Aug. 22, 1924. Serial No. 733,642. 5 Claims. (Cl. 72—15.5.)



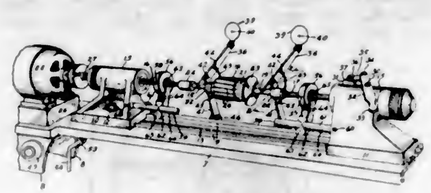
1. In a checker-brick device for gas producers comprising a plurality of checker-bricks arranged in superposed reticulated form and each brick being substantially stream-lined in cross-section to reduce resistance to flow therepast.

1,588,204. TRANSFORMER. HOWARD O. STEPHENS and ARTHUR PALME, Pittsfield, Mass., assignors to General Electric Company, a Corporation of New York. Filed Sept. 3, 1925. Serial No. 54,366. 3 Claims. (Cl. 171—119.)



1. A transformer comprising a winding formed in two parallel connected sections each provided with taps, a tap switch connected to the taps of each winding section, a circuit breaker in series with each winding section and its tap switch, means normally locking each tap switch against operation while its circuit breaker is closed, and means for unlocking each tap switch to permit its tap connection to be changed while its circuit breaker is open.

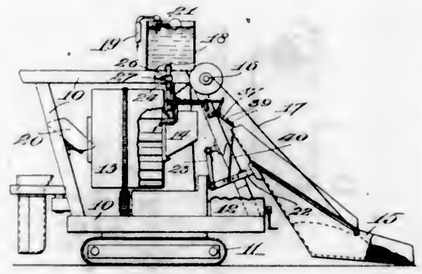
1,588,205. METHOD AND MEANS FOR BALANCING ROTATING BODIES. HUGH M. STEPHENSON, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Sept. 24, 1924. Serial No. 739,678. 14 Claims. (Cl. 73—51.)



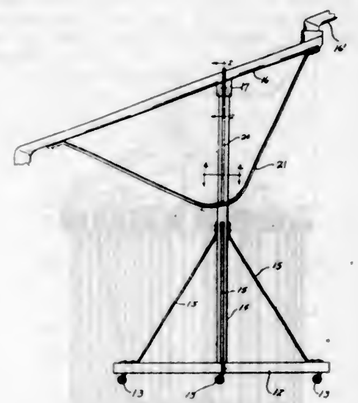
1. The method of balancing rotating bodies, which comprises mounting the body to be balanced between flexible supporting means which permit the body to vibrate when rotated, rotating said body and supporting means at a speed whereas vibration is maximum, damping out said vibration by eccentrically weighting the rotating supporting means by known amounts whereby known unbalanced forces are set up in opposition and equal in effect to the unknown unbalanced forces in the body, determining from the known unbalanced forces equal forces which may be set up in the body to provide a permanent running balance therein, and correcting the disposition of the mass of the body to set up said last-named forces.

1,588,206. CONCRETE-MIXING MACHINE. WALTER L. STINE, Los Angeles, Calif. Filed July 16, 1925. Serial No. 43,980. 5 Claims. (Cl. 83—73.)

1. The combination with a concrete mixing machine and its charging skip, of a water tank on the upper portion of the machine, means for maintaining a practically constant volume of water within said tank, a pipe leading from said tank for carrying a gravity flow of water into the mixing drum of the machine, and valvular means adapted to be operated by said skip during the greater portion of the charging movement thereof for permitting water to flow through said pipe during the greater part of the charging movement of the skip.



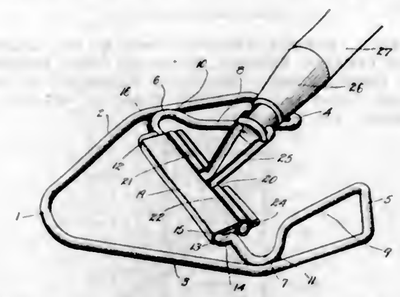
1,588,207. FLOOR SUPPORT FOR CONCRETE SPOUTS. EDWARD STORM, Detroit, Mich. Filed Aug. 15, 1924. Serial No. 732,255. 7 Claims. (Cl. 248—30.)



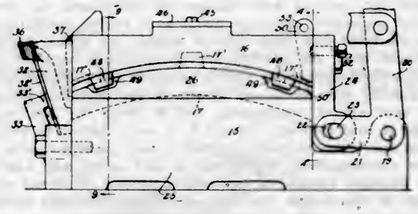
1. A trough support of the class described comprising a platform; a post projecting upwardly from said platform; a block adapted for mounting on a trough and provided with a pocket formed therein for the reception of the free end of said post, said pocket being of larger diameter than said post; brace members adapted to be secured to said trough at their opposite ends and projecting across and at opposite sides of said post; and means mounted on said brace members for engaging said post for limiting the rocking movement of said trough thereon.

1,588,208. MOP AND BRUSH HANDLE CONNECTION. HERBERT M. STURGIS, Kansas City, Mo. Filed Apr. 20, 1925. Serial No. 24,465. 4 Claims. (Cl. 15—229.)

1. A mop head, comprising a frame consisting of wire bent intermediate its ends to provide a toe with two diverging side portions, two inwardly extending heel portions in spaced relation, brace bars integral with the heel portions and connected to the side portions intermediate their ends, the ends of the wire extending across the middle of the frame in overlapping relation, and having right angular terminals, the terminal at one end portion abutting against the other end portion, a clip fastening the two end portions together, and a handle fastening pivotally fastened to the clip.

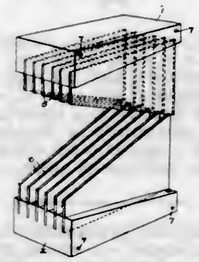


1,588,209. PERMANENT MOLD FOR MAKING CASTINGS. JAMES S. THOMPSON, Pelham, N. Y. Filed Aug. 11, 1924. Serial No. 731,243. 51 Claims. (Cl. 22—189.)



11. A permanent mold for making castings and comprising two members having a mold cavity therein, one of said members being in the form of a shell having openings in its bottom and recesses in its sides, a liner containing a portion of the mold cavity and removably seated in the shell, the openings and recesses providing space for tongs in inserting the liner in and removing it from the shell, and interengaging means on the shell and liner.

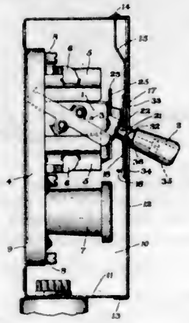
1,588,210. ARC INTERRUPTER. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 27, 1924. Serial No. 695,589. 4 Claims. (Cl. 200—151.)



1. A device of the class described comprising means forming a passageway, and a plurality of longitudinal insulating plates spaced from one another laterally of said passageway and extending into the same from op-

posite sides thereof, the arrangement being such that the distance by which said oppositely extending plates overlap varies from one point to another along said passageway.

1,588,211. SAFETY SWITCH. OTTO H. VAN AMBURG and LESLIE A. KEMPTON, Bridgeport, Conn., assignors to General Electric Company, a Corporation of New York. Filed June 25, 1923. Serial No. 647,513. 3 Claims. (Cl. 200—50.)



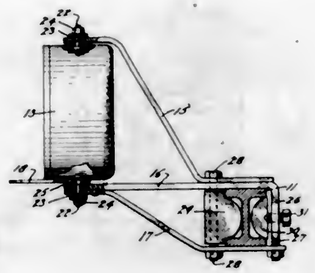
1. A safety switch comprising a pivotal switch mechanism, its contacts and thermal cut-out means, an open sided protective enclosure about said switch mechanism, its contacts and said cut-out means, an apron fixedly secured over the portion of the enclosure occupied by said switch mechanism and its contacts and provided with a slot for free movement therein of the operating means of said switch mechanism, and a cover for the open side of said enclosure hinged to a wall thereof to swing into full open relation therewith and provided with a slot corresponding to the slot in said apron and having an enlarged opening at one end of its slot to permit passage of the switch operating means therethrough during opening and closing movements of said cover.

1,588,212. LATHING MAT. WILHELM VON NEUDECK, Philadelphia, Pa. Filed Dec. 1, 1924. Serial No. 753,039. 1 Claim. (Cl. 72—116.)

A lathing mat consisting of a plurality of substantially parallel strips of wood having front and rear faces, a plurality of relatively thick and rigid retaining wires extending transversely of said series of parallel strips of wood along their front faces, a relatively thin securing wire encircling alternatively a retaining wire and a wooden strip and a sheet of paper adhesively secured to the rear faces of said wooden strips, opposed to said retaining wires.

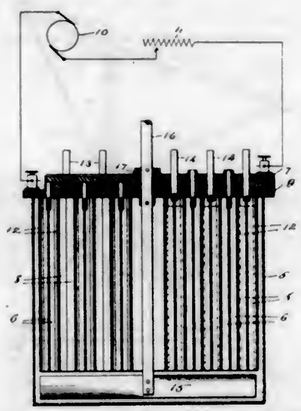
1,588,213. DIRIGIBLE SPOTLIGHT. JOHN R. WADE, Denver, Colo., assignor to William H. Zeh, Denver, Colo. Filed Sept. 25, 1923, Serial No. 664,724. Renewed Apr. 12, 1926. 1 Claim. (Cl. 240—62.)

The combination with a dirigible spot light having two vertically disposed diametrically opposite bearings, of a supporting bracket having journals for said bearings and means for securing said bracket to the front axle of an automobile, said means comprising bolts and nuts for clamping said bracket against the top and bottom of said



axle; wedge shaped blocks for engaging the sides of said axle and a set screw for forcing said blocks into engagement with said axle.

1,588,214. PRODUCTION OF GAS BY ELECTROLYSIS. ROBERT L. WALSH, Sacramento, Calif. Filed June 29, 1921. Serial No. 481,311. 1 Claim. (Cl. 204—1.)

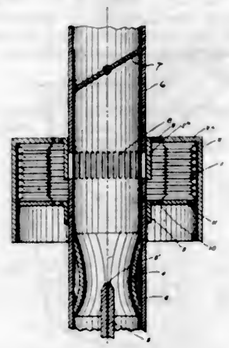


The method of producing gas by decomposition of a chemical compound which consists in applying an electric current to the compound through a plurality of electrodes to release the gaseous constituent, simultaneously washing the surfaces of the electrodes to depolarize the same, and regulating the current density of the electric circuit.

1,588,215. CARBURETOR AIR VALVE. LOWELL C. WEINBERG and HERBERT E. BRANNON, Dayton, Ohio. Filed Aug. 13, 1921. Serial No. 492,206. 1 Claim. (Cl. 261—63.)

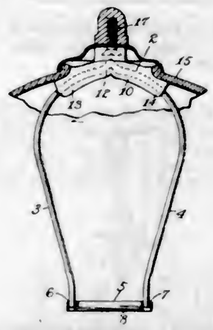
In combination, in a carburetor having an air inlet, a fuel inlet, and a mixture outlet, a throttle valve in said mixture outlet, a plurality of openings in the wall of said carburetor between the fuel nozzle thereof and the

throttle valve, a sleeve slidable on the exterior wall of said carburetor and having openings adapted to be brought into registration with the openings in said



carburetor wall, and means responsive to variations in atmospheric pressure to cause said openings to move into registration as the atmospheric pressure decreases.

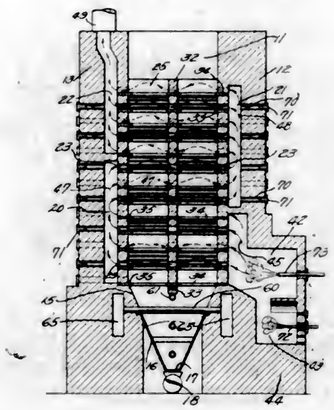
1,588,216. LAMP-SHADE HOLDER. AUGUST WILLENBACHER, Hackensack, N. J., assignor to Triumph Manufacturing Co., New York, N. Y. (A Firm.) Filed Dec. 19, 1924. Serial No. 756,882. 1 Claim. (Cl. 240—148.)



A lamp support comprising a rod bent in the form of a loop, a head at the upper part of the loop adapted to support a shade, a comparatively large ring of channel form having apertures in the connecting wall on opposite sides of the ring, the parallel extremities of the rod projecting through said apertures without bending and secured to the opposite side walls, the channel form having its inner wall or bore formed with screw threads adapted to receive a threaded lamp socket.

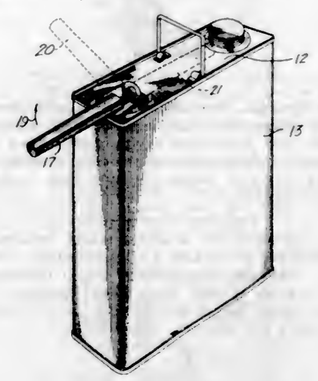
1,588,217. ORE-REDUCING FURNACE. WILLIAM WINKELMAN, Los Angeles, Calif. Filed June 27, 1923. Serial No. 647,908. 7 Claims. (Cl. 266—29.)

1. A reducing furnace comprising: side walls provided with projecting shelves having inverted troughs supported thereon to provide transverse passages; means for producing carbon dioxide, means for subsequently reducing the same to a carbon monoxide mixture in advance of its delivery to said transverse passages; and means for conducting said mixture back and forth



through said passages in intimate contact with a subdivided ore fed thereto, to reduce the same without sintering.

1,588,218. CONICAL-VALVE SWING-SPOUT PACKAGE. OZRO N. WISWELL, Los Angeles, Calif., assignor to Swingspout Measure Company, a Corporation of California. Filed June 7, 1922. Serial No. 566,648. 6 Claims. (Cl. 221—26.)

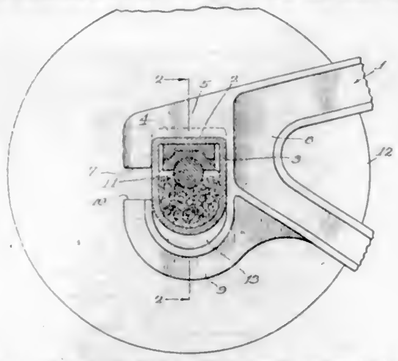


1. In a swingspout pouring device for a container, the combination of: a shell adapted to be secured to the top of a container; an inverted cup rotatably mounted on said shell, and pressurably held thereagainst; and a spout extending from said cup and secured against rotation relative thereto, the axis of rotation of said cup, when mounted on a container, lying in a vertical plane and in a plane which is at an angle to a horizontal plane.

1,588,219. RAILROAD-CAR TRUCK. GEORGE A. WOODMAN, Chicago, Ill., assignor to Woodman Railway Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1925. Serial No. 38,393. 4 Claims. (Cl. 105—220.)

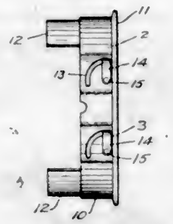
1. A railroad car truck comprising a frame, a journal box in said frame, an axle supporting said journal box,

means on said frame and on said box engaging each other and preventing movement of said box lengthwise of said axle, said means being disengaged by raising said frame,



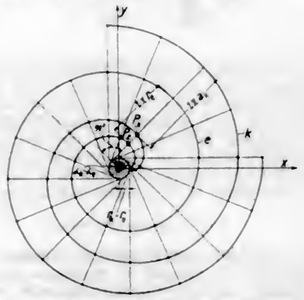
and an opening in said frame through which said axle may pass after raising of said frame and removal of said box.

1,588,220. TIRE RIM. JOHN S. ARIENTA, Seattle, Wash. Filed July 7, 1925. Serial No. 41,946. 3 Claims. (Cl. 301—35.)



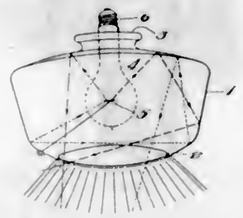
2. In a tire rim, two circular halves with flanges at their outer edges and projections at their inner edges, some of the said projections having curved slots therein and U shaped locking members pivotally mounted in one of the said halves to engage the said slots to hold the two halves together.

1,588,221. METHOD OF MAKING MARK PLATES FOR MICROMETER OCULARS AND MOUNTING OF THE SAME. WALTHER BAUERSFELD, Jena, Germany, assignor to Firm of Carl Zeiss, Jena, Germany. Filed Aug. 15, 1924, Serial No. 732,296, and in Germany Oct. 1, 1923. 6 Claims. (Cl. 88—1.)



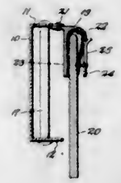
1. Method of making rotatable mark plate destined for micrometer oculars, consisting in tracing two congruent spirals on an auxiliary plate, each of these spirals being related to a circle in such a way that the distance of two adjoining windings of the spiral as measured on a pencil of tangents of the circle, has a constant magnitude, and the two spirals being so traced that the two appertaining circles coincide with each other and the one spiral is rotated relatively to the other through an angle differing but little from 180°, and then in twice photographically transmitting the auxiliary plate to the mark plate, and rotating the mark plate in its plane about its centre through 180° between the two exposures.

1,588,222. LIGHTING DEVICE. HENRY D'OLIER, Jr., Bridgeport, Conn. Filed Aug. 17, 1923. Serial No. 657,854. 4 Claims. (Cl. 240—103.)



1. In an illuminating device of the character stated, the combination of a source of light and a globe including an upper reflecting wall of diffusing glass and a side reflecting wall; said globe being adapted to transmit light freely below the diffusing body, and the angle between the top wall and side wall being so related to the source of light and the lower edge of the diffusing body, as to eliminate any first reflection of the source of light above the cone of direct illumination.

1,588,223. BELT FASTENER. EDWARD W. HIRSCHMAN, Findlay, Ohio. Filed Aug. 13, 1924. Serial No. 731,866. 1 Claim. (Cl. 24—73.)

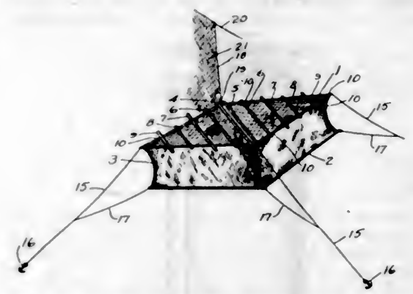


A belt buckle having a U-shaped member secured to its upper longitudinal edge and depending rearwardly thereof with its lower terminal spaced upwardly from the lower longitudinal edge of the buckle, said U-shaped member presenting rigid arms confronting each other in a direction at right angles to the vertical plane of the buckle and relatively spaced apart to straddle the upper edge of a trouser flap, and means carried by the said arms for gripping the said flap to secure the said U-shaped member thereto, said U-shaped member being freely slidable along the said flap and without being disengaged therefrom whenever the gripping means is released to permit the buckle to move freely when adjusting the belt longitudinally.

1,588,224. FLOATING SALMON TRAP. KARL E. HOBL, Seattle, Wash. Filed Feb. 5, 1925. Serial No. 7,015. 3 Claims. (Cl. 43—108.)

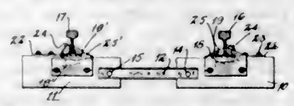
1. In a salmon trap an upper wood frame, a lower metal frame, said upper and lower frames being diamond shaped a web between the frames, said web having a pot

in the central portion and spillers in each of the points a tunnel projecting into said pot, other tunnels projecting into said spillers, means for holding the lower frame



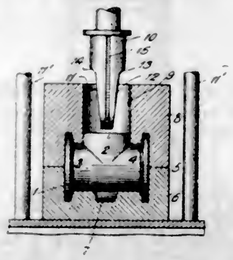
to the lower edge of the web and to the upper frame, suitable anchors attached to the points and a suitable lead extending from the point adjacent said pot tunnel.

1,588,225. CONCRETE RAILROAD TIE. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed July 17, 1925. Serial No. 44,236. 2 Claims. (Cl. 238—31.)



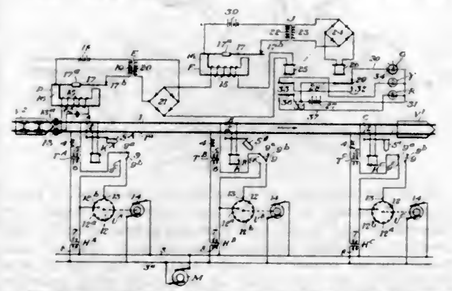
1. A rail fastening for ties as described, comprising, a pair of plates adapted to be secured to a tie at opposite sides thereof, upper, rail web engaging flanges on said plates, means for holding said plates in position on said tie, plates between each pair of said first named plates on the outside of the rails, means for securing said last named plates to the tie, and bolts carrying large nuts engaging the inner rail foot flanges for holding the rail to the tie.

1,588,226. METHOD OF MAKING GATE VALVES AND SIMILAR BODIES. EMIL F. HOLINGER, Jersey City, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1924. Serial No. 741,202. 4 Claims. (Cl. 29—157.)



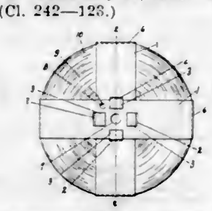
1. The method of making gate valve bodies from steel and similar materials which comprises first forming a solid ingot into substantially the external shape of the valve body by forging, holding the same in a die having a lateral opening, forcing a punch into said die through said opening, said punch having a portion adapted to form opposing valve seats and another portion adapted to form the neck of the valve, thereby causing the metal to be displaced and flow into the upper portion of said die to form the neck of the valve, and then cutting a passage through the connecting portions of said valve body.

1,588,227. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HAROLD O. HOLTE, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 31, 1924. Serial No. 729,211. 31 Claims. (Cl. 246—63.)



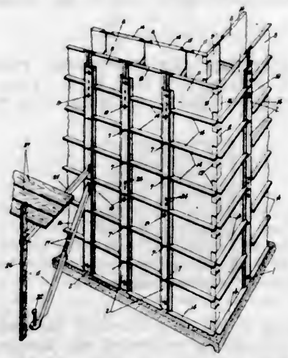
31. In combination, a stretch of railway track, means for at times supplying said stretch with uninterrupted alternating current, means for at other times mechanically interrupting said current at regular periods, and traffic governing means including a relay responsive to said periodically interrupted current but not to said current.

1,588,228. METAL SPOOL. MARK S. HOTCHKISS, Johnson City, N. Y. Filed July 14, 1925. Serial No. 43,513. 2 Claims. (Cl. 242—123.)



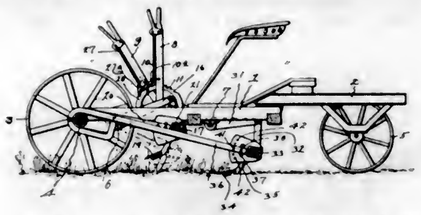
1. A spool comprising flanges composed of intersecting flat strips said strips being provided with recesses adjacent the points of intersection, a core having integral tongues in said recesses and overlapping the adjacent strip.

1,588,229. WALL FORM. MARK S. HOTCHKISS, Johnson City, N. Y. Filed Nov. 23, 1925. Serial No. 70,816. 26 Claims. (Cl. 25—131.)



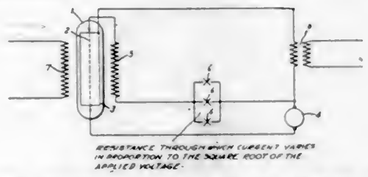
1. A wall form comprising an upright supporting bar having a channel and lateral flanges, a panel provided with vertical and horizontal flanges, one of said vertical flanges engaging within said channel and said horizontal flanges engaging one of said lateral flanges, whereby said panel is removably secured to said bar.

1,588,230. WEEDER. COLUMBUS H. HOWELL, Pendleton, Oreg. Filed Mar. 22, 1923. Serial No. 626,884. 2 Claims. (Cl. 37—144.1.)



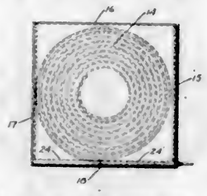
1. In an implement of the character described, a wheel mounted frame, earth working implements, means for suspending said implements from the frame in active and inactive positions, bracing rods at each side of said frame, rigidly connected, respectively, at one end to said implements, the other ends of said rods being provided with elongated loops having two parallel sides, one of which is removable, the spacing of said parallel sides coinciding with the diameter of the front axle, which extends through said loops.

1,588,231. ELECTRON-DISCHARGE APPARATUS. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 6, 1923. Serial No. 623,268. 12 Claims. (Cl. 179—171.)



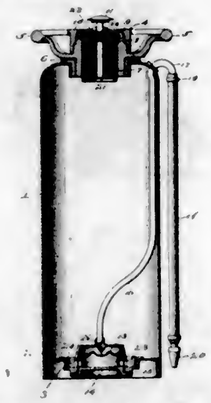
1. The combination with an electron discharge device having an electron emitting cathode and a cooperating anode, of a source of potential for producing a flow of current between said electrodes, means for producing a magnetizing field in the space between said electrodes for maintaining a desired value of current between said electrodes, including a circuit to which said source of potential is connected and a resistance in said circuit having the characteristic that the current therethrough is proportional to the square root of the voltage at its terminals.

1,588,232. MATCHES AND CONTAINER THEREFOR. WILLIAM F. JETTER, New York, N. Y. Filed Aug. 7, 1925. Serial No. 48,801. 6 Claims. (Cl. 206—20.)



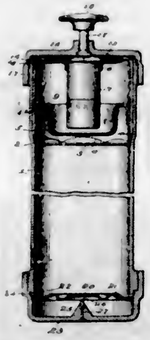
3. In articles of the class described, the combination, of a match strip having an integral edge portion, a band of striking compound disposed along said edge portion, and a container for said strip, said container having an opening through which said strip is adapted to be progressively withdrawn and being constructed and arranged to progressively expose a portion of said band as the strip is withdrawn from said container.

1,588,233. PYROTECHNIC FIRE EXTINGUISHER. ROBERT KAUCH and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Mar. 21, 1923. Serial No. 626,531. 2 Claims. (Cl. 169—31.)



1. In a fire extinguisher, a container for the fire extinguishing agent having a discharge outlet, means for generating pressure within said container consisting of a slow burning powder charge, a sealing diaphragm for said charge, firing means for said charge including a primer for igniting the charge and rupturing said diaphragm, an outlet chamber in communication with said container, a deformable diaphragm in said chamber and an outlet nozzle facing said diaphragm and having a pointed portion adapted to pierce said diaphragm when the latter is bulged by internal pressure in the container.

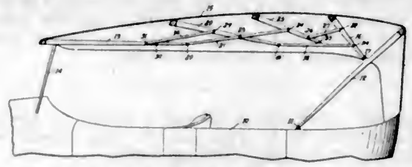
1,588,234. PYROTECHNIC FIRE EXTINGUISHER. ROBERT KAUCH and CHARLES L. PAULUS, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,590. 6 Claims. (Cl. 169—31.)



1. In a device of the class described, a main casing, a fluid tight diaphragm in said casing, a fluid chamber in said casing, an expressing plunger, said diaphragm normally separating said fluid from said plunger, and means for actuating said plunger to rupture the diaphragm and exert an expelling force on said fluid.

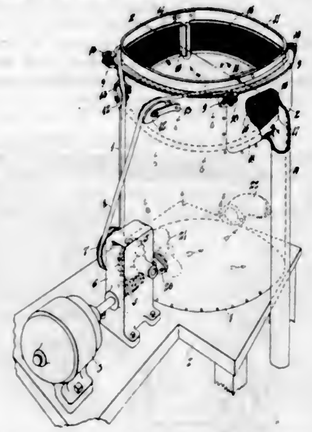
1,588,235. FOLDABLE TOP FOR VEHICLES. AUGUST KELLER, New York, N. Y., assignor to Golde-Patent Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 22, 1921, Serial No. 509,559. Renewed Nov. 18, 1925. 2 Claims. (Cl. 296—116.)

1. In combination with a master bow pivoted to a vehicle body having a folding vehicle top, a rear bow pivoted to said master bow, a rear strut and a main strut pivoted to said rear bow at spaced distances from each other, an auxiliary bow pivoted to said rear strut at the forward end thereof and to said main strut at an intermediate portion thereof, an intermediate bow pivoted to



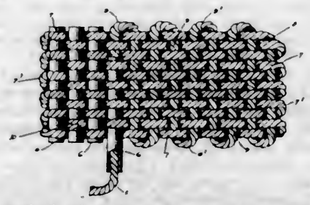
said main strut at the forward end thereof, an intermediate strut pivoted to said auxiliary bow and to said intermediate bow, a front strut also pivoted to said intermediate bow, and a front bow pivoted to said front and intermediate struts at the forward ends of the same.

1,588,236. PULP WASHER. KARL KIEFER, Cincinnati, Ohio. Filed May 8, 1923. Serial No. 637,541. 6 Claims. (Cl. 141—12.)



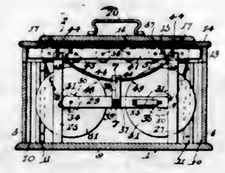
2. In a pulp washer, a tank having an open top and a screened outlet at its side, and mechanism positioned away from the center of the tank and a scraper driven by said mechanism and passing against the screen of said outlet.

1,588,237. BOWLING-ALLEY PIT MAT AND METHOD OF MAKING SAME. JOHN ALBERT KOTTLER, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 618,025. 5 Claims. (Cl. 139—420.)



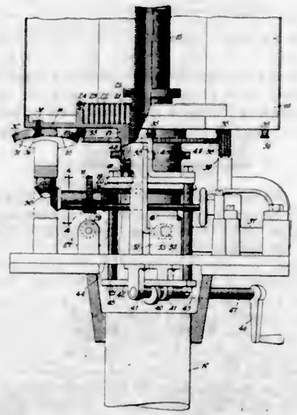
1. The method of making a mat which consists in positioning a line of spaced parallel tubes and weaving a warp rope back and forth transversely alternately on opposite sides of said tubes and looping the rope around the end tubes thereof, then threading a weft rope at right angles to the warp ropes through the adjacent tube and then withdrawing said tube from the warp ropes and from the weft rope and then repeating the operation until all of the tubes have been threaded and removed, and then securing the terminal ends of the rope within the confines of the mat, the looped portions of said warp rope forming the selvage edges of the mat.

1,588,238. COMBINED FILING AND EXHIBITING DEVICE. COLONEL L. LARRABEE, Glenville, N. Y. Filed Sept. 1, 1925. Serial No. 53,843. 4 Claims. (Cl. 40—86.)



1. A device for the purpose set forth comprising a receptacle provided at its top with a transparent panel, a series of supporting rollers positioned in proximity to said panel and within the receptacle, a pair of revoluble reels below said rollers, a flexible carrier winding off of one of said reels and on to the other and having a length thereof supported by and interposed between said rollers and transparent panel, supporting means for said reels, said means including a pair of spring controlled shiftable bars for resiliently and revolubly supporting said rollers, and controlling springs of concave curvature for said bars, said springs connected to each side of said means and having their ends slidably coupled with said bars.

1,588,239. TRAFFIC-SIGNAL APPARATUS. HENRY G. LEACH and JOSEPH S. LEACH, Brooklyn, N. Y. Filed June 7, 1924. Serial No. 718,451. 14 Claims. (Cl. 177—327.)

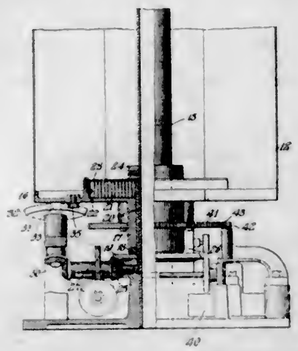


1. In traffic signal apparatus: a rotatable display member; driving means therefor including a continuously operating motor, and means permitting the signal to stop; timing mechanism for stopping the rotation of the display member intermittently; means to disengage the timing mechanism; and manual means to stop the rotation of said display member at will.

1,588,240. TRAFFIC-SIGNAL APPARATUS. JOSEPH S. LEACH, Brooklyn, N. Y. Filed Jan. 18, 1924. Serial No. 687,142. 1 Claim. (Cl. 116—63).

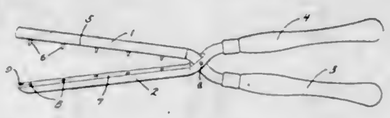
In traffic signal apparatus: a rotatable display member; means for rotating same; and control means, comprising a continuously running motor, a shaft rotated

thereby, an inclined dished member mounted at one end of the shaft and having slots disposed about its rim, and rollers mounted on the under side of the display member



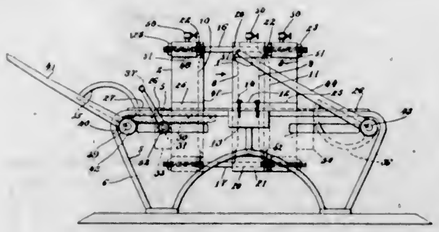
and adapted to engage the rim to prevent rotation of said display member and to register with the slots of said rim to pass therethru, clear the dished member and permit of a limited rotational movement of the said display member.

1,588,241. HAIR-STRAIGHTENING TOOL. EDNA KING LELAND, Morrison, Ill. Filed Feb. 20, 1925. Serial No. 10,635. 2 Claims. (Cl. 132—32.)



1. In a device of the class described, a pair of jaws pivotally united, and provided with means for operation thereof, cooperating faces on said jaws, and interengaging pins and openings carried by said jaws at regular intervals.

1,588,242. SASH-WEIGHT-MOLDING APPARATUS. WILSON K. LEVERING and ERNEST D. LEVERING, Baltimore County, Md. Filed Aug. 18, 1924. Serial No. 732,747. 16 Claims. (Cl. 22—57.)

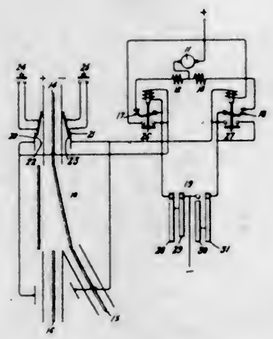


1. In an apparatus for molding sash weights, two mold members, means for securing said mold members together and spacing them apart, said mold members having mold cavities in their opposed faces, an intermediate mold member between said spaced mold members, said intermediate mold member having corresponding mold cavities in its opposite faces adapted to register and cooperate with the mold cavities in the spaced mold members, and means for reciprocating some of said mold members to bring the faces of the spaced mold member alternately into contact with the corresponding faces of the intermediate mold member and cause the cavities in the respective spaced mold members to co-operate alternately with the corresponding cavities in the intermediate mold member providing for the alternate closing of one set of mold cavities in molding position, and the simultaneous opening and cooling of the other set of mold cavities, releasing the castings therefrom.

1,588,243. COMPOSITE SHEET. HARRY S. LEWIS, Beaver Falls, N. Y. Filed Apr. 16, 1923. Serial No. 632,531. 6 Claims. (Cl. 145—45.9.)

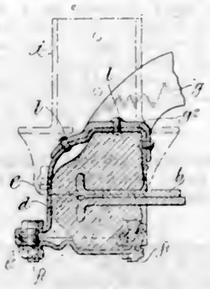
5. A laminated board, the facing plies of which include a layer comprising ground cooked hard wood and another layer of pulp manufactured from other material.

1,588,244. CONTROL FOR GLIDING SWITCHES FOR OVERHEAD MONORAIL TRAMWAYS. SAM H. LIBBY, Bloomfield, N. J., assignor to General Electric Company, a Corporation of New York. Filed Apr. 26, 1922. Serial No. 556,656. 2 Claims. (Cl. 104—102.)



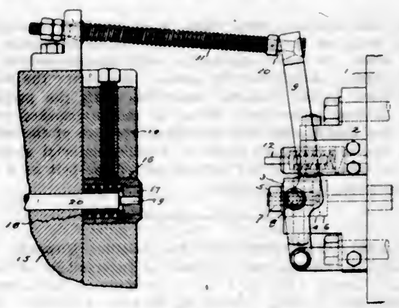
1. In a monorail tramway system, the combination of a plurality of tracks having stub ends and a traveling crane car operating thereon, a gliding switch operable between a plurality of positions for connecting the stub ends of the tracks in various relations to permit operation of the crane car over different routes, a reversible electric motor for operating said switch between said positions, means including a plurality of selectively operable push buttons on the traveling crane car and cooperating control conductors along the stub ends of the tracks for energizing the motor to start operation of the gliding switch to each of said positions upon a momentary operation of a corresponding push button, and means including a limit switch operated responsively to movement of the gliding switch for maintaining the motor energized independently of said first means until the gliding switch is operated to the selected position.

1,588,245. HOUSING FOR CUSHION CONNECTIONS FOR VEHICLE CONSTRUCTION. FRED L. LIPCOT, New York, N. Y., assignor to Rubber Shock Insulator Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 24, 1923. Serial No. 659,052. 5 Claims. (Cl. 267—30.)



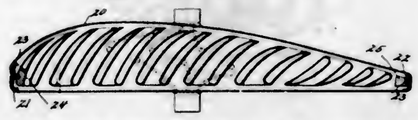
1. In motor vehicle construction, in combination, a plurality of cushion connections interposed operatively between supporting members and a member to be supported and interchangeable housings for the connections.

1,588,246. METAL-EXTRUDING TOOL. CHARLES E. LYMAN, Waterbury, Conn. Filed Nov. 25, 1924. Serial No. 752,161. 6 Claims. (Cl. 207—6.)



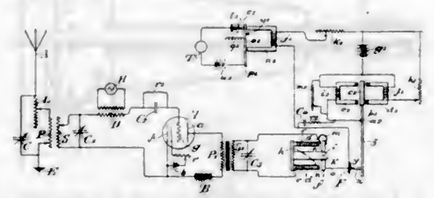
1. Tools for forming socketed metal pieces comprising a fixed die holder, a die slidably fitted within the die holder and having a cavity shaped to give the exterior conformation to the pieces, means normally pressing the die forward in the die holder and a reciprocatory punch comprising a punch holder and a pin that is smaller in cross section than the cross section of the die cavity and shaped to impart the interior outline to the socket, said pin projecting slightly beyond the face of the punch holder and said punch holder being adapted to engage and press back the die, after said pin has entered the die cavity and engaged the pieces to be socketed, a distance equal to the distance the pin enters the pieces.

1,588,247. HIGH-LIFT RADIATOR. SIDNEY P. LYON, Tippecanoe City, Ohio. Filed Mar. 29, 1923. Serial No. 628,521. 3 Claims. (Cl. 244—31.)



1. For use in aircraft a water cooling radiator of high lift-drift ratio formation having the shape of an aerofoil in fore and after section parallel to the plane of symmetry of the aircraft, said radiator comprising water tubes extending as to their length substantially at a right angle to the plane of symmetry and of aerofoil formation in cross section, means for bracing said tubes longitudinally of said craft, said tubes varying in size in cross section proportional to the dimensions of the radiator in fore and aft section.

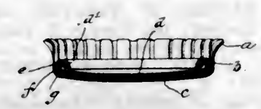
1,588,248. ANTISTATIC SYSTEM. DAVID G. MCCAA, Lancaster, Pa., assignor to The Electric Apparatus Co., Parkesburg, Pa., a Corporation of Pennsylvania. Filed Mar. 16, 1923. Serial No. 625,473. 20 Claims. (Cl. 250—8.)



8. An anti-static system for reception of radio telegraphic signals comprising means for producing a periodic current representative of the telegraphic signals, a circuit, a translating instrument controlled thereby, co-operating contacts controlling said circuit, means for vibrating one of said contacts at a frequency corresponding with the frequency of said current to periodically open and close said circuit, and means effective upon cessation of signal-representing energy for damping one of said contacts.

17. The combination with a circuit, of a translating instrument controlled thereby, a vibratory contact and a second contact controlling said circuit, and means for damping said vibratory contact.

1,588,249. BOTTLE CLOSURE. CHARLES E. MCMANUS, New York, N. Y. Filed July 6, 1922. Serial No. 573,177. 4 Claims. (Cl. 215—38.)



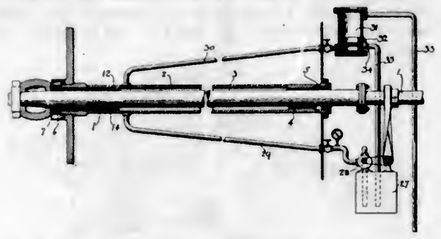
1. A bottle closure embodying therein a skirted shell adapted to be attached to a bottle, and a skirted laminated sealing member embodying therein a resilient lamina presented towards said shell and a substantially non-absorbent facing lamina presented towards the contents of a bottle, the skirt of said sealing member being formed by folding the material of said sealing member upon itself, whereby said skirt will be relatively thicker than the top thereof, so that the top of the bottle will be sealed against the top of said sealing member and the edge about the top of the bottle will be sealed against the skirted flange of said member.

1,588,250. BOTTLE CLOSURE AND PROCESS OF MAKING SAME. CHARLES E. MCMANUS, New York, N. Y. Filed July 6, 1922. Serial No. 573,179. 6 Claims. (Cl. 215—39.)

1. A bottle closure consisting of a shell having a fluted skirt, a cylindrical top portion and a top adapted to be secured to the neck of a bottle and a cushion within said shell consisting of a skirted resilient member cov-

ering the inner top of the shell and having the skirt thereof extend parallel with and in engagement with said cylindrical top portion extending about the edges thereof adjacent said top.

1,588,251. SHAFT MOUNTING. ALEXANDER MCNAB, Bridgeport, Conn. Filed Dec. 8, 1925. Serial No. 74,073. 4 Claims. (Cl. 308—123.)



2. A tail shaft mounting comprising in combination a tail shaft, a stern tube, a lubricant containing chamber arranged between said tail shaft and stern tube, means to supply lubricant under pressure to said chamber, and means to control the pressure of the lubricant in said chamber, said control means being actuated by the water pressure acting upon the outboard end of said tail shaft mounting.

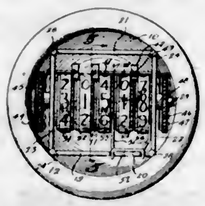
1,588,252. PREPARATION OF SOLUTIONS OF DERIVATIVES OF DIOXYDIAMINOARSENOBENZENE. STUART R. MACEWEN, Toronto, Ontario, Canada. Original application filed May 31, 1923, Serial No. 642,704. Divided and this application filed Dec. 7, 1923. Serial No. 679,251. 4 Claims. (Cl. 167—7.)

1. A stable non-jellying solution of sulpharsphenamine containing a sugar, a soluble inorganic preservative, and an alkaline re-agent.

1,588,253. METHOD OF TREATING LIMESTONE. FRANK C. MATHERS and HERMAN T. BRISCOE, Bloomington, Ind.; said Briscoe assignor to said Mathers. Filed July 14, 1925. Serial No. 43,615. 9 Claims. (Cl. 23—189.)

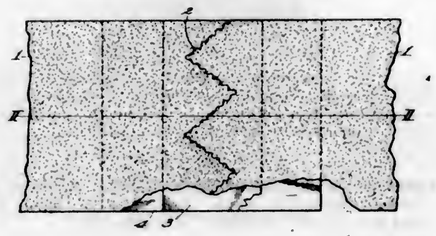
2. The method of treating ordinary dolomitic limestone which consists in adding a sodium salt of a mineral acid thereto and calcining the same, and subsequently converting it into a dry hydrate.

1,588,254. MILEAGE INDICATOR. JESSE H. MATTHEWS, Des Moines, Iowa. Filed Dec. 31, 1923. Serial No. 683,716. 2 Claims. (Cl. 235—96.)



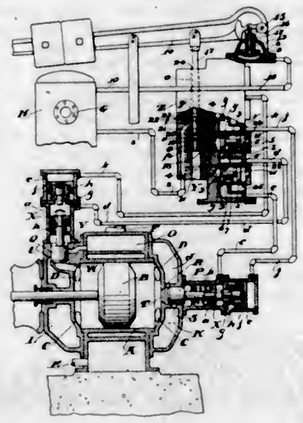
1. A mileage indicator comprising a cylindrical casing having at one edge an annular flange and its opposite edge provided with a spherical bottom, a rectangular frame designed to rest on the said bottom and to fit the interior of said casing, the upper edge of the corners of said frame being provided with notches, said casing being provided with lugs to enter said notches, a shaft rotatively mounted in said frame, a series of numeral bearing wheels on said shaft, one of which is rigidly secured thereto, a hand wheel on one end of said shaft, said hand wheel having a portion extended through the said bottom member, one of said numeral bearing wheels being mounted on a sleeve rotatively mounted in said frame member and has its outer end provided with a second hand wheel having a portion extended through the bottom of said casing, a carrying mechanism for operatively connecting other ones of said numeral bearing wheels.

1,588,255. SAND-BELT SPLICE. ROBERT MAXWELL, Independence, Kans. Filed Nov. 24, 1924. Serial No. 751,870. 1 Claim. (Cl. 24—38.)



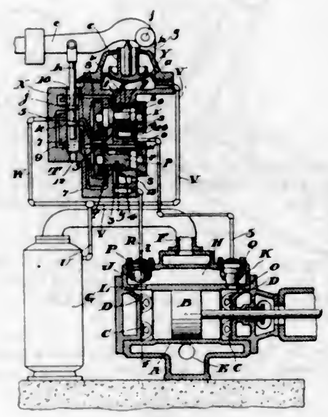
A belt having spliced ends, each end at the splice joint being of sawtooth form from one side margin to the other, the sawtooth ends being complementary to each other and disposed in endwise abutment; the abutting ends having rounded serrations with the projecting portions of one end fitting in and interlocked with and abutting against the cavities or recesses of the other end, and one or more strips of flexible material secured to the inner side of the spliced end of the belt as a reinforcement for such splice.

1,588,256. COMPRESSOR UNLOADER. CHESTER W. METZGAR, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 3, 1925. Serial No. 66,494. 7 Claims. (Cl. 230—24.)



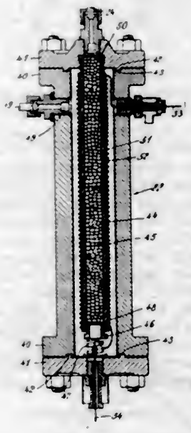
1. In a compressor unloader, the combination of a cylinder and piston, inlet and discharge valves for the cylinder, a plurality of clearance chambers, and a single clearance valve controlling said plurality of chambers.

1,588,257. COMPRESSOR UNLOADER. CHESTER W. METZGAR, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 3, 1925. Serial No. 66,495. 3 Claims. (Cl. 230—24.)



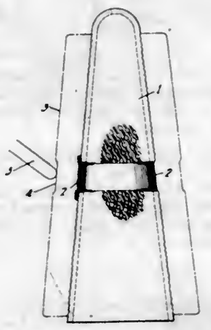
1. In a compressor unloader, the combination of a double acting cylinder and piston, inlet and discharge valves for the cylinder, a by-pass connection from one end of the cylinder to the other forming a clearance chamber, and clearance valves for each end of the cylinder controlling said clearance chambers, whereby the compressor may be unloaded in successive steps.

1,588,258. PRODUCTION OF OXYGEN-FREE NITROGEN. FLOYD J. METZGER, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 15, 1926. Serial No. 81,466. 6 Claims. (Cl. 23—220.)



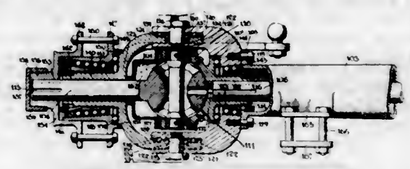
1. The method of separating oxygen from gaseous mixtures, which comprises adding thereto a combustible gas, causing the mixture to contact with carborundum at a temperature sufficient to maintain combustion of the combustible gas in the presence of the oxygen and separating the products of combustion from the balance of the gaseous mixture.

1,588,259. YARN WINDING. MICHAEL MORRELL, Brooklyn, N. Y., assignor to Louis Malina, New York, N. Y. Filed Oct. 15, 1925. Serial No. 62,575. 3 Claims. (Cl. 242—122.)



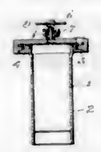
1. The method of winding yarn on a core which consists in depressing part of the core surface and winding the yarn on the core so that a depression be formed in the yarn winding in alignment with the depressed part of the core, and placing knots within said depression of the yarn winding.

1,588,260. DRIVING MECHANISM FOR MOTOR VEHICLES. SWENEY MUNSON, Scammon, Kans. Filed Feb. 4, 1924. Serial No. 690,680. 1 Claim. (Cl. 180—43.)



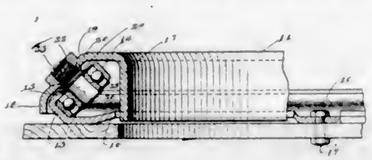
In a driving mechanism for the front wheels of a motor vehicle, a driven front axle section, a driven spindle element for the front wheel, a front wheel hub fixed to the outer end of said spindle and further surrounding and spaced therefrom, a knuckle element having a tubular portion extending into said hub and surrounding said spindle element, a universal joint connection between the spindle element and said axle section and having means to permit of the angular shift of the spindle element and the axle section relatively to each other to approximately thirty degrees, a housing for the axle section, pivotal connections between the knuckle element and said housing, an adjustable bearing element interposed between said housing and said universal joint connection and threadedly engaging with the latter, an annular bearing element between said universal joint connection and said housing, an adjustable bearing element mounted in said hub and threadedly engaging with said tubular portion, and an annular bearing element interposed between the hub and said knuckle element.

1,588,261. MAGAZINE DISCHARGER FOR PYROTECHNIC SIGNALS. CHARLES L. PAULUS and ROBERT KAUCH, Dayton, Ohio. Filed Jan. 25, 1924. Serial No. 688,484. 12 Claims. (Cl. 244—1.)



3. In combination a pyrotechnic discharger, comprising a discharge frame with a plurality of discharge openings, and a slidable selective discharger for the charges in said openings.

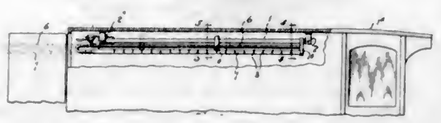
1,588,262. GUN MOUNT. CHARLES L. PAULUS and ROBERT KAUCH, Dayton, Ohio. Filed Mar. 15, 1924. Serial No. 699,855. 25 Claims. (Cl. 89—40.)



17. In a flexible mount for guns, a ring having an annular lip bent inwardly at an angle relative to said ring, a second ring facing the first ring and having an annular flange bent at an angle thereto approximately parallel to said lip, and bearing means adjustably mounted on said flange to be arranged in a position behind said lip on said first ring.

20. In a flexible mount for guns, the combination of a lower fixed ring, an upper rotatable ring and antifriction bearings means between said means arranged at an angle of approximately 45° to both of said rings.

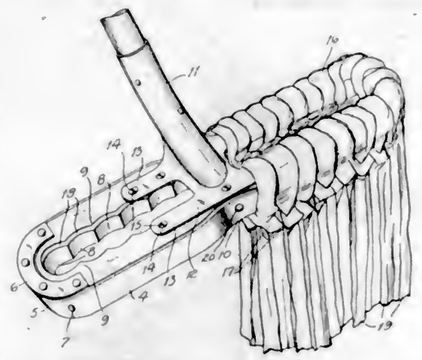
1,588,263. GARMENT HANGER. GREGORY PENN, Dallas, Tex. Filed July 9, 1925. Serial No. 42,433. 4 Claims. (Cl. 211—17.)



4. A garment hanger comprising a supporting rod, a hanger carrying bar slidable in parallel spaced relation to and mounted on said rod, and latch means arranged on one end of the supporting rod to hold the bar in closed position and frictionally engage said bar during movement of the latter.

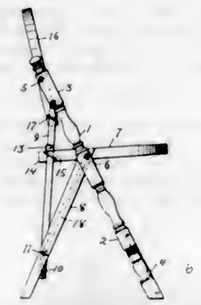
1,588,264. MOP. EDWARD PRENDERGAST, St. Louis, Mo. Filed Sept. 4, 1925. Serial No. 54,495. 3 Claims. (Cl. 15—228.)

1. A mop comprising an elongated body of wood provided near each end with an elongated corrugated slot, said slots being separated by central web forming a frame, a reinforcement for each end of the body, a handle socket including a plate provided with projections having openings therethrough, headed means cooperating with said openings and body for securing the



socket to the upper face of the body, and a series of rag strips passed through said slots and tied around the frame.

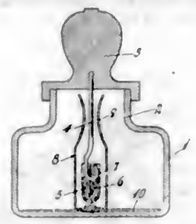
1,588,265. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed Feb. 6, 1925. Serial No. 7,424. 3 Claims. (Cl. 155—142.)



1. In a folding chair, a pair of side frame members spaced apart; a transverse rod connecting said members centrally; a pair of folding legs on said rod respectively adjacent the inner faces of the corresponding frame members; a seat having pivotal support on said transverse rod between said legs; a pendant prop having pivotal connection with each of said frame members at a point thereon above the seat; a transverse bar connecting said props at points thereon above said seat; a shackle loop on each side of the seat adjacent the rear end thereof, each loop encompassing the adjacent prop; a back member having pivotal support in connection with said side members so as to turn upon a horizontal axis above said props; and a shackle loop on each side of the back member adjacent the lower end thereof encompassing respectively the adjacent prop, said loops having limited movement on said props.

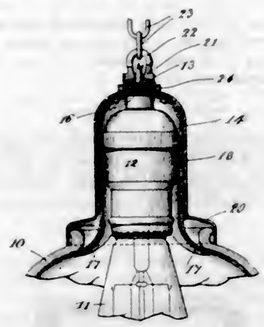
1,588,266. MOISTENING BOTTLE. FRANK G. REMPE, Oakland, Calif. Filed Nov. 8, 1924. Serial No. 748,607. 5 Claims. (Cl. 91—67.1.)

5. In a device of the class described, a bottle, a handled stopper, a rod depending from said handle, a swab, a plate in said swab, a hook formed on said rod adapted to extend through said rod and said plate,



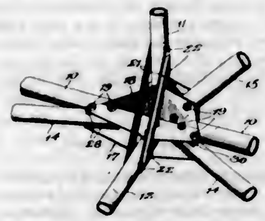
and a U shaped plate having a constricted upper portion mounted in said bottle between which said swab is adapted to be placed.

1,588,267. LIGHTING FIXTURE. GROSVENOR P. ROBINSON, Summit, N. J., assignor to The Jefferson Glass Company, Follansbee, W. Va., a Corporation of West Virginia. Filed Aug. 11, 1925. Serial No. 49,516. 2 Claims. (Cl. 240—133.)



1. A device of the kind described comprising a lamp socket having a threaded stud, a shell covering said socket and having a central opening in its top for the passage of said threaded stud, the lower portion of said shell being downwardly extended on two opposite sides in the form of outwardly curved wings, an outer shell covering said inner shell, also provided with an opening in its top for the passage of the socket stud, said outer shell having an enlarged bottom, a nut screwed upon the socket stud, said nut being threaded on its exterior, and a clamping nut fitted thereon.

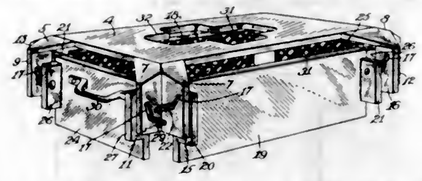
1,588,268. FUSELAGE CONSTRUCTION. JEAN A. ROCHE, Dayton, Ohio. Filed Apr. 30, 1923. Serial No. 635,577. 4 Claims. (Cl. 244—31.)



1. In a frame structure, tubular frame members, gusset plates arranged on opposite sides of adjacent portions of said tubular frame members, a plurality of

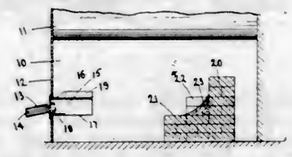
fastening members passing through said frame members and said gusset plates and reinforcing means in the frame members in the region of said fastening members to resist crushing strains.

1,588,269. SELF-ADJUSTING SAND-MOLD BOX. JOSEPH J. ROURKE, Terre Haute, Ind. Filed Nov. 13, 1924. Serial No. 749,635. 4 Claims. (Cl. 22—112.)



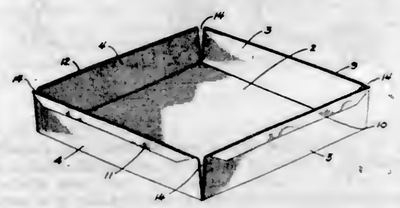
1. A self-adjusting sand mold box including a top slab provided with projecting pairs of guide wings having each an inclined guide slot therein, and a plurality of clamp plates arranged between the wings of the pairs respectively and provided with lug pins movably extending through the slots in the wings.

1,588,270. OIL-BURNING FURNACE. HENRY J. G. RUDOLF, New York, N. Y., assignor to Valveless Oil Burner Corporation, New York, N. Y., a Corporation of New York. Filed June 14, 1923. Serial No. 645,418. 3 Claims. (Cl. 158—4.)



3. In a furnace, the combination of a combustion pot having top and side walls and a bottom wall which extends part way only of the distance from front to rear, said pot being open at its rear and at the rear portion of its bottom, with a burner having oil and air passages entering the front of the combustion pot and arranged to cause impingement of the delivered oil and air against said top wall, and a baffle located at the rear of said combustion pot in position to be impinged upon by the flame issuing from the latter and including a mass of absorptive refractory material adapted to absorb particles of unburned oil in the flame.

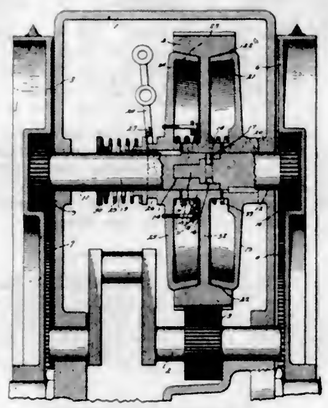
1,588,271. INTERLOCKING TRAY. WINTFORD W. SAINT, Piedmont, and WARREN HIGGINS, Oakland, Calif.; said Higgins assignor to said Saint. Filed Aug. 25, 1924. Serial No. 733,960. 3 Claims. (Cl. 220—1.)



1. A tray formation consisting of a plurality of trays, each tray having down-turned flanges at opposite sides, the flange on one side being of such height and size as

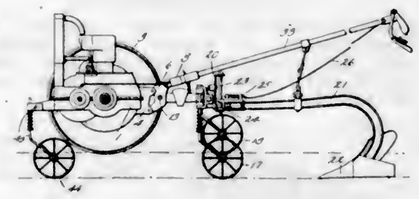
to detachably overlie the flange of an adjacent tray, the latter flange being of a lesser height and size than the said overlying flange.

1,588,272. CLUTCH FOR TRACTORS. GEORGE H. SCANLAN, New York, N. Y.; Mary G. Scanlan administratrix of said George H. Scanlan, deceased. Filed Dec. 24, 1919, Serial No. 347,057. Renewed Oct. 30, 1925. 8 Claims. (Cl. 192—48.)



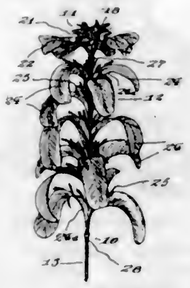
8. A clutch for tractors, comprising a divided shaft, a gear having outwardly diverging faces movably mounted on said shaft, a splined clutch member on one side of said gear, a fixed clutch member on the other side thereof, and means associated with said clutch members and gear for permitting the fixed clutch member to remain engaged with said gear until after the splined clutch member has been withdrawn from engagement with said gear.

1,588,273. TRACTOR AND GUIDE. GEORGE H. SCANLAN, New York, N. Y.; Mary G. Scanlan administratrix of said George H. Scanlan, deceased. Filed Apr. 12, 1920. Serial No. 373,113. 2 Claims. (Cl. 97—48.)



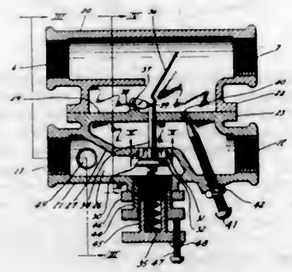
1. In combination with a two wheeled tractor carrying a transverse rod, and caster wheels adjustable on said rod, handles extending rearwardly from said tractor, a plow beam connected to said transverse rod by a vertical pivot and adjustable vertically and laterally on said rod, a transverse bar clamped on said beam and extending on both sides thereof, clamps adjustable along said bar, and links connecting said clamps to said handles.

1,588,274. ARTIFICIAL FLOWER AND METHOD OF MAKING SAME. RUDOLPH S. SCHLOSSER, New York, N. Y. Filed Jan. 12, 1926. Serial No. 80,737. 7 Claims. (Cl. 41—13.)



1. An article of the class described having a bloom portion of feathers, the calyx thereof being formed of feathers having their main stems cut away to present a drooping appearance.

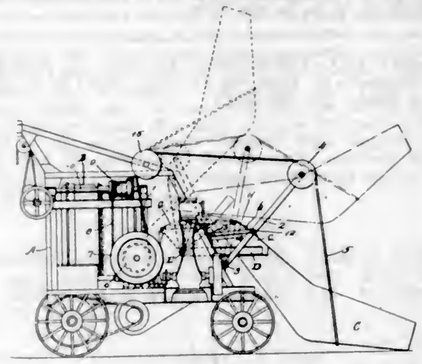
1,588,275. AUTOMATIC CONTROLLING DEVICE FOR PRINTING MACHINES. CHARLES C. SCHUTTE, Indianapolis, Ind. Filed Aug. 15, 1925. Serial No. 50,505. 7 Claims. (Cl. 34—18.)



1. In a printing press having feeding means for sheets of paper and pneumatic controlling means for such sheets, a pipe having a plurality of outlets for emission of air under pressure, a gas pipe having a plurality of outlets adjacent the path of the sheets of paper, means for stopping the flow of air to the air emission pipe, and means controlled by the flow of air for stopping and starting the flow of gas in the gas pipe, substantially as set forth.

1,588,276. HOIST FOR POWER LOADERS. SAMUEL SHAFER, Jr., and ARNOLD REUSS, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 9, 1924. Serial No. 705,271. 8 Claims. (Cl. 214—130.)

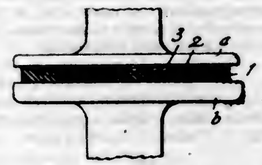
1. The combination with a tiltable vessel, of a cable connected thereto for operating it, a winding drum for the cable, a guide across which the cable passes in its course from the winding drum to the vessel, a movable support carrying the said guide, and a permanent connection between the vessel and support arranged to cause the support to be shifted simultaneously with the tilting of the vessel and in advance of the latter.



1,588,277. EXPLOSIVE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Original application filed Mar. 16, 1921, Serial No. 452,734. Divided and this application filed Dec. 11, 1924. Serial No. 755,321. 5 Claims. (Cl. 52—11.)

1. An explosive composition comprising an explosive agent, an oxidizing agent and a chlorinated hydrocarbon.

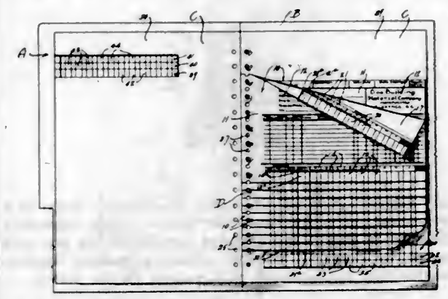
1,588,278. PROCESS OF PRODUCING REPLICAS OF TEXTILE SAMPLES. BERNARD F. STENZ, New York, N. Y. Filed Sept. 22, 1922. Serial No. 589,940. 6 Claims. (Cl. 18—61.)



2. The method of producing replicas of a textile sample which comprises embedding a sample of textile fabric in and substantially flush with the surface of an uncured rubber blank, retaining the sample in position while the blank is vulcanized, removing the sample, applying another uncured blank to the surface of the vulcanized blank, and subjecting the blanks to pressure to force a portion of the uncured blank into the recess in the vulcanized blank.

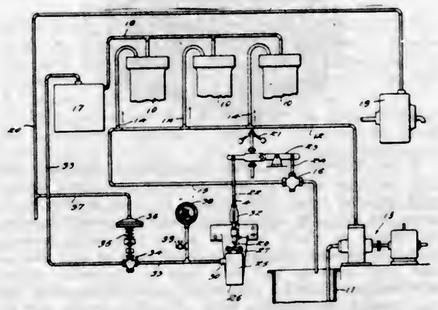
1,588,279. ACCOUNT JOURNAL. ARTHUR M. STRICKLAND, Florence, S. C. Filed Sept. 1, 1922. Serial No. 585,747. 13 Claims. (Cl. 283—66.)

1. In a device of the class described, the combination of a master sheet having appropriately designated total receiving entry spaces thereon, and a plurality of voucher sheets of the same size, each having a plurality of distribution spaces arranged along the marginal edge thereof appropriately designated by various account transactions and including an appropriately designated space for receiving a total of all transactions, said sheets being disposed in superposed relation with each having its lower edge in spaced relation above the lower edge of the sheet beneath it whereby the distribution spaces are exposed and cooperating to provide vertical columns, like transactions of different sheets being arranged in the same column and the totals of each voucher being arranged



in alignment, each of the columns provided by the arrangement of the respective entry spaces of the voucher sheets having a total receiving entry space upon the master sheet aligning therewith.

1,588,280. STOP FOR THE OIL ENGINES OF PUMPING SYSTEMS. FRANK S. STRITE, New York, N. Y. Filed Feb. 27, 1926. Serial No. 91,274. 4 Claims. (Cl. 163—17.)

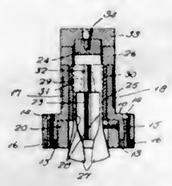


1. In control mechanism for preventing excessive pressure in the discharge lines of Diesel engine operated pumps where the Diesel engine includes a pressure fuel feed and a control valve for regulating the pressure of of the fuel feed, a source of fluid under pressure, a cylinder, a piston therein, a conduit connecting the source of pressure and the cylinder to admit pressure to the cylinder to move the piston in one direction therein, a normally closed valve controlling the passage of fluid pressure through said conduit, a connection between the exhaust of the pump and the valve whereby the last named valve is open upon the formation of a predetermined pressure in the discharge of the pump and an operative connection between the piston of the cylinder and the pressure control valve of the Diesel engine fuel feed line whereby the pressure of the fuel feed line is reduced below injection pressure when the piston is operated.

1,588,281. REMOVABLE BIT CHUCK FOR DIE HEADS. CHARLIE W. STYRON, Morehead City, N. C. Filed Mar. 27, 1924. Serial No. 702,267. 3 Claims. (Cl. 279—52.)

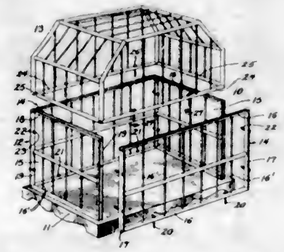
1. Chuck forming means applicable to die heads having radial bit seats, said means including a holder having radially outstanding lugs adapted to engage said seats and a cylindrical extension, the said holder and its extension being longitudinally slotted, jaws adjustable in

the slot of the holder, having a threaded portion movable in the slot of the holder extension and projecting therefrom at diametrically opposite points, an adjusting member including an adjusting ring and a sleeve telescoping



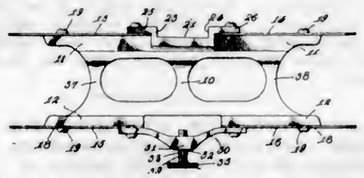
the holder extension, the ring cooperating with said cylindrical extension and the sleeve being internally threaded to engage the threaded portions of the jaw, and means to support the said adjusting member against longitudinal displacement with respect to the holder.

1,588,282. CAGE. HERMAN WACHSMAN, New York, N. Y. Filed Apr. 24, 1925, Serial No. 25,647, and in Germany Mar. 26, 1925. 1 Claim. (Cl. 119—17.)



A knock-down bird cage comprising a flat base, side wall sections and end wall sections, the outer rails of said sections being semi-circular in cross section to rest upon the flat base and to co-act at their meeting corners to appear as single vertical posts, removable fastening elements passing through the lower rails of said side and end wall sections and said base to vertically support said sections thereon, removable fastening elements passing through the meeting rails of said side and end wall sections, a top section of a size and shape to rest upon the top rails of said side and end sections, the marginal rails of said top section being semi-circular in cross section to co-act with the similar shape rails on the top of said side and end sections, and removable fastening elements passing through the meeting rails of the top section and said side and end sections.

1,588,283. GAUGE FOR RAKER TEETH. HENRY W. WALLACE, Monroe, Oreg. Filed Oct. 31, 1923. Serial No. 671,989. 3 Claims. (Cl. 33—202.)

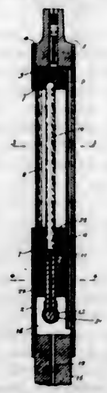


1. A saw gauge, comprising a frame, plates secured to the frame along one edge, and spaced to provide an opening therebetween, a slotted element extending into the opening, the slot admitting the teeth of a saw when other teeth engage the plates, and said slotted element including a central portion depressed toward one end more than at the other end, the slotted element being rigid with the plates and bridging the ends of the plates and cooperating with said plates for determining the extent of cut in the saw teeth.

1,588,284. PENHOLDER. FRANKLIN T. WARNER, Homer, N. Y. Filed Aug. 19, 1925. Serial No. 51,225. 1 Claim. (Cl. 120—101.)

In a penholder, a handle, a ferrule member secured upon one end thereof and formed with a hole, a clamping member disposed within the ferrule and having a button projecting through said hole, and serving as a pivotal mounting, the clamping member cooperating with the adjacent portion of the ferrule for maintaining a pen point in position, and spring means within the ferrule engaging the clamping member, the spring means being formed as a single length of resilient wire bent into substantially V-shape, one end portion engaging against the inner periphery of the ferrule and the other end portion engaging against the inner side of the clamping member, the end of the handle being formed with a slot receiving the bent portion of the spring.

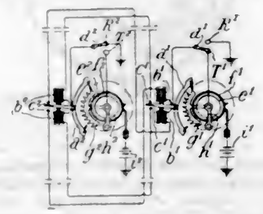
1,588,285. AIR-PRESSURE GAUGE. EDWARD G. WEAVER, Butte, Mont. Filed June 26, 1924. Serial No. 722,530. 1 Claim. (Cl. 73—110.)



A gauge for measuring fluid pressure, comprising a tubular member having an opening at one end, a collapsible container connected with said tubular member

and in free communication with the interior thereof in said opening, a casing for said tubular member and container, said casing being provided with a window, a cushioning member engaging the upper part of the casing and the upper part of the tubular member for holding the same opposite said window, a supporting and cushioning member engaging part of the tubular member near said container for centering and holding in operative position the lower part of the tubular member so that the tubular member may be properly seen through said window, a liquid within said container adapted to be moved into said tubular member in proportion to the collapsed condition of the container, said container being disposed in the fluid, the pressure of which is to be measured, and means forming part of the casing for directing fluid to a point near said container.

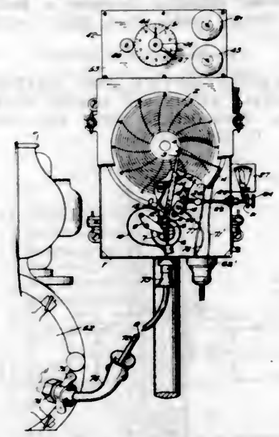
1,588,286. CONTROL MECHANISM. CHARLES WEISMANN, Paris, France. Filed Aug. 9, 1921, Serial No. 491,028, and in France Aug. 10, 1917. 4 Claims. (Cl. 172—298.)



1. In combination, a plurality of relatively distant stations adapted to serve respectively for transmitting and receiving, each station comprising a local electric current source, and initial control lever means and cooperating interrupted conductor ring means controlling the local electric current source, escapement wheel means connected to the conductor ring means, means for rotating said conductor ring means and escapement wheel means, escapement anchor means cooperative with the escapement wheel means to permit a step-by-step movement thereof, and escapement electromagnet means controlling the movements of said anchor means, interconnecting means between the stations for causing the anchor means of the receiving station to follow, step by step, the movements of the anchor means of the transmitting station, but preventing the anchor means of the transmitting station from causing advance of its escapement wheel means through another step until after the preceding step has been repeated by the escapement wheel means of the receiving station, contacts controlled by the anchor means in each station, and escapement electromagnet means operatively to cause intermitten movements of the anchor means in said stations, said escapement electromagnet means being connected to the local electric current source of the transmitting station through the initial control lever means and conductor ring means of the transmitting station and being disconnected therefrom when the interruption of the conductor ring means of the transmitting station comes opposite to its initial control lever, whereby the conductor ring means of the transmitting and receiving stations will then come to rest in the same relative positions.

1,588,287. TEMPERATURE-CONTROLLED, TEMPERATURE-INDICATING, AND TIME-DURATION-INDICATING DEVICE. JOSEPH WILLMANN, Derby, Conn. Filed Aug. 21, 1922. Serial No. 583,267. 6 Claims. (Cl. 177—311.)

1. A temperature controlled time duration indicator including a thermal switch and a time switch, a circuit closed by said thermal switch, a signal in said circuit operable upon closure of its circuit, means actuated upon closure of the thermal switch to start in operation said



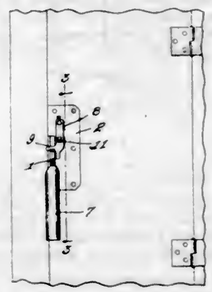
time switch, a circuit closed by said time switch after a predetermined period of operation of said time switch, and means in said circuit operable upon closure thereof to render said time switch inoperative.

1,588,288. CHLORINE-CONTAINING SOLUTIONS. JOHN H. WRIGHT, Montclair, N. J., assignor to Zonite Products Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 20, 1924. Serial No. 757,109. 6 Claims. (Cl. 167—3.)

1. An aqueous solution of a salt of an alkali forming metal containing "available chlorine" equivalent to about one-tenth of the weight of said salt, and also containing a small fraction of a percent of free alkali.

6. An aqueous solution containing about ten per cent of sodium chloride, and about one per cent of "available chlorine" and about three-hundredths of one per cent of caustic soda.

1,588,289. LATCH. LOUIS A. YENICHEK, Hanford, Wash. Filed Jan. 25, 1926. Serial No. 83,665. 1 Claim. (Cl. 292—231.)

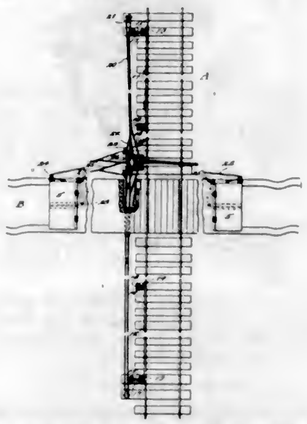


A latching device, comprising a lever pivoted in an opening in the barrier and having a latching head at one end for engaging a keeper, a handle at its opposite end which acts as a weight to hold the lever in latching position, said head having a horizontal wing forming a finger piece, a locking member for the lever comprising a bar having a finger part thereon and an arm having a notch for engaging a part of the lever and a handle member passing through the barrier and connected with the bar.

1,588,290. POLISHING COMPOUND. FRED W. ALPERS, Muskegon, Mich. Filed June 26, 1924. Serial No. 722,549. 4 Claims. (Cl. 51—280.)

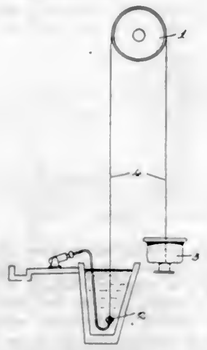
2. A polishing compound including a finely ground mixture of cement, pumice stone, fuller's earth, emery and cutting oil.

1,588,291. SAFETY DEVICE FOR GRADE CROSSINGS. ATWELL AUSTIN and HOWARD WILSON, Lansing, Kans. Filed Oct. 23, 1925. Serial No. 64,423. 3 Claims. (Cl. 246—293.)



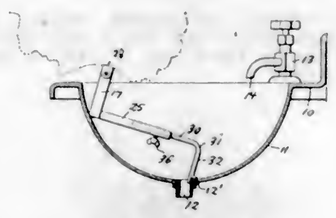
1. In a protective device of the character described, pits located in a roadway at opposite sides of a track, covers normally covering said pits, spring means tending to swing said covers to open position exposing the pits, spring pressed latch means normally holding said covers in closed position, rail members located alongside the track and engageable by the wheels of a passing train, lever devices connected with and operated by movement of the rail members, and flexible members connected with said levers and with the latch devices and covers, movement of a rail member in one direction applying tension to the flexible members for releasing said catch means, and movement of the flexible members in the opposite direction acting to reclose the cover members.

1,588,292. APPARATUS FOR MAKING THREADS AND THE LIKE OF ARTIFICIAL SILK. HERBERT BADER, Vienna, Austria. Filed Mar. 5, 1926, Serial No. 92,511, and in Czechoslovakia Feb. 9, 1925. 2 Claims. (Cl. 18—8.)



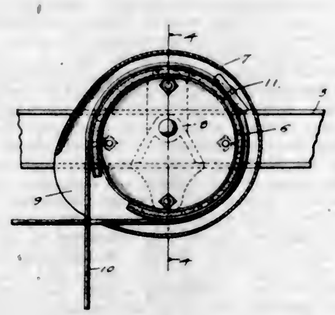
1. Apparatus for making threads of artificial silk, comprising a tank to contain a precipitant, a spinning vessel at one side thereof, a spinneret submerged in the precipitant in said tank with its outlet orifice directed upwardly, and a drawing roller located above the tank and spinning vessel in such a position that a downwardly-extending line tangent to the circumference of the roller at one end of its horizontal diameter will pass perpendicularly through the outlet orifice of the spinneret while a similar tangent at the opposite end of said diameter will pass perpendicularly through the center of the spinning vessel.

1,588,293. HEADREST. PINKNEY P. BAILEY, Marshfield, Oreg., assignor of one-half to Leve W. Dennison, Marshfield, Oreg. Filed June 27, 1925. Serial No. 40,117. 2 Claims. (Cl. 4—159.)



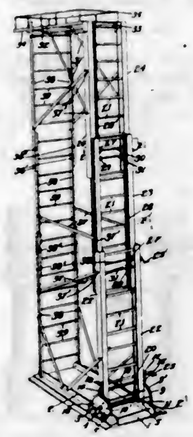
1. A device of the class described, comprising a frame, a strip extending across the frame and adapted to contact with the forehead of the user, for supporting the head over a basin or the like, adjustable means for supporting the frame near the upper edge of the basin, said adjustable means including a tubular portion and a leg portion having a forked foot member formed thereon proportioned to engage the edge of an outlet connection of a basin without obstructing said outlet.

1,588,294. SNUBBER. JAMES W. BARNES, Cleveland, Tenn. Filed Dec. 11, 1924. Serial No. 755,238. 1 Claim. (Cl. 267—10.)



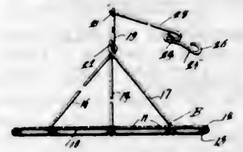
A snubber comprising a housing, a drum extending laterally from said housing, said housing being open at one side, a closure for said side, said drum extending completely across the housing, a bracket secured to and rigidifying the closed wall of the housing, said bracket having an extension adapted for disposition in a channel beam in combination with securing means engaging the beam, the circumferential wall of the housing being open at a portion thereof and snubbing means engaging said drum passing through the opening of said lateral portion for connection to vehicle parts.

1,588,295. COLLAPSIBLE PLATFORM SCAFFOLD LADDER. JACOB BERMAN, Revere, Mass. Filed May 6, 1925. Serial No. 28,517. 3 Claims. (Cl. 304—3.)



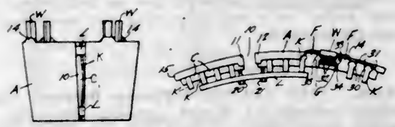
1. In a scaffold structure, a base, a ladder member comprising a plurality of extensions, a runged scaffold member comprising a plurality of extensible units, and a platform carried by the ladder member at one end, and supportable by the scaffold member and detachable brace members disposed between the ladder and scaffold member.

1,588,296. CLOTHES DRAINER. RODGER A. BIRT, Beloit, Kans., assignor of one-half to Lester L. Ensign, Sylvan Grove, Kans. Filed June 19, 1924. Serial No. 721,093. 1 Claim. (Cl. 68—30.)



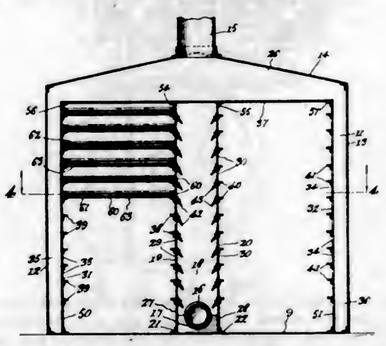
In a combination with a wash boiler and a perforated false bottom arranged therein, an inverted V-shaped member attached to each end of the false bottom, a hook connected to each of the V-shaped members and terminating in an eye at its upper end, a length of rod engaged in each of the eyes, a hook formed at the upper end of each of the lengths of rod and normally engaged with the upper edge of the wash boiler, the first mentioned hooks being adapted to engage the upper edge of the wash boiler when the false bottom is disposed adjacent to the upper edge of the boiler.

1,588,297. TIGHTENING MEANS FOR JORDAN SHELL LININGS. ARCHER LE ROY BOLTON, North Andover, Mass. Filed Oct. 20, 1925. Serial No. 63,776. 5 Claims. (Cl. 92—27.)



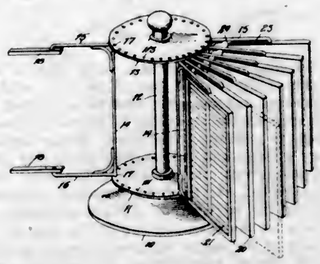
1. The combination in a bodily removable pre-constructed lining for Jordan engine shells, of a plurality of knives and separating members associated with annular connecting members in such a manner that the knives and separating members cannot move radially, but can move circumferentially; with a tightening wedge driven in between the knives and separating members in such a manner that its large end protrudes therefrom.

1,588,298. DEHYDRATING PLANT. GEORGE W. BOOKSH, Jr., Sherburne, La. Filed Jan. 13, 1926. Serial No. 81,047. 6 Claims. (Cl. 34—39.)



1. A dehydrating plant comprising an external casing having an outlet at its upper portion, an internal structure within said casing providing a central hot air distributing space and lateral drying chambers beside said space, said structure being spaced from the sides of said drying chambers to provide flues in communication with the drying chambers and with the upper portion of the external casing, a roof over said drying chambers and central space, and means to control the passage of the hot air from said distributing space to and through the drying chambers.

1,588,299. INDEX. ALEXANDER BOUCHER, Dedham, Mass. Filed Feb. 7, 1925. Serial No. 7,620. 5 Claims. (Cl. 40—74.)

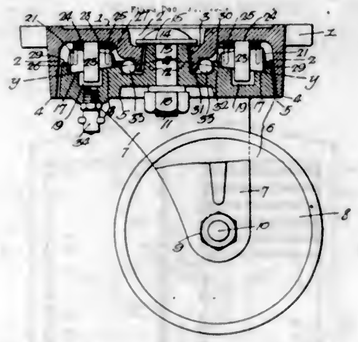


1. An index including a structure mounted to turn about a vertical axis, a series of frames mounted on said structure to turn therewith, a series of index panels, and means supporting said index panels and connected with said frame to have sliding movement inward or outward in the general plane of the panel.

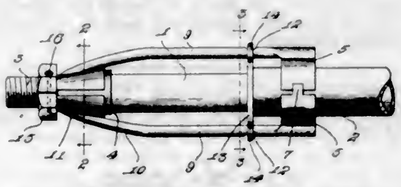
1,588,300. CASTER. JAMES BOWEN, Manheim, Pa., assignor to Bond Foundry & Machine Company, Manheim, Pa., a Corporation of Pennsylvania. Filed Dec. 19, 1924. Serial No. 756,920. 7 Claims. (Cl. 16—20.)

1. The combination in a caster, of a supporting wheel, a base member, a swivel member connected with the wheel and movable with respect to the base member about a vertical axis, the base member being provided with a flat annular raceway and the swivel member being provided with two spaced beveled annular raceways, a series

of rollers between the two members, each roller having a relatively large central cylindrical portion engaging the first said raceway and travelling freely between the second said raceways and also having two trunnions respectively engaging the second said raceways and so tapered as to have true rolling contact therewith, and a spacer for the rollers comprising a flat plate located between the roller trunnions and the base member and have apertures through which the central parts of the rollers project.

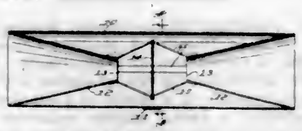


1,588,301. HOSE CLAMP. THOMAS T. BRAY, Duncan, Okla., assignor of one-half to Oscar Frensley and G. F. Womack, Duncan, Okla. Filed May 29, 1925. Serial No. 33,763. 2 Claims. (Cl. 285—84.)



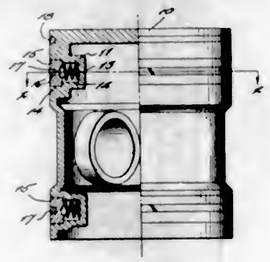
1. Means for coupling a hose to a metal pipe in which the hose is arranged over one end of the pipe, said pipe having its opposite end threaded and being formed with a conical enlargement, substantially U-shaped cooperating jaws arranged to surround the hose, spring arms extending from the jaws and terminating in conical sleeves which are disposed over the conical enlargement of the pipe, means adjacent to the jaws arranged around the arms for holding the latter from outward movement, and a nut adjustable on the threaded end of the pipe for contacting the ends of the sleeve sections to cause the latter to ride on the conical enlargement of the pipe and to bow said arms and to force the jaws into tight engagement with each other.

1,588,302. ANT TRAP. FRANK BROOKS, Donaldsonville, La. Filed Apr. 5, 1923. Serial No. 630,066. 1 Claim. (Cl. 43—121.)



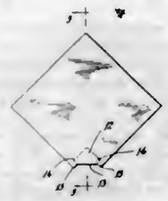
A trap for insects consisting of a tubular casing for disposition in normal horizontal position and provided with terminal inwardly directed funnel-shaped throats terminating short of the longitudinal center of the casing, and a deflector disposed intermediately between said throats and of a less diameter than the casing but of a greater diameter than the throats.

1,588,303. PISTON FOR INTERNAL-COMBUSTION ENGINES. JOHN W. BROSKI, HENRY L. HARVEY, and CLIFTON S. RINER, Richmond, Va. Filed Nov. 23, 1925. Serial No. 70,925. 1 Claim. (Cl. 74—108.)



The combination with a hollow piston formed with inwardly extending radial bores, of springs within the bores, an annular band having radial projections thereon, with rounded ends, for centering the springs, the piston having an annular channel receiving the band, the diameter of the bores being less than the width of the band, providing a continuous bearing for the edges of the band and said band having an annular channel, and a piston ring mounted within the channel of the cushion band.

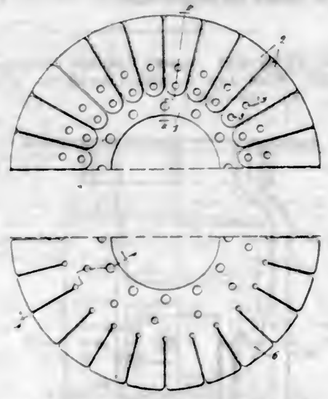
1,588,304. COMPOSITION SHINGLE. ABEL L. BROWNRIGG, East Orange, N. J., assignor to Fenton R. Brydle, Jamaica, N. Y. Filed Feb. 7, 1925. Serial No. 7,533. 7 Claims. (Cl. 108—7.)



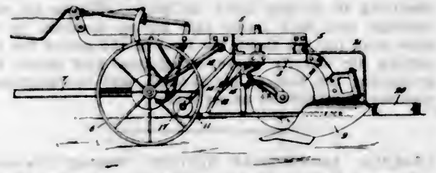
1. A shingle having its lower portion formed with downwardly converging side edges, said shingle having two laterally spaced apart downwardly projecting tip members at its lower extremity, and an underturned tab member folded on a line connecting the base portions of said tip members.

1,588,305. DISK CLUTCH. EUGÈNE BUISSON, Paris, France, assignor to Société Anonyme Francaise du Ferodo, Paris, France. Filed June 27, 1923, Serial No. 648,100, and in France July 12, 1922. 3 Claims. (Cl. 192—107.)

1. A clutch disk for use in a clutch of the multiple disk type and which is divided in the direction of its thickness and so disposed as to leave between the divided parts a space whose width increases from the center to the periphery, the constituting elements of the said disk being beveled on at least one of their faces in such a manner as to provide the said space of increasing width.

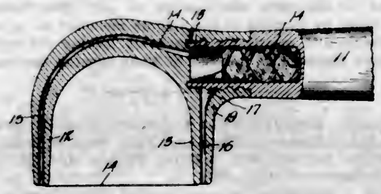


1,588,306. CANE CULTIVATOR. GROVER WADE BURDIN and MAURICE J. LANDRY, St. Martinsville, La. Filed May 23, 1925. Serial No. 32,353. 1 Claim. (Cl. 55—60.)



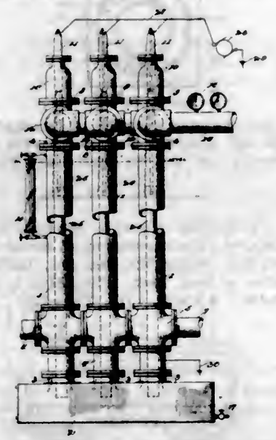
The combination, with a cane cultivator comprising a frame, supporting wheels therefor, and off-barring earth working elements carried by said frame, of a pair of horizontal angularly disposed shaver blades carried by said frame in advance of said off-barring elements, adapted to shave off the top of a row of plant canes, stubbles, and the like; a coulter wheel carried by said frame, adapted to break the ground in advance of said shaver blades; and a fluke also carried by said frame, for smoothing off the top of the row subsequent to the action of said off-barring elements.

1,588,307. DENTAL FLOSS HOLDER. ROBERT WALTER CAMMACK, Whittier, Calif. Filed Jan. 26, 1926. Serial No. 83,927. 11 Claims. (Cl. 132—92.)



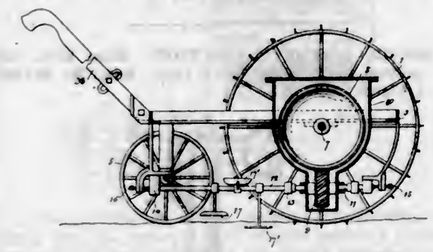
8. A holder for dental floss comprising a pair of spaced prongs, passages therethrough terminating at the base of one of the prongs and unitary means operable to engage the ends of the dental floss, but being adapted to engage one end of the floss before it engages the other end thereof, substantially as set forth.

1,588,308. ART OF TREATING HYDROCARBONS AND OILS. LOUIS BOND CHERRY, Kansas City, Mo., assignor, by mesne assignments, to C. and C. Developing Company, Kansas City, Mo., a Corporation of Arizona. Filed Nov. 11, 1919. Serial No. 337,182. 27 Claims. (Cl. 196—57.)



1. In the treatment of oils and the like, subjecting the oil to cracking temperature at a cathode while subjecting the oil to an ionizing electric current flowing therethrough from an anode to said cathode.

1,588,309. THINNING-OUT AND WEEDING MACHINE. ANDERS CHRISTENSEN, Wilson, and AUGUST WARNER WARSEN, Hartford, Conn., assignors of two-thirds to said Christensen and of one-third to said Warsen. Filed July 15, 1925. Serial No. 43,830. 1 Claim. (Cl. 97—218.)

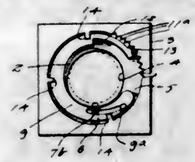


In a thinning out and weeding machine, a cutter blade, a shank extending therefrom, a fitting formed with a notch and a passageway, said shank extending through said passage-way, a clamping set screw for clamping said shank in said passage-way, a driving shaft, said notch being positioned to accommodate said driving shaft, and a set screw positioned to clamp said driving shaft so as to rigidly secure said fitting to the shaft, said last mentioned set screw being capable of clamping the fitting at any point around the periphery of the shaft and at any point longitudinally of the shaft.

1,588,310. BOLT AND NUT LOCK. CHARLES R. CONKLIN, Springfield, Mo., assignor of forty-eight one-hundredths to Andrew Jackson Conklin, Springfield, Mo. Filed Nov. 10, 1925. Serial No. 68,236. 3 Claims. (Cl. 151—23.)

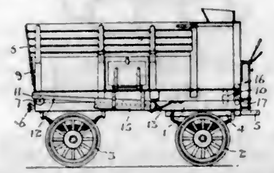
1. In a device of the class described, the combination with a bolt, of a nut having a longitudinal key-way

intersecting the threaded portion thereof and provided with an annular seat on its outer face surrounding the opening therein, a locking key adapted for introduction



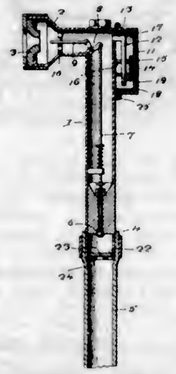
into said key-way, and a locking ring adapted to be positioned in the aforesaid seat and having an eccentric slot to receive the key to secure the key in locking position.

1,588,311. DUMPING WAGON. WILLIAM H. COOKE, Toronto, Ontario, Canada, assignor, by mesne assignments, to Convertible Wagon Trailers, Inc., Buffalo, N. Y., a Corporation of New York. Filed May 3, 1923. Serial No. 636,408. 1 Claim. (Cl. 298—12.)



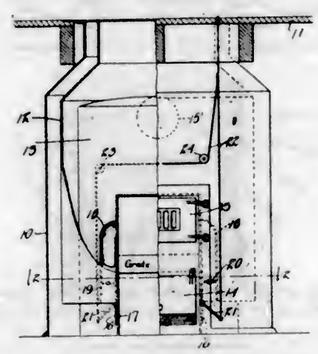
In a dumping wagon, the combination with the truck frame, of rollers supported in a fixed bearing at the rear of said frame, a body having guides thereunder resting upon said rollers and extending rearwardly and angularly upward from a point intermediate of the length of the body, said guides being formed with flanges extending to the outside of the rollers, said guides having return ends extending beneath the rollers to hold the body from disengagement from the rollers, and rollers on the forward end of said body.

1,588,312. GAUGE CONNECTION. ROSE ETTA COX, Oroville, Calif. Filed Jan. 4, 1924. Serial No. 684,407. 1 Claim. (Cl. 284—17.)



A device of the character described including an L-shaped tubular arm, a nipple at one end of the longer portion of said arm, a spring controlled valve within the nipple, a removable flexible seat at the shorter end of the arm, a bell crank at the junction of the parts of said L-shaped arm, a stem forming connection between the bell crank and the spring controlled valve, a rod having connection with the bell crank, a spider fastened in the arm through which the said rod is movable and means adapted to be passed through the flexible seat and engaging the rod for actuating the bell crank to unseat the spring controlled valve.

1,588,313. FURNACE. ALBERT VORHEES CULVER, Frankfort, Ind. Filed Aug. 3, 1925. Serial No. 47,894. 3 Claims. (Cl. 126—112.)



1. The combination in a pipeless furnace of a fire box, inner and outer casings for the fire box terminating in the door frame said door frame having openings in its sides near the bottom below the level of the grates for admitting air directly below the grates, closures for said openings said door frame also having openings in its sides near the top above the level of the grates for admitting air directly above the grates, and means for graduating the flow of air through said last-mentioned openings, substantially as set forth.

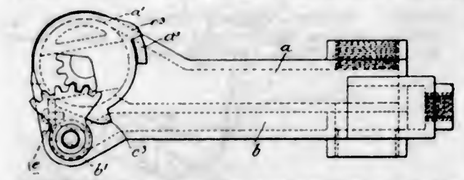
1,588,314. LOOSE-LEAF BINDER. ROBERT CUMMING, Toronto, Ontario, Canada. Filed Jan. 15, 1926. Serial No. 81,490. 4 Claims. (Cl. 129—41.)

1. In a loose leaf binder, the combination with the back members, of a spindle divided centrally of its length, links pivotally mounted on each back at one end and through the opposite ends of which the spindle extends to pivotally connect the links together, straps secured to the spindle members at one end and so connected to the back members as to pull them towards each other by turning of the spindle members in opposite directions, and means for detachably locking the spindle members together at the end of their turning movement.

1,588,315. LIQUID-FUEL BURNER. HAROLD EDWARD DALZELL, Eynsham, England. Filed Sept. 8, 1922, Serial No. 586,937, and in Great Britain Mar. 22, 1922. 6 Claims. (Cl. 158—78.)

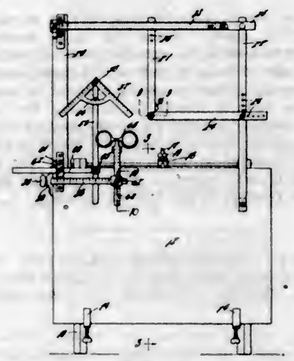
6. In a liquid fuel burner, a head having upper and lower valve chambers, a liquid fuel inlet to and a liquid fuel outlet from the upper chamber, an inlet to and an outlet from the lower chamber for the passage of an atomizing agent, rotary valves having passageways of triangular cross section mounted in said chambers, interengaging toothed sectors on said valves for ensuring

their simultaneous operation to proportionately vary the size of the outlets and a guide projection depending from the upper edge of the fuel outlet for the purpose of guiding the fuel discharged, said outlets being the final



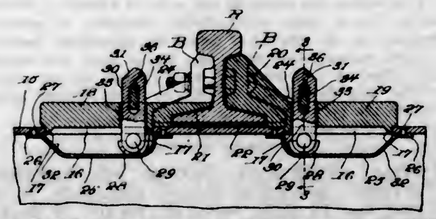
outlets from the burner and being disposed in close relation with each other to effect mixing of the fuel and atomizing agent when discharged from the burner to form the spray.

1,588,316. DRAWING DEVICE. SQUIRE E. DAVIS, New Albany, Ind., assignor to Mary I. Davis, New Albany, Ind. Filed May 18, 1925. Serial No. 31,143. 4 Claims. (Cl. 33—20.)



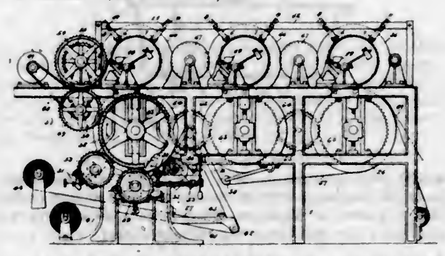
1. In a drawing apparatus of the character described, a support, a drawing board adapted to be arranged vertically thereon, a post rising from one corner of the board, a head support mounted on said board means whereby said head can be adjusted vertically and horizontally and the vision properly focused upon the object or scene to be drawn, and a parallelogram type pantograph supported on said post and including a pencil holder arranged for movement over the surface of the board, and a tracing point disposed at one corner of the pantograph for movement in the path of vision as and for the purpose specified.

1,588,317. RAILROAD-TIE CONSTRUCTION. JAMES DE CATUR, Lock Haven, Pa. Filed Jan. 29, 1926. Serial No. 84,707. 2 Claims. (Cl. 238—348.)



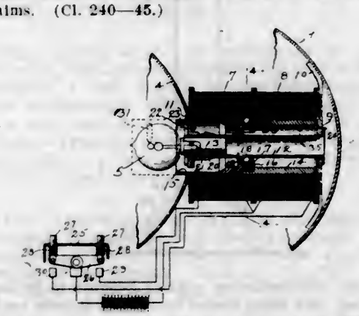
1. Rail fastening means comprising in combination with a tie having openings upon opposite sides of the rails, clamping members upon opposite sides of the rails and engaging the tie and rails, said members having openings therethrough, arms extending through the openings, of the clamping members and tie, means for pivotally securing the inner enda of the arms to the tie whereby the arms may be swung downward within the tie openings and adjustable means carried by the arms and engaging the clamping members.

1,588,318. COMBINED DOT AND FLAT CLOTH PRINTING MACHINE. LIEVEN LOUIS DE SMET, Fair Lawn, N. J. Filed Feb. 18, 1925. Serial No. 10,103. 2 Claims. (Cl. 101—116.)



1. In a printing apparatus, means for printing a fabric, means for flock printing on the same fabric before it leaves the printing apparatus, said last mentioned means including a plurality of flock printing rollers formed and positioned to print different colors simultaneously on said fabric in a certain position in respect to the printing done by the first mentioned printing means.

1,588,319. LAMP DIMMER. CHARLES W. EISELE, Flint, Mich.. Filed Oct. 14, 1921. Serial No. 507,711. 10 Claims. (Cl. 240—45.)

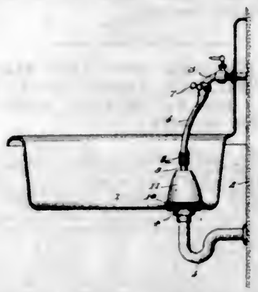


1. The combination with a reflector and a lamp coacting with the reflector, of a solenoid having a hollow core which in one position of adjustment surrounds the lamp and intercepts the rays thereof, which would otherwise reach the reflector and in its opposite position exposes said lamp, and detent means for the core tending to restrain it at the opposite limits of its range of movement.

1,588,320. FLUSHING ATTACHMENT FOR SINKS, BATHTUBS, AND THE LIKE. GEORGE KOMARCSEVITS and FRANK G. NUNN, Cleveland, Ohio; said Nunn assignor to said Komarcsevits. Filed Dec. 18, 1924. Serial No. 756,672. 1 Claim. (Cl. 4—256.)

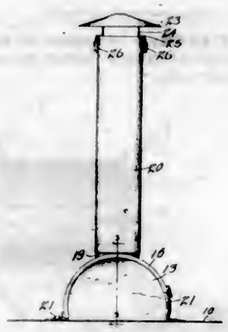
In a flushing attachment for sinks and the like, comprising a flexible hose, a metallic pipe secured in one end of said hose and having one end threaded, a block having an inclined outer wall and an internally screw-threaded opening centrally disposed therein for receiving the threaded end of said pipe, oppositely disposed lugs upon the outer inclined wall of said block, a bowl-shaped casing having a smooth non-flanged outer wall and an opening in its top portion having an inclined surrounding

wall provided with oppositely disposed L-shaped recesses formed therein for receiving the lugs of said block for attaching said casing thereto, spiral ribs on the inner wall of said casing to effect a whirling action of the



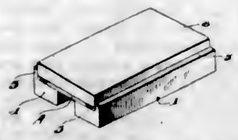
water passing therethrough, said spiral ribs extending from the discharge end to the top opening of said casing, and a gasket of L-shaped cross-section secured to and embracing the discharge end of said casing.

1,588,321. ADJUSTABLE ROOF SADDLE FOR BROODER HOUSES. FRED W. LORD, Tipton, Ind., assignor to The Oakes Manufacturing Company, Tipton, Ind., a Corporation of Indiana. Filed Oct. 19, 1925. Serial No. 63,567. 5 Claims. (Cl. 98—4.)



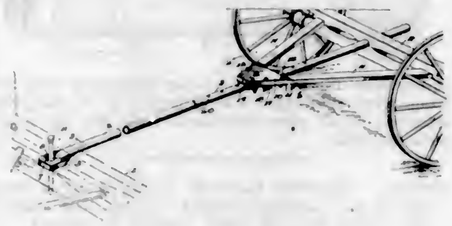
1. The combination of a plate adapted to be secured on a roof, said plate having an opening therethrough and upwardly extending curvilinear portions at opposite ends of the opening, a hood mounted over said opening abutting said curvilinear portions and capable of curvilinear adjustment, said hood having a slot adjacent each end, and straps on said plate extending through said slots and bent over to hold the hood in sealing engagement with the curvilinear portions, substantially as set forth.

1,588,322. RAZOR-BLADE SHARPENER. THOMAS MCADOO, Philadelphia, Pa. Filed Apr. 4, 1924. Serial No. 704,237. 1 Claim. (Cl. 175—265.)



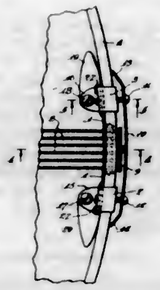
A razor blade sharpener comprising a flat metal body provided with a central longitudinal slot, said body being magnetized and adapted to receive a razor blade at flatwise engagement thereon, and upstanding flanges along the side edges of said block to prevent lateral displacement of the blade.

1,588,323. WAGON CONSTRUCTION. FRANCIS A. MACNAB, Salmon, Idaho. Filed Dec. 24, 1925. Serial No. 77,532. 4 Claims. (Cl. 280—140.)



1. A wagon reach comprising a tubular member, king bolt connecting means carried by said member, and means cooperable with the tubular member and adapted to fasten a pair of hounds thereto and comprising a pair of hound engaging plates, means adapted to secure the plates to the hounds, means for securing the plates to the tubular member against all except rocking movement, one of said plates having a recess in which a portion of the tubular member is fitted and means for clamping such portion in said recess to prevent rocking movement of the plates relative to the tubular member.

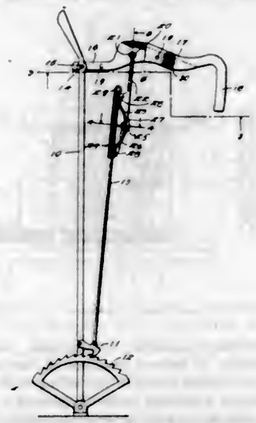
1,588,324. SNARE-WEAR-RELIEVING DEVICE. GEORGE MARTENS, New York, N. Y. Filed May 9, 1924. Serial No. 712,073. 5 Claims. (Cl. 84—415.)



1. A device for relieving the wear of snares of drums on the drum skin head, which comprises a member clamped to the rim of a drum, an adjustable bearing on said member over which the snares pass, and means for adjusting said bearings with respect to the plane of the skin head, said bearing on said member lying outside the periphery of the drum.

1,588,325. EXTENSION HANDLE FOR CONTROL LEVERS. RUSSELL S. MARTIN, Binghamton, N. Y. Filed Apr. 24, 1926. Serial No. 104,417. 4 Claims. (Cl. 74—39.)

1. In combination with a lever, a latch associated with the lever for retaining the lever in adjusted positions and a pull rod for said latch, a handle pivoted to the lever and extending outwardly at substantially right angles thereto, the outer end of the handle providing a hand grip, a member pivoted to the handle and slidably



embracing said pull rod, the upper end of the pull rod having a stop engaging with said member when the handle is elevated to a predetermined degree.

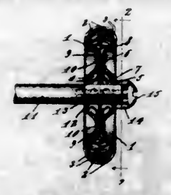
1,588,326. CENTRAL BUFFER COUPLING FOR RAILWAY AND LIKE VEHICLES. JOHN MITCHELL and JOHN CECIL GEORGE COSSEY, London, England. Filed Aug. 14, 1922, Serial No. 581,886, and in Great Britain Dec. 20, 1921. 5 Claims. (Cl. 213—8.)

1. A central buffer coupling for railway and like vehicles comprising in combination an under frame and longitudinals connected thereto, box members adapted to slide between said longitudinals, resilient means disposed between the inner ends of said box members and taking up both draft and buffing stresses in either direction, a pair of drawbars each of which is connected to the inner end of one box member and is adapted to slide in the end walls of the other box member.

1,588,327. AIRCRAFT-FRAMEWORK MEMBER. DERMOT J. MOONEY, London, England. Filed Jan. 22, 1926, Serial No. 83,106, and in Great Britain Dec. 10, 1924. 6 Claims. (Cl. 189—37.)

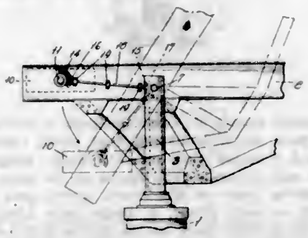
1. A hollow framework member comprising a plurality of cooperative longitudinal sections, the meeting edge portions of adjacent sections being formed to produce lap joints, at least two of said lap joints being provided and being disposed directly opposite each other, and combined strut and tie means connecting said oppositely disposed lap joints and serving also to secure the members of each of said oppositely disposed lap joints to each other.

1,588,328. HAND WHEEL. CHARLES R. MOORE, Newport, Vt. Filed Mar. 16, 1923. Serial No. 625,511. 2 Claims. (Cl. 16—117.)



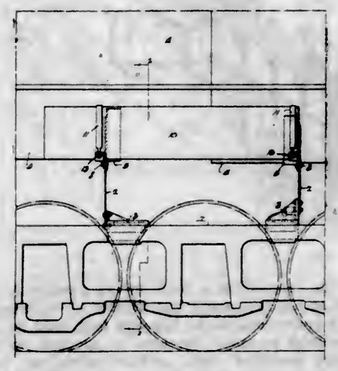
2. A hand wheel comprising opposed sheet metal disks each having peripheral fingers provided with tapered free ends, the fingers upon the two disks being inturned toward each other with the tapered end of each finger wedging inwardly between the tapered ends of the adjoining fingers of the opposed disk.

1,588,329. STABILIZER FOR PIVOTED COUNTERWEIGHTS OF BASCULE BRIDGES. SAMUEL MURRAY, Portland, Oreg. Filed Jan. 6, 1925. Serial No. 850. 4 Claims. (Cl. 14—38.)



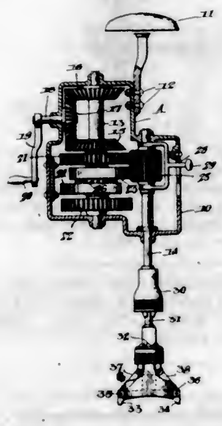
1. In a bascule bridge, the combination of a main bascule span, fixed supports on which the span is pivotally mounted, a rack secured to the fixed supports, a pivoted counterweight carried at the shore end of the span, a rack secured to the counterweight, and gearing interposed between the said racks for moving the counterweight about its pivotal mounting as the span is moved to open or closed position.

1,588,330. AIR-DRUM SUPPORT FOR LOCOMOTIVES. LAWRENCE L. NEEBE, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 28, 1925. Serial No. 72,004. 3 Claims. (Cl. 105—37.)



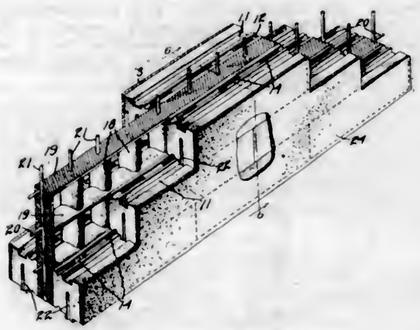
1. The combination in a locomotive boiler; a waist-sheet supporting the boiler; and an air drum carried by the waist-sheet independently of the boiler.

1,588,331. VALVE GRINDER. JOSEPH ETIENNE PELLETIER, Pelletiers Mills, New Brunswick, Canada. Filed Feb. 10, 1923. Serial No. 618,421. 3 Claims. (Cl. 74—50.)



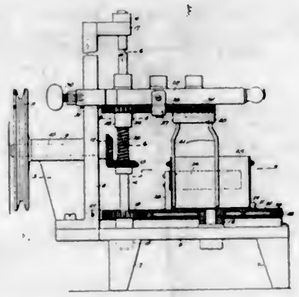
3. In a rotary tool, a bit carrying shaft, a sliding gear thereon, a main shaft, a driving gear keyed thereon, a full gear and a lesser gear on said shaft, adapted to engage with said sliding gear, a sleeve on the main shaft, a second driving gear on said sleeve, a full gear and a quarter gear on said sleeve, a single gear adapted to mesh with the driving gears on the sleeve and the shaft, whereby the shaft rotates in one direction and the sleeve in the opposite direction and means for adjusting the sliding gear.

1,588,332. BUILDING WALL. FRANK E. PETERS, Indianapolis, Ind. Filed Mar. 17, 1925. Serial No. 16,225. 5 Claims. (Cl. 72—29.)



1. A tile comprising a body having parallel horizontal channels in one face and a less number of correspondingly arranged projections on its opposite face, said projections being adapted to enter channels on another similar tile and being provided with pockets extending thereinto adapted to provide dead air cells when the tile is laid with other tiles of like conformation with the projections disposed in channels to form a structure, substantially as set forth.

1,588,333. PAINT-MIXING MACHINE. ANTHONY F. PURNER, Carlstadt, N. J. Filed Jan. 16, 1924. Serial No. 686,695. 5 Claims. (Cl. 259—85.)



1. In a mixing machine, a rotatable receptacle supporting member, a second supporting member mounted above the first-named member for adjustment toward and away therefrom, a mixing element carried by said second supporting member and adjustable therewith and into and out of a receptacle on said first-named supporting member, and driving means for rotating said first-named supporting member and said mixing element regardless of their relative adjustment

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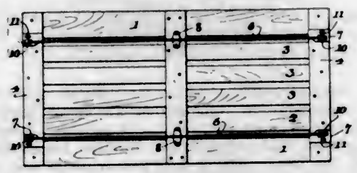
1,588,334. RAILWAY-CATTLE-CAR PARTITION. THOMAS L. PURVES, Williston, N. Dak. Filed Sept. 8, 1924. Serial No. 736,563. 4 Claims. (Cl. 119—11.)

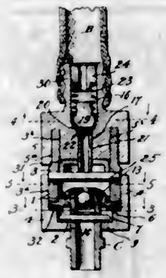


4. A railway cattle car partition comprising a gate like frame work composed of planks attached at their ends to uprights and to a center upright, castings provided with eyes attached to the end uprights, truss rods each passing from one end casting on one side of an end upright to an end casting on the same side of the other end upright and passing on the opposite side of the center upright, a plurality of chains each attached at one end to an eye of one of said castings and adapted to be passed around the car post and to engage an eye in a casting on the opposite side of the partition, and metal members adapted to embrace the car post and provided with means having perforations through which said chains pass whereby the chains are held out of contact with the car posts.

1,588,335. PROCESS OF MAKING PULP FROM HULLS. JEAN FRANCOIS PUTTAERT and HENRY FRANCIS JOSEPH PUTTAERT, San Francisco, Calif. Filed Feb. 12, 1920. Serial No. 358,024. 2 Claims. (Cl. 92—3.)

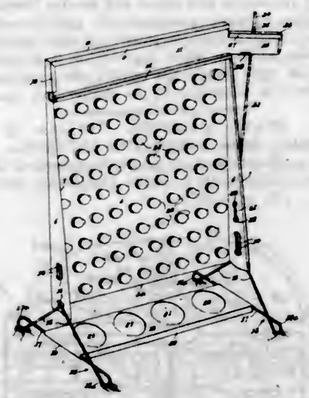
1. The process of extracting fibrous pulp from hulls of rice by placing the hulls in a closed vessel, placing water in the vessel so that it covers the hulls, placing about 5% solution of caustic soda in the vessel, approximately 25% by weight of the quantity of the hulls, boiling the mass under pressure of twenty to eighty pounds per square inch for six or eight hours thus extracting and settling the silicates, removing the fibrous pulp, washing the pulp, and then defibercating the pulp.

1,588,336. LUBRICATING APPARATUS. JESSE P. RICHMOND, Memphis, Tenn. Filed Oct. 6, 1925. Serial No. 60,848. 5 Claims. (Cl. 285—175.)



1. A coupling of the class described, comprising a casing adapted to be secured to the free end of a flexible delivery conduit, said casing being open at its outer end to permit the end portion of a grease cup tube or the like to enter the same, means for detachably connecting the casing to the grease cup tube, and a hollow gasket within the casing adapted to surround the outer end portion of the grease cup tube and to fit against the side wall and completely overlie the end wall of the same, said gasket being adapted to be tightly held by fluid pressure within the conduit close against the side wall and completely over and against the end wall of the end portion of the grease cup tube, the gasket having a central opening to align with the bore of the grease cup tube.

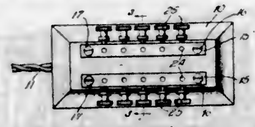
1,588,337. GAME APPARATUS. FRANK S. RODS, Jeannette, Pa. Filed Dec. 17, 1925. Serial No. 76,073. 6 Claims. (Cl. 273—138.)



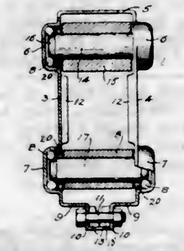
1. In apparatus of the type described, a vertical board, a multiplicity of disks scattered over the front face of said board and supported in a common plane parallel to the board, a player projecting means at the upper end of the board, and a platform having pockets located below the board.

1,588,338. ATTACHMENT FOR RADIO RECEIVING SETS. ELMER C. SALLWASSER, Berwyn, Ill., assignor of one-third to Bernard J. Palczynski, Chicago, Ill. Filed July 22, 1922. Serial No. 576,661. 1 Claim. (Cl. 179—91.)

Means for connecting up a series of head sets, comprising a block of insulating material, a pair of members, means for securing said members to the said block, the block being provided with sockets upon its under face, the securing means for said members being passed through the latter and the block and into said sockets, means on said securing means disposed in said sockets for connection of cables, the said members being provided with holes for the reception of the cables of head sets, and means cooperating with said holes for securing the last-named cables removably in place.

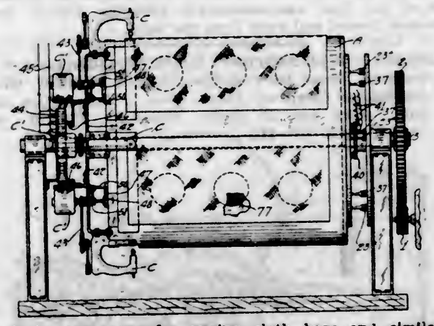


1,588,339. SPRING-END CONNECTION. RAYMOND R. SEARLES, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed June 27, 1925. Serial No. 39,955. 9 Claims. (Cl. 267—54.)



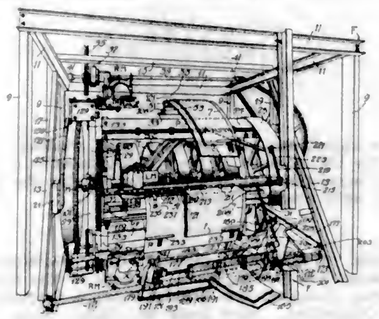
1. In an anti-friction spring shackle, a pair of sheet metal shackle links having struck up bearing seats for anti-friction bearing members thereon, means for connecting said shackle links at the end and longitudinally beyond the bearing seats thereon, and a second means for connecting said shackle links together.

1,588,340. METHOD AND APPARATUS FOR SEWING BAGS AND OTHER ARTICLES. CHARLES F. SPARKS, Alton, Ill. Filed June 30, 1924. Serial No. 723,191. Renewed June 15, 1925. 19 Claims. (Cl. 112—10.)



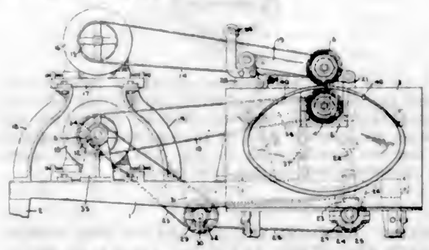
4. An apparatus for sewing cloth bags and similar articles, comprising a carrier that moves in a definite path, a plurality of separate and distinct automatic sewing units that move with said carrier, means for feeding an article onto said carrier in position to be acted upon by one of said sewing units each time one of said units passes a certain point in the path of travel of the carrier, and means for removing or discharging a sewed article from the carrier as each unit passes a different point in the path of travel of the carrier.

1,588,341. METHOD AND APPARATUS FOR SEWING BAGS AND OTHER ARTICLES. CHARLES F. SPARKS, St. Louis, Mo. Filed June 10, 1925. Serial No. 36,084. 49 Claims. (Cl. 112—10.)



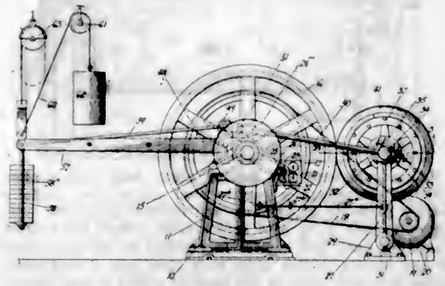
1. A method for sewing seams in material comprising moving the material at a given rate of absolute speed and sewing a seam therein substantially in the direction of motion at a lesser rate of speed with respect to the material than said absolute speed of the moving material.

1,588,342. BUFFING MACHINE. HORACE D. STEVENS and EDWARD D. PUTT, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 17, 1920. Serial No. 410,891. 6 Claims. (Cl. 15—40.)



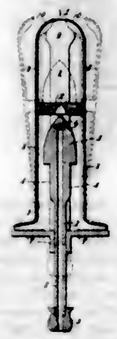
1. In a machine for buffing circular tire beads, a support for the bead, means on the support for guiding the bead for rotation about its axis, rotary brushes above and below the bead and means for vibrating one of the brushes toward and away from the bead.

1,588,343. TIRE-TESTING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 23, 1924. Serial No. 708,419. 8 Claims. (Cl. 73—51.)



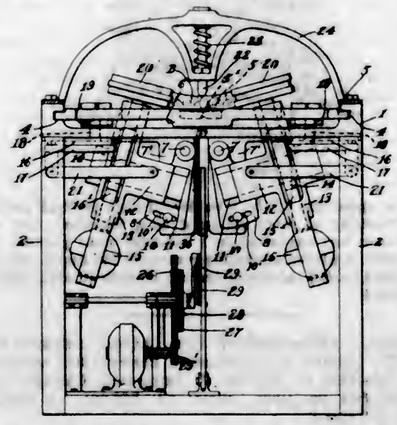
1. A tire-testing machine comprising a rotary drum, a tire-carrying device pivoted adjacent said drum, a bell-crank lever pivotally mounted adjacent the center of said drum, a link releasably connecting one arm of said lever with said tire-carrying device, and means effective on the other arm of said lever to urge said device toward said drum.

1,588,344. VAGINAL WASHER. WILLIAM T. VARNEY, Vancouver, British Columbia, Canada. Filed Dec. 14, 1922. Serial No. 606,878. 2 Claims. (Cl. 128—244.)



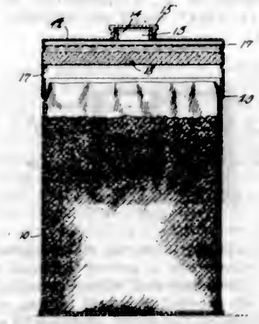
1. A vaginal dilator, comprising a central tube having a conoidal end provided with discharge apertures adjacent the point thereof, and having provision at the other end for connection to a source of liquid supply, a member endwise movable on the tube, said member having a series of relatively narrow dilator members projecting from it substantially parallel to the axis of the tube, said members having inwardly curved spoon-ends adapted to lie in contact when the dilator members are not expanded, said dilator members having inwardly projecting contacts adapted to be engaged by said conoidal end when brought in contact therewith to expand the dilator members outwardly upon forward movement of said conoidal end, means for limiting the movement of said endwise movable member whereby when the dilator is expanded said conoidal end will lie always within the confines of the dilator members substantially as shown and described.

1,588,345. STAVE MACHINE. WILLIAM H. BROWN, Winchendon, Mass., assignor to The Brown Package Company, Winchendon, Mass., a Corporation of Massachusetts. Filed July 3, 1922. Serial No. 572,464. 4 Claims. (Cl. 147—27.)



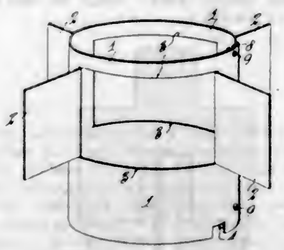
1. In a machine for tongue and grooving and tapering pail staves, a frame having a longitudinal slideway, a work slide movable in said slideway, a pair of transversely disposed spindle heads, means for angularly adjusting said spindle heads, each of said heads having a slideway disposed transversely of the machine, a spindle slide in each of said slideways and having a suitable spindle bearing, a cutter spindle in said bearing of each slide, cutters mounted on the upper ends of said spindles and positionable adjacent the line of travel of the work slide, templets adjustably supported at each end and disposed longitudinally of the machine on each side of the main slide, a transverse slide on each side of the machine mounted on suitable slideways, templet engaging members on each of said transverse slides, and a connection between the last mentioned transverse slides and the spindle slides.

1,588,346. HUMIDOR. ALBERT WILLIAM DUNAVAN and CHARLES M. RALSTON, Kingman, Ariz. Filed Aug. 14, 1925. Serial No. 50,309. 2 Claims. (Cl. 131—30.)



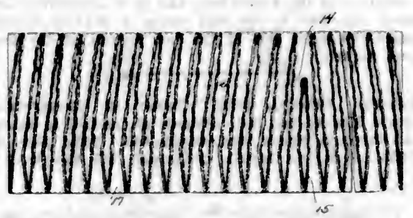
1. A device of the class described, comprising a can, a cover therefor including filling means, beads formed in the wall of the cover, and a porous mineral element mounted between the beads and below the top of the cover.

1,588,347. SAFETY APPLIANCE FOR LANTERNS. COMMIE L. ENNIS, Boykins, Va. Filed June 2, 1924. Serial No. 717,437. 1 Claim. (Cl. 240—38.)



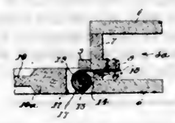
In combination with a railroad crossing lamp, of a tubular casing open top and bottom and adapted to be set over the lamp, said casing having lugs at the bottom serving as feet to rest on the base flange of the lamp, blinds stamped from the casing on two sides and bent to lie in planes intersecting the axis of the casing, thereby presenting diametrically opposite light openings and diametrically opposite "blinds", the latter being located ninety degrees from the former, substantially as shown and described.

1,588,348. RADIATOR FOR INTERNAL-COMBUSTION ENGINES. GROVER C. FARRIS, Norfolk, Va., assignor to Clifton R. Anderson, Ocean View, Va. Filed Feb. 7, 1923. Serial No. 617,595. 8 Claims. (Cl. 257—130.)



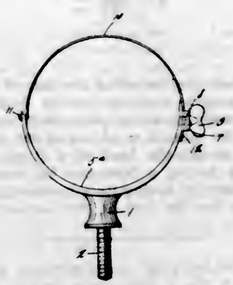
1. A radiator including a core comprising a series of water tubes forming walls for a series of alternating air spaces, the walls of adjacent tubes flaring forwardly and rearwardly from an intermediate point and being corrugated rearwardly of said intermediate point.

1,588,349. DOOR CLOSER. MARTIN FTACNIK, Caldwell, Ohio. Filed Mar. 27, 1924. Serial No. 702,308. 1 Claim. (Cl. 16—77.)



In a device of the type described, the combination with a hollow doorway frame having a slot formed in one vertical side portion and a flange within the bore of said side portion juxtaposed to said slot, and a door hingedly connected to said frame and having in its hinged edge a cutout portion horizontally alined with said slot and elongated recesses above and below and communicating with said cutout portion, of an angular bracket comprising end portions secured in said recesses and an offset central portion located in said cutout portion and out of contact therewith, and a strap spring having one end coiled around and secured to the offset central portion of said bracket and the other end threaded through said slot and secured to the flange of said vertical side portion.

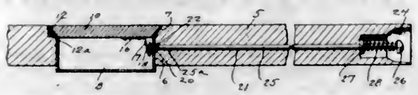
1,588,350. PIPE-HOLDING BRACKET. CHARLES W. GODWIN, Alliance, Ohio. Filed Mar. 4, 1924. Serial No. 696,854. 1 Claim. (Cl. 248—31.)



In a pipe holding bracket, a curvilinear body section having a slot adjacent to one of its ends and extending at right angles to its length and also having on its outer side adjacent to its opposite end a keeper loop, said loop having a threaded aperture in its outer wall, a screw having a shank bearing in said aperture, and a

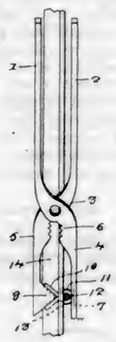
second curvilinear section or member having a reduced tongue at one end inserted through said slot of the first-named section and curled to form a hinge barrel and having at its opposite end a reduced terminal adapted to be sheathed in the keeper loop and to be adjustably fixed therein and held by the said screw in flatwise relation against the outer side of the end portion of the first-named section.

1,588,351. PENCIL BOX. HENRY B. GROSSNICKLE. North Manchester, Ind., assignor of one-half to Samuel A. Noftzger, North Manchester, Ind. Filed Nov. 27, 1925. Serial No. 71,861. 2 Claims. (Cl. 45—90.)



1. A container of the character described embodying a support, said support having an opening, a container disposed within the opening, the front wall of said container having an opening, said support having a passage adapted to register with the opening of the container, a lid hinged to the container, a spring latch member carried by the lid, said latch having a boss adapted to extend through the opening of the wall of the container and a spring pressed rod slidable in the passage of the support, and adapted to be urged into engagement with the boss to move inwardly of the container.

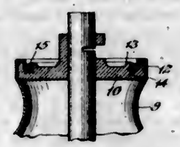
1,588,352. FENCE-STAPLE SPREADER. THOMAS A. GROSVENOR, Logan, Iowa. Filed Oct. 19, 1925. Serial No. 63,511. 2 Claims. (Cl. 81—15.)



1. A fence tool for spreading the legs of staples, comprising two handle members having lapping portions which are pivotally connected and which are extended to provide jaws, the inner face of one of the jaws having a depression to receive the head of a staple therein, and the second jaw having a V-shaped lug opposite the depression and said lug having its opposite edges grooved to provide guides for the legs of the staple.

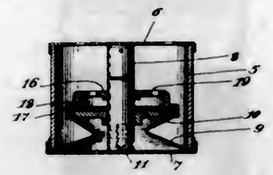
1,588,353. MEANS FOR CONNECTING A FLEXIBLE BODY WALL TO A BELLOWS HEAD. LEO J. GRUBMAN, New York, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Mar. 11, 1924. Serial No. 698,356. 10 Claims. (Cl. 46—46.)

1. In combination with a reciprocating head for one end of a chamber, means for sealing said end of the chamber comprising a flexible element adapted to be engaged with a marginal portion of the head, means for frictionally clamping said flexible element in connection



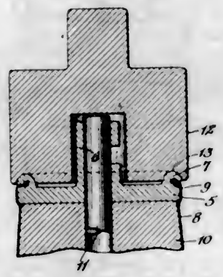
with said head, and a part inseparably carried by said head and engageable upon said clamping means to immovably lock the latter in place.

1,588,354. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Jan. 11, 1924. Serial No. 685,500. 5 Claims. (Cl. 46—46.)



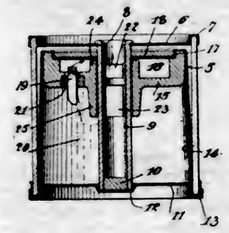
1. A sound producing device of the character described comprising a bellows and a gravity actuated weight for collapsing and distending said bellows, a sounding device perated by the air expelled from said bellows, articulating means for articulating the sound produced by said sounding device, said articulating means comprising means for periodically interrupting the sound produced by said sounding device and an encircling clamping ring for connecting one end of said bellows with said weight, said ring having an inturned flange adapted to extend over part of said weight.

1,588,355. METHOD AND MEANS FOR CONNECTING A FLEXIBLE BODY WALL TO A BELLOWS HEAD. LEO J. GRUBMAN, New York, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Feb. 7, 1924. Serial No. 691,102. 10 Claims. (Cl. 46—46.)



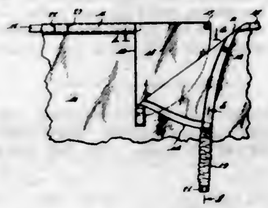
10. In a bellows, a tubular collapsible body wall, a weighty head for collapsing and distending said tubular bellows wall, said head having a surface to be engaged by the end edge of said wall, and a non-resilient part carried by said head and adapted to be displaced under pressure upon said edge of the tubular bellows wall to frictionally clamp and permanently confine the same against said surface.

1,588,356. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed Aug 7, 1923. Serial No. 656,166. 12 Claims. (Cl. 46—46.)



2. In a sound producing device, a bellows comprising a flexible tubular body wall having a fixed head at one of its ends and a gravity movable head at its other end, one of said heads being provided with a sound receiving chamber, said closure and head having cooperating means to frictionally clamp one end of the tubular wall to said head and also frictionally hold said closure in fixed relation to said head, a sound producer operated by air expelled from the bellows chamber in the gravity movement of the movable bellows head in one direction, and means for emitting the sound from said sound receiving chamber.

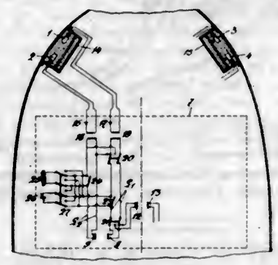
1,588,357. PRINCESS SLIP. ABRAHAM GULITZ, New York, N. Y. Filed Feb. 20, 1926. Serial No. 89,734. 3 Claims. (Cl. 2—113.)



1. A slip which comprises a body portion adapted to fit up under the arms of the wearer having its upper edge under the arm slit to form corner flaps, an auxiliary shield flap extending from one corner flap and lying normally under the other corner flap and means for holding said shield flap and overlying flap in their cooperative relation, and an elastic strap connecting the free edge of the outer flap with the body of the slip.

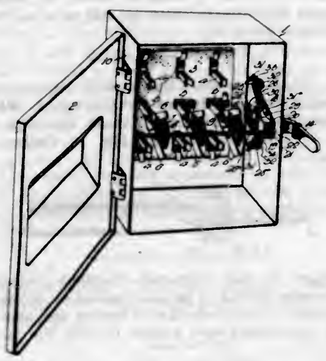
1,588,358. SOUND-RECEIVING EQUIPMENT FOR SHIPS. WALTER HAHNEMANN, Kitzeberg, near Kiel, and WILHELM RUDOLPH, Kiel, Germany, assignors to The Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed May 26, 1921, Serial No. 472,941, and in Germany May 31, 1920. 9 Claims. (Cl. 181—26.)

1. In submarine sound direction finding apparatus, a vessel, a plurality of sound receivers on each side of the vessel, means whereby an observer may listen to a receiver on each side of the vessel to determine the general direction of the sound source by the shadow method, and means whereby an observer may selectively listen



to a pair of receivers on either side of the vessel to determine the specific direction of the sound source by the base method.

1,588,359. DOUBLE-THROW SWITCH. GEORGE LA MONTE HAMMANN, Torrington, Conn., assignor of one-half to Ralph K. Mason and one-half to John H. Lancaster, both of Bantam, Conn. Filed July 18, 1925. Serial No. 44,520. 7 Claims. (Cl. 200—67.)

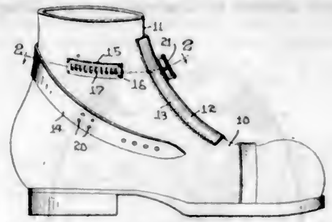


1. In a switch-operating means, a handle-controlled pivotally-mounted switch-actuating member, two springs slidably connected with said member in a manner to cause turning of said member in either of two switch-closing directions to strain one spring and leave the other inert, the connecting point between said member and the strained spring being adapted to move past a dead center line to hold said member in switch-closed position, the strained spring being also adapted to quickly throw the member to switch-open position when said member is initially started, the inert spring standing in readiness to yieldably check said member when the latter reaches switch-open position.

1,588,360. SHOE. NORMAN E. HAMMERSTROM, Galesburg, Ill Filed July 25, 1924. Serial No. 728,218. 1 Claim. (Cl. 36—50.)

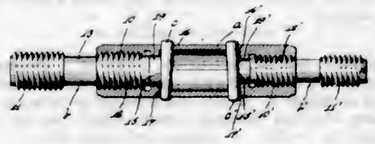
In a shoe having an opening in its upper, a flap secured to the upper on one side of the opening and adapted to overlie said opening, a strap constituting an exten-

sion of the flap, means intermediate the length of the strap adapter to be anchored to the shoe on the other



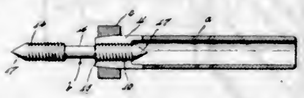
side of the opening for maintaining the tension of the strap on the flap, and means for anchoring the end of the said strap.

1,588,361. GAUGE. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney, executors of said Bengt M. W. Hanson, deceased. Filed Oct. 22, 1924. Serial No. 745,129. 8 Claims. (Cl. 33—199.)



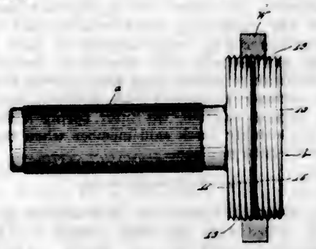
1. A gauge of the character described including a gauging member having a gauging thread at each end, and a handle into which either of said gauging threads is adapted to be screwed.

1,588,362. PLUG GAUGE. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney, executors of said Bengt M. W. Hanson, deceased. Filed Oct. 22, 1924. Serial No. 745,130. 8 Claims. (Cl. 33—199.)



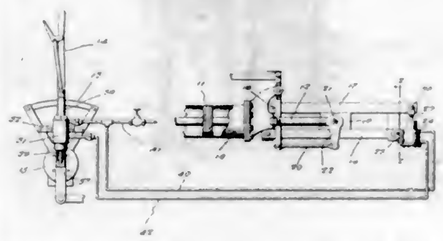
1. A gauge of the character described including a gauging member having a gauging thread, a handle having a threaded portion adapted to receive the same, and means for contracting said handle to bind the parts together.

1,588,363. GAUGE. BENGT M. W. HANSON, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney, executors of said Bengt M. W. Hanson, deceased. Filed Feb. 26, 1925. Serial No. 11,669. 2 Claims. (Cl. 33—199.)



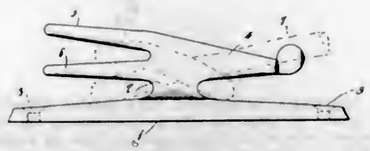
1. A gauge of the character described comprising a handle and a gauge head on one end of said handle having two gauging portions of slightly different diameters and provided with a substantially continuous gauging screw thread, said gauging head having between said gauging portions and interrupting said thread a narrow circumferential groove.

1,588,364. GEAR LOCK. JOHN E. HASKELL, Springfield, Mo. Filed Aug. 23, 1922, Serial No. 583,867. Renewed Sept. 28, 1925. 2 Claims. (Cl. 121—40.)



1. A power reverse gear for locomotives including a cylinder, a piston operating therein and having a piston rod, a reverse gear lever, a stationary guide, a jaw arranged above said guide and being susceptible of movement toward and away from the same, a sliding block operated on the guide and connected with the piston rod for movement therewith, a second piston having a reduced upper portion, a pair of spaced pistons operating in the second cylinder, one piston of each pair fitting the reduced portion and the other piston of the pair fitting the remaining portion, the piston rod associated with the pistons and secured to the movable jaw, means for conveying fluid under pressure to said second cylinder between the pistons thereof to retain the latter in normal position and clamp the block against the guide by engagement of the jaw therewith, means for conveying fluid below the piston fitting the said remaining portion for moving said pistons of the second mentioned cylinder whereby said movable jaw is arranged to permit free movement of the sliding block on the guide, and a valve controlled by the lever for controlling the admittance and exhaust of pressure to and from the cylinder second mentioned.

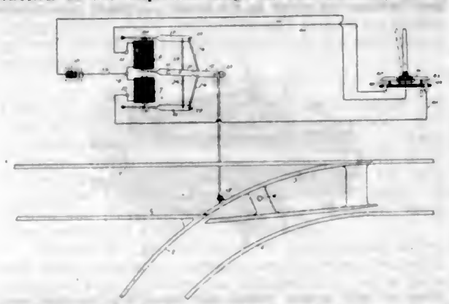
1,588,365. CORD OR ROPE HOLDER OR CLEAT. EZRA H. HESS, Landenberg, Pa. Filed Jan. 15, 1926. Serial No. 81,505. 1 Claim. (Cl. 24—129.)



A cleat comprising a base, a stem extending from the base, a pair of arms extending from a side of the stem in opposed relation to each other and the base, and an arm extending from the opposite side of the stem in opposed relation to the base, the outer side of said last named arm inclining from the stem in the direction of the base, and the opposing sides of the arms and base being angularly related.

1,588,366. SWITCH-THROWING DEVICE. HOWARD ALBERT HEYNE, New York, N. Y. Filed Mar. 14, 1925. Serial No. 15,652. 8 Claims. (Cl. 246—231.)

1. A switch throwing device, including a pair of aligned electromagnets, a switch throwing lever located between the magnets and moved in opposite directions by the attraction of the respective magnets, and auxiliary levers

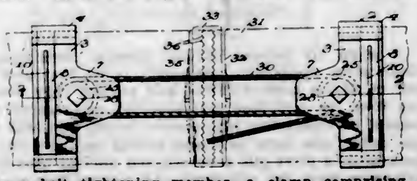


operatively connected to the first-mentioned levers and located in operative relation to and being actuated by the outer ends of the magnets.

1,588,367. BAILER BOTTOM. JULIUS HERMAN HOLMGREEN, San Antonio, Tex. Filed Jan. 28, 1924. Serial No. 689,114. 3 Claims. (Cl. 166—19.)

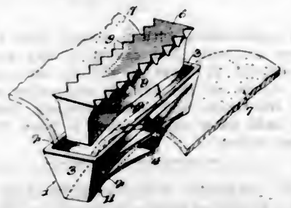
1. A bailer bottom comprising an inner pipe closed at the bottom said inner pipe having spaced external valve seats with diametrically opposed slots between them, an outer pipe closed at the bottom said outer pipe fitting loosely about the inner pipe and having corresponding slots and valve seats, said inner and outer pipes being relatively movable whereby the slots may be brought into and out of registry, and the respective valves and valve seats into engagement, substantially as set forth.

1,588,368. BELT TIGHTENER AND COUPLER. WILLIAM ELMER HORNER, Tonkawa, Okla. Filed July 20, 1925. Serial No. 44,819. 1 Claim. (Cl. 254—53.)



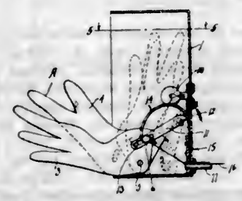
In a belt tightening member, a clamp comprising a base plate having upstanding side members formed to produce lateral slots at the upper sides of the base plate, said lateral slots having vertically enlarged portions at the outer sides thereof extending the full length of the slots, the upper walls of said vertically enlarged portion being inclined, and a clamping member having end portions received in said lateral slots, said clamping member having contact portions upstanding from the opposite ends thereof for engaging with the inclined upper walls of the vertically enlarged portions of said slots, whereby said clamping members will be forced toward said base plate when said contact members move toward the shorter ends of the vertically enlarged portions of said slots, said clamping member having longitudinally extending teeth in its lower face, and a bracket secured to the underside of said base plate, said bracket having an arm spaced from the under side of said base plate for cooperating with the latter to define a space for the reception of a pulley, and means for rotatably supporting the pulley.

1,588,369. CLAMP. WILLIAM ELMER HORNER, Tonkawa, Okla. Original application filed July 20, 1925, Serial No. 44,819. Divided and this application filed Sept. 15, 1925. Serial No. 56,533. 1 Claim. (Cl. 24—31.)



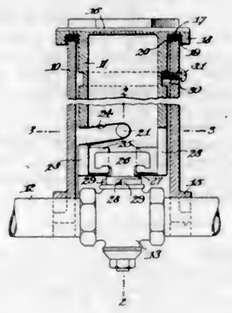
In a device of the character described, a belt tightener comprising a body having a pair of spaced side members and a pair of end members rigid with one another, said body having a space therewithin open at its upper and lower edges, tapering in width from its upper end to its lower end, and a wedge-shaped holding member movable to and from position within said body to cooperate with the side members of said body to retain the ends of a belt against downward movement in said body, and reinforcing web structures on the outer faces of said side members of the body of the coupler, said web structures being adapted to serve as handles for the body of the coupler.

1,588,370. SIGNAL. WILLIARD HORTMAN, Berwick, Pa. Filed July 23, 1924. Serial No. 727,760. 1 Claim. (Cl. 116—41.)



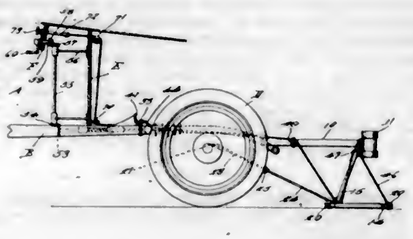
A device of the character described including a casing, a sectional signal member in the casing, a pin for pivotally connecting the two sections, slot and pin connections between the two sections for limiting the relative movement of said sections with respect to each other, an actuating lever pivoted within the casing and having one end slotted, a pin having pivotal connection with the sections of the signal and movable in said slot, a spring member connected to one wall of the casing and having its outer end attached to the last mentioned pin whereby to normally project said signal member from the casing and manually operated means for actuating said signal member.

1,588,371. SERVICE-PIPE BOX AND CUT-OFF. HARRY STEVENS ISHAM, Belmar, N. J. Filed Aug. 25, 1925. Serial No. 52,426. 4 Claims. (Cl. 137—13.)



1. The combination with a service pipe valve, of an inner and an outer box casing, a cap on the inner casing adapted to close down on the outer casing, coacting means on the casings and valve which serve to open the valve and simultaneously close the cap down on said outer casing when a force is applied to said inner casing.

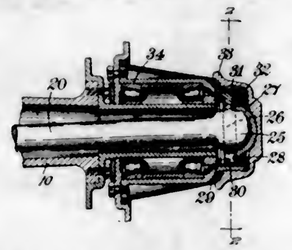
1,588,372. SAFETY ATTACHMENT FOR AUTOMOBILES. COLEMAN HUBERT JACKSON, South Bend, Ind. Filed Oct. 7, 1925. Serial No. 61,087. 4 Claims. (Cl. 293—45.)



2. In a device of the character described, a stationary bumper structure mounted upon a vehicle, a pair of pivotally connected flexible material covered frames suspended from said rigid bumper structure, flexible members connected with one of the frames, means for moving said flexible members to swing the frames into extended position, toggle members connected with the vehicle frame and with one of said frames, spring means normally tending to straighten the toggle members for projecting said frames into operative position, latch means normally holding said spring means inoperative, and means for releasing the latch means.

1,588,373. AXLE AND WHEEL CONNECTION. ARTHUR ERNEST JERRAM, Leicester, England. Filed Oct. 29, 1921, Serial No. 511,244, and in Great Britain Nov. 2, 1920. 1 Claim. (Cl. 301—1.)

The combination with a back axle having a spherical end and a wheel-hub to be driven thereby, of a hemispherical socket surrounding said end and having two open-ended slots at opposite sides of the axle, and a pin extending through said spherical end and into said slots, said socket having two outwardly directed radial projections that lie at right-angles to said pin, and said hub having two slots in its inner periphery at opposite

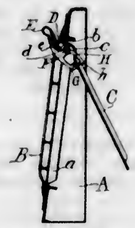


sides of said socket which are rotatively engaged each by one of said projections, and are entered thereby from an end face of the hub, substantially as described.

1,588,374. APPARATUS FOR TREATING CANNED PRODUCTS. AXEL JOHNSON, Oakland, Calif. Original application filed Feb. 17, 1919, Serial No. 277,384. Divided and this application filed Jan. 19, 1921. Serial No. 438,346. 28 Claims. (Cl. 126—272.)

1. An apparatus for cooking food products confined within hermetically sealed containers, the same comprising a cooking unit, means for producing within said unit a cooking atmosphere above atmospheric pressure, mechanism for propelling the containers to be treated through said unit, a cooling unit associated with said cooking unit, means admitting into said unit a cooling atmosphere under pressure, devices for transferring the processed containers from the cooking unit to the cooling unit, and mechanism for propelling the containers through the cooling unit.

1,588,375. WARM-AIR-REGISTER DAMPER OPERATOR. ALMON OAK JONES, Battle Creek, Mich., assignor to United States Register Company, Battle Creek, Mich., a Corporation of Michigan. Filed Jan. 26, 1922. Serial No. 531,984. 1 Claim. (Cl. 98—54.)

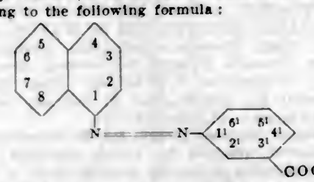


A warm air register damper operator, comprising a single piece of bendable and elastic metal bent upon itself to form a head, a curved and grooved body extending from the said head and provided with spaced ears located intermediately with respect to the said head and the end of the body, said ears having openings for the passage of a pivot pin, a curved and grooved back piece extending from the said head and passing between the said ears of the body and terminating near the end of the said body, a spring arranged across the said back piece and bearing upon the said ears to spread the ears

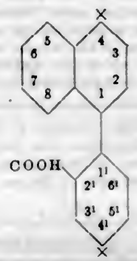
apart, a register front, a damper pivoted to the register front and passing between the said body and back piece of the said damper operator, and the said register front having ears arranged against the said ears of the damper operator whereby the said spring holds the said ears in frictional contact.

1,588,376. PRODUCTION OF BENZANTHRONE DERIVATIVES. GEORG KALISCHER, Mainkur, near Frankfort-on-the-Main, and RUDOLF MÜLLER and FRITZ FRISTER, Fechenheim, near Frankfort-on-the-Main, Germany. Original application filed Mar. 19, 1925, Serial No. 16,795, and in Germany Dec. 24, 1924. Divided and this application filed Aug. 17, 1925. Serial No. 50,844. 2 Claims. (Cl. 260—61.)

1. Process for the production of benzanthrone derivatives which consists in treating α-naphthalene-azo-benzene-m-carboxylic acid (in which the C-atoms 4, 5, and 4' corresponding to the following formula:

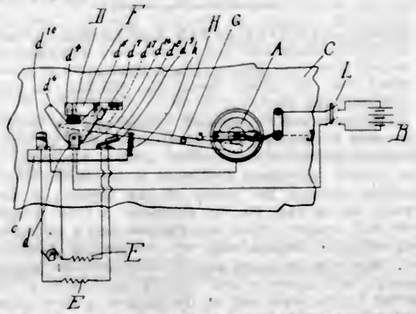


are not substituted) with reducing agents in an acid solution, tetrazotising the diaminonaphthylphenyl-o-carboxylic acid thus obtained, subjecting the tetrazobodies to the so-called Sandmeyer method and in condensing the naphthylphenyl-o-carboxylic acid compounds thus obtained and represented by the following general formula:



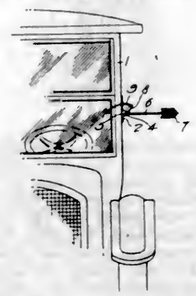
× means halogen, H, OH, OCH_3, OC_2H_5. The C-atoms 2, 3, 5, 6, 7, 3', 5', 6' may be substituted by univalent groups (as CH_3, halogens, O-alkyl), with acid condensing agents substantially as described.

1,588,377. SAFETY SWITCH MECHANISM. JOHN R. KELLEY, Covington, Ky. Filed June 2, 1921. Serial No. 474,464. 7 Claims. (Cl. 200—7.)



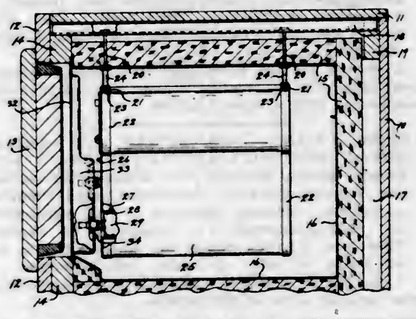
1. In a device of the class described the combination of an operating switch comprising a starting contact, a running contact, a conductor bar adapted to assume positions in engagement with the contacts and a position spaced from the contacts, a control switch comprising normally disengaged contacts, one of which is electrically connected with the conductor bar, and the other of which is electrically connected with a source of electrical energy, means adapted to move the contacts of the control switch into engagement with one another, and means to preclude movement of the contacts of the control switch from their normal positions by the contact moving means when the conductor bar is in engagement with the running contact.

1,588,378. DIRECTION INDICATOR FOR TRUCKS. LOUIS H. KILLMER, Osseo, Minn. Filed Dec. 15, 1924. Serial No. 756,086. 1 Claim. (Cl. 116—52.)



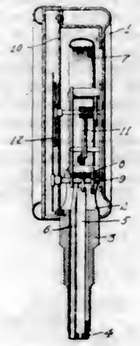
A direction indicator comprising a bracket having a base plate in which is formed a guide eye, said bracket being provided with spaced ears, a pivot pin spanning said ears, a signalling arm having a pivotal mounting on said pin and disposed between said ears, said signalling arm being provided with an angular arm, an arcuate operating member having a running engagement with the guide eye and a terminal pivotal connection with said angular arm, said arcuate member being provided on its inner edge with spaced notches for selective engagement with the edge of the eye.

1,588,379. REFRIGERATING APPARATUS. JESSE G. KING, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 26, 1923. Serial No. 664,810. 4 Claims. (Cl. 62—95.)



1. In a refrigerating apparatus, a refrigerating unit, a pocket-forming sleeve associated therewith, a tray for receiving water to be frozen adapted to fit within the sleeve, a front plate spaced from the entrance of the sleeve, said front plate having a tray-admitting opening registering with the sleeve, a handle connected to the tray and a stop secured to the handle for engaging the front plate when the tray is in proper position within the sleeve, the distance between the front plate engaging portion of the stop and the front of the tray being greater than the distance between the front plate and the front end of said sleeve.

1,588,380. ALTITUDE GAUGE AND THERMOMETER. IRA E. MCCABE, Chicago, Ill. Filed Mar. 4, 1922. Serial No. 541,159. 1 Claim. (Cl. 73—109.)



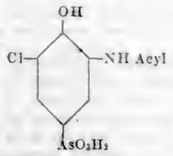
A combined altitude gauge and thermometer comprising a casing, indicators mounted therein adapted to travel over scales graduated in feet of altitude and degrees of temperature, respectively, and operating means mounted within the casing for the respective indicators, in combination with a hollow nipple extending from the casing having a shoulder secured to the inner wall thereof and a plug closing the exterior end of the nipple, actuating means for the respective indicators carried by the nipple independent of the casing comprising a Bourdon tube mounted on the shoulder of the nipple having a pipe connected to the fixed end leading through the interior of the nipple, passing through the end of the plug, and opening exteriorly thereof, and a thermostatic strip fixed at one end in the plug and extending through the interior of the nipple into the interior of the casing, the free ends of the Bourdon tube and thermostatic strip engaging the operating means of the altitude and temperature indicators respectively.

1,588,381. HYDROXY BENZOYLAMINO-BENZENEARSONIC ACIDS AND PROCESS FOR MAKING THE SAME. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed June 2, 1924, Serial No. 717,438, and in Germany June 14, 1923. 4 Claims. (Cl. 260—14.)

1. Process for the production of N-benzoyl-aminophenolarsonic acids, by treating arsonic acids of an orthoaminophenol with a benzoylchloride.

1,588,382. N-ACYL DERIVATIVES OF 5-AMINO-3-CHLORO-4-HYDROXYBENZENE-1-ARSONIC ACID. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, and WERNER SCHMIDT, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, a Corporation of Germany. Filed Nov. 7, 1925, Serial No. 67,654, and in Germany Mar. 10, 1924. 2 Claims. (Cl. 260—14.)

1. As new products 5-acylamino-3-chloro-4-hydroxybenzene-1-arsonic acids of the formula



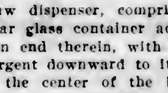
forming white scales, easily soluble in hot water, alkalies, sodium acetate and carbonate, sparingly in cold water, not soluble in ether and benzene.

1,588,383. ART OF EXTRACTING RADIUM FROM RADIUM-BARIUM SALTS AND THE LIKE. HERMAN FLECK, Golden, Colo., assignor to William A. J. Bell, Denver, Colo. Filed Aug. 15, 1922. Serial No. 582,089. 4 Claims. (Cl. 23—23.)

4. The improvement in the art of concentrating the radium content of a radium-barium salt which consists in first putting the radium-barium salt into solution by means of a chemical reagent having a relatively greater solvent action on the radium content than on the barium content, filtering off the solution containing the radium and barium values so dissolved and precipitating therefrom the radium content, thereby securing a precipitate in which the ratio of radium content to the barium content is higher than the radium-barium ratio of the salt before treatment, substantially as described.

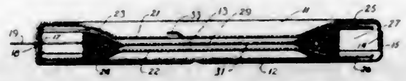
1,588,384. QUINONE VAT DYESTUFF, DYEING PARTICULARLY ANIMAL FIBERS IN THE VAT FAST SHADES, AND PROCESS OF MAKING SAME. RICHARD HERZ, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed May 13, 1924, Serial No. 713,024, and in Germany May 19, 1923. 3 Claims. (Cl. 260—56.)

1. The herein described process for the manufacture of fast quinone-vat dyestuffs for dyeing especially animal fibers by condensing arylamino derivatives of *o* amino-arylmercaptans of the probable general structural formula:



(wherein Ar and R denote an aryl group which may, or may not otherwise contain substituents, X indicates hydrogen which may be substituted by alkyl and aralkyl, and in which the group NXR stands in *p* position NH_2) with arylquinones in which the hydrogen atoms of the quinone nucleus may be substituted by halogen.

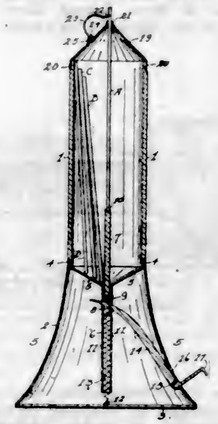
1,588,385. CONTAINER. GEORGE F. MILLER, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 5, 1921. Serial No. 505,647. 6 Claims. (Cl. 242—138.)



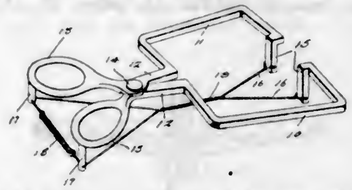
1. A container for dental floss and the like, comprising a two-part holder having an end thereof bent inward, and a spool enclosed in said holder and having parts which extend radially and are bent outwardly so as to have bearing engagement for rotation around said bent inwardly end.

1,588,386. SANITARY STRAW DISPENSER. CHARLES L. YOUNG, Richmond, Ind., assignor to Sanistraw Dispenser Company, Berwyn, Ill., a Corporation of Illinois. Filed Feb. 18, 1924. Serial No. 693,642. 1 Claim. (Cl. 211—8.)

A sanitary straw dispenser, comprising in combination with a tubular glass container adapted to contain straws standing on end therein, with a removable bottom formed convergent downward to its center with an aperture through the center of the bottom; a downwardly flaring base for the container, a tube extending from said aperture down into the base and a slot formed longitudinally through said tube, a plunger slidable in said tube with its upper portion adapted to be projected through said aperture and into the container, a roller carried by the lower end of the plunger, a lever pivoted in the base and adapted to be manually operated from outside the base, a curved blade connected with said lever and extending through a slot in said tube and extending through a slot in said tube and engaging said roller for lifting the plunger, a spring normally pulling the plunger downward when the lever is released, an upwardly converging top attached to the container with an opening formed through the center thereof, said top being formed with a plurality of channels extending convergently to the aperture in the top to guide the upper ends of the straws into the aperture in the top, a cover for said aperture in the top, means for hinging said cover whereby it will automatically close said aperture in the top when a straw is removed therefrom and, means formed in said cover to prevent a straw from moving downward through said aperture in the top.

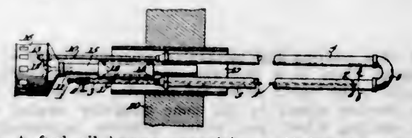


1,588,387. HAIR-REMOVING INSTRUMENT. CHIN LEONG LI and SVERRE QUISLING, West Philadelphia, Pa. Filed Dec. 26, 1923, Serial No. 682,844. Renewed Mar. 1, 1926. 3 Claims. (Cl. 128—355.)



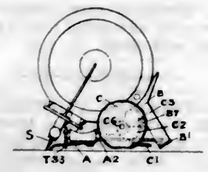
1. In an instrument of the character described, comprising a pair of relatively movable members connected together, flexible elements connected with said members and twisted together at a point between their ends, said members being operated to shift the twisted portion longitudinally of said elements in opposite directions, for the purpose specified, and means for holding said elements taut.

1,588,388. FUEL-OIL BURNER. ERNEST ORIN LINTON, Hammond, Ind., assignor to Calumet Engineering Corporation, East Chicago, Ind., a Corporation of Indiana. Filed Mar. 19, 1923. Serial No. 626,150. 3 Claims. (Cl. 158—56.)



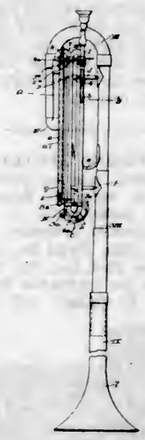
1. A fuel oil burner comprising a U-shaped conduit, means for supplying steam to one end of said U-shaped conduit, an oil conduit extending within one arm of said U-shaped conduit and discharging adjacent the return bend of said U-shaped conduit, and a burner jet communicating with the other end of said U-shaped conduit and lying between the two arms thereof.

1,588,389. SELF-STOPPING AND SELF-REPEATING MECHANISM FOR GRAMOPHONES, TALKING MACHINES, AND THE LIKE. FRANK BOWLEY MITCHELL, Hove, England. Filed May 15, 1925, Serial No. 30,628, and in Great Britain May 14, 1924. 12 Claims. (Cl. 274—15.)



8. Automatic repeating mechanism for talking machines and the like comprising a brake pad, means normally preventing the operation of the brake pad during reproduction, a tracer engaging the record groove to release said brake pad restraining means at the end of a reproduction so that the brake contacts with the record to move the reproducer to the outer part of the record, a weighted cam adapted to co-operate with the record for re-setting the brake pad and its restraining means, and an arm movable with said cam and adapted to ride upon the record surface so as to prevent the cam contacting with the record until the reproducer has reached the outer edge thereof.

1,588,390. BRASS AND LIKE WIND MUSICAL INSTRUMENT. PAUL SUCHY, Graslitz, Czechoslovakia. Filed Mar. 22, 1921, Serial No. 454,403, and in Germany Jan. 16, 1920. 2 Claims. (Cl. 84—38.)



2. A brass or the like wind instrument comprising a "four-length" section composed of telescopically fitting straight cylindrical tubes successively increasing in diameter, bends connecting the tubes in parallel, and connections from the tubes both to the mouth piece and the bell.

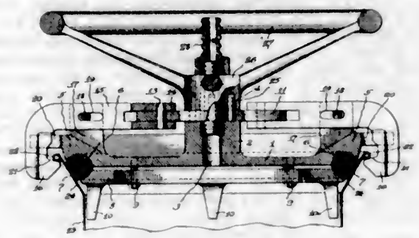
1,588,391. TENT FRAME. FRANK BEARY, Yakima, Wash. Filed June 18, 1924. Serial No. 720,820. 3 Claims. (Cl. 135—2.)

1. A device of the character described comprising a two part spider like clamp the upper half of which has

a plurality of radial arms pivotally connected thereto, upright legs pivotally connected to the outer ends of the radial arms, means for binding the lower half of the

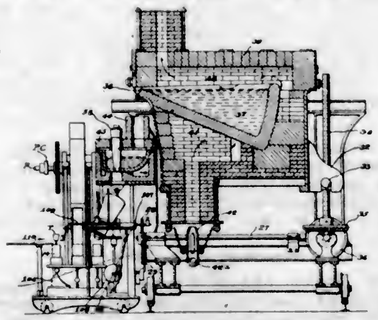
clamp against movement with relation to the upper half, and a vertically adjustable tent top supporting rod movable through said clamp.

1,588,392. CAN-SEALING CLOSURE. CHARLES A. COMP, Detroit, Mich., assignor to Buhl Stamping Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 14, 1923. Serial No. 632,039. 3 Claims. (Cl. 137—77.)



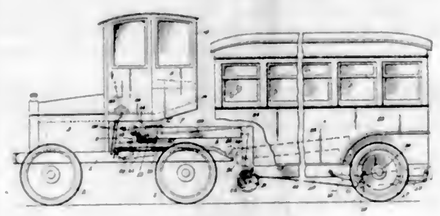
1. A sealing closure for milk containers adapted to be air tested for leaks, said closure comprising a head adapted to extend into the neck of the milk container, a sealing ring clamped on said head and having an exposed portion for compression against the wall of the milk container neck, jaws carried by said head and adapted to engage the pouring edge of the milk container and clamp the sealing ring and head on the milk container, and jaw shifting means centrally of said head and having an air passage axially thereof.

1,588,393. GLASS-FEEDING APPARATUS. THEODORE C. STEIMER, deceased, late of Pittsburgh, Pa.; by Charles M. Steimer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, a Corporation of Delaware. Original application filed Feb. 12, 1910, Serial No. 543,582. Divided and this application filed Dec. 31, 1924. Serial No. 759,173. Substitute for application Serial No. 753,690, filed Dec. 3, 1924. 12 Claims. (Cl. 49—55.)



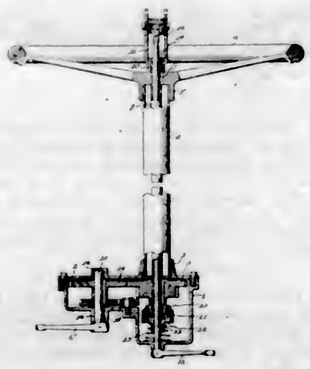
1. The method of delivering glass from a source of supply through a spout, which comprises flowing a temperature modifying medium around and in contact with the walls of said spout, and then delivering such fluid into the spout interior above the glass line.

1,588,394. LOW-BODY TRACTOR TRAILER COMBINATION. SIDNEY B. WINN, Lapeer, Mich. Filed Nov. 24, 1922. Serial No. 602,928. 14 Claims. (Cl. 280—33.1.)



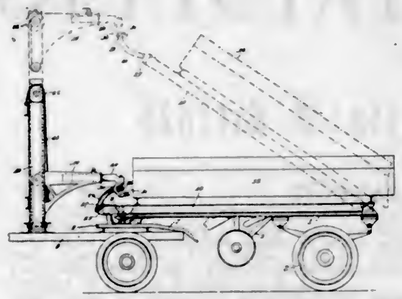
1. In a tractor trailer combination, wherein the tractor and trailer are coupled for combined service and disengageable by uncoupling to permit independent service, and wherein the coupling and uncoupling operations are rendered active by relative movement of the tractor and trailer in the direction of traction, a tractor having a seat, a trailer adapted to have its forward end extend under the seat of said tractor, and means adapted to couple the forward end of the trailer to the tractor by such relative movement of the tractor and trailer.

1,588,395. STEERING GEAR FOR DUPLEX TRACTORS. SIDNEY B. WINN, Lapeer, Mich. Filed Oct. 30, 1924. Serial No. 746,745. 12 Claims. (Cl. 74—79.)



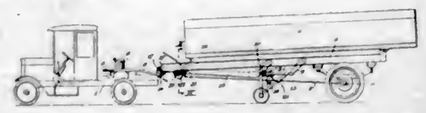
1. In a steering gear mechanism wherein turning of a steering wheel in a clockwise direction turns steering wheels to the right; means for changing the turning of the steering wheels by the same clockwise turning of the steering wheel, said means including transmission gears, one of which gears is shiftable and coaxially of said steering wheel and means extending through said steering wheel and adapted for shifting said gear.

1,588,396. TRACTOR DUMP-BODY TRAILER COMBINATION. SIDNEY B. WINN, Lapeer, Mich. Filed Dec. 22, 1924. Serial No. 757,394. 12 Claims. (Cl. 298—19.)



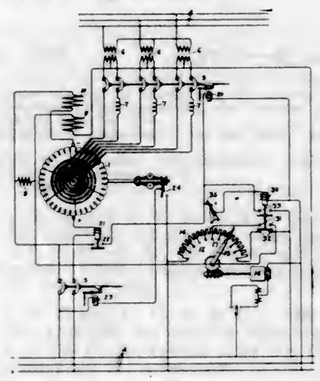
2. A tractor, a trailer chassis, a raisable body on said trailer chassis to facilitate unloading, a yoke carried by said body normally overhanging a body frame, and means on said tractor engageable and disengageable with said yoke adapted for raising said body whereby said yoke approaches alinement with said body frame as said body is raised.

1,588,397. TRACTOR-TRAILER LEG LIFT. SIDNEY B. WINN, Lapeer, Mich. Filed Mar. 2, 1925. Serial No. 12,596. 35 Claims. (Cl. 280—33.1.)



1. The combination of a tractor having a track, a trailer having a rear axle assembly, a shiftable supporting leg structure at the forward end of said trailer, a set of wheels carried by said trailer adapted to engage said tractor track and elevate the forward end of said trailer, another set of wheels at the forward end of said trailer adapted for shifting said supporting leg structure, and coupling means for said tractor and trailer.

1,588,398. ROTARY TRANSFORMER. THEOPHILUS F. BARTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,291. 13 Claims. (Cl. 171—123.)



1. In combination, an alternating current circuit, a direct current circuit, a rotary transformer adapted to be connected to both of said circuits to transfer power from one circuit to the other, means responsive to an abnormal circuit condition for effecting the disconnection of said transformer from said alternating current circuit, and means for increasing the excitation of said transformer when said transformer is disconnected from said alternating current circuit in response to the operation of said abnormal circuit condition responsive means.

Patents Nos. 1,588,899 to 1,589,341.

THE OFFICIAL GAZETTE

OF THE

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Issue of June 15, 1926.

Trade-Marks	235—No.	214,072 to No.	214,306, inclusive
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Labels	41—No.	30,472 to No.	30,512, inclusive.
Prints	15—No.	8,891 to No.	8,905, inclusive.
Reissues	4—No.	16,261 to No.	16,264, inclusive.
Designs	43—No.	70,254 to No.	70,296, inclusive.
Patents	942—No.	1,588,399 to No.	1,589,341, inclusive.
Total	1,294		

Notice of Cancellation.

U. S. Patent Office, *Washington, June 2, 1926.*

Standard Motor Parts Mfg. Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Wallach Brothers Company, 6603 Carnegie Avenue, Cleveland, Ohio, to effect the cancellation of the trade-mark registration of the Standard Motor Parts Mfg. Co., 1200 Chestnut Street, Philadelphia, Pa., No. 98,828, dated August 4, 1914, and the notice of such proceeding sent by registered mail to the said Standard Motor Parts Mfg. Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Standard Motor Parts Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *First Assistant Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Ill.) The Scherzer and Kandeler patent, No. 735,414, for double-deck bascule bridge, claim 9 *Held* invalid. *Scherzer Rolling Lift Bridge Co.* v. *City of Chicago*, 11 F. (2d) 605.

(D. C. N. J. and C. C. A. N. J.) The Herzog patent, No. 1,028,089, for elevator signaling device, claims 1, 6, 8, 32, 45, 50, 60, 86, 91, and 94 *Held* not infringed. *Elevator Supplies Co.* v. *Boedtcher*, 11 F. (2d) 609 and 615.

(D. C. N. J. and C. C. A. N. J.) The Andren patent, No. 1,109,950, for elevator signaling device, claims 2, 9, 10, 11, 12, and 14 *Held* not infringed. *Elevator Supplies Co.* v. *Boedtcher*, 11 F. (2d) 609 and 615.

(D. C. N. J. and C. C. A. N. J.) The Newell patent, No. 1,160,315, for elevator signaling device, claim 22 *Held* not infringed. *Elevator Supplies Co.* v. *Boedtcher*, 11 F. (2d) 609 and 615.

(C. C. A. Tex.) The Bannon patent, No. 1,460,695, for apparatus for lubricating, cleaning, painting, and removing paint from automobiles, *Held* infringed. *Pearson* v. *Uncle Sam Mfg. Co.*, 11 F. (2d) 603.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not first inventors with respect to the claims listed:

Pat. 1,527,339, E. Wilson, Compressor, decided April 21, 1926, claim 1.

Pat. 1,529,734, Barbour and Brown, Multiple-stage fishing tool, decided May 17, 1926, claims 1 and 4.

Pat. 1,532,979, R. C. Barbour, Fishing tool, decided May 17, 1926, claim 2.

Pat. 1,569,879, Pritner and Dorris, Making side frames, decided May 25, 1926, claim 5.

Final decisions in interference have been rendered against the following registered trade-marks:

T. M. 146,721, Fresh citrous fruits—namely, oranges, tangerines, and grapefruit—Dade City Packing Co., Dade City, Fla. Registered September 21, 1921. Decided April 29, 1926.

T. M. 164,374, Lubricating oils and greases, Aero Oil Products Company, Cheyenne, Wyo. Registered February 20, 1923. Decided May 25, 1926.

T. M. 170,228, Steel rods, Globe Wire Co., Sharpsburg, Pa. Registered July 10, 1923. Decided May 22, 1926.

Condition of Applications Under Examination at Close of Business June 4, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,389; Trade-Mark Division, 1,867. Oldest new case, Dec. 16, 1925; oldest amended, Dec 5, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 17	Mar. 22	551
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 8	Feb. 11	550
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 1	Mar. 1	1,186
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 1	Apr. 3	780
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 8	Jan. 11	957
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 2	Feb. 4	1,343
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 13	Mar. 13	815
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 18	Mar. 18	1,035
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 19	Apr. 1	555
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 5	Mar. 3	966
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 27	Mar. 1	783
380	12. PIERCE, P. P., Machine Elements	Mar. 3	Mar. 6	617
154*	13. CLIFT, J. W., Bolt, Nail, Nut; Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 18	Apr. 2	668
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 23	Mar. 3	899
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 22	Apr. 5	605
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 5	Feb. 26	914
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 3	Feb. 15	453
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 1	Jan. 29	821
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 2	Apr. 5	506
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 17	Mar. 17	760
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Mar. 6	Mar. 26	473
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 9	Feb. 9	658
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Mar. 12	Feb. 16	267
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 9	Mar. 20	519
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Mar. 3	Feb. 25	905
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 16	†Dec. 23	760
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 5	Mar. 29	512
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 3	Mar. 24	1,004
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 4	Jan. 2	1,032
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 23	Mar. 16	670
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 26	Mar. 20	832
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 15	Mar. 16	868
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 27	Apr. 1	787
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Dec. 24	†Dec. 5	675
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 17	Apr. 22	599
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 23	Mar. 19	992
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Feb. 15	Feb. 20	1,057
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 2	Jan. 27	902
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 26	Mar. 4	487
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 8	Mar. 8	1,099
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 4	Mar. 4	454
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Mar. 11	Mar. 10	1,014
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 1	Mar. 10	782
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 29	†Dec. 19	1,030
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 5	Mar. 6	499
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 4	Feb. 25	757
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 8	Mar. 11	1,075
213*	48. ROEPKE, O. H., Electricity, Conductors; Electricity, General Applications	†Dec. 30	†Dec. 23	1,711
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 29	Apr. 7	498
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 10	Feb. 23	1,244
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 1	Jan. 20	1,770
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 8	Mar. 8	841
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 26	Mar. 26	742
102	DESIGNS: C. O. MARKHAM (Acting)	May 10	May 20	420
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks	May 4	May 14	1,765
	{Labels and Prints	May 12	May 24	102

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

MATHEWS *v.* BEEGHLEY.

Decided April 21, 1925.

1. INTERFERENCE—REDUCTION TO PRACTICE—TESTIMONY.

Testimony which may be construed as stating only the intended operation of a machine or its principle of operation and which does not assert even an attempted operation of the machine, to say nothing of a successful demonstration of its operativeness, does not establish reduction to practice.

2. SAME—SAME—SAME—OF INVENTOR.

An inventor's testimony as to reduction to practice must be corroborated.

Note.—The application of Mathews has resulted in Patent No. 1,564,879, December 8, 1925.

Patent Interference No. 50,079.

APPEAL from the Examiners in Chief.

COPIHOLDER.

Application of Louis T. Mathews filed August 21, 1922, Serial No. 583,307.

Application of Francis W. Beeghley filed June 26, 1922, Serial No. 570,962.

Mr. A. L. Jackson for Mathews.

Mr. Francis W. Beeghley pro se.

KINNAN, *First Assistant Commissioner:*

This is an appeal by the junior party, Mathews, from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to the senior party, Beeghley.

The issue is stated in a single count reading:

In a copy holder, in combination with a typewriting machine, a supporting plate, a member movable up and down across said plate, a letter indicator carried by said member and adapted for movement longitudinally thereof across said plate, a shaft mounted for rotation, a spool slidable on and rotatable with said shaft, a flexible connection fixed to said letter indicator and adapted to be wound on said spool, means for exerting a tension in one direction on said flexible connection, a second spool fixed to said shaft, and a second flexible connection fixed to and adapted to be wound on said second spool, said second flexible connection being fixed to the carriage of the typewriting machine in such manner that the letter indicator is moved to the right as said carriage moves to the left.

Beeghley has taken no testimony and is restricted to June 26, 1922, the date on which his application was filed, for conception and reduction to practice.

Mathews's proofs comprise only the testimony of Mathews and the corroborating testimony of his attorney, Jackson, and Jackson's draftsman, Melton. No exhibits have been filed.

Mathews testified he took a completed machine corresponding to the disclosure in his application to Fort Worth, Tex., in October, 1916, and had drawings made by Jackson's draftsman. His description of the machine is in accord with the issue. Jackson testified that this machine "answers precisely the description given by this witness, Mathews." He fixes the time by an entry made in his cashbook on November 2, 1916, for drawings made of the machine by his draftsman. Melton testified that he made such drawings at that time, which he fixes by the same entry and from personal recollection of a sore throat and treatment he was having at that time. His testimony was given over seven years after the event, and he does not state how he fixes the date of treatment. Melton stated that he later made drawings for the Patent Office of the same machine. It does not appear when these drawings were made; but it is noted the Mathews's application was not filed until August 21, 1922. After refreshing his memory "by reviewing the description with the blue prints", Melton fairly corroborated the testimony of Mathews as to the construction of the machine.

The lower tribunals have found Mathews's proofs entitle him to a date of conception as early as October, 1916. They held the testimony insufficient to establish reduction to practice and restricted Mathews to his constructive date of August 21, 1922, for reduction to practice. Mathews having offered no proofs as to diligence, they held him nondiligent at the time Beeghley entered the field by filing his application and subsequently thereto.

[1] Mathews urges that his proofs establish a reduction to practice. He relies particularly on Melton's answers to questions 13 to 18 as corroborative of Mathews's statement that the machine was successfully operated. The Examiners in Chief regarded these answers as stating only the intended operation of the machine. Counsel for Mathews takes vigorous opposition to this view. I am not satisfied these answers were intended to state any more than the principle of operation of the machine. Melton was describing the machine from which he made the drawings (Q. 12). Neither he nor the only other corroborating witness, Jackson, testified to having seen even an attempted operation of the machine, to say nothing of a successful demonstration of its operativeness. It is not unreasonable to suppose that the draftsman may have manipulated some of its working parts by hand in studying the structure preparatory to making the drawings. There is, however, no testimony to this effect, and certainly there is no presumption that the machine was actually connected to a typewriting machine and operated in conjunction therewith, as required by the count.

[2] That an inventor's testimony as to reduction to practice must be corroborated is too well established, as indicated in the decision cited below, to require further comment. Finding no corroboration of Mathews's testimony that the machine was successfully operated, I must hold with the lower tribunals that Mathews has not proved

actual reduction to practice. Mathews has failed to show diligence at the time Beeghley filed his application. Beeghley is therefore entitled to the award of priority of invention.

The decision of the Examiners in Chief awarding priority of invention to F. W. Beeghley, the senior party is affirmed.

FRANCIS H. LEGGETT & COMPANY *v.* CHARLES GULDEN INC.

Decided January 22, 1926.

1. TRADE-MARKS—DESCRIPTIVE—"SALADRESSING."
The mark "Saladressing" is descriptive and should not have been registered.

2. SAME—SAME—NO PRESUMPTION OF VALIDITY.
Having reached the conclusion that appellant's mark should not have been registered because of its descriptive character, there is no presumption of validity that can sustain the registration against the petitioner's allegation of probable damage because it has used the words "Salad Dressing" upon the same class of goods in a descriptive manner.

3. SAME—SAME—OPPOSITION OR CANCELLATION—PROBABLE DAMAGE—SHOWING OF—USE OF MARK AS A TRADE NAME OR IN A DESCRIPTIVE MANNER.
Under the act of February 20, 1905, it is not necessary, in an action opposing or to cancel the registration of a descriptive mark, that the opposer or petitioner for cancellation must have used the mark in a trade-mark sense. It is sufficient to show probable damage if the petitioner for cancellation has used the mark in its trade as a trade name or in a descriptive manner and has properly so pleaded.

APPEAL from Examiner of Interferences.

Cancellation No. 1,093 of trade-mark registration of Charles Gulden Inc. issued April 8, 1924, No. 182,437, for salad dressing.

Mr. Samuel D. Jones and *Messrs. Mason, Fenwick & Lawrence* for Francis H. Leggett & Co.

Messrs. Briesen & Schrenk for Charles Gulden Inc.

KINNAN, *First Assistant Commissioner:*

This case comes on for review, on appeal of the registrant, Charles Gulden Inc., of the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Francis H. Leggett & Co. for the cancellation of the registrant's mark "Saladressing," used on salad dressing.

The petitioner seeks cancellation upon the ground that the notation is descriptive of the goods, the omission of one letter and the running of the two words "salad dressing" into a single word not being sufficient to deprive the notation of its descriptive character. Petitioner alleges probable damage because it has used the words "Salad Dressing" upon the same class of goods in a descriptive manner, and this fact is pleaded in the petition.

Appellant, registrant, has urged that registration is prima facie evidence of ownership, and petitioner has not overcome such prima facie evidence, and in consequence the registration should stand. Appellant also notes the difference in spelling and relies, to some extent, upon such difference to distinguish the mark from the descriptive character of the common words "salad dressing." Appellant further contends that petitioner, not having pleaded or shown trade-mark use, has not shown such probable damage as to give it standing in these proceedings.

[1, 2] The mark is believed to be clearly descriptive and, in my judgment, should never have been registered. The omission of the one letter "D" would not be noticed by the average purchaser; indeed, would hardly be noticed by anyone whose attention was not called to the fact. Certainly in connection with the purchase of goods of the character to which the notation is applied the average purchaser would construe the notation as merely descriptive of the goods. The holding in the case of *Standard Paint Company* v. *Trinidad Asphalt Manufacturing Company*, 165 O. G. 971; 220 U. S. 446, is believed to be determinative that appellant's change in spelling is unimportant and that its notation is descriptive. Having reached the conclusion that appellant's mark should not have been registered because of its descriptive character, there is no presumption of validity that can sustain the registration against the allegations of the petitioner.

[3] It is believed to be clearly established that under the act of February 20, 1905, it is not necessary, in an action opposing or to cancel the registration of a descriptive mark, that the opposer or petitioner for cancellation must have used the mark in a trade-mark sense. It is sufficient to show probable damage if the petitioner for cancellation has used the mark in its trade as a trade name or in a descriptive manner and has properly so pleaded. *American Druggists Syndicate* v. *U. S. Industrial Alcohol Co.*, 332 O. G. 5; 55 App. D. C. 140; *Nairn Linoleum Co.* v. *Ringwalt Linoleum Works*, 237 O. G. 919; 46 App. D. C. 64.

The decision of the Examiner of Trade-Mark Interferences sustaining the petition for cancellation is affirmed and the registration will be canceled.

Court of Appeals of the District of Columbia.

IN RE BRONSON.

No. 1,820. Decided February 1, 1926.

DESIGNS—INVENTION.
Where the advance in the art claimed consists merely in the increase in the number of sides on a dust cap for tire valves, *Held* that this does not constitute invention.

APPEAL from Patent Office. Affirmed.

Mr. W. T. Estabrook and *Mr. A. J. Hudson* for Bronson.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB and VAN ORSDEL, Associate Justices.

MEMORANDUM OPINION.

VAN ORSDEL, *J.:*

Appeal from the decision of the Commissioner of Patents, rejecting appellant's application for a design patent for a dust cap for tire valves. The advance in the art claimed consists merely in the increase in the number of sides on the cap.

We agree with the holding of the Commissioner that this does not constitute invention; and in view of the numerous citations of existing patents, anticipating appellant's device, the decision of the [First] Assistant Commissioner is right, and is affirmed.

Court of Appeals of the District of Columbia.

IN RE BRONSON.

No. 1,819. Decided February 1, 1926.

APPEAL from Patent Office. Affirmed.

Mr. W. T. Estabrook and *Mr. A. J. Hudson* for Bronson.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB and VAN ORSDEL, Associate Justices.

MEMORANDUM OPINION.

VAN ORSDEL, *J.:*

This is an appeal from the decision of the Commissioner of Patents rejecting appellant's application for a patent for a valve mechanism intended for use in pneumatic tires.

The references cited in the opinion of the Commissioner are conclusive, since the claims of appellant can be read directly thereon. The decision of the [First] Assistant Commissioner disposes of the case in accord with our views and it is accordingly affirmed.

Court of Appeals of the District of Columbia.

IN RE TULLY.

No. 1,781. Decided April 5, 1926.

CLAIMS—COPIED FROM A PATENT—INTERPRETATION OF.
A claim copied from a patent must be given an interpretation consistent with the application in which it originated.

APPEAL from Patent Office. Affirmed.

Mr. A. V. Cushman and *Mr. Odin Roberts* for Tully.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing claims 6, 7 and 9 of appellant's application for a patent. Claims 6 and 7 cover a textile fabric garment having a multiply section stiffened by impregnation with a translucent waterproof cementitious plastic material causing the plies to adhere to each other. Claim 9 reads as follows:

9. Web material having a permanent stiffness in portions thereof produced by treatment of the web subsequent to the formation of the latter, and having other portions thereof in a soft and pliable state adapted to facilitate folding.

The Patent Office allowed nine claims to appellant, and, after a very careful review of the decisions of the Patent Office in which the application of appellant is considered with reference to the prior art, we are constrained to the view that his real invention has been fully protected by the claims allowed him. Claims 6 and 7 were rejected on the patent to Closmann, No. 861,435, which covers substantially the same construction disclosed by applicant. Claim 9 is a copy of a claim in the patent to Huey, No. 1,390,292, on which it was rejected. It is familiar law that this claim must be given an interpretation consistent with the application in which it originated. Huey disclosed a web material with portions untreated to facilitate folding. We agree with the Patent Office that appellant has no suggestion of leaving the folded portions of his collars and cuffs untreated with that object in mind. The Patent Office has so thoroughly and satisfactorily discussed appellant's contentions that it is unnecessary further to consider them.

The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE TULLY.

No. 1,782. Decided April 5, 1926.

APPEAL from Patent Office. Affirmed.

Mr. A. V. Cushman and *Mr. Odin Roberts* for Tully.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office rejecting claims 2 to 10 inclusive, 15 to 19 inclusive, and 22 to 25 inclusive.

Seven claims were allowed appellant. The case is closely related to Patent Appeal No. 1,781, just decided, and for the reasons fully stated by the tribunals of the Patent Office, the decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

928,199, A. J. Hoffman, Clothes-pressing apparatus, suit filed Apr. 15, 1926, D. C., S. D. N. Y., Doc. E 38/247, *U. S. Hoffman Machine Corp.* v. *The Empire Foundry Co., Inc., of Port Chester, N. Y.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Apr. 15, 1926, D. C., S. D. N. Y., Doc. E 36/244, *Westinghouse Electric & Mfg. Co. et al.* v. *L. Lager.* Same, decree sustaining patents and granting injunction (notice dated Apr. 21, 1926), D. C., S. D. N. Y., Doc. E 35/196, *Westinghouse Electric & Mfg. Co. et al.* v. *Eastern Coil Corp.*

1,050,728. (See 1,050,441.)

1,072,160, E. S. Philips, Road scraper, suit filed Apr. 20, 1926, D. C., S. D. N. Y., Doc. E 36/271, *American Road Machinery Co., Inc.*, v. *Wm. H. Norden et al.*

1,095,204. (See 1,168,627.)

1,113,149. (See 1,050,441.)

1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Apr. 15, 1926, D. C., S. D. N. Y., Doc. E 36/243, *Westinghouse Electric & Mfg. Co. et al.* v. *Bruno Radio Corp.*

1,123,999, A. O. Dupuy, Conveying mechanism, consent order of discontinuance (notice dated Apr. 27, 1926), D. C., S. D. N. Y., Doc. E 28/270, *The Wellington Machine Co.* v. *Ulster Foundry Corp. et al.*

1,168,627, M. S. Goldsmith, Concrete floor construction; 1,095,204, J. F. Golding, Concrete floor and ceiling, decree Apr. 26, 1926, holding claim 7 of Patent 1,168,627 valid and infringed, Patent 1,095,204 invalid and dismissing bill as to the latter patent, D. C., S. D. Ohio (W. Div.), Doc. E 359, *The Goldsmith Metal Lath Co.* v. *Truscon Steel Co. et al.*

1,275,478, C. C. Ryan, Lock nut and bolt, decree Apr. 14, 1926, in favor of defendant, D. C. Minn. (3d Div.), Doc. 676, *C. Ryan* v. *Illinois Steel Co.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Apr. 17, 1926, D. C. Minn. (5th Div.), Doc. E 197, *The Bassick Mfg. Co.* v. *Kelley-How Hardware Co.*

1,307,734. (See 1,307,733.)

1,338,394, F. M. Perez, Display box or carton, suit filed Jan. 7, 1926, D. C., S. D. N. Y., Doc. E 31/57, *Eureka Display Box Corp.* v. *E. H. Darragh et al.* Consent order of discontinuance Apr. 27, 1926.

1,352,798, O. R. Emery, Mud and dust shield for automobiles, suit filed Apr. 1, 1926, D. C., E. D. Wis., Doc. 1848 C. D., *O. R. Emery* v. *Ford Motor Co.*

1,373,108, Stoehrer & Stoehrer, Amusement apparatus, appeal filed Apr. 16, 1926, C. C. A. (4th Cir.), Doc. 2511, *Stoehrer & Pratt Dodgem Corp.* v. *The Glen Echo Park Co., Inc., et al.*

1,388,383, C. H. Smith, Temperature-controlled safety relief valve for hot-water boilers, decree for plaintiff for injunction Apr. 16, 1926, D. C. Mass., Doc. E 2466, *C. H. Smith* v. *Boston Brass Co.*

1,432,499, D. C. Travis, Bed-spring border brace, suit filed Apr. 16, 1926, D. C. Minn. (3d Div.), Doc. 825, *Simmons Co.* v. *U. S. Bedding Co., Inc.*

1,447,001, F. J. Winchell, Shank reenforce, suit filed Apr. 13, 1926, D. C. Mass., Doc. E 2544, *J. L. Shevenell et al.* v. *G. J. Kelly Co., Inc.*

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling, appeal filed Apr. 13, 1926, C. C. A. (2d Cir.), Doc. 9183, *Hazeltine Research Corp.* v. *H. M. Schwab.*

1,498,196, L. G. Pacent, Electric plug, suit filed Feb. 25, 1926, D. C., S. D. N. Y., Doc. E 31/196, *Pacent Electric Co., Inc.*, v. *Granat & Schwartz (Philmore Mfg. Co. & Ajax Products Co.)*. Consent decree sustaining patent and granting injunction, April 22, 1926.

1,556,179, J. R. Titman, Combined choke and needle valve control, suit filed Apr. 12, 1926, D. C., S. D. N. Y., Doc. E 36/206, *J. R. Titman et al.* v. *The Ford Motor Co.*

1,558,194, M. L. Luebben, Sharpening machine, suit filed Mar. 29, 1926, D. C., E. D. Wis., Doc. 1836 C. D., *Dazey Churn & Mfg. Co. et al.* v. *Modern Grinder Mfg. Co.*

1,566,066, H. M. Becher, Process for dying fur and product thereof, suits filed Apr. 12, 1926, D. C., S. D. N. Y., Doc. E 36/207, *P. Becher* v. *Cohen & Feldman, Inc.*; and Doc. E. 36/208, *P. Becher* v. *M. Hartman.*

1,581,094, F. J. Sprague, Train-control apparatus, suit filed Apr. 23, 1926, D. C., S. D. N. Y., Doc. E 36/307, *Sprague Safety Control & Signal Corp.* v. *N. Y. Central R. R. Co. et al.*

Re. 15,278, I. Langmuir, Electron-discharge apparatus, suit filed Apr. 15, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1821, *General Electric Co.* v. *Myers Radio Tube Corp. et al.*

Re. 15,432, E. Crouse, Gasolene-dispensing device, case dismissed on stipulation Mar. 10, 1926, D. C. Colo., Doc. 7444, *The Clear Vision Pump Co.* v. *The Denver Powerine Co. et al.*

Re. 15,482, R. J. Soutullo, Bottle refrigerator, suit filed Mar. 26, 1926, D. C., N. D. Okla., Doc. E 139, *The Liquid Carbonic Co. et al.* v. *Paige Bottle Icer Co. et al.*

Re. 15,881, C. W. Prickett, Concrete and wood floor construction device, appeal filed Apr. 15, 1926, C. C. A. (8th Cir.), Doc. 7433, *The Bull Dog Floor Clip Co.* v. *Munson Mfg. Co.*

Re. 16,194, R. Bass, Presser for velour, bolivia, etc., suit filed Apr. 20, 1926, D. C., S. D. N. Y., Doc. E 36/264, *R. Bass et al.* v. *J. Puritz (N. Y. Pressing Iron Co.)*.

Re. 16,251, O. V. Schellberg, Metal apparatus for use in proctotherapy, suits filed Apr. 8, 1926, D. C., S. D. N. Y., Doc. E 36/190, *O. B. Schellberg* v. *J. Empringham et al.*; and Doc. E 36/191, *Schellberg Mfg. Co.* v. *J. Empringham.*

Des. 60,878, Pardee, Dewire & Suporter, Radiator cap, suit filed Sept. 24, 1924, D. C., S. D. Calif. (S. Div.), Doc. 1-14-J, *Miller & Pardee, Inc.*, v. *L. A. Sweet Mfg. Co. et al.* Interlocutory decree Apr. 14, 1926, holding patent valid and infringed and ordering injunction.

Disclaimer.

1,533,653.—*William A. MacDonald*, Hartsdale, N. Y. MODULATION. Patent dated April 14, 1925. Disclaimer filed May 28, 1926, by the patentee.

Hereby enters this disclaimer to claims 1, 2, 3, and 4 of said Letters Patent, viz:

He disclaims from claims 1, 2, and 3 any generator or means for generating continuous high-frequency carrier oscillations "except a vacuum tube system generator producing continuous high frequency oscillations of substantially constant amplitude and frequency, whereby such oscillations are supplied unmodulated to the modulating amplifier;" and

He disclaims from claim 4 any method of producing signal-modulated high-frequency carrier current of substantially uniform frequency "excepting where the results obtained are the results obtained by the use of a vacuum tube system generator producing continuous high frequency oscillations of substantially constant amplitude and frequency."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 15, 1926.

[VOL. 347. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 183,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAMIREZ & FERAUD CHILE CO., Ventura, Calif. Filed July 16, 1923.

LAS PALMAS

Particular description of goods.—Red Chili Sauce.
Claims use since Feb. 8, 1922.

Ser. No. 189,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM O. SWEZEY, East Cleveland, Ohio. Filed Dec. 14, 1923.

SWEZEY'S
FORGET-ME-NOT BRAND

No claim is made to the word "Brand." The surname "Swezey" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Sweet-Pepper Relish, Sandwich Relish, Olive Spread, Thousand Island Dressing, Tartar Sauce, Pimento Mayonnaise, and Mayonnaise.
Claims use since November, 1920.

Ser. No. 192,758. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARK SON & MORLAND LTD., Glastonbury, England. Filed Feb. 25, 1924.

Particular description of goods.—Textile Rugs and Mats of the Nature of Carpets, Perambulator Textile Rugs and Robes, and Motor Rugs.
Claims use since Dec. 13, 1895.

Ser. No. 193,315. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. VOIGT, Toledo, Ohio. Filed Mar. 5, 1924.

LIQUID INCENSE DIAMOND

No claim is made to the words "Liquid Incense" aside from their use in connection with the word "Diamond."

Particular description of goods.—Deodorizing Preparation.
Claims use since Oct. 1, 1923.

Ser. No. 193,753. (CLASS 39. CLOTHING.) THE BIG STORE COMPANY, Cincinnati, Ohio. Filed Mar. 14, 1924.

BIG STORE FLYER
TRADE MARK

No claim is made to the exclusive use of the words "Big Store" and "Trade-Mark" apart from the mark as shown.

Particular description of goods.—Clothing—Namely, Men's Suits, Three Piece and Two Piece; Men's Overcoats, Men's Dress Pants, Men's Raincoats, Boys' Suits, Boys' Knee Pants, Boys' Overcoats, Boys' Raincoats, Juvenile Suits, Juvenile Wash Suits; Men's Dress, Negligee, and Work Shirts; Neckties; Knitted, Netted, and Textile-Fabric Underwear; Hosiery, Collars, Suspenders, and Gloves; Boys' Dress, Negligee, and Work Shirts; Knitted, Netted, and Textile-Fabric Underwear; Hosiery; Gloves of Leather, Rubber, Fabric, and Their Combinations; and Jackets; Men's Hats and Caps, Boys' Hats and Caps; Men's Leather Shoes, Rubber Overshoes, and Leather Slippers; Boys' Leather Shoes, Rubber Overshoes, and Leather Slippers; Women's, Misses', and Girls' Hats, Textile Aprons, Hosiery, and Knitted, Netted, and Textile-Fabric Underwear.
Claims use since Oct. 10, 1896.

Ser. No. 194,263. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EASTERN LABORATORIES, INC., New York, N. Y. Filed Mar. 22, 1924.

MARVELITE

Particular description of goods.—Therapeutic Lamps.
Claims use since August, 1923.

Ser. No. 194,471. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILADELPHIA CARPET CO., Philadelphia, Pa. Filed Mar. 26, 1924.

The words "Quality, Colors, Design, 3 Shot Velvets, The Sign of Good Carpets" are disclaimed apart from the mark as shown. The drawing is lined for shading and does not denote color.
Particular description of goods.—Wilton Carpets and Rugs.
Claims use since May, 1919.

Ser. No. 196,037. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION TOOL COMPANY, Torrance, Calif. Filed Apr. 23, 1924.

IDEAL

Particular description of goods.—Oil-Well Tools and Equipment Comprising Anchor Clamps, Bit Pulleys, Bit Rams, Blow-Out Preventers, Bowls, Bell Sockets, Ball-Bearing Swivels, Blind Rope Choppers, Bailer Grabs, Bailer Tops, Bailers, Bailer Valves, Back-Pressure Valves, Bit Dressers, Bell Collars, Couplings, Countershaft for Calf-Wheel Drive, Casing Blocks, Casing Hooks, Casing Shoes, Cement Heads, Control Gates, Control Heads, Casing Clamps, Casing Bowls, Collar Sockets, Sucker-Rod Sockets, Combination Bit and Mud Sockets, Casing Cutters, Casing Swabs, Cement Dumps, Core Drills, Casing Swages, Casing Perforators, Casing Splitters, Combination Sockets, Drilling-Rig Irons, Derrick Safety Fingers, Drilling Bits, Derrick Cranes, Drive Heads, Drive Clamps, Drilling Stems, Drilling Nipples, Drive-Down Spears, Die Nipples, Die Collars, Emergency Guy-Wire Slides, Friction Wheels, Floating Plugs, Fish-tail Bits, Fish-Tail-Bit-Handling Tools, Friction Sockets, Fishing Taps, Grip-Ring Devices, Gas Pumps, Gas-Packing Clamps, Hydraulic Swivels, Horn Sockets, Joint Protectors, Jar Sockets, Jar Knockers, Jars, Latch Jacks, Mud Mixers, Mousetraps, Oil-Well Countershafts for Electric Motors, Oil-Well Fishing Tools, Pipe Tongs, Plain Spiders, Packing Spiders, Packing Heads, Reduction Gears, Rotary Sheave Attachment for Crown Blocks, Rotary Slide Tongs, Rotary Spiders, Rotary Disk Bits, Rotary-Tool Joints, Rotary-Drill Collars, Rotary Substitutes, Rotary Reamers, Rotary Underreamers, Rope Spears, Rope Grabs, Rope-Spear Wadders, Rasps, Rotary Jars, Sprockets, Steam Engines, Twin Cylinders, Spudding Shoes, Sand Reels, Swing-Lever Attachments, Sucker-Rod Hooks, Safety Latches for Hooks, Sucker-Rod Elevators, Swinging Spiders, Swivel-Tool Wrenches, Shoe Guides, Substitutes, Sinker Bars, Sucker-Rod Sockets, Sand Pumps, Swab Unloaders, Sanding-Up Preventers, Slip Sockets, Traveling Blocks, Tubing Hooks, Tool Wrenches, Taper-Joint Templets, Taper Joints, Trip Spears, Tubing Spears, Temper Screws, Underreamer Dressing Blocks, Wash-down Spears, Wall Hooks, Wire-Line Guards for Blocks, Water Pumps.
Claims use since Apr. 25, 1906.

Ser. No. 197,931. (CLASS 37. PAPER AND STATIONERY.) NOESTING PIN TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y. Filed June 2, 1924.

SIMPLEX

Particular description of goods.—Paper Clips.
Claims use since 1914.

Ser. No. 198,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURNS FERMA CULTURE BAKING CO. INC., Catskill, N. Y. Filed June 14, 1924.

No claim is made to the exclusive use of the words "Natural Bread", "Secret Formulas", "464 Main St., Catskill, N. Y.", "Phone 1-M.", and the corporate title "Burns Ferma Culture Baking Co., Inc.", apart from the mark shown in the drawing.
Particular description of goods.—Bakers' Products—Viz, Bread.
Claims use since Apr. 28, 1924.

Ser. No. 200,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHE RÉGNIER, Paris, France. Filed July 18, 1924.

SUIVEZ-MOI JEUNE HOMME

Particular description of goods.—Perfumes.
Claims use since Dec. 5, 1923.

Ser. No. 202,156. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE AEROZON AIR CONDITIONING COMPANY, LIMITED, London, England. Filed Sept. 3, 1924.

"AEROZON"

Particular description of goods.—Apparatus for Ventilating Buildings.
Claims use since September, 1923.

Ser. No. 202,813. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE LEVEL FURNITURE COMPANY, Jamestown, N. Y. Filed Sept. 20, 1924.

No claim is made to the word "Level" other than in the particular manner shown in the mark, nor to the words "Bedroom Furniture," "Jamestown, N. Y.", apart from the mark as used.
Particular description of goods.—Bedroom Furniture.
Claims use since Feb. 1, 1924.

Ser. No. 202,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDRIKSSTAD PRESERVING CO., Fredrikstad, Norway. Filed Sept. 23, 1924.

The words "Hummer Ansjos" are disclaimed apart from the mark shown.
Particular description of goods.—Canned Herrings and Anchovies.
Claims use since 1921.

Ser. No. 209,161. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ALEXANDER FORBES & CO., Newark, N. J. Filed Feb. 6, 1925.

Forbes Seeds

The surname "Forbes" as well as the word "Seeds" is herewith disclaimed apart from the mark as shown.
Particular description of goods.—Seeds, Bulbs, and Plants.
Claims use since about Nov. 15, 1924.

Ser. No. 210,198. (CLASS 2. RECEPTACLES.) SIMON-WETZLAR INC., New York, N. Y. Filed Feb. 26, 1925.

ONGARD

Particular description of goods.—Protecting Containers for Milk Bottles and Other Bottles, Made of Metal.
Claims use since Oct. 1, 1924.

Ser. No. 211,057. (CLASS 37. PAPER AND STATIONERY.) W. A. SHEAFFER PEN CO., Fort Madison, Iowa. Filed Mar. 14, 1925.

The mark consists of a white circular figure or dot located on the pen cap.
Particular description of goods.—Pens and Pencils.
Claims use since Sept. 25, 1924.

Ser. No. 211,321. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-HARTFORD CARPET COMPANY, Clinton, Mass.; Thompsonville, Conn., and New York, N. Y. Filed Mar. 20, 1925.

The words "Carpets of Quality" apart from the mark shown are disclaimed.
Particular description of goods.—Textile Carpets and Rugs.
Claims use since some time in 1914.

Ser. No. 211,330. (CLASS 37. PAPER AND STATIONERY.) THE COOKE AND COBB COMPANY, Brooklyn, N. Y. Filed Mar. 20, 1925. Under 10-year proviso.

FAVORITE

Particular description of goods.—Expanding Files of Paper and/or Fabric, Letter and Invoice Files of Paper and/or Fabric, Expanding Envelopes, Metal Clips, Metal Board Clips, and Binders.
Claims use on expanding files of paper and/or fabric, letter and invoice files of paper and/or fabric, and expanding envelopes since about the year 1885, and on metal clips, metal board clips, and binders since the year 1887.

Ser. No. 211,711. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELMER E. SANBORN, Lynn, Mass. Filed Mar. 26, 1925.

Particular description of goods.—Marking Templet for Use in Marking Leather and the Like.
Claims use since Mar. 10, 1925.

Ser. No. 211,919. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Kashmir Royal

Applicant disclaims the right to the exclusive use of the word "Kashmir" apart from the trade-mark shown in the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,937. (CLASS 39. CLOTHING.) LEWIS WISE CO., INC., New York, N. Y. Filed Mar. 31, 1925.

SCOTCLAD

No claim is made to the exclusive use of the word "Scot" apart from the mark as shown in the drawing.
Particular description of goods.—Men's Robes, Gowns, Lounge Suits, and Jackets.
Claims use since Jan. 30, 1925.

Ser. No. 212,112. (CLASS 39. CLOTHING.) UTAH WOOLEN MILLS, Salt Lake City, Utah. Filed Apr. 2, 1925.

Particular description of goods.—Woolen Garments—Namely, Sweaters, Knit Dresses, Knit Suits for Women, Knit Skirts, Dress and Work Shirts, Woolen and Flannel Fabric Overshirts.
Claims use since about Jan. 15, 1925.

Ser. No. 212,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERRY MILK PRODUCTS COMPANY, Perry, Iowa. Filed Apr. 6, 1925.

No claim is made to the term "Hi-Lactic" apart from the mark as shown on the drawing.
Particular description of goods.—Feed for Hogs and Chickens.
Claims use since Jan. 1, 1925.

Ser. No. 212,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RED STAR MILLING COMPANY, Wichita, Kans. Filed Apr. 7, 1925.

QUEEN QUALITY

Particular description of goods.—Wheat Flour.
Claims use since Sept. 18, 1908.

Ser. No. 212,536. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HART O. BERG, New York, N. Y. Filed Apr. 11, 1925.

MAXIUM

Particular description of goods.—Magnesium Metal and Castings and Forgings Thereof.
Claims use since January, 1925.

Ser. No. 212,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 14, 1925.

Kashmir Imperial

The trade-mark consists of the word "Imperial". Applicant disclaims the right to the exclusive use of the word "Kashmir" apart from the trade-mark shown in the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 212,763. (CLASS 39. CLOTHING.) TRABULSI KNIT FABRIC CO., New York, N. Y. Filed Apr. 15, 1925.

The word "Chenilles" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Mufflers.
Claims use since January, 1925.

Ser. No. 212,904. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ECONOMY ENGINEERING COMPANY, Chicago, Ill. Filed Apr. 18, 1925.

ECONOMY-LIFTER

No claim is made to the lining which indicates red and yellow colors on the drawing, nor is any claim made to the exclusive use of the word "Lifter" apart from the hyphenated expression shown in the drawing.
Particular description of goods.—Tiering Machines.
Claims use since Mar. 10, 1925.

Ser. No. 213,060. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BEST & CO., INC., New York, N. Y. Filed Apr. 21, 1925. Under section 5b of the act of 1905, as amended in 1920.

Best & Co.

Particular description of goods.—Soap in Liquid, Cake, Stick, Cream, or Powder Form.
Claims use since Apr. 2, 1925.

Ser. No. 213,339. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WICKER TOURS, Richmond, Va. Filed Apr. 25, 1925.

The Wicker Tours

"Travel free from Worry"

Particular description of goods.—Travel Pamphlets, Maps, and Guide Books Published from Time to Time.
Claims use since January, 1921.

Ser. No. 213,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRI A MINT COMPANY, Cincinnati, Ohio. Filed Apr. 29, 1925.

TriAMint

No exclusive right is claimed to the word "Mint" except in the connection shown.
Particular description of goods.—Candy.
Claims use since Dec. 20, 1920.

Ser. No. 213,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WALLACE MILLING CO., Huntingburg, Ind. Filed May 6, 1925.

PURITY

Particular description of goods.—Wheat Flour and Cake Flour.
Claims use since 1876.

Ser. No. 214,061. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PATRICK F. DENNING, doing business as Denning Manufacturing Company, Cleveland, Ohio. Filed May 9, 1925.

SPEED SKEES

No claim is made to the word "Skees" apart from the representation shown in the drawing.
Particular description of goods.—Snow and Ice Skates.
Claims use since about November, 1922.

Ser. No. 214,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARDZROONI BROTHERS, Fresno, Calif. Filed May 19, 1925.

LONE STAR

The portrait shown in the mark is fanciful.
Particular description of goods.—Fresh Grapes.
Claims use since 1918.

Ser. No. 214,752. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SANITARIUM AND HOSPITAL EQUIPMENT COMPANY, Battle Creek, Mich. Filed May 22, 1925.

KIL-A-KOLD

Particular description of goods.—Inhalers.
Claims use since Aug. 13, 1924.

Ser. No. 214,848. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE CHAIN PRODUCTS COMPANY, Cleveland, Ohio. Filed May 25, 1925.

Hodell

The trade-mark consists of the surname of the president of the applicant in substantially the form in which it appears in the signature of said officer.
Particular description of goods.—Chains and Chain Products and Hooks, Rings, Bolts, Swivels, Snaps, Toggles, Screw Eyes, Links, and Fasteners for Tire Chains, All of Base Metal.
Claims use since April, 1915.

Ser. No. 214,958. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HEGGIE-SIMPLEX BOILER COMPANY, Joliet, Ill. Filed May 27, 1925.

HEGGIE-SIMPLEX

Particular description of goods.—Heating Boilers and Garbage Burners.
Claims use since Mar. 13, 1925.

Ser. No. 215,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTIN BROS. CO., Denver, Colo. Filed May 29, 1925.

Bluhill Coffee

No claim is made to the exclusive right to the use of the word "Coffee" apart from the rest of the mark in the drawing.
Particular description of goods.—Coffee.
Claims use since Apr. 1, 1925.

Ser. No. 215,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUEEN ANNE CANDY COMPANY, Hammond, Ind. Filed June 15, 1925.

NUTTY FAGANS

Particular description of goods.—Candy.
Claims use since Jan. 2, 1925.

Ser. No. 215,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUEEN ANNE CANDY COMPANY, Hammond, Ind. Filed June 15, 1925.

FAGANS

Particular description of goods.—Candy.
Claims use since Jan. 2, 1925.

Ser. No. 216,337. (CLASS 5. ADHESIVES.) THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Filed June 24, 1925.

ROYAL G K WORCESTER 1851

Applicant disclaims any exclusive right in the name "Worcester" apart from the mark as shown in the drawing.
Particular description of goods.—Adhesive Belt Cement.
Claims use since about 1900.

Ser. No. 217,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CALIFORNIA SPRAYER COMPANY, Los Angeles, Calif. Filed July 16, 1925.

Calispray

Particular description of goods.—Insecticides.
Claims use since Jan. 1, 1921.

Ser. No. 218,332. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEO R. REED, doing business as Zenith Chemical Works, Chicago, Ill. Filed Aug. 3, 1925.

Zenith

Particular description of goods.—Liquid of Spiritlike Consistency Used as a Cover or Finish on Varnished Surfaces in Order to Fill Up the Pores of the Varnish and Produce a Smooth Finish.
Claims use since 1906.

Ser. No. 218,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KLAMATH RIVER PACKERS ASSOCIATION, Requa, Calif. Filed Aug. 5, 1925.

REQUA

Particular description of goods.—Canned Salmon.
Claims use since May 12, 1925.

Ser. No. 219,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. BURKI & CIE., Bern, Switzerland. Filed Aug. 22, 1925.

SWISS CHEESE NET WEIGHT 8 OZ. CROWN BRAND
GRUYERE EXTRA FIN MARQUE COURONNE
QUESO DE SUIZA MARCA CORONA
6 PORTIONS 6 PORTIONS
MADE IN SWITZERLAND
BURKI & CIE BERNE-SUISSE

No claim is made to the exclusive use of the words "Swiss Cheese Net Weight 8 oz. Brand, Gruyere Extra Fin Marque, Queso de Suiza Marca, 6 Portions, Made in Switzerland Burki & Cie. Berne-Suisse" apart from the mark as shown in the drawing.
Particular description of goods.—Gruyère Cheese.
Claims use since May, 1922.

Ser. No. 219,457. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMOS EDKER SHROPSHIRE, Columbus, Ohio. Filed Aug. 27, 1925.

SUNLIGHT OIL

The mark consists of a half-length portrait of applicant and the words "Sunlight Oil." Applicant disclaims the exclusive right to the use of the word "Oil" except as the same is used in connection with the other features of the mark as shown on the drawing.
Particular description of goods.—A Preparation for Rheumatism, Burns and Scalds, Sore Feet, Sore Joints, and Sprains.
Claims use since Aug. 10, 1925.

Ser. No. 219,975. (CLASS 37. PAPER AND STATIONERY.) CHARLES B. MARTIN, doing business as Martin Manufacturing Concern, Canton, Ohio. Filed Sept. 8, 1925.

Eclipse

Particular description of goods.—Rubber Bands.
Claims use since July, 1922.

Ser. No. 220,713. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GENERAL RUBBER REPAIR CO., Detroit, Mich. Filed Sept. 24, 1925.

The shading is used to indicate color, the vertical lines indicating the color red and the other lines indicating the color blue. Disclaimer is made of all wording appearing on the drawing excepting the word "General."

Particular description of goods.—Patch Material for Rubber Tires.

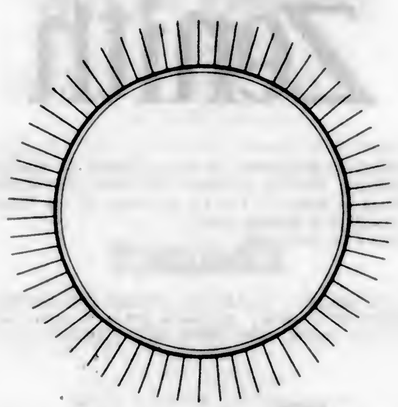
Claims use since July 26, 1924.

Ser. No. 220,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. KINGSLAND JOHNSON, Fishkill, N. Y. Filed Sept. 28, 1925.

Particular description of goods.—Salve Used Externally for Any Inflammatory Condition, Such as Cuts, Bruises, Boils, or Any Ailment of Such Nature.

Claims use since about 1910.

Ser. No. 220,903. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. KINGSLAND JOHNSON, Fishkill, N. Y. Filed Sept. 28, 1925.



Particular description of goods.—Salve Used Externally for Any Inflammatory Condition, Such as Cuts, Bruises, Boils, or Any Ailment of Such Nature.

Claims use since about 1910.

Ser. No. 220,972. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y. Filed Sept. 29, 1925.

Registration of the word "Prints" is not claimed apart from the mark shown.

Particular description of goods.—Silk, Cotton, Rayon, Artificial-Silk, and Worsted Piece Goods and Combinations Thereof.

Claims use since Jan. 15, 1925.

Ser. No. 221,512. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SACOL LABORATORY, Brooklyn, N. Y. Filed Oct. 9, 1925.

Particular description of goods.—Dog Remedies for the Relief of Worms, Mange, and Skin Diseases, Distemper, Constipation, Diarrhea and Dysentery, Indigestion, and Sore, Inflamed, Mattered, and Abscessed Eyes.

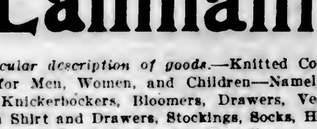
Claims use since November, 1923.

Ser. No. 221,741. (CLASS 15. OILS AND GREASES.) EVERETT F. GAINOR, doing business as Gainor Manufacturing Co., Oakland, Calif. Filed Oct. 15, 1925.

Particular description of goods.—Penetrating Oil.

Claims use since September, 1923.

Ser. No. 222,029. (CLASS 39. CLOTHING.) H. HEINZELMANN, Reutlingen, Germany. Filed Oct. 20, 1925. Under 10-year proviso.



Particular description of goods.—Knitted Cotton Garments for Men, Women, and Children—Namely, Undershirts, Knickerbockers, Bloomers, Drawers, Vests, Combination Shirt and Drawers, Stockings, Socks, Hats, Caps, Belts, Corsets, Bust Holders, and Bretelles.

Claims use since 1885.

Ser. No. 222,143. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PROGRESSIVE WEAVING CO., Camden, N. J. Filed Oct. 22, 1925.

Exclusive right to the word "Service" and the words "Cotton Padding" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Long Lengths of Cotton Padding as Used Upon Laundry Machinery.

Claims use since about Aug. 15, 1924.

Ser. No. 222,313. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Oct. 26, 1925.

Particular description of goods.—Toilet Soap.

Claims use of the words "Colgate's" and "Colgate & Co." since 1858 and in respect of the mark shown on the drawing since 1897.

Ser. No. 222,505. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HYMAN GOLDENSON, doing business as Goldenson Furniture Company, Pittsburgh, Pa. Filed Oct. 29, 1925.

Particular description of goods.—Gas and Coal Ranges and Combination Gas and Coal Ranges.

Claims use since June 17, 1925.

Ser. No. 222,521. (CLASS 37. PAPER AND STATIONERY.) C. M. RICE PAPER COMPANY, Portland, Me. Filed Oct. 29, 1925.

Particular description of goods.—Bond Paper, Ledger Paper, Writing Paper, and Cardboard.

Claims use since July 1, 1925.

Ser. No. 222,824. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS J. CONLEY, doing business as Iron Tone Medicine Company, Philadelphia, Pa., and Georgetown, S. C. Filed Nov. 5, 1925.

BLOOD WONDER

The word "Blood" is disclaimed apart from the mark as shown.

Particular description of goods.—Blood Tonic.

Claims use since Jan. 1, 1919.

Ser. No. 222,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS J. CONLEY, doing business as Iron Tone Medicine Company, Philadelphia, Pa., and Georgetown, S. C. Filed Nov. 5, 1925.

T J Conley

The portrait is that of applicant.

Particular description of goods.—Tonic or Medicine Known as Chill and Fever Tonic.

Claims use since Jan. 1, 1919.

Ser. No. 223,020. (CLASS 31. FILTERS AND REFRIGERATORS.) THE CALIFORNIA REFRIGERATION MANUFACTURING COMPANY, Los Angeles, Calif. Filed Nov. 9, 1925.

ZERO-AIRE
"THE BREATH OF WINTER"

Particular description of goods.—Refrigerating Machines.

Claims use since Aug. 1, 1923.

Ser. No. 223,119. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) "FRIEND" MANUFACTURING COMPANY, Gasport, N. Y. Filed Nov. 11, 1925.

"SPRAWAY"

Particular description of goods.—Washing Device for Automobiles.

Claims use since Sept. 1, 1925.

Ser. No. 223,169. (CLASS 39. CLOTHING.) HALPERN-NAVISON SHOE CO., Boston, Mass. Filed Nov. 12, 1925.

The words "Bond" and "Boston" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.

Claims use since Feb. 7, 1922.

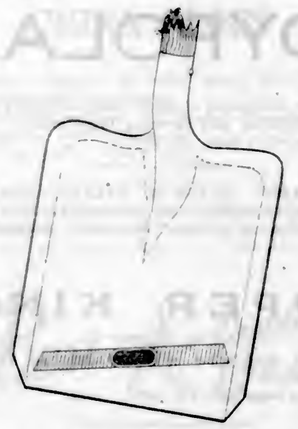
Ser. No. 223,409. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PULMOSAN SAFETY EQUIPMENT CO., Brooklyn, N. Y. Filed Nov. 16, 1925.

Pulmosan

Particular description of goods.—Nose and Mouth Respirators; Goggle Respirators Protecting Eyes, Nose, and Mouth; Sand-Blast Helmets, Welding Helmets, Bag House Helmets, Dust Hoods, Face Masks, Babbitting Masks, Chipping Masks, Pure-Air Masks, and Pure-Air Respirators.

Claims use since August, 1915.

Ser. No. 223,600. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PITTSBURGH SHOVEL COMPANY, Pittsburgh, Pa. Filed Nov. 20, 1925.



No claim is made to any particular color or design of the band or to the lining shown in the drawing, which indicates the colors red and blue, or to the exclusive right to the use of the representation of a shovel apart from the mark substantially as shown. The mark consists of a colored band laid across and secured to the face portion of the shovel blade and arbitrarily located near the lower end thereof.

Particular description of goods.—Shovels.

Claims use since January, 1924.

Ser. No. 223,807. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHINDEL-MCDANIELS COMPANY, New York, N. Y. Filed Nov. 24, 1925.

No claim is made to the words "Better Grade" aside from the mark shown on the drawing.

Particular description of goods.—Sheets, Pillowcases, Bedspreads, Cotton and Woolen Flannels, Towels, Diapers, and Blankets of Textile Fabrics.

Claims use since January, 1924.

Ser. No. 223,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALLIS INC., Cincinnati, Ohio. Filed Nov. 25, 1925.

Peter Pan
OPAL HUE
BEAUTY *powder*

No claim is made herein broadly to the words "Beauty Powder" except in association with the other features illustrated on the drawing.

Particular description of goods.—Toilet Preparations—Namely, Beauty Powder.

Claims use since on or about Apr. 30, 1925.

Ser. No. 224,150. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIÖ SAVO, Kuopio, Finland. Filed Dec. 1, 1925.

No claim is made to the exclusive use of the words "Impregnated Safety Matches, made by Osakeyhtio Savo, Kuopio, Suomi-Finland."

Particular description of goods.—Matches.

Claims use since April, 1924.

Ser. No. 224,151. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIÖ SAVO, Kuopio, Finland. Filed Dec. 1, 1925.

No claim is made to the exclusive use of the words "Impregnated Safety Matches, made by Osakeyhtio Savo, Kuopio, Suomi-Finland."

Particular description of goods.—Matches.

Claims use since April, 1924.

Ser. No. 224,152. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIÖ SAVO, Kuopio, Finland. Filed Dec. 1, 1925.

No claim is made to the exclusive use of the words "Impregnated Safety Matches, made by Osakeyhtio Savo, Kuopio, Suomi-Finland."

Particular description of goods.—Matches.

Claims use since April, 1924.

Ser. No. 224,153. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIÖ SAVO, Kuopio, Finland. Filed Dec. 1, 1925.

No claim is made to the words "Impregnated Safety Matches, made by Osakeyhtio Savo, Kuopio, Suomi-Finland."

Particular description of goods.—Matches.
Claims use since April, 1924.

Ser. No. 224,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Dec. 7, 1925.

Hearts of Hollywood

Particular description of goods.—Chocolate Candy.
Claims use since Nov. 14, 1925.

Ser. No. 224,495. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ERNEST ALBERT BELCHER, London, England. Filed Dec. 10, 1925.

TREASURE ISLAND

Particular description of goods.—Amusement Parks Equipped With Structural Elements and Contrivances and Amusement Devices for Educational and Amusement Purposes.
Claims use since May 13, 1925.

Ser. No. 224,539. (CLASS 39. CLOTHING.) ALASKA FUR COMPANY, San Antonio, Tex. Filed Dec. 11, 1925.

No claim is made to the words "Alaska Fur Company" apart from the mark shown on the drawing.

Particular description of goods.—Women's, Misses', and Children's Chokers, Neckpieces, Capes, Coats, Hats, Gloves, and Mittens Made Wholly or in Part of Fur.
Claims use since Oct. 1, 1925.

Ser. No. 224,658. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES A. DUTTON, Rochester, N. Y. Filed Dec. 14, 1925.

DYPOLA

Particular description of goods.—Bottled Liquid Leather Cleaning, Finishing, and Dressing Preparations.
Claims use since Sept. 15, 1919.

Ser. No. 224,696. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DELION TIRE AND RUBBER CORPORATION, Baltimore, Md. Filed Dec. 15, 1925.

SUPER KING

Particular description of goods.—Rubber Tires for Automobiles.
Claims use since Apr. 13, 1925.

Ser. No. 224,896. (CLASS 39. CLOTHING.) BLECHER, ARNOLD & ENGELBERG, Chicago, Ill. Filed Dec. 19, 1925.

Betty Arnold

The name "Betty Arnold" is a facsimile of the signature of Betty Arnold.

Particular description of goods.—Women's and Misses' Dresses and Gowns.
Claims use since June 1, 1925.

Ser. No. 225,157. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GLOBE SPECIALTY CO., Chicago, Ill. Filed Dec. 23, 1925.

Crystal-Onyx

No claim is made to the word "Onyx" apart from the mark shown, "Crystal-Onyx."

Particular description of goods.—Caps for Motor-Vehicle Radiators and Extensions for Motor-Vehicle Gear-Shift Levers.
Claims use since Oct. 25, 1925.

Ser. No. 225,215. (CLASS 37. PAPER AND STATIONERY.) ALGONQUIN PAPER COMPANY, Huntington Mills, Pa. Filed Dec. 28, 1925.

CHINA GLOSS

No claim is made to the word "Gloss" apart from the mark as shown in the drawing.

Particular description of goods.—Wrapping Paper, Paper Napkins, and Stationery.
Claims use since January, 1918.

Ser. No. 225,217. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN H. BEST & SONS, Galva, Ill. Filed Dec. 28, 1925.

Best Display Racks

No claim is made to the words "Display Racks" except in connection with the mark as shown.

Particular description of goods.—Display Racks.
Claims use since Jan. 1, 1914.

Ser. No. 225,455. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) UNION BEVERAGE COMPANY, INC., doing business as Magnolia Products Company, New Orleans, La. Filed Jan. 2, 1926.

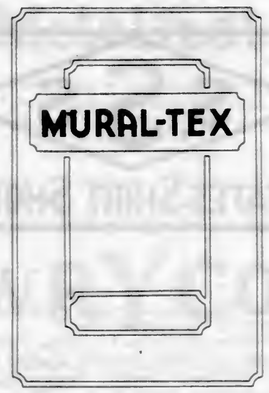
Particular description of goods.—Malt Sirup.
Claims use since Dec. 24, 1925.

Ser. No. 225,773. (CLASS 37. PAPER AND STATIONERY.) ROBERT CUMMINGS, Toronto, Ontario, Canada. Filed Jan. 11, 1926.

KAZAK

Particular description of goods.—Loose-Leaf Binders.
Claims use since Dec. 23, 1925.

Ser. No. 225,834. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Jan. 12, 1926.



Particular description of goods.—Dry Powder to be Mixed with Water and Used as a Plastic Paint for Wall and Ceiling Surfaces.
Claims use since Aug. 15, 1925.

Ser. No. 226,019. (CLASS 39. CLOTHING.) POSNER HOSIERY, INC., New York, N. Y. Filed Jan. 16, 1926.

Luvburd

Particular description of goods.—Hosiery, Pyjamas, Nightgowns; Shoes of Leather and Silk, Leather, Fabric, or Rubber, and Combinations of These Materials; and Underwear for Men, Women, and Children, of Textile and Knitted Materials.
Claims use since Jan. 7, 1926.

Ser. No. 226,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-H-O COMPANY, INC., Buffalo, N. Y. Filed Jan. 18, 1926.

Cream

Particular description of goods.—Farina and Self-Rising Flour.
Claims use since 1906.

Ser. No. 226,090. (CLASS 39. CLOTHING.) GEORGE G. BACHMAN, doing business as States Shirt Shops, Norfolk, Va. Filed Jan. 19, 1926.

S.S.S
STATES SHIRT SHOPS

No claim is made for the words "Shirt Shops" except in connection with the mark as shown.

Particular description of goods.—Dress, Negligee, Work, and Under Shirts; Collars, Neckties, Knitted and Textile Underwear, Pyjamas, Robes, Suspenders, Garters, Sweaters, Hats, Gloves of Leather and Fabric and Combinations Thereof, Golf Coats and Vests for Men and Boys.

Claims use since Jan. 1, 1924.

Ser. No. 226,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYDIA E. PINKHAM MEDICINE CO., Saco, Me., and Lynn, Mass. Filed Jan. 21, 1926.

No claim is made to the exclusive use of the printed matter shown on the drawing apart from the mark as shown in the drawing. The signature "Yours for Health Lydia E. Pinkham" is in handwriting of Lydia E. Pinkham, the founder of the company, and the portrait is that of Lydia E. Pinkham.

Particular description of goods.—Vegetable Compound—Viz, Blood Purifiers, Remedies for Female Complaints, and Liver Pills.

Claims use since Dec. 24, 1925.

Ser. No. 226,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANUEL E. FERNANDEZ, New York, N. Y. Filed Jan. 23, 1926.

GOLDORA

No claim is made to the color lines apart from the other features of the mark.

Particular description of goods.—Fresh Citrous Fruits.

Claims use since November, 1924.

Ser. No. 226,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLSON MILLS, Henderson, Ky. Filed Jan. 30, 1926.

VITA PURE

The dots appearing on the drawing are used for shading purposes only. No claim is made to the word "Pure" apart from the mark shown in the drawing.

Particular description of goods.—Wheat Flour, Graham Flour, Egg Mash, Pig Mash, Dairy Feed, Corn Meal, Scratch Feed, Cut Corn, and Buttermilk, Scratch Fattener.

Claims use since February, 1925.

Ser. No. 226,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS I. WEINER, doing business as Tablax Company, New York, N. Y. Filed Jan. 30, 1926.

LEN'S GOOSE GREASE RUB

No claim is made to the words "Goose Grease Rub" apart from the mark shown in the drawing.

Particular description of goods.—Medicinal Compound.

Claims use since Jan. 2, 1926.

Ser. No. 226,828. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed Feb. 3, 1926.

Trio

Particular description of goods.—Billiard Chalk, Marking Chalk, Rubber Bands (Not Woven), Lead Pencils, Colored Pencils, Copying Pencils, Ink Pencils, and Mechanical Lead Pencils.

Claims use since 1909.

Ser. No. 226,908. (CLASS 39. CLOTHING.) NATIONAL DEP'T STORES, INC., New York, N. Y. Filed Feb. 5, 1926.

Smartleigh

The mark consists of the word "Smartleigh."

Particular description of goods.—Men's and Boys' Wearing Apparel—Viz, Suits, Overcoats; Dress, Negligee, and Work Shirts; Underwear of Knitted and Textile Fabric, Blouses, Cravats, and Mufflers.

Claims use since Dec. 1, 1925.

Ser. No. 226,972. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Feb. 6, 1926. Under 10-year proviso.

Pro-phy-lac-tic

Particular description of goods.—Traveling Cases.

Claims use since 1885.

Ser. No. 226,984. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMUEL S. SHAPIRO, doing business as Fabricon Textile Company, New York, N. Y. Filed Feb. 6, 1926.

Metalfast

Particular description of goods.—Cotton Fabrics, Silk and Cotton Fabrics, and Silks in Yard Pieces.

Claims use since Jan. 13, 1926.

Ser. No. 227,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WRYCO MILLING COMPANY, INC., Leesville, S. C. Filed Feb. 9, 1926.

WRYCo

Particular description of goods.—Cereal Foods of the Breakfast-Food Type.

Claims use since Sept. 1, 1925.

Ser. No. 227,100. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN ARLESHEIM LABORATORIES INC., New York, N. Y. Filed Feb. 10, 1926.

LYMO

Particular description of goods.—Salve Used in the Treatment of Head Colds and Catarrh.

Claims use since August, 1925.

Ser. No. 227,112. (CLASS 38. PRINTS AND PUBLICATIONS.) COLUMBUS RETAIL GROCERS' ASSOCIATION, Columbus, Ohio. Filed Feb. 10, 1926.

The lining of drawing is merely for the purpose of indicating shading and not for color.

Particular description of goods.—Monthly Magazine.

Claims use since January, 1910.

Ser. No. 227,269. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALONZO F. GAIDOS, San Francisco, Calif. Filed Feb. 13, 1926.

Measurite

Particular description of goods.—Combined Pencils and Rules.
Claims use since Nov. 15, 1925.

Ser. No. 227,329. (CLASS 39. CLOTHING.) TABIN-PICKER & Co., Chicago, Ill. Filed Feb. 15, 1926.

Particular description of goods.—Cotton, Silk, and Artificial-Silk Aprons and Dresses.
Claims use since Jan. 28, 1926.

Ser. No. 227,362. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAUTZ PAINT AND GLASS COMPANY, Madison, Wis. Filed Feb. 16, 1926.

Sheen-Kote

Particular description of goods.—Paste and Ready-Mixed Paints.
Claims use since Nov. 1, 1925.

Ser. No. 227,363. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAUTZ PAINT AND GLASS COMPANY, Madison, Wis. Filed Feb. 16, 1926.

Stand-All Barn Paint

The words "Barn Paint" are disclaimed apart from the other features of the mark shown.
Particular description of goods.—Paste and Ready-Mixed Paints.
Claims use since Nov. 1, 1925.

Ser. No. 227,364. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAUTZ PAINT AND GLASS COMPANY, Madison, Wis. Filed Feb. 16, 1926.

MAUTZ

The word "Mautz" is disclaimed apart from the other features of the mark.
Particular description of goods.—Paste and Ready-Mixed Paints.
Claims use since Nov. 1, 1925.

Ser. No. 227,367. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAUTZ PAINT AND GLASS COMPANY, Madison, Wis. Filed Feb. 16, 1926.

Glo-Kote

Particular description of goods.—Paste and Ready-Mixed Paints.
Claims use since Nov. 1, 1925.

Ser. No. 227,379. (CLASS 37. PAPER AND STATIONERY.) WESLEY & WINTER, INC., Newark, N. J. Filed Feb. 16, 1926.

Fountain Pen Vellum

No registration rights are claimed for the word "Vellum" apart from the mark shown.
Particular description of goods.—Writing Paper and Mailing Envelopes.
Claims use since June 10, 1924.

Ser. No. 227,434. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BISSINGER CANDY COMPANY, Cincinnati, Ohio. Filed Feb. 18, 1926. Under 10-year proviso.

Bissinger's

Particular description of goods.—Candy.
Claims use since 1863.

Ser. No. 227,436. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BISSINGER CANDY COMPANY, Cincinnati, Ohio. Filed Feb. 18, 1926.

Particular description of goods.—Candy.
Claims use since Feb. 6, 1920.

Ser. No. 227,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA FLOUR MILLS CO., Omaha, Nebr. Filed Feb. 23, 1926.

Hy-Test

Particular description of goods.—Wheat Flour.
Claims use since Aug. 1, 1925.

Ser. No. 227,689. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE ROYAL MARTEL CORPORATION, New York, N. Y. Filed Feb. 23, 1925.

The lining on the drawing is for shading only, applicant not claiming any particular color.
Particular description of goods.—Motor Vehicles—Namely, Taxicabs.
Claims use since May 24, 1925.

Ser. No. 227,737. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio. Filed Feb. 24, 1926.

TRUVAL

Particular description of goods.—Metal Furniture—Namely, Filing Cabinets.
Claims use since Feb. 6, 1926.

Ser. No. 227,851. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) T. H. PROSSER AND SONS LIMITED, London, England. Filed Feb. 26, 1926.

PHENOMENON

Particular description of goods.—Sporting Goods Comprising Lawn-Tennis Rackets, Tennis Balls, Tennis Posts, Croquet Sets, Cricket Bats, and Hockey Sticks.
Claims use since Aug. 15, 1908.

Ser. No. 227,871. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMBECOR CORPORATION, New York, N. Y. Filed Feb. 27, 1926.

Particular description of goods.—Ornamental Shoe-Lace Holder Made of Nonprecious Metal.
Claims use since Feb. 17, 1926.

Ser. No. 227,927. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed Feb. 27, 1926.

WOLVERINE

Particular description of goods.—Pipe-Cutter Wheels, Threading Sets, and Hack-Saw Blades.
Claims use since Aug. 1, 1914.

Ser. No. 227,941. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DR. DOROGI & CO. RUBBER GOODS FACTORY LTD., Budapest, Hungary. Filed Mar. 1, 1926.

Dorco

"Dorco."

Particular description of goods.—Inflatable Rubber Toys and Balls.

Claims use since Jan. 8, 1920.

Ser. No. 227,948. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HERRMANN BROS. COMPANY, Detroit, Mich. Filed Mar. 1, 1926.

Particular description of goods.—Malt Beverages, Extracts, and Liquors.

Claims use since July 15, 1925.

Ser. No. 227,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAHAN PRODUCTS COMPANY, Louisville, Ky. Filed Mar. 1, 1926.

Particular description of goods.—Aspirin, Cough Sirup, Epsom Salts, Peroxide of Hydrogen, and Castor Oil.

Claims use since Sept. 1, 1925.

Ser. No. 227,978. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WEDLER-SHUFORD CO., St. Louis, Mo. Filed Mar. 1, 1926.

WEDFORD

Particular description of goods.—Seat Pads, Steering-Wheel Grips, Side Curtains for Automobiles, Top-Renewal Covers for Inclosed Cars, and Spring Savers for Ford Automobiles.

Claims use since April, 1921, applied to seat pads; October, 1923, applied to steering-wheel grips; January, 1925, applied to side curtains for automobiles; top-renewal covers for inclosed cars since January, 1926; spring savers for Ford automobiles since September, 1924.

Ser. No. 228,005. (CLASS 38. PRINTS AND PUBLICATIONS.) PETROLEUM WORLD PUBLISHING COMPANY, INC., Los Angeles, Calif. Filed Mar. 2, 1926.

MODERN Irrigation

The Magazine of Applied Hydraulics

Exclusive use of the descriptive phrase "The Magazine of Applied Hydraulics" being disclaimed apart from the mark shown.

Particular description of goods.—Monthly Magazine.

Claims use since July 1, 1925.

Ser. No. 228,006. (CLASS 38. PRINTS AND PUBLICATIONS.) PETROLEUM WORLD PUBLISHING COMPANY, INC., Los Angeles, Calif. Filed Mar. 2, 1926.

PETROLEUM WORLD

"Petroleum World" and the illustration of the Western Hemisphere shown in the accompanying drawing.

Particular description of goods.—Monthly Magazine.

Claims use since Jan. 1, 1920.

Ser. No. 228,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SWEETS COMPANY OF AMERICA, INCORPORATED, New York, N. Y. Filed Mar. 2, 1926.

Particular description of goods.—Cough Drops.

Claims use since Dec. 8, 1925.

Ser. No. 228,029. (CLASS 39. CLOTHING.) DANZIG & LEVINE, New York, N. Y. Filed Mar. 3, 1926.

No claim is made to the words "Devonshire Clothes" and "New York" apart from the mark as shown on the drawing.

Particular description of goods.—Men's, Young Men's, and Boys' Clothing—Namely, Overcoats, Suits, Topcoats, and Trousers.

Claims use since 1921.

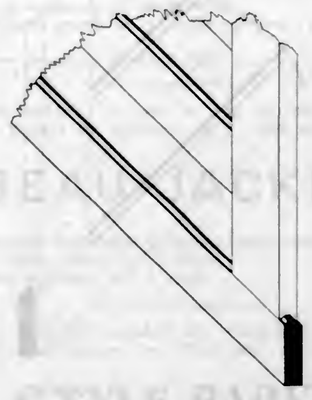
Ser. No. 228,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Mar. 3, 1926.

PROTODERM

Particular description of goods.—Chemical Preparation for Treating Leather and for Dyeing Leather and Skins.

Claims use since Jan. 28, 1925.

Ser. No. 228,042. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

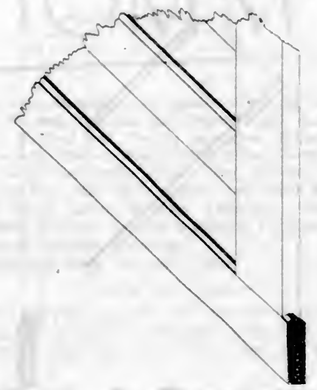


The representation of the portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a red color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,043. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

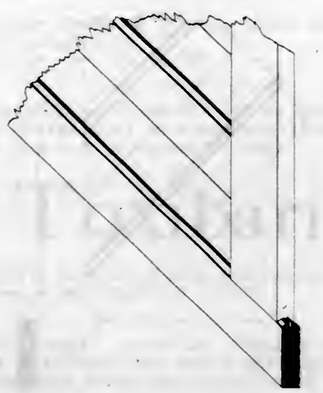


The representation of a portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a yellow color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,044. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

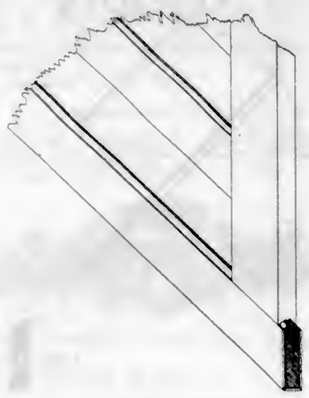


The representation of a portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a blue color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,045. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

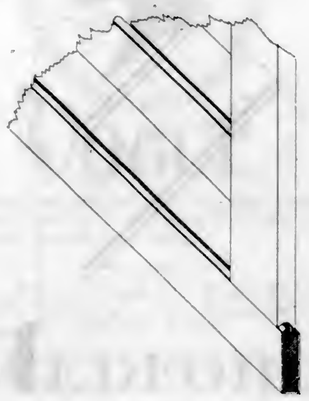


The representation of a portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a green color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,046. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

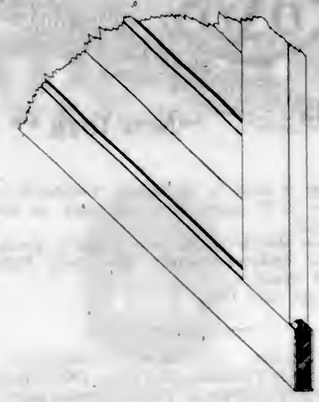


The representation of the portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a purple color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,047. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.

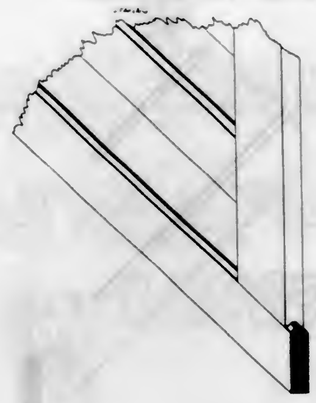


The representation of a portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a brown color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,048. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Mar. 3, 1926.



The representation of the portion of a door does not form a part of the registration sought. The trade-mark is applied or affixed to the goods by painting the ends of the door stiles a black color.

Particular description of goods.—Doors.

Claims use since about Jan. 1, 1925.

Ser. No. 228,166. (CLASS 32. FURNITURE AND UPHOLSTERY.) SALVATORE APICELLA, doing business as The Arrow Upholstery Company, New York, N. Y. Filed Mar. 5, 1926.

"ARROWBILT"

Particular description of goods.—Upholstered Furniture—Namely, Parlor Suits, Davenports, and Living-Room Chairs.

Claims use since about September, 1923.

Ser. No. 228,200. (CLASS 43. THREAD AND YARN.) A. SCHURMANN, INC., Brooklyn, N. Y. Filed Mar. 5, 1926.

LET

Particular description of goods.—Artificial-Silk Yarn.

Claims use since Jan. 26, 1926.

Ser. No. 228,262. (CLASS 39. CLOTHING.) PARISIAN MFG. CO., INC., New York, N. Y. Filed Mar. 6, 1926.

Fleuray FROCKS

No claim is made to the word "Frocks" apart from the mark as shown on the drawing.

Particular description of goods.—Women's and Misses' Dresses.

Claims use since January, 1926.

Ser. No. 228,333. (CLASS 39. CLOTHING.) ROSENBERG BROS. & Co., Rochester, N. Y. Filed Mar. 8, 1926.

BEAU-JACKET

Particular description of goods.—Men's Suits Consisting of Coats, Vests, and Trousers.

Claims use since Oct. 1, 1925.

Ser. No. 228,380. (CLASS 39. CLOTHING.) ALIHU KLEIN, McKeesport, Pa. Filed Mar. 9, 1926.

STYLE PARK

Particular description of goods.—Men's and Boy's Suits and Overcoats.

Claims use since Aug. 1, 1925.

Ser. No. 228,422. (CLASS 39. CLOTHING.) FRANKLIN SIMON & Co. INC., New York, N. Y. Filed Mar. 10, 1926.

TOMMY

Particular description of goods.—Women's, Girls', and Misses' Dresses, Tailored Suits, Sport Coats, Suits, Skirts, Corsets, Knitted and Textile Negligees, Sweaters, Mufflers, Collars, Hosiery, Golf Suits, Riding Suits, Walking Suits, Swimming Suits, Hats, Caps, Blouses, Jumpers, Knickerbockers, Raincoats, Capes, and Bath Robes, and Gloves, Shoes, Boots, Slippers, Leggings, Putties Made of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Material.

Claims use since Nov. 25, 1925.

Ser. No. 228,452. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN FOOD PRODUCTS CORPORATION, St. Louis, Mo. Filed Mar. 10, 1926.

SIP-A-LUNCH

Particular description of goods.—Powdered Compound Made from Cocoa, Malt Extract, Sugar, and Milk for Conversion Into a Beverage With the Addition of Water or Milk.

Claims use since Mar. 4, 1926.

Ser. No. 228,479. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MULTIBESTOS COMPANY, Walpole, Mass. Filed Mar. 11, 1926.

BUSDUTY

Particular description of goods.—Brake and Clutch Linings for Automobiles.

Claims use since Jan. 29, 1926.

Ser. No. 228,581. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 12, 1926.

Toxibarn

Particular description of goods.—Metallic Paints.

Claims use since about June 1, 1905.

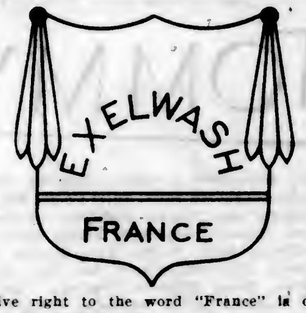
Ser. No. 228,665. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH S. REYNOLDS, Balboa, Calif. Filed Mar. 15, 1926.

NOVNOR

Particular description of goods.—Scrapers for Leveling Earth.

Claims use since Feb. 27, 1926.

Ser. No. 228,700. (CLASS 39. CLOTHING.) HOSTACHY FRERES, Paris, France. Filed Mar. 16, 1926.



Exclusive right to the word "France" is disclaimed apart from the mark shown.

Particular description of goods.—Leather and Cotton Gloves.

Claims use since Feb. 27, 1926.

Ser. No. 228,730. (CLASS 39. CLOTHING.) WETHERBY-KAYSER SHOE CO., Los Angeles, Calif. Filed Mar. 16, 1926.

FASHION LANE

Particular description of goods.—Men's, Women's, and Children's Footwear—Namely, Shoes, Slippers, Mules, and Spats of Leather, Rubber, Fabric, or Combinations Thereof, and Hose.

Claims use since 1923.

Ser. No. 228,758. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWARD KLONIECKI, doing business as Loyal Automatic Window Closer Co., Bayonne, N. J. Filed Mar. 17, 1926.

LOYAL

Particular description of goods.—Automatic Window Closer and Rain and Snow Excluder.

Claims use since Mar. 1, 1926.

Ser. No. 228,780. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE ANONYME RODIER, Paris, France. Filed Mar. 17, 1926.

NOVAKASHA

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same.

Claims use since May 29, 1925.

Ser. No. 228,790. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR W. WOLF, Kansas City, Mo. Filed Mar. 17, 1926.

Motortrade

"The Motor Trade Paper of the Southwest"

The words "Motor Trade Paper of the South West" are disclaimed apart from the mark shown; "Motortrade, The Motor Trade Paper of the Southwest."

Particular description of goods.—Monthly Magazine.

Claims use since November, 1921.

Ser. No. 228,875. (CLASS 39. CLOTHING.) THE STEEL-TEX MANUFACTURING COMPANY, Denver, Colo. Filed Mar. 19, 1926.

Steel Tex

Particular description of goods.—Merchandising Men's Furnishing—Namely, Men's and Boys' Overcoats, Sheep-Lined Coats, Leather Vests, Suits, Dress and Work Shirts, Pants, and Overalls.

Claims use since Jan. 1, 1923.

Ser. No. 228,923. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDLAND BAKERIES COMPANY, Chicago, Ill. Filed Mar. 20, 1926.

MONARCH

Particular description of goods.—Wheat Bread, Rye Bread, Bran Bread, and Gingerbread.

Claims use since Jan. 1, 1926.

Ser. No. 229,004. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EDWARD RISEDORPH, doing business as Risedorph Bottling Co., Kinderhook, N. Y. Filed Mar. 22, 1926.

CLOVER CLUB

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale and Other Flavors.

Claims use since Feb. 1, 1925.

Ser. No. 229,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES WILLIAMS, New York, N. Y. Filed Mar. 22, 1926.

All wording appearing on the drawing with the exception of the words "Square Deal" is disclaimed apart from the other features of the mark shown.

Particular description of goods.—Medicinal Preparation for Internal Use for the Treatment of Colic, Cramps, Shortness of Breath, Indigestion, Stomach Trouble, Gastritis, and as a Blood Clarifier for High Blood Pressure and for External Use for the Treatment of Rheumatism, Asthma, and Swelling.

Claims use since Feb. 15, 1926.

Ser. No. 229,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON BAKING COMPANY, Detroit, Mich. Filed Mar. 23, 1926.

SUNNY RYE

No claim is made to the word "Rye" apart from the mark as shown.

Particular description of goods.—Bread.

Claims use since Feb. 25, 1926.

Ser. No. 229,041. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JARDINE PORTABLE POWER CORPORATION, Detroit, Mich. Filed Mar. 23, 1926.

FYR-FOE

Particular description of goods.—Pump Attachments for Vehicles.

Claims use since about November, 1925.

Ser. No. 229,049. (CLASS 37. PAPER AND STATIONERY.) THE PATERSON PARCHMENT PAPER CO., Passaic, N. J. Filed Mar. 23, 1926.

Patapar

"Patapar."

Particular description of goods.—Paper Employed for Packing Butter, Cheese, Lard, Meat, and Other Similar Food Products.

Claims use since on or about Mar. 10, 1926.

Ser. No. 229,058. (CLASS 37. PAPER AND STATIONERY.) HUGO ALBERT SCHOELLER, doing business as Firma Hugo Albert Schoeller, Duren, Germany. Filed Mar. 23, 1926.

No claim is made to the exclusive use of the word "Schoellers" apart from the mark shown on the drawing.

Particular description of goods.—Drawing Paper.

Claims use since prior to May 11, 1925.

Ser. No. 229,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. M. ALBERSHEIM, Frankfort-on-the-Main, Germany. Filed Mar. 24, 1926.

PERI

Particular description of goods.—Perfumery and Cosmetics—Namely, Skin Cream, Tooth Paste, Hair Wash, Brilliantine, Pomade, Rouge, Cuticle Remover, Nail Powder, Nail Polish, and Nail Whitening.

Claims use since Jan. 1, 1912.

Ser. No. 229,168. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. W. DURKEE, doing business as E. R. Durkee & Co., Elmhurst, N. Y. Filed Mar. 25, 1926.

Particular description of goods.—Birdseed.

Claims use since Jan. 1, 1922.

Ser. No. 229,219. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CONTINENTAL COMPANY, Springfield, Ohio. Filed Mar. 26, 1926.

CULTOR

Particular description of goods.—Tractors.

Claims use since June 1, 1925.

Ser. No. 229,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABST CORPORATION, Milwaukee, Wis. Filed Mar. 27, 1926.

Pabst-ett

Particular description of goods.—Cheese Preparation to be Used as a Sandwich Spread.

Claims use since Mar. 16, 1926.

Ser. No. 229,340. (CLASS 39. CLOTHING.) LAMPL KNITWEAR COMPANY, Cleveland, Ohio. Filed Mar. 29, 1926.

Servistyle

"Servistyle" delineated and inclosed in an elliptical border, as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Sweaters, Sweater Coats, and Knit Suits; Women's Knit Dresses, Caps, Toques, and Knit Neckties.

Claims use since Jan. 1, 1917.

Ser. No. 229,341. (CLASS 39. CLOTHING.) LAMPL KNITWEAR COMPANY, Cleveland, Ohio. Filed Mar. 29, 1926.

Servistyle

The mark comprises the word "Servistyle" delineated as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Sweaters, Sweater Coats, Knit Suits; Women's Knit Dresses, Caps, Toques, and Knit Neckties.

Claims use since Jan. 1, 1917.

Ser. No. 229,353. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEUTRASOL PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 29, 1926.

SERAYON

Particular description of goods.—Material for Coating Textile Fibers, Threads, and Yarns.

Claims use since Mar. 13, 1926.

Ser. No. 229,430. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BUCKEYE SODA PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 31, 1926.

SOLVITE

A refined form of

WASHING SODA

made by a new process

No claim is made to the descriptive words "A Refined Form of Washing Soda Made by a New Process," which form no part of this trade-mark.

Particular description of goods.—Washing Soda.

Claims use since Nov. 1, 1925.

Ser. No. 229,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREEN B. PIERATT, Chicago, Ill. Filed Mar. 31, 1926.

WEE HONEY BITE

Particular description of goods.—Candy.

Claims use since Apr. 30, 1925.

Ser. No. 229,475. (CLASS 37. PAPER AND STATIONERY.) STERLING PRODUCTS COMPANY, Easton, Pa. Filed Mar. 31, 1926.

Analysis STERLINE'S CHEMICALS Certified

No claim is made to the words "Analysis Certified" and "Chemicals."

Particular description of goods.—Filter Paper.

Claims use since May 21, 1925.

Ser. No. 229,481. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VAN WIE SOAP WORKS, Galesville, Wis. Filed Mar. 31, 1926.

Before VAN'S After

Wonder Soap

No claim is made to the words "Soap," "Before," and "After" nor to the representation of the hands apart from the mark shown in the drawing.

Particular description of goods.—Soap.

Claims use since Jan. 4, 1926.

Ser. No. 229,511. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK G. HEDGES, Salida, Colo. Filed Apr. 1, 1926.

The Salida Record

Particular description of goods.—Semiweekly Newspaper.

Claims use since 1899.

Ser. No. 229,526. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROYAL COAL COMPANY, Chicago, Ill. Filed Apr. 1, 1926.

ROYAL MILLERS RCC CREEK COAL Co.

Exclusive use of the words "Millers, Creek, Royal, Coal and Co." is disclaimed except in connection with the design as shown.

Particular description of goods.—Coal.

Claims use since Mar. 3, 1924.

Ser. No. 229,548. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 2, 1926.

Scotwick

The lining in the drawing is for shading only.

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.

Claims use since Jan. 1, 1925.

Ser. No. 229,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-H-O COMPANY, INC., Buffalo, N. Y. Filed Apr. 2, 1926.

BRAN DANDIES

The word "Bran" is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Bran and Bran Flakes.

Claims use since Jan. 18, 1926.

Ser. No. 229,668. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DETROIT STEEL PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 5, 1926.

HEXDEES

Particular description of goods.—Shock Absorbers.

Claims use since on or about Mar. 1, 1926.

Ser. No. 229,677. (CLASS 39. CLOTHING.) L. FRIEDMAN NECKWEAR CORPORATION, Milwaukee, Wis. Filed Apr. 5, 1926.

L. F. CO. MILWAUKEE GREEN LABEL BRAND

No claim is made to the exclusive use of the words "Milwaukee" and "Brand" apart from the mark as shown.

Particular description of goods.—Neckties, Cravats, Scarfs, Mufflers, Belts, Garters, and Knitted Vests.

Claims use since about Dec. 1, 1924.

Ser. No. 229,694. (CLASS 26. MEASURING AND SCENTIFIC APPLIANCES.) OHMER FARE REGISTER COMPANY, Dayton, Ohio. Filed Apr. 5, 1926.

TRUCK AUDITOR

Particular description of goods.—Devices to Ascertain Data or Information Incident to Expenses, Earnings, and Time Involved in Operating Automobiles.

Claims use since 1921.

Ser. No. 229,702. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BERNARD L. POLOSKIE, Allentown, Pa. Filed Apr. 5, 1926.

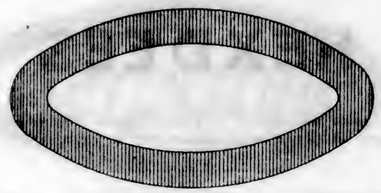
AUTO SEAL-TITE CURTAIN

No claim is made to the use of the words "Auto" and "Curtain" apart from the mark as shown on the drawing.

Particular description of goods.—Automobile Curtains.

Claims use since Mar. 18, 1926.

Ser. No. 229,706. (CLASS 38. PRINTS AND PUBLICATIONS.) THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa. Filed Apr. 5, 1926.

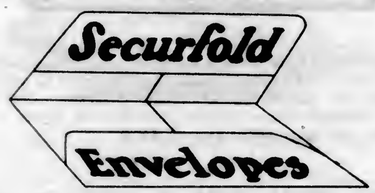


The crosshatching appearing in the drawing is indicative of the color red.

Particular description of goods.—Periodical.

Claims use since Apr. 13, 1912.

Ser. No. 229,707. (CLASS 37. PAPER AND STATIONERY.) SECURFOLD ENVELOPE CORPORATION, New York, N. Y. Filed Apr. 5, 1926.



No claim is made herein to the word "Envelopes" or to the representation of an envelope apart from the mark shown.

Particular description of goods.—Envelopes, Especially Envelopes Made of Strong and Durable Paper.

Claims use since Mar. 1, 1926.

Ser. No. 229,716. (CLASS 38. PRINTS AND PUBLICATIONS.) FELICIAN SISTERS CONVENT AND ACADEMY, Milwaukee, Wis. Filed Apr. 6, 1926.

The word "Promyk" is a Polish word meaning ray.

Particular description of goods.—Monthly Publication.

Claims use since Feb. 1, 1924.

Ser. No. 229,738. (CLASS 32. FURNITURE AND UPHOLSTERY.) INVINCIBLE METAL FURNITURE COMPANY, Manitowoc, Wis. Filed Apr. 6, 1926.

Particular description of goods.—Filing Cabinet.

Claims use since May 1, 1913.

Ser. No. 229,742. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTHUR A. LEVY & CO., New York, N. Y. Filed Apr. 6, 1926.

No claims is made to the exclusive use of the word "Fabrics" apart from the mark as shown.

Particular description of goods.—Cotton Piece Goods.

Claims use since Mar. 17, 1926.

Ser. No. 229,753. (CLASS 39. CLOTHING.) FRANK RUBINOWITZ MFG. CO. INC., New York, N. Y. Filed Apr. 6, 1926.

No claim is made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.

Particular description of goods.—Bath Robes.

Claims use since Feb. 15, 1926.

Ser. No. 229,760. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THERMOID RUBBER COMPANY, Trenton, N. J. Filed Apr. 6, 1926.

Particular description of goods.—Clutch Rings (Being Frictional Parts of Clutch Plates and Being Composed of Asbestos Fabric).

Claims use since Nov. 9, 1925.

Ser. No. 229,766. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WHITEX CORPORATION, New York, N. Y. Filed Apr. 6, 1926.

Particular description of goods.—Bluing for Fabrics.

Claims use since Sept. 1, 1920.

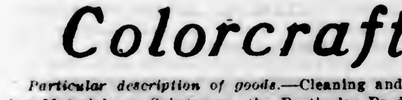
Ser. No. 229,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH DEL RE, Chicago, Ill. Filed Apr. 7, 1926.

The picture shown in the drawing is a facsimile of applicant's portrait. Exclusive use of the words "Sugar Enemy," "For Diabetes Only," "Only Genuine," and "With This Trade-Mark" is disclaimed apart from the mark shown.

Particular description of goods.—Medicinal Preparation for the Treatment of Diabetes.

Claims use since Mar. 23, 1926.

Ser. No. 229,789. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN J. GAGNON, Green Bay, Wis. Filed Apr. 7, 1926.



Particular description of goods.—Cleaning and Polishing Materials or Substances, the Particular Product Being in Crystal or Powdered Form and Being Intended to be Dissolved in Water and Used for the Purpose of Cleansing Various Articles, Such as Cooking Utensils of All Kinds, Vats, Cans, and Utensils in Creameries, Window Glasses, Mirrors, Painted Walls, Marble, Granite, Stone, Linoleum, and the Like and Also for Personal Use.

Claims use since Oct. 1, 1925.

Ser. No. 229,822. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ROY'S TIRE CAVE, INC., Chicago, Ill. Filed Apr. 7, 1926.

Particular description of goods.—Automobile Tires, Tire Tubes, Tire Reliners, Tire Flaps, and Tire-Tube-Patching Outfits.

Claims use since 1921.

Ser. No. 229,848. (CLASS 39. CLOTHING.) BENJ. ALAN COHEN, New York, N. Y. Filed Apr. 8, 1926.

Particular description of goods.—Sport Jackets Made of Any of the Following Materials: Leather, Flannel, Wool, Cotton, Fur, Linen, Rayon, and Silk, for Men, Women, Boys, and Girls; Trousers and Suits for Men and Boys, Knickerbockers, Sheep-Lined Coats, Bath Robes, Beach Robes, and House Robes for Men, Women, Boys, and Girls.

Claims use since January, 1924.

Ser. No. 229,850. (CLASS 32. FURNITURE AND UPHOLSTERY.) BERNARD W. COWEN CORP., New York, N. Y. Filed Apr. 8, 1926.

The word "Stool" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Footstools.

Claims use since Mar. 22, 1926.

Ser. No. 229,851. (CLASS 39. CLOTHING.) CRADDOCK-TERRY CO., Lynchburg, Va. Filed Apr. 8, 1926.

Applicant claims no right to the exclusive use of the surname "Witt's" except in the particular arrangement and association shown in which it appears with the rest of the trade-mark as shown in the drawing.

Particular description of goods.—Leather Shoes.

Claims use since Jan. 1, 1911.

Ser. No. 229,862. (CLASS 39. CLOTHING.) KUNSTADTER BROTHERS, doing business as Formfit Brassiere Co., Chicago, Ill. Filed Apr. 8, 1926.

ZIPIT

Particular description of goods.—Brassières, a Combination Brassière and Girdle Support Joined Together as One Garment.
Claims use since Mar. 1, 1926.

Ser. No. 229,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZEFUME, INC., Chicago, Ill. Filed Apr. 8, 1926.

Zefume

Particular description of goods—Incense.
Claims use since Jan. 2, 1926.

Ser. No. 229,897. (CLASS 38. PRINTS AND PUBLICATIONS.) BROWN & BIGELOW, St. Paul, Minn. Filed Apr. 9, 1926.

Tintogravure

Particular description of goods.—Wall Calendars, Newspapers, Price Lists, and Greeting Cards.
Claims use since on or about Dec. 15, 1912.

Ser. No. 229,912. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RALPH JAY HELLER, doing business as Polly Prim Novelty Company, New York, N. Y. Filed Apr. 9, 1926.

POLLY PRIM

The lining shown on the drawing indicates shading and not any particular color scheme.
Particular description of goods.—Fancy Flowers and Ribbon Novelties.
Claims use since August, 1919.

Ser. No. 229,916. (CLASS 39. CLOTHING.) JULIUS JACOBSON, New York, N. Y. Filed Apr. 9, 1926.

Particular description of goods.—Children's, Women's, and Misses' Dresses.
Claims use since Feb. 15, 1926.

Ser. No. 229,967. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. M. HOLLINGSHEAD CO., Camden, N. J. Filed Apr. 10, 1926.

The trade-mark consists of the word "Whiz" in white letters above a triangular device having rounded corners, the inner part of the triangle being yellow with an outer band of red, the whole appearing on a blue background having a band of red at its upper and lower edges. In actual use the name of the product to which the mark is applied or affixed is shown in the triangle.
Particular description of goods.—Varnish, Stains, Fillers, Lacquers, Enamels, and Paints for Wood, Metals, Rubber, Leather, Imitation Leather, and Fabrics, and Mechanics' Blue.
Claims use since about Apr. 1, 1920.

Ser. No. 229,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT & BROWN, Richmond, Va. Filed Apr. 10, 1926.

RUA-BALM
VB

No claim is made to the word "Balm" apart from the mark shown in the drawing.
Particular description of goods.—Liquid Analgesic.
Claims use since Mar. 14, 1926.

Ser. No. 229,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PELT & BROWN, Richmond, Va. Filed Apr. 10, 1926.

NEO-AGAR
VB

No claim is made to the word "Agar" apart from the mark shown in the drawing.
Particular description of goods.—Emulsion of Mineral Oil, Agar, and Phenolphthalein.
Claims use since Mar. 15, 1926.

Ser. No. 229,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASSIMILIANO VICENZI, New York, N. Y. Filed Apr. 10, 1926.

RIMMURRI

Particular description of goods.—Laxative and Bowel-Corrective Preparations.
Claims use since Jan. 1, 1926.

Ser. No. 230,048. (CLASS 12. CONSTRUCTION MATERIALS.) ROCKLAND & ROCKPORT LIME CORPORATION, Rockland, Me. Filed Apr. 12, 1926.

PILGRIM

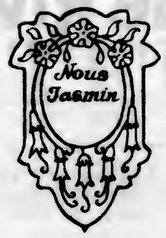
Particular description of goods.—Hydrated Lime.
Claims use since about Mar. 24, 1925.

Ser. No. 230,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. F. STRAYHORN, doing business as W. F. Strayhorn Drug Co., Durham, N. C. Filed Apr. 12, 1926.

Fit-Rid-O

Particular description of goods.—Remedy for Running Fits.
Claims use since Sept. 1, 1925.

Ser. No. 230,076. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BALDWIN PERFUMERY CO., Chicago, Ill. Filed Apr. 13, 1926.



No claim is made to the word "Jasmin" apart from the mark as shown.
Particular description of goods.—Perfume, Toilet Water, and Sachet Powder.
Claims use since Mar. 8, 1926.

Ser. No. 230,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHILDREN'S CLINICAL LABORATORY, Hamilton, Ohio. Filed Apr. 13, 1926.

Dr. Vaughan's Childent
For Children's Teeth

No claim is made to "Dr. Vaughan's" except as associated with the word "Childent." Applicant disclaims exclusive right to the use of the words "For Children's Teeth" apart from the mark shown.
Particular description of goods.—Dentifrice.
Claims use since Feb. 1, 1926.

Ser. No. 230,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOMI CANNING CO., Edinburg, Ind. Filed Apr. 13, 1926.

NAOMI

Particular description of goods.—Canned Vegetables.
Claims use since January, 1905.

Ser. No. 230,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOMI CANNING CO., Edinburg, Ind. Filed Apr. 13, 1926.

Mardale

Particular description of goods.—Canned Vegetables.
Claims use since January, 1922.

Ser. No. 230,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOMI CANNING CO., Edinburg, Ind. Filed Apr. 13, 1926.

Blue River

Particular description of goods.—Canned Corn.
Claims use since January, 1922.

Ser. No. 230,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOMI CANNING CO., Edinburg, Ind. Filed Apr. 13, 1926.

WI-MA

Particular description of goods.—Canned Vegetables.
Claims use since January, 1906.

Ser. No. 230,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWABACHER BROS. & CO., INC., Seattle, Wash. Filed Apr. 13, 1926.

GOLD SHIELD

Particular description of goods.—Food-Flavoring Extracts—Namely, Vanilla and Lemon; Spices—Namely, Black Pepper, White Pepper, Ginger, Cayenne, Nutmeg, Cloves, Marjoram, Mace, Thyme, Cinnamon, Sage, Savory, Paprika, Mustard, Allspice; Tea and Coffee.
Claims use since Oct. 1, 1906, on tea and since Jan. 1, 1895, on coffee, extracts, and spices.

Ser. No. 230,153. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Apr. 14, 1926.

A. M. C.

Particular description of goods.—Men's Negligee Shirts.
Claims use since Mar. 20, 1926.

Ser. No. 230,156. (CLASS 39. CLOTHING.) BETHLEHEM TEXTILES COMPANY, Bethlehem, Pa. Filed Apr. 14, 1926.

Cloisfer

Particular description of goods.—Underwear of Knitted and Textile Fabric.
Claims use since July 1, 1924.

Ser. No. 230,168. (CLASS 38. PRINTS AND PUBLICATIONS.) W. N. FREEMAN, doing business as Commercial Office Service, Washington, D. C. Filed Apr. 14, 1926.

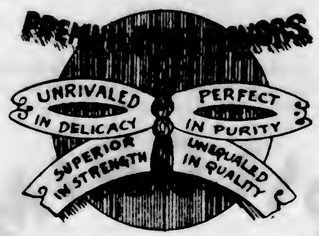
The Advertising Analyst

Particular description of goods.—House Organ (a Monthly Publication).
Claims use since Apr. 1, 1926.

Ser. No. 230,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOBBING ASSOCIATION—FARMERS EDUCATIONAL AND COOPERATIVE UNION OF AMERICA—KANSAS BRANCH, Kansas City, Mo. Filed Apr. 14, 1926.

Particular description of goods.—Butter.
Claims use since Dec. 22, 1925.

Ser. No. 230,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCMONAGLE & ROGERS, Middletown, N. Y. Filed Apr. 14, 1926. Under 10-year proviso.



Particular description of goods.—Food-Flavoring Extracts.
Claims use since January, 1883.

Ser. No. 230,216. (CLASS 39. CLOTHING.) WILLIAM A. BADGER & CO., INC., New York, N. Y. Filed Apr. 15, 1926.

FLOSMORE

Particular description of goods.—Women's, Misses', and Children's Coats and Suits.
Claims use since Apr. 2, 1926.

Ser. No. 230,230. (CLASS 39. CLOTHING.) DIXIE UNDERWEAR COMPANY INC., Montgomery, Ala. Filed Apr. 15, 1926.

Clover Dale

Particular description of goods.—Men's Underwear of Textile Fabric.
Claims use since Jan. 1, 1926.

Ser. No. 230,252. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NATIONAL CLOAK & SUIT CO., New York, N. Y. Filed Apr. 15, 1926.

NATIONAL ARTS

The picture shown on the drawing is not a portrait of a living individual other than of the applicant or of any person, but is a fanciful creation of the designer of the trade-mark.
Particular description of goods.—Ready-Mixed Paints.
Claims use since Aug. 1, 1925.

Ser. No. 230,275. (CLASS 39. CLOTHING.) BOOTT MILLS, Lowell, Mass. Filed Apr. 16, 1926.

Du Bon

Particular description of goods.—Capes, Men's and Women's Coats; Children's Play Coats, Hats, and Capes; Bath Robes, Misses' and Ladies' Suits and Skirts.
Claims use since Mar. 1, 1926.

Ser. No. 230,277. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BROWN-LINDSAY PAINT CO., Chicago, Ill. Filed Apr. 16, 1926.

IRONTUF

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, and Enamels.
Claims use since Mar. 15, 1926.

Ser. No. 230,278. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BROWN-LINDSAY PAINT CO., Chicago, Ill. Filed Apr. 16, 1926.

LITEUP

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, and Enamels.
Claims use since Mar. 15, 1926.

Ser. No. 230,279. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CARROZZA, Philadelphia, Pa. Filed Apr. 16, 1926.

Vitone

Particular description of goods.—Face Cream.
Claims use since Feb. 10, 1926.

Ser. No. 230,293. (CLASS 38. PRINTS AND PUBLICATIONS.) S. FRANKLIN & CO., Chicago, Ill. Filed Apr. 16, 1926.

The drawing is lined for the purpose of shading only and not to indicate color.
Particular description of goods.—Facsimile Oil Paintings.
Claims use since Mar. 26, 1926.

Ser. No. 230,298. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) IDEAL BEVERAGE COMPANY, Chicago, Ill. Filed Apr. 16, 1926.

Gold Coast

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Apr. 1, 1925.

Ser. No. 230,305. (CLASS 12. CONSTRUCTION MATERIALS.) NORTH AMERICAN CEMENT CORPORATION, Albany, N. Y. Filed Apr. 16, 1926.

PORTLAND ACME CEMENT

No claim is made to the words "Portland" and "Cement" apart from the mark shown.
Particular description of goods.—Cement.
Claims use since 1924.

Ser. No. 230,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL CANDY CO., Philadelphia, Pa. Filed Apr. 16, 1926.

KING ROYLE

Particular description of goods.—Candy.
Claims use since Apr. 10, 1926.

Ser. No. 230,333. (CLASS 5. ADHESIVES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Apr. 17, 1926.

KODAK

Particular description of goods.—Paste and Glue.
Claims use since prior to Oct. 1, 1914, as applied to paste, and as applied to glue since Nov. 1, 1922.

Ser. No. 230,358. (CLASS 5. ADHESIVES.) ROBESON PROCESS COMPANY, New York, N. Y. Filed Apr. 17, 1926.

BRIQUETTINE

Particular description of goods.—Adhesive Employed as a Binding Agent in the Manufacture of Briquetted Coal and for Making Ores, Blocks, Bricks, Cores, and the Like.
Claims use since Nov. 19, 1925.

Ser. No. 230,374. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN HARD RUBBER COMPANY, New York and Hempstead, N. Y. Filed Apr. 19, 1926.

Particular description of goods.—Steering Wheels for Automobiles.
Claims use since Jan. 27, 1926.

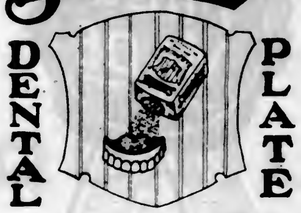
Ser. No. 230,378. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROY J. BOLLMAN, doing business as Lakeside Laboratories, Chicago, Ill. Filed Apr. 19, 1926.

SIX O'SIX

Particular description of goods.—Preparation for Cleaning and Polishing Automobiles.
Claims use since about Feb. 15, 1926.

Ser. No. 230,388. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SYLVAN M. EDISON, doing business as the Edison Laboratories, Chicago, Ill. Filed Apr. 19, 1926.

Sanident



DENTAL PLATE CLEANSER

All wording except the word "Sanident" and the representation of the goods appearing on the drawing is disclaimed.
Particular description of goods.—Dental Plate Cleanser.
Claims use since Jan. 10, 1926.

Ser. No. 230,390. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE F. W. FITCH COMPANY, Des Moines, Iowa. Filed Apr. 19, 1926.

The mark consists of a fanciful design.
Particular description of goods.—Hair Tonic, Shampoo, Cleansing Creams, and Compacts.
Claims use since Apr. 14, 1925.

Ser. No. 230,399. (CLASS 39. CLOTHING.) LARNED, CARTER AND COMPANY, Detroit, Mich. Filed Apr. 19, 1926.

HEADLIGHT

Particular description of goods.—Workingmen's Clothing—Namely, Workingmen's Shirts, and Gloves of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Apr. 1, 1926.

Ser. No. 230,410. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PANHANDLE REFINING COMPANY, Wichita Falls, Tex. Filed Apr. 19, 1926.

PANOTINE

Particular description of goods.—Paint Drier.
Claims use since Feb. 15, 1926.

Ser. No. 230,431. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I. Filed Apr. 19, 1926.

SUN-LAC

No claim is made to the exclusive right to the use of the word "Lac" apart from the mark shown. The mark consists of the word "Sun-Lac."
Particular description of goods.—Lacquers.
Claims use since Apr. 7, 1926.

Ser. No. 230,439. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) B. B. B. PIPE CO. INC., New York, N. Y. Filed Apr. 20, 1926.

OWN MAKE

Particular description of goods.—Tobacco Pipes, Cigar and Cigarette Tubes and Holders.
Claims use since January, 1900.

Ser. No. 230,443. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DANIELS & SCHUCK, INC., East Orange, N. J. Filed Apr. 20, 1926.

DANSCHUCK

Particular description of goods.—Box-End-Making Machines and Wood Trimming, Grooving, and Strip-Inserting Machines.
Claims use since about Oct. 30, 1924.

Ser. No. 230,444. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Apr. 20, 1926.

new-way

Particular description of goods.—Neckwear—Namely, Men's Scarfs, Neckties, and Cravats.
Claims use since Jan. 1, 1926.

Ser. No. 230,453. (CLASS 31. FILTERS AND REFRIGERATORS.) THE ICE-O-MATIC COMPANY, St. Louis, Mo. Filed Apr. 20, 1926.

Ice-O-Matic

Particular description of goods.—Refrigerating Machines.
Claims use since October, 1925.

Ser. No. 230,456. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MALTOP, INC., Buffalo, N. Y. Filed Apr. 20, 1926.

ALMALTA

Particular description of goods.—Dry Malt Extract.
Claims use since Apr. 1, 1926.

Ser. No. 230,482. (CLASS 2. RECEPTACLES.) HILLSIDE COTTON MILLS, La Grange, Ga. Filed Apr. 21, 1926.

Particular description of goods.—Canvas Baskets.
Claims use since Feb. 18, 1926.

Ser. No. 230,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE R. M. HOLLINGSHEAD CO., Camden, N. J. Filed Apr. 21, 1926.

Particular description of goods.—Insecticide Adapted to be Used as a Sprayer for Killing Flies, Gnats, Mosquitoes, Moths, Roaches, Water Bugs, Bedbugs, Ants, Lice, and Fleas.
Claims use since Apr. 19, 1926.

Ser. No. 230,514. (CLASS 39. CLOTHING.) THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed Apr. 22, 1926.

No claim is made to the words "Mill Made" except as used in connection with the trade-mark shown herein.
Particular description of goods.—Men's, Boys', and Children's Garments, as Follows: Shirts, Overalls, Jackets, Pants, Suits, Coats, Vests, Jumpers, Overall Union Suits, Coveralls, and Play Suits.
Claims use since on or about Jan. 1, 1926.

Ser. No. 230,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFIN GROCERY CO., doing business as Griffin Candy Company, Muskogee, Okla. Filed Apr. 22, 1926.

Hotsy Totsy

Particular description of goods.—Candy Bar.
Claims use since Apr. 9, 1926.

Ser. No. 230,546. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES HEWITT & SONS CO., Des Moines, Iowa. Filed Apr. 22, 1926.

IOWA MAID

No claim is made to the exclusive use of the geographical term "Iowa" apart from the mark as shown in the drawing.
Particular description of goods.—Canned Fruit—Namely Pears; Canned Vegetables—Namely, Peas and Tomatoes; and Coffee.
Claims use since Jan. 18, 1926, on fruits and vegetables, and on coffee since October, 1916.

Ser. No. 230,552. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LANDIS MACHINE COMPANY, Waynesboro, Pa. Filed Apr. 22, 1926.

LANCO

Particular description of goods.—Die Heads.
Claims use since May 25, 1925.

Ser. No. 230,553. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LANDIS MACHINE COMPANY, Waynesboro, Pa. Filed Apr. 22, 1926.

LANDMATIC

Particular description of goods.—Die Heads.
Claims use since Jan. 1, 1925.

Ser. No. 230,568. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RIDENOUR-BAKER MERCANTILE COMPANY, also doing business as Ridenour-Baker Merc. Co., Oklahoma City, Okla. Filed Apr. 22, 1926.

QUAIL

Particular description of goods.—Grape Juice.
Claims use since 1915.

Ser. No. 230,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WATERLOO CANNING ASSOCIATION, Waterloo, Wis. Filed Apr. 22, 1926.

GREEN POD

Particular description of goods.—Early-Variety Peas.
Claims use since June, 1910.

Ser. No. 230,631. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KISMET BEVERAGE CO., Brooklyn, N. Y. Filed Apr. 23, 1926.

"Kismet."
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Cream Soda, Sarsaparilla, Ginger Ale, and Various Fruit Flavors.
Claims use since Jan. 1, 1924.

Ser. No. 230,680. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "PARFISE," INC., doing business as Grenoville, New York, N. Y. Filed Apr. 24, 1926.

BYZANCE

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Talcum Powder, Sachets, Bath Salts, Brilliantine, Lotion for the Skin and Hair, and Dentifrices.
Claims use since November, 1925.

Ser. No. 230,720. (CLASS 15. OILS AND GREASES.) CITIES SERVICE OIL COMPANY, Cleveland, Ohio. Filed Apr. 26, 1926.

ONCE-ALWAYS

Particular description of goods.—Gasoline, Lubricating Oils, and Greases.
Claims use since early in 1924.

Ser. No. 230,729. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EASTON CANNING CORPORATION, Easton, Md. Filed Apr. 26, 1926.

Pride of Hillsboro

Applicant disclaims any right to the exclusive use of the word "Hillsboro" except in the precise relation and association in which the same appears. The mark consists merely of the words "Pride of Hillsboro."
Particular description of goods.—Canned Vegetables.
Claims use since on or about Jan. 1, 1906.

Ser. No. 230,739. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLLYWOOD COSMETIC COMPANY, Los Angeles, Calif. Filed Apr. 26, 1926.

Her Grace

Particular description of goods.—Toilet Preparations, Astringent Cream, Bleaching Cream, Cleansing Cream, Foundation Cream, Make-Up Cream, Massage Cream, Theatrical Cream, Tissue Cream, Face Powder, Talcum Powder, Theatrical Powder, Toilet Powder, Hair Tonic, and Hair Lotion.
Claims use since about April, 1924.

Ser. No. 230,746. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES V. LAGO, doing business as Almacenes de Lago, New York, N. Y. Filed Apr. 26, 1926.

OGAL

The drawing is lined to indicate the color red.
Particular description of goods.—Hair Tonic for the Treatment of the Scalp.
Claims use since March, 1926.

Ser. No. 230,756. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) METALLIC UTILITIES MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 26, 1926.

KRIMPLOK

Particular description of goods.—Clamping Devices Such as are Used for Tightening and Securing Metallic Straps Around Objects That are to be Bound and United.
Claims use since Apr. 8, 1926.

Ser. No. 230,769. (CLASS 31. FILTERS AND REFRIGERATORS.) SIEVERS & ERDMAN CO., Detroit, Mich. Filed Apr. 26, 1926.

ICE-O-MATIC

Particular description of goods.—Refrigerators.
Claims use since Dec. 18, 1925.

Ser. No. 230,807. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Apr. 27, 1926.

"The yellow can with the black band"

Particular description of goods.—Insecticides, Deodorants, and Disinfectants.
Claims use since Feb. 27, 1926.

Ser. No. 230,818. (CLASS 45. BEVERAGES, NONALCOHOLIC.) COCA-COLA BOTTLING CORPORATION OF WATERBURY, Waterbury, Conn. Filed Apr. 28, 1926.

MATTATUCK

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Mar. 1, 1926.

Ser. No. 230,851. (CLASS 2. RECEPTACLES.) THE SEINSHEIMER PAPER COMPANY, Cincinnati, Ohio, and New Orleans, La. Filed Apr. 28, 1926.

MOTH-TITE

Particular description of goods.—Mothproof Bags.
Claims use since Feb. 14, 1926.

Ser. No. 230,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VANITY IMPORT CO., INC., New York, N. Y. Filed Apr. 28, 1926.

TRÈS BIEN

Particular description of goods.—Perfumes, Toilet Lotions, Bath Salts, Hairdressings, Talcum Powders, and Rouges.
Claims use since June 6, 1925.

Ser. No. 230,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GREENFIELD'S SONS, New York and Brooklyn, N. Y. Filed Apr. 29, 1926.

No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Candies and Chocolates.
Claims use since January, 1855.

Ser. No. 230,915. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEE E. GRIBBENS, doing business as Gribbeps Chemical Products Co., Chicago, Ill. Filed Apr. 30, 1926.

Grib-O-Nize

Particular description of goods.—Polish for Use on Furniture, Pianos, Desks, Automobiles, and Other Enameled Surfaces.
Claims use since Apr. 15, 1926.

Ser. No. 230,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARENCE M. HAYES, doing business as Carrot Products Co., Detroit, Mich. Filed Apr. 30, 1926.

CARROTA

Particular description of goods.—Ice Cream and Brittles (Crackers).
Claims use since Apr. 1, 1925.

Ser. No. 230,924. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE KEMPSMITH MANUFACTURING CO., West Allis, Wis. Filed Apr. 30, 1926. Under 10-year proviso.

KEMPSMITH

Particular description of goods.—Pinin Milling Machines, Universal Milling Machines, Vertical Milling Machines, Hand Milling Machines, Lincoln-Type Milling Machines, Rotary Milling Machines, Milling-Machine Attachments, Milling-Machine Tools and Fixtures, Milling Cutters, Special Metal-Working Machines Employing Rotary Cutters, Arbors, and Metal-Working-Machine Tools.
Claims use since 1888.

Ser. No. 230,942. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARVLO MILLS, INC., New York, N. Y. Filed Apr. 30, 1926.

TIK TAK PRINTS

Applicant disclaims the use of the word "Prints" apart from the mark shown.
Particular description of goods.—Cotton, Silk, Artificial-Silk, Wool, Mixture of Wool and Silk, Mixture of Cotton and Silk Piece Goods.
Claims use since Apr. 19, 1926.

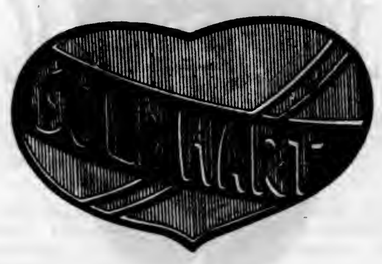
Ser. No. 230,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW-O-SAPINE CHEMICAL COMPANY, INC., West New York, N. J. Filed Apr. 30, 1926.

The words "Trade-Mark, Chemical Company, West New York, New Jersey" are disclaimed apart from the mark shown.
Particular description of goods.—Chemicals Used in the Manufacture of Soap.
Claims use since Apr. 24, 1926.

Ser. No. 230,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW-O-SAPINE CHEMICAL COMPANY, INC., West New York, N. J. Filed Apr. 30, 1926.

The words "Chemical Co., Trade-Mark; West New York, N. J." are disclaimed apart from the mark as shown.
Particular description of goods.—Chemicals Used in the Manufacture of Soap.
Claims use since Apr. 24, 1926.

Ser. No. 230,994. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARTLOVE CANDY COMPANY, Ashland, Ky. Filed May 1, 1926.



The drawing is lined to indicate the color red.
Particular description of goods.—Candy.
Claims use since Jan. 1, 1926.

Ser. No. 230,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARTLOVE CANDY COMPANY, Ashland, Ky. Filed May 1, 1926.

HONEYBEE

The drawing is lined to indicate the color red.
Particular description of goods.—Candy.
Claims use since Jan. 1, 1926.

Ser. No. 230,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARTLOVE CANDY COMPANY, Ashland, Ky. Filed May 1, 1926.

The drawing is lined to indicate the color red. Applicant makes no claim to the exclusive use of the word "Bar" except as used in connection with the other features of the mark.

Particular description of goods.—Candy.

Claims use since Jan. 1, 1926.

Ser. No. 231,001. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. OLIVE VIOLA JEDLICKA, King City, Mo. Filed May 1, 1926.

The picture shown in the drawing is a facsimile of applicant's portrait.

Particular description of goods.—Herb Teas, including Blood Tea, Stomach Tea, Lung Tea, and Tea for Women.

Claims use since Apr. 5, 1926.

Ser. No. 231,025. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILSON BROTHERS, Chicago, Ill. Filed May 1, 1926.

The Wilbro

Particular description of goods.—Handkerchiefs.

Claims use since January, 1926.

Ser. No. 231,034. (CLASS 39. CLOTHING.) NATH'L FISHER & CO., New York, N. Y. Filed May 3, 1926.

Dolly JUNIOR

Particular description of goods.—Shoes and Slippers Made Wholly or in Part of Leather.

Claims use since Dec. 27, 1924.

Ser. No. 231,075. (CLASS 39. CLOTHING.) STEWART & PEARSON, New York, N. Y. Filed May 3, 1926.

BULLY BIG

Particular description of goods.—Clothing—Namely, Overalls, Work Shirts, Work Pants, Jumpers, and Overall Union Suits.

Claims use since [redacted], 1926.

Ser. No. 231,076. (CLASS 39. CLOTHING.) STEWART & PEARSON, New York, N. Y. Filed May 3, 1926.

Bully Boy

Particular description of goods.—Clothing—Namely, Overalls, Work Shirts, Work Pants, Jumpers, and Overall Union Suits.

Claims use since Feb. 15, 1926.

Ser. No. 231,078. (CLASS 39. CLOTHING.) STEWART & PEARSON, New York, N. Y. Filed May 3, 1926.

The boy's head is a fanciful picture.

Particular description of goods.—Clothing—Namely, Overalls, Work Shirts, Work Pants, Jumpers, and Overall Union Suits.

Claims use since Mar. 25, 1926.

Ser. No. 231,093. (CLASS 39. CLOTHING.) COLONIAL TEXTILE CO., INC., New York, N. Y. Filed May 4, 1926.

ANPHLD

Particular description of goods.—Waistband Lining for Men's Trousers.

Claims use since Apr. 1, 1926.

Ser. No. 231,129. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) W. O. & M. W. TALCOTT, INC., Providence, R. I. Filed May 4, 1926. Under 10-year proviso.

TALCOTT

Particular description of goods.—Belt Hooks or Fasteners.

Claims use since 1878.

Ser. No. 231,135. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENNETT-HUBBARD CANDY COMPANY, INC., Chattanooga, Tenn. Filed May 5, 1926.

W.D.O.D.

Particular description of goods.—Candy.

Claims use since Apr. 1, 1926.

Ser. No. 231,138. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAMBRIDGE TEXTILE CO., INC., New York, N. Y. Filed May 5, 1926.

WHITELAND

Particular description of goods.—Cotton Sheets, Bedspreads, and Sheetings.

Claims use since Apr. 1, 1926.

Ser. No. 231,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAMBRIDGE TEXTILE CO., INC., New York, N. Y. Filed May 5, 1926.

SLEEPLAND

Particular description of goods.—Cotton Sheets, Bedspreads, and Sheeting.

Claims use since Apr. 1, 1926.

Ser. No. 231,151. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH H. KRAUS, Brooklyn, N. Y. Filed May 5, 1926.

LIDNITE

Particular description of goods.—Toilet Seats.

Claims use since Apr. 27, 1926.

Ser. No. 231,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. LYNEN & CO., INC., New York, N. Y. Filed May 5, 1926.

IRISH TURKEY

Particular description of goods.—Canned Corned Beef.

Claims use since Mar. 16, 1926.

Ser. No. 231,163. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PITTSBURGH STEEL COMPANY, Pittsburgh, Pa. Filed May 5, 1926.

Chictite

Particular description of goods.—Wire Fencing.

Claims use since Feb. 12, 1926.

Ser. No. 231,175. (CLASS 39. CLOTHING.) M. B. VENHOFF COMPANY, INC., Chicago, Ill. Filed May 5, 1926.

STYLE-N-WEARE

Particular description of goods.—Ladies' and Men's Wearing Apparel, being that of Suits and Overcoats.

Claims use since Jan. 1, 1926.

Ser. No. 231,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHILDREN'S CLINICAL LABORATORY, Hamilton, Ohio. Filed May 6, 1926.

Applicant disclaims the exclusive right to the use of the words "For Baby Teeth" apart from the mark shown.

Particular description of goods.—Dentifrice.

Claims use since Oct. 1, 1925.

Ser. No. 231,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE O. W. DEAN CO., INC., Benton Harbor, Mich. Filed May 6, 1926.

Free Breath

Particular description of goods.—Preparation for Use in the Treatment of Asthma, Bronchitis, Hay Fever, and Kindred Diseases.
Claims use since 1913.

Ser. No. 231,209. (CLASS 39. CLOTHING.) PECKMAN-FOREMAN, INC., New York, N. Y. Filed May 6, 1926.

Lido

Particular description of goods.—Bathing Suits for Men, Women, Misses, and Children, Both One Piece and Two Piece; Juvenile Bathing Suits, Bathing Shirts, Trunks, Support Shirts, and Bathing Trousers Made of Flannel.
Claims use since January, 1926.

Ser. No. 231,218. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TRICOLATOR COMPANY, INC., New York, N. Y. Filed May 6, 1926.

Thermo

Particular description of goods.—Coffee Makers and Coffeepots.
Claims use since Aug. 21, 1925.

Ser. No. 231,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WISHNICK-TUMPEER CHEMICAL CO., Chicago, Ill. Filed May 6, 1926.

Rub-Flux

Particular description of goods.—Rubber Softeners.
Claims use since Apr. 5, 1926.

Ser. No. 231,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WISHNICK-TUMPEER CHEMICAL CO., Chicago, Ill. Filed May 6, 1926.

Rub-Jack

Particular description of goods.—Rubber Softeners.
Claims use since Apr. 5, 1926.

Ser. No. 231,233. (CLASS 39. CLOTHING.) E. H. BEHRENS & CO., INC., New York, N. Y. Filed May 7, 1926.

GLOW-SHEEN CREPE

No claim is made herein to the exclusive use of the word "Crepe."
Particular description of goods.—Dresses.
Claims use since about May 1, 1926.

Ser. No. 231,235. (CLASS 39. CLOTHING.) BEST & CO., INC., New York, N. Y. Filed May 7, 1926.

SHIRTMAKER FROCK

No claim is made to the word "Frock" apart from the mark shown in the drawing.
Particular description of goods.—Women's and Children's Dresses.
Claims use since Apr. 23, 1926.

Ser. No. 231,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. W. CASSEBEER, INC., Flushing, N. Y. Filed May 7, 1926.

DOT

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, Sachets, Lip Sticks, and Eyebrow Pencils.
Claims use since Apr. 29, 1926.

Ser. No. 231,261. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JARRETT JACKSON, Roby, Tex. Filed May 7, 1926.

TOAD

Particular description of goods.—Ointment for Use in the Treatment of Rheumatism and Piles.
Claims use since Apr. 6, 1926.

Ser. No. 231,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM M. KNIGHT, Minneapolis, Minn. Filed May 7, 1926.

PHEN-OCIN

Particular description of goods.—Medicinal Preparation for Internal Use in Cases of Headache, Neuralgia, and Pains Centering on the Trigeminal Nerve.
Claims use since Nov. 1, 1924.

Ser. No. 231,266. (CLASS 39. CLOTHING.) EDWARD KRIEGER & CO., INC., New York, N. Y. Filed May 7, 1926.

Ekcomoor

Particular description of goods.—Ladies' Outer Coats.
Claims use since Jan. 12, 1926.

Ser. No. 231,272. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINERAL LABORATORIES INC., Chicago, Ill. Filed May 7, 1926.

Min-Thera

Particular description of goods.—Bath Mineral Having Medicinal and Flesh-Reducing Properties.
Claims use since Mar. 1, 1926.

Ser. No. 231,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "PARFUMS EDOUARDO, A CORPORATION", New York, N. Y. Filed May 7, 1926.

LAKME

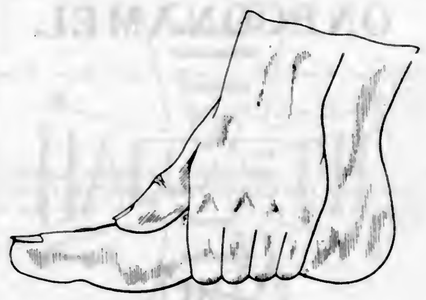
Particular description of goods.—Perfumes, Toilet Powder, and Toilet Water.
Claims use since about Nov. 18, 1925.

Ser. No. 231,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHINOTAS CHEMICAL CO., New York, N. Y. Filed May 7, 1926.

CROW CHASER

Particular description of goods.—Preparation as a Protection Against Crows.
Claims use since Apr. 26, 1926.

Ser. No. 231,298. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE ARROW-SMITH MANUFACTURING COMPANY, New York, N. Y. Filed May 8, 1926.



Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since 1904.

Ser. No. 231,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED DENTAL PRODUCTS, INC., New York, N. Y. Filed May 8, 1926.

PEARL-MINT

Particular description of goods.—Cream Paste for Natural Teeth.
Claims use since May 14, 1925.

Ser. No. 231,312. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DRAPER CORPORATION, Portland, Me., and Hopedale, Mass. Filed May 8, 1926.

MIDGET

Particular description of goods.—Loom Feelers.
Claims use since Apr. 1, 1926.

Ser. No. 231,320. (CLASS 39. CLOTHING.) L. GREIF & BRO. INCORPORATED, Baltimore, Md. Filed May 8, 1926.

CRAGMOOR

Particular description of goods.—Topcoats, Overcoats, Coats, Vests, and Trousers for Men, Youths, and Boys.
Claims use since Apr. 1, 1926.

Ser. No. 231,339. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAGON PAINT & VARNISH CORPORATION, Long Island City, N. Y. Filed May 8, 1926.

ONECONAMEL

Particular description of goods.—Ready-Mixed Paint Enamel.
Claims use since Apr. 20, 1926.

Ser. No. 231,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REICHMAN & FAUST, New York, N. Y. Filed May 8, 1926.

May Flowers

MAIFLEURS

Particular description of goods—Perfume, Toilet Water, Face Powder, Talcum Powder, Rouge, Brilliantine, Cold Cream, Cleansing Cream, Vanishing Cream, Lemon Cream, Tissue Cream, Nail Polish, Lotion for the Skin and Hair.
Claims use since Feb. 1, 1926.

Ser. No. 231,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. ROGERS, Los Angeles, Calif. Filed May 8, 1926.

Novex

Particular description of goods.—Hair Remover.
Claims use since Mar. 1, 1925.

Ser. No. 231,363. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. BURNS, Brooklyn, N. Y. Filed May 10, 1926.

BARKELENE

Particular description of goods.—Compound to Promote Muscular Activity.
Claims use since Apr. 8, 1926.

Ser. No. 231,369. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed May 10, 1926.

No claim is made to the exclusive use of the word "Worsted" appearing on the drawing separate and apart from the other features of the mark.
Particular description of goods.—Coats, Vests, Trousers (for Men and Children).
Claims use since Jan. 16, 1926.

Ser. No. 231,372. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FOOS GAS ENGINE COMPANY, Springfield, Ohio. Filed May 10, 1926. Under 10-year proviso.

Foos

Particular description of goods.—Internal-Combustion Engines.
Claims use since 1888.

Ser. No. 231,386. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed May 10, 1926.

PETERKIN

Particular description of goods.—Children's Coats, Dresses, Rompers, Aprons, Play Togs, Bath Robes, Sweaters, and Sacks.
Claims use since Apr. 14, 1926.

Ser. No. 231,388. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed May 10, 1926.

WENDY

Particular description of goods.—Children's Coats, Dresses, Rompers, Aprons, Play Togs, Bath Robes, Sweaters, and Sacks.
Claims use since Mar. 9, 1926.

Ser. No. 231,426. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. H. BEHRENS & CO., INC., New York, N. Y. Filed May 11, 1926.

CHAL-A-NAY

Particular description of goods.—Piece Goods of Cotton, of a Mixture of Cotton and Silk, and of a Mixture of Cotton and Artificial Silk.
Claims use since May 7, 1926.

Ser. No. 231,429. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DOUGLAS & GREEN INC., New York, N. Y. Filed May 11, 1926.

"IDEAL"

Particular description of goods.—Handkerchiefs.
Claims use since about Sept. 2, 1921.

Ser. No. 231,466. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) FRANK L. WEGER, doing business as Weger Brothers, Philadelphia, Pa. Filed May 11, 1926.

SES-KI

Trade-mark consists in the hyphenated word "Ses-Ki."
Particular description of goods.—Beverages Made from Malt and Hops and Having not More Than the Legal Alcoholic Content.
Claims use since Apr. 20, 1926.

Ser. No. 231,480. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WM. A. HALL MANUFACTURING COMPANY, St. Louis, Mo. Filed May 12, 1926.

Particular description of goods.—Surgical Elastic Bandages.
Claims use since about August, 1924.

Ser. No. 231,498. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE ANONYME RODIER, Paris, France. Filed May 12, 1926.

CREPELLIVER

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk, and Mixtures of the Same.
Claims use since Mar. 31, 1926.

TRADE-MARK REGISTRATIONS GRANTED

JUNE 15, 1926.

[ACT OF FEBRUARY 20, 1905.]

214,072. SAFETY RAZORS. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed June 16, 1925. Serial No. 215,839. PUBLISHED APRIL 6, 1926.

214,073. PLAIN AND SELF-RISING FLOUR. MAYFLOWER MILLS, Fort Wayne, Ind.
Filed June 26, 1925. Serial No. 216,467. PUBLISHED APRIL 6, 1926.

214,074. INTERNAL-COMBUSTION ENGINES. CUMMINS ENGINE COMPANY, Columbus, Ind.
Filed Apr. 10, 1925. Serial No. 212,483. PUBLISHED APRIL 6, 1926.

214,075. STOVE POLISH. GEORGE W. GRAHAM, New York, N. Y., assignor to Graham Products Laboratories, Incorporated, New York, N. Y.
Filed May 18, 1925. Serial No. 214,477. PUBLISHED MARCH 30, 1926.

214,076. WASHING AND CLEANING COMPOUND IN CRYSTAL FORM, WITH INCIDENTAL WATER-SOFTENING PROPERTIES. WHISTLE BOTTLING COMPANY, Johnsonburg, Pa.
Filed June 11, 1925. Serial No. 215,663. PUBLISHED MARCH 16, 1926.

214,077. BREAD. THE WARDROP CO., INC., New York, N. Y.
Filed January 31, 1925. Serial No. 208,937. PUBLISHED APRIL 6, 1926.

214,078. TOILET PAPER, SANITARY TOWELING, CRÊPE PAPER, PAPER NAPKINS, AND TABLECLOTHS. INTERLAKE TISSUE MILLS CO. LTD., Merriton, Ontario, Canada.
Filed September 12, 1923. Serial No. 185,707. PUBLISHED JUNE 10, 1924.

214,079. SANDPAPER. NATIONAL SANDING MACHINE COMPANY, Chicago, Ill.
Filed January 26, 1925. Serial No. 208,670. PUBLISHED MARCH 30, 1926.

214,080. BREAD. THE WARDROP CO., INC., New York, N. Y.
Filed January 31, 1925. Serial No. 208,938. PUBLISHED APRIL 6, 1926.

214,081. KNITTED CLOTHING AND SUBSTITUTE EMPLOYING RIB STITCH, SOMETIMES CALLED CUFF STITCH, MATERIAL, SUCH PRODUCTS BEING BATHING SUITS, SWEATERS, SKIRTS, SWEATER COATS, JERSEYS, STOCKINGS, AND GOLF HOSE. SPORTCRAFT KNITTING AND MANUFACTURING CO., Seattle, Wash.
Filed February 10, 1925. Serial No. 209,370. PUBLISHED APRIL 6, 1926.

214,082. POWDERED OR GRANULAR COMPOSITION TO BE USED IN PRODUCING DESSERTS OR LIKE EDIBLE CONFECTIONS. DAVID SWAN, doing business as Velvo Mfg. Co., Los Angeles, Calif.
Filed July 7, 1925. Serial No. 216,998. PUBLISHED MARCH 30, 1926.

214,083. MISSES' AND WOMEN'S DRESSES, COATS, AND SUITS. MIGNON DRESS CO. INC., New York, N. Y.
Filed August 14, 1925. Serial No. 218,861. PUBLISHED APRIL 6, 1926.

214,084. FABRIC TRANSMISSION AND BRAKE LININGS AND FACINGS, PACKINGS, GASKETS, AND CLUTCH FACINGS. UNITED STATES ASBESTOS COMPANY, Manheim, Pa.
Filed August 28, 1925. Serial No. 219,505. PUBLISHED FEBRUARY 23, 1926.

214,085. PUBLICATION ISSUED AT IRREGULAR INTERVALS. FRANCO-BELGIQUE TOURS CO., LTD., New York, N. Y.
Filed July 14, 1925. Serial No. 217,341. PUBLISHED APRIL 6, 1926.

214,086. BLOTTING PAPER. STANDARD PAPER MANUFACTURING COMPANY, Richmond, Va.
Filed October 2, 1925. Serial No. 221,142. PUBLISHED APRIL 6, 1926.

214,087. STENCIL SHEETS. SHINJIRO HORII, Tokyo, Japan.
Filed November 20, 1925. Serial No. 223,581. PUBLISHED APRIL 6, 1926.

214,088. PATCHES FOR INNER TUBES OF PNEUMATIC TIRES. JAMES J. KEATING, doing business as Speed-A-Way Manufacturing Co., Chillicothe, Ohio.
Filed October 12, 1925. Serial No. 221,618; PUBLISHED APRIL 6, 1926.

214,089. ICE-CREAM BRICKS. JOSEPH L. JOHNS, Manhattan, Kans.
Filed October 22, 1925. Serial No. 222,123. PUBLISHED DECEMBER 22, 1925.

214,090. BELTING MADE OF LEATHER, FABRIC, AND RUBBER. ADWEAR PROCESS SOLE LEATHER MACHINE CO., Philadelphia, Pa.
Filed October 24, 1925. Serial No. 222,207. PUBLISHED APRIL 6, 1926.

214,091. JEWEL-CLEANING SETS COMPRISING A TRAY, SOAP, BASIN, SPRING HOLDER, SAWDUST SHAKER, RINSING SOLUTION, BRUSH, WHISK, AND CHAMOIS SKIN. ELIZABETH L. RIANHARD, doing business as Glo-jewl Company, Baltimore, Md.
Filed October 24, 1925. Serial No. 222,280. PUBLISHED MARCH 30, 1926.

214,092. SOAP. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1925. Serial No. 222,314. PUBLISHED MARCH 23, 1926.

214,093. CARPET-CLEANSING PREPARATION. TRUTH COMPANY, Oakland, Calif.
Filed October 26, 1925. Serial No. 222,354. PUBLISHED MARCH 23, 1926.

214,094. DREDGING SLEEVES. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed November 13, 1925. Serial No. 223,227. PUBLISHED APRIL 6, 1926.

214,095. RICE. LOUISIANA STATE RICE MILLING COMPANY, INC., New Orleans, La.
Filed November 16, 1925. Serial No. 223,395. PUBLISHED APRIL 6, 1926.

214,096. CIGARS, CHEROOTS, LITTLE CIGARS, CIGARETTES, LEAF TOBACCO, SMOKING AND CHEWING TOBACCO, AND SNUFF. WILLIAM H. RENDALL, doing business as Longbottom Pipe Company, New York, N. Y.
Filed November 19, 1925. Serial No. 223,548. PUBLISHED MARCH 16, 1926.

214,097. BRANDIES, LIQUORS, PUNCHES, ALCOHOLIC ESSENCES, AND EXTRACTS FOR MAKING ALCOHOLIC BEVERAGES. EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed November 23, 1925. Serial No. 223,694. PUBLISHED APRIL 6, 1926.

214,098. DRESS SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed November 25, 1925. Serial No. 223,836. PUBLISHED APRIL 6, 1926.

214,099. CERTAIN TEXTILE FABRICS ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed November 27, 1925. Serial No. 223,937. PUBLISHED APRIL 6, 1926.

214,100. CERTAIN NAMED STATIONERY AND OTHER SUPPLIES. ELBE FILE & BINDER COMPANY, INC., New York, N. Y.
Filed December 11, 1925. Serial No. 224,555. PUBLISHED APRIL 6, 1926.

214,101. SHEETS, PILLOWCASES, AND BEDSPREADS. DEFENDER MFG. COMPANY INC., Long Island City, N. Y.
Filed December 16, 1925. Serial No. 224,746. PUBLISHED APRIL 6, 1926.

214,102. CERTAIN NAMED FABRICS. HEBERLEIN & CO., A. G., Wattwil, Switzerland.
Filed November 17, 1923. Serial No. 188,478. PUBLISHED APRIL 6, 1926.

214,103. LIGHT-TRANSMITTING LENSES AND PLATES FOR USE IN LAMPS FOR VEHICLES. MONOGRAM LENS CORPORATION, New York, N. Y.
Filed December 24, 1923. Serial No. 190,084. PUBLISHED APRIL 6, 1926.

214,104. GAS HOT-WATER HEATERS AND GAS HOT-WATER-STORAGE SYSTEMS. PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa.
Filed September 2, 1924. Serial No. 202,142. PUBLISHED MARCH 2, 1926.

214,105. PATCHES. HUGH HENRY THEIS, doing business as White Lion Rubber Works, Taylor, Tex.
Filed October 11, 1924. Serial No. 203,761. PUBLISHED APRIL 6, 1926.

214,106. CIGARS, CIGARETTES, AND SMOKING, CHEWING, AND LEAF TOBACCO. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England.
Filed February 25, 1925. Serial No. 210,143. PUBLISHED APRIL 6, 1926.

214,107. TOBACCO PRODUCTS, VIZ, CIGARS, CIGARETTES, AND SMOKING, CHEWING, AND LEAF TOBACCO. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England.
Filed February 25, 1925. Serial No. 210,144. PUBLISHED APRIL 6, 1926.

214,108. HANDKERCHIEF AND LACE PIECE GOODS. M. DOOB, SONS & COMPANY, New York, N. Y.
Filed March 9, 1925. Serial No. 210,718. PUBLISHED APRIL 6, 1926.

214,109. DESKS, DESKS HAVING MOVABLE SUPPORTS FOR TYPEWRITERS AND SIMILAR DEVICES, DRAWERS, TOPS, SLIDES, AND MOVABLE SUPPORTS OF DESKS. THE CLEMETSEN COMPANY, Chicago, Ill.
Filed March 19, 1925. Serial No. 211,258. PUBLISHED FEBRUARY 23, 1926.

214,110. MONTHLY PUBLICATION. THE DAYTON COMPANY, Minneapolis, Minn.
Filed February 5, 1926. Serial No. 226,887. PUBLISHED MARCH 16, 1926.

214,111. CERTAIN NAMED FOOD PRODUCTS. FOLEY BROS. GROCERY COMPANY, St. Paul, Minn.
Filed August 17, 1923. Serial No. 184,606. PUBLISHED MARCH 30, 1926.

214,112. SOAP. MORRIS COHN, doing business as Crystal Chemical Co., Newark, N. J.
Filed February 2, 1926. Serial No. 226,764. PUBLISHED MARCH 23, 1926.

214,113. CANNED VEGETABLES—NAMELY, BEANS, SAUERKRAUT, CORN, PEAS, PUMPKIN, TOMATOES, HOMINY; CANNED FRUITS—NAMELY, APRICOTS, PEACHES, AND PINEAPPLES; TOMATO CATCHUP, CANNED SALMON, COFFEE, AND CANNED PORK AND BEANS. INDIANAPOLIS FANCY GROCERY CO., Indianapolis, Ind.
Filed January 30, 1926. Serial No. 226,656. PUBLISHED MARCH 30, 1926.

214,114. MONTHLY MAGAZINE. THE DANGER TRAIL, INC., New York, N. Y.
Filed February 9, 1926. Serial No. 227,063. PUBLISHED MARCH 16, 1926.

214,115. SOAP. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed February 5, 1926. Serial No. 226,915. PUBLISHED MARCH 30, 1926.

214,116. CLEANSER GENERALLY USED IN SOLID FORM FOR CLEANING RECEPTACLES AND CONTAINERS. DIVERSEY MANUFACTURING COMPANY, Chicago, Ill.
Filed February 5, 1926. Serial No. 226,889. PUBLISHED MARCH 23, 1926.

214,117. CASTILE SOAP. GEO. BORGFELDT & CO., New York, N. Y.
Filed February 11, 1926. Serial No. 227,161. PUBLISHED MARCH 23, 1926.

214,118. WASHING POWDER. NO-CHAP COMPANY, Cisco, Tex.
Filed February 13, 1926. Serial No. 227,277. PUBLISHED MARCH 23, 1926.

214,119. VEHICLE STANDS. SCHEID ENGINEERING CORPORATION, New York, N. Y.
Filed February 3, 1925. Serial No. 209,058. PUBLISHED APRIL 6, 1926.

214,120. HOSIERY FOR WOMEN. PENNDELPHIA, INC., Philadelphia, Pa.
Filed February 23, 1926. Serial No. 227,680 PUBLISHED APRIL 6, 1926.

214,121. SOAP. THE PIONEER PRODUCTS COMPANY, Dayton, Ohio, assignor, by mesne assignments, to I. R. Blackburn and J. A. Blackburn, doing business under the firm name of The Pioneer Products Company of Dayton, Ohio.
Filed October 5, 1923. Serial No. 186,611. PUBLISHED DECEMBER 9, 1924.

214,122. CRÊPE PAPER. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed December 24, 1923. Serial No. 190,044. PUBLISHED OCTOBER 6, 1925.

214,123. LAYING MASH WITH BUTTERMILK, RICE BRAN, RICE POLISH, AND RICE. EL CAMPO RICE MILLING CO., El Campo, Tex.
Filed December 23, 1924. Serial No. 207,124. PUBLISHED MARCH 30, 1926.

214,124. CHEESE. J. S. HOFFMAN COMPANY, Chicago, Ill.
Filed February 5, 1925. Serial No. 209,125. PUBLISHED FEBRUARY 23, 1926.

214,125. WHEAT FLOUR. RUSSELL-MILLER MILLING CO., Minneapolis, Minn.
Filed April 13, 1925. Serial No. 212,643. PUBLISHED MARCH 30, 1926.

214,126. WHEAT FLOUR. ANCHOR MILLING & GROCERY COMPANY, doing business as Anchor Milling Company, Albuquerque, N. Mex.
Filed May 20, 1925. Serial No. 214,577. PUBLISHED MARCH 30, 1926.

214,127. HOOF PADS. DRYDEN RUBBER COMPANY, Chicago, Ill.
Filed June 22, 1925. Serial No. 216,156. PUBLISHED MARCH 30, 1926.

214,128. SPECIAL GLUE FOR PASTEBOARD. COMPAGNIE NATIONALE DE MATIÈRES COLORANTES ET MANUFACTURES DE PRODUITS CHIMIQUES DU NORD RÉUNIES, ETABLISSEMENTS, KUHLMANN, Paris, France.
Filed June 26, 1925. Serial No. 216,456. PUBLISHED MARCH 30, 1926.

214,129. A NOM DE PLUME FOR A PARTICULAR COLUMN OF NEWS IN THE MORNING TELEGRAPH, A NEWSPAPER. MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed August 29, 1925. Serial No. 219,545. PUBLISHED APRIL 6, 1926.

214,130. FRESH CANTALOUPES, PEACHES, AND PLUMS. J. G. BLICKENSTAFF & SONS, Modesto, Calif.
Filed September 16, 1925. Serial No. 220,272. PUBLISHED MARCH 30, 1926.

214,131. SELF-RISING AND PLAIN WHEAT FLOUR. SHENANDOAH MILLING COMPANY, INCORPORATED, Shenandoah, Va.
Filed September 18, 1925. Serial No. 220,425. PUBLISHED MARCH 30, 1926.

214,132. PARTICULAR COLUMN OF NEWS IN A NEWSPAPER. MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed October 24, 1925. Serial No. 222,271. PUBLISHED MARCH 23, 1926.

214,133. STOCK FEED. SWIFT AND COMPANY, Chicago, Ill.
Filed November 20, 1925. Serial No. 223,609. PUBLISHED MARCH 30, 1926.

214,134. CHEESE. BENJAMIN J. RABIN, doing business as Robin Packing Co., New York, N. Y.
Filed December 7, 1925. Serial No. 224,360. PUBLISHED MARCH 30, 1926.

214,135. BREAD AND PASTRY WHEAT FLOUR. LEE & CADY, doing business as Bay City Grocer Co., Bay City, Mich.
Filed December 16, 1925. Serial No. 224,772. PUBLISHED MARCH 30, 1926.

214,136. FRUIT CAKE. VORIES BAKING COMPANY, New Orleans, La.
Filed December 29, 1925. Serial No. 225,291. PUBLISHED MARCH 30, 1926.

214,137. FOLDERS, PAMPHLETS, AND BOOKS. EKROTH LABORATORIES, INC., New York, N. Y.
Filed January 11, 1926. Serial No. 225,778. PUBLISHED APRIL 6, 1926.

214,138. POULTRY FEED. THE F. C. AYRES MERCANTILE COMPANY, Denver, Colo.
Filed January 14, 1926. Serial No. 225,908. PUBLISHED MARCH 30, 1926.

214,139. PUBLICATION ISSUED MONTHLY. THE PENNZOIL CO., INC., Los Angeles, Calif.
Filed January 18, 1926. Serial No. 226,075. PUBLISHED APRIL 6, 1926.

214,140. BREAD-IMPROVING COMPOUND. C. HERENDEEN & SON, Chicago, Ill.
Filed January 23, 1926. Serial No. 226,287. PUBLISHED MARCH 30, 1926.

214,141. MONTHLY MAGAZINE. THE RONALD PRESS COMPANY, New York, N. Y.
Filed January 29, 1926. Serial No. 226,603. PUBLISHED MARCH 23, 1926.

214,142. MONTHLY PUBLICATION. BIEDERMANN BROTHERS, INC., Chicago, Ill.
Filed January 30, 1926. Serial No. 226,627. PUBLISHED MARCH 23, 1926.

214,143. TITLE OF MAGAZINE PUBLISHED MONTHLY. LEILA CHEVALIER, New York, N. Y.
Filed February 5, 1926. Serial No. 226,883. PUBLISHED APRIL 6, 1926.

214,144. SECTION OF A PERIODICAL MAGAZINE. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed February 9, 1926. Serial No. 227,074. PUBLISHED APRIL 6, 1926.

214,145. TITLE FOR NEWSPAPER ITEMS. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Filed February 10, 1926. Serial No. 227,137. PUBLISHED MARCH 23, 1926.

214,146. PERIODICALS. THE GEORGE W. BLABON CO., Nicetown, Philadelphia, Pa.
Filed February 11, 1926. Serial No. 227,160. PUBLISHED APRIL 6, 1926.

214,147. WEEKLY PUBLICATION. HARRY BURNS, Los Angeles, Calif.
Filed February 16, 1926. Serial No. 227,340. PUBLISHED APRIL 6, 1926.

214,148. MONTHLY PRINTED PERIODICAL OR TRADE PAPER. LYMAN PUBLISHING CORPORATION, New York, N. Y.
Filed February 16, 1926. Serial No. 227,360. PUBLISHED APRIL 6, 1926.

214,149. MONTHLY MAGAZINE. THE MERIT PUBLISHING COMPANY, Cleveland, Ohio.
Filed February 20, 1926. Serial No. 227,590. PUBLISHED APRIL 6, 1926.

214,150. NOM DE PLUME FOR PARTICULAR COLUMN OF NEWS IN A NEWSPAPER. MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed February 20, 1926. Serial No. 227,593. PUBLISHED APRIL 6, 1926.

214,151. WEEKLY PUBLICATIONS. REVIEW AND HERALD PUB. ASSN., Takoma Park, D. C.
Filed February 20, 1926. Serial No. 227,605. PUBLISHED APRIL 6, 1926.

214,152. WEEKLY PUBLICATIONS. REVIEW AND HERALD PUB. ASSN., Takoma Park, D. C.
Filed February 20, 1926. Serial No. 227,606. PUBLISHED APRIL 6, 1926.

214,153. BITTERS. CARONI PRODUCTS COMPANY, INC., Brooklyn, N. Y.
Filed January 27, 1926. Serial No. 226,473. PUBLISHED MARCH 16, 1926.

214,154. MONTHLY MAGAZINE. THE MERIT PUBLISHING COMPANY, Cleveland, Ohio.
Filed February 23, 1926. Serial No. 227,663. PUBLISHED APRIL 6, 1926.

214,155. YEARLY PUBLICATION. Dr. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed February 24, 1926. Serial No. 227,726. PUBLISHED APRIL 6, 1926.

214,156. YEARLY PUBLICATION. Dr. PETER FAHRNEY & SONS CO., Chicago, Ill.
Filed February 24, 1926. Serial No. 227,729. PUBLISHED APRIL 6, 1926.

214,157. SERIES OF CARTOONS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed February 26, 1926. Serial No. 227,823. PUBLISHED APRIL 6, 1926.

214,158. MAGAZINE PUBLISHED MONTHLY. EARNSHAW SALES COMPANY, Chicago, Ill.
Filed February 26, 1926. Serial No. 227,830. PUBLISHED APRIL 6, 1926.

214,159. WEEKLY COLUMN OF COMMENTS. HENRY D. MILDEBERGER, New York, N. Y.
Filed March 1, 1926. Serial No. 227,955. PUBLISHED APRIL 6, 1926.

214,160. CHEMICAL AGRICULTURAL FERTILIZERS. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed January 4, 1926. Serial No. 225,461. PUBLISHED APRIL 6, 1926.

214,161. SOAP. WEAVER AND SMITH, Lawrence, Kans.
Filed December 31, 1925. Serial No. 225,386. PUBLISHED APRIL 6, 1926.

214,162. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS. SUPREME SHIRT COMPANY, Philadelphia, Pa.
Filed December 30, 1925. Serial No. 225,324. PUBLISHED APRIL 6, 1926.

214,163. PRINTING PAPER. SEAMAN PAPER COMPANY, Chicago, Ill.
Filed December 24, 1925. Serial No. 225,142. PUBLISHED APRIL 6, 1926.

214,164. ITALIAN HANDMADE PRINTING PAPER. JAPAN PAPER COMPANY, New York, N. Y.
Filed December 22, 1925. Serial No. 225,018. PUBLISHED APRIL 6, 1926.

214,165. PURSES AND POCKETBOOKS. BUXTON, INCORPORATED, Springfield, Mass.
Filed February 3, 1926. Serial No. 226,802. PUBLISHED APRIL 6, 1926.

214,166. WOVEN FABRICS OF SILK, ARTIFICIAL SILK, COTTON, AND WOOL AND COMBINATIONS THEREOF IN THE PIECE. A. W. BAYLIS CO., New York, N. Y.
Filed February 3, 1926. Serial No. 226,798. PUBLISHED APRIL 6, 1926.

214,167. CORN MEAL. THE WALLACE MILLING COMPANY, Huntingburg, Ind.
Filed February 2, 1926. Serial No. 226,795. PUBLISHED APRIL 6, 1926.

214,168. HOSIERY. CLIFFORD I. BOUGHER, doing business as Norritex Hosiery Company, Norristown, Pa.
Filed February 2, 1926. Serial No. 226,759. PUBLISHED APRIL 6, 1926.

214,169. HOSIERY. M. SAMUELS & CO., INC., Baltimore, Md.
Filed February 1, 1926. Serial No. 226,741. PUBLISHED MARCH 30, 1926.

214,170. WHISKY. R. E. WATHEN & COMPANY, Louisville, Ky.
Filed January 30, 1926. Serial No. 226,701. PUBLISHED APRIL 6, 1926.

214,171. TOILET PAPER. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis.
Filed January 30, 1926. Serial No. 226,653. PUBLISHED APRIL 6, 1926.

214,172. HAND BAGS. COHN & ROSENBERGER, INC., New York, N. Y.
Filed January 28, 1926. Serial No. 226,540. PUBLISHED APRIL 6, 1926.

214,173. BEDS. SOUTHERN SPRING BED COMPANY, Atlanta, Ga.
Filed January 25, 1926. Serial No. 226,380. PUBLISHED MARCH 9, 1926.

214,174. BLADES FOR ROAD GRADERS. THE GALION IRON WORKS & MFG. CO., Galion, Ohio.
Filed January 23, 1926. Serial No. 226,285. PUBLISHED APRIL 6, 1926.

214,175. OVERALLS, OVERALL JACKETS AND PANTS. ECKERLING BROTHERS, Chicago, Ill.
Filed January 20, 1926. Serial No. 226,134. PUBLISHED APRIL 6, 1926.

214,176. WRAPPING PAPER. CALIFORNIA-OREGON PAPER MILLS, Los Angeles, Calif.
Filed January 19, 1926. Serial No. 226,095. PUBLISHED APRIL 6, 1926.

214,177. SOAP PRODUCT PREPARED FOR WET CLEANING. THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed January 16, 1926. Serial No. 226,011. PUBLISHED APRIL 6, 1926.

214,178. WARDROBE TRUNKS, DRESS TRUNKS, CABIN OR STEAMER TRUNKS; SHOE, SHIRTWAIST, AND HAT TRUNKS; HAT TRUNKS, SHOE OR BOOT TRUNKS, AND HAND LUGGAGE, SUCH AS VISITING CASES, PORTABLE WARDROBE TRUNKS, AND TAXI TRUNKS. THE OSHKOSH TRUNK COMPANY, Oshkosh, Wis. Filed January 8, 1926. Serial No. 225,673. PUBLISHED MARCH 23, 1926.

214,179. OVERALLS. FRANCIS W. BOURGOIN, doing business as Tops-All Overall Co., Webster Groves, Mo.
Filed February 24, 1926. Serial No. 227,711. PUBLISHED APRIL 6, 1926.

214,180. CHIFFON IN THE PIECE. STERN & STERN TEXTILE IMPORTERS, INC., New York, N. Y.
Filed February 24, 1926. Serial No. 227,756. PUBLISHED APRIL 6, 1926.

214,181. CLOTH COMPRISED ENTIRELY OF COTTON, COTTON AND RAYON, OR COTTON AND SILK MIXTURES. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed February 24, 1926. Serial No. 227,762. PUBLISHED APRIL 6, 1926.

214,182. CLOTH COMPRISED ENTIRELY OF COTTON, COTTON AND RAYON, OR COTTON AND SILK MIXTURES. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed February 24, 1926. Serial No. 227,763. PUBLISHED APRIL 6, 1926.

214,183. CLOTH COMPRISED ENTIRELY OF COTTON, COTTON AND RAYON, OR COTTON AND SILK MIXTURES. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed February 24, 1926. Serial No. 227,764. PUBLISHED APRIL 6, 1926.

214,184. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.
Filed February 26, 1926. Serial No. 227,822. PUBLISHED APRIL 6, 1926.

214,185. CERTAIN GLASS LETTERS AND CHARACTERS AND GLASS LETTER PLATES AND CHARACTER PLATES. FLEXLUME CORPORATION, Tonawanda, N. Y.
Filed February 27, 1926. Serial No. 227,885. PUBLISHED APRIL 6, 1926.

214,186. POTTERY, EARTHENWARE, CHINAWARE, CROCKERY, AND PORCELAINS. THE C. C. THOMPSON POTTERY COMPANY, East Liverpool, Ohio.
Filed February 27, 1926. Serial No. 227,924. PUBLISHED APRIL 6, 1926.

214,187. GLASS GLOBES AND REFLECTORS. THE MILLER COMPANY, Meriden, Conn.
Filed March 1, 1926. Serial No. 227,958. PUBLISHED APRIL 6, 1926.

214,188. PLAIN AND ORNAMENTAL CAKES. SAMUEL BERMAN, New York, N. Y.
Filed January 27, 1926. Serial No. 226,467. PUBLISHED APRIL 6, 1926.

214,189. PURSES AND POCKETBOOKS. BUXTON, INCORPORATED, Springfield, Mass.
Filed February 3, 1926. Serial No. 226,803. PUBLISHED APRIL 6, 1926.

214,190. PAPER NAPKINS. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis.
Filed February 3, 1926. Serial No. 226,813. PUBLISHED APRIL 6, 1926.

214,191. BREAD. BORCK & STEVENS, Bridgeport, Conn.
Filed February 4, 1926. Serial No. 226,841. PUBLISHED APRIL 6, 1926.

214,192. DRESSING FOR MACHINERY BELTS. CHARLES H. POST, New York, N. Y.
Filed February 6, 1926. Serial No. 226,971. PUBLISHED APRIL 6, 1926.

214,193. CHILDREN'S PLAY SUITS. LAURENCE M. GARSON, Pittsburgh, Pa.
Filed February 9, 1926. Serial No. 227,068. PUBLISHED APRIL 6, 1926.

214,194. CAKES. GORDON BAKING COMPANY, Detroit, Mich.
Filed February 9, 1926. Serial No. 227,070. PUBLISHED APRIL 6, 1926.

214,195. HAND BAGS. L. J. & M. LEFKOWITZ, INC., New York, N. Y.
Filed February 10, 1926. Serial No. 227,125. PUBLISHED APRIL 6, 1926.

214,196. SELF-RISING FLOUR AND WHEAT FLOUR. THE ANSTED & BURK CO., Springfield, Ohio.
Filed February 11, 1926. Serial No. 227,158. PUBLISHED APRIL 6, 1926.

214,197. INTERNAL-COMBUSTION ENGINES. JOHN MINOR KROYER, Los Angeles, Calif.
Filed February 11, 1926. Serial No. 227,180. PUBLISHED APRIL 6, 1926.

214,198. EGGS. PACIFIC EGG PRODUCERS COOPERATIVE, INC., New York, N. Y.
Filed February 17, 1926. Serial No. 227,412. PUBLISHED APRIL 6, 1926.

214,199. SPORT SHIRTS. THE ENRO SHIRT CO., INC., Louisville, Ky.
Filed April 1, 1925. Serial No. 211,991. PUBLISHED JUNE 23, 1925.

214,200. INKSTANDS, BLOTTERS, SEALS, LETTER OPENERS, PENHOLDERS, CALENDARS OF METAL FOR DESKS, CORNERS FOR WRITING PADS, LETTER RACKS, STAMP BOXES, BLOTTING BOOKS, NOTE BLOCKS, PEN TRAYS, AND LETTER CLIPS. ERHARD & SÖHNE A. G., Gmund, Germany.
Filed August 10, 1925. Serial No. 218,616. PUBLISHED APRIL 6, 1926.

214,201. ABRASIVE PAPERS AND ABRASIVE CLOTHS. AMERICAN GLUE COMPANY, Boston, Mass.
Filed August 20, 1925. Serial No. 219,102. PUBLISHED MARCH 16, 1926.

214,202. TOILET SOAPS AND SHAVING CREAMS. CHERAMY, INC., New York, N. Y.
Filed September 19, 1925. Serial No. 220,447. PUBLISHED MARCH 30, 1926.

214,203. OIL SOAP, LIQUID SOAP, SOAP POWDER, SCOURING POWDER, SWEEPING COMPOUNDS, AND METAL POLISH. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed October 15, 1925. Serial No. 221,754. PUBLISHED MARCH 16, 1926.

214,204. RECORD EQUIPMENT IN LOOSE-LEAF FORM. THE BROOKS COMPANY, Cleveland, Ohio.
Filed October 19, 1925. Serial No. 221,943. PUBLISHED MARCH 9, 1926.

214,205. MOPS, DUST MOPS, COUNTER MOPS, AND AUTOMOBILE DUST CLOTHS. KLENZALL MANUFACTURING COMPANY, Atlanta, Ga., and Orange, Calif., also doing business as California Cordage Co., Orange, Calif.
Filed November 5, 1925. Serial No. 222,847. PUBLISHED APRIL 6, 1926.

214,206. LEAF TOBACCO. TOBACCO REHANDLING CO., LTD., INC., and also doing business as W. T. Grant Co., Louisville, Ky.
Filed November 9, 1925. Serial No. 223,069. PUBLISHED MARCH 2, 1926.

214,207. STENCIL SHEETS. SHINJIRO HORII, Tokyo, Japan.
Filed November 20, 1925. Serial No. 223,582. PUBLISHED APRIL 6, 1926.

214,208. TRACING CLOTH. THE WINTERBOTTOM BOOK CLOTH COMPANY LIMITED, Manchester, England.
Filed November 30, 1925. Serial No. 224,064. PUBLISHED MARCH 30, 1926.

214,209. WEEKLY PUBLICATION. THE UNITED PRINTING COMPANY, Youngstown, Ohio.
Filed December 12, 1925. Serial No. 224,635. PUBLISHED MARCH 23, 1926.

214,210. PAMPHLETS, FOLDERS, BOOKLETS, BOOKS, MAGAZINES, LABELS, PRINTED FORMS, AND PRINTED ADVERTISING MATTER. JEAN DIEUX, Paris, France.
Filed December 16, 1925. Serial No. 224,749. PUBLISHED APRIL 6, 1926.

214,211. MONTHLY PUBLICATION. TROPIC PUBLISHING COMPANY, Miami, Fla.
Filed December 29, 1925. Serial No. 225,290. PUBLISHED MARCH 23, 1926.

214,212. CHOCOLATE SAUCE. LOUISE E. PATERSON, doing business as Sat-Ten Products Company, Wellesley, Mass.
Filed January 27, 1925. Serial No. 208,719. PUBLISHED MARCH 30, 1926.

214,213. PICTURE POST CARDS. LOUIS HURWITZ, Philadelphia, Pa.
Filed January 14, 1925. Serial No. 208,100. PUBLISHED MARCH 23, 1926.

214,214. CLEANING PREPARATIONS FOR KITCHEN, HOUSEHOLD, AND LAUNDRY USES. LUSTRE CHEMICAL CORPORATION, Rochester, N. Y.
Filed January 13, 1925. Serial No. 208,058. PUBLISHED MARCH 16, 1926.

214,215. SOAP. F. M. BALLARD, doing business as Simplex Soap Mnfg. Company, Santa Barbara, Calif.
Filed November 29, 1924. Serial No. 205,984. PUBLISHED MARCH 31, 1925.

214,216. DIRECTORIES. RAILROAD BUYERS & SELLERS SERVICE BUREAU, Chicago, Ill.
Filed December 22, 1923. Serial No. 190,032. PUBLISHED MARCH 23, 1926.

214,217. MAGAZINES ISSUED MONTHLY. THE NEW EVE PUBLISHING COMPANY, INCORPORATED, New York, N. Y.
Filed December 31, 1925. Serial No. 225,376. PUBLISHED MARCH 30, 1926.

214,218. ANNUAL PUBLICATION. EXPERIMENTER PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 2, 1926. Serial No. 225,404. PUBLISHED MARCH 23, 1926.

214,219. MONTHLY PUBLICATION. ROBERT G. WALKER, St. Louis, Mo.
Filed January 4, 1926. Serial No. 225,497. PUBLISHED MARCH 23, 1926.

214,220. BROOMS, PAINTERS' BRUSHES, HOUSEHOLD SWEEPING BRUSHES, TOOTHBRUSHES, NAIL BRUSHES, HAIRBRUSHES, SCRUB BRUSHES, AND CLOTHES BRUSHES, WHISK BROOMS, FEATHER DUSTERS, AND MOPS. SCHWABACHER BROS. & CO. INC., Seattle, Wash.
Filed January 9, 1926. Serial No. 225,734. PUBLISHED APRIL 6, 1926.

214,221. BOND PAPER. MIDWEST PAPER COMPANY, Chicago, Ill.
Filed January 18, 1926. Serial No. 226,070. PUBLISHED MARCH 30, 1926.

214,222. POWDER PUFFS. MAURICE LEVY, New York, N. Y.
Filed January 19, 1926. Serial No. 226,106. PUBLISHED APRIL 6, 1926.

214,223. PRINTING PAPERS. THE CLEVELAND PAPER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 25, 1926. Serial No. 226,332. PUBLISHED MARCH 30, 1926.

214,224. SACRAMENTAL WINES. JOS. DUDENHOEFER COMPANY, Milwaukee, Wis.
Filed January 25, 1926. Serial No. 226,345. PUBLISHED APRIL 6, 1926.

214,225. MALT SIRUP FOR BEVERAGE PURPOSES. NEW ORLEANS PACKING CO., INC., New Orleans, La.
Filed January 30, 1926. Serial No. 226,671. PUBLISHED APRIL 6, 1926.

214,226. MALT SIRUP FOR BEVERAGE PURPOSES. NEW ORLEANS PACKING CO., INC., New Orleans, La.
Filed January 30, 1926. Serial No. 226,672. PUBLISHED APRIL 6, 1926.

214,227. MALT SIRUP FOR BEVERAGE PURPOSES. NEW ORLEANS PACKING CO., INC., New Orleans, La.
Filed January 30, 1926. Serial No. 226,674. PUBLISHED APRIL 6, 1926.

214,228. ANNUAL PUBLICATIONS. THE WHITE COMPANY, Cleveland, Ohio.
Filed February 4, 1926. Serial No. 226,872. PUBLISHED APRIL 6, 1926.

214,229. MALT SIRUP FOR BEVERAGE PURPOSES. NEW ORLEANS PACKING CO., INC., New Orleans, La.
Filed January 30, 1926. Serial No. 226,673. PUBLISHED APRIL 6, 1926.

214,230. RECORD EQUIPMENT IN LOOSE-LEAF FORM. THE BROOKS COMPANY, Cleveland, Ohio.
Filed February 6, 1926. Serial No. 226,939. PUBLISHED MARCH 23, 1926.

214,231. RADIO PUBLICATION ISSUED MONTHLY. THE DAYTON FAN AND MOTOR COMPANY, Dayton, Ohio.
Filed February 6, 1926. Serial No. 226,948. PUBLISHED MARCH 30, 1926.

214,232. DESK RACK AND DOCUMENT FILE. EVERETT W. HOUSE, doing business as Improved Form & Record Co., New York, N. Y.
Filed February 6, 1926. Serial No. 226,959. PUBLISHED MARCH 30, 1926.

214,233. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE AND OTHER FLAVORS. GUSTAV GUTFREUND, doing business as Des Moines Bottling Works, Des Moines, Iowa.
Filed February 8, 1926. Serial No. 227,014. PUBLISHED APRIL 6, 1926.

214,234. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND COMPOUNDS AND CONCENTRATES FOR MAKING SUCH BEVERAGES. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed February 8, 1926. Serial No. 227,000. PUBLISHED APRIL 6, 1926.

214,235. SHIPPING CONTAINERS. BOXBOARD PRODUCTS COMPANY, Manayunk, Philadelphia, Pa.
Filed February 11, 1926. Serial No. 227,162. PUBLISHED APRIL 6, 1926.

214,236. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. WILLIAM LAWS, Jr., New Smyrna and Orange City, Fla.
Filed February 11, 1926. Serial No. 227,183. PUBLISHED APRIL 6, 1926.

214,237. PARAFFIN-TREATED PARCHMENT BOND PAPER. THE HENLE WAX PAPER MFG. CO. INC., New York, N. Y.
Filed February 15, 1926. Serial No. 227,308. PUBLISHED MARCH 30, 1926.

214,238. BIMONTHLY PUBLICATION OF FINANCIAL INFORMATION AND OFFERINGS. PARMER & CO., New York, N. Y.
Filed February 18, 1926. Serial No. 227,469. PUBLISHED APRIL 6, 1926.

214,239. DRAWING PAPER, TRACING PAPER, VELLUM PAPER, AND PARCHMENT PAPER. PAR VELL LABORATORIES, Columbus, Ohio.
Filed February 20, 1926. Serial No. 227,597. PUBLISHED MARCH 30, 1926.

214,240. TABLE SIRUP. CALGOLD PRODUCTS CO., San Francisco, Calif.
Filed January 5, 1926. Serial No. 225,503. PUBLISHED MARCH 30, 1926.

214,241. MONTHLY MAGAZINE. SIDNEY J. WOLF, San Francisco, Calif.
Filed January 27, 1926. Serial No. 226,525. PUBLISHED MARCH 16, 1926.

214,242. DRESS SHIRTS. SYRACUSE DRY GOODS COMPANY, Syracuse, N. Y.
Filed January 26, 1926. Serial No. 226,450. PUBLISHED MARCH 16, 1926.

214,243. TAGS, CARDS, SEALS, AND CUT-OUTS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed January 25, 1926. Serial No. 226,338. PUBLISHED MARCH 16, 1926.

214,244. TAGS, CARDS, SEALS, AND CUT-OUTS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed January 26, 1926. Serial No. 226,419. PUBLISHED MARCH 16, 1926.

214,245. TAGS, CARDS, SEALS, AND CUT-OUTS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed January 25, 1926. Serial No. 226,337. PUBLISHED MARCH 16, 1926.

214,246. PREPARATION TO PREVENT STEAMING AND FROSTING OF GLASS. GUY A. VAN WORMER, doing business as Van's Va-Wa-Co., Frankfort, Mich.
Filed January 23, 1926. Serial No. 226,315. PUBLISHED MARCH 23, 1926.

214,247. PERIODICAL PUBLICATION AND MAGAZINE. LAFAYETTE-SOUTH SIDE BANK OF ST. LOUIS, St. Louis, Mo.
Filed January 23, 1926. Serial No. 226,291. PUBLISHED MARCH 16, 1926.

214,248. TOILET ARTICLES—NAMELY, SHAVING-SOAP CREAM AND SHAVING STICKS. THE DILL COMPANY, Norristown, Pa.
Filed January 23, 1926. Serial No. 226,281. PUBLISHED MARCH 23, 1926.

214,249. MONTHLY MAGAZINE. AMERICAN NATURE ASSOCIATION, Washington, D. C.
Filed January 22, 1926. Serial No. 226,219. PUBLISHED MARCH 16, 1926.

214,250. CLEANER AND CLEANER POWDER—NAMELY, LAUNDRY WASHING POWDER, CREAMERY AND DAIRY POWDER, DISHWASHING POWDER, AND BOTTLERS' POWDER. PAUL TUMP, Milwaukee, Wis.
Filed January 20, 1926. Serial No. 226,178. PUBLISHED MARCH 30, 1926.

214,251. MAGAZINES ISSUED QUARTERLY. CHARACTER STUDIES, INC., New York, N. Y.
Filed January 19, 1926. Serial No. 226,096. PUBLISHED MARCH 16, 1926.

214,252. DAILY NEWSPAPER. ILLINOIS STATE JOURNAL, Springfield, Ill.
Filed January 16, 1926. Serial No. 226,003. PUBLISHED MARCH 16, 1926.

214,253. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS CORDIALS. EMANUEL D. ROSENSTEIN, doing business as Eagle Malt Extract Company, Memphis, Tenn.
Filed January 14, 1926. Serial No. 225,939. PUBLISHED APRIL 6, 1926.

214,254. POWDER PUFFS. MAURICE LEVY, New York, N. Y.
Filed January 13, 1926. Serial No. 225,886. PUBLISHED MARCH 23, 1926.

214,255. POCKET CARDBOARD COIN HOLDERS. MORELAND BUSINESS BUILDERS, INC., Chicago, Ill.
Filed January 11, 1926. Serial No. 225,796. PUBLISHED APRIL 6, 1926.

214,256. FOOD FLAVORING EXTRACTS. ALBERT M. GUGENHEIM, doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio.
Filed January 9, 1926. Serial No. 225,711. PUBLISHED MARCH 30, 1926.

214,257. METAL CONTAINERS IN THE FORM OF CANS AND DRUMS OF VARIOUS SIZES USED FOR THE PACKAGING AND SHIPPING OF PAINTS, TAR PRODUCTS, WAX, AND THE LIKE. GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis.
Filed January 7, 1926. Serial No. 225,604. PUBLISHED APRIL 6, 1926.

214,258. SOLUBLE POWDER ADAPTED TO BE DISSOLVED IN WATER, USED FOR GENERAL HOUSEHOLD CLEANING PURPOSES. WASH CHEMICAL CO., INC., Silver Spring, Md.
Filed January 5, 1926. Serial No. 225,583. PUBLISHED MARCH 30, 1926.

214,259. TOY CARPET SWEEPERS. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed January 7, 1926. Serial No. 225,583. PUBLISHED APRIL 6, 1926.

214,260. PHOTOPRINTS. C. R. MOEN, La Crosse, Wis.
Filed May 22, 1925. Serial No. 214,736. PUBLISHED MARCH 30, 1926.

214,261. BUTTER, CHEESE, AND EGGS. THE GROVE CITY CREAMERY, Grove City, Pa.
Filed May 12, 1925. Serial No. 214,206. PUBLISHED MARCH 30, 1926.

214,262. WEEKLY PUBLICATION. THE HOOVER COMPANY, North Canton, Ohio.
Filed May 1, 1925. Serial No. 213,646. PUBLISHED MARCH 23, 1926.

214,263. TOILET PAPER. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis.
Filed March 23, 1925. Serial No. 211,473. PUBLISHED MARCH 30, 1926.

214,264. FOUNTAIN PENS. LE BOEUF FOUNTAIN PEN CO., INC., Springfield, Mass.
Filed February 21, 1925. Serial No. 209,995. PUBLISHED MARCH 30, 1926.

214,265. ANGULAR CELLULOID TAB GUIDES. THE GLOBE-WERNICKE CO., Norwood, Ohio.
Filed November 13, 1924. Serial No. 205,207. PUBLISHED MARCH 30, 1926.

214,266. CERTAIN PRINTED STATIONERY. BUSHNELL-DAHLQUIST PRESS, INC., Minneapolis, Minn.
Filed July 31, 1925. Serial No. 218,163. PUBLISHED MARCH 30, 1926.

214,267. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. THE WOLVERINE BOTTLING WORKS, Detroit, Mich.
Filed August 3, 1925. Serial No. 218,350. PUBLISHED APRIL 6, 1926.

214,268. PRINTING PAPER. THE BUYER'S PAPER CO., Dayton, Ohio.
Filed August 5, 1925. Serial No. 218,391. PUBLISHED MARCH 30, 1926.

214,269. PRINTING PAPER COATED WITH A COMPOSITION OF CHINA CLAY, CASEIN, AND BLANC FIX. WALTER W. BAILEY, doing business as Bailey Paper Company, New York, N. Y.
Filed September 22, 1925. Serial No. 220,591. PUBLISHED MARCH 30, 1926.

214,270. PAPER RENDERED MOISTURE AND AIR PROOF AND INTENDED FOR USE AS WALL PAPER, WRAPPING PAPER, BOOK COVERS, PHOTOGRAPH MOUNTS, AND WRAPPINGS FOR INSULATED ELECTRIC WIRES. HERMETITE CORPORATION, New York, N. Y.
Filed October 24, 1925. Serial No. 222,239. PUBLISHED MARCH 23, 1926.

214,271. NEWSPAPER ARTICLES. CELIA IDA MORTIMER, Crystal Springs, Miss.
Filed November 19, 1925. Serial No. 223,533. PUBLISHED MARCH 30, 1926.

214,272. WRITING AND PRINTING PAPERS, BRISTOL BOARD, DOCUMENT PAPER, BLEACH LINED MANILA, TAG BOARD, BLANK BOOKS, TICKET BRISTOL, AND COATED NEWSPAPER. RIVERSIDE FIBRE & PAPER COMPANY, Appleton, Wis.
Filed September 17, 1925. Serial No. 220,363. PUBLISHED MARCH 30, 1926.

214,273. CHECK-STUB HOLDERS FOR CLIPPING TOGETHER THE STUBS OF CHECKS IN CHECK BOOKS. U S MANUFACTURING COMPANY, West Medford, Mass.
Filed November 25, 1925. Serial No. 223,877. PUBLISHED MARCH 23, 1926.

214,274. LESSONS, INSTRUCTION SHEETS, AND PRINTED LECTURES. THE FASHION INSTITUTE, INC., Chicago, Ill.
Filed December 31, 1925. Serial No. 225,355. PUBLISHED MARCH 30, 1926.

214,275. MONTHLY MAGAZINE. ASSOCIATED PENNSYLVANIA CONSTRUCTORS, Harrisburg, Pa.
Filed December 2, 1925. Serial No. 224,068. PUBLISHED MARCH 23, 1926.

214,276. BOOKS FOR ACCOUNTING. PERRY W. HEARN, doing business as United Advertising Agency, Fort Wayne, Ind.
Filed December 10, 1925. Serial No. 224,507. PUBLISHED MARCH 23, 1926.

214,277. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed December 22, 1925. Serial No. 225,029. PUBLISHED MARCH 23, 1926.

214,278. CIGARS. WILLIAM BOUCHER & SONS, Baltimore, Md.
Filed December 29, 1925. Serial No. 225,253. PUBLISHED APRIL 6, 1926.

214,279. ANNUAL MAGAZINE. NEWARK NEWSDEALERS SUPPLY CO., INCORPORATED, Newark, N. J.
Filed January 13, 1926. Serial No. 225,887. PUBLISHED MARCH 16, 1926.

214,280. MONTHLY MAGAZINE. WESTERN STORIES PUBLISHING CORPORATION, New York, N. Y.
Filed December 31, 1925. Serial No. 225,389. PUBLISHED MARCH 23, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b).]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

214,281. (CLASS 12. CONSTRUCTION MATERIALS.) BERGER BROS. COMPANY, Philadelphia, Pa. Filed Apr. 7, 1926. Serial No. 229,774.

QUAKER CITY

Particular description of goods.—Gutter Miters, Gutters, Gutter Outlets, and Gutter End Caps.
Claims use since on or about Nov. 1, 1924.

214,282. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HOLLISTON MILLS, INC., Norwood, Mass. Filed Apr. 7, 1926. Serial No. 229,794.

HOLLISTON PHOTO-CLOTH

Particular description of goods.—A Specially-Prepared Cloth Having Adhesive Qualities for Use as a Backing or Mounting by Photographers, Photostat-Print Manufacturers, Blue-Print Manufacturers, Map Manufacturers, and by Persons Engaged in the Preservation of Documents.
Claims use since November, 1922.

214,283. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TEXAS LINIMENT COMPANY, Corinth, Miss. Filed Apr. 17, 1926. Serial No. 230,367.

TEXAS LINIMENT

Particular description of goods.—Liniment.
Claims use since Jan. 15, 1923.

214,284. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BENDIX BRAKE COMPANY, Chicago, Ill. Filed Mar. 17, 1926. Serial No. 228,734.

BENDIX

Particular description of goods.—Vehicle Brakes and Parts Thereof and Operating Connections Therefor.
Claims use since Feb. 28, 1925.

214,285. (CLASS 37. PAPER AND STATIONERY.) THE HALL PAPER & SPECIALTIES CO., New York, N. Y. Filed Mar. 16, 1926. Serial No. 228,697.

Stylarum-Phast
J. Shaw Hall

Particular description of goods.—Gummed Paper and Gummed Cloth.
Claims use since Oct. 29, 1904.

214,286. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Jan. 7, 1926. Serial No. 225,590.

DUFF

Particular description of goods.—Dress and Negligee Shirts.
Claims use since Feb. 12, 1924.

214,287. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed Dec. 30, 1925. Serial No. 225,307.

HUDSON

Particular description of goods.—Gasoline Passenger Automobiles.
Claims use since July, 1909.

214,288. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BARCELONA PRODUCTS CO., INC., New York, N. Y., Filed Dec. 24, 1925. Serial No. 225,102.

BARCELONA

Particular description of goods.—Soap.
Claims use since Aug. 31, 1924.

214,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN SAUSAGE & PROV. CO. INC., New York, N. Y. Filed Dec. 10, 1925. Serial No. 224,537.

Particular description of goods.—Salami.
Claims use since November, 1922.

214,290. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NEW PROCESS COMPANY, Warren, Pa. Filed Dec. 2, 1925. Serial No. 224,106.

Particular description of goods.—Handibags.
Claims use since Jan. 6, 1923.

214,291. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed May 23, 1925. Serial No. 214,834.

Sturdisilk

Particular description of goods.—Hosiery.
Claims use since May 1, 1925.

214,292. (CLASS 12. CONSTRUCTION MATERIALS.) EXTRA STANDARD, Washington, D. C. Filed June 3, 1925. Serial No. 215,241.

EXTRA STANDARD

Particular description of goods.—Lumber, Dressed or Rough.
Claims use since Apr. 17, 1925.

214,293. (CLASS 39. CLOTHING.) HERMAN BEISPEL, INC., New York, N. Y. Filed July 1, 1925. Serial No. 216,708.

Masculine Type Frocks

No claim being made to the exclusive use of the word "Frocks" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Tailored Frocks.
Claims use since May 1, 1925.

214,294. (CLASS 39. CLOTHING.) HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Filed Aug. 14, 1925. Serial No. 218,852.

WARWICK

Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts, Blouses, Nightshirts, and Pyjamas, and Women's and Children's Knit and Nainsook Underwear.
Claims use since Apr. 30, 1925.

214,295. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSH SUGG, doing business as Anodine Pharmacal Company, Clinton, Iowa. Filed Sept. 3, 1925. Serial No. 219,788.

"The Approved Antiseptic"

AN-O-DINE

"Relieves Pain While it Heals"

Particular description of goods.—Mouth Wash.
Claims use since Apr. 20, 1925.

214,296. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL PICTURES CORPORATION, New York, N. Y. Filed Apr. 29, 1925. Serial No. 213,537.

Particular description of goods.—Moving Pictures.
Claims use since Apr. 6, 1925.

214,297. (CLASS 39. CLOTHING.) DEUTCH-LAKRETZ CO., New York, N. Y. Filed Apr. 25, 1925. Serial No. 213,286.

M	A	T	C	H	E	D
C	A	R	A	C	U	L

Particular description of goods.—Ladies' and Misses' Fur Coats.
Claims use since Feb. 1, 1925.

214,298. (CLASS 39. CLOTHING.) DAVENPORT HOSIERY MILLS, Chattanooga, Tenn. Filed Apr. 13, 1925. Serial No. 212,598.

Particular description of goods.—Hosiery.
Claims use since Mar. 19, 1925.

214,299. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Mar. 31, 1925. Serial No. 211,932.

ALUMINA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about Sept. 15, 1924.

214,300. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE EVER-BEST SALES COMPANY, Lexington, Ky. Filed Mar. 21, 1925. Serial No. 211,412.

Particular description of goods.—Tire-Repair Kits, Blow-Out Patches, Inner Tubes, and Belts.
Claims use since Feb. 1, 1925.

214,301. (CLASS 39. CLOTHING.) REIFFMAN-CORN, INC., New York, N. Y. Filed Jan. 14, 1925. Serial No. 208,108.

Fenimore

Particular description of goods.—Dress Shirts.
Claims use since Oct. 25, 1924.

214,302. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ORLA R. PLUMMER, doing business as Plummers Handigrip Paint Spray Co., Napoleon, Ohio. Filed Sept. 24, 1924. Serial No. 203,005.

Particular description of goods.—Paint-Spraying Devices.
Claims use since August, 1923.

214,303. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Aug. 8, 1924. Serial No. 201,138.

KAUFMANN'S
"THE BIG STORE"

Particular description of goods.—Japan Matting, Cocoa Matting and Mats, Tents, Rubber Matting, Rubber Stair Pads, and Metal Binding for Linoleum.
Claims use since about July 1, 1913.

214,304. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. FISCHER & CO., INC., New York, N. Y. Filed May 31, 1924. Serial No. 197,872.

ASTOR

Particular description of goods.—Tapioca.
Claims use since Apr. 1, 1924.

214,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. FISCHER & COMPANY, INC., New York, N. Y. Filed May 31, 1924. Serial No. 197,871.

ASTOR

Particular description of goods.—Spices.
Claims use since Oct. 1, 1905.

214,306. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 15, 1924. Serial No. 197,071.

GOODYEAR

Particular description of goods.—Golf Balls.
Claims use since Feb. 29, 1924.

TRADE-MARK REGISTRATIONS RENEWED

46,740. DISINFECTANTS, GERMICIDES, AND DEODORIZERS. Registered October 3, 1905. CHEMICAL WORKS OF AMERICA, Stamford, Conn. Renewed October 3, 1925, to John J. Carle, doing business as John Carle & Sons, New York, N. Y., successor.

48,783. PETROLEUM BURNING OILS. Registered January 16, 1906. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a Corporation of Texas. Renewed January 16, 1926.

50,049. CORSETS. Registered February 27, 1906. MARSHALL FIELD & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed February 27, 1926.

50,367. A PREPARATION FOR THE FACE AND SKIN. Registered March 13, 1906. CLARENCE D. EVANS, Healdsburg, Calif. Renewed March 13, 1926, to The Arabalene Company, San Francisco, Calif., a Corporation of California, assignee.

50,666. BOTTLES OF SQUARE OR CUBICAL FORM. Registered March 27, 1906. THE COOK & BERNHEIMER CO. Renewed March 27, 1926, to The Cook & Bernheimer Co., New York, N. Y., a Corporation of New York, successor.

51,155. COFFEE. Registered April 3, 1906. RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo., a Corporation of Missouri. Renewed April 3, 1926.

51,457. CIGARS. Registered April 17, 1906. AARON STRAUS. Renewed April 17, 1926, CELESTINO VEGA & Co., Chicago, Ill., a Corporation of Illinois, assignee.

51,737. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,754. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,756. PLAYING CARDS. Registered April 24, 1906. THE UNITED STATES PLAYING CARD CO. Renewed April 24, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

51,818. PLOWS, CULTIVATORS, AND HARROWS. Registered April 24, 1906. B. F. AVERY & SONS, Louisville, Ky., a Corporation of Kentucky. Renewed April 24, 1926.

52,137. GLOVES. Registered May 1, 1906. FOWNES BROTHERS & CO., London, England, and New York, N. Y. Renewed May 1, 1926, to Fownes Brothers & Co. Inc., Gloversville, Amsterdam, and New York, N. Y., a Corporation of New York, assignee.

52,142. AN ANTISEPTIC SOLUTION. Registered May 1, 1906. NETTIE M. HOON. Renewed May 1, 1926, to Franklin Henry Hawn, doing business as Savol Chemical Company, Mercer, Pa., assignee.

52,163. CANNED FRUITS AND VEGETABLES. Registered May 1, 1906. TORSCH PACKING CO. Renewed May 1, 1926, to The Torsch-Summers Company, Baltimore, Md., a Corporation of Maryland, assignee.

52,208. COGNAC BRANDY. Registered May 1, 1906. A. C. MEUKOW & Co. Renewed May 1, 1926, to T. D. Shepherd & Co., Cognac, France, assignee.

52,306. CLOCK MOVEMENTS. Registered May 8, 1906. SCHLENKER & KIENZLE, Schwenningen, Germany. Renewed May 8, 1926, to The Kienzle Clock Company, Inc., New York, N. Y., a Corporation of New York, assignee.

52,328. NEEDLES FOR HAND AND MACHINE SEWING. Registered May 8, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England, a Corporation of Great Britain. Renewed May 8, 1926.

52,420. AN INSECT POWDER. Registered May 8, 1906. GILPIN, LANGDON & COMPANY, INCORPORATED. Renewed May 8, 1926, to Gilpin, Langdon & Company, Incorporated, Baltimore, Md., a Corporation of Maryland, successor.

52,485. FISHHOOKS. Registered May 8, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England, a Corporation of Great Britain. Renewed May 8, 1926.

52,654. EXTRACT OF MALT AND HOPS. Registered May 15, 1906. ANHEUSER-BUSCH BREWING ASSOCIATION. Renewed May 15, 1926, to Anheuser-Busch, Incorporated, St. Louis, Mo., a Corporation of Missouri, assignee.

52,691. READY TAR AND FELT ROOFING. Registered May 15, 1906. BARRETT MANUFACTURING COMPANY. Renewed May 15, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

52,702. METAL POLISHES. Registered May 15, 1906. CHAS. RATH, Renewed May 15, 1926, to Imperial Metal Polish Co., Philadelphia, Pa., a Corporation of Pennsylvania, assignee by mesne assignments.

52,733. CERTAIN NAMED POLISH. Registered May 15, 1906. AMOS L. PRESCOTT. Renewed May 15, 1926, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

52,763. PLAYING CARDS. Registered May 15, 1906. THE UNITED STATES PLAYING CARD CO. Renewed May 15, 1926, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a Corporation of Ohio, assignee.

52,923. CANNED LOBSTER. Registered May 22, 1906. WILKINSON, GADDIS & COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed May 22, 1926.

52,924. CANNED FRUITS AND VEGETABLES. Registered May 22, 1906. WILKINSON, GADDIS & COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed May 22, 1926.

53,106. WOOLEN AND WORSTED PIECE GOODS. Registered May 29, 1906. SHACKAMAXON WORSTED Co. Renewed May 29, 1926, to Allen R. Mitchell & Son, Philadelphia, Pa., assignee.

53,119. SAWS. Registered May 29, 1906. J. N. EBERLE & Co. Renewed May 29, 1926, to J. N. Eberle & Cie. Aktiengesellschaft, Augsburg-Pfersee, Germany, a Joint-Stock Company, successor.

53,264. BLEACHED AND UNBLEACHED SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered May 29, 1906. GRINNELL WILLIS & Co. Renewed May 29, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

53,366. EMULSIONS FOR USE IN ALL CONDITIONS OF MALNUTRITION. Registered May 29, 1906. STANDARD EMULSION COMPANY, New York, N. Y., a Corporation of New York. Renewed May 29, 1926.

53,656. ROOFING MATERIAL. Registered June 12, 1906. THE EASTERN GRANITE ROOFING COMPANY. Renewed June 12, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

53,813. CHAIRS. Registered June 12, 1906. SHEBOYGAN CHAIR COMPANY, Sheboygan, Wis., a Corporation of Wisconsin. Renewed June 12, 1926.

53,997. COAL-TAR PAINT. Registered June 19, 1906. BARRETT MANUFACTURING COMPANY. Renewed June 19, 1926, to The Barrett Company, New York, N. Y., a Corporation of New Jersey, assignee.

54,082. WINES OF ALL KINDS. Registered June 19, 1906. A. DE LUZE & FILS. Renewed June 19, 1926, to Societe Anonyme Maison A. de Luze & Fils, Bordeaux, France, a Corporation of France, successor.

54,215. ROUND AND FLAT LEATHER BELTING. Registered June 19, 1906. TROY BELTING AND SUPPLY COMPANY, Troy, N. Y., a Corporation of New York. Renewed June 19, 1926.

54,220. BLEACHED AND UNBLEACHED SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered June 19, 1906. GRINNELL WILLIS & Co. Renewed June 19, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

54,358. MEDALS AND BADGES. Registered June 26, 1906. CALVIN W. LITTLE. Renewed June 26, 1926, to Clarence D. Little, Susan E. Little, and John W. Little, doing business as Calvin W. Little, New York, N. Y., successors.

54,465. ROOT BEER, ROOT-BEER EXTRACT, AND THE DRY INGREDIENTS FOR MAKING ROOT BEER. Registered June 26, 1906. THE CHARLES E. HIRES COMPANY. Renewed June 26, 1926, to The Charles E. Hires Company, Philadelphia, Pa., a Corporation of Delaware, successor.

54,517. CEMENT PLASTER. Registered June 26, 1906. J. B. KING & Co., New York, N. Y. Renewed June 26, 1926, to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois, assignee.

54,565. BLEACHED AND UNBLEACHED SHIRTINGS AND SHEETINGS, CAMBRICS, AND LONG CLOTH. Registered June 26, 1906. GRINNELL WILLIS & Co. Renewed June 19, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

54,591. ROLLED OATS. Registered June 26, 1906. WILKINSON, GADDIS & COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed June 26, 1926.

54,721. FIBROUS AND TEXTILE ROPE AND TWINE. Registered June 26, 1906. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a Corporation of Massachusetts. Renewed June 26, 1926.

54,734. HAIRPINS. Registered June 26, 1906. S. BEAUMONT & FILS, Roubaix, France. Renewed June 26, 1926.

54,771. WASHING POWDER. Registered July 31, 1906. DAVID S. BROWN, New York, N. Y. Renewed July 31, 1926, to The Procter & Gamble Company, Cincinnati, Ohio, a Corporation of Ohio, successor.

54,857. SHOW CASES. Registered July 31, 1906. THE SUN MANUFACTURING COMPANY, Columbus, Ohio, a Corporation of Ohio. Renewed July 31, 1926.

54,862. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered July 31, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed July 31, 1926, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

54,864. FRUITS AND VEGETABLES, HERMETICALLY SEALED. Registered July 31, 1906. AUGHINBAUGH CANNING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed July 31, 1926.

54,905. STIFFENING CORDS, BLADES, TAPES, AND FABRICS. Registered July 31, 1906. THE WARREN FEATHERBONE CO. Renewed July 31, 1926, to The Warren Featherbone Co., Three Oaks, Mich., a Corporation of Michigan, assignee.

54,906. STIFFENING CORDS, BLADES, TAPES, AND FABRICS. Registered July 31, 1906. THE WARREN FEATHERBONE CO. Renewed July 31, 1926, to The Warren Featherbone Co., Three Oaks, Mich., a Corporation of Michigan, assignee.

55,031. CERTAIN NAMED TOBACCO POUCHES AND RECEPTACLES. Registered August 7, 1906. ADOLPH FRANKAU & Co. LTD., London, England. Renewed August 7, 1926, to B. B. B. Pipe Co. Inc., New York, N. Y. a Corporation of New York, assignee

55,053. STOVES, RANGES, FURNACES, AND STEAM AND HOT-WATER HEATERS. Registered August 7, 1906. CO-OPERATIVE FOUNDRY CO., Rochester, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,054. STOVES, RANGES, FURNACES, AND HEATERS. Registered August 7, 1906. CO-OPERATIVE FOUNDRY CO., Rochester, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,084. METALLIC BELT LACING. Registered August 7, 1906. KERR & COMPANY, New York, N. Y., a Corporation of New York. Renewed August 7, 1926.

55,096. METALLIC ALLOYS. Registered August 7, 1906. THE PHOSPHOR-BRONZE SMELTING CO. LIMITED. Renewed August 7, 1926, to The Phosphor Bronze Smelting Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,243. NEEDLES FOR HAND SEWING. Registered August 7, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England, a Corporation of Great Britain. Renewed August 7, 1926.

55,270. MALT EXTRACT. Registered August 14, 1906. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed August 14, 1926.

55,284. WHISKY. Registered August 14, 1906. EMINENCE DISTILLERY Co. Renewed August 14, 1926, to Geo. Benz & Sons, St. Paul, Minn., a Corporation of Minnesota, successor.

55,313. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,315. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,316. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,317. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,318. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,319. LEATHER BOOTS AND SHOES AND LEATHER USED IN THEIR MANUFACTURE. Registered August 14, 1906. RICE & HUTCHINS, INCORPORATED. Renewed August 14, 1926, to Rice & Hutchins, Inc., Boston, Mass., a Corporation of Maine, assignee.

55,349. LEATHER AND CLOTH BOOTS, SHOES, AND SLIPPERS. Registered August 14, 1906. HANAN & SON, Brooklyn, N. Y. Renewed August 14, 1926.

55,371. CIGARS. Registered August 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, a Corporation of Spain. Renewed August 14, 1926.

55,406. METALLIC ALLOYS. Registered August 14, 1906. THE PHOSPHOR-BRONZE SMELTING CO., LIMITED. Renewed August 14, 1926, The Phosphor Bronze Smelting Company, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

55,447. CIGARS. Registered August 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, a Corporation of Spain. Renewed August 14, 1926.

55,449. WEIGHING SCALES AND APPURTENANCES THEREOF. Registered August 14, 1906. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt., a Corporation of Vermont. Renewed August 14, 1926.

55,475. BOTTLE AND PRESCRIPTION CORKS OF ALL KINDS. Registered August 14, 1906. ARMSTRONG CORK COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 14, 1926.

55,505. VARNISHES, JAPANS, LIQUID FILLERS, AND WATERPROOF FINISH. Registered August 14, 1906. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a Corporation of New York. Renewed August 14, 1926.

55,530. SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. Registered August 14, 1906. GEBRÜDER BERNARD, Offenbach-on-the-Main, Germany. Renewed August 14, 1926, to Gebrüder Bernard Aktiengesellschaft, Regensburg, Germany, a Corporation of Germany, successor.

55,538. SPLINTS. Registered August 14, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Renewed August 14, 1926, to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey, assignee.

55,544. A COMPOSITION OF MATTER. Registered August 14, 1906. LACTOLEUM-WERKE GES. MIT BESCHR. HFTG., Berlin, Germany. Renewed August 14, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

55,560. CIGARS. Registered August 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, a Corporation of Spain. Renewed August 14, 1926.

55,591. HAIR WAVERS. Registered August 21, 1906. S. BEAUMONT & FILS, ROUBAIX, France. Renewed August 21, 1926.

55,630. PERFUMES. Registered August 21, 1906. THE C. B. WOODWORTH SONS CO., Rochester, N. Y. Renewed August 21, 1926, to Woodworth, Inc., Rochester and New York, N. Y., a Corporation of New York, assignee.

55,678. CHAMPAGNE. Registered August 21, 1906. EMPIRE STATE WINE COMPANY, Penn Yan, N. Y., a Corporation of New York. Renewed August 21, 1926.

55,690. TOOTH POWDER. Registered August 21, 1906. LAMBERT PHARMACAL COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed August 21, 1926.

55,768. YEAST. Registered August 21, 1906. NATIONAL DISTILLING CO. Renewed August 21, 1926, to Red Star Yeast and Products Company, Milwaukee, Wis., a Corporation of Wisconsin, assignee.

55,796. CERTAIN NAMED TEXTILES. Registered August 21, 1906 GRINNELL WILLIS & CO. Renewed August 21, 1926, to Ridley Watts & Co., New York, N. Y., assignee, by mesne assignments.

56,099. BLEACHED AND HALF-BLEACHED COTTON PIECE GOODS. Registered August 21, 1906. GRINNELL WILLIS & CO. Renewed August 21, 1926, to Ridley Watts & Co., New York, N. Y., assignee by mesne assignments.

56,183. PREPARED GELATIN. Registered August 28, 1906. WHITMAN GROCERY COMPANY. Renewed August 28, 1926, to Minute Tapioca Co., Orange, Mass., a Corporation of Massachusetts, assignee.

56,208. OIL FOR EXTERNAL AND INTERNAL USE. Registered September 4, 1906. FOSTER-MILBURN CO., Buffalo, N. Y., a Corporation of New York. Renewed September 4, 1926.

56,244. COAL. Registered September 4, 1906. THE LEHIGH COAL AND NAVIGATION COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed September 4, 1926.

56,289. SEWING MACHINES, COVERS, STANDS, TABLES, AND ATTACHMENTS. Registered September 4, 1906. ALBERT G. MASON. Renewed September 4, 1926, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware, successor.

56,360. PLAYING CARDS. Registered September 18, 1906. STANDARD PLAYING CARD MANUFACTURING CO. Renewed September 18, 1926, to Standard Playing Card Co., Chicago, Ill., a Corporation of New Jersey, successor.

56,429. CERTAIN NAMED SPORTING GOODS. Registered September 25, 1906. A. G. SPALDING & BROS., New York, N. Y., and Jersey City, N. J., a Corporation of New Jersey. Renewed September 25, 1926.

56,454. COOK STOVES AND RANGES. Registered September 25, 1906. FRED. E. LEE and WM. G. HOWARD, executors of Philo D. Beckwith, deceased. Renewed September 25, 1926, to The Beckwith Company, Dowagiac, Mich., a Corporation of Michigan, assignee.

56,488. SAFETY FUSE FOR EXPLODING GUNPOWDER AND OTHER EXPLOSIVES. Registered October 2, 1906. THE CLIMAX FUSE CO., New York, N. Y. Renewed October 2, 1926, to The Ensign-Bickford Co., Simsbury, Conn., a Corporation of Connecticut, assignee.

56,489. FUSES. Registered October 2, 1906. THE CLIMAX FUSE CO., New York, N. Y. Renewed October 2, 1926, to The Ensign-Bickford Co., Simsbury, Conn., a Corporation of Connecticut, assignee.

56,496. CERTAIN NAMED MACHINERY. Registered October 2, 1906. GISHOLT MACHINE COMPANY, Madison, Wis., a Corporation of Wisconsin. Renewed October 2, 1926.

56,501. LEATHER BOOTS AND SHOES. Registered October 2, 1906. LOCKE SHOE COMPANY, Wheeling, W. Va., a Corporation of West Virginia. Renewed October 2, 1926.

56,553. FOOD-CHOPPING MACHINES. Registered October 9, 1906. COLEBROOKDALE IRON COMPANY, Colebrookdale, Pa., a Corporation of Pennsylvania. Renewed October 9, 1926.

56,556. CIGARS. Registered October 9, 1906. THE DEISEL-WEMMER CO., Lima, Ohio, a Corporation of Ohio. Renewed October 9, 1926.

56,567. LEATHER BELTING AND LEATHER PACKING. Registered October 9, 1906. J. E. RHOADS & SONS, Philadelphia, Pa. Renewed October 9, 1926.

56,568. LEATHER BELTING AND LEATHER PACKING. Registered October 9, 1906. J. E. RHOADS & SONS, Philadelphia, Pa. Renewed October 9, 1926.

56,578. SHEETINGS. Registered October 9, 1906. PIEDMONT MFG. CO., Piedmont, S. C., a Corporation of South Carolina. Renewed October 9, 1926.

56,651. WHISKY. Registered October 16, 1906. R. E. WATHEN & COMPANY, Louisville, Ky., a Corporation of Kentucky. Renewed October 16, 1926.

56,747. MEDICINE FOR THE CURE OF ECZEMA AND OTHER SKIN DISEASES. Registered October 16, 1906. D. D. D. COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 16, 1926.

56,799. LIQUIDS IN THE NATURE OF RUBBER. Registered October 16, 1906. THE STANDARD PAINT COMPANY, New York, N. Y. Renewed October 16, 1926, to The Ruberoid Co., Boundbrook, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

56,827. ROLLED AND GROUND OATS. Registered October 23, 1906. THE H-O (HORNBY'S OATMEAL) COMPANY, New York, N. Y. Renewed October 23, 1926, to Hecker-H-O Company, Inc., Buffalo, N. Y., a Corporation of New York, assignee.

56,916. BLOWERS AND FORGES AND ATTACHMENTS THERETO. Registered October 23, 1906. THE CHAMPION BLOWER & FORGE CO., Lancaster, Pa., a Corporation of Pennsylvania. Renewed October 23, 1926.

56,931. REMEDIES FOR CERTAIN NAMED DISEASES. Registered October 23, 1906. LOUISE M. MENTELE, Epiphany, S. Dak. Renewed October 23, 1926, to Louise M. Mentele-Doty, Sioux Falls, S. Dak., successor.

56,945. ICE-CREAM FREEZERS. Registered October 23, 1906. RICHMOND CEDAR WORKS, Richmond, Va., a Corporation of Virginia Renewed October 23, 1926.

56,952. METAL-DRILLING MACHINES. Registered October 30, 1906. THE CHAMPION BLOWER & FORGE CO., Lancaster, Pa., a Corporation of Pennsylvania. Renewed October 30, 1926.

56,962. CANNED FISH. Registered October 30, 1906. KELLEY-CLARKE CO., Seattle, Wash., a Corporation of Washington. Renewed October 30, 1926.

56,966. CALICO PRINTS. Registered October 30, 1906. PASSAIC PRINT WORKS, Passaic, N. J. Renewed October 30, 1926, Passaic Print Works, New York, N. Y., a Corporation of New Jersey.

56,967. CALICO PRINTS. Registered October 30, 1906. PASSAIC PRINT WORKS, Passaic, N. J. Renewed October 30, 1926, to Passaic Print Works, New York, N. Y., a Corporation of New Jersey.

56,988. CANNED FISH. Registered October 30, 1906. KELLEY-CLARKE CO., Seattle, Wash., a Corporation of Washington. Renewed October 30, 1926.

56,998. CIGARS. Registered October 30, 1906. PETER N. JACOBSEN, Jr. Renewed October 30, 1926, to Peter N. Jacobsen Cigar Co., Davenport, Iowa, a Corporation of Iowa, assignee.

57,023. GINGER ALE. Registered October 30, 1906. HAGAN & DODD CO., Atlanta, Ga., a Corporation of Georgia. Renewed October 30, 1926.

57,040. PORTER. Registered October 30, 1906. JOHN LABATT. Renewed October 30, 1926, to John Labatt, Limited, London, Ontario, Canada, a Corporation of Canada, assignee.

57,084. PLOWS AND CULTIVATORS. Registered October 30, 1906. THE VULCAN PLOW CO., Evansville, Ind., a Corporation of Indiana. Renewed October 30, 1926.

57,086. CERTAIN NAMED SPORTING GOODS. Registered October 30, 1906. WRIGHT & DITSON, Jersey City, N. J., a Corporation of New Jersey. Renewed October 30, 1926.

LABELS

REGISTERED JUNE 15, 1926.

30,472.—*Title:* ARMSTRONG'S SELECT CORKS. For Corks. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Published January 14, 1926.

30,473.—*Title:* ARMSTRONG'S EXTRA SELECT CORKS. For Corks. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Published January 14, 1926.

30,474.—*Title:* ANNETTE KELLERMANN SPORT CREAM. For Cold Cream. LEONARD C. ASCH, doing business as Ashlen Laboratories, New York, N. Y. Published January 5, 1926.

30,475.—*Title:* PEARL DENTUR PASTE—THE PERFECT CREAM PASTE FOR ARTIFICIAL DENTURES. For Tubes Containing the Paste. ASSOCIATED DENTAL PRODUCTS, INC., New York, N. Y. Published May 14, 1925.

30,476.—*Title:* S-A-G. For Prepared Dough for Use in Making Pies. MARY IRENE BYRNES, Des Moines, Iowa. Published January 25, 1926.

30,477.—*Title:* OUR FRIEND. For Malt Extract for Food Purposes. N. DASKAL & COMPANY, Detroit, Mich. Published March 10, 1926.

30,478.—*Title:* THE TEXAN. For Work Shirts. A. B. FRANK COMPANY, San Antonio, Tex. Published November 20, 1925.

30,479.—*Title:* HAIR WONDER. For a Remedy for Dandruff, Gray and Faded and Falling Hair. MICHELE S. GIAMBRONE, Chicago, Ill. Published January 15, 1926.

30,480.—*Title:* AJAX. For Coffee. E. H. HACKER, doing business as E. H. Hacker and Company, Milwaukee, Wis. Published April 26, 1926.

30,481.—*Title:* THE PEACH. For Candy. HARMONY CANDY COMPANY, Chicago, Ill. Published May 4, 1926.

30,482.—*Title:* A FEAST OF YEAST AND A DANDY BRAN CANDY. For Candy. HEALTH-SWEETS COMPANY, Battle Creek, Mich. Published May 12, 1926.

30,483.—*Title:* ANTHONY WAYNE. For Candy. HEIT-MILLER-LAU COMPANY, Fort Wayne, Ind. Published May 11, 1926.

30,484.—*Title:* MARINÉ SPRATS. For Canned Sprats. HELLER BROTHERS IMPORTING CO., INC., doing business as Vita Fish Preserving Works, New York, N. Y. Published April 28, 1926.

30,485.—*Title:* WAVESET. For a Hairdressing Preparation. ALFRED J. KRANK, St. Paul, Minn. Published April 1, 1926.

30,486.—*Title:* RINSELEMO. For a Hair Rinse. ALFRED J. KRANK, St. Paul, Minn. Published April 7, 1926.

30,487.—*Title:* MOON-TABS. For a Pharmaceutical Preparation. ROLLA C. LAWRY, doing business as Moon Laboratories, St. Louis, Mo. Published March 23, 1926.

30,488.—*Title:* EL-BE. For Sliced Pineapple. LUCIDO BROTHERS GROCERY CO., Granite City, Ill. Published November 1, 1925.

30,489.—*Title:* DR. H. G. MARTIN'S FAMOUS MOUTH WASH AND PYORRHEA REMEDY. For a Mouth Wash and Pyorrhea Remedy. DR. HARRY G. MARTIN, Los Angeles, Calif. Published March 20, 1926.

30,490.—*Title:* NEWBERY. For Incandescent Bulbs. NEWBERY ELECTRIC CORPORATION, Los Angeles, Calif. Published January 2, 1926.

30,491.—*Title:* BIG SAN. For Coffee. THE OHIO VALLEY COFFEE CO., Portsmouth, Ohio. Published March 30, 1926.

30,492.—*Title:* CHAMPION. For Pale Ginger Ale. PHILLIPS BROTHERS, Baltimore, Md. Published April 15, 1926.

30,493.—*Title:* CROW CHASER. For a Chemical Preparation. THE PHINOTAS CHEMICAL CO., New York, N. Y. Published April 26, 1926.

30,494.—*Title:* GREEN HAT. For Matches. ALBERT PICK & COMPANY, Chicago, Ill. Published March 5, 1926.

30,495.—*Title:* SUNSHINE BRAND. For Peaches. PINEHURST PEACH COMPANY, West End, N. C. Published July 23, 1925.

30,496.—*Title:* THE HOSE WITH MORE FABRIC. For Rubber Hose. PIONEER RUBBER MILLS, San Francisco, Calif. Published February 26, 1926.

30,497.—*Title:* PITTSFORD PURITY PIES. For Pies. PITTSFORD PURITY PIE COMPANY, Indianapolis, Ind. Published April 14, 1926.

30,498.—*Title:* NO TAR ODOR. For Mange Medicine. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published January 25, 1926.

30,499.—*Title:* ROYAL KNIGHT. For Oranges. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION, Redlands, Calif. Published April 1, 1926.

30,500.—*Title:* NEWSBOY. For Oranges. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION, Redlands, Calif. Published April 1, 1926.

30,501.—*Title:* LUXURY. For Oranges. REDLANDS CO-OPERATIVE FRUIT ASSOCIATION, Redlands, Calif. Published April 1, 1926.

30,502.—*Title:* APOLLO HARD CANDY CANDY CHECKERS. For Hard Candy. F. H. ROBERTS COMPANY, Boston, Mass. Published April 28, 1926.

30,503.—*Title:* BUTTER-TOP BREAD. For Bread. PRESTON E. ROBERTS, INC., Fort Madison, Iowa. Published May 18, 1926.

30,504.—*Title:* EGG DAINTIES. For Macaroni Products. RONZONI MACARONI CO., INC., Long Island, N. Y. Published April 15, 1926.

30,505.—*Title:* DU BARRY. For Cigarettes. ROSEDOR CIGARETTE CO., New York, N. Y. Published March 10, 1926.

30,506.—*Title:* DOG CHOW. For Canned Dog Food. SOUTHWESTERN PACKING COMPANY, INC., Phoenix, Ariz. Published April 6, 1926.

30,507.—*Title:* WATKINS PIE FILLER. For a Chocolate Pie Filler. THE J. R. WATKINS COMPANY, Winona, Minn. Published February 5, 1926.

30,508.—*Title:* WHOLE WHEAT BREAD. For Bread. WAX WRAP PAPER COMPANY, Dallas, Tex. Published May 1, 1926.

30,509.—*Title:* POTATO BREAD. For Bread. WAX WRAP PAPER COMPANY, Dallas, Tex. Published May 1, 1926.

30,510.—*Title:* WHITE CROSS "AA-GRADE" THE PERFECTED MALTED MILK. For Malted Milk. WHITE CROSS FOOD COMPANY, Racine, Wis. Published December 16, 1925.

30,511.—*Title:* SELF-FLEX THE COMFORTABLE BELT. For Belts. WOODWARD & COCHEY MFG. Co., Chicago, Ill. Published April 1, 1926.

30,512.—*Title:* WINDSOR DRY. For Ginger Ale. THE WOOLNER BREWING CO., Toledo, Ohio. Published January 1, 1926.

PRINTS

REGISTERED JUNE 15, 1926.

8,891.—*Title:* BEGLEY'S FAMOUS TAMALES. For Mexican-Style Tamales. BEGLEY FOOD PRODUCTS Co., Chicago, Ill. Published March 23, 1926.

8,892.—*Title:* BRILLIANTONE NEEDLES. For Phonograph Needles. BRILLIANTONE STEEL NEEDLE COMPANY OF AMERICA, INC., New York, N. Y. Published February 24, 1926.

8,893.—*Title:* CLARKNOTE. For Jewelry. W. G. CLARK & CO. INC., North Attleboro, Mass. Published April 8, 1926.

8,894.—*Title:* THESE LAST LAGGING DAYS OF SCHOOL. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published May 7, 1926.

8,895.—*Title:* YOUR BABY'S BIGGEST JOB!—LEARNING TO HANDLE A GROWN UP DIET. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 20, 1926.

8,896.—*Title:* 10,000 TEACHERS ARE USING THIS PLAN TO TEACH HEALTH HABITS. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published April 1, 1926.

8,897.—*Title:* THIS WEEK! KNOW FOR YOURSELF THE DELICIOUS QUALITY AND FINE FOOD VALUE OF THIS FAMOUS TASTE TREAT. For Frozen Confections—That is, Chocolate and Similarly Coated Ice-Cream Bars. ESKIMO PIE CORPORATION, Louisville, Ky. Published March 6, 1926.

8,898.—*Title:* HEINZ COOKED SPAGHETTI IS DIFFERENT. For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published May 1, 1926.

8,899.—*Title:* A CREAM SOUP MADE WITH REAL CREAM. For Heinz 57 Varieties. H. J. HEINZ COMPANY, Pittsburgh, Pa. Published April 3, 1926.

8,900.—*Title:* RESINOL SOAP PROMOTES SKIN HEALTH AND BEAUTY. For Soap. RESINOL CHEMICAL COMPANY, Baltimore, Md. Published November 2, 1925.

8,901.—*Title:* THE REVELATION SUITCASE. For Suitcases. REVELATION SUITCASE CO., INC., New York, N. Y. Published April 16, 1926.

8,902.—*Title:* FOR THE EMERGENCY OIL SHORTAGE. For Gargoyle Mobiloil. VACUUM OIL CO., New York, N. Y. Published March 15, 1926.

8,903.—*Title:* MOBILOIL FOR EVERY FARM LUBRICATION NEED. For Gargoyle Mobiloil. VACUUM OIL CO., New York, N. Y. Published March 15, 1926.

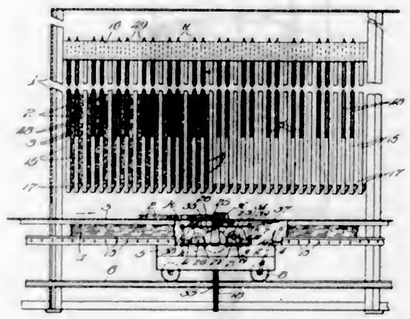
8,904.—*Title:* FOR CONVENIENCE—KEEP A SUPPLY OF MOBILOIL IN YOUR HOME GARAGE. For Gargoyle Mobiloil. VACUUM OIL CO., New York, N. Y. Published March 15, 1926.

8,905.—*Title:* QUEEN ANNA CAKE. For Queen Anna Cake. AUGUST VOGT, Dallas, Tex. Published May 3, 1926.

REISSUES

JUNE 15, 1926.

16,361. LUMBER MOVING AND STORAGE MEANS. ROBERT Z. DRAKE, Omaha, Nebr. Filed Aug. 3, 1925. Serial No. 47,999. Original No. 1,471,149, dated Oct. 16, 1923. Serial No. 592,459, filed Oct. 5, 1922. 32 Claims. (Cl. 214—16.)

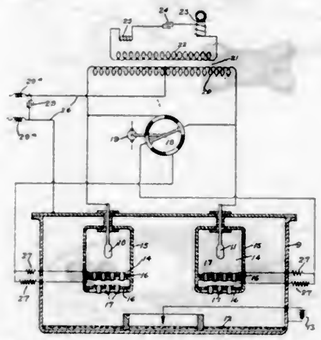


1. In lumber moving and storage means for a seasoning house, a plurality of hanger-bars disposed in approximately parallel, adjacent sections and secured in an upright position in the seasoning house, catch-members mounted on the hanger-bars, and an upright carrier below the hanger-bars movable for moving lumber between two sections of hanger-bars to be supported by said catch-members.

16,362. ADJUSTABLE PLUG FOR CLEANING CONDENSER TUBES. MARTIN MANNION, Perth Amboy, N. J., and ROBERT C. ARTHUR, Tottenville, N. Y., assignors of one-third to John Mannion, Perth Amboy, N. J. Filed Feb. 14, 1923. Serial No. 619,060. Original No. 1,415,600, dated May 9, 1922, Serial No. 481,942, filed July 1, 1921. 1 Claim. (Cl. 15—104.06.)

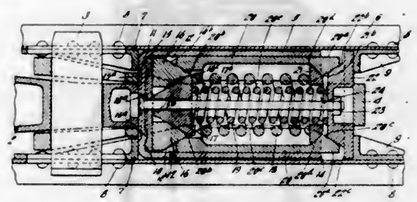
A projectile plug for flue-cleaners, consisting of a body-portion having longitudinally extending spiral peripheral grooves and tapering ends and laterally extending flanges on said ends, said body and flanges being of collapsible material and said flanges extending beyond said body portion.

16,363. VACUUM TYPE INVERTED CONVERTER. LEWIS W. CHUBB, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 11, 1921. Serial No. 476,935. Original No. 1,347,894, dated July 27, 1920, Serial No. 64,154, filed Nov. 29, 1915. 13 Claims. (Cl. 173—363.)



3. The combination with a direct-current supply circuit; of an alternating-current consumption circuit, a vacuum-type inverted converter interlinking said two circuits, means for tuning said alternating-current circuit to the desired frequency, and means associated with the converter for responding to said frequency and for exerting a resultant controlling action on the operation of the converter.

16,364. FRICTION DRAFT RIGGING. GEORGE BINET DOREY, Evanston, Ill, assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation. Filed Feb. 15, 1926. Serial No. 88,507. Original No. 1,493,192, dated May 6, 1924, Serial No. 528,010, filed Jan. 9, 1922. 14 Claims. (Cl. 213—26.)



14. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a spring resistance; a wedge acting spring follower; a plurality of wedge friction shoes co-acting with said shell friction surfaces and movable inwardly of the same during compression of the mechanism; a pressure transmitting means cooperating with said spring resistance adapted to move said shoes inwardly of the shell; and wedge blocks disposed on opposite sides of the mechanism, said blocks being interposed between said spring follower and wedge shoes, whereby the spring follower is moved toward said means during the compression of the mechanism.

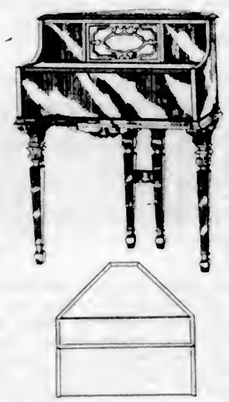
DESIGNS

JUNE 15, 1926.

70,354. BISCUIT. FRED H. BENNETT, Montclair, N. J., assignor to F. H. Bennett Biscuit Company, New York, N. Y., a Corporation of New York. Filed Apr. 3, 1926. Serial No. 17,174. Term of patent 14 years.

The ornamental design for a biscuit substantially as shown.

70,355. CONSOLE RADIO CABINET. HELGE G. BLOMGREN, Rockford, Ill. Filed Mar. 1, 1926. Serial No. 16,711. Term of patent 7 years.



The ornamental design for a console radio cabinet, as shown.

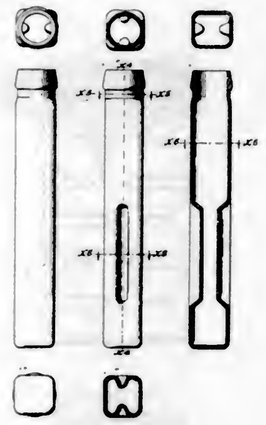
70,356. GOBLET. EDGAR MOTT BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 29, 1926. Serial No. 17,090. Term of patent 14 years.

The ornamental design for a goblet, as shown.

70,357. PLATE. EDGAR MOTT BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 29, 1926. Serial No. 17,091. Term of patent 14 years.

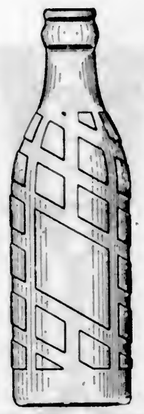
The ornamental design for a plate, as shown.

70,358. JAR. CLYDE C. BRANT, Los Angeles, Calif., assignor to A. L. New, Ocean Park, Calif. Filed Nov. 16, 1925. Serial No. 15,430. Term of patent 14 years.



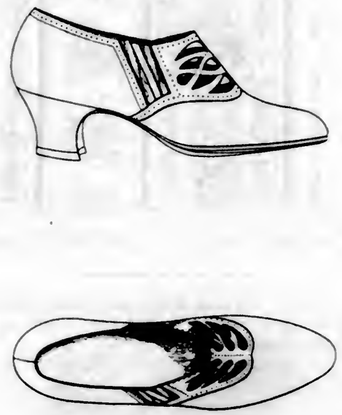
The ornamental design for a jar as shown.

70,359. BOTTLE. JEROME P. CURRAN, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 8, 1924. Serial No. 11,619. Term of patent 14 years.



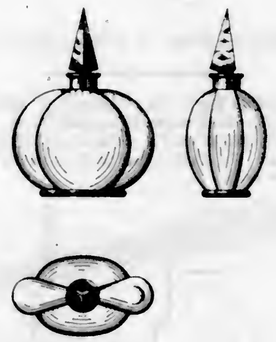
The ornamental design for a bottle, substantially as shown.

70,360. SHOE OR SIMILAR ARTICLE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 12, 1926. Serial No. 16,030. Term of patent 3½ years.



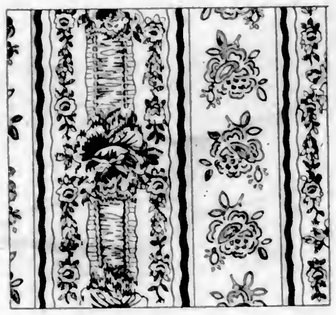
The ornamental design for a shoe or similar article, as shown.

70,361. BOTTLE. PIERRE BESANCON DE WAGNER, Paris, France. Filed Feb. 25, 1926. Serial No. 16,658. Term of patent 7 years.



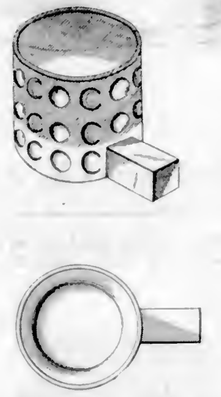
The ornamental design for a bottle substantially as shown.

70,362. TEXTILE FABRIC. CARL EDLICH, Delawanna, N. J., assignor to Elias Reiss and Company, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1926. Serial No. 17,465. Term of patent 3½ years.



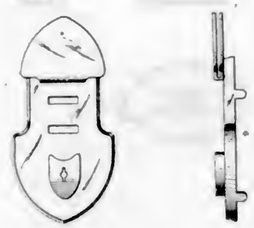
The ornamental design for textile fabric, as shown.

70,363. CUP. WILLIAM G. FLINT, Colton, Calif. Filed Sept. 8, 1925. Serial No. 14,729. Term of patent 14 years.



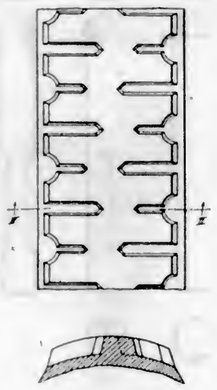
The ornamental design for a cup as shown.

70,364. LOCK FOR SUITCASES OR SIMILAR ARTICLES. AUGUST GOERTZ, Newark, N. J., assignor to August Goertz & Co., a Corporation of New Jersey. Filed Mar. 19, 1926. Serial No. 16,984. Term of patent 14 years.



The ornamental design for a lock for suitcases or similar articles, as shown.

70,365. VEHICLE TIRE TREAD. TULLY GRAYBILL and REGINALD H. WATERS, Cumberland, Md., assignors to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Apr. 8, 1925. Serial No. 13,057. Term of patent 14 years.

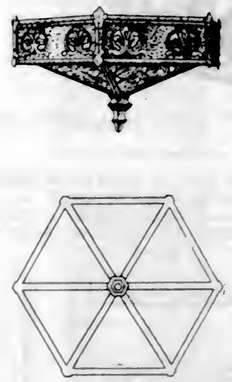


The ornamental design for a vehicle tire tread as shown.

70,366. GOBLET. FRANK D. GREENAN, Moundsville, W. Va., assignor to Fostoria Glass Co., Moundsville, W. Va., a Corporation of West Virginia. Filed Mar. 30, 1926. Serial No. 17,120. Term of patent 14 years.

The ornamental design for a goblet, as shown.

70,367. LIGHTING-FIXTURE BODY OR ANALOGOUS ARTICLE. THEODORE HOLZHALB, Brooklyn, N. Y., assignor to The Segar Studios Inc., a Corporation of New York. Filed Apr. 5, 1926. Serial No. 17,184. Term of patent 7 years.

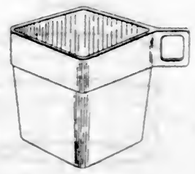


The ornamental design for a lighting fixture body or analogous article substantially as shown.

70,368. FIGURE TOY. HARRY HOUDINI, New York, N. Y. Filed Apr 1, 1926. Serial No. 17,149. Term of patent 14 years.

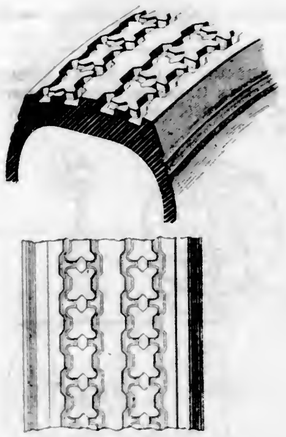
The ornamental design for a figure toy as shown.

70,369. CUP. ROBERT CRAWFORD JOHNSON, Leicester, England, assignor to Cube Teapots Limited, Leicester, England. Filed Oct. 26, 1925, Serial No. 15,259, and in Great Britain Sept. 24, 1925. Term of patent 14 years.



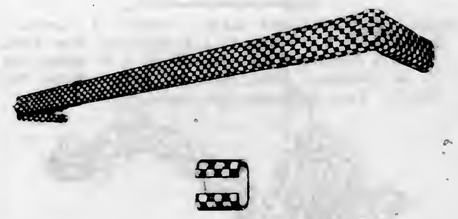
The ornamental design for a cup as shown.

70,370. TIRE. ALEY E. JONES, Cuyahoga Falls, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Mar. 26, 1926. Serial No. 17,065. Term of patent 14 years.



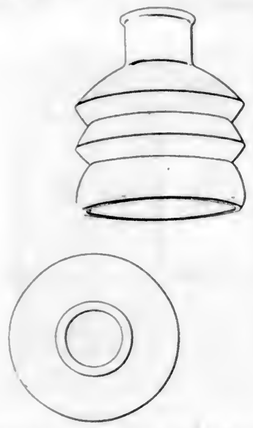
The ornamental design for a tire substantially as shown.

70,371. CURTAIN ROD OR SIMILAR ARTICLE. CHARLES W. KIRSCH, Sturgis, Mich. Filed July 9, 1925. Serial No. 14,035. Term of patent 14 years.



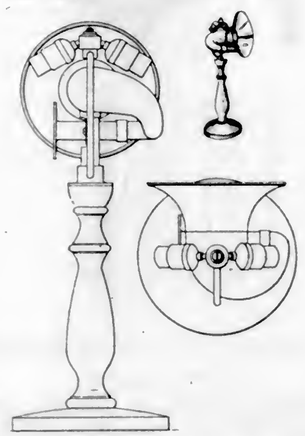
The ornamental design for a curtain rod or similar article as shown.

70,372. REFLECTOR. NIELS LANG, Cleveland, Ohio. Filed Feb. 12, 1925. Serial No. 12,352. Term of patent 7 years.



The ornamental design for a reflector substantially as shown.

70,373. COMBINED RADIO LOUD SPEAKER AND LAMP. WILLIAM H. LESLIE, Toronto, Ontario, Canada. Filed Aug. 20, 1925. Serial No. 14,530. Term of patent 3½ years.



The ornamental design for a combined radio loud speaker and lamp, as shown.

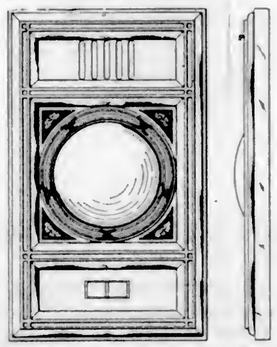
70,374. BRIDGE-LAMP ARM. NATHAN A. LEVITAN, Brooklyn, N. Y., assignor to J. J. Braze Co., New York, N. Y., a Copartnership composed of J. J. Braze and N. A. Levitan. Filed Apr. 16, 1926. Serial No. 17,316. Term of patent 3½ years.

The ornamental design for a bridge lamp arm, as shown.

70,375. BRIDGE-LAMP ARM. NATHAN A. LEVITAN, Brooklyn, N. Y., assignor to J. J. Braze Co., New York, N. Y., a Copartnership composed of J. J. Braze and N. A. Levitan. Filed Apr. 21, 1926. Serial No. 17,366. Term of patent 3½ years.

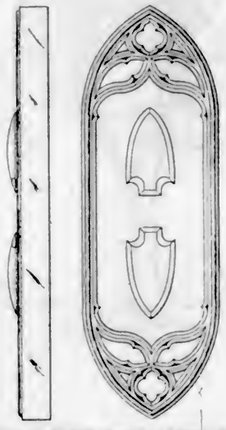
The ornamental design for a bridge lamp arm, as shown.

70,376. CASING FOR AN ELEVATOR SIGNAL. KENNETH D. LIGHTHIPE, East Orange, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Apr. 12, 1926. Serial No. 17,249. Term of patent 7 years.



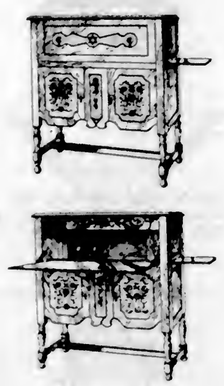
The ornamental design for a casing for an elevator signal as shown.

70,377. CASING FOR AN ELEVATOR SIGNAL. KENNETH D. LIGHTHIPE, East Orange, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Apr. 14, 1926. Serial No. 17,291. Term of patent 7 years.



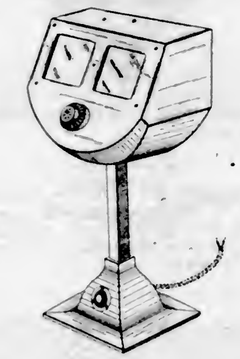
The ornamental design for a casing for an elevator signal as shown.

70,378. RADIOCABINET. PAUL MAKRAY, Chicago, Ill. Filed Mar. 12, 1926. Serial No. 16,895. Term of patent 7 years.



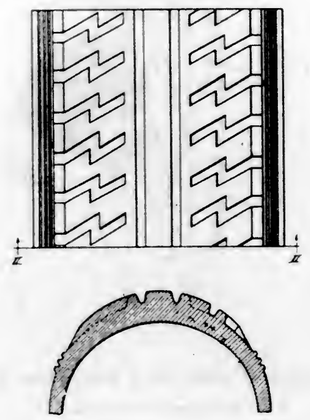
The ornamental design for a radiocabinet, as shown.

70,379. CIGAR LIGHTER. RUSSELL T. MANNING, Minneapolis, Minn. Filed Feb. 25, 1926. Serial No. 16,666. Term of patent 7 years.



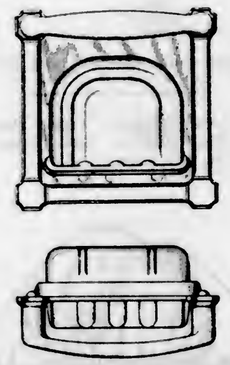
The ornamental design for a cigar lighter, as shown.

70,380. VEHICLE TIRE. THOMAS C. MARSHALL, Mount Savage, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Apr. 28, 1925. Serial No. 13,246. Term of patent 14 years.



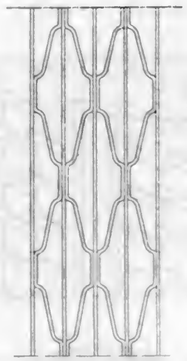
The ornamental design for a vehicle tire as shown.

70,381. SOAP HOLDER. ALBERT K. MATTHEWS, Chicago, Ill. Filed Apr. 7, 1926. Serial No. 17,202. Term of patent 7 years.



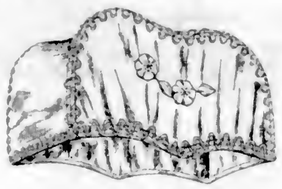
The ornamental design for a soap holder, as shown.

70,382. FLOOR GRATING. PAUL LEON PRICE, Mount Vernon, N. Y., assignor to Irving Iron Works Company, Long Island City, N. Y., a Corporation of New York. Filed Jan. 9, 1922. Serial No. 120. Term of patent 14 years.



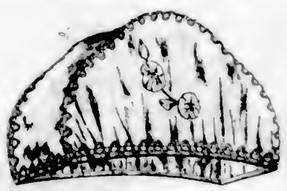
The ornamental design for a floor grating, as shown.

70,383. BED-LAMP SHADE. HARRY ROGOVIN, Brooklyn, N. Y. Filed Apr. 14, 1926. Serial No. 17,299. Term of patent 3½ years.



The ornamental design for a bed-lamp shade as shown.

70,384. BED-LAMP SHADE. HARRY ROGOVIN, Brooklyn, N. Y. Filed Apr. 14, 1926. Serial No. 17,300. Term of patent 3½ years.



The ornamental design for a bed-lamp shade as shown.

70,385. LANTERN OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Apr. 23, 1926. Serial No. 17,411. Term of patent 3½ years.

The ornamental design for a lantern or article of similar nature as shown.

70,386. LANTERN OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Apr. 23, 1926. Serial No. 17,412. Term of patent 3½ years.

The ornamental design for a lantern or article of similar nature as shown.

70,387. LANTERN OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Apr. 23, 1926. Serial No. 17,413. Term of patent 3½ years.

The ornamental design for a lantern or article of similar nature as shown.

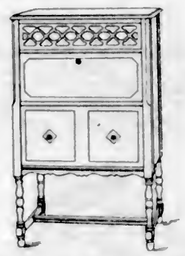
70,388. EMBROIDERED FABRIC. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace & Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1926. Serial No. 17,110. Term of patent 3½ years.

The ornamental design for embroidered fabric, as shown.

70,389. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 28, 1925. Serial No. 15,883. Term of patent 7 years.

The ornamental design for a radiator cap, substantially as shown.

70,390. CONSOLE RADIO CABINET. CHARLES B. SMITH, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 26, 1926. Serial No. 17,057. Term of patent 7 years.

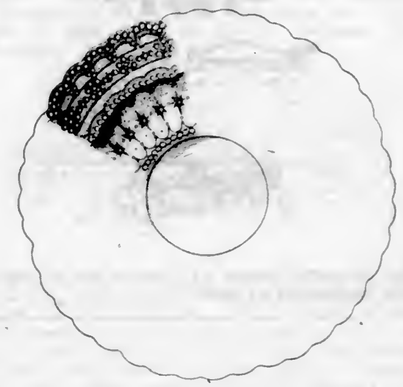


The ornamental design for a console radio cabinet substantially as shown.

70,391. BADGE OR SIMILAR ARTICLE. HOWARD A. THAM and THOMAS RALPH RIDLEY, Akron, Ohio. Filed Apr. 16, 1925. Serial No. 13,141. Term of patent 14 years.

The ornamental design for a badge or similar article as shown.

70,392. PLATE OR SIMILAR ARTICLE. SIDNEY E. THOMPSON, West Englewood, N. J., assignor to Copeland & Thompson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 23, 1925. Serial No. 12,845. Term of patent 3½ years.

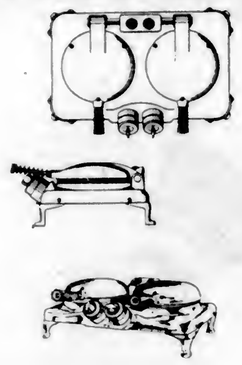


The ornamental design for a plate or similar article, as shown.

70,393. GEM. EDWARD L. WEED, Providence, R. I., assignor to Potter & Buffington Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 10, 1926. Serial No. 17,241. Term of patent 3½ years.

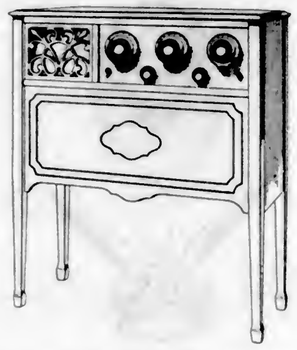
The ornamental design for a gem, substantially as shown and described.

70,394. WAFFLE IRON OR SIMILAR ARTICLE. GEORGE F. WELLS, San Francisco, Calif. Filed Feb. 10, 1926. Serial No. 16,472. Term of patent 14 years.



The ornamental design for a waffle iron or similar article substantially as shown.

70,395. RADIOCABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Apr. 5, 1926. Serial No. 17,182. Term of patent 7 years.

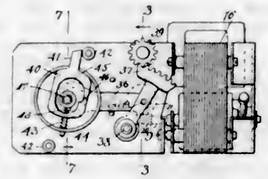


The ornamental design for a radiocabinet, substantially as shown.

PATENTS

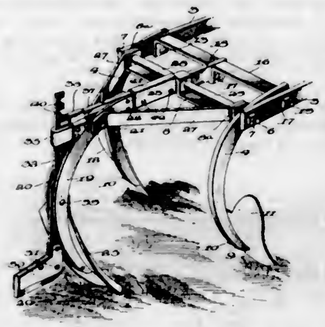
GRANTED JUNE 15, 1926.

1,588,399. MOTOR-OPERATED WINDSHIELD CLEANER. RAYMOND ANDERSON, Cleveland, Ohio. Filed May 21, 1923. Serial No. 640,342. 4 Claims. (Cl. 74—14.)



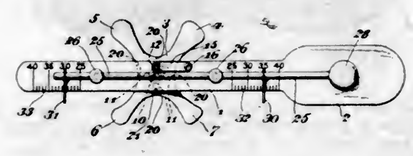
1. In a motor operated windshield cleaner, an oscillatory member, a rotary motor, an energy storing shaft, reduction gearing between said motor and the shaft, a spring for shifting the oscillatory member and adapted to be wound up by said shaft, a device connected to the spring and to the oscillatory member for swinging the latter, and means for releasing said device at intervals and permitting a predetermined movement at each release.

1,588,400. COMBINATION MIDDLEBREAKER AND CULTIVATOR ATTACHMENT FOR PLANTERS OR FERTILIZER DISTRIBUTORS. JESSE BAREFIELD DREW, Hollandale, Miss. Filed Mar. 10, 1925. Serial No. 14,508. 7 Claims. (Cl. 97—179.)



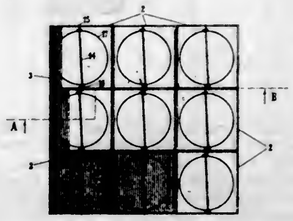
1. An attachment for a planter having a pair of spaced side beams, said attachment comprising a pair of side blades, and a third blade, a standard for each of said blades, a cross rod adapted to be secured to said spaced side beams of the planter, the standards for said first named blades having openings through which said cross rod extends, means connecting the standards for said first named blades to said side beams to prevent swinging of said standards about the axis of said cross rod, a center beam having an opening through which said cross rod extends, means holding said center beam horizontal midway between the side beams of the planter, means connecting the standard for said third blade to said center beam, and adjustable means for raising and lowering said center beam and the parts associated therewith.

1,588,401. DEVICE FOR LOCATING THE OPTICAL CENTERS OF EYES. IVAN FOX, Media, Pa. Filed May 21, 1925. Serial No. 31,777. 6 Claims. (Cl. 33—200.)



1. A device for ascertaining and measuring the distances of the optical centers of eyes from a medial plane through the nose, comprising, in combination, a relatively narrow plate having scales formed thereon, a rotatable member mounted on said plate intermediate said scales, said member having a plurality of saddle seats formed thereon, pointers adapted to cooperate with said scales, and means movably supporting said pointers upon said plate.

1,588,402. FILTERING APPARATUS. THEODOR FRÖHLICH, Berlin, Germany, assignor to Deutsche Luftfilter Baugesellschaft mit beschränkter Haftung, Berlin, Germany, a Firm. Filed Sept. 23, 1921, Serial No. 502,725, and in Germany Sept. 23, 1920. 9 Claims. (Cl. 183—75.)

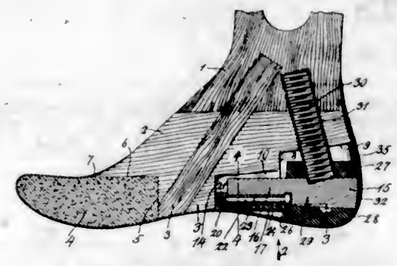


1. A filter comprising a plurality of rigid incombustible members, each consisting of successively recurrent walls, having in the alternate faces an opening, and several of said members having an extension at the ends thereof extending laterally of the adjacent member for disposing adjacent members into juxtaposition, the said openings guiding the fluid in a predetermined manner.

1,588,403. ARTIFICIAL FOOT. ARTHUR E. GAINES, Denver, Colo. Filed May 23, 1925. Serial No. 32,843. 5 Claims. (Cl. 3—6.)

1. An artificial foot comprising, in combination, a body member having portions corresponding with the ankle and fore part of a foot, said body member having a cut out portion for the reception of a heel member, a heel member located in said cut out, means for securing said heel member in place, said means permitting the heel to oscillate about transverse and longitudinal axes, the for-

mer of which is stationary with respect to both the ankle and toe portion of the body member and the latter of which may oscillate about the former and means



comprising a spring and a stop for normally holding the heel in a predetermined position and for permitting it to yield upwardly when weight is applied thereto.

1,588,404. TOY PISTOL. WILLIAM F. GEHRIG, Berkeley Heights, N. J. Filed Aug. 18, 1924. Serial No. 732,713. 13 Claims. (Cl. 42—57.)

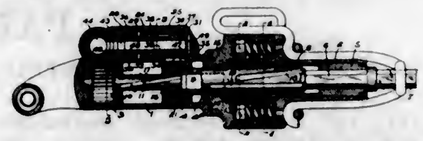
4. A toy-pistol comprising a pair of casing-members secured together to provide a chamber, a pivot-post extending from one of said casing members, a trigger-member mounted upon said post, said trigger-member comprising a fingerpiece and an actuating arm, a yoke-shaped push-member oscillatorily connected with said actuating arm, a stop-lug extending from one of said casing-members with which the said push-member is normally in engagement, and a spring for controlling said trigger-member.

13. In a toy-pistol, a pivoted hammer-arm provided with a hole, and a lift-plate, said lift-plate having a flanged portion in embracing relation with a marginal edge-portion of the hammer-arm, and provided with a tongue extending into the hole of said hammer-arm, all for securing said lift-plate in a fixed position to said hammer-arm.

1,588,405. PROCESS OF REFINING OILS AND FATS. FRANK CURTIS GEPHART, New York, N. Y., assignor to Cocoa Products Company of America, Incorporated, Long Island City, N. Y., a Corporation of Delaware. Filed May 11, 1923. Serial No. 638,404. 6 Claims. (Cl. 87—12.)

2. The step in the process of refining oils and fats, which comprises heating the oil or fat with willow carbon and infusorial earth.

1,588,406. DRILLING MACHINE. GEORGE H. GILMAN, Boston, Mass. Filed Apr. 30, 1920. Serial No. 377,763. 11 Claims. (Cl. 121—7.)

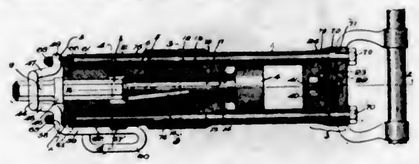


1. In a hammer rock drill, a casing, a chuck rotatably mounted in said casing, a hammer piston in said casing having a hammer bar, a rifle bar having a helical groove and lug connection with said piston and ratchet connection with said casing, a ring surrounding said hammer bar and having a ratchet connection with said casing; lug and groove connections between said hammer bar and ring hammer bar and chuck, one of which grooves is helical and the other parallel to the axis of said chuck; and the direction of rotation of said rifle bar and ring permitted by the respective ratchets and the pitch of said helical grooves being such as to enforce rotation of said chuck for each direction of reciprocation of said piston.

1,588,407. DRILLING MACHINE. GEORGE H. GILMAN, Boston, Mass. Filed June 5, 1920. Serial No. 386,868. 14 Claims. (Cl. 121—6.)

1. In a drilling machine, a cylinder, a piston in said cylinder, a chuck, a plurality of rifle bars cooperating with said piston, separate means connecting said piston to said rifle bars and chuck, at least two of said separate means providing an oblique cam and a cooperating follower and means for reciprocating said piston, whereby said chuck is rotated through said connecting means during each direction of reciprocation of said piston.

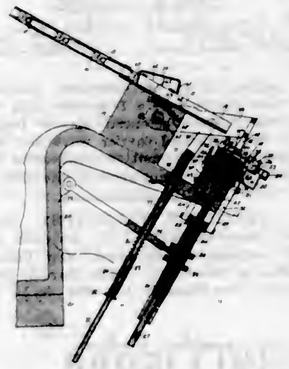
1,588,408. DRILLING MACHINE. GEORGE H. GILMAN, Boston, Mass. Filed Aug. 28, 1920. Serial No. 406,652. 13 Claims. (Cl. 121—7.)



1. A drilling machine having in combination, a casing, a hammer piston in said casing, a chuck mounted for rotation in said casing, means for rotating said piston on its strokes in one direction without enforcing rotation of said chuck and imparting the energy of such rotation to said chuck after completion of said strokes, and means causing said piston to enforce rotation of said chuck on its strokes in the opposite direction.

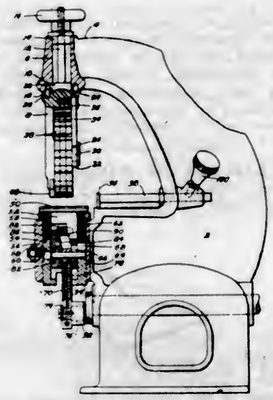
1,588,409. MACHINE FOR CARDING SAFETY PINS. HENRY M. GLEASON, Waterbury, Conn., assignor to Chase Companies, Waterbury, Conn., a Corporation. Filed July 27, 1922. Serial No. 577,875. 14 Claims. (Cl. 163—8.)

1. In a machine for carding safety pins, a series of inclined gravity feeding chutes to feed streams of longitudinally arranged safety pins, an oscillating feeding gate cooperating with said feed chutes and having separated feeding members extending into each of said chutes to intermittently separate a pin from each of said chutes, the upper feeding members of said gate being spring pressed into said chutes, a movable pin carrier mounted to reciprocate transversely of said chutes and having slots cooperating with said chutes and supporting the safety pins by their ends while leaving their midportion free, an oscillating presser device to periodically engage the midportions of the safety pins in said carrier



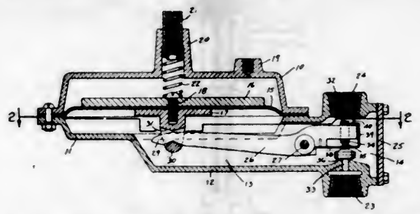
and facilitate their insertion into a slotted pin card supported below said carrier, loose operating connections between said presser device and said gate to periodically raise its upper feeding members and depress its lower feeding members into said chutes when said presser device approaches its extreme rise, and connected actuating means for said pin carrier and said presser device and comprising a rod connected to said presser device and loose connections to actuate said carrier in substantial unison with said presser device during the lower part of its movement.

1,588,410. STAMPING MACHINE. JOSEPH GOULDBOURN and FRANK BYCROFT KEALL, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 4, 1922, Serial No. 604,774, and in Great Britain Jan. 7, 1922. 11 Claims. (Cl. 101—18.)



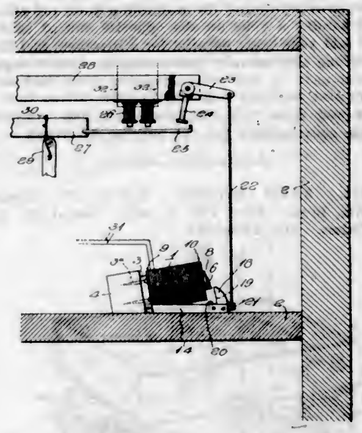
1. A stamping machine having, in combination, a frame, stamping dies carried by the frame, a work table, springs for causing relative movement of approach between the work table and the dies to clamp a piece of work yieldingly, and means for thereafter causing relative movement of the dies and the work table through a predetermined distance to effect an impression.

1,588,411. FLUID-PRESSURE REGULATOR. JACOB C. GROBLE, Anderson, Ind. Filed Feb. 15, 1926. Serial No. 88,359. 9 Claims. (Cl. 50—26.)



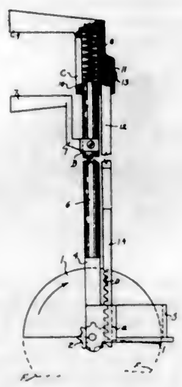
1. In a fluid pressure regulator, the combination with a housing embodying a diaphragm, of a lever member mounted in said housing, a valve member removably secured on one end thereof, a socket formed on one of said members and a cooperating head on the other member, and resilient means for normally maintaining said head and socket in engagement.

1,588,412. ELECTROMAGNETIC CONTROL DEVICE. JOHN H. HANKEY, Hagerstown, Md., assignor to The W. H. Reisner Mfg. Company, Hagerstown, Md., a Corporation of Maryland. Filed Jan. 7, 1926. Serial No. 79,905. 4 Claims. (Cl. 175—336.)



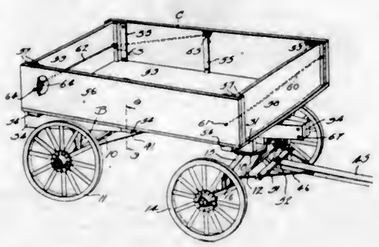
1. An electromagnetic control device comprising in combination a base plate of magnetic material, a pair of core members extending from said base plate, electromagnetic windings disposed on said core members, each of said core members having arcuate shaped pole tips at the extremities thereof, a pair of arms of magnetic material pivotally mounted in said base plate on opposite sides of said electromagnetic windings, an armature carried by the extremities of said arms and having a portion thereof extending in an arc having substantially the same radius as the radius of the pole tips of said core members, whereby said armature may be moved from a position remote from said pole tips to a position substantially overlapping said pole tips for establishing a magnetic circuitous path of minimum length when said electromagnetic windings are energized.

1,588,413. ICE-CREAM DIPPER. HENRY A. HARDY, Topeka, Kans. Filed Mar. 6, 1925. Serial No. 13,451. 3 Claims. (Cl. 107—48.)



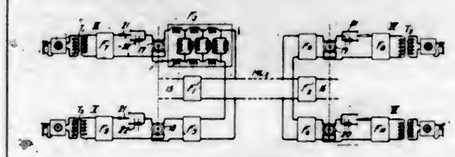
2. In ice cream dippers, a rod having a yoke, on one end, a stop integral with said yoke, a circular scraper having both ends rigidly attached to said yoke, the ends of said scraper functioning as bearings, a hemispherical cup, gears mounted on the axis of said cup, and rigid thereto, and pivotedly engaging on said scraper bearings, a handle having a socket engaging on the end of said rod, a handle on said rod, a spring positioned in said socket as a rebound for said rod, a push rod attached to said handle, a yoke on the opposite end of said rod, ends of said yoke being parallel for a distance, and having teeth on one side thereof functioning as a rack engaging with said gear, a slot communicating with said socket, a pin in first said rod engaging in said slot so that said handles and rods will reciprocate for the rotation of said cup, substantially for the purpose described.

1,588,414. FARM WAGON. HARVEY N. HARRISON, Washta, Iowa. Filed Feb. 2, 1925. Serial No. 6,247. 10 Claims. (Cl. 280—80.)



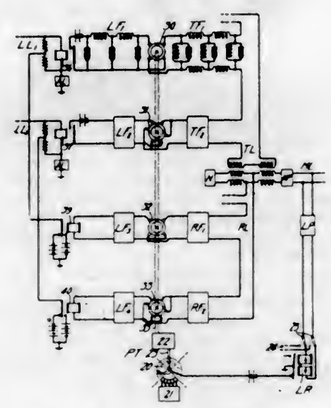
1. A farm wagon including a pair of stringers secured together at their forward ends and spaced substantially apart at their rear ends, a pillow block secured to each stringer and spaced from the forward end thereof, an upper fifth wheel ring secured to said pillow blocks by bolts extending through the periphery of the ring through the pillow blocks and through the stringers, a front axle assembly having a lower fifth wheel ring engaging said upper fifth wheel ring, and a rear axle assembly secured to the rear ends of the stringers.

1,588,415. PRODUCTION AND TRANSMISSION OF MODULATED WAVES. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1921. Serial No. 525,012. 25 Claims. (Cl. 179—15.)



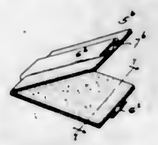
1. The method of carrier telephony comprising commutating voice currents at a frequency high in comparison with the highest essential speech frequencies to produce a voice-modulated carrier wave and filtering the wave to confine the transmitted frequencies within substantially the extreme frequencies of the side bands.

1,588,416. MULTIPLEX TELEGRAPHY. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 9, 1922. Serial No. 542,250. 30 Claims. (Cl. 178—50.)



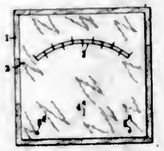
1. The method of telegraphy comprising subdividing direct current telegraph impulses and reversing the alternate subdivided portions to convert said current impulses into alternating current of definite frequency, transmitting said alternating current and reversing alternate portions of transmitted alternating current at a synchronous rate to reproduce said current impulses.

1,588,417. RAZOR-BLADE WIPER. JOHN W. HATHAWAY, Fort Humphreys, Va. Filed Dec. 23, 1925. Serial No. 77,246. 5 Claims. (Cl. 15—218.)



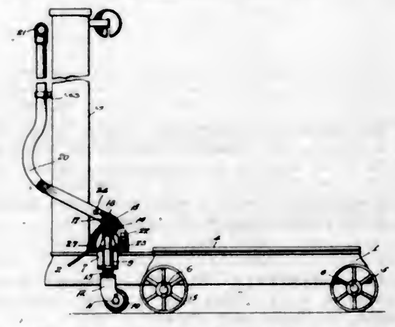
1. An article of the character described, bent to form a pair of divergent wings and comprising a strip of absorbent material and a backing strip of resilient material, the latter being provided with a continuous, longitudinally extending reinforcing web, bent therefrom.

1,588,418. DIAL FOR INDICATING DEVICES. OTTO W. HEISE, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1922. Serial No. 548,261. 3 Claims. (Cl. 116—129.)



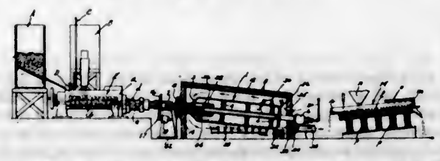
1. A composite blank for use in making dials comprising a piece of stiff sheet material of a size greater than that of the completed dial and constituting a back, and a piece of paper constituting the dial face secured to the back, said paper bearing photographically impressed scale indicia, the composite blank being provided with spaced positioning openings outside the limits of the completed dial for accurately positioning the blank during a subsequent trimming operation.

1,588,419. MOVING AND TURNING ATTACHMENT FOR PORTABLE PLATFORM SCALES. THOMAS F. HICKEY, Stillwater, N. Y. Filed Aug. 8, 1924. Serial No. 730,921. 2 Claims. (Cl. 280—46.)



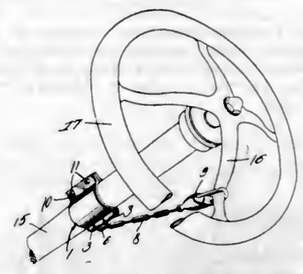
1. The combination with a portable platform scale, of a pair of steering wheel supports and wheels mounted thereby, said supports being carried by the scale and adapted to be raised to cause the said wheels to clear the floor, and to be lowered to cause the said wheels to engage the floor, a cross-bar connecting the steering wheel supports, releasable latching means adapted to engage the cross-bar to hold the supports in lowered position, spring means for raising the supports and the cross-bar, and a manually operable lever adapted to cooperate with the cross-bar to depress the supports.

1,588,420. PROCESS FOR UTILIZING LOW-GRADE IRON-ORE MATERIAL. HENRY H. HINDSHAW, Minneapolis, Minn., assignor to Hindshaw Engineering and Development Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 12, 1924. Serial No. 755,592. 9 Claims. (Cl. 75—17.)



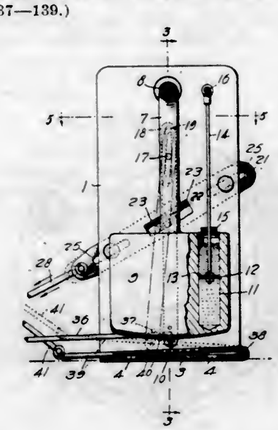
1. The process of rendering magnetic the non-magnetic compounds of iron in an ore material which consists in mixing said ore material in a crushed state with a substantially solid carbonaceous material and heating said mixture to a temperature between substantially 300 and 600 degress C. with a dearth of air whereby the iron ore in said material is converted into magnetic oxide by contact with the heated carbonaceous material and such reduced gases only as are generated by said contact.

1,588,421. AUTOMOBILE PROTECTOR. WALTER C. HOLLAND, Clifton, W. Va. Filed July 28, 1921. Serial No. 488,092. 1 Claim. (Cl. 70—129.)



A device for anchoring an element which is subjected to strong pull, the device comprising a body made up of trough-shaped members, one of which is provided with a pair of knuckles, the other of which is provided with a single knuckle located between the pair of knuckles, the adjacent ends of the knuckles being spaced apart, a pivot element passing through the knuckles and engaging the outer ends of two of the knuckles, and a U-shaped connector of less length than the trough-shaped members, the connector being provided at its ends with eyes located in the spaces between the knuckles and embracing the pivot element and engaging the adjacent ends of the knuckles, and means for securing the trough-shaped members together, against opening movement on the pivot element.

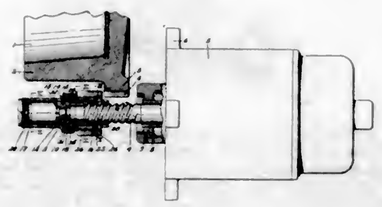
1,588,422. AUTOMATIC CONTROL FOR MOTOR VEHICLES. GEORGE M. HOWELL, Northumberland, Pa. Filed Mar. 24, 1926. Serial No. 97,078. 12 Claims. (Cl. 137—139.)



2. An automatic control for motor vehicles, comprising a pendulum, a rocking lever having a slidable connection with said pendulum, a rod for connecting said rocking lever with the throttle, and an adjustable fulcrum for said rocking lever whereby the throttle may be adjusted to varying positions to control the vehicle at different predetermined speed limits.

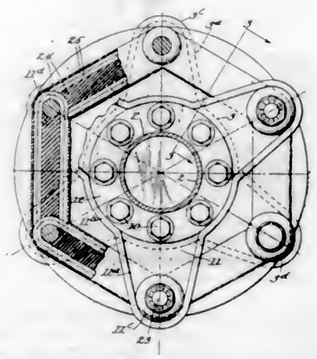
10. An automatic control for motor vehicles, comprising a frame, a pendulum pivotally supported in said frame, a rocking lever adjustably fulcrumed in said frame, and having a slidable connection with the pendulum, a rod for connecting said rocking lever with the throttle, means for adjusting the fulcrum of said rocking lever to position the throttle at different speed limits, a plate hinged to said frame, and manual means for moving said plate into engagement with the pendulum, to hold the pendulum stationary during the adjustment of the throttle.

1,588,423. ENGINE STARTER. ERNEST R. HUNTLEY, Los Angeles, Calif., assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 16, 1921. Serial No. 445,370. 8 Claims. (Cl. 74—7.)



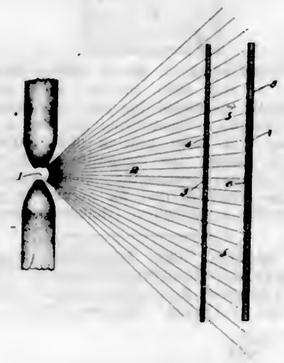
1. A starting device for engines comprising a motor having an extended shaft, a portion of which is screw threaded; a sleeve, closed at one end and cut with an internal screw thread at the other end, said sleeve having screw threaded engagement with the shaft; a plunger head fixed to the shaft end and adapted for sliding movement within the sleeve; means associated with the sleeve operative to hinder movement of the plunger head within the cylinder; and a pinion mounted on the sleeve.

1,588,424. FLEXIBLE COUPLING. STEPHEN JENCICK, Chagrin Falls, Ohio. Filed Apr. 11, 1921. Serial No. 460,450. 17 Claims. (Cl. 64—96.)



2. A coupling member, comprising a disc of flexible material provided with bolt holes through said disc, and looped re-enforcing strands extending between and about said bolt holes.

1,588,425. PROCESS OF MAKING A CONTACT TRANSFER PRINTING SURFACE BY COMPLEMENTARY LIGHT. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed July 25, 1919. Serial No. 313,240. 16 Claims. (Cl. 95—73.)

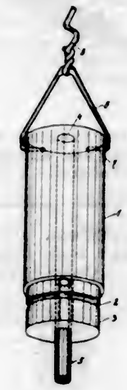


1. The process of photographic printing which consists in exposing the sensitized emulsion on which the print is to be made to a photographic printing light which is complementary in color to the natural color of said sensitized emulsion in order to limit the penetration of the printing rays in the emulsion.

1,588,426. BASEBALL GLOVE. JOSEPH KABAT, Gloversville, N. Y. Filed Aug. 1, 1924. Serial No. 729,530. 1 Claim. (Cl. 2—19.)

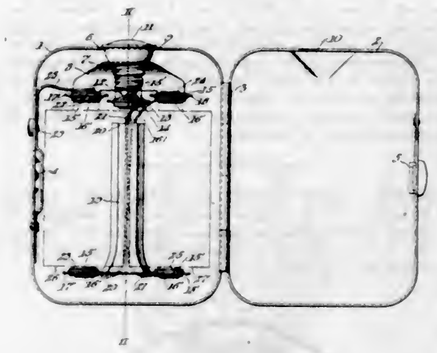
In a base ball glove, a trank of a single piece of material for forming the front of the palm, fingers and thumb including a body having finger, thumb and tab portions, there being one thumb portion, one tab portion, and a plurality of finger portions projecting from the body, the thumb portion extending at an acute angle to the index finger portion, the tab portion being V-shaped and extending to bisect the angle between the thumb and index finger portions.

1,588,427. SAFETY DEVICE FOR EXPLOSIVE CARTRIDGES. EDMUND KAROLLUS, Vienna, Austria. Filed Sept. 17, 1924, Serial No. 738,240, and in Austria Sept. 28, 1923. 6 Claims. (Cl. 102—5.)



1. A safety device for explosive cartridges comprising in combination a detonating cap, a plug provided with a longitudinally extending hole of such a cross section as to receive and hold the detonating cap by friction, and a pulling member attached to the plug.

1,588,428. FLASH LIGHT. LEE J. VOORHEES, Binghamton, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,882. 11 Claims. (Cl. 240—10.5.)

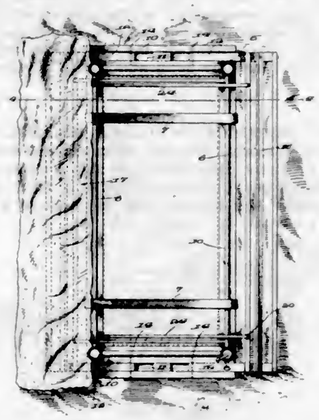


1. In a portable battery-operated electric lamp, the combination of an incandescent lamp, a casing carrying said lamp, a plurality of separate electric cells, and means permanently secured in said casing for supporting said cells upright in side by side relation within said casing and for connecting said cells in series circuit wth one another and said lamp, said means comprising upper and lower resilient members extending inwardly from the lateral wall of a casing and adapted to receive said cells similarly inserted therebetween.

1,588,429. METHOD OF MAKING ARTIFICIAL CANE. ALBERT J. WACHSMUTH, Muskegon, Mich. Filed June 13, 1921. Serial No. 476,984. 4 Claims. (Cl. 154—40.)

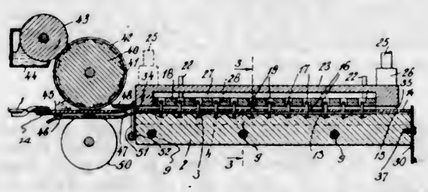
1. The herein described process of making artificial cane or the like, which consists in coating a strip of paper with cementing material and thereafter folding and refolding the strip longitudinally between its edges to make a plurality of overlying laminations of paper, substantially as described.

1,588,430. GRAVE COVERING. ROSS H. WAKEMAN, Bradentown, Fla. Filed Sept. 3, 1925. Serial No. 54,351. 8 Claims. (Cl. 27—30.)



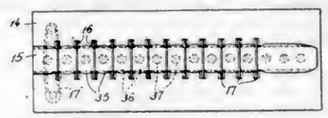
1. The combination with a casket lowering device having rotatable strap supporting bars, of straps trained about said bars, and collapsible grave covers having detachable connection with said straps and adapted to be opened by said straps.

1,588,431. APPARATUS FOR CARDING SAFETY PINS. ERNEST H. WEBB, New Brunswick, N. J., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 19, 1924. Serial No. 700,209. 6 Claims. (Cl. 163—8.)



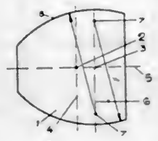
6. The apparatus for carding safety pins or similar articles, comprising a card holder to hold a slotted card, means to insert a series of articles into said slots from the front of said card, gumming devices to apply separated portions of adhesive to a paper retainer member, and means to insert said retainer member between the card back and the inserted articles.

1,588,432. PACKAGE OF SAFETY PINS, ETC. ERNEST H. WEBB, New Brunswick, N. J., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 11, 1924. Serial No. 705,823. 5 Claims. (Cl. 206—66.)



2. As a new article of manufacture, a package of safety pins, comprising a card formed with a series of spaced pin-slots shorter than the pins to be installed, safety pins so installed in the said slots that a portion of each pin projects from the back of the card, and a breakable pin-retainer strip inserted between the back of the card and those portions of the pins projecting therethrough, one of the two paper elements having spaced integral conformations corresponding to the spacing of the said slots and interposed between the pins therein to prevent the endwise displacement of the strip with respect to the card and hence the accidental escape of any of the pins.

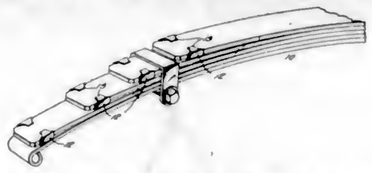
1,588,433. ANTIFRICTION ROLLER BEARING. ERNST HJALMAR WALODDI WEIBULL, Gottenborg, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Filed Jan. 22, 1921, Serial No. 439,199, and in England Feb. 11, 1920. 1 Claim. (Cl. 308—215.)



A self adjusting roller for roller bearings, in which the centre of gravity does not coincide with the geometrical centre, and in which the radius of curvature of the axial generatrix of the working surface is longer than the radius of the largest circumference of the roller taken in a plane perpendicular to the axis of rotation of the roller and through the geometrical center of the roller, the moment of inertia in consideration of the normal axis of rotation of said roller being at least as large as the moment of inertia in consideration of an axis in a plane perpendicular to the axis of rotation and through the geometrical centre, or in other words, at least as large as the moment of inertia in consideration of an axis in a plane perpendicular to the axis of rotation and through the centre of gravity of the roller increased by the product of the mass of the roller and the square of the distance between the centre of gravity and the said geometrical centre of the roller.

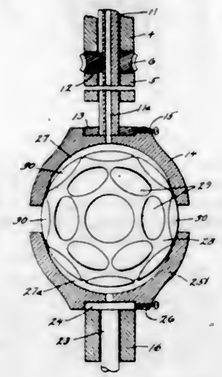
1,588,434. ANTIFRICTION DEVICE FOR SPRINGS. EUGENE G. ACKERMAN and CHARLES F. ERNST, Buffalo, N. Y.; said Ackerman assignor to Arthur G. Ernst, Buffalo, N. Y. Filed May 6, 1922. Serial No. 558,992. 2 Claims. (Cl. 267—49.)

1. A roller bearing for leaf springs comprising a one-piece sheet metal roller retainer secured to the spring and having a body portion extending between adjacent leaves thereof, said body portion having a slot, a roller arranged in said slot and forming a bearing for the opposed faces of said adjacent leaves, an integral securing portion at each end of said body member which is perpendicular thereto and is adapted to engage the side edges of one of said leaves, the ends of said securing portions being adapted to be bent over to engage the



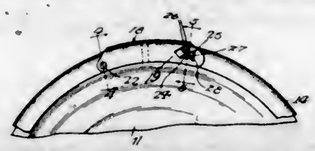
outer face of said leaf to rigidly maintain said bearing on the spring with the body member out of contact with the adjacent spring leaf face.

1,588,435. LENS-GRINDING APPARATUS. CHARLES A. ADAMS, Davenport, Iowa. Filed Dec. 31, 1923. Serial No. 683,694. 6 Claims. (Cl. 51—117.)



6. A device of the character described comprising a pair of opposed lens grinding tools having recesses formed therein, a blocker having lens receiving spots formed around its surface, said blocker adapted to be received in the recesses of the opposed tools, means for securing the lenses in the spots in the blocker, and means for rotating the tools in opposite directions, the rotation of the tools causing the blocker to be rotated within the recesses relative to the tools.

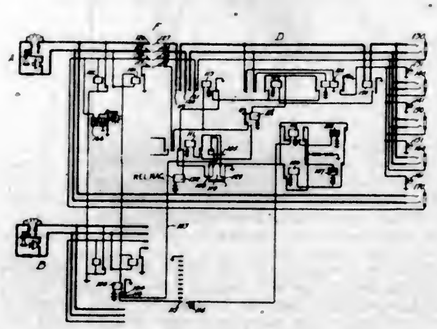
1,588,436. LENS MOUNTING FOR LAMP CASES. ERNST G. K. ANDERSON, Evanston, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 29, 1921. Serial No. 511,481. 5 Claims. (Cl. 240—41.)



1. An open resilient ring adapted to encircle, and radially inwardly flanged to embrace, the margins of two marginally overlying parts to hold them one on the other, and a clasp having a radial flange and hinged at its flange to the radial flange at one end of said ring and adapted to close over and embrace at its flange the flange of the other end of said ring, said clasp and the latter end of the ring being provided at corresponding side over-

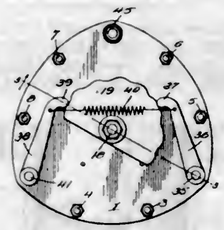
lying flanges, radially inwardly beyond the circumferential periphery of the ring with detachable interlocking members to lock said ring closed at said overlying parts, said interlocking members comprising a spur on the ring flange and a plurality of openings in the clasp flange.

1,588,437. TELEPHONE SYSTEM. RAND S. BAILEY, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 23, 1923. Serial No. 676,610. 4 Claims. (Cl. 179—27.)



1. In a telephone system, a telephone exchange, a link circuit terminating therein in a plurality of multiple jacks, a plurality of telephone lines, a two-movement line finder actuated in response to the initiation of a call on one of said lines to connect the calling line to said link circuit, a relay operated in response to the connection of the calling line to said link circuit for maintaining said line finder in its operated position, and means responsive to the seizure of said link circuit at said telephone exchange for deenergizing said relay and maintaining said line finder in its operated position.

1,588,438. METHOD AND APPARATUS FOR SELECTIVE ELECTRICAL TUNING. HAROLD N. BLISS, Ithaca, N. Y. Filed Nov. 4, 1924. Serial No. 747,846. 13 Claims. (Cl. 250—41.)

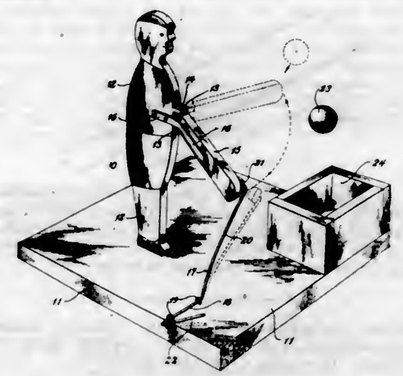


1. A variable condenser, comprising a rotatable shaft, a capacity area carried by said shaft and having a plurality of co-extensive plate portions projecting from said shaft, a plurality of stator shafts positioned adjacent said rotatable shaft and carrying capacity areas thereon in such position that said co-extensive plate portions projecting from said shaft may be moved to over-lie in varying degrees, said capacity areas forming said stators, and means for angularly rocking each of said last mentioned capacity areas simultaneously with and in proportion to the rotary movement of said co-extensive plate portions.

1,588,439. SULPHUR PHENOL RESINS AND PROCESS OF MAKING SAME. ALEXANDER BLUMFELDT, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 31, 1923, Serial No. 654,930, and in Switzerland Sept. 1, 1922. 8 Claims. (Cl. 260—20.)

7. As new products the herein described acylated sulphur hydroxy aromatic resins which are from yellow to dark brown in appearance, and are insoluble in alcohol, alkali, and aliphatic hydrocarbons, but soluble in halogenated hydrocarbons, such as, chloroform, ethlyene chloride, and the like, as well as in hydroaromatic hydrocarbons, furthermore, in acetone and mixtures of aliphatic and aromatic hydrocarbons with halogenated and with hydroaromatic hydrocarbons, in mixtures of acetone with solvents having in themselves no dissolving power, such as alcohol, and which, by employing certain solvents such as benzyl alcohol, cyclohexanol, and the like, dissolve in linseed oil, and which possess great resistance against physical and chemical influences.

1,588,440. TOY FIGURE. GEORGE BOOSEY, Newport, R. I. Filed Mar. 29, 1924. Serial No. 702,953. 1 Claim. (Cl. 273—88.)

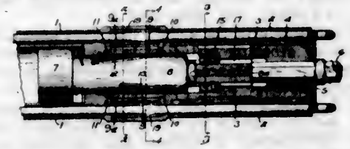


A toy comprising a base, a figure rising therefrom and having ears, a bat pivotally supported thereby and disposed at right angles to said figure, a flat spring secured to said figure parallel to said bat and engaging the back thereof to normally force the same in a forward direction and means for holding said bat in a retracted position against the tension of said spring, said means comprising a length of relatively heavy wire, a central portion thereof lying parallel to the base upon which the same is rotatably mounted and having upwardly bent relatively long and short arms respectively constituting said bat holding means and a manually operable handle for moving said first mentioned arm out of the path of movement of said bat to allow said spring to swing the bat in a forward direction.

1,588,441. DRILLING MACHINE. HAROLD L. BROWNE, Houghton, Mich., assignor to George H. Gilman, Boston, Mass. Filed May 18, 1920. Serial No. 382,243. 28 Claims. (Cl. 121—7.)

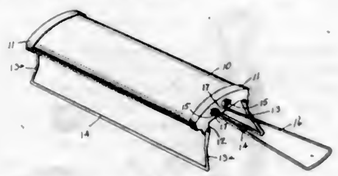
1. In a hammer rock drill, a casing having a forward chamber and a rearward chamber separated from said forward chamber by an axially perforated wall, a chuck mounted for rotation in said forward chamber, a hammer piston having a head mounted for reciprocation and rotation in said rearward chamber, said piston having a bar extending through the axial perforation of said wall, said chuck having a rearward socket into which said bar extends, a pair of rings in said wall and surrounding

said bar, separate intermittent grip devices for said rings permitting them to rotate in one and the same direction only, a pair of helical grooves on said bar, the grooves of said pair having the same pitch but in opposite direc-



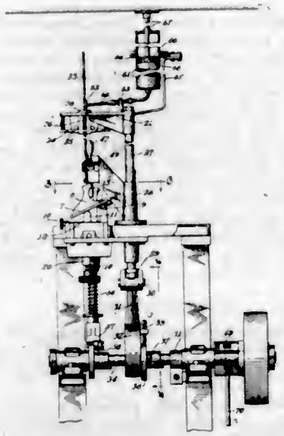
tions, a lug on one ring entering one helical groove and a lug on the other ring entering the other helical groove, a straight groove on the portion of said bar entering said rearward socket of said chuck, and a lug on said chuck entering said straight groove.

1,588,442. FRAME CONSTRUCTION FOR MAGNIFYING GLASSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Franklin Optical Company, Indianapolis, Ind., a Corporation. Filed Jan. 20, 1923. Serial No. 613,848. 4 Claims. (Cl. 88—39.)



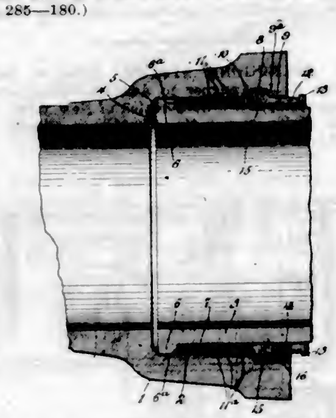
1. An elongated reading glass, and longitudinally-extending leg supporting means pivotally attached to each lateral edge of said glass so as to fold against the underside of the glass when not in use and to rest upon the surface to be read when the glass is in use.

1,588,443. DOWELING MACHINE. JOSEPH BURGER, Richmond Hill, N. Y. Filed July 10, 1923. Serial No. 650,599. 10 Claims. (Cl. 144—31.)



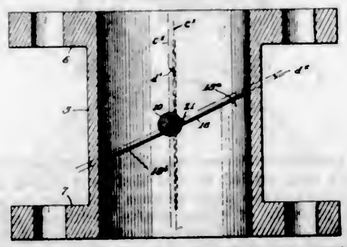
1. In a machine of the character disclosed, a reciprocating head, a one-way rod engaging clutch carried by said head, an adhesive reservoir carried by said head and having a supply passage extending to the clutch and a work rest for positioning the work to receive a dowel rod advanced by the clutch.

1,588,444. PIPE JOINT. HARRY Y. CARSON, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a Corporation of Georgia. Filed Aug. 18, 1922. Serial No. 582,724. 7 Claims. (Cl. 285—180.)



1. In a pipe joint of the class described, including coacting bell and spigot ends of two adjacent pipe sections, a radially disposed outstanding bead formed on the terminal of the spigot end, said bell end being provided with a socket terminating in an inner, annular shoulder, said socket being adapted to receive the bead on the spigot and said bead having its peripheral edge loosely contacting with the wall of the socket to slide longitudinally along the same, an annular chamber provided in the socket in spaced relation to the end of the bell to provide an outer overhanging flange, a portion of which is cut-away to form an entrance opening, a removable locking ring surrounding the spigot at the mouth of the socket and formed in independent sections, said sections having circumferentially-alined flanges and adapted to be passed through said entrance opening and received and held in said chamber by the engagement of the flanges of the ring sections with the overhanging flanges of the chamber, and a flexible packing disposed around the spigot and within the socket and contacting with the inner wall of the bead on the spigot and also with said locking ring, whereby the pressure of the fluid in the pipe acts upon the rear end of the spigot and the bead to uniformly compress the packing.

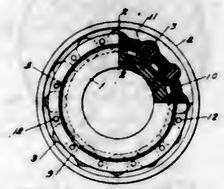
1,588,445. MEANS FOR CONTROLLING THE FLOW OF MIXTURE TO INTERNAL-COMBUSTION ENGINES. AQUILA D. CHANDLER, Chicago, Ill. Filed May 14, 1925. Serial No. 30,258. 4 Claims. (Cl. 251—11.)



1. In a device of the class described, the combination of a fluid passageway, a butter-fly valve therein, and pivotal means for said valve having its axis offset from the center line of said passage way and affording a pivotal center located closer to one end of said valve than to the other when said valve is substantially closed,

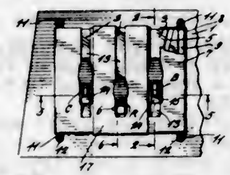
said pivotal means disposing said valve in a plane substantially coincident with the axial center line of said passageway when said valve is open.

1,588,446. ROLLER BEARING. CHARLES W. CHISHOLM, East Orange, N. J., assignor to Orange Bearing Company, Orange, N. J., a Corporation of New Jersey. Filed Jan. 5, 1923. Serial No. 610,762. 2 Claims. (Cl. 308—218.)



1. A cage for tapered roller bearings comprising a body portion consisting of a single heavy integral casting and having an annular end piece and spaced bridges extending therefrom providing roller sockets therebetween, the rollers for which the cage is adapted being insertable into said sockets only from the end thereof opposite said annular end piece, said body portion being cast in substantially cylindrical form and expanded to the desired conical shape prior to insertion of the rollers into the sockets by a dieing operation in which the body portion is engaged only by the forming die apparatus.

1,588,447. SLOT-CLOSING DEVICE. FRANCIS E. COLBERT, Denver, Colo. Filed May 3, 1926. Serial No. 106,416. 4 Claims. (Cl. 74—81.)

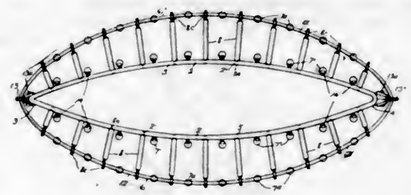


1. A slot closure comprising, in combination, a pair of superimposed relatively transversely movable plates, each having a diagonal slot extending inwardly from one end, said slots being reversely arranged so that they will cross and means for preventing relative longitudinal movement of said plates while permitting them to move transversely relative to each other.

1,588,448. MATCH-BOOK HOLDER. WILLIAM HOMER COLGATE, Larchmont, N. Y. Filed May 5, 1925. Serial No. 28,107. 3 Claims. (Cl. 206—29.)

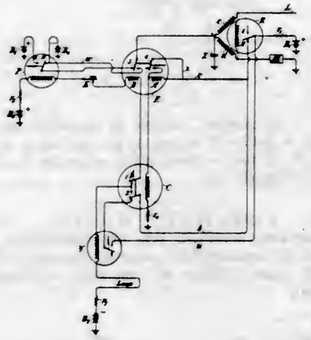
1. A multi-ply holder for match books consisting of several plies secured together by adhesive and having a slit through the inner ply and a guard strip between the plies to prevent adhesion thereof and form a pocket communicating with the slit to receive the tongue of a match book.

1,588,449. TORPEDO NETTING. JOHN COLOMBO, Auburn, N. Y. Filed Feb. 5, 1926. Serial No. 86,221. 5 Claims. (Cl. 114—240.)



1. Means for protecting ships against torpedoes, mines and the like, comprising a woven wire net arranged in similar sections adapted to be draped along the opposite sides of the hull of the ship, stays of different length extending between the net and the hull, and the stays having loops at their free ends, cables encircling the hull and passing through the loops of the stays, loop-supports mounted at the bow and stern of the hull and aligning with the stays for preventing the gravitation of the cables, and means interposed between the cables and the gunwale for preventing sagging of the cables and net between the bow and the stern.

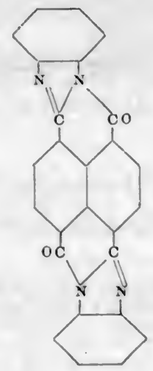
1,588,450. TELEGRAPH SYSTEM. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 9, 1924. Serial No. 742,589. 4 Claims. (Cl. 178—58.)



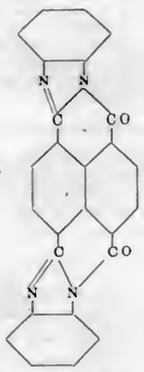
1. In a telegraph system, in combination, a main line, an artificial line, a sending leg, a receiving leg, a subscriber's loop, a relay interlocking said sending and receiving legs and said subscriber's loop, said relay having two armatures and two windings, one winding being serially arranged in said sending leg and the other winding being serially arranged in said receiving leg, one armature shunting a winding of said relay serially arranged in said receiving leg and the other armature connecting batteries of opposite polarity to the main line, a control relay having two armatures, one armature controlling the sending leg and the other armature also shunting the winding of the interlocking relay serially arranged in said receiving leg, and a repeating sounder actuated by signals both transmitted and received.

1,588,451. VAT DYESTUFF AND PROCESS OF MAKING SAME. WILHELM ECKERT and HEINRICH GREUNE, Hochst-on-the-Main, Germany. Filed July 17, 1925, Serial No. 44,369, and in Germany July 21, 1924. 6 Claims. (Cl. 260—45.)

6. As a new product, the vat dyestuffs of the following formula:

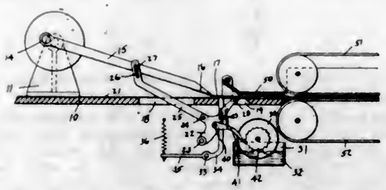


or



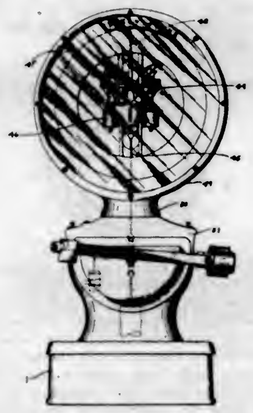
or being a red powder, soluble in concentrated sulfuric acid with a yellowish-brown color, giving a green vat, from which cotton is dyed after exposure to the air a brilliant yellowish-red.

1,588,452. PAPER-BOARD MACHINE. JASON H. GREENSTREET, deceased, late of Indianapolis, Ind., by Charles J. Greenstreet, executor, Chicago, Ill. Filed Sept. 2, 1924. Serial No. 735,485. 6 Claims. (Cl. 154—30.)



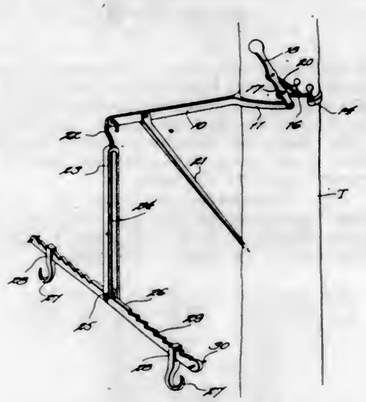
1. In a paper board machine, the combination with paper creasing means, paper folding means, and adhesive applying means, of means for positively actuating the adhesive applying means in timed relation with the paper folding means, and means connecting the adhesive applying means and the paper creasing means for actuating the latter by the former in timed relation therewith and with the paper folding means.

1,588,453. WEIGHING SCALE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 16, 1922. Serial No. 607,274. 12 Claims. (Cl. 265—71.)



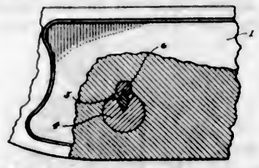
1. In a weighing scale, in combination, a base housing, a separable member secured to said base housing, a second separable member secured at two places to said base housing and at one place to the first said member, and fulcrum bearings on said members.

1,588,454. SUPPORT FOR GAMBRELS AND THE LIKE. JOHN S. HARRIS, Hopewell Junction, N. Y. Filed June 4, 1924. Serial No. 717,812. 3 Claims. (Cl. 248—20.)



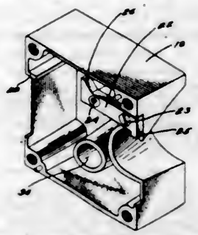
2. In a supporting device, an arm, a sectional gripping member connected to the arm, a lever pivotally secured to one of the ends of the sectional gripping member, a toothed arm having one end pivotally secured to the lever, means at the other end of the arm for engagement with the adjacent end of the split gripping member to regulate the relative positions of the ends of the members by adjusting the lever, and a dog having one end pivotally secured to the lever and its opposite end engaging the teeth of the arm to hold the adjacent end of the gripping member in adjusted position.

1,588,455. PIVOT RETAINER. HALVOR W. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Aug. 20, 1921. Serial No. 493,876. 9 Claims. (Cl. 308—2.)



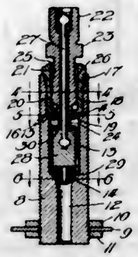
1. In a device of the class described, in combination, a lever having round intersecting openings therein, grooved members received in said openings, and a pivot bar fitted into the grooves of said members.

1,588,456. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed July 16, 1925. Serial No. 43,999. 7 Claims. (Cl. 265—49.)



1. In a poise for scales, a metallic casing, and means in said casing including a plurality of reversible pawls adapted to successively co-operate with various types of scale beams.

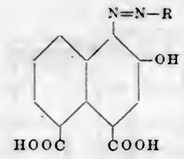
1,588,457. TIRE VALVE AND THE LIKE. EDWARD E. HOLT, Chicago, Ill., assignor to Edward Holt Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 7, 1925. Serial No. 13,692. 3 Claims. (Cl. 152—12.)



1. A pneumatic valve for the purpose specified comprising in combination a valve stem having a longitudinally extending through bore suitably formed to provide a central valve chamber having an outwardly facing annular valve seat at its inner end, a collar in the outer end of the bore, an inwardly facing valve seat on the inner end of said collar, a neck threaded through the collar and provided with a longitudinal bore, an inwardly facing valve seat on the inner end of said neck, a valve plug in the central valve chamber having a valve surface at each end, the valve surface at the inner end of the plug being adapted to engage the outwardly facing valve seat of the valve stem, and the valve surface at the outer end of the plug being adapted to engage either the valve seat of the collar or the valve seat of the neck depending on the position of the neck within the collar, substantially as described.

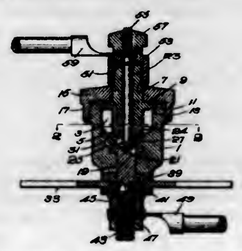
1,588,458. AZODYESTUFFS CONTAINING CHROMIUM AND PROCESS OF MAKING SAME. MAX ISLER and LUCAS VON MECHEL, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Original application filed Dec. 9, 1924, Serial No. 754,841, and in Switzerland Dec. 28, 1923. Divided and this application filed Dec. 1, 1925. Serial No. 72,581. 9 Claims. (Cl. 260—12.)

1. As a new process the herein described manufacture of new azo dyestuffs containing chromium which are derivatives of the dyestuffs corresponding to the general formula:



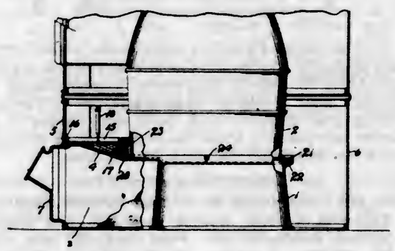
wherein R stands for any aromatic residue, consisting in treating the dyestuffs obtainable by coupling 3-hydroxynaphthalene-1:8-dicarboxylic acid with a diazo-compound, with agents adapted to yield chromium.

1,588,459. CIRCUIT BREAKER. WALTER M. S. KILGOUR, Lexington, Mass. Filed Feb. 9, 1923. Serial No. 618,103. 23 Claims. (Cl. 200—52.)



1. A circuit breaker of the character described having means forming a primary and a secondary chamber, said primary chamber being substantially in the form of an inverted cone and communicating with said secondary chamber through a relatively narrow slot about the periphery of the base of said inverted cone, a body of mercury in said primary chamber, a contact member in electrical communication with said body and a second contact member at the apex of said primary chamber.

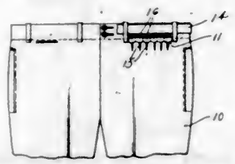
1,588,460. FURNACE HUMIDIFIER. JOHN P. KOLLA, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a Corporation of Michigan. Filed Feb. 24, 1925. Serial No. 11,026. 4 Claims. (Cl. 126—113.)



1. In a furnace, an ash pit casting of substantially cylindrical form having a projecting portion at the front side thereof, said projecting portion having vertical sides

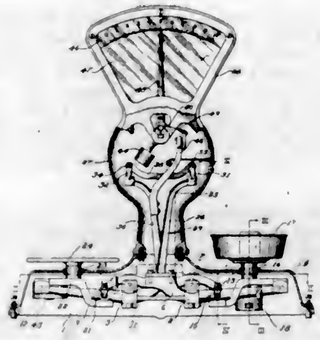
and a top connecting the sides, ribs cast integral with said top and extending upwardly therefrom to form a receptacle in which water may be contained, and a trough around the ash pit adjacent the upper end thereof into which water overflowing from the receptacle is received, substantially as described.

1,588,461. TEE HOLDER FOR TROUSERS. RALPH ELLSWORTH LADUE, Brooklyn, N. Y., assignor to John David, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1925. Serial No. 65,970. 3 Claims. (Cl. 2—250.)



1. In a tee holder for trousers, the combination with a supporting garment, of a main pocket supported upon the garment consisting of a strip of material folded upon itself to provide a top opening for said pocket, said strip being stitched along its side edges to the garment, the fold of said strip adjacent to said garment forming a bead along its upper edge projecting over the pocket opening and in spaced relation thereto, and a narrow strip of material secured to the outer fold of the pocket structure at a plurality of spaced points and along its upper edge forming holding loops to permit of the individual insertion of the shanks of tees therethrough and thence into the main pocket, said bead being arranged to abut over the heads of the tees and guard against unintended removal thereof.

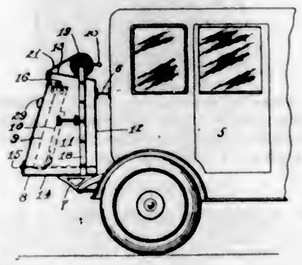
1,588,462. WEIGHING SCALE. CHARLES O. MARSHALL, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 14, 1923. Serial No. 618,901. 5 Claims. (Cl. 265—54.)



1. In a weighing scale, in combination, a pair of levers each having a load pivot at each end, fulcrum pivots for said levers, a pair of load-receivers each resting upon adjacent load pivots of both levers, an upwardly extending arm fixed to each lever and having a pivot located substantially above the fulcrum pivot of its lever, and a bar connecting the pivots of said arms.

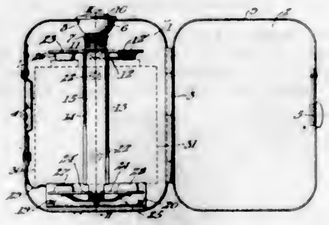
1,588,463. FOLDING BED FOR MOTOR VEHICLES. FRANK B. MILLER, Kansas City, Mo., and HIRAM S. MILLER, Baltimore, Md. Filed Sept. 13, 1923. Serial No. 662,395. 1 Claim. (Cl. 5—119.)

A folding bed for motor vehicles, comprising a casing adapted to be secured to a vehicle, hinged sections connected to the bottom wall of said casing, foldable one upon the other into said casing, a plurality of relatively spaced adjustable supporting legs hinged to the underside of each section and foldable therewith, a cover support pivoted to the extreme outer hinged section and foldable upon said section when not in use, braces pivoted to said supports and adapted to hold said supports in



upright position relative to said sections, a reel and cover carried by said casing, means for winding said cover on said reel, means to permit said cover to be secured to said supports of said outermost section so as to enclose the entire construction when extended, and a locking means for said sections when the latter is folded into said casing.

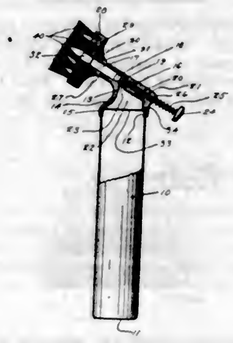
1,588,464. FLASH LIGHT. CHARLES OSEAN, Woodcliff, N. J., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Mar. 15, 1922. Serial No. 544,018. 16 Claims. (Cl. 240—10.5.)



1. In a portable battery-operated electric lamp, the combination of a casing, and a rigid conductive frame secured therein comprising conductive portions to receive and retain a plurality of cells and a conductive portion joining and supporting such cell-receiving portions, said conductive portions cooperating to electrically connect such cells in series circuit.

1,588,465. FOUNTAIN BRUSH. GEORGE T. PARR, St. Paul, Minn. Filed Dec. 2, 1921. Serial No. 519,465. 2 Claims. (Cl. 15—138.)

1. A fountain brush comprising a receptacle, a head detachably secured to said receptacle, said head being formed with a neck having a cylindrical bore communicating with the exterior, the inner end of said bore terminating in a conical valve chamber, said head being provided with a chamber communicating with the interior of said receptacle, and having a port leading from said chamber directly into said conical valve chamber, said neck being further provided with a hole axially arranged relative to said cylindrical bore and communicating with said conical valve chamber, a valve stem slidable in said hole, a valve head mounted on said stem and adapted to become seated against the walls of said conical valve

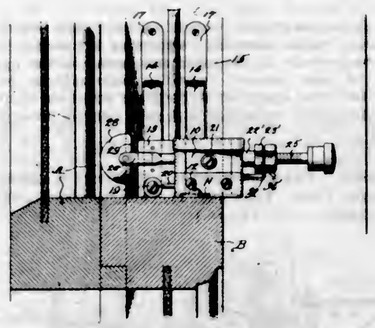


chamber to close said port from communication with said bore, and a brush positioned upon the extreme end of said neck.

1,588,466. BENZOYL-ECGONINE ESTER AND PROCESS OF PRODUCING THE SAME. EDVARD POULSSON, Oslo, Norway. Filed May 12, 1924, Serial No. 712,865, and in Norway May 15, 1923. 5 Claims. (Cl. 260—25.)

1. As a new product a chemical compound comprising a benzoyl-ecgonine-ester-group in which a hydrogen atom of the carboxyl group in the ecgonine molecule has been replaced by a radical of a hydrocarbon in which the proportion of hydrogen to carbon is less than in the hydrocarbons of the methane series.

1,588,467. SWITCH. AUGUST MARSHALL PRUITT, Cleveland, Ohio. Filed May 1, 1922. Serial No. 557,585. 2 Claims. (Cl. 200—54.)

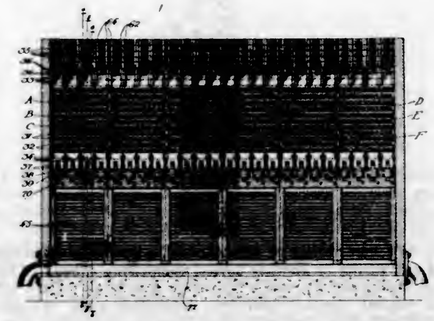


1. A circuit closer comprising a frame included in a normally open circuit, and constituting a fixed contact, a plunger slidably mounted on said frame and having one end bifurcated, a coil spring encircling the plunger and bearing against the frame, a collar carried by the plunger and with which one end of the spring is engaged, a movable contact adapted to be moved into engagement with the fixed contact upon movement of the plunger in one direction, a semi-circular element pivotally mounted in the bifurcated end of the plunger, and adapted to have its rounded edge normally set in engagement with an object to hold said movable contact spaced from the fixed contact, said element being moved upon its pivot with the change of the relative positions of said object and element, thereby allowing the plunger to move under the influence of the spring to close the circuit.

1,588,468. PROCESS FOR PRODUCING AN ALLOY. THOMAS H. REIGHARD, Tarentum, Pa. Filed Oct. 24, 1922. Serial No. 596,607. 2 Claims. (Cl. 75—1.)

1. The process of producing a ductile alloy, which comprises melting a supply of copper, in adding thereto a fluxing agent manufactured from furnace slag, in then applying aluminum to said material, in inserting within the aluminum and slag a sparking implement while said material is in a heated condition to generate heat to materially raise the temperature of the molten mass, and in thereafter allowing said mass to cool to form a ductile alloy.

1,588,469. DESIGN AND OPERATION OF COKE OVEN. ARTHUR ROBERTS, Evanston, Ill., assignor, by mesne assignments, to Chicago Trust Company, trustee, Chicago, Ill., a Corporation. Filed Oct. 20, 1921, Serial No. 508,914. Renewed Feb. 5, 1926. 24 Claims. (Cl. 202—9.)

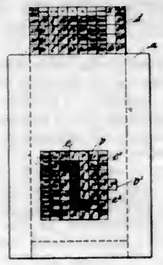


24. A bench of coke ovens including a series of separated heating walls providing coking chambers between them, there being passages within each heating wall for the transfer of heating gases therethrough in a vertical direction, there being one series of combustion chambers along the upper portion of each heating wall and another series of combustion chambers along the lower portion of each heating wall, there being two ports and a gas nozzle in communication with each combustion chamber, and regenerators in groups of four, there being connections between one port of each upper combustion chamber and a corresponding regenerator, connections between the other port of each upper combustion chamber and another corresponding regenerator, connections between one port of each lower combustion chamber and another corresponding regenerator, and connections between the other port of each lower combustion chamber and another corresponding regenerator, and connections for delivering gas for combustion and air to the regenerators for the ports of the upper combustion chambers or gas for combustion and air to the regenerators for the ports for the lower combustion chambers selectively, substantially as described.

1,588,470. DEVICE FOR DETERMINING THE HARMONIC RELATIONS OF MUSICAL NOTES. HANS SCHUMANN, Munich, Germany. Filed Mar. 11, 1924, Serial No. 698,522, and in Germany Mar. 19, 1923. 4 Claims. (Cl. 84—473.)

1. A device for determining the harmonic relations of musical notes, comprising in combination a frame member, a sliding member capable of sliding in the frame mem-

ber, observation apertures in the frame member, rows of notes marked on the said sliding member and a system of lines in the said apertures, whereby notes marked on

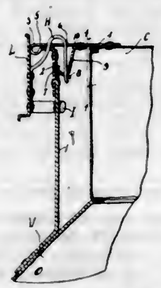


the sliding member and brought by the position of the sliding member into a certain relation to a key are formed into musical groups, as set forth.

1,588,471. SPRING-GRIPPING DEVICE. ZACHARY BEZKOROWAJNYJ, Lyons, N. Y. Filed Dec. 18, 1922. Serial No. 607,750. 1 Claim. (Cl. 267—74.)

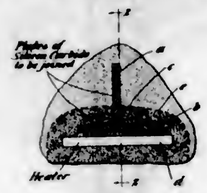
As a new article of manufacture, a device for attaching a coil spring to another device, comprising a body of substantially arcuate shape formation and being formed with a central circular aperture, depending arms extending and radiating from the outer edge of said body, curved hook like ends formed on the lower end of said arms and adapted to receive the end convolution of the coil spring, and a connector extending through and above said aperture and being swiveled in the same, said connector having its upper end hook shaped for connection of itself to another device, and a nut threaded upon said connector below the body for engaging the underside thereof to prevent longitudinal movement of said connector in a direction away from the spring only.

1,588,472. LAMP HOLDER FOR CAPS. GEORGE S. CLARK, Portsmouth, Ohio. Filed Apr. 26, 1924. Serial No. 709,268. 3 Claims. (Cl. 240—60.)



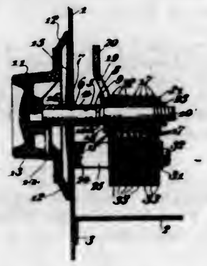
1. A lamp holder for caps, comprising a plate-like member secured to the top of a cap and projecting therefrom, said member having an outer notch and an opening inward of the notch, and a spring catch below the opening, arched toward the cap and having a notched end disposed slightly beyond the opening, for the purpose set forth.

1,588,473. METHOD OF MAKING CARBORUNDUM STRUCTURES. JAMES KELLEHER, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation, a Corporation of New York. Filed Oct. 10, 1925. Serial No. 61,633. 13 Claims. (Cl. 25—157.)



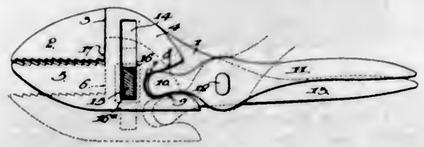
1. The method of uniting two pieces of silicon carbide which comprises heating them in contact with one another to a temperature of approximately 1800° C. or over, in a non-oxidizing atmosphere.

1,588,474. CONDENSER. ARTHUR ATWATER KENT, Ardmore, Pa. Filed June 6, 1925. Serial No. 35,296. 10 Claims. (Cl. 250—41.)



1. In a condenser comprising rotor and stator elements, a stator assembly comprising a member extending transversely of the rotor axis, arms on the opposite ends of said member extending substantially parallel with the rotor axis, and stator plate structure secured to and electrically connected with said member between said arms.

1,588,475. PLIER WRENCH. PERCIVAL F. KING, New Haven, Conn. Filed Aug. 11, 1924. Serial No. 731,424. 4 Claims. (Cl. 81—85.)

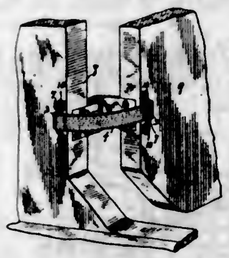


4. In plier wrenches, a body, a handle and a jaw integrally formed, the jaw of said body extending laterally to provide a shoulder, a movable jaw associated with the jaw of said body and including a body having a face to engage the shoulder of the first-mentioned jaw and lie flatwise against the body having the integral jaw, the body having the second-mentioned jaw also having a slot extending parallel to said shoulder, said first-mentioned body having a rectangular horn projecting through said slot, the slotted body having a recess located in alinement with the jaw portion, a second handle member pivoted to the first-mentioned body and having a finger cooperatively engaging in said recess, the recess and finger lying in alinement between the pivot of the handle and the horn when the jaws are closed together, all being arranged substantially as shown and for the purposes described.

1,588,476. ZIRCONIUM-OXIDE COMPOUND AND METHOD OF MAKING SAME. CHARLES J. KINZIE, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a Corporation of Maine. Filed May 5, 1925. Serial No. 28,239. 24 Claims. (Cl. 23—20.)

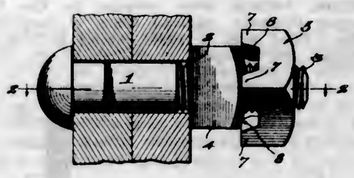
21. A zirconium oxide compound characterized as being a calcined product, of specific gravity of about 5.00, essentially white in color, as consisting by analysis preponderatingly of unfused zirconia and containing also a less quantity of commingled basic and acid-forming ingredients.

1,588,477. FLEXIBLE CONNECTER. RAYMOND L. KINGSTON, Detroit, Mich. Filed June 26, 1922. Serial No. 571,059. 4 Claims. (Cl. 16—87.)



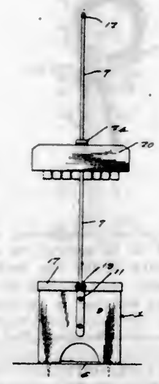
1. A connector comprising an endless band folded together to constitute terminal loops and a connecting portion between them, the band being formed from a section of tubing folded upon itself intermediate its ends, the two parts of the band constituting the connecting portion being sewed together.

1,588,478. NUT LOCK. MARSHEL F. LERCH, Louisville, Ky., assignor to Lerch, Shumate Bolt Company, Louisville, Ky. Filed Oct. 28, 1924. Serial No. 746,308. 1 Claim. (Cl. 151—16.)



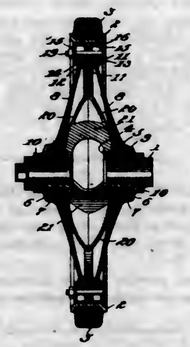
The combination with a bolt having oppositely screw-threaded portions, of a main nut turned onto the inner screw-threaded portion of the bolt and having a convex outer face, a locking nut turned onto the outer screw-threaded portion of the bolt to hold the main nut in place, said locking nut having integral projections on its inner face at the corners thereof, each of said projections being of large rectangular cross-area throughout its length to impart rigidity to the projection, the rectangular formation providing an abrupt interior corner at the extremity of the projection to bite into the convex face of the main nut when the locking nut is turned to bear against the main nut.

1,588,479. VEGETABLE AND FRUIT CUTTER. MANUEL F. LOPEZ, Phoenix, Ariz. Filed Aug. 18, 1925. Serial No. 50,980. 3 Claims. (Cl. 146—160.)



1. A device of the class described comprising a stationary frame having its top open, a pair of rods extending upwardly from the opposed sides of the frame, a cross member associated with the upper ends of the rods for holding the same in parallel spaced relation, a series of knives arranged in the open top of the frame, a block adapted for vertical slidable movement on said rods, said block having slots formed in the bottom thereof for cooperation with said knives for cutting material placed on the knives into small particles, and forcing the same downwardly between the knives.

1,588,480. RESILIENT WHEEL. HUGH C. LORD, Erie, Pa. Filed Feb. 26, 1921. Serial No. 448,136. 10 Claims. (Cl. 152—28.)



5. In a wheel, the combination of a hub; a rim; and two discs connecting the hub and rim, said discs being oppositely inclined to the axis of the wheel and under

initial tension and decreasing in thickness toward the outer periphery from a point adjacent to the hub to a point adjacent to the rim.

1,588,481. RESILIENT WHEEL. HUGH C. LORD, Erie, Pa. Filed Apr. 11, 1921. Serial No. 460,379. 11 Claims. (Cl. 152—28.)

10. A resilient element comprising a rubber disc; a metal ring adapted to be secured to a wheel rim and to the outer periphery of the disc and holding the disc extended; and a metal ring secured to the inner periphery of the disc and adapted to be secured to a wheel hub.

1,588,482. DYE COMPOSITION. JOSEPH MERRITT MATTHEWS, New York, N. Y., assignor to Glorient, Inc., New York, N. Y., a Corporation of New York. Filed May 29, 1924. Serial No. 716,573. 2 Claims. (Cl. 8—6.)

1. A stable dry powder water soluble silk dye composition comprising an acid dye incapable of being precipitated in the presence of aluminum sulphate and potassium bitartrate, a dry water soluble material for supplying free acid when dissolved in the solution, and a dry water soluble leveling agent, said composition being readily and completely soluble in warm water and being nonhygroscopic and noncaking when packed.

1,588,483. DYE COMPOSITION. JOSEPH MERRITT MATTHEWS, New York, N. Y., assignor to Glorient, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,768. 2 Claims. (Cl. 8—6.)

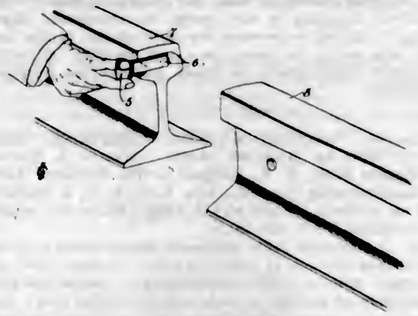
1. A stable dry powder water soluble silk dye composition comprising an acid dye incapable of being precipitated in the presence of a solid soluble organic acid and a leveling agent, a solid soluble organic acid capable of causing the acid dye to combine with silk fiber, and a leveling agent, said composition being readily and completely soluble in warm water and being non-hygroscopic and non-caking when packed.

1,588,484. SOLUBLE-DYE COMPOSITION. JOSEPH MERRITT MATTHEWS, New York, N. Y., assignor to Glorient, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1925. Serial No. 54,137. 5 Claims. (Cl. 8—6.)

1. A stable dry powder water soluble silk dye composition comprising an acid dye, sodium acid fluoride, and a leveling agent.

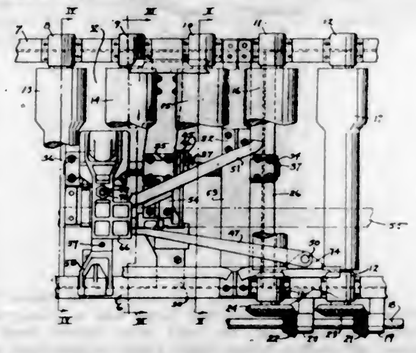
1,588,485. EXPANSION SHIM FOR RAIL JOINTS. HUNTER MCDONALD, Nashville, Tenn. Filed Mar. 9, 1926. Serial No. 93,415. 3 Claims. (Cl. 238—227.)

1. An expansion shim for use between adjacent ends of rails when they are being laid, and comprising a portion of predetermined thickness adapted to be received between said ends to gage the space between them,



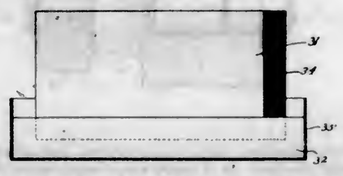
and another portion having an opening for receiving the end of a tool constituting a lever to draw the shim from between the rails after the joint is completed.

1,588,486. MANIPULATOR. ERIK W. MIKAELSON, Easton, Pa., assignor to Treadwell Engineering Company, a Corporation of Pennsylvania. Filed Jan. 24, 1922. Serial No. 531,336. 23 Claims. (Cl. 80—48.)



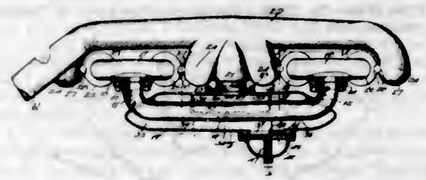
1. In a billet manipulator, the combination with a roller table, of an abutment adapted to engage a lower corner of the billet, means for guiding the billet into a position for cooperation with said abutment as said billet is moved over the table, and means laterally movable relative to said abutment, adapted to engage a diagonally opposite corner of the billet for turning it about said abutment.

1,588,487. SPONGE RUBBER SHEET. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Sept. 8, 1924. Serial No. 736,668. 8 Claims. (Cl. 41—26.)



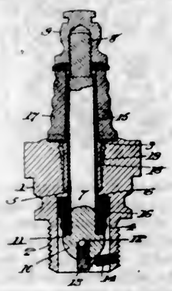
1. As an article of manufacture, a sheet having at least one face formed of sponge rubber ornamented by the application thereto of at least one surface coloring penetrated into and integral with the sponge rubber of such face.

1,588,488. INTAKE MANIFOLD. FRANK C. MOCK, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1920. Serial No. 362,935. 8 Claims. (Cl. 123—122.)



5. In combination, an exhaust manifold, an intake manifold having a jacket forming central and end compartments surrounding said intake manifold, the central compartment being in communication with said exhaust manifold and means for applying the heat of the exhaust to said central compartment or to the end compartment and central compartment.

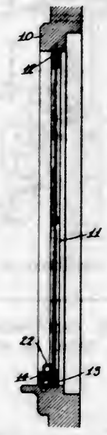
1,588,489. SPARK PLUG. ARTHUR R. MOSLER, New York, N. Y. Filed Jan. 30, 1925. Serial No. 5,755. 6 Claims. (Cl. 123—169.)



1. In a spark plug, a shell, the bore of which has an outwardly flaring portion, a tubular wedge therein, a center spindle, an insulating tube thereon, additional insulating means cooperating with said spindle and said shell to secure the former against dislocation in an outward direction with respect to the latter, and a sleeve of compressible material compressed between said wedge and tube to make a gas tight joint.

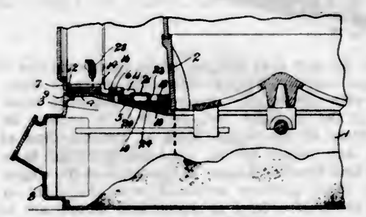
1,588,490. PIVOT-WINDOW CLOSURE DEVICE. RICHARD MURRAY, New York, N. Y. Filed Oct. 19, 1923. Serial No. 669,493. 3 Claims. (Cl. 292—58.)

1. A latch device of the class described comprising a box-shaped casing having back, side and end walls, an aperture extending through the side walls to receive and support a latch element, one end of which normally projects through one of the side walls, a cam structure within the casing adjacent one side wall and the back wall and encircling the latch element, and means on



said element co-operating with said cam whereby in the rotary movement of said element, the projected end thereof will be moved into the casing.

1,588,491. HUMIDIFIER ATTACHMENT. OSCAR P. NYSTROM, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a Corporation of Michigan. Filed Feb. 24, 1925. Serial No. 11,081. 5 Claims. (Cl. 126—113.)

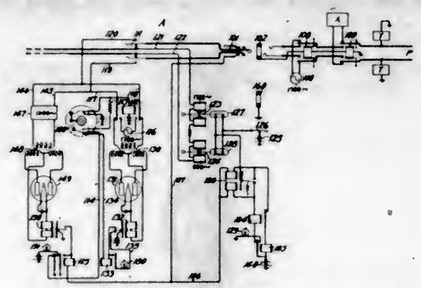


1. In a furnace, an ash pit casting of substantially cylindrical form provided at its front side with an outwardly extending portion, comprising spaced apart vertical sides and a downwardly and inwardly inclined top connecting said vertical sides at their upper edges, said top having an opening therethrough, a tray formed with a downwardly and inwardly inclined bottom, and ribs cast integral therewith at its edges and extending upwardly, said tray resting on the top of the forward extension to the ash pit casting, a boss on the under side of the bottom of the tray adapted to fit in the opening in said top of the ash pit extension, said boss and bottom of the tray having an opening therethrough, substantially as described.

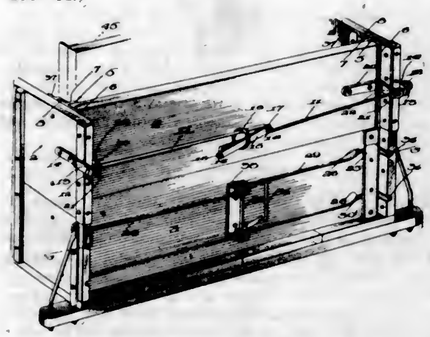
1,588,492. SIGNALING SYSTEM. HENRY W. O'NEILL, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 27, 1922. Serial No. 603,433. 7 Claims. (Cl. 179—78.)

1. In a switching system, a line, means for transmitting high frequency alternating current impulses, a

signal, and means for operating said signal actuated during the transmission of said impulses upon the establishment of electrical conditions on the line other than said impulses.



1,588,493. END GATE. CARL POLSON, Vermillion, Kans. Filed Jan. 23, 1925. Serial No. 4,312. 5 Claims. (Cl. 296—51.)



5. In an end gate for use with wagons having sides, end gate sections having standards at their ends provided with rearwardly directed flanges flush with the ends of the sections and designed to snugly fit the inner faces of the wagon sides at the rear end of the wagon, and plates having attaching portions flatly engaging and directly secured to the sides of the wagon and having offset portions co-acting with the sides of the wagon to define sockets in which said flanges are snugly fitted to provide a grain-tight fit.

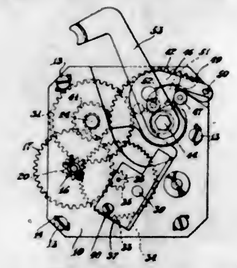
1,588,494. VEHICLE WHEEL. ALDEN L. PUTNAM, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich. Filed May 18, 1923. Serial No. 639,776. 3 Claims. (Cl. 301—79.)

3. In a vehicle wheel, a metallic spider connecting the hub to the felly comprising a single series of spokes lying in a common surface of revolution, the major portion of each spoke being arranged in a substantially straight line oblique to the wheel plane, said spokes being of substantially greater width than thickness and tapered longitudinally from the hub.

1,588,495. METHOD OF CONSTRUCTING METAL-SPOKE WHEELS. ALDEN L. PUTNAM, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich. Filed June 12, 1924. Serial No. 719,505. 4 Claims. (Cl. 29—174.)

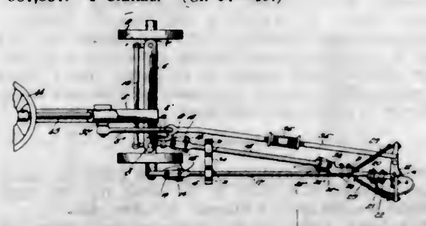
1. A process for facilitating the assembling of metal vehicle wheels composed of flattened metal spokes, which consists in forming the hub ends of said spokes curved in such manner that the chord of the arc shall extend circumferentially of the wheel, assembling the spokes into a complete spider, and pressing out the curve by any suitable process.

1,588,496. SPRING MOTOR FOR SIGNALING MECHANISM. HENRY E. REEVE, deceased, late of New York, N. Y., by Helen Reeve, executrix, Brooklyn, N. Y. Filed Aug. 28, 1924. Serial No. 734,572. 17 Claims. (Cl. 185—37.)



1. In a spring motor, a combination of a frame having mounting plates, a main driving shaft pivotally supported therein, a sleeve mounted on said shaft outside of said frame, movable means of connection between said sleeve and said shaft, a spring on the outside of said frame connected to said sleeve and to said frame, said sleeve having a socket to receive means for rotating said sleeve.

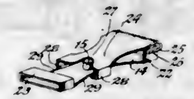
1,588,497. STEERING DEVICE. ADOLPH A. RIETZKE, Valley Park, Mo. Filed Sept. 11, 1922. Serial No. 587,357. 4 Claims. (Cl. 97—49.)



1. In combination with a tractor having steering wheels mounted upon stub axles, an adjusting block having a curved transversely disposed slot fixed to the outer end of one of the stub axles, a rod adjustably connected at its rear end to the outer adjusting block, a steering head adjustably mounted at the forward end of said rod, a shaft carried by said steering head, a guide wheel mounted upon said shaft, a cross-arm fixed to the upper end of said shaft and disposed at a right angle to said rod, means for adjustably angling the steering wheel on the cross-arm, a head block mounted for longitudinal adjustment upon said first mentioned rod, an inner adjusting block, a second rod adjustably connected at its rear end to the inner adjusting block and at its forward end to said head block, a spacing bar connecting the rear ends of said rods in advance of the adjusting blocks, and coiled springs connecting the outer ends of the cross arm with the aforesaid first mentioned rod in advance of the head block.

4. In combination with a tractor having stub axles and having the usual steering mechanism, an automatic steering device including an adjusting block member removably fixed to the outer end of one of the stub axles, an adjusting block member fixed to the inner end of the stub axle, a rod adjustably connected at its rear end to the first mentioned adjusting block member, a rod adjustably fixed at its rear end to said second mentioned adjusting block, a block adjustably fixed to the first mentioned rod near the forward end thereof, means for adjustably connecting the forward end of said second mentioned rod to said block, a head member rotatably adjustable upon the forward end of said first mentioned rod, a shaft supported by said head member, a steering wheel supported by said shaft, a cross arm fixed to the upper end of said shaft, means for adjustably angling the steering wheel shaft on the cross arm, and spring elements connecting each end of said cross arm to said first mentioned rod for normally maintaining the adjusted position of the steering wheel for automatically steering the tractor in a predetermined course.

1,588,498. BUCKLE. HOWARD W. RUSSELL, Collingswood, N. J. Filed Feb. 5, 1926. Serial No. 86,113. 4 Claims. (Cl. 24—163.)



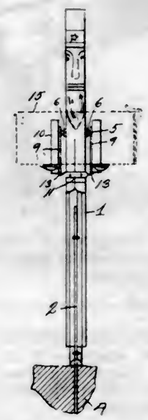
1. A buckle comprising a base adapted to be mounted on a member and which is adapted to engage with the rear side of a strap having a longitudinal row of openings, a pin arranged on the front side of said base and adapted to engage with one or another of said openings, and a flexible arm mounted on said base and extending over the front side of said strap and having a part adapted to engage with the underside of said strap.

1,588,499. PRODUCTION OF CALCIUM ARSENATE. HENRY M. SCHLEICHER, Boston, Mass., assignor to American Metal Company Ltd., New York, N. Y., a Corporation of New York. Filed Nov. 11, 1924. Serial No. 749,336. 7 Claims. (Cl. 23—53.)

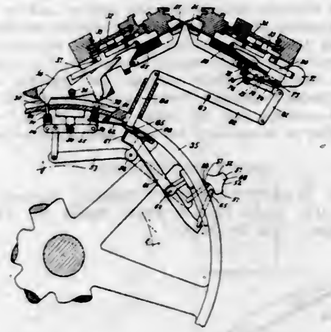
1. The process of preparing calcium arsenate, which comprises adding dry unslaked lime to a heated solution of an alkali metal arsenate.

1,588,500. MAIL-BOX SUPPORT. WILLIAM SCHULTE, Westpoint, Nebr. Filed Jan. 6, 1926. Serial No. 79,548. 1 Claim. (Cl. 232—39.)

A support of the character described including a body portion, supporting braces for the lower end thereof, a bolt extending through the body portion and projecting outwardly from the sides thereof, lugs formed on the outer ends of the bolt, supporting arms having metallic plates secured to the inner surfaces thereof, said metallic plates having key hole slots therein for receiving the ends of the bolt and the lugs, said supporting arms having notches formed therein adjacent the outer edges thereof and supporting brackets connected with and extending outwardly from the body portion for engaging said notches and supporting the outer ends of the arms.



1,588,501. KNITTING MACHINE. FRANK G. SHELAIN, Rockford, Ill., assignor to Nelson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 15, 1924. Serial No. 755,816. 31 Claims. (Cl. 66—66.)

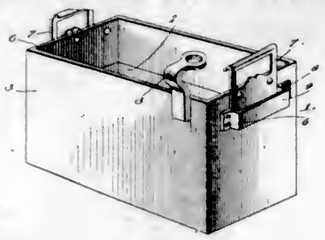


1. In a straight knitting machine, in combination, a bed of needles, jacks, jack-levers, a pattern cylinder, means for imparting rotative movement to the cylinder, and means carried by the cylinder adapted to be brought into cooperation with the jack-levers and operated by said cylinder-rotating means supplemental to the cylinder movement for changing the position of said jack-levers.

1,588,502. STORAGE-BATTERY CONSTRUCTION. ARTHUR MARTIN SMALL, Middletown, Ohio. Filed Oct. 3, 1924. Serial No. 741,439. 9 Claims. (Cl. 136—166.)

1. A storage battery having a metallic box, an electrolytic cell contained by the box, a lead coating for the box,

connecting means for grounding one of the terminals of the cell to said lead coating, and means including hangers

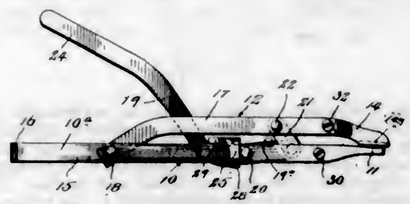


by which electrical connection of said grounded terminal may be made with a metallic support, for example the chassis of a motor vehicle.

1,588,503. LIQUID-FUEL BURNER. CHARLES EDWARD SPIGELMIRE, Sparrows Point, Md., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Mar. 15, 1922. Serial No. 543,923. 4 Claims. (Cl. 158—75.)

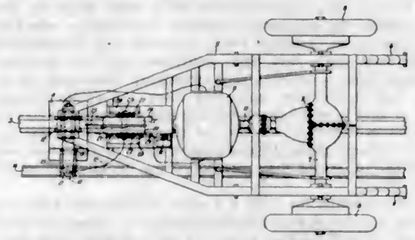
2. A fluid burner comprising in combination, a tubular casing, a fuel tube within said casing, a second tube spaced from and surrounding said fuel tube and forming a inner annular passage and providing a mixing chamber at the tip of the fuel tube, a third tube surrounding said second tube forming an exterior annular passage between its exterior surface and the casing, and an intermediate annular passage between its interior surface and the second tube, said exterior passage at one end being in communication with a supply of fluid, and at its other end with the intermediate passage, the opposite end of the intermediate passage being in communication with the inner passage and the latter at the tip end of the burner being in communication with said mixing chamber.

1,588,504. VALVE LIFTER. JOSEPH SUNNEN, St. Louis, Mo. Filed Oct. 7, 1924. Serial No. 742,241. 10 Claims. (Cl. 29—86.3.)



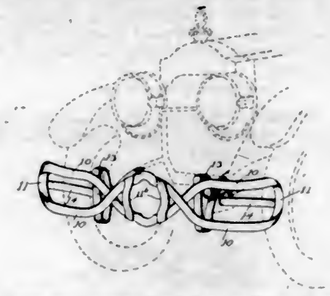
1. A valve lifter comprising a pair of pivotally connected jaw members, a lever pivotally connected to one of said jaw members at a point intermediate its ends for actuating said jaw members, and a member slidably mounted on one of said jaw members and engageable by said lever to enter into locking engagement with said jaw member, thereby locking said jaws in extended positions.

1,588,505. TESTING APPARATUS OR COURSE. SHELDON P. THACHER, Freehold, N. J., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed June 9, 1923. Serial No. 644,514. 9 Claims. (Cl. 104—25.)



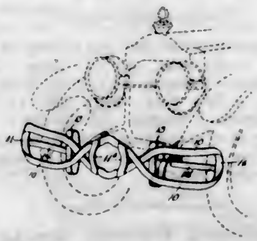
1. A testing apparatus comprising, in combination, an endless course surfaced in simulation of roadways, a plurality of test cars, means on the course for guiding each of the test cars, means on each of the test cars for tracking the guiding means, a motor on each of the test cars for propelling it, and shiftable means carried by the test cars for varying the operation of the motors whereby to maintain the test cars separated while travelling around the course.

1,588,506. BUMPER FOR MOTOR VEHICLES. RICHARD TOSSELL, Chicago, Ill. Filed Aug. 11, 1921. Serial No. 491,411. 48 Claims. (Cl. 293—55.)



1. A bumper composed of two end portions and a middle portion, each such end portion comprising a single integral flat bar formed to provide two vertically spaced horizontally parallel bars and an interconnecting end bar, said middle portion serving to connect the two end portions.

1,588,507. BUMPER FOR MOTOR VEHICLES. RICHARD TOSSELL, Chicago, Ill. Filed Mar. 11, 1925. Serial No. 14,606. 15 Claims. (Cl. 293—55.)

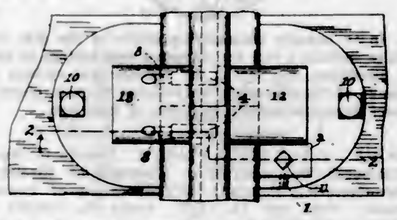


1. A bumper member formed of relatively wide and thin strip metal bent and welded to form a closed integral loop embodying a pair of substantially horizontally extending vertically wide bars spaced vertically in alignment and integral end connecting means.

1,588,508. BUMPER FOR MOTOR VEHICLES. RICHARD TOSSELL, Chicago, Ill. Original application filed Aug. 11, 1921, Serial No. 491,411. Divided and this application filed Mar. 19, 1925. Serial No. 16,632. 2 Claims. (Cl. 293—55.)

1. A bumper for vehicles comprising a pair of U-shaped impact units extending in opposite directions and having the arms of each overrunning those of the other, means for securing the units against separation from one another, and means for attaching the combined units to a vehicle, including a spring bar connected intermediate of its ends to the combined units and at its ends to the vehicle whereby the impact units will be supported transversely of the vehicle.

1,588,509. FISHPLATE CLAMP. GEORGE J. D. TRETHEWEY, Detroit, Mich. Filed Jan. 12, 1925. Serial No. 1,906. 4 Claims. (Cl. 238—197.)

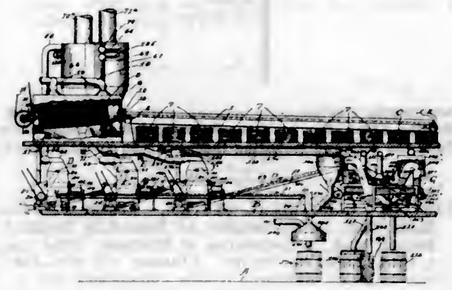


1. A rail joint, comprising a rigid block to engage one side of a rail, a tie plate formed with an opening having a reduced portion, a pillar block having a dovetailed tongue adapted to be received in the opening and slide within the reduced portion, and a key also adapted to be received in the opening to lock the pillar block tongue to the tie-plate.

1,588,510. SILVER-GLASS-MIRROR MAKING. WILLIAM S. WEAR, Excelsior Springs, Mo. Filed Aug. 25, 1923. Serial No. 659,416. 1 Claim. (Cl. 91—68.3.)

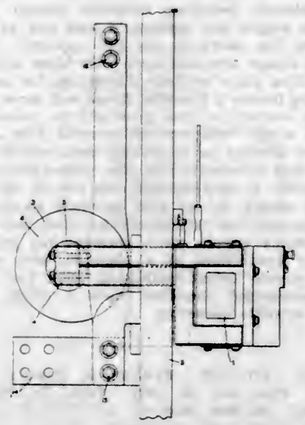
A method of silvering glass consisting in placing the glass to be treated in a substantially horizontal plane, cleaning the surface of the glass, applying a solution of tin chloride to the cleaned surface, washing the surface with hot water to remove excess chloride solution, mixing and applying a solution to the surface thus treated while said surface is wet, said solution having a proportion of 10 ounces of cold water, 4 ounces of hot water, and 4 ounces of a solution formed of 2 ounces of Rochelle salts and 16 ounces of water, mixed with 1 ounce of a solution containing 8 ounces of silver nitrate and 6 ounces of 28% concentrate of ammonia, permitting the solution thus applied to remain on the surface a predetermined length of time, then applying a hot solution containing 1 pint of water, 2 ounces of a solution formed of 16 ounces of distilled water mixed with 2 ounces of Rochelle salts and ¼ ounces of an additional solution formed of 8 ounces of silver nitrate mixed with 6 ounces of 28% concentrate of ammonia, and subsequently cleaning the surface of the glass and permitting the same to dry.

1,588,511. MACHINE AND PROCESS FOR BLENDING AND STRIPPING TOBACCO. JOSEPH H. AUSTIN and BERT W. GINN, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 29, 1924, Serial No. 740,561. Renewed Nov. 12, 1925. 34 Claims. (Cl. 131—57.)



1. The method of stripping tobacco, which comprises subjecting the leaves to a succession of disintegrating operations, winnowing out the buoyant particles between successive operations and discharging heavier particles by gravity at regular intervals after a selected number of operations.

1,588,512. ELECTRICAL COIL. WALTER M. AUSTIN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 19, 1922. Serial No. 589,104. 4 Claims. (Cl. 175—356.)



1. An element for a composite electric coil comprising a strip of metal, a loop formed intermediate the ends of said metal strip and extending in approximately the plane of said metal strip, the metal at the overlapping portion of said loop being displaced under pressure.

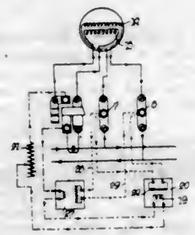
1,588,513. METHOD OF MAKING ANODES. CLARENCE G. BACKUS, New York, N. Y., assignor to A. P. Munning & Co., New York, N. Y., a Corporation of New Jersey. Filed June 6, 1925. Serial No. 35,364. 3 Claims. (Cl. 204—4.)

1. The method of making specially shaped anodes of electrolytically deposited metal, which comprises laying

out upon a core, conducting areas corresponding in shape to the section of anode desired, subjecting such core to

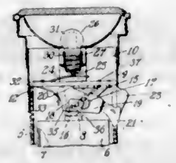
electrolytic treatment to deposit metal upon such conducting areas, removing the built up metal anode units from the core and mounting them upon an anode support.

1,588,514. ELECTRICAL SYSTEM. ALBERT P. BALL, Royal Oak, Mich., assignor to Square D Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 1, 1918. Serial No. 247,767. 3 Claims (Cl. 175—183.)



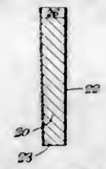
1. A meter testing block permitting the testing of a meter without requiring excessive current from the mains to supply the customer's load and at the same time test the meter to its full capacity, comprising terminal straps arranged upon said block and provided with binding posts at their extremities for permanently connecting thereto a potential circuit and series coil of the meter, a contact in close proximity to certain of said terminal straps, said contact provided with a movable connector adapted to make and break contact between the last said terminal straps, line connections permanently connected to said contact and one of the last said terminal straps, all of said terminal straps provided with removable test connections for establishing a closed meter testing circuit which includes the primary and secondary connections of a phantom load, said meter testing circuit being established with the customer's load disconnected therefrom upon a single movement of said movable connector.

1,588,515. SWITCH. EDMUND R. BARANY, Brooklyn, N. Y. Filed Dec. 10, 1924. Serial No. 754,913. 16 Claims. (Cl. 200—60.)



1. A switch comprising a pair of contacts, and means for electrically connecting and disconnecting said contacts comprising a pivotal and slidable operating member requiring movement in two general directions to effect electrical connection between said contacts.

1,588,516. CONCRETE PILING. ALBERT FENTON BARNES, Brooklyn, N. Y. Filed Mar. 31, 1923. Serial No. 629,004. 2 Claims. (Cl. 61—56.)



1. As a new article of manufacture a portable reinforced concrete pile unit consisting of a slightly tapered cylindrical metal casing filled with concrete, said casing serving as a form for the concrete for pouring and setting purposes and as a reinforcement in the manipulating and using of said concrete pile unit.

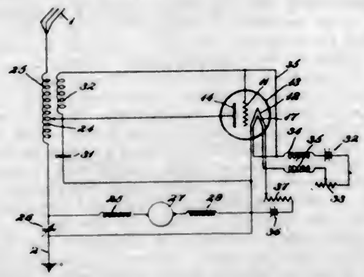
1,588,517. IMPULSE-TRANSMITTING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 15, 1924. Serial No. 699,423. 10 Claims. (Cl. 179—90.)

1. In an impulse transmitting device of the dial type, impulse springs, a cam for operating said springs in opposite directions, and means for moving said springs out of range of the cam while maintaining them in electrical contact during a certain operation of said cam.

1,588,518. ALLOY OF TANTALUM. PORTER H. BRACE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1919. Serial No. 291,033. 1 Claim. (Cl. 75—1.)

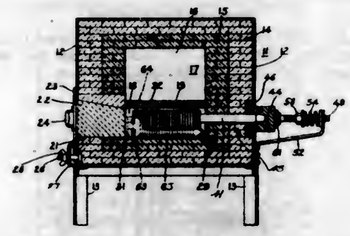
An alloy resistant to acids and oxidation comprising 5 to 30% chromium and the remainder tantalum and nickel in substantially the proportions of 1 to 75% nickel and 25 to 99% tantalum.

1,588,519. GRID LEAK. QUINCY A. BRACKETT, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 29, 1921. Serial No. 504,126. 7 Claims. (Cl. 250—36.)



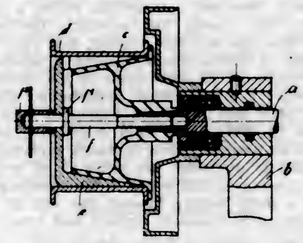
1. In an evacuated electric device, an anode, an electron-emitting cathode, a grid electrode, a second electron-emitting cathode and means for maintaining said last-mentioned cathode at grid potential, whereby said cathodes serve as electrodes for providing a grid-leak path.

1,588,520. ELECTRIC FURNACE. EDWARD J. BRANNIGAN, Buffalo, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 29, 1924. Serial No. 709,729. 7 Claims. (Cl. 204—64.)



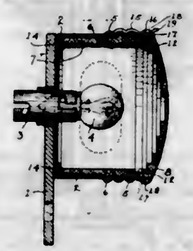
1. In an electric resistance furnace, the combination with a plurality of refractory walls enclosing a furnace chamber and having an opening in one wall thereof and a removable, refractory closure member for said opening, of a refractory tray, movable into and out of said chamber, through said opening, and a refractory resistor member located in said tray.

1,588,521. SPOOL FOR WIRE DRAWING. LOUIS BRÉGUET and PAUL BRÉGUET, Geneva, Switzerland. Filed Dec. 11, 1923, Serial No. 680,045, and in France July 19, 1923. 6 Claims. (Cl. 242—78.)



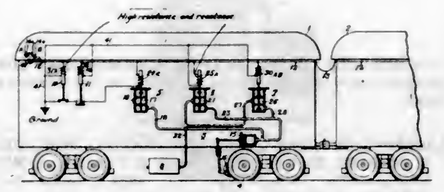
1. A drawing spool, comprising a one-piece conical hub; an annular rim encircling said hub; and a one-piece expansible sleeve also encircling the hub and interposed between the same and the rim, said sleeve and rim being removable bodily as a unit from said hub.

1,588,522. SIGNAL-LIGHT CONSTRUCTION. THEODORE C. BROWNE, Cleveland, Ohio. Filed Jan. 24, 1923. Serial No. 614,546. 5 Claims. (Cl. 240—8.3.)



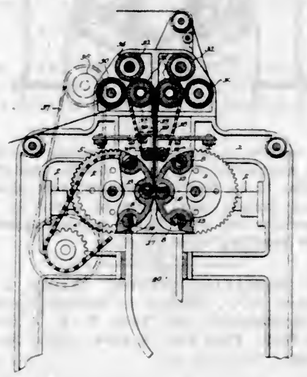
3. A lamp comprising a cup-shaped metallic receiver having its skirt screw-threaded, a cup-shaped member to transmit light having a cylindrical skirt integrally threaded, the skirt of the receiver substantially enclosing the skirt of the member, an opening in the skirt of the receiver and means to detachably secure the receiver and member against relative movement.

1,588,523. BRAKING SYSTEM. ANDREW H. CANDEE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1919. Serial No. 291,094. 4 Claims. (Cl. 303—20.)



1. The combination with a pneumatic brake, of means comprising a plurality of valves for controlling various operations of said brake, means comprising a normally open valve for effecting emergency application of said brake, and means comprising alternatively employed sources of energy and a single conductor for energizing said valve to discontinue said application and for controlling other brake operations.

1,588,524. INTERFOLDING MACHINE. WILLIAM H. CANNARD and GLENN A. SHAFFER, Green Bay, Wis., assignors to said Cannard. Filed Nov. 3, 1924. Serial No. 747,632. 32 Claims. (Cl. 270—39.)

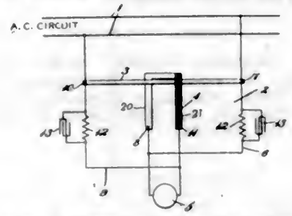


12. In an interfolding machine, a drum, means for rotating it, a set of oscillatable vise-members thereon, one of which is relatively stationary and the other movable in respect thereto, means for actuating the one member toward and from the other, and mechanism associated with one of the members and having a normal tendency to move the same with pressure toward the other member.

1,588,525. ELECTRICAL MEASURING INSTRUMENT. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1921. Serial No. 499,015. 6 Claims. (Cl. 171—95.)

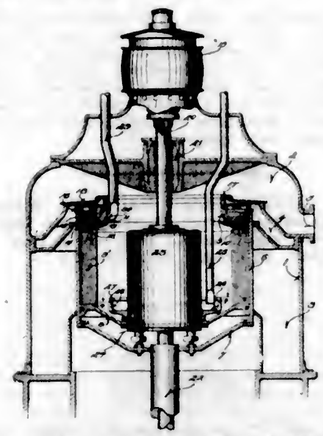
1. The combination with a main circuit and a heater therein, of an auxiliary circuit including a thermo-couple

co-operating with said heater to effect a thermally-derived difference of potential in the auxiliary circuit, and means



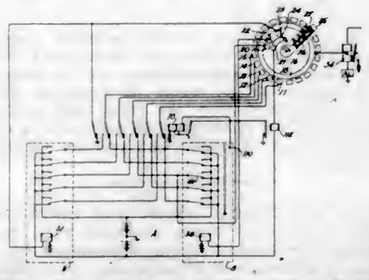
for neutralizing a difference of potential other than said thermally-derived difference of potential in the auxiliary circuit.

1,588,526. PROCESS AND APPARATUS FOR DEWATERING MATERIAL. HENRY B. CLEVELAND, Milwaukee, Wis. Filed Sept. 18, 1922. Serial No. 588,899. 15 Claims. (Cl. 233—7.)



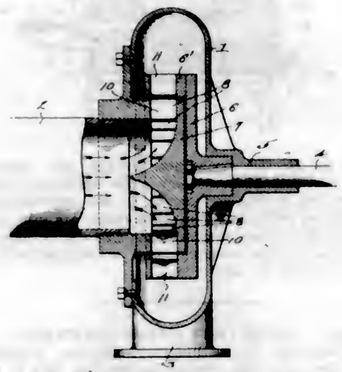
1. The process of dewatering material, which process comprises positioning a layer of filtering material, forcing material to be dewatered against said filtering material, and causing dewatering to occur by centrifugally separating the clear liquid and simultaneously filtering any resulting cloudy liquid.

1,588,527. SIGNALING SYSTEM. ALLISON A. CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1924. Serial No. 693,514. 16 Claims. (Cl. 178—5.)



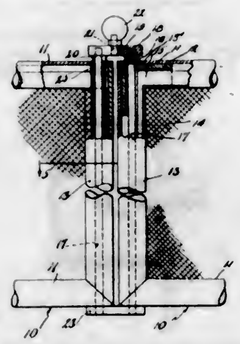
7. The method of electrical transmission of pictures which consists in perforating a code in a tape to indicate a change in the elemental tone values of the picture, causing the transmission of current impulses corresponding to such code to operate a picture reproducer and reproducing a series of like tone values of the picture independently of said current impulses until a code indication of a different elemental tone value of the picture is received.

1,588,528. HYDRAULIC TURBINE. ROYDEN O. COUCH, Grant, Fla. Filed Nov. 27, 1922. Serial No. 603,589 1 Claim. (Cl. 253—167.)



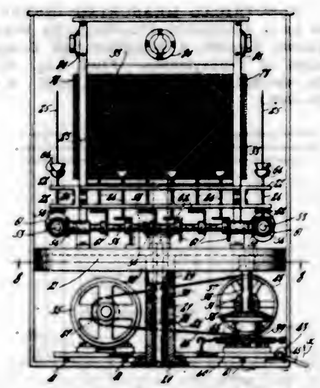
In an hydraulic turbine, an outer casing having a substantially circular form in cross-section and provided with a central inlet and a tangential outlet, a rotor projecting into said casing and eccentric therewith and supported from one side-wall thereof, said rotor containing a series of curved vanes adapted to discharge the water outwardly at an acute angle to the circumference of said rotor, a fixed conical distributor within and concentric with said rotor and supported from the opposite side of said casing, said distributor being provided with an annular series of vanes surrounding said inlet adapted to discharge the water at an acute angle thereto in the opposite direction to the discharge of said rotor, and a shaft passing through the wall of said casing and adapted to rotatably support said rotor.

1,588,529. HINGE ARRANGEMENT FOR FOLDING SCREENS. HAROLD B. CRANSHAW, West Newton, Mass., assignor to Cutter Manufacturing Company, Everett, Mass., a Corporation of Massachusetts. Filed Apr. 9, 1925. Serial No. 21,836. 12 Claims. (Cl. 126—202.)



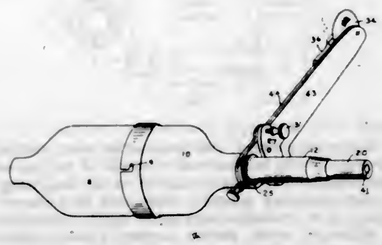
1. A joint unit for folding sectional screens comprising a pair of rods, and means connecting said rods at their opposite ends whereby movement of one of said rods transmits movement to the other of said rods.

1,588,530. MULTIPLE COOKING MACHINE. CHARLES N. CURRIER and MAURICE C. MERRILL, Salem, Mass. Filed Apr. 13, 1925. Serial No. 22,628. 8 Claims. (Cl. 219—19.)



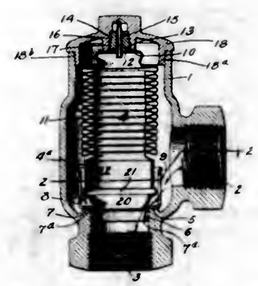
1. A multiple cooking machine comprising a fixed supporting base, a carrying frame mounted to rotate on a vertical axis supported by the base, a group of vertical spindles, in bearings on the frame and arranged in hollow formation around the axis of the frame, each spindle having a terminal adapted to hold an article to be cooked, heating means carried by the frame within the group of spindles and arranged to act simultaneously on the articles confined on the spindle terminals and operating mechanism, including means for rotating the frame about its axis, and means for rotating the spindles about their several axes, the arrangement being such that each spindle is revolved about the axis of the frame, and rotated on its own axis, so that it has a planetary motion presenting different sides of the confined article to the heating means.

1,588,531. SURGICAL SAW. HUGH DENNIS, New York, N. Y., assignor to The Kny-Scheerer Corporation of America, New York, N. Y., a Corporation of New York. Filed Mar. 1, 1924. Serial No. 696,145. 5 Claims. (Cl. 128—317.)



1. In a surgical saw the combination of an electric motor, a detachable shaft adapted to lock into the shaft of said motor and having means for mounting tools therein, a gear cut into said detachable shaft, a bearing member mounted on said shaft, an arm mounted on said bearing member and carrying a saw and a train of transmission gears adapted to transmit the motion from said shaft to said saw, a shift gear mounted in said arm and adapted to transmit motion from said gear on the shaft to said train of gears in the arm when in meshed position.

1,588,532. VALVE. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 13, 1921. Serial No. 461,006. 2 Claims. (Cl. 236—56.)



1. In a valve, the combination of a valve casing having an inlet port and an outlet port, an expansible-collapsible member in the casing, said member having at one end a cylindrical portion and having an intermediate corrugated portion, a valve seat having a portion seated within one of said ports, said valve seat having an annular seating shoulder and an upwardly-extending cylindrical flange having openings therethrough, and a valve cooperable with the valve seat and consisting of an integral structure including a hollow valve portion in cup form having at one end a cylindrical flange extension telescopically engaged with said cylindrical flange of the expansible-collapsible member and secured thereto, said structure having an external circumferential bead cooperating with the flange on the valve seat to thereby space the valve from said flange.

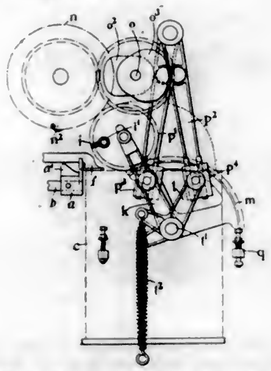
1,588,533. OPEN OR ATTACHABLE LINK. EDGAR P. ELZEY, Parkersburg, W. Va. Filed Nov. 13, 1920. Serial No. 423,775. 2 Claims. (Cl. 24—239.)

1. A repair link consisting of a rod of uniform diameter throughout its entire length bent to form a back and two return portions, the latter each having opposed faces spaced apart to permit the passing between them of the links to be connected, characterized by the provision of an inwardly directed hump in the intermediate portion of said back.

1,588,534. PROCESS FOR TREATING IRON CASTINGS. HARRY A. ENGMAN, Jr., Goshen, Ind., assignor to Engman Range Eternal Co., Goshen, Ind., a Corporation of Indiana. Filed Aug. 31, 1925. Serial No. 53,747. 2 Claims. (Cl. 148—4.)

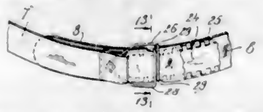
2. The improved process of producing polished malleable iron castings which consists in first polishing the "green" casting and then annealing the same whereby the finished product is rendered more rust resistant.

1,588,535. AUTOMATIC FEEDING MECHANISM FOR SHEET-PRINTING MACHINES. ARTHUR BUAROUGHES EVANS, Leeds, England. Filed Sept. 3, 1924, Serial No. 735,680, and in Great Britain Nov. 7, 1923. 10 Claims. (Cl. 271—27.)



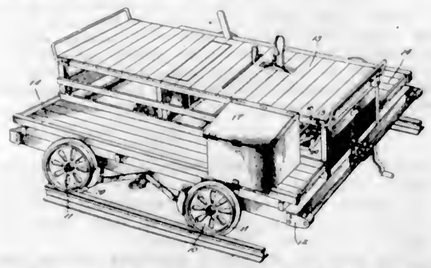
1. Automatic feeding apparatus for sheet printing machines consisting in combination of a movable suction nozzle adapted to engage the topmost sheet of a pile of sheets, means for moving the suction nozzle synchronously with the printing machine cycle for moving the topmost sheet engaged by it upon the pile into position on the pile in register, a stop against which the said topmost sheet is brought into register and separate means for transferring to the printing position the topmost sheet on the pile from the position in which it has been brought into register thereon, substantially as described.

1,588,536. ADJUSTABLE CAP. PHILIP A. FISCHER, New York, N. Y. Filed Mar. 16, 1925. Serial No. 16,060. 7 Claims. (Cl. 24—206.)



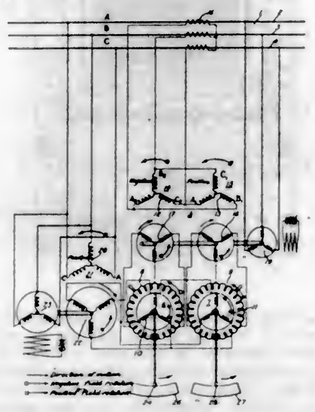
1. A fastener for adjustable caps or the like, comprising a member having a plurality of notches therein, and a second member partially looped about said notched member and having a lug adapted to engage the notched member to lock the two members together.

1,588,537. PORTABLE POWER UNIT. RAYMOND BENSON FISHER and MERL J. HARKLESS, Harvey, Ill., assignors to The Buda Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1920. Serial No. 420,661. 8 Claims. (Cl. 105—101.)



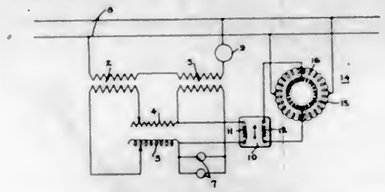
1. In a railroad section car comprising a body having a central portion and ledges substantially coextensive therewith, a prime mover mounted in said central portion, a dynamo-electric machine positioned on one of said ledge portions, and means for driving said dynamo-electric machine from said prime mover.

1,588,538. ELECTRICAL MEASURING INSTRUMENT. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1920, Serial No. 406,856. Renewed Oct. 15, 1925. 9 Claims. (Cl. 172—245.)



7. In combination, a polyphase circuit, means for segregating the positive and negative phase-sequence components, respectively, of the currents and a phase-sequence component of the voltages in said circuit and a volt-ampere meter actuated in accordance with the product of two of said components.

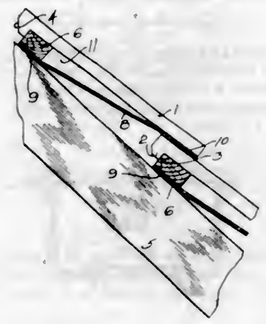
1,588,539. TESTING DEVICE. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1922. Serial No. 590,180. 5 Claims. (Cl. 175—183.)



3. In a testing device, the combination with a standard transformer and a transformer to be tested having series-related primary windings connected to an energizing circuit, and secondary windings connected in series-circuit relation, of a variable impedance device connected in said secondary series circuit between two terminals of said secondary windings, a second variable impedance device connected in said secondary series circuit between two other terminals of said secondary windings, and indicating means connected across said impedance devices.

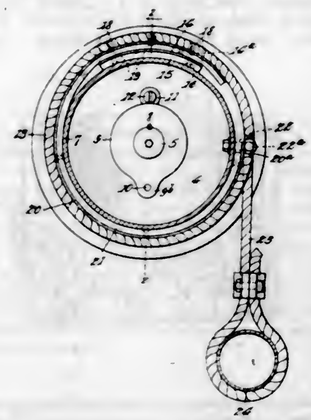
1,588,540. ROOF. ARTHUR B. FOSSEEN, Spokane, Wash. Filed Oct. 17, 1925. Serial No. 63,043. 1 Claim. (Cl. 108—10.)

A roof structure comprising rafters and crossed, spaced parallel cleats, courses of tile shingles supported from said cleats with the lower edges of said courses overlapping the upper edges of a lower course of tile, a weather strip between adjoining cleats, each said strip having its upper edge secured to rafters beneath a cleat



and its lower edge cemented between the lower edge of an upper course of tile and the upper edge of a lower course of tile.

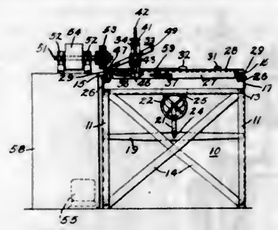
1,588,541. RECOIL SNUBBER FOR VEHICLES. ROYCE R. FOSTER, Wheeling, W. Va. Filed Mar. 3, 1924. Serial No. 696,459. 7 Claims. (Cl. 267—10.)



1. In a snubber, a stationary member, a drum mounted for rotary movement, a spring tending to resist such movement in a forward direction, a shoe disposed for movement into and out of seated frictional relation to the face of said drum under rebound and load conditions, respectively, a friction band attached to and embracing said drum and having a portion thereof movable into and out of frictional engagement with said shoe, and a flexible connecting member wound upon said band and attached to said drum.

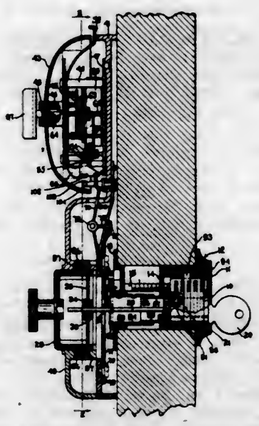
1,588,542. RIMMING MACHINE. JOHN C. FOX, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Mar. 1, 1923. Serial No. 622,106. 6 Claims. (Cl. 15—21.)

3. In a rimming machine, in combination, a rotatable brush, a reciprocally movable means for supporting material to be operated on by said brush, and adjustable means on said supporting means for holding material



thereagainst and for permitting said brush to operatively engage said material over a predetermined edge portion only.

1,588,543. ALARM LOCK. WARREN F. FRASER, Westboro, Mass., assignor of one-half to Morris Green, New York, N. Y. Filed Oct. 18, 1922. Serial No. 595,346. 14 Claims. (Cl. 116—8.)

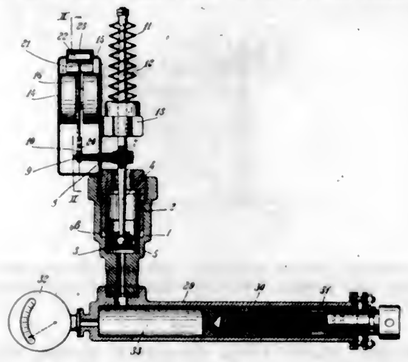


11. In combination with a door frame and a door, an alarm lock for the door comprising an alarm mechanism, a trigger device which maintains the same normally inoperative, a reciprocable and laterally movable bolt, a key controlled tumbler device connected to reciprocate the bolt, a resiliently mounted casing for the tumbler device which is movable only by forcible use of the wrong key, means operated by lateral movement of the bolt to move the trigger device and means operated by movement of the casing to operate the trigger device positively, whereby an incessant alarm is sounded upon an attempt to utilize the wrong key in the lock, or when the bolt is moved laterally relative to the frame.

1,588,544. DEVICE FOR CONVERTING PRESSURE EFFECTS INTO EQUIVALENT ELECTRICAL EFFECTS. AUGUST FRISCH, Munich-Solln, Germany. Filed June 23, 1923, Serial No. 647,297, and in Germany June 29, 1922. 8 Claims. (Cl. 177—351.)

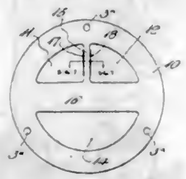
1. In the method of making a slot in an element of an engine power measuring mechanism having a fluid pressure sensitive device, an electrical resistance, a rolling contact device one of said devices provided with such slot, and a roller on the other of said devices

entering said slot, the steps of determining said slot, which comprise replacing said roller by a driven cutting tool, placing said pressure sensitive device under measured



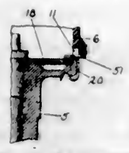
pressures, and positively rolling said contact device to positions on said resistance to indicate electrical indications corresponding to said pressures.

1,588,545. ELECTROMAGNETIC DRIVER. WILLIAM H. GERNS, East Orange, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 28, 1925. Serial No. 71,990. 8 Claims. (Cl. 179—108.)



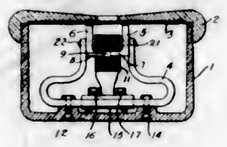
1. In an electromagnetic driver, a sound reproducing diaphragm, a pair of electromagnetic driving units positioned opposite each other, an armature positioned between said electromagnetic driving units, said armature comprising a flat sheet of magnetic material apertured in a plurality of segments one of which is substantially semi-circular, a band extending between each of said segments, one of said bands being directly actuated by attractive and repulsive forces of said electromagnetic driving units and the other of said bands being arranged to deliver mechanical vibrations from said armature to said sound reproducing diaphragm.

1,588,546. COMBINED TIMER AND DISTRIBUTOR. CLARENCE F. GILCHRIST and HARRY R. PATTERSON, Toledo, Ohio, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed July 21, 1920. Serial No. 397,895. 2 Claims. (Cl. 200—19.)



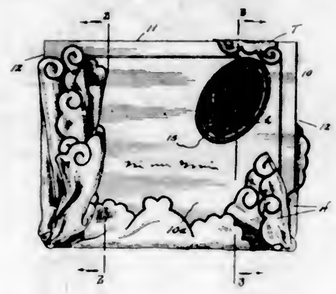
1. In an ignition timer, the combination of a frame comprising a shaft bearing portion and a casing, a shaft journalled in said portion, a cam carried by said shaft, a plate mounted in said casing for adjustment about said shaft, interrupter mechanism carried by said plate, said casing having openings adjacent said plate and spring clips projecting through said openings and removable from the exterior of the casing for holding said plate in yielding engagement with said casing.

1,588,547. TELEPHONE RECEIVER. LAWRENCE R. GOLLADAY, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 25, 1924. Serial No. 708,905. 2 Claims. (Cl. 179—117.)



1. In a telephone receiver, a magnetic circuit comprising a diaphragm, a permanent magnet, a pair of pole pieces thereon of greater incremental permeability than the permanent magnet, said pole pieces having portions forming a magnetic shunt, and a source of alternating magnetomotive force associated with said magnetic shunt.

1,588,548. NOVELTY HANDKERCHIEF PACKAGE. ELMER P. GOLDSMITH, Newark, N. J., assignor to Miller & Goldsmith, New York, N. Y., a Firm consisting of William G. Miller and Elmer P. Goldsmith. Filed Feb. 26, 1926. Serial No. 90,816. 2 Claims. (Cl. 206—46.)

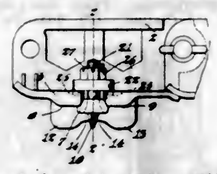


1. The herein described handkerchief package comprising a holder composed of a plurality of plies of laminated material folded in flat form along a bending or hinge line, one panel thereof being provided with a window, a handkerchief extending between the plies and held in substantially flat form therebetween, the handkerchief having an ornamented portion visible through said window and protected by the margin thereof, the folded edge portion of the holder being provided with a slot through which a tip portion of the handkerchief is laced and whence it is draped downward toward said window.

1,588,549. GROUSER. ORRIS A. HARKNESS, Bangor, Me., assignor to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Sept. 23, 1921. Serial No. 502,758. 7 Claims. (Cl. 305—10.)

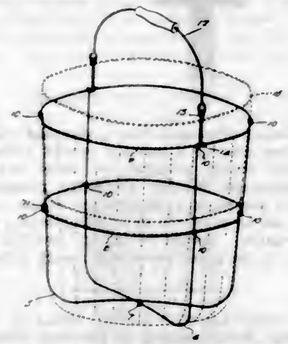
1. A grouser for tractor track links of the type having a groove in each side thereof, comprising a bar adapted to extend across the tread face of one of said links and shaped to fit against said face, a calk projecting from said bar, lugs at the opposite ends of said bar, rigid

therewith, and shaped to fit snugly within said grooves, an arm projecting from one end of said bar and shaped to extend through one of said grooves, said arm having



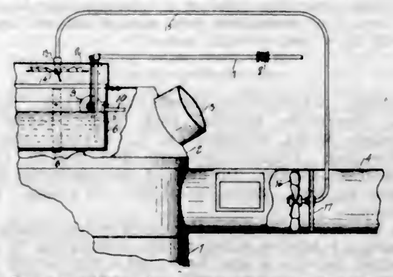
a head on the end thereof to rest on said link at the upper end of the groove, and a bolt extending through the end of said bar opposite to said arm and arranged to secure the latter end of said arm to the link.

1,588,550. CARRYING FRAME FOR BASKETS. ALEXANDER PINKNEY SMITH, East Macon, Ga. Filed Nov. 7, 1924. Serial No. 748,445. 1 Claim. (Cl. 224—45.)



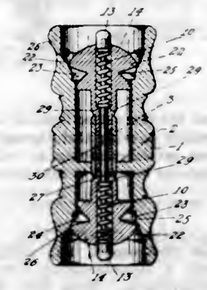
A carrying frame for baskets comprising a pair of U-shaped wire members arranged at right angles to each other with the bight portion of one member crossing and looped about the bight portion of the other member, a pair of vertically spaced wire rings about which the arms of said members are looped to support said rings in position, the arms of one of said members being carried above the upper ring and coiled to provide eyes above said ring and being then carried downwardly and again looped about the upper ring in such manner that the eyes are connected to the upper ring by two stands lying close together and a wire bale having hooked extremities engaged in said eyes.

1,588,551. HUMIDIFIER. CLARENCE C. SPRINKLE, Marion, Ind., assignor of one-third to (Miss) Christian E. Smith, Marion, Ind. Filed Oct. 1, 1923. Serial No. 666,023. 2 Claims. (Cl. 126—113.)



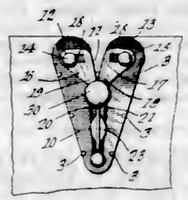
1. In a humidifier for hot air furnaces, a vaporizing tank arranged in the furnace air chamber, water supply means for said tank, a rotary vapor agitator for said tank, a rotary fan in the smoke pipe of the furnace, and power transmission means connecting said fan and vapor agitator.

1,588,552. CONTAINER AND DISPENSER. CLARENCE C. SPRINKLE, Marion, Ind. Filed Jan. 15, 1925. Serial No. 2,607. 2 Claims. (Cl. 65—45.)



1. In a condiment container and dispenser, a tubular body formed of a single piece of material, the ends of said body being of a greater interior diameter than its intermediate portion, an inner transverse perforate partition dividing the intermediate body portion into a large and a small compartment, a guide sleeve arranged in said partition and projected almost entirely into the large compartment, valves normally closing the ends of said body and the relatively remote ends of said compartments, the inner ends of said valves being disposed in said guide sleeve, a rod connecting said valves and extending through said guide sleeve, an enlargement formed upon said rod within said sleeve for engagement by the inner ends of said valves singly, push buttons at the opposite ends of said rod, and springs encircling said rod and connecting said buttons and the inner periphery of said valves.

1,588,553. CURTAIN FASTENER FOR AUTOS. CLARENCE R. TEAFORD, Farmland, Ind. Filed Mar. 6, 1925. Serial No. 13,517. 2 Claims. (Cl. 24—211.)

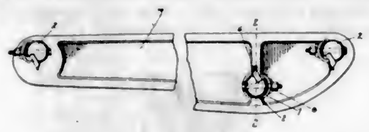


2. In a device of the character described, a plate having a slot extending from one edge thereof, latch members having transversely disposed elongated openings, studs extending through the openings and having connection with the plate adjacent to the slot, springs engaging the latch members to normally urge the latch members towards each other, and a cam disposed between the springs for moving the latch members away from each other, and said latch members adapted to hold a stud within the slot.

1,588,554. MANUFACTURE OF A PHARMACEUTICAL PRODUCT. ALBRECHT THIELE, Berlin, Germany, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed May 18, 1923, Serial No. 639,976, and in Germany May 29, 1922. 2 Claims. (Cl. 260—33.)

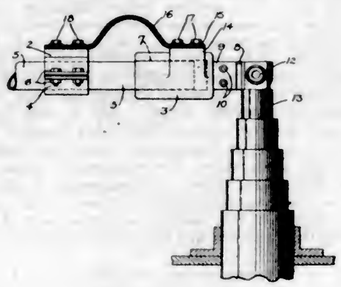
1. The reaction product of the combination of diallylbarbituric acid with 4-dimethylamino-2.3-dimethyl-1-phenyl-5-pyrozolon.

1,588,555. PIVOT MOUNTING. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Feb. 18, 1920. Serial No. 359,581. 7 Claims. (Cl. 308—2.)



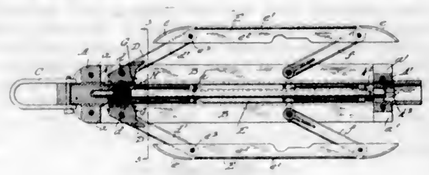
1. In a device of the class described, in combination, a lever, a pivot retainer passing therethrough and secured thereto, said pivot retainer having a two-sided groove therein, and a pivot bar secured in said groove.

1,588,556. EXPANSION CONNECTER. ARTHUR W. THOMPSON, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,093. 2 Claims. (Cl. 173—324.)



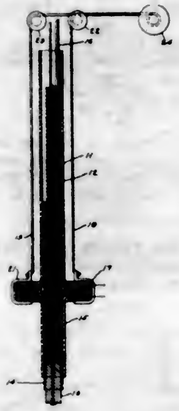
1. A connecter for electrically connecting an expansible conductor to a substantially stationary terminal comprising a rigid socket member for supporting the conductor for movement relative thereto and having a terminal connection that may be adjusted to various angular positions with respect thereto, and a flexible connecter attached at one end to the said socket member and at the other end to the conductor.

1,588,557. PIPE-CLEANING APPARATUS. JOHN M. THOMPSON and WILLIAM H. THOMPSON, Buffalo, N. Y. Filed May 13, 1925. Serial No. 29,920. 4 Claims. (Cl. 15—104.19.)



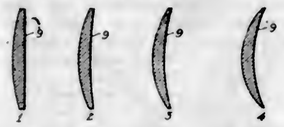
4. A pipe cleaning device including a frame member comprising end pieces, bars extending lengthwise of said device and secured to said end pieces, arms pivotally connected to said bars and adapted to swing outwardly with reference to said frame member, worm gear segments connected with said arms and a worm journalled in said end pieces and engaging said segments for adjusting said arms.

1,588,558. SHEATHED HEATING UNIT. FRANK THORNTON, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 29, 1924. Serial No. 709,713. 7 Claims. (Cl. 201—64.)



7. The method of constructing a sheathed heater unit that comprises placing a helically wound resistor in a tubular metal sheath, plugging the lower end of said sheath, temporarily heating successive restricted portions of said sheath to a temperature higher than that to which it will be subjected in actual operation and compacting granular electric-insulating material around said resistor at the point where said sheath is heated.

1,588,559. OPHTHALMIC LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 28, 1924. Serial No. 716,411. 10 Claims. (Cl. 88—54.)

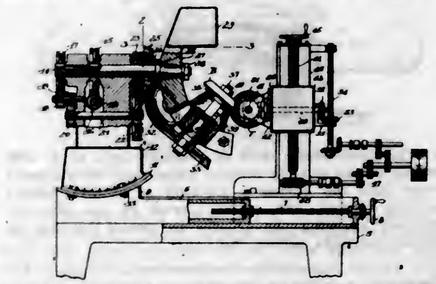


1. An ophthalmic lens having on one side thereof a shape curve lying between a shape curve for a lens of the required power having a maximum amount of marginal astigmatism of less than proximate lenses in the ophthalmic series vary from each other at a corresponding place in the series and a shape curve for the same lens having a maximum amount of marginal focal variation of less than proximate lenses in the ophthalmic series vary from each other at a corresponding place in the series, as determined from several different shape curves for a lens of equal power.

1,588,560. METHOD OF GENERATING GEARS. NIKOLA TREBOJEVICH, Highland Park, Mich., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Original application filed Dec. 20, 1920, Serial No. 431,890. Divided and this application filed Mar. 14, 1925. Serial No. 15,701. 15 Claims. (Cl. 90—5.)

1. The method of generating gears which consists in imparting a relative rolling motion, continuously in one direction, between a gear blank and a continuously rotating tool to generate teeth on the blank while tool and blank are in engagement and to return the blank periodically into engagement with the tool.

10. A method of generating gears adapted to mesh with a basic crown gear in which the blank has a continuous planetary movement relatively to a tool representing a tooth of the basic gear and is actuated by

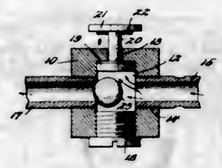


gearing, one member of which is a crown gear which has a tooth number prime to the tooth number of the crown gear represented by the tool whereby a different portion of the blank is presented to the tool each time the blank comes into engagement therewith.

1,588,561. AIR-LIFT PUMP. RALPH H. TUCKER, Los Angeles, Calif. Filed June 9, 1924. Serial No. 718,794. 12 Claims. (Cl. 103—53.)

1. In an air pump, the combination with an oil tubing string and an air pipe string, of a reducer secured to the lower end of the oil tubing, an internal seat in the reducer, a housing extending downwardly from the reducer, a spider secured to the lower end of the air pipe and engaging the seat, a tubular cylinder extending from the air pipe through the spider, a cylinder supporting member extending from the spider downwardly, a cylinder head at the lower end of the supporting member and having inlet and outlet check valves, a piston cylinder extending downwardly from the cylinder, means forming a head in the lower end of the cylinder, a spring buffer in the head, a piston in the piston cylinder, a hollow stem extending upwardly from the piston slidingly through the first cylinder head and slidingly into the air pipe cylinder, there being air outlet ports through the hollow stem above the first cylinder head, and a hollow valve closed at its upper end and extending slidingly through the hollow stem and adapted to be reciprocated in the stem by engagement with the buffers as the piston goes up and down, there being ports and port closing means operated by the reciprocation of the valve so as to let the air from the air pipe raise the piston and so as to exhaust the air to lower the piston.

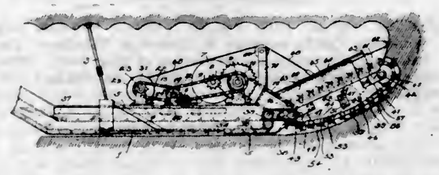
1,588,562. VALVE. EDWARD B. VIVES, New York, N. Y. Filed Dec. 4, 1924. Serial No. 753,897. 4 Claims. (Cl. 251—135.)



1. A valve comprising a chambered block having opposed inlet and outlet ports, a ball in the chamber of said block adapted to cover the outlet port, and a plunger in said chamber having a stem projecting on the outside of the block adapted to engage the ball and move it transversely from said outlet port, said plunger being manually movable against fluid pressure in the chamber.

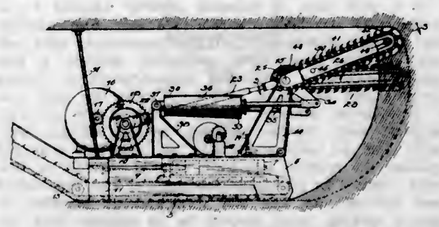
4. A valve comprising in combination, a block formed with a bore opening at one side thereof and with a smaller coaxial bore opening at the other side and communicating with the first bore, a removable plug in the open end of the first bore, a plunger in the first bore having a stem projecting through the smaller bore and carrying on its end a disk, a washer on said stem, a ball in the first bore between the plug and plunger, said block being also formed with a bore on an axis intersecting the axis of the first bore at a right angle and adapted to receive therein conduits, said ball being adapted to seat on the orifice of one of said conduits.

1,588,563. MINING MACHINE. WALTER J. WILSON, Sewickley, Pa. Filed Dec. 19, 1921. Serial No. 523,453. 20 Claims. (Cl. 262—5.)



1. In a mining machine, a movable carriage, a cutting arm pivoted at the front end of the carriage and movable in a vertical plane, a conveyor also mounted in the carriage and comprising a bottom plate with an upward extension just below the inner end of the arm, a movable belt with flights thereon engaging the plate to move material rearwardly, and cutting means carried by the arm for depositing mined material at the inner end of the arm and on the upward extension of said plate.

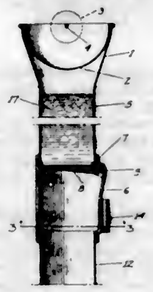
1,588,564. MINING AND LOADING APPARATUS. WALTER J. WILSON, Sewickley, Pa. Filed Dec. 19, 1921. Serial No. 523,455. 11 Claims. (Cl. 262—28.)



1. A mining machine comprising a bottom pan, a carriage slidably mounted on said pan, means for moving said carriage, a plurality of cutter arms mounted on said

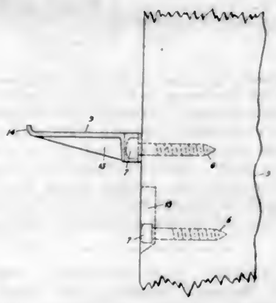
carriage and adapted to swing vertically and means which may be manually controlled during the operation of the machine for swinging each arm independently of the other arms.

1,588,565. SAFETY ASH TRAY. MAY WING, Stockton, Calif. Filed May 3, 1924, Serial No. 710,747. Renewed Mar. 10, 1926. 2 Claims. (Cl 131—51.)



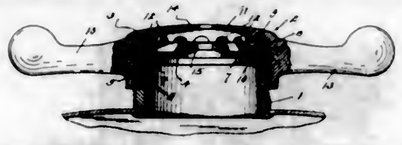
1. A safety ash tray including a vertical tubular member open at both ends and adapted to be mounted in a fixed position with its lower end in a position to discharge into the open, means for enabling a supply of water, dischargeable at will from the lower end of the tube, to be carried in the latter; and an upsettable ash bowl mounted in the tube above the water level, said bowl normally forming a closure member for the tube whereby to prevent water from splashing out of the upper end of the tube.

1,588,566. STEP FOR POLES. EINAR WISMER, San Francisco, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 23, 1924. Serial No. 745,434. 1 Claim. (Cl. 228—47.)



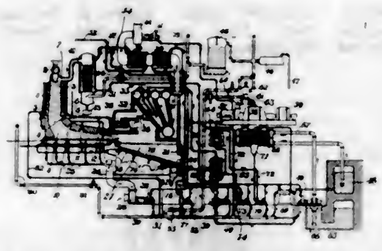
In a pole step, a threaded member adapted to be permanently attached to a pole in a horizontal position, said member including an enlarged rectangular head portion and an intermediate cylindrical portion, a foot support having a continuous horizontal tread surface abutting and extending outwardly from the pole, and a rectangular chamber portion at one end of said support, said chamber portion having vertical side walls and an end wall with an inverted U-shaped opening, the vertical side walls of said chamber portion being adapted to so engage the sides of the rectangular head portion and said end wall and its inverted U-shaped opening being adapted to so register with the rear of said head portion and said cylindrical portion, respectively, that rocking of said foot support is prevented.

1,588,567. CAP FOR RADIATORS OF AUTOMOBILES. FREDERICK H. AULD, Columbus, Ohio, assignor to The D. L. Auld Company, Columbus, Ohio. Filed June 13, 1924. Serial No. 719,815. 2 Claims. (Cl. 220—24.)



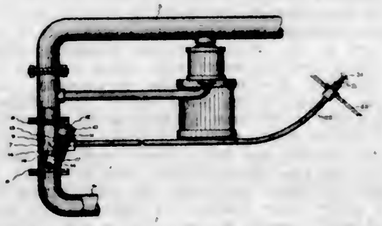
1. The combination with a radiator cap, of a disk threaded in the cap for vertical adjustment with respect thereto, said cap having a plurality of grooves formed interiorly thereof, and means carried by the disk for selectively engaging the grooves to retain the disk in adjusted positions within the cap.

1,588,568. POWER-PRODUCING SYSTEM. ALFRED WILLIAM BENNIS, Bolton, England. Filed Mar. 23, 1920, Serial No. 368,184, and in England Mar. 12, 1919. 3 Claims. (Cl. 60—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



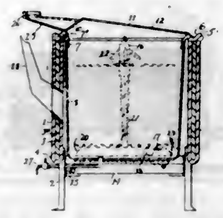
1. A power producing plant comprising a steam prime mover, a plurality of steam driven auxiliaries, to said prime mover, a boiler supplying steam thereto, a furnace heating said boiler, a gas producer, means to pass heat fuel to said producer, means to pass coke from said gas producer to said furnace, an exhaust pipe common to said steam driven auxiliaries, means to pass steam from said exhaust pipe to said gas producer to carbonize the fuel therein, a bleed steam pipe to take off steam from the prime mover to heat water and an automatic valve on said steam pipe so that steam may pass in one direction from the exhaust pipe of the auxiliaries to the bleed steam pipe whenever the pressure in this latter falls below a predetermined value.

1,588,569. COMPRESSION BRAKE. FRANK ELLISON BEST, Seattle, Wash. Filed June 10, 1924. Serial No. 719,192. 3 Claims. (Cl. 188—99.)



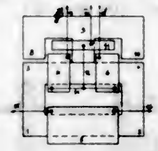
1. The combination with a motor vehicle having an engine provided with exhaust means, of compression brake devices embodying a valve controlling the opening and closing of said exhaust means, and means including a foot pedal operable from the driver's seat for actuating said valve.

1,588,570. BOILER. JOHN WAINWRIGHT BOWERBANK, Kidderminster, England. Filed Apr. 5, 1924. Serial No. 704,539. 1 Claim. (Cl. 53—1.)



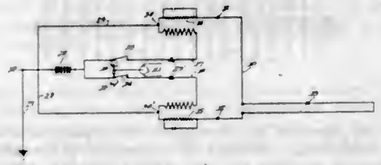
In combination, a boiler and a supporting casing, a ring secured to the top edge of said supporting casing; said ring being provided on its upper side with inner and outer flanges, forming a gutter, and having a depending flange to engage the inner surface of the boiler; the top of said inner flange being slightly lower than the top of said outer flange.

1,588,571. TRANSFORMER FOR MERCURY VAPOR LAMPS. HANS BUSSE, Hanau-on-the-Main, Germany. Filed May 14, 1924, Serial No. 713,301, and in Germany May 24, 1923. 15 Claims. (Cl. 175—356.)



1. A transformer for mercury vapor lamps comprising a main core, a primary coil mounted thereon, secondary coils mounted on the main core separated from the primary coil, a supplementary core connected to the main core and a second auxiliary winding on the supplementary core serving at the same time as a choking coil, the supplementary core being so arranged that a magnetic flux is produced therein by a continuous current derived from the secondary coils.

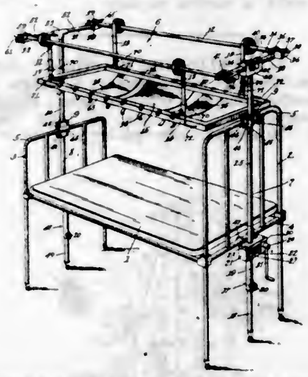
1,588,572. CIRCUIT-TESTING DEVICE. CLYDE L. CHATHAM, Paterson, N. J. Filed Apr. 12, 1923. Serial No. 631,612. 4 Claims. (Cl. 175—183.)



1. The method of testing an electric circuit which consists in sending in opposite directions on the circuit on opposite sides of a fault distinguishable signals and tapping said circuit at different points with a detecting apparatus adapted to indicate the comparative intensities and characters of the signals.

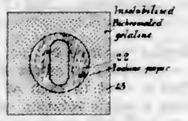
1,588,573. HOSPITAL LIFT FOR INVALIDS. SIMON C. EDMISTON, Los Angeles, Calif. Filed Aug. 24, 1925. Serial No. 52,107. 6 Claims. (Cl. 5—84.)

1. A hospital lift comprising in combination a bed, a pair of standards secured to the head and foot of the bed, a cross frame secured at the top of each standard, a pair of rotary side rails journaled on the ends of the cross frames, a stretcher suspended from the side



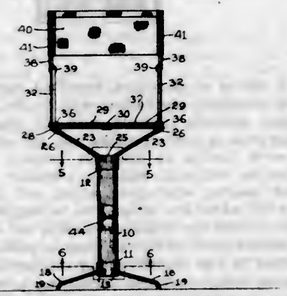
rails by straps and a system of shafts and gears extending through one of the standards and its cross frame to rotate the side rails to raise and lower the stretcher.

1,588,574. DUPLICATING. DAVID GESTETNER, London, England, assignor to D. Gestetner, Limited, London, England. Filed Dec. 9, 1921, Serial No. 521,240, and in Great Britain Dec. 15, 1920. 6 Claims. (Cl. 41—38.6.)



1. The process of producing stencils on a Yoshino paper base, which comprises producing a print by the action of light upon a silver bromide emulsion coated on a support, bringing together the print on said support and a pellicle of composition adapted by the chemical action of the silver image on the composition of which the pellicle is formed to change the same in respect to its solubility in a developing medium, under conditions to effect such change, developing the pellicle of composition and transferring the developed pellicle to a sheet of Yoshino paper.

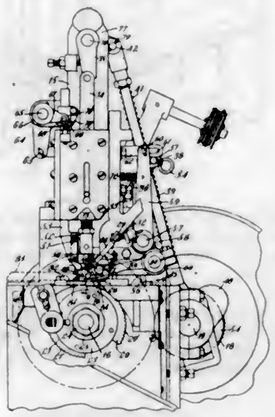
1,588,575. PORTABLE FOLDING CHAIR. GEORGE GRUNWALD, Bronx, N. Y. Filed Sept. 12, 1924. Serial No. 737,327. 4 Claims. (Cl. 155—135.)



1. In a folding chair, the combination of a tubular casing having at one end a plurality of slots extending in axial direction from the edge of the casing and then in

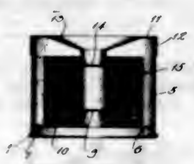
circumferential direction, a disc-like body in the casing movable lengthwise thereof and legs pivoted on said body for angular movement in radial planes, said slots being of a width to receive the legs.

1,588,576. RIVET-SLOTTING MACHINE. ARTHUR R. HAVENER, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1923. Serial No. 674,171. 10 Claims. (Cl. 10—11.)



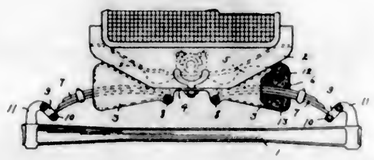
4. A rivet slotting machine having, in combination, a rotary member, a plurality of cutter blades fast thereto, mechanism to feed a rivet to each of said cutter blades respectively during a single rotation of said rotary member, and means to hold said rivets in position while said cutter blades, during a single rotation of said rotary member, successively complete the slotting of the shanks thereof.

1,588,577. CONTAINER AND DISPENSING DEVICE FOR TAPE-LIKE BODIES. ISIDORE HEIFLER, Brooklyn, N. Y. Filed June 22, 1925. Serial No. 38,718. 2 Claims. (Cl. 206—52.)



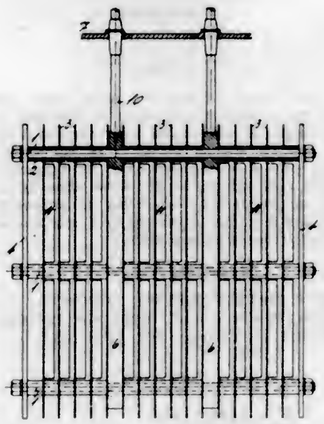
1. A device of the class described comprising a cup-shaped container, the bottom wall of the container being provided centrally thereof with an inwardly directed bearing stud, a cover forming the top of the container, said cover having an inwardly pressed conical portion terminating centrally with an inwardly projecting and tapered bearing stud upon which and the first named stud a roll of tape is adapted to be supported within the container, and the container having an aperture in the wall thereof from which tape may be removed from a roll supported in the container, and the one end wall of the container being weakened permitting pressure to be applied by hand to frictionally retain the roll of tape in predetermined position within the container in the operation of severing a part projected through the aperture of the container.

1,588,578. VEHICLE SUSPENSION. ARTHUR J. HERSEY, Minneapolis, Minn. Filed Mar. 7, 1925. Serial No. 13,674. 2 Claims. (Cl. 267—30.)



1. The combination with a vehicle having a chassis frame spaced from the axle of the vehicle, of a metal spring member pivotally connected to the axle and pivotally connected at the opposite end to the chassis frame, and rubber cushioning means intermediate of the centermost portion of the spring and the chassis frame.

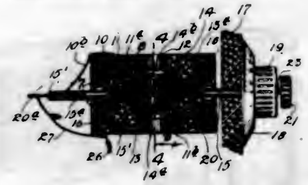
1,588,579. ELECTRODE FOR ELECTROLYTIC DECOMPOSITION APPARATUS. CARL FREDRIK HOLMROE, Ris, Vestre Aker, Norway, assignor of one-half to De Nordiske Fabriker De-No-Fa, Oslo, Norway. Filed Oct. 1, 1925, Serial No. 59,791, and in France July 4, 1925. 4 Claims. (Cl. 204—4.)



1. An electrode for electrolytic decomposition apparatus, comprising a plurality of interspaced, interconnected conductors provided at their central portions, with projections extending laterally from the conductors, and substantially coextensive with the length of said conductors.

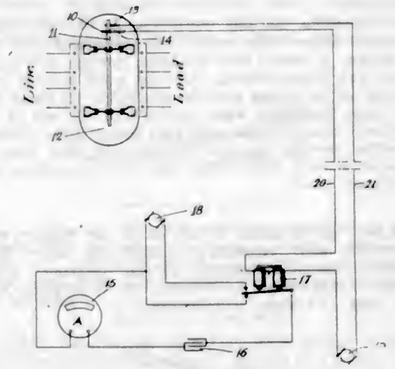
1,588,580. VARIOMETER FOR WIRELESS RECEIVING SETS. FRANK C. HUTCHISON, Minneapolis, Minn. Filed June 15, 1922. Serial No. 568,454. 1 Claim. (Cl. 171—242.)

A differential variometer comprising a fixed outer main spool, a cooperating hollow main spool rotatably mounted within said fixed spool, a relatively small auxiliary spool rotatably mounted in said rotary main spool, cooperating main variometer coils secured one to the interior of said fixed main spool and the other to the exterior of said rotary main spool, and auxiliary variometer coils of relatively low inductance secured one to the interior of said



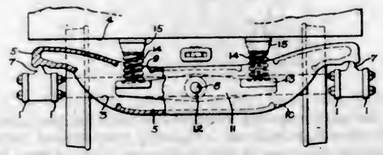
rotary main spool and the other to the exterior of said inner auxiliary spool, the said coils being connected in series.

1,588,581. ELECTRIC METERING SYSTEM. HENRY L. INGRAM, Dallas, and GUY T. HALTOM, Port Arthur, Tex. Filed Oct. 12, 1922. Serial No. 594,211. 4 Claims. (Cl. 177—351.)



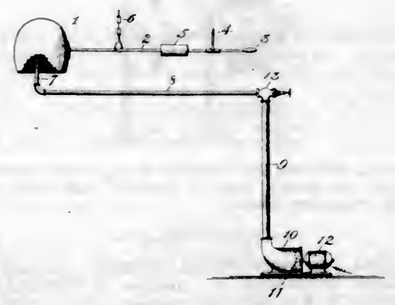
3. In combination, a trunk circuit, an impulse relay at one end of said circuit, means including an electrical measuring instrument at the other end of said circuit for impulsing said relay at speeds varying in accordance with the quantity measured by said instrument, a local circuit of relatively low resistance controlled by said relay, a current-responsive device in said local circuit having a pointer whose deflection from a zero position corresponds to the strength of the current traversing the device and means including said relay for varying the current strength in said circuit and thereby causing said device to indicate the quantity measured by said remote measuring instrument.

1,588,582. CROSS EQUALIZER. CHARLES JABLOW, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,716. 5 Claims. (Cl. 105—199.)



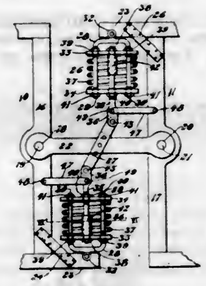
1. In a railway vehicle truck, the combination with a cross equalizer, of an equalizer beam pivotally mounted thereon and a plurality of spring members interposed between said beam and the vehicle frame.

1,588,583. PROCESS OF MANUFACTURING WINDOW GLASS. CARL J. E. JOHNSON, Kane, Pa. Filed Sept. 21, 1925. Serial No. 57,768. 1 Claim. (Cl. 49—77.)



The process of handling molten glass in a ladle employed for conveying the glass from the furnace, said process comprising the dipping of the ladle into water, and then the delivering into the interior of the ladle a blast of air for drying and cleaning said interior prior to the reception of another charge of molten glass.

1,588,584. DIAGONAL STRUT FOR LOCOMOTIVES. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 26, 1923. Serial No. 615,119. 8 Claims. (Cl. 105—176.)

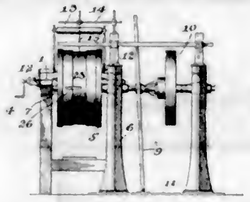


1. In a railway vehicle, the combination with a pair of trucks, of a transverse link mechanism connecting diagonally disposed adjacent corners of the trucks, said mechanism comprising flexible and rigid members, said flexible members being under an initial load and said rigid members being sufficiently weaker than the trucks to protect the latter against breakage in case of abnormal loads.

1,588,585. METHOD OF AND APPARATUS FOR BUILDING PNEUMATIC CORD TIRES. JOHN KEARNS and EZRA GRAY WEBBER, Conshohocken, Pa., assignors of one-half to Lee Tire & Rubber Company, Conshohocken, Pa., a Corporation of Pennsylvania. Filed Nov. 19, 1923. Serial No. 675,592. 6 Claims. (Cl. 154—10.)

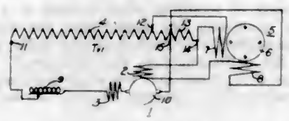
4. A method of forming and stretching a tire carcass, consisting of building the carcass flat upon a circular

form, loosening one edge of the carcass only, expanding the central portion of the carcass only in a circum-



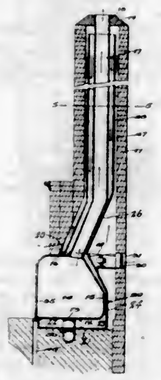
ferential direction, the expansion of the carcass centrally moving the carcass from its loosened edge across the drum to one side thereof.

1,588,586. MOTOR-CONTROL SYSTEM. MAURICE F. JONES, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 27, 1922. Serial No. 556,823. 9 Claims. (Cl. 172—276.)



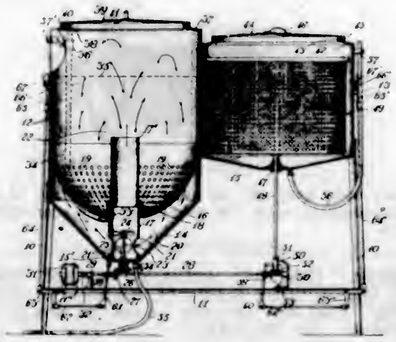
1. In a motor-control system, the combination with a source of energy and a singlephase commutator motor having an armature and a field-magnet winding, of a circuit for energizing said winding from said source, and a reactance device independent of said circuit and in series relation with said armature to maintain the torque of said motor substantially constant during regeneration.

1,588,587. HEATING APPARATUS. CHARLES B. KLAUS, Seattle, Wash. Filed July 10, 1924. Serial No. 725,198. 2 Claims. (Cl. 126—121.)



1. A heating apparatus for use with building structures having a fire place and a chimney and comprising a fire box set in the fire place and having its front open, a removable front for closing said front, a smoke pipe leading from the fire box up through the chimney, a partition in the chimney and through which the smoke pipe extends, said fire place, chimney, fire box, smoke pipe and partition defining a heating space, means for supplying air to the lower portion of the heating space and a distributing system for conducting air from the upper portion of the heating space.

1,588,588. WASHING MACHINE. TEUNIS P. KLEYN, Muskegon, Mich. Filed Apr. 10, 1925. Serial No. 22,041. 4 Claims. (Cl. 68—37.)



1. A washing machine comprising a tub, an upper perforated bottom fixed in said tub and spaced from the tub bottom, a central tube extending through said upper bottom and communicating with the space between said bottoms, an air supply pipe terminating at its outer end at a point above the water line of the tub and at its inner end communicating with said central tube, a shaft extending through the tub bottom into said tube, a propeller on said shaft within said tube, and means for driving said shaft.

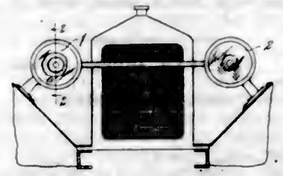
1,588,589. KNOCKING OVER BITS OF WARP, MACHINES AND HOSIERY MACHINES AND THE LIKE. BRUNO KNOBLOCH, Apolda, Germany. Filed June 5, 1922, Serial No. 566,097, and in Germany Nov. 19, 1921. 3 Claims. (Cl. 66—86.)

1. In knocking over bits of warp-machines and hosiery machines and the like, the combination of a cheek-body, a number of parallel blades, fastened at the one side to the cheek-body, and U-shaped needle guides provided at the ends of the blades opposite to the cheek-body.

1,588,590. HARNESS ANCHORAGE FOR METAL WINDOWS. BENJAMIN KUGLER, Chicago, Ill. Filed Jan. 27, 1926. Serial No. 84,142. 3 Claims. (Cl. 20—72.)

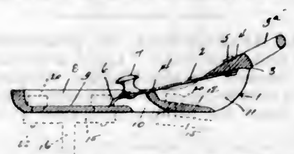
1. An anchorage for window cleaners' harness comprising a sectional base, an attaching foot formed on each section of the base, a lip formed on each section above and in spaced relationship to the foot, and said sections adapted to be disposed in overlapping relationship to clamp a window frame between the feet and the lips for the purpose defined.

1,588,591. VEHICLE HEADLIGHT. CHARLES R. KRUGER, Spokane, Wash. Filed Sept. 8, 1925. Serial No. 54,883. 2 Claims. (Cl. 240—48.6.)



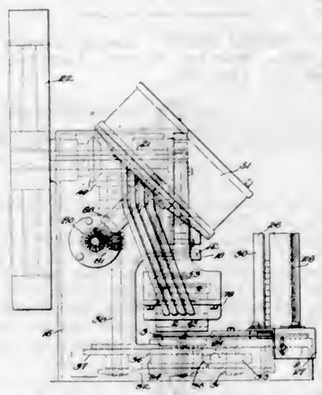
1. The combination with a lamp socket, lamp, and lamp plug and reflector of a headlight, of a light diffusing housing surrounding said lamp, and provided with a cone-shaped, open, rear wall, a gasket between said rear wall and the reflector, friction retaining devices on said housing retained between said plug and socket, and means for securing the plug and retaining devices within the socket.

1,588,592. HARNESS FITTING AND ANCHORAGE. BENJAMIN KUGLER, Chicago, Ill. Filed Feb. 23, 1926. Serial No. 90,039. 6 Claims. (Cl. 24—223.)



1. A device of the type described comprising a body formed with a pair of openings separated from each other by a web, said web provided with a slot, and a spring carried by the body and projecting into one of the openings.

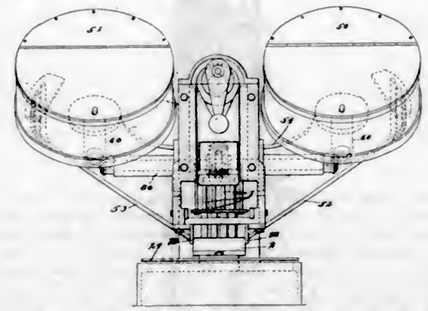
1,588,593. MACHINE FOR LOADING RUBBER-HEEL BLANKS WITH WASHERS. VICTOR R. LAWSON, Roslindale, and JOHN J. BATTERMAN, Dedham, Mass.; said Batterman assignor to John J. Daly, Newton, Mass. Filed May 8, 1923. Serial No. 637,526. 39 Claims. (Cl. 18—1.)



1. A machine for loading rubber heel blanks with washers comprising, in combination, positioning means for a rubber heel blank, a plunger, mechanism for reciprocating said plunger toward and from a heel positioned by said means, and means for automatically presenting washers one at a time between said blank and plunger and in position to be forced into said blank by said plunger.

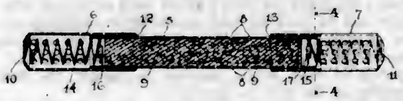
36. In a machine of the character described, the combination of mechanism for loading a rubber heel blank with washers preparatory to molding and vulcanizing the blank, and blank feeding mechanism for presenting blanks to said loading mechanism.

1,588,594. MACHINE FOR LOADING RUBBER-HEEL BLANKS WITH WASHERS. VICTOR R. LAWSON, Roslindale, and JOHN J. BATTERMAN, Dedham, Mass.; said Batterman assignor to John J. Daly, Newton, Mass. Original application filed May 8, 1923, Serial No. 637,526. Divided and this application filed Oct. 24, 1925. Serial No. 64,542. 11 Claims. (Cl. 18—1.)



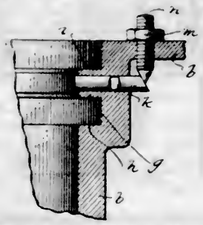
1. In a machine of the character described, a washer feeding mechanism comprising a hopper adapted to contain a mass of washers, a chute leading from the bottom of said hopper, a shutter normally closing the mouth of said chute, a selector operative to take washers from said mass and position them for discharge into said mouth, and mechanism for opening said shutter to permit the discharge of a washer so positioned.

1,585,595. MOISTENER FOR CIGARS AND TOBACCO. HORACE LE GNIS, New York, N. Y. Filed Dec. 19, 1923. Serial No. 681,490. 2 Claims. (Cl. 131—30.)



2. A device of the character described comprising a casing composed of a central perforated member, an absorbent pack mounted therein, two perforated movable end members mounted upon said central member, and springs mounted in the respective ends of said central member and engaging said end members to adjust said device to spaces of varying sizes.

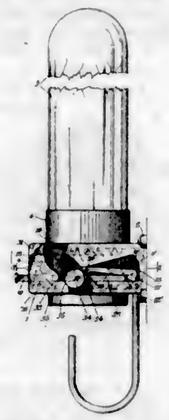
1,588,596. CORE CENTRALIZER FOR PERMANENT MOLDS. HARRY S. LEE, Plymouth, Mich. Filed Jan. 8, 1925. Serial No. 1,168. 4 Claims. (Cl. 22—184.)



1. In a permanent mold, the combination of a plurality of metal mold sections that expand when heated, a core, the core and mold sections provided with inter-engaging

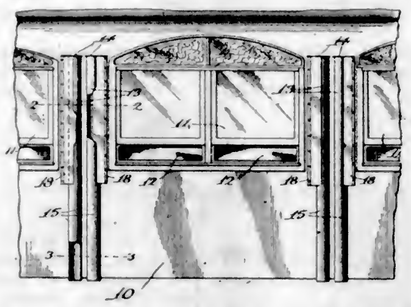
surfaces to support the core in the mold, and means for centralizing the core and the mold when the mold sections expand due to the heat.

1,588,597. VENDING MACHINE. LYNN T. LEET, Montreal, Quebec, Canada, assignor, by mesne assignments, to Tulip Cup Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 7, 1924. Serial No. 691,120. 5 Claims. (Cl. 194—57.)



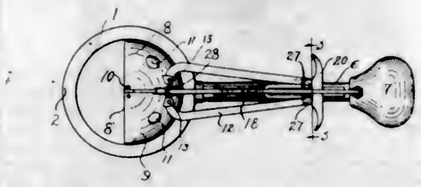
1. In a vending machine having a container, the combination of dispensing means providing a downwardly extending coin slot, an operating member extending transversely to said slot, a detent on one side of said slot, adapted to latch said member, said slot having a downwardly and inwardly inclined side portion opposite said detent, said detent and said side portion of said slot serving as supporting stops for a suitable coin inserted in the slot adapted to support in operative position a suitably sized coin, only, and means movable with said member to press the coin against said detent to trip the latter and to unlatch said operating member, on operation of said member, said unlatched member serving to operate the dispensing means of the machine, and the tripping of said detent serving to permit the further dropping of the coin by gravity.

1,588,598. DUST PREVENTER FOR MOVING VEHICLES. LYCURGUS LINDSAY, Los Angeles, Calif. Filed Aug. 2, 1923. Serial No. 655,215. 3 Claims. (Cl. 98—21.)



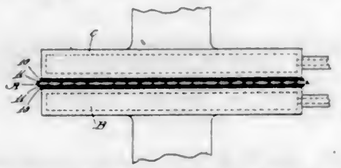
1. A dust preventer for vehicles, comprising in combination a vertical sheet of metal shaped like a scroll, with the outer edge overlapping and spaced from the inner edge of the sheet, a bracket secured to the front side of the scroll adjacent the inner edge of the sheet, having an inclined air deflecting plate to force air into the space between the outer and inner edges of the sheet, such outer edge being in the direct draft of the moving vehicle.

1,588,599. ICE-CREAM DIPPER. FRED N. MARTIN, Spokane, Wash. Filed Oct. 17, 1925. Serial No. 62,993. 5 Claims. (Cl. 107—48.)



1. The combination with an open cutter head having a transverse arch bar and a pair of cutting jaws pivoted on said bar, of means for actuating said jaws, and means for ejecting a segment of ice cream from said jaws through the open center cutter head.

1,588,600. MANUFACTURE OF COMPOSITE SHEET MICA AND THE LIKE. LOUIS MCCARTHY, Boston, Mass., assignor to The Macallen Company, Boston, Mass., a Corporation of Massachusetts. Filed May 27, 1925. Serial No. 33,281. 23 Claims. (Cl. 154—1.)

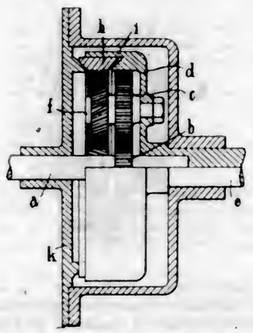


17. An apparatus for pressing composite sheet mica which includes a press element, a resilient sheet between the press element and the work, and means for locally deforming said resilient sheet during the pressing operation.

1,588,601. PICKER STICK. EDWARD MCCRAW, North Adams, Mass. Filed Apr. 10, 1923. Serial No. 631,120. 7 Claims. (Cl. 139—157.)

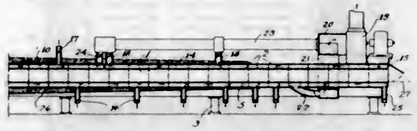
1. A picker stick for looms comprising a bearing block, a peg holder, flat strips of metal connecting the block and holder, the planes of the strips being transverse to the plane of rotation of the stick, whereby the portions of the metal strips between the block and holder may flex somewhat within the plane of oscillation and be rigid in a transverse direction, and a saddle block confined between said strips and between the bearing block and peg holder, an end of the saddle block being tapered from one strip toward the other.

1,588,602. POWER-TRANSMISSION MECHANISM. ALBERT HENRY MIDGLEY, Uxbridge, England, assignor to Midgley Car Lighting Company, Limited, London, England. Filed Oct. 24, 1922, Serial No. 596,660, and in Great Britain Dec. 2, 1921. 2 Claims. (Cl. 74—34.)



1. A power transmission mechanism connecting a driving and a driven shaft comprising in combination a sun wheel upon one of said shaft, a planet wheel meshing with said sun wheel and connected with the other of said shafts, a spindle separate from said shafts and supporting said planet pheel, a helical pinion carried upon said spindle and a clutch member gearing with said helical pinion and movable axially thereby in one direction or the other according to the direction of the power transmission.

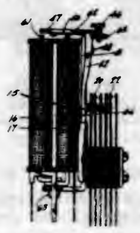
1,588,603. APPARATUS FOR ANNEALING GLASSWARE. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 27, 1925. Serial No. 52,751. 12 Claims. (Cl. 49—46.)



1. Apparatus for annealing glassware comprising a tunnel, a plurality of flues associated with said tunnel, a fire box communicating with one of said flues at a point adjacent to the entrance end of said tunnel, a fire box communicating with another of said flues at a point remote from the entrance end of said tunnel, and means for causing heated gases to flow through the portions of said flues located between said fire boxes in opposite directions with respect to each other.

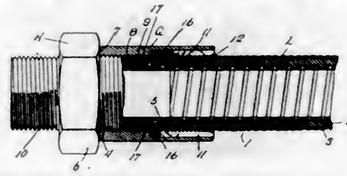
1,588,604. ELECTROMAGNETIC RELAY. MARTIN L. NELSON, Park Ridge, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 19, 1921, Serial No. 493,630. Renewed Nov. 2, 1925. 10 Claims. (Cl. 200—105.)

1. In an electromagnetic relay having a pair of coils wound upon different cores attached to a heel piece, an armature adjustably mounted on said heel piece, said armature being adapted to move on two different fulcrums, means for energizing one of said coils to cause said armature to move about the end of said heel piece as one fulcrum, and means for energizing the other of said coils to cause said armature to move about the end of the core of the coil first energized as the other fulcrum.



10. In an electromagnetic relay, two cores and a heel piece disposed in parallel planes, a flat armature extending across the ends of said cores and the end of said heel piece, a thin spring of non-magnetic material disposed between said armature and the ends of said cores and heel piece, an adjustable bracket for attaching one end of said spring to the heel piece, and means for attaching the other end of said spring to the armature at a point between the ends of said cores.

1,588,605. COUPLING. JOHN M. ODEN, Brooklyn, N. Y. Filed Feb. 16, 1922. Serial No. 536,893. 2 Claims. (Cl. 285—86.)

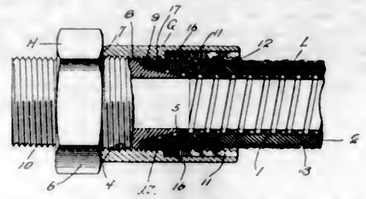


1. A hose coupling comprising a sleeve adapted to be fixed to the hose by being threaded thereonto, said coupling comprising also a body part having threaded engagement with the sleeve and being adapted upon rotation relative to the sleeve to pull upon the sleeve and to thereby force itself into sealing engagement with the hose, said sleeve having a groove formed interiorly thereof extending transversely across the threads so as thus to provide a plurality of cutting edges associated with said threads of a character to cut a thread-way into the surface of the hose for facilitating application of the sleeve on to the hose, and said cutting edges having acute angular relationship to the apexes of the threads thus providing cutting points overhanging into said groove for the purpose set forth.

1,588,606. METHOD OF MAKING COUPLING SLEEVES. JOHN M. ODEN, Brooklyn, N. Y. Original application filed Feb. 16, 1922, Serial No. 536,893. Divided and this application filed Jan. 25, 1926. Serial No. 83,556. 1 Claim. (Cl. 29—156.)

The herein described method of forming a threaded hose coupling sleeve having cutting edges upon the threads thereof, which method consists in providing a groove within the sleeve extending longitudinally thereof,

and then cutting the interior surface of the sleeve with a suitable tool to form threads within the sleeve thereby dragging end portions of the threads and forming cutting

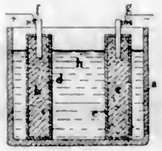


edges upon the threads overhanging the groove at one side of the groove and forming rounded edges upon the threads at the opposite side of the groove.

1,588,607. PROCESS FOR RENDERING A POROUS POWDER IMPERMEABLE TO LIQUIDS. RENÉ OPPENHEIM, Levallois-Perret, France, assignor to Societe Anonyme le Carbone, Levallois-Perret, France. Filed Apr. 10, 1924, Serial No. 705,684, and in France Dec. 27, 1923. 8 Claims. (Cl. 136—122.)

1. A process for rendering impermeable the grains of a powder composed of porous particles, consisting in intimately mixing with such powder a pectizable colloidal suspension, having the property of forming at the surface of each of the porous grains, under the effect of the absorbing properties of the latter, a pectized film impenetrable by liquids.

1,588,608. GALVANIC BATTERY. RENÉ OPPENHEIM, Levallois-Perret, France, assignor to Societe Anonyme le Carbone, Levallois-Perret, France. Filed May 20, 1924, Serial No. 714,711, and in France Apr. 10, 1924. 5 Claims. (Cl. 136—86.)

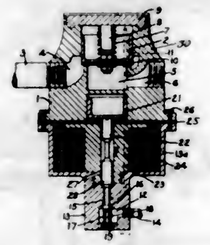


1. A gas accumulator characterized by the fact that it comprises at one of its poles, a porous electrode covered over its whole surface with a coating impermeable by liquids and permeable by gases.

1,588,609. NECKTIE. JOHN V. PALMER, Pittsburgh, Pa. Filed June 30, 1925. Serial No. 40,567. 1 Claim. (Cl. 2—145.)

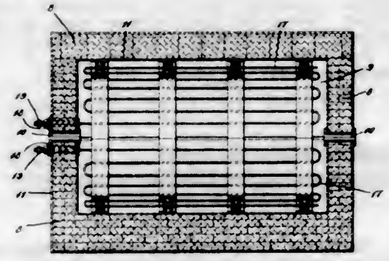
A necktie comprising a strip of fabric folded intermediate its length to provide inner and outer depending portions adapted to be formed into a knot, and a strip of elastic material extending transversely of the tie strip between the depending inner and outer portions thereof and having its intermediate portion secured to said inner portion at the upper end thereof and its free end portions extended from the tie strip and provided with fastener receiving openings.

1,588,610. ELECTROMAGNETIC BRAKE VALVE. WILLIAM H. PONSONBY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1924. Serial No. 711,522. 13 Claims. (Cl. 303—20.)



1. In a pneumatic control device, in combination, a main valve disposed for reciprocatory movement to control an air line, means for applying fluid pressure to opposite sides of the valve, a resilient member tending to move the valve in one direction, an auxiliary valve for relieving the pressure on one side of the main valve and electro-pneumatic means for operating said auxiliary valve.

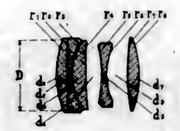
1,588,611. ELECTRIC FURNACE. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1921. Serial No. 480,261. 5 Claims. (Cl. 204—64.)



1. In an electrically heated furnace, the combination with a casing, of a plurality of engaging pairs of refractory resistor-supporting members, the engaging members of each pair being radially alined relatively to said furnace, and a resistor member supported by and between the pairs of supporting members.

1,588,612. PHOTOGRAPHIC TRIPLET. ROBERT RICHTER, Berlin-Friedenau, Germany, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft in Goerzallee, Berlin-Zehlendorf, Germany. Filed Jan. 7, 1926, Serial No. 79,844, and in Germany Feb. 12, 1925. 2 Claims. (Cl. 88—57.)

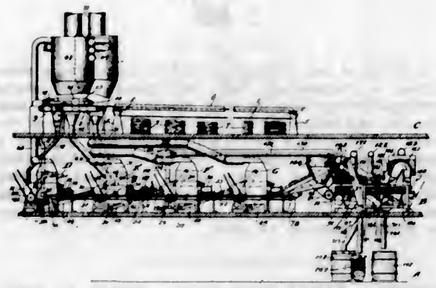
1. A spherically, chromatically and astigmatically corrected photographic objective free from distortion having three components separated by air spaces, of which the central component is a single bi-concave lens and the rear component a single bi-convex lens, whereas the front component which is of collective nature, is made of



r_1 = + 45.8	d_1 = 6.0	n_d = 1.62340	n_d = 1.63303
r_2 = —	d_2 = 2.0	n_d = 1.57330	n_d = 1.59626
r_3 = + 36.0	d_3 = 7.0	n_d = 1.62340	n_d = 1.63501
r_4 = + 34.263	d_4 = 8.0		
r_5 = — 70.6	d_5 = 2.5	n_d = 1.61300	n_d = 1.63494
r_6 = + 38.5	d_6 = 10.3		
r_7 = + 185.0	d_7 = 6.0	n_d = 1.62340	n_d = 1.63303
r_8 = — 52.26			

three cemented lenses, the two outer lenses being collective and the inner one dispersive and made of glass the refractive index of which is lower than the refractive index of the two collective lenses surrounding it.

1,588,613. METHOD AND APPARATUS FOR STEMMING TOBACCO. CHARLES LEWIS ROBERTS, Louisville, Ky., assignor to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed June 11, 1925. Serial No. 36,297. 12 Claims. (Cl. 131—57.)

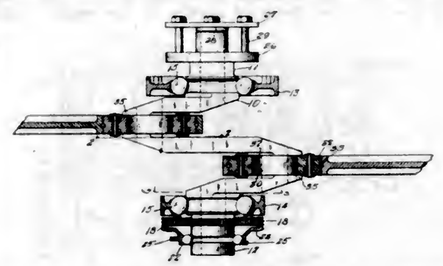


1. A step in the method of stemming tobacco which consists in the separation and removal prior to the stemming operation of those portions of the tips of the leaves containing the stems of a size utilizable in the further processing of the leaf.

8. Tobacco stemming apparatus, comprising a plurality of disintegrators for breaking the laminæ from the stems, means to divide the leaves into two portions, one containing all of the central stem to be removed, means for conveying the last named portions to the first of the disintegrators, means for feeding the leaves from each disintegrator to the succeeding disintegrator, means in combination with each disintegrator for removing the lighter particles, a common means for receiving such lighter particles, and means for conducting the divided leaf tips to the common receiving means.

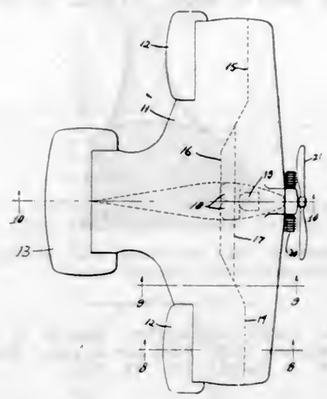
1,588,614. CRANK SHAFT ASSEMBLY FOR ENGINES. HUGH M. ROCKWELL, Bristol, Conn. Filed Dec. 23, 1920. Serial No. 432,705. 8 Claims. (Cl. 74—38.)

1. In a crank shaft assembly for internal combustion engines, a ring, a crank shaft having one end journalled in said ring, pinions rotatably carried by said ring, a gear on said shaft having its teeth meshed with the teeth of



said pinions, a cam carrier rotatably mounted on the shaft coaxial therewith and internal gear teeth on said carrier in mesh with the teeth of said pinions.

1,588,615. AIRCRAFT. HUGH M. ROCKWELL, Bristol, Conn. Filed Oct. 22, 1921. Serial No. 509,654. 2 Claims. (Cl. 244—14.)

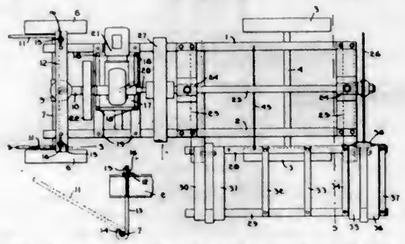


1. In a monoplane, a wing including a central portion and side portions, said side portions having ailerons at their rear edges forming continuations of the side portions, the central portion extending rearwardly beyond the side portions and having converging side edges forming continuations of the rear edges of the side portions, an elevator forming a continuation of the central portion and arranged at the rear edge of the latter, a fuselage of substantially the same length as the central portion arranged directly beneath the latter, an engine and tractor propeller arranged forwardly of the wing but in close proximity thereto, and a pilot seat arranged forwardly of the line of buoyancy of the craft.

1,588,616. PORTABLE POWER WOOD-SAWING APPARATUS. CHARLES O. ROGERS, Atlantic, Mass., assignor to Charles J. Jager Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1922. Serial No. 540,586. 1 Claim. (Cl. 143—43.)

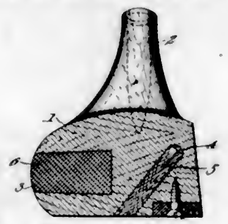
A portable power wood sawing apparatus comprising a supporting frame mounted on wheels, a shaft mounted in bearings on the frame and extending centrally and longitudinally thereof, a circular saw secured to one end of the shaft, a hydrocarbon combustion engine mounted on the frame at, and directly connected to, the other end of the shaft, a fly wheel secured to the shaft, a

table extending longitudinally of the frame and mounted thereon at one side of the shaft for transverse movement between the saw and the engine to carry the wood to the saw, the center of gravity of the engine being



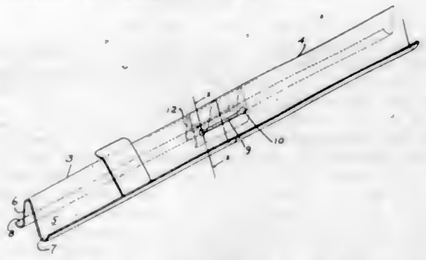
disposed at the side of the shaft opposite to that at which the table is mounted and the remainder of the apparatus being transversely symmetrical with respect to the axis of the shaft.

1,588,617. WATERPROOF OBJECT OR ARTICLE AND PROCESS OF PRODUCING THE SAME. NEWTON AUGUSTUS ROSE, Wellesley Hills, Mass. Filed Sept. 1, 1923. Serial No. 660,632. 4 Claims. (Cl. 273—77.)



1. A golf-club head comprising wood of the genus Nyssa impregnated with a phenolic resin.

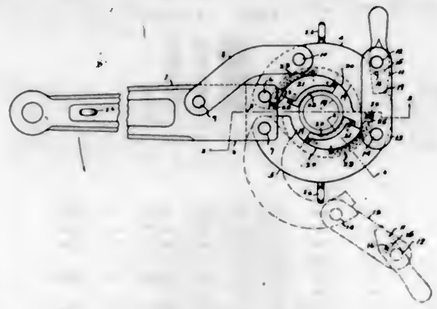
1,588,618. GAME APPARATUS. CARL G. A. ROSEN, San Francisco, Calif. Filed Apr. 7, 1924. Serial No. 704,616. 3 Claims. (Cl. 273—150.)



1. In a game apparatus of the character described, a tile holder or rack comprising a plurality of sections formed to nest one within another and arranged to be assembled in longitudinal alignment to form a rack of desired length, and means for releasably securing said sections in said assembled relation.

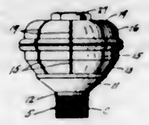
1,588,619. TONG. RICHARD T. ROYE and WILLIAM L. PEARCE, Houston, Tex. Filed Feb. 23, 1924. Serial No. 694,763. 2 Claims. (Cl. 81—66.)

1. A tong including a handle, a pair of arcuate clamps one clamp being rigidly attached at one end, directly to one end of the handle and the other clamp being pivoted to said end of said handle, the inner faces of said clamp members being cam shaped, a jaw mounted to slide on each cam face said jaws and cam faces being



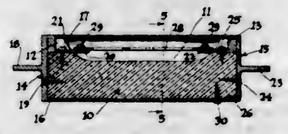
provided, one with a groove and the other with an anchor, a pull spring located in each groove and attached, at one end to the corresponding jaw and at its other end, to the corresponding anchor.

1,588,620. SAND-FILTER VALVE. MATTHEW F. RYAN, Florence, Mass. Filed Dec. 24, 1921. Serial No. 524,806. 1 Claim. (Cl. 210—171.)



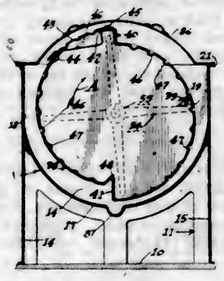
A device of the character described comprising a stem having a longitudinal bore therethrough and lateral openings intermediate its ends communicating with said bore, an enlarged member on the stem spaced from the lower end thereof, a guard seated upon said member, a reduced threaded extension at the upper end of the stem defining a shoulder, a cap seated upon said shoulder with its lower edge in spaced parallel relation to the guard, and a nut screwed upon the reduced extension for holding the cap in place.

1,588,621. RENEWABLE FUSE. PHILIP A. SAVOY, Fullerton, Calif. Filed Oct. 29, 1924. Serial No. 746,557. 2 Claims. (Cl. 200—131.)



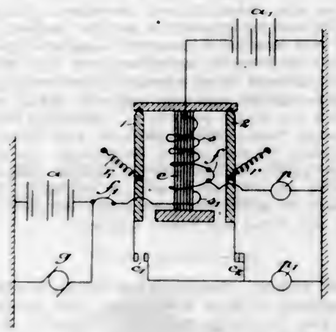
1. A fuse comprising a block of insulating material, a recess formed in said block, end caps for said block secured to the ends thereof, terminals carried by said end caps extending into said recess, a fusible element supported between said terminals, one of said end caps being provided with a flange disposed about said block so as to form an abutment, the other of said end caps being provided with a flange imbedded in said block so as to be flush with the exterior surface thereof, and a sleeve disposed about said block and abutting said abutment, said sleeve being adapted to slide over the last mentioned end cap to permit replacement of said fusible element.

1,588,622. WASHING MACHINE. PHILIP A. SAVOY, Fullerton, Calif. Filed Jan. 6, 1925. Serial No. 747. 2 Claims. (Cl. 68—18.)



2. In a washing machine, a drum comprising flat end walls, semi-circular eccentric side walls, radial perforated plates connecting the extremities of said eccentric side walls, one of said perforated plates being extended inwardly beyond the side wall forming an inwardly projecting baffle.

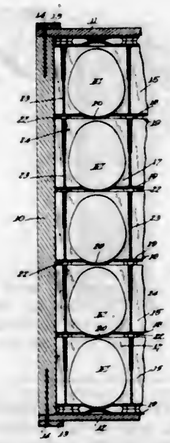
1,588,623. AUTOMOBILE ELECTRIC-LIGHTING SYSTEM. BENOIT SCHERER, Courbevoie, France. Filed Dec. 9, 1924. Serial No. 754,874. 3 Claims. (Cl. 171—97.)



1. An automobile electric lighting system including an electro-magnetic core, a main circuit including coils on said core, an auxiliary circuit also including coils on said core, the last named coils being connected to and of greater resistance than and wound in the reverse direction to the first named coils, a contact for each circuit and an armature for each circuit, each armature having a contact for coaction with one of the first named contacts, each pair of contacts forming an interrupter for said auxiliary circuit and a spring for each armature, one of said springs being stronger than the other, the winding of greater resistance exerting a preponderating force even when the current traversing the same is weaker than that which traverses the other winding so that the auxiliary circuit is normally open and is closed by the armature subjected to the action of the weaker spring.

1,588,624. EGG-CASE CUSHION FLAT. JOHN F. SCHLOEMER, Los Angeles, Calif. Filed Aug. 28, 1924. Serial No. 734,642. 4 Claims. (Cl. 217—26.)

3. An egg case cushion flat comprising a flat sheet of cardboard, egg receiving depressions formed in the upper side of said sheet, and other depressions formed upon the upper side of said sheet so as to form cross like projections upon the underside of said sheet, said

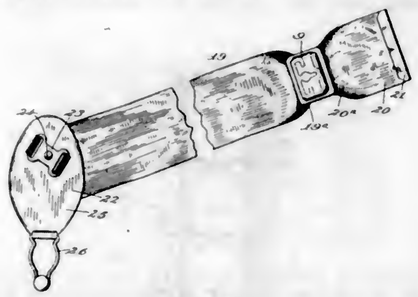


projections being adapted to rest over the intersections of a subjacent filler, with the arms of said cross like projections resting upon the walls of the filler.

1,588,625. GARTER. ROSSITER S. SCOTT, New York, N. Y. Filed Sept. 6, 1924. Serial No. 736,362. 4 Claims. (Cl. 241—6.)

1. A convertible garter comprising a band for encircling the leg, a connecting strap to extend between the band and the sock, and a connection between the band and strap, comprising a stud on one of said elements, and a coupling piece on the other having a slot for engaging the shank of the stud but too narrow to pass the head thereof, and an enlargement of the slot formed in the coupling piece and covered by the fabric and into which enlargement a portion of the fabric may be temporarily deflected to permit the engagement of the stud with the slot.

1,588,626. GARMENT HOLDER. ROSSITER S. SCOTT, New York, N. Y. Filed Apr. 1, 1925. Serial No. 19,863. 9 Claims. (Cl. 241—6.)

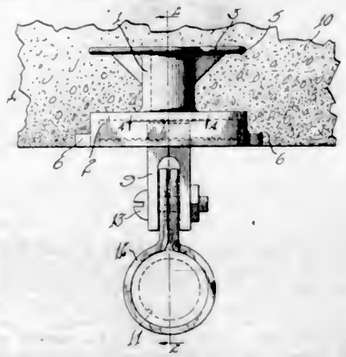


1. In combination, a wide band, and a narrow clasp plate formed with band receiving slots accommodating the band with its edges doubled in, one of the plate slots being formed with recurved portions at its ends to shape and hold the doubled band margins flatly in position.

1,588,627. LOUD-SPEAKING TELEPHONE GEORG SEIBT, Schoneberg, near Berlin, Germany. Filed Aug. 1, 1924. Serial No. 729,558, and in Germany Aug. 4, 1923. 1 Claim. (Cl. 179—180.)

In a loud speaking telephone, a diaphragm of thin sheet metal, an electromagnet for oscillating the diaphragm, a mass of light material at the rear of the diaphragm, and means to take up the pressure of said material towards the diaphragm and permitting the material to make contact with the diaphragm and a foraminated plate at the rear of the diaphragm and spaced therefrom and permitting said material to make contact through its holes with the diaphragm.

1,588,628. HANGER. DANIEL STEWART SELLERS, Indianapolis, Ind. Filed Nov. 2, 1922. Serial No. 598,622. 1 Claim. (Cl. 72—105.)

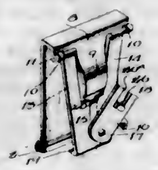


A device of the type described comprising a hanger, said hanger having a casing, said casing having a slot in its under surface extending substantially the entire length of the casing, the slot being of less width than the width of the casing for providing supporting ledges, these ledges being disposed on each side of the slot and having their upper surfaces serrated, a pipe carrying member having a shank, said shank having an enlarged head, the width of said head being sufficiently narrow to permit the head to enter the casing through the slot, and of sufficient length to rest upon the serrated portions of the ledges, said head having its diagonally opposite corners rounded to permit the shank to be turned 90° in one direction from the position assumed during its projection into the casing.

1,588,629. METHOD OF AND APPARATUS FOR TRANSFERRING HEAT. HARRY F. SMITH, Dayton, Ohio, assignor to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 16, 1923. Serial No. 632,452. 14 Claims. (Cl. 263—20.)

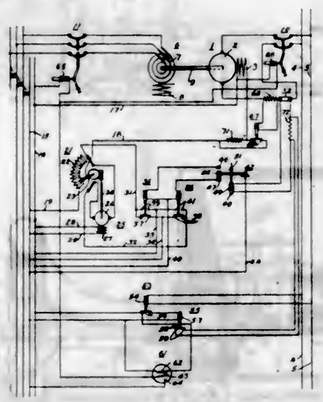
1. In an oven of the character described, a combustion chamber, means for burning air and fuel to heat the interior of said chamber, a recuperator passage thru which the heated products of combustion pass to a stack or vent, said passage being arranged transversely of the combustion chamber, and having at each end an opening thru which the heated products of combustion enter the said passage from opposite sides of said chamber; a burner element at each end of the passage, two recuperator tubes within said passage, the adjacent ends of said tubes being each provided with an air inlet, the opposite ends of said tubes being connected each respectively to one of the said burner elements.

1,588,630. CLASP. HERBERT KEMP SMITH, New Orleans, La., assignor to Merle Powe Smith, New Orleans, La. Filed Dec. 16, 1922, Serial No. 607,381. Renewed Nov. 3, 1925. 8 Claims. (Cl. 24—3.)



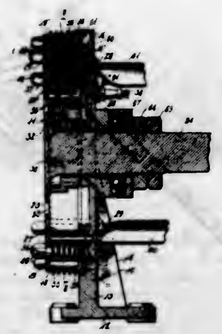
4. A clasp comprising a front plate having an integrally formed spring member spaced from the front plate and a slot located adjacent its lower end, a clamping member pivotally mounted on the rear face of the front plate, and provided with a jaw adapted to project into the slot, locking means pivotally mounted on the clamping member engageable with the spring member for maintaining the jaw projected into the slot, said clamping member having a portion bent inwardly towards the locking means and engageable with said means to prevent accidental movement of the locking means.

1,588,631. REGULATOR SYSTEM. HAROLD W. SMITH and FRANK M. BILLHIMER, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 2, 1924. Serial No. 717,311. 12 Claims. (Cl. 171—229.)



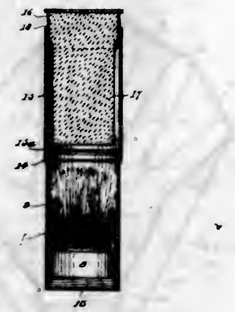
1. In combination, a power supply circuit, a direct-current generator connected thereto, said generator being provided with a field winding, a constant-current regulator actuated in accordance with the generator current for controlling the energization of said field winding, and means controlled in accordance with said power circuit conditions for changing the setting of said current regulator.

1,588,632. ROTARY GAS ENGINE. WILLIAM S. SULLIVAN, Philadelphia, Pa. Filed Nov. 14, 1924. Serial No. 749,901. 24 Claims. (Cl. 60—41.)



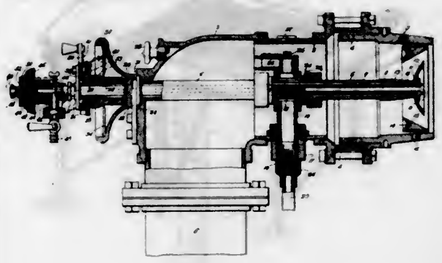
2. A rotary gas engine comprising, in combination, a stator having a face substantially perpendicular to its axis, a shaft journaled in said stator upon the axis thereof, a rotor carried by said shaft to revolve closely adjacent said face of said stator and provided with a combustion chamber having a reactance nozzle outlet, and means to conduct fuel to said combustion chamber.

1,588,633. SHAVING KIT. WILLIAM H. C. TAYLOR, Kansas City, Mo. Filed Apr. 2, 1925. Serial No. 20,291. 1 Claim. (Cl. 132—81.)



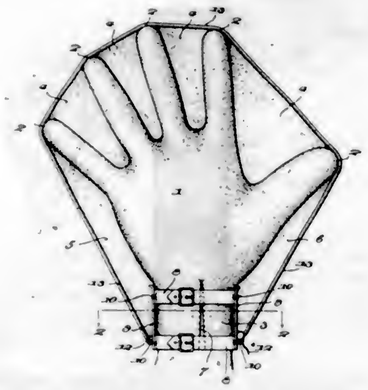
In a shaving kit a brush housing having longitudinal slots formed with lateral end extensions, a brush socket slidably mounted in the housing and having projections adapted to be received in the longitudinal slots, a coil spring having one end resting on the bottom of the brush housing and the other end pressing against the brush socket to hold the brush in a projected position, a cylindrical receptacle, being closed at its lower end, adapted to fit on the open end of the brush housing forming a closure therefor, a shaving stick inserted in the open end of the cylindrical receptacle, and an annular struck-out portion formed at the open end of the brush housing to limit the downward movement of the cylindrical receptacle thereon.

1,588,634. BURNER. LUDWIG WALLSTROM, Lima, Peru. Filed July 28, 1925, Serial No. 46,634, and in Peru Apr. 8, 1925. 13 Claims. (Cl. 158—76.)



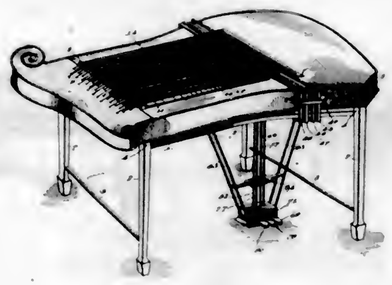
11. A burner comprising nested tubes affording fuel passageways and providing atomizing means at their outlet ends, a deflector plate supported by and surrounding the atomizing means, a cooperating ring having a conical inner surface surrounding the deflector plate, and means for adjusting at least one of the tubes with respect to said ring, said ring having a minimum diameter approximately equal to the maximum diameter of the deflector plate, whereby movement of the latter axially of the ring varies the extent of annular clearance therebetween.

1,588,635. SWIMMING GLOVE. FRANK C. WEBB, Portland, Oreg. Filed Sept. 11, 1925. Serial No. 55,715. 3 Claims. (Cl. 9—21.)



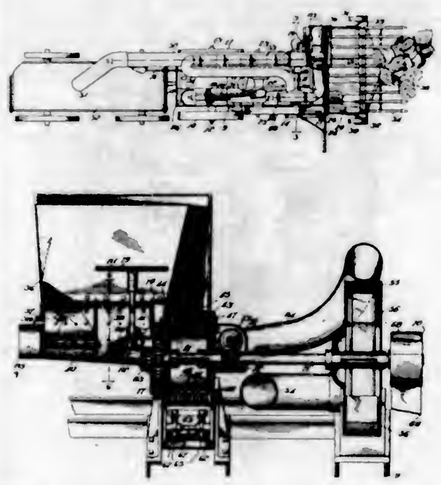
1. A swimming appliance of the character set forth comprising a glove having a wrist portion and webs between the fingers and thumb thereof, an element connecting said fingers, thumb and wrist portion and tending normally to hold said fingers and thumb distended, and means for varying the tension on said element.

1,588,636. MUSICAL INSTRUMENT. JOHN JAMES WESTBROOK, Jr., Danville, Va. Filed June 16, 1925. Serial No. 37,556. 11 Claims. (Cl. 84—287.)



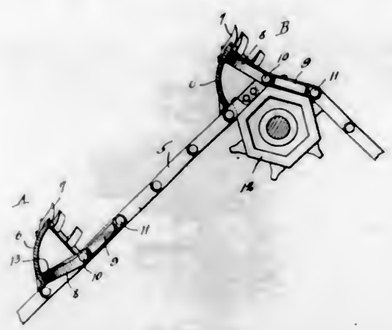
1. A steel guitar provided with a plurality of groups of strings to normally produce a plurality of major cords, a plurality of damped strings, means for normally damping the last mentioned strings, and selective means for damping certain of the undamped strings, and means for releasing the damped strings, means cooperatively connecting the normal damping means with selective damping means whereby the normal damping means is released by the selective damping means, said selective damping means when operated causing damping of certain of the undamped strings.

1,588,637. THRASHING MACHINE. CHARLES E. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 10, 1918, Serial No. 253,395. Renewed Nov. 13, 1925. 21 Claims. (Cl. 130—27.)



1. A thrashing machine comprising means for severing the heads of the grain from the straw, thrashing mechanism, means for delivering the heads to said thrashing mechanism, means for discharging the straw, and suction mechanism operating to deliver the chaff to the straw.

1,588,638. SCOOP CLEANER. THOMAS KENNEDY WHITE, Huron, S. Dak. Filed Mar. 26, 1925. Serial No. 18,483. 1 Claim. (Cl. 198—144.)

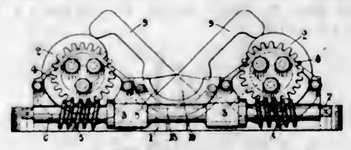


In a device of the character described, supporting chains, scoops secured to the supporting chains, scrapers including elongated members bent intermediate their ends providing curved scraping surfaces conforming to the curvatures of the scoops, said scrapers being pivotally secured to the chains at points intermediate the ends of the scrapers, and said scrapers having their outer ends secured to the links of the chain at points in spaced relation with the first mentioned securing points of the scrapers.

1,588,639. EMERGENCY-LANDING FLARE. SAMUEL WILEY, Metuchen, N. J. Filed Aug. 3, 1925. Serial No. 47,967. 14 Claims. (Cl. 102—24.1.)

3. A flare comprising a case for illuminating material, and igniting means therein, a second case, a parachute normally housed in said second case, means for uniting the two cases, the parachute case adapted to be stripped from illuminant case, a separable connection between said parachute and the parachute case, a launching device carried by the airplane and having means for engaging said flare to prevent lifting movement but freely permitting falling movement of the flare, and liftable suspension means engaging with said parachute case adapted to strip the parachute case from the flare and permit falling thereof.

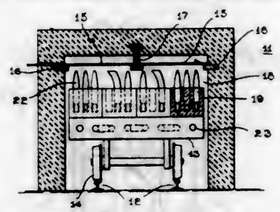
1,588,640. APPARATUS FOR ANGULAR BENDING OR CURVING OF METAL SHEETS AND BARS. ROBERT WILLIAMSON, Malpas, England, and WILLIAM GWYNNE THOMAS, Cardiff, Wales. Filed July 25, 1925, Serial No. 46,084, and in Great Britain Aug. 7, 1924. 8 Claims. (Cl. 153—21.)



1. An apparatus for bending or curving metal sheets and bars comprising a bed plate, two cams mounted in parallel relation to one another on said bed plate, means for rotating said cams said means comprising means for fixing said cams after and against rotation, and a pair of formers hinged to the bed plate between said cams and adapted to contact with them.

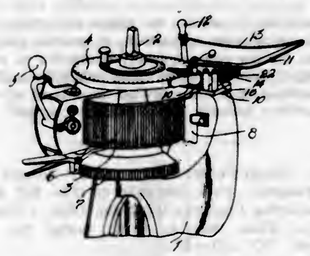
1,588,641. ELECTRIC HEAT-TREATING FURNACE. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1923. Serial No. 651,234. 7 Claims. (Cl. 204—64.)

1. In a furnace, in combination, a plurality of walls enclosing a furnace chamber, heating means in said chamber, and means having a cooling means integral therewith for moving material to be heat-treated through



said chamber and for permitting only a part thereof to be subjected to the heat of said heating means.

1,588,642. SETWORKS. MAURICE E. WRIGHT and ALFRED M. BRADEN, Gibbs, Idaho. Filed May 1, 1925. Serial No. 27,186. 3 Claims. (Cl. 74—39.)

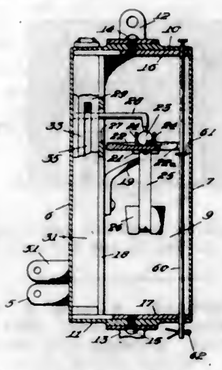


1. The combination with a pawl lever and its pin, of a pair of resiliently-connected oscillatable levers, means co-acting with the pin for spreading the levers and means coacting with the pin for retaining the latter in locked position.

1,588,643. PROCESS OF CEMENTING WELLS. FORD I. ALEXANDER, Los Angeles, Calif., assignor to The Ford Alexander Corporation, Los Angeles, Calif., a Corporation of California. Filed July 1, 1924. Serial No. 723,446. 7 Claims. (Cl. 61—36.)

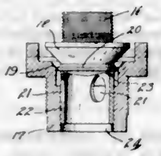
1. A process of cementing a well, comprising lowering cement down a well, and driving the cement into the well formation by blasting a plug against the cement.

1,588,644. AUTOMATIC CONTROL FOR TOILETS. HARRY GUY ANDERSON, Chicago, Ill. Filed Oct. 22, 1925. Serial No. 64,179. 6 Claims. (Cl. 4—8.)



1. In automatic controls for single pan train toilets, a flushing lever, a riser operatively connected thereto, trip mechanism for the pan releasably connected to said riser, and automatic control mechanism whereby said connection is rendered operative through movement of the train and inoperative through nonmovement thereof.

1,588,645. HIGH-PRESSURE VALVE. JOSEPH M. BARRETT, Fostoria, Ohio, assignor to The S-C Regulator Manufacturing Company, Fostoria, Ohio, a Corporation of Ohio. Filed May 4, 1923. Serial No. 636,776. 3 Claims. (Cl. 251—28.)

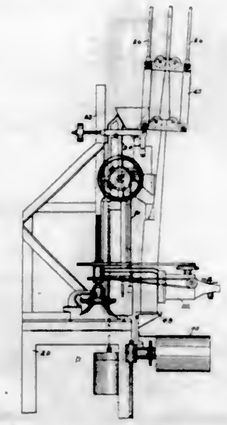


2. In a valve, the combination of a valve seat member, a closure valve member mounted therein, the closure member having a sleeve portion slidable in a bore of the valve seat member, said closure member having an annular shoulder disposed between the valve closing surface thereof and said sleeve portion, said valve seat member being counterbored to receive said shoulder portion of the closure member, said counterbored portion of the valve seat member providing an expansion chamber for the fluid deflected by said annular shoulder away from the valve closing surfaces thereof.

1,588,646. BAG. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 2, 1925. Serial No. 27,338. 7 Claims. (Cl. 150—3.)

5. A bag made from a bag-tube, comprising a bag portion, the bag tube being telescoped to form double folds at the ends of the bag, and seams across the ends of the bag through such telescoped portions, the bag-tube being severed adjacent the end of the bag.

1,588,647. METHOD OF AND APPARATUS FOR PACKAGING MATERIAL. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 6, 1925. Serial No. 28,321. 50 Claims. (Cl. 226—53.)

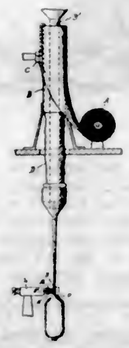


1. A process of packaging material, which consists in inserting a charge through an opening in the side of an elongated tube, closing the tube above the charge and severing the tube above the closure.

22. In apparatus for packaging material, a float, means to maintain the float stationary while a tube is moved forward therearound, and a feed pipe in position to feed material through an opening in the side of a tube which is positioned around the float and into a portion of the tube held expanded by the float.

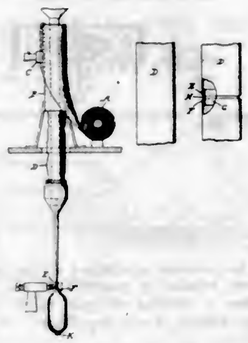
35. In packaging apparatus, an antifriction device adapted to contact the outside of a bag-tube, and a float adapted to be inserted within a bag-tube and having an anchoring device adapted to cooperate with said antifriction device to retain the float in place while a bag-tube is moved past said devices and float.

1,588,648. PROCESS FOR CLOSING BAGS. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 6, 1925. Serial No. 28,322. 8 Claims. (Cl. 112—11.)



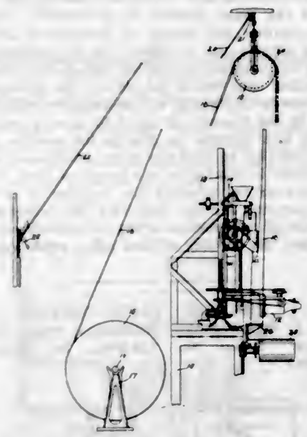
1. In the production of bags from lengths of bag material, the method which consists in making folds transversely across a length of bag material to form reinforced ends for bags, and severing said length adjacent each fold after the formation of the fold.

1,588,649. PROCESS OF MAKING FILLED BAGS. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed July 15, 1925. Serial No. 43,696. 5 Claims. (Cl. 226—53.)



1. The method of producing a filled bag from filling material and a bag tube having a closed end, which consists in filling a charge of the material into the bag tube with one end of the charge against the closed end of the tube, then forming a fold in the walls of the tube adjacent the other end of the charge, then forming a tube closure through said fold, and severing the filled and closed bag from the tube, the severance following the formation of the fold.

1,588,650. BAG FORMING AND FILLING APPARATUS. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Feb. 16, 1925. Serial No. 9,489. Renewed Oct. 21, 1925. 4 Claims. (Cl. 226—53.)

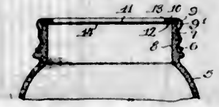


1. In packaging apparatus, a pulley adapted to have a bag tube passed thereover, a float adapted to be inserted within a bag tube and having a hook adapted to hook around the pulley between the walls of a tube and retain the float in place while a tube is moved forward past the pulley and float.

1,588,651. PROCESS OF TREATING PHOSPHATE MATERIAL. HENRY BLUMENBERG, Jr., Los Angeles, Calif., assignor to Stockholders Syndicate, Los Angeles, Calif., a Corporation of California. Filed Aug. 7, 1925. Serial No. 48,877. 3 Claims. (Cl. 71—7.)

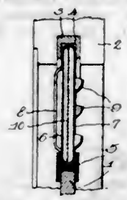
1. A process of treating phosphate material comprising mixing ground phosphate rock with sodium nitrate, ammonium sulphate and water, subjecting the mixture to sulphur dioxide, whereby sodium sulphate, ammonium phosphate, ammonium sulphite and calcium nitrate are formed.

1,588,652. CAP FOR RECEPTACLES. FRANK A. BROWN, Chicago, Ill. Filed Aug. 18, 1924. Serial No. 732,600. 4 Claims. (Cl. 215—43.)



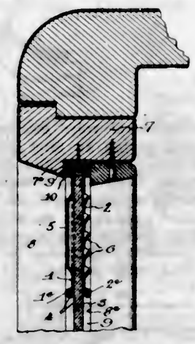
1. A sheet metal screw cap for receptacles comprising a top and a depending screw threaded metallic flange, there being an outwardly directed hollow bead extending peripherally in the flange between the topmost thread thereof and the top of the flange, whereby deformation of the bead by a blow thereon will displace an adjacent portion of the top of the cap, said cap also being provided in its underside with an annular packing receiving groove having a wall disposed in cooperative relation with the bead to localize the effect of a blow on the bead to the top portion between the bead and said wall.

1,588,653. VENTILATOR FOR CLOSED VEHICLES. KENNETH H. BROWNLEE, Evanston, Ill. Filed Oct. 1, 1923. Serial No. 665,760. 8 Claims. (Cl. 98—22.)



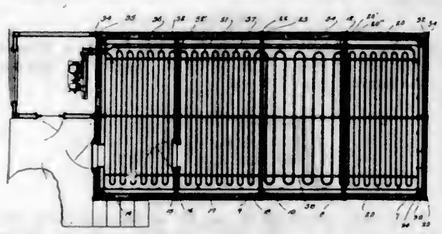
1. A ventilator adapted to be removably fitted in a window frame of a closed vehicle and comprising a flat tubular panel having series, of louvers extending substantially throughout the length thereof, one series opening parallel to the longitudinal edge of said panel and the other series opening toward one end thereof.

1,588,654. VENTILATOR FOR CLOSED VEHICLES. KENNETH H. BROWNLEE, Evanston, Ill. Filed Oct. 27, 1924. Serial No. 746,071. 5 Claims. (Cl. 98—22.)



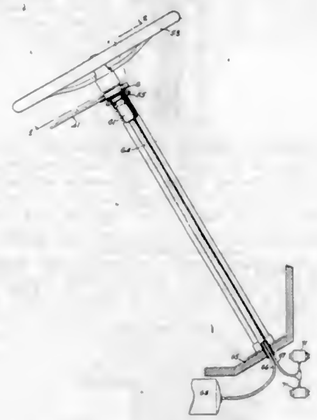
1. A ventilator for closed vehicles comprising louvered panels adapted to be mounted in a window opening transversely of the direction of movement of the adjustable glass panel thereof, said panels being spaced apart with an entrance opening to permit the passage of the glass panel therebetween to regulate the passage of air through said louvers, and means for providing sealing contact between the glass panel and the edges of said ventilating panels along said entrance opening.

1,588,655. INSULATED STEEL STRUCTURE. HARRY C. BRUNNEL, Little Rock, Ark. Filed May 23, 1924. Serial No. 715,333. 10 Claims. (Cl. 189—1.)



3. An insulated steel structure comprising a base, vertical end columns, vertical intermediate columns, the columns being fastened to the base, wall engaging means on the vertical columns, removable wall sections, secured to the columns by said means, the wall sections consisting of units, each unit having an inner wall and outer wall, studs between the inner and outer walls and insulating spaces between the studs, similar insulated units on the floor and like insulated units supported by the columns to provide a roof.

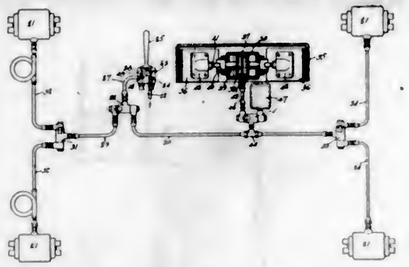
1,588,656. AIR BRAKE-CONTROL-VALVE MECHANISM. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Mar. 8, 1924. Serial No. 697,812. 9 Claims. (Cl. 303—54.)



1. In an air-brake-control valve mechanism, the combination of a casing having an inlet passage for compressed air from a source of supply and an outlet passage to the brake system, a normally closed poppet valve controlling the passage of compressed air from said inlet passage to said outlet passage, an operating pin for said valve in said outlet passage and engageable with the head thereof and provided with means for regulating the passage of air to said outlet passage, and means for operating said pin.

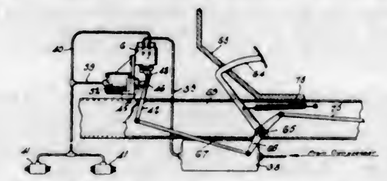
1,588,657. SEALING VALVE. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Mar. 8, 1924. Serial No. 697,813. 2 Claims. (Cl. 303—84.)

1. An automatic sealing valve for air pipe lines comprising a chamber having an inlet and outlets, plugs slidably mounted in said outlets and having passages, means to limit the inward movement of said plugs, a balanced valve in said chamber having faces engaged by said plugs and adapted to cooperate with faces at the outlets adjacent said plugs, springs acting on said plugs to maintain the valve in a normally inoperative position, means for establishing communication between said inlet and the outlets around said faces, said valve being shifted



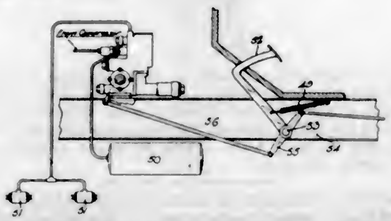
by a change in pressure conditions at the outlets of the casing whereby release of pressure at one of said outlets will cause a shifting of said valve to close said outlet against escape of air therefrom.

1,588,658. CONTROL FOR AIR BRAKES. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Apr. 9, 1924. Serial No. 706,363. 16 Claims. (Cl. 303—54.)



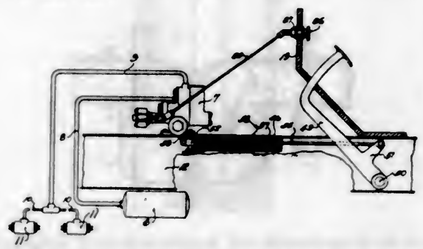
1. In air-brake-control valve mechanism, the combination with the brake system, of a normally closed inlet valve controlling the supply of compressed air to said system, a relief valve to relieve the air pressure in said system, a spring tending to close said relief valve, means for operating said valves to control the pressure of air in said system including an operating member, means, operated by the pressure of the fluid in said brake-system, acting on said member to change its position during a brake application so that any given position of said operating member is related to the pressure then existing in the braking-system, whereby the varying of the position of said operating member will vary the braking pressure in said system, and means acting on said operating member to effect the opening of said relief valve against said spring.

1,588,659. VEHICLE BRAKE-CONTROL VALVE. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Aug. 1, 1924. Serial No. 729,500. 10 Claims. (Cl. 303—50.)



1. In air-brake-control-valve mechanism of the class described, the combination with a brake system, of inlet and exhaust valves respectively controlling the supply of air to and the exhaust from said system, means including a foot-pedal for operating said valves, and feeler mechanism associated with said means to notify the operator of his operation of said foot pedal and to apprise him of the fact that he is making a brake application.

1,588,660. BRAKING APPARATUS FOR VEHICLES. NIELS A. CHRISTENSEN, Milwaukee, Wis. Filed Dec. 15, 1924. Serial No. 755,989. 10 Claims. (Cl. 303—54.)

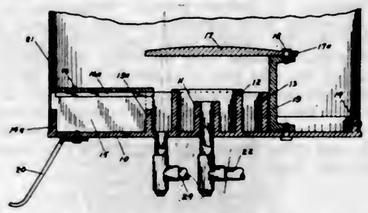


1. In a vehicle braking apparatus, the combination with a brake system and its control valve mechanism, of means, actuated by the operator, to operate said control valve mechanism to make a brake application, and adjustable means limiting the extent of operation of said control valve mechanism and thereby limiting the amount of braking pressure that may be used by the operator.

1,588,661. EXPANDED-METAL FABRIC. NORRIS ELMORE CLARK, deceased, late of Plainville, Conn., by Lida C. Clark, executrix, Lakeville, Conn.; said Clark assignor to Robert S. Allyn, trustee, New York, N. Y. Original application filed May 10, 1919, Serial No. 296,087. Divided and this application filed Dec. 29, 1922. Serial No. 609,564. 9 Claims. (Cl. 72—117.)

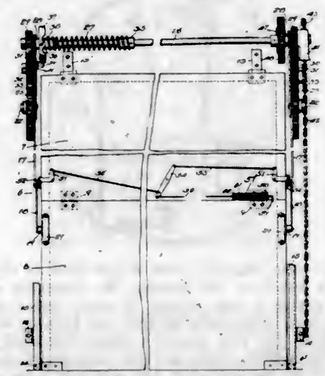
2. A metallic reenforcing fabric comprising an expanded section, deep ribs secured thereto, rods connecting said ribs and stay members connecting said rods to said expanded section between the ribs.

1,588,662. OIL BURNER. GEORGE K. COGSWELL, Darlow, Kans. Filed Nov. 13, 1924. Serial No. 749,643. 1 Claim. (Cl. 158—91.)



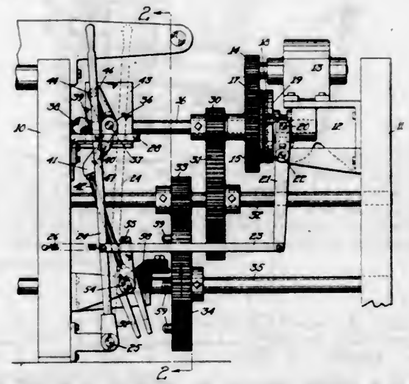
An oil burner including a flat circular disc having four concentric upstanding ribs integral therewith, said disc being provided with a centrally positioned aperture for admitting liquid fuel, the innermost of said ribs surrounding the central aperture of said disc to constitute a passageway for the fuel, the second of said ribs having its upper edge at a higher level than that of the said innermost rib and forming therewith a combustion cup, the third of said ribs having a height less than that of the second of said ribs but greater than that of the said innermost rib and forming with said second rib an annular overflow chamber for the fuel, the fourth of said ribs being adjacent the periphery of said disc and having its upper edge at a lower level than that of the second of said ribs, a plurality of pairs of radial ribs integral with and connecting said third and fourth concentric ribs, each pair of said radial ribs forming a tuyère for the passageway of air, said third rib being cut away between the ribs of each pair of said radial ribs, and removable covers for said tuyères, said covers being each adapted to completely cover only one tuyère.

1,588,663. FOLDING DOOR. THOMAS E. COLLINS, Chicago, Ill.; Mary A. Collins executrix of said Thomas E. Collins, deceased. Filed Feb. 9, 1923. Serial No. 617,939. 12 Claims. (Cl. 268—74.)



1. In a device of the class described, the combination of a vertically moving door comprising a pair of sections hinged together, a pivotally swinging operating arm, a link pivoted thereto and having pivotal connection with the said door, near the top of the lower section, and actuating means comprising toothed wheels for driving said operating arm.

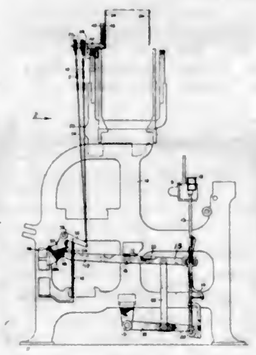
1,588,664. REVERSE MOTION FOR LOOMS. EDWARD J. DACEY and ALBERT A. GORDON, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1925. Serial No. 72,586. 6 Claims. (Cl. 139—1.)



1. In a loom, a shipper handle movable toward and from running position, a constantly moving member in time with the loom, reversing mechanism for the loom.

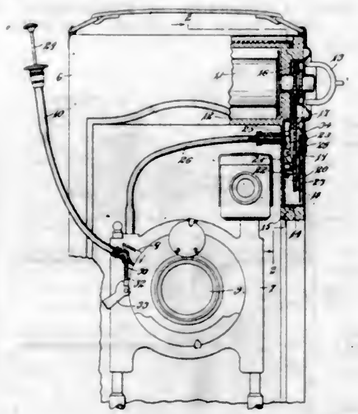
and means effective only when the loom is reversed to establish operative connection between the member and the shipper handle at periodic intervals to move the shipper handle from running position.

1,588,665. BOX MOTION FOR LOOMS. CHARLES A. DIGGINS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 25, 1924. Serial No. 728,268. 6 Claims. (Cl. 139—171.)



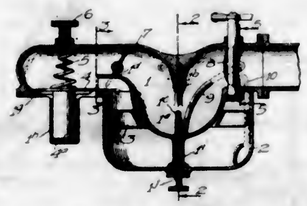
1. In a loom, shuttle boxes, a box lever to raise and lower the boxes, a roll thereon, an angularly movable member having a cam surface, a notch and a dwell, a harness lever, connections between the harness lever and the member, the roll normally being positioned in the notch, said member being movable throughout the whole motion of the harness lever and said roll being engaged by the cam surface during a portion of the movement of the member and engaging the dwell for the remainder of the motion thereof, and means to return the member as the harness lever moves in the opposite direction to bring the notch into operative relationship with the roll.

1,588,666. CAMERA. PAUL S. DONCHIAN, Hartford, Conn. Filed June 8, 1923. Serial No. 644,156. 3 Claims. (Cl. 95—51.)



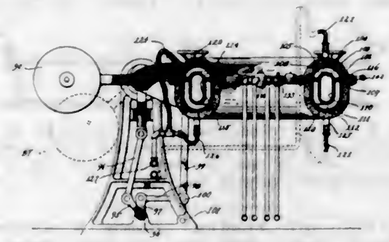
2. A camera including an indicator, a shutter with means for operating it, a film support with means for operating it, intermeshing gears operatively connected with both of said operating means, means for permitting operation of one of said gears independently of another, a retainer to prevent operation of said last mentioned gear, and a connection between said shutter operating means and said retainer for operating the latter.

1,588,667. CARBURETOR. NOBLE ECKLES, San Diego, Calif., assignor of three-fourths to Lewis W. Rhode, San Diego, Calif. Filed Apr. 22, 1920. Serial No. 375,691. 7 Claims. (Cl. 261—59.)



1. In a carburetor, the combination of a carbureting chamber having an air inlet and a mixture outlet, an anterior air valve controlling said air inlet, a throttle valve controlling said mixture outlet, a constant level fuel chamber, means adapted to transmit suction from said carbureting chamber to said constant level chamber, and a port mechanically controlled by the movement of said air valve and arranged to be alternately connected thereby to the atmosphere or to the suction of said carbureting chamber for controlling the admission of air to said constant level chamber.

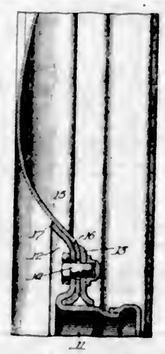
1,588,668. VULCANIZING APPARATUS. WALTER L. FAIRCHILD, New York, N. Y. Filed Dec. 10, 1921. Serial No. 521,391. 33 Claims. (Cl. 18—18.)



1. A device of the class described, adapted for the vulcanization of hollow articles, comprising a pair of co-operating mold members adapted to form a vulcanizing chamber therebetween when in contacting relation, the said members being interiorly U-shaped and one member of the said pair of members having the greater internal finished heating surface, each of said members being provided with a steam chest to heat said chamber, and means to supply and extract air and vulcanizing gas to and from the interior of the article contained within said chamber.

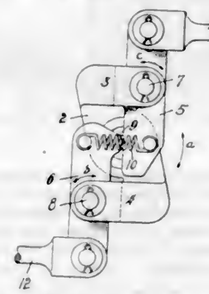
1,588,669. DISK-WHEEL-HUB ASSEMBLY. GEORGE H. FORSYTH, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Original application filed Mar. 24, 1922, Serial No. 546,272. Divided and this application filed Jan. 16, 1925. Serial No. 2,793. 3 Claims. (Cl. 301—8.)

1. In a disk wheel, the combination of a central hub portion, and a disk body portion, the wheel provided at the hub with a radially projecting disk supporting member, and means to clamp the disk to the supporting member, the contour of the overlapping portions of the disk and supporting member being diverse to the extent that when brought together the disk will first contact



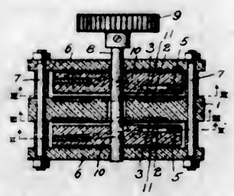
the support non-uniformly and be slightly deformed under force ultimately applied to effect and maintain a tight fit under stress.

1,588,670. EQUALIZING MEANS. GUY C. FRICKE, Toledo, Ohio. Filed Apr. 24, 1925. Serial No. 25,571. 12 Claims. (Cl. 188—204.)



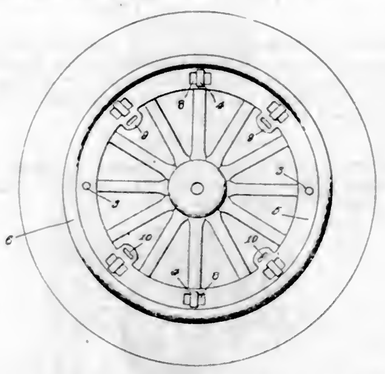
5. A power equalizing device, comprising a rotatable shaft, diametrically opposed arms secured to and extending beyond the ends of said shaft, pivoted equalizing means carried by each of said arms adapted to move independently of each other, and power transmitting means secured to said pivoted means and movable therewith when the shaft is rotated.

1,588,671. ELECTRIC CONDENSER. CARL S. GERBER, Pittsburgh, Pa. Filed Apr. 1, 1925. Serial No. 19,762. 4 Claims. (Cl. 250—41.)



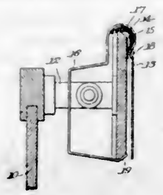
1. A variable electrical condenser including two blocks of insulating material arranged face to face and movable one relatively to the other, two strips of conducting material and a sheet of insulating material, the two strips of conducting material being anchored each at one end to one of said blocks, with the sheet of insulating material between them, and extending from such anchorage in the direction of relative movement between said blocks, the second block being slotted transversely of the direction of such relative movement, the outer of said strips extending when the parts are assembled from its anchorage through the slots in the second block, and means for making electrical connections with said strips severally at their anchored ends.

1,588,672. SECTIONAL RIM. EARL WILLIS GILPATRICK, Whiting, Me. Filed Apr. 9, 1923. Serial No. 630,886. 1 Claim. (Cl. 152—21.)



A wheel having a tire engaging flange at one side of its felly, rectangular headed bolts rotatably mounted in the other side of the felly, a ring for engaging the outer side of the felly and having a tire engaging flange thereon and rectangular holes therein for receiving the heads of the bolts, said heads locking the ring on the felly when rotated a quarter turn, projections on the felly engaging holes in the ring, inwardly extending ears on the ring having slots therein for receiving a tool to facilitate handling of the ring and its removal from the felly.

1,588,673. GLARESHIELD. ELMER R. GINGRICH, Lancaster, Pa. Filed Jan. 3, 1925. Serial No. 382. 8 Claims. (Cl. 45—97.)

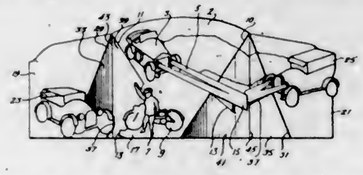


1. The combination with a rear view mirror for vehicles, of a glare shield having its upper edge movably contacting with and along the adjacent edge of the mirror, and clamping means engaging said shield and the lower portion of the mirror and adapted to maintain the shield by reason of its frictional contact therewith in different positions relative to the mirror.

1,588,674. ADVERTISING DEVICE. GEORGE L. GOLD, New York, N. Y., assignor to L. R. Conwell, New York, N. Y. Filed Dec. 7, 1923. Serial No. 679,264. 3 Claims. (Cl. 40—149.)

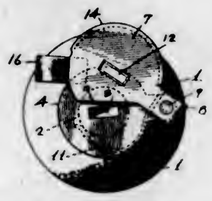
1. An advertising device comprising a one-piece body having a plurality of sets of lines, each set comprising three upwardly converging lines, each central one of which is vertically arranged with respect to the lower

edge of the device while the other two are arranged at unequal angles with respect to said vertical line, portions of the device not encompassed within the space between the lines of each set having in the planes thereof



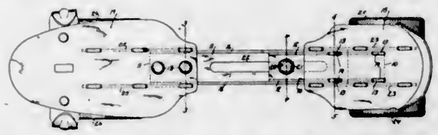
portions cut from within the said space between the lines, and means for folding the device on said lines whereby re-entrant recesses are formed for bracing the device and displaying the said cut portions in relief with respect to one another.

1,588,675. CONTAINER CAP. EMERY T. GOVE, Piedmont, Calif. Filed Nov. 11, 1924. Serial No. 749,304. 6 Claims. (Cl. 221—60.)



1. A container cap comprising the combination, with a collapsible container having a dispensing outlet in one end and an annular flange arranged around said end, of a sheet metal cap pivotally mounted upon said end and mounted to move transversely of said end to close and open the said dispensing outlet therein; a lateral flexible extension formed integrally with said cap and arranged to engage the flange to normally retain said cap in close contact with said end to cover the dispensing outlet therein; and means formed integrally with said cap for engaging the container to normally move the cap in a lateral direction to close the dispensing outlet.

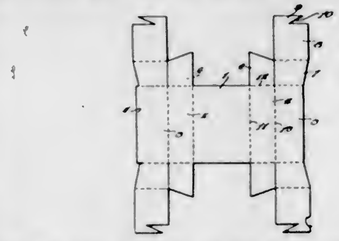
1,588,676. EXTENSION ROLLER-SKATE. JULIAN S. GRAVELY, Wytheville, Va., assignor to Winchester Repeating Arms Co., New Haven, Conn., a Corporation. Filed Apr. 29, 1925. Serial No. 26,596. 1 Claim. (Cl. 208—173.)



An extension roller-skate having a heel plate and a toe plate, a self-stiffening U-girder extension riveted to each of said plates, and sleeving one within the other, one of said extensions being long enough to have its ends bearing against the under side of each of said plates respectively at all times, and a clamping device for clamping the said extensions together.

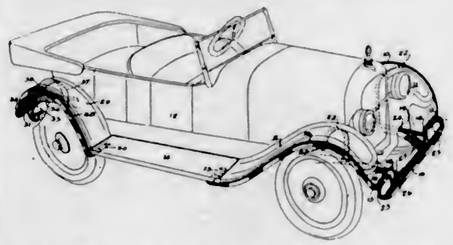
1,588,677. CIGARETTE CONTAINER. GEORGE H. GROSS, Topeka, Kans. Filed Oct. 17, 1924. Serial No. 744,239. 9 Claims. (Cl. 229—40.)

1. A container comprising a back wall, side walls, and front wall sections integral with the side walls and meeting at their free edges, said front wall sections having flaps closing the upper and lower ends of the container, and reenforcing flaps carried by the first mentioned flaps and overturned to extend against the back wall of the



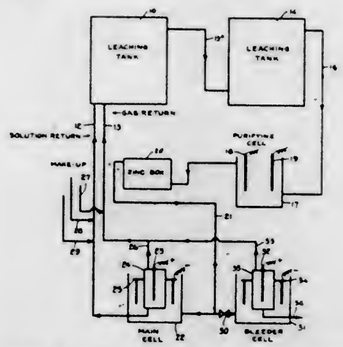
container and reenforce the same, the container being adapted to be spread open at its front by flexure of the mid portion of its back wall.

1,588,678. VEHICLE MUD-GUARD PROTECTOR. PAUL A. GSTALDER, Pittsburgh, Pa. Filed Sept. 10, 1925. Serial No. 55,544. 8 Claims. (Cl. 293—55.)



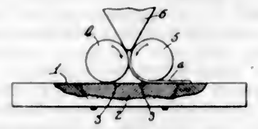
1. A mud guard protector for vehicles comprising a curved bar shaped to the configuration of the outer edge of a mud guard and having at opposite ends laterally bent arms extending in the same direction for attachment to the vehicle to support the bar along the outer edge of the mud guard.

1,588,679. ORE-TREATING PROCESS. EDWIN W. HALE, Cleveland, Ohio, and Colin G. Fink, New York, N. Y., assignors of one-half to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1925. Serial No. 38,650. 22 Claims. (Cl. 204—15.)



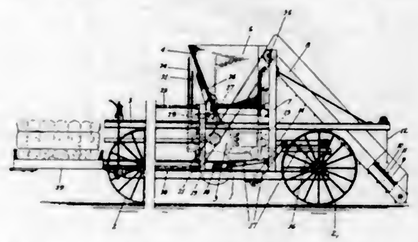
1. A process for extracting metals which includes the formation of a metallic halogen compound and the replacement of the halogen in such compound by another halogen.

1,588,680. PROCESS OF MAKING GLASS LETTER PLATES. RAYMOND F. HANCOCK, Marion, Ind., assignor of one-half to James Boyce, Laketon, Mich., and one-half to Harry F. Anderson, Marion, Ind. Filed Feb. 5, 1925. Serial No. 6,951. 2 Claims. (Cl. 49—79.)



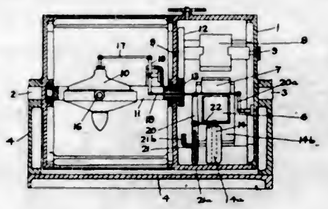
1. The method of producing concavo-convex glass sign-character plates which consists in rolling a mass of molten glass into a sheet between two rollers, depositing the sheet directly upon a die plate, and exerting fluid pressure against the sheet to force the latter into conformity with the die plate.

1,588,681. COMBINED AUTOMATIC HAYRAKE AND HAY BALER. EDWIN H. HANEY, Yakima, Wash. Filed June 16, 1925. Serial No. 37,503. 6 Claims. (Cl. 100—19.)



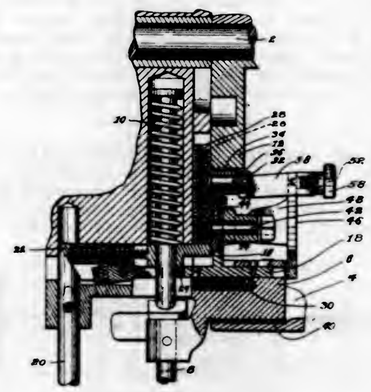
1. A harvesting machine comprising with a pair of balers mounted in common in side by side relation, interconnected hoppers for both balers having transversely spaced bottom openings, a hay elevator common to both balers and delivering to the hoppers, closure members for said openings connected together for alternating opening and closing movement, and means whereby hay can only be delivered from the elevator to that hopper whose closure member is open.

1,588,682. SIGHT FOR GUNS, BOMB DROPPERS, AND THE LIKE FOR USE ON SHIPS AND OTHER MOVING PLATFORMS. JAMES BLACKLOCK HENDERSON, Lee, England. Original application filed July 26, 1919, Serial No 313,541, and in England Aug. 4, 1916. Divided and this application filed July 28, 1920. Serial No. 399,606. 18 Claims. (Cl. 88—1.)



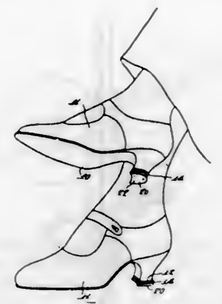
1. In apparatus for sighting a projectile discharging device mounted on an angularly moving plateform, a member adapted normally to bear a predetermined relation to the line of sight, a gyroscope, means associated with the gyroscope whereby the relation of the member to the line of sight may be changed in accordance with the angular movement of the platform and means associated with said means for controlling the change in the relation of the member in accordance with the range adjustment of the device.

1,588,683. BRAKE MECHANISM. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 12, 1923. Serial No. 680,239. 18 Claims. (Cl. 188—135.)



4. In mechanism of the class described, the combination with a driven element, of a brake shoe arranged to engage said driven element, a rotatable cam member having a fixed throw for operating said brake shoe, and power transmitting connections between said member and brake shoe comprising an eccentric adjustable to vary the pressure applied by the brake shoe.

1,588,684. DETACHABLE HEEL FOR SHOES. MAURICE MAYOROWITZ, New York, N. Y. Filed Feb. 17, 1925. Serial No. 9,800. 2 Claims. (Cl. 36—36.)

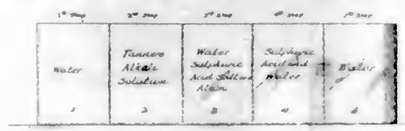


1. In combination, a heel having headed studs, a sole plate having bayonet slots, said studs adapted to be engaged in said slots, and a spring finger struck from the metal of the plate itself adapted to engage with one of said studs after it has been engaged in its respective slot, and an anchor plate on the stud engaging the sole plate for aiding in retaining the sole plate rigidly on the heel.

1,588,685. ATTACHMENT FOR EYEGLASSES. HERBERT M. OBRISS, Montecito, Calif. Filed Aug. 24, 1923. Serial No. 659,161. 6 Claims. (Cl. 88—41.)

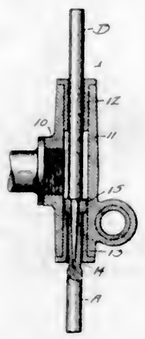
1. A device of the character described, comprising a darkened lens, and means on the lens by which it can be detachably secured in superposed relation to the lens of an eyeglass or spectacle, said means comprising peripherally disposed lips and a resilient member having lens receiving lips adapted to co-operate with the first lips in the manner and for the purpose described.

1,588,686. METHOD OF BLEACHING SOLE LEATHER. JACOB RAISON, Hornell, N. Y., assignor of one-third to Dudley S. Mersereau and one-third to John M. Payne, both of Endicott, N. Y. Filed Jan. 25, 1922. Serial No. 531,725. 2 Claims. (Cl. 149—5.)



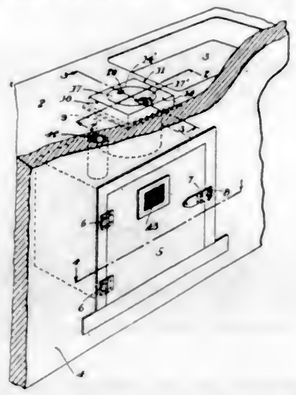
1. The herein described process of bleaching leather which consists in dipping the leather into water having a temperature of approximately 120° F., then dipping the leather into an alkali solution, then dipping the leather into a solution of water and equal parts by weight of sulphuric acid, salt and alum, the quantity of water employed being sufficient to bring the solution to approximately 40° Baumé, and lastly dipping the leather into a weak solution of sulphuric acid and water of approximately 20° Baumé.

1,588,687. STEERING-KNUCKLE-BUSHING REMOVER. ALFRED W. RICHTER, Rock Valley, Iowa. Filed June 16, 1924. Serial No. 720,245. 2 Claims. (Cl. 29—88.2.)



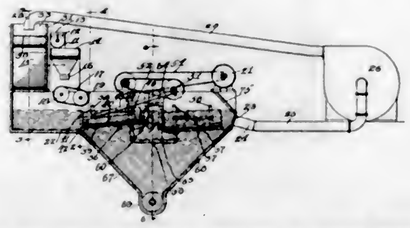
1. In a device of the class described to be used in removing bushings from the ends of an integral journal boxing in which the inner ends of the bushing are spaced from each other, an engaging tool having a head of normal diameter slightly less than the interior diameter of the bushing, and having a reduced neck forming, together with said head, a shoulder, the head and neck being furcated, the engaging tool being insertable through a bushing to a point where the head clears the inner end of the bushing, an expanding tool insertable through the other bushing and having a shank of uniform diameter slightly less than the diameter of said bushing, whereby it may be passed entirely through said other bushing, said expanding tool having a beak receivable within the furcated portion of the engaging tool for expanding the head of the engaging tool, said beak being of such length and diameter relative to the space between the furcations of the engaging tool as to penetrate substantially to the bottom of said space and to be grasped by said furcations during substantially its entire length, whereby said engaging tool will cling to said expanding tool.

1,588,688. AUTOMATIC REFUSE RECEIVER. WILLIAM L. ALLEN, Los Angeles, Calif. Filed June 15, 1925. Serial No. 37,182. 1 Claim. (Cl. 220—98.)



In a garbage receiver, a trap, an entrance door hinged above the trap, an exit door hinged at the bottom of the trap, a link hanger connected at its lower end to said exit door, and a hanger rod connected at its upper end to said entrance door and formed with a hook on its lower end for engaging the upper end of said link whereby the exit door is caused to close when the entrance door is opened and the exit door is caused to open when the entrance door is closed, and a hook on the inside of the trap to be engaged by the upper end of said link hanger, to hold said exit door closed when said hanger is disengaged from said hanger rod hook, and to enable said entrance door to be opened and closed independently of said exit door.

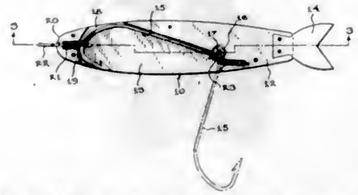
1,588,689. HYDRAULIC SEPARATING MECHANISM. JOHN B. ARPIN, Wisconsin Rapids, Wis. Filed July 25, 1922. Serial No. 577,310. 1 Claim. (Cl. 209—17.)



In a device of the class described, a topper shaped tank, a centrifugal pump having its inlet connected to one side of said tank, a screen adjacent the other side

of the tank adapted to receive the discharge from said pump, means for returning water passing through the screen to said tank, means for introducing material to be separated into the tank on the same side as said screen and means within the tank for restricting the fall of such material through the water to allow the lowest specific gravity constituents thereof to be withdrawn by said pump, the portion so withdrawn including the larger particles of such constituents in the material treated.

1,588,690. ARTIFICIAL BAIT. ELWIN J. BABBITT, Holland, Mich. Filed Sept. 28, 1925. Serial No. 59,190. 3 Claims. (Cl. 43—35.)

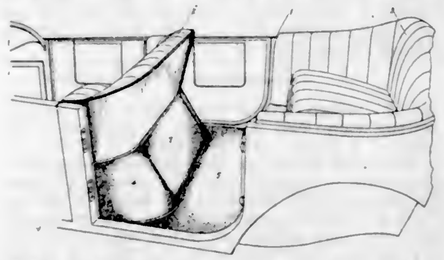


1. An artificial bait including a body having a lengthwise slot intermediate its ends and an axial opening at its forward end communicating with said slot, a hook pivoted at one end in the slot of the body for swinging movement externally of the body and having a stop member near its opposite end, a trigger shiftable in the axial opening, having a fork at its inner end engageable with the hook adjacent to its stop member whereby to normally hold the hook in housed position within the body and also having a line attaching member at its outer end, spring means normally holding the trigger in its inner effective position, and spring means engaging the hook for swinging the same externally of the body when the trigger is released therefrom.

1,588,691. METHOD OF MAKING ARSENATES. HARRY P. BASSETT, Cynthiana, Ky., and ELBERT C. LATHROP, Philadelphia, Pa. Filed Apr. 10, 1924. Serial No. 705,693. 8 Claims. (Cl. 23—53.)

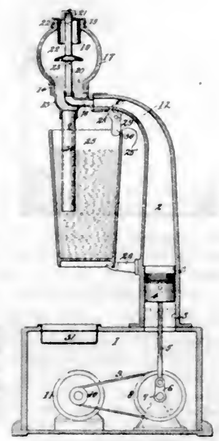
1. The method of oxidizing arsenious compounds to form arsenates which comprises treating said compounds with chlorine in the presence of a base capable of forming a soluble chlorid and a substantially insoluble arsenate, and then treating this substantially insoluble arsenate with a compound, the cation of which forms a more soluble metal arsenate or mixtures of more soluble arsenates and the anion of which combines with the base of the substantially insoluble arsenate to form a more insoluble compound.

1,588,692. FOLDING SEAT. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 9, 1919. Serial No. 329,430. 6 Claims. (Cl. 296—66.)



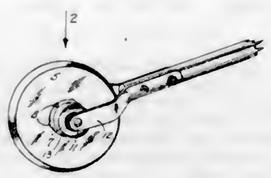
1. In a body structure, a rear seat, a front seat having a downwardly and rearwardly sloping base portion, a panel forming a part of the sloping base portion capable of being raised to form a third seat, said panel being substantially flush with adjacent parts of said base portion in the closed position, and having its outer face adapted to become the top of said third seat.

1,588,693. MIXING APPARATUS. HOSMER BLUM, San Francisco, Calif. Filed Sept. 24, 1924. Serial No. 739,612. 6 Claims. (Cl. 259—95.)



1. A liquid mixing apparatus comprising a tube for insertion at one end into a liquid container, a liquid reservoir with the base of which the other end of the tube connects, a second tube leading from the reservoir to a point near its upper end, and means for alternately creating suction and pressure within the respective tubes and reservoir.

1,588,694. LAWN EDGER. FRANK BISHOP, Los Angeles, Calif. Filed Feb. 20, 1926. Serial No. 89,783. 4 Claims. (Cl. 97—227.)



1. In combination: a disk colter having a series of perforations therethrough arranged on a concentric circle; and a co-axial hub cup on each side of said disk; said cups having castellated rims with fingers thereon projecting through said perforations and clinched over the rim of the opposed cup.

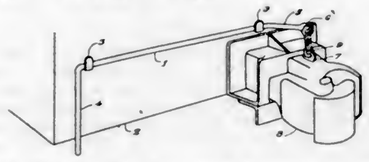
1,588,695. LAUNDRY NET. WALTER BOEHM, Hutchinson, Kans. Filed June 5, 1924. Serial No. 718,093. 4 Claims. (Cl. 150—1.)

3. In a laundry bag having opposed side walls: means passing through both of said side walls adjacent an upper corner thereof to prevent tearing of one wall from

the other, and to assist in flattening the upper end of the bag to fold it in a zig-zag manner, and opposed grommets passing through said side walls, all of said

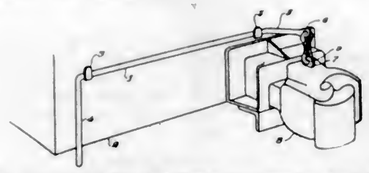
grommets being adapted to receive a fastener when the bag is folded in the above mentioned zig-zag manner at its upper end.

1,588,696. DEVICE FOR OPERATING CAR COUPLERS. CHARLES DAVID BONSALL, New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 24, 1924, Serial No. 745,635. Divided and this application filed Apr. 13, 1925. Serial No. 22,667. 12 Claims. (Cl. 213—166.)



1. A connector for a railway car coupler and its operating rod, comprising a plurality of members, each having a hook at one end and a hole at its opposite end, said hooks positioned complementarily to form closed eyes at the opposite ends of the connector, a pin nonrotatively engaging all of said holes so as to retain said members in the position forming the said closed eyes, and means to hold said pin in place.

1,588,697. DEVICE FOR OPERATING CAR COUPLERS. CHARLES DAVID BONSALL, New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 24, 1924, Serial No. 745,635. Divided and this application filed Apr. 13, 1925. Serial No. 22,668. 14 Claims. (Cl. 213—166.)

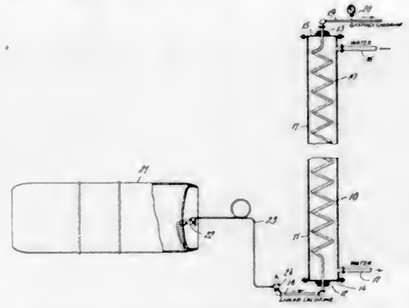


1. A connector for a railway car coupler and its operating rod, comprising two pairs of complementary members, each pair of complementary members pivotally connected to move opposite each other to form a closed eye, and separate means to pivotally connect said pairs of members.

1,588,698. GAME. LEORA R. BOYD, Los Angeles, and MARIE M. CORBY, Alhambra, Calif. Filed Nov. 2, 1925. Serial No. 66,302. 2 Claims. (Cl. 273—144.)

2. A fortune telling game comprising a book of indexed fortunes, a set of indexed players' pieces, and a seer or characteristic figure shaped box including a magazine for the pieces and having a mouth registering with the mouth lines of the head, and a mouth closure.

1,588,699. EVAPORATION OF CHLORINE. BENJAMIN T. BROOKS, Sound Beach, Conn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Oct. 22, 1923. Serial No. 669,904. 5 Claims. (Cl. 122—32.)

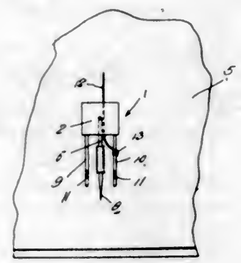


4. The method of evaporating liquid chlorine which comprises withdrawing water at ordinary atmospheric temperature from a main, by-passing this water in heat interchanging relation with the liquid chlorine, and then returning the water to the main.

1,588,700. FEED-GAUGE PIN. CHARLIE R. BROOKS, Wichita Falls, Tex. Filed July 9, 1925. Serial No. 42,502. 1 Claim. (Cl. 101—415.)

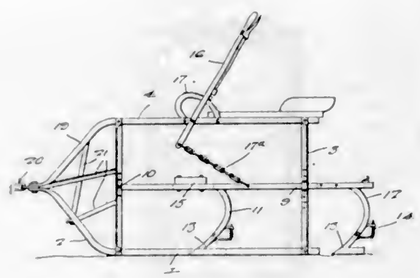
A feed gauge pin of the class described comprising a substantially rectangular solid body portion, a tympan sheet engaging tooth formed on the bottom of the body portion and having its front face flush with the forward edge of the body portion, the bottom edge of the tooth being sharpened and adapted to bite into the tympan sheet, a prong extending along the bottom of the rear portion of the solid body, the forward end of said prong being bent upwardly and disposed within the body portion,

the rear end of the prong being pointed and extending rearwardly from the body portion and adapted to be inserted in the tympan sheet, pressure members extending



rearwardly from the body portion on opposite sides of the prong, the rear ends of the pressure members terminating in tympan sheet engaging feet, and a tongue projecting from the forward end of the solid body portion.

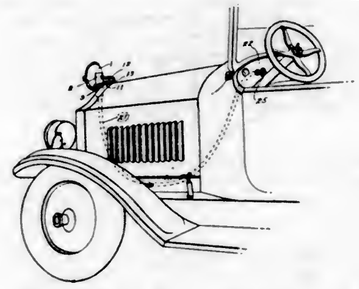
1,588,701. COTTON CHOPPER. JOHN M. CALDWELL, Southmayde, Tex. Filed Sept. 8, 1924. Serial No. 736,601. 1 Claim. (Cl. 97—23.)



In a structure of the class described, a pair of spaced end frames disposed in parallelism, each frame being composed of angle bars, there being top and bottom horizontal bars and forward and rearward vertical bars, the forward ends of the horizontal bars being directed toward each other in converging relation and secured together to provide draft connecting means, the upturned end of the lower bar converting the latter into a runner, and angular cross-members connecting said frames together in assembled relation, said cross members being composed of sections adjustably connected with each other, and a pair of horizontal plow carrying arms, there being an arm for each end frame, said arm being adjustably connected with the vertical bars of the respective frame and being provided with depending standards.

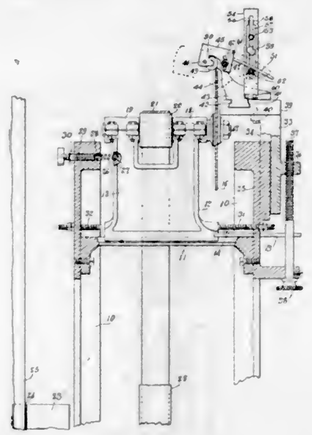
1,588,702. DIRIGIBLE LAMP. WILLIAM A. CANNON, Carmel, Calif. Filed July 7, 1924. Serial No. 724,653. 1 Claim. (Cl. 240—61.)

A dirigible lamp of the character described comprising a bracket adapted to be clamped to a portion of an automobile, said bracket having a socket thereon, a lamp rotatably positioned in said socket, said lamp having a flange overhanging the upper edge of the socket, a retainer on the bracket engaging the flange to hold the lamp revolvably seated in the socket, a flexible shaft connected at one end to the lamp axially in line with its point of revolution and extending to a distant point on the automobile, a knob secured to the remote end of the flexible



shaft for turning the same, and frictional means associated with the knob adapted to hold it at any point of revolution.

1,588,703. MECHANISM FOR FORMING HINGES OF LASTS FOR SHOES. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed June 6, 1923. Serial No. 643,609. 4 Claims. (Cl. 144—3.)

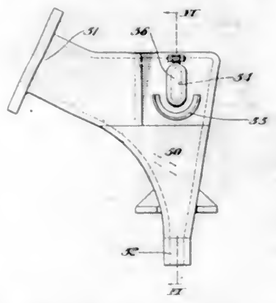


1. In a last-hinging machine, a frame, a transversely moving saw support mounted on said frame, means for moving said support on said frame having its actuating end adjacent an operator, a last carrier, a support therefor mounted on said frame, means for moving said carrier to and from said saw, a holding plate pivotally mounted on said carrier adjacent said saw, said plate having a cutaway portion for the reception of the saw as the plate is moved with the last thereon, means on the holding plate for supporting said last on either side of the portion being cut.

1,588,704. WATER SEAL. JOHN J. CONLIN, Braddock, Pa. Filed May 4, 1923. Serial No. 636,667. 3 Claims. (Cl. 137—75.)

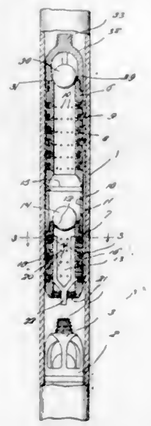
1. The combination with a conduit for conveying liquid, of a liquid seal container secured to the lower end of said conduit, said seal container having a contracted outlet at its lower end and an overflow outlet in its side

wall at a point above said contracted outlet, said contracted outlet being of such size as to normally hold back a quantity of liquid in said container to form a liquid seal, and said overflow outlet being provided with a



hinged closure adapted to normally form a tight joint and to be automatically opened by the pressure of the liquid in said container when its quantity is increased beyond a predetermined amount.

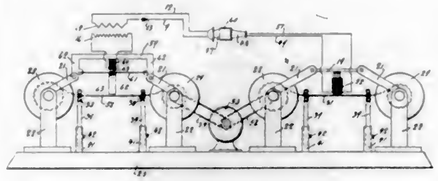
1,588,705. PUMP FOR OIL WELLS. ROBERT H. COPE and ROY MAY, Jackson, Ky., assignors to All Metal Valve Company, Louisville, Ky. Filed July 25, 1924. Serial No. 728,156. 5 Claims. (Cl. 103—225.)



1. A pump plunger comprising a tubular body member having a plurality of annular grooves formed in the periphery thereof, split packing rings mounted in said grooves having bevelled projections on the sides thereof adjacent the outer peripheries, said rings being arranged in sets with one set having the projections extending in one direction and the other set having the projections extending in the opposite direction, and means for engagement and cooperation with one set of rings for holding the same in a contracted inoperative position, said means being operable to release the rings from said inoperative position.

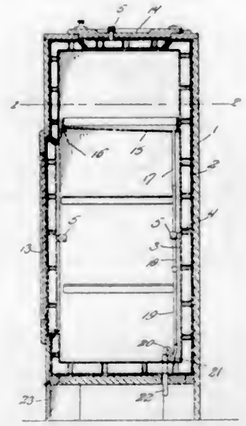
1,588,706. SOUND RECORDING AND REPRODUCING DEVICE. EDWARD EVERETT COTHRAN, Wright, Calif. Filed Nov. 23, 1922. Serial No. 602,894. 5 Claims. (Cl. 179—100.2.)

1. Means for producing a magnetic sound record to synchronize with the action portrayed upon a film of motion pictures comprising an electro-magnet, two standards and a bridging member between the same supporting the said magnet with the pole pieces pointing downwardly, two reels supported in the standards in operative proximity to the electro-magnet having a steel tape wound thereon, means for rotating said reels whereby the tape is fed from



one reel to the other, guide means engaging the steel tape on opposite sides of the electro-magnet for guiding the tape past the pole pieces transversely to the field of the electro-magnet, and means for energizing the electro-magnet in acordance with sound vibrations.

1,588,707. VACUUM ICE CHEST. ALEXANDER CSIGA, Camillus, N. Y. Filed July 23, 1924. Serial No. 727,746. 2 Claims. (Cl. 220—15.)

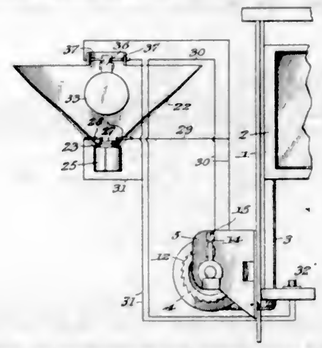


1. An ice chest comprising a casing, a pair of juxtaposed lining sheets applied to the inner surface of the casing, a compartment chamber located interiorly of said casing and spaced from the lining sheets, and undulated strips interposed between the lining sheet and the wall of the compartment chamber, the width of each strip being disposed rectangularly to the walls of the compartment chamber and the lining sheets.

1,588,708. AUTOMATIC WINDOW CLOSER. EARL JAMES CUTSINGER and THURBE MONROE HAGENBOOK, Evansville, Ind. Filed Oct. 26, 1925. Serial No. 64,977. 6 Claims. (Cl. 268—123.)

1. In an automatic window closer, the combination with electromagnetically controlled power means for positively closing a window, of a normally open wind-operated switch, circuit connections therefrom to the aforesaid means, a normally open rainfall-operated switch, and

circuit connections from said rainfall-operated switch to the aforesaid electromagnetically controlled window-clos-

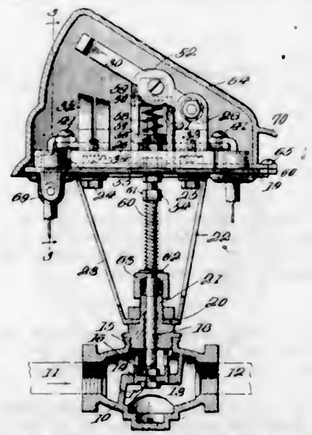


ing power means, whereby said power means is set in operation to positively close the window when either of said switches is operated.

1,588,709. CLASP. SELINA DINKELBUHLER, Denver, Colo. Filed Nov. 24, 1925. Serial No. 71,052. 1 Claim. (Cl. 24—88.)

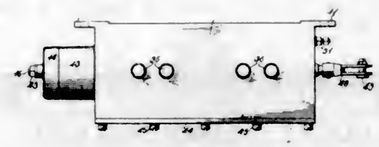
A fastener for securing two garments together comprising two straight flat parts of considerable length and substantial width, each of said parts being provided on one side with a pin and a cooperating hook for holding the pin in closed position, the opposite sides of the straight flat members having snap fasteners for detachably connecting the said members, there being at least two of said fasteners spaced so that the members are prevented from moving out of alinement when connected thereby.

1,588,710. PRESSURE-OPERATED SNAP SWITCH. MANUEL D. DOMINGUEZ, New Orleans, La., assignor to Charles A. Denis and George Sarpy, both of New Orleans, La. Filed Nov. 22, 1923, Serial No. 676,415. Renewed Apr. 6, 1926. 2 Claims. (Cl. 200—82.)



1. A pressure operated switch comprising, in combination, a valve, a piston in said valve actuated to open the valve by means of reduction of pressure upon one side thereof, said valve having a restricted opening for equalization of pressure when flow through the valve is stopped, a rod connected with said piston, a yoke carried by said rod, a spring acting upon said rod to close said valve, a switch positively actuated by said yoke when said piston moves to open the valve, a spring between said yoke and switch resiliently pressing said switch toward open position when said valve is closed by action of said first named spring, and means for positively pressing said switch toward open position upon full compression of said second named spring.

1,588,711. ELECTROMAGNETICALLY-OPERATED MOTOR. MANUEL D. DOMINGUEZ, New Orleans, La. Filed May 13, 1925. Serial No. 30,105. 6 Claims. (Cl. 175—337.)



1. An electromagnetically operated motor comprising, in combination, a plurality of fixed core pieces having faces in juxtaposition, coils mounted upon and encircling said cores, said faces bearing substantially semi-circular recesses, a movable core normally projecting into the space between certain of said cores and adapted to be drawn into the space between other of said cores upon energization of the coils, means for connecting said movable core to a member to be operated.

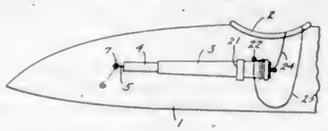
1,588,712. VALVE-CONTROLLING APPARATUS. SIMON P. DUCK, Jenks, Okla. Filed Nov. 15, 1924. Serial No. 750,036. 9 Claims. (Cl. 137—68.)

4. An automatic cut-off for oil tanks comprising a cylinder having an opening therein for the transmission of liquid thereto and having also an air vent, of a float therein, means for controlling said air vent in accordance with the position of said float, a pipe line and a valve operatively connected to said float for controlling said pipe line.

1,588,713. PARCEL PARACHUTE. JOSEPH H. ELLINGSWORTH, East Moline, Ill. Filed Dec. 24, 1925. Serial No. 77,570. 6 Claims. (Cl. 244—21.)

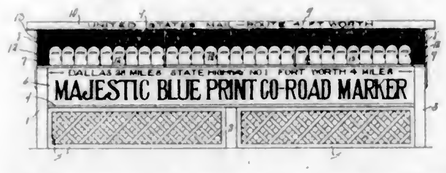
1 A device of the class described, comprising a cylinder adapted to be swingingly supported at one of its ends

to the side of an air-ship; a tubular member removably held in the movable end of said cylinder; and a parachute



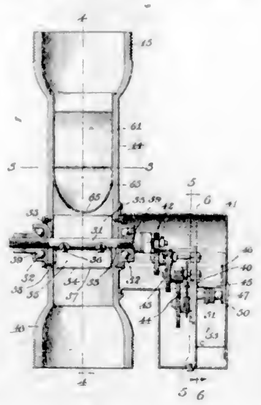
contained in said tubular member, and capable of discharge therefrom by the weight of an object attached thereto.

1,588,714. COMBINED ROAD MARKER AND MAIL-BOX SUPPORT. JEWETT G. EVANS, Fort Worth, Tex. Filed June 11, 1923. Serial No. 644,620. 2 Claims. (Cl. 40—145.)



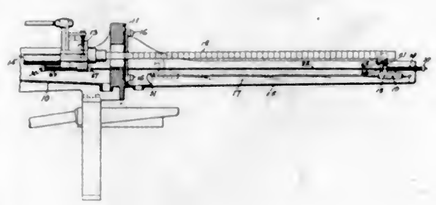
1. A combined road marker and mail box support comprising a central post and end posts, bracing lattice members attached to said posts, an information-carrying board mounted and attached to said posts, a mail box compartment mounted on said board and attached thereto and to said end posts, a roof provided with members for carrying information and for protecting said mail box compartment from weather conditions, and wire screen attached to the rear side of said mail box compartment and roof for protecting packages of mail placed on top of the mail boxes.

1,588,715. OIL-STOP STATION METER. JOSEPH FAVATA, Jr., Buffalo, N. Y. Filed Apr. 19, 1923. Serial No. 633,325. 5 Claims. (Cl. 73—37.)



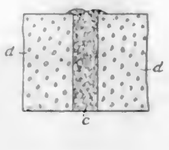
1. A device of the kind described, comprising a conduit, a paddle within said conduit, registering mechanism connected with said paddle wheel, and a tube within said conduit directly above said paddle wheel through which liquid to be metered is passed, said tube being abruptly restricted laterally in one direction near its upper end and being obliquely disposed and centralized at its lower end to direct the liquid in jet form against said paddle wheel at one side of its center.

1,588,716. BROACH GUIDE. JOHN P. FERRIS, Milwaukee, Wis. Filed Feb. 16, 1924. Serial No. 693,172. 6 Claims. (Cl. 90—33.)



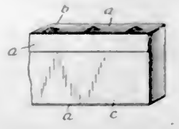
1. In a horizontal broaching machine the combination of tool reciprocating means, a tool guide, and yieldable connections between said means and guide for reciprocating said guide with the tool during the working and return strokes thereof.

1,588,717. CROWNING STRIP FOR EXPANSION JOINTS. ALBERT C. FISCHER, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,360. 3 Claims. (Cl. 94—18.)



1. In combination, a preformed expansion joint, comprising a strip of compressible material, and a reinforcing crown fitting over the edge of the strip and having depending portions extending over the sides of the strip.

1,588,718. CORNER PROTECTION FOR EXPANSION JOINTS. ALBERT C. FISCHER, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,366. 6 Claims. (Cl. 94—18.)

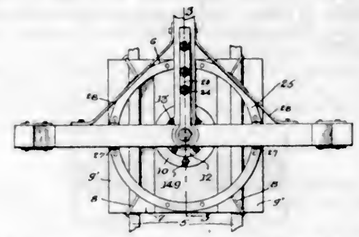


1. An angular corner reinforcing strip for expansion joints, one face of which has projecting prongs therefrom, adapted to be embedded in an edge or side thereof, the other plate being free therefrom.

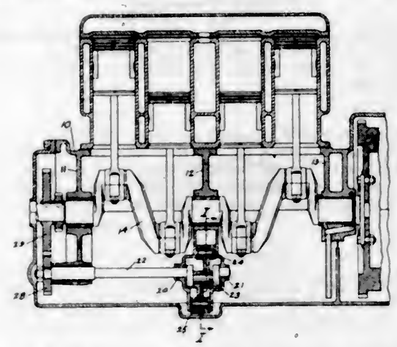
1,588,719. FIFTH WHEEL FOR TRUCKS AND TRAILERS. ARCHEY L. FRENCH, Marshall, Tex. Filed June 6, 1923. Serial No. 643,754. 2 Claims. (Cl. 280—33.1.)

1. In a fifth wheel for a truck and trailer, a plate suitably supported on the frame of a truck, a bearing thereon, a king pin comprising a ball and an integral shank, the said ball being supported in the bearing, means for securing the ball in the bearing to permit universal

movement thereof, a bolster mounted on the shank of the king pin, a shoulder between the ball and the end of the said shank of the king pin, a plate having an aperture to receive the shank supported on the said shoulder, a coupling supported by said plate and braces secured to said coupling and connected to the said king pin.

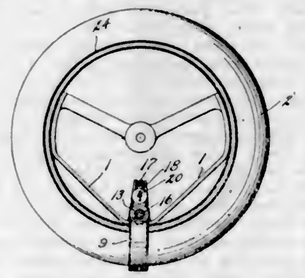


1,588,720. ENGINE BALANCER. ALVA B. GILBERT, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed May 23, 1924. Serial No. 715,349. 5 Claims. (Cl. 74—38.)



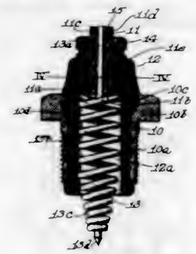
1. In a reciprocating engine, a crankshaft, a second shaft rotating at twice crankshaft speed, a counterbalancing mass, and connections driven by said second shaft for causing reciprocations of the said mass at twice crankshaft speed with simple harmonic motion in substantially a vertical line.

1,588,721. TIRE LOCK. HARRY FLINTHAM, Detroit, Mich. Filed Feb. 27, 1922. Serial No. 539,669. 1 Claim. (Cl. 70—90.)



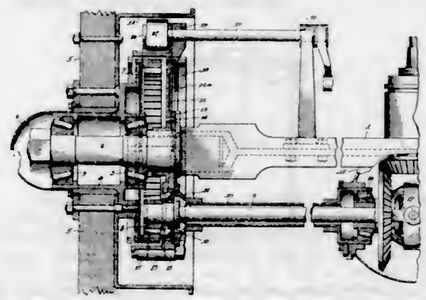
Means adapted for holding a spare tire on a tire carrier, comprising an angle bracket having an apertured leg, a screw member projecting from the lower part of said bracket, a hook shaped member having its hook portion under said bracket and adapted to embrace a tire on the carrier, said hook shaped member extending alongside the leg of said bracket, said member having a recess therein through which extends said screw member, said member adapted to have its upper end extend into the aperture of the leg of said bracket, a nut having a peripheral flange loosely held in the recess of said hook shaped member by a peened-in wall of the member recess and adapted to be rotated in said recess to be screwed on the screw member of said bracket, and locking means between said screw member and the apertured end of said bracket adapted for securing said hook shaped member to said bracket.

1,588,722. CONTACT UNIT OR ASSEMBLY. HENRY FORD, Dearborn, Mich. Filed Dec. 19, 1919. Serial No. 346,154. 10 Claims. (Cl. 173—324.)



1. A contact unit comprising an outer member adapted to be secured in a contact support, a terminal member axially alined therewith, said members being relatively positioned by a unitary insulating element with which both members are permanently and directly connected and in anchored and insulated relation to each other, and a contact member having one end secured to the terminal member and its opposite end projecting beyond the element, said contact member being yieldable in the direction of axis of the unit, the arrangement of the outer end terminal members relative to each other and to the insulating element being such that a plane normal to the axis of the unit at the inner end of the terminal member extends on approximately the plane of the outer end of the outer member, whereby the wall of the insulating element opposite the wall which is in contact with either of said members presents an exposed surface of the insulating element.

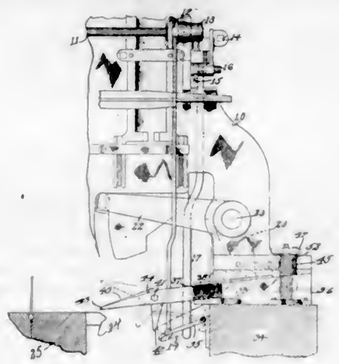
1,588,723. BRAKE FOR MOTOR VEHICLES. JOHN C. HAGGART, Jr., Alma, Mich., assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 26, 1923. Serial No. 670,827. 1 Claim. (Cl. 188—78.)



In a rear axle assembly, an axle, a differential mechanism at one side of said axle, driving means at said axle for said differential mechanism, a wheel rotatably sup-

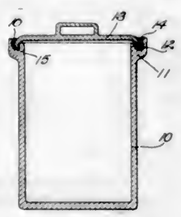
ported by said axle, a brake drum attached to said wheel, an internal gear in said drum and rotatable therewith, a gear housing attached to said axle, an axle shaft disposed parallel to said axle at one side thereof and journaled in said gear housing and adapted to drive said internal gear, shoe supports pivotally connected to said gear housing exteriorly thereof and having free ends adapted to be separated, drum engaging brake shoe fulcrumed on said shoe supports with the fulcrums at opposite sides of a vertical plane through said axle, and means supported from said gear housing at the opposite side of said axle from said axle shaft for separating the free ends of said shoe supports.

1,588,724. COMBINED THREAD CUTTER AND CLAMP. GEORGE HATTOY, Woonsocket, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1924. Serial No. 731,960. 7 Claims. (Cl. 139—263.)



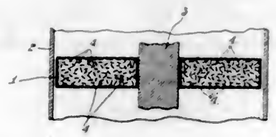
1. In a weft replenishing loom, transferrer mechanism, a lay, thread cutting mechanism, and means having a portion to be engaged and moved forwardly by the transferrer mechanism on a transferring beat of the lay, said means having another portion to move rearwardly and move the cutting mechanism toward the lay.

1,588,725. SEALING MATERIAL. HERBERT MARTIN EDWARD HEINICKE, Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,708. 12 Claims. (Cl. 263—49.)



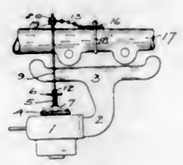
1. A method for sealing containers which consists in filling apertures in the container with a material which is refractory and self-retaining, and then placing thereon another material which is of such a nature as to fill the pores in the self-retaining material during heating.

1,588,726. DRY CELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Nov. 8, 1923. Serial No. 673,539. Divided and this application filed Sept. 18, 1924. Serial No. 738,456. 2 Claims. (Cl. 136—139.)



1. The method of constructing tablets for dry cells which consists in mixing depolarizing material with conducting material, a portion of said conducting material being in the form of flakes, and then subjecting the mixture to relatively high pressure.

1,588,727. AUTOMATIC CONTROL FOR CARBURETORS. FLOYD F. HENRIOT, near Winlock, Wash. Filed Aug. 10, 1922. Serial No. 580,928. 1 Claim. (Cl. 261—39.)

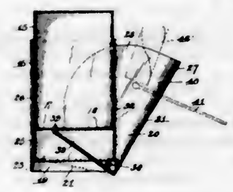


In a device of the class described, the combination with an exhaust manifold; a carburetor; a gasoline passage therein and provided with a valve seat; a screw sleeve mounted in and passing through the shell of the carburetor, coaxial with the valve seat, and rotatable in the shell, thereby providing positive adjustment therein relatively to the said valve seat; a needle valve, adjacent to but separated from said valve seat, having a stem extending coaxially through the sleeve, said valve coacting with the valve seat whereby the extent of opening of the gasoline passage is controlled by the adjustment of said needle valve closer to or further from said seat; two limiting collars on said valve stem, one on each side of said screw sleeve and closely adjacent thereto, whereby free but limited axial movement of the valve stem is permitted relative to the adjusted position of the sleeve but all other axial motion of the stem is prevented, and whereby the normal opening of said needle valve is controlled by the adjustment of said screw sleeve in the carburetor shell; and a thermostat fixedly mounted at one end to the exhaust manifold whereby it is heated, its free end being secured to the outer end of the valve stem, said thermostat being positively stopped from motion in either direction, under the influence of the heating or cooling manifold, by the positive engagement of one or the other of said limiting collars with the adjusted screw sleeve, whereby the needle valve is slightly opened beyond its normal adjusted position when the manifold is cool and remains fixed at said extreme open position until the manifold has been heated an appreciable time, and is then closed thereby to said normal adjusted position.

1,588,728. PROCESS OF MAKING ARTIFICIAL STONE. ADOLPH HERSCOVITCH, Montreal, Quebec, Canada. Filed Sept. 14, 1925. Serial No. 56,400. 1 Claim. (Cl. 18—47.5.)

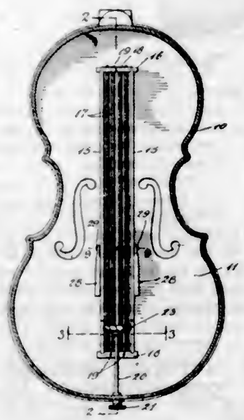
The herein described process of making artificial stone, comprising making a solution of magnesium chloride and water and mixing with a powdered mixture of magnesium oxide and mineral dust and laying said combination of parts on a cellophin surface thereby crinkling the smooth surface of said cellophin to form a corresponding surface on the finished piece.

1,588,729. MATCH CONTAINER. BENJAMIN R. HESS, Buffalo, N. Y. Filed Oct. 21, 1922. Serial No. 595,959. 4 Claims. (Cl. 206—36.)



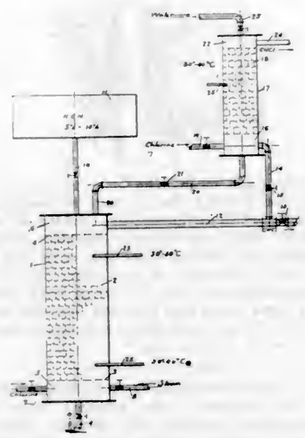
3. A match container comprising a body portion, a box slidable in said body portion and having a part at one end provided with a slot enlarged at one of its ends, a windshield pivotally connected to said body portion and having a tongue whose free end is passed through said slot and retained therein.

1,588,730. RESONATOR DEVICE FOR VIOLINS. ISIDOR HESSEL, Brooklyn, N. Y. Filed Apr. 3, 1925. Serial No. 20,348. 6 Claims. (Cl. 84—294.)



1. In a musical instrument, a body, a resonator device supported within said body and responsive to vibrations produced by the tensioned strings of said instrument, and a damper carried by said body and engageable with said device to regulate the resonance thereof.

1,588,731. METHOD OF PREPARING CYANOGEN CHLORIDE. RALPH V. HEUSER, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Nov. 25, 1924. Serial No. 752,162. 20 Claims. (Cl. 23—14.)



1. The method of preparing cyanogen chloride which comprises continuously passing an aqueous cyanide solution downwardly countercurrent to chlorine and collecting the cyanogen chloride formed.

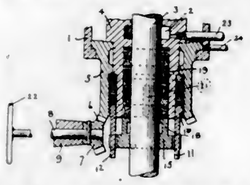
1,588,732. DOCTOR PLATE. FRANK H. HOBERG, Green Bay, Wis. Filed May 23, 1923. Serial No. 640,811. 2 Claims. (Cl. 92—69.)

1. A doctor plate for crêping paper and provided on one face with alternating ribs and grooves extending longitudinally across the plate, the working margin of said plate being beveled transversely across said ribs and grooves and the ribs being tapered towards said working margin to form a saw-toothed serrated edge transversely of said plate.

1,588,733. PAPER PACKAGE. FRANK H. HOBERG, Green Bay, Wis. Filed Oct. 12, 1923. Serial No. 668,097. 3 Claims. (Cl. 206—57.)

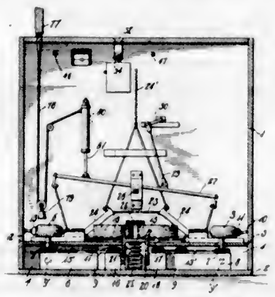
1. The combination with a shipping container comprising a paper package having a slit bottom provided with adjustable wings adjacent said slit, of interfolded paper sheets in said container, one of which is partially projected through said slit, and a sealing strip upon the exterior of said bottom, said strip enclosing the extended portion of said sheet and holding said wings normally in a plane of said bottom, whereby said container may be used as a shipping package and a dispensing package.

1,588,734. PACKING-GLAND MECHANISM. ALADAR HOLLANDER, Berkeley, Calif., assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif., a Corporation of California. Filed Sept. 21, 1925. Serial No. 57,535. 4 Claims. (Cl. 286—34.)



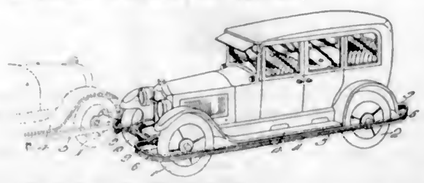
1. Packing gland mechanism comprising a casing having a bore for packing and a gland telescoping in said bore and adapted to compress said packing in said bore, an adjustable ring longitudinally movable with respect to said casing and having connection with said gland to force the said movement of the gland and instrumentalities to actuate said ring by remote hand control, and including a hand wheel and gear and rotatable sleeve concentric with said bore said sleeve having internal threads engaging threads on said ring.

1,588,735. SHOE-POLISHING MACHINE. HENRY G. HOOPS, Fort Morgan, Colo., assignor to The Morgan Manufacturing Company, Fort Morgan, Colo., a Corporation of Colorado. Filed May 1, 1923, Serial No. 635,968. Renewed Dec. 18, 1925. 13 Claims. (Cl. 15—30.)



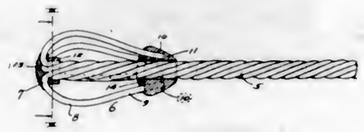
1. In a shoe polishing machine, the combination with a casing, of polish applying daubers thereon, means for feeding polish to said daubers, polishing brushes, and means for rotating said brushes while in contact with the shoe, a reciprocating polishing cloth adjacent said brushes, means for drawing said cloth down upon the surface of the shoe being polished after passage of the shoe between said polishing brushes, and operating means for reciprocating said cloth.

1,588,736. AUTOMOBILE BUMPER. FRANK HORNQUIST, Mount Jewett, Pa. Filed June 8, 1925. Serial No. 35,658. 8 Claims. (Cl. 293—57.)



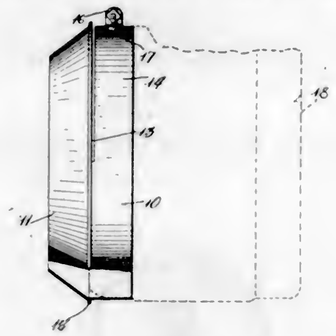
1. An automobile protector comprising a bumper adapted to extend continuously along one side of the machine from a point at the outer side of the front wheel to a point at the outer side of the rear wheel, said bumper having its ends directed inwardly for passage in advance of the front wheel and behind the rear wheel, said ends having their terminals directed in substantially parallel relation with the main portion of the bumper, and in contact with the adjacent portion of a chassis and means for effecting separable connection between the terminals and a chassis.

1,588,737. PIPE CLEANER. GEORGE HURD, San Francisco, Calif. Filed Dec. 9, 1924. Serial No. 754,823. 3 Claims. (Cl. 137—70.)



1. A tool of the class described formed of a single length of wire cable, the stands at one end portion of which are bent outwardly and rearwardly on outwardly and inwardly curved lines so as to dispose themselves as a substantially pear-shaped cage around the body of the cable, a disk surrounding the cable and provided with a series of sockets in which the free ends of the strands are disposed.

1,588,738. HEADLIGHT DIMMER ATTACHMENT. ENGELBERT L. JAWOREK, Hoquiam, Wash. Filed Jan. 12, 1926. Serial No. 80,774. 1 Claim. (Cl. 240—48.4.)

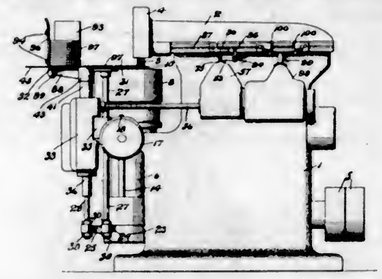


A headlight dimmer consisting of a sheet metal hood having a rib intermediate its ends, the forward portion of said hood being of complete frusto-conical formation and the rear portion of said hood being of cylindrical formation, the forward portion of said hood being separated for substantially one-half its diameter from the rearward portion of said hood by a slit, the separated rear portion of the hood being divided into two parts, upstanding lugs on the adjacent ends of said parts, and a bolt connecting said lugs for moving said ends toward each other and thereby clamp the rearward portion on a housing.

1,588,739. AUTOMATIC PISTON-RING-GRINDING MACHINE. CHARLES E. JOHNSON, Muskegon, Mich. Filed Jan. 9, 1922. Serial No. 528,078. 3 Claims. (Cl. 51—108.)

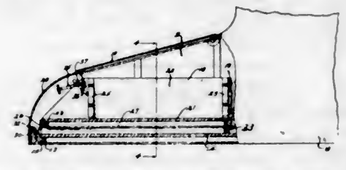
1. In combination, a support, a chuck carried thereby and mounted to turn about a vertical axis, a vertical rotatably mounted shaft, a thin circular plate attached at the upper end of the shaft having a plurality of equally spaced openings adapted to receive rings cut therethrough, said openings being brought in succession over the chuck on rotation of the shaft, a second vertical

rotatably mounted shaft, a worm gear attached to the upper end thereof, a worm in engagement with said worm gear, a shaft to which said worm is secured, means for



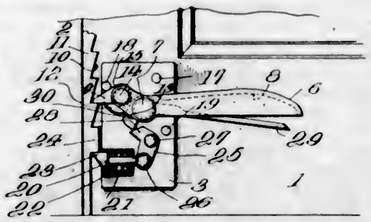
periodically rotating said last named shaft a single complete revolution, and means for driving the first vertical shaft from the second vertical shaft.

1,588,740. ADJUSTABLE BODY FOR AUTOMOBILES. HARRY A. JOHNSON, Milwaukee, Wis., assignor to Charles Abresch Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 29, 1924. Serial No. 702,859. 1 Claim. (Cl. 296—26.)



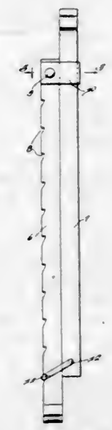
The combination with a motor vehicle having a luggage compartment in the rear thereof, and longitudinal rail members within said compartment, of a box member normally held within said compartment and slidably movable on said rails to a position projecting from the compartment for use, said box member having complementary rail members formed with extending portions to engage the compartment rail and to prevent vertical displacement of the box member, a door hinged to the rear of the box member and normally closing the rear of the luggage compartment, a key actuated pawl extending from the floor of the compartment and releasably engaging the door to hold the box member in position within the compartment, and a catch extending from the box member and engaging the door to releasably hold the same in closed position.

1,588,741. WINDOW-LIFTING DEVICE. JOHN PAUL JONES, Charleston, W. Va. Filed Apr. 26, 1924. Serial No. 709,177. 7 Claims. (Cl. 268—126.)



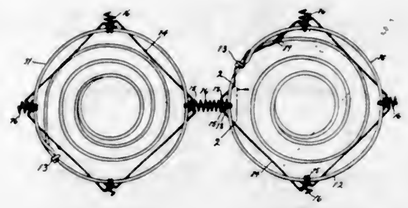
1. A window lifting device comprising a bracket adapted to be attached to the window sash, a lever pivoted intermediate its ends on said bracket, a fulcrum pawl pivotally carried by said lever at its outer end and adapted to engage a rack bar on the window frame, and means for limiting the movements of said pawl, whereby said lever with the pawl resting on the rack bar may be utilized to pry up the window sash.

1,588,742. ADJUSTABLE CLAMP. MAX KAHLE, Chicago, Ill. Filed Oct. 20, 1925. Serial No. 63,659. 4 Claims. (Cl. 22—156.)



1. A clamping element, including in combination, a pair of posts relatively movable with respect to each other, a hook integral with each of said posts, notches in one of said posts along the entire outer face thereof, and a clamping means pivotally mounted in the other post for cooperation with said notches.

1,588,743. CUSHION SPRING. FRANCIS KARR, Holland, Mich. Filed June 7, 1922, Serial No. 566,551. Renewed Mar. 4, 1926. 6 Claims. (Cl. 5—269.)

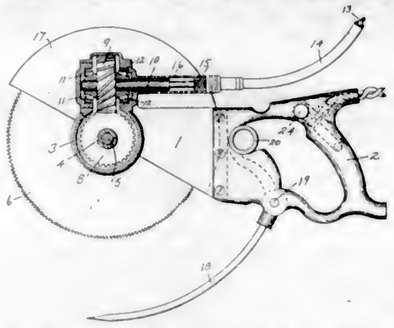


1. A connecting device for coil spring units comprising a crimped locking wire adapted to be secured to the terminal coil of each unit and crimped portions formed at intervals thereon for engaging said terminal coil, and spiral springs secured to said locking wire at said crimped portions.

1,588,744. HAND POWER SAW. JAMES K. KEANE, Los Angeles, Calif. Filed Sept. 26, 1924. Serial No. 739,973. 5 Claims. (Cl. 17—23.)

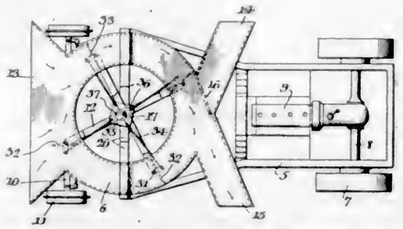
1. A hand power saw, including a body with handle for manual support and manipulation, a circular saw revolubly

mounted in said body, driving means for driving said saw, said driving means being operable by a driving shaft.



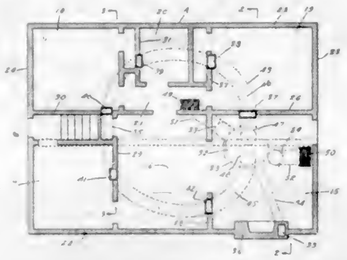
and a feed element movably connected to said device and operable by hand for moving the work toward the saw.

1,588,745. SNOWPLOW. ALLEN T. KEAR and ALVIN A. FELWIDER, Goodland, Kans. Filed Oct. 2, 1925. Serial No. 60,109. 4 Claims. (Cl. 37—41.)



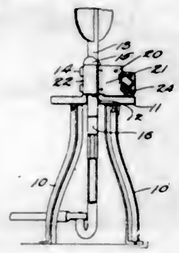
1. In a device of the character described, a housing having a forward flared portion and having laterally extended delivery spouts formed at the rear end thereof, a blower mounted within the housing, blades pivotally mounted on the blower, means for adjusting the blades with respect to the axis of rotation of the blower, and means for rotating the blower.

1,588,746. HEATING SYSTEM. ERNEST KLUEGEL, St. Paul, Minn. Filed Nov. 28, 1923. Serial No. 677,393. 3 Claims. (Cl. 237—53.)



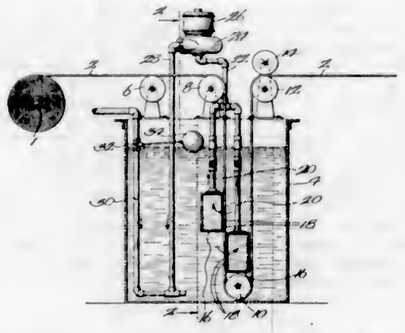
1. In combination with the rooms of a dwelling, a number of registers positioned therein arranged in a circuitous path, a looped trunk having separated ends connecting and feeding all of said registers and a heating plant for simultaneously feeding said looped trunk with heated air at both separated ends thereof, whereby a uniform and balanced distribution of heated air is secured to all of said rooms.

1,588,747. SWITCH-STAND LOCK. SIDNEY S. KNIFONG, ROBERT L. MATTHEWS, OTTO HEITSCHMIDT, ABE J. WOOD, and MIKE LOFTUS, Yakima, Wash. Filed July 11, 1922. Serial No. 574,338. 2 Claims. (Cl. 70—128.)



1. In a switch stand lock, the combination with a stationary notched table, a rotatable target post, and an elongated casing secured to the post and having its outer end entirely open, of a lever pivotally mounted in the casing and having an apertured ear on its pivotal end extending outwardly beyond the casing, through its open end, at substantially right angles to the target post, a metal plate secured to one side of the casing and having its outer end directed at substantially right angles away therefrom, and means carried by the laterally directed end of the plate and covering the open end of the casing for engaging the apertured ear of the lever and locking the lever in position.

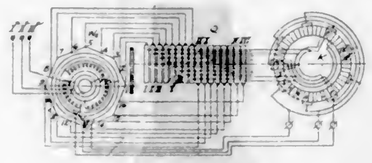
1,588,748. APPARATUS FOR AND METHOD OF IMPREGNATING FELT. HENRY C. KOCH, Chicago, Ill. Filed Feb. 7, 1925. Serial No. 7,502. 4 Claims. (Cl. 91—18.)



1. Apparatus for impregnating felt and the like having a tank for the liquid, means for passing a strip of the fabric down into the tank and up out of it, a vacuum element located within the tank, and having a foraminated surface across which the fabric travels, and means for creating suction on the inside of the vacuum element, the vacuum element being stationary and the strip passing across it whereby the strip is subjected both to a rubbing and a sucking action while submerged.

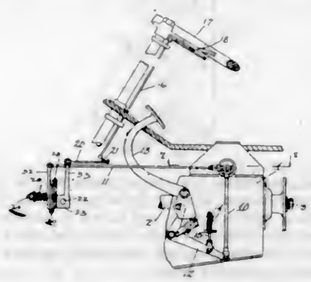
1,588,749. ALTERNATING-CURRENT COMMUTATOR MACHINE. MICHAEL KOSTENKO and NICOLAS JAPOLSKY, London, England. Filed June 30, 1923. Serial No. 648,787. 2 Claims. (Cl. 172—276.)

1. A high speed alternating current commutator machine comprising a stator, a continuous winding thereon, a rotating commutator comprising insulated segments, insulated slip rings mechanically secured to said commutator and each electrically connected to a plurality of its segments spaced at equal distances round its circumference, stationary brushes electrically connected to points spaced around the stator winding and bearing upon the slip rings, a second set of stationary brushes bearing on the segments of the commutator, a rotor, a polyphase winding thereon, a set of stationary conductors each corresponding to a phase of said polyphase winding, two sets of slip rings on said rotor, the opposite ends of each phase of the polyphase winding being connected to slip rings of different sets, a third set of stationary brushes, one of such sets of slip rings on the



rotor being electrically connected through said third set of stationary brushes with the above-mentioned second set of stationary brushes bearing on the commutator, a fourth set of stationary brushes electrically connected to said set of stationary conductors, and bearing upon the other set of slip rings on the rotor, terminals adapted to be connected to mains for polyphase alternating current, and means for transmitting electricity between said set of stationary conductors and said terminals, and means for causing said commutator to rotate at a sub-multiple of the speed of the rotor in such a way as to maintain synchronism between the stator and rotor magnetic fields.

1,588,750. TRANSMISSION-CONTROL MECHANISM. CYRUS B. KURTZ, Cleveland, Ohio. Filed July 31, 1919. Serial No. 314,544. 2 Claims. (Cl. 74—58.)

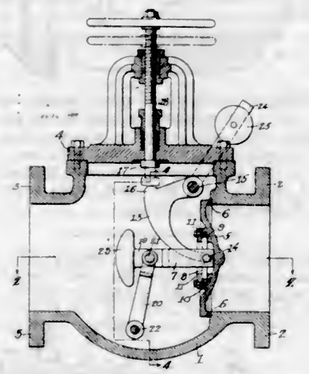


1. The combination with a selective sliding gear transmission having a plurality of shiftable sliding gears, a single oscillatory selecting and operating member therefor, and a clutch operating member connected to said member to effect a selected gear connection upon movement thereof, said gear selecting and operating member being freely movable for selection, but operable to effect a gear connection only upon engagement movement of said clutch operating member and being locked against selecting movement during the engagement of said clutch; of means operable independently of the gear selecting and operating member during such locked condition of said member and adapted to automatically effect a desired selecting movement of said member upon disengagement of said clutch operating member, said means comprising an oscillatory member, a pivoted arm connected thereto, and spring means connecting said arm to said selecting and operating member.

1,588,751. PRICE TAG. MILES S. LANDON, Angola, N. Y. Filed June 3, 1925. Serial No. 34,710. 2 Claims. (Cl. 40—23.)

2. A tag or the like, comprising a thin elongated body portion folded between its ends and having a transversely elongated opening at its folded portion, a combined clip and retainer member formed of a length of wire bent upon itself midway between its ends to provide a clip tongue and being rebent and fashioned at corresponding points distant from said midway bend to form terminal retainer elements, said clip tongue being thrust through the transversely elongated opening of said body portion and lying in contact with the outer side of said body portion and said retainer elements lying in contact with the inner side of said body portion, the ends of said combined clip and retainer member lying against the fold of said body portion to prevent lateral movement of said clip tongue.

1,588,752. VALVE. FRANK LANG, Philadelphia, Pa. Filed Oct. 31, 1925. Serial No. 65,956. 9 Claims. (Cl. 251—17.)

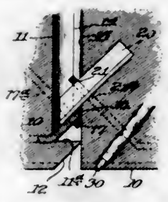


2. A check valve including a valve disk; a stem connected at one end with the rear of the valve disk and weighted at its opposite end to counterbalance the valve; a link pivotally connected with the stem adjacent the valve disk, and a link pivotally connected with the stem intermediate its ends.

1,588,753. PHARMACEUTICAL PRODUCT. HANS LANGER, Berlin-Charlottenburg, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed June 17, 1924, Serial No. 720,699, and in Germany Oct. 20, 1923. 4 Claims. (Cl. 167—7.)

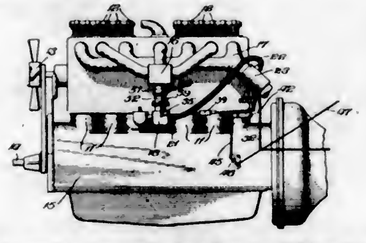
1. Pharmaceutical product consisting of a mixture containing hexamethylenetetramine and a hydrohalogenide of an amino fatty acid compound.

1,588,754. SHEET PILE. LYMAN B. LANGWORTHY, Chicago, Ill. Filed Sept. 20, 1923. Serial No. 663,833. 5 Claims. (Cl. 61—58.)



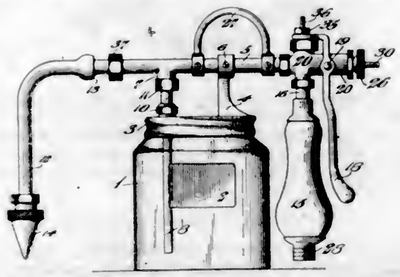
1. A sheet pile having a longitudinal groove at one edge, a tapered pocket at the lower end of the groove, and an interlocking member at the lower end of the opposite edge, said interlocking member adapted to travel in the groove of an adjacent set pile as the pile is driven downwardly and adapted to seat in the tapered pocket of said adjacent set pile as it reaches the end of the groove to draw the ends of the pile together.

1,588,755. INTERNAL-COMBUSTION ENGINE. ROBERT LAUGHLIN, Buffalo, N. Y., assignor to Commercial Electrolytic Corporation, New York, N. Y., a Corporation of New York. Filed June 16, 1919. Serial No. 304,385. 13 Claims. (Cl. 123—25.)



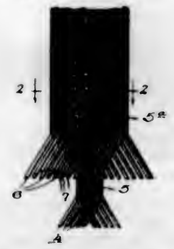
1. An internal combustion engine, comprising in combination, means for carbureting fuel, means for conducting the fuel after carburetion to a combustion chamber heating elements directly in contact with the carbureted fuel, and means supplying heat to said heating elements in amount variable with the speed of the engine and increasing as said speed increases.

1,588,756. AIR BRUSH OR SPRAYING DEVICE. CHARLES C. LEIGH, Philadelphia, Pa. Filed July 15, 1925. Serial No. 43,663. 3 Claims. (Cl. 91—45.)



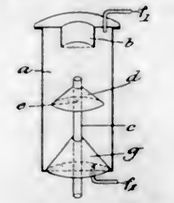
1. In a spraying device a receptacle, a cover therefor, a substantially horizontally extending tube mounted on said cover, a pendant tube extending therefrom to the interior of said receptacle, a universal joint in said horizontal tube, an outlet connection carried by said universal joint, a spraying nozzle in said outlet connection, a valvular member for controlling the outlet in said spraying nozzle, a horizontally disposed valve stem positioned in said horizontal tube, and having a flexible connection to said valvular member in said spraying nozzle, a compressed air inlet, a valvular member controlling the compressed air inlet and passing through a slot in said valve stem, means for actuating and controlling the compressed air valve and means for adjusting the movement of said air valve.

1,588,757. FRICTION METAL. JOHN G. LEONARD, Maywood, Ill. Filed Jan. 15, 1926. Serial No. 81,603. 2 Claims. (Cl. 96—25.)



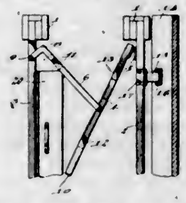
1. A friction material comprising a core of a relatively soft metal surrounded by an exterior casing of a plurality of different metals, the metals of said core and exterior casing consisting of ribbons of foil braided together.

1,588,758. APPARATUS FOR USE IN THE WORKING UP OF SPINNING SOLUTIONS. OTTO LEUCHS and EMIL HUBERT, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 9, 1925, Serial No. 29,243, and in Germany June 21, 1924. 3 Claims. (Cl. 18—8.)



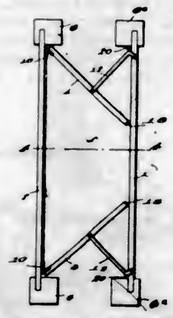
1. In an apparatus for the manufacture of artificial silk, the combination with a spinning cylinder, a spinning nozzle, a spinning tube and inlets at the top and at the bottom for spinning bath liquids, of an umbrella-shaped hood on the spinning tube near the end thereof opposed to the spinning nozzle.

1,588,759. FOLDING TABLE. FRANKLIN C. LEWIS, New York, N. Y. Filed Dec. 20, 1923. Serial No. 681,833. 10 Claims. (Cl. 45—11.)



2. In a folding table, a frame comprising front and rear bars, legs rigidly connected to the opposite ends of the front and rear bars, end bars hingedly connected adjacent the ends of the front bar, a rod having a right angular extension pivotally connected at the end of the extension to the rear bar, the other end of the rod being pivotally connected intermediate the ends of an end bar.

1,588,760. FOLDING TABLE. FRANKLIN CROCKER LEWIS, New York, N. Y. Filed May 14, 1925. Serial No. 30,299. 6 Claims. (Cl. 45—11.)

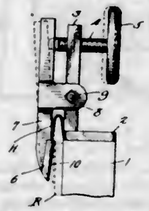


1. In a foldable table, a frame support comprising front and rear bars, the rear bar being inclined at an angle to the vertical, a pair of legs secured to each of the rear and front bars, an end bar having one end bevelled, a hinge having a leaf connected to the bevelled end of an end bar, the other leaf being secured to the inclined rear bar, and a strap connecting an end bar to the front bar whereby the end bars are swingable towards the rear bar when the frame is folded and the front bar is supported by the swingable end bars.

1,588,761. METHOD OF MAKING A BRAZING STICK. ALBERT JOSEPH LIGOT, Vernoil le Fourrier, France, assignor to Société des Plaques et Poudres à Souder, Paris, France. Filed July 5, 1923, Serial No. 649,656, and in France July 13, 1922. 2 Claims. (Cl. 113—110.)

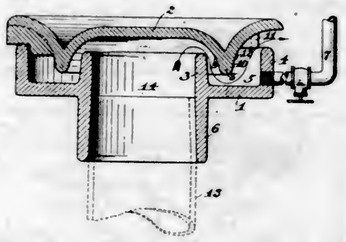
1. Process of manufacture of sticks or rods containing granular and powdered substances for brazing and soldering metals, consisting in conferring upon a thin metal band the shape of a trough, in filling this trough with the said substances, in completely closing the trough around the said substances and in connecting the edges of this trough by means of clamps by compression.

1,588,762. RUG-RACK HOLDER. JOHN L. LIVZEY, Middletown, Ohio. Filed Aug. 13, 1925. Serial No. 50,130. 1 Claim. (Cl. 24—243.)



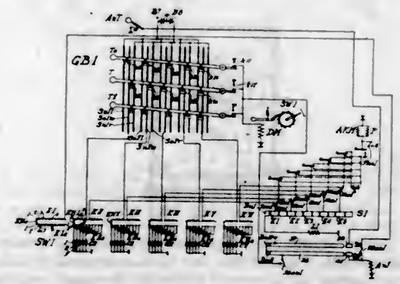
In a device of the character described, a base plate, a standard carried by the base plate and rising therefrom, said standard having a threaded opening arranged adjacent to its upper end, a lever, spaced arms formed on the lever and having openings, said standard having an opening adapted to register with the openings of the arms to accommodate a pivot bolt, an elongated clamping jaw carried at the lower end of the lever, a spring member disposed between the standard and lever to normally urge the lever to its inactive position, a threaded member operating through the threaded opening of the standard and adapted to engage the lever to move the lever and jaw to its active position, said base plate having openings to permit the base plate to be secured to a rack arm, and said jaw adapted to cooperate with the rack arm to clamp an article therebetween.

1,588,763. LIQUID-FUEL BURNER. JAMES W. LOGAN, Newark, N. J., assignor, by direct and mesne assignments, to Christopher W. Youngman, New York, N. Y. Filed May 9, 1925. Serial No. 29,096. 1 Claim. (Cl. 158—91.)



In a liquid fuel burner, a hollow base member provided with inner and outer uprising annular flanges forming between them a liquid fuel basin, a liquid fuel supply therefor, and a cover member supported by and spaced from the base member, said cover member being provided with a depending annular flange projecting into said basin below the tops of the inner and outer uprising annular flanges of the hollow base member, the inner and outer walls of said depending annular flange being curved respectively, upwardly and inwardly and upwardly and outwardly to direct the air outwardly and downwardly between the inner uprising flange of the base member and the inner curved wall of the depending annular flange of the curved member and thence upwardly and outwardly between the outer curved wall of said depending annular flange and the outer uprising flange of the base member.

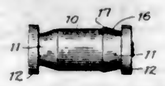
1,588,764. TELEPHONE SYSTEM. FRITZ LUBBERGER, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed Mar. 17, 1922, Serial No. 544,616, and in Germany Mar. 18, 1921. 16 Claims. (Cl. 178—2.)



1. In a code sender, a plurality of condensers, means for charging said condensers, means for successively discharging said condensers over a line circuit after they

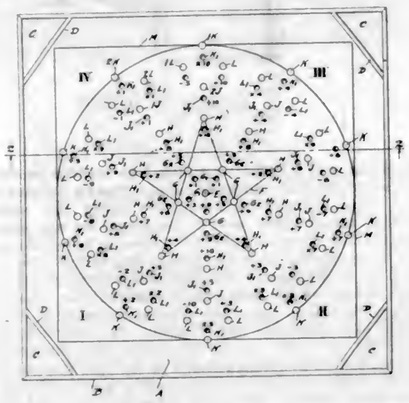
are all charged to transmit a series of code impulses and a wiper forming part of said charging means and forming also a part of said discharging means.

1,588,765. PLUG FOR CLEANING CONDENSER TUBES. MARTIN MANNION, Perth Amboy, N. J., and ROBERT C. ARTHUR, Tottenville, N. Y. Filed Feb. 14, 1923. Serial No. 619,061. 2 Claims. (Cl. 15—104.06.)



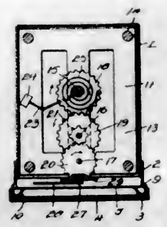
1. An apparatus for cleaning tubes comprising a body portion tapered toward its ends, flanges arranged at the ends of said body portion, and a snugly fitting ferrule carried by one of the tapered ends of the body portion and having a portion projecting beyond the periphery of the body portion.

1,588,766. GAME. HERBERT N. MASSEY, Berkeley, Calif. Filed Sept. 21, 1925. Serial No. 57,735. 12 Claims. (Cl. 273—123.)



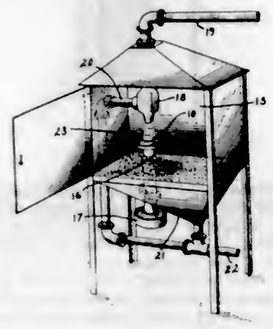
1. In a marble game, a flat board having depressions in its upper surface, and pins adjacent the depressions, said depressions being labeled with numbers and with symbols of the fundamental processes of arithmetic.

1,588,767. AUTOMOBILE BRAKE-TESTING DEVICE. EDWARD F. MCGRATH, Worcester, Mass. Filed July 27, 1925. Serial No. 46,310. 1 Claim. (Cl. 264—1.)



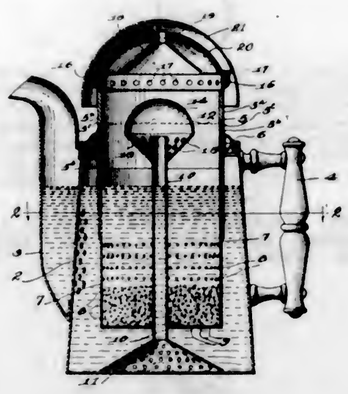
A device of the class described comprising a casing, a frame including spaced top and bottom sections arranged in the casing, a series of vertically arranged rotatable shafts journaled at their respective ends in the top and bottom sections of the frame, intermeshing gears associated with the shafts, a depending extension formed on the forward end of the top section of the frame, a horizontal stub shaft carried by said extension, a gear carried by the stub shaft and meshing with the gear on the forwardmost vertical shaft, a pointer carried by the stub shaft, a weight associated with the rearwardmost vertical shaft, and a coil spring secured at one end to said last mentioned shaft and at its other end to the frame for returning the shaft and the pointer to their normal positions.

1,588,768. PROCESS FOR PRODUCING OPHTHALMIC LENSES. HAROLD R. MOULTON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 11, 1925. Serial No. 14,724. 8 Claims. (Cl. 49—79.)



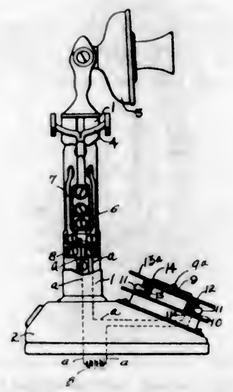
1. A process for producing an ophthalmic lens which consists in molding a lens blank to desired surface shape, and finishing the surface by spraying an abrasive fluid thereagainst.

1,588,769. COFFEEPOT. CHARLES B. PARKER, Nashville, Tenn. Filed Nov. 10, 1925. Serial No. 68,244. 5 Claims. (Cl. 53—3.)



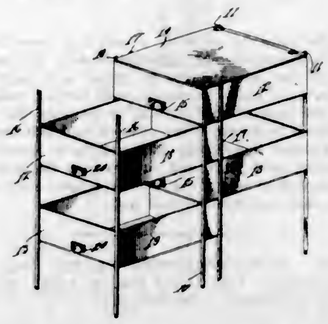
1. A percolator comprising a cylinder provided at its upper portion with openings, a trough surrounding the openings, an inverted funnel mounted upon the cylinder above the openings, and a convexed wall connecting the nipple of the funnel with the cylinder at a point within the trough.

1,588,770. ILLUMINATING DEVICE FOR TELEPHONES. FRANK L. PEYTON, Dallas, Tex. Filed Apr. 27, 1923. Serial No. 635,063. 1 Claim. (Cl. 179—81.)



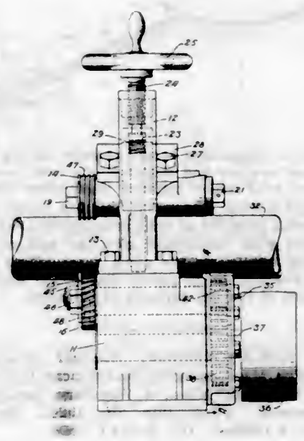
In combination with a telephone of the automatic type having a dial plate and an apertured dial therebeneath, an insulating ring and a pair of ring brushes on opposite sides of the insulating ring arranged in nested relation and disposed between the dial and plate, horizontally disposed bulbs extending through the outer ring brush and connected to the insulating ring, a circuit closer, means to close the circuit closer upon lifting the receiver, and a circuit including the ring brushes and circuit closer.

1,588,771. CABINET. HOWARD B. RICHARDSON, Clemson College, S. C. Filed July 11, 1925. Serial No. 42,915. 2 Claims. (Cl. 211—7.)



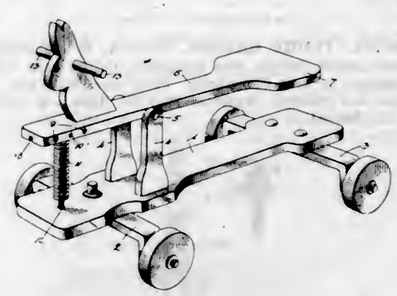
1. A cabinet comprising a set of quadrangularly spaced uprights, receptacles secured to and lying between the uprights in vertical spaced relation, a second set of quadrangularly spaced uprights one pair of which are arranged for movement in vertical planes at the sides of said receptacle and between the first uprights, and receptacles secured to and lying between the second uprights in vertical spaced and alternate relation with respect to the first receptacles for movement into and out of superimposed relation to the first receptacles.

1,588,772. TUBE-CLEANING APPARATUS. CLAUDE ROBABECK, Chicago Heights, Ill., assignor to Inland Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1921. Serial No. 509,314. 14 Claims. (Cl. 29—81.)



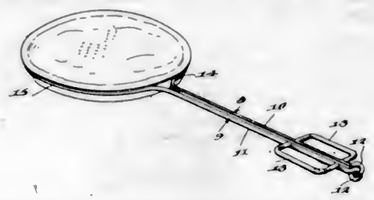
1. Tube cleaning apparatus, comprising, in combination, two driving rollers and one driven roller relatively mounted to receive between them and operate on a tube to be cleaned, one of said driving rollers being adapted for polishing and having less pressure thereon than is exerted on said other rollers.

1,588,773. TOY. LEO J. ROUSSEAU, Detroit, Mich. Filed Oct. 26, 1925. Serial No. 64,738. 3 Claims. (Cl. 208—165.)



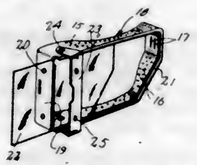
1. In a device of the class described, a base structure, a seat board elevated above such structure and vertically swingable about a point intermediate of its length, a seat at one end of said board, and a tension spring extending between the base structure and the forward end of said board, against the action of which spring said board may be rocked by a child seated thereon, said spring forming the sole means of yieldably maintaining said seat in a normally horizontal position whereby said seat board is permitted to extend rearwardly in an unobstructed manner from its fulcrum point.

1,588,774. PAN LIFTER. HARRY C. SALLAC, St. Louis, Mo. Filed June 6, 1924. Serial No. 718,294. 1 Claim. (Cl. 294—28.)



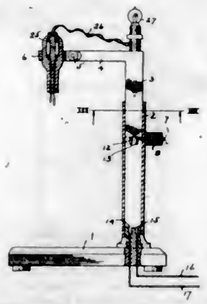
A pan lifter comprising a pair of arms having straight portions and arcuate end portions, the said arms being provided at their inner opposite edges with plane flat surfaces and having transversely convex outer surfaces, the arms being provided at their ends opposite the arcuate end portions with interlinked eyes, the said eyes being twisted with relation to the plane flat surfaces whereby they approximately lie in planes disposed at acute angle to the planes of the flat surfaces of the arms.

1,588,775. EYE PROTECTOR. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 30, 1924. Serial No. 729,086. 4 Claims. (Cl. 2—14.)



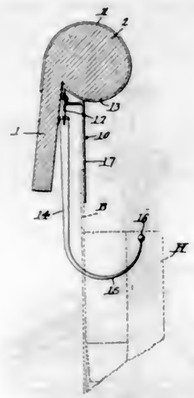
1. An eye protector of the class described, comprising a pair of lens holding frames, each of said frames being formed from a length of material, the ends of which overlap, means to hold the ends together, and a pivoted catch engageable with said means when in operative position.

1,588,776. FLUID HEATER. MILTON H. SHOENBERG and LESTER SCHON, San Francisco, Calif.; said Schon assignor to said Shoenberg. Filed Apr. 30, 1924, Serial No. 710,003. Renewed Feb. 18, 1926. 9 Claims. (Cl. 219—41.)



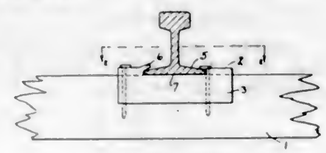
1. In a fluid heater a base and a standard thereon said standard comprising a pair of telescoping members, an arm extending from one of said members and overhanging said base, an electrical resistance heating element depending from said arm, energizing connections for said heating element through said members.

1,588,777. HATRACK. EDWARD L. SNYDER, St. Louis, Mo. Filed July 14, 1925. Serial No. 43,554. 1 Claim. (Cl. 45—13.)



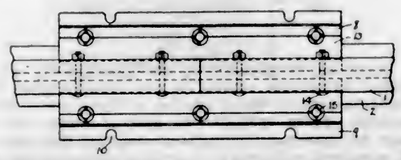
In a hat rack, a spring member adapted to be hooked over a supporting surface, an arm formed integral with the spring member and depending therefrom, a finger pivotally connected with the arm and extending outwardly and downwardly therefrom, a hook member pivotally connected with the arm and extending beyond the finger to provide a supporting hook.

1,588,778. TIE PLATE. SAM SORENSEN, Houston, Tex. Filed Aug. 12, 1925. Serial No. 49,831. 3 Claims. (Cl. 238—280.)



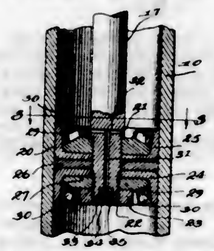
1. A tie plate for securing a rail to a cross tie, comprising an approximately rectangular plate, end flanges on said plate bent downwardly to fit on each side of said cross tie, said plate having a slot therein adapted to receive the base of said rail, a lip on one side of said slot adapted to fit above the base of said rail, said plate having recesses therein opposite said lip to receive spikes for securing said plate and rail to said tie, said spikes being adapted to wedge between said plate and said rail to force said rail beneath said lip.

1,588,779. RAIL-CONNECTING PLATE. SAM SORENSEN, Houston, Tex. Filed Dec. 4, 1925. Serial No. 73,123. 5 Claims. (Cl. 238—210.)



5. A rail joint including a base plate having an upper rail receiving channel therein, the sides of said channel diverging upwardly, angular shaped fish plates each having an upright member bearing against the rail at its upper and lower edges and spaced therefrom between said edges and a horizontal member bearing against said diverging walls at its outer edge, said fish plates and base plate having openings along their meeting edges and cap screws in said openings.

1,588,780. SHOCK AND REBOUND ABSORBER FOR AUTOMOBILES. LEOPOLD STANZEL and CHRISTIAN C. JOHNSON, Hoyt, Kans. Filed Aug. 31, 1925. Serial No. 53,672. 7 Claims. (Cl. 188—88.)



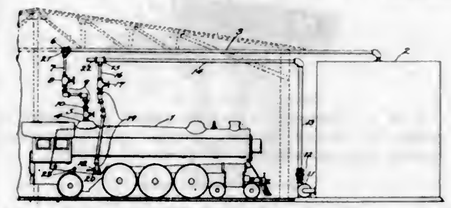
1. A shock and rebound absorber comprising a cylindrical barrel, a plunger slidably positioned in said cylindrical barrel and having an opening extending therethrough, a bar extending through the opening in said plunger and attached thereto, said bar also extending out of one end of said cylindrical barrel, means for permitting attachment of said bar and cylindrical barrel to an automobile, the lower end of said bar extending through said plunger having a longitudinal opening arranged therein for permitting air upon either side of said plunger to pass to the opposite side of said plunger.

1,588,781. TOOTHBRUSH PROTECTOR. GEORGE C. STODDARD, South Pasadena, Calif. Filed Nov. 10, 1924. Serial No. 749,101. 1 Claim. (Cl. 206—15.1.)

A tooth-brush protector comprising a cylindrical receptacle closed at its upper end and open at its lower end, a member V-shaped in cross section projecting inwardly and the inner edge portion of said member being rounded and said portion forming a chord in the bore of the receptacle, and both ends of said member being integral portions of the wall of the receptacle.

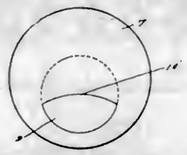
1,588,782. METHOD OF CLEANING LOCOMOTIVE BOILERS AND SUPPLYING WATER TO REFILL THE SAME. CHARLES W. STURDEVANT, San Francisco, Calif. Filed May 5, 1926. Serial No. 106,998. 1 Claim. (Cl. 122—396.)

The method of cleaning a locomotive boiler and supplying water to refill the same comprising discharging the steam from the locomotive initially at substantially working pressure of the locomotive from a point above the water level of the locomotive boiler, into a container at substantially atmospheric pressure without the addition of water to the steam prior to its delivery into said container, with consequent evaporation



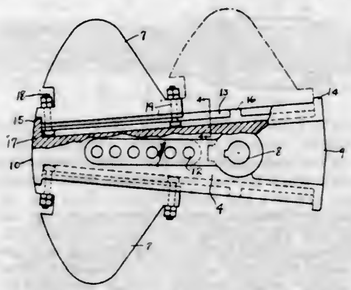
and discharge as steam of a portion of the water initially liquid in the boiler, discharging sediment and the remaining water from the boiler by gravity at substantially atmospheric pressure and utilizing the stored hot water of condensation at the temperature found in the container in refilling the boiler.

1,588,783. OPHTHALMIC LENS. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,205. 3 Claims. (Cl. 49—82.1.)



1. The process of making a blank for a reading portion of a fused multifocal lens, comprising surfacing one face of an elongated bar of glass, surfacing one face of another elongated bar of glass of different index of refraction from the first bar, fusing the two bars together on their surfaced faces and separating the fused bar into a plurality of sections on a line substantially normal to the fused faces, and of a thickness requisite to form a single blank for the reading portion of a fused multifocal lens.

1,588,784. COUNTERBALANCE FOR CRANK SHAFTS. WALTER CHARLES TROUT, Lufkin, Tex. Filed Oct. 12, 1925. Serial No. 61,977. 4 Claims. (Cl. 74—38.)

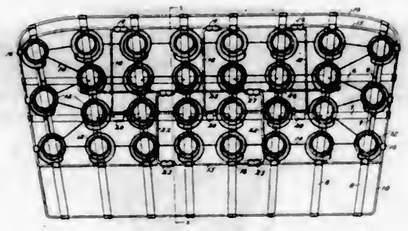


8. In a device of the character described, a crank shaft, a crank arm thereon having mortices cut on its forward and rear sides, weights slidable along said mortices and means to clamp said weights at various adjusted positions along said arm to a position on opposite sides of said shaft.

1,588,785. TOOTHBRUSH. ROBERT H. VAN SANT, Chicago, Ill. Filed June 30, 1924, Serial No. 723,100. Renewed Jan. 4, 1926. 4 Claims. (Cl. 15—110.)

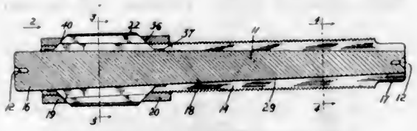
1. In a toothbrush, a handle having a plurality of groups of bristles inserted therein, and soft rubber vacuum cups surrounding the groups of bristles.

1,588,786. SPRING-SEAT CONSTRUCTION. HENRY A. WAGNER, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 24, 1922. Serial No. 570,644. 4 Claims. (Cl. 155—181.)



1. In a spring seat, the combination of a base frame, a top frame, a plurality of coil springs therebetween, a pair of oppositely inclined braces between said frames, one of which forms a direct connection between the same and the other being connected to the top frame and terminating short of the base frame, and means connecting the latter brace with the springs intermediate their ends.

1,588,787. EXPANDING MANDREL. HARRY S. WATERMAN, Los Angeles, Calif. Filed Jan. 30, 1923. Serial No. 615,912. 3 Claims. (Cl. 82—44.)

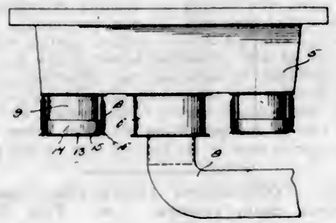


1. In an expanding mandrel, the combination of: a threaded shaft having longitudinal slots therein whose bottoms are at a less radial distance from the axis thereof than the threaded areas therebetween, the bottoms of which slots are inclined with respect to the axis of said shaft; bars having beveled ends slidable and interfitting with said slots, said bars being T-shaped in cross-section and having outer portions thereof enlarged to greater width than the portions thereof in said slots, and each so formed as to provide a plurality of laterally spaced corners having rounded areas of contact with the inner face of an article mounted upon said mandrel; and means comprising beveled and threaded sleeves engaging said shaft for moving said bars in said slots.

1,588,788. PIANO SOUNDING-BOARD BRIDGE. CHARLES S. WEBER, Hanford, Calif. Filed Sept. 18, 1922. Serial No. 589,009. 1 Claim. (Cl. 84—198.)

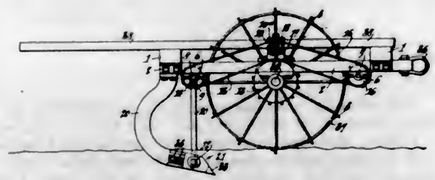
In a piano, a bridge having two crests in combination with strings having main and counter sections for each note, one of said sections being located nearer the wrist pins than the others, the main sections of the strings for any one note resting on the crest farthest from the wrist pins, and the counter sections of the strings for the same note resting on the crest nearest the wrist pins.

1,588,789. FORCED-DRAFT PAN STRUCTURE. OTTO G. WERNER, Newark, N. Y., assignor of one-half to Frank W. Gilbert, Newark, N. Y. Filed Sept. 16, 1925. Serial No. 56,727. 5 Claims. (Cl. 110—72.)



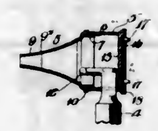
1. In combination, a forced draft grate supporting pan, an outlet formed in said pan, a closure enclosing said outlet and having means permitting limited movement of the closure without uncovering the outlet, and means normally holding said closure closed under ordinary accumulative pressure within the pan and permitting said limited movement and also adapted to allow the unseating of said closure under explosive pressure for opening the outlet.

1,588,790. ROTARY-ROD WEEDER. HENRY K. WOLFE, Cheney, Wash., assignor to Rotary Rod Weeder & Mfg. Co., Cheney, Wash. Filed Dec. 21, 1923. Serial No. 682,026. 5 Claims. (Cl. 97—42.)



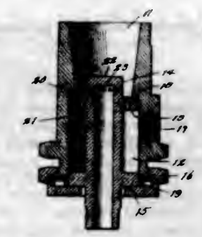
1. In rotary rod weeders, a frame, rod carrying standards depending from the frame at intervals, a rotary rod journalled in bearings on said standards, a supporting wheel and a driving wheel mounted in said frame, the distance between said wheels being less than the length of said rotary rod, a power transmitting mechanism mounted on said frame on the outer side of said driving wheel and connected therewith and including a driving connection with said rotary rod.

1,588,791. OTOSCOPE. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 568,999. 4 Claims. (Cl. 128—9.)



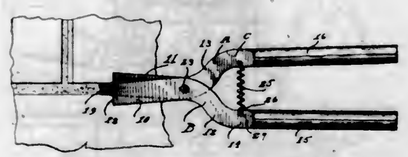
1. In an instrument of the character described, a handle, a source of light, a casing, a speculum at one end of the casing and an end cap at the other end, the end cap having a plurality of openings and an adjustable member also having a plurality of openings, the adjustable member being retained in assembly by peripheral anchorage and a lens mounted in one of the openings of the end cap.

1,588,792. GAS BURNER. HARRY H. DODGE, Troy, N. Y. Filed Aug. 29, 1925. Serial No. 53,233. 3 Claims. (Cl. 158—109.)



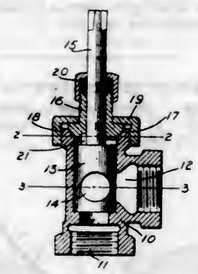
2. A gas burner comprising an open ended body having an outer expansion chamber and an inner chamber formed therein, said body being provided through the side thereof with a gas inlet communicating with said inner chamber, an air nozzle having a closed end mounted in said body and extending longitudinally through one end thereof into said expansion chamber, annular flanges formed on said nozzle for closing the opposite ends of said inner chamber, one of said flanges having discharge orifices arranged therethrough in parallel relation to said nozzle for discharge of gas from said inner chamber into said expansion chamber, said air nozzle being provided at its closed end with air discharge ports formed therethrough for discharging air at an angle across said gas discharge orifices, and within said expansion chamber.

1,588,793. ADJUSTABLE BRICK JOINTER. BENJAMIN T. GRIFFITH, Oelwein, Iowa. Filed Jan. 30, 1922. Serial No. 532,795. 7 Claims. (Cl. 72—138.)



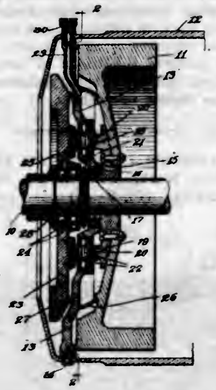
1. A jointing tool comprising a shank, a handle disposed on one end of the shank, a rearwardly extending curved blade formed on the opposite end of the shank, and means formed on the shank for engaging the outer face of the brick to scrape any mortar off of the same, which might be adhering thereto.

1,588,794. VALVE. GEORGE EDWARD HAGEN, Halifax, Nova Scotia, Canada. Filed Oct. 15, 1924. Serial No. 743,827. 1 Claim. (Cl. 251—95.)



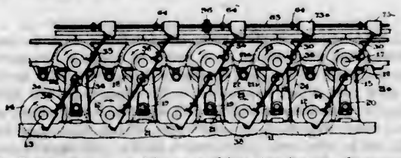
A valve comprising a main casing having an inlet opening at one end and a seat formed at the other end, a lateral outlet opening between the ends, a ported sleeve valve rotatable in axial alignment with the inlet opening, a stem for the valve, a bushing surrounding the stem and engaging said seat, a screw-threaded bonnet adapted to fit over said bushing and to engage with the casing, a groove in the base of said bushing having shoulders at opposite ends thereof and a stop member formed integral with the stem, adapted to engage with said shoulders, a packing gland for the stem, screw-threaded to engage with the bushing.

1,588,795. EQUALIZER FLYWHEEL. FRANK T. MALECKI, Chicago, Ill. Filed Dec. 8, 1924. Serial No. 754,490. 21 Claims. (Cl. 74—6.)



1. Flywheel construction for engines comprising two coaxial flywheels materially differing from each other in size, and means for rotating said flywheels in opposite directions.

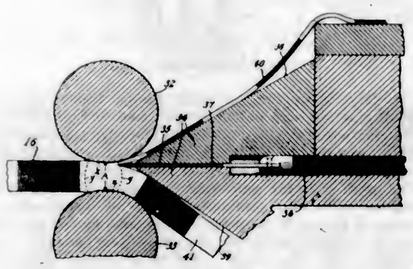
1,588,796. DRIVING MECHANISM FOR PAPER-MAKING MACHINES. BERNARD A. MALKIN, Lachine, Quebec, Canada. Filed May 23, 1925. Serial No. 32,404. 11 Claims. (Cl. 34—48.)



1. In a paper making machine having a frame and rows of drier rolls rotatably mounted in bearings thereon, a main driving shaft, a plurality of roll driving spindles,

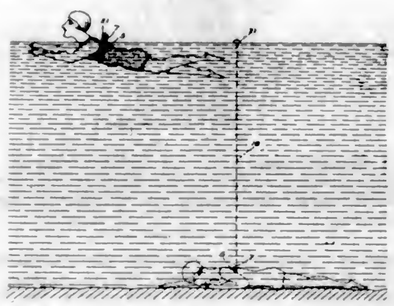
each spindle being adapted to drive a plurality of drier rolls one on each row, bevel gears to transmit motion between the roll driving spindles and the main shaft, and worm and worm gearing to transmit motion between the roll driving spindles and the rolls.

1,588,797. METHOD OF MANUFACTURING RUBBER SHEETS. TOD J. MELL, Akron, Ohio. Filed July 7, 1925. Serial No. 42,001, and in France Dec. 6, 1924. 12 Claims. (Cl. 18—61.)



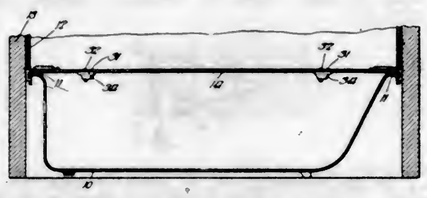
1. The method of manufacturing rubber sheeting which comprises forming a variegated stock sheet of rubber having internal lines of color division and of such extent as to be sliced into serviceable sheeting units and slicing a coextensive sheet therefrom while progressively pressing the stock sheet flatwise adjacent and in advance of the line of cut and releasing it as it is cut, in such manner as to provide uniform conditions of stress in the stock at the line of cut, the stock being subjected to vulcanization before the slicing operation.

1,588,798. BATHER'S LIFE-SAVING BUOY. WILLIAM MOORE, Seattle, Wash. Filed Dec. 8, 1925. Serial No. 73,998. 1 Claim. (Cl. 9—9.)



A bather's life saving buoy comprising a casing, means for securing said casing to a person's body, a reel revolubly mounted within the casing, a line windingly secured on said reel, a float attached to the line, a helical spring adapted to retain said line and float in the wound position when said reel is above the water, and said buoy adapted to overcome the tension of the spring and cause the line to unwind permitting the float to rest on the surface of the water when the person's body is submerged.

1,588,799. PROTECTIVE COVER. GUSTAF ALBIN NILSON, Glencoe, Ill. Filed Dec. 4, 1924. Serial No. 753,904. 21 Claims. (Cl. 4—173.)

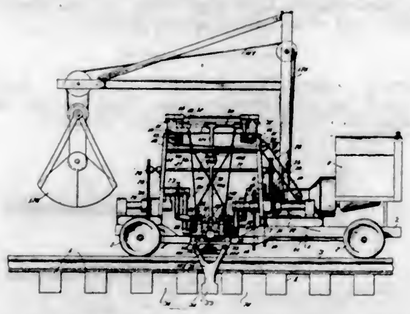


1. A cover of the character described comprising a substantially flat body portion, a plurality of clamping members adjustably mounted thereon to project from one face thereof and a plurality of holding members mounted on the other face thereof.

1,588,800. CLOTHESLINE. GEORGE L. OLIVER and JESSE H. FRANCE, La Grande, Oreg. Filed May 2, 1925. Serial No. 27,528. 1 Claim. (Cl. 68—3.)

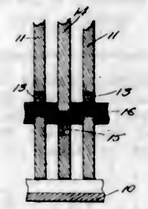
A clothes-line comprising a plurality of units, one of said units consisting of a strand of material, and another of said units consisting of a clamping member comprising a pair of parallel arms, said arms being connected at one end in the form of a saddle, said saddle being adapted to straddle the strand, the opposite ends of each of said arms being joined with a loop, the loop being angularly disposed relative to the parallel arms, each of said angularly disposed loops being formed with an eye therein at the juncture of the parallel arm and the loop, means bridging said eyes, and means for pivotally connecting the strand to said bridging means, all constructed and arranged to clamp an article between the saddle and the strand upon a pull being exerted on the strand and on the free ends of the loops.

1,588,801. BALLAST-REMOVING MACHINE. EMMONS OVERMIER, Chicago, Ill., assignor to The Maintenance Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1924. Serial No. 747,537. Renewed Jan. 11, 1926. 56 Claims. (Cl. 37—104.)



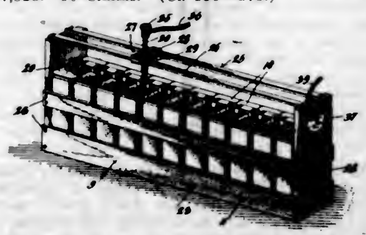
1. Apparatus for removing ballast from the road bed of a railway track comprising a car and means supported thereon for digging up the material between adjacent ties and removing the material from the space between the ties by movement of the same in a direction parallel to the ties.

1,588,802. INSULATOR FOR BATTERY PLATES. RICHARD B. OWEN, Washington, D. C. Filed Nov. 26, 1919. Serial No. 340,853. 14 Claims. (Cl. 136—81.)



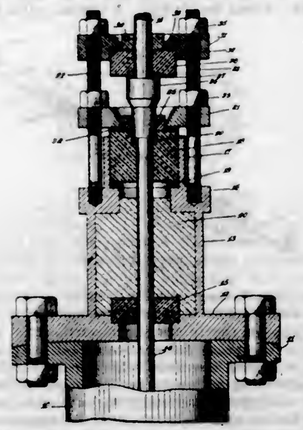
8. The combination with battery plates having openings, alternate plates having their openings disposed lower than the openings in adjacent plates and in the same vertical plane extending therethrough, of a bar having notches in opposite sides thereof and extended through said openings to admit adjacent portions of said battery plates in the notches thereof.

1,588,803. ELECTRIC BATTERY. RICHARD B. OWEN, Washington, D. C. Filed Mar. 29, 1922. Serial No. 547,823. 10 Claims. (Cl. 136—173.)



1. An electric battery including a plurality of interconnected cells, and a selector contact means movable in a predetermined path parallel to the poles of the cells and engageable with any of the poles for regulating the voltage of current passing from the battery.

1,588,804. ELECTRIC INSULATOR FOR HIGH-PRESSURE STILLS. WILLIAM C. PARRISH, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Dec. 15, 1921. Serial No. 522,466. 6 Claims. (Cl. 173—311.)

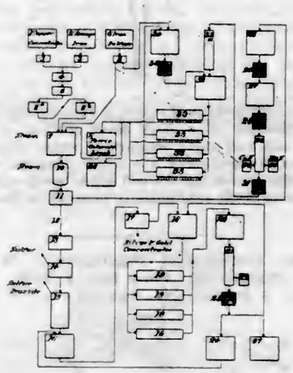


1. In an insulating structure for distilling apparatus, an electric conductor extending into the still, means for insulating the conductor from the still and for sealing the passage way of the conductor comprising a chambered member surrounding a portion of the conductor, a mass of plastic material insoluble in oil positioned within said chambered member, a pair of insulators disposed respectively at the top and the bottom of the chambered member for sealing said chamber, and means for compressing one of said insulators.

1,588,805. STORM-SASH OPENER. JOHN N. PEASLEE, St. Paul, Minn. Filed May 16, 1925. Serial No. 30,849. 3 Claims. (Cl. 292—276.)

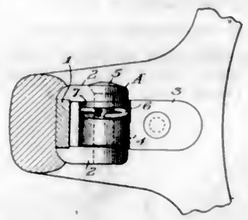
1. A storm sash holder including a rod, a plate secured to the storm sash adapted to engage said rod and having a slotted opening therein for said rod and a longitudinally extending groove partially surrounding said rod and a set screw in said plate adapted to force said rod into said groove and clamp it therein.

1,588,806. METALLURGICAL PROCESS AND ARTICLE. ROBERT D. PIKE, San Mateo, and GEORGE H. WEST, Albany, Calif., said West assignor to said Pike. Filed July 8, 1924. Serial No. 724,788. 10 Claims. (Cl. 75—18.)



1. A metallurgical process for recovery of metals from ores which consists in digesting with solutions containing an excess quantity of ferric iron, to dissolve substantially all of the metals which are soluble in ferric iron solutions, then adding sulphide of iron in sufficient quantity to first reduce all excess ferric iron to ferrous and second to reprecipitate certain metals at temperatures in excess of atmospheric boiling, and separating the precipitate in which the iron content has been reduced and the content of the said certain other metals increased as compared with the original ore.

1,588,807. HINGE FOR SPECTACLE MOUNTINGS. JOHN R. POWELL and WILLIAM BAUSCH, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 25, 1924. Serial No. 708,869. 4 Claims. (Cl. 88—53.)

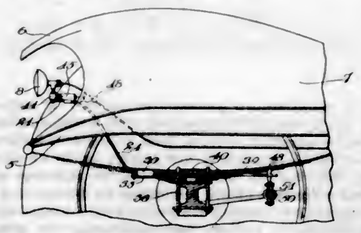


4. A hinge for spectacle mountings comprising two members and a screw pintle connecting them, one member having perforated lugs thereon, the other member having an abutment slotted near one end and forming a perforated yieldable ear, and a spring washer arranged in the slot.

1,588,808. COLLAR. MAX PUGATSKY, New York, and BARNETT H. GOLDSTEIN, Brooklyn, N. Y. Filed Nov. 13, 1925. Serial No. 68,763. 5 Claims. (Cl. 2—131.)

1. In a turn-down soft collar of the character described, the combination of a neck band portion, a turn-down portion, and hair cloth reinforcing strips carried by the latter along its periphery, the strips along the outer longitudinal edge and along the end edges being arranged with their hair threads substantially parallel to the respective edges.

1,588,809. DIRIGIBLE HEADLIGHT. WILLIAM J. ROTH, Chicago, Ill. Filed June 4, 1925. Serial No. 34,934. 8 Claims. (Cl. 240—62.)

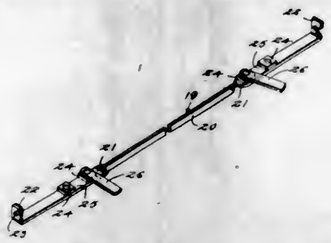


1. A dirigible headlight comprising a bracket having means whereby the same may be secured to an automobile, an arm swiveled to the bracket, a clamp swiveled to the arm, a sleeve carried by the clamp, a light having a post extending through the sleeve, means associated with the post and the sleeve to limit the turning of the post, a cross-head connected to the lower portion of the post, and flexible operating wires connected to the cross-head.

1,588,810. COUPLING. WALTER H. RUDOLPH, West Hartford, and LOUIS V. LUCIA, Hartford, Conn., assignors to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed May 3, 1923. Serial No. 636,386. 4 Claims. (Cl. 287—11.)

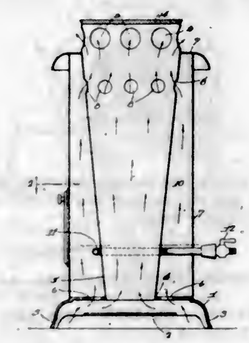
4. In a coupling for alined extension handle members, in combination with handle members, a plurality of coupling members inclosing the alined handle members, means comprising a bolt for securing said coupling members to the handle members with the bolt spaced from the handle members and positioned between the adjacent ends thereof, and means carried by one of the handle members to cooperate with the bolt for holding the coupling members thereon.

1,588,811. BRACE FOR HEDDLE FRAMES. CHARLES C. RUSSELL, Greensboro, N. C., assignor of one-third to Proximity Manufacturing Company, Greensboro, N. C., a Corporation of North Carolina, and one-third to Thomas H. Gardner, Greensboro, N. C. Filed Dec. 11, 1925. Serial No. 74,752. 2 Claims. (Cl. 139—92.)



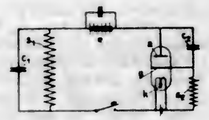
1. The combination with the upper and lower rails and the heddle rods of a heddle frame, of a brace extending between the intermediate portions of said rails, the ends of the brace being directed laterally and interlockingly engaging the outer edge faces of said rails to prevent spreading action thereof, the brace inwardly of the rails having recesses receiving said rods, and means movable across said recesses and into engagement with said rails for simultaneously confining the rods in said recesses and holding the said rails against inward movement toward each other and said rods.

1,588,812. HEATER. JACOB B. SANDAGE, Chicago, Ill. Filed July 25, 1925. Serial No. 46,062. 5 Claims. (Cl. 126—90.)



1. In a heater for receiving air at the bottom thereof, and for heating the air therein, and for then discharging the heated air from the top thereof, the combination of a body forming outer side walls for the heater, an open bottom flue extending upward therein, an imperforate top plate for the heater, with space between the outside of said flue and the inside of said body, the heater having means at the base thereof to admit air to the lower end of said flue, and also to the bottom of said space, the flue having openings in the upper portion thereof below the top of said space to receive the heated air from the upper portion of said space, and the upper portion of said heater having means disposed above the top of said space and below said top plate for commingling and for laterally discharging all of the air which enters the heater at the bottom thereof, and which passes upward both inside and outside of said flue, in combination with a heating element applied to the lower portion of said flue, in position to heat some air directly and some indirectly through the wall of the flue.

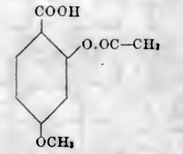
1,588,813. OSCILLATION CIRCUITS. WILHELM SCHEPPMANN, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Aug. 31, 1921, Serial No. 497,316, and in Germany Nov. 29, 1917. 3 Claims. (Cl. 250—36.)



1. In an electron tube system for the generation of electrical oscillations, the combination of an electron tube having grid, filament and plate electrodes, an oscillation circuit, an inductance connected across said plate and filament electrodes and connected with said oscillation circuit, a fixed condenser connected between said grid and plate electrodes, and an inductance element connected between said grid and filament electrodes and substantially independent of said aforementioned inductance, said last mentioned inductance having such value that damping losses in said oscillation circuit are balanced and an alternating current resistance is established between said grid and filament electrodes for securing a potential difference between said grid and filament electrodes for setting up oscillations in said oscillation circuit.

1,588,814. ANTIPYRETIC. WERNER SCHULEMANN, Volkwinkel, near Elberfeld, and FRITZ SCHÖNHÖFER, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Filed Nov. 21, 1925, Serial No. 70,674, and in Germany Apr. 4, 1924. 2 Claims. (Cl. 260—107.)

2. The hereindescribed new ortho-acetoxy-para-methoxy-benzoic acid having most probably the formula:

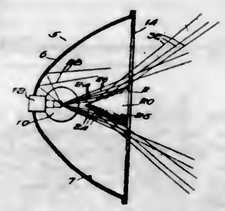


crystallizing from alcohol in the shape of needles melting at from 119–121° C., being a valuable antipyretic, an average single dose being from 0.5-1 gram and forming salts with alkali metals which retain the valuable therapeutic properties of the free acid, substantially as described.

1,588,815. GOLF TEE. WARREN S. SILLCOCKS, New York, N. Y., assignor to The Sillcocks-Miller Co., South Orange, N. J., a Corporation of New Jersey. Filed Sept. 30, 1925. Serial No. 59,608. 2 Claims. (Cl. 273—33.)

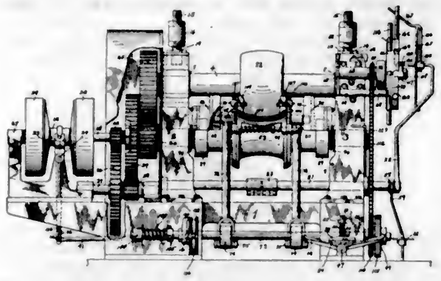
2. A golf tee, comprising a thin shell with a frustoconical ball-supporting portion, and a relatively slight, and tapering and pointed, penetrating portion, the flare of the ball-supporting portion being greater than that of the slight penetrating portion, and the smaller end of the ball-supporting portion being at the larger end of said penetrating portion, the juncture of said two ends being approximately at the middle of the shell, said shell being jointless and resilient and composed of non-metallic material, such as pyroxylin and the juncture at the said ends constituting an annular reinforcement of the shell.

1,588,816. ANTIGLARE MEANS. HARRY W. SISSON, Chicago, Ill. Filed Nov. 9, 1925. Serial No. 67,730. 2 Claims. (Cl. 240—48.4.)



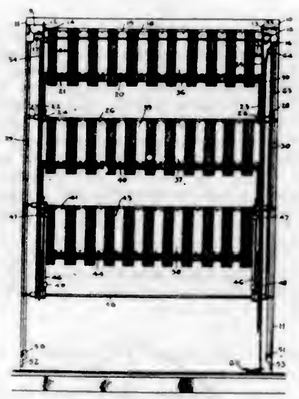
1. In a headlight having a source of light therein, the combination of a lens comprising a transparent disc having a solid transparent anti-glare member provided with a base formed integral with the lens substantially on the axis thereof, said base being directed outwardly away from the light and said member tapering to a point toward the light and disposed wholly within the headlight to screen and deflect the axial rays.

1,588,817. BENDING MACHINE. HENRY COLLIER SMITH, St. Marys, Ohio. Filed Nov. 13, 1922. Serial No. 600,534. 16 Claims. (Cl. 153—58.)



1. In a bending machine, the combination of a frame, a roll journaled therein, a second roll above the first, bearings for the upper roll and guides in the frame to permit vertical movement of said bearings, means to rotate the rolls, a shaft journaled in the frame, and means connected to said shaft and to said bearings to move the bearings up and down and comprising a pair of cranks mounted on the shaft and connecting rods extending from the cranks to said bearings and springs connected to said connecting rods and to said frame to receive a portion of the weight on said rods.

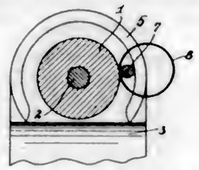
1,588,818. AWNING. THOMAS SONNE, Montreal, Quebec, Canada. Filed Sept. 28, 1925. Serial No. 59,081. 3 Claims. (Cl. 156—15.)



1. An awning comprising a plurality of shade members formed of canvas and carrying frames having eye ends, rigid vertical rods forming guides for the eye ends of said frames, and stabilizing rods permanently spacing two of said frames at the drawing together of the remaining shades.

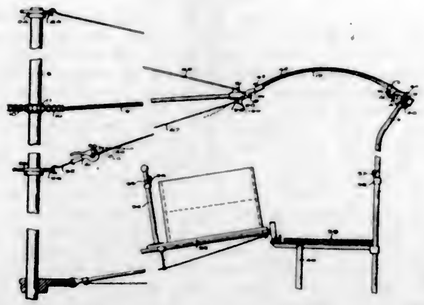
1,588,819. MACHINE FOR MAKING SEAMLESS CANS. ARTHUR WILBUR SPAULDING, Oakland, Calif. Filed Mar. 17, 1923. Serial No. 625,918. 1 Claim. (Cl. 80—13.)

An apparatus for rolling or enlarging the diameter of seamless tubes comprising a roll of large diameter, a mandrel of small diameter parallel thereto, said roll and mandrel being spaced to engage the inside and outside periphery of a tube, a pair of arcuate guides engaging the opposite ends of the mandrel and means to



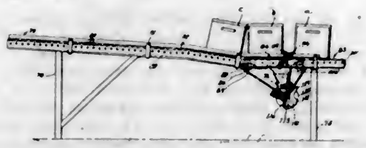
rotate the large roll and thereby draw the tube between the large roll and the mandrel and actuate the mandrel to follow the arcuate guides.

1,588,820. COVER STRUCTURE FOR AMUSEMENT DEVICES. ALBERT SPILLMAN, North Tonawanda, N. Y. Filed Mar. 20, 1925. Serial No. 17,087. 6 Claims. (Cl. 135—5.)



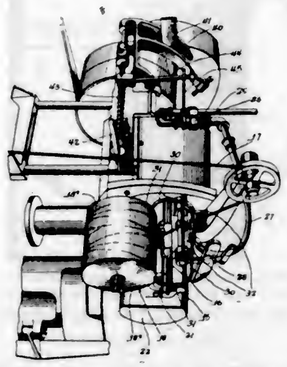
1. A covering structure for amusement devices comprising an upright member, a disc mounted upon the upright member and having a plurality of oval sockets therein, radial rods extending outwardly from the upright member, the inner ends of the rods being positioned in the sockets, a plurality of rods of various length extending downwardly from the upright member to the radial rods, the radial rods being permitted vertical movement in the sockets for adjustment in connecting them to downwardly extending rods of various lengths.

1,588,821. BOX-FEEDING APPARATUS. FRED STEBLER, Riverside, and GEORGE T. STAMM, Upland, Calif., assignors to Stebler Parker Co., Riverside, Calif., a Corporation of California. Original application filed Apr. 19, 1919, Serial No. 291,243, Patent No. 1,474,857, dated Nov. 20, 1923. Divided and this application filed Sept. 4, 1923. Serial No. 660,707. 14 Claims. (Cl. 198—26.)



1. In a box handling apparatus, a conveyer, means to space adjacent boxes from one another on the conveyer, a stop adapted to be moved into the space between the adjacent boxes, means to intermittently operate the stop to and from said space, and means to positively move one of said boxes away from the other while the stop is positioned in said space.

1,588,822. METHOD AND APPARATUS FOR WINDING TWINE. ELWOOD H. SWAN, Kansas City, Mo., assignor to The Hooven & Allison Company, Xenia, Ohio, a Corporation of Ohio. Filed Mar. 6, 1925. Serial No. 13,423. 6 Claims. (Cl. 242—26.)

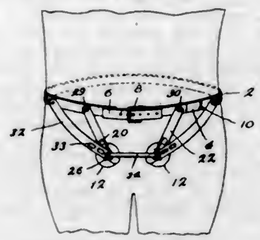


1. The method of winding fibrous stranded material in rolls which consists in applying compressed air to the end surface of the ball in the direction of the axis thereof during the winding operation.

1,588,823. BRIQUETTING PROCESS. WILLIAM TYRELL, Seattle, Wash. Filed Dec. 31, 1924. Serial No. 759,153. 2 Claims. (Cl. 44—16.)

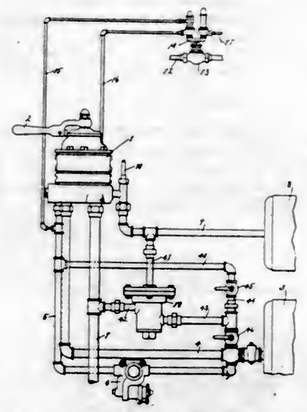
1. In a briquetting process, the mixture of one part diatomaceous earth, one part caustic soda, sufficient warm water to moisten, stirring said mixture, heating to substantially two hundred and twenty degrees Fahrenheit for approximately thirty minutes, sufficient hot water to form a moist plastic mass, mixing about two per cent of said mass with substantially one hundred parts of finely ground combustible material, and compressing the mixture into briquettes.

1,588,824. TRUSS. WILLIAM H. VAN MEER, Longton, Kans. Filed Aug. 6, 1923. Serial No. 655,868. 2 Claims. (Cl. 128—105.)



1. In a rupture appliance, a hollow segmental spherical pad having a central slot and exterior grooves spaced at opposite sides of said slot, an arm having a longitudinal slot adjacent to one end and lugs spaced at opposite sides of said slot for entering the grooves in the pad and permit the same to be adjusted to different angles to fit the abdomen, a headed screw extending through the slots in the pad and said arm, a nut engaging said screw and having an elongated head to overlap the slotted portion of the arm to hold the same and the pad in assembled position, and means coacting with said arm in holding the pad in position on the person.

1,588,825. AIR BRAKE. WILLIAM EUGENE VERGAN, Denison, Tex., assignor of one-half to William A. Mitchell, Denison, Tex. Filed Sept. 2, 1924. Serial No. 735,234. 6 Claims. (Cl. 303—60.)

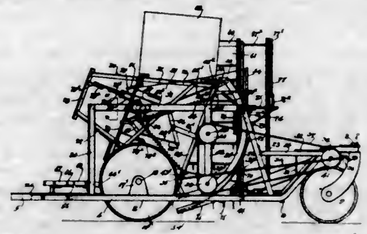


1. A braking system for railway trains comprising a main reservoir containing compressed air, an equalizing reservoir, a train brake pipe line, means for automatically supplying air to said pipe line when the pressure in the same falls below that in said equalizing reservoir, said means comprising a casing having a pair of chambers therein, a port for connecting said chambers, a cylinder in one end of said casing in communication with one of said chambers, an equalizing piston in said cylinder, a cap for said cylinder, a valve stem carried by said piston, a single valve on said stem for closing said port, a conduit for connecting the equalizing reservoir with one end of said cylinder, a conduit for connecting said brake pipe to one of said chambers and the other end of said cylinder on the opposite side of said valve, and a conduit for connecting the other chamber with the main reservoir.

1,588,826. REMEDY FOR SKIN BLEMISHES. JAMES A. WADE, Detroit, Mich. Filed May 10, 1923. Serial No. 638,095. 1 Claim. (Cl. 167—9.)

A cosmetic cream comprising a mixture of the following ingredients in about the proportions stated:—lactic acid 1 dram, boric acid 1 dram, ceresine 1 dram, paraffin oil 6 drams, hydrous wool fat 1½ ounces, castor oil 6 drams, and alum ½ ounce.

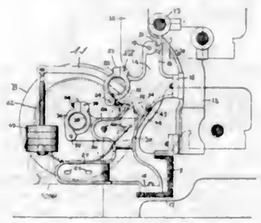
1,588,827. SHOCKING MACHINE. THOMAS WADGE and BERNARD JOSEPH DESMOND, Winnipeg, Manitoba, Canada. Filed Apr. 15, 1922. Serial No. 553,059. 11 Claims. (Cl. 56—422.)



1. In a shocking machine, the combination with a suitable supporting frame, of opposing parallel tracks permanently mounted on the frame and extending length-

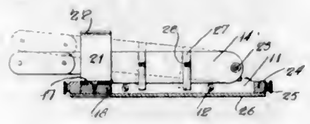
wise thereof and having their forward ends turned upwardly to provide curved track extensions, a sheaf receiving normally horizontally disposed and shock forming basket having the butt or large end thereof directed forwardly, carriers secured to the large end of the basket at the upper and lower sides thereof, said carriers operating in the tracks and track extensions, and means for moving the basket to cause it to travel in a fixed path, as determined by the tracks and track extensions.

1,588,828. WARP-BEAM STAND FOR LOOMS. WILLIAM M. WATTIE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1924. Serial No. 749,484. 9 Claims. (Cl. 139—97.)



1. In a loom, a warp beam stand, a warp beam bearing the axis of which is fixed with respect to the stand, a plurality of arms on the stand located at different distances from the axis of the said bearing, and a warp beam supporting unit capable of attachment to each of the arms to be located at different distances from the axis of the first named bearing when attached to the different arms.

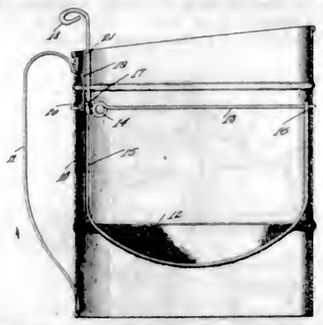
1,588,829. ENVELOPE OPENER. EVANS WOOD, Kuna, Idaho. Filed June 4, 1925. Serial No. 34,926. 2 Claims. (Cl. 164—44.)



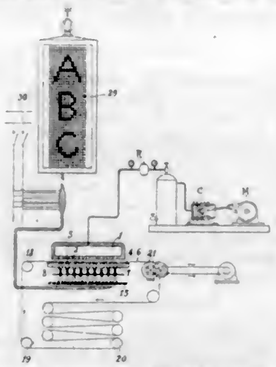
1. In a device of the kind described, a base, a knife pivoted above one edge of the base, a cooperating blade secured to said edge, and a plurality of stops pivoted to the knife on the side remote from said edge and movable to project below the cutting edge of the knife or to swing above said cutting edge.

1,588,830. FLOUR SIFTER. JOHN W. WOODFORD, Philippi, W. Va., assignor of one-fourth to William A. Morley, Atlantic City, N. J. Filed Nov. 6, 1925. Serial No. 67,335. 1 Claim. (Cl. 209—282.)

A flour sifter comprising a shell, a sifting screen in one end of the shell, a transverse shaft extending through the opposite sides of the shell and having a loop adjacent one end, within the shell, a wire yoke in the shell with its bight portion contacting with the screen, one of the arms of the yoke having a terminal eye receiving the shaft therethrough, the other arm of the yoke having an intermediate eye receiving the shaft therethrough, said other arm being extended above the shell to form a handgrip, said loop preventing movement of said eye on the shaft inwardly of the shell, and a spring having its intermediate portion coiled about the shaft between the loop and shell wall and having one end anchored in the shell wall and the other engaged with the hand-grip.



1,588,831. SIGN CONTROLLER. MASAJI YOKOYAMA, Tokyo, Japan. Filed May 29, 1924, Serial No. 716,726, and in Japan Mar. 15, 1924. 3 Claims. (Cl. 200—46.)

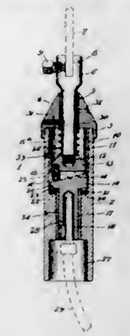


1. A controlling and operating mechanism for electric signs comprising a compressed air chamber having one of its walls provided with perforations, a foundation board spaced from said chamber provided with perforations registering with the said perforations of the chamber, a switchboard provided with sets of pairs of fixed contacts each connected to lamps on a display board, a piston in each of said perforations of the foundation board, movable contacts carried by said pistons adapted to short circuit the said pairs of the fixed contacts when a belt having perforations therein is moved in the space between the said air chamber and the said foundation board, so that the perforations in the air chamber, belt, and foundation board come into coincidence.

1,588,832. AUTOMATICALLY OPERATED RECIPROCATING TOOL. DONALD B. YOUNG, Cleveland, Ohio. Filed Feb. 21, 1924. Serial No. 694,382. 1 Claim. (Cl. 74—14.)

In a device of the character described, the combination of a body-member consisting of a cylindrical barrel and a removable head, said body-member provided with an end axial bore closed by said head and a bore of smaller diameter open to the other end of said barrel and communicating with said first-named bore, whereby an interior shoulder is formed; a reciprocable chuck member mounted in said head and having its inner end provided

with a guide slidably engaging the interior surface of said first-named bore, said guide having a flat surface at right angles to the axis of said bore and an eccentric contacting member projecting from the inner end surface thereof; a rotatable member mounted in said second-named bore and having an enlarged inner end portion supported by said shoulder and whose inner extremity forms a single flat plane at an angle with the axis of said rotatable member; and means arranged to maintain contact between said contacting member and said angularly arranged flat plane.

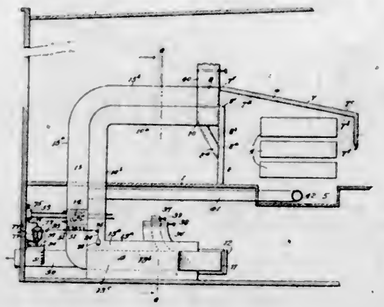


1,588,833. APPARATUS FOR RECOVERING HEAT FROM VAPOR, GASES, AND THE LIKE. EDWARD LAWRENCE HOGAN, Detroit, Mich., and GEORGE STANFORD WITHAM, Jr., Hudson Falls, N. Y., assignors to American Blower Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 3, 1922. Serial No. 598,875. 6 Claims. (Cl. 261—118.)

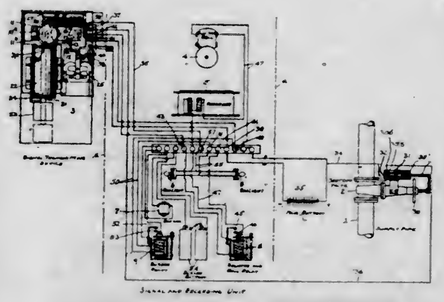
1. An apparatus of the class described, including a chamber, means for circulating vapor, gas, or the like through said chamber, means for circulating and discharging water in a spray into the chamber in the path of the vapor, gas, or the like, in separate successive stages progressively at different points along the same in a counter direction to that of the travel of the vapor, gas, or the like through the chamber, said means including a series of spray devices located at intervals along the chamber, a series of tanks disposed along the chamber, each one of the tanks being associated with one of the series of spray devices to receive the water therefrom, a water supply connection for one of the series of spray devices, means for circulating the water from certain of the tanks to the other spray devices in series, and means within the chamber located at intervals along the same between the spray devices to separate water from the vapor, gas, or the like and prevent interference between the different temperature stages of treatment of the water.

1,588,834. DRYING AND VENTILATING METHOD AND APPARATUS FOR MATERIAL-DRYING PLANTS. EDWARD L. HOGAN, Detroit, Mich., and GEORGE S. WITHAM, Jr., Hudson Falls, N. Y., assignors to American Blower Company, Detroit, Mich., a Corporation of New York. Filed May 8, 1924. Serial No. 711,859. 65 Claims. (Cl. 34—48.)

8. The combination with a web drying machine of the heated roll type, of a hood arranged to extend over the rolls, said hood having double wall portions providing a chamber therebetween and having an outlet from said chamber leading toward the rolls, means for supplying air to the said chamber in the wall of the hood, means for delivering heated air beneath the rolls, an exhaust apron for carrying off the vapors located at one side of the machine, and suction means connected with said apron.



1,588,835. SUPERVISORY ALARM SYSTEM. THOMAS F. HORNADAY, Chicago, Ill., and GUSTAVUS E. KITTELBERGER, Shelby, Ohio, assignors to The Autocall Company, Shelby, Ohio, a Corporation of Ohio. Filed Feb. 19, 1920. Serial No. 359,873. 5 Claims. (Cl. 177—382.)

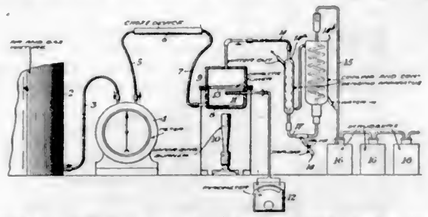


1. The combination with a valve of a fire extinguisher system of a transmitter having a set and a released position, means for resetting said transmitter including an electromagnet, a second electromagnet having means cooperating with the transmitter to hold the transmitter in set position, circuit connections controlled by said valve and including said electromagnets whereby said first electromagnet is controlled to reset the transmitter from released position and said second electromagnet is controlled to hold the transmitter in set position when said valve is opened and whereby said second electromagnet is controlled to release said transmitter when the valve is closed, and other circuit connections including signal responsive devices, said last mentioned connections being connected by the second electromagnet.

1,588,836. METHOD OF PARTIALLY OXIDIZING GASEOUS HYDROCARBONS. JOSEPH HIDY JAMES, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa. Filed Feb. 26, 1924. Serial No. 695,194. 11 Claims. (Cl. 260—138.)

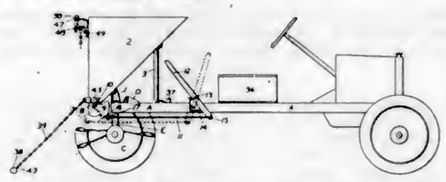
1. In the method of making intermediate oxidation products from hydrocarbons which are gaseous at nor-

mal temperatures and pressures, the steps consisting of forming a mixture of said hydrocarbons and oxygen in the proportion of about one volume of gas to not over



three and one-half volumes of air, and passing said mixture in contact with a solid catalyst at a temperature not exceeding 600° C.

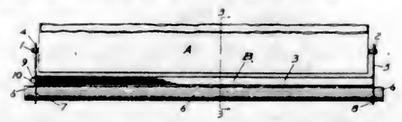
1,588,837. ROAD MACHINE. FORREST R. JONES, Knoxville, Tenn. Filed Oct. 1, 1924. Serial No. 741,052. 8 Claims. (Cl. 94—44.)

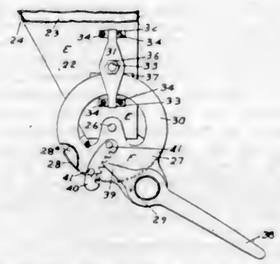


1. In combination, a roadway vehicle comprising a body for carrying loose material, a discharge opening in the lower part of the body, a nonclosing cutoff for retaining material in the body, and means to move the cutoff from its retaining position to its discharge position and then to its retaining position.

1,588,838. CUT-OFF FOR GRAVEL BINS AND CHUTES. FORREST R. JONES, Knoxville, Tenn. Filed July 25, 1925. Serial No. 46,134. 4 Claims. (Cl. 221—144.)

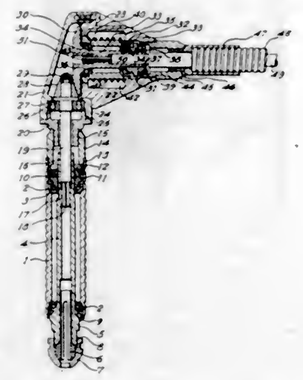
1. The combination of a hopper, an outlet in the lower part of the hopper, a nonclosing cutoff to retain material in the hopper and control flow from the outlet, and a torque-tube fastened to the ends of the cutoff.





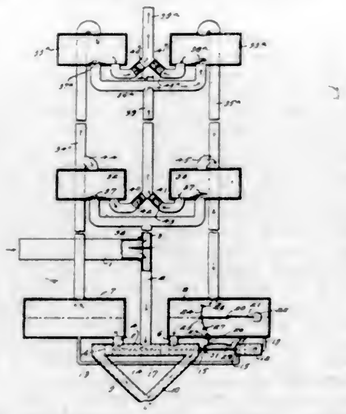
3. The combination of a hopper, an outlet in the lower part of the hopper, a nonclosing cutoff to retain material in the hopper and control flow from the outlet, an upward extension of one of the end-plates of the cutoff, and means to clamp the upward extension so as to lock the cutoff in each of its operative positions relative to the outlet.

1,588,839. FLEXIBLE SHAFT HANDPIECE. JOSEPH F. KELLER, New York, and ALWIN B. BACHMANN, Brooklyn, N. Y., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 25, 1923. Serial No. 664,684. 10 Claims. (Cl. 74—26.)



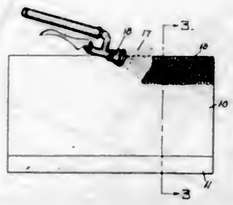
1. A flexible shaft hand piece, comprising a cylindrical shell and a tubular shaft passing therethrough, and rotatably mounted therein, one end of said tubular shaft being enlarged and formed as a chuck while the other end thereof is adapted to be engaged by the stud end of the flexible shaft.

1,588,840. AIR COMPRESSOR AND VACUUM WATER PUMP. VICTOR J. KING, Cedarview, Utah, assignor of one-half to David P. Whitmore, Roosevelt, Utah. Filed May 28, 1925. Serial No. 33,525. 9 Claims. (Cl. 103—237.)



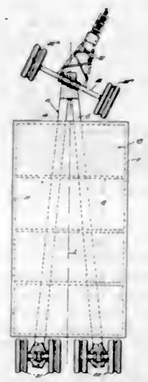
1. An apparatus of the class described comprising tanks, means for the flow of water to and from said tanks, alternately and automatically operable means to control the flow of said water to the respective tanks, and means controlled by the height of water in one of said tanks for placing the tanks in communication for alternate compression of air and creation of a vacuum therein.

1,588,841. COMPOSITION FOR CONCRETE BLOCKS AND METHOD OF USING THE SAME. ERNEST A. KNAPP, Toledo, Ohio. Filed Sept. 5, 1925. Serial No. 54,627. 11 Claims. (Cl. 25—155.)



1. A composition comprising cementitious material, an aggregate, and a water-repellent volatile liquid.

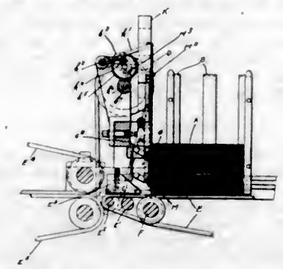
1,588,842. MULTIPLE-WHEEL TRAILER. GARNER L. KNOX, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, a Corporation of California. Filed Sept. 8, 1924. Serial No. 736,492. 1 Claim. (Cl. 280—81.)



In a vehicle structure, a frame, a plurality of wheel-pairs near one end of the frame, an independent connection between each wheel-pair and said frame, each of said connections including an axle for the wheel-pair, a pivot pin secured to the frame and arranged substantially in axial parallelism therewith, and a member attached to the axle and having pivotal connection with said pin; and vertically extending stationary guides on the frame adapted to engage vertically opposite sides of said axle during pivotal movement thereof about the pin and to receive from said axle strains of torque set up by the tendency of the wheel-pair to rotate through substantially horizontal planes about the connection and thereby relieve said connection from said strains.

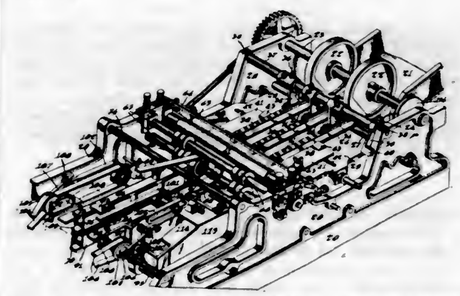
1,588,843. MACHINE FOR FEEDING BLANKS. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Feb. 10, 1922. Serial No. 535,632. 22 Claims. (Cl. 271—35.)

1. A mechanism for feeding successively from the bottom of a pile of blanks comprising a receptacle; means to feed each blank endwise from the receptacle throughout such feed; a pressing member movable longitudinally downward in engagement with the top face of a blank to urge the lowermost blank toward said



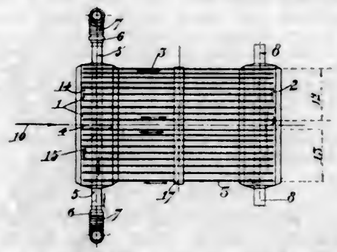
feeding means, said member being movable out of the path of the blanks in the pile when said member is raised; and means to operate said pressing member.

1,588,844. ENVELOPE MACHINE. LEON E. LA BOMBARDE and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Mar. 14, 1923. Serial No. 624,898. 32 Claims. (Cl. 93—62.)



1. A machine for making bag-shaped containers from blanks having relatively wide and narrow portions, comprising means for causing a blank to travel, laterally registering guides for opposite edges of both the wide and narrow portions of the blank, mechanism for transversely folding the blank in registered position, and means for securing the side edges of the wide and narrow portions together.

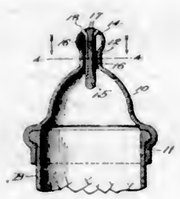
1,588,845. RADIATOR. ALEXANDRE LAMBLIN, Paris, France. Filed July 24, 1923, Serial No. 653,447, and in France Aug. 29, 1922. 2 Claims. (Cl. 244—31.)



1. In a cooling radiator for aircraft and other vehicles, the combination of a front header and a rear header, longitudinally apertured plates connected to said headers, an axis of articulation arranged in an extension

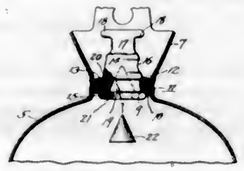
of one of the headers substantially perpendicular to the plane of the plates and providing a connection between the radiator and the vehicle, said axis of articulation comprising flow and return conduits for the water for the radiator and permitting the inclination of the longitudinal axis of the radiator to be varied at will with respect to the longitudinal axis of the vehicle while maintaining the plane of the plates parallel to the longitudinal axis of the vehicle.

1,588,846. NURSING NIPPLE. LACIE A. MCGEARY, Parkersburg, W. Va., assignor of one-half to I. S. Morgan, Parkersburg, W. Va. Original application filed May 26, 1924, Serial No. 715,946, Patent No. 1,545,436. Divided and this application filed May 8, 1925. Serial No. 28,905. 5 Claims. (Cl. 128—252.)



2. A nursing nipple formed of rubber and having a relatively stiff stem of rubber depending from the discharge end of the nipple on the interior thereof, discharge ports at opposite sides of the stem through the discharge end of the nipple, and opposite discharge channels extending longitudinally in and open along opposite sides of said stem and communicating with said spaced discharge ports, respectively.

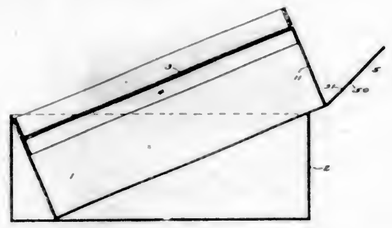
1,588,847. CONTAINER CLOSURE. HOWARD H. MCGEE, New York, N. Y. Filed July 5, 1923. Serial No. 649,426. 4 Claims. (Cl. 150—8.)



2. In combination with a container having a filling opening and an internal bead on the wall thereof, a closure plug for said opening having threaded connection with said bead, said closure at one of its ends being provided with means limiting inward movement of the closure through said opening and permitting of egress of the contents of the container therethrough, and said closure at its other end being provided with means limiting the outward unthreading movement of the closure through said opening and said end of the closure cooperating with the bead at the limit of its movement in the latter direction to effect a substantially air and water tight seal of said filling opening.

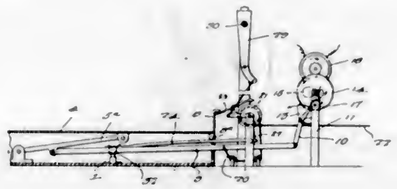
1,588,848. DISPENSING AND DISPLAY BOX. JOHN T. MCKINSTRY, Seattle, Wash. Filed Feb. 4, 1926. Serial No. 85,894. 1 Claim. (Cl. 206—44.)

A combined dispensing and display box comprising two telescoping box members of like depths, a display tray fitting the inner box, said inner box having means for supporting said tray at its upper open face, said inner box having a section at one end cut free on three sides to form a dispensing opening, lying wholly below



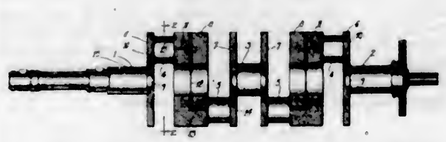
the tray and terminating short of the side margins of said end to thereby leave integral vertical stiffening bars at each side margin.

1,588,849. CROSSING GATE AND HIGHWAY SIGNAL. WILLIAM B. MILLER, Cumberland, Md. Filed Sept. 9, 1924. Serial No. 736,766. 2 Claims. (Cl. 39—6.)



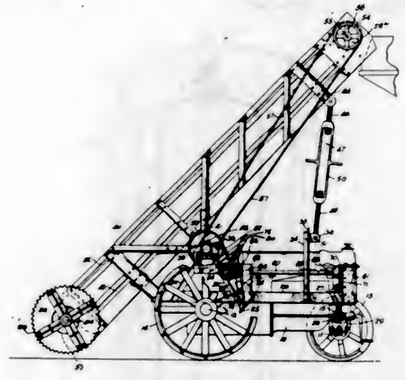
1. A device of the class described comprising a box, a barrier including legs pivotally connected to and foldable into said box, a shield pivoted upon the upper ends of said legs, an operating rod pivoted to one of said legs, a pivotally mounted arm to which said operating rod is pivotally connected, a finger on said arm, an eccentric engageable with said finger for rocking the same in one direction to operate said rod, and gearing associated with said eccentric and finger for bringing the eccentric into action at a predetermined time to move the finger in one direction, and for returning said finger to its normal position.

1,588,850. SHAFT. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Feb. 7, 1923. Serial No. 617,652. 3 Claims. (Cl. 74—38.)



1. A crank shaft or the like including tubular bearing members and crank portions, the former entering annular recesses in the latter of less depth than the thickness of the crank portions and fitting the annular ends of the tubular bearing members and being butt-welded thereto.

1,588,851. DRIVE FOR TRACTOR LOADERS. NELS PETER NELSON, Brooklyn, N. Y. Filed Mar. 27, 1923. Serial No. 627,978. 3 Claims. (Cl. 180—53.)



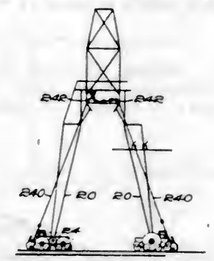
1. In a tractor of the character described, the combination with a wagon-loading device, of means for receiving power directly from the motor of the tractor and applying the said power to the elevator of the loading device, said means comprising a sprocket mounted on the crank shaft of the motor in the tractor, a clutch shaft longitudinally disposed with respect to the tractor at one side thereof, driving means between the said sprocket and the clutch shaft, a clutch control device carried by said clutch shaft, and means for transmitting power from the clutch shaft to the elevator of the loading device, substantially as described.

1,588,852. METHOD OF MAKING MOLD-BLOWN GLASS ARTICLES. THOMAS A. NILAN, Hurricane, W. Va. Filed Aug. 23, 1924. Serial No. 733,725. 8 Claims. (Cl. 49—69.)

1. The method of making mold-blown glass articles which includes providing a mold-blown glass article with an opening other than the blow opening, and specially applying heat to the portions of the article adjacent the opening, substantially as described.

1,588,853. CONVEYING BRIDGE STRUCTURE. ALMON R. NORRIS, Brookline, Mass. Filed Apr. 6, 1921. Serial No. 459,019. 19 Claims. (Cl. 188—43.)

1. In a railway truck, the combination of a rail-clamp, a brake, a spring normally applying said brake, brake-actuating means including a spring through which the brake-releasing force is transmitted, and means coordinat-

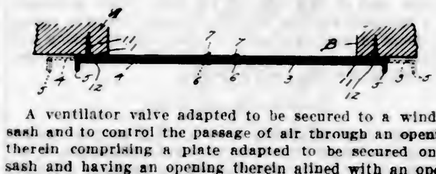


ing the operation of said rail-clamp and said brake to cause the application of said brake followed by the application of said rail-clamp.

1,588,854. MANUFACTURE OF ARTIFICIAL CLOTH. KURT RÖMMLER, Spremberg, Germany. Filed Nov. 13, 1924, Serial No. 749,645, and in Germany Nov. 19, 1923. 2 Claims. (Cl. 91—68.)

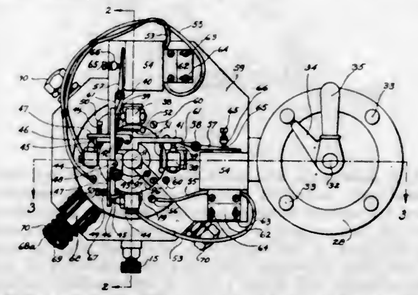
2. A method of manufacturing artificial cloth consisting in coating a fabric with a composition of a part saponified linseed-oil varnish thickened by cooking, and subsequently sprinkling upon this a coating dust of textile fibres.

1,588,855. VENTILATOR VALVE FOR WINDOWS. MARTIN SACHSE, Racine, Wis. Filed July 30, 1925. Serial No. 47,117. 1 Claim. (Cl. 98—31.)



A ventilator valve adapted to be secured to a window sash and to control the passage of air through an opening therein comprising a plate adapted to be secured on a sash and having an opening therein alined with an opening in the sash, guides on the longitudinal edges of the plate formed by folding said edges, valve plates slidably mounted in said guides, one of said valve plates having its edge meeting the other plate offset to overlap the adjacent edge of the other plate, and each of said plates having a tongue cut therefrom by substantially parallel incisions and bent outwardly of the plates to provide stops to limit the movement of the plates.

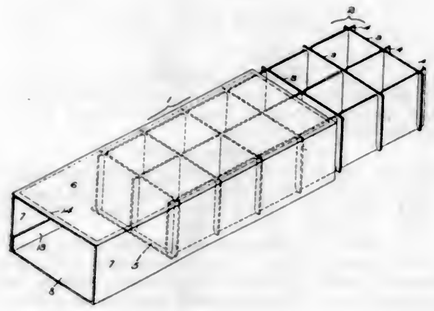
1,588,856. CONTOURING TRACER. JOHN C. SHAW, Brooklyn, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 22, 1924. Serial No. 687,758. 16 Claims. (Cl. 90—13.5.)



1. In a contouring tracer, the combination with a tracer spindle, of a contact carrying head, a pair of contact carrying arms pivotally mounted upon said head, and

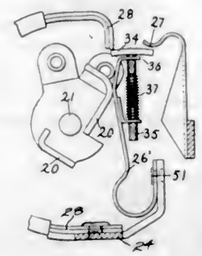
carrying contact on each side of the respective pivots, said arms extending at right angles to each other and adapted to engage and be actuated by the end of said tracer.

1,588,857. EGG CARTON OR CARRIER. FRANCIS H. SHERMAN, Willimantic, Conn. Filed Mar. 12, 1925. Serial No. 14,911. 5 Claims. (Cl. 229—28.)



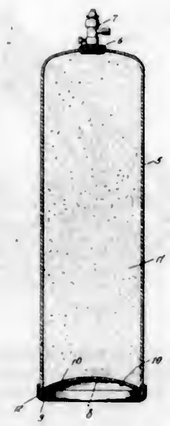
1. The method of packaging eggs in tubular cartons having bottomless cellular fillers which comprises inserting the eggs in the cells of the filler while positioned on a suitable working surface, effecting relative sliding movement of said filler and its tubular carton along said surface thereby to position the packed filler in said carton, and sealing the filler to the carton.

1,588,858. QUICK-MAKE AND QUICK-BREAK ELECTRIC SWITCH. RAYMOND D. SMITH, Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 25, 1921. Serial No. 447,662. 20 Claims. (Cl. 200—116.)



1. A quick-make and quick-break mechanism for thermostatically controlled switches embodying, in combination; a relatively stationary contact member; a relatively movable contact member; means tending to separate said two members; a thermostatically controlled latch movable to and from a position preventing the separation of said two members, and means acting on said movable member co-operatively with said latch member to cause a quick snap action thereof when the latter approaches said stationary member.

1,588,859. ACETYLENE TANK. RAYMOND A. SOSSONG, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 24, 1923. Serial No. 653,424. 1 Claim. (Cl. 220—66.)



An acetylene tank, comprising a shell, a bottom for the shell having a flange which is adapted to fit within the lower end of the shell, this flange being welded to the lower edge of the shell and a replaceable safety collar covering this weld connection, this safety collar being U-shape in cross section with its two legs engaging the flange and the lower edge of the shell and with its bight portion covering the weld connection, the safety collar being adapted to contact with floors as the tank is rolled from place to place to thereby prevent wear and the resultant weakening of the weld connection between the flange and lower lower edge of the shell.

1,588,860. METHOD OF PRODUCING HYDROGEN. CLAUDE C. VAN NUYS, Cranford, N. J., assignor to Air Reduction Company, Incorporated, a Corporation of New York. Filed Aug. 2, 1921. Serial No. 489,318. 21 Claims. (Cl. 23—210.)

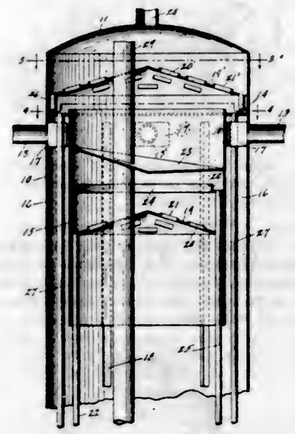
1. A method of producing hydrogen, which comprises subjecting a mass of ignited carbon to the action of a mixture of steam and oxygen, separating the constituents of the resulting gas by a liquefaction operation and simultaneously producing the oxygen and the refrigerating agent employed in separating the constituents of said gas by a separate liquefaction operation.

12. In an apparatus of the character described, the combination of a gas producer, means for separating a constituent of the gaseous product of the producer by the application of a refrigerating agent thereto and means operating to provide oxygen for use in the producer and the refrigerating agent simultaneously.

1,588,861. GAS TRAP AND FLOW TANK. JAY P. WALKER, Oklahoma City, Okla., assignor to American Tank Company, Oklahoma City, Okla., a Corporation of Oklahoma. Filed July 17, 1925. Serial No. 44,248. 15 Claims. (Cl. 183—2.7.)

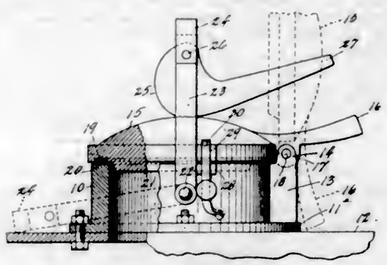
1. In an oil and gas separator, a vertical tank, fluid inlets in the sides of the tank above its central portion, a jacket within the tank spaced from the walls and top thereof, means having baffling surfaces extending vertically and transversely to the flow of the influent for

extracting oil therefrom and located in the space between the jacket and the inner walls of the tank and directly



in the path of the influent, baffles in the jacket for separating the oil from the gas, a gas outlet, and an oil outlet.

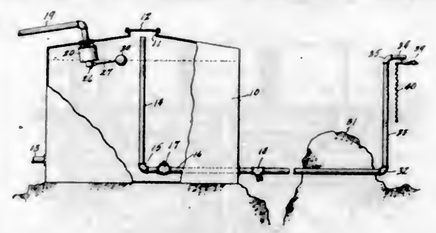
1,588,862. HATCH FOR FLUID-STORAGE TANKS. JAY P. WALKER, Oklahoma City, Okla., assignor to American Tank Company, Oklahoma City, Okla., a Corporation of Oklahoma. Filed July 17, 1925. Serial No. 44,249. 3 Claims. (Cl. 220—55.)



1. In a hatch of the character described, a collar for attachment to a storage receptacle, a cover pivoted on the collar, a sealing ear on the collar, an alined sealing ear on the cover registering with the ear on the collar, and a bail pivoted on the collar, the sealing ears being located to arrest the bail in an upright position.

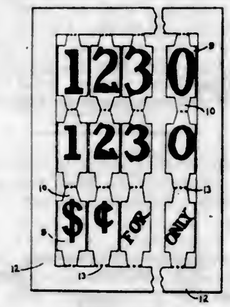
1,588,863. ANTIFREEZE FLUID CONTROL FOR STORAGE TANKS. JAY P. WALKER, Oklahoma City, Okla., assignor to American Tank Company, Oklahoma City, Okla., a Corporation of Oklahoma. Filed July 17, 1925. Serial No. 44,250. 8 Claims. (Cl. 220—85.)

1. The system of controlling fluids in a heated storage tank which consists in automatically cutting off the supply of liquid at a high level to create a vapor space in the tank conducting the vapors from said space by conducting



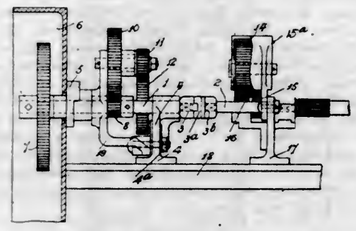
the same through a regulator immersed in the heated liquid in the tank, and by relieving a vacuum in said tank through a regulator immersed in the heated liquid.

1,588,864. CHANGEABLE SIGN AND PRICE CARD. SAMUEL WEISS, New York, N. Y., assignor to The Mutagraph Company, New York, N. Y. Filed July 10, 1924. Serial No. 725,157. 2 Claims. (Cl. 283—18.)



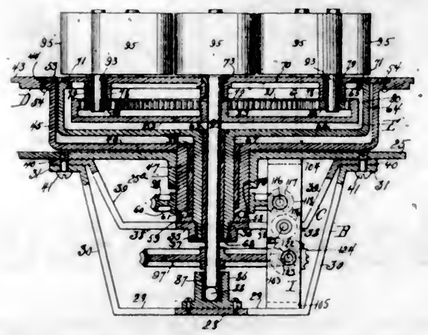
1. A sheet of paper, die-cut along the major portion of the outlines of a plurality of character-carrying units, said sheet being perforated at the points of connection between said units, the said perforated structures serving as a connection between the character-carrying units, substantially as described.

1,588,865. DRIVING OF DRAWING ROLLERS IN SPINNING MACHINERY. EMILE JOHN WELFFENS, Manchester, England. Filed June 6, 1925, Serial No. 35,306, and in Great Britain June 4, 1924. 5 Claims. (Cl. 19—134.)



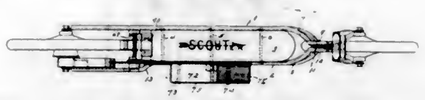
1. Draw rollers for spinning machinery including a front roller having a separate driving end section, driving gearing connected with the end section, and a coupling detachably connecting the said front roller with the end section and permitting the front roller to be removed without removing the end section.

1,588,866. ENDLESS-FILM REEL. LYMAN A. WILSON, New York, N. Y. Filed Sept. 2, 1922. Serial No. 585,914. 4 Claims. (Cl. 88—18.7.)



3. In an endless film reel the combination of a casing, a detachable cover for the casing, a pair of frames extending from the lower face of the cover into said casing, a cup shaped turntable with its lower end rotatably supported on one of said frames, a stationary gear housing located within the turntable and fastened to the latter frame, guide rollers over the gear housing, means to turn the guide roller with its lower end supported on the second frame and means to turn the turntable.

1,588,867. FOOT-PROPELLED TOY VEHICLE. ALBERT R. WINANS, Ramsey, N. J. Filed July 14, 1922. Serial No. 575,005. 9 Claims. (Cl. 208—35.)



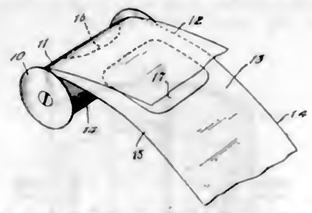
1. In a foot propelled vehicle, the combination of a chassis comprising a pair of longitudinal side frames arranged in parallel having upturned forward ends, a foot board located between and rigidly secured to said frames, a single driving wheel mounted between said frames in their rear ends, a pair of fork members rigidly spaced apart, and a steering wheel mounted between the lower ends of said fork members.

1,588,868. METHOD FOR THE PRODUCTION OF HIGHLY-ACTIVE CHARCOAL FROM WOOD. PAUL WÖHLER, Mannheim-Wohlgelegen, Germany, assignor to the Firm of Rhenania Verein Chemischer Fabriken Actien-Gesellschaft, Zweig-Niederlassung Mannheim, Mannheim-Wohlgelegen, Germany, a Corporation of Germany. Filed Sept. 1, 1921, Serial No. 497,666, and in Germany Apr. 14, 1917. 13 Claims. (Cl. 252—3.)

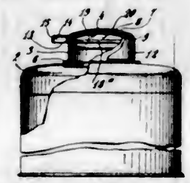
1. The improved method for the production of active carbon in granular form which consists in carbonizing under exclusion of air at a temperature of 300 to 500° C. wood cut into bits of small size, in incorporating alkali in the product and in heating the product under exclusion of air at bright red heat.

1,588,869. PHOTOGRAPHIC FILM. GERSON G. WOLK, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,627. 7 Claims. (Cl. 95—9.)

1. An article of manufacture comprising two superposed films adapted to be fed together through a camera, one of said films being sensitized to constitute a photographic film and the other film being opaque and constituting a mask for the sensitized film, said mask film provided with openings to expose the parts of the sensitized film facing the openings.

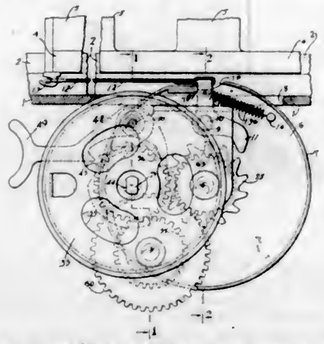


1,588,870. SIFTER TOP FOR RECEPTACLES. CHARLES J. AULBACH, Passaic, N. J., assignor to Passaic Metal Ware Company, Passaic, N. J., a Corporation of New Jersey. Filed Oct. 22, 1925. Serial No. 64,124. 6 Claims. (Cl. 221—64.)



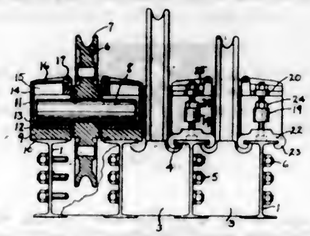
1. Sifter means for receptacles comprising a neck with a perforated top, a perforated disk rotative upon the top of the neck, means rotatively retaining the disk upon the neck, a spring having an annular portion held against rotation within the neck and having a transverse free portion extending across the neck, and means operatively connecting the disk and the transverse portion of the spring for normally retaining the disk in closed position.

1,588,871. TYPEWRITING MACHINE. JOHN H. BARR, Ithaca, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 11, 1923. Serial No. 650,756. 10 Claims. (Cl. 197—62.)



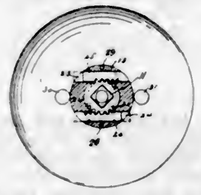
1. In a typewriting machine, the combination of a carriage, a circular drum, a shaft on which said drum is mounted, a convolute spring within said drum and having one end connected thereto, the other end of said spring being connected to said shaft, a second circular drum arranged in parallelism to the first drum and connected to said carriage, and means between the two drums for maintaining a substantially constant pull on said carriage at the different points in its travel while affording a plurality of revolutions of said second circular drum.

1,588,872. ADJUSTABLE CROWN BLOCK. BURWELL BOYKIN, Jr., Beaumont, Tex. Filed Dec. 27, 1924. Serial No. 758,355. 2 Claims. (Cl. 308—59.)



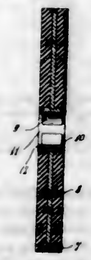
2. In a crown block, the combination of a shaft, a supporting I-beam, a bearing box for said shaft on said beam, a bearing cap on said box, lugs extending longitudinally at each end of said box and cap, clamping plates slidably engaging said beam and movable independently of said box, a bolt secured non-rotatably in each of said plates and extending upwardly through said lugs at each end of said box, and nuts on said bolts securing said lugs thereon and nuts clamping said box to said beam.

1,588,873. THROW-OFF REEL. PLINY CATUCCI, Newark, N. J. Filed July 22, 1922. Serial No. 576,715. 7 Claims. (Cl. 242—84.7.)



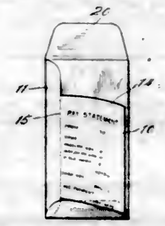
5. In a fishing reel, the combination with a free running spindle having a spool fixed thereon, and a pinion loosely mounted upon the spindle, of a post projecting from the end of said spool, a bolt carried by said pinion, and frictional means connecting said bolt and said pinion whereby the rotation of said pinion in one direction will project said bolt in the path of said posts, and rotation in the opposite direction will withdraw said bolt from said path.

1,588,874. VALVE CONSTRUCTION. WERTUS CURRENT, Belleville, N. J., assignor to Voorhees Rubber Mfg. Co., Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 25, 1926. Serial No. 83,772. 18 Claims. (Cl. 251—161.)



1. In a valve having a stiffener structure in its main body, the combination of a mounting structure for the valve, and spring means carried by the last-mentioned structure for directly mounting the same within and on the stiffener structure.

1,588,875. ENVELOPE. CHESTER W. CURTIS, Greensburg, Pa. Filed Feb. 8, 1924. Serial No. 691,346. 8 Claims. (Cl. 229—70.)

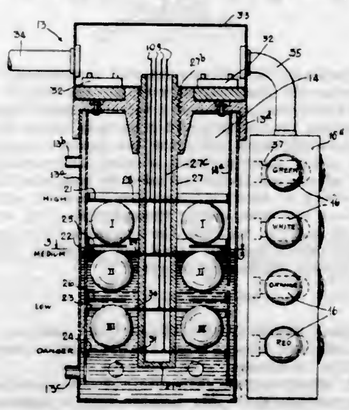


1. In an envelope, a body portion bearing a receipt form upon its face and having a detachable flap integral with said body portion, said flap and the body portion therebeneath bearing registering duplicate forms provided with spaces wherein written record may be made, and transfer means applied to the under surface of the flap for duplicating said written record on the form of the body portion.

1,588,876. TOY VEHICLE. NATHAN A. CURTISS, Berwyn, Ill., assignor to Albert R. Winans, Ramsey, N. J. Filed Sept. 18, 1924. Serial No. 738,438. 9 Claims. (Cl. 208—38.)

1. In a toy vehicle the combination with a pair of side frame members having their forward ends upwardly and forwardly inclined, and their rear ends curved upwardly, one of said rear ends being offset outwardly, a pair of bearing plates rigidly secured together between the forward ends of said frame at their upper extremities, a forked steering post rotatable between said plates, a steering wheel journalled in the fork of said post, a flanged metal foot board spacing said frame members apart, a driving wheel mounted directly between the straight and offset rear members, of a pedal shaft journalled in said frame and extending beyond the offset side of said frame, a pedal mounted upon the extending end of said shaft and resilient means for retaining said pedal in a normally raised position.

1,588,877. WATER-SUPPLY REGULATOR. JOHN H. DONAHUE, New Orleans, La. Filed Aug. 25, 1925. Serial No. 52,337. 22 Claims. (Cl. 137—101.)



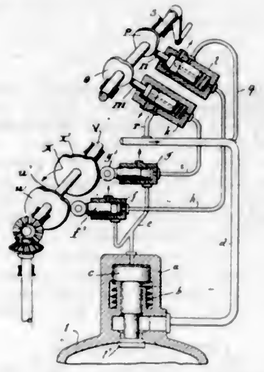
2. A feedwater control equipment of the character described comprising an electrical wiring system having

manual means for setting the equipment to automatically operate at various water levels, a device actuated by the level of the water to make and break the circuit of the system for controlling said automatic operation, and electrical means for indicating the setting of said manually operated means.

1,588,878. COLLAR. GARRY J. DORMANDY, Troy, N. Y., assignor to Lion Collars & Shirts, Inc., Troy, N. Y., a Corporation of New York. Filed Jan. 24, 1924. Serial No. 688,172. 8 Claims. (Cl. 2—143.)

1. A collar comprising a band member, the upper edge of the main or body portion of which band member is a selvaged edge, and which band member has a separately-cut upturned extension attached to one end of its main or body portion and which extension reaches to a point above said upper edge of the main or body portion of the band member.

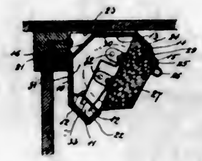
1,588,879. STARTING VALVE FOR INTERNAL-COMBUSTION ENGINES. JOHANN FRIEDRICH ENGLERT, Nuremberg, Germany, assignor to the Firm Maschinenfabrik Augsburg-Nuernburg Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed Aug. 24, 1921, Serial No. 494,914, and in Germany Nov. 5, 1918. 8 Claims. (Cl. 60—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Apparatus for starting internal combustion engines, comprising the combination with the cylinder of an internal combustion engine, of a valve for admitting starting air into the cylinder, and pneumatic means for actuating said admission valve, the said means comprising a source of air under pressure, a power driven shaft, and a pair of control devices actuated by said shaft and in turn serving to admit air from said source to said valve to actuate the same, one of these devices being actuated from the shaft to maintain the admission valve open for a longer period than the other, and means for rendering these devices alternately operable.

1,588,880. SHOW-CASE REFLECTOR. LEONARD ERIKSON, Malden, Mass. Filed Aug. 12, 1925. Serial No. 49,753. 5 Claims. (Cl. 240—6.)

1. A trough-shaped show-case reflector comprising a substantially-vertical side member and a substantially-horizontal top member, said top member terminating in a downwardly-inclined side member having a longitudinally-extending bead throughout its length, and said side member having its lower end reversely bent to form a conduit for electrical conductors, in combination with a

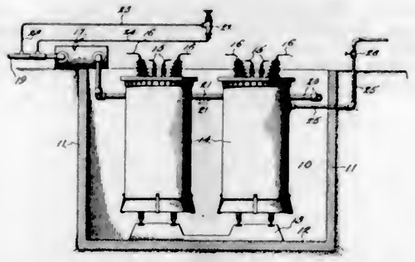


resilient clip having a substantially vertical side member provided with means for supporting said conduit, and a substantially-horizontal top member terminating in a downwardly inclined end portion having a recess for receiving said bead formed in said reflector.

1,588,881. COTTON-BOLL EXTRACTING AND CLEANING DEVICE. GEORGE E. EVANS, Waco, Tex. Filed July 16, 1925. Serial No. 43,942. 17 Claims. (Cl. 19—72.)

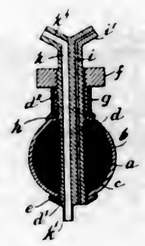
1. In a cotton boll extracting and cleaning device, an elongated housing, a train of cotton treating elements therein, an air barrier at the entrance diverting the air currents into lanes immediately above and below the treating elements and contiguous thereto, and means for separately discharging the cotton and burs from the device.

1,588,882. APPARATUS FOR EXTINGUISHING TRANSFORMER AND SWITCH FIRES. CURTIS B. FLORY, Forest Hills, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed July 30, 1921. Serial No. 488,532. 2 Claims. (Cl. 169—4.)



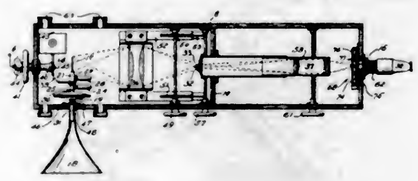
1. A system for extinguishing oil transformer or oil switch fires, comprising a storage pit or compartment, oil transformer or switch tank means located in said compartment and isolated thereby, and apparatus for generating and delivering foam to the compartment and to the tank tops, the said apparatus comprising a mixing chamber located adjacent the compartment, independent solution supply lines connected to the mixing chamber, perforated foam delivering pipe sections arranged interiorly about the walls of the compartment and surrounding the said tanks connected to the mixing chamber, a foam generating and delivering unit located above the tank tops, and independent lines connecting the said unit to the independent solution supply lines.

1,588,883. DEVICE FOR WITHDRAWING LIQUIDS FROM CONTAINERS. ERIC MAYLAND FRANCIS, London, England. Filed Sept. 18, 1923, Serial No. 663,332, and in Great Britain Sept. 20, 1922. 3 Claims. (Cl. 221—76.)



1. A closure for liquid containers, having in combination an impervious envelope with a filling of compressible cellular elastic material and means for axially compressing the envelope and its filling to increase the transverse diameter thereof.

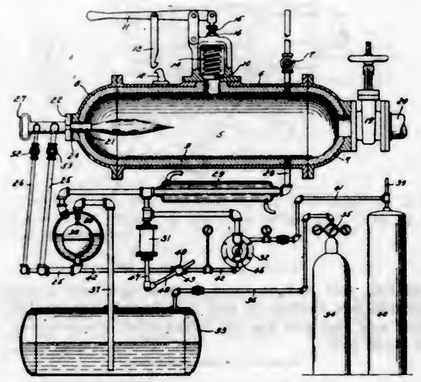
1,588,884. PHOTOGRAPHIC MEANS FOR RECORDING SOUND. RUSSELL HART, Los Angeles, Calif. Filed Dec. 22, 1922. Serial No. 608,499. 5 Claims. (Cl. 274—5.)



1. Sound recording apparatus comprising; means for producing an attenuated actinic flame; a photo-sensitized surface, means for moving said surface at a uniform velocity; an intermediate opaque screen having a tenuous optical slit parallel to the flame, whereby a thin beam of actinic rays from the flame may be thrown upon said surface transversely to its direction of motion; and means for modulating the visible length of said flame by sound waves, to vary the width of said beam.

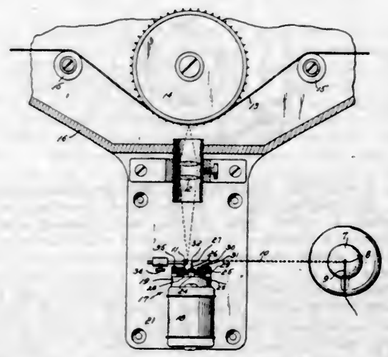
1,588,885. COMBUSTION-PRESSURE APPARATUS. RUSSELL HART, Los Angeles, Calif. Filed Nov. 24, 1924. Serial No. 751,909. 4 Claims. (Cl. 60—44.)

1. Combustion pressure apparatus comprising: a retort having a combustion chamber adapted to withstand internal pressure; a burner communicating with a fuel supply, directed into said chamber; a source of compressed air connected into the burner for making a combustible mixture with the fuel therein; and an automatic pressure regulator in said air connection intermediate the air source and the burner; said regulator being controlled by the pressure in said chamber and adapted to



maintain the air pressure at its discharge outlet a substantially constant amount in excess of the pressure in said chamber.

1,588,886. PHOTO-ELECTRIC APPARATUS. RUSSELL HART, Los Angeles, Calif. Filed Aug. 22, 1925. Serial No. 51,850. 6 Claims. (Cl. 179—100.1.)

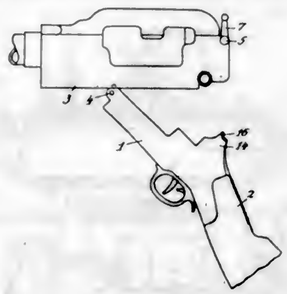


1. Apparatus of the character described, comprising; a rectilinear light source; a uniformly movable photo-sensitized surface; a cylindrical mirror whereby an image of said source may be reflected upon said surface; and means for variably eclipsing rays from said source to modify the proportions of the reflected image to correspond to modulations of current in an electric circuit.

1,588,887. MACHINE GUN WITH EXCHANGEABLE BARREL. WERNER CHRISTIAN LASSEN HAUBROE, Copenhagen, Denmark. Filed Sept. 3, 1924, Serial No. 735,546, and in France Nov. 12, 1923. 1 Claim. (Cl. 42—75.)

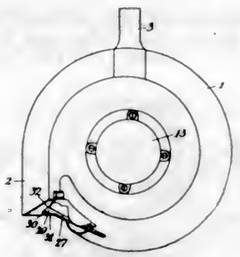
In a machine gun, the combination of a trigger plate, a lock frame pivotally secured to said trigger plate, a removable barrel carried by the trigger plate, a rotatable lock bolt mounted in the lock frame, the trigger plate being provided with a semicircular opening adapted to engage said bolt thereby to retain the trigger plate

against swinging on its pivot, said bolt being truncated whereby upon rotation of the bolt for half a revolution the trigger plate is released therefrom, a head carried by



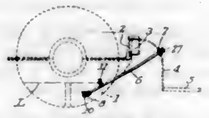
said lock bolt and provided with a slot, and a spring-actuated bolt carried by said lock frame and adapted to enter said slot and prevent longitudinal displacement of the lock bolt.

1,588,888. DRUM-SHAPED CARTRIDGE MAGAZINE FOR MACHINE GUNS OR THE LIKE. WERNER CHRISTIAN LASSEN HAUBROE, Copenhagen, Denmark. Filed Sept. 3, 1924, Serial No. 735,548, and in France Oct. 7, 1923. 3 Claims. (Cl. 89—33.)



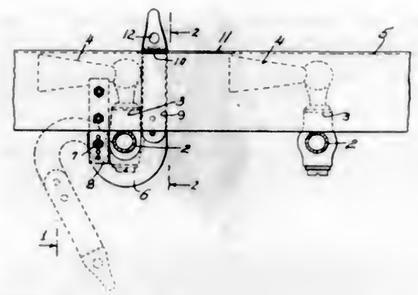
1. A cartridge magazine for machine guns, comprising, in combination, a drum-shaped housing, means forming a spiral path within said housing adapted to receive a plurality of cartridges, a shaft mounted for rotation within the housing, a tubular telescoping lever carried by said shaft and bodily rotatable therewith, resilient means within said lever for urging the same toward its extended position, a roller carried by said lever and adapted to travel in said spiral path, a spiral spring for rotating said shaft thereby to cause said roller to travel from the inner toward the outer end of the spiral path, and means for winding said spring and carrying the roller from the outer toward the inner end of said path.

1,588,889. OIL-LEVEL GAUGE. BURTON U. HILLS, Chicago, Ill. Filed Mar. 18, 1922. Serial No. 544,793. 1 Claim. (Cl. 73—120.)



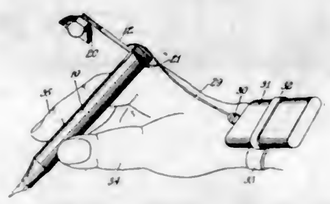
In a device of the kind described and in combination, a chambered fitting constructed for attachment to a reservoir and communicating therewith, a tube carried by and communicating with the chamber in said fitting, a rod projecting into said tube from the open end to a point adjacent said fitting, means for removably securing said rod in the tube and closing the open end of the tube, means for centering the inner end of the rod in the tube and preventing transverse play thereof in the tube, comprising a resilient wire extending transversely through the rod and bent lengthwise thereof, and means for connecting the free ends of the wire to the rod.

1,588,890. SAFETY ATTACHMENT FOR GAS STOVES. LOUIS HORVATH, New York, N. Y. Filed Feb. 17, 1926. Serial No. 88,785. 2 Claims. (Cl. 126—42.)



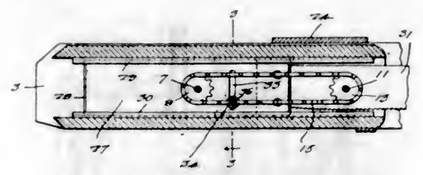
1. An attachment for locking the valve-handles of a gas range in closed position, comprising a cover adapted to fit over the handles and formed with a slot, a shackle pivoted to the cover with its free end positioned to pass through the slot, and a spring catch at the free end of the shackle for fastening it in the slot.

1,588,891. ILLUMINATOR. OSCAR A. HUG, Brooklyn, N. Y. Filed Sept. 9, 1925. Serial No. 55,222. 2 Claims. (Cl. 240—2.)



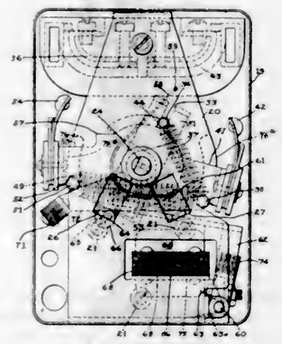
1. An illuminator comprising a cell strapped to the wrist, an illuminating unit used in combination with a fountain pen comprising a hollow member having a curved plate extending at right angles from one end, said curved plate being adapted to seat upon the barrel of the fountain pen or the like, a pair of conductor bars extending lengthwise in the hollow member and being mutually insulated, said conductor bars extending from one end of the hollow member, one above the other, a sleeve in the lower conductor bar, a filament lamp adapted to be mounted in said sleeve, a reflector mounted on said sleeve around said filament lamp, the conductor bar being flexible and forming the opposite terminal for contacting with one of the terminals of the filament lamp, a lead wire extending from the cell to the hollow member, means for attaching said illuminator unit to a fountain pen, and means for securing the lead wires to the conductor bars.

1,588,892. MOTOR-OPERATED DRAG SAW. GEORGE HUMISTON and WILLIAM HUMISTON, Reedsport, Oreg. Filed Jan. 28, 1925. Serial No. 5,271. 1 Claim. (Cl. 143—68.)



A sawing machine of the class described including, in combination, a supporting frame comprising a pair of spaced elongated parallel side beams, one end of which are provided with teeth for engaging a log or like article to be sawed, a casing pivotally supported intermediate its ends between intermediate portions of the guide beams adjacent their other ends, and including an upper and a lower wall, a pair of channel members, one supported on the upper wall, and one supported on the lower wall, a carriage slidable in the channel members, a saw blade secured to one end of the carriage and extending in the same general direction with the first mentioned ends of the side beams, said saw being slidable through one end of the casing, and means for reciprocating the carriage.

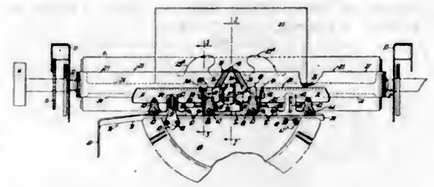
1,588,893. ELECTRIC SWITCH. HUBERT K. KRANTZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1922. Serial No. 580,409. 33 Claims. (Cl. 172—179.)



4. The combination with a main circuit, and a shunt circuit, of a switch for controlling the main circuit, a switch for controlling the shunt circuit, a common means for closing the switches, and means responsive to the current in the shunt circuit for normally causing an opening movement of the second named switch after a short period of time following its closure.

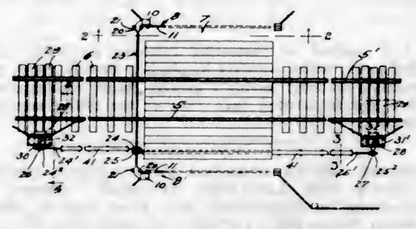
1,588,894. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 30, 1924. Serial No. 723,200. 18 Claims. (Cl. 197—135.)

1. In a typewriting machine, the combination with a revoluble platen and a carriage thereof, of a card-clamping bar secured to said platen and extending therealong and having means at its advancing edge to hold the bottom edge of a card, a support on the framework of the machine, and a pressure finger carried by said support



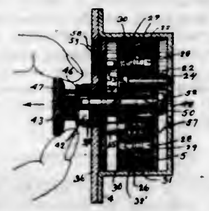
and stationary as the carriage travels and engaging said card above the printing point to press said card back around said platen.

1,588,895. RAILWAY-CROSSING GATE. ANNA LEBRETON and ERNEST TALBOT, Seattle, Wash. Filed Dec. 6, 1922. Serial No. 605,322. 2 Claims. (Cl. 246—293.)



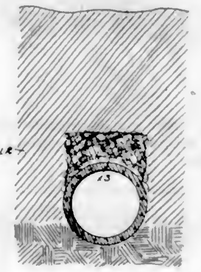
1. In apparatus of the character described, the combination with a railway track, and a road crossing, a post provided at one side of said crossing, of a gate bar pivoted intermediate its length to said post, a rotatable spider provided upon said post and carrying rollers engageable with an arm of said gate bar to effect the closing and opening movements of the gate bar with respect to said crossing, means provided at one side of said track and operatively connected to said spider, and means carried by a car mounted upon said track to impart motion to the first named means for actuating the spider with respect to said gate bar.

1,588,896. COMBINATION LOCK. MORRIS J. LENSKY and FRED A. HENSGER, Cleveland, Ohio; said Hensger assignor to Carl R. Taylor, Cleveland, Ohio. Filed May 22, 1922. Serial No. 562,768. 14 Claims. (Cl. 200—43.)



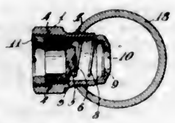
1. In a combination lock, the combination with a series of shiftable controlling members, of a selective operating member mounted for movement into operative relationship with the individual controlling members and operable when so disposed with respect to a controlling member to shift the same and operable in any position to retract all controlling members which have previously been shifted.

1,588,897. METHOD OF PROTECTING CONDUITS PROJECTING INTO FILLED AREAS. ANSON MARSTON, Ames, Iowa, assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa, a Corporation of Iowa. Filed Sept. 12, 1924. Serial No. 737,370. 3 Claims. (Cl. 72—51.)



1. A method of protecting conduits projecting into filled areas, which consists in placing directly above the conduit a material having a greater degree of compressibility due to settling than that of the filling material alongside.

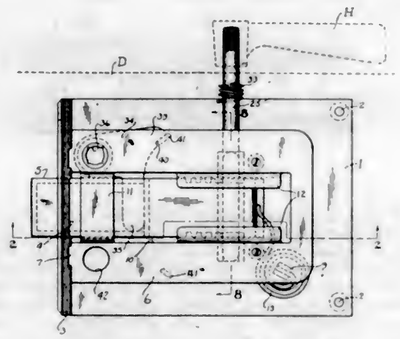
1,588,898. QUICK OPENING AND CLOSING CHECK VALVE FOR AERATING SYSTEMS. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed July 21, 1925. Serial No. 44,993. 1 Claim. (Cl. 284—18.)



A device of the character described comprising a header, a valve housing removably secured thereto, a shoulder formed in said housing, a compressible packing washer seating on said shoulder and provided with a central bore, means in said housing for variably compressing said washer against said shoulder whereby to vary the diameter of said bore, a second shoulder formed in said housing inward of said first mentioned shoulder, a valve normally seating on said washer, resilient means engaging said valve and said second mentioned shoulder, and means adapted to be inserted through the bore in said washer in fluid tight relation therewith for opening said valve, said valve instantly closing when said last mentioned means is withdrawn.

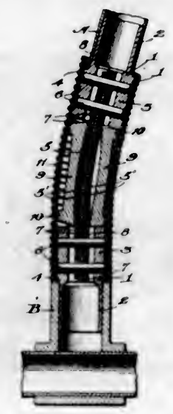
1,588,899. DOOR LATCH. CHARLES S. MCCARTHY, Toledo, Ohio, assignor to American Swiss Magneto Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 5, 1925. Serial No. 6,938. 10 Claims. (Cl. 292—172.)

1. In a device of the character described, a one piece latch comprising a pair of substantially parallel elongate plates of unequal length, said plates being integrally connected at one end and one of said plates curving away from said connection, side flaps integral with the longitudinal margins of said longer plate and extending against said shorter plate, said flaps having cut-out portions thereby to form parallel elongate slots, an integral end tab on said shorter plate extending at substantially



right angles toward the longer plate, and an integral end tab on the longer plate extending at substantially right angles therefrom.

1,588,900. FLEXIBLE LINK FOR VELOCIPEDES AND THE LIKE. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,208. 29 Claims. (Cl. 208—94.)

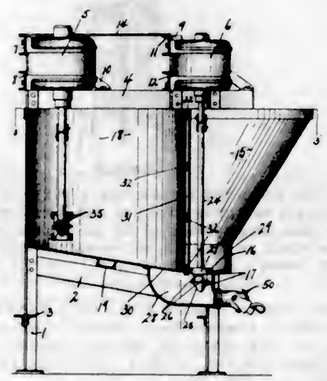


1. In a velocipede frame, a backbone having intermediate its length a flexible link comprising a pair of terminal elements, a resilient member connecting said elements, and means interposed between said elements for limiting the flexure of said member.

1,588,901. MIXER. OLIVER EDWARD MERRELL, Syracuse, N. Y., assignor to Merrell-Soule Company, Syracuse, N. Y., a Corporation of New York. Filed Jan. 3, 1925. Serial No. 361. 14 Claims. (Cl. 259—96.)

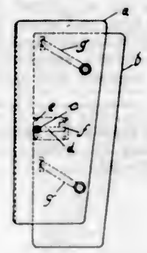
1. In a mixer, a primary tank and a secondary tank having a portion of their walls in common, such common wall having an opening constituting a means of communication between the tanks, additional means of communication between the bottom portions of the tanks, a beater

in said additional means of communication, said beater being of a size substantially equal to the cross-sectional area of such additional means of communication, whereby



substantially all the material flowing through said additional means of communication must pass through the beater.

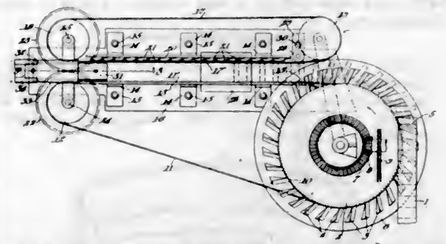
1,588,902. TROUSERS PRESS. GEORG OERTGE and CARL SCHMITT, Worms, Germany. Filed Oct. 1, 1925. Serial No. 59,929, and in Germany Sept. 11, 1924. 1 Claim. (Cl. 223—19.)



A trousers press comprising in combination a pocket made of suitable material having a bayonet slot in its top plate, a slide made of suitable material movably mounted in the pocket, a pin on said slide engaging with said bayonet slot of the pocket, and rubber bands attached at the one end to said pocket and at the other end to said slide and designed to pull the slide partly out of the pocket when said pin is released from the notch of said bayonet slot so that the edge of said pocket and the edge of said slide are strongly pressed into the opposite creases of the trousers leg.

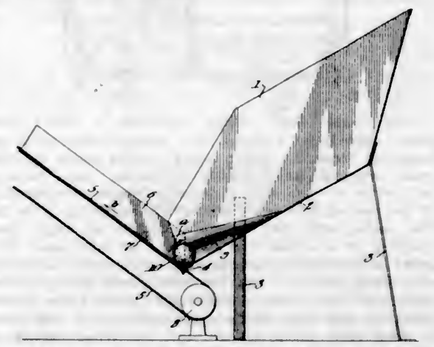
1,588,903. MATCH-BOX-STACKING DEVICE. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,255. 8 Claims. (Cl. 198—103.)

1. In a match box stacking device, a rotating disk, means carried by said disk for turning boxes of matches received thereon upon their tops or bottoms to positions upon their sides, a plate mounted below and rotating with said disk and adapted to receive the boxes of matches discharged upon said disk and positioned thereby, a traveling carrier arranged in cooperative relation with



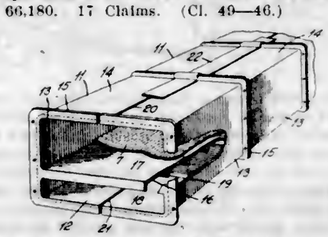
respect to said disk and plate and adapted to receive the boxes of matches therefrom and to convey them, and a discharge chute adapted to receive the boxes of matches conveyed by said carrier.

1,588,904. FEED DEVICE FOR BELT CONVEYERS. LUCIAN E. PARKER, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,257. 7 Claims. (Cl. 198—53.)



1. In a feed device for belt conveyers, a hopper adapted to receive a quantity of articles in bulk and having a discharge end, a conveyer arranged adjacent to and travelling past said discharge end, and a body of rotation arranged in said hopper and supported by and deriving motion from said conveyer for the purpose of feeding said articles to and distributing them upon said conveyer.

1,588,905. APPARATUS FOR ANNEALING GLASSWARE. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Nov. 2, 1925. Serial No. 66,180. 17 Claims. (Cl. 49—46.)

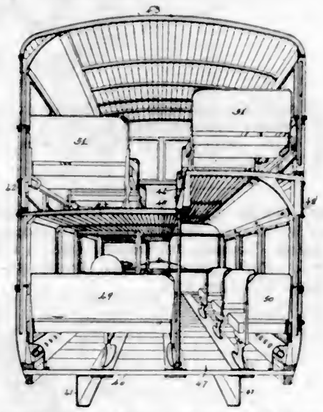


11. Apparatus for annealing glassware comprising a tunnel section having a metallic wall and a flue formed integrally with said wall.

17. Apparatus for annealing glassware, including a tunnel comprising a plurality of self-supporting metallic

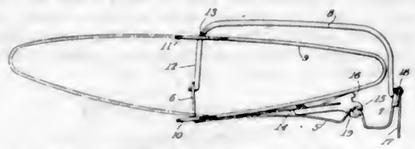
sections arranged in end-to-end relation, each of said sections having a passageway for ware and a passageway for a temperature-controlling medium, said passageways being separated by a wall common to both of said passageways.

1,588,906. DOUBLE-DECK VEHICLE. GEORGE JOHN RACKHAM, Chicago, Ill., assignor to Yellow Coach Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1924. Serial No. 743,857. 3 Claims. (Cl. 296—28.)



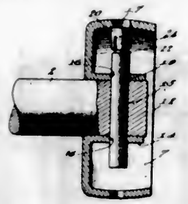
1. A double deck vehicle including a lower deck placed entirely on a single level, and provided with two series of forwardly facing seats located along its side walls with a longitudinally extending aisle between said series of seats, said aisle being located substantially in the central portion of the vehicle and away from the side walls, and said vehicle including an upper deck reaching in a single level over one of said lower deck series of seats and over the lower deck aisle, and being of reduced elevation over the other lower deck series of seats, and two series of forwardly facing seats located along the side walls of the upper deck, one of said series of seats fully occupying the first mentioned portion of the upper deck, and the other of said series of upper deck seats occupying that portion of the reduced elevation part of the upper deck which is located against the outer wall of the vehicle.

1,588,907. ANIMAL TRAP. CHARLES AGUSTUS RANCIER, Brooklyn, N. Y., assignor of one-half to William J. Boehmer. Filed Oct. 17, 1924. Serial No. 744,102. 3 Claims. (Cl. 43—88.)



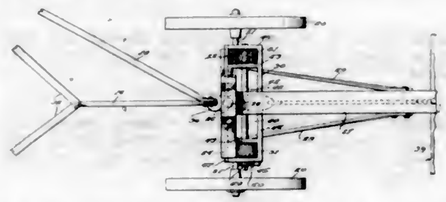
1. A trap comprising a base having uprights and being arched upwardly near one upright, jaws pivoted to said uprights, an arched spring having at one end an eye to embrace said upright adjacent the arched portion of the base and at the other end an eye to embrace the upright when the trap is set and the adjacent ends of the jaws when the trap is sprung, and means for setting the trap including a bait pan pivoted to said base near the end opposite the spring and having its free end, when the trap is sprung, lying in substantially the same inclined plane as the end of the base adjacent the spring so that the spring when folded in over the adjacent end of the base will ride over the bait pan.

1,588,908. COUPLING DEVICE. JERRY J. REYNOLDS, Okmulgee, Okla. Filed May 18, 1925. Serial No. 31,159. 4 Claims. (Cl. 287—53.)



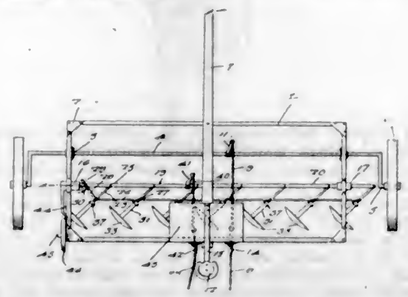
1. A fan pulley pin for securing a pulley to a shaft and having a ball at one end and a neck of reducing diameter connecting the ball to the pin, and a removable head swivelled on the ball to prevent loss of the pin from the pulley.

1,588,909. FRONT TRUCK FOR CORN HARVESTERS. JOHN ROUPP, Hesston, Kans. Original application filed Sept. 10, 1923, Serial No. 661,847. Divided and this application filed Oct. 23, 1924. Serial No. 745,441. 5 Claims. (Cl. 280—83.)



1. The combination of a draft member, a pintle depending from the front end of the draft member, a truck in front of the draft member, and a coupling carried by the truck, and vertically adjustable thereon and pivotally and slidably engaged with said pintle.

1,588,910. DISK HARROW. MICHAEL RUBY, Thurman, Colo. Filed July 20, 1925. Serial No. 44,864. 4 Claims. (Cl. 55—73.)

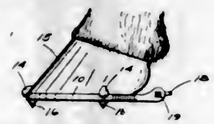


1. A disk harrow comprising a wheeled frame, a pair of sleeves journaled in the respective sides of the frame a draw bar having its respective ends fitted in the respective sleeves, a plurality of spindles secured at their forward ends on said draw bar at spaced intervals, sleeves rotatably mounted on the rear ends of the spindles, a disk secured on the lower end of each of said sleeves, an arm formed on one of said first mentioned sleeves and extending laterally therefrom, and a furrow wheel carried by the outer end of said arm, and means for actuating the draw bar for raising the disks and the furrow wheel out of engagement with the ground.

1,588,911. LAST. EMMA SIEBERT, NÉE RÜPRICH, MARTHA SIEBERT, and ALBERT SIEBERT, Magdeburg, Germany. Filed Feb. 11, 1925, Serial No. 8,569, and in Germany Feb. 20, 1924. 2 Claims. (Cl. 12—133.)

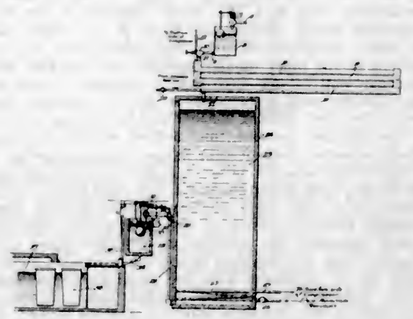
1. A last for boots in which the rear part stands in outward direction at an angle to the fore-part having the centre line of the rear part located so that it forms with the centre line of the fore-part an angle of approximately 10° and so that it intersects this centre line of the fore-part at a point which is situated approximately at the beginning of the last third of the length of the last counted from the toes.

1,588,912. HORSESHOE. MICHEAL SHAY, Oyen, Alberta, Canada. Filed Dec. 31, 1923. Serial No. 683,701. 1 Claim. (Cl. 168—19.)



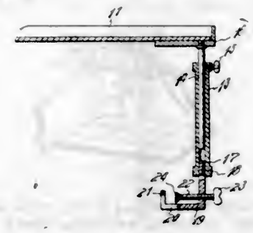
A horseshoe including arcuate shoe sections having overlapping ends, means for pivotally connecting said overlapping ends, adjustable hoof-clamping members carried by said shoe sections, means for drawing together said shoe sections and tightening the same on the hoof including a connecting rod having offset portions engaged through extensions on said shoe sections and calks carried by said shoe sections.

1,588,913. METHOD OF AND APPARATUS FOR FEEDING PRECOOLED WATER TO ICE PLANTS. THOMAS SHIPLEY, York, Pa. Filed Apr. 18, 1923. Serial No. 633,022. 11 Claims. (Cl. 62—172.)



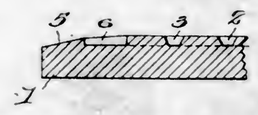
1. The method of producing ice which consists in drawing from a stored volume of water pre-cooled approximately to the freezing point batches of water permissibly varying in volume, but each substantially smaller than the stored volume; freezing the water so drawn; and maintaining the supply and temperature of the stored water by progressively adding water supplied at a substantially uniform initial temperature and rate and progressively withdrawing heat from such water at a substantially uniform rate.

1,588,914. TABLE. HARRY L. SMITH, Griggsville, Ill. Filed Oct. 16, 1923. Serial No. 668,911. 1 Claim. (Cl. 45—82.)



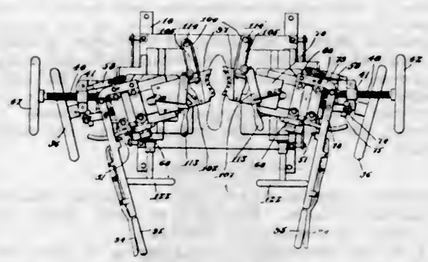
An adjustable support comprising a longitudinally adjustable standard, an attaching plate at one end thereof and threadedly engaging the standard, a clamp at the opposite end of the standard, said clamp comprising a substantially L-shaped member, a threaded shank extending from one arm of said member and threadedly engaging the opposite end of the standard, disposed divergent arms extending from the other arm of said member, right-angularly disposed lugs extending from the outer ends of the arms, an adjusting screw threaded through the first mentioned arm of the L-shaped member and spaced from and disposed centrally of the divergent arms and a clamping head carried by the screw.

1,588,915. PROCESS OF ORNAMENTATION. MARTIN J. SMITH, Columbus, Ohio. Filed Mar. 2, 1926. Serial No. 91,781. 3 Claims. (Cl. 41—39.)



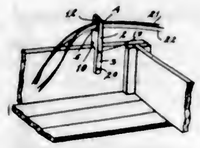
1. The step in the process of ornamentation which consists in pouring plastic material into a mold to form a mask, permitting the plastic material to set and shrink, and filling the mask with material to compensate for shrinkage.

1,588,916. LASTING MACHINE. CHARLES B. SPALSBURY, St. Louis, Mo., assignor to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 13, 1923. Serial No. 662,578. 2 Claims. (Cl. 12—12.)



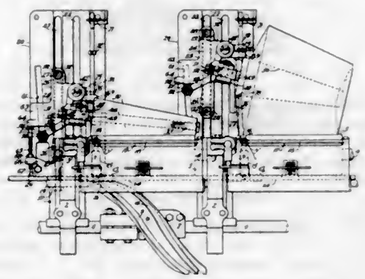
1. In an improved lasting machine, the combination of means for holding a shoe structure to be lasted, a plurality of side lasting devices, said lasting devices being located on either side of the shoe holding means, means for universally adjusting said side lasting means with respect to the shoe structure, and means associated with said side lasting means for trimming off excess leather from the shoe upper.

1,588,917. LINE HOLDER. CARL P. SYRSTAD, Blooming, Saskatchewan, Canada. Filed Apr. 28, 1925. Serial No. 26,563. 2 Claims. (Cl. 280—183.)



1. A line holder comprising a body piece provided with a downwardly extending attaching shank and an upwardly extending stationary jaw having a vertically extending row of teeth formed at its rear edge, a rotary jaw opposing the stationary jaw and provided with a downwardly extending pin rotatably mounted in the body piece aforesaid, a retaining key passing transversely through the body piece and engaged in a groove formed around the lower portion of said pin, the said rotary jaw presenting a vertical row of teeth opposing the former teeth in the closed position of the jaws and a guard carried by the rotary jaw and engageable with the base of the stationary jaw to limit the forward and reverse rotation of the rotary jaw.

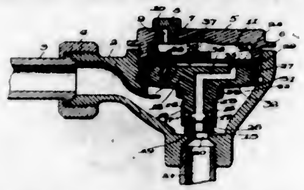
1,588,918. WINDING MACHINE. GEORGE N. TAYLOR, East Providence, R. I., assignor to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1924. Serial No. 742,469. 15 Claims. (Cl. 242—18.)



1. In a winding machine, the combination of a cone-holder, a drive-roll for rotating the cone wound on the holder, means for traversing the yarn on the holder, means for pivotally supporting the cone-holder to adapt it to tilt at an angle to the drive-roll and to move away therefrom, and means for positively tilting the cone-holder on its pivot to vary its angle of inclination to the drive-roll during its movement therefrom whereby to regulate the taper on the surface of the cone being wound.

1,588,919. STEAM TRAP. WILTON TELFER, Ninette, Manitoba, Canada. Filed Mar. 21, 1925. Serial No. 17,303. 12 Claims. (Cl. 236—54.)

1. A trap comprising a casing having an inlet port and a discharge port, a diaphragm dividing the casing into two chambers, said diaphragm having a restricted passage for placing the chambers in communication with each other, a plunger carried by the diaphragm, said plunger being provided with a passage connecting one chamber with the discharge port, the other chamber being in communication with the inlet port, a valve for controlling the communication between the first mentioned chamber and the passage in the plunger, a thermostatic element for automatically operating the valve for closing the passage in the plunger whereby the plunger is operated by the pressure of the steam in the



first mentioned chamber, and a valve carried by the plunger for controlling communication between the second chamber and the discharge port.

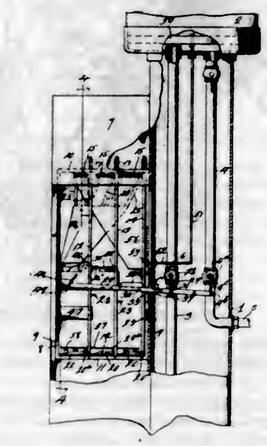
1,588,920. WELL TUBING. PAUL O. TRAHAN and FRANCIS M. KILE, Gueydan, La. Filed May 15, 1923. Serial No. 639,158. 1 Claim. (Cl. 166—5.)

A screening device for well tubing comprising an outer tubular member having the end portions thereof provided with screw threads whereby the outer tubular member may be attached to other tubular parts of the well tubing, an inner tubular member having an outer diameter considerably less than the inner diameter of the first mentioned tubular member and being of less length than the latter, flanges in threaded engagement with the end portions of the inner tubular member and engaging with the inner wall of the outer tubular member to hold the inner tubular member in adjusted spaced concentric relation to the outer tubular member and for closing the ends of the annular chamber thus defined within the outer tubular member, each of said flanges having a socket in its outer face adapted to be engaged by a suitable tool for turning said flange about its axis, said outer tubular member and said inner tubular member having longitudinally extending series of circumferentially extending narrow openings, the openings of adjacent series being staggered and the openings of the inner tubular member being out of alignment with the openings of the outer tubular member, said annular chamber being adapted to hold sand or like granular material, and set screws carried by the outer tubular member for engaging said flanges to hold the latter and the inner tubular member as a unit against movement longitudinally of the outer tubular member.

1,588,921. GASOLINE-VENDING MACHINE. ODE TURNER, Potter, Ark. Filed Aug. 10, 1925. Serial No. 49,484. 3 Claims. (Cl. 194—3.)

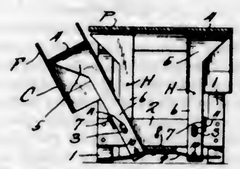
1. The combination with a control valve for a gasoline dispensing tank, spring means for normally maintaining

said valve closed, of a slidable frame, a plurality of rods rotatably mounted in said frame, a bar connected to the valve and longitudinally movable, coin controlled means for moving said bar to operative position, said rods being provided with locking pawls, said locking pawls cooperating with shoulders carried by the frame, arms



carried by said rods and registering with coin receiving slots, and adapted to be engaged by a coin for rotating said rods, pins carried by said rods and movable to positions in the path of the valve operating bar, and float controlled means whereby said frame may be moved upwardly upon a predetermined liquid level within the tank.

1,588,922. BOX-SEALING DEVICE. WILLIAM W. WADSWORTH, Tremonton, Utah. Filed Oct. 13, 1925. Serial No. 62,324. 2 Claims. (Cl. 93—36.)



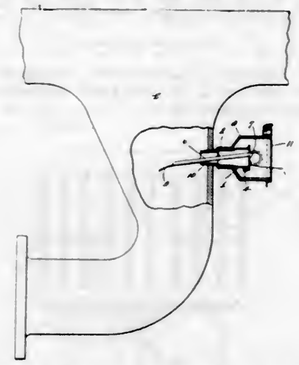
1. In combination with a platform, a carton holder comprising a table, depending plates carried by the sides of the table, arms extending from the plates, said arms having elongated openings, a member disposed through the openings in the arms to support the arms for swinging movement, said arms having lengthwise movement to the extent afforded by the openings, a cross member connecting the arms, and a spring contacting with said cross member from below for urging the arms upwardly.

1,588,923. CASE FOR SAFETY-RAZOR BLADES. WILFRID HENRY WELLS, Munich, Germany. Filed May 12, 1924, Serial No. 712,755, and in Germany May 16, 1923. 6 Claims. (Cl. 206—16.)

1. A case for safety razor blades comprising in combination a case composed of two parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, three studs on said plate over which holes of the razor blades are to be placed the middle of said studs being upwardly inclined so that when the top blade on the pile of blades is pushed upward the edge of the middle hole of said top blade ascends on the

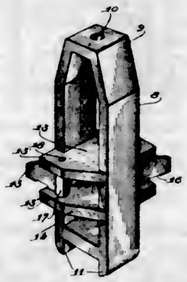
inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed.

1,588,924. AUTOMATIC AUXILIARY AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. JOHN B. WEST, Syracuse, N. Y. Filed July 26, 1924. Serial No. 728,482. 3 Claims. (Cl. 137—152.)



3. An automatic auxiliary air valve for internal combustion engines comprising a tubular body for connection in the intake system of the engine, a lid pivoted to the outer end of the body, a vane arranged beyond the inner end of the body, a stem connecting the vane and the lid and being rigidly connected to the lid whereby movement of the vane causes the lid to be moved outwardly on its pivot.

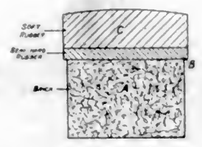
1,588,925. ICE-MAKING APPARATUS. ROY G. WHISLER, Fort Worth, Tex. Filed July 23, 1925. Serial No. 45,587. 12 Claims. (Cl. 62—157.)



1. A device of the character described comprising a frame, bearing means on said frame of a predetermined stress resisting quality, and catches movably mounted

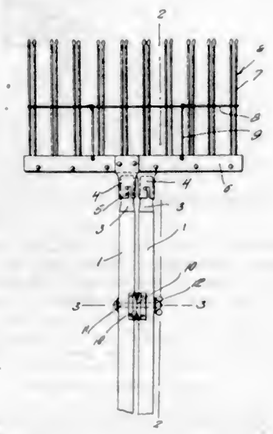
upon said bearing means, said catches possessing stress resisting qualities of a lesser degree than those of said bearing means.

1,588,926. RUBBER PAVING AND FLOORING BLOCK OR SLAB. WILLIAM A. WILLIAMS, Edinburgh, Scotland, assignor to The North British Rubber Company, Limited, Edinburgh, Scotland, a Company of Great Britain. Filed July 28, 1923, Serial No. 654,462, and in Great Britain July 18, 1923. 2 Claims. (Cl. 94—15.)



1. As a new article of manufacture, an earthen base block, and a layer of rubber superposed on a substantially plane face of said block and joined therewith by vulcanization, as and for the purpose described.

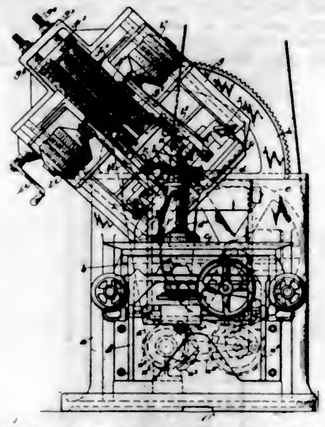
1,588,927. GARDEN IMPLEMENT. LUKE A. WILLIS, Orlando, Fla. Filed May 13, 1925. Serial No. 30,111. 1 Claim. (Cl. 294—53.)



Means for connecting a pair of implement handles together, wherein said handles are arranged in side-by-side crossed relation and are detachably connected at their outer ends with a pair of duplicate toothed heads disposed in opposed relation, said means comprising a pair of duplicate castings each including a wear compensating disc and an elongated channel, the discs being disposed in movable contact and the channels being arranged for reception of the handles, and a bolt passing through the handles and castings, said bolt being provided with a retaining nut.

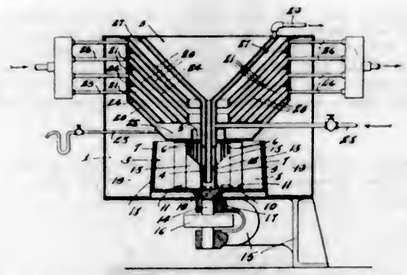
1,588,928. GEAR-GRINDING MACHINE. GOTTFRIED WIRRER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 26, 1924. Serial No. 715,806. 8 Claims. (Cl. 51—52.)

1. In a gear grinding machine in combination with a grinding element, a work carrying slide movable transversely across the grinding element, means to move the grinding element as well as the work relatively along the tooth line of the work, and means to adjust the



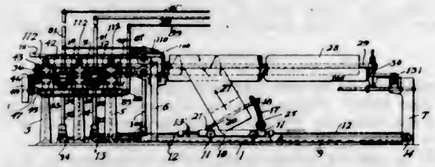
angular relation between the grinding element and work to vary the character of such line of movement.

1,588,929. APPARATUS FOR DEHYDRATING LIQUIDS. LUDWIG ALVINE ZOHE, Syracuse, N. Y. Filed Feb. 28, 1921. Serial No. 448,558. 4 Claims. (Cl. 159—4.)



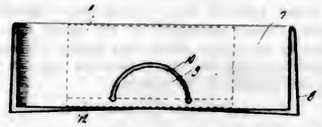
1. A dehydrating machine comprising a closed chamber for receiving a moisture absorbing gas, a fan in the chamber having an inlet for the liquid to be dehydrated, and for the gas, and arranged so that the liquid and the gas are thrown centrifugally therefrom, and a wall surrounding the fan and rotatable about the axis of the fan, and arranged in the path of the liquid and the gas thrown by the fan, whereby the liquid forms a film on the wall.

1,588,930. CARPET-WRAPPING MACHINE. ROBERT ASHMEAD and KARL R. HODGES, Indian Orchard, Mass., assignors to Hodges Carpet Company, Indian Orchard, Mass., a Corporation of Massachusetts. Filed Feb. 13, 1925. Serial No. 8,916. 15 Claims. (Cl. 93—5.)



1. In a winding machine, the combination of a main supporting frame, a rotatable member on which a length of the material is to be wound, a travelling carriage, means for operating the same, a rotatable member to receive a roll of the winding material and mounted on the carriage, means for supporting the rotatable member, means for varying the vertical angle of the supporting means of the roll, and connecting means between the rotatable member and the carriage for operating the member simultaneously with the travel of the carriage.

1,588,931. COLLAR. ERNEST R. BEASLEY, Aberdeen, Wash. Filed July 5, 1921. Serial No. 482,378. 1 Claim. (Cl. 2—139.)



A collar consisting of a piece of material folded upon itself to form inner and outer folds, said inner fold having an extra ply of material on a portion of its inner face, said inner fold and extra ply being provided with an incision therein to provide an upwardly extending tongue, the opposite ends of the incision being arranged adjacent the lower edge of the inner fold; a relatively narrow reinforcing strip arranged along the lower edge of the inner fold between the same and the extra ply of material to form a ridge between the outer fold and said extra ply and to retain the part of the extra ply above the strip spaced from the outer fold of the collar when the same is in use, said reinforcing strip having cut-out portions to align and communicate with the ends of the incision; and stitching around the incision and the cut-out portions and extending through the reinforcing strip, the inner fold and the extra ply of material.

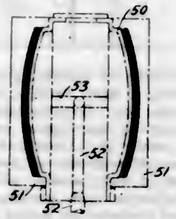
1,588,932. ART AND APPARATUS FOR WARFARE. ROBERT S. BLAIR, Stamford, Conn. Filed May 29, 1924. Serial No. 716,614. 24 Claims. (Cl. 114—21.)

1. In apparatus of the character described, in combination, a torpedo, means for propelling said torpedo, means responsive to sound vibrations adapted to control the direction of movement of said torpedo, and means adapted intermittently to render ineffective said propelling means during movement of said torpedo.

4. In apparatus of the character described, in combination, a torpedo, means for anchoring said torpedo, and automatic means adapted to cause said torpedo at anchorage to point toward a target.

15. In apparatus of the general nature of that herein described, in combination, a diaphragm adapted to be exposed to sound vibrations and responsive thereto, an electric circuit, and mechanical means actuated by vibrations of said diaphragm adapted to close said circuit.

1,588,933. CONTAINER. ROBERT S. BOLGER, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,302. 27 Claims. (Cl. 93—81.)

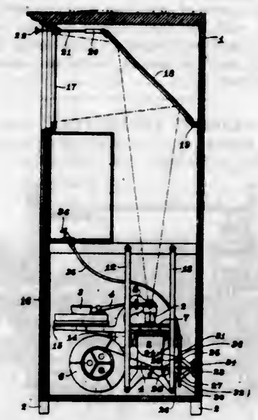


1. The method of forming a body of desired formation, comprising adhesively coating a blank of sheet material, winding said blank upon itself to form a tube and expanding said tube under compacting pressure before said adhesive has set to form a body of desired formation.

1,588,934. VEHICLE WHEEL. WILLIAM N. BOOTH, Detroit, Mich. Filed Nov. 24, 1919. Serial No. 340,267. 7 Claims. (Cl. 301—67.)

7. In a wheel having wooden tenoned spokes each with an annular shoulder surrounding the tenon symmetrically arranged with respect to the longitudinal axis of the spoke, an annular metallic fixed rim formed of slightly resilient material and having annular flanged portions extending away from the axis of the wheel for receiving the spoke tenons and embossed portions surrounding the annular flanged portions and extending toward the axis of the wheel, each embossed portion presenting a face disposed beyond its respective annular flanged portion on all sides thereof and symmetrically arranged with respect to the axis of the annular flanged portion for the continuous contact over an extended area with the spoke shoulder and having a tight fit therewith, said embossed portions and annular flanged portions cooperating to form trusses.

1,588,935. MOVING-PICTURE APPARATUS. AUSTIN D. BRIXEY, Greenwich, Conn., assignor to The Replitura Corporation, a Corporation of New York. Filed July 18, 1919, Serial No. 311,717. Renewed Oct. 23, 1925. 5 Claims. (Cl. 88—24.)

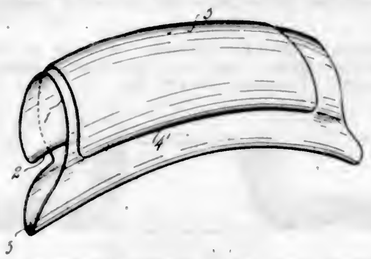


1. The combination with a cabinet of a picture screen thereon and a projector therein, said projector and screen being relatively adjustable transversely to the projected light rays.

1,588,936. TIRE SHIELD. JAMES H. BURROW, Spokane, Wash. Filed Aug. 3, 1925. Serial No. 47,787. 2 Claims. (Cl. 152—24.)

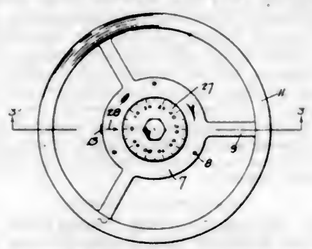
1. A shield comprising an inner wrap having a thickened body and a thin free edge, an anchoring portion of

thin material at the inner side of the shield and a thin outer wrap having an outer free edge, and an exterior



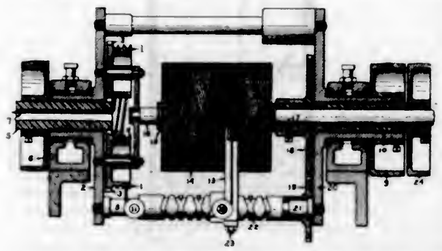
cushion of resilient material on the outer portion of the outer wrap.

1,588,937. STEERING-WHEEL AUTOMOBILE LOCK. ANDREW B. BURT, Mill Valley, Calif. Filed Aug. 18, 1921. Serial No. 493,286. 2 Claims. (Cl. 70—129.)



2. An automobile steering wheel comprising a collar adapted for rigid connection to the steering rod, a hand rim rotatably mounted on said collar, a radially movable bolt for connecting said rim for rotation with said collar and mounted for movement with said rim, tumbler rings normally free of said bolt for preventing operative movement of said bolt, and means on said tumbler rings engageable by said bolt separately and collectively whereby said rings may be moved to permit operative movement of said bolt.

1,588,938. WINDING APPARATUS. JAMES BIRDSALL CALKINS, Ithaca, N. Y. Filed Oct. 3, 1924. Serial No. 741,380. 3 Claims. (Cl. 118—53.)

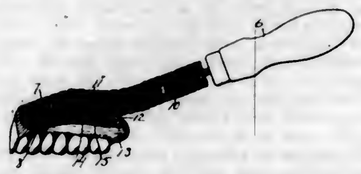


1. In a winding apparatus, the combination with the flyers of such an apparatus including opposite heads, and flyer arms connecting the heads, of a receiving element about which a coil is adapted to be wound, a sleeve mounted upon one of the flyer arms and freely rotatable about said arm and formed with a traverse screw, a gear concentric with the sleeve and connected to the sleeve for driving the latter, a second gear rotating with the receiving element and adapted to drive the first-named gear, and a laying device movable transversely of the receiving element at a speed dependent upon the speed of rotation of the traverse screw.

1,588,939. RAIL JOINT. CAREY E. CARTER, Portsmouth, Ohio. Filed Mar. 1, 1926. Serial No. 91,498. 5 Claims. (Cl. 238—218.)

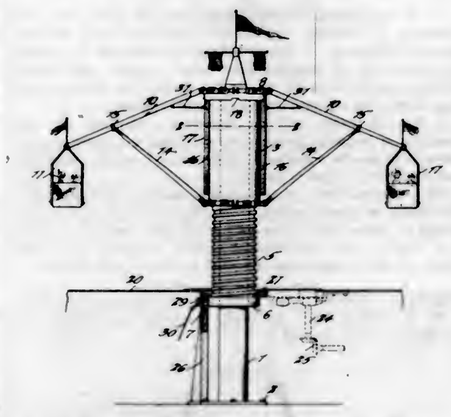
1. In a rail joint, a fish plate having a groove in the upper edge thereof provided at its outer side with a longitudinally extending recess, the bottom of said groove being slanted, a bar having a slanting bottom edge for engaging the bottom of the groove.

1,588,940. DENTAL PLATE BRUSH. HENRY CAVE, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 30, 1925. Serial No. 5,769. 2 Claims. (Cl. 15—206.)



1. In a dental plate brush, a twisted bristle carrying core formed with a substantially closed circular loop portion, the end portions of the bristle carrying core being arranged substantially parallel, the bristles carried by the end portions being disposed in contacting relation and a handle attached to the termini of the end portions.

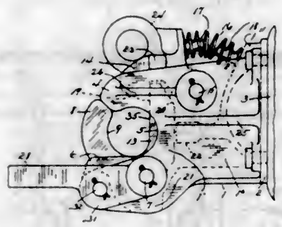
1,588,941. AMUSEMENT DEVICE. FRANK CHAPMAN, Brooklyn, N. Y. Filed Dec. 23, 1925. Serial No. 77,339. 8 Claims. (Cl. 272—7.)



1. An amusement device simulating an umbrella structure and comprising a fixed shaft, a sleeve slidable on the shaft, passenger car carrying arms pivotally and rotatably connected to the upper end of the shaft, a driving gear, means for holding the sleeve against rotative movement throughout a predetermined longitudinal movement of such sleeve, said holding means being released following such predetermined movement of the sleeve, and cooperative means on the gear and sleeve to cause a rotative movement of the gear to compel a longitudinal movement of the sleeve during effective

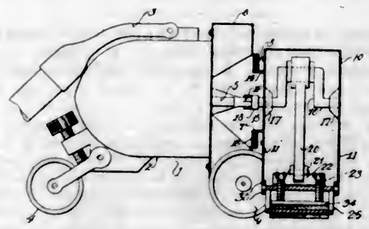
action of said holding means, said cooperative means locking the sleeve and gear for rotative movement of the sleeve in the operation of the gear following the release of the holding means.

1,588,942. AUTOMATIC COUPLER FOR VEHICLES. JAMES HARRY CLARK, River Rouge, Mich. Filed Feb. 26, 1923. Serial No. 621,446. 11 Claims. (Cl. 280—33.15.)



1. In a coupler, the combination with a stationary jaw, a head carrying said jaw and a movable jaw adapted to cooperate with said stationary jaw to connect said coupler to one member, means for automatically locking said movable jaw in co-operative position, and a member movable upon said head independently of the jaw aforesaid and adapted to form a draft connection to another member.

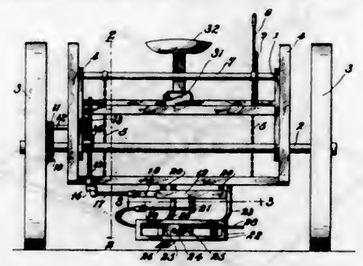
1,588,943. FLOOR POLISHER. JOHN FREDERICK CLARK, Los Angeles, Calif. Filed July 17, 1922. Serial No. 575,494. 1 Claim. (Cl. 15—98.)



A floor polishing attachment for a vacuum cleaner comprising a casing attachable to the body of the cleaner, said casing being open at its lower end, a horizontally reciprocable frame supported in the lower end of casing, a polishing element covering the lower face of the frame for engagement with the surface on which the cleaner is supported, a crank shaft extending transversely of the casing in the upper part of the latter and extending at one end into said body of said vacuum cleaner for connection with a source of power within the latter, and a pitman connecting said crank shaft and said frame, said pitman being inclined in respect to the perpendicular at all times.

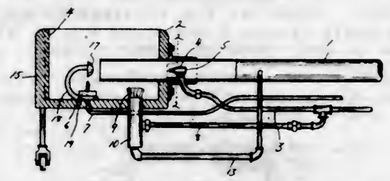
1,588,944. COTTON CHOPPER. JAMES COLTHARP, Blue Mountain, Miss. Filed Sept. 1, 1923. Serial No. 660,554. 1 Claim. (Cl. 97—18.)

A cotton chopper comprising an axle, ground contacting wheels fixedly secured to the ends of the axle, vertical guide members journalled on the axle one adjacent each end, means for spacing said guide members, yoke members slidable one on each of said guide members, means connecting said yoke members, means for raising and lowering said yoke members in unison, arcuate concentric track members supported by said yoke members, a roller shaft positioned radially between said track members, blades resiliently secured in oblique relation to the ground, upon the roller shaft, and means operated



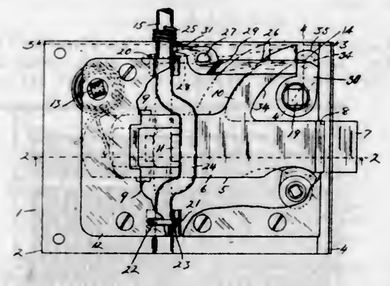
by rotation of the axle and effective in any adjusted position of the yoke members for reciprocating the roller shaft on said arcuate tracks substantially as specified.

1,588,945. OIL BURNER. JOHN B. DAILEY, Dearborn, Mich., assignor to Fred E. Holmes, Detroit, Mich. Filed Feb. 6, 1923. Serial No. 617,381. 3 Claims. (Cl. 158—28.)



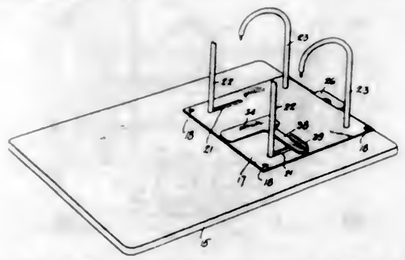
1. In a heating apparatus, the combination with an oil burner bowl, of a conduit for supplying oil to said bowl, an ignition burner for said bowl, an auxiliary oil burning pilot located beneath said conduit remote from its discharge point and constantly burning within said bowl, and a conduit leading from the conduit aforesaid to a fitting beneath said last-mentioned pilot for supplying oil to it.

1,588,946. DOOR LATCH. WILLIAM C. DEVEREAUX, Detroit, Mich. Filed Dec. 8, 1924. Serial No. 754,684. 8 Claims. (Cl. 292—169.)



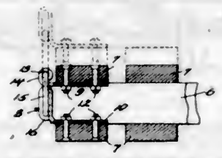
1. In a door lock, the combination with a case plate, a cover plate therefor, and a locking bolt having an extension movable between said plates, of means for retracting the bolt including a roll back having an end portion engageable with the extension, said roll back having a lateral projection, and means for dogging the roll back including a member pivoted on one of said plates engageable with said lateral projection.

1,588,947. FILING DEVICE. WINFIELD L. DINSMOOR, Pasadena, Calif., assignor to California Arch File Corporation, Pasadena, Calif., a Corporation of California. Filed Dec. 5, 1923. Serial No. 678,712. 10 Claims. (Cl. 129—9).



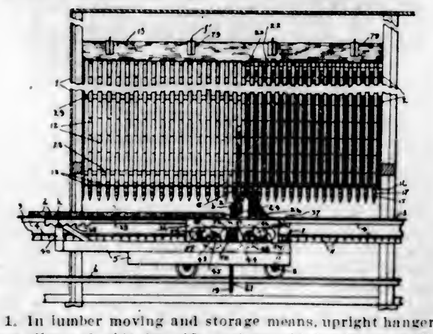
1. A filing device comprising a support, a filing arch thereon including a fixed spindle and a movable spindle, a slide on the support carrying the movable spindle, a pivoted latch carried by the slide and adapted to engage the support to hold the slide with the spindles separated, yieldable means tending to swing the latch in a direction to effect engagement with said support, and an extension on the slide which is slotted and adapted to extend beyond the support for the purpose described.

1,588,948. CONNECTER FOR VENTILATING RACKS OR TRAYS. EDWARD A. DOWNEY, Del Ray, Va. Filed Mar. 6, 1925. Serial No. 13,655. 9 Claims. (Cl. 16—163.)



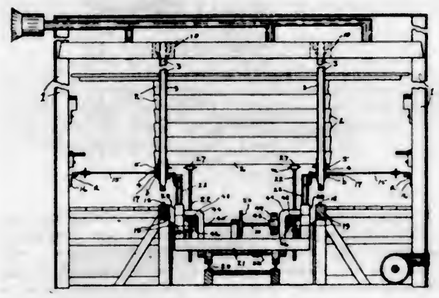
1. A device of the class described comprising a pair of panels adapted to be disposed in horizontal alignment, rigid hinge elements secured to the panels, a rigid connecting member, and means for pivotally uniting the connecting member with each of the hinge elements, one of the last specified means being so constructed as to permit the panels to be folded together back to back or face to face, all portions of the hinge elements and the connecting member being housed between the panels and being located entirely below the upper surface of the panels when the panels are in alignment and in the same horizontal plane.

1,588,949. MEANS FOR MOVING AND STORING LUMBER. ROBERT Z. DRAKE, Omaha, Nebr. Filed Apr. 5, 1924. Serial No. 704,458. 43 Claims. (Cl. 214—16.)



1. In lumber moving and storage means, upright hanger-bars disposed side by side and provided with metallic reinforcing-strips, brackets on the reinforcing-strips having apertured projections, an upright movable carrier below the hanger-bars for moving lumber between said hanger-bars above the apertured projections of the brackets, and a plurality of tie-bars engaging in the apertures of the projections for maintaining the hanger-bars equidistant from each other.

1,588,950. LUMBER-UNLOADING MECHANISM FOR SEASONING HOUSES. ROBERT Z. DRAKE, Omaha, Nebr. Filed June 13, 1924. Serial No. 719,732. 20 Claims. (Cl. 214—16.)

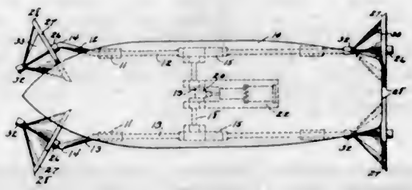


1. In unloading mechanism for vertical lumber sections formed between hanger-bars disposed side by side, a movable carrier, unloader-blocks below the hanger-bars in the plane of a lumber section, means for moving upwardly into engagement with the lumber of a section and then moving downwardly for conducting lumber to the unloader-blocks for a delivery thereof to the movable carrier.

1,588,951. PRINTING OF FABRICS AND ARTICLES. CAMILLE DREYFUS, New York, N. Y., assignor to The American Cellulose & Chemical Manufacturing Company, Ltd., New York, N. Y. Filed Sept. 20, 1924. Serial No. 738,947. 11 Claims. (Cl. 41—41.)

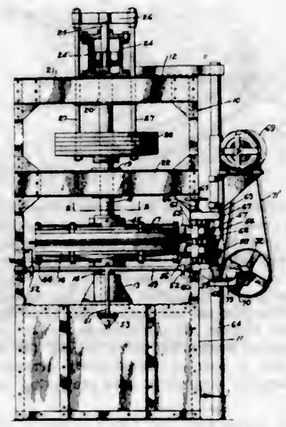
1. A process for the printing of mixed fabrics containing fibers of a cellulose derivative consisting in applying to portions of the fabric the mixture of a solvent for the cellulose derivative, an inert powder and a thickening agent, allowing this mixture to remain in contact with the fabric at a temperature below 125° C. until at least a part of the cellulose derivative fibers are removable by washing with water.

1,588,952. PROPELLER. FRANK DURE, Moose Jaw, Saskatchewan, Canada. Filed Sept. 25, 1925. Serial No. 58,673. 4 Claims. (Cl. 115—31.)



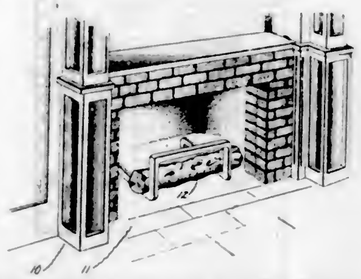
1. In propelling mechanism for vessels, a shaft extending longitudinally of the hull of a vessel, means for imparting longitudinal movement to the shaft, propellers mounted on opposite ends of the shaft, a second longitudinal shaft, and propellers carried by the opposite ends thereof, and means for reciprocating the second shaft with that first named, those portions of the forward ends of the shafts mounting the propellers being in converging relation.

1,588,953. MACHINE FOR MAKING FILTER-PRESS LEAVES. LOUIS LAKE EDMUNDS, Crockett, Calif. Filed Apr. 13, 1925. Serial No. 22,712. 7 Claims. (Cl. 140—109.)



1. In a device of the character described, a pair of members between which a flat sheet of material may be placed, means for exerting pressure on said members to tightly hold said sheet of material, and means forming a part of each of said members acting to stretch said material in all directions from the center thereof and in the plane thereof.

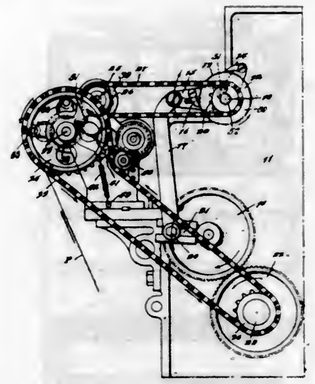
1,588,954. ANDIRON. RICHARD S. EMMET, Schenectady, N. Y. Filed Apr. 15, 1926. Serial No. 102,297. 2 Claims. (Cl. 126—298.)



1. An andiron comprising a single continuous piece of material which provides two legs having depending feet at their rear ends, the forward ends being adapted to rest directly on a floor, two vertical arms projecting upwardly from the forward ends of said legs, and a cross bar connecting the upper ends of said arms.

1,588,955. PAPER FEED AND PRINTING MECHANISM FOR CIGARETTE MACHINES, ETC. ALEXANDER LEE EWERS, Lynchburg, Va., assignor to United Cigarette Machine Company, Lynchburg, Va., a Corporation of Virginia. Filed June 26, 1924. Serial No. 722,478. 9 Claims. (Cl. 101—228.)

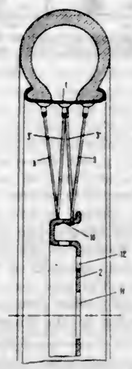
1. Strip feed and printing mechanism comprising means for intermittently feeding a continuous strip of sheet material with speed varying continuously during each advance from zero to maximum and back to zero; a rotary printing element, means for rotating the printing element to the approximate point of printing contact at a relatively slow rate and means driven from the strip feeding means and then acting to accelerate the printing element and move it at strip speed during the period of printing contact.



1,588,956. TREATMENT OF CLAY. WILLIAM FELDENHEIMER, London, England. Filed June 16, 1925, Serial No. 37,467, and in Great Britain Aug. 7, 1924. 12 Claims. (Cl. 252—8.)

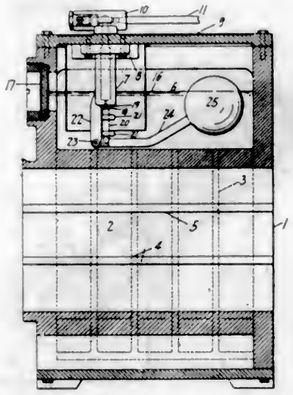
1. The process for the treatment of clay which comprises subjecting the clay in aqueous suspension to the action of a plurality of bleaching agents the cooperative effect of which is greater than the sum of their individual effects.

1,588,957. WIRE-SPOKE WHEEL. EDOARDO FERRABINO, Turin, Italy. Filed May 19, 1923, Serial No. 640,113, and in Italy May 30, 1922. 3 Claims. (Cl. 301—56.)



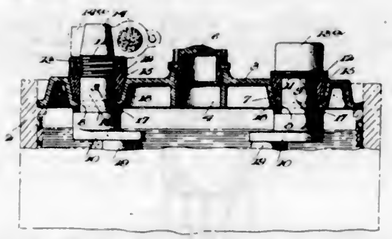
2. A wire spoke wheel, comprising, a hub, a rim, spokes interconnecting said hub and rim, said spokes forming two lateral rows attached to said hub along lines which are nearer to each other than the distance between rows of attaching points of said spokes in said rim, and other spoke rows attached at the edges of the attaching zone in one member, and at the middle of the attaching zone in the other member.

1,588,958. REFRIGERATING UNIT. CARL F. GEIGER and FREDERICK C. GEILER, Dayton, Ohio, assignors to Iceola Corporation, Dayton, Ohio, a Corporation of Indiana. Filed June 17, 1922. Serial No. 568,970. 11 Claims. (Cl. 62—95.)



11. A refrigerating unit comprised of an integral aluminum structure having side portions composed of a plurality of upright walls with refrigerant chambers between them separated by upright ribs, and having transverse walls between which such refrigerant chambers extend, the upper portion of the structure forming a refrigerant tank and the upright and transverse portions enclosing an open ended freezing chamber adapted to receive removable drawers; such structure forming a mass of metal which cooperates with the refrigerating agent to aid in maintaining the required low temperature.

1,588,959. STORAGE BATTERY. E. GREGG, Claremore, Okla. Filed Dec. 13, 1923. Serial No. 680,550. 2 Claims. (Cl. 136—168.)



1. In a storage battery cell, the combination of a cover having a depressed pocket and an aperture at the bottom of said pocket adapted to receive the post of a pillar strap, a compressible gasket in the pocket surrounding the post and projecting beyond the outer surface of the cover, a compressible washer on the post, said post being provided with a shoulder adapted to receive the washer, and means for locking the post to the cover and compressing the gasket and washer into sealing relation with the post and the opening in the cover.

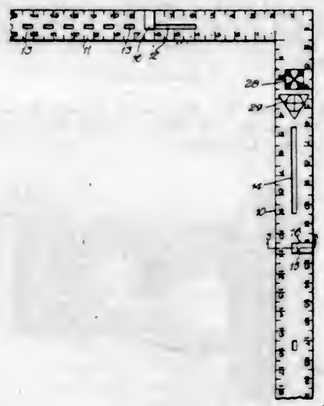
1,588,960. INDIGO DYESTUFF. SAILENDRA N. GUPTA, San Francisco, Calif. Filed May 10, 1924. Serial No. 712,457. 3 Claims. (Cl. 260—48.)

1. A step in the production of indigo from aniline comprising oxidizing aniline in acid solution to produce chromophore blue having the formula

1,588,961. MOTOR-VEHICLE BUMPER. BENNIE P. HANSON, Cedar Falls, Iowa, assignor to Edward L. Moore, Waterloo, Iowa. Filed Mar. 29, 1926. Serial No. 98,192. 10 Claims. (Cl. 293—55.)

1. In combination with a vehicle frame having a side bar and a cross bar terminally placed thereacross spaced from one end thereof, of a bumper support mounted longitudinally along the side bar, means for separately fastening said bumper support, side bar and cross bar rigidly together at the inner end of the bumper support, an upstanding lug on the support for securing the other part of the support to the vehicle frame, said bumper support having projecting parts beyond the end of said side bar and a pair of transversely arranged resilient bumper elements secured to said projecting parts.

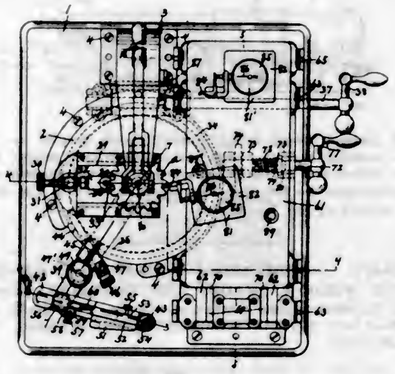
1,588,962. STEEL SQUARE. HENRY A. HARRISON, Jamestown, N. Dak. Filed Aug. 4, 1924. Serial No. 730,029. 4 Claims. (Cl. 33—113.)



1. A square having a blade and a tongue scaled to inches and fractions of inches, the blade representing horizontal measurement having formed therein an elongated recess extending between the 6 and 10 inch scale divisions, and the tongue representing vertical height having formed therein an elongated recess extending between the 6 and 8 inch scale divisions, the blade and tongue each formed with additional recesses in alinement with the elongated recess of the member, and gauge-blocks adjustable in the recesses of the blade and tongue to the scale representing the horizontal measurement and scale representing the vertical height, respectively, for the treads and risers for steps.

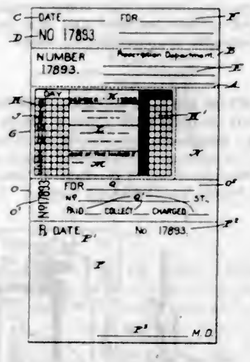
1,588,963. GEAR-TESTING APPARATUS. CLARENCE J. HARTER, Shrewsbury, Mass. Filed July 18, 1923. Serial No. 652,275. 14 Claims. (Cl. 73—51.)

1. In an apparatus for testing the accuracy of gear teeth, a rotary gear supporting arbor, a surface plate, a dial indicator movable by hand across and upon the suface plate and provided with a contact member for



contact with the tooth under test, and means for adjusting said gear rotarily one tooth space at a time to bring its individual teeth to a certain testing position.

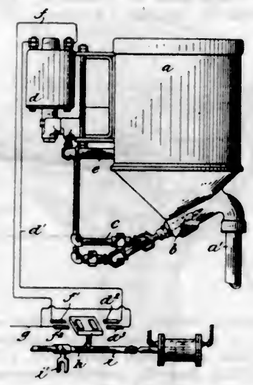
1,588,964. COMBINED LABEL AND PRESCRIPTION BLANK. JOHN B. HUTCHINS, Atlanta, Ga. Filed May 5, 1922. Serial No. 558,565. Renewed Nov. 15, 1924. 4 Claims. (Cl. 283—21.)



1. A combined label and prescription blank consisting of a strip divided to provide a druggist's ticket, a label to be attached to the bottle or box containing the medicine, a purchaser's ticket, and a prescription blank, said tickets, label and prescription blank carrying the same record and information.

1,588,965. CONTROL DEVICE FOR SANDERS. LYMAN C. JOSEPHS, Jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1924. Serial No. 745,740. 4 Claims. (Cl. 291—5.)

1. In a vehicle, in combination with a plurality of sanders, electro-responsive devices to control the operation of the respective sanders and selective devices independent of the power control means and associated



with the directional control mechanism for the vehicle to control the circuits of said electro-responsive devices.

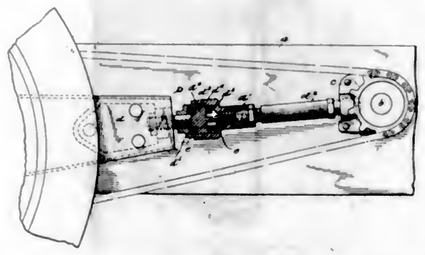
1,588,966. PORTABLE HYDRAULIC JACK. LARNED T. KIMMERLE and DANIEL S. KIMMERLE, San Francisco, Calif. Filed Oct. 27, 1924. Serial No. 746,216. 11 Claims. (Cl. 138—9.)

1. In a hydraulic jack of the character described, a jack cylinder, an oil reservoir adjacent the same, a pair of plungers mounted in the cylinder, said plungers telescoping with relation to each other and the cylinder, means for transferring oil under pressure from the reservoir to the cylinder to elevate the plungers in unison, and means for automatically by-passing oil which leaks by the plungers back to the reservoir when they reach maximum elevation.

1,588,967. SAFETY PIN. JOSEPH J. KRAMER, New York, N. Y. Filed July 17, 1925. Serial No. 44,271. 4 Claims. (Cl. 24—158.)

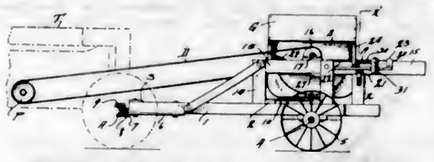
1. A safety pin having a latch or lock comprising a pair of connected wings movable along the back of the said pin and adapted to interlock with the safety pin sheath and engage the pointed end of said pin when in said sheath, and means formed in the back of said pin for limiting the movement of said pin lock.

1,588,968. NONMETALLIC CONNECTION FOR RADIUS RODS. AUGUST H. LEIPERT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 11, 1923. Serial No. 662,038. 3 Claims. (Cl. 267—67.)



1. In a motor vehicle, in combination with the axle and frame, a positive mechanical connection therebetween including a sectional radius rod, a block of nonmetallic yielding material interposed between said sections and means carried by the sections to support the block.

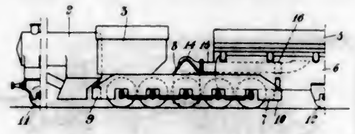
1,588,969. SAWING OUTFIT. ANDREW J. LEMMER, Rolling Stone, Minn. Filed Apr. 28, 1925. Serial No. 26,426. 2 Claims. (Cl. 143—52.)



1. A sawing outfit comprising, in combination, a supporting structure including a beam, a saw shaft rotatably mounted upon said structure and extending outwardly beyond the beam, a saw carried by said outer portion of the shaft, guide members supported by the structure at opposite sides of the beam, a pair of parallel beams positioned at opposite sides of the first named beam and supported by and movable over the guide members, said parallel beams being arranged below the shaft, an upstanding bracket connected to the parallel beams, said bracket being substantially in the form of an inverted U and of a height to pass over the saw as the parallel beams are moved relative to the saw, a second upstanding bracket carried by one of the parallel beams and also substantially in the form of an inverted U, one of the side arms of said second bracket being shorter than the other, the long arm of said second bracket being directly connected to a parallel beam, a short arm pivotally connected to the second parallel beam, means for connecting said short arm when in a raised position to the free end portion of the short arm of the second bracket, said short arm when lowered permitting the second named bracket to pass over the shaft, and a guard secured to the brackets, said guard including an outer side plate terminating below the saw and an inner side plate terminating above the shaft.

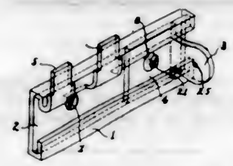
1,588,970. LOCOMOTIVE COMPRISING TWO CARS. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignors to Aktieholaget Ljungstroms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 3, 1922, Serial No. 579,547, and in Sweden Mar. 24, 1922. 3 Claims. (Cl. 105—38.)

1. A locomotive comprising two connected vehicles in which the leading vehicle carries the boiler and the trailing vehicle a condenser pertaining to said locomotive, at least one pair of the rear wheels of the leading vehicle, being embodied together with at least one pair of the front wheels of the trailing vehicle in a common bogie,



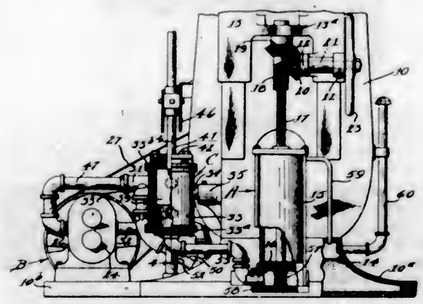
said common bogie being movable with respect to the two vehicles carried thereby and carrying a steam turbine device and a toothed gearing connected thereto and transmitting motion from the steam turbine to the driving wheels of the locomotive.

1,588,971. COMBINATION ADJUSTABLE HANGER FOR WINDOW SHADES AND CURTAINS. HEBER D. LUKENBILL and EMERY A. CROWL, Springfield, Ill. Filed Nov. 8, 1924. Serial No. 748,586. 1 Claim. (Cl. 156—24.)



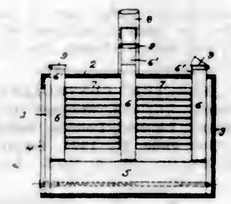
In a combination adjustable hanger for window shades and curtains of the character described a horizontally disposed bracket comprising side flanges forming a channel in the bracket; and a pair of integral outwardly extending up-turned mounting lugs on one of said flanges for curtain rod mountings; said channel of the bracket adapted to provide horizontally slidable support for window blind and curtain brackets and said projecting lugs adapted to normally support curtain rods.

1,588,972. HYDRAULIC FEEDING MECHANISM FOR MORTISING MACHINES. MIKE MACHACEK, Northfield, Minn., assignor of one-fourth to Oliver Machacek, one-fourth to George J. Machacek, and one-fourth to Frank J. Melouneck, all of Northfield, Minn. Filed Apr. 22, 1925. Serial No. 25,009. 7 Claims. (Cl. 138—16.)



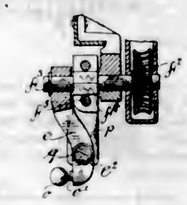
5. The combination with a movable feed member, of a fluid operated ram associated therewith for actuating the same, means for supplying fluid under pressure, a control valve including a valve housing and valve head movable therein, means for shifting said valve head in said housing, a fluid supply pipe leading to said housing, a valved outlet associated with said pipe, a combination feed and drain pipe connecting said housing and ram, said housing having an egress port therein and said valve head adapted alternately to obstruct the ingress of fluid to the housing through the feed pipe and the escape of fluid from the housing through said egress port.

1,588,973. DRYING AND ENAMELING OVEN. ARTHUR MAEHLER, Chicago, Ill. Filed Feb. 8, 1926. Serial No. 86,734. 4 Claims. (Cl. 34—19.)



1. In a drying and enameling oven of the type described, the combination of an oven structure, indirect heating means arranged in the oven chamber, and having heat radiating headers, said headers having portions extending outside the oven chamber, and blow-out means arranged in said portions adapted to afford relief in an explosion in said headers.

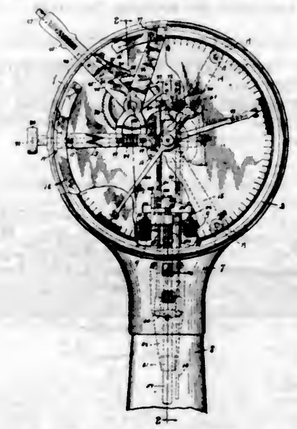
1,588,974. STEERING CONNECTION FOR MOTOR VEHICLES. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1922. Serial No. 596,738. 1 Claim. (Cl. 74—79.)



In a steering connection for motor vehicles, in combination with a steering post and drag link, an oscillating steering shaft connected operatively with the steering post, a bifurcated member rigidly attached to said steering shaft, seats formed on the opposed faces of each branch thereof, an arm loosely mounted on the shaft and having its lower end connected with the drag link, the lower end of said arm curved to extend between the branches of the bifurcated member, seats formed upon the arm, and cushioning elements of yielding non-metallic material operatively interposed under internal static pressure between the seats on the first named arm and the bifurcated member.

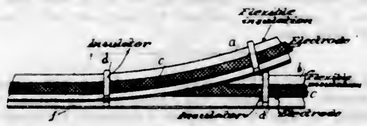
1,588,975. SCALE. JOHN C. MATHEWS, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 11, 1922. Serial No. 587,386. 13 Claims. (Cl. 265—68.)

1. In a scale, a pair of alined circular charts, a weight indicator and a tare indicator mounted to turn over each chart on a common axis, a shaft to which the weight indicators are attached, supporting devices for the tare indicators co-axial with said shaft but independent thereof, gearing operatively connecting the



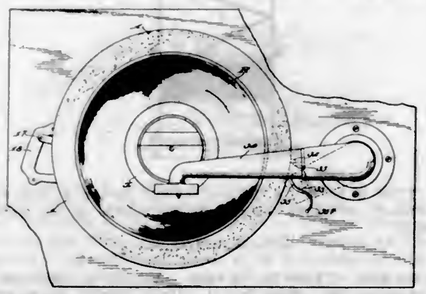
tare indicators, weight resisting means, a movable support therefor, and a connection between the support and the tare indicators.

1,588,976. ELECTRICAL APPARATUS FOR GENERATING OZONE. JAMES MCBLAIN, London, England. Filed Apr. 12, 1924, Serial No. 706,048, and in Great Britain Apr. 24, 1923. 6 Claims. (Cl. 204—32.)



1. Electrical apparatus for generating ozone comprising the combination with a plurality of metallic electrodes of a plurality of dielectrics comprising bands of insulating material upon which said electrodes are mounted, and means for providing the necessary air gaps between said electrodes and dielectrics that are wound upon one another in the form of a convolute.

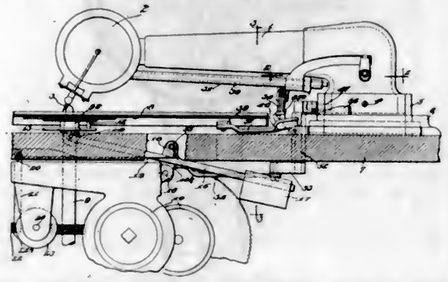
1,588,977. AUTOMATIC STOP AND BRAKE MECHANISM FOR SOUND-REPRODUCING MACHINES. JOHN C. MCPHAIL, South Weymouth, Mass., assignor to Frank H. Thayer, Boston, Mass. Filed June 17, 1924. Serial No. 720,527. 3 Claims. (Cl. 192—120.)



1. The combination with a turn-table and tone arm, an electric motor for operating the turn-table and a brake, of mechanism for de-energizing the motor as the

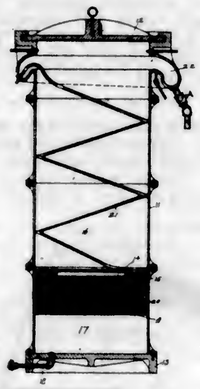
playing of a record is finished and for thereafter applying said brake, said mechanism embodying a trip device actuated by said tone arm and means receiving impulse from the turn-table for applying the brake.

1,588,978. AUTOMATIC STOP DEVICE FOR SOUND-REPRODUCING APPARATUS. JOHN C. MCPHAIL, South Weymouth, Mass., assignor to Frank H. Thayer, Boston, Mass. Filed June 17, 1924. Serial No. 720,528. 6 Claims. (Cl. 192—124.)



1. The combination with the tone arm and turn table of a sound reproducing apparatus, of a brake device having connections to be rendered inoperative by the weight of a record deposited on said turn table, a second brake device equipped with connections under the control of the tone arm to be rendered operative thereby as the playing of a record is completed, means for resetting said second brake device as the tone arm is swung outward, and means for restoring said first brake device to operative position by such outward swinging of the tone arm.

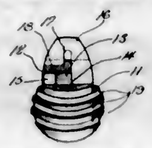
1,588,979. HEATER. GEORGE J. MEAD and GEORGE L. MATHER, Milwaukee, Wis., assignors, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 1, 1921. Serial No. 474,214. 7 Claims. (Cl. 18—17.)



1. In a heater, a flexible conduit having a free end adjacent the plane occupied by the bottom of the lowest mold.

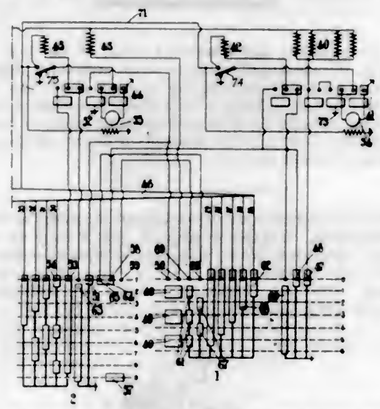
1,588,980. UTENSIL GUARD. ARTHUR R. MITCHELL, Chicago, Ill. Filed Dec. 14, 1925. Serial No. 75,407. 6 Claims. (Cl. 53—3.)

1. A handle protector of the character described having a portion adapted to be detachably connected to a handle and another portion arranged at an angle thereto to serve as a heat deflector, the first mentioned portion having a vertical slot therein and a transverse



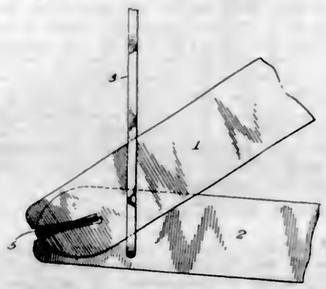
slot leading therefrom to the edge of said portion to afford means for the ready attachment of the protector to the handle, and means closing the transverse slot.

1,588,981. ELECTRIC CONTROLLER. FREDERICK MORRIS, London, England, assignor to The English Electric Company, Limited, London, England, a British Company. Filed June 17, 1924, Serial No. 720,667, and in Great Britain July 4, 1923. 12 Claims. (Cl. 172—179.)



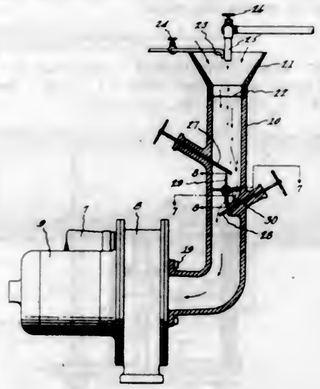
1. An electric control system for motors comprising a master switch, a plurality of motor means controlled by said switch, a multi-step secondary switch operated by each of said motor means and interlocking means determining the sequence of operation of the steps of the said secondary switches.

1,588,982. SHEARS. CLARENCE E. NORTON, Guilford, Conn., assignor of one-half to Robert G. Mitchell, Mount Vernon, N. Y. Filed Sept. 16, 1925. Serial No. 56,586. 2 Claims. (Cl. 30—17.)



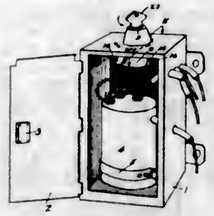
1. A cutting tool comprising two independent blades, each of the same having a slot in one end thereof forming complementary cutting edges, a yoke for holding said blades in operative position side by side without penetrating the same.

1,588,983. BAKER'S OVEN. JOSEPH F. NOVAK, Cleveland, Ohio. Filed Dec. 24, 1925. Serial No. 77,560. 4 Claims. (Cl. 158—109.)



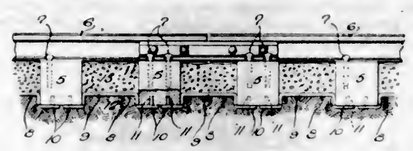
2. The combination with a gas supply pipe to a burner, of means for supplying air and water vapor or the like thereto comprising a water and air supply, an intake manifold, baffles in said manifold, a vaporizer in said manifold, and a blower operatively arranged between said manifold and gas supply pipe, whereby air and water is drawn into said manifold, the water vaporized, mixed with said air and forced into said gas supply pipe.

1,588,984. SAFETY IGNITION LOCK. WILLIAM B. NUTTING, Gervais, Oreg. Filed Sept. 3, 1925. Serial No. 54,266. 2 Claims. (Cl. 175—357.)



1. In an ignition system locking apparatus, a lock of convenient type having a rectangular projection extending outwardly and rotatable by the lock mechanism, a rigid ignition coil terminal plate of insulating material, having concave depressions above each terminal, and like depressions in its insulating portion between said terminals, and a disc circuit breaker having a central slot arranged to receive the aforesaid lock projection in a manner to be engaged and rotated by it, also having a pair of spring connection strips rigidly secured at its lower surface, with buttons on their free ends, the buttons being arranged for sliding engagement upon the surface of the terminal plate and to register with opposing terminal depressions and engage the terminals therein simultaneously to close the ignition circuits, also to register with and engage the intermediate insulated depressions simultaneously and thus break the ignition circuits, respectively as the lock is operated to be unlocked or locked.

1,588,985. RAILROAD-TRACK CONSTRUCTION. MORGAN A. NYBERG, West Allis, Wis. Filed May 27, 1925. Serial No. 33,144. 2 Claims. (Cl. 238—105.)

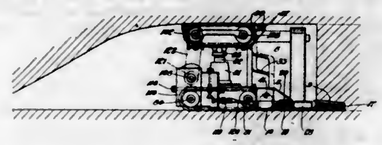


2. In a track construction including spaced ties and rails secured thereto, means connecting the under sides of adjacent ties to protect the same against sinking into the ground and consisting of a member having a medial part adapted to extend upward between adjacent ties and provided with vertical side walls adapted to engage the sides of the adjacent ties, lateral attaching flanges engaging the under sides of the ties and means for attaching the lateral flanges to the ties.

1,588,986. PROPELLER. OLOF OHLSON, West Newton, Mass., assignor to Gilbert J. McCarthy, Washington, D. C. Filed Aug. 26, 1925. Serial No. 52,607. 5 Claims. (Cl. 170—173.)

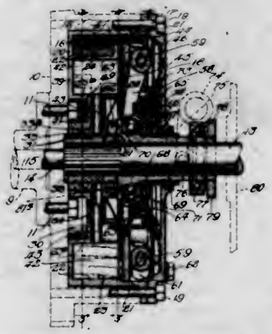
1. A propeller comprising a plurality of blade sections formed of strip material having hub portions formed on one end thereof including a plurality of arculate concentric interconnected sections adapted for slidable interfitting connection in propeller forming relation.

1,588,987. METHOD OF MINING. EDWARD O'TOOLE, Gary, W. Va. Original application filed Sept. 16, 1924, Serial No. 738,034. Divided and this application filed June 13, 1925. Serial No. 36,947. 3 Claims. (Cl. 262—1.)



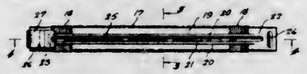
1. A method of mining coal which consists in removing the coal over a longwall face, supporting the roof by a plurality of roof supports for a limited distance back of said face, and advancing said supports as the removal of the coal progresses, so as to permit the roof to settle and form a gob immediately back of said supports while supporting the roof between said supports and coal face, but permitting sufficient settling of the roof along the coal face to shear and break down undercut coal along said face.

1,588,988. HYDRAULIC CLUTCH. EDWARD S. PALMER, Waukegan, Ill. Filed June 17, 1925. Serial No. 37,699. 24 Claims. (Cl. 192—58.)



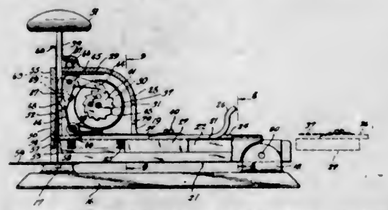
1. In a hydraulic clutch, the combination of a driving element, a driven element, one of said elements having a portion rigid therewith and containing a laterally opening chamber the inner peripheral wall of which is eccentric to the axis of the other of said elements, pistons operatively connected with said last-referred-to element and extending into said chamber, and a ring movable toward and away from the open side of said chamber for controlling the closing thereof.

1,588,989. LOADING DEVICE FOR WIRE-STAPLING MACHINES. FRIDOLIN POLZER, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Feb. 9, 1925. Serial No. 7,815. 3 Claims. (Cl. 1—36.)



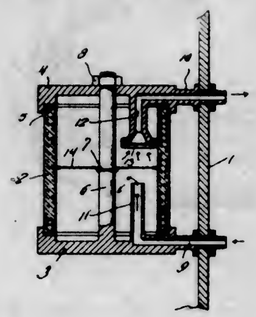
1. A loading device for wire staple machines comprising a substantially U-shaped member adapted to carry a plurality of U-shaped wire staples embracing the top and sides thereof and arranged to allow the staples to slide longitudinally of the member and off one end during the loading operation, and a holding strip secured to the member adjacent one end thereof and extending longitudinally thereof above the staples to retain them on the member during said sliding movement, said strip being disconnected from the member at the opposite end to allow the staples to slide off the member at that end.

1,588,990. STAPLING MACHINE. FRIDOLIN POLZER, South Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Aug. 13, 1925. Serial No. 49,991. 25 Claims. (Cl. 1—3.)



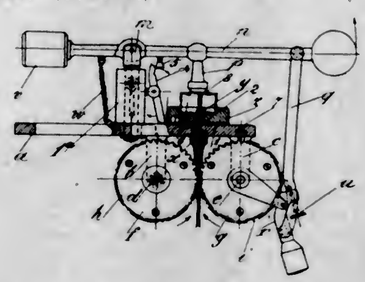
1. In a stapling machine, a staple guide having an upright wall, a plunger mounted to move by said wall to drive and set the individual staples, a spring plate mounted at the opposite side of the plunger and movable throughout part of its movement with said plunger, said spring plate being provided with means coacting with the end of the guide to hold the staple under the end of the plunger, and means to stop the movement of the spring before the plunger reaches the end of its movement to release the staple.

1,588,991. DIRT COLLECTOR. NICKOLAS S. RADEFF, New Castle, Pa. Filed Sept. 17, 1924. Serial No. 738,308. 1 Claim. (Cl. 210—165.)



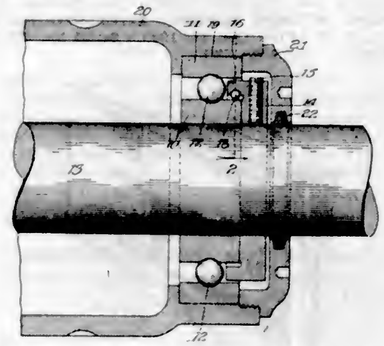
A dirt collector including a tube, plates closing the ends of the tube, a stud mounted upon one of the plates and passing through the tube and penetrating the other plate, means on the end of the stud for holding the plates and tube assembled, said stud provided intermediate its ends with an annular shoulder, a screen disposed in the tube and provided with an opening for receiving the stud and resting on the shoulder thereof, inwardly extending nozzles provided on the plates in alignment with each other and having outwardly extending extensions, the end of the upper nozzle within the tube having screen means associated therewith.

1,588,992. SYSTEM FOR THE MECHANICAL ADJUSTMENT OF THE WICK IN SO-CALLED NIGHT LIGHTS AND NEW MEANS FOR FIXING THE WICK ITSELF. ARMANDO RAGIONIERI and OLINTO MADRIGALI, Florence, Italy. Filed July 18, 1922, Serial No. 575,911, and in Italy July 25, 1921. 11 Claims. (Cl. 18—1.)



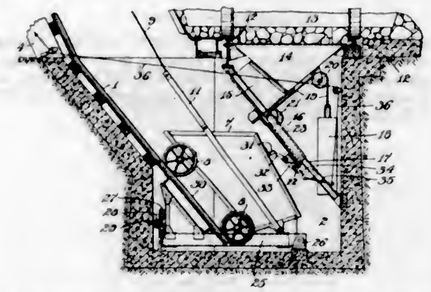
1. A machine of the character described, comprising, in combination, a base, a pair of intermeshing wheels mounted for rotation on said base and adapted to grip a wick between them, a member pivoted in concentric relation with one of said wheels and adapted when moved in one direction to frictionally engage said wheel, means for actuating said member thereby to rotate the wheel a predetermined distance, and means automatically operative to return said actuating means to initial position.

1,588,993. BALL BEARING. ERNEST H. RAHN, Chicago, Ill., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y., a Corporation of New York. Filed June 23, 1924. Serial No. 721,809. 3 Claims. (Cl. 308—236.)



1. In combination, an anti-friction bearing having inner and outer race-members and anti-friction elements therebetween, a shaft passing through said inner race-member, a member adapted to be secured to said shaft having a portion overlying a part of the inner race-member and extending between said members, and a movable means carried by said portion for preventing said inner race-member from turning on said shaft, said means being movable with respect to both said race-members.

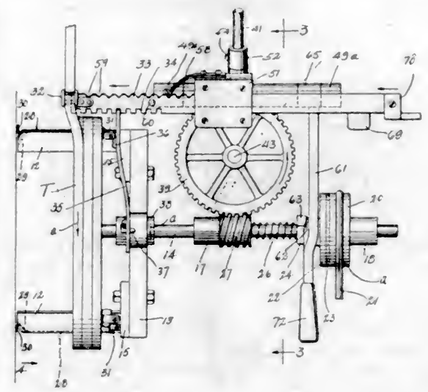
1,588,994. SKIP HOIST. ALVIN C. RASMUSSEN, Indianapolis, Ind., assignor to Insley Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 2, 1925. Serial No. 12,537. 9 Claims. (Cl. 214—2.)



1. In a skip hoist the combination with a delivery hopper having a delivery opening and a sliding gate controlling said opening, of means urging said gate toward closed position, a hoisting bucket traversing said opening and when in loading position in a position to receive the contents of said hopper through said opening, and means on said bucket for engaging said gate and moving the same to open position as the bucket moves to loading position, said bucket having a movement transversely of the traversing movement to disengage said means from the gate and permit the gate to be closed.

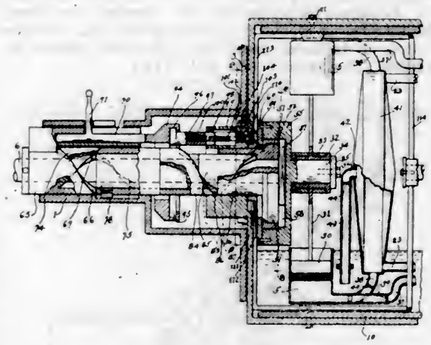
1,588,995. TAPE OR BRAID WINDER. HERMAN P. RUF, New York, N. Y. Filed Nov. 30, 1925. Serial No. 72,115. 11 Claims. (Cl. 242—55.)

1. In a tape winder, the combination of a reel, means for rotating said reel to cause tape to be wound thereon, a cam associated with said reel and rotatable by said means, a shifter bar having a guide for laying the tape along the reel as the bar is moved in a direction substantially parallel to the axis of the reel, said bar comprising a plurality of teeth engageable with said cam whereby said bar is moved as aforesaid according to the rotation of said reel, means supporting said bar in



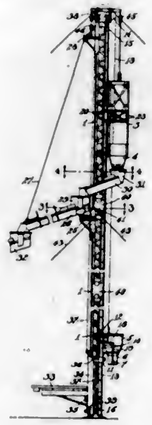
movable relation with respect to said cam whereby when the bar is moved away from the cam the tape is wound on the reel at one portion thereof, while when the bar is moved toward and engaged with said cam, the tape is moved along the reel, and means for moving said bar periodically toward or from the cam according to the number of rotations of said reel.

1,588,996. FLUID-POWER TRANSMISSION. RUDOLPH EDWARD SCHLEY, Beaver Dam, Wis. Filed June 6, 1921. Serial No. 475,272. 13 Claims. (Cl. 60—53.)



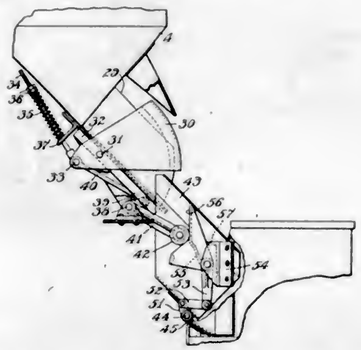
9. A transmission including an element rotatable in either direction, a driving shaft and driven shaft associated therewith, a pump and motor mounted for rotation with said element and operatively associated respectively with the driving and driven shafts, means for varying the output of the pump from zero to an output greater than the capacity of the motor at like shaft speeds, and a ball clutch adapted automatically to lock said element alternatively against rotation in either direction.

1,588,997. BUILDING-MATERIAL-HANDLING APPARATUS. CARL G. SCHMID and ALVIN C. RASMUSSEN, Indianapolis, Ind., assignors to Insley Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 2, 1925. Serial No. 6,266. 6 Claims. (Cl. 214—95.)



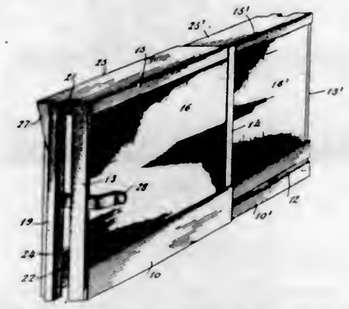
1. An apparatus for handling building material comprising a mast having an unobstructed cable passageway through the center thereof, a chute hopper carried by said mast on one side thereof and projecting beyond the vertical plane of said side, an elevator bucket carried by said mast on the same side as said chute hopper, a delivery chute carried on the opposite side of said mast and arranged to receive material from said chute hopper, a material elevator carried on the same side of the mast as the delivery chute, and cables for operating said bucket and elevator passing upwardly on the faces of said mast and downwardly through the center passageway in the mast.

1,588,998. HEAD FRAME FOR MAST HOISTS. CARL G. SCHMID, Indianapolis, Ind., assignor to Insley Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 28, 1925. Serial No. 12,356. 10 Claims. (Cl. 214—118.)



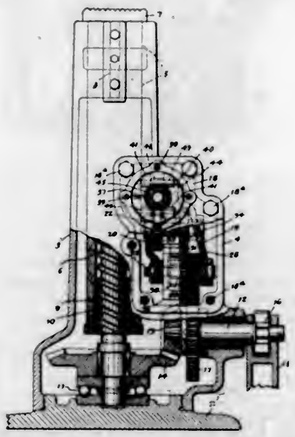
1. In an apparatus for handling building material, the combination with a mast, of a chute hopper supported on said mast, an elevator bucket vertically movable on said mast having a delivery opening and a gate for controlling said opening, a bridge pan normally out of the path of said bucket, means movable with said bucket and means relatively stationary cooperating with one another as the bucket moves to dumping position to first move said bridge pan into bridging position and then open the bucket gate.

1,588,999. WINDOW SCREEN. PETER SCHMITZ, New York, N. Y. Filed Dec. 18, 1922. Serial No. 607,482. 5 Claims. (Cl. 156—38.)



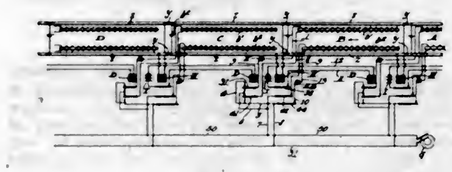
2. A window screen comprising a pair of rectangular frames covered with screen material and slidable relatively to each other, each of said frames comprising a pair of vertically extending side members adapted to be received within the adjacent channels of a sliding sash window frame, a plurality of transversely extending spacing strips connecting said side members, to hold them in spaced relationship, said spacing strips being adapted to straddle the parting strips of the window frame, a lower vertically extending guard member secured to the outer face of the outer side member and an upper outwardly extending guard member secured to and extending across the top of said side members, said upper guard member being downwardly inclined and projecting outwardly beyond said lower guard member.

1,589,000. SELF-LOWERING SCREW JACK. FRANK H. SCHWERIN, Bellevue, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,427. 7 Claims. (Cl. 254—103.)



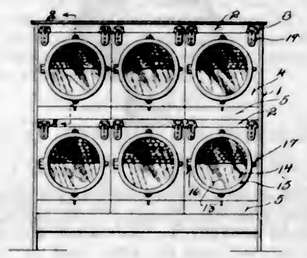
6. A self-lowering lifting-jack having a steep-pitch lifting screw, operating means, an auxiliary gearing having a one-way-acting clutch, a brake shaft to be driven by said gearing only in the load-lowering direction, an automatic speed-controlled braking device operated by said shaft and auxiliary gearing, said automatic device comprising centrifugal members driven by the shaft so as to be urged against an encircling stationary wall, a conical wedge operative between said centrifugal members to lock them against said wall, and a manually-operated screw for operating the wedge.

1,589,001. AUTOMATIC TRAIN-CONTROL SYSTEM CONTINUOUS TYPE WITH TRACK-SIDE ENERGY. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,789. 27 Claims. (Cl. 246—63.)



6. In an induction train control system, the combination with two parallel inductoriums paralleling the trackway, a roadside source of energy for said inductoriums, a home relay and a distant relay, and circuit connections between said source of energy and said inductoriums controlled by said relays.

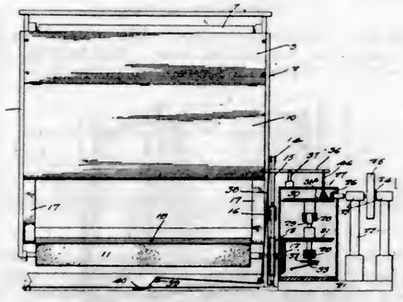
1,589,002. DISPLAY STAND FOR PAILS. WALTER W. SMITH, Gillett, Wis. Filed Feb. 1, 1924. Serial No. 689,905. 2 Claims. (Cl. 211—7.)



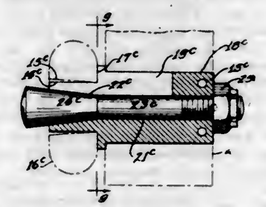
1. A display stand for pails comprising a body portion, a plurality of panels hingedly mounted thereon adjacent their upper edges and adapted to normally hang downwardly, means carried by each panel for holding a pail temporarily rigid with the panel, and automatic means associated with each panel for temporarily holding the panel outwardly in any of a plurality of positions of angular adjustment.

1,589,003. CLOTH-INSPECTING MACHINE. WILLARD E. STEERE, Georgiaville, R. I. Filed Mar. 30, 1925. Serial No. 19,550. 4 Claims. (Cl. 26—70.)

1. In a cloth inspecting machine of the class described, a housing, a shaft rotatably mounted in said housing, gears secured to said shaft, a driven shaft extending into said housing, a pinion carried by said driven shaft and adapted to mesh with one of said gears, the toothed portions of said gears including blank portions, a disk carried by said shaft, and a spring anchored to said housing and connected eccentrically with said disk.

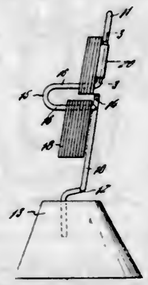


1,589,004. EXPANSIBLE PIVOT MEANS FOR CRANKS AND THE LIKE. ERNEST V. STONE, Santa Fe Springs, Calif., assignor, by direct and mesne assignments, to Herman C. Smith, Whittier, Calif. Filed Apr. 20, 1925. Serial No. 24,503. 4 Claims. (Cl. 287—92.)



4. An expansible pivoting means of the character described comprising a split bushing having an external shoulder between the ends thereof and having a portion forming a wrist pin for rotating in a bearing, the bushing having a bore with a tapered portion, and a threaded connection for holding the pin in place.

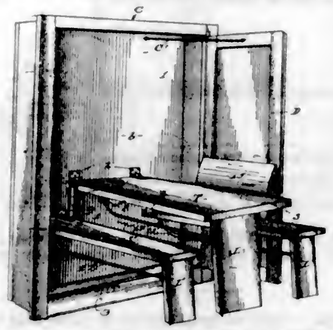
1,589,005. DISPLAY DEVICE. JOSEPH H. BASSETT, Detroit, Mich. Filed June 26, 1925. Serial No. 39,823. 1 Claim. (Cl. 40—102.)



A display device comprising a frame including spaced vertically disposed bars, horizontal connecting bars at the upper and lower ends of the vertically disposed bars, a base secured to the lower connecting bar, apertured sheets mounted upon said vertically disposed bars, means included in the last mentioned bars to support said sheets

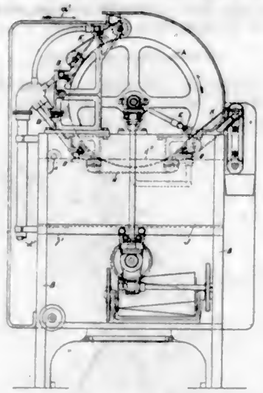
one above the other and means to removably attach the upper horizontal connecting bar to the vertically disposed bars to permit of the application and removal of the sheets.

1,589,006. BUILT-IN FURNITURE UNIT. JULIAN HUDDLESTON, Los Angeles, Calif. Filed May 19, 1924. Serial No. 714,396. 2 Claims. (Cl. 155—83.)



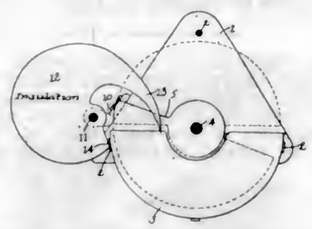
1. A built-in furniture unit including a cabinet having a door hinged to the front thereof and adapted to swing outwardly, means for limiting the outward movement of said door to a plane substantially at right angles to the front of said cabinet, a table hingedly supported to the back of said cabinet and adapted to be collapsed and housed therewithin when not in use, and to be extended therefrom into horizontal position for use, a seat also hingedly connected to the back of said cabinet and additionally connected with said table for simultaneous movement therewith, and adapted to be extended outwardly from the cabinet to horizontal position adjacent said door, and a seat back fixed to the inner side of said door and adapted to be positioned adjacent said seat when said door is opened, for the purpose described.

1,589,007. MACHINE FOR WASHING SHEETS OF PAPER. FREDERICK CHESSON KING, Uxbridge, England. Filed Apr. 27, 1925. Serial No. 26,223, and in Great Britain May 10, 1924. 4 Claims. (Cl. 95—89.)



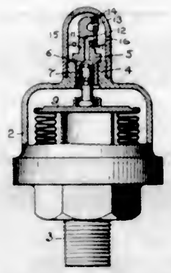
1. In a machine for washing sheets of paper, a washing tank, an endless travelling support for the paper projecting into the tank, a series of stationary spray devices arranged outside the said support and operating to hold the paper against it, and a stationary spray device arranged inside the support and operating to remove the paper from it at a predetermined point of its travel.

1,589,008. RADIOCONDENSER. JAMES B. KIRBY, West Richfield, and HOYT S. SCOTT, Cleveland, Ohio; said Scott assignor to said Kirby. Filed Aug. 5, 1925. Serial No. 48,258. 8 Claims. (Cl. 250—41.)



1. The combination with a variable radio condenser having relatively movable metallic plates adjustable to vary the capacity of the condenser, of an auxiliary member of insulating material movable independently of said metallic plates and insertable therebetween to vary the dielectric value of the condenser and thereby effect a fine adjustment of the capacity.

1,589,009. AUTOMATIC AIR VALVE. HOSEA K. KRIBBEL, Philadelphia, Pa. Filed Aug. 22, 1922. Serial No. 583,489. 2 Claims. (Cl. 236—64.)



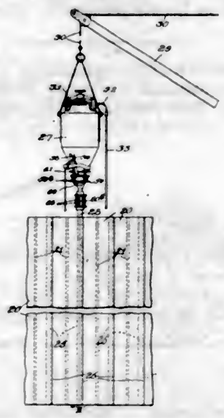
1. An automatic air valve, comprising a casing and a thermostatic expansive element therein having a valve piece directed upwardly, in combination with a plug in one piece screwed into the upper part of the casing and having an angular tubular passage terminating at the bottom with an air vent seat directed toward and in alinement with the valve piece of the thermostatic element and at its upper part provided with a laterally opening check valve seat whose plane is substantially vertical, and a gravity actuated check valve freely suspended from the plug like a pendulum in a substantially vertical position and normally seating upon the outside of the check valve seat with a very light contact so as to offer practically no resistance to opening in response to a very small pressure released by the thermostatic valve.

1,589,010. MOVABLE DEFLECTOR FOR FLUID STREAMS. FERDINAND LALLEMAND, Marseille, France. Filed Apr. 10, 1924, Serial No. 705,474, and in France Apr. 12, 1923. 5 Claims. (Cl. 230—1.)

1. Deflectors for fluid currents comprising a plurality of deflecting wings moved exclusively by the fluid current having each an axis which is approximately perpendicular to the direction of the current, the axis of each wing being placed nearer the fluid receiving edge

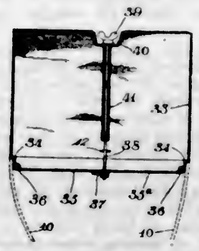
of the wing the angle of inclination being throughout in the same sense along the length of the wing.

1,589,011. ART OF SHEET PILING. LYMAN B. LANGWORTHY, Chicago, Ill. Filed Aug. 4, 1923. Serial No. 655,627. 7 Claims. (Cl. 25—1.)



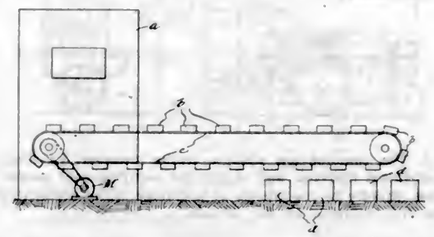
1. A bonding apparatus adapted for grouting channels between sheet piles, comprising a barrel adapted to substantially fill one of said channels, a removable cap on the lower end of said barrel, means for raising and lowering said barrel in one of said channels, and means for feeding cementitious material into said barrel at the top thereof to remove said cap.

1,589,012. CONTAINER FOR PULVERIZED MATERIALS. ADLASKA E. LAYTON, Columbus, Ohio, assignor of one-half to Thomas F. Corwin, Columbus, Ohio. Original application filed May 8, 1924, Serial No. 697,827. Divided and this application filed Jan. 12, 1925. Serial No. 1,802. 6 Claims. (Cl. 220—32.)



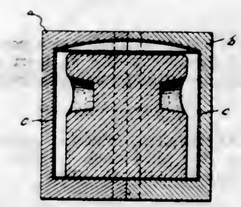
1. A container for pulverized material having a closed permanent bottom, a cover hinged to the top of the container, and means extending through the bottom of the container to engage the cover to hold the same closed, said means being manipulable at the bottom to release the cover.

1,589,013. METHOD OF ANNEALING METAL. HARRY S. LEE, Plymouth, Mich. Filed Aug. 27, 1924. Serial No. 734,404. 1 Claim. (Cl. 148—3.)



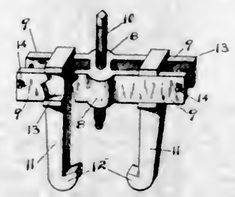
The method of treating castings, which comprises dropping them while at a relatively high temperature into a powdered heat-insulating medium in which kieselguhr predominates, said heat-insulating medium being of a depth calculated to substantially completely cover the casting.

1,589,014. PERMANENT MOLD. HARRY S. LEE, Plymouth, Mich. Filed Mar. 13, 1925. Serial No. 15,189. 7 Claims. (Cl. 22—189.)



4. The method of coating the surface of a mold with a protective lining, which comprises the warming of a mixture of kieselguhr and sodium pyroborate in solution, the spraying of said warmed mixture onto said mold for coating the mold with a protective lining, and the heating of said mold to fuse the lining to the mold.

1,589,015. PULLER. RALPH W. LEE, Portland, Oreg., assignor to Lelin Manufacturing Company, Portland, Oreg. Filed Jan. 31, 1923. Serial No. 616,043. 1 Claim. (Cl. 29—85.)

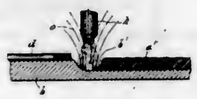


In a puller: a body composed of a hub and extending pairs of respectively parallel arms integral with said hub; a screw threaded through said hub; a pulling arm intermediate each of said pairs of parallel arms, and having slots therein to slidably engage said parallel arms: in combination with a split block adapted to coact with said pulling arms, and having an orifice therethrough; and a split collar having an inwardly projecting flange upon one end thereof, and an outwardly projecting flange upon the opposite end thereof, said latter flange coacting with said blocks to retain the said split collar therein.

1,589,016. DRAFT MECHANISM FOR TRAILERS. SAMUEL E. LIEDABRAND, Springfield, Ill. Filed May 15, 1924. Serial No. 713,571. 18 Claims. (Cl. 280—33.44.)

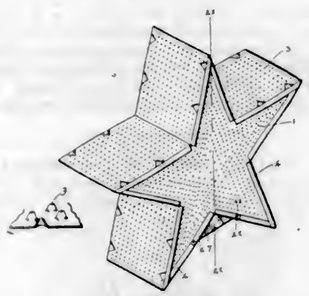
1. The combination with a trailer member, of draft mechanism therefor, and means for securing said mechanism directly to the wheels of a tractor while permitting the free rotation of the wheels.

1,589,017. METHOD AND MEANS FOR ELECTRIC-ARC WELDING. JOHN C. LINCOLN, East Cleveland, Ohio. Filed Oct. 11, 1918. Serial No. 257,784. 29 Claims. (Cl. 219—8.)



1. The method of arc-welding, which consists in surrounding the molten metal with an inert medium during the welding operations, substantially as set forth.

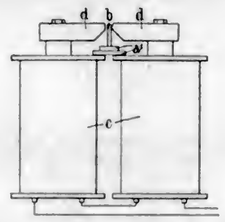
1,589,018. ILLUMINATED STAR. ANDREW LUDWIG, Rochester, N. Y. Filed May 7, 1925. Serial No. 28,673. 3 Claims. (Cl. 40—126.)



1. An illuminated star comprising a front panel, a rear panel, a band encircling the perimeter of said front and rear panel, a flange extending from the ends of said band and a flange bent up from said front and rear panel and clamped over said flange extending from said band to lock the ends of said band to said front and rear panel and hold said band in place around the perimeter of said front and rear panel.

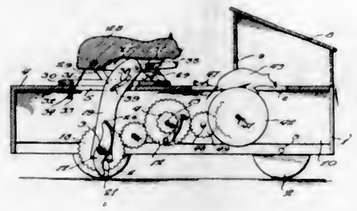
1,589,019. MOVING-COIL ELECTRICAL INSTRUMENT. WILLIAM SPENCER PURSER, Palmers Green, London, England, assignor to Columbia Graphophone Company, Limited, London, England. Filed Feb. 11, 1926, Serial No. 87,727, and in Great Britain Dec. 16, 1924. 2 Claims. (Cl. 179—113.)

1. In a telephonic instrument, a pair of magnet poles placed close together, a substantially rigid plane coil between said poles, said coil having its plane substantially perpendicular to the field of said poles, and a



resilient support for said core, said coil being adapted to act directly in the electro-acoustic transfer of energy.

1,589,020. FIGURE TOY. CHRISTIAN J. SIEBENHAAR, Beloit, Wis., assignor of one-half to Vincent Barber, Beloit, Wis. Filed Apr. 15, 1925. Serial No 23,293. 5 Claims. (Cl. 46—45.)

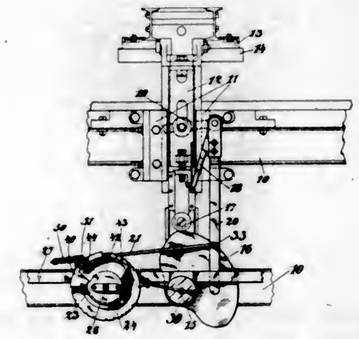


1. A toy comprising a supporting structure, a cat body mounted thereon, yieldable restraining means for normally holding the cat body in a crouching position, means within the supporting structure acting in opposition to the yieldable restraining means for imparting an upward and forward springing motion to the cat body, a mouse body mounted in the supporting structure, and means within the supporting structure for imparting motion through a vertical orbital path to said mouse body whereby it will rise through the supporting structure and simulate a mouse running from a cat.

1,589,021. SELECTIVE-CONTROL MECHANISM FOR PRINTING MACHINES. JAMES F. STURROCK, East Orange, N. J., assignor to Congoleum-Nairn (Inc.), Philadelphia, Pa., a Corporation of New York. Filed July 31, 1924. Serial No. 729,203. 37 Claims. (Cl. 101—198.)

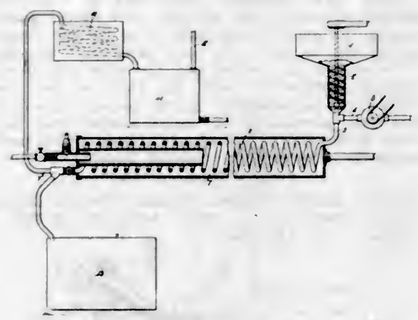
1. A machine for printing upon sheets of linoleum, oil cloth, impregnated felt, and the like, including means for feeding lengths of the material, a set of platens operating successively to print a varicolored design on selected lengths of said material, another set of platens operating successively to print another varicolored design on other selected lengths of said material, throw-out mechanisms associated with each platen of said first set and automatically operable to successively retain such printing platens in inactive position during the passing thereunder of blank lengths to be printed by said second set of platens, other throw-out mechanism associated with each platen of said second set automatically holding said platens of the second set inactive during the passage thereunder of lengths of the material that have been printed upon by said first set and permitting successive operation of said platens of the second set on the lengths unprinted by said

first set; and automatic controlling means for operating each of the throw-outs, each said controlling means including an intermittently rotated member operable to actuate the throw-out mechanism a predetermined number of steps per throw-out operation and having an element associated therewith shiftable to different positions



to predetermine the speed of the rotated member and thereby to vary the number and timing of repeats printed by one of the sets of platens and the corelative number and timing of inoperative periods of the other set of platens whereby patterns of varying lengths but having the same designs may be selectively printed.

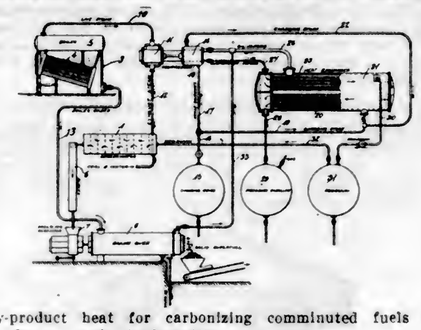
1,589,022. PROCESS FOR TREATING CARBONACEOUS MATERIALS. WALTER EDWIN TRENT, Washington, D. C. Filed Sept. 27, 1924. Serial No. 740,384. 6 Claims. (Cl. 44—1.)



1. A process of producing a fuel, consisting in distilling oils and in removing ash forming substances from the carbonaceous content of coal, and in then mixing the oil so produced with the carbonaceous residue to place the same in a wet condition.

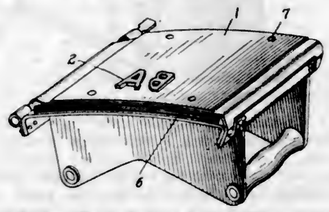
1,589,023. PROCESS FOR CRACKING COAL AND OIL. WALTER EDWIN TRENT, Washington, D. C. Filed Sept. 27, 1924. Serial No. 740,385. 8 Claims. (Cl. 44—1.)

1. A process for manufacturing a carbonized solid fuel and converting low boiling point oils by heat generated at a single source, consisting in utilizing a portion of said heat for subjecting oils to cracking conditions of temperature and pressure, and in employing



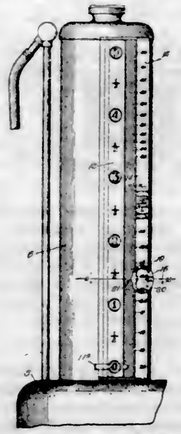
by-product heat for carbonizing comminuted fuels to produce a carbonized residue.

1,589,024. PRINTING DIE. HAROLD R. WADE and LEE M. HARLEY, Pittsburgh, Pa., assignors to Jas. H. Matthews & Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 6, 1925. Serial No. 41,509. 4 Claims. (Cl. 101—379.)



1. A printing die including in its structure a flexible layer of metal and a layer of rubber overlying the metal layer, bearing in relief printing characters, and vulcanized to union upon the metal layer, the edges of the metal layer being folded upon the edges of the rubber layer.

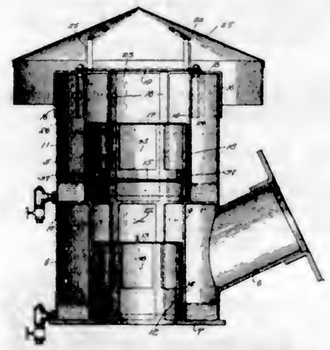
1,589,025. LIQUID-DISPENSING PUMP. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed Nov. 12, 1923. Serial No. 674,335. 3 Claims. (Cl. 221—103.)



1. In a liquid dispensing pump having a reciprocating piston rod, an indicator movable with the piston rod and a volume scale cooperating with the indicator, a second

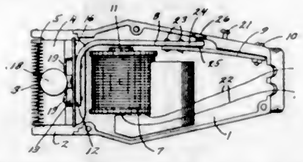
scale substantially parallel to the volume scale, said second scale having on its face markings designated by the prices of unit volumes of the liquid, said markings being so positioned that, when the pump rod indicator is brought into alinement therewith, a volume of gasoline having a fixed value at the designated price per unit volume is dispensed.

1,589,026. LIQUID AND MECHANICAL SEAL. ROBERT E. WILSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed Mar. 24, 1924. Serial No. 701,610. 5 Claims. (Cl. 277—61.)



1. In a pressure and vacuum relieving seal, a casing with a bottom and having a transverse partition above said bottom, a cylindrical guide member extending from the bottom of the casing upwardly through said partition, a sealing cap slidable within the guide member and opening through the bottom of the casing to the exterior thereof, a second sealing member above the partition and surrounding the cylindrical guide member, said sealing member being open to the space in the casing below the partition, means for making the external pipe connection with the interior of the casing below the partition, and means for retaining a liquid in said casing on its bottom and on said transverse partition.

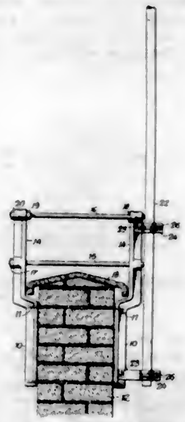
1,589,027. ELECTRIC HAIR CLIPPER. LEO J. WAHL, Sterling, Ill. Filed Aug. 9, 1923. Serial No. 656,599. 2 Claims. (Cl. 175—338.)



1. In a device of the class described, equipped with electro-magnetic operating mechanism, a load-carrying arm comprising an armature member adapted for operation by said electro-magnetic mechanism, and a resilient supporting member, rigidly connected, and provided at the joint with means for varying the degree of flexibility of the resilient member.

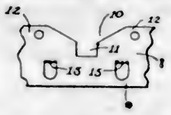
1,589,028. POLE AND MAST SUPPORT. JACOB WASSERBERGER, New York, N. Y. Filed July 24, 1925. Serial No. 45,773. 1 Claim. (Cl. 248—37.)

In a pole support, the combination of uprights, frictional means at the lower end of said uprights, a bolt above the frictional means and having a nut, a second bolt at the upper ends of the uprights and swiveled to one of them, locking nuts at the end of said second bolt and adapted to secure it to the other upright,



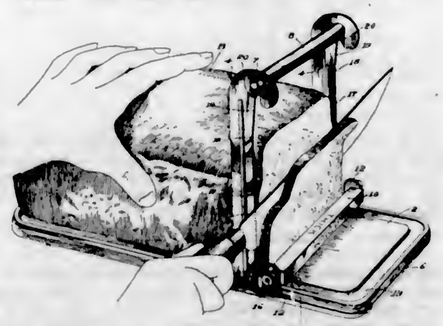
and clamps carried by one of the uprights and adapted to secure a pole.

1,589,029. TRUNK-TOP CONSTRUCTION. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 27, 1921. Serial No. 525,023. 4 Claims. (Cl. 190—37.)



1. A trunk top construction, comprising a trunk section having an open top, a top member hinged thereto and having upper rounded edge portions, and a strip of metal curved medially transversely to form right angularly extending side portions, said curved portion engaging the rounded edge portions of the top member with one side portion of the strip fastened to the upper surface of the top member and the other side portion extending downwardly below the plane of the lower surface of the top member to overlap the outer sires of the upper edge portions of the trunk section, ears being formed in the last mentioned side portion which extend beneath the cover and are connected thereto.

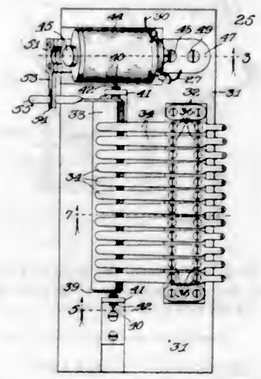
1,589,030. BREAD SLICER. JASPER WHITING, Boston, Mass. Filed May 20, 1925. Serial No. 31,678. 9 Claims. (Cl. 146—150.)



1. A bread slicer comprising a base, a pair of standards supported by said base and spaced apart

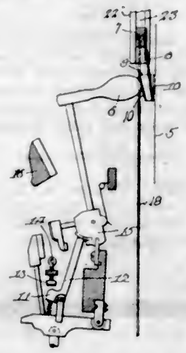
to receive a loaf of bread between them, said standards having knife guiding edges inclined with reference to the base.

1,589,031. SWITCH MECHANISM. LOUIS J. WICK, Highland, Ill. Filed May 31, 1924. Serial No. 717,090. 4 Claims. (Cl. 200—104.)



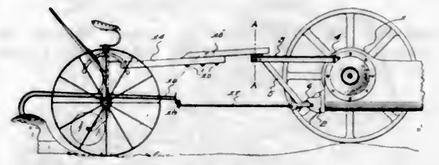
1. In a switch mechanism, the combination with a pair of spaced contact elements, a pivoted switch member, a contact pin carried by said member extending above and below the member, said contact pin being substantially pointed at its ends and the latter being engageable with said contact elements to electrically connect them, the lower end of said pin being disposed slightly below the axis line of said bar and constantly in engagement with the associated contact element, the upper end of said pin being remote from said axis line and movable into and out of engagement with the other contact element.

1,589,032. BANJO ATTACHMENT FOR PIANOS. PEDER WIGGEN, Chicago, Ill., assignor to Nelson-Wiggen Piano Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 17, 1923. Serial No. 619,590. 2 Claims. (Cl. 84—224.)



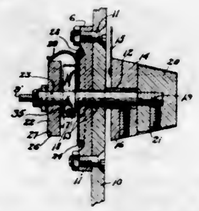
1. A banjo attachment for pianos, comprising a movable support, means for moving the same, a flexible pendant secured thereto and an enlargement on the lower portion of said pendant adapted to be interposed by said moving means for its support between a piano string and a co-operating hammer therewith of the piano-action, the said enlargement being of such thickness as when in its interposed position to block the movement of the hammer towards the string when said enlargement is struck by the hammer and held thereby in contact wtih the string and thus prevent the foot of the jack, operating said hammer, contacting with the stop member for said foot.

1,589,033. PLOW AND TRACTOR ATTACHMENT. JOHN W. WILSON, Hallsboro, N. C. Filed Oct. 19, 1925. Serial No. 63,382. 2 Claims. (Cl. 280—33.44.)



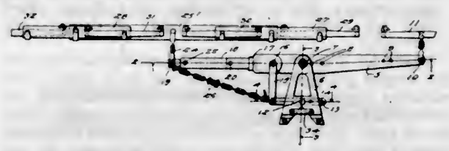
1. An attachment for securing an agricultural implement to a tractor comprising two spaced members secured to the tongue of the implement providing an open ended slot between them, the end of said tongue serving to close the other end of said slot, and to act as an abutment when the tractor is reversed, a bracket secured to said tractor, said members normally resting on said bracket, a T-shaped member secured to said bracket, the shank of said last named member being arranged between said spaced members and head thereof being spaced from said spaced members permitting limited tilting and free endwise movement between said tongue and said tractor, and independent means coupling said implement and tractor.

1,589,034. RHEOSTAT. WALTER W. WOOD, Canton, Ohio. Filed Sept. 1, 1922. Serial No. 585,701. 13 Claims. (Cl. 201—55.)



1. A rheostat including a support with an annular resistance coil thereon, a rotatable disk with an annular resistance wire thereon, a rotatable block with connected brushes thereon for sliding contact with the wire and coil respectively, and means for rotating the disk and block together, and for rotating the disk alone.

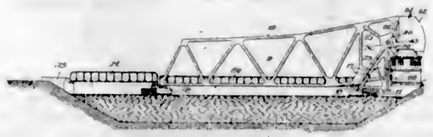
1,589,035. DRAFT EVENER. FRANK F. WULF, Neligh, Nebr. Filed May 14, 1925. Serial No. 30,316. 4 Claims. (Cl. 278—6.)



1. In a draft evener, a tree having a plurality of apertures between its ends for receiving a connection to a clevis and a plurality of apertures near one end for receiving a connection to a swingle tree hitch, an extension connected to the said tree at the end opposite the

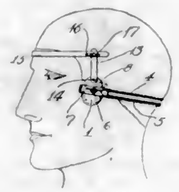
one having the apertures, extensions adapted to be secured together and to the first mentioned extension collectively, a plural tree having connections for swingle trees, a hitch connecting the outermost of the extensions to the plural tree, a clevis, means for pivotally connecting the tree and clevis, a lever adjustably pivoted between its ends to the clevis, a link pivotally connected to one end of the lever and to the first mentioned tree, and a flexible connection between the outermost extension and the end of the lever at its junction with the link.

1,589,036. BRIDGE. HUGH E. YOUNG, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,442. 11 Claims. (Cl. 14—38.)



1. A bascule bridge having a supporting member, a bearing pin with a surrounding sleeve-portion supported on said supporting member, a movable span having a side frame supported on said bearing pin on one side of said supporting member, and a member secured to said side frame and spaced therefrom, said member being supported on the bearing pin on the opposite side of said supporting member and in part supporting the movable span.

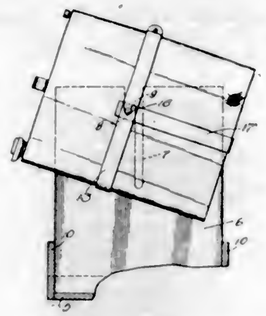
1,589,037. HAIR-CUTTING DEVICE. BERTHA AASEN and ANDREW AASEN, Seattle, Wash. Filed Mar. 9, 1925. Serial No. 14,265. 9 Claims. (Cl. 132—45.)



1. A hair cutting gauge comprising members to engage the side of the head, a forward gauge pivotally and adjustably connected to said members, and a rear cutting gauge including spaced hair guides and gauging wires pivotally and adjustably connected to said members.

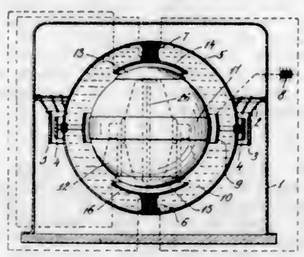
1,589,038. COMBINED SHIPPING CRATE AND TILTING CAN SUPPORT. LOSSIE E. ANDERSON, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed Jan. 28, 1925. Serial No. 5,252. 1 Claim. (Cl. 248—59.)

Means for enclosing an oil can of commercial form and for serving the contents of such can while within such enclosing means, comprising a crate of box-like form provided in its side walls with slots of unequal length merging at their upper ends and cut away to form a shoulder between said slots, a clamping cradle embracing the can formed of an encircling member having tightening means at its free ends and equipped with pivot pins extending into the slots in the side walls of the crate, and a U-shaped member extending from said last referred to member and forming a rest for the can, the can and cradle normally extending to the bottom of the crate and both so proportioned to the height of the crate as to permit of their being raised to cause the pivot pins of the cradle to



ride over the shoulder between the slots and to drop into the slot beyond the same whereby to permit the forward tilting of the cap to serve oil therefrom.

1,589,039. GYROSCOPIC APPARATUS. HERMANN ANSCHUTZ-KAEMPFE, Munich, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Gero," S'Gravenhage, Netherlands. Filed Feb. 14, 1923, Serial No. 618,984, and in Germany Feb. 2, 1922. 16 Claims. (Cl. 33—204.)

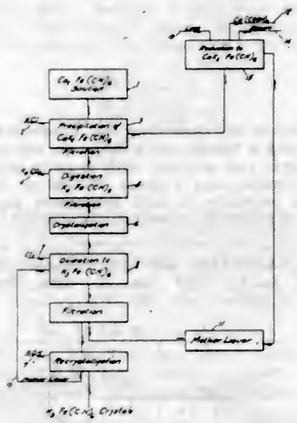


1. Gyroscopic apparatus comprising a liquid, a liquid holder, a gyrostatic system floating freely in the said liquid, and a force producing means acting through said liquid for keeping the gyrostatic system in its normal position in the said liquid and out of contact with the liquid holder and with any solid connected therewith.

1,589,040. GASKET. CLAUDE B. BAILEY, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed June 15, 1925. Serial No. 37,041. 3 Claims. (Cl. 288—1.)

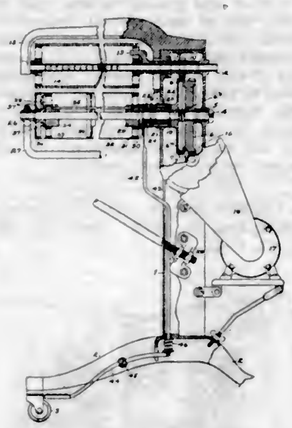
1. A gasket made from a single piece of sheet metal and folded to have a plurality of superimposed layers disposed parallel to each other and to the plane of the gasket, one of the outer layers and an intermediate layer extending clear across the gasket body and being integrally connected by the fold of metal along the inside of the body, and there being a shorter layer between said outer and intermediate layers.

1,589,041. METHOD OF MAKING POTASSIUM FERRICYANIDE. GEORGE BARSKY, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Oct. 2, 1925. Serial No. 60,046. 10 Claims. (Cl. 23—77.)



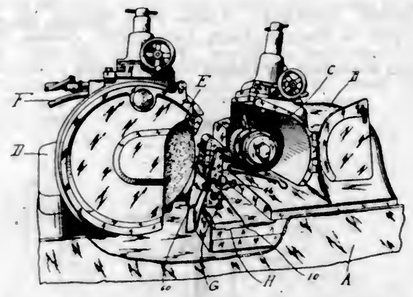
1. The method of making potassium ferricyanide which comprises providing a solution of potassium ferrocyanide, adding a small amount of alkali thereto, and oxidizing the solution of ferricyanide.

1,589,042. IRONING MACHINE. BERT C. BAUM, Fort Wayne, Ind., assignor of two-tenths to Kent Sweet, two-tenths to Warren V. Sweet, two-tenths to Leonard Sykes, and one-tenth to Omar K. Garrard, all of Fort Wayne, Ind. Filed June 30, 1924. Serial No. 723,087. 5 Claims. (Cl. 68—9.)



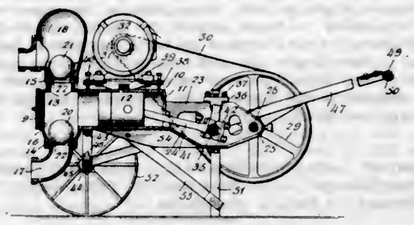
1. In an ironing machine, the combination of a heated member, a revoluble shaft, a roller supported on the shaft and adapted to be swung thereon into contact with the heated member, a driven member loosely mounted on the shaft, means responsive to the swinging movement of the roller to connect the shaft to the driven member and means connecting the shaft to the roller for driving the roller.

1,589,043. GRINDING MACHINE. GEORGE W. BINNS, Cincinnati, and WALTER D. ARCHEA, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 5, 1924. Serial No. 754,217. 11 Claims. (Cl. 51—234.)



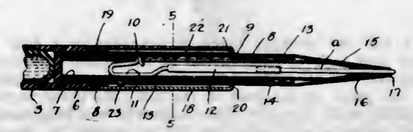
1. A mechanism of the character described including an oscillating carriage, means for oscillating the carriage, a positive stop for limiting the oscillation of the carriage in one direction, a yieldable stop for limiting its oscillation in the opposite direction, means for securing work in position on the carriage, and an ejector mechanism adjacent said securing means and operable in synchronism with the yielding stop mechanism.

1,589,044. PUMP. CHARLES BOUCHÉ, Berlin, Germany, assignor to A. Borsig G. m. b. H., Berlin-Tegel, Germany, a Corporation of Germany. Filed Sept. 13, 1924. Serial No. 737,498. 5 Claims. (Cl. 103—218.)



1. In a pump, a main casting having a cylinder formed therein, and a water chamber located in front of and in direct communication with said cylinder, said casting having a U shaped web extending rearwardly thereof, the outer side faces of said web forming substantially plane surfaces to provide large contacting surfaces, against which a handle yoke may be clamped, a pair of plane bearing surfaces formed upon the lower side of said casting for the attachment to said casting of supporting means for said pump, and the upper side of said casting being provided with means for securing an operating motor thereto.

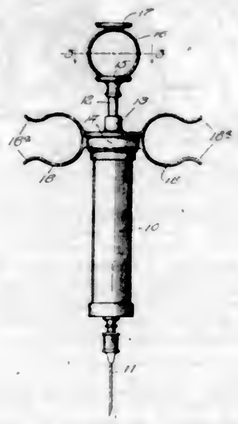
1,589,045. WRITING DEVICE. DANIEL P. BOYLE, New York, N. Y. Filed Apr. 9, 1924. Serial No. 705,165. 9 Claims. (Cl. 120—18.)



1. In an article of the character described, a barrel having a socket in its end, a lead-propeller guide having its rear end fixed in said socket, a lead-propeller guided in said guide, a rotatable case containing a second

guide cooperating with the lead-propeller, one of said guides being a spiral, the rear end of said case being accommodated rotatably and removably in said socket, and a detachable connector sleeve retaining the case to the barrel.

1,589,046. SYRINGE. HAROLD BRIX, Chicago, Ill., assignor to Sharp & Smith Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1925. Serial No. 65,781. 2 Claims. (Cl. 128—218.)

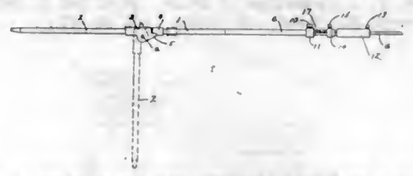


1. A syringe of the character described comprising: a barrel; a plunger rod; finger grips on the upper end of the barrel; a finger ring on the upper end of the plunger rod; a flat button at the lower side of said finger ring on the plunger rod; and a flat button on the upper side of said finger ring, each of said buttons adapted to be engaged by the thumb of an operator in forcing the plunger rod downwardly.

1,589,047. LEAD-HEADED NAIL. WINFRED M. BROOKS, West Orange, N. J. Filed Nov. 22, 1924. Serial No. 751,439. 1 Claim. (Cl. 85—28.)

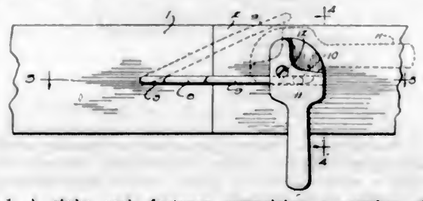
A nail the head of which is imbedded in a body of lead, said body of lead having on its outside two taper surfaces, one above the other and meeting substantially in the plane of the head of the nail, the lower surface tapering more abruptly, with respect to the longitudinal center line of the nail, than the upper one, to thereby allow free flow of the molten metal and to form, when subjected to blows, a sealing disk the outer circumference of which is of less thickness than the main portion thereof.

1,589,048. WHEEL ALIGNER FOR AUTOMOBILES. JOHN ARTHUR BUSSARD, Rock Island, Ill. Filed Feb. 4, 1925. Serial No. 6,713. 5 Claims. (Cl. 33—180.)



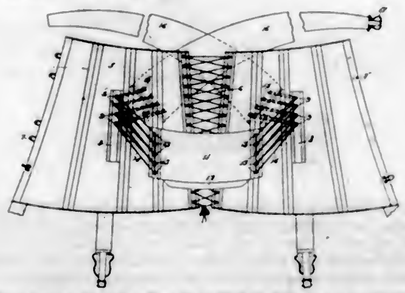
1. A device of the class described, comprising a body member having a tubular end portion, an end piece telescoped therein, and provided with a gauge slidable on said body member, and a gauge slidable on said body member in proximity to said first-named gauge, and provided with means for attachment to said body member.

1,589,049. FASTENING DEVICE. CHARLES W. CELL, Riverside, Calif. Filed June 25, 1923. Serial No. 647,736. 2 Claims. (Cl. 296—1.)



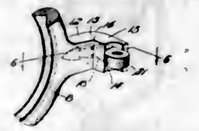
1. A stake rack fastener comprising a member pivotally connected at one end to one section of the stake rack, the other end of said member having a portion projecting beyond the end of the section parallel to the stake rack, said projecting portion being provided with an end portion bent at right angles thereto, and a locking member pivotally connected to the adjacent section of the rack, said locking member being provided with a pair of spaced arms parallel to the stake rack providing therebetween a longitudinal slot in the same plane as the projecting end of said pivoted member and into which the projecting end of said pivoted member is adapted to be inserted, one of said arms being provided with a transverse open ended slot adapted to removably receive the bent end of said pivoted member, said projecting end being adapted to swing from unlocked to locked position across a line between the pivots of said members, and being adapted to engage against the bottom of said longitudinal slot to prevent movement of said locking member beyond normal locked position.

1,589,050. CORSET BRACE. EVA M. CLEWELL, Canton, Ohio. Filed Jan. 24, 1922. Serial No. 531,392. 3 Claims. (Cl. 2—27.)



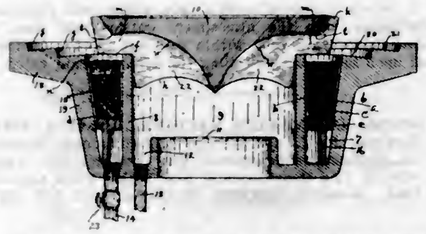
1. A corset and the like including eyelets in each side, an abdominal support having lace-tapes on its ends extending through the eyelets and thence rearward around the sides of the corset, and belts extending from the lace-tapes across the back and around the other sides of the corset and adjustably secured together at the front thereof.

1,589,051. SPECTACLE FRAME. STEPHEN J. CLULEE, Attleboro, Mass., assignor to Bay State Optical Company, a Corporation of Maine. Filed July 25, 1921. Serial No. 487,305. 14 Claims. (Cl. 88—53.)



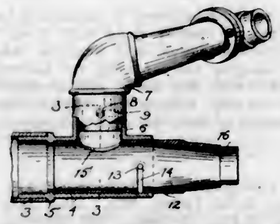
1. In a nonmetallic spectacle frame, rims, carriers on the rims provided with intermediate bends and with transverse seams in the bends, and metallic members comprising longitudinally bent shanks in the carriers extending across the seams, and rings on the shanks exterior of the carriers.

1,589,052. LIQUID-FUEL BURNER. LEWIS A. COCKLIN, Griswold, Iowa. Filed Dec. 11, 1925. Serial No. 74,709. 3 Claims. (Cl. 158—96.)



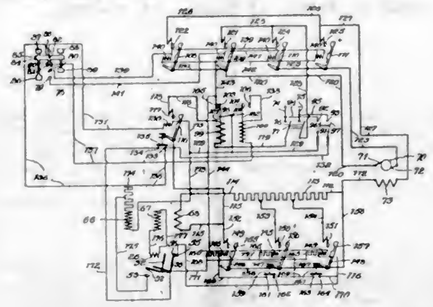
1. In a liquid fuel burner, an upright, annular chamber having its outer wall provided with an annular flange projecting outwardly from its upper end, a distributing-ring in the chamber, an asbestos wick on said ring, a supply pipe communicating with the chamber, a spreader-cap on the inner wall of the chamber inwardly of the flange, said flange being provided at intervals radially thereof with a series of annular depressions, each outer depression being disposed in a plane above an inner depression.

1,589,053. RADIO AND TONE-ARM ATTACHMENT FOR PHONOGRAPHS. ALFRED W. COTHEY, Cleveland, Ohio, assignor to The Empire Phono Parts Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 28, 1924. Serial No. 716,405. 4 Claims. (Cl. 179—100.1.)



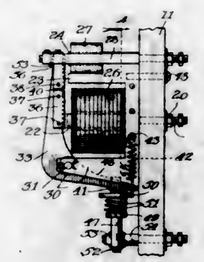
1. A radio and tone arm attachment for phonographs comprising a tubular member having open ends, one of which is adapted to be placed in communication with the sound amplifier of a phonograph, said tubular member having an opening in its wall, a hollow tone arm carried by the tubular member and communicating therewith through said opening, and a tubular extension having its inner end extending into the tubular member and movable therein and its outer end adapted to receive a radio sound reproducing attachment, said tubular extension having an opening in its wall adapted to be moved into and out of registry with the opening in the tubular member.

1,589,054. STARTING APPARATUS FOR D. C. MOTORS. ROBERT W. COUSINS, Gary, Ind. Filed Nov. 25, 1921. Serial No. 517,544. 11 Claims. (Cl. 172—288.)



1. The combination with an electric circuit and a motor and a resistance section interposed therein, of a switch controlling the cutting out of said resistance section, a relay controlling the actuation of said switch, a transformer comprising a primary winding and a secondary winding and having a shunt winding, said primary being energized by current traversing said circuit, resistance in series with said shunt-winding, and means for causing current to flow through said shunt winding and said resistance in series therewith, said relay being provided with a shading coil and being controlled by said secondary and said shading coil and operating, when current ceases to be induced in said secondary by the current in said circuit reaching the maximum, to cut out resistance in series with said shunt winding during the energization of said shading coil.

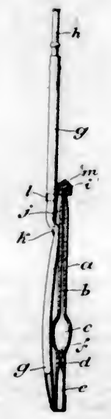
1,589,055. RELAY. ROBERT W. COUSINS, Gary, Ind. Original application filed Nov. 25, 1921, Serial No. 517,544. Divided and this application filed Jan. 29, 1923. Serial No. 615,625. 2 Claims. (Cl. 200—94.)



1. A relay comprising a plurality of independently movable armatures, a core equipped with a shading coil, said shading coil cooperating with one only of said armatures, means for energizing said core to attract both of said armatures, a contact-device formed of relatively movable elements, and means cooperating with said arma-

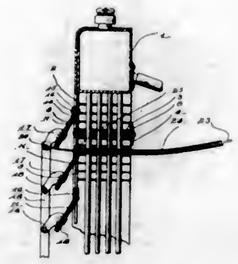
tures and with the movable one of said elements for controlling the position of the movable one of said elements, said means including a tension device which is operated by both of said armatures, when the latter are drawn out of normal position, without affecting the normal condition of said contact device, but upon return of one of said armatures to normal condition while the other remains attracted by said shading coil, exerts its stored up energy on the movable element of said contact-device to move the latter relative to the other of said elements.

1,589,056. PIPETTE. LOUIS E. DRUMMOND, Williamstown Township, Chester County, Pa. Filed July 1, 1925. Serial No. 40,723. 18 Claims. (Cl. 23—292.)



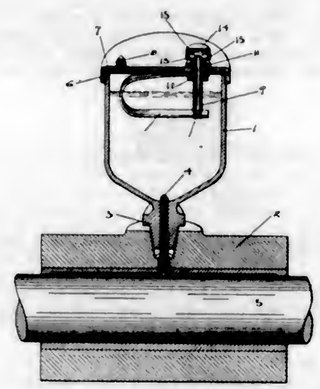
1. The combination with a pipette having a stem and a flexible tube attached thereto, of a member including a cup-stopper carried by said flexible tube at a distance from said stem substantially less than the length of the stem.

1,589,057. SHUTTER FOR AUTOMOBILE RADIATORS. FREDERICK E. ELDER, Rochester, N. Y. Filed Nov. 3, 1925. Serial No. 66,534. 4 Claims. (Cl. 189—62.)



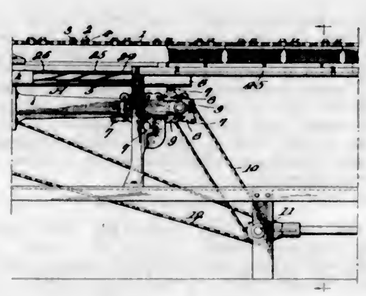
1. A shutter for radiators comprising a frame having horizontal slots and bars separating said slots, and shutter blades each having a covering of sound deadening material hingedly secured to said bars.

1,589,058. OIL CUP. ARTHUR F. ERICKSON, Portland, Oreg. Filed Apr. 30, 1924. Serial No. 710,189. 3 Claims. (Cl. 184—68.)



1. An air sealed oil cup; a tube within said cup communicating with the atmosphere outside said cup; a valve closing said tube within said cup; and a thermostat upon said tube controlling the action of said valve.

1,589,059. CAN-MAKING MACHINE. HENRY A. FINK, Syracuse, N. Y., and ALFRED L. KRONQUEST, Chicago, Ill., assignors to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 17, 1921. Serial No. 493,092. 26 Claims. (Cl. 113—61.)

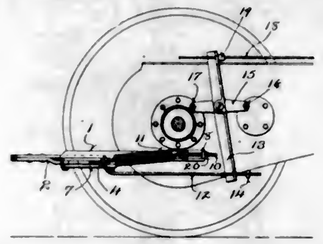


1. A can machine including a supporting horn, means for conveying can bodies along said horn, said horn having a rotatable sleeve, said rotatable sleeve having means for engaging the can body for causing said can body to rotate with said sleeve, said moving means and said sleeve having cooperating devices whereby said sleeve is rotated by said can conveying means.

1,589,060. DRAWBAR CLUTCH CONTROL. WILLIAM H. FIRARI, North Lowell, Wis. Filed June 26, 1925. Serial No. 39,711. 1 Claim. (Cl. 180—14.)

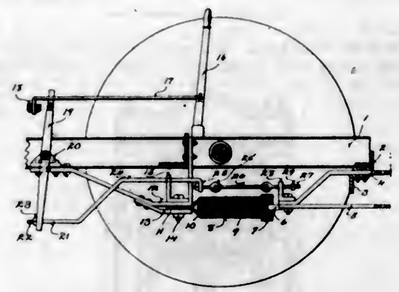
The combination of a tractor, a bearing secured thereto, a vertical lever pivoted to said bearing, a control rod slidably mounted in the upper end of said lever, a stop carried by said control rod against which said lever is adapted to contact, a horizontal lever having one end

pivoted to said tractor, a spring connected adjacent the outer end of said horizontal lever, a rod connecting said vertical lever and said horizontal lever, a draw bar



pivoted intermediate the ends of said horizontal lever, and a strap bolted to said tractor and supporting the free end of said horizontal lever.

1,589,061. DRAWBAR-CLUTCH CONTROL. WILLIAM H. FIRARI, North Lowell, Wis. Filed June 26, 1925. Serial No. 39,712. 2 Claims. (Cl. 180—14.)



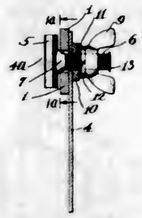
1. The combination of a tractor having a clutch lever, an operating lever, a clutch rod connecting said levers, a vertical lever pivoted intermediate its ends and having its upper end slidably associated with said clutch rod and adapted to move said first mentioned levers, a link connected to the lower end of said vertical lever, a spring housing carried by a stationary portion of said tractor, a draw bar adapted to compress said spring when a load is placed upon such draw bar, and a bracket cooperating with said link to rock said vertical lever and thereby actuate said clutch lever.

1,589,062. IRON CASTING. JOSEPH ERNST FLETCHER, Dudley, and HORACE JOHN YOUNG, Whitley Bay, Northumberland, England. Filed Mar. 18, 1926, Serial No. 95,764, and in Great Britain Oct. 1, 1924. 2 Claims. (Cl. 148—13.)

1. A process for the production of cast iron castings which comprises forming a casting with a predominately pearlitic structure, transforming said pearlitic structure into austenitic structure and decomposing said stable austenitic structure, to a form intermediate pearlite and austenite.

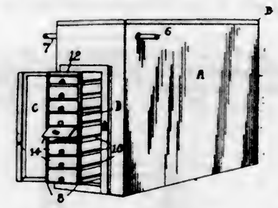
1,589,063. FASTENING MEANS. ANTHONY FONDO, Hackensack, N. J. Filed Apr. 14, 1925. Serial No. 23,062. 5 Claims. (Cl. 40—125.)

1. A fastening device for attaching a license plate to a supporting member provided with a slot of relatively greater length than width, comprising a T head bolt with an integral threaded shank, adapted to pass through a hole in said license plate, said shank having a tapered base of non-circular cross-section adjacent said head and tapering from said head toward said shank, and a nut adapted to cooperatively engage said threaded shank, whereby when said T head is passed through said slot



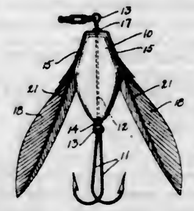
and turned out of alignment therewith it may not be withdrawn therethrough, and when said shank is passed through the hole in said license plate and said nut screwed down on said shank, said tapered base will be forced into said slot and will provide a positive lock against the rotation of said T head bolt.

1,589,064. REFRIGERATING CABINET. RALPH W. GEARHART, Clearfield, Pa., assignor to Gearhart Sales Cabinet Co., Inc., Clearfield, Pa., a Corporation of Delaware. Filed May 22, 1925. Serial No. 32,065. 5 Claims. (Cl. 62—101.)



1. In a refrigerating cabinet provided with cooling means, the combination of an outer casing having a doorway provided with a door, a rack within said outer casing and provided with a plurality of horizontal slideways each adapted to receive a container, and an individual door for the front end of each of said slideways, said door being arranged to close to form a tight closure for the outer end of the slideway after the container has been inserted into the slideway.

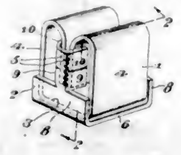
1,589,065. FISHING LURE. HARRY G. GEBE, Maplewood, and EDWARD A. CARPENTER, Morristown, N. J. Filed Aug. 1, 1925. Serial No. 47,394. 8 Claims. (Cl. 43—42.)



1. In a fishing lure, the combination of a buoyant supporting body having a forwardly tapered front end, hook means borne by said body, and a plurality of wing

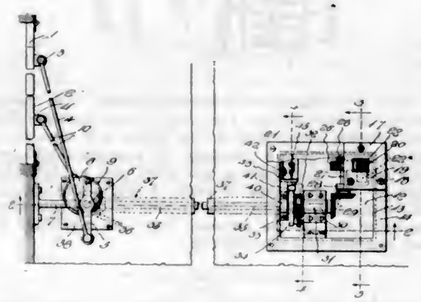
members secured to the body and comprising shafted feathers positioned at the tapering sides thereof and extending rearward with their tips at a relatively large outward laterally angular flare from the longitudinal center of the body due to said taper.

1,589,066. CONTACT DEVICE FOR ELECTRIC SWITCHES. WILLIAM J. GIBBONS, Philadelphia, Pa. Filed Feb. 2, 1922. Serial No. 533,592. 5 Claims. (Cl. 200—166.)



5. A spring contact device for electric switches comprising plate spring contact parts in spaced relation to each other and two sets of spring acting tongues situated in operative relation to the opposite edges of the plate spring contact parts, the said tongues extending inwardly toward each other and those of each set being situated upon opposite sides of the opposite edge portions of the said plate spring contact parts and adapted to contact therewith upon the insertion of a plug, substantially as described.

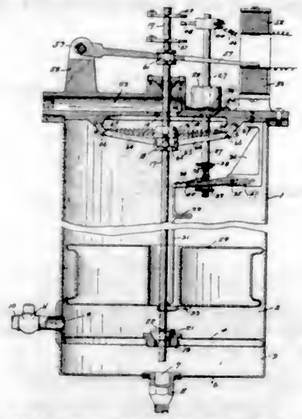
1,589,067. GARAGE-DOOR OPENER AND CLOSER. OTTO M. GILBERTSON, La Crosse, Wis. Filed Mar. 23, 1925. Serial No. 17,789. 4 Claims. (Cl. 268—35.)



1. A garage door operator comprising rotatably mounted shafting positively connected with the door, and pawl and ratchet driving means for said shafting having a wheel-depressed operating member spaced from the door, said pawl and ratchet driving means and said shafting being effective to completely open or to completely close the door upon two successive depressions of said wheel-depressed member.

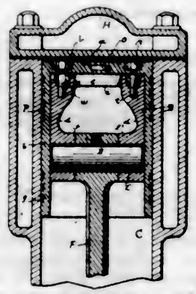
1,589,068. COMBINATION VACUUM TANK AND REGISTERING DEVICE. THOMAS T. GIVENS, Merced, Calif. Filed Feb. 2, 1925. Serial No. 6,481. 7 Claims. (Cl. 103—236.)

1. In a device of the character described, a tank having an intake port, a discharge port, a suction port and a vent port and valves for the ports, float controlled means for mechanically operating the vent valve at maximum and minimum levels of liquid in the tank and



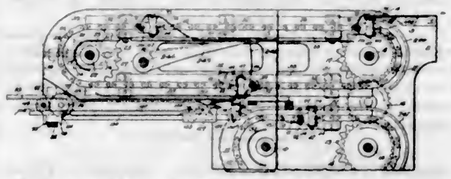
electrical means becoming active upon the operation of the vent valve for effecting operative movements of the suction and discharge valves respectively.

1,589,069. PISTON. PERCEVAL FREELAND GODSTREY and JOHN W. WHITESIDE, New York, N. Y. Filed Nov. 3, 1925. Serial No. 66,480. 3 Claims. (Cl. 74—108.)



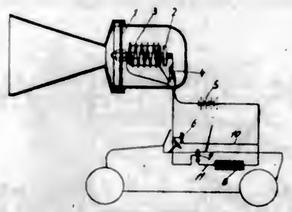
1. In a piston, the combination with a shell having integral head and side walls, of an element removably secured to said head wall and adapted to be removed through the cylinder head, bolts embedded in said element and depressions therein for receiving lugs on said head wall, said element being also adapted to removably support, and give access to, a wrist pin.

1,589,070. VARIABLE SHEET-REGISTERING MECHANISM. EDWIN W. GOODWIN, South Berwick, Me., assignor to Dexter Folder Company, New York, N. Y., a Corporation of New York. Filed Apr. 13, 1922. Serial No. 552,378. 62 Claims. (Cl. 270—81.)



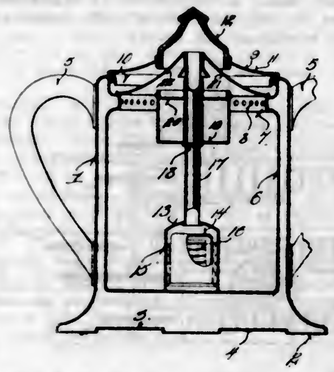
1. In a machine for folding sheets, the combination with sheet folding means operating at regular recurring intervals, of automatic means controlled by the length of a sheet for locating said sheet with respect to said sheet folding means.

1,589,071. ELECTRIC SIGNALING SYSTEM. WALTER HIENLE, Degerloch, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Jan. 18, 1922, Serial No. 529,093, and in Germany Oct. 17, 1921. 2 Claims. (Cl. 177—7.)



1. An electrically operated signaling system comprising, in combination, a signaling instrument having sound producing means, an electromagnet adapted to operate said sound producing means, an energizing circuit for said electromagnet having a source of continuous current and a current interrupter operable by said electromagnet, a manually operable circuit opening and closing switch in said circuit, a shunt around said switch, a choke coil in said shunt and a circuit opening and closing switch in said shunt.

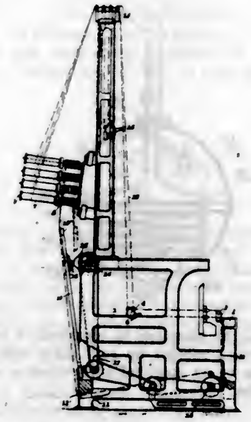
1,589,072. HUMIDIFYING AND AIR-PURIFYING APPARATUS. JULIUS E. HAMACHECK, Two Rivers, Wis., assignor to Metal Ware Corporation, Two Rivers, Wis. Filed July 23, 1925. Serial No. 45,638. 1 Claim. (Cl. 167—3.)



A device of the class described comprising a liquid receiving compartment, an outer shell spaced therefrom and having air entrance apertures adjacent its lower portion, said liquid receiving compartment having apertures for the entrance of air adjacent its upper portion, a shell positioned within said liquid holding compartment and having entrance openings for said liquid, means for heating the liquid within said shell, a tube extending upwardly from said shell and adapted to conduct liquid and steam upwardly, means for distributing said liquid, and a basket for receiving volatile agents positioned below said means and through which said liquid is adapted to percolate.

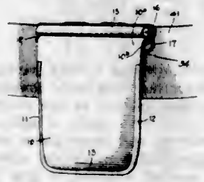
1,589,073. LOOM. ARTHUR J. HARRIS, Paterson, N. J. Filed July 1, 1925. Serial No. 40,799. 3 Claims. (Cl. 139—99.)

1. In combination, with a support and a receiving device journaled therein and on which to wind the goods, a guide arranged offset from the axis of said device and around which the goods extends to said device, a goods shifter normally urged against the part of the goods between said device and guide in a direction generally lengthwise of said axis, said part normally acting to overcome the pressure of said shifter and assume a



plane perpendicular to said axis, and means to impart goods-shifting impulses to said shifter always in the same direction and generally lengthwise of said axis, only at one side of said plane and all within the same zone.

1,589,074. WATERPROOF RECEPTACLE. WILLIAM W. HARRIS, Newport, N. J. Filed Aug. 1, 1924. Serial No. 729,438. 12 Claims. (Cl. 224—26.)

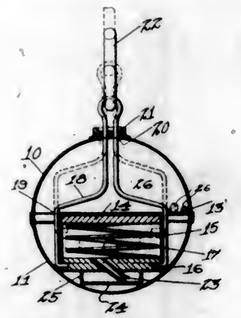


1. The combination of a pouch of impervious material and having an open mouth the material of the sides of which is yieldable, a substantially vertically extending plate, a substantially horizontally extending seat rigidly connected to the upper portion of said plate, said seat having a portion serving as a cam, said seat being disposed to receive said yieldable mouth sides and movable means pivoted to said plate below said seat and coacting with said seat for effecting engagement under compression between said mouth sides to thereby close the mouth of the pouch.

1,589,075. RATTLE. KARL HABENSTEIN, Leominster, Mass., assignor to The Viscoloid Company, Inc., Leominster, Mass., a Corporation of Massachusetts. Filed Oct. 1, 1924. Serial No. 741,039. 2 Claims. (Cl. 46—46.)

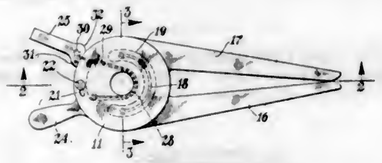
1. As an article of manufacture, a toy comprising a casing having a partition extending across it dividing it into two compartments, said casing having a plurality of separated perforations therethrough in one compartment, a pull loop having a plurality of members extending through said perforations and guided thereby, the partition having a plurality of separated perforations

for the pull loop also constituting guides therefor spaced apart, a plate connected with the end of the pull loop at a distance from the partition, a piece of fabric located in the other compartment, extending around the plate,



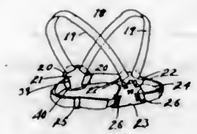
and secured to the partition to constitute a bellows, and a sounding device carried by said plate and located in such a way as to be operated to produce a sound when the plate moves.

1,589,076. CLOTHESPIN. WILLIAM J. HASKINS, Hartford, Conn. Filed Apr. 14, 1925. Serial No. 22,947. 2 Claims. (Cl. 24—137.)



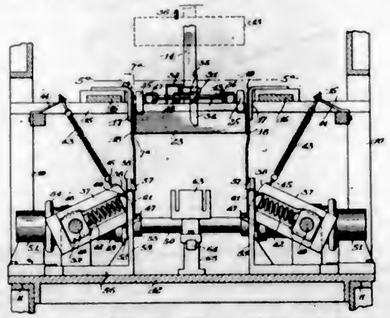
1. A clothespin comprising a body having an aperture to receive the clothesline, said body consisting of a pair of disks rotatable with respect to one another, jaws projecting from the respective disks, a spring urging said jaws to closed position, and finger-pieces projecting from said disks in approximate diametric opposition to the said jaws, and a member adapted to grip the clothesline to retain the pin against longitudinal movement on the said line, one of said finger-pieces being movable on its disk, and the said member being connected to the said finger-piece to be operated thereby.

1,589,077. FRUIT-PICKER'S RECEPTACLE. HARRY STERLING HOOPER, San Francisco, Calif., assignor of one-fourth to A. L. Humboldt. Filed Aug. 27, 1923. Serial No. 659,581. 6 Claims. (Cl. 150—2.)



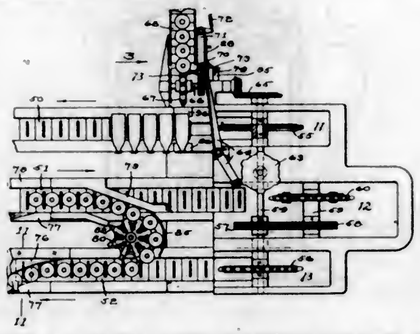
1. In a fruit picker's device, a body engaging harness, a pail, means on said pail, a plate carried by said harness, a plurality of hooks extending from said plate, a latch member carried by the plate and adapted to coact with said hooks to hold the means of said pail clamped between said hooks and said latch member.

1,589,078. PAPER-BOX MACHINE. HARRY A. INMAN and WILLIAM H. INMAN, Newark, N. Y., assignors to Bloomer Bros. Company, Newark, N. Y., a Corporation of New York. Filed Sept. 25, 1925. Serial No. 58,678. 17 Claims. (Cl. 93—51.)



1. In a box making machine, a frame, a former reciprocating on said frame, folding means on the frame cooperating with said former to fold a blank about the same, and a pressing member arranged for rocking movement on the frame in engagement with the folded portions of the blank during movement of said former in opposite directions to effect repeated pressing of said folds.

1,589,079. COOLING AND MIXING MACHINE. JOHN EMANUEL JOHNSON and CHARLES H. OSLUND, Worcester, Mass., assignors to The O & J Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1923, Serial No. 671,238. Renewed Dec. 4, 1925. 12 Claims. (Cl. 62—1.)

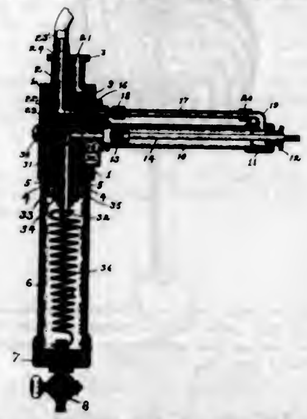


1. In a conveying machine for bottles or the like, the combination with a plurality of tanks adapted to contain water, of a conveyor in each tank, means for operating the conveyors in the adjacent tanks in opposite directions, whereby the bottles or the like can be conveyed along one tank to the end thereof, and movable mechanical means actuated by the motion of the conveyors for transferring the bottles from one conveyor to the other so that they can be transferred back substantially to the starting point.

1,589,080. VALVE MECHANISM. ERNEST P. KYLE, near Eldorado, Ohio. Filed Oct. 3, 1925. Serial No. 60,343. 2 Claims. (Cl. 121—44.)

2. A valve mechanism comprising a body, a plunger slidable in the body, means for limiting the movement of the plunger in each direction, there being a pressure inlet and an outlet duct formed in the plunger and opening through one side thereof, also an outlet duct in the lower portion of the plunger and opening through one side and the lower end thereof, there also being two

ducts formed through the wall of the body which are adapted to register with the said ducts in the plunger by the operation of the plunger, an actuating cylinder connected with one of the upper ducts in the wall of the body, a tube connected with the other upper duct in the wall of the body with the other end of said tube leading into the outer end of the said cylinder, a piston

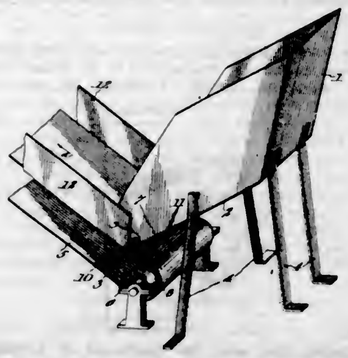


operative in said cylinder with the exhaust from said cylinder, on one side of the piston, being through said tube, and from the other side of the piston the exhaust being through said duct in the lower portion of the plunger, an exhaust cylinder secured to said body and surrounding the lower end of the plunger with the said lower duct leading thereinto and adapted to discharge thereinto, a spring located in the exhaust cylinder for pulling the plunger resiliently downward, and means for adjusting the exhaust from the exhaust cylinder.

1,589,081. ADSORPTIVE CHARCOAL FOR MEDICINAL PURPOSES. RUDOLF ADLER, Carlsbad, Czechoslovakia. Filed Feb. 23, 1921, Serial No. 447,213, and in Czechoslovakia Dec. 5, 1919. 2 Claims. (Cl. 167—7.)

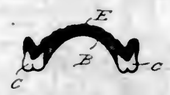
2. A medicinal charcoal preparation in compressed body form consisting of a mixture of powdered adsorptive charcoal, and a plastic clay.

1,589,082. FEED DEVICE FOR BELT CONVEYERS. CHARLES ALBERS, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Apr. 4, 1924. Serial No. 704,252. 8 Claims. (Cl. 198—53.)



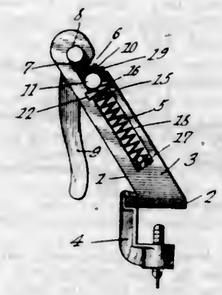
1. In a feed device for belt conveyers, a hopper having an inclined bottom and a discharge end, a conveyer arranged adjacent to and travelling past said discharge end and extending back of the discharge end beneath said hopper, and a bumping member arranged between the bottom of said hopper and normally in contact with the extension of said conveyer and acted upon by said conveyer to strike against the bottom of said hopper, for the purpose specified.

1,589,083. METHOD OF MAKING A DENTURE. CHARLES LEE ALEXANDER, Charlotte, N. C. Filed Apr. 2, 1924. Serial No. 703,768. 5 Claims. (Cl. 32—4.)



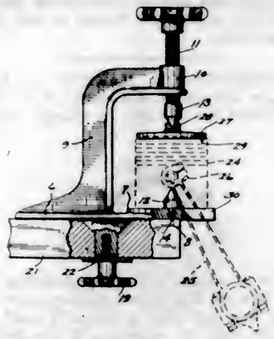
1. A method of making a denture consisting in producing a model from an impression, erecting upon the model a denture in wax including a normally rigid wax base plate, complete with the exception of the fitting of the palatal and alveolar surfaces, producing an impression directly from the mouth directly into said base plate, investing the piece so constructed, removing the waxy material and base plate together with the filler impression material, replacing the removed material by vulcanizable material and vulcanizing the entire piece as a homogenous structure.

1,589,084. AUTOMATIC STEAK BEATER. THOMAS COOPER ALLISON, Dover, Ohio, assignor of one-half to Dayton R. Downey, Highland Park, Mich. Filed Feb. 9, 1925. Serial No. 7,952. 1 Claim. (Cl. 17—26.)



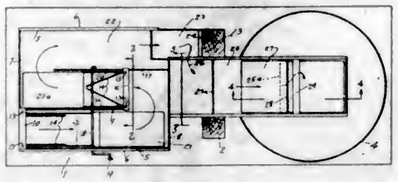
A meat tenderer comprising standards having elongated slots, the standards being provided in their forward edges with openings which communicate with the slots, an upper roller having trunnions journaled in the standards at the upper end of the slots and above the openings, a lower roller having trunnions journaled in the slots and located below the openings, the roller being of such diameter that when they are in contact, the trunnions of the lower roller cannot escape through the openings, means for rotating the upper roller, and springs located in the lower ends of the slots and cooperating with the trunnions of the lower roller to raise the lower roller toward the upper roller, the springs being compressible to permit the trunnions of the upper roller to be moved outwardly through the openings, and then to permit the trunnions of the lower roller to be moved outwardly through the openings, the rollers being independently removable in the order specified, the standards being backwardly inclined with respect to the vertical, whereby the trunnions of the upper roller will ride on the rear edges of the slots and tend to prevent the trunnions of the upper roller from escaping through the openings whilst the meat is being removed and when the rotating means for the upper roller is released.

1,589,085. PISTON VISE. DAVID A. ANDERSON and GEORGE L. ANDERSON, Faribault, Minn. Filed Jan. 29, 1925. Serial No. 5,546. 1 Claim. (Cl. 29—89.)



A vise of the kind described comprising a base having a frame, a hand screw mounted in the frame perpendicular to the base, a pair of axially aligned conical points the one on the base, the other on the hand screw, and a clamping head having a work-engaging surface applicable to the outer edge portion of the head of a piston on the base and having an open seat arranged to loosely receive the conical point on the hand screw by a movement of said screw toward the base, said base having a notch extended radially from its conical point and adapted to receive the connecting rod of the piston.

1,589,086. MOUSETRAP. HENRY J. ANDERSON, Fox Park, Wyo. Filed Sept. 20, 1924. Serial No. 738,881. 1 Claim. (Cl. 43—76.)



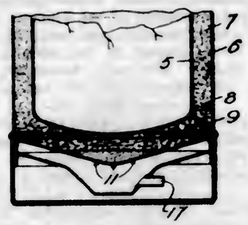
In a trap, a base, a housing upon said base, inner parallel partitions for said housing, each of said partitions being of less extent than the depth of said housing, the inner ends of said partitions being adjacent opposite ends of said housing, a transverse rotary shaft connecting one wall of said housing and said partitions, rocker arms fast to said transverse shaft and arranged in pairs upon opposite sides of one of said partitions, step plates carried by said pairs of rocker arms, swinging doors arranged at opposite ends of one of said partitions and operatively connected in pairs to said pairs of rocker arms, said swinging doors being adapted to alternately open and close as said step plates are alternately raised and lowered, a vertical casing at one end of said housing, a water tank arranged upon said base, a horizontal housing connecting said casing and water tank and having perforations in alignment with perforations in said casing and tank, and a hurdle in said horizontal housing.

1,589,087. REFLECTING SPARKLER. LOUIS V. ARONSON, Newark, N. J. Filed Aug. 21, 1924. Serial No. 733,329. 4 Claims. (Cl. 46—14.)

1. A toy comprising, in combination, a stationary member, a revoluble member mounted thereon, means to actuate said revoluble member, coacting means carried by said members to cause sparks to be thrown tangentially upon relative movement between said members, a reflector carried by one of said members to reflect the light of said sparks, and spirally formed serrations upon

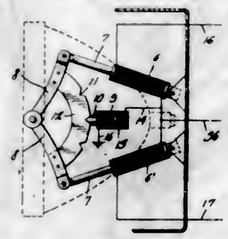
the surface of said reflectors forming continuation of tangents to the path of revolution of said revoluble member to enhance the appearance of revolution by reflection of said light.

1,589,088. VACUUM BOTTLE. GEORGE C. ANTHON, New York, N. Y., assignor to Stanley Insulating Company, Great Barrington, Mass., a Corporation of Maine. Filed Mar. 5, 1921. Serial No. 449,673. 2 Claims. (Cl. 220—10.)



1. A vessel having spaced walls defining between them a space which is to be exhausted, the outer wall having an exhaust aperture therein, a mass of finely divided filler for the space immediately overlying the exhaust aperture, and a distinct mass of more finely divided filler for the remainder of the space, and a pad of steel wool between the first named filler and the exhaust aperture, substantially as and for the purposes set forth.

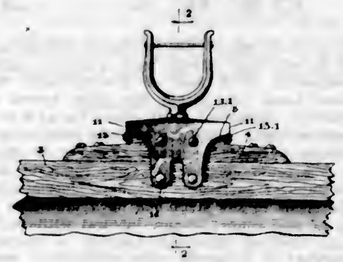
1,589,089. HEADLIGHT-CONTROLLING DEVICE. ERNEST M. BAILEY, Woodsdale, N. C. Filed July 15, 1925. Serial No. 43,818. 1 Claim. (Cl. 240—41.)



In combination with the headlamps of a vehicle, a reflector pivoted in the same so that it can move about its vertical axis, magnetic means for turning the reflector in either direction from a central position, said

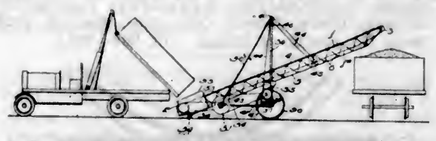
means including spaced diverging solenoids, arms pivoted to the cores of said solenoids and connected to the headlamps, an arcuate shaped plate connecting said arms, having spaced notches in its inner edge, circuits for the magnetic means, a hand operated switch for controlling the circuits, an automatic switch for controlling the circuits associated with the steering mechanism of the vehicle, a hand operated switch for rendering the automatic switch inactive and latch means associated with the magnetic means for holding the reflector in either its central or turned positions, said latch means being of the magnetic type and including a core having its outer end tapered for engagement in any one of the notches in the arcuate plate.

1,589,090. ROWLOCK. PAUL G. BAMBERGER, Chicago, Ill. Filed Nov. 16, 1925. Serial No. 69,461. 2 Claims. (Cl. 9—26.)



1. In a boat, a rowlock mounting comprising a wooden member secured to the side of the boat, and a rowlock socket fitting over said member and having downwardly extending flanges around the sides for securing same and preventing water from penetrating between the adjoining surfaces of the wooden member and said socket.

1,589,091. PORTABLE CONVEYER. HARRY H. BARBER, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a Corporation of Illinois. Filed Nov. 4, 1918. Serial No. 260,934. 11 Claims. (Cl. 198—121.)



1. In a portable conveyer comprising a longitudinally extending frame composed of trusses and upper and lower transverse members connecting the upper and lower chords of the trusses, respectively, head and tail pulleys carried by the frame at its opposite ends, an endless conveyer belt on said pulleys, the upper ply running over the upper transverse members and the lower ply returning between said upper and lower transverse members, diagonal transverse braces extending downwardly from the upper transverse members, and shields carried by said braces over the lower ply of the belt.

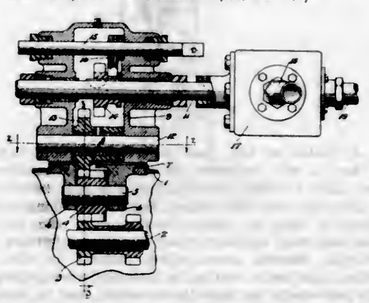
8. The combination of a transversely flexible conveyer belt, troughing rollers engaging and upbending its marginal portions and flights transversely mounted on the belt secured only to the middle portion thereof with their laterally extending portions spaced away from the belt surface.

1,589,092. CUSHION SPRING. JOSIE C. BAREFOOT, Charlotte, N. C. Filed Dec. 18, 1924. Serial No. 756,814. 1 Claim. (Cl. 267—47.)

A cushion leaf spring comprising metal spring leaves, means for fastening the leaves together, a series of resilient strips inserted between successive leaves, metal inserts positioned in the central portion of the resilient strips, said inserts having apertures for a bolt to pass

through, and a reinforcing wire embedded in each resilient strip and encircling the portion of the strip containing the metal insert.

1,589,093. POWER TAKE-OFF MECHANISM. EDWARD R. BARRETT, Detroit, Mich., assignor to Wood Hydraulic Hoist and Body Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 22, 1924. Serial No. 738,985. 4 Claims. (Cl. 74—7.)



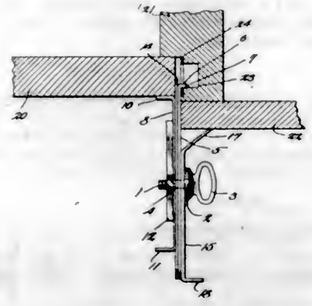
1. In combination, a transmission casing having an opening in a side thereof, a base plate provided with two spaced ears, said ears being inserted through the opening in the casing, a pinion rotatably mounted between said ears and adapted to be driven by said transmission gearing, said base plate having an opening made therethrough, a gear casing located against said base plate, means for securing the gear casing to the transmission casing with the base plate interposed between, two shafts mounted in said gear casing, a gear on one shaft extending through the opening in said base plate and meshing with said pinion, a second gear splined on the second shaft, a shifter rod slidably mounted in said gear casing, and a yoke attached to the rod and operatively connected with the second gear for slidably moving the same on reciprocation of the rod to move the second gear into or out of engagement with the first gear, substantially as described.

1,589,094. LAMINATED MICA PRODUCT. LAWRENCE E. BARRINGER and CHARLES F. PETERSON, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Sept. 13, 1922. Serial No. 588,079. 3 Claims. (Cl. 173—320.)

1. A laminated structure comprising flakes of mica superimposed upon each other and secured together with a reaction product of a polyhydric alcohol and a polybasic acid.

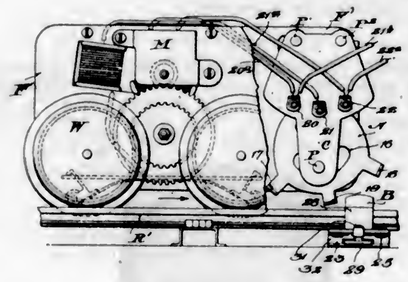
3. A shaped electric insulator comprising flakes of mica secured together in laminated relation with a compound of a polyhydric alcohol and polybasic acid in a substantially nonfusible, insoluble condition.

1,589,095. DOORLOCK. ELI BEAUDIN, Laona, Wis. Filed June 4, 1925. Serial No. 34,908. 1 Claim. (Cl. 292—294.)



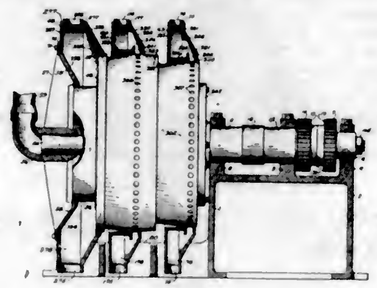
In a device of the class described, a bolt having a head and a nut threaded on the bolt; a retainer, an anchor, and a brace, mounted on the bolt between the head and the nut, the brace having an elongated slot whereby it may be shifted endwise on the bolt, the anchor and the retainer being provided at their inner ends with lateral parts which extend in the same direction, the brace having a lateral door-engaging foot which projects in an opposite direction, and an outstanding flange on the brace and engaging the nut to hold the nut against rotation, the flange being of substantially the same length as the slot, so that the flange will remain in engagement with the nut when the brace is shifted endwise as aforesaid, and being long enough, compared with the total length of the brace, so as to have an appreciable reinforcing effect on the brace, thereby stiffening the brace and enabling it to withstand the thrust which occurs when an effort is made to open the door.

1,589,096. REVERSING SWITCH FOR TOY ELECTRIC TRAINS. HARRY S. BECKER, Chicago, Ill., assignor to American Flyer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed June 30, 1925. Serial No. 40,594. 15 Claims. (Cl. 104—151.)



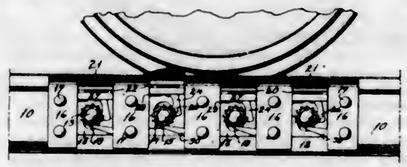
1. In a movable switch for toy electric locomotives, the combination with the motor of a movable switch electrically connected with the motor, a track abutment, and means engaging the abutment a first time to set the switch for operation and then engaging the abutment a second time to completely shift the switch for reversing the current.

1,589,097. APPARATUS FOR CONTINUOUSLY SEPARATING LIQUIDS FROM SOLIDS. HANS C. BEHR, Scarsdale, N. Y. Filed Dec. 4, 1923. Serial No. 678,542. 16 Claims. (Cl. 210—69.)



10. In a centrifuge of the continuous horizontal type, adapted to separate liquors from granular aggregates the combination of a pair of concentrically disposed foraminous cones, one within the other, spaced apart; a substantially horizontal shaft, about the axis of which said cones revolve; means for rotating said cones about said axis as a center; a screw conveyer on the inner one of said cones adapted to move the said material over the interior surface of the outer foraminous cone from the small to the large end by a difference in the rotation of said cones; means, integral with said outer cone and rotating therewith adapted to gather and expel outward in a narrow zone, pure liquor separated at the small part of said outer cone; a receiver for the liquor thus expelled at said zone; a second means, integral with said outer cone, adapted to gather and expel outward, in a narrow zone spaced apart from said first named zone, diluted liquor separated at the large part of said outer zone; a second receiver for the said diluted liquor; a removable partition for varying at will the relative proportions of diluted and undiluted liquors thus obtained; and a third receiver for the washed solids discharged over the large end of said outer cone.

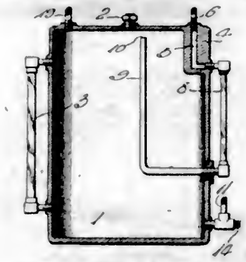
1,589,098. AUTOMATIC RAIL-JOINT FASTENING. MICHAEL BETKE, Denver, Colo. Filed Mar. 19, 1926. Serial No. 95,856. 6 Claims. (Cl. 238—262.)



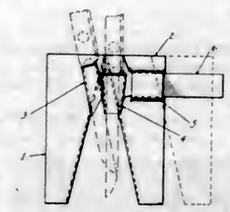
4. In a device of the character described, an operating plate formed with an elongated aperture and a laterally projecting head, an impact head seated on and pivotally secured to said laterally projecting head and a detent pivotally mounted on said plate and engaging beneath said laterally projecting head.

1,589,099. BOILER CLEANER. HENRY BILLINGHAM, Seattle, Wash. Filed Oct. 30, 1924. Serial No. 746,841. 1 Claim. (Cl. 299—84.)

A boiler cleaner comprising a tank intended to contain a cleaning liquid of relatively low specific gravity, the upper end of said tank having a thickened portion formed with a substantially L-shaped port which opens at its ends to the exterior of the upper end and side of the tank, a discharge pipe within the tank having an open upper end in the upper portion of said tank and having its lower end terminating adjacent one side of the tank, a sight-feed tube at the exterior of one side of the tank having its upper end connected to the horizontal branch of said port and its lower end connected to the lower end of said discharge pipe, a discharge line connected to the vertical branch of said port, and an inlet into the lower portion of the tank adapted to admit a liquid of relatively high specific gravity under pressure, whereby to force the cleaning liquid from the tank.

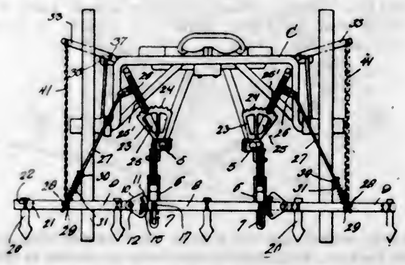


1,589,100. POULTRY STICKING AND BLEEDING FRAME. CARL BOCH, Calgary, Alberta, Canada. Filed Dec. 5, 1925. Serial No. 73,477. 4 Claims. (Cl. 17—12.)



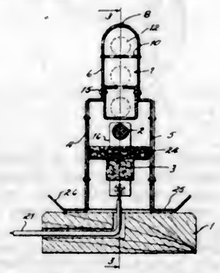
1. In a device of the character described, a frame formed in two sections slidably connected to one another and cut out to form therebetween a V-shaped opening adapted to engage with the head of a turkey or fowl and guideways in the frame communicating at different angles with said opening.

1,589,101. MARKER ATTACHMENT FOR TILLAGE IMPLEMENTS. MARTIN E. BRAMLETT, RAYMOND P. SLADEK, and VICTOR S. SLADEK, Taylor, Tex. Filed May 5, 1925. Serial No. 28,111. 1 Claim. (Cl. 97—230.)



In combination, a wheeled frame, members depending from the frame and provided with vertical slots, an attachment including a horizontal beam, bolts passing through the beam and through the slots of the members whereby the beam may be vertically adjusted, marker blades on the beam, said beam comprising an intermediate section and a pair of end sections, said end sections being pivoted to the intermediate section and provided with arcuately slotted heads, bolts fastened in the intermediate section passing through the slots of the heads, brackets on the members provided at their upper edges with arcuately arranged teeth, levers pivoted to the brackets and having dogs engageable with the teeth, rods pivotally engaged with the levers, eyes attached to the end sections for receiving the rods, stops on the rods, one on each side of the eye, springs disposed between the upper stops and the eyes, chains connected to the forward portions of the frame and extending downwardly and rearwardly and attached to the end sections of the attachment.

1,589,102. CURLING-IRON HEATER. JOSEF BRANDSTETTER, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 755,899. 16 Claims. (Cl. 219—22.)

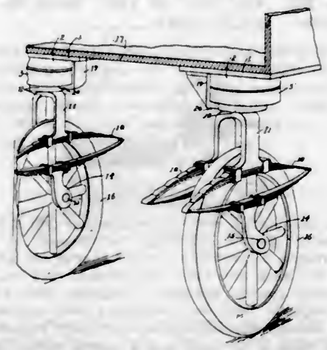


3. A curling iron heater as per claim 2, in which the heat insulating means comprises a member extending substantially from one lateral wall of the casing to the other, and in which the casing has air inlets above the insulating member.

1,589,103. WATERPROOFING COMPOUND AND PAPER WATERPROOFED THEREBY. HERBERT BUFFINGTON, Seattle, Wash., assignor, by mesne assignments, to Buffington Waterproof Paper Corporation, Seattle, Wash., a Corporation of Washington. Filed Mar. 18, 1925. Serial No. 16,580. 2 Claims. (Cl. 134—11.)

2. A paper water-proofed by treatment in a bath containing zinc oxide, 37½%; boiled linseed oil, 5%; white dammar varnish, 39%; starch, 5%; a volatile organic solvent, 12½%.

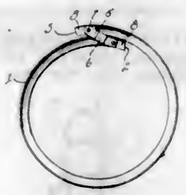
1,589,104. CASTER. GEORGE P. BULL, San Jose, Calif. Filed Sept. 3, 1925. Serial No. 54,256. 2 Claims. (Cl. 16—21.)



2. A device of the character indicated comprising a ball bearing mountable upon the under side of a horizontally movable body, a second ball bearing of less diameter

than the first eccentrically mounted upon the lower side thereof and carrying a wheel supporting element having an offset lower end, a wheel journaled on said offset end, and a stop positioned to engage said second bearing whereby to maintain its axis of rotation offset with relation to the path of travel of the axis of rotation of said first bearing.

1,589,105. VEHICLE TIRE RIM. EDWARD CALUSINSKI, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,248. 1 Claim. (Cl. 301—33.)



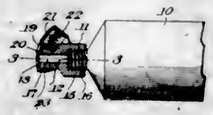
A split rim, said rim having a flange on each side thereof, rim reenforcing projections disposed at the ends of said rim and having their outer surfaces disposed flush with the outer edges of said flanges, said projections also acting as stops when the ends of said rim abut one another, links pivotally secured to said projections, pins securing said links to said projections, said pins being imbedded in said projections whereby said projections provide a solid foundation for said pins, said projections also disposing the inner surface of said links flush with the outer edges of said flanges for permitting the ready swinging of the links past the edges of the flanges.

1,589,106. MEAT WRAPPER AND PROCESS FOR MAKING SAME. COURTLAND C. CAMPBELL, Bowling Green, Ind. Filed Aug. 27, 1925. Serial No. 52,957. 3 Claims. (Cl. 91—68.)

1. The process of making meat wrappers, consisting in taking paper and treating one side thereof with pyroligneous acid, and treating the opposite side with paraffin.

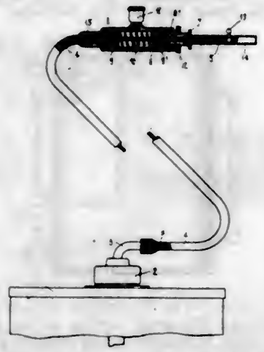
3. As an article of manufacture, meat wrapping paper, consisting of paper treated upon one side with pyroligneous acid and upon the opposite side with some waterproofing substance.

1,589,107. TUBE TOP. JAMES A. CAMPBELL, Jr., Orlando, Fla. Filed Sept. 26, 1925. Serial No. 58,866. 2 Claims. (Cl. 221—60.)



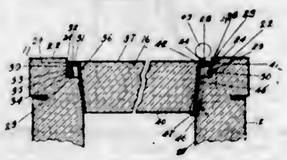
1. In combination with a container having a neck and a discharge opening extending therethrough, a substantially arcuate transversely channel shaped cap adapted to receive the neck and close the opening, said cap having an opening therein adapted to register with the opening through the neck, ears extending from opposite edges of the channel shaped cap and pivotally mounted upon opposite sides of the neck and a spring within the channel shaped cap between one end of the latter and the neck of the container to normally hold the cap in closed position.

1,589,108. FLEXIBLE TRANSMISSION. ETTORE CARETTA, Turin, Italy. Filed Nov. 13, 1925, Serial No. 68,869, and in Germany Nov. 18, 1924. 3 Claims. (Cl. 74—5.)



1. A flexible transmission comprising an outer fluid-impervious sheath adapted to be connected with a receptacle under pressure at one end, a packing member at the other end of said sheath, an inner transmission member passing through said sheath and packing member and a member beyond said packing member and adjacent thereto for actuating said inner transmission member.

1,589,109. SHEET-METAL RECEPTACLE. CLIFFORD G. CARLSON, Jamestown, N. Y. Filed Nov. 3, 1922. Serial No. 598,905. 4 Claims. (Cl. 220—9.)



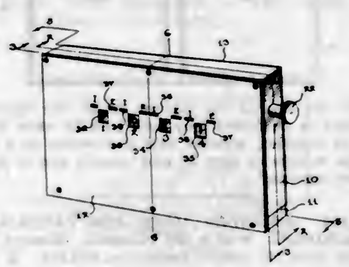
1. A sheet metal double walled receptacle comprising edge strips rigidly joined together to form the frame work, said strips having reversed flanges forming pockets along the sides and a plurality of slots in said flanges, and panels having flanges which enter said pockets, the latter flanges being slotted to provide tongues which enter the slots in the strip flanges and prevent separation of panels and strips.

1,589,110. SLED. FRANK J. CARONIA, New York, N. Y. Filed Apr. 11, 1925. Serial No. 22,407. 4 Claims. (Cl. 280—22.)

1. A sled comprising a body, fixed runner sections on the body and relatively movable runner sections hinged to the fixed sections for lateral swinging movements to steer the sled and movable to a position at right angles to the fixed sections to constitute a brake for bringing the sled to a stop and a runner shoe mounted on the lower edge of each runner section having stems extending upwardly through the runner provided with threaded upper terminals and nuts applied to the threaded upper terminals,

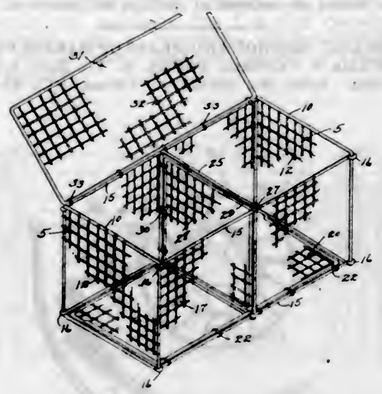
the stems at the forward ends of the fixed sections constituting the hinged connection between the fixed and movable sections, a connection between said movable sections for causing simultaneous lateral swinging movements thereof, the stems at the forward end of the movable sections extending through the connection between the movable sections to pivotally attach the same thereto.

1,589,111. APPARATUS FOR INDICATING THE CYCLES OF INTERNAL-COMBUSTION ENGINES. AMOS JAY CARR, Balboa, Canal Zone. Filed Nov. 14, 1925. Serial No. 69,163. 12 Claims. (Cl. 35—1.)



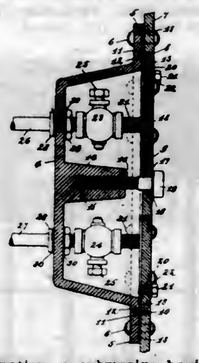
1. A device of the class described comprising a casing, a roller, adapted to be positively driven, an idling roller spaced from the driven roller, an endless curtain trained on the rollers, a plurality of windows in the casing to allow an inspection of the curtain, each window representing a unit of a multi-cylinder engine, the curtain being provided with indicia which when alined with the windows will disclose the simultaneous strokes of the various units of the engine.

1,589,112. COLLAPSIBLE CRATE. GEORGE CHAMBERLAIN, Strawberry Point, Iowa. Filed Mar. 30, 1925. Serial No. 19,449. 1 Claim. (Cl. 220—6.)



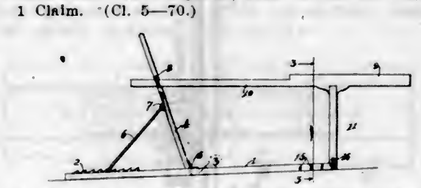
A collapsible crate comprising end frames, parallel rods arranged in pairs and formed with eyes at their ends and also with eyes midway their ends, said end frames being pivotally secured in the end eyes of said rods, a transverse frame pivotally received in the midway eyes, sheets of reticulated material secured to the frames, a top hinged to one of the parallel rods, a bottom hinged to a pair of said parallel rods and reticulated material forming a part of the top and bottom.

1,589,113. SUBMARINE RELIEF VALVE. ELLIOTT LEWIS CHISLING, Brooklyn, N. Y. Filed Oct. 23, 1925. Serial No. 64,436. 2 Claims. (Cl. 114—16.4.)



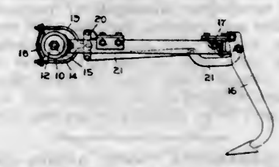
2. In combination, a submarine having an opening in its outer plate, a box or casing, flanges on said box or casing secured to the inner face of the outer plate of the submarine adjacent the wall of said opening, a covering plate located within the opening, flush with the outer plate of the submarine and engaging said flanges, a relief valve in the box or casing communicating with the interior of the submarine, a central post in the box or casing, and a bolt projected centrally through the covering plate and screwed into the post.

1,589,114. RECLINING FRAME. JAMES L. CONNOR, San Jose, Calif. Filed Sept. 27, 1923. Serial No. 665,179. 1 Claim. (Cl. 5—70.)



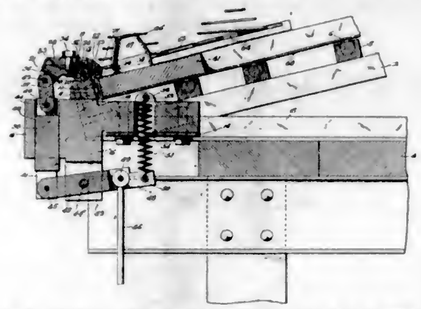
A device of the character described, consisting of a base frame including parallel side members, a back pivotally mounted thereon, means for adjusting the back relative to said frame, guide elements extending from the sides of said back to form guide slots, a tray, arms carried by said tray and having free slidable engagement with said slots, legs rigidly mounted on said tray, and means for rigidly and removably mounting said legs upon said side members at varying distances from said back.

1,589,115. PNEUMATIC DRAFT GEAR FOR THE CULTIVATING TINES OF STUMP JUMP AGRICULTURAL IMPLEMENTS. WILLIAM AUGUSTUS COOMBS, Lancaster, South Australia, Australia. Filed Nov. 6, 1925, Serial No. 67,372, and in Australia Dec. 17, 1924. 6 Claims. (Cl. 97—184.)



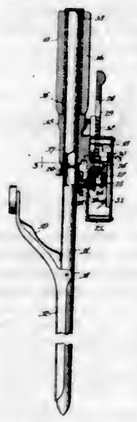
1. In a stump jump implement, means for applying draft to the stump jump tine or body comprising an inflatable pneumatic cushion positioned between a breastplate attached to the implement frame and a saddle having a connection to the stump jump tine or body.

1,589,116. MACHINE FOR FASTENING SPRING STRIPS TO CONSTRUCTION FRAMES. WESLEY S. COSTIGAN, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed May 27, 1924. Serial No. 716,229. 25 Claims. (Cl. 140—3.)



1. A machine of the character described including a crimping mechanism adapted to crimp a marginal frame on the coils of border springs, a form movable by gravity to the crimping mechanism and adapted to carry springs, said form being also freely movable laterally of the crimping mechanism whereby to crimp one spring after another to the marginal frame.

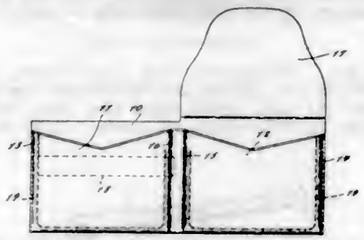
1,589,117. CURLING IRON. JOHN R. COTTER, Brooklyn, N. Y. Filed Aug. 12, 1925. Serial No. 49,799. 1 Claim. (Cl. 132—34.)



A curling iron comprising a handle, cooperatively associated curler elements rotatably associated with the handle, one of said curler elements being carried by the other curler element and having movement with respect thereto to opened and closed relationships and being normally held in a closed relationship to the other curler element, a manipulator arranged for reciprocation and having several manipulating portions, gear teeth on said manipulator, and a train of gears operatively arranged between the gear teeth on the manipulator and one of said curler elements, said train of gears being operable upon the manipulation of the manipulator to cause the rotation of said curler elements in opposite directions.

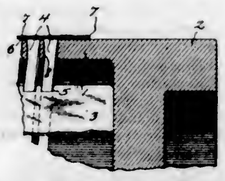
1,589,118. CIGARETTE CASE. ARTHUR COWEN, New York, N. Y., assignor to John H. Wilson Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 6, 1925. Serial No. 7,197. 4 Claims. (Cl. 150—34.)

1. A cigarette case of flexible sheet material having a substantially rectangular body portion, a pair of pockets attached side by side to the body portion with their mouths opening upwardly, said body portion being adapted to be folded between the pockets to bring the pockets together with their sides in contact, and a flap extending upwardly from the top of the body portion



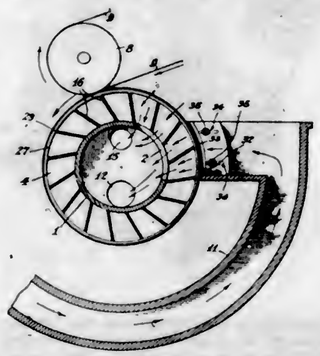
and at one side of the vertical center line thereof and arranged to be folded over both pockets when they are brought together, whereby said flap serves as a closure for the mouths of both of said pockets and to hold the pockets together.

1,589,119. CYLINDER MOLD FOR PAPER-MAKING MACHINES. WILLIS S. CRANDELL, Elsmere, N. Y. Filed July 10, 1922. Serial No. 573,901. 5 Claims. (Cl. 92—43.)



1. An integrally formed cylinder mold for paper making machines, comprising end heads, a hollow cylindrical portion, longitudinal bars extending between the end heads and integrally connected with the latter and with the inside of the cylindrical portion, said cylindrical portion having circumferential openings in its surface.

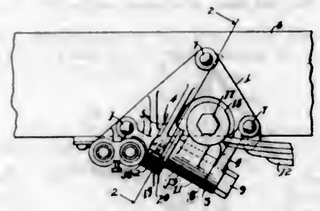
1,589,120. METHOD AND MEANS OF MAKING PAPER. WILLIS S. CRANDELL, Elsmere, N. Y. Filed Aug. 10, 1922. Serial No. 580,821. 6 Claims. (Cl. 92—43.)



4. A paper making machine including: a rotating cylinder mold having a forming surface, a couch roll above said cylinder mold, a stationary tube with in said cylinder mold having an opening in its upper surface terminating short of the point at which a line drawn between the center of the couch roll and the stationary

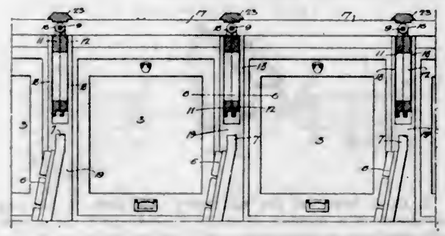
tube intersects the circumference of the tube, and vanes extending inwardly from the forming surface of the mold forming partitions therein, means for supplying liquid stock to the forming surface of the mold adjacent the lower part of the opening of the tube, a vat containing liquid stock to which said supply means are connected, a connection between the lower part of the stationary tube and said vat, and an air exhaust pipe connected to the upper part of said tube.

1,589,121. SHACKLE HANGER. HENRY E. CURTIS, San Jose, Calif., assignor of one-half to John H. Betts, Long Beach, Calif. Filed July 8, 1924. Serial No. 724,861. 1 Claim. (Cl. 267—54.)



A shackle assembly comprising a plate mountable upon the side of a vehicle frame, a thrust receiving element carried thereby and having a face at right angles thereto and directed downwardly with respect to the normal horizontal plane of the frame when mounted thereon and tapped to receive a threaded bolt, an arm carried by said plate in parallel relation to said element, a bolt engaging said arm and element, a sleeve revolubly mounted on said bolt and carrying upstanding spaced arms, a bolt engaging said upstanding arms at right angles to said first mentioned bolt, and a spring mounted on said second mentioned bolt.

1,589,122. OMNIBUS TOP. SAMUEL M. CURWEN, Haverford, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 12, 1924. Serial No. 706,159. 6 Claims. (Cl. 296—137.)

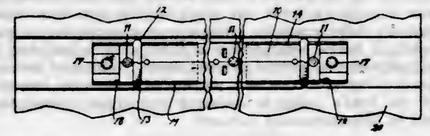


1. The combination in an omnibus having a central aisle, of side walls; a series of posts on each side of the longitudinal central aisle of the omnibus; two series of transverse rods extending from the side walls to the posts at each side of the center of the omnibus; and top sections pivotally mounted on the transverse rods and arranged to be moved into a horizontal position to form a roof or to be turned to a vertical position and suspended from the rods.

1,589,123. LACE. MARC H. DAUDY, Philadelphia, Pa., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 26, 1924. Serial No. 752,479. 4 Claims. (Cl. 96—24.)

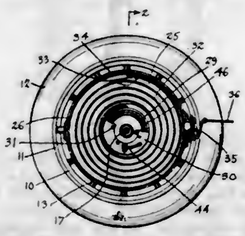
1. A lace fabric having a plurality of open lace sections, the adjacent lace sections being connected by means of a strip of fabric comprising beam threads of minimum extensible qualities, said strips of fabric coordinating with said lace sections to form an artistic lace pattern in the completed lace fabric.

1,589,124. LOOSE-LEAF BINDER. JAMES C. DAWSON, Webster Grove, Mo., assignor to Elma N. Dawson, Webster Grove, Mo. Filed July 9, 1925. Serial No. 42,442. 4 Claims. (Cl. 129—24.)



2. In a loose leaf binder, the combination of a pair of toggle plates articulated at their adjacent edges, two pairs of mating prongs carried by the plates, a short resilient backing plate at each end of the toggle plates, each backing plate having flanges slidably engaging the remote edges of the toggle plates, and means to limit the inward endwise movement of said backing plates.

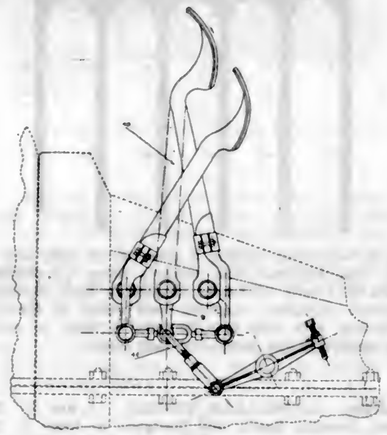
1,589,125. POWER-CONSERVING DEVICE. WILLIAM E. DAY, St. Paul, Minn. Filed Jan. 31, 1924. Serial No. 689,820. 2 Claims. (Cl. 185—41.)



1. In combination with the chassis and wheel of a motor vehicle, a spring positioned adjacent said wheel, means for holding one end of said spring from movement relative to said chassis, means for connecting the

other end of said spring to said wheel and means for subsequently releasing said first named end of said spring from said chassis and connecting it to said wheel and for disconnecting the latter end of said spring from said wheel and holding it from movement relative to said chassis.

1,589,126. CLUTCH CONTROL. WALDEMIR ARANHA MEIRA DE VASCONCELLOS, Rio de Janeiro, Brazil. Filed Nov. 13, 1924. Serial No. 749,757. 4 Claims. (Cl. 74—39.)

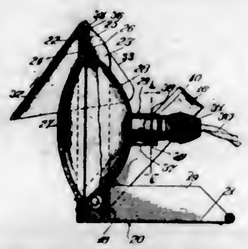


1. In combination with clutch mechanism having a lever, a clutch pedal; a link having one end connected with the clutch lever, the other end of said link being bent at right angles to and connected with the clutch pedal; a brake pedal adjacent the clutch pedal; and a slotted member pivoted to said brake pedal and having its slot engaging the bent portion of said link, whereby as the brake pedal is operated the clutch mechanism will be simultaneously released.

1,589,127. PUNCH. OMER DEVEAULT, Derby Line, Vt. Filed June 8, 1923. Serial No. 644,291. 1 Claim. (Cl. 164—33.)

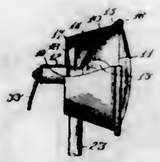
A tool comprising a cylindrical body having a longitudinally disposed socket at one end, said body having a diagonal opening leading into the inner end of the socket, a shank extending from the opposite end of the body, a tapered extremity at the open end of the body and defining a circular cutting edge at the open end of the socket, a longitudinally movable cylindrical ejector normally projected an appreciable distance beyond the cutting edge and defining an edge protector, said ejector also extending for an appreciable distance within the socket and having an elongated axially disposed groove in its periphery, the end walls of said groove defining stop shoulders, a stud extending through the body into the groove for engagement by said shoulders to limit movement of the ejector and a spring also located within the socket and acting to normally force the ejector outwardly.

1,589,128. LAMP FOR MOTOR VEHICLES. CHARLES DOERING and HENRY H. DOERING, Chicago, Ill., assignors to Doering Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1923. Serial No. 658,788. 3 Claims. (Cl. 240—7.1.)



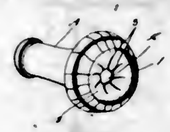
1. In a lamp of the character described, the combination of a supporting bracket adapted to be suspended beneath the body of the motor driven vehicle, a shield secured to said bracket and having an opening therethrough, the wall of the shield about said opening being flanged to provide a socket, means secured to said shield at the forward side thereof to control the light-rays, with a lamp-housing seatable in the socket about the opening in said shield, and means for removably clamping said lamp-housing in place.

1,589,129. MOTOR-VEHICLE LAMP. CHARLES DOERING and HENRY H. DOERING, Chicago, Ill., assignors to Doering Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1923. Serial No. 658,789. 2 Claims. (Cl. 240—41.)



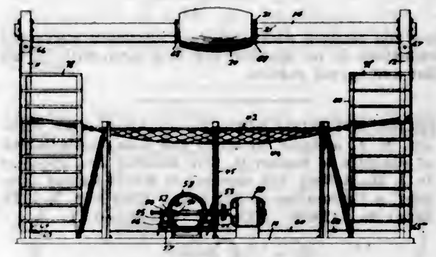
1. In a lamp of the character described, a housing composed of a number of shells spaced apart to provide air chambers therebetween, with the perimeters of two of the shells so related as to permit circulation of air between the walls, a reflector shell removably mounted in the inner shell and flanged at its perimeter, said inner shell being provided with a lamp-holding stem disposed through the other shell of the housing, a lens mounted on the perimeter of the reflector, and a grooved ring adapted to encircle and receive the perimeter of the lens and the flanged perimeters of the reflector and the inner shell of the housing for clamping the parts in place, while the outer shell is held in place by the lamp-holding stem.

1,589,130. TELEPHONE-RECEIVER PROTECTOR. JOSÉ A. DOMINGUEZ, Mayagues, Porto Rico. Filed Apr. 8, 1924, Serial No. 705,134. Renewed Mar. 18, 1926. 2 Claims. (Cl. 179—182.)



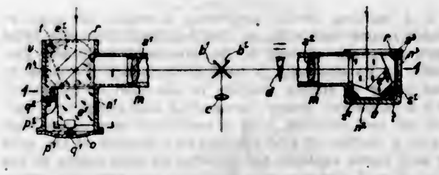
1. A protector of the class described comprising a substantially cup-shaped member having a hole in its central part with slits radiating from the hole.

1,589,131. AMUSEMENT DEVICE. PAT EAKIN, Sunland, Calif. Filed July 6, 1925. Serial No. 41,811. 6 Claims. (Cl. 272—60.)



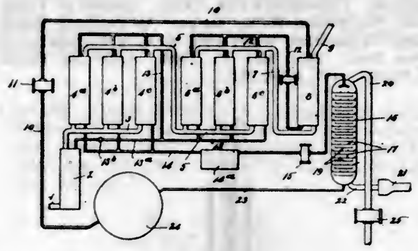
2. In a device of the class described, a supporting structure, a shaft mounted horizontally thereon, and a rotatable and slidable member mounted on the shaft and adapted to support a person, and tension operating means connected with the slidable member and non-rotatable with reference thereto.

1,589,132. TELEMETER. OTTO EPPENSTEIN, Jena, Germany, assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 18, 1921, Serial No. 492,107, and in Germany July 21, 1919. 2 Claims. (Cl. 88—2.7.) (Granted under the provisions of the Act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a telemeter two telescope systems with their objective axes lying in the base line of the instrument, two reflecting systems, each of which being adapted to deflect the rays entering it by 90°, one of these reflecting systems being fixed in front of one of the said telescope systems, and means for fitting the other reflecting system alternately in front of the other telescope and, rotated by 180° in the plane of measurement, in front of the said reflecting system in such a position that in this case the two telescope systems are directed to points lying in the same plane perpendicular to the plane of measurement.

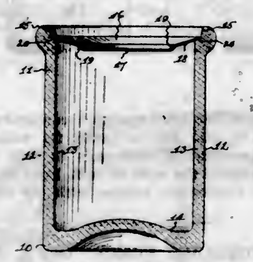
1,589,133. ART OF RECOVERING SULPHUR DIOXIDE FROM GASES WITH WHICH IT MAY BE ASSOCIATED AND APPARATUS THEREFOR. AUGUSTUS H. EUSTIS, Milton, Mass. Filed Feb. 7, 1920. Serial No. 356,814. 16 Claims. (Cl. 23—180.)



1. The art of obtaining sulphur dioxide from smelter smoke or other gases with which it may be associated, which comprises absorbing the sulphur dioxide in a liquid, in the presence of a metallic compound adapted to form therewith an unstable sulphite, soluble in said liquid and not susceptible to oxidation to an insoluble sulphate, and thereafter liberating sulphur dioxide from said sulphite by decomposing the resulting solution.

12. Apparatus for obtaining sulphur dioxide from a solution containing the same, comprising a combined extractor chamber and exhaust steam condenser, means for delivering the solution into the extractor chamber, and means adapted to deliver exhaust steam to said chamber in an amount exceeding that of the solution under treatment, means for withdrawing residual vapors from the extractor, and means for withdrawing liquids therefrom, thereby conducting said liquids and vapors in countercurrent relationship, whereby the combined heat of the exhaust steam and the reduction of the partial pressure of sulphur dioxide in the atmosphere within the extractor resulting from its dilution by steam will liberate sulphur dioxide gas from the solution, and the solution will in turn condense the exhaust steam.

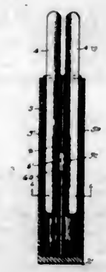
1,589,134. CLOSURE FOR MILK BOTTLES. URBANE J. EWING, Wilkinsburg, Pa. Filed May 20, 1924. Serial No. 714,649. 1 Claim. (Cl. 215—51.)



A container comprising a hollow cylindrical body having parallel inner and outer cylindrical walls, an open top provided with an inner circular seat or crose flaring outwardly, and a cap or closure resting in said seat or crose comprising a circular thin flexible dished disk having a central depressible flat section integrally connected to and surrounded by an inner and narrow dished annular section and an outer dished annular section surrounding and integrally connected with and wider than said inner and narrow dished annular section, said cap or closure adapted to yield to pressure within the container and

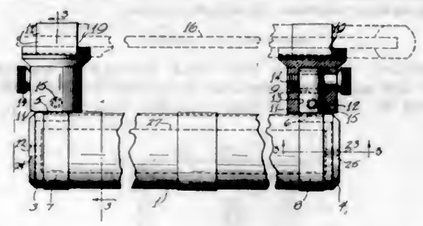
slightly force out radially from the center of the cap or closure the circular edge or periphery of the outer dished annular section against the side walls of the inner circular seat or croze of the container.

1,589,135. THERMOMETER CASE. GEORGE H. FAICHNEY, Watertown, N. Y., assignor to Faichney Instrument Corporation, Watertown, N. Y., a Corporation of New York. Filed Mar. 17, 1926. Serial No. 95,343. 4 Claims. (Cl. 206—16.5.)



1. In a thermometer case, the combination with a tubular body adapted to house two thermometers, and a two-pocket sheath telescoping said body, of means for retaining the thermometers in said pockets, comprising a member of the consistency of sponge rubber adapted to be inserted between said pockets and to tenaciously engage both thermometers, said member being supported by an integral enlargement that engages the walls of said sheath.

1,589,136. AUTOMOBILE ROAD-MAP ROLL. WALTER D. FALL, Indianapolis, Ind. Filed Apr. 11, 1925. Serial No. 22,463. 2 Claims. (Cl. 40—85.)



1. A device of the type described comprising a casing, ends carried by said casing, bands for supporting said casing and for securing said ends to said casing, and means for clamping the ends of each band so as to cause each band to frictionally engage with the casing.

1,589,137. PORTABLE STAND. LEO O. FINCH, Iron Mountain, Mich. Filed May 14, 1923. Serial No. 638,990. 1 Claim. (Cl. 248—41.)

A stand of the character described comprising a hollow pedestal having its lower end enlarged and weighted upon one side thereof, the upper end portion of the pedestal being substantially reduced and interiorly threaded, a sleeve member threadedly received and extending within the upper interiorly threaded portion of the pedestal and having inwardly extending spring members upon the inner sides thereof, a standard having its lower end portion received within the sleeve member and engaged therein by the spring fingers carried thereon and having its free end portion substantially offset and curved, the upper curved end portion of the standard provided with a horizontally disposed sleeve thereon, and a tubular member having its

inner end received within the last mentioned sleeve and terminating at its opposite end in a universally joined offset and curved portion.

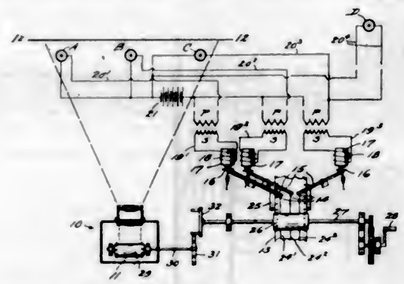
1,589,138. NURSING BOTTLE. CLARK F. FISK, Camden, N. J., assignor, by direct and mesne assignments, of one-sixth to Samuel H. Bell, Reading, Pa., one-third to J. H. McNeal, and one-half to B-N-B Rubber Company, a Corporation of Delaware. Filed Nov. 3, 1924. Serial No. 747,625. 3 Claims. (Cl. 215—11.)

1. A nursing bottle comprising a bottle, the neck of which is provided with an external bead, a nipple fitted upon the neck of said bottle over said bead and provided at its end with a bead surrounding the neck of said bottle in spaced relation to the bead of said neck, and a fluid-tight casing surrounding said bottle and having one end provided with a restricted opening through which a portion of said nipple and a portion of the neck of said bottle extends, the material of said casing at the edge of said opening being yieldable and yieldably fitting against the portion of said nipple surrounding the neck of said bottle between said beads, making a fluid-tight joint between said casing and the neck of said bottle and maintaining said nipple upon the neck of said bottle.

1,589,139. COMBINED MOTION-PICTURE AND SOUND RECORDING AND REPRODUCING APPARATUS. EARL H. FOLEY, Seattle, Wash. Filed Apr. 4, 1924. Serial No. 704,150. 5 Claims. (Cl. 88—16.2.)

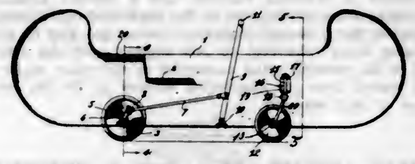
4. The combination in apparatus for effecting synchronization and relative distribution of sounds with

respect to sources in talking motion pictures, means for receiving photographic representations and sound records, means for inducing chronological concurrency in said photographic representations and sound records, and multiple independent sound recording devices for producing



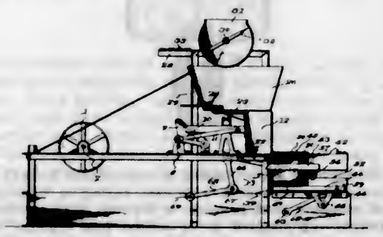
independent linearly co-extensive records, the sound producing qualities of which are chronologically dependent upon the impulse at the source, said sound recording devices having a placement common with the source to be recorded.

1,589,140. TOY VEHICLE. CLARA L. FREY, Philadelphia, Pa. Filed Nov. 14, 1924. Serial No. 749,843. 2 Claims. (Cl. 208—41.)



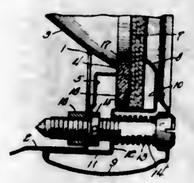
1. The combination in apparatus for effecting synchronization and relative distribution of sounds with respect to sources in talking motion pictures, of a record body, multiple independent sound recording devices associated with the record body for recording thereon independent co-extensive records, the sound producing qualities of which are chronologically dependent upon the impulse at the source, said sound recording devices having a placement common with the source of sound to be recorded, photographic recording apparatus, and means for inducing chronological concurrency between the photographic record and the respective sound records.

1,589,141. BUILDING-UNIT MACHINE. FRED ELMER GALLAGHER, Toledo, Ohio. Filed Jan. 18, 1924. Serial No. 687,095. 4 Claims. Cl. 25—41.)



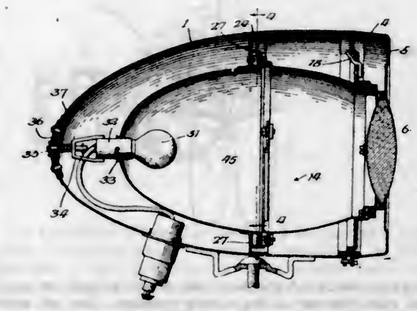
1. In a concrete building molding machine, a bin, means for mixing concrete therein, a slidable hopper below the bin, means delivering mixed concrete thereinto when the bin is turned, means for turning the bin when the hopper is in concrete receding position, a mold box outward of the bin, means moving the hopper over the mold box to deposit the concrete therein, means compressing the concrete in the mold box after the hopper has been returned to initial position, means wiping the surplus concrete from the mold box, means for tilting the mold box to permit of the removal of the molded article therefrom, and means returning the mold box and the elements associated therewith to initial position.

1,589,142. LAMP-DOOR LOCK. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 26, 1925. Serial No. 18,396. 5 Claims. (Cl. 240—41.)



1. A lamp housing comprising a forwardly open casing, a door including a peripheral member having ing a space therein between two parts spaced longitudinally of the casing; the said parts having a pair of perforations alining longitudinally of the casing; a freely rotatable screw extending slidably through the alined perforations and threaded into the casing; a compression spring disposed between the head of the screw and the more rearward of the said spaced parts, the spring being of such length as to be compressed when the screw is threaded into the casing, whereby the screw holds the door against the casing by pressure transmitted through the spring; and push means fast upon the screw and extending laterally beyond the threaded portion of the screw, the said push means being disposed for engaging a part of the door upon partial retraction of the screw from its threaded engagement with the casing, the said engagement causing the further retraction of the screw to push the door off the casing.

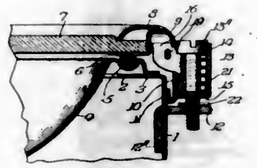
1,589,143. HEADLAMP CONSTRUCTION. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Oct. 5, 1925. Serial No. 60,644. 5 Claims. (Cl. 240—41.)



1. In a lamp, a casing, a door detachably secured to the mouth end of the casing, a reflector comprising forward and rear sections having interfitting tubular end portions, each of the said tubular end portions being

connected to the main portion of the same reflector section by a radial flange, the forward reflector section being secured to the door, a glare filter disposed between the two radial flanges, thrust ring secured to the casing and surrounding the rear reflector section near the forward end of the latter, and spring means carried by the thrust ring and engaging the radial flange on the rear reflector section for pressing the latter forwardly so as to clamp the glare filter between the two radial flanges.

1,589,144. LAMP-DOOR FASTENING. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Dec. 11, 1925. Serial No. 74,678. 5 Claims. (Cl. 240—41.)



1. In a lamp, a forwardly open casing, a door movably disposed at the mouth of the casing, an ear projecting radially outward from the casing adjacent to its mouth, a screw guide projecting radially outward from the door in front of the ear and in alinement with the ear longitudinally of the casing, a screw slidably mounted in the guide and threaded into the ear, a compression spring operatively interposed between the screw and the guide for urging the spring forwardly means associated with the door and casing for limiting the rearward movement of the door wtih respect to the casing to a position in which the guide is spaced from the ear, and stop means carried by the screw for engaging the ear to limit the threading of the screw into the ear to an extent insufficient for fully compressing the spring.

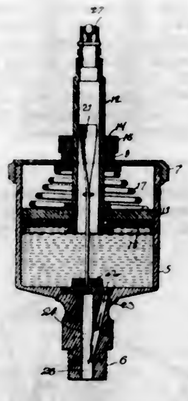
1,589,145. SUPPORT FOR COMMERCIAL ARTICLES. ARTHUR T. GOLLNIK, New York, N. Y., assignor of one-half to Edith P. Wood, New York, N. Y. Filed Nov. 1, 1924. Serial No. 747,224. 5 Claims. (Cl. 229—8.)

5. In a device of the kind described, a pair of supports each having a supporting element, one of said supports representing a distinctive portion of an animate character, the other of said supports representing a distinctive portion of an animate character, and a connection extending from one support to the other and constituting a carrying device for a commercial article.

1,589,146. TOY. ARTHUR T. GOLLNIK, New York, N. Y., assignor of one-half to Edith P. Wood, New York, N. Y. Original application filed Nov. 1, 1924, Serial No. 747,224. Divided and this application filed Dec. 23, 1925. Serial No. 77,183. 3 Claims. (Cl. 46—40.)

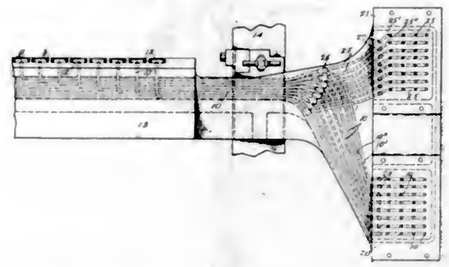
2. A combination figure toy and housing having two supports defining the rearward and forward portions of a four-legged animal character in standing position, the supports being composed of a sheet-like material and parallel to one another, the rearward portion having lower extensions defining the rear legs of the animal character in standing position and the forward portion having lower extensions defining the front legs of the animal character in standing position, and a tubular housing extending from one support to the other and constituting a carrier for a sound producing device, one end of the housing being connected to one support and the other end of the housing being connected to the other support and spaced from the supporting surface by the leg portions on said supports.

1,589,147. GREASE CUP. GOVERT C. GROENEVELD, Hanford, Calif. Filed Apr. 11, 1925. Serial No. 22,380. 2 Claims. (Cl. 184—45.)



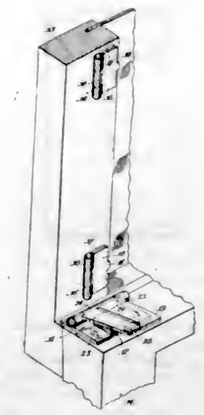
1. In a grease cup, a casing, a cap secured to said casing, a passage connected with said casing, a valve positioned adjacent said passage, a tapered port formed in said valve and adapted to be moved into registry with said passage, a spiral vane secured to said valve, a plunger, positioned in said casing, means carried on said plunger cooperating with said vane for rotating said valve when said plunger approaches said valve.

1,589,148. INKING MECHANISM. JOHN J. HALLIWELL, Tuckahoe, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 16, 1925. Serial No. 56,575. 4 Claims. (Cl. 101—365.)



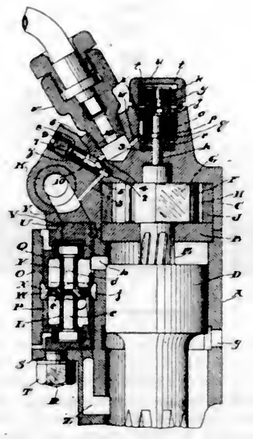
1. In an inking mechanism for printing machines, feeding openings through which ink is fed under pressure for different columns or sections of the matter to be printed, a member to which ink is fed from the openings, and means whereby ink of one grade or color may be fed to any desired opening while ink of another grade or color is being fed to other openings.

1,589,149. CLOSURE-LOCKING DEVICE. FRANK L. HANLE, Kearney, N. J. Filed Apr. 21, 1925. Serial No. 24,831. 4 Claims. (Cl. 70—14.)



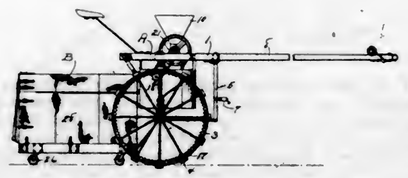
1. The combination of support, a closure movable with respect to said support, a coupling member carried by said closure, and a coupling and locking device carried by said support, said device comprising a slotted plate, means for supporting said slotted plate for movement to active and inactive positions, said coupling member being receivable in the slot in said slotted plate when the latter is in active postion to couple said coupling member and plate to prevent the movement of the closure with respect to the support, and means for locking said slotted plate against movement while it is in its active position, said locking means being operable to release said slotted plate for movement so that it may be disengaged from said coupling member.

1,589,150. AUTOMATIC AIR AND WATER CONNECTION FOR WATER TUBES. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 7, 1925. Serial No. 48,759. 2 Claims. (Cl. 121—10.)



1. In a fluid actuated rock drill, the combination of a back head with a throttle valve in the back head, a source of pressure fluid supply communnecating with the back head and controlled by the throttle valve, a water tube in the back head, a connection secured to the back head for conveying water under pressure to the water tube, a bore between the throttle valve and the water connection, a seat in the bore, a passage leading from one side of the seat to the connection, a passage leading from the other side of the seat to the throttle valve, and a spring pressed valve reciprocable in the bore to normally cooperate with the seat for preventing communication between the passages.

1,589,151. INSECT DESTROYER. LUTHER M. HARLAN, Warren, Ark. Filed Jan. 30, 1925. Serial No. 5,867. 1 Claim. (Cl. 43—127.)

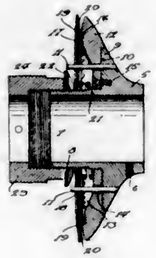


An apparatus of the class described comprising a truck, vapor producing means carried by the truck, a trailer attached to the truck and including parallel brace bars, traction wheels beneath said bars, a braced frame mounted upon the bars, conveying pipes supported upon the bars, having communication with the vapor producing means and arranged within the frame for straddling rows of plants, a plurality of nozzles carried by the pipes, deflectors supported above the nozzles and a removable flexible cover for said frame.

1,589,152. DRILL BIT. CHARLES L. HARRALSON, Casper, Wyo. Filed Aug. 8, 1924. Serial No. 730,923. 2 Claims. (Cl. 255—63.)

1. A cable tool impact drill bit having more than two integral spiral blades or wings extending back from the cutting end of the bit, said blades or wings making less than a complete turn throughout the length of the blade.

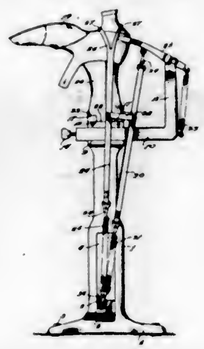
1,589,153. STITCH REMOVER. HARRY HARRIS, Richmond, Va. Filed Aug. 5, 1925. Serial No. 48,349. 3 Claims. (Cl. 12—17.)



1. A device for the purpose set forth comprising a rotatable disk provided on one face with tangential stitch-engaging teeth, a presser plate arranged in proximity to the disk and provided on its face presented to the disk with tangential ribs cooperating with the teeth on the disk, yieldable means tending to hold the presser plate to the disk, yieldable means tending to hold the presser plate out of contact with the disk, and means for preventing relative angular displacement of the plate.

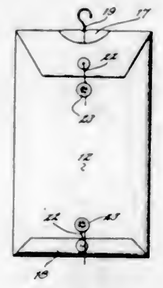
1,589,154. SHOE-REPAIR STAND. HARRY HARRIS, Richmond, Va. Filed Sept. 12, 1925. Serial No. 56,042. 3 Claims. (Cl. 12—123.)

1. In a shoe repair stand, the combination of a standard provided with a flat-sided socket in its upper end, lugs rising from the end walls of said socket above the side walls of the same, a last having a flat-sided tongue at the lower end of its shank to fit within the socket in the standard and provided with transverse shoulders resting upon the upper ends of the said lugs and longi-



tudinal shoulders resting upon the upper edges of the side walls of the said socket between the lugs whereby rotation of the last upon the standard will be prevented.

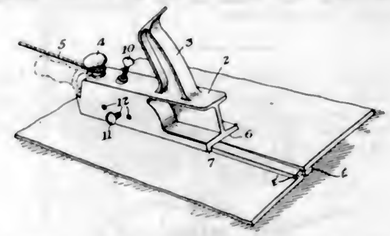
1,589,155. CLOTHES BAG. LAURA F. HARRIS, Kansas City, Mo. Filed Mar. 21, 1924. Serial No. 700,924. 2 Claims. (Cl. 206—7.)



1. A garment protector comprising a back, a foldable top flap extending from one edge thereof and having an opening for the passage of the hook of a garment hanger, an inner foldable front flap extending from one side edge of the back, an outer foldable front flap extending along the opposite side edge of the back, a bottom flap extending from the lower edge of the back and foldable over the outer front flap, detachable means for securing the top and bottom flaps to the outer front flap and foldable wings included in the top flap and arranged upon opposite sides of the hanger hook opening, whereby the contents of the protector may be inspected without opening the top flap.

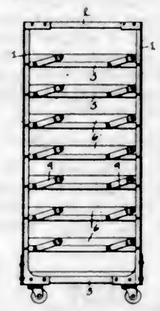
1,589,156. LINOLEUM CUTTER. JOHN C. HARTMAN, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a Corporation of Pennsylvania. Filed Aug. 15, 1922. Serial No. 582,050. 12 Claims. (Cl. 164—73.)

1. In a linoleum cutter, an elongated blade carrying member having a blade receiving opening extending lengthwise thereof, spaced handles on said member, means for clamping the blade in position in said opening,



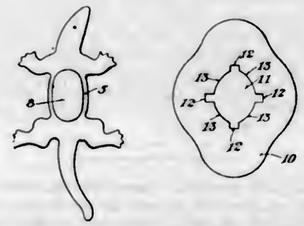
and guiding means on said member adapted to engage the linoleum to be cut, substantially as described.

1,589,157. RACK. CHARLES T. HATCH, Jr., Albion, Mich., assignor, by mesne assignments, to Union Steel Products Company, Albion, Mich., a Corporation of Michigan. Filed Sept. 16, 1924. Serial No. 738,026. 5 Claims. (Cl. 211—14.)



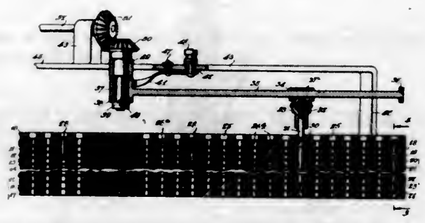
1. In a rack of the class described, the combination of a frame comprising corner uprights, a plurality of shelves, a plurality of ledges mounted on the inner sides of said uprights, and supporting links having inwardly offset upper ends pivotally mounted on the outer sides of said ledges and pivotally connected to the ends of said shelves in coacting pairs whereby said shelves may be adjusted to rest upon the ledges or swung rearwardly and upwardly while maintained in horizontal position, the rear links being adapted to engage the uprights for supporting the shelves in elevated position with the links rearwardly inclined.

1,589,158. STOCKING ORNAMENT. HARRY HEDISON, Providence, R. I. Filed Apr. 17, 1925. Serial No. 23,839. 1 Claim. (Cl. 63—20.)



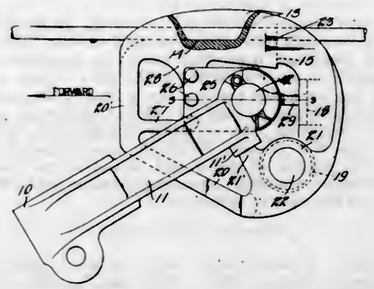
A stocking ornament comprising a plate having upon its back an oval shank with elongated head of greater dimensions than the shank, and a thin flat celluloid retaining plate having an oval opening with radial cavities and resilient lips intermediate said cavities, said plate adapted to lie substantially parallel with the first-named plate to retain a fabric between said plates and on said knob and the two plates being relatively non-rotatable in use.

1,589,159. SELECTOR MECHANISM FOR TYPEWRITERS. GEORGE A. HENRIQUEZ, New York, and ALEJANDRO DIAZ, Brooklyn, N. Y. Filed Nov. 14, 1925. Serial No. 69,169. 1 Claim. (Cl. 200—11.)



A selector mechanism which comprises a body portion of insulating material, a plurality of spaced, conductive plates disposed thereon, a plurality of apertures extending through the body portion of said plates from one surface thereof to the other, said apertures arranged in a spiral manner, said body having a spiral groove formed in one surface thereof, a movable contact brush adapted to be moved in said groove, means for moving said brush and a plurality of contact pins of different lengths adapted to be inserted in the series of apertures to make contact with desired plates, whereby the circuits to which said plates are connected may be energized.

1,589,160. TROLLEY. ANDREW L. HENRY and GILES S. MOORE, Indianapolis, Ind., assignors to Trolley Shoe Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 3, 1925. Serial No. 47,898. 3 Claims. (Cl. 191—59.)

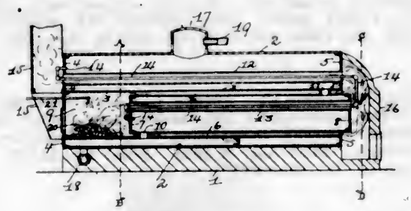


1. In a trolley, an approximately rectangular structure comprising a shoe bearing against the wire during movement in one direction, a wheel engaging the wire during movement in the reverse direction, a bearing therefor, a bridge between the wheel and the shoe also engaging the wire during such reverse movement, a harp, a pin carried by the harp, a bearing on the trolley for said pin, and skeletonized supporting means for such parts including relatively slender side members connecting the wheel bearing with said shoe, and relatively slender cross ribs connecting the wheel bearing respectively to the shoe the bridge and one or more of said slender side members, substantially as set forth.

1,589,161. THERMAL CUT-OUT. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 1, 1923. Serial No. 672,183. 4 Claims. (Cl. 200—127.)

1. An expulsion cut-out comprising an explosion chamber, an insulating passage way connected therewith, a fusible element mounted in said chamber, and a spring biased plunger connected to said fusible element and movable through and out of said passage way upon blowing of said element.

1,589,162. BOILER. JAMES S. HILLYER, Duluth, Minn. Filed May 24, 1924. Serial No. 715,705. 3 Claims. (Cl. 122—140.)



1. In a boiler, the combination of an exterior tank, an interior tank extending into said exterior tank and spaced therefrom, connecting means for permitting the circulation of water from one to the other of said tanks, a fire flue extending through one of said tanks, another fire flue extending through the other of said tanks, and a water circulation pipe extending through both of said flues, one end of said circulation pipe communicating with the interior of one of said tanks and the opposite end of said circulation pipe communicating with the interior of the other of said tanks.

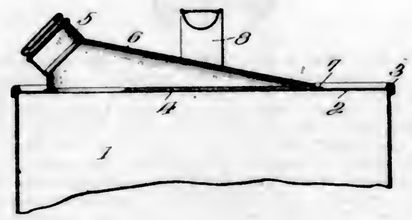
1,589,163. SCREEN AND VENTILATOR. ARTHUR R. HINKLE, Hillsdale, Mich. Filed Sept. 5, 1925. Serial No. 54,837. 2 Claims. (Cl. 156—38.)

1. A device of the character described comprising a frame, formed of rectangular sections telescopically engaged, one section being provided exteriorly with a series of headed studs and the other section being provided interiorly with a series of headed studs, a wire screen for each section, and means on the wire screen detachably engaged upon the studs.

1,589,164. SOCKET FOR INCANDESCENT LAMPS. RALPH HITCHCOCK, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 27, 1922. Serial No. 547,154. 3 Claims. (Cl. 173—358.)

1. In a lamp socket, the combination of an outer shell of insulating material having a cavity extending therein from one end, a screw shell contact adapted to enter said cavity and having a continuous end flange adapted to engage the end wall of said outer shell, a center contact connected to said screw shell through insulation, and flexible arms disposed between said screw shell and the side wall of said cavity for frictionally anchoring the screw shell in said cavity.

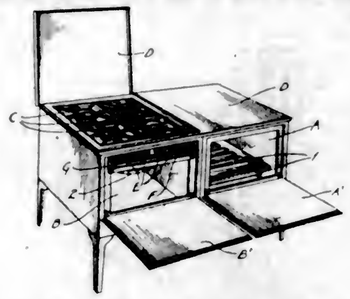
1,589,165. METAL CONTAINER. WILLIAM W. HODGSON, Chicago, Ill., assignor to Continental Can Company Inc., New York, N. Y., a Corporation of New York. Filed Feb. 27, 1925. Serial No. 11,999. 1 Claim. (Cl. 221—11.)



A metal container comprising a rectangular body portion having a the upper end thereof closed, said upper end being provided with a slot therethrough extending from a point adjacent one corner of the body portion diagonally toward the opposite corner and to a point well beyond the center of the container, a pouring spout at the end of the slot adjacent the corner of the container, a supporting breast for said pouring spout, said breast being secured to the end of the container and closing the slot, said breast being shaped to conform to the slot and increasing in height from the far end of the slot to the pouring spout, said spout being attached to said breast so as to project outwardly toward the corner of the container body.

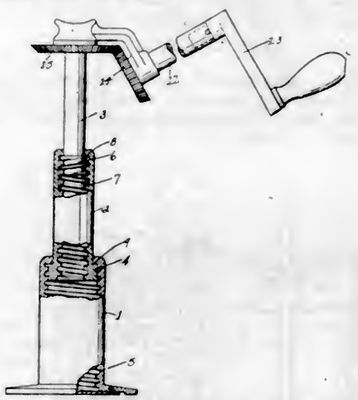
1,589,166. GAS STOVE. HENRY HONER, Belleville, Ill., assignor of one-half to Adolph J. Honer, Belleville, Ill. Filed Oct. 26, 1925. Serial No. 64,893. 5 Claims. (Cl. 126—39.)

1. A gas stove, comprising a baking oven and a broiling oven arranged side by side, top burners arranged in a burner space over the broiling oven, a table top extending over said burner space and adapted to be arranged in an inoperative position when the top burners are being



used, controlling valves for the various burners of the stove, and closures for said ovens and for the front end of the said burner space.

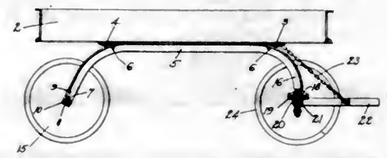
1,589,167. LIFTING JACK. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed June 28, 1924. Serial No. 722,938. 4 Claims. (Cl. 254—102.)



1. In a lifting jack, the combination of an internally threaded standard with an unthreaded bearing portion at its upper end, an internally threaded intermediate section having an unthreaded inwardly projecting flange at its upper end and an external threaded portion at its lower end coacting with the threads of said lower section, a top section having a threaded portion at its lower end coacting with the internal threads of said intermediate portion, the unthreaded flanges of said bottom and intermediate flanges of said bottom and intermediate sections constituting lateral supports for the parts disposed therethrough, a head swiveled upon the top section and provided with a laterally projecting arm, a driving shaft carried by said arm, and coacting gears on said driving shaft and said top section, said driving shaft constituting means for positioning and supporting said head against rotation.

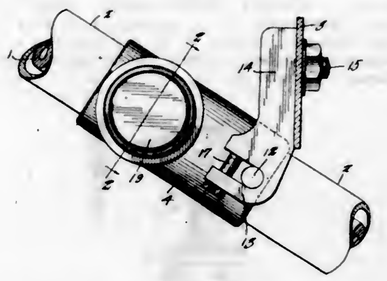
1,589,168. WAGON. ARTHUR O. HUBBARD, Minneapolis, Minn.; Nellie H. Hubbard, executrix of said Arthur O. Hubbard, deceased, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Feb. 23, 1924. Serial No. 694,641. 6 Claims. (Cl. 280—87.5.)

1. The combination with a child's wagon-box, of angle bar reaches secured to the under side thereof and having downwardly turned rear ends, one flange of each downwardly turned rear end being folded back upon itself to



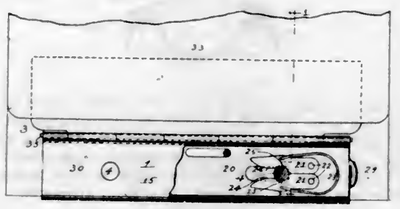
form a loop bearing, and a rear axle fitting within said loop bearing and supported thereby.

1,589,169. STEERING-COLUMN LOCK. LOUIS J. HUGUES, Topeka, Kans. Filed Sept. 25, 1925. Serial No. 58,630. 1 Claim. (Cl. 70—90.)



A lock of the class described, comprising a cylindrical part, a barrel rotatably mounted thereon, a bolt in the cylindrical part, a member slidably mounted on the same, and arranged to engage the head of the bolt, a spring for propelling the member against the head to hold the bolt in retracted position, said member having a recess therein, a cam on the barrel for engaging the member and its recess to move the same to contract the spring or permit the spring to expand, a second spring of less strength than the first for projecting the bolt and combination means for controlling the movement of the bolts.

1,589,170. LOOSE-LEAF BINDER. CORNELIUS EVAN JOHNSON, Grand Rapids, Mich. Filed Oct. 12, 1923. Serial No. 668,096. 4 Claims. (Cl. 129—12.)



1. In a device of the character described: a leaf-binding member having a post provided with lateral recesses; a second leaf-binding member; a bar slidably bearing in the last-mentioned member and carrying a pivotally-mounted catch spring-pressed toward the post and movable by the sliding of the bar to a position wherein it holdingly engages yieldingly in a recess in the post and to another position wherein it disengages the same.

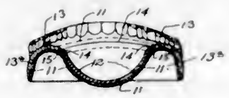
1,589,171. GASKET. CLAUDE B. BAILEY, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Original application filed May 20, 1925, Serial No. 31,484. Divided and this application filed July 18, 1925. Serial No. 44,490. 3 Claims. (Cl. 288—1.)

1. A manifold gasket, having an elongated body made entirely of sheet metal with a plurality of port holes therein spaced apart lengthwise of the gasket body, and a plurality of tubular guide members carried by the body at the respective port holes and bent into folded form from the metal of the body at the port holes, said guides extending outward from the gasket body and having the fold in the metal at the outer edges thereof.

1,589,172. ORIFICIAL INSTRUMENT. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Oct. 3, 1921. Serial No. 505,147. 2 Claims. (Cl. 128—9.)

I. In a device of the character described, a handle, a support extending from the handle, a lamp supported by the support, a reflector tube having an annular portion fitting on the support, a tapered portion therebeyond, a light tube beyond the tapered portion having an opening, and a reflector in the light tube, said opening in the light tube being in line with the reflector and adapted to emit the light from the reflector.

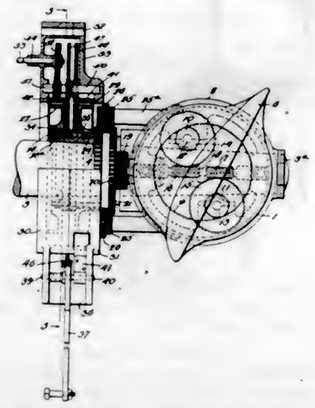
1,589,173. UPPER PLATE OF A SET OF ARTIFICIAL TEETH. PAUL HANKE, Bound Brook, N. J. Filed Oct. 30, 1925. Serial No. 65,796. 2 Claims. (Cl. 32—4.)



1. In an upper plate of a set of artificial teeth a thin lining of pure soft sheet metal on the palatal side of said plate, to allow a perfect form of the mouth to be made, and a reinforcement of smooth rigid metal on the lingual side of said plate soldered to said lining, to render said plate portable and safe from distortion.

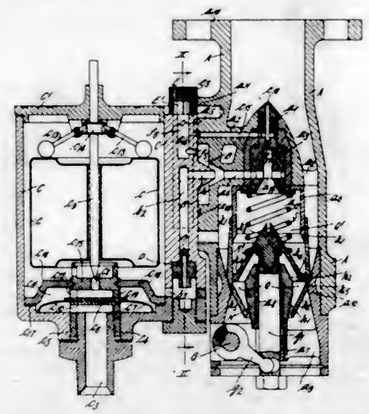
1,589,174. VARIABLE-PITCH PROPELLER. SPENCER HEATH, Elkridge, Md. Filed Aug. 10, 1921. Serial No. 491,202. 18 Claims. (Cl. 244—25.)

1. The combination with a propeller having a blade angularly adjustable about its axis, a shaft for driving said propeller, mechanism for adjusting said blade and simultaneously indicating the angular position thereof, said mechanism comprising two elements normally rotating with said shaft but rotatable relative thereto, means for causing either of said elements to rotate relative to the other and relative to said shaft, means affected by



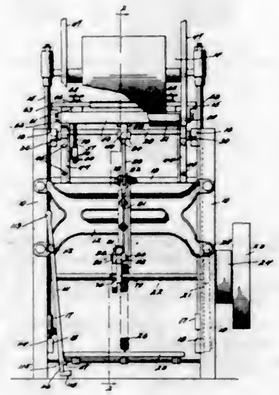
such relative movement between said elements for angularly adjusting the blade and means for simultaneously operating said indicating mechanism.

1,589,175. CARBURETOR. ALBERT SEPTIMUS HODGSON, Farnborough, England. Filed Nov. 16, 1925, Serial No. 69,484, and in Great Britain May 21, 1924. 7 Claims. (Cl. 261—41.)



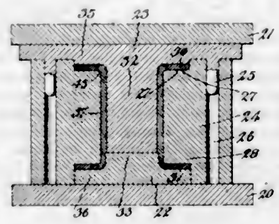
1. In a carburetor, in combination, a main casing having a bore one end of which forms the carburetor outlet, and the other end of which opens to the atmosphere, a constriction in said bore, a hollow throttle axially movable in said bore and controlling the air flow through the annulus between the throttle and the said constriction, a fixed main fuel conduit connected to the fuel supply, a fixed cylindrical sleeve at the forward end of the throttle and into the interior of which the fixed conduit opens and with which the forward end of the throttle makes a sliding joint, aspirating ports in the wall of the throttle the extent of opening of which is regulated by axial movement of the throttle, a perforated partition dividing the interior of the throttle into two chambers, one an expansion chamber into which the main fuel conduit leads and the other a diffuser chamber in the walls of which the aspirating ports are formed and to the rear end of which air is admitted by the controllable means, the said fuel passing to the said diffuser chamber through the expansion chamber, means for controlling the admission of air through the rear end of the throttle which reduce the area for the admission of said air as the throttle is opened, and means for axially moving the throttle.

1,589,176. ATTACHMENT FOR DIEING-OUT MACHINES. WILLIAM HUBBARD, Herkimer, N. Y., assignor to William Hubbard and Fred A. Ray, a Partnership, Herkimer, N. Y. Filed June 24, 1924. Serial No. 722,145. 12 Claims. (Cl. 164—21.)



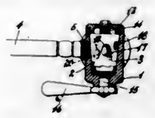
1. In an attachment for dieing-out machines having a stationary die-bed support and reciprocating cutting plate in combination a die mounted on said support below said cutting plate, a feed table above the level of the cutting edge of said die, a depressable extension on said table beneath said cutting plate, a support for a roll of stock at one end of said table, reciprocating means below said table, feeding pins thereon and means to alternately project said pins above and retract them below said table.

1,589,177. COMPOSITE SPOOL AND LIKE ARTICLE AND PROCESS OF PRODUCING THEM. DONALD S. KENDALL, Little Falls, N. J., assignor to Mack Molding Company, Inc., Little Falls, N. J., a Corporation of New Jersey. Filed Mar. 27, 1924. Serial No. 702,244. 21 Claims. (Cl. 18—59.)



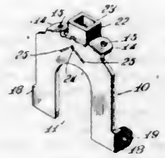
9. A process of producing composite spools and similar articles, comprising pressing and solidifying cementitious material of the character described in sleeve form in contact with originally separate flange members to form a substantially unitary article.

1,589,178. FAUCET. JAMES WILLIAM KENYON, San Francisco, Calif. Filed June 18, 1924. Serial No. 720,773. 5 Claims. (Cl. 251—108.)



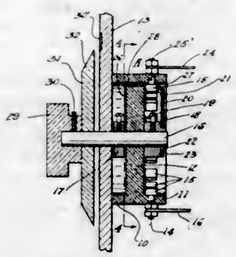
1. A faucet comprising a valve cage having an outlet and an inlet opening therein and formed with a tapered seat, a hollow tapered valve adapted to rest on said seat, said valve being closed at one end and open at the other and having a plurality of ports, a cap secured to said cage completing the closure of the cage adjacent the open end of the valve, a stem projecting from the closed end of the valve through the tapered end of the cage having a handle thereon, a spider at the open end of the valve and a spring tensioned between the spider and the inside of the cap.

1,589,179. JOURNAL-BOX HUB LINER. JAMES KIELY, Winslow, Ariz. Filed Apr. 14, 1924. Serial No. 706,614. 1 Claim. (Cl. 308—165.)



A journal box hub liner comprising a flat plate cut out from the bottom edge to fit about the journal, with the top of the plate provided with a rearwardly offset boss having a lubricant holding cavity and a passage from the bottom of said cavity toward the front face of the plate and terminating on the front face of the plate in a pair of downwardly diverging grooves, the upper and side edges of the plate being provided with lugs, the lugs on the upper edge being arranged on opposite sides of the boss, all of said lugs being apertured and disposed rearwardly parallel with the journal to engage with the journal box.

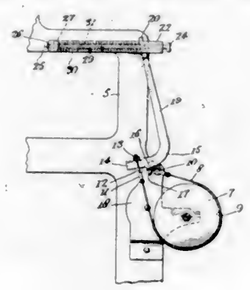
1,589,180. RADIOSWITCH. ARNOLD F. KNOOP, Peotone, Ill. Filed June 22, 1922. Serial No. 570,051. 2 Claims. (Cl. 200—11.)



1. A radio switch including a non-conducting hollow cylinder having a partition intermediate its ends; a conducting shaft passing through said partition; a series of tap posts passing through said cylinder between one end thereof and said partition; contacts on said tap posts in-

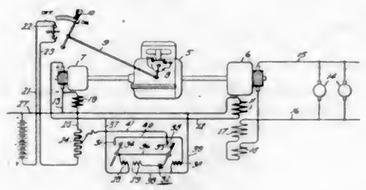
teriorly of the cylinder; a conductor engaging said shaft, leading through said partition and connected to one of said tap posts; and a conductor electrically connected to and movable with said shaft and adapted successively to engage the contacts during rotation of the shaft substantially as described.

1,589,181. LET-OFF FOR LOOMS. FREDERICK W. LANE and FELIX RAMM, Pittsfield, Me. Filed May 27, 1925. Serial No. 33,235. 2 Claims. (Cl. 188—83.)



1. In a device of the class described, a brake drum; a brake band adapted to frictionally engage said drum; a hollow substantially rectangular frame; a threaded rod rotatably mounted in said frame; a nut carried by said rod, said nut engaging a portion of said frame to prevent rotation thereof while permitting of longitudinal movement of the same; an L-shaped lever, one arm of which is connected to one end of said brake band, and the other arm of which is bifurcated to embrace said rod; and a coiled compression spring surrounding said rod between said nut and the bifurcated end of said lever arm.

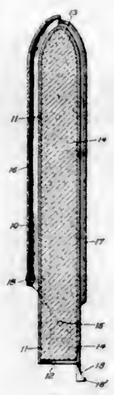
1,589,182. SELF-PROPELLED VEHICLE. HERMANN LEMP, Erie, Pa., assignor to General Electric Company, a Corporation of New York. Filed June 17, 1924. Serial No. 720,713. 2 Claims. (Cl. 290—16.)



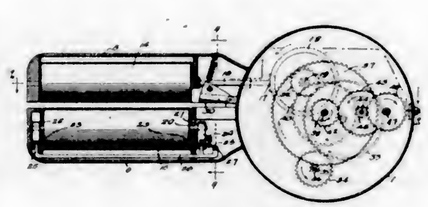
1. In a system of the character described, the combination of an engine, controlling means for the engine, a generator driven by the engine, a load connected to the generator, a differential series field winding on said generator, an exciter for the generator which exciter is driven by the engine, a battery for initially exciting the field of the exciter, and means for opening the battery circuit when the controlling means for the engine is in "off" position.

1,589,183. HAIR-WAVING DEVICE. WILLIAM LEUNIS, New York, N. Y. Filed Nov. 3, 1924. Serial No. 747,600. 2 Claims. (Cl. 132—33.)

1. A hair waving device comprising a tubular heating element, a member pivoted thereto for co-action with said element for securing the ends of the hair therebetween, and a handle pivoted to said element and adapted to co-act with said member when in hair waving position to completely enclose the major portion of said element.



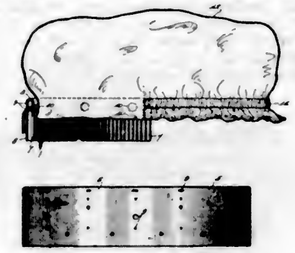
1,589,184. POCKET-CLOTH-MEASURING MACHINE. SAMUEL LEVY, Paterson, N. J. Filed May 26, 1923. Serial No. 641,725. 1 Claim. (Cl. 33—134.)



A cloth measuring machine, comprising a casing having a slot, a fixed rotatable roller arranged in the casing near the slot, a movable rotatable roller arranged in the casing near said slot, a journal pin for said movable roller, means connected with said movable roller and extending to the exterior of the casing adapted to move the movable roller to a point near the fixed roller and away from the fixed roller when manually actuated, said means including a pair of arms pivotally mounted on the journal pin of the movable roller, a bar extending the full length of said movable roller formed with a pair of arms, said arms being pivotally connected with the first mentioned arms and a projection extending from said bar to the exterior of said casing, a dial carried by said casing, a pointer arranged adjacent said dial, and means for connecting the pointer with the fixed roller, said means acting to transmit movement from the fixed roller to the pointer whereby the pointer will be moved in proportion to the rotation of the fixed roller.

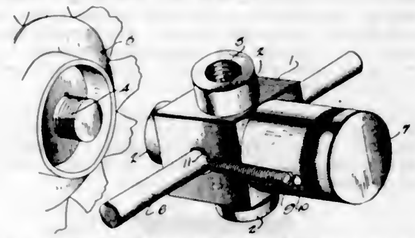
1,589,185. HEADDRESS. RICHARD W. LITHGOW, New York, N. Y. Filed June 3, 1924, Serial No. 717,621. Renewed Mar. 29, 1926. 1 Claim. (Cl. 132—46.)

A head-dress comprising a comb of substantially semi-circular form and adapted to embrace the rear portion of the head, a head-enclosing cap, means for removably securing the cap to the comb throughout the length of the comb, and an elastic element mounted in the front



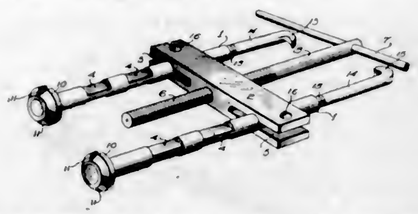
portion of the cap and serving to provide a head-encircling means for retaining the cap in position upon the head.

1,589,186. WHEEL PULLER. EVERETT G. LIVESAY, Huntington, W. Va. Filed Apr. 8, 1925. Serial No. 21,666. 4 Claims. (Cl. 29—85.)



1. In a device of the character described, a block having pairs of extensions formed on opposite faces, said extensions being provided with threaded openings, a handle extending through said block, a driving block adapted to be arranged over one of said extensions, and resilient means for securing said driving block to said handle.

1,589,187. GEAR PULLER. EVERETT G. LIVESAY, Huntington, W. Va. Filed Apr. 8, 1925. Serial No. 21,667. 1 Claim. (Cl. 29—85.)

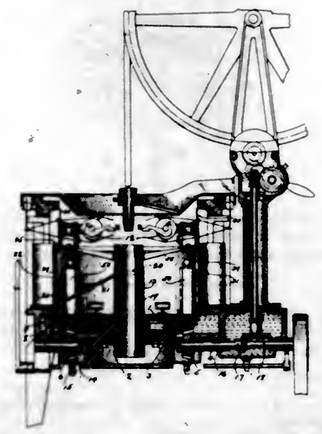


In a device of the character described, a transverse member having a central threaded opening and forked ends, arms adapted to be received in the ends of said transverse member, said arms being provided with a plurality of spaced, reduced portions to permit longitudinal adjustment of said arms in said transverse member, and a threaded operating shaft passing through said opening.

1,589,188. WATERPROOF AND FIREPROOF PAINT. DAVID L. LONG, Oakland, Calif. Filed Apr. 29, 1924. Serial No. 709,801. 3 Claims. (Cl. 134—44.)

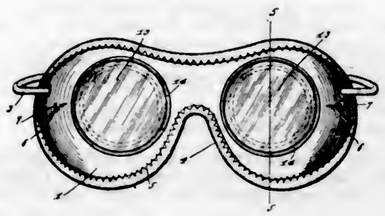
2. A paint comprising linseed oil in the proportion of one gallon, Portland cement, one and one-half gallons, white lead one-half gallon and zinc oxide one-half gallon.

1,589,189. CIRCULAR LOOM. EVARTS G. LOOMIS, Newark, N. J., assignor to The Okonite Company, Passaic, N. J., a Corporation of New Jersey. Filed July 28, 1925. Serial No. 46,516. 1 Claim. (Cl. 139—13.)



1. In a circular loom, the combination of a plurality of jack-guides, jacks slidable in said guides and removable therefrom, and slotted jack cover plates disposed in the path of travel of said jacks.

1,589,190. GOGGLES. ROBERT MALCOM, Chicago, Ill. Filed Nov. 5, 1925. Serial No. 67,084. 3 Claims. (Cl. 2—14.)

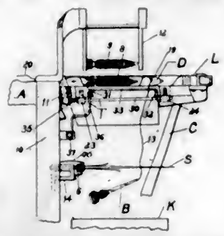


1. In a pair of goggles, a mask provided with a pair of eye openings, an eye cup formed at its inner end with an inwardly extending flange adapted to be positioned against the outer face of the mask and to surround an eye opening, and a flanged collar having its flange abutting against the inner face of the mask, said collar extending through the eye opening in the mask and having its outer edge extended rearwardly and binding directly against said flange to fixedly secure the eye cup to the mask.

1,589,191. WINDING DEVICE FOR LOOMS. JAMES T. MALLOY, Lowell, Mass., assignor, by direct and mesne assignments, of one-half to John J. Henderson, Dracut, Mass., and one-half to Samuel R. Haines, Brookline, Mass. Filed July 5, 1921. Serial No. 482,416. 14 Claims. (Cl. 139—262.)

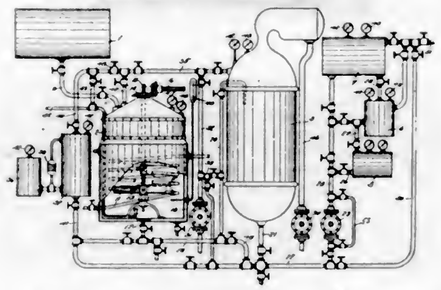
1. The combination with a weft replenishing loom, of a revolving spindle which tapers down to its end having a spring catch extending lengthwise thereof which

is turned up at the end, said spindle being located behind the path of the bobbin as it is ejected from the shuttle, and a trap located in position to positively catch



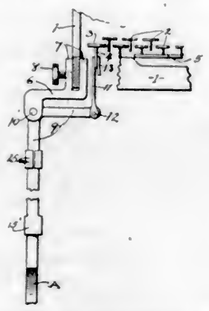
the loose end of the yarn on the ejected bobbin and to positively hold it until said yarn is caught by the catch on the spindle and begins to be wound up by the spindle.

1,589,192. PROCESS OF TREATING MILK. THEODORE C. MANCHESTER, Kent, Wash. Filed Mar. 16, 1922. Serial No. 544,123. 2 Claims. (Cl. 99—15.)



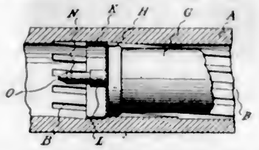
1. A process of preserving the vitamin content of milk which consists in introducing the milk into a container then exhausting the air contained in said milk and said container, then introducing inert non-oxidizing gas within said container and then heating said milk to Pasteurize or forewarm the same.

1,589,193. KEY-SHIFTING DEVICE FOR TYPEWRITERS. ROSE A. MATHEWS, Topeka, Kans. Filed Dec. 22, 1924. Serial No. 757,417. 1 Claim. (Cl. 197—78.)



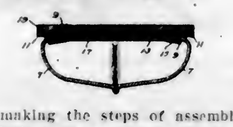
In combination with a typewriter, a bracket positioned on the side frame of said typewriter, the said bracket having jaws passing over the frame from the lower side and firmly fastened with one screw, the leg of said bracket extending outward and being split to receive a bell crank; a bell crank, the pendant portion of which is adjustable longitudinally, said adjustment held by friction clips, a ring on the end of said pendant portion, a link pivotally connected on the opposite end of said bell crank, said link having a hook engaging the shifting bar of the typewriter, said hook being of sufficient length so that the shifting bar may be manipulated by its respective key, independent of said link.

1,589,194. MUZZLE-LOADED MORTAR. GEORGE S. MAXWELL, Washington, D. C. Filed May 12, 1925. Serial No. 29,660. 4 Claims. (Cl. 89—1.)



2. In a muzzle loaded mortar, a barrel for gravity feed of a projectile to its seat, a projectile for the mortar provided with an expansible rifle band, a propellant charge carried by the projectile and ignitable by impact with the breech of the mortar for expelling the projectile and concurrently expanding the expansible rifle band, and means in the barrel for engaging the expansible rifle band and rotating the projectile.

1,589,195. SHOE AND SHOEMAKING. WILLIE B. MAY, Bridgewater, Mass. Filed Nov. 13, 1924. Serial No. 749,651. 8 Claims. (Cl. 36—14.)

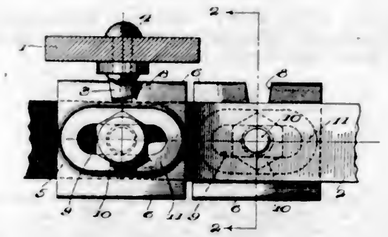


1. In shoe making the steps of assembling an upper having secured thereto a welt strip of crape rubber with an insole having a facing layer of crape rubber and effecting connection of the upper to the shoe bottom by fusing the inner edge portions of the welt with said layer to provide a unitary bottom connected to the edges of the upper and supported by the insole.

1,589,196. GARDEN-IMPLEMENT ATTACHMENT. JAMES MCCARTY, Osage, Iowa. Filed May 21, 1925. Serial No. 31,876. 3 Claims. (Cl. 97—59.)

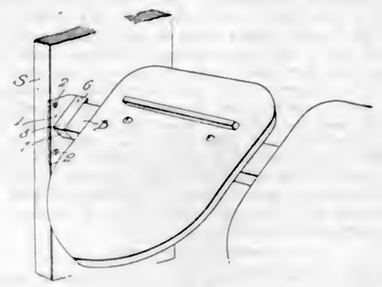
1. A garden implement attachment of the character described comprising spaced forwardly converging members having spaced grouped series of holes therein, means for detachably fastening the convergent ends of the members to opposite sides of an implement handle and means selectively engageable with the holes of one group to vary the disposition of the members and constituting a rest for said handle, and a body engaging harness adjustably engaged with the holes of the other group thereof for suspending and supporting the attachment from a user's body.

1,589,197. ADJUSTABLE STOP FOR LEVERS ON EDGERS. JAMES FRANCIS MCCARROLL, Baton Rouge, La. Filed Nov. 10, 1925. Serial No. 68,174. 4 Claims. (Cl. 74—39.)



1. In combination with the stationary rest bar of an edger, adjustable notch blocks or stops applicable to opposite sides of the bar in confronting positions for the purpose of giving each setting of lever an independent adjustment, and means for holding the stops in place on said rest bar and permitting relative adjustment of the stops including an adjustment in overlapping position, said last adjustment being permissible by the location of the stops on opposite sides of said bar.

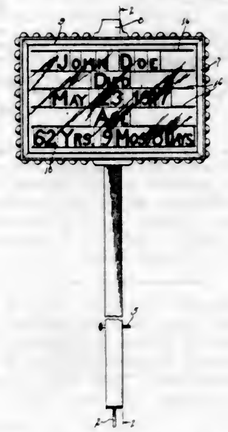
1,589,198. DISPLAY RACK. LAWRENCE S. MCCOMB, Huntington, Ind. Filed Sept. 14, 1925. Serial No. 56,286. 3 Claims. (Cl. 211—14.)



1. A display rack comprising a standard, a base plate fixed to the standard, an elongated channel-like head member, a pivot pin connecting one end of the head member to the plate, a lateral curved slotted arm at the other end of the head member, a supporting bar having one end seated in the channel-like head member, and a locking device carried by the base plate and adapted to co-act with the slotted arm to lock the bar and head member at different angles.

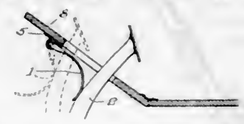
1,589,199. GRAVE MARKER. JOHN MALCOLM MCNEILL, St. Joseph, Mo. Filed June 1, 1925. Serial No. 34,125. 1 Claim. (Cl. 40—124.5.)

A grave marker of the character described comprising an upright standard arranged to be driven into the ground, an outer frame, an inner frame having a marginal wall on all sides and having a solid rear wall arranged for disposition within said outer frame, a legend bearing plate having a plurality of slots thereacross disposed within said inner frame, a plurality of smaller plates having legends thereon and having portions thereof projected through said slots and secured to the plate by turning the projected portions downwardly against the back of the legend-bearing plate, a glass plate forming a cover for the inner frame and resting upon rabbeted portions provided in the marginal walls of said inner frame, a hook-shaped portion integral with the upper edge of said outer



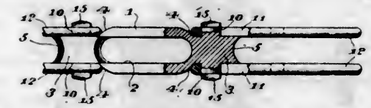
frame, said upright standard adapted to be received in said hook-shaped portion, and means for rigidly securing said outer frame to said standard.

1,589,200. SPRING-RETRACTED SWITCH. GLEN G. MEADE, Chicago, Ill., assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1921. Serial No. 505,478. 2 Claims. (Cl. 200—59.)



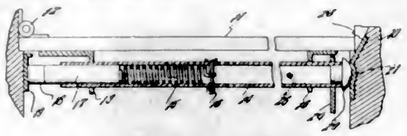
1. A signal switch for use on an automobile, comprising relatively movable contact members and a spring-retracted actuating lever arranged for relatively moving the said members and disposed in the path of the brake lever of the automobile so as to be moved by engagement with the latter when the brake is applied, the said actuating lever moving in substantially the same plane as the brake lever and presenting a convex surface having different portions thereof successively engageable by the brake lever whereby the leverage of the actuating lever decreases during the actuation thereof by engagement with the brake lever.

1,589,201. DRIVE CHAIN. CHARLES FREDERICK MEIER, White Haven, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Dec. 23, 1921. Serial No. 524,348. 8 Claims. (Cl. 74—32.)



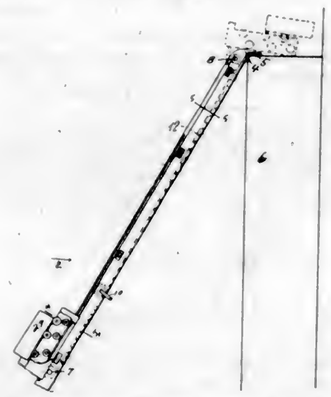
8. A drive chain comprising alternate solid links and links comprising oppositely disposed side members, the said solid links each having a vertical longitudinally extending slot therethrough, the opposite ends of the said slots and of the said solid links terminating in vertical arc-shaped surfaces.

1,589,202. DOOR CATCH. HENRY K. MEIS, Corpus Christi, Tex. Filed Aug. 21, 1925. Serial No. 51,658. 4 Claims. (Cl. 16—49.)



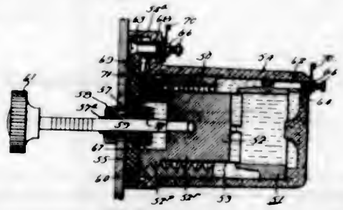
1. A door check of the character described comprising a hollow bar mounted for oscillatory movement upon a door, a plunger arranged within one end of the bar, a stud member positioned within the opposite end of the bar and means included upon diametrically opposite sides of a door frame for engaging the plunger and headed stud carried by the hollow bar.

1,589,203. FREIGHT STACKER. JOHN R. MERRIFIELD, Oakland, Calif., assignor of twenty-four and one-half one-hundredths to George A. Marshall and twenty-four and one-half one-hundredths to W. A. Wilson, both of Oakland, Calif. Filed June 25, 1925. Serial No. 39,453. 5 Claims. (Cl. 214—103.)



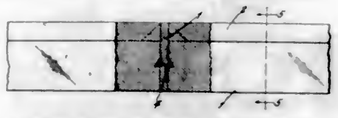
1. A freight stacker comprising in combination a track, a carriage mounted thereon, a cable attached to the carriage at the rear end thereof, such attachment being made to yield transversely relative to the carriage so as to allow the latter to tilt forward at the upper end of the rails and to tilt backward before its downward descent.

1,589,204. VARIABLE CONDENSER. LEWIS H. MILLER, Lakewood, and MALVERN W. SEVERANCE, Cleveland, Ohio, assignors of one-third to Arthur H. Voigt, Cleveland, Ohio. Filed Dec. 14, 1922. Serial No. 606,835. 6 Claims. (Cl. 250—41.)



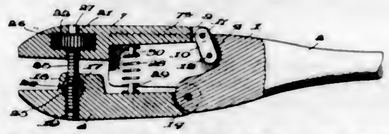
1. A condenser having relatively fixed members each having an electrical terminal associated therewith and a movable static member in capacitative relation thereto and separated therefrom by a dielectric, the fixed members being coaxial cylinders insulated from each other and the movable member being adjustable parallel to the axis of the cylinders, the movable member being coaxial with and enclosed within the cylinders.

1,589,205. METAL JOINT. LEONARD V. MIDDLESWORTH, St. Louis, Mo. Filed Apr. 18, 1925. Serial No. 24,163. 2 Claims. (Cl. 287—51.)



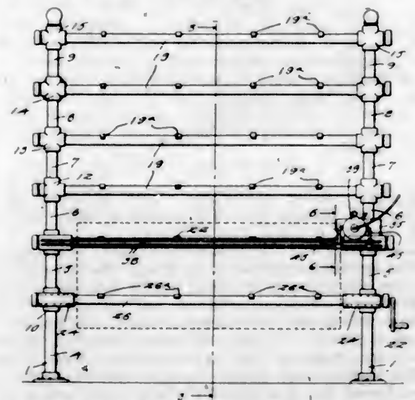
2. In a joint of the character described, the combination of two crossed bars, one of which has a slot therein the bottom wall of which is wedge-shaped and which has opposite flaring portions at the inner end of said slot at opposite sides of said wedge-shaped wall, and the other of which fills said slot and said flaring portions.

1,589,206. WRENCH. GUY H. MILLER, Cambridge, Mass., assignor of one-half to Harry C. Diamond, Arlington Heights, Mass. Filed July 23, 1925. Serial No. 45,654. 3 Claims. (Cl. 81—118.)



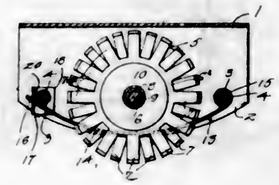
1. A wrench comprising a body, a pair of jaw members pivotally attached to said body at one end of the latter, said jaws having alined bores in the extending portions thereof, one of said jaws having a transverse bore intersecting said first named bore therein, and the other jaw having a transverse aperture intersecting said bore in that jaw, a screw loosely received in the alined bores of said jaws, an operating wheel carried by said screw and protruding from said transverse aperture in one of said bores, a retaining block journaled in the transverse bore of the other jaw, said retaining block having a transverse bore in threaded engagement with said screw, and an expansion spring disposed between said jaws rearwardly of said screw.

1,589,207. LINOLEUM RACK. JOHN EDWARD MILLER, Huntington, W. Va. Filed Jan. 27, 1925. Serial No. 5,155. 3 Claims. (Cl. 211—18.)



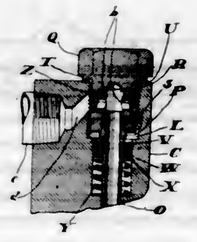
1. A display and dispensing rack, comprising standards, rollers journaled on the standards for supporting rolls of goods, arms carried by and extending forwardly from the standards, a slotted bar carried by the arms, other arms carried by the standards and located below and extending forwardly beyond the first named arms, and a roller carried by the last named arms.

1,589,208. MEAT TENDERER. EVERT MITCHELL, Lawrence, Kans. Filed Jan. 21, 1926. Serial No. 82,774. 3 Claims. (Cl. 17—29.)



3. A meat tenderer comprising a hollow body, a cutter rotatably supported within the body and provided with relatively spaced annular series of radial knives, a guard pivoted at one end to the body and having strips located between the series of knives, and means detachably connecting the other end of the guard to the body, said means comprising a lug carried by the guard and a spring latch carried by the body.

1,589,209. WATER-TUBE CONNECTION. JOHN F. MOCK, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 27, 1925. Serial No. 52,951. 2 Claims. (Cl. 121—10.)

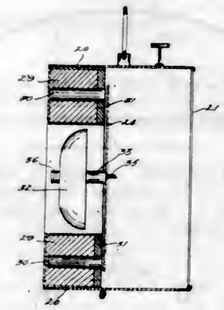


1. In a fluid actuated rock drill, the combination of a cylinder and a back head, a recess in the back head, a water tube extending through the cylinder and into the recess, a bulb near one end of the tube, a disk slidable in the recess forming a seat for the bulb, a water plug to receive the end of the tube and cooperating with the bulb to limit endwise movement of the tube in one direction, a shoulder on said water plug to cooperate with the back head for limiting inward movement of the water plug with respect to the back head, and a spring beneath the disk for holding the disk firmly against the bulb and for holding the tube yieldably in the water plug.

1,589,210. METHOD OF PROTECTING DOCUMENTS. WALLACE J. MURRAY, Boston, Mass., assignor, by mesne assignments, to The Todd Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1922. Serial No. 550,476. 5 Claims. (Cl. 91—67.9.)

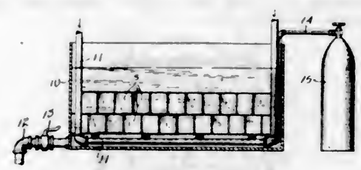
3. A paper impregnated with a mixture of a primary amine, a developer and a nitrite arranged according to a predetermined design.

1,589,211. ELECTRIC BATTERY FOR CLOCKS. BASIL NEWTH and OCTAVIA NEWTH, Sydney, New South Wales, Australia. Original application filed Nov. 26, 1923, Serial No. 677,048, and in Canada Nov. 27, 1923. Divided and this application filed Aug. 16, 1924. Serial No. 732,478. 1 Claim. (Cl. 136—125.)



In electric self-contained timepiece alarms and the like, an annular removable dry cell in which a plurality of carbons are packed in an electrolyte in one zinc-walled annulus, with connective wiring in the non-conducting cover over the electrolyte leading to a positive terminal in juxta-position with a contact isolated on the movement of the clock, substantially as described.

1,589,212. STORAGE-BATTERY SEPARATOR AND PROCESS OF MANUFACTURE. HORACE W. NORDYKE, Indianapolis, Ind., assignor to Indianapolis Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 30, 1922. Serial No. 597,974. 5 Claims. (Cl. 136—150.)

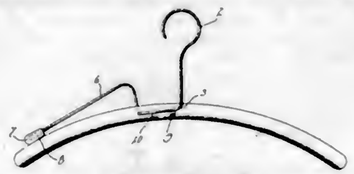


1. The process of completely removing the foreign substances which have been occluded in the cell and infiltrated into the cell structure of the wood by means of subjecting such wood to an operation of dilation as described and to a combined solution and vaporization process by boiling in an open vat, first in a solution of sodium hydrate and carbonate, subsequently washing, neutralizing the remainder of such hydrate with sulphuric acid, adding a salt of sulphuric acid which will form soluble products of the substances it is desired to remove so that they may be washed out and the removal of volatile oils contained in such substances by means of live steam passing through the solution substantially as set forth.

1,589,213. GARMENT HANGER. HAROLD NYGREN, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,709. 2 Claims. (Cl. 223—64.)

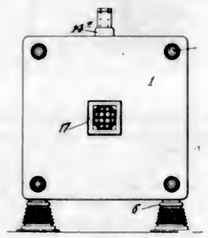
1. A hanger comprising a body portion, a supporting member pivotally secured to said body portion off center.

said supporting member having one end thereof fashioned into a hook and having the other end thereof adapted



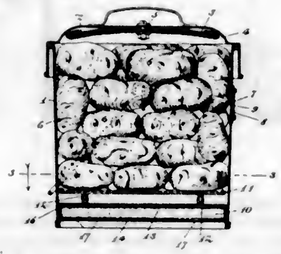
to frictionally engage with the body portion when the hanger is supported, whereby the article carried by the hanger is securely fastened in place.

1,589,214. REACTANCE. SANDOR I. OESTERREICHER, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Apr. 18, 1922. Serial No. 555,057. 7 Claims. (Cl. 175—360.)



1. A reactor including a housing composed of concrete segments formed with recesses, a winding, and insulators of substantially constant dielectric strength held in such recesses and bearing against the winding and insulating the latter from the housing.

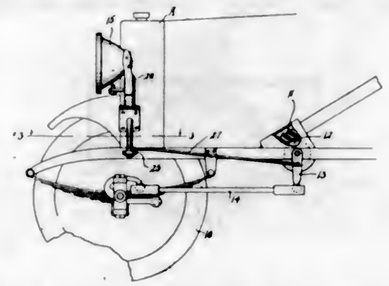
1,589,215. APPARATUS FOR PRESERVING PERISHABLE SUBSTANCES. CHARLES DE FOREST ORDWAY, Burlington, Vt. Filed Apr. 4, 1925. Serial No. 20,853. 2 Claims. (Cl. 99—2.)



1. In an apparatus of the character described, a preserving member comprising a porous substance, and means for protecting the same against breakage while permitting the substance to freely absorb and give off moisture, said means including a sheet metal plate fitting over the bottom of the preserving member with extensions extending over the edge and bent over the top of the preserving member, and a wire mesh covering for the upper surface of said preserving member.

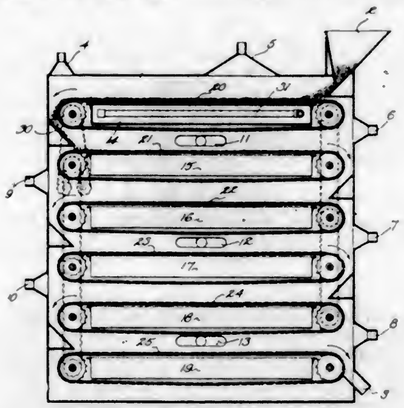
1,589,216. MOVABLE HEADLIGHT. HENRY BENJIMAN PAGE, Delhi, La. Filed Dec. 1, 1924. Serial No. 753,325. 1 Claim. (Cl. 240—62.)

In combination, a support, a headlamp including a post mounted for rotation on said support, said support having an opening through which a portion of the post projects, a hollow tubular member surrounding said post, a flange formed on the lower end of the tubular member and adapted to be attached to said support, an enlarged portion formed on the upper end of the post and reposing upon said tubular member, the upper end of said member being provided with an annular groove, ball bearings arranged in said groove and held



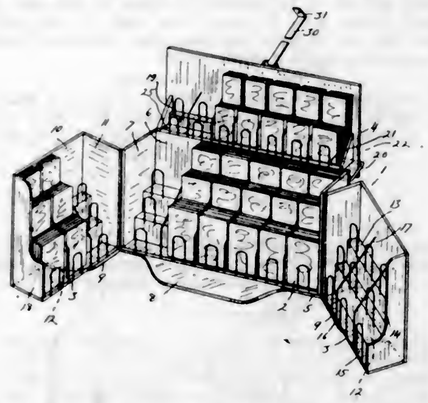
therein by the enlarged portion of the post, a collar carried on the post and arranged adjacent the lower end of the tubular member, a coil spring surrounding the post and bearing against one end of the tubular member and the collar respectively and holding said parts in operative relation and also preventing rattling of the lamp, and means connected with the lower end of the post for turning the headlamp.

1,589,217. RETORT. FRANK PAVELIK, Puyallup, Wash., assignor of one-half to Elmer E. Healey, Puyallup, Wash. Filed Dec. 22, 1922. Serial No. 608,520. 1 Claim. (Cl. 202—14.)



A retort of the character described comprising a casing having a plurality of vertical walls, a feed hopper rising from one side of the upper surface of said casing, superimposed endless conveyors traversing the casing and arranged in horizontal parallelism, means extending from the side walls of the casing for deflecting material from one conveyor to the other, a discharge chute extending from adjacent the bottom of the casing to receive the material from the lowermost conveyor, an oven for each conveyor and being disposed between the runs thereof, each oven being capable of independent operation, whereby the material carried by the conveyors may be subjected to different temperatures and said casing being formed with outlets in each of the vertical walls thereof, and said outlets being disposed between the respective conveyors.

1,589,218. DISPLAY CABINET. JOHN PINTEN, Detroit, Mich. Filed May 12, 1924. Serial No. 712,684. 6 Claims. (Cl. 206—45.)

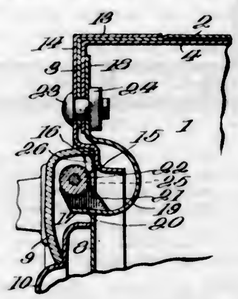


5. In a display cabinet, a main section having a bottom, a display shelf on the bottom of said main section, an extension at the forward edge of the bottom, wing sections hingedly connected to the ends of the main section, the bottoms of said wing sections being cut away to receive the extension of the bottom of the main section, and display shelves on the bottoms of the wing sections, the width of said extension being substantially equal to that of the wing sections.

1,589,219. PAINT AND VARNISH REMOVER. CHARLES M. PIPER, Altoona, Pa., assignor of one-half to Wilbur P. Gettman, Altoona, Pa. Filed Nov. 7, 1923. Serial No. 673,352. 2 Claims. (Cl. 87—5.)

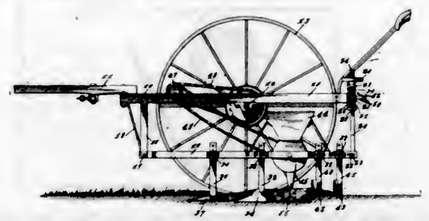
1. A paint and varnish removing compound consisting of a non-inflammable paste containing lye, sal soda, hydrated magnesium sulphate, corn starch, and calcium carbide added to the solution just prior to application thereby liberating acetylene gas and forming hydrated lime.

1,589,220. LATCH. MINARD A. POSSONS, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 19, 1924. Serial No. 721,002. 9 Claims. (Cl. 292—77.)



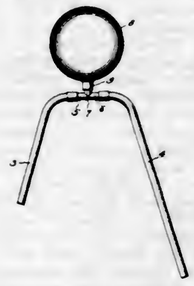
1. The combination with an oven and a door therefor having a door lining provided with an opening, of a latch comprising a vertical leg having an extending horizontal end portion, said latch carried upon the inner front face of the oven, and the extending end of the latch adapted to pass through the door lining opening to engage the door and hold the door in closed position.

1,589,221. ELEVATING AND DEPRESSING DEVICE FOR IMPLEMENT FRAMES. JOSEPH PRIESNITZ, Olmitz, Kans. Filed Mar. 5, 1925. Serial No. 13,216. 1 Claim. (Cl. 97—243.)



In an implement frame of the class described having a main frame and a plurality of auxiliary frames pivotally attached at their forward ends to the forward end of said main frame, a raising and lowering device for each of said auxiliary frames comprising a bracket fixed to said main frame, said bracket having a vertical groove on the side adjacent said frame, a substantially U-shaped member having its bight positioned to slide in said groove and having its legs one above the other below said bracket, said bracket and legs being provided with apertures arranged in vertical alignment, a threaded rod attached to the free end of the auxiliary frame and extended through said apertures, a spring surrounding said rod between said bracket and each leg respectively, and an adjusting wheel threaded upon the upper end of said rod and bearing upon the upper leg.

1,589,222. GASOLINE SIPHON FOR AUTOMOBILES. WILLIAM H. PRITCHETT, San Diego, Calif. Filed June 9, 1925. Serial No. 35,979. 1 Claim. (Cl. 137—20.)

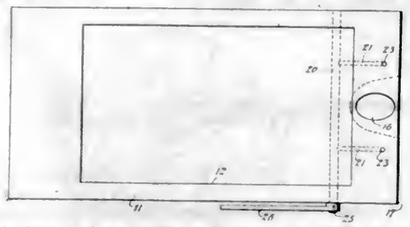


A gasoline siphon for automobiles comprising a T having branches extending in axial alinement and a third branch rising at right angles from the intermediate portion of said first mentioned branches, the said third branch being reduced in internal diameter compared with the coaxial branches to a size sufficiently large only to prevent clogging of same by small particles contained in the gasoline, flexible legs of unequal length to extend over the end of each of said co-axial branches, and a bulb of resilient material having a nipple to engage the end of said third branch.

1,589,223. AUTOGRAPHIC REGISTER. WALTER E. PRATT, Reno, Nev. Filed Mar. 12, 1924. Serial No. 698,762. 2 Claims. (Cl. 281—6.)

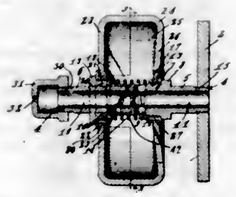
1. In an autograph register, a top plate having a cut-out portion forming a writing space, an opening adjacent its forward edge to provide for gripping the sheets to pull them through the register and a small opening at each side of the last named opening, the forward edge of the plate being beveled to form a cutting edge, a plate of less length than the top plate and arranged below

and spaced therefrom to form a guide for the sheets, a rock shaft below the top plate and having arms with angular ends adapted to enter the small openings of



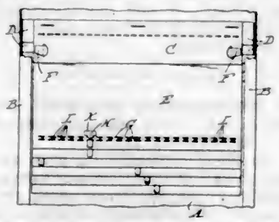
said plate, and an operating lever on the shaft and normally holding the arms of the shaft in engagement with said openings.

1,589,224. AUTOMATIC AIR-CONTROLLING DEVICE. OTTO WILLIAM GUSTAVE RABE, Lancaster, Calif. Filed Apr. 27, 1925. Serial No. 26,213. 4 Claims. (Cl. 137—153.)



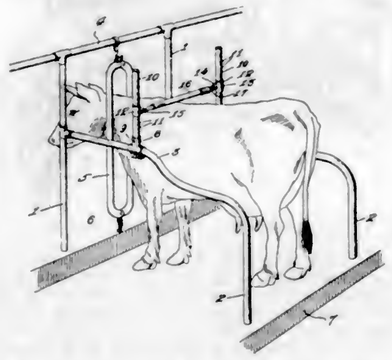
4. An auxiliary air inlet device for internal combustion engines comprising a tubular element provided with means to form a pair of separated air passages, one communicating with the atmosphere and the other adapted to open into the intake manifold of the engine, a circular casing surrounding said element, providing an air chamber and formed with a spring controlled shiftable wall, said element provided with means for establishing communication between said chamber and that passage opening into the intake manifold for controlling the shifting of said wall by the suction action of the engine above a predetermined speed and to provide for a supply of auxiliary air to the intake manifold, said element further provided with progressively increasing means to establish communication between said chamber and that passage communicating wtih the atmosphere to supply auxiliary air to said chamber, slidable means mounted on said element and actuated on the shift of said wall for controlling the supply of air through said progressively increasing means to said chamber, said element provided with a stop for limiting the closing movement of said slidable means, and a controlling spring for said wall, said spring mounted on said element and slidable means.

1,589,225. CARD-INDEX DEVICE. JAMES H. RAND, JR., Tonawanda, N. Y. Filed Oct. 26, 1923. Serial No. 670,838. 4 Claims. (Cl. 129—16.7.)



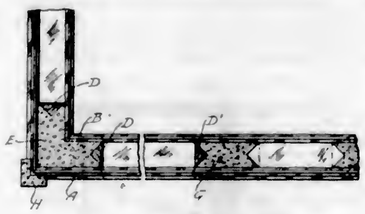
1. In an index device comprising a plurality of index members disposed in overlapping relation with the edge portion of each member projecting and exposed beyond an adjacent member, the combination of a plurality of signal-holding parts on each card disposed so as to be concealed by an adjacent card, a signal tab having a part adapted to be releasably engaged by any one of said holding parts to secure it in place on said card, and said tab having a part projecting beyond said adjacent card to act as a visible signal.

1,589,226. RESTRAINING DEVICE. DOMINIC E. REGAN and JAMES G. MARTIN, Philadelphia, Pa. Filed Feb. 5, 1926. Serial No. 86,278. 1 Claim. (Cl. 119—27.)



A stall, uprights secured to the sides and projecting beyond the upper edges of the said sides of the stall, each of said uprights having a vertical series of apertures therethrough, a socket slidable on each upright, an element passing through each socket and through one of the apertures of the uprights for adjustably sustaining the sockets thereon, eyes on the confronting faces of the sockets, a cross bar comprising adjustably associated sections, hooks on the ends of the cross bar to engage with the eyes of the sockets, and latching means for holding the hooks in such engagement.

1,589,227. WALL SLAB. JOSEPH RINKENBAUGH, O'Fallon, Ill. Filed Apr. 18, 1924. Serial No. 707,378. 1 Claim. (Cl. 72—29.)

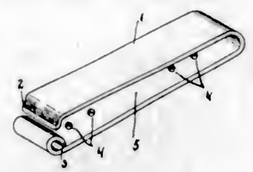


A house having walls that are built up of inner and outer slabs of molded material, arranged edgewise in superimposed relation, and molded posts or uprights between said slabs integrally connected to same and provided in their longitudinal edges with substantially V-shaped pockets that are adapted to receive door frames or window frames.

1,589,228. LINGERIE CLASP. CHARLOTTE F. A. ROBB, Boston, Mass. Filed July 6, 1925. Serial No. 41,737. 1 Claim. (Cl. 24—259.)

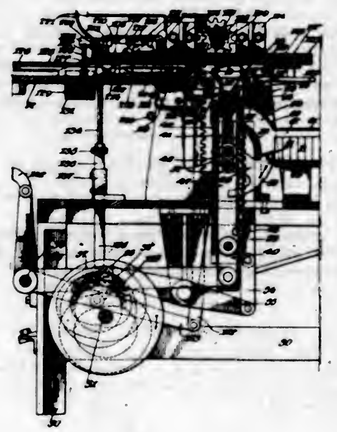
A lingerie clasp comprising a U shaped member of spring metal, one side of said member having openings therein for the passage of stitching therethrough whereby the clasp may be secured to an article of wearing apparel,

said side terminating in a bent-around loop constituting a spring abutment and retaining means, the other side of said U shaped member having an offset portion near



its free end, said off-set portion terminating in a straight edge for cooperating with the end of said bent-around loop retaining means to releasably close the clasp.

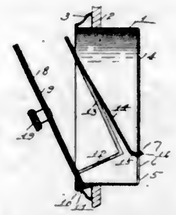
1,589,229. WRAPPING MACHINE. WILLIAM ROBERTS, Savannah, Ga., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed May 6, 1924. Serial No. 711,332. 15 Claims. (Cl. 93—2.)



1. In a wrapping machine, the combination with wrapper folding mechanism, an article elevating element reciprocative toward and from said mechanism, and means for feeding wrappers into the path of the said element and below the folding mechanism, of means for supporting and feeding a row of articles in a path below the level of the folding mechanism, a transfer device movable to and above the delivery portion of said feeding and supporting means and operative to receive a prescribed number of the leading articles and carry them upward to and deposit them upon the elevating element, and mechanism for operating said element and transfer device in timed relation to each other.

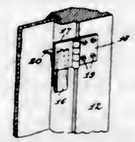
1,589,230. CONTAINER. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a Corporation of Michigan. Filed May 28, 1925. Serial No. 33,440. 3 Claims. (Cl. 206—31.)

1. In a device of the character described: a guide having a main portion and a cross-sectionally restricted extension; a container having a swinging movement and provided with a member spring-pressed toward the guide and having a portion adapted to slidably bear in the guide's main portion during a part of the container's movement, and a cross-sectionally restricted end portion



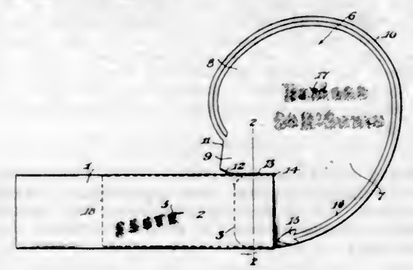
adapted to slidably bear in the said extension of the guide during another part of the movement of the container.

1,589,231. WINDOW WEDGE. SIDNEY J. RUMBOLD, Paterson, N. J. Filed Dec. 17, 1925. Serial No. 76,039. 2 Claims. (Cl. 292—194.)



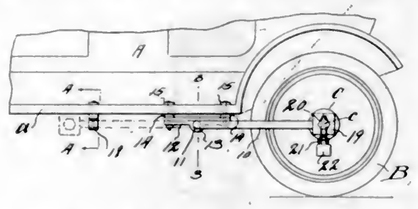
1. A window wedge unit adapted to be attached to a sliding sash and including a leaf hinge, a V-shaped wedging member of spring metal having one end attached to one leaf of the hinge, and including a laterally projecting lip at its other end.

1,589,232. COMBINED DISPLAY AND ATTENTION-DIRECTING CARD. FREDERICK B. RYAN, New York, N. Y. Filed June 26, 1925. Serial No. 39,786. 3 Claims. (Cl. 40—7.)



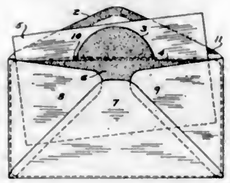
1. A combined article of merchandise display and attention directing device for detachable connection to the end of a carton containing such merchandise comprising a vertically disposed body portion of an area to contain means for displaying the properties of and for directing attention to the article with which the device is employed, and an attaching tongue projecting laterally from the inner side of the lower part of said body portion for insertion into one end of the carton with which the device is used to maintain said body portion extending upwardly at right angles with respect to said end, the lower end of said tongue forming a continuation of the edge of the body portion to space the latter from the support for the carton, said body portion of materially greater height than that end of the carton with which the body portion is detachably connected.

1,589,233. AUTOMOBILE LOCK. WALTER E. SCHNEIDER and MERRITT F. SCHNEIDER, Quincy, Calif. Filed Apr. 25, 1925. Serial No. 25,881. 4 Claims. (Cl. 188—31.)



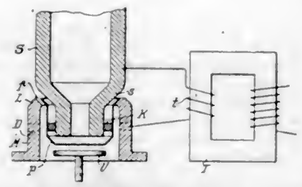
1. The combination with an automobile, of means for locking a driving wheel from movement comprising an arm mounted upon the automobile for movement parallel to the axis of the wheel and for movement at right angles to the axis of the wheel, this arm carrying a locking plate having an aperture adapted to engage over and lock the hub cap of the wheel from movement, and means for locking the locking plate upon the hub cap.

1,589,234. ENVELOPE. JOHN C. SCHILKE, Milwaukee, Wis., assignor of one-half to Herman Froehlich, jr., Milwaukee, Wis. Filed June 4, 1924. Serial No. 717,707. 1 Claim. (Cl. 229—82.)



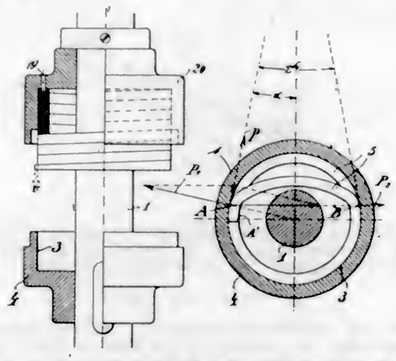
A safety envelope comprising an ordinary envelope wrapper having a main sealing flap and a slit directly at the junction between the main flap and the front of the wrapper, and an insert sheet secured to the inside surface of the rear of said wrapper and having an upper edge extending substantially across the wrapper closely adjacent to said junction, said sheet having an auxiliary flap formed for insertion through said slit and gummed for direct attachment to the exterior of said wrapper main flap only after being inserted through said slit.

1,589,235. DEVICE FOR THE LOCAL ANNEALING OF PRESSED PARTS. EDMUND SCHRÖDER, Berlin, Germany. Filed May 10, 1924, Serial No. 712,412, and in Germany June 4, 1921. 4 Claims. (Cl. 148—10.)



1. A device for the local annealing of pressed parts, comprising relatively spaced movable electrodes having electrical connection with a source of low tension electrical energy, and a contact ring carried by one of said electrodes adapted to electrically engage a certain area of a part to be annealed, said part also having electrical engagement with a portion of the opposite electrode.

1,589,236. CLUTCH. CARL SCHURMANN, Dusseldorf, Germany. Filed Sept. 18, 1920, Serial No. 411,301, and in Germany Feb. 23, 1920. 7 Claims. (Cl. 192—41.)

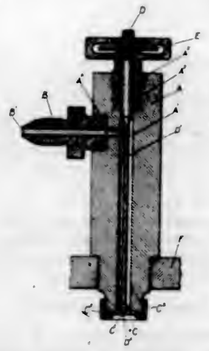


1. A clutch consisting of two relatively rotatable members, and a helical spring operatively engaging one of said members and operative to frictionally engage the other member to couple said members for rotation in one direction, said spring being provided at its free end with pressure surfaces at diametrically opposite points acting under stress in one direction of relative rotation of said clutch members to engage and press against the second-named clutch member with greater elastic force than the body portion of the spring.

1,589,237. EXPLOSIVE MIXTURE. ALLEN E. SCOTT, deceased, late of San Francisco, Calif., by Edmund Nelson, executor, Oakland, Calif. Filed Dec. 26, 1922. Serial No. 609,152. 10 Claims. (Cl. 52—12.)

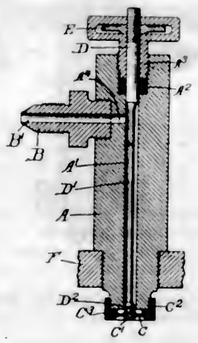
1. An explosive mixture formed by the mixture of picric acid, alum, an ammonium carbonate and alkaline chlorate, formed by crystallization in water.

1,589,238. INJECTION VALVE. PHILIP L. SCOTT, Three Oaks, Mich., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed July 3, 1919. Serial No. 308,445. 23 Claims. (Cl. 299—133.)



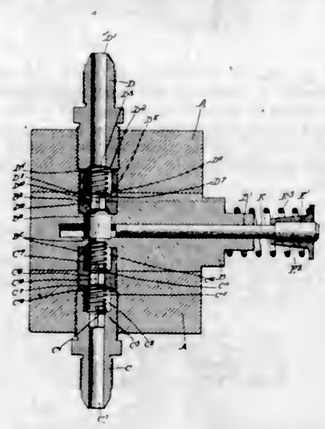
15. An injection valve comprising two parts, normally in close engagement, one of said parts being of a material enabling it to be deflected responsive to the pressure of the fluid fuel to develop a fluid inlet opening of substantially microscopic width only, whereby the liquid forced therethrough approaches molecular dimensions and is discharged in a vaporous form.

1,589,239. INJECTION VALVE. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Feb. 2, 1920, Serial No. 355,878. Renewed Jan. 6, 1926. 12 Claims. (Cl. 299—133.)



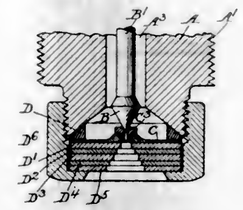
1. An injection valve comprising a hollow valve body, an apertured valve disc secured to one end of it, a valve rod located within said valve body adjustably secured at one end to it and carrying a needle point at the other, said needle point positioned within and normally closing the aperture in said valve disc, said valve disc adapted to move outward from said needle point responsive to the pressure of liquid against it, the disc being reenforced about the aperture.

1,589,240. PROCESS OF MAKING PUMPS. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Dec. 15, 1920, Serial No. 430,825. Renewed Jan. 6, 1926. 8 Claims. (Cl. 29—157.)



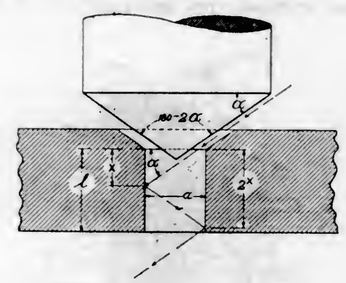
1. The process of manufacturing a pump which consists in forming a cylindrical seat, and a unitary plunger of substantially the same diameter inserting the plunger in the seat and forcing it in under pressure, then reciprocating one of the parts with respect to the other until a smooth working oil-tight fit is obtained.

1,589,241. ATOMIZER. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed May 6, 1921, Serial No. 467,247. Renewed Jan. 6, 1926. 24 Claims. (Cl. 299—133.)



1. An atomizing valve comprising a body, a laminated perforated spring disc, a seat carried thereby and a needle valve adapted to be seated in said seat.

1,589,242. ATOMIZER FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Aug. 8, 1921. Serial No. 490,814. 3 Claims. (Cl. 299—133.)

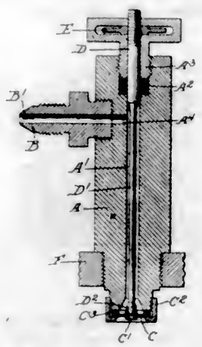


3. An atomizing nozzle comprising an elongated control passage, a valve immediately in advance of one end of said passage, said valve adapted when closed to cut off communication between the interior of the nozzle and said passage, the valve when opened providing a minute passage between the interior of the nozzle and the said elongated control passage, the valve opening being inclined to the longitudinal axis of the control passage, the relation between the three dimension factors involved following the formula $l=k(a\times\tan \text{alpha})$, in which "$a$" equals the diameter of the control passage, "l" equals the length of the control passage, and "alpha" equals the angle between the plane of the valve opening and the plane perpendicular to the axis of the control passage, in which the value of the constant "k" is at least one and not more than six.

1,589,243. PROCESS OF MANUFACTURING AND FITTING VALVE DISKS. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Sept. 17, 1921, Serial No. 501,500. Renewed Jan. 6, 1926. 7 Claims. (Cl. 29—157.)

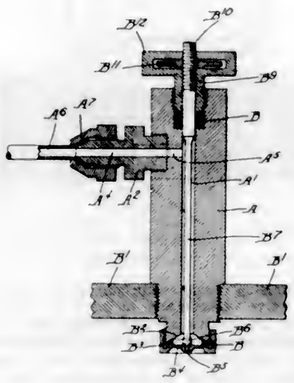
1. The process of making and fitting a valve seat in an atomizing valve assembly which consists in placing in

working relation the member forming the valve seat and bounding the atomizing orifice and the member adapted



to be seated in said seat and forcing and working them together to shape and form the valve seat and until they fit exactly.

1,589,244. SELF-ALIGNING VALVE. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Oct. 4, 1921, Serial No. 505,221. Renewed Jan. 6, 1926. 3 Claims. (Cl. 299—133.)



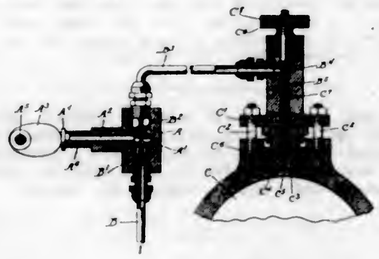
1. In an atomizing valve two orifice forming members, the support for one being rigidly fixed, the support for the other being rigidly fixed at its base, and due to its own elasticity adapted to be flexed laterally and in the normal operation of the valve held against axial movement, the two members adapted to have relative movement in response to hydraulic pressure to form an atomizing orifice.

1,589,245. INJECTION VALVE. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Original application filed July 3, 1919, Serial No. 308,445. Divided and this application filed Nov. 5, 1921. Serial No. 513,150. 7 Claims. (Cl. 299—133.)

1. In an injection valve, the combination of a valve disc, a perforation other than circular therein and a needle point adapted to penetrate therein and normally to close said perforation, said disc being yieldable under

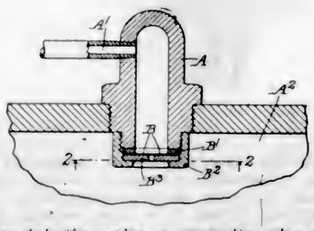
fluid pressure to permit a discharge past said needle point through said perforation.

1,589,246. PROCESS OF PREPARING FUEL FOR INTERNAL-COMBUSTION ENGINES. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Jan. 3, 1922. Serial No. 526,753. 7 Claims. (Cl. 299—133.)



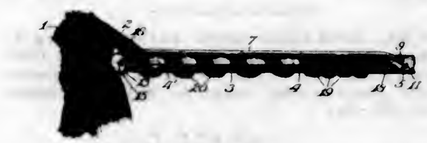
7. The process of converting a liquid into a vapor which consists in confining the liquid and forming said liquid by means of hydraulic pressure into a thin stream and causing liquid of said thin stream to be divided into separated particles having their normal relation to the atmosphere so changed as to float therein in a vaporous condition.

1,589,247. REED-TYPE SPRAY NOZZLE. PHILIP LANE SCOTT, Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind., a Corporation of New York. Filed Jan. 7, 1926. Serial No. 70,910. 16 Claims. (Cl. 299—133.)



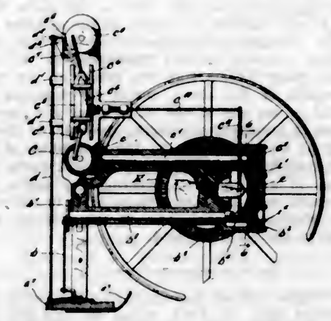
1. In an injection valve, a composite valve disc composed of a plurality of segments normally tangent.

1,589,248. HAIR CURLING AND WAVING DEVICE. AUGUSTUS H. SEXTON, Indianapolis, Ind., assignor to David L. Short, Philadelphia, Pa. Filed June 22, 1925. Serial No. 38,850. 1 Claim. (Cl. 132—41.)



A hair curling and waving device comprising a hollow curler rod, a clamp bar to co-operate with the rod having two ears on opposite edges adjacent to one end of the bar, the ears being arranged on opposite sides of the curler rod adjacent to one end of the rod, two retaining rods having each a relatively obtuse-angled hinge portion on one end and a relatively obtuse-angled latch portion on the opposite end thereof, the hinge portions being provided with hinge pins that are connected to said ears respectively and also to the adjacent portion of the curler rod, the latch portions of the retaining rods having an axle integral therewith, and a spherical roller arranged on the axle to be carried thereby partially into the opposite end of the hollow curler rod.

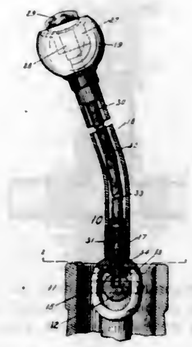
1,589,249. COTTON CHOPPER. VAN BUREN SHARPE and ETHEL WOODARD SHARPE, Wilson, N. C. Filed Oct. 17, 1922. Serial No. 595,069. 10 Claims. (Cl. 97—18.)



1. In a cotton chopper, the combination of a wheeled vehicle having a cutter carried thereby, a cutter controlling device comprising a support; guides carried by said support; a pair of co-operable cam elements movable between said guides; means for continuously reciprocating one of said cam elements and thereby causing the other of said elements normally to reciprocate in unison therewith; means for periodically interrupting the movement of the second mentioned of said elements independently of the first; driving means for effecting the operation of the cutter when movement of said second mentioned element is interrupted; and means operated by said first mentioned element for throwing said driving means into blade operating position upon interrupted movement of said second mentioned element.

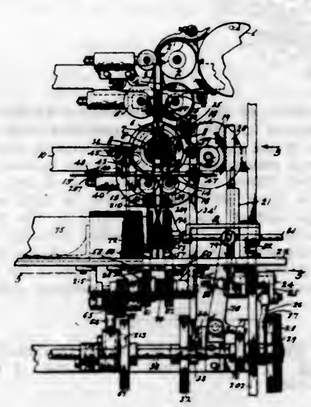
1,589,250. LOCK FOR GEAR-SHIFT LEVERS. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 22, 1919. Serial No. 346,482. Renewed Oct. 1, 1920. Serial No. 414,143. 14 Claims. (Cl. 70—128.)

1. In combination, a supporting bracket, a lever, means for swingingly mounting said lever upon said bracket, including a lever supporting pivot pin non-rotatably fixed to said lever and rotatably mounted in said bracket, and



key controlled means for locking said pivot pin to said bracket against rotation to prevent the operation of said lever.

1,589,251. ASSOCIATING MECHANISM. EDWARD P. SHELDON, New York, N. Y., assignor, by mesne assignments, to R. Hoe and Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 615,979. 65 Claims. (Cl. 270—71.)

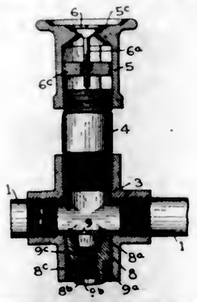


3. The combination of means for forwarding a plurality of products side by side, means for associating the products into bunches or sets of a predetermined number, means for distinguishing a bunch or set from a preceding or succeeding bunch, and means for delivering the associated and bunched products.

1,589,252. SPRING-OPENABLE DRAIN VALVE. HOWARD B. SHERMAN, Battle Creek, Mich. Original application filed Jan. 19, 1922, Serial No. 530,319. Divided and this application filed Feb. 14, 1923. Serial No. 618,992. 4 Claims. (Cl. 251—145.)

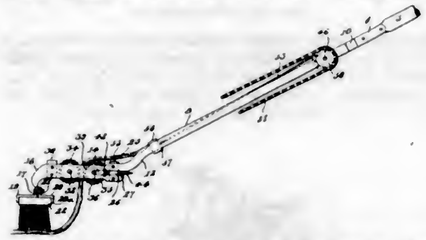
2. In combination, a water supply pipe; a coupling connected in said pipe; a drain valve in the lower branch of said coupling, said valve comprising a plug having an axial bore, a valve seat at the upper end of said bore, a

valve disk for said seat; a stem connected to said disk, the lower end of said bore being non-cylindrical, and a non-cylindrical member on the lower end of said stem



slidably and non-rotatably confined in said recess but permitting water to pass therethrough, and adapted to limit the opening movement of said disk.

1,589,253. COMBINED FLOOR BRUSH AND MOP. ADAM J. SMIECHEWICZ, Cleveland, Ohio. Filed May 7, 1925. Serial No. 28,658. 2 Claims. (Cl. 15—116.)

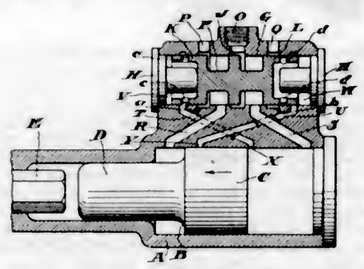


1. In a device of the type described, a handle, frame members carried by the handle, cross-connecting means between the frame members, a pair of wringer rolls journaled in said frame members, said frame members having oppositely alined slots in which one of the rolls is journaled, a block slidably supported in each slot for engaging the end of the roll journaled in the slot, an adjusting screw for the block threaded through one of the cross-connecting means and swiveled to the block, a mop strip extending between rolls and means for feeding the mop strip in opposite directions between said rolls.

1,589,254. SIGN. CHARLES W. SMITH, Cincinnati, Ohio. Filed Aug. 20, 1923. Serial No. 658,358. 3 Claims. (Cl. 40—130.)

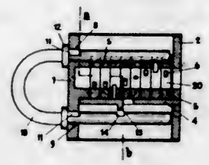
3. A sign comprising a structure with an inner aperture and a surface inclined to said aperture and bearing a display, lighting means in said aperture, and a translucent member opposite said aperture in such relation to said lighting means and said inclined surface as to reflect part of the light from said lighting means to said inclined surface, said translucent member bearing a display the effect of which is increased by the other part of said light transmitted by said translucent member.

1,589,255. ROCK-DRILL SPOOL VALVE. WILLIAM A. SMITH, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 15, 1925. Serial No. 23,181. 2 Claims. (Cl. 121—28.)



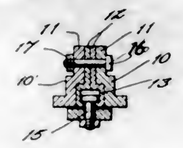
1. A fluid actuated rock drill of the hammer type, comprising a cylinder and reciprocating hammer piston, a valve chest having inlet and exhaust ports, a valve in said chest controlling both the inlet and exhaust of the cylinder and having a central head and end heads all of the same diameter, supply passages connecting the valve chest with the ends of the cylinder, valve controlling passages connecting the ends of the valve chest with ports at each side of the center of the cylinder and controlled by the piston for permitting pressure fluid under working pressure to pass alternately to the ends of the valve chest for starting the travel of the valve in one direction or the other, means for trapping the pressure fluid in one end of the valve chest and opening the other end to atmosphere, whereby the valve is thrown the balance of its travel due to the expansion of the trapped pressure fluid, and supplemental leak ports constantly open to atmosphere connecting the valve controlling passages with the said exhaust ports in the valve chest, for reducing the pressure of the trapped fluid after the valve has been actuated.

1,589,256. LOCK. HANS SPRUTH, Berlin-Lankwitz, Germany. Filed Mar. 10, 1923, Serial No. 624,232, and in Germany Mar. 13, 1922. 10 Claims. (Cl. 70—46.)



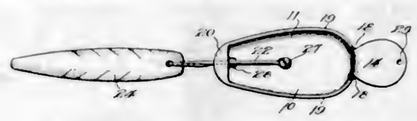
1. A lock comprising, in combination with a locking member, a sleeve, a plurality of tumbler discs closely nested in said sleeve for independent rotation and held against either independent or unitary axial movement relative to the sleeve, each of said discs having a peripheral recess to receive said locking member and controlling the movement of said member radially of the sleeve to its locking and unlocking positions, a key, coacting means on each of said discs and the key to relatively rotate the discs when the key is moved axially in one direction with respect thereto and align the recesses of said discs to permit movement of said member to its unlocking position, and said discs coacting with the locking member when the key is moved axially in the opposite direction to project said member to its locking position, and additional means operating in the latter position of the locking member to prevent movement thereof axially with respect to the tumbler discs and the sleeve.

1,589,257. METALLIC POST. JOHN W. STALDER, Lincoln, Nebr., assignor of fifty-one per cent to Carl Frederick Steckelberg, Lincoln, Nebr. Filed Mar. 13, 1925. Serial No. 15,354. 1 Claim. (Cl. 256—54.)



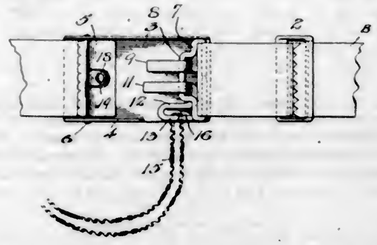
A fence post including a pair of spaced outer members of angular formation in cross section, a core arranged between said members and including a channel like portion having a longitudinal slot, means for securing all of said parts together, and wire clamps supported by said core and susceptible of longitudinal movement through the slot thereof.

1,589,258. FISH LURE. WILLIAM STANLEY, Chicago, Ill. Filed Nov. 8, 1924. Serial No. 748,524. 4 Claims. (Cl. 43—42.)



1. In a fish lure, the combination of an elongated semi-ovate body having a concave upper surface, a hook resting within the concavity in the upper surface and having the forward end on its shank secured to the body and having its barbed end extending rearwardly from the body, a flattened head extending forwardly from the body and terminating at its point of mergence with the body in a neck of reduced width, affording, in conjunction with the side margins of the body, a pair of side notches for the back flow of water, substantially as described.

1,589,259. BELT BUCKLE. MARY STARMER, Newport News, Va. Filed May 15, 1925. Serial No. 30,534. 4 Claims. (Cl. 24—77.)

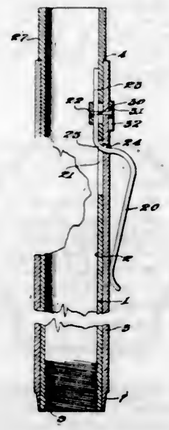


1. A buckle having a rigid longitudinally disposed structure comprising a fastening tongue having a free end, a chain retaining bar having one end fixed to said buckle, and an intermediate bar, connecting the tongue and chain retaining bar, forming a substantially S-shape.

1,589,260. PENCIL. WILLIAM C. STEFFAN, FRANK B. ACKERMANN, and WALTER J. GREINER, Chicago, Ill. Filed Oct. 2, 1920. Serial No. 414,165. 8 Claims. (Cl. 120—18.)

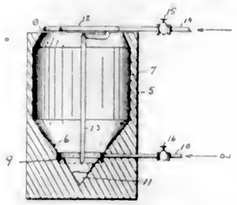
1. In a pencil, a casing, a barrel axially within said casing and having a constricted flattened portion, a lead feeding stem movable in said barrel and held against rotation by said constricted flattened portion, means for feeding said stem, a tip, and an attaching sleeve soldered on said barrel and connecting said casing, barrel and tip.

1,589,261. MAGAZINE-PENCIL CLIP. WILLIAM C. STEFFAN, FRANK B. ACKERMANN, and WALTER J. GREINER, Chicago, Ill. Filed Aug. 20, 1921. Serial No. 493,884. 11 Claims. (Cl. 24—11.)



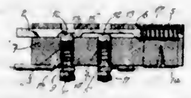
1. In a pencil, a body shell comprising a tube, said tube provided with an opening, a strap struck inwardly into the tube, and a clip having an attaching portion inserted through the opening in the tube and between the tube and said strap.

1,589,262. OIL BURNER. HENRY STRAUTMAN and KARL JAUCH, St. Louis, Mo. Filed Aug. 26, 1925. Serial No. 52,634. 5 Claims. (Cl. 158—92.)



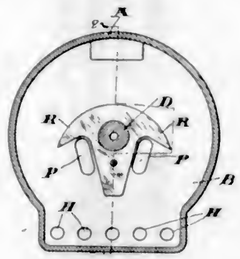
5. In a device of the class described, a chamber of cylindrical shape having an inverted cone-shaped bottom, a V-shaped channel disposed in said bottom and encircling the same, means for supplying fuel to said channel, a fire-resisting material disposed in said bottom to assist in the ignition of said fuel and means for supplying a vaporizing medium to the fuel in said bottom.

1,589,263. ELECTRIC SWITCH. WILLIAM H. STRAUTMAN and ALBERT LUPBERGER, St. Louis, Mo. Filed Dec. 10, 1921. Serial No. 521,410. 5 Claims. (Cl. (200—161.)



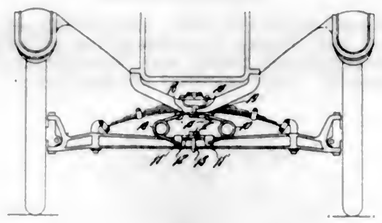
1. A switch comprising a block of insulation material, said block having a longitudinal slot and a transverse slot, switch elements slidable in said slots, individual spring means for urging each of said switch elements in one direction, and means for moving said switch elements in the opposite direction.

1,589,264. OIL TRAP FOR ROTARY ENGINES. JAMES STURROCK, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 31, 1925. Serial No. 47,247. 2 Claims. (Cl. 183—77.)



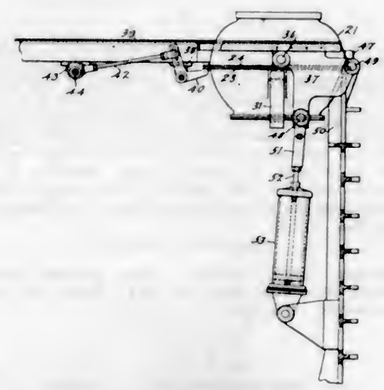
1. In a rotary engine, the combination of a casing, a rotary power member rotatable about a horizontal axis within the main portion of the casing, a lubricant chamber at one side communicating at its bottom with the main portion of the casing, the upper portion of the chamber being vented to atmosphere, and ports in the casing adjacent the axis of rotation leading from the main portion of the main casing to the lubricant chamber, whereby the lubricant is separated from the air and drains back into the lubricant chamber.

1,589,265. SHOCK ABSORBER. BALDWIN S. STUTTS and CHARLES ROBERTS, Munson, Fla. Filed June 10, 1925. Serial No. 36,221. 2 Claims. (Cl. 267—26.)



1. A combined shock absorber and snubber for use upon motor vehicles comprising upper and lower supporting plates, the upper plate supported beneath the vehicle spring and having its ends terminating in looped portions, the lower plate being secured to the vehicle axle and having spaced parallel apertured ears arranged upon opposite sides and adjacent its ends, and a pair of yoked resilient arms forming spring convolutions intermediate their lengths and having their respective ends received within the loops and ears upon the ends of the plates.

1,589,266. ELECTRIC INDUCTION FURNACE. DAVID L. SUMMEY, Waterbury, Conn. Filed May 28, 1923. Serial No. 641,801. 16 Claims. (Cl. 204—64.)

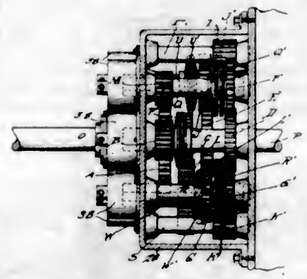


1. In an electric induction furnace, in combination, a furnace body having a channel for the bath, a primary transformer element, the bath in said channel serving as a secondary and being heated by the currents induced therein, and means for causing the furnace body to rock, at such intervals and in such manner as to stir the bath.

1,589,267. TRANSMISSION MECHANISM. JOHN A. TOOMEY, Los Angeles, Calif. Filed July 14, 1924. Serial No. 725,951. 5 Claims. (Cl. 74—59.)

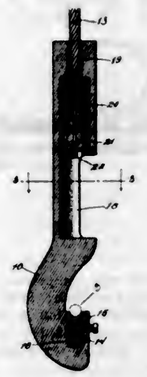
1. An automobile transmission mechanism comprising a sectional drive shaft including a longitudinally movable section, a driven shaft and intermediate shafts,

gearing of different ratios connecting the shafts, a clutch for connecting the sections of the drive shaft, clutches for controlling the operation of the intermediate shafts,



individual pistons engaging the shafts for moving the latter to engage the clutches and means whereby the pistons may be selectively operated.

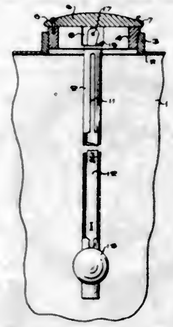
1,589,268. SPUDDING GEAR FOR WELL-DRILLING RIGS. PATRICK A. TRAPP, Tulsa, Okla. Filed Aug. 30, 1923. Serial No. 660,186. 1 Claim. (Cl. 255—33.)



A spudding shoe for connecting spudding and jerk lines comprising a body having connections at one end with a jerk line, the other end of the body being provided with a curved offset having an arcuate portion and a groove concentric with the arcuate portion, the groove being angular in cross section, the center of the operative connections with the jerk line passing through the center of the groove, and an arcuate soft metal bearing conforming to and mounted in said groove and having an arcuate seat semi-circular in cross section for the reception of the spudding line, the center of said operative connections with the jerk line passing through the center of the seat, and means operatively mounted in the wall of the arcuate portion and engaging the soft metal bearing to hold the bearing in position in the groove.

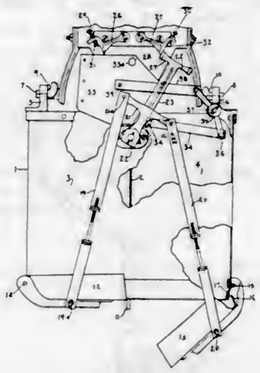
1,589,269. LIQUID-LEVEL GAUGE FOR LIQUID CONTAINERS. GERRIT VAN DAAM, Buffalo, N. Y. Filed Apr. 25, 1924. Serial No. 709,031. 2 Claims. (Cl. 73—82.)

1. A liquid level gauge comprising, in combination with a tank having an orifice therein, a bushing secured in said orifice, an upper open ended tube extending downwardly from the bushing, a notched float actuated gauge member slidable in the tube, a cross piece positioned



upon one side of the upper open end of the tube, and resilient means for bringing the notch in the gauge member into engagement with the cross piece on the tube.

1,589,270. AUTOMATIC WEIGHING MACHINE. JAMES B. VAN DEREN, Kingfisher County, Okla. Filed Sept. 26, 1922. Serial No. 590,609. 9 Claims. (Cl. 249—82.)

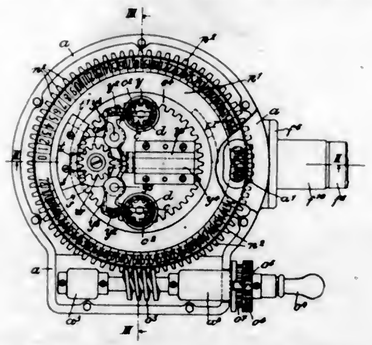


1. In an automatic weigher, a container having two compartments, wing pivoted doors controlling the discharge openings of said compartments respectively, said doors having upwardly extending flanges at the outer edges thereof, and hinges above the plane of the supporting surfaces thereof, a division bar between the free edges of the doors, a rocker element pivotally mounted above the plane of said doors and so connected to said doors so that as either door shall open the other door shall close, the connections to the rocker element being above the plane of the pivot mounting thereof.

1,589,271. APPARATUS FOR TIMING ARTILLERY PROJECTILES PROVIDED WITH CLOCKWORK-OPERATED FUSES. ANDRÉ VARAUD, Geneva, Switzerland. Filed June 26, 1925, Serial No. 39,700, and in Switzerland June 28, 1924. 6 Claims. (Cl. 86—23.)

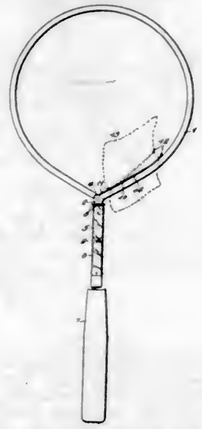
1. An apparatus for timing artillery projectiles provided with clockwork operated fuses of the type described comprising a frame, a rotary member for turning the key of a projectile, a crown wheel having internal teeth for controlling said rotary member, a movable dial placed

coaxially with the crown wheel and provided with circular graduations, means for driving said dial independently of the said crown wheel and for holding the same stationary in any one of as many angular positions as



the fuse may receive different setting positions, and three abutments provided respectively on the frame, the movable dial and the crown wheel for cooperating to limit the angular displacement of the crown wheel in opposite directions.

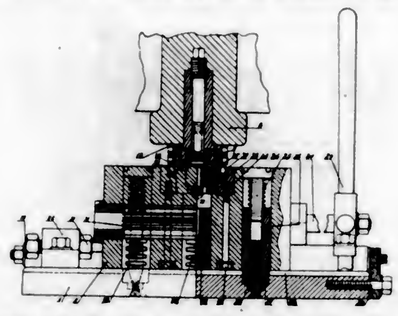
1,589,272. TRAIN-ORDER HOLDER. JOHN A. VAUGHAN, Henderson, N. C. Filed Feb. 5, 1926. Serial No. 86,224. 3 Claims. (Cl. 258—3.)



1. A train-order holder embodying a hoop with means for holding a paper thereon, and a handle for the loop, the handle having a tubular socket polygonal in cross section and the hoop having a portion polygonal in cross section removably engaged in said socket and held against rotation therein.

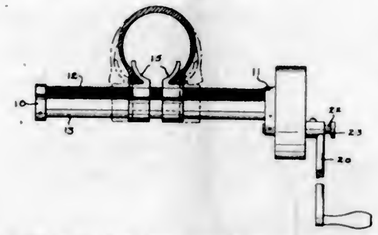
1,589,273. MACHINE FOR MAKING BOLTS, PINS, SPINDLES, VALVES, AND THE LIKE. BAPTISTE VAURS, Paris, France. Filed Nov. 6, 1924, Serial No. 748,086, and in Great Britain Nov. 16, 1923. 5 Claims. (Cl. 10—11.)

5. A press, comprising a recessed bed plate; a block slidable thereon and provided with a vertical bore; a slidable work-receiving member in said bore; a plurality of movable detents carried by the block for engagement in the recesses in the bed plate; a vertically-movable hammer above said block; a pair of coacting dies, one mounted in the hammer and the other in the upper end of said bore; an actuating device common to all the



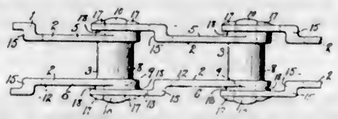
detents and the work-receiving member for operating them simultaneously, said device embodying a shaft; and automatic means connected with said shaft for shifting said block while the detents are released.

1,589,274. TIRE-SPREADING DEVICE. GEORGE H. WADSWORTH, Akron, Ohio, assignor to The Wadsworth Core Machine & Equipment Co., Akron, Ohio, a Corporation of Ohio. Filed Feb. 8, 1926. Serial No. 86,819. 8 Claims. (Cl. 152—27.)



7. A tire spreading tool comprising in combination, a rotatable shaft having a right hand threaded portion and a left hand threaded portion, a jaw associated with each threaded portion and adapted to engage the inner wall of the tire, a member extending parallel to the axis of the shaft and in engagement with said jaws for preventing rotation thereof whenever the shaft is rotated, but allowing movement in a direction parallel to the axis of the shaft, a gear and pinion associated with the shaft, a second gear and a pinion being shiftable as a unit and being adapted to mesh with the pinion and gear on the threaded shaft, there being only one gear and one pinion in mesh at one time, and means for enabling the second gear and pinion to be rotated as a unit.

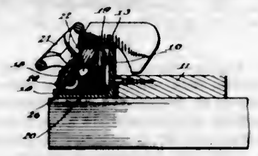
1,589,275. CHAIN. FRANK W. WATTS, Philadelphia, Pa. Filed May 14, 1923. Serial No. 639,006. 5 Claims. (Cl. 74—32.)



1. A chain comprising similar separable side members arranged in pairs forming links every complete link of which is the same, pivot members connecting adjacent ends of the pairs of side members spacing means for the side members carried by the pivot members, bosses

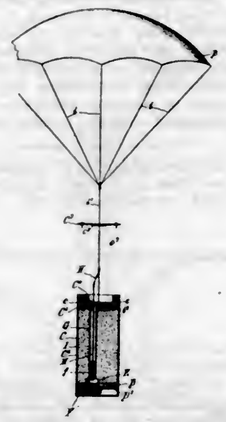
upon the ends of the side members to prevent lateral movement of the pivot member, interlocking means for engaging the pivot member located upon the opposite ends of the side members from the said bosses and operative while said ends are in contact with the bosses of the side members of adjacent links to prevent disengagement with the pivot member, said side members having longitudinal slots formed therein to permit the movement of the pivot member into a position free of the said bosses whereby the pivot member may be released from the said interlocking means and the side members detached from the pivot member.

1,589,276. GAUGE FOR CUT-OFF SAW BENCHES. FREDERICK H. WEEKS, Akron, Ohio. Filed Sept. 15, 1925. Serial No. 56,518. 6 Claims. (Cl. 143—168.)



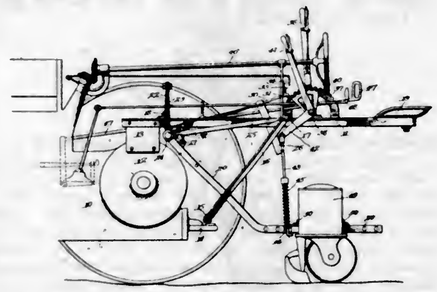
6. A saw bench gauge including a gauge beam having flanged edges, a gauge member, including a frame having portions engageable with said edges, a threaded jamb member working through said frame, a nut non-rotatably positioned in connection with the frame and through which said jamb member extends, an adjusting handle upon the outer end of the jamb member, and a gauge element pivotally supported in connection with one side of the frame and having a portion adapted to extend over the beam and maintained by its own weight in operative relation to the beam, said gauge element having a shoulder engageable with a portion of the beam to prevent movement of the gauge element upwardly beyond a vertical position for the purpose described.

1,589,277. EMERGENCY-LANDING FLARE. SAMUEL WILEY, Metuchen, N. J. Filed Dec. 5, 1925. Serial No. 73,367. 2 Claims. (Cl. 102—24.)



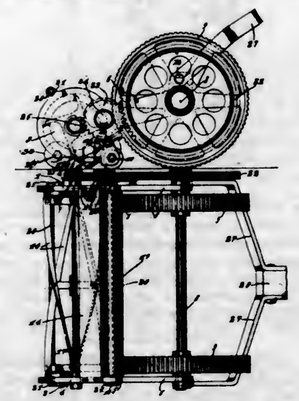
1. A flare arrangement for aircraft, comprising a parachute and a flare body, the said flare body being provided with a safety cap in the upper end thereof detachably connected to said flare body, a flexible connector fixed to and passing through said safety cap and secured at one end to said flare body and at the other end to said parachute, a primer carried by said flare body and adapted to ignite the flare composition contained therein, and an operating wire normally lying loose below safety cap but adapted to be suddenly tautened when said safety cap is jerked loose, incident to the opening of the parachute, after the flare body and parachute have fallen an appreciable distance below the airplane, whereby said primer is ignited substantially as and for the purposes described.

1,589,278. CULTIVATOR ATTACHMENT FOR TRACTORS AND THE LIKE. JOHN L. WILLIAMS, Jackson, Tenn., assignor to Southern Steel Products Company, Jackson, Tenn., a Corporation of Tennessee. Filed Nov. 11, 1925. Serial No. 68,409. 8 Claims. (Cl. 97—47.)



1. A cultivator attachment for tractors and the like, comprising in combination a rigid framework removably attached to the tractor and extending rearwardly of the rear axle housing thereof, a gang drawbar suspended from the framework for transverse swinging movement, a pair of gangs slidably mounted upon said swinging drawbar, means for adjusting the gangs upon said gang drawbar and maintaining said gangs in the desired position, means for controlling the swinging movement of the said gang draw-bar and means for raising and lowering the gangs.

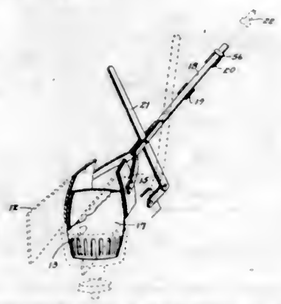
1,589,279. LAWN MOWER. EDWARD O. WILSON, Madison, Wis. Filed May 15, 1925. Serial No. 30,507. 1 Claim. (Cl. 56—252.)



A lawn mower of the character described, comprising a pair of spaced substantially circular side plates each having a portion of its lower edge formed straight, an extension constituting a foot at the rear of said straight

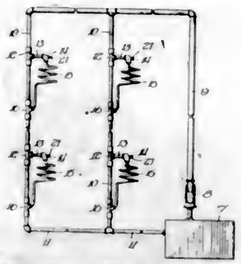
portions, a rearwardly and upwardly extending arm carried by each plate, a shaft connecting the ends of said arms, traction elements on said shaft, a roller extending between said foot portions, a shaft connecting between said plates, cutter elements carried on the last mentioned shaft to revolve therewith, means for taking power from said traction wheels to said cutter shaft to revolve the same, a cutter bar having its ends adjustably secured to the straight edge portions of said plates forwardly and above the lower edge of said foot extensions, and an auxiliary supporting wheel mounted upon each plate at the forward end of the straight portion thereof, and forwardly of said cutter bar.

1,589,280. METHOD AND MEANS OF FORMING BARREL TUMBLERS. MILTON R. WILSON, San Francisco, Calif. Filed Nov. 22, 1924. Serial No. 751,495. 5 Claims. (Cl. 49—7.)



1. The process of shaping a glass tumbler which consists in rotating the heated tumbler about its axis of symmetry while moving the tumbler bodily in a given direction and presenting against the sides of the tumbler a plurality of forming surfaces while also moving said surfaces bodily with the tumbler in said given direction.

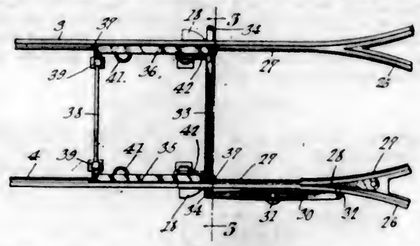
1,589,281. REFRIGERATING SYSTEM. FRED WITTENMEIER, Chicago, Ill. Filed Aug. 28, 1922. Serial No. 584,787. 7 Claims. (Cl. 257—19.)



1. In a refrigerating system, means for circulating a cooling fluid, a riser, a plurality of downwardly extending service-pipes connected to the upper end of said riser, return pipes connecting said service pipes to the circulating means, cooling coils connected at each end to a service pipe and means adapted to deflect a portion of the fluid in the service pipe through the cooling coil.

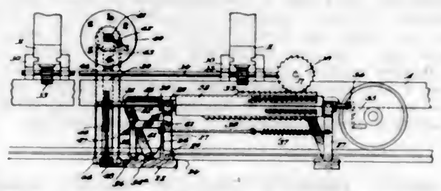
1,589,282. STREET-RAILWAY SWITCH. ROBERT B. WOODALL, Malvern, Ark., assignor of one-fifteenth to J. L. Pratt, one-fifteenth to B. J. Glover, one-fifteenth to William F. Graves, and one-tenth to D. E. Robertson, all of Malvern, Ark. Filed Feb. 20, 1925. Serial No. 10,568. 1 Claim. (Cl. 246—317.)

A switch point throwing mechanism including a horizontally disposed lever pivotally supported intermediate its ends, a link connected with one end of the lever and the switch point, a cross bar having one of its ends pivotally connecting the wheel engaging elements at their ments supported adjacent to the switch, means for pevotally connected to the lever, wheel engaging eforward ends, levers pivotally supported adjacent to the opposite ends of the wheel engaging element, said levers



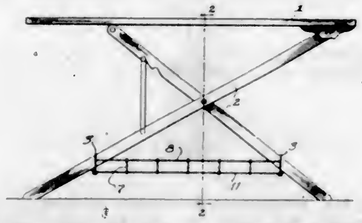
having right angled extremities underlying the wheel engaging elements, said wheel engaging elements adaptd to move the levers to elevate the cross bar, studs extending from the ends of the cross bar, and means carried by a car moving over the switch and engaging the studs to move the cross bar laterally to operate the switch point.

1,589,283. SETTING DEVICE FOR SAWMILL CARRIAGES. CYRUS T. WYNNS, Rocky Mount, N. C. Filed Oct. 1, 1924. Serial No. 741,075. 6 Claims. (Cl. 143—120.)



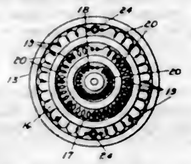
6. In combination with the reciprocatory carriage of a sawmill, knees slidably mounted thereon, means for moving the knees including a drive shaft, a pinion on said shaft, a drum rotatably mounted at one side of the carriage trackway, rack bars on the drum adapted to selectively engage the pinion, a friction disk on said shaft, a track adapted to be brought into engagement with the friction disk, and means for simultaneously moving the drum to disengage the pinion and move the track into engagement with the friction disk.

1,589,284. IRONING-BOARD ATTACHMENT. CHARLES E. YATES and FRED E. KASTEN, Allentown, Pa. Filed June 20, 1924. Serial No. 721,249. 4 Claims. (Cl. 68—10.)



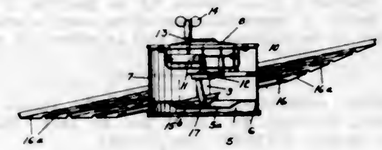
1. The combination with an ironing board, and supporting legs therefor, of a pair of supporting brackets carried by said legs, and a basket frame positioned between said brackets and slidably adjustable toward and away from said ironing board.

1,589,285. ELECTRIC HEATER. FRANK YOKEL, Avalon, Pa. Filed Aug. 16, 1924. Serial No. 732,389. 7 Claims. (Cl. 219—34.)



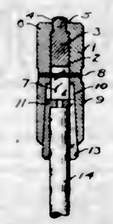
5. An electric heater comprising a concave reflector, a refractory plate centrally located therein and spaced from the back thereof, heating elements carried by the plate, said plate having openings therein to permit of the circulation of air therethrough, the portion of the reflector behind said plate also being perforated.

1,589,286. MECHANICAL RACING TOY. CHARLES ZABEL, Coraopolis, Pa., assignor to McDowell Manufacturing Company, Millvale, Pa., a Corporation of Pennsylvania. Filed June 29, 1925. Serial No. 40,146. 4 Claims. (Cl. 272—35.)



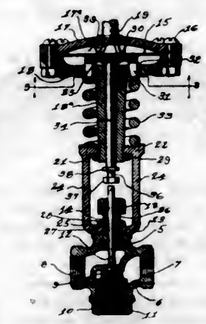
1. A mechanical toy including a central housing having openings in the side walls thereof, a transverse bar passing through the housing and having a rocking support within the housing, a track member encircling the housing and secured to the opposite ends of the cross bar, and means in the housing and supported thereby for imparting a progressive tilting motion to the cross bar to correspondingly rock the track member, and a gravity propelled object on the track member.

1,589,287. CHUCK. WILLIAM M. ZIEGLER, Dayton, Ohio, assignor to The Apex Machine Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 2, 1924. Serial No. 741,138. 1 Claim. (Cl. 279—54.)



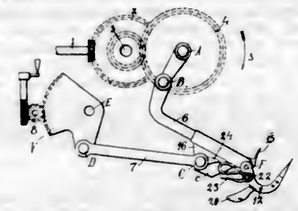
The herein described article of manufacture consisting of a cylindrical member having a longitudinal opening extending therethrough, the upper portion of the opening being cylindrical and the lower being tapered, an unlocking member reciprocal in the cylindrical portion of the opening, a tapered split collar fitted to the tapered portion and itself having a cylindrical bore adapted to receive the shank of a tool, a transverse stop pin secured to the cylindrical member, the lower end of the unlocking member being longitudinally slotted to fit over the stop pin and having its lower end in contact with the top of the split collar.

1,589,288. FLUID-PRESSURE-OPERATED VALVE. CHARLES C. HANSEN, Forest Park, Ill., assignor to Refrigerating Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1923. Serial No. 672,833. 10 Claims. (Cl. 137—53.)



1. The combination of a valve comprising an enclosing casing and a valve operating stem movable therein, a fluid pressure actuator comprising a diaphragm and a rigid casing provided with a sleeve, a frame separate from said casings interposed therebetween and provided at its ends with means for detachable connection to the valve casing and said sleeve respectively, said sleeve constituting a support between the frame and the actuator casing, a stem operated by the diaphragm, slidable in the sleeve and for operating the valve stem, and a spring around said sleeve for retracting the actuator stem.

1,589,289. DIGGING MACHINE. VÁCLAV HEJMA, Brno, Czechoslovakia. Filed May 22, 1925, Serial No. 32,210, and in Czechoslovakia May 24, 1924. 2 Claims. (Cl. 97—36.)

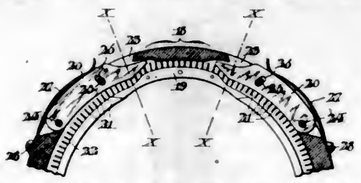


1. A motor driven agricultural implement comprising a plurality of gapped spades, a shank attached to each spade, a power actuated crank shaft, each of the spade shanks being connected at a point remote from the spade with a crank of said crank shaft, a plurality of link rods each pivoted at one end to one of the spade shanks near the spade, a rotatable sector, said link rods each being pivoted at its other end to said sector, and means for rotating said sector by hand.

1,589,290. KNITTING MACHINE. JESSE C. KANE, Easton, Pa., assignor to Chipman Knitting Mills, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,655. 1 Claim. (Cl. 66—108.)

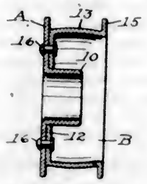
In a knitting machine, the combination of a needle cylinder capable of being rotated to produce tubular stocking blanks and oscillated to knit flat selvaged prolongations in continuity of said blanks upon a selected group of the needles, web holders cooperating with the needles in forming the fabric stitches, projecting cams for the web holders, having movement limiting slots therein, said projecting cams being pivoted at one of their

ends with the limiting slots concentric therewith and having their other ends engaging the web holders at the sitch casting points, leaf springs tending to swing the cams about their pivots and urging them forward to avoid loose play of the web holders whereby said web



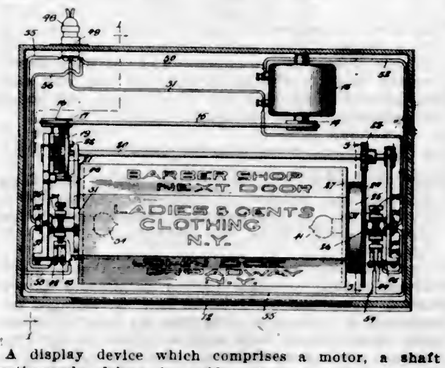
holders are projected to the maximum extent and the positive casting of the loops from the needles active during oscillatory knitting thereby assured in opposition to restraint imposed by detention of the main portion of the blank upon the idle needles.

1,589,291. SHEET-METAL PULLEY. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1924. Serial No. 753,072. 3 Claims. (Cl. 64—17.)



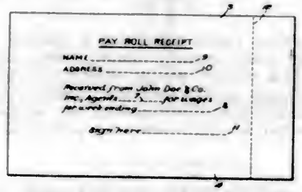
1. As an article of manufacture, a pulley comprising two members, one member having a cylindrical portion, one edge of said cylindrical portion being turned outwardly and forming a flange, and the other edge turned inwardly, forming an inwardly extending flange, the other member being a circular plate with the central portion thereof pressed inwardly and forming the hub of the pulley, said hub portion fitting snugly in the opening formed by said inwardly extending flange, said inwardly extending flange and the circular plate being permanently secured together, and the circular plate being of a diameter sufficient to form the other flange of the completed pulley.

1,589,292. DISPLAY DEVICE. GEORGE CHORTANIAN and CHARLES ATAMIAN, West New York, N. J. Filed Nov. 3, 1925. Serial No. 66,583. 1 Claim. (Cl. 40—33.)



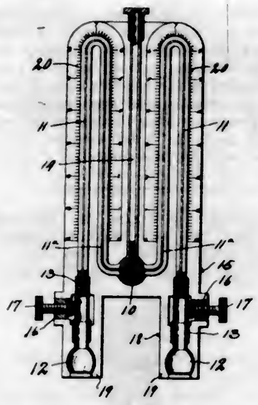
A display device which comprises a motor, a shaft continuously driven by said motor, a pinion on said shaft, a gear operated by said pinion, a drum on which advertising matter is displayed, a spring disposed between the drum and the gear, a ratchet on said drum, a pawl engaging with said ratchet, a plate on said shaft, a pin on said plate adapted to engage said pawl as the shaft rotates to release the pawl from the ratchet and permit the spring to operate the drum.

1,589,293. PAY ENVELOPE AND RECEIPT. RUTH E. CLEMENT, Cambridge, Mass. Filed June 8, 1923. Serial No. 644,125. 2 Claims. (Cl. 283—1.)



1. In a pay envelope having a sealing flap or the like, a line dividing the envelope into a plurality of portions, one of the said portions being the money holding portion, the said money holding portion having appropriately designated spaces thereon for the insertion of receipt indicia to compel the return of the empty receipted envelope to the employer to be used as evidence of payment.

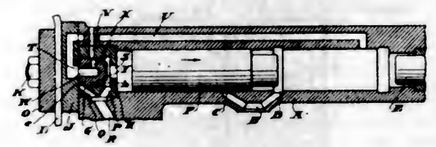
1,589,294. COMPOUND THERMOMETER. JOSEPH M. FUSCA, Tarentum, Pa. Filed Nov. 29, 1924. Serial No. 752,912. 2 Claims. (Cl. 73—52.)



1. In a thermometer of the type described, a bulb containing an expansible liquid, a pair of capillary tubes, each communicating with the bulb at one end and having at their opposite end bulbs containing an expansible fluid, the tubes adjacent the last named ends thereof having an elastic section and means adjustably bearing against such elastic sections to thereby increase or decrease the static pressure within the last named ends of the tubes.

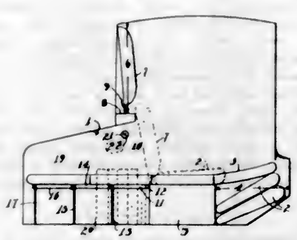
1,589,295. RECIPROCATORY HAMMER TOOL. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 29, 1924. Serial No. 746,464. 2 Claims. (Cl. 121—24.)

2. A fluid actuated hammer tool comprising a cylinder having a piston controlled exhaust port, a hammer piston within the cylinder, a valve chamber set in the rear end of said cylinder, supply passages leading from a source of pressure fluid to opposite ends of said valve chamber, inlet ports leading from the said valve chamber to the front and rear ends of the said cylinder, an atmospheric vent midway between the ends of the valve chamber, a pressure fluid thrown valve in the valve chamber for regulating the admission of motive fluid to the cylinder, and adapted to reciprocate in said valve



chamber, a peripheral groove around said valve and a port in said valve constantly in communication with said groove and the admission port to the front end of said cylinder, the arrangement of said groove, atmospheric vent in the valve chamber and port being such that while the valve admits pressure fluid to the back end of the cylinder the peripheral groove and the atmospheric vent in the valve chamber are in communication, thereby venting the front end of the cylinder to atmosphere.

1,589,296. COLLAPSIBLE BED. RUSSELL R. KEESLING, San Jose, Calif. Filed Oct. 23, 1924. Serial No. 745,477. 2 Claims. (Cl. 155—7.)



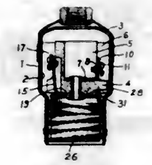
1. In combination with a motor car having two-part removable seat cushions and a removable back cushion and a space between the seat frame and the forward portion of the car body substantially filled by said seat cushions when placed therein one upon the other, of a foldable mattress supported at its forward portion by the seat frame and said seat cushions when placed in said space, and means for supporting the rear portion of said mattress said means comprising a collapsible frame pivotally mounted at the rear upper edge of the seat frame and proportioned to fold flat against the rear vertical side of said seat frame.

1,589,297. SHAFT FOR GOLF CLUBS AND THE LIKE. ALLAN E. LAIRD, Washington, D. C. Filed May 10, 1921. Serial No. 468,260. 15 Claims. (Cl. 273—80.)

1. A shaft or handle for golf clubs and the like comprising a body formed from bamboo having longitudinally tapering sections removed from the lower portion thereof so as to produce a plurality of tongues in the lower section of the shaft, combined with means for holding the tongues in close relation.

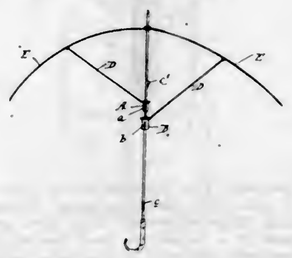
15. A golf club comprising a tubular shaft formed of bamboo with an internal hollow metallic reinforcing element; a head having an inwardly tapering shaft socket; and a non-metallic adapter seated in said socket around the end of the shaft and gradually tapering above and away from the socket to distribute the strains due to flexure or torsion through a considerable length of the shaft.

1,589,298. KEYLESS SOCKET. CHARLES S. MALLETT, Toronto, Ontario, Canada, assignor to General Electric Company, a Corporation of New York. Filed Dec. 31, 1923, Serial No. 683,625, and in Canada Oct. 26, 1923. 5 Claims. (Cl. 173—358.)



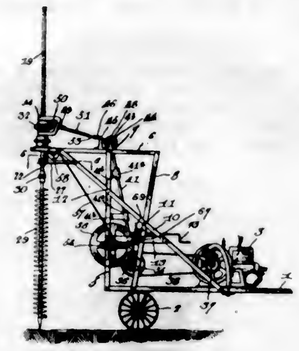
1. In a keyless socket or receptacle, the combination of a single piece insulating base having a relatively deep central recess which is open on one side, a screw threaded shell, the top of which is diametrically slotted, a terminal member which extends through the slot and is divided at one end into arms which engage the top of the shell to establish electrical contact therewith, the ends of said arms passing through the top of the shell and engaging the base, the opposite end of said member being arranged to receive a circuit wire, a terminal member which is located in the recess and extends through the side opening, an insulating disk inside of the shell, and a means which extends through the disk and base into the terminal in said recess and unites the shell, base and terminals.

1,589,299. UMBRELLA. JOSEPH METZGER, Bluff, New Zealand. Filed Apr. 10, 1925, Serial No. 22,025, and in New Zealand Mar. 5, 1925. 2 Claims. (Cl. 135—20.)



2. An umbrella or the like comprising ribs and a supporting stick, a plurality of independent telescoping runners on said stick and separate groups of stretchers connecting each of the runners to corresponding groups of ribs whereby opening or closing of one portion of the umbrella may be effected independently of another portion.

1,589,300. POSTHOLE BORER. ARMAND MEUNIER, Zealandia, Saskatchewan, Canada. Filed Nov. 29, 1924. Serial No. 752,883. 7 Claims. (Cl. 255—22.)

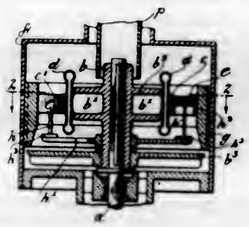


1. A post hole borer comprising a platform, an engine supported thereon, an overhead frame supported above the platform, an auger shaft having a ball and socket connection with said frame, means for turning said shaft from the engine, a second shaft supported above the platform, a drum and a gear carried by said second shaft, a cable wound around the drum and connected to said auger shaft, and means for driving said second shaft from the engine.

1,589,301. TIRE FLAP. JULES HAUVETTE-MICHELIN, New Brunswick, N. J. Filed Mar. 18, 1926. Serial No. 95,702. 4 Claims. (Cl. 152—20.)

3. In a pnumatic tire, the combination with an inner tube and a valve stem therefor having flattened sides, and a curved bridge carried by said valve stem, of a flap, composed of a continuous band formed of a strip of flexible material thickened in its center and tapering in thickness towards the sides, the said sides being cut away at one end to leave a central tongue, and said tongue and the opposite end of the strip being secured together with a metal eyelet, adapted to slip over said valve stem, said eyelet having an opening therein, the side walls of said opening being parallel to each other to engage the flat side walls of said valve stem, and said bridge being adapted to project between said eyelet and the inner tube, substantially as and for the purposes described.

1,589,302. GRINDING MILL. KRISTIAN MIDDELBOE, Frederiksberg, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Aug. 6, 1925, Serial No. 48,506, and in Sweden Aug. 21, 1924. 5 Claims. (Cl. 83—45.)

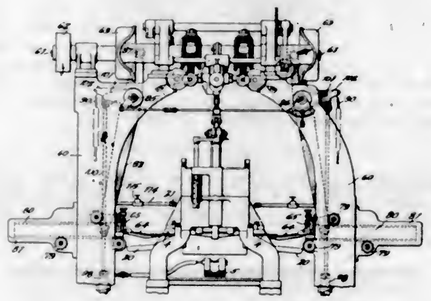


1. In a grinding mill, the combination of an outer grinding ring, an inner grinding ring, and cylindrical grinding bodies supported between the two grinding rings, the adjacent ends of successive sections of the inner grinding ring being overlapped in the direction of rotation.

1,589,303. VAT COLORING MATTER. HEINRICH NERESHEIMER, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Apr. 26, 1923, Serial No. 634,858, and in Germany Aug. 16, 1922. 2 Claims. (Cl. 260—61.)

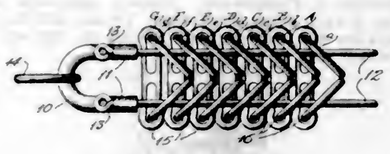
1. As a new article of manufacture, chlorinated dibenzanthrone, as obtained by chlorinating dibenzanthrone in the presence of chloro-sulfonic acid, which is soluble in concentrated sulfuric acid with a crimson color and which when dyed from a hydrosulfite vat or when applied as a pigment for printing paper, produces violet shades with a more reddish cast than those produced with the known chlorinated dibenzanthrone obtained with chlorine or sulfuryl chlorid in nitrobenzene solution.

1,589,304. FEEDING MOLTEN GLASS. KARL E. PEILER, West Hartford, Conn., assignor to Hartford-Empire Company, a Corporation of Delaware. Filed Dec. 8, 1925. Serial No. 74,085. 3 Claims. (Cl. 49—55.)



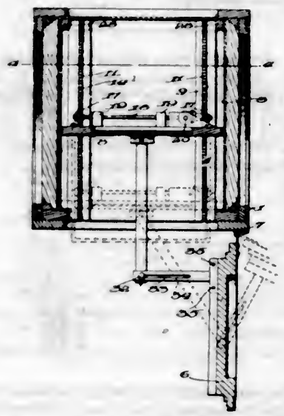
1. Glass gathering apparatus, comprising a receptacle for molten glass, means for delivering formed lumps of viscous glass therefrom, and knives for severing each lump as formed, said knives being adjustable along the path of delivery of such lumps.

1,589,305. PUZZLE. ADAM SENDEK, Jr., Jerome, Pa. Filed Mar. 17, 1926. Serial No. 95,329. 4 Claims. (Cl. 273—138.)



1. A puzzle including an end member, a pair of loops extending from said end member in parallel relation, a series of links extending through said loops and having their ends projecting through the loops, and rings each engaged in the respective end of a link and extending around a respective loop and the adjacent link.

1,589,306. REFRIGERATOR. JAMES MASELLUS SHORT, North Little Rock, Ark. Filed Mar. 9, 1925. Serial No. 14,160. 2 Claims. (Cl. 45—71.)



1. In a refrigerator having a lateral doorway opening and a horizontally swingable door for closing said opening, a vertical edgewise secondary door slidable flatwise within sad compartment in parallel relation to the plane of said doorway opening and adapted when at the front of said compartment to cover said doorway opening, horizontal rails at the upper and lower ends of said compartment, said rails extending from the back to the front of said compartment, and wheels at the upper and lower ends of said secondary door in rolling contact with said rails, motion transmitting means connecting said secondary door with said swinging door, whereby opening of said swinging door will cause flatwise slidable movement of the secondary door in the compartment and return swinging movement of said first door will move the secondary door rearwardly in said compartment, and shaft and gear means connecting the wheels at the upper and lower ends of said secondary door to turn in unison.

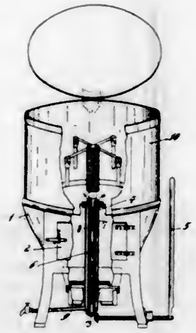
1,589,307. RELEASABLE NUT FOR CLAMPS OR THE LIKE. HENRY M. SVERILIUS, Evanston, Ill. Filed Aug. 28, 1925. Serial No. 52,973. 12 Claims. (Cl. 85—33.)

1. The combination with a threaded shank of a nut through which the shank extends, the nut having a smooth bore portion and a diametrically opposed bore portion threaded to correspond to the thread on the shank, the nut being rockingly mounted to permit either its smooth bore portion or its threaded bore portion to be brought into engagement with the shank, and control means associated with the nut for rocking the nut so as to bring and hold either the smooth bore portion or the threaded bore portion in engagement with the shank.

1,589,308. RADIOFREQUENCY APPARATUS. JOHN AUSTIN VICTOREEN, Cleveland, Ohio. Filed Apr. 30, 1926. Serial No. 105,880. 12 Claims. (Cl. 250—40.)

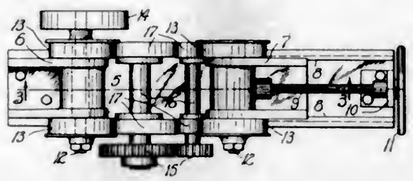
6. In a transforming unit for radio frequency amplifiers, the combination with a pair of transformer windings in inductive relation to one another and having air cores, of a suitable variable condenser disposed in tube oscillation preventing position in the field of the winding and extending across one of the cores, the condenser being adjustable toward and away from one of the windings, the condenser also being adjustable to vary its electrostatic capacity.

1,589,309. WASHBOILER WITH FURNACE. HEINRICH BACHRACH, Cassel, Germany. Filed Dec. 16, 1924, Serial No. 756,263, and in Germany July 24, 1924. 1 Claim. (Cl. 68—15.)



In a washing machine, a wash boiler, a furnace therebelow and upon which said wash boiler is mounted, a double-walled water pipe extending downward from the bottom plate of the boiler and traversing said furnace, an annular disk closing the lower end of the outer annular space of said double-walled pipe to form a water jacket, an agitating cross in the boiler, a vertical shaft for driving said agitating cross, a driving mechanism below the furnace connected wth the lower end of said vertical shaft, and a discharge tube connected with the lower end of said double-walled pipe.

1,589,310. GEAR-LAPPING MACHINE. LIONEL A. CARTER, St. Louis, Mo. Filed July 5, 1924. Serial No. 724,339. 6 Claims. (Cl. 51—26.)

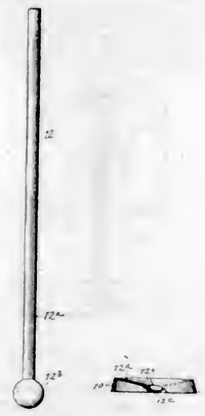


1. A gear lapping machine comprising two pairs of rotatably mounted friction wheels relatively movable transversely, the friction wheels of each pair being spaced apart, means for driving one of said wheels and separate holders for the gears that are to be lapped, said holders being adapted to be removably positioned between said pairs of friction wheels and having cylindrical surfaces adapted to contact with each other and with each friction wheel of a pair, the cylindrical surfaces of said gear holders being of a diameter corresponding substantially to the pitch diameter of the gears thereon.

1,589,311. MANUFACTURE OF BREAD. HARRY HEWITT, Manchester, England, assignor to The British Arkady Company Limited, Manchester, England, a British Company. Filed Aug. 19, 1924, Serial No. 732,963, and in Great Britain Dec. 12, 1923. 3 Claims. (Cl. 99—10.)

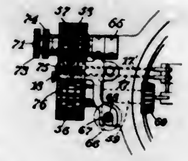
1. A process of making yeast-raised bread which consists in incorporating with the flour or dough before baking a small quantity of a harmless normal mineral salt of lactic acid, substantially free from other salts, whereby reduction of yeast may be effected without affecting the rate of gas evolution.

1,589,312. GAME APPARATUS. JOHN T. HILL, Lakewood, Ohio. Filed Sept. 26, 1923. Serial No. 664,876. 4 Claims. (Cl. 273—1.)



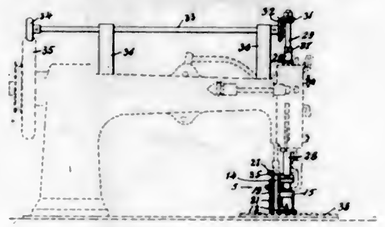
1. A game apparatus such as described comprising a series of bases adapted to be arranged around a central part or home plate to which a ball may be driven, each base having a dished or inwardly sloping top with a central depression adapted to receive the head of a stick used in driving or propelling the ball.

1,589,313. YARN-FURNISHING MEANS FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Jan. 3, 1922, Serial No. 526,669. Divided and this application filed Oct. 17, 1922. Serial No. 595,149. 3 Claims. (Cl. 66—132.)



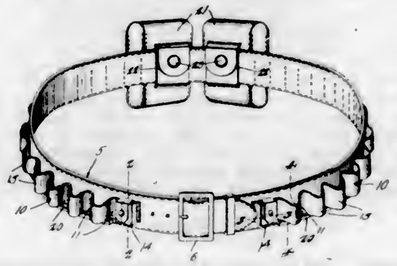
1. In combination, a pair of yarn furnishing wheels having intermeshing teeth with portions for driving one from the other, and having other toothed portions of less thickness than the driving portions, which other portions perform the function of yarn furnishing without performing the function of driving one wheel from the other, substantially as described.

1,589,314. CUTTER ATTACHMENT FOR SEWING MACHINES. HARRY JACOVITZ, New York, N. Y. Filed July 1, 1925. Serial No. 40,729. 6 Claims. (Cl. 112—124.)



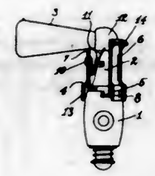
1. A cutter attachment for sewing machines comprising in combination a tubular presser bar, a cutter carried by the bar and means for transmitting motion from the sewing machine to the cutter through the tubular bar.

1,589,315. BELT. JOHN WHITE JOHNSTON, Rochester, N. Y. Filed Feb. 6, 1925. Serial No. 7,381. 2 Claims. (Cl. 224—231)



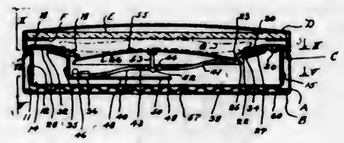
1. In a photographer's device the combination with a belt, of a strip secured to the belt and arranged in corrugated form to provide a plurality of pockets for retaining rolls of films, a bead strip secured to the lower edge of the belt upon which the cylindrical objects rest and are thereby prevented from passing from the pockets.

1,589,316. LOCK FOR VALVES. WILLIAM O. KAISER, Oakland, Calif. Filed Apr. 24, 1923. Serial No. 634,274. 5 Claims. (Cl. 251—164.)



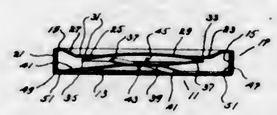
1. In combination with a valve having a body, a plug, a handle on said plug, said body having two notches formed therein, one of said notches being deeper than the other, a sleeve surrounding said plug and a lug on the bottom of said sleeve adapted to project into either of said notches.

1,589,317. VANITY CASE. HENRY C. KARLSON, Hasbrouck Heights, N. J., assignor to V. Vivandou, Inc., New York, N. Y., a Corporation of Delaware. Filed May 1, 1924, Serial No. 710,294. Renewed Nov. 16, 1925. 16 Claims. (Cl. 132—83.)



1. A device of the class described, comprising in combination, a member having a depressed seat, a dished approach extending upwardly outward from the latter, and an upwardly acting spring urged closure cooperating with the underside of said seat and projecting thereabove, said closure being disposed below the outer limit of said member in both the open and closed positions.

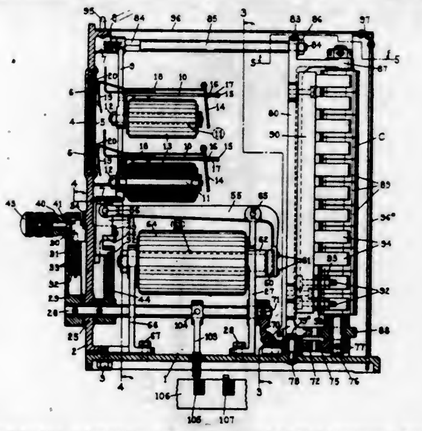
1,589,318. POWDER DISPENSER. HENRY C. KARLSON, Hasbrouck Heights, N. J., assignor to V. Vivaudou, Inc., New York, N. Y., a Corporation of Delaware. Filed July 11, 1924, Serial No. 725,489. Renewed Sept. 29, 1925. 11 Claims. (Cl. 132—82.)



1. An article of the type specified, including a pair of coacting trimmed container elements, one of said elements being provided with a discharge opening in its top face, depressed below the rim of the other element, a spring urged closure coacting with the edge of said opening, and means for tightly securing the said elements one to the other to prevent disassociation and movement therebetween.

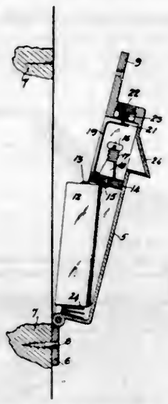
1,589,319. DESK CIRCUIT CONTROLLER. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Nov. 20, 1922. Serial No. 602,042. 15 Claims. (Cl. 246—135.)

1. In a desk circuit controller, the combination of a sub-base having lock bars slidably mounted therein, of a circuit controller mounted on said sub-base comprising a casing having a front panel provided with a plurality of electrically operated indicators, a circuit controller drum supported vertically in the rear of the casing, an operating member extending through the front panel and operatively connected to said circuit controller drum,



electrically releasable means for locking said member, and means extending from said member and operatively engaging one of said lock bars.

1,589,320. THEATRE-SEAT LIGHT. BURT M. MCCONNELL, New York, N. Y. Filed May 20, 1922. Serial No. 562,433. 4 Claims. (Cl. 240—4.)

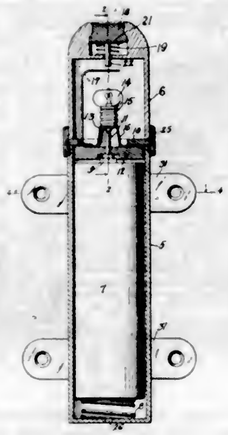


1. A lighting device for attachment to a theatre seat, comprising a housing open at one side and provided with a shaded opening at the opposite side; a cell, a light and a switch in circuit, carried by the housing, the light being located near said shaded opening; and means engageable with the opposite sides of the housing for detachably securing it to the theatre seat with the said open side toward the seat.

1,589,321. THEATER-SEAT LIGHT. BURT M. MCCONNELL and WALTER FRIEND, New York, N. Y., assignors, by direct and mesne assignments, of two-thirds to said McConnell and one-third to Martin T. Fisher, New York, N. Y. Filed May 20, 1922. Serial No. 562,434. 3 Claims. (Cl. 240—4.)

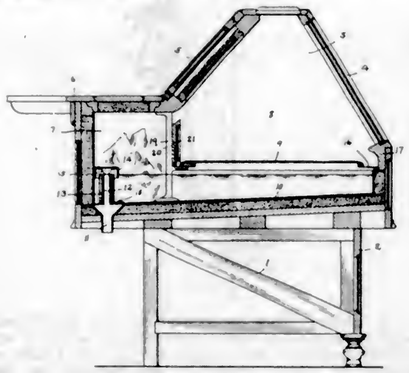
1. A lighting device for use on a theater seat comprising a casing, means secured to the casing and detachably engageable with a part of the theater seat,

for mounting the casing between two adjacent seats whereby it is accessible to either of two persons sitting to the rear of the lighting device and whereby the lighting device may be applied to or removed from the theater



seat as a unit, a cell, a light and a switch in circuit the switch being located in the top of the casing above the light, and means for directing the beam from the light downwardly into the lap of the user, while shading it from the eyes of the user.

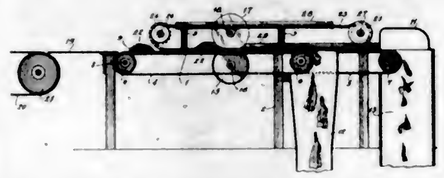
1,589,322. REFRIGERATED SHOW CASE. WALTER MUNCH, Superior, Wis., assignor to Syphonix Refrigerator Company, Superior, Wis., a Corporation of Wisconsin. Filed July 25, 1925. Serial No. 46,042. 2 Claims. (Cl. 62—37.)



1. A refrigerated show case of the character described including a front wall comprising an upper transparent portion and a lower opaque portion, a grid adjacent and concealed from view by said opaque wall, and an elevated floor inclined toward said grid so as to drain therein substantially as and for the purpose described.

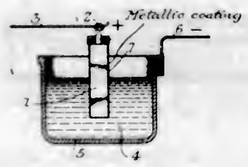
1,589,323. TOBACCO-STEMMING MACHINE. CHARLES LEWIS ROBERTS, Louisville, Ky., assignor to The American Tobacco Company, New York, N. Y., a Corporation of New Jersey. Filed June 11, 1925. Serial No. 36,298. 7 Claims. (Cl. 131—57.)

1. A machine for transversely severing tobacco leaves into tip and butt portions, including a feeding mechanism for moving the hands in a direction transverse to their length, said mechanism comprising a plurality of means arranged in spaced relation to firmly grip the



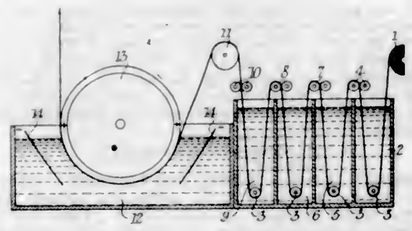
hands near the opposite ends thereof, and mechanism between the said means for cutting the hands transversely.

1,589,324. ELECTRODEPOSITION OF ORGANIC MATERIALS ON ANODES FROM AQUEOUS EMULSIONS THEREOF. CARL L. BEAL and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 7, 1925. Serial No. 28,690. 7 Claims. (Cl. 204—1.)



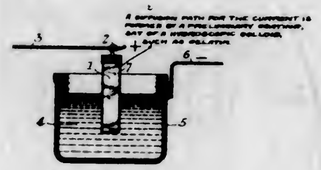
1. The process of depositing organic material on an electroconducting surface of an object, which comprises bringing said surface, connected as an anode, into contact with an aqueous electroconducting emulsion of said organic material and passing a depositing electric current through said surface and emulsion, there being present in the anode zone during the deposition a metal having a greater affinity for oxygen than said organic material has.

1,589,325. ELECTRODEPOSITING ORGANIC MATERIAL SUCH AS RUBBER UPON POROUS OBJECTS OF NONCONDUCTING MATERIAL SUCH AS FABRICS. SAMUEL E. SHEPPARD and CARL L. BEAL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 1, 1926. Serial No. 99,079. 10 Claims. (Cl. 204—1.)



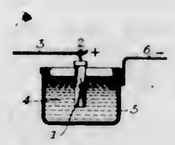
1. The process of electrodepositing organic coating material upon porous objects of non-conducting material which comprises the steps of adding to said objects a size containing a coagulant and bringing said sized object into contact with an aqueous electro-conducting emulsion of said organic coating material and passing an electrodepositing current through said emulsion with said object adjacent the anode in the path of the current.

1,589,326. ELECTRODEPOSITION OF ORGANIC MATERIALS SUCH AS RUBBER AND CELLULOSIC COMPOUNDS. SAMUEL E. SHEPPARD and CARL L. BEAL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 22, 1925. Serial No. 25,160. 11 Claims. (Cl. 204—1.)



1. The process of depositing organic material on an electro-conducting surface of an object, which comprises coating said surface with a substratum which forms a diffusion path for the current at said surface, and then bringing said substratumed surface into contact with an electroconducting aqueous emulsion of said organic materal and passing a depositing electric current through said surface, substratum and emulsion.

1,589,327. ELECTRODEPOSITION OF COATINGS OF CELLULOSIC COMPOUNDS. LEON W. EBERLIN and CARL L. BEAL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1925. Serial No. 21,311. 18 Claims. (Cl. 204—1.)

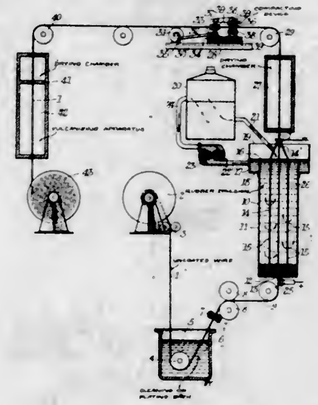


1. The process of depositing a cellulosic compound on an electroconducting surface of an object, which comprises the steps of bringing said surface into contact with an electroconducting emulsion containing droplets of the cellulosic compound and passing a depositing electric current through said surface and emulsion.

1,589,328. AQUEOUS EMULSIONS OF ELECTRODEPOSITABLE CELLULOSIC COMPOUNDS AND COALESCING AGENTS THEREFOR. LEON W. EBERLIN and CARL L. BEAL, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1925. Serial No. 21,342. 12 Claims. (Cl. 204—1.)

1. An aqueous emulsion containing in the disperse phase an electrodepositable cellulosic compound, sufficient coalescing agent for said compound being present in the emulsion to cause the deposited particles of said compound to blend.

1,589,329. PROCESS OF ELECTRODEPOSITING RUBBER UPON A METAL WIRE. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 20, 1925. Serial No. 70,321. 11 Claims. (Cl. 204—1.)



1. The process of coating metal that comprises electrodepositing thereon a coating of vulcanizable rubber composition, partially drying such coating, compacting the coating by uniform pressure, and then further drying the coating.

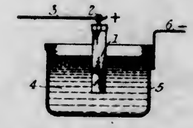
1,589,330. AQUEOUS EMULSION CONTAINING ELECTRODEPOSITABLE RUBBER AND A CELLULOSIC COMPOUND. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1925. Serial No. 21,339. 6 Claims. (Cl. 204—1.)

1. An aqueous emulsion comprising in the disperse phase electrodepositable rubber and a cellulosic compound.

1,589,331. AQUEOUS EMULSION OF UNVULCANIZED RUBBER AND SULPHUR. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1925. Serial No. 21,340. 8 Claims. (Cl. 204—1.)

1. An aqueous emulsion comprising in the disperse phase electrodepositable unvulcanized rubber, vulcanizing material, and an organic protective colloid, swellable in water.

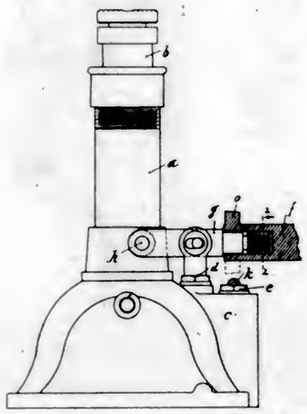
1,589,332. ELECTRODEPOSITION OF COATINGS COMPRISING RUBBER AND A CELLULOSIC COMPOUND. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 7, 1925. Serial No. 21,341. 6 Claims. Cl. 204—1.)



1. The process of depositing rubber and a cellulosic compound simultaneously onto an electroconducting surface of an object, which comprises the steps of bringing

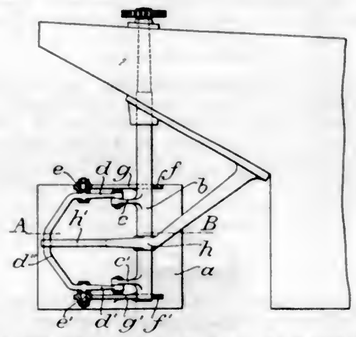
said surface into contact with an electroconducting emulsion comprising in the disperse phase rubber and a cellulosic compound and passing a depositing electric current through said surface and emulsion.

1,589,333. HYDRAULIC LIFTING JACK. HEINRICH DÖRNENBURG, Essen, Germany, assignor to Pressluft und Berieselung, Gesellschaft mit beschränkter Haftung, Gelsenkirchen, Germany. Filed Nov. 17, 1925, Serial No. 69,669, and in Germany Nov. 10, 1924. 1 Claim. (Cl. 138—9.)



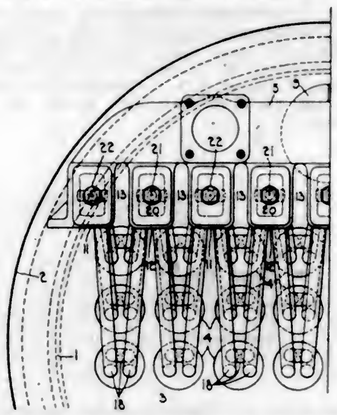
The combination, in a hydraulic lifting-jack, with a pressure-cylinder, a plunger therein, a container for the pressure-medium, a pump to force the latter into said cylinder, a rocking lever fulcrumed to said cylinder and adapted to operate said pump, and a pressure discharge-valve on said container comprising a projecting valve-rod; of an axially rotatable handle on said lever, and an integral cam on said handle directly above said valve, said cam when downwardly directed acting upon the valve-rod of said discharge-valve so as to open the latter while when upwardly directed it does not influence the valve during the rocking movement of the lever, substantially as set forth.

1,589,334. BALANCE RUDDER. ERLING KITTELSEN, Eidsvold, Norway, assignor to the Firm of Lloyd Propulsion Ltd., Eidsvold Verk, Eidsvold (Akershus), Norway. Filed Oct. 8, 1924. Serial No. 742,432. 2 Claims. (Cl. 114—162.)



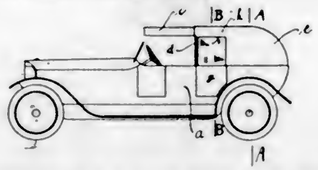
1. In combination, a rudder shaft, a balance rudder slidably mounted on said shaft, and a pivotal lever system connecting said rudder and shaft, substantially as and for the purpose set forth.

1,589,335. STEAM SUPERHEATER. JOHN GEORGE ROBINSON and ROBERT ABSALOM THOM, Manchester, England, assignors to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 27, 1921, Serial No. 524,918, and in Great Britain Feb. 7, 1921. 3 Claims. (Cl. 122—462.)



1. A steam superheater header for a locomotive boiler, comprising two chambers for saturated steam and for superheated steam respectively arranged one in front of the other and each provided with a series of branch chambers depending from them and arranged alternately, said chambers and branch chambers being of a total height for installation in the boiler smoke box wholly above the level of its fire-tubes so as to permit the removal of said fire-tubes, the said branch chambers each having holes in their rear sides for the expanded end portions of superheater pipes, said holes being arranged horizontally in pairs, one pair above another, and said branch chambers having spaces between them of such narrow width as only to permit the end portions of the superheater pipes to be slid through them when said end portions are sprung into the same vertical plane.

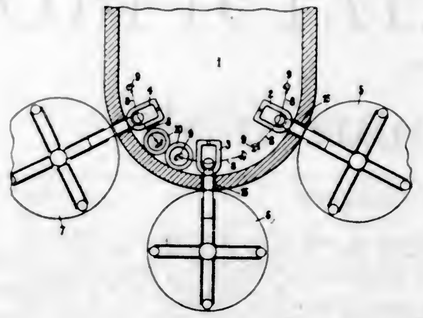
1,589,336. TURNABLE HOOD FOR MOTOR CARS. GERHARD SCHOENEN, Minden, Germany. Filed Sept. 10, 1925, Serial No. 55,534, and in Germany Sept. 13, 1924. 1 Claim. (Cl. 296—107.)



The combination in a motor-car, of a car body at its rear end of semicircular cross-section and double-walled to form a guide therein and provided with door openings, and a hood of light metal turnable on its longitudinal axis in such a way that it can be mounted and locked in its position of use or turned down into said guide and having window openings therein corresponding to said door openings.

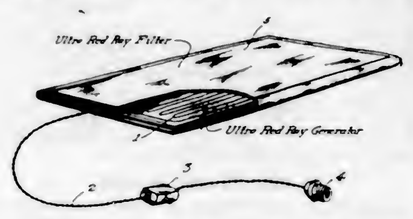
1,589,337. REMOVAL OF GLASS FROM GLASS FURNACES. HEINRICH SEVERIN, Sasbach, near Achern, Baden, Germany. Filed Sept. 25, 1925, Serial No. 58,651, and in Germany Sept. 23, 1924. 4 Claims. (Cl. 49—5.)

1. A method of withdrawing glass directly from a glass furnace having definite dipping chambers and clarifying rings for the mould, consisting in this that the mould is inserted into the molten glass at the dipping chamber and the glass adhering to the mould, when the



latter is withdrawn, is cut off and thrown into the clarifying rings externally of the dipping chamber, as and for the purpose set forth.

1,589,338. ULTRA-RED THERAPEUTIC PAD. GEORGE STARR WHITE, Los Angeles, Calif. Filed Nov. 12, 1923. Serial No. 674,187. 2 Claims. (Cl. 174—177.)

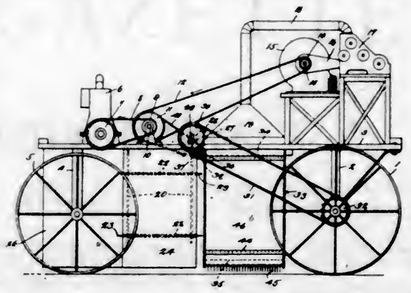


1. In a therapeutic pad, the combination of a generator of rays of the spectrum including ultra-red rays in preponderance and a covering sheet to be interposed between said generator and the body of the subject, said covering sheet being permeable to ultra-red rays and an occlusor of the remaining rays of the spectrum which are irritant to the skin.

1,589,339. MANICURING INSTRUMENT. RALPH H. GOLDMAN, New York, N. Y., assignor to Henry L. Hughes Co., Inc., a Corporation of New York. Filed June 15, 1925. Serial No. 37,086. 7 Claims. (Cl. 133—73.)

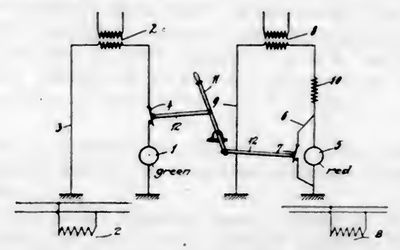
1. A device of the class described including a shaft having at one end a compact body of stubby bristles terminating in wedge-form.

1,589,340. COTTON HARVESTER. GEORGE B. RODGERS, San Francisco, Calif. Filed June 11, 1924. Serial No. 719,382. 3 Claims. (Cl. 56—49.)



1. In a cotton harvester, the combination with a portable structure, of depending endless belts spaced apart to provide a plant receiving passage there-between, said belts being movable about axes extending in the direction of movement of the structure, parallel series of combing fingers upon each belt and extending transversely thereof, the series of fingers on each belt being spaced apart to receive a plurality of plants there-between prior to each combing operation, the fingers on each belt being directly opposite the fingers on the opposed belt.

1,589,341. ELECTRIC SIGNALING SYSTEM. HERMANN ARNDT, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 24, 1925, Serial No. 52,032, and in Germany Mar. 28, 1924. 1 Claim. (Cl. 177—327.)



In a signal system of the character described, the combination of a current source, a blocking signal lamp connected to said source and a clear track signal lamp connected with said source independently of the blocking lamp, a short circuit connection in shunt to said blocking lamp for completely extinguishing said lamp, said shunt containing a contact switch for controlling it, a contact switch in said clear track lamp circuit for interrupting its connection with said source, means controlled by the operation of said clear track switch for simultaneously closing said shunt switch with said clear track switch, and means in said blocking lamp circuit for preventing a short circuit of said source when said lamp is extinguished.

Patents Nos. 1,589,342 to 1,590,175.

THE

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T. M. Renewals	30		
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Reissues	4—No.	16,365 to No.	16,368, inclusive.
Designs	66—No.	70,396 to No.	70,461, inclusive.
Patents	684—No.	1,589,342 to No.	1,590,175, inclusive.
Total	1,135		

Interference Notice.

U. S. Patent Office, *Washington, June 11, 1926.*

Harry S. Daubert, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of John M. Hufft, of box 711, Tucson, Ariz., and patent granted October 23, 1923, No. 1,471,452, to Harry S. Daubert, of 710 Pierce Street, Amarillo, Tex., and a notice of such declaration sent by registered mail to said Daubert at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Daubert, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Notice of Cancellation.

U. S. Patent Office, *Washington, June 2, 1926.*

Standard Motor Parts Mfg. Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Wallach Brothers Company, 6603 Carnegie Avenue, Cleveland, Ohio, to effect the cancellation of the trade-mark registration of the Standard Motor Parts Mfg. Co., 1200 Chestnut Street, Philadelphia, Pa., No. 98,828, dated August 4, 1914, and the notice of such proceeding sent by registered mail to the said Standard Motor Parts Mfg. Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Standard Motor Parts Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,545,959, D. Huyler, Golf-ball-teeing device, decided May 11, 1926, claims 1, 2, 3, 4, 5, and 11.

Pat. 1,561,923, F. O. Heltzel, Concrete form, decided June 5, 1926, claims 1 to 5, inclusive.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 86,466, Oranges, lemons, grapefruit, tangerines, and limes, Lee B. Skinner, Dunedin, Fla. Registered May 7, 1912. Decided May 6, 1926.

T. M. 133,041, Macaroni, spaghetti, and noodles, Paul Francis Skinner, Omaha, Nebr. Registered July 6, 1920. Decided May 13, 1926.

T. M. 136,055, Certain named foods, Keystone Instant Food Company, Inc., Danbury, Conn., and New York, N. Y. Registered October 26, 1920. Decided May 13, 1926.

T. M. 164,916, Hairdressings, Archie W. Tripps, Dallas, Tex. Registered February 27, 1923. Decided April 27, 1926.

T. M. 176,651, Baker's vanilla, tomato bouillon, marshmallow frost, tutti-frutti, cocoa paste, caramel sundae, maple-walnut sundae, butter-scotch sundae, Keystone Fruit Products Company, Cincinnati, Ohio. Registered November 27, 1923. Decided May 13, 1926.

T. M. 195,223, Stomach medicine, The Wormley Co., Rochelle, Ill. Registered February 17, 1925. Decided May 28, 1926.

Condition of Applications Under Examination at Close of Business June 11, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,537; Trade-Mark Division, 1,841. Oldest new case, Jan. 2, 1926; oldest amended, Dec. 23, 1925. The dates given are 1926 except where † indicates 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 23	Mar. 27	548
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 17	Feb. 20	578
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 5	Mar. 3	1,195
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 8	Apr. 5	802
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 18	Jan. 18	949
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 8	Feb. 11	1,385
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 17	Mar. 17	829
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 30	Mar. 26	1,034
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Mar. 5	Apr. 7	559
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 11	Mar. 12	961
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 17	Mar. 4	750
380	12. PIERCE, P. P., Machine Elements	Mar. 12	Mar. 11	608
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 26	Apr. 2	674
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 2	Mar. 9	906
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 29	Apr. 8	603
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 15	Mar. 10	922
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 3	Feb. 15	457
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 5	Feb. 3	825
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 9	Apr. 5	510
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 24	Mar. 22	768
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Mar. 11	Mar. 26	498
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 10	Feb. 10	694
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Mar. 24	Mar. 24	261
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 11	Mar. 23	532
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Mar. 6	Mar. 4	999
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 2	†Dec. 31	758
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 5	Apr. 3	519
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 19	Mar. 22	1,019
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 21	Jan. 12	1,011
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Apr. 10	Mar. 24	669
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 2	Mar. 25	838
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Mar. 19	Mar. 19	554
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 8	Apr. 5	792
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 5	†Dec. 23	653
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 1	Apr. 27	614
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 23	Mar. 26	989
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 1	Mar. 2	1,074
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 2	Feb. 6	899
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 4	Mar. 19	469
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 15	Mar. 15	1,061
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 11	Mar. 9	470
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Mar. 12	Mar. 15	1,026
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 12	Mar. 15	771
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 5	Jan. 2	1,029
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 13	Mar. 15	497
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 5	Mar. 4	768
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 11	Mar. 17	1,077
213*	48. ROEPKE, O. H., Electricity, Conductors; Electricity, General Applications	Jan. 2	Jan. 2	1,683
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Mar. 31	Apr. 14	511
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 18	Mar. 3	1,250
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 3	Jan. 26	1,791
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 15	Mar. 16	849
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 9	Apr. 3	762
102	DESIGNS: C. O. MARKHAM (Acting)	May 17	May 19	407
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks	May 12	May 29	1,739
	{Labels and Prints	May 22	May 29	102

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

LAMB AND HOOVER *v.* GUILLEMARD.

No. 1,838. Decided April 5, 1926.

1. NOLAN ACT OF MARCH 3, 1921—GRANT OF PATENT TO ANOTHER BEFORE PASSAGE OF ACT.

Where L. and H. filed their application in this country and obtained a patent thereon before G. filed his application on May 14, 1920, but G. had filed an application in France on October 3, 1917, before L. and H. filed their application in this country, the contention of L. and H. that the application of G. had no standing under the Nolan Act of March 3, 1921, because their patent was granted and vested before that act was passed could not be sustained.

2. SAME—SAME—EFFECT OF PROVISOS IN SECTION 1 OF THE ACT.

Where L. and H. filed their application and obtained a patent thereon before G. filed his application on May 14, 1920, but G. had filed an application in France on October 3, 1917, before L. and H. filed their application in this country, *Held* that the provisos of section 1 of the Nolan Act of March 3, 1921, do not except G. from its provisions. The granting of a patent to G., however, would not in fact or law furnish him a basis of claim against the Government of the United States or affect the rights of L. and H. coming within the terms and definitions of the provisos.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. H. E. Knight and *Mr. H. C. Workman* for Lamb et al.

Mr. C. S. Grindle for Guillemard.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

MARTIN, *C. J.:*

This is an appeal taken in an interference proceeding relating to an invention of a certain chemical mixture or compound designed for use in a respiratory apparatus for protection against deleterious gases. The interference involves an application of Guillemard filed May 14, 1920, and a patent [No. 1,321,061] granted to Lamb and Hoover on November 4, 1919, on an application filed by them on December 28, 1918. Guillemard who is a French citizen, claimed that he had filed an application for a corresponding patent in France on October 3, 1917, and that under section 4887 Revised Statutes, and the Nolan Act (41 Stat. 1313), he was entitled to the same filing date for his present application. He stated also that a patent had been issued upon his French application on September 1, 1920. This claim was contested by Lamb and Hoover, in respect both to its statements of fact and its construction of the statutes.

Guillemard introduced certain French certificates as proof of his alleged foreign application and the identity of that invention with this. Lamb and Hoover charged that the certificates were insufficient and incompetent to sustain Guillemard's claim, citing *Guettler* v. *Alfsen*, 314 O. G. 7; 53 App. D. C. 215. This objection was overruled, but afterwards by leave duly had Guillemard filed substituted certificates of the French Patent Office, which together with his present application were rightly held to be sufficient proof of his allegations concerning his French application. The Law Examiner held that under section 4887 Revised Statutes, and the Nolan Act, Guillemard's American application was entitled to the same filing date as his French application, to wit, October 3, 1917, thus constituting him the senior party. Accordingly the burden of proof was shifted to Lamb and Hoover. The Commissioner of Patents denied a petition addressed to his supervisory authority to reverse this ruling.

Lamb and Hoover introduced no testimony in the proceeding, but rested upon the record. Whereupon the Examiner of Interferences awarded priority of invention to Guillemard, and this decision was affirmed by the Examiners in Chief, whose decision in turn was affirmed by the Commissoner of Patents. This appeal was then taken by Lamb and Hoover chiefly upon the ground that Guillemard is not entitled to the benefit of the Nolan Act, and that the proofs of the French application are incompetent and insufficient.

It is provided inter alia by section 4887, Revised Statutes, that no person otherwise entitled thereto shall be debarred from receiving a patent for his invention, nor shall any patent be declared invalid by reason of its having been first patented by the inventor in a foreign country, unless the application for the foreign patent was filed more than 12 months prior to the filing of the application in this country, in which case no patent shall be granted in this country; and that an application for a patent for an invention filed in this country by any person who has previously regularly filed an application for a patent for the same invention in a foreign country which affords similar privileges to citizens of the United States shall have the same force and effect as the same application would have if filed in this country on the date on which the application for the patent for the same invention was first filed in the foreign country, provided the application in this country is filed within 12 months from the earliest date on which any such foreign application was filed.

It is provided inter alia by the Nolan Act, approved March 3, 1921, that the rights of priority provided by section 4887 Revised Statutes (supra), for the filing of applications for a patent for invention, which rights had not expired on August 1, 1914, or have arisen since that day, shall be and they are extended until the expiration of six months from the passage of this act in favor of the citizens of the United States or subjects of all

countries which have extended, or now extend, or within said period of six months shall extend substantially similar privileges to citizens of the United States, and such extension shall apply to applications upon which patents have been granted, as well as to applications now pending or filed within the period herein; provided that such extension shall in no way furnish a basis of claim against the Government of the United States, and shall in no way affect the right of any citizen of the United States, who, before the passage of this act, was bona fide in possession of any right in patents or application for patent conflicting with rights in patents granted or validated by reason of such extension, to exercise such rights by itself or himself personally, or by such agents, or licensees, as derived their rights from it or him, before the passage of this act, and such persons shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension; and that no patent granted or validated by reason of such extension shall abridge or otherwise affect the right of any citizen of the United States, or his agents or successors in business, to continue any manufacture, use, or sale commenced before the passage of this act, and such persons shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension; and that no patent granted or validated by reason of such extension shall abridge or otherwise affect the right of any citizen of the United States, or his agents or successors in business, to continue any manufacture, use, or sale commenced before the passage of this act, and such persons shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension, nor shall the continued manufacture, use, or sale by such citizen, or the use or sale of the devices resulting from such manufacture or use constitute an infringement.

[1] The appellants contend that Guillemard is barred from the grant of a patent by reason of section 4887 Revised Statutes, and this contention is correct if Guillemard's application is denied the benefit of the Nolan Act. Appellants contend that the application has no standing under the Nolan Act because appellants' patent was granted and vested before that act was passed. This contention cannot be sustained.

The contention that Kling had a vested right in his patent, which could not be affected by changing the laws in force at the time the patent was issued, is not well founded. The mere issuance of a patent by the Patent Office does not conclusively and finally determine the rights under the patent. After a patent is issued any person claiming to be the prior inventor may file his application for the patented invention and it is the duty of the Patent Office to determine the question of priority of invention in appropriate interference proceedings. After hearing the parties in such proceedings the Patent Office may adjudge that a subsequent applicant is the prior inventor and issue to him a patent if the proven facts warrant that conclusion. R. S. 4904.

Smith, J., in *Kling* v. *Haring*, 345 O. G. 5; 56 App. D. C. ———, decision handed down February 1, 1926.

See also *Seror* v. *Dick*, 331 O. G. 228; 55 App. D. C. 151, and *William Walter Owen* v. *George Heimann*, 56 App. D. C. ———, decision handed down concurrently herewith.

[2] Appellants' contention that the proviso in the Nolan Act, supra, excepts Guillemard from its provisions is also untenable. The granting of a patent to Guillemard would not in fact or law furnish him a basis of claim against the Government of the United States, nor affect the rights of Lamb and Hoover coming within the terms and definitions of the proviso. In answer to other contentions of appellants we may say that France has granted reciprocal rights to American citizens corresponding with the provisions of the Nolan Act, 287 O. G. p. 1. The record discloses also Guillemard's French citizenship, his French application, and his identity with the French applicant.

The decision of the Commissioner of Patents is affirmed.

Court of Appeals of the District of Columbia.

SCALIONE *v.* BOSCH AND HEIMANN.

No. 1,824. Decided April 5, 1926.

1. NOLAN ACT OF MARCH 3, 1921—SECTION 3 AND PROVISOS OF SECTION 1.

Section 3 of the Nolan Act of March 3, 1921, and the provises of section 1 confer certain rights upon citizens of the United States, under specified conditions, as against the holder of a patent granted or validated by reason of the extensions provided in the act.

2. SAME—SAME.

Under the act a patent is to be issued to the prior inventor, subject, however, to the rights of citizens of the United States carefully defined in the act.

APPEAL from Patent Office. Affirmed.

Mr. Harry E. Knight and *Mr. Henry C. Workman* for Scalione.

Mr. W. E. Warland for Bosch.

Mr. J. L. Norris for Heimann.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office in an interference proceeding awarding priority of invention to the party Bosch, as against the parties Scalione and Heimann. Heimann took no appeal.

The invention is a process of producing a compound nondeliquescent fertilizer consisting in mixing together ammonium nitrate and an alkali-metal chloride in about equivalent proportions in the presence of water.

Given the benefit of his German application, Bosch is entitled to a date for constructive reduction to practice prior to any date claimed by Scalione. Two of the contentions of Scalione, namely, that Bosch has introduced no testimony as to his German citizenship and that there is no proof, under the Nolan Act, that Germany extends reciprocal privileges to American citizens, were fully answered in *Seror et al.* v. *Dick*, 331 O. G. 228; 55 App. D. C. 151, 3 F. (2d) 92. There, as here, the applicant seeking the benefit of the Nolan Act represented himself to be a citizen of the foreign country in which his application first was filed, and the representation was verified. As to the other question, we ruled that, upon the passage of the Nolan Act, it became the duty of the Commissioner of Patents to administer it, and, the Commissioner having determined that the laws of France were reciprocal, (as he here has determined with respect to the laws of Germany), no further showing was necessary as to the character of the foreign law.

There is a further contention made in this case, however, which was not specifically passed upon in *Seror* v. *Dick*. This contention is based upon certain provisions in the first and third sections of the Nolan Act, (41 Stat. 1313), section 1 providing that the extension authorized by the act shall furnish no basis of a claim against the Government of the United States and shall in no way affect the right of any citizen of the United States who, before the passage of the act, was bona fide—

> in possession of any rights in patents or applications for patent conflicting with rights in patents granted or validated by reason of such extension, to exercise such rights by itself or himself personally, or by such agents, or licensees, as derived their rights from it, or him, before the passage of this act, and such persons shall not be amenable to any action for infringement of any patent granted or validated by reason of such extension.

Section 3 contains a similar provision as to the right of a citizen of the United States, or his agent or agents, or his successor in business, to continue any manufacture, use or sale commenced before the passage of the act, notwithstanding the grant of a patent by reason of the extension provisions in that act.

[1, 2] Scalione's contention, as we understand it, is that since his application was filed prior to the passage of the Nolan Act, the patent should be granted to him. As observed by the Patent Office, were this contention upheld the Nolan Act would be practically a nullity. In our view, the provisions relied upon confer certain rights upon citizens of the United States, under specified conditions, as against the holder of a patent granted or validated by reason of the extensions provided in the act. For example, where a manufacturer in good faith, before the passage of the act, had established a business and subsequently a patent was granted to another by reason of the extension provisions of the act, the manufacturer, his agent or successor in business, should not be liable to a suit for infringement by reason of continued manufacture and sale. In other words, under the act a patent is to be issued to the prior inventor, subject however to the rights of citizens of the United States carefully defined in the act. With the precise limitation of those rights we are not here concerned.

The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

SCALIONE *v.* BOSCH.

No. 1,825. Decided April 5, 1926.

Mr. Harry E. Knight and *Mr. Henry Workman* for Scalione.

Mr. W. E. Warland for Bosch.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

This interference involves the same applications of the parties Scalione and Bosch that were involved in the prior interference, patent appeal No. 1824, just decided, and the same contentions are made. It follows that the rulings made in that case are controlling here and, accordingly, the decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

SCALIONE *v.* HEIMANN.

No. 1826. Decided April 5, 1926.

Mr. Harry E. Knight and *Mr. Henry Workman* for Scalione.

Mr. J. L. Norris for Heimann.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

This interference involves the same applications of the parties Scalione and Heimann that were involved in patent appeal No. 1824, just decided. Heimann relies upon his German application, as did the party Bosch in patent appeal No. 1824. Since the rulings in that case are applicable here, the facts being substantially the same, the decision is affirmed.

Affirmed.

ADJUDICATED PATENTS.

(C. C. A. Ind.) The Bush patent, No. 855,160, for train shed permitting escape of gases and steam, claims 1 to 6 *Held* invalid. *Bush* v. *Indianapolis Union Ry. Co.*, 11 F. (2d) 703.

(D. C. N. Y.) The Miller patent, No. 1,026,359, for device for packing eggs, *Held* not infringed. *Holed-Tite Packing* v. *Mapes*, 11 F. (2d) 787.

(C. C. A. Ind.) The Bush patent, No. 1,101,783, for improving construction of smoke duct and ventilating duct in train shed, claims 1 to 3 *Held* invalid. *Bush* v. *Indianapolis Union Ry. Co.*, 11 F. (2d) 703.

(C. C. A. N. Y.) The Atterbury patent, No. 1,140,559, for an artificial stone of a texture such that nails might be driven therein, claims 1, 2, 3, 4, 5, 7, 8, and 10 *Held* invalid. *Nailcrete Corporation* v. *Paul Mende, Inc.*, 11 F. (2d) 678.

(C. C. A. Pa. and D. C. Pa.) The Bishop patent, No 1,150,415, for manufacture of hydrofluoric acid, *Held* not infringed. *General Chemical Co.* v. *Aluminum Co. of America*, 11 F. (2d) 810 and 813.

(D. C. N. Y. The Koppelman and Cooper patent, No. 1,429,207, for device for packing eggs, claims 1–6, 8–10 *Held* valid and infringed. *Holed-Tite Packing* v. *Mapes*, 11 F. (2d) 787.

(C. C. A. Ohio.) The Witten patent, No. 1,484,919, for process for coloring rubber in toy balloons, etc., claims 3, 4, 8–10 *Held* invalid. *Witten* v. *Oak Rubber Co.*, 11 F. (2d) 774.

(D. C. Mass.) The Respess patent, No. 1,524,573, for process for making unwoven fabrics and the product, claims 3, 4, 6–9 *Held* not infringed and claims 1, 2, 5, 20, 21, and 22 *Held* invalid. *Respro, Inc.*, v. *Sydeman*, 11 F. (2d) 779.

(D. C. Mass.) The Respess reissue patent, No. 15,602, for process for making unwoven fabrics, claim 2 *Held* invalid. *Respro, Inc.*, v. *Sydeman*, 11 F. (2d) 779.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.; 1,180,159, I. Langmuir, Incandescent electric lamp; 1,423,956, Mitchell & White, Tipless incandescent lamp and similar article, suit filed Oct. 14, 1924, D. C. N. J., Doc. E 819, *General Electric Co.* v. *Essex Lamp Co., Inc., et al.* Interlocutory consent decree Apr. 9, 1926.

1,028,089, F. B. Herzog, Electric signaling apparatus; 1,109,950, A. Andrew, Signaling apparatus; 1,160,315, E. R. Newell, Elevator-signaling apparatus, suit filed June 26, 1922, D. C. N. J., Doc. 3679, 3680 and 3682, *Elevator Supplies Co., Inc.* v. *Franz Boedtcher*. Decree after trial Apr. 6, 1926.

1,041,279, Heinsohn, Edwards & Klans, Machine for rolling annular plates, order dismissing case without prejudice Apr. 28, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1254, *The Hydraulic Steel Co. et al.* v. *The American Welding & Mfg. Co.*

1,042,472, Paridon & Palmer, Machine for making match books, appeal filed May 1, 1926, C. C. A. (2d Cir.), Doc. 9213, *Diamond Match Co.* v. *Sun Match Corp.*

1,082,933. (See 1,018,502.)

1,109,950. (See 1,028,089.)

1,127,660, J. H. McMichael, Method of and apparatus for transporting and treating concrete, decree affirmed (notice dated May 6, 1926), C. C. A. (2d Cir.), Doc. 9057, *Concrete Mixing & Conveying Co.* v. *Ulen Contracting Corp.*

1,152,326, T. A. Lewis, Method of and apparatus for laying submarine pipe, decree affirmed (notice dated May 6, 1926), C. C. A. (2d Cir.), Doc. 9034, *T. A. Lewis* v. *Merritt, Chapman & Scott Corp.*

1,160,315. (See 1,028,089.)

1,160,315, E. R. Newell, Elevator-signaling apparatus, decree finding infringement as to claims 14, 15, 20, 21, and 22, injunction (notice dated May 1, 1926), D. C., S. D. Calif. (Los Angeles), Doc. I 23 M, *Elevator Supplies Co., Inc.*, v. *Randall Control & Hydrometric Corp.*

1,180,159. (See 1,018,502.)

1,193,093, B. Weinberger, Garment-pressing machine; 1,326,982, J. B. Spencer, same, suit filed Apr. 28, 1926, D. C., S. D. N. Y., Doc. E 36/335, *United States Hoffman Machine Corp.* v. *O. Fox.*

1,271,527, M. C. Hopkins, Sound-regenerating machine, suit filed May 5, 1926, D. C., S. D. N. Y., Doc. E 36/374, *Lektophone Corp.* v. *Fitch & Morris (Fitch Radio Co.).*

1,296,605, N. W. Akimoff, Method of and apparatus for obtaining dynamic balance; 1,296,606, 1,296,609, same, Dynamic balancing machine; 1,296,610, same, Balancing machine, suit filed May 3, 1926, D. C., W. D. Wis., Doc. E 114, *Dynamic Machine Co. et al.* v. *Gisholt Machine Co. et al.*

1,296,606. (See 1,296,605.)

1,296,609. (See 1,296,605.)

1,296,610. (See 1,296,605.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Apr. 30, 1926, D. C. Tex. (Fort Worth), Doc. E 482, *The Bassick Mfg. Co.* v. *Faught & Windmiller (Motor Parts Station).*

1,307,734. (See 1,307,733.)

1,326,982. (See 1,193,093.)

1,360,256, E. Anderson, Can opener, suit filed May 1, 1926 D. C., N. D. Calif. (San Francisco), Doc. E 1669, *Star Can Opener Co.* v. *Dodge Sweeney & Co.*

1,366,042, J H. Wagenhorst, Wheel and rim; 1,383,679, same, Demountable rim for auto wheels, case dismissed without prejudice on motion of plaintiff May 5, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1439, *J. H. Wagenhorst et al* v. *The Hydraulic Steel Co. et al.*

1,383,679. (See 1,366,042.)

1,409,461, F. A. Myers, Butt hinge, suit filed May 3, 1926, D. C., S. D. N. Y., Doc. E 36/369, *The Stanley Works* v. *McKinney Mfg. Co.*

1,423,956. (See 1,018,502.)

1,429,438, Klaus & Kranz, Electroplating apparatus, bill dismissed Mar. 31, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1255, *The Hydraulic Steel Co. et al* v. *The Firestone Steel Products.*

1,432,658, C. J. Bellar, Grease pump; 1,548,220, C. Spaeth, Liquid-dispensing appliance; 1,544,356, same, Hand truck; Re. 16,284, same, Hose nozzle, suit filed May 3, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1905, *The Marvel Equipment Co.* v. *Merit Oil.*

1,526,091, P. H. Robbins, Corset, suit filed Apr. 30, 1926, D. C., S. D. N. Y., Doc. E 36/354, *Poirette Corsets, Inc.*, v. *H. W. Gossard Co.* Same, suit filed June 17, 1925, D. C. N. J., Doc. E 1296, *Poirette Corsets, Inc.*, v. *Benjamin & Johnes, Inc.* Decree for injunction after hearing Apr. 5, 1926.

1,544,356. (See 1,432,658.)

1,548,220. (See 1,432,658.)

1,551,916, L. E. Valcourt, Chain construction; 1,571,532, 1,571,533, same, Bracelet, suit filed Apr. 29, 1926, D. C., S. D. N. Y., Doc. E 36/340, *Louis Stem Co.* v. *H. B. Kahn.*

1,564,909, Steimer & Steimer, Glass-feeding mechanism; 1,573,742, K. E. Peiler, Feeding molten glass; 1,574,709, L. D. Soubier, Apparatus for delivering charges of molten glass; 1,574,739, E. T. Ferngren, Method and apparatus for delivering molten glass, suit filed Apr. 26, 1926, D. C., S. D. Ohio (E. Div.), Doc. 442, *Hartford Empire Co.* v. *The Lamb Glass Co.*

1,571,532. (See 1,551,916.)

1,571,533. (See 1,551,916.)

1,573,742. (See 1,564,909.)

1,574,709. (See 1,564,909.)

1,574,739. (See 1,564,909.)

Re. 13,232, J. R. Hatmaker, Drying milk, suit filed Apr. 29, 1926, D. C., S. D. N. Y., Doc. E 36/336, *J. R. Hatmaker* v. *The Dry Milk Co.*

Re. 14,680, E. F. Guth, Lighting fixture, appeal filed Apr. 26, 1926, C. C. A. (8th Cir.), Doc. 7445, *The Reflectolyte Co.* v. *Luminous Unit Co.*

Re. 15,641, J. H. Emery, Artificial fruit and method of producing same, decree after mandate, claims 6 to 9 and 11 to 15 held valid and infringed, permanent injunction, Apr. 16, 1926, D. C., N. D. Ohio (E. Div.), Doc. 952, *J. H. Emery (Emery Art Fruit Co.)* v. *The G. H. Bowman Co.*

Re. 16,035, Temple & Temple, Signal, suit filed May 1, 1926, D. C., W. D. Okla., Doc. E 800, *T. I. Temple et al.* v. *G. B. Graf et al.*

Re. 16,284. (See 1,432,658.)

TRADE-MARKS CANCELED.

34,260. Drugs, chemicals, and certain named oils. George Lueders & Co., New York, N. Y., and Chicago, Ill. Registered February 27, 1900. Canceled June 5, 1926.

52,783. Vanillin and cumarin. George Lueders & Co., New York, N. Y.; Chicago, Ill., and San Francisco, Calif. Registered May 15, 1906. Canceled June 5, 1926.

52,968. Baking powder. Frank L. Zabriskie, New York, N. Y. Registered May 22, 1906. Canceled June 5, 1926.

54,276. Oil of orange, oil of bergamot, and oil of lemon. George Lueders & Co., New York, N. Y. Registered June 26, 1906. Canceled June 5, 1926.

110,516. Arch supports. The Scholl Manufacturing Company, Chicago, Ill. Registered May 30, 1916. Canceled June 5, 1926.

181,128. Covered hook-and-eye tapes. R. K. M. Manufacturing Co., Newark, N. J. Registered March 11, 1924. Canceled June 5, 1926.

185,730. Malt preparation. Modern Pharmacal Co., Inc., New York, N. Y. Registered June 24, 1924. Canceled June 5, 1926.

207,705. Ladies' underwear. Phoenix Hosiery Company, Milwaukee, Wis. Registered January 5, 1926. Canceled June 5, 1926.

210,713. Certain named petroleum products. W. H. Barber Company, Minneapolis, Minn. Registered March 23, 1926. Canceled June 5, 1926.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 22, 1926.

[VOL. 347. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 103,942. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed May 19, 1917.

SIMPLEX

"Simplex."

Particular description of goods.—Brake Rigging, Brake Heads, Brake Beams, Brake Shoes, Brake Hangers, and Clasp Brakes.

Claims use since on or about Aug. 1, 1897.

Ser. No. 174,656. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GRINNELL BROTHERS, Detroit, Mich. Filed Jan. 16, 1923.

Wolverine

Particular description of goods.—Musical Instruments Comprising Saxophones, Cornets, Trombones, Mellophones, Trumpets, Bass Horns, Violins, Banjos, and Pianos.

Claims use since about two years.

Ser. No. 191,729. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) UNITED STATES MUSIC COMPANY, Chicago, Ill. Filed Feb. 2, 1924.

LIBRARY EDITION

"Library Edition."

Particular description of goods.—Perforated Music Rolls.

Claims use since Jan. 15, 1924.

Ser. No. 193,466. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KIENZLE UHRENFABRIKEN A. G., Schwenningen, Germany. Filed Mar. 8, 1924.

Particular description of goods.—Clocks, Watches, and Parts Thereof.

Claims use since 1921.

Ser. No. 193,494. (CLASS 12. CONSTRUCTION MATERIALS.) THE ARMSTRONG COMPANY, Detroit, Mich. Filed Mar. 10, 1924.

Particular description of goods.—Cements and Putties for Mounting, Repairing, Cementing, and Setting Furnaces, Retorts, Boilers, and Stoves; Chlorine Putty, Calking Compounds, Acid-Resisting Cement, Elastic Oil Cements, Locomotive Cement, and a Composition in the Form of a Plastic Lute for Stopping the Flow of Metal in Foundry Operations.

Claims use since about Dec. 22, 1922.

Ser. No. 193,647. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ACME WATCH CASE CO., New York, N. Y. Filed Mar. 12, 1924.

ACME

Particular description of goods.—Bracelets and Watch Bracelets.
Claims use since about April, 1922.

Ser. No. 197,120. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY L. SCHROEDER, Chicago, Ill. Filed May 15, 1924.

SCHROEDER PRODUCT ESTABLISHED 1894 H.L.Schroeder CHICAGO ILL TRADE MARK A GUARANTEE OF QUALITY

No claim is made to the terms "A Guarantee of Quality" and "Chicago, Ill." apart from the mark shown in the drawing, nor to the terms "Trade Mark" and "Schroeder Product," nor to the name "H. L. Schroeder" apart from the mark shown.

Particular description of goods.—Bakers' Equipment—Namely, Peels and Handles Therefor, Proof Boxes, Swab Poles, Swab Slings, Dough Troughs and Covers, Dividing Boards, Bakers' Work Tables, Candy Slab Stands, Proofing Closets and Cabinets, Dough-Divider Stands, Candy Paddles, Candy-Scraper Handles, Icing Paddles, Ice Rammers, Ice-Cream Paddles, Pie Dockers, Funnel Dropper Sticks, Pie Pins, Potato Mashers, Rolling Pins, Icing Boards, Starch Boards, Cake Boards, and Cabinet-Makers' Benches.
Claims use since Nov. 1, 1921.

Ser. No. 201,017. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE WILLEY CO. INC., Philadelphia, Pa. Filed Aug. 5, 1924.

IRONED BY ITSELF WASHED BY ITSELF NEW WAY RECORD TIME DRIED BY ITSELF

No claim is made to the words "Washed by Itself," "Ironed by Itself," and "Record Time" apart from the other features of the mark.

Particular description of goods.—Clothes-Washing Machines, Clothes Extractors, Clothes-Ironing Calenders, Collar Shapers, Collar and Cuff Ironing Machines, and Clothes Driers.
Claims use since Oct. 4, 1920.

Ser. No. 201,499. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) N. E. HENDERSON AND SON, INC., Philadelphia, Pa. Filed Aug. 16, 1924.

N E H & SON INC

Particular description of goods.—Push Buttons, Hangers, Chains, Supports, Sockets, and Brackets for Electric-Lighting Fixtures.
Claims use since July 1, 1924.

Ser. No. 202,643. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE THOMAS-SMITH COMPANY, Canton, Ohio. Filed Sept. 15, 1924.

LIBERTY

Particular description of goods.—Electric Bells and Gongs—Namely, Alternating and Direct Current Bells, Single-Stroke and Vibrating Bells, Buzzers, Railroad-Crossing Bells, and Bells for Fire and Burglar Alarm Systems.
Claims use since Apr. 15, 1924.

Ser. No. 205,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties Inc., Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 13, 1924.

TIP-TOP

The drawing contains the color blue, as shown by the color lines therein.

Particular description of goods.—Materials for Preventing Freezing of Water in Automobile Radiators—Namely, Alcohol, Alcohol Compounds, and Freezeproof Mixtures.
Claims use since Oct. 31, 1924.

Ser. No. 207,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BEVERAGE & CANDY CO., Tacoma, Wash. Filed Dec. 24, 1924.

HANDL BAR

Particular description of goods.—Candy Bars.
Claims use since Nov. 1, 1924.

Ser. No. 208,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn., assignor to Winston and Newell Company, Minneapolis, Minn., a Corporation of Delaware. Filed Jan. 12, 1925.

Particular description of goods.—Canned Fish Balls, Canned Lobster, Canned Oysters, Canned Shrimp, Canned Apricots, Canned Blackberries, Canned Blueberries, Canned Royal Anne Cherries, Canned Black Cherries, Canned White Cherries, Canned Gooseberries, Canned Grapes, Canned Grapefruit, Canned Loganberries, Canned Peaches, Canned Pears, Canned Pineapple, Canned Egg Plums, Canned Green Gage Plums, Canned Raspberries, Canned Strawberries, Canned Kidney Beans, Canned Wax Beans, Canned Beets, Canned Hominy, Canned Peas, Canned Pork and Beans, Canned Pumpkin, Canned Rhubarb, Canned Spinach, Canned Succotash, Canned Sweet Potatoes, Canned Tomatoes, Cocoa, Dried Apples, Dried Apricots, Dried Currants, Dried Loganberries, Dried Raspberries, Dried Prunes, Macaroni, Noodles, Spaghetti, Vermicelli, Rolled Oats, Canned Evaporated Milk, Cornstarch, Sugar, Canned Crab Meat, Corn Flakes.
Claims use since Jan. 1, 1900.

Ser. No. 208,213. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) YORK HEATING & VENTILATING CORPORATION, Bridgeport and Philadelphia, Pa. Filed Jan. 16, 1925.

YORK

No claim is made to the word "York" apart from the mark shown.

Particular description of goods.—Indirect-Heating Units.
Claims use since Nov. 2, 1922.

Ser. No. 208,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEGLET NOOR DATE GROWERS ASSOCIATION, Indio, Calif. Filed Jan. 19, 1925.

Golden Valley

Particular description of goods.—Fresh and Candied Dates.
Claims use since Sept. 30, 1921.

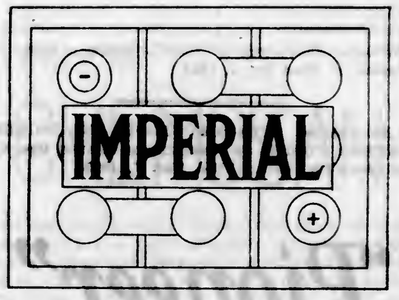
Ser. No. 208,319. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD MOTOR PARTS COMPANY, Detroit, Mich. Filed Jan. 19, 1925.

STANDARD FOR SERVICE

Exclusive use of the words "Standard for Service" except in the association as shown in the drawing is disclaimed.

Particular description of goods.—Metal Parts for Automobiles, Trucks, Tractors, Harvester Machinery, Marine and Stationary Engines—Namely, Pistons, Piston Pins, Clutch Disks, Axle Shafts, Gears, Bushings, Cases, and Bearings.
Claims use since June, 1924.

Ser. No. 208,360. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARTHUR L. PATSTONE, doing business as Aywon Storage Battery Co., Atlantic, Mass. Filed Jan. 20, 1925.



No claim is made for any particular feature of the representation of the top of the battery as shown on drawing apart from the mark shown.

Particular description of goods.—Storage Batteries.
Claims use since Dec. 1, 1924.

Ser. No. 208,765. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IRON MOUNTAIN COMPANY, Chicago, Ill. Filed Jan. 28, 1925.

IMCO

Particular description of goods.—Electrical Stop Lights for Use Upon Vehicles.
Claims use since July 3, 1923.

Ser. No. 209,527. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Filed Feb. 13, 1925.

Radiohm

Particular description of goods.—Rheostats and Resistance Devices for Radio Signaling Apparatus.
Claims use since Jan. 2, 1925.

Ser. No. 210,185. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REICHMANN COMPANY, Chicago, Ill. Filed Feb. 26, 1925.

DOUGHNUT

Particular description of goods.—Induction Coils.
Claims use since Dec. 1, 1924.

Ser. No. 210,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKENMUTH CHEESE MFG. CO., Frankenmuth, Mich. Filed Mar. 7, 1925.

"Pioneer"

Particular description of goods.—Cheese.
Claims use since Feb. 26, 1925.

Ser. No. 211,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT W. SISK & SON, Preston, Md. Filed Mar. 14, 1925.

I.X.L

Applicant disclaims the color lines exhibited in the drawing, claiming only the three letters as shown.
Particular description of goods.—Vegetables.
Claims use since 1924.

Ser. No. 211,112. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANVILLE JENCKES COMPANY, Providence, R. I. Filed Mar. 16, 1925.

MANVILLE JENCKES COMPANY

Particular description of goods.—Cotton and Mixed Piece Goods, Draperies, and Textile Fabrics in the Piece for Use in the Manufacture of Pneumatic and Solid Tires.
Claims use since Jan. 8, 1924.

Ser. No. 211,353. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC & PACIFIC TEA CO., Jersey City, N. J. Filed Mar. 20, 1925.

Brooks' Farm

"Brooks' Farm."
Particular description of goods.—Butter.
Claims use since Feb. 1, 1925.

Ser. No. 211,601. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 25, 1925.

LINC-WELD

Particular description of goods.—Electric Motors—Namely, Polyphase Induction Motors, Slip-Ring Motors, Vertical Motors, and Back-Geared Motors, and for Arc Welders and Motor-Generator Sets.
Claims use since Mar. 16, 1925.

Ser. No. 211,735. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COLLINS & AIKMAN CO., Philadelphia, Pa. Filed Mar. 27, 1925.

CAMO

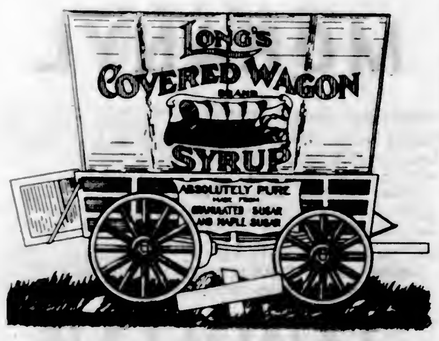
Particular description of goods.—Upholstery Fabrics Consisting of Cotton Piece Goods and Plush in the Piece and in Cut.
Claims use since Feb. 26, 1925.

Ser. No. 211,753. (CLASS 11. INKS AND INKING MATERIALS.) THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed Mar. 27, 1925.

Carnation

Particular description of goods.—Inked Ribbons and Carbon Papers.
Claims use since 1907.

Ser. No. 212,011. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT C. LONG, San Francisco, Calif. Filed Apr. 1, 1925.



The color lining of drawing indicates red and blue. No claim is made for the words "Long's, Brand, Syrup, Absolutely Pure, Made from Granulated Sugar and Maple Sugar" apart from the mark shown in the drawing.
Particular description of goods.—Table Sirups.
Claims use since Nov. 20, 1924.

Ser. No. 212,336. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. KIRSCHE-PFIFFELBACH G. m. b. H., Trautzschen, near Pegau, Germany. Filed Apr. 7, 1926.

Applicant disclaims the right to exclusive use of the name "Kirsche's" and to the words "Original, Mangel" and the representation of a beet apart from the trade-mark shown in the drawing.
Particular description of goods.—Vegetable Seeds—Namely, Seeds for Growing Turnips and Navews.
Claims use since 1896.

Ser. No. 213,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD NUT CO., INC., Cambridge, Mass. Filed May 1, 1925.

BLUE BIRD

Particular description of goods.—Salted Nuts.
Claims use since May 21, 1924.

Ser. No. 214,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMOSAN AKTIENGESELLSCHAFT, Vienna, Austria. Filed May 11, 1925.

CHEMOSAN

Particular description of goods.—Desiccated Gland Extracts in Pill and Tablet Form for Hypodermic-Injection Purposes for the Treatment of Diseases of the Lungs, Kidneys, and Other Internal Diseases: Calcium-Lactate Preparations, Guaicol-Lactate Preparations, Lactic Acid Salts, Pharmaceutical Lime Preparations, Hexamethylenetetramine Compounds, Colloidal Mercury Solutions, Colloidal Oil-Emulsions, Colloidal Silver Solutions, Chinamon Calcium Preparations, Digitalis Preparations; Organic Solutions in Sterilized Containers for Therapeutic Uses, for the Treatment of Diseases of the Kidneys, Lungs, and Other Internal Organs; Theobromine Calcium

Preparations, Medicated Comprimettes and Presselettes, Compressed Medicated Preparations in Pill and Tablet Form for the Treatment of Diseases of the Throat and Digestive System, Medicated Gelatin Capsules for the Treatment of Worms, Organolettes, Preparations for the Treatment of Seediness from Rœtgenization, Purgatives, Iron Salts and Iron Solutions, Sublimate Preparations, Carbon Preparations and Yeast Preparations for Therapeutic Purposes, Emulsions of Cod-Liver Oil, Cough Sirups, Hypophosphite Sirups and Sirups for Admixture with Unpalatable Medicines; Medical Tinctures, Such as Arnica, Digitalis, Iron Chloride, Iodine, and Cantharides; Glyceric Phosphates, Albumin Preparations, Salicyclic Preparations, Colæ Sirups and Other Colæ Preparations; Lecithin Preparations, Vitamine Preparations Such as Vitamine Chocolate and Cod-Liver Oil Emulsions for Medicinal Use, Mineral-Oil Products for Medical Use, Schist-Oil Preparations, Dermotherapeutic Tar Preparations, Tamarind Lozenges, Secale Preparations; Medical Herb Extracts for Diseases and Disorders of the Stomach, Kidneys, and Other Internal Organs and for Tonic Purposes; Ointment for Wounds, Skin Powder for Infants, Anthelmintic Remedies and Medicines for Taeniæ, Mustard-Plaster Paper, Counterirritant Plasters, Preparations for Invigorating the Nerves, Acid and Alkali Indicating Reacting Papers for Indicating Acid and Alkali Conditions of the System; Gelatin Suppositories for Piles and Rectal Weakness, Serums for Therapeutic Injection Purposes in the Treatment of Variola, Smallpox, Scarlet Fever, Diphtheria, and Tuberculosis; Valerian Preparations, Digestive Powders, Peptics, Laxative Sweetmeats, Salts for Baths, Hair Restorers, Depilatories, Hair Washes, Gargles, Cosmetic Powders, Cosmetic Lotions, Diaphoretic Preparations, Dentifrices, Mouth Washes, Skin Medicines, Perfumery, Toilet Waters, Disinfectants, and Preparations for Fixing Bacteria.

Claims use since Jan. 1, 1919.

Ser. No. 214,329. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 14, 1925.

RUTONAL

Particular description of goods.—Phenylmethyl-Malonylurea, Which is Employed in the Treatment of Epilepsy.

Claims use since Jan. 8, 1925.

Ser. No. 214,363. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD B. JONES, Chicago, Ill. Filed May 15, 1925.

CABELUG

Particular description of goods.—Electrical Unit Comprising a Section of Cable With the Wires Thereof Free at One End and Having a Wiring Terminal Head Secured to the Wires at its Other End.

Claims use since Apr. 1, 1925.

Ser. No. 214,374. (CLASS 2. RECEPTACLES.) MAX MEYERSON, doing business as Fibre Case & Novelty Co., New York, N. Y. Filed May 15, 1925.

No claim is made to the word "Laundripak" nor to the representation of the goods aside from the mark illustrated.

Particular description of goods.—Carrying Boxes Formed of Sheet Fiber.

Claims use since on or about June 1, 1922.

Ser. No. 214,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FIDALGO ISLAND PACKING COMPANY, Seattle, Wash. Filed May 21, 1925.

RED STAR

Particular description of goods.—Canned Salmon.

Claims use since 1896.

Ser. No. 214,799. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 23, 1925.

MORANYL

Particular description of goods.—Chemical Product Belonging to the Group of Urea-Substituted Derivatives of Amino Naphthalene, Sulphonic Acids for Use in the Treatment of Trypanosomiases.

Claims use since Mar. 1, 1925.

Ser. No. 214,800. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed May 23, 1925.

THIO N.A.B.

Particular description of goods.—Sulpharsphenamine, Which is a Arsenical Used in the Treatment of Syphilis.

Claims use since Mar. 31, 1925.

Ser. No. 215,332. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BUOYANT UPHOLSTERY COMPANY LIMITED, Sandiacre, England. Filed June 5, 1925.

BUOYANT

"Buoyant" on a wavy line shown in the accompanying drawing.

Particular description of goods.—Household Chairs, Settees, Couches, Seats, Ottomans, Sideboards, Cabinets, Tables, Bedsteads, Mattresses, Beds, Wardrobes, Dressing Tables, Washstands, Pedestals, Sets of Drawers, Dressers, Writing Desks, Stools, Footstools, Cupboards, Whatnots, Bookcases, Hassocks, and Towel Horses.

Claims use since Nov. 1, 1913.

Ser. No. 215,510. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTAPHONE CORPORATION, Bridgeport, Conn. Filed June 9, 1925.

TELECORD

"Telecord."

Particular description of goods.—Telephonic Signal Recorders for Recording Through the Medium of Electricity on a Phonograph Telephonic Signals, Telephonic-Signal Amplifiers Consisting of Complete Units for Amplifying by Electric Power Telephonic Signals, Thermionic or Electron Tubes, Transformers, Loud Speakers, Telephone Receivers, Sockets, Resistances, Resistance Mountings, Condensers, Switches, and Parts of the Above.

Claims use since Nov. 1, 1924.

Ser. No. 215,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST CANNING COMPANY, Salem, Oreg. Filed June 15, 1925.

JUNE

Particular description of goods.—Canned Loganberries and Canned Pumpkin.

Claims use since Sept. 22, 1924.

Ser. No. 216,204. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed June 22, 1925.

NATIONAL

Particular description of goods.—Folding Ironing Tables.

Claims use since May 1, 1925.

Ser. No. 216,225. (CLASS 39. CLOTHING.) LOUIS SCHLINGER, New York, N. Y. Filed June 22, 1925.

No claim is made to the word "American" apart from the mark shown on the drawing.

Particular description of goods.—Infants' and Children's Dresses and Skirts.

Claims use since Aug. 1, 1905.

Ser. No. 216,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Filed June 22, 1925.

The word "Cuba" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Fresh Pineapples.

Claims use since Apr. 1, 1925.

Ser. No. 216,275. (CLASS 25. LOCKS AND SAFES.) F. WILHELM LÜLING, Volmarstein-on-the-Ruhr, Germany. Filed June 23, 1925.

Particular description of goods.—Padlocks, Door Locks, Furniture Locks, Latches, and Bolts.

Claims use since Jan. 1, 1925.

Ser. No. 218,379. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE L. A. THOMPSON SCENIC RAILWAY COMPANY, New York, N. Y. Filed Aug. 4, 1925.

Particular description of goods.—Amusement and Scenic Railways and Equipment Therefor.
Claims use since November, 1920.

Ser. No. 218,970. (CLASS 39. CLOTHING.) HOFFMAN BROS., New York, N. Y. Filed Aug. 17, 1925.

No claim is made to the word "Harvard" apart from the mark shown in the drawing.
Particular description of goods.—Men's and Boys' Hats and Caps.
Claims use since Jan. 2, 1923.

Ser. No. 219,281. (CLASS 12. CONSTRUCTION MATERIALS.) JUNGMANN & CO. INCORPORATED, New York, N. Y. Filed Aug. 24, 1925.

MASIF

Particular description of goods.—Material for Hardening and Waterproofing Concrete, Cement, and Other Building Material, Being Composed of a Combination of Chemicals Known as Fluosilicate.
Claims use since Feb. 14, 1922.

Ser. No. 219,282. (CLASS 12. CONSTRUCTION MATERIALS.) JUNGMANN & CO. INCORPORATED, New York, N. Y. Filed Aug. 24, 1925.

ZIMASIF

Particular description of goods.—Material for Hardening and Waterproofing Concrete, Cement, and Other Building Material, Being Composed of a Combination of Chemicals Known as Fluosilicate with Zinc.
Claims use since Feb. 14, 1922.

Ser. No. 219,692. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE POLLY PORTABLE PHONOGRAPH CO., INC., New York, N. Y. Filed Sept. 2, 1925.

No claim is made herein to the word "Oscillator" apart from the mark shown in the drawing. "Inside" and "Trade-mark" are disclaimed apart from the mark shown in the drawing also.
Particular description of goods.—Musical Instruments and Supplies, Specifically Phonographs and Parts Thereof, Vibrating Cones, and Mechanical Vibrating and Oscillating Reproducer Parts.
Claims use since Aug. 12, 1925.

Ser. No. 221,457. (CLASS 15. OILS AND GREASES.) SIERRA OIL COMPANY, Fresno, Calif. Filed Oct. 8, 1925.

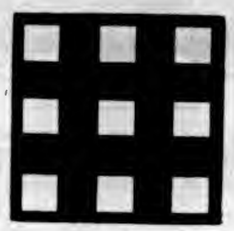
The lining in the outer circle indicates yellow color, and the lining in the inner circle indicates green color, and the lining in the band across the diameter of the circle indicates orange color. The exclusive rights to the words "Sierra Oil Company," "Petroleum Products," "California's Best," and "Look for the Orange Pump" is not claimed except in connection with said trade-mark.
Particular description of goods.—Petroleum Products—Viz, Petroleum Distillate, Kerosene, Stove Fuel Oil, Gasoline, Fuel Oil, Cup Grease, Transmission Oil, Differential Grease, Transmission Grease, Motor Oil, Household Lubricant, Tractor Oil, Engine Oil, Dynamo Oil, Separator Oil, Steam-Cylinder Oil, and Gear Grease.
Claims use since Apr. 1, 1924.

Ser. No. 221,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LÉON JACQUIN, Paris, France. Filed Oct. 14, 1925.

JACQUIN'S CHOCOLATE LENTILLES

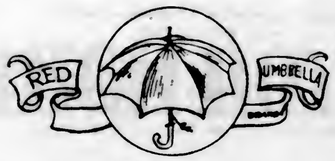
The words "Jacquins" and "Chocolate" are disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Chocolates.
Claims use since Sept. 21, 1925.

Ser. No. 221,847. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL ELECTRIC NOVELTY CO., New York, N. Y. Filed Oct. 16, 1925.



Particular description of goods.—Dry Batteries.
Claims use since 1921.

Ser. No. 222,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED WALKER & CO. PROPRIETARY LIMITED, Melbourne, Victoria, Australia. Filed Oct. 21, 1925.



No claim is made to the exclusive use of the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Canned Meats.
Claims use since 1912.

Ser. No. 222,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ULMER L. MELONEY and AVIS D. MELONEY, doing business as Marcy Farms, Matawan, N. J. Filed Oct. 24, 1925.

MARCY FARMS

The word "Marcy" is disclaimed apart from the mark shown on the drawing in so far as the word "Marcy" is a surname and geographical term.

Particular description of goods.—Farm and Dairy Products—Namely, Prize Livestock, Poultry, Dressed Poultry, Butter, Eggs, Cheese, Fresh Deciduous Fruits, and Garden Produce—Namely, Fresh Vegetables.
Claims use since July 1, 1918.

Ser. No. 222,319. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OTTO R. GISCHOW COMPANY, INC., New York, N. Y. Filed Oct. 26, 1925.

GEEDIALHAW

The word "Dial" appearing on the drawing is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Panel Dials for Radio Receiving Sets and the Like.
Claims use since Jan. 8, 1925.

Ser. No. 222,435. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ISADORE H. BLOOM, doing business as I. H. Bloom & Co., Boston, Mass. Filed Oct. 28, 1925.

DINKY HANKY DOLL

I hereby disclaim the representation of the doll and the handkerchief apart from the mark shown on the drawing. I hereby disclaim the words "Hanky Doll," apart from the mark shown on the drawing.
Particular description of goods.—Handkerchiefs.
Claims use since Aug. 1, 1925.

Ser. No. 222,761. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PERRYMAN ELECTRIC COMPANY, INC., New York, N. Y. Filed Nov. 3, 1925.

Particular description of goods.—Vacuum Tubes.
Claims use since Oct. 1, 1925.

Ser. No. 222,945. (CLASS 39. CLOTHING.) ROBITSHEK-ROBBINS CO., Minneapolis, Minn. Filed Nov. 6, 1925.

Particular description of goods.—Clothing Comprising Fur Coats, Such as Sheepskin Coats, for Men, Women, and Children.
Claims use since on or about Nov. 2, 1925.

Ser. No. 223,329. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Nov. 14, 1925.

G. L. Otterol

The mark is a fanciful name in the hand writing of an official of applicant.
Particular description of goods.—Reeds for Saxophones and Clarinets.
Claims use since April, 1924.

Ser. No. 223,331. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Nov. 14, 1925.

Andreas Schwettey
Markneukirchen Sachsen

The trade-mark is a facsimile signature of Andreas Schroetter. No registration rights are claimed in the words "Marknenkirchen Sachsen" apart from the mark shown.
Particular description of goods.—Violins.
Claims use since Oct. 1, 1925.

Ser. No. 223,487. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM SMITH, Omaha, Nebr. Filed Nov. 18, 1925.

Particular description of goods.—Radio Receiving Sets and Parts Thereof and Combination Radio Receiving Sets and Talking Machines.
Claims use since Mar. 9, 1925.

Ser. No. 223,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KERR GIFFORD & CO. INC., Portland, Oreg. Filed Nov. 19, 1925.

KERR'S

FLOUR & CEREAL PRODUCTS

The surname "Kerr's" and the words "Flour & Cereal Products" are disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Wheat Flour, Graham Flour, Whole-Wheat Flour, Cracked-Wheat Flour, Hot-Cake Flour, Self-Rising Buckwheat Flour, Rye Flour, Rolled Oats, Rapid-Cooking Oats, Wheat Flakes, Farina, Corn Meal, Steel-Cut Oatmeal and Rye Meal, and Stock Feeds and Poultry Feeds.
Claims use since Jan. 1, 1920.

Ser. No. 223,681. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BENNETT PUMPS CORPORATION, Muskegon, Mich. Filed Nov. 23, 1925.

HIGH BOY

The horizontal shade lines of the drawing are a part of the letter design and do not indicate color.
Particular description of goods.—Self-Measuring Oil and Grease Dispensing Devices.
Claims use since Apr. 1, 1925.

Ser. No. 223,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL BOTT, Triadelphia, W. Va. Filed Nov. 24, 1925.

SUNNY SLOPE

Particular description of goods.—Butter, Fresh and Stale Cream, Honey, and Fresh and Dried Vegetables.
Claims use since 1915.

Ser. No. 223,812. (CLASS 39. CLOTHING.) SUPREME PANTS CO., New York, N. Y. Filed Nov. 24, 1925.

Supreme Brand

No claim is made to the word "Brand" apart from the mark as shown on the drawing.
Particular description of goods.—Boys' Pants.
Claims use since 1920.

Ser. No. 223,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY WAHLBERG, doing business as Pearlotion Company, Minneapolis, Minn. Filed Nov. 27, 1925.

No claim is made to the wording appearing on the drawing with the exception of the word "Pearlotion" and the name under which applicant is doing business apart from the mark shown.
Particular description of goods.—Hand and Face Lotion.
Claims use since Oct. 1, 1923.

Ser. No. 223,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VAN LANDINGHAM CO., Los Angeles, Calif. Filed Nov. 28, 1925.

VANCO

Particular description of goods.—Canned Fish, Canned Fruits, and Canned Vegetables.
Claims use since September, 1918.

Ser. No. 224,051. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RITZ IMPORT & EXPORT CORPORATION, New York, N. Y. Filed Nov. 30, 1925.

Particular description of goods.—Toy Music Boxes.
Claims use since Mar. 1, 1922.

Ser. No. 224,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM A. WEBER, doing business as Mankato Hatchery, Mankato, Minn. Filed Dec. 5, 1925.

Particular description of goods.—Live Poultry, Including Chickens, Ducks, Geese, Turkeys, and Breeding Fowls, and Eggs.
Claims use since July, 1925.

Ser. No. 224,348. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACIFIC STATES MECHANICAL WORKS, Los Angeles, Calif. Filed Dec. 7, 1925.

The Masterpiece of Timers

The word "Timers" is hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Spark Timers for Internal-Combustion Engines.
Claims use since July 1, 1924.

Ser. No. 224,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. HARRIS CO. INC., Binghamton, N. Y. Filed Dec. 8, 1925. Under 10-year proviso.

The lining of drawing is for shading only.
Particular description of goods.—Food-Flavoring Extracts.
Claims use since 1889.

Ser. No. 224,428. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed Dec. 8, 1925.

KLONDIKE

Particular description of goods.—Canned Fish and Canned Fruits.
Claims use since Aug. 1, 1897.

Ser. No. 224,710. (CLASS 33. GLASSWARE.) K K IMPORTING CO., New York, N. Y. Filed Dec. 15, 1925.

UNIVERSAL

Particular description of goods.—Watch Crystals.
Claims use since May 1, 1924.

Ser. No. 224,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENN CONFECTIONERY CO., Philipsburg, Pa. Filed Dec. 16, 1925.

PENN CREST

Particular description of goods.—Chocolate Candies.
Claims use since Nov. 1, 1925.

Ser. No. 224,907. (CLASS 39. CLOTHING.) THE FALK-FEIERSTEIN COMPANY, Cleveland, Ohio. Filed Dec. 19, 1925.

No claim is made to the exclusive use of the word "Cleveland" apart from the mark shown on the drawing.
Particular description of goods.—Ladies', Misses', and Juniors' Coats.
Claims use since Mar. 1, 1924.

Ser. No. 225,013. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HUGUENIN FRÈRES & CIE FABRIQUE NIEL, Le Locle, Switzerland. Filed Dec. 22, 1925.

Particular description of goods.—Watchcases.
Claims use since 1905.

Ser. No. 225,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE RICHARDS & COMPANY, Chicago, Ill. Filed Dec. 22, 1925.

Particular description of goods.—Electrical Devices—Namely, Attachment Plugs, Plural or Multiple Plugs or Receptacles and Connecters; Card Sets Consisting of Card, Socket, and Plug; Heating Pads and Loop Aerials.
Claims use since on or about Jan. 1, 1922.

Ser. No. 225,080. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Dec. 23, 1925.

DICTADYNE

"Dictadyne."
Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Dec. 1, 1925.

Ser. No. 225,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BLOOMINGTON CANNING COMPANY, Bloomington, Ill. Filed Dec. 28, 1925.

WESTERN "C"

Particular description of goods.—Canned Corn.
Claims use since Feb. 6, 1911.

Ser. No. 225,285. (CLASS 39. CLOTHING.) SAUL LAUTENBERG COMPANY, INC., New York, N. Y. Filed Dec. 29, 1925.

Particular description of goods.—Ladies' Hats.
Claims use since Dec. 8, 1925.

Ser. No. 225,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLARD E. MILNER, doing business as Milner Provision Co., Frankfort, Ind. Filed Dec. 31, 1925.

CLOVER BLOSSOM

Particular description of goods.—Ham, Bacon, and Lard.
Claims use since Apr. 29, 1925.

Ser. No. 225,426. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARRY D. KOENIG, doing business as Harry D. Koenig & Co., New York, N. Y. Filed Jan. 2, 1926.

THE BELVEDERE LINE

No claim is made to the words "The" and "Line" apart from the mark shown on the drawing.

Particular description of goods.—Manicure Implements—Namely, Nail Files, Tweezers, Orange Sticks, Buffers, Scissors, Emery Boards, Nail Clips, Nail Nippers, Blackhead Removers, and Menthol Inhalers.

Claims use since 1916.

Ser. No. 225,633. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLARD COLBERT & GILES, New York, N. Y. Filed Jan. 7, 1926.

Venus Faille

No rights are claimed in the word "Faille" except in association with the other features of the mark.

Particular description of goods.—Silk Piece Goods.

Claims use since Dec. 21, 1925.

Ser. No. 225,790. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM LEWIS & SON, Chicago, Ill. Filed Jan. 12, 1926.

LEMEIR

Particular description of goods.—Shoulder Pads for Musical Instruments.

Claims use since Dec. 30, 1925.

Ser. No. 225,880. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Jan. 13, 1926.

MARY BLUE

Petitioner disclaims any right to the use of the word "Blue" apart from the mark shown.

Particular description of goods.—Women's, Girls', and Misses' Dresses, Tailored Suits, Sport Coats, Suits, Skirts, Corsets, Knitted and Textile Negligees, Sweaters, Mufflers, Collars, Hosiery, Golf Suits, Riding Suits, Walking Suits, Swimming Suits, Hats, Caps, Gloves Made of Knitted or Textile Fabrics, Blouses, Jumpers, Knickerbockers, Raincoats, Capes, and Bath Robes; and Gloves, Shoes, Boots, Slippers, Leggings, Putties Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Material.

Claims use since Nov. 25, 1925.

Ser. No. 225,892. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANDARD ELECTRIC SIGN COMPANY, San Francisco, Calif. Filed Jan. 13, 1926.

STANDEX

Particular description of goods.—Electric Signs.

Claims use since Sept. 1, 1925.

Ser. No. 225,945. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION BEVERAGE COMPANY, INC., doing business as Magnolia Products Co., New Orleans, La. Filed Jan. 14, 1926.

MAGNOLIA

Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Dec. 24, 1925.

Ser. No. 225,947. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Jan. 15, 1926.

CORNELIA

Particular description of goods.—Cotton Piece Goods

Claims use since Dec. 2, 1925.

Ser. No. 225,965. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PERKINS MARINE LAMP CORPORATION, Brooklyn, N. Y. Filed Jan. 15, 1926.

PERKO

Particular description of goods.—Lamps, Lanterns; Single, Double, and Triple Finish Electrical Receptacles; One and Two Piece Sign Receptacles, Toggle Switches, Push-Button Switches, Electric Sockets, Fuse Plugs, Attachment Plugs, Cord Connecters, Electric Outlets; Electric Adapters, for Lighting Switches, Receptacles, and Armored Cable; Electric Outlet Boxes, Heat Switches, Brass Plates with Switch Flush Receptacles, Brass Plates for Electrical Receptacles, Toggle with Switch and without Switch Outlet Boxes, Toggle with and without Covers, All Using Electricity.

Claims use since Sept. 1, 1920.

Ser. No. 226,020. (CLASS 39. CLOTHING.) POSNER HOSIERY, INC., New York, N. Y. Filed Jan. 16, 1926.

POSNER'S Luvburd

Particular description of goods.—Hosiery; Shoes of Leather and Silk, Leather, Fabric, or Rubber and Combinations of These Materials; Pyjamas, Nightgowns, and Underwear for Men, Women, and Children of Textile and Knitted Materials.

Claims use since Jan. 7, 1926.

Ser. No. 226,550. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FONG KINGMAN, doing business as F. Kingman & Company, Sacramento, Calif. Filed Jan. 28, 1926.

NARCISSUS D'ORIENTE

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Foot Powders, Bath Salts, Smelling Salts, Sachets, and Incense.

Claims use since Jan. 4, 1926.

Ser. No. 226,684. (CLASS 27. HOROLOGICAL INSTRUMENTS.) RELIABLE WATCH COMPANY INC., New York, N. Y. Filed Jan. 30, 1926.

REWCO

Particular description of goods.—Watches, Watch Movements, and Watchcases.

Claims use since November, 1924.

Ser. No. 226,819. (CLASS 17. TOBACCO PRODUCTS.) MICHAEL IROLD, INC., Cincinnati, Ohio. Filed Feb. 3, 1926.

SONADA

Particular description of goods.—Cigars.

Claims use since December, 1890.

Ser. No. 226,829. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed Feb. 3, 1926.

Vanguard

Particular description of goods.—Writing Material and Drawing Material—Namely, Billiard Chalk, Marking Chalk, Fountain Pens, Gold Pens, Stylographic Pens, Lead Pencils; Rubber Bands, Colored Pencils, Copying Pencils, Ink Pencils, and Mechanical Lead Pencils.

Claims use since 1910.

Ser. No. 226,830. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed Feb. 3, 1926.

Casino

Particular description of goods.—Writing Material and Drawing Material—Namely, Billiard Chalk, Marking Chalk, Fountain Pens, Gold Pens, Stylographic Pens, Lead Pencils, Rubber Bands, Colored Pencils, Copying Pencils, Ink Pencils, and Mechanical Lead Pencils.

Claims use since 1900.

Ser. No. 226,831. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed Feb. 3, 1926.

Tandem

Particular description of goods.—Writing Material and Drawing Material—Namely, Billiard Chalk, Marking Chalk, Fountain Pens, Gold Pens, Stylographic Pens, Lead Pencils, Rubber Bands, Colored Pencils, Copying Pencils, Ink Pencils, and Mechanical Lead Pencils.

Claims use since 1912.

Ser. No. 226,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH DI SANTO, doing business as Di Santo & Co., Duluth, Minn. Filed Feb. 5, 1926.

MAZZINI

Particular description of goods.—Malt Sirup for Food Purposes, Candies, Olive Oil, Canned Tomatoes, Macaroni, Canned Peas, Canned Sardines, Flavoring Extracts for Food Purposes, Cheese, Tea, Coffee, Canned Peaches, Evaporated Canned Milk, Salad Dressing, Wheat Flour, Mustard, Sausage, Canned Sweet Corn, and Canned Salmon.

Claims use since about Dec. 18, 1920.

Ser. No. 226,901. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HEISS, BRUSH & CO., INC., New York, N. Y. Filed Feb. 5, 1926.

ARAB

Particular description of goods.—Handkerchiefs.

Claims use since Jan. 4, 1926.

Ser. No. 226,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE W. T. PEMBER STORES, LIMITED, Toronto, Ontario, Canada. Filed Feb. 5, 1926.

SELECTO

"Selecto."
Particular description of goods.—Hair Dyes.
Claims use since May 12, 1925.

Ser. No. 226,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHN C. GROUB COMPANY, Seymour, Mitchell, and Connersville, Ind. Filed Feb. 6, 1926.

RULER

"Ruler."
Particular description of goods.—Canned Pork and Beans, Canned Vegetables, Canned Salmon, Prepared Mustard, Peanut Butter, and Food-Flavoring Spices.
Claims use since Oct. 1, 1905.

Ser. No. 227,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYER-SCHMID GROCER COMPANY, St. Louis, Mo. Filed Feb. 8, 1926

OUR PRIDE

Particular description of goods.—Canned Fruits, Vegetables, Fish, and Oysters; Evaporated Milk, Canned Fruit Salads, Tomato Catchup, Chili Sauce, Pepper Sauce, Mayonnaise Dressing, Thousand Island Dressing, Vegetable Relish, Soups, Coffee, Rice, Sardines, Raisins, Canned Tomato Pulp, Canned Pork and Beans, and Canned Sauerkraut.
Claims use since 1890.

Ser. No. 227,031. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALBERT H. NEILSON, doing business as A. H. Neilson Manufacturing Company, Tulsa, Okla. Filed Feb. 8, 1926.

NEILSON QUALITY

The word "Quality" is disclaimed apart from the other features of the mark as shown in the drawing.
Particular description of goods.—Oil-Well Pumps, Safety Sucker-Rod Elevators, and Sucker-Rod Sockets.
Claims use since Jan. 2, 1926.

Ser. No. 227,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. REX, Los Angeles, Calif. Filed Feb. 8, 1926.

JAP ROSE

Particular description of goods.—Canned Tunny (Fish).
Claims use since Oct. 1, 1925.

Ser. No. 227,163. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CARTER RADIO CO., Chicago, Ill. Filed Feb. 11, 1926.

HI-POT

Particular description of goods.—High-Resistance Potentiometer in the Nature of a Rheostat.
Claims use since Jan. 25, 1926.

Ser. No. 227,229. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LAMBERT FRIEDL, New York, N. Y. Filed Feb. 12, 1926.

SYMPHONIC

"Symphonic."
Particular description of goods.—Phonograph Reproducers.
Claims use since Feb. 5, 1926.

Ser. No. 227,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. H. COOK, San Francisco, Calif. Filed Feb. 15, 1926.

HEMCO HICO

Particular description of goods.—Wheat Flour.
Claims use since Feb. 1, 1921.

Ser. No. 227,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELKIN CANNING COMPANY, Elkin, N. C. Filed Feb. 17, 1926.

DIXIE

Particular description of goods.—Canned Blackberries, Canned Apples, Canned Beans, Canned Corn, Canned Peaches, and Canned Tomatoes.
Claims use since Jan. 2, 1900.

Ser. No. 227,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARSENDEUBEL GROCERY COMPANY, St. Louis, Mo. Filed Feb. 20, 1926.

U-TELL-M

Particular description of goods.—Canned Fruits—Namely, Apples, Apple Sauce, Cherries, Grapefruit, Peaches, Pears, Apricots, Pineapple, Plums, and Fruit Salad; Canned Berries—Namely, Blackberries, Loganberries, Raspberries, and Strawberries; Canned Vegetables—Namely, Sauerkraut, Spinach, Succotash, Sweet Potatoes, Tomatoes, Asparagus, Beans, Pork and Beans, Beets, Cabbage, Corn, Hominy, Okra, Peas, and Pumpkin; Canned Sea Food—Namely, Tunny, Lobsters, Crab Meat, Salmon, Sardines, Shrimp, and Oysters; Condensed Milk, Canned Soup, Canned Chile Con Carne; Sirup, Corn and Maple; Canned Spaghetti; Dried Fruits—Namely, Prunes, Apricots, and Peaches. Condiments—Namely, Mustard, Vinegar, Catchup, Chili Sauce, and Canned Peppers: Pickles, Jams, Jellies, Peanut Butter, Rolled Oats, and Corn Flakes.
Claims use since July 3, 1924.

Ser. No. 227,598. (CLASS 39. CLOTHING.) PENN LEATHER COMPANY, Philadelphia, Pa. Filed Feb. 20, 1926.

ECONOMY

Particular description of goods.—Leather Soles, Leather Taps, and Leather Tap Soles and Leather Half Soles.
Claims use since Jan. 1, 1926.

Ser. No. 227,701. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK L. WEISS, Bronx, N. Y. Filed Feb. 23, 1926.

ECLIPSE TRI-O-LITE

No claim is made to the representation of an incandescent lamp apart from the mark shown in the drawing.
Particular description of goods.—Incandescent Lamps.
Claims use since Jan. 1, 1926.

Ser. No. 227,740. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GOTHIC WATCH CO. INC., New York, N. Y. Filed Feb. 24, 1926.

GOTHIC

Particular description of goods.—Watches.
Claims use since about July, 1925.

Ser. No. 227,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES BOCCIA, New York, N. Y. Filed Feb. 25, 1926.

PIPPIN

Particular description of goods.—Small Cookies.
Claims use since Jan. 2, 1925.

Ser. No. 227,866. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAMS, WHITE & CO., Moline, Ill. Filed Feb. 26, 1926.

HI-PRO-AC

Particular description of goods.—Grinding Machines—Namely, Grinding Machines Adapted to Operate Upon Iron Castings, Steel Castings, Forgings, Articles of Aluminum, Brass, Hard Rubber, Etc.
Claims use since Feb. 8, 1926.

Ser. No. 228,001. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) IDEAL RADIOTELEFON- & APPARATEFABRIK G. M. B. H., Berlin, Germany. Filed Mar. 2, 1926.

MULTIDYNE

Particular description of goods.—Head Phones, Earpieces, Detectors of Crystal, Coils, Crystals, Receiving Sets, Amplifiers in the Nature of Loud Speakers and Loud-Speaker Horns, Rheostats, Dials, Condensers, Connecting Boards Otherwise Known as Distributing Boards for Head Telephones and Loud Speakers.
Claims use since Apr. 24, 1925.

Ser. No. 228,068. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE POST & LESTER COMPANY, doing business as Hartford Metal Products Company, Hartford, Conn. Filed Mar. 3, 1926.

AJAX

Particular description of goods.—Radio Receiving Sets and Parts Thereof, Consisting of Antenna Kits, Lightning Arresters, Insulators, Ground Clamps, Hook-Up and Lead-In Wires, Lead-In Insulators, Antenna Wires, Porcelain Knobs, Insulated Staples, and Screw Eyes.
Claims use since about Oct. 9, 1925.

Ser. No. 228,203. (CLASS 15. OILS AND GREASES.) EUGENE H. SOUTER, Kansas City, Mo. Filed Mar. 5, 1926.

NOX-OUT

The lining in the drawing is used to indicate red, the horizontal lining to indicate blue.

Particular description of goods.—Gasoline.

Claims use since Mar. 1, 1926.

Ser. No. 228,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELLER BROTHERS IMPORTING CO., INC., doing business as Vita Fish Preserving Works, New York, N. Y. Filed Mar. 6, 1926.

MARINE

Particular description of goods.—Pickled Herring.

Claims use since July 15, 1921.

Ser. No. 228,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. HORN & HARDART BAKING COMPANY, Philadelphia, Pa. Filed Mar. 6, 1926.

SAND HORN & HARDART BAKING CO. WICH SHOP

No claim is made to the words appearing on the trade-mark apart from the mark shown in the drawing.

Particular description of goods.—Sandwiches; Cooked Meats—Namely, Cooked Ham, Beef, Bacon, Tongue, and Chicken; Fresh, Cooked, and Canned Vegetables; Cereal Breakfast Food—Namely, Oatmeal, Corn Flakes, Bran Flakes, All Bran, Puffed Rice, Puffed Wheat, Cooked Corn, and Cooked Wheat; Raw Fruit—Namely, Apples, Oranges, Grapefruit, Bananas, Strawberries, Blackberries, and Raspberries; Fresh, Cooked, and Canned Cooked Fruit; Desserts—Namely, Pies, Cakes, Puddings, and Ice Cream; Beverages—Namely, Coffee, Tea, Chocolate, and Fresh Milk; and Freshly-Prepared and Canned Soups.

Claims use since Dec. 8, 1925.

Ser. No. 228,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARAGER-WEBSTER COMPANY, Eau Claire, Wis. Filed Mar. 8, 1926.

Webster's Famous Fudge

No claim is made to the word "Fudge" except in conjunction with the other elements of the trade-mark.

Particular description of goods.—Candies and Fudge.

Claims use since Oct. 1, 1917.

Ser. No. 228,304. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ESSCO MANUFACTURING CO., Peoria, Ill. Filed Mar. 8, 1926.

ESSCO

Particular description of goods.—Electric Street Traffic Signals and Parts Thereof.

Claims use since Aug. 1, 1925.

Ser. No. 228,317. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JONES-DABNEY COMPANY, INCORPORATED, Louisville, Ky. Filed Mar. 8, 1926.

PEACOCK LACQUER

The word "Lacquer" is hereby disclaimed apart from the mark as shown.

Particular description of goods.—Nitrocellulose Lacquer.

Claims use since Feb. 1, 1926.

Ser. No. 228,342. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. WEBER CO., Philadelphia, Pa. Filed Mar. 8, 1926. Under 10-year proviso.

WEBER

The lining shown in the drawing is for shading purposes only.

Particular description of goods.—Artists', School, and Show-Card Colors in Tubes, Pans, Bottles, Jars, Pots, and Cake and Stick Form; Artists' Oils, Varnishes, and Mediums Composed of a Mixture of Oils, Varnishes, and Volatiles.

Claims use since ten years next preceding Feb. 20, 1905, and such use has been exclusive.

Ser. No. 228,344. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. WEBER CO., Philadelphia, Pa. Filed Mar. 8, 1926. Under 10-year proviso.

WEBER

The lining shown on the drawing is for shading purposes only.

Particular description of goods.—Palettes, Palette Cups, and Palette Knives, Modeling Tools, Etchers' Presses, Rollers, Paints, Eraser Knives, Artists' Scrapers, Gravers, and Burnishes.

Claims use since about June, 1887.

Ser. No. 228,352. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AUTO PNEUMATIC ACTION COMPANY, New York, N. Y. Filed Mar. 9, 1926.

THE MASTER'S FINGERS ON YOUR PIANO

Particular description of goods.—Piano Actions.

Claims use since Jan. 1, 1926.

Ser. No. 228,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KIRK MILLING COMPANY, Findlay, Ohio. Filed Mar. 9, 1926. Under 10-year proviso.

NEW PROCESS

Particular description of goods.—Wheat Flour.

Claims use since 1879.

Ser. No. 228,453. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE H. N. WHITE COMPANY, Cleveland, Ohio. Filed Mar. 10, 1926.

LIBERTY

Particular description of goods.—Band Instruments, Particularly Horns.

Claims use since Oct. 1, 1920.

Ser. No. 228,462. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE EATON AXLE & SPRING COMPANY, Cleveland, Ohio. Filed Mar. 11, 1926.

EATON

Particular description of goods.—Axles, Springs, and Bumpers for Vehicles.

Claims use since Mar. 4, 1926.

Ser. No. 228,467. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MÜLLER & MANN, Barmen, Germany. Filed Mar. 11, 1926.

Corosit

Particular description of goods.—Buttons for Wearing Apparel, Except Buttons of Precious Metal.

Claims use since Jan. 4, 1926.

Ser. No. 228,486. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAGAMORE SPORTING GOODS CORPORATION, Brooklyn, N. Y. Filed Mar. 11, 1926.

SAGAMORE SPORTING GOODS CORP. BROOKLYN, N.Y.

The words "Brooklyn, N. Y." are hereby disclaimed apart from the other features of the trade-mark sought to be registered.

Particular description of goods.—Footballs (Leather), Indoor Balls (Leather), Playground Balls (Leather), Welt-Seam Playground Balls (Leather), Boxing Gloves, Handball Gloves, Striking Bags, Striking-Bag Gloves, Knee Guards (Leather), Basket Balls (Leather), Tennis Rackets, Tennis-Racket Covers, Football Helmets (Leather), and Spring Exercisers (Steel).

Claims use since Nov. 1, 1924.

Ser. No. 228,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN PATERSON, Portland, Oreg. Filed Mar. 12, 1926.

No claim is made to the phrase "Dustfreed Tea" apart from the mark as shown in the drawing.

Particular description of goods.—Tea.

Claims use since Jan. 6, 1926.

Ser. No. 228,592. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) AARON BURDWISE, Baltimore, Md., assignor to Musical Manufacturers' Corporation, Baltimore, Md., a Corporation of Maryland. Filed Mar. 13, 1926.

TIMTONE

Particular description of goods.—Stringed Musical Instruments and Their Accessories, Comprising Violins, Guitars, Banjos, Harps, Violoncellos, Mandolins, Ukuleles, Especially Adapted and Packaged for Use of Violinists and Players of Similar Instruments Requiring Rosin.
Claims use since April, 1925.

Ser. No. 228,599. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) EAGLE STOVE WORKS, Rome, Ga. Filed Mar. 13, 1926.

ROMEAGLE

Particular description of goods.—Wood and Coal Stoves and Ranges.
Claims use since Feb. 10, 1926.

Ser. No. 228,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOS. E. MEENA, doing business as Meena Malt Extract Co., Atlanta, Ga. Filed Mar. 13, 1926.

The picture on the label is fanciful. The lines shown on the drawing are claimed for shading purposes only. The words "Malt Syrup" are disclaimed apart from the mark shown.
Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Feb. 14, 1926.

Ser. No. 228,684. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE CHARLES BOULITTE, Paris, France. Filed Mar. 16, 1926.

FOX

Particular description of goods.—Cupping Glasses.
Claims use since Nov. 22, 1924.

Ser. No. 228,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN DOUKAS, New York, N. Y. Filed Mar. 16, 1926.

KING of DELIGHT

Particular description of goods.—Candies.
Claims use since Jan. 2, 1926.

Ser. No. 228,735. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GERALD M. BEST, Piedmont, Calif. Filed Mar. 17, 1926.

Best

The mark shown is a facsimile of a portion of applicant's signature.
Particular description of goods.—Radio Receiving Sets and Radio Apparatus, the Same Consisting of Transformers, Condensers, Induction Coils, Loop Antennæ, Vacuum Tubes, Rheostats, and Vacuum-Tube Sockets.
Claims use since January, 1920.

Ser. No. 228,736. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GERALD M. BEST, Piedmont, Calif. Filed Mar. 17, 1926.

Gerald M. Best

The mark shown is a facsimile of the signature of applicant.
Particular description of goods.—Radio Receiving Sets and Radio Apparatus Consisting of Transformers, Condensers, Induction Coils, Loop Antennæ, Vacuum Tubes, Rheostats, and Vacuum-Tube Sockets.
Claims use since January, 1920.

Ser. No. 228,823. (CLASS 12. CONSTRUCTION MATERIALS.) MARR AND PEARSON, Los Angeles, Calif. Filed Mar. 18, 1926.

Stip-o-stay

Particular description of goods.—Building and Art Plasters.
Claims use since Nov. 1, 1925.

Ser. No. 228,930. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Mar. 20, 1926.

No claim is made to the words "Banishes Boiler Rust" apart from the mark shown in the drawing. The conventional lining of drawing is intended to indicate the color red.
Particular description of goods.—Heating-System Attachment Comprising a Tank or Receptacle Containing Substances for Preventing Rust, Corrosion, or Scale in Plumbing and Heating Systems.
Claims use since Nov. 6, 1925.

Ser. No. 228,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD AUGUST RUEGNITZ, Dubuque, Iowa. Filed Mar. 20, 1926.

BERNIODIN

Particular description of goods.—Ointment for the Treatment of Goiter.
Claims use since Nov. 1, 1925.

Ser. No. 228,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TWIN COUPLER COMPANY, Poughkeepsie, N. Y. Filed Mar. 20, 1926.

FORMALITE

Particular description of goods.—Insulating Materials—Namely, Solid Tubes for the Winding of Coil Remnants, Impregnated Fiber Tubes, Impregnated Laminated-Fiber Tubes, Dials, Sockets, Plugs, Resistance Elements, Rheostat Shells, Conducting Knobs, Jack Insulations, Panel Boards, Condenser Shafts, Inductance Supports, Insulation Disks, and Forms About Which Coils May be Wound.
Claims use since Jan. 27, 1926.

Ser. No. 228,959. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MANUFACTURING CO., Newark, N. J. Filed Mar. 20, 1926.

STORM KING

Particular description of goods.—Lightning Arresters and Parts Thereof.
Claims use since on or about December, 1922.

Ser. No. 228,971. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BUSCH MYSTERY MOUTHPIECE CO., New York, N. Y. Filed Mar. 22, 1926.

MYSTERY

Particular description of goods.—Mouthpieces for Brass-Wind and Wood-Wind Musical Instruments.
Claims use since 1914.

Ser. No. 229,018. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ANNIN & CO., New York, N. Y. Filed Mar. 23, 1926.

LIBERTY BELLE

"Liberty Belle."
Particular description of goods.—Dolls.
Claims use since Dec. 9, 1925.

Ser. No. 229,054. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PLATT & BRAHM COAL COMPANY, Chicago, Ill. Filed Mar. 23, 1926.

The representation of applicant's goods and the coal bod are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Coal.
Claims use since 1920.

Ser. No. 229,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. WATERMAN & CO., INC., New Orleans, La. Filed Mar. 23, 1926.

MATCH-IT

Particular description of goods.—Wheat Flour.
Claims use since Feb. 23, 1926.

Ser. No. 229,079. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE ARTOPHONE CORPORATION, St. Louis, Mo. Filed Mar. 24, 1926.

PURITAN

Particular description of goods.—Tenor Banjos.
Claims use since Jan. 5, 1926.

Ser. No. 229,080. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE ARTOPHONE CORPORATION, St. Louis, Mo. Filed Mar. 24, 1926.

Herwin

Particular description of goods.—Banjo Ukuleles, Ukuleles, Mandolins, and Guitars.
Claims use since Jan. 5, 1926.

Ser. No. 229,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. C. ZABEL CO., Youngstown, Ohio. Filed Mar. 24, 1926.

Z

Particular description of goods.—Malt Sirups for Food Purposes.
Claims use since Mar. 1, 1921.

Ser. No. 229,162. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DEITSCH BROTHERS, New York, N. Y. Filed Mar. 25, 1926.

Paktinall

Particular description of goods.—Suitcases and Overnight Bags.
Claims use since Jan. 15, 1926.

Ser. No. 229,170. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. ENGEL SONS & McCLELLAND, New York, N. Y. Filed Mar. 25, 1926.

IRISH ROSE Handkerchiefs

The right to exclusive use of the word "Handkerchief" apart from the mark shown is disclaimed.
Particular description of goods.—Handkerchiefs.
Claims use since Dec. 15, 1925.

Ser. No. 229,203. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE THOMAS STEEL PRODUCTS COMPANY, Warren, Ohio. Filed Mar. 25, 1926.

T-QUALITY-T

The word "Quality" is disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Cold-Rolled Strip Steel.
Claims use since Apr. 1, 1925.

Ser. No. 229,303. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ABRAHAM N. SPANEL, Rochester, N. Y. Filed Mar. 27, 1926.

VACUUMIZER

Particular description of goods.—Renovating Devices to be Used in Connection with Vacuum Cleaners.
Claims use since Feb. 12, 1925.

Ser. No. 229,322. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MANUFACTURING CO., Newark, N. J. Filed Mar. 29, 1926.

STORM GUARD

Particular description of goods.—Lightning Arresters and Parts Thereof.
Claims use since on or about May, 1922.

Ser. No. 229,331. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE GOLDEN RULE, INC., Columbus, Ohio. Filed Mar. 29, 1926.

TRADE MARK GOLDEN RULE THE GR INC.

No claim is made for the words "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Wool Wadding for Comfortables.
Claims use since Jan. 22, 1926.

Ser. No. 229,371. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANDREW'S MILL CO., New York, N. Y. Filed Mar. 30, 1926.

Andrew's Fabrics

Exclusive use of the words "Fabrics" and "Trade-Mark" apart from the mark shown in the drawing is hereby disclaimed.
Particular description of goods.—Dress Goods—Namely, Woolens and Worsteds in the Piece.
Claims use since Feb. 3, 1926.

Ser. No. 229,484. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTER BROS., New York, N. Y. Filed Mar. 31, 1926.

BOOSTER

"Booster."
Particular description of goods.—Cutlery—Viz, Domestic and Pocket Knives, Commercial and Trade Knives, Hair Clippers, Razors, and Scissors.
Claims use since Mar. 5, 1926.

Ser. No. 229,503. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Apr. 1, 1926.

Coralie

Particular description of goods.—Ladies', Misses', and Juniors' Hats.
Claims use since January, 1926.

Ser. No. 229,520. (CLASS 39. CLOTHING.) OGUS, RABINOVICH & OGUS, INC., New York, N. Y. Filed Apr. 1, 1926.

Mirabella

Particular description of goods.—Ladies' Hats.
Claims use since Mar. 2, 1926.

Ser. No. 229,521. (CLASS 39. CLOTHING.) OGUS, RABINOVICH & OGUS, INC., New York, N. Y. Filed Apr. 1, 1926.

Heloise

Particular description of goods.—Ladies' Hats.
Claims use since Mar. 2, 1926.

Ser. No. 229,553. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 2, 1926.

Mérite

Particular description of goods.—Buttons Composed of Bone, Wood, Pearl, Steel, and Similar Materials, But Not of Precious Metal.
Claims use since Sept. 10, 1924.

Ser. No. 229,557. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HOMER C. GILL, Columbus, Ohio. Filed Apr. 2, 1926.

BLACK LEADER BLOCK COAL Wins Every Heat

No claim is made to the words "Block Coal" apart from the mark as shown.
Particular description of goods.—Coal.
Claims use since June 1, 1925.

Ser. No. 229,608. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALDEN MANUFACTURING COMPANY, Springfield, Mass. Filed Apr. 3, 1926.

CONNECTORALD

Particular description of goods.—Radio Devices—Namely, Adapters for Vacuum-Tube Sockets, and Vacuum-Tube Sockets, Adapters with Auxiliary Electrical Cable Connections for Making Additional Connections to Sockets and Tubes for Facilitating Various Changes in the Operation without Physical Change of the Socket or Wiring of the Apparatus.
Claims use since Nov. 1, 1925.

Ser. No. 229,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) READY COOKED CEREAL CO., Minneapolis, Minn. Filed Apr. 3, 1926.

Health BRAND

Exclusive use of the words "Health Brand" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Whole Wheat and Cooked Whole Rye.
Claims use since Nov. 16, 1925.

Ser. No. 229,663. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FIRMAN L. CARSWELL MANUFACTURING COMPANY, Kansas City, Kans. Filed Apr. 5, 1926.

ROADMASTER

Particular description of goods.—Road Graders.
Claims use since Oct. 20, 1925.

Ser. No. 229,673. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Apr. 5, 1926.

BOWKNOT

Particular description of goods.—Textile Blankets.
Claims use since 1914.

Ser. No. 229,674. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Apr. 5, 1926.

KITTEN

Particular description of goods.—Textile Blankets.
Claims use since 1914.

Ser. No. 229,680. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FRANZ HARTMANN, Charlottenburg-Berlin, Germany. Filed Apr. 5, 1926.

SALINATOR
ZIMMER-SALINE

No claim is made for the words "Zimmer-Saline" apart from the mark shown on the drawing.
Particular description of goods.—Ventilating Apparatus Especially for Irrigating and Humidifying Apparatus.
Claims use since Jan. 28, 1925.

Ser. No. 229,704. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) QUAKER CITY RUBBER COMPANY, Wissinoming, Philadelphia, Pa. Filed Apr. 5, 1926.

P. P. P.

Particular description of goods.—Machinery Packing.
Claims use since April, 1894.

Ser. No. 229,733. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HILDRETH VARNISH COMPANY, INC., New York, N. Y. Filed Apr. 6, 1926.

HIL-CO-WITE

Particular description of goods.—Ready-Mixed Paint and Varnish.
Claims use since July, 1925.

Ser. No. 229,764. (CLASS 5. ADHESIVES.) VICTOR F. VAN STAN, Philadelphia, Pa. Filed Apr. 6, 1926.

No claim is made for the words "Chatillon" and "Made in U. S. A." as shown in the drawing.
Particular description of goods.—Adhesive Cement.
Claims use since on or about Nov. 1, 1921.

Ser. No. 229,896. (CLASS 39. CLOTHING.) H. D. BOB COMPANY INC., New York, N. Y. Filed Apr. 9, 1926.

The words "Beach Jacket" are hereby disclaimed apart from the mark as shown for purposes of registration only.
Particular description of goods.—Men's and Boys' Overjackets and Knit-Bottom Jackets Made of Cotton, Wool, Flannel, Silk, Rayon, Terry Cloth, and Other Textiles.
Claims use since Nov. 2, 1925.

Ser. No. 229,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARROW-TAYLOR BUTTER CO., Kansas City, Mo. Filed Apr. 9, 1926.

RICHFIELD

No claim is made to the name "Richfield" apart from the mark shown on the drawing.
Particular description of goods.—Butter.
Claims use since Sept. 5, 1925.

Ser. No. 229,913. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Apr. 9, 1926.

TWISTA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about Dec. 1, 1925.

Ser. No. 229,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MID-WEST SALES CORPORATION, Cincinnati, Ohio. Filed Apr. 10, 1926.

Enrich

Particular description of goods.—Battery Compound.
Claims use since about Mar. 15, 1926.

Ser. No. 229,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STRIETMANN BISCUIT CO., Cincinnati, Ohio. Filed Apr. 10, 1926.

ZESTA

Particular description of goods.—Crackers.
Claims use since Jan. 22, 1926.

Ser. No. 230,004. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JACK BARTON, Southgate Farm, near Parkmill, Gower, Wales. Filed Apr. 12, 1926.

HEELANTOE

Particular description of goods.—Safety-Razor-Blade-Stropping Machine.
Claims use since May 23, 1924.

Ser. No. 230,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN C. BERG, doing business as Justine's, Washington, D. C. Filed Apr. 12, 1926.

Justine's

"Justine's."
Particular description of goods.—Bread, Pies, Cakes, Ice Cream, and Candy.
Claims use since Apr. 24, 1920.

Ser. No. 230,014. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHEMICAL TREATMENT COMPANY, INC., New York, N. Y. Filed Apr. 12, 1926.

jolly roger

Particular description of goods.—Liquid Floor Coatings.
Claims use since Nov. 1, 1925.

Ser. No. 230,028. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.

No claim is made to the use of the word "Quality" apart from the mark shown in the drawing. The lines in the drawing are for shading only.
Particular description of goods.—Electric Flatirons and Electric Vacuum Cleaners.
Claims use since January, 1926.

Ser. No. 230,029. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.

GraybaR

QUALITY

No claim is made to the exclusive use of the word "Quality" apart from the mark as shown in the drawing. The lines are for shading only.

Particular description of goods.—Electric Flatirons and Electric Vacuum Cleaners.

Claims use since January, 1926.

Ser. No. 230,030. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRAYBAR ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 12, 1926.

GraybaR

The lines in the bar above the word "Graybar" indicate shading only.

Particular description of goods.—Electric Flatirons and Electric Vacuum Cleaners.

Claims use since January, 1926.

Ser. No. 230,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. HEINR. TRAUN & SÖHNE, VORMALS HARBURGER GUMMI-KAMM-COMPAGNIE, Hamburg, Germany. Filed Apr. 12, 1926.

FATURAN

Particular description of goods.—Synthetic and Other Artificial Resins Sold in Block Form, Sheet Form, and in Partly-Prepared Molded Forms, Useful for Purposes Similar to Those for Which Amber is Used, Also for Use as an Insulating Material.

Claims use since about 1909.

Ser. No. 230,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Apr. 12, 1926.

TRU TEST

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Lip Sticks, Eyebrow Pencils, Bath Salts, Smelling Salts, Sachets, Brilliantine, and Incense.

Claims use since Mar. 1, 1926.

Ser. No. 230,072. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALADDIN HYDRAULIC JACK COMPANY, Denver, Colo. Filed Apr. 13, 1926.

ALADDIN

Particular description of goods.—Hydraulic Jacks.

Claims use since about June 11, 1925.

Ser. No. 230,079. (CLASS 39. CLOTHING.) THE BLAKELY DRY GOODS CO., INC., Spokane, Wash. Filed Apr. 13, 1926.

SERV-U-WELL

Particular description of goods.—Men's Knitted and Textile Fabric Underwear, Women's and Children's Knitted Underwear, Men's and Boys' Overalls; Men's, Women's, and Children's Hosiery; Men's and Boys' Work Shirts; Leather, Fabric, and Jersey Knit Gloves, and Combinations Thereof.

Claims use since Sept. 10, 1925.

Ser. No. 230,094. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FITZGIBBONS BOILER COMPANY, INC., New York, N. Y. Filed Apr. 13, 1926. Under 10-year proviso.

THE FITZGIBBONS BOILER

Particular description of goods.—Steam and Hot-Water Boilers.

Claims use since about November, 1886.

Ser. No. 230,100. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn. Filed Apr. 13, 1926.

HESCO-MEXICAN 67

No registration rights are claimed to the term "Mexican" apart from the mark shown in the drawing.

Particular description of goods.—Unplated Base-Alloy Flatware Consisting of Spoons, Knives, and Forks.

Claims use since on or about Oct. 1, 1915.

Ser. No. 230,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL PURE FOOD COMPANY, INC., Baltimore, Md. Filed Apr. 13, 1926.

Jilly-Jelly

The use of the word "Jelly" is disclaimed apart from the mark shown.

Particular description of goods.—Gelatin Preparation for Table Dessert.

Claims use since Mar. 29, 1926.

Ser. No. 230,117. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PRIDE LAMP SHADE CO., Medford, Mass. Filed Apr. 13, 1926.

Pride of the Forest

Particular description of goods.—Lamp Shades Made of Wood.

Claims use since Mar. 26, 1926.

Ser. No. 230,126. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWABACHER BROS. & CO. INC., Seattle Wash. Filed Apr. 13, 1926.

SILVER SHIELD

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Berries, Canned Fish, and Shellfish, Spices, Food-Flavoring Extracts, Mustard, Tea, Coffee, Cocoa, Olives, Canned Prunes, Prepared Coconut, Farina, Pearl Barley, Pop Corn in its Natural State, Birdseed; Canned Figs, Vegetable Oil for Cooking or Salads, Celery Salt, Chili Powder, Poultry Seasoning, Sausage Seasoning, and Turmeric, Tapioca, Split Peas, and Jam.

Claims use since Jan. 1, 1895.

Ser. No. 230,128. (CLASS 39. CLOTHING.) ANTONIO SCODES, Laurel Hill, N. Y. Filed Apr. 13, 1926.

AVIATOR

"Aviator."

Particular description of goods.—Rubber Heels and Soles for Shoes.

Claims use since Mar. 1, 1926.

Ser. No. 230,157. (CLASS 39. CLOTHING.) BARNEY S. BONAVENTURE, doing business as Barney's, New York, N. Y. Filed Apr. 14, 1926.

EVERNU

Particular description of goods.—Fabric Cover to be Worn Over Ballet Slippers While in Use.

Claims use since Mar. 24, 1926.

347 O. G.—55

Ser. No. 230,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSE EMANUEL, Stamford, Conn. Filed Apr. 14, 1926.

BUCAREST BEAUTIFYING CREAM

The words "Beautifying Cream" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Beautifying Cream for Prevention of Sunburn, Removes Freckles, Liver Spots, Etc.

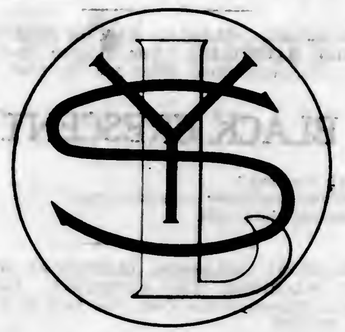
Claims use since Jan. 1, 1925.

Ser. No. 230,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAMMACK CHOCOLATE CO., INC., Baltimore, Md. Filed Apr. 14, 1926.

Particular description of goods.—Candy.

Claims use since Feb. 15, 1926.

Ser. No. 230,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YUN SANN LOO, Honolulu, Territory of Hawaii. Filed Apr. 14, 1926.



LOO'S

No claim is made to the name "Loo's" apart from the mark shown.

Particular description of goods.—Cough Medicine, Liniment, Cod-Liver-Oil Preparation, Laxatives, Preparations for Boils, Eczema, and Other Skin Diseases; Preparations for Colds, Headaches, and Nasal Catarrh; and Vaginal Douches.

Claims use since Nov. 9, 1922.

Ser. No. 230,190. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVERETTE J. PEASE, Manhattan, Kans. Filed Apr. 14, 1926.

The words "Vegetarian Dish" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Toasted Food Product Made From Corn Meal, Flour, Sugar, Salt, and Baking Powder, Eggs, Fruit, and Vegetables.

Claims use since Jan. 2, 1926.

Ser. No. 230,232. (CLASS 39. CLOTHING.) DUNN & MCCARTHY, INC., Auburn, N. Y. Filed Apr. 15, 1926.

ENNA JETTICK

Particular description of goods.—Boots, Shoes, and Slippers Made of Leather, Rubber, or Fabric or Combinations of These Materials.

Claims use since Mar. 15, 1926.

Ser. No. 230,242. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE HOLMES COAL COMPANY, Cincinnati, Ohio. Filed Apr. 15, 1926.

BLACK CRESCENT

"Black Crescent."

Particular description of goods.—Coal.

Claims use since 1910.

Ser. No. 230,287. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES F. DOOLAN MANUFACTURING CORP., New York, N. Y. Filed Apr. 16, 1926.

TIP-TOP

Particular description of goods.—Electric Wiring.

Claims use since Oct. 12, 1925.

Ser. No. 230,322. (CLASS 38. PRINTS AND PUBLICATIONS.) TOPICS, INC., Chicago, Ill. Filed Apr. 16, 1926.

A Digest of Farming Topics for Agricultural Extension Workers

"A Digest of Farming Topics for Agricultural Extension Workers."

Particular description of goods.—Monthly Magazine.

Claims use since Nov. 15, 1925.

Ser. No. 230,326. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANNIN & CO., New York N. Y. Filed Apr. 17, 1926.

FIFTH AVENUE

"Fifth Avenue."

Particular description of goods.—Flag Decorations.

Claims use since Sept. 1, 1919.

Ser. No. 230,335. (CLASS 38. PRINTS AND PUBLICATIONS.) GOLF ILLUSTRATED, INC., New York, N. Y. Filed Apr. 17, 1926.

GOLF
ILLUSTRATED

Particular description of goods.—Monthly Magazine.

Claims use since April, 1914.

Ser. No. 230,371. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WATERBURY BATTERY CO., Waterbury, Conn. Filed Apr. 17, 1926.

"W. B. Co."

Particular description of goods.—Primary Batteries and Parts Thereof.

Claims use since 1906.

Ser. No. 230,409. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OLD BEN COAL CORPORATION, Chicago, Ill. Filed Apr. 19, 1926.

HAZY CREEK

"Hazy Creek."

Particular description of goods.—Coal.

Claims use since Sept. 1, 1920.

Ser. No. 230,412. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM MOORE PATCH, doing business as Patch & Co., New York, N. Y., assignor to Patches Publishing Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 19, 1926.

PATCHES

"Patches."

Particular description of goods.—Weekly Publication.

Claims use since Jan. 21, 1926.

Ser. No. 230,438. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMATIC ELECTRIC INC., Chicago, Ill. Filed Apr. 20, 1926.

Monophone

Particular description of goods.—Automatic Telephone Systems.

Claims use since Mar. 22, 1926.

Ser. No. 230,442. (CLASS 38. PRINTS AND PUBLICATIONS.) CONSOLIDATED PUBLISHERS INC., Philadelphia, Pa. Filed Apr. 20, 1926.

RADIO HOME

Particular description of goods.—Publication Issued Periodically.

Claims use since Apr. 1, 1926.

Ser. No. 230,447. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FAVORITE STOVE & RANGE CO., Piqua, Ohio. Filed Apr. 20, 1926.

"Blue Streak"

The mark consists in the words "Blue Streak."

Particular description of goods.—Oil Ranges, Oil Stoves, and Oil Burners.

Claims use since Mar. 18, 1926.

Ser. No. 230,461. (CLASS 39. CLOTHING.) F. R. TRIPLER & CO., INC., New York, N. Y. Filed Apr. 20, 1926.

TROPIC - FELT

Exclusive use of the word "Felt" is disclaimed; "Tropic-Felt."

Particular description of goods.—Felt Hats for Men and Young Men.

Claims use since on or about Mar. 20, 1926.

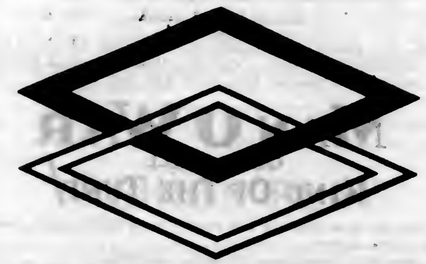
Ser. No. 230,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZERBST PHARMACAL COMPANY, INC., St. Joseph, Mo. Filed Apr. 20, 1926.

CHLORO-PINE

Particular description of goods.—Remedy for Coughs and Bronchial Trouble.

Claims use since November, 1920.

Ser. No. 230,470. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTOMOTIVE GEAR WORKS, INC., Richmond, Ind. Filed Apr. 21, 1926.



Particular description of goods.—Gears Including Automobile Gears and Shafting, Transmission Gears, Differential Gears, Pinions, Rear-Axle Gears, and Shafts.

Claims use since early in 1916.

Ser. No. 230,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KRALYPTENE CHEMICAL COMPANY, El Paso, Tex. Filed Apr. 21, 1926.

Kralyptene

Particular description of goods.—Medicine for the Treatment of Pyorrhea.

Claims use since Dec. 31, 1925.

Ser. No. 230,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. H. BALLARD, doing business as The Mallowette Company, Wichita, Kans. Filed Apr. 22, 1926.

MALLOW-ETTES
The Mallowette Co.

Particular description of goods.—Candy Confection.

Claims use since Apr. 21, 1926.

Ser. No. 230,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. H. BALLARD, doing business as The Mallowette Company, Wichita, Kans. Filed Apr. 22, 1926.

MARSH-ETTES
The Mallowette Co.

Particular description of goods.—Candy Confection.
Claims use since Apr. 21, 1926.

Ser. No. 230,527. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHICAGO MERCHANDISE & EQUIPMENT CO., Chicago, Ill. Filed Apr. 22, 1926.

MAN O WAR
GOLF BALL
KING OF THE TURF!

No claim is made to the words "Golf Ball" apart from the mark shown.
Particular description of goods.—Golf Balls.
Claims use since about Nov. 1, 1924.

Ser. No. 230,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIRDWOOD COLLENBERG, doing business as The Colbert Drug Co., Baltimore, Md. Filed Apr. 22, 1926.

IDEALAX
LAXATIVE TABLETS

Applicant disclaims the two descriptive words "Laxative Tablets" appearing on the drawing.
Particular description of goods.—Constipation Medicine.
Claims use since Jan. 10, 1925.

Ser. No. 230,535. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio. Filed Apr. 22, 1926.

Velvoleum

Particular description of goods.—Desk Tops for Office Desks and the like.
Claims use since Apr. 15, 1926.

Ser. No. 230,547. (CLASS 38. PRINTS AND PUBLICATIONS.) L. E. HOSS, Salt Lake City, Utah, assignor to L. E. Hoss Publishing Company, Salt Lake City, Utah, a Corporation of Utah. Filed Apr. 22, 1926.

The
Salt Lake Shopping News

Particular description of goods.—Periodical.
Claims use since Mar. 20, 1926.

Ser. No. 230,577. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

ALLURO

Particular description of goods.—Cigars.
Claims use since Jan. 23, 1915.

Ser. No. 230,579. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

ALGARA

Particular description of goods.—Cigars.
Claims use since Apr. 19, 1915.

Ser. No. 230,580. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

EL PROMOTO

Particular description of goods.—Cigars.
Claims use since July 31, 1917.

Ser. No. 230,583. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

SANTAELLA'S
Specials

No claim is made to the words appearing on the drawing except in the particular arrangement and association shown.
Particular description of goods.—Cigars.
Claims use since Jan. 1, 1916.

Ser. No. 230,587. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

FLOR DE

A. SANTAELLA Y CA.

No claim is made to the name of applicant except in the association shown in the drawing.
Particular description of goods.—Cigars.
Claims use since Dec. 31, 1904.

Ser. No. 230,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPARKS MILLING COMPANY, Alton, Ill. Filed Apr. 22, 1926.

LA BOLA de ORO

Particular description of goods.—Wheat Flour.
Claims use since 1901.

Ser. No. 230,601. (CLASS 39. CLOTHING.) WEIL CLOTHING COMPANY, St. Louis, Mo. Filed Apr. 22, 1926.

Stylart

Particular description of goods.—Suits, Overcoats, Raincoats, Topcoats, Slickers, Trousers, Coats, Vests, Sweaters, and Dress, Work, and Negligee Shirts for Men, Boys, and Youths.
Claims use since Feb. 26, 1926.

Ser. No. 230,604. (CLASS 7. CORDAGE.) WHITLOCK CORDAGE COMPANY, New York, N. Y. Filed Apr. 22, 1926.

WATERFLEX

Particular description of goods.—Rope.
Claims use since on or about Apr. 6, 1926.

Ser. No. 230,605. (CLASS 7. CORDAGE.) WHITLOCK CORDAGE COMPANY, New York, N. Y. Filed Apr. 22, 1926.

WATERFLEX
FLEXIBLE
WET or DRY

No claim is made to the words "Flexible—Wet or Dry" apart from the mark as shown.
Particular description of goods.—Rope.
Claims use since on or about Apr. 6, 1926.

Ser. No. 230,635. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Apr. 23, 1926.

LOVE
Confessions

Particular description of goods.—Monthly Magazine.
Claims use since Apr. 17, 1926.

Ser. No. 230,636. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed Apr. 23, 1926.

Candid
Confessions

Particular description of goods.—Monthly Magazine.
Claims use since Apr. 17, 1926.

Ser. No. 230,644. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) H. W. SELLE & CO., Chicago, Ill. Filed Apr. 23, 1926.

PROTEX

Particular description of goods.—Packing Pads Made of Excelsior or Similar Packing Material and Having a Covering of Paper or Similar Material and Designed for Use in Packing Objects for Shipment.
Claims use since Dec. 15, 1922.

Ser. No. 230,649. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed Apr. 24, 1926.

FASHION PLAY

Any right to the exclusive use of the word "Fashion" except as shown in the particular association and arrangement in which it appears with the rest of the trademark is disclaimed.
Particular description of goods.—Corsets, Brassières, Girdles, Bandeaux, Corset Waists, Camisoles, Combination of Brassières and Girdles, Brassières and Corsets, Brassières and Step-Ins, Brassières and Bloomers, Brassières and Petticoats, Combinations of Brassières, Girdles, Vests, and Step-Ins; Brassières, Corsets, and Petticoats; Brassières, Girdles, and Bloomers; Brassières, Girdles, and Drawers; Ladies' Vests, Chemises, Step-Ins; Women's, Misses', and Children's Knitted and Woven Underwear in One, Two, and Three Piece Garments.
Claims use since Mar. 1, 1926.

Ser. No. 230,650. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM ANASTO, New York, N. Y. Filed Apr. 24, 1926.

W. ANASTO'S

The portrait appearing in the drawing is that of applicant herein, William Anasto.
Particular description of goods.—Furniture and Automobile Cleaner and Polish.
Claims use since Jan. 1, 1925.

Ser. No. 230,655. (CLASS 38. PRINTS AND PUBLICATIONS.) BETHLEHEM GLOBE PUBLISHING COMPANY, Bethlehem, Pa. Filed Apr. 24, 1926.

The Bethlehem Globe-Times

Particular description of goods.—Periodical.
Claims use since Oct. 19, 1925.

Ser. No. 230,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHOTWELL MFG. CO., Chicago, Ill. Filed Apr. 24, 1926.

CAR-LOAD

Particular description of goods.—Candy and Candy Bars.
Claims use since Apr. 5, 1923.

Ser. No. 230,696. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THEMANS COAL COMPANY, INC., New York, N. Y. Filed Apr. 24, 1926.

VILLAGE

Particular description of goods.—Coal.
Claims use since November, 1925.

Ser. No. 230,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE YO! HO! PRODUCTS COMPANY, Louisville, Ky. Filed Apr. 24, 1926.

Particular description of goods.—Cake Flour.
Claims use since June, 1925.

Ser. No. 230,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACKHAWK CANDY CO., Davenport, Iowa. Filed Apr. 26, 1926.

SESAME BAR

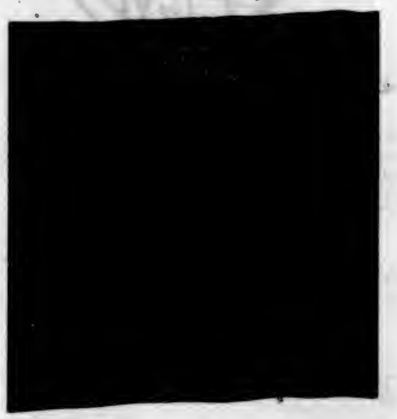
Applicant disclaims the exclusive right to the use of the word "Bar" apart from the mark shown.
Particular description of goods.—Candy Bars.
Claims use since Apr. 8, 1926.

Ser. No. 230,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. N. COLLINS COMPANY, Minneapolis, Minn. Filed Apr. 26, 1926.

JETTYS

The background of the wrapper is in black and the letters are in olive green.
Particular description of goods.—Candles.
Claims use since Jan. 1, 1926.

Ser. No. 230,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. N. COLLINS COMPANY, Minneapolis, Minn. Filed Apr. 26, 1926.



No claim is made to the word "Collins'" except as associated with the other features of the mark.
Particular description of goods.—Candles.
Claims use since Jan. 1, 1926.

Ser. No. 230,730. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ELGIN-AMERICAN MFG. CO., Elgin, Ill. Filed Apr. 26, 1926.

ELGINITE

Particular description of goods.—Alloy of Metals.
Claims use since Mar. 29, 1926.

Ser. No. 230,753. (CLASS 17. TOBACCO PRODUCTS.) MELLEN AND APPLEBAUM, Los Angeles, Calif. Filed Apr. 26, 1926.

Reducerette

Particular description of goods.—Cigarettes.
Claims use since Mar. 30, 1926.

Ser. No. 230,758. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL AUTOMOBILE ASSOCIATION, Boston, Mass. Filed Apr. 26, 1926.

NATIONAL AUTOMOBILE ASSOCIATION NAA BOSTON

Particular description of goods.—Prints and Publications.
Claims use since 1909.

Ser. No. 230,784. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERRY DAVIS, Moorestown, N. J. Filed Apr. 27, 1926.

The word "Spray" appearing in the drawing is disclaimed apart from the mark, as shown.
Particular description of goods.—Insecticide.
Claims use since Jan. 5, 1920.

Ser. No. 230,791. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUDWIG F. HUG, doing business as L. F. Hug & Co., New York, N. Y. Filed Apr. 27, 1926.

The words "Bar Harbor" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since January, 1925.

Ser. No. 230,800. (CLASS 39. CLOTHING.) RANDA HAT CO., New York, N. Y. Filed Apr. 27, 1926.

RENÉE

Particular description of goods.—Ladies' Hats.
Claims use since about Mar. 1, 1926.

Ser. No. 230,814. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN AWNING & TENT CO., Boston, Mass. Filed Apr. 28, 1926.

AMATCO

The word "Amatco."
Particular description of goods.—Awnings, Tents, Tarpaulins, and Canopies.
Claims use since January, 1925.

Ser. No. 230,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. B. INDERRIEDEN CO., Chicago, Ill. Filed Apr. 28, 1926.

Peter Pan

Particular description of goods.—Nuts in Their Natural State and Nut Meats.
Claims use since 1921.

Ser. No. 230,853. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. G. SPALDING & BROS., New York, N. Y. Filed Apr. 28, 1926.

METALITE

Particular description of goods.—Tennis Rackets.
Claims use since about Apr. 1, 1926.

Ser. No. 230,861. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) E. K. WIGDAHL, Chicago, Ill. Filed Apr. 28, 1926.

TRIACE

Particular description of goods.—Games Played with Cubes.
Claims use since Apr. 25, 1926.

Ser. No. 230,865. (CLASS 38. PRINTS AND PUBLICATIONS.) ARCUS TICKET CO., Chicago, Ill. Filed Apr. 29, 1926.

ARTICO

Particular description of goods.—Printed Tickets, Coupons, and Restaurant Checks.
Claims use since about Oct. 1, 1925.

Ser. No. 230,871. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIKE CHEMAS, Humboldt, Ariz. Filed Apr. 29, 1926.

The name "Mike Chemas" is a facsimile of applicant's signature and the portrait is that of applicant.
Particular description of goods.—Pickled Turnips.
Claims use since Apr. 20, 1926.

Ser. No. 230,878. (CLASS 38. PRINTS AND PUBLICATIONS.) FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 29, 1926.

INTO THE LIGHT

Particular description of goods.—Newspaper Feature Articles.
Claims use since Feb. 1, 1926.

Ser. No. 230,894. (CLASS 38. PRINTS AND PUBLICATIONS.) MOLLIE E. NICHOLSON, Chevy Chase, Md. Filed Apr. 29, 1926.

The Woman Democrat

Particular description of goods.—Periodical Publication.
Claims use since Jan. 30, 1924.

Ser. No. 230,897. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN SACK, doing business as The Continental Oil Company, New York, N. Y. Filed Apr. 29, 1926.

Co-Co Brand

No claim is made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Ammonia.
Claims use since Apr. 20, 1924.

Ser. No. 230,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILFRED MANUFACTURING CO., Terre Haute, Ind. Filed Apr. 29, 1926.

DENT-EASE

Particular description of goods.—Healing Antiseptic and Disinfectant for the Treatment of Sore Mouth, Sore and Ulcerated Gums, Pyorrhea, Sore Throat, Tonsillitis, Nasal Catarrh, Etc., and as a General Mouth Wash, and Also After Extraction of Teeth.
Claims use since Dec. 1, 1912.

Ser. No. 230,907. (CLASS 38. PRINTS AND PUBLICATIONS.) WOMAN'S DEMOCRATIC CLUB, Rockville, Md. Filed Apr. 29, 1926.

The Woman Democrat

Particular description of goods.—Periodical Issued Quarterly.
Claims use since Nov. 12, 1923.

Ser. No. 230,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REED & CARNRICK, Jersey City, N. J. Filed Apr. 30, 1926.

Ovacoids

Particular description of goods.—Preparation in Tablet, Powder, and Liquid Form to be Used in the Treatment of Sexual Glandular Insufficiency and Accompanying Conditions, Such as Nervous Debility, Nerve Depression, Presenility, Hypogonadism, and Kindred Affections and as a General Activator of the Sexual Glands.
Claims use since Mar. 15, 1926.

Ser. No. 230,951. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REED & CARNRICK, Jersey City, N. J. Filed Apr. 30, 1926.

Testacoids

Particular description of goods.—Preparation in Tablet, Liquid, and Powder Form to be Used in the Treatment of Sexual Glandular Insufficiency and Accompanying Conditions, Such as Nervous Debility, Nerve Depression, Presenility, Hypogonadism, and Kindred Affections and as a General Activator of the Sexual Glands.
Claims use since Mar. 15, 1926.

Ser. No. 230,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SARAH BROWN CANNON, Chicago, Ill. Filed May 1, 1926.

SARAH BROWN'S

The picture shown in the drawing consists of a facsimile of applicant's portrait.
Particular description of goods.—Kidney Medicine.
Claims use since 1910.

Ser. No. 231,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN H. DENNIS, Woodston, Kans. Filed May 3, 1926.

W. H. D.
SPECIAL

The word "Special" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—A Stomach Medicine for Treatment of Gas on Stomach, Stomach Disorders, Sour Stomach, Ulcers of Stomach, and Constipation.
Claims use since Feb. 1, 1925.

Ser. No. 231,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EVER-READY FOOD PRODUCTS COMPANY, Carrick, Pa. Filed May 3, 1926.

Particular description of goods.—Pineapple, Chocolate, Scotch Caramel, Cherries, Caramel, Strawberry, Raspberry, English Walnuts, and Marshmallow Used as a Flavoring for Ice-Cream Sodas and as Toppings for Ice Creams and Ices.
Claims use since July 15, 1925.

Ser. No. 231,033. (CLASS 39. CLOTHING.) GEORGE B. FATTA & SONS, Amsterdam, N. Y. Filed May 3, 1926.

Sport
O'Fatta's
Hose

The words "Sport Hose" are disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Sport Hose for Men, Women, and Children.
Claims use since Apr. 12, 1926.

Ser. No. 231,059. (CLASS 38. PRINTS AND PUBLICATIONS.) MOVIE WEEKLY PUBLISHING CORPORATION New York, N. Y. Filed May 3, 1926.

PICTURES

Particular description of goods.—Monthly Magazine.
Claims use since Mar. 16, 1926.

Ser. No. 231,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROTO ZYME LABORATORIES, INC., Pittsburgh, Pa. Filed May 3, 1926.

Gono Zyme

Particular description of goods.—Preparation for the Treatment of Gonorrhea.
Claims use since Dec. 1, 1925.

Ser. No. 231,065. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROTO ZYME LABORATORIES, INC., Pittsburgh, Pa. Filed May 3, 1926.

Proto Zyme

Particular description of goods.—A Preparation for the Treatment of Syphilis.
Claims use since Dec. 1, 1925.

Ser. No. 231,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRASTOUR CANDY COMPANY, Franklin, La. Filed May 3, 1926.

KISMET

Particular description of goods.—Candy.
Claims use since Oct. 1, 1925.

Ser. No. 231,083. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WHITWORTH & MITCHELL, LIMITED, Manchester, England. Filed May 3, 1926.

WEMCO

Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 1, 1924.

Ser. No. 231,099. (CLASS 38. PRINTS AND PUBLICATIONS.) DUPLEX ENVELOPE CO. INC., Richmond, Va. Filed May 4, 1926.

CHURCH BUSINESS

Particular description of goods.—Periodicals.
Claims use since on or about Oct. 1, 1923.

Ser. No. 231,111. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LIEBMANN BREWERIES, INC., Brooklyn, N. Y. Filed May 4, 1926.

RADIO

Particular description of goods.—Malt Beverages, Containing Less Than One-Half of One Per Cent of Alcohol by Volume.
Claims use since Apr. 19, 1926.

Ser. No. 231,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALMONT MITCHELL, Whiteville, Tenn. Filed May 5, 1926.

Particular description of goods.—Toilet Cream, Cold Cream, Vanishing Cream, Cleansing Cream, Shampoo, Hairdressing, Blackhead Remover, Face Powder, Talcum Powder, Rouge, Lip Stick, and Hair Tonic.
Claims use since about Jan. 15, 1926.

Ser. No. 231,166. (CLASS 38. PRINTS AND PUBLICATIONS.) QUALITY BAKERS OF AMERICA, New York, N. Y. Filed May 5, 1926.

The Quality Grocer

Particular description of goods.—Magazine Published Twelve Times a Year.
Claims use since March, 1924.

Ser. No. 231,213. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. JACOB SHARP, doing business as The Salodent Company, New Haven, Conn. Filed May 6, 1926.

SALODENT

Particular description of goods.—Tooth Powder.
Claims use since Feb. 15, 1926.

Ser. No. 231,214. (CLASS 31. FILTERS AND REFRIGERATORS.) ALLEN T. SHOTT, Cincinnati, Ohio. Filed May 6, 1926.

GOOD HOUSEKEEPING

Particular description of goods.—Refrigerators.
Claims use since Jan. 14, 1926.

Ser. No. 231,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed May 6, 1926.

SWEET 16

Particular description of goods.—Chewing Gum.
Claims use since Mar. 4, 1903.

Ser. No. 231,238. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BROOKLYN CITIZEN, Brooklyn, N. Y. Filed May 7, 1926.

The Brooklyn Citizen.

Particular description of goods.—Evening and Sunday Newspaper.
Claims use since October, 1886.

Ser. No. 231,250. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES EMPRINGHAM, New York, N. Y. Filed May 7, 1926.

B-M-L

Particular description of goods.—Remedy for the Treatment of Constipation.
Claims use since about January, 1925.

Ser. No. 231,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F & M IMPORTING CO., Los Angeles, Calif. Filed May 7, 1926.

ONESTO

Particular description of goods.—Canned Fish, Canned Fruits, and Canned Vegetables, Alimentary Pastes, Olives; Edible Oil—Namely, Olive Oil, Candy, Chocolate, and Tomato Paste.
Claims use since July 1, 1925.

Ser. No. 231,281. (CLASS 38. PRINTS AND PUBLICATIONS.) PONTIAC PRESS COMPANY, Pontiac, Mich. Filed May 7, 1926.

THE PONTIAC DAILY PRESS

"The Pontiac Daily Press."
Particular description of goods.—Daily Newspaper.
Claims use since Aug. 25, 1906.

Ser. No. 231,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN CALIFORNIA FISH CORPORATION, East San Pedro, Calif. Filed May 7, 1926.

BILLOW

Particular description of goods.—Canned Fish.
Claims use since Jan. 1, 1925.

Ser. No. 231,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATTHEW J. ZEUZIUS, doing business as Blue Blood Shippers, Los Angeles, Calif. Filed May 7, 1926.

BLUE BLOOD

Particular description of goods.—Fresh Deciduous Fruits—Namely, Peaches, Pears, Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit; Fresh Vegetables—Namely, Tomatoes and Lettuce; Fresh Grapes; and Fresh Melons—Namely, Cantaloupes.
Claims use since Oct. 21, 1925.

Ser. No. 231,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE CANDY COMPANY, St. Joseph, Mo. Filed May 8, 1926.

Particular description of goods.—Candy.
Claims use since Nov. 1, 1924.

Ser. No. 231,334. (CLASS 39. CLOTHING.) MARTIN-PAGE CO., Middlesboro, Ky. Filed May 8, 1926.

CINDERELLA

Particular description of goods.—Ladies' Shirred Garters.
Claims use since Jan. 4, 1926.

Ser. No. 231,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEO-SYN COMPANY, Minneapolis, Minn. Filed May 8, 1926.

NEO-SYN

Particular description of goods.—Sedatives.
Claims use since May 4, 1926.

Ser. No. 231,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARD J. NONTELL, doing business as Puget Sound Laboratory, Seattle, Wash. Filed May 8, 1926.

LEAF CLOVER

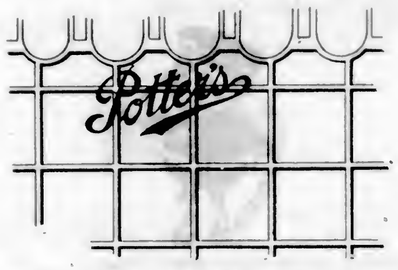
Particular description of goods.—Pharmaceutical Preparation for the Relief of Headache, Backache, and that Heavy Bearing-Down Feeling Common to Women.
Claims use since Mar. 16, 1925.

Ser. No. 231,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed May 11, 1926.

ENDOVARIN

Particular description of goods.—Medicinal Solution in the Treatment of Amenorrhea and Dysmenorrhea.
Claims use since Apr. 1, 1926.

Ser. No. 231,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POTTER CONFECTIONERY CO., Cambridge, Mass. Filed May 11, 1926.



Particular description of goods.—Candy.
Claims use since Mar. 2, 1910.

Ser. No. 231,475. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELMER A. FORD, doing business as Ford's Auto Polish Company, Westfield, N. J. Filed May 12, 1926.

R-O A N

Particular description of goods.—Automobile Polish, Furniture Polish, Spar Varnish, and White Enamel.
Claims use since Apr. 15, 1926.

Ser. No. 231,478. (CLASS 39. CLOTHING.) GENERAL HOSIERY COMPANY, Fort Wayne, Ind. Filed May 12, 1926.

Eden

Particular description of goods.—Hosiery.
Claims use since Apr. 15, 1926.

Ser. No. 231,479. (CLASS 39. CLOTHING.) GENERAL HOSIERY COMPANY, Fort Wayne, Ind. Filed May 12, 1926.

SAN-TOY

Particular description of goods.—Hosiery.
Claims use since Apr. 15, 1926.

Ser. No. 231,487. (CLASS 39. CLOTHING.) LAMBERT BEWKES CO., Paterson, N. J. Filed May 12, 1926.

ELBY

Particular description of goods.—Men's and Boys' Shirts and Blouses and Ladies' and Children's Dresses and Aprons.
Claims use since April, 1917.

Ser. No. 231,493. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FELIX C. MONTUORI, Washington, D. C. Filed May 12, 1926.

TRUCAST

Particular description of goods.—Dental Apparatus and Supplies—Namely, Dental Casting Machines, Inlay Flasks, and Casting Investment Compound.
Claims use since July, 1925.

Ser. No. 231,502. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE SYMINGTON COMPANY, New York and Rochester, N. Y. Filed May 12, 1926.

SYM—ASCO

Particular description of goods.—Malleable Castings.
Claims use since Apr. 28, 1926.

Ser. No. 231,509. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. A. WYNER & CO., INC., New York, N. Y. Filed May 12, 1926.

Autumn Bloom

Particular description of goods.—Knitted Piece Goods Composed of Silk, Rayon, Cotton, Wool, Worsteds, and Combinations Thereof.
Claims use since Apr. 1, 1926.

Ser. No. 231,511. (CLASS 39. CLOTHING.) ADMIRABLE CLOTHES, INC., New York, N. Y. Filed May 13, 1926.

No claim is made to the words "Guaranteed," "Serge," "Tailored on Fifth Ave.," and "By Admirable Clothes, Inc.," apart from the mark as shown on the drawing.
Particular description of goods.—Men's Suits, Topcoats, Vests, and Pants.
Claims use since May 1, 1926.

Ser. No. 231,521. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed May 13, 1926.

Particular description of goods.—Children's Play Suits.
Claims use since about July 1, 1925.

Ser. No. 231,522. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed May 13, 1926.

Particular description of goods.—Hosiery.
Claims use since about April, 1925.

Ser. No. 231,538. (CLASS 31. FILTERS & REFRIGERATORS.) GENERAL NECESSITIES CORPORATION, Detroit, Mich. Filed May 13, 1926.

Absopure
REFRIGERATOR

Particular description of goods.—Refrigerators.
Claims use since about Sept. 1, 1925.

Ser. No. 231,544. (CLASS 39. CLOTHING.) C. CRAWFORD HOLLINGE, Boston, Mass. Filed May 13, 1926.

Hollcraft

Particular description of goods.—Women's, Girls', and Misses' Undergarments and Clothing—Namely, Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Sport Coats, Capes, and Coats Made Out of Textile Material, and Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made Out of Knitted Material.
Claims use since Apr. 15, 1926.

Ser. No. 231,546. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JOSTAM MANUFACTURING CO., Chicago, Ill. Filed May 13, 1926.

HY—GUN

Particular description of goods.—Recoil Pads for Gunstocks.
Claims use since Feb. 26, 1926.

Ser. No. 231,555. (CLASS 43. THREAD AND YARN.) CARL MEZ & SÖHNE A. G., Vienna, Austria. Filed May 13, 1926.

C. M. S.

Particular description of goods.—Raw and Colored Sewing Silk, Cotton, Linen, Hemp, and Sheep's Wool Threads and Yarns.
Claims use since 1911.

Ser. No. 231,570. (CLASS 38. PRINTS AND PUBLICATIONS.) A. J. SIMMS & COMPANY, Tampa, Fla. Filed May 13, 1926.

Particular description of goods.—Monthly Publication.
Claims use since Mar. 1, 1926.

Ser. No. 231,585. (CLASS 39. CLOTHING.) CHESTER KNITTING MILLS, St. Louis, Mo. Filed May 14, 1926.

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since about Feb. 1, 1924.

Ser. No. 231,611. (CLASS 38. PRINTS AND PUBLICATIONS.) INTER-STATE TATLER COMPANY, New York, N. Y. Filed May 14, 1926.

Inter—State
TATTLER

Particular description of goods.—Pictorial Weekly Newspaper.
Claims use since Feb. 28, 1925.

Ser. No. 231,635. (CLASS 25. LOCKS AND SAFES.) SARGENT & GREENLEAF, INC., Rochester, N. Y. Filed May 14, 1926.

S&G

Particular description of goods.—Combination Locks.
Claims use since Oct. 20, 1925.

Ser. No. 231,660. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON COHN, doing business as "Parfumerie Forest", Paris, France. Filed May 15, 1926.

MONCEAU

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Rouge, Bath Salts, and Face Creams.
Claims use since January, 1926.

Ser. No. 231,663. (CLASS 38. PRINTS AND PUBLICATIONS.) "THE EXHIBITOR", Philadelphia, Pa. Filed May 15, 1926.

"The EXHIBITOR"

Particular description of goods.—Semimonthly Magazine.
Claims use since Oct. 1, 1919.

Ser. No. 231,668. (CLASS 39. CLOTHING.) GORDON & FERGUSON, INC., St. Paul, Minn. Filed May 15, 1926.

FIELD AND STREAM

Particular description of goods.—Leather Blouses, Leather Vests, Sheep-Lined Jackets and Sheep-Lined Coats.
Claims use since Sept. 1, 1915.

Ser. No. 231,675. (CLASS 39. CLOTHING.) GEO. P. IDE & CO., INC., Troy, N. Y. Filed May 15, 1926.

IDEFOLD

Particular description of goods.—Collars.
Claims use since Apr. 24, 1926.

Ser. No. 231,676. (CLASS 39. CLOTHING.) GEO. P. IDE & CO., INC., Troy, N. Y. Filed May 15, 1926.

IDECRAFT

Particular description of goods.—Collars.
Claims use since Apr. 26, 1926.

Ser. No. 231,721. (CLASS 32. FURNITURE AND UPHOLSTERY.) CALIFORNIA WALL BED COMPANY, San Francisco, Calif. Filed May 17, 1926.

SECRET

Particular description of goods.—Concealable Beds.
Claims use since about Jan. 1, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 22, 1926.

214,307. RADIATORS. GEORGE P. SCHMITT, Oakland, Calif.
Filed April 26, 1923. Serial No. 179,745. PUBLISHED MARCH 9, 1926.

214,308. ASPHALT-COMPOSITION SHINGLES. B. F. NELSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed January 25, 1924. Serial No. 191,278. PUBLISHED APRIL 6, 1926.

214,309. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, FRUIT PRESERVES, JAMS, JELLIES, PICKLES, AND VEGETABLE RELISHES, CATCHUP, CHILI SAUCE, AND CANNED BERRIES. H. JEVNE CO., Los Angeles, Calif.
Filed August 18, 1924. Serial No. 201,561. PUBLISHED JANUARY 20, 1925.

214,310. INCANDESCENT GAS AND OIL LAMPS, PETROLEUM LAMPS, STORM LANTERNS, CHANDELIERS, CANDELABRA, AND ALL PARTS OF SUCH LAMPS. DEUTSCHE GASGLÜHLICHT-AUER-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed December 5, 1924. Serial No. 206,282. PUBLISHED MARCH 30, 1926.

214,311. RUBBERIZED WOVEN AND UNWOVEN FABRICS. ABRAHAM SYDEMAN, doing business as Stedfast Fabric and Rubber Co., Mattapan, Mass.
Filed December 13, 1924. Serial No. 206,700. PUBLISHED MARCH 9, 1926.

214,312. COAL STOVES AND FURNACES FOR WARM-AIR HEATING. PREMIER WARM AIR HEATER COMPANY, Dowagiac, Mich.
Filed December 29, 1924. Serial No. 207,402. PUBLISHED MARCH 16, 1926.

214,313. FUR SKINS. SAMUEL RUBINTON, Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,951. PUBLISHED MARCH 30, 1926.

214,314. CHEWING GUM. FORHAN COMPANY, New York, N. Y.
Filed March 5, 1925. Serial No. 210,545. PUBLISHED APRIL 6, 1926.

214,315. HOT-WATER BOILERS AND STEAM BOILERS OF THE HOUSE-HEATING TYPE, ALL USING COAL, COKE, AND KINDRED SOLID FUELS ONLY. THE AMERICAN FURNACE & FOUNDRY CO., Milan, Mich.
Filed March 18, 1925. Serial No. 211,195. PUBLISHED MARCH 16, 1926.

214,316. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Y. & B. HOSIERY MILLS, Reading, Pa.
Filed June 1, 1925. Serial No. 215,195. PUBLISHED DECEMBER 1, 1925.

214,317. BICYCLE SADDLES, FOOT PEDALS, VEHICLE SPRINGS, BRAKES, REAR-VISION MIRRORS. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed September 8, 1925. Serial No. 219,942. PUBLISHED MARCH 9, 1926.

214,318. BICYCLE SADDLES, FOOT PEDALS, VEHICLE SPRINGS, BRAKES, REAR-VISION MIRRORS. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed September 8, 1925. Serial No. 219,943. PUBLISHED MARCH 9, 1926.

214,319. BICYCLE SADDLES, FOOT PEDALS, VEHICLE SPRINGS, BRAKES, REAR-VISION MIRRORS. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed September 8, 1925. Serial No. 219,944. PUBLISHED MARCH 9, 1926.

214,320. CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, CANNED SHELLFISH, FRUIT PRESERVES, DRIED FRUITS, MINCEMEAT, MAYONNAISE DRESSING, CATCHUP, VINEGAR, OLIVES, TEA, ALIMENTARY PASTES, MARMALADE, DRIED FISH, AND CHILI SAUCE. DOWNING TAYLOR COMPANY, Springfield, Mass.
Filed September 8, 1925. Serial No. 219,948. PUBLISHED APRIL 6, 1926.

214,321. AXLES, BRAKES, VEHICLE BUMPERS, VEHICLE COUPLINGS, CRANKS, VEHICLE CLUTCH HOOKS, DRAWBARS, FENDERS, VEHICLE GROUSERS, RIMS, SHOCK ABSORBERS, STEERING POSTS, STEER-EASY DEVICES FOR VEHICLES, VEHICLE TRACK-LAYERS, VEHICLE BODIES AND WHEELS. O. R. PETERSON CO. INC., San Francisco and Los Angeles, Calif.
Filed October 12, 1925. Serial No. 221,636. PUBLISHED MARCH 16, 1926.

214,322. PIPE-JOINT CEMENT. WOLVERINE BRASS WORKS, Grand Rapids, Mich.
Filed November 11, 1925. Serial No. 223,151. PUBLISHED MARCH 30, 1926.

214,323. REFRACTORY MATERIALS, PARTICULARLY ARTIFICIAL MULLITE. THE EXOLON COMPANY, Blasdell, N. Y.
Filed November 13, 1925. Serial No. 223,225. PUBLISHED APRIL 6, 1926.

214,324. VENEER AND PLYWOOD. AMERICAN PLYWOOD CORPORATION, New London, Wis.
Filed November 16, 1925. Serial No. 223,360. PUBLISHED APRIL 6, 1926.

214,325. PREPARATION FOR WATERPROOFING CEMENT OR OTHER POROUS BUILDING MATERIAL. FRANK H. BERGMANN, Chicago, Ill.
Filed December 4, 1925. Serial No. 224,230. PUBLISHED FEBRUARY 16, 1926.

214,326. PREPARATION FOR WATERPROOFING CEMENT OR OTHER POROUS BUILDING MATERIAL. FRANK H. BERGMANN, Chicago, Ill.
Filed December 4, 1925. Serial No. 224,229. PUBLISHED FEBRUARY 16, 1926.

214,327. CANNED FRUITS, CANNED SOUPS, CANNED VEGETABLES, AND TOMATO CATCHUP. W. M. HARRIS & SONS, Wyoming and Frederica, Del.
Filed February 5, 1926. Serial No. 226,900. PUBLISHED APRIL 6, 1926.

214,328. PREPARED CAKE FROSTING OR CAKE ICING. KENNETT HARRIS, Jr., doing business as The Frostum Co., New York, N. Y.
Filed February 5, 1926. Serial No. 226,899. PUBLISHED MARCH 30, 1926.

214,329. MALT SIRUP FOR FOOD PURPOSES. MAX M. GUGENHEIM, doing business as Three Feathers Malt Extract Co., Cincinnati, Ohio.
Filed February 4, 1926. Serial No. 226,854. PUBLISHED MARCH 30, 1926.

214,330. PREPARATION TO BE USED IN BREAD MAKING OR AS YEAST FOOD. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed January 30, 1926. Serial No. 226,696. PUBLISHED APRIL 6, 1926.

214,331. CANNED VEGETABLES AND CANNED BERRIES. STAR CANNING CO., Lindale, Tex.
Filed January 30, 1926. Serial No. 226,693. PUBLISHED MARCH 30, 1926.

214,332. CANNED FRUITS—NAMELY, SLICED PINEAPPLE, PEACHES, AND FRUIT SALAD; CANNED VEGETABLES — NAMELY, TOMATOES, PEAS, AND CORN; CANNED PRESERVES—NAMELY, STRAWBERRY, PLUM, APRICOT, AND PEACH; OLIVES, VINEGAR, PREPARED MUSTARD, TOMATO CATCHUP, AND SPICES. LUCIDO BROTHERS GROCERY CO., Granite City, Ill.
Filed January 30, 1926. Serial No. 226,668. PUBLISHED MARCH 30, 1926.

214,333. AEROPLANES. CURTISS AEROPLANE AND MOTOR COMPANY, INC., Buffalo and Garden City, N. Y.
Filed January 29, 1926. Serial No. 226,584. PUBLISHED APRIL 6, 1926.

214,334. STUCCO. BESTSTONE STUCCO COMPANY, INC., Brooklyn, N. Y.
Filed January 25, 1926. Serial No. 226,329. PUBLISHED APRIL 6, 1926.

214,335. METAL GRATING FOR FLOORINGS, STAIRCASES, AND ROADWAYS. IRVING IRON WORKS COMPANY, Long Island City, N. Y.
Filed January 23, 1926. Serial No. 226,289. PUBLISHED MARCH 30, 1926.

214,336. FIRE BRICK. W. S. DICKEY CLAY MANUFACTURING COMPANY, Kansas City, Mo.
Filed January 20, 1926. Serial No. 226,131. PUBLISHED MARCH 30, 1926.

214,337. WATER HEATERS. RICHARD LOUIS GEASLEN, doing business as Triad Products Co., Chicago, Ill.
Filed January 14, 1926. Serial No. 225,919. PUBLISHED APRIL 6, 1926.

214,338. BICYCLE RIMS. THE DAYTON ROLLED METAL COMPANY, Dayton, Ohio.
Filed January 7, 1926. Serial No. 225,596. PUBLISHED MARCH 30, 1926.

214,339. AUTOMOBILES. REO MOTOR CAR COMPANY, Lansing, Mich.
Filed January 6, 1926. Serial No. 225,575. PUBLISHED APRIL 6, 1926.

214,340. CERTAIN NAMED PARTS FOR VEHICLES. JOPLIN SUPPLY COMPANY, Joplin, Mo.
Filed January 6, 1926. Serial No. 225,561. PUBLISHED APRIL 6, 1926.

214,341. BICYCLES. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed January 4, 1926. Serial No. 225,476. PUBLISHED MARCH 30, 1926.

214,342. CLAY. THE PHILADELPHIA CLAY COMPANY, Philadelphia, Pa.
Filed December 24, 1925. Serial No. 225,136. PUBLISHED APRIL 6, 1926.

214,343. AUTO TOP FINISH (A WATERPROOF FABRIC). J. C. HAARTZ COMPANY, New Haven, Conn.
Filed December 19, 1925. Serial No. 224,910. PUBLISHED APRIL 6, 1926.

214,344. UNDERSEAT AIR DIFFUSERS FOR AUDITORIUMS. KNOWLES MUSHROOM VENTILATOR CO., New York, N. Y.
Filed December 11, 1925. Serial No. 224,566. PUBLISHED APRIL 6, 1926.

214,345. HOT-WATER HEATERS, WATER-STORAGE HEATERS, GAS HEATING SYSTEMS, HEATING COILS, BURNERS, VALVES, THERMOSTAT DEVICES, PIPE FITTINGS FOR USE IN CONNECTION THEREWITH, AND HEAT-INSULATING COVERS FOR BOILERS. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio.
Filed December 26, 1925. Serial No. 225,171. PUBLISHED MARCH 30, 1926.

214,346. PLASTIC WALL COVERING, WALL PLASTER, AND FINISHING PLASTER. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed December 26, 1925. Serial No. 225,209. PUBLISHED MARCH 9, 1926.

214,347. BUILDING BLOCKS, BRICKS, AND BUILDING TILE MADE OF CONCRETE. WILLIAM E. DUNN, Holland, Mich.
Filed December 28, 1925. Serial No. 225,223. PUBLISHED MARCH 9, 1926.

214,348. COAL. THE S. J. PATTERSON COMPANY, Dayton, Ohio.
Filed December 28, 1925. Serial No. 225,238. PUBLISHED MARCH 9, 1926.

214,349. MOTOR TRUCKS. SELDEN TRUCK CORPORATION, Rochester, N. Y.
Filed December 29, 1925. Serial No. 225,286. PUBLISHED MARCH 9, 1926.

214,350. MOTOR TRUCKS. SELDEN TRUCK CORPORATION, Rochester, N. Y.
Filed December 29, 1925. Serial No. 225,287. PUBLISHED MARCH 9, 1926.

214,351. COKE. WHITELEY & FOERDISCH, New York, N. Y.
Filed December 29, 1925. Serial No. 225,294. PUBLISHED MARCH 30, 1926.

214,352. CANNED VEGETABLES, PARTICULARLY CANNED PEAS, CANNED STRING AND STRINGLESS BEANS. H. C. BAXTER & BROTHER, Brunswick, Me.
Filed December 31, 1925. Serial No. 225,343. PUBLISHED APRIL 6, 1926.

214,353. FACE AND COMMON BRICK. DES MOINES CLAY COMPANY, Des Moines, Iowa.
Filed January 2, 1926. Serial No. 225,402. PUBLISHED MARCH 9, 1926.

214,354. BRICKS, SLABS, BLOCKS, AND PARTITIONS. MATZ BUILDING PRODUCTS CORPORATION, Detroit, Mich.
Filed January 2, 1926. Serial No. 225,437. PUBLISHED MARCH 9, 1926.

214,355. FIELD SEEDS AND LAWN-SEED MIXTURES. THE ATLANTIC SEED COMPANY, INC., Philadelphia, Pa.
Filed January 4, 1926. Serial No. 225,462. PUBLISHED MARCH 9, 1926.

214,356. FIELD SEEDS AND LAWN-SEED MIXTURES. THE ATLANTIC SEED COMPANY, INC., Philadelphia, Pa.
Filed January 4, 1926. Serial No. 225,463. PUBLISHED MARCH 9, 1926.

214,357. SHOCK ABSORBERS. THE BURWELL CORPORATION, Sharon, Pa.
Filed January 4, 1926. Serial No. 225,466. PUBLISHED MARCH 9, 1926.

214,358. PETROLEUM OIL BURNERS. PETROLEUM HEAT & POWER CO., New York, N. Y.
Filed January 4, 1926. Serial No. 225,489. PUBLISHED MARCH 9, 1926.

214,359. FINISHED GOATSKINS, CALFSKINS, AND COWHIDE. HERMANN LOEWENSTEIN, New York, N. Y.
Filed January 6, 1926. Serial No. 225,563. PUBLISHED MARCH 16, 1926.

214,360. COAL. THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo.
Filed January 8, 1926. Serial No. 225,674. PUBLISHED MARCH 16, 1926.

214,361. CANNED VEGETABLES. IDAHO CANNING CO., LTD., Payette, Idaho.
Filed January 9, 1926. Serial No. 225,716. PUBLISHED APRIL 6, 1926.

214,362. TEMPERATURE-CONTROL DEVICES FOR WATER HEATERS—NAMELY, THERMOSTATICALLY-CONTROLLED VALVES AND PARTS THEREOF. BASTIAN-MORLEY CO., Laporte, Ind.
Filed January 13, 1926. Serial No. 225,864. PUBLISHED MARCH 30, 1926

214,363. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed February 11, 1926. Serial No. 227,154. PUBLISHED APRIL 6, 1926.

214,364. STUCCO, COMPOSITION FLOORING, MAGNESIA FLOORING, INTERIOR MAGNESIA, INTERIOR PLASTER OF ALL KINDS, EXTERIOR PLASTER OF ALL KINDS, COMPOSITION SHINGLES, TILE, AND COMPOSITION ROOFING. FRANKLYN R. MULLER, INC., Waukegan, Ill.
Filed August 28, 1924. Serial No. 201,971. PUBLISHED MARCH 9, 1926.

214,365. CERTAIN NAMED BUILDERS' MATERIALS. THE MASTER BUILDERS COMPANY, Cleveland, Ohio.
Filed February 6, 1925. Serial No. 209,169. PUBLISHED MARCH 16, 1926.

214,366. CERTAIN HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,425. PUBLISHED APRIL 6, 1926.

214,367. CERTAIN DENTAL, MEDICAL, AND SURGICAL APPLIANCES. BAKELITE CORPORATION, New York, N. Y.
Filed October 28, 1925. Serial No. 222,432. PUBLISHED APRIL 6, 1926.

214,368. SERVIETTES. THOMAS PRODUCTS, INC., Boston, Mass.
Filed November 24, 1925. Serial No. 223,822. PUBLISHED MARCH 16, 1926.

214,369. CERTAIN METAL PARTS FOR DESKS. THE CLEMETSEN COMPANY, Chicago, Ill.
Filed December 23, 1925. Serial No. 225,073. PUBLISHED MARCH 9, 1926.

214,370. MATRIX PAPER. THE EATON-DIKEMAN CO., Lee, Mass.
Filed February 20, 1926. Serial No. 227,575. PUBLISHED APRIL 6, 1926.

214,371. EXTERIOR MAGNESITE STUCCO, COMPOSITION FLOORING, INTERIOR PLASTER, AND DASHES, WHICH ARE FINELY-CRUSHED STONE TO BE DASHED ON STUCCO BEFORE IT HAS SET TO GIVE IT AN ATTRACTIVE APPEARANCE OR FINISH. THE FLINT-ROCK STUCCO COMPANY, Ingomar, Ohio.
Filed January 28, 1924. Serial No. 191,377. PUBLISHED APRIL 6, 1926.

214,372. OLIVE OIL. ESPOSITO BROS., New York, N. Y.
Filed June 28, 1924. Serial No. 199,277. PUBLISHED APRIL 6, 1926.

214,373. OLIVE OIL. ESPOSITO BROS., New York, N. Y.
Filed June 28, 1924. Serial No. 199,278. PUBLISHED APRIL 6, 1926.

214,374. STATUETTES. OLD KING COLE, INC., Canton, Ohio.
Filed December 8, 1924. Serial No. 206,431. PUBLISHED APRIL 6, 1926.

214,375. BRICK. THE CANTON BRICK AND FIREPROOFING CO., New Philadelphia, Ohio.
Filed December 22, 1924. Serial No. 207,066. PUBLISHED APRIL 6, 1926.

214,376. CARPET LINER, FELT, AND FELT PIECES. REYNOLDS FELT COMPANY INCORPORATED, Binghamton, N. Y.
Filed January 20, 1925. Serial No. 208,362. PUBLISHED APRIL 6, 1926.

214,377. COMPOSITION SHINGLES. THE RICHARDSON COMPANY, Lockland, Ohio.
Filed January 30, 1925. Serial No. 208,870. PUBLISHED APRIL 6, 1926.

214,378. OLIVE OIL. TRIESTE IMPORTING CO., INC., New York, N. Y.
Filed August 14, 1925. Serial No. 218,883. PUBLISHED APRIL 6, 1926.

214,379. AIR-CONDITIONING APPARATUS AND COOLING AND VENTILATING SYSTEMS. ARCTIC NU-AIR COOLING & VENTILATING COMPANY, Chicago, Ill.
Filed September 2, 1925. Serial No. 219,654. PUBLISHED APRIL 6, 1926.

214,380. BICYCLE SADDLES, FOOT PEDALS, VEHICLE SPRINGS, BRAKES, REAR-VISION MIRRORS. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed September 8, 1925. Serial No. 219,941. PUBLISHED MARCH 9, 1926.

214,381. FRESH MELONS—NAMELY, CANTALOUPES; FRESH VEGETABLES — NAMELY, TOMATOES. FLOYD W. WHITNEY, Ysleta, Tex.
Filed September 21, 1925. Serial No. 220,586. PUBLISHED APRIL 6, 1926.

214,382. TAXICABS. CABCO SALES CORPORATION, New York, N. Y.
Filed September 25, 1925. Serial No. 220,757. PUBLISHED MARCH 16, 1926.

214,383. WORK SHIRTS, PANTS, AND OVERALLS. JOSEPH M. HAGGAR, Dallas, Tex.
Filed October 1, 1925. Serial No. 221,056. PUBLISHED MARCH 16, 1926.

214,384. BUTTER. A/S L. E. BEUUN, Copenhagen, Denmark.
Filed October 2, 1925. Serial No. 221,089. PUBLISHED MARCH 2, 1926.

214,385. COOL FURNACES. OAKLAND FOUNDRY COMPANY, Belleville, Ill.
Filed October 3, 1925. Serial No. 221,197. PUBLISHED MARCH 16, 1926.

214,386. BAR CANDY. ALLEN-QUALLEY COMPANY, St. Paul, Minn.
Filed October 14, 1925. Serial No. 221,686. PUBLISHED APRIL 6, 1926.

214,387. SHOCK ABSORBER FOR MOTOR VEHICLES. GEMCO MANUFACTURING COMPANY, Milwaukee, Wis.
Filed November 4, 1925. Serial No. 222,787. PUBLISHED MARCH 16, 1926.

214,388. CHOCOLATES. ROCKWOOD & CO., New York, N. Y.
Filed February 12, 1926. Serial No. 227,249. PUBLISHED APRIL 6, 1926.

214,389. COAL, CARBONIZED FUEL, AND COKE. THE POWHATAN MINING COMPANY, Cleveland, Ohio.
Filed February 4, 1926. Serial No. 226,864. PUBLISHED MARCH 30, 1926.

214,390. HIDES, SKINS, LEATHER, LEATHER STRIPS, LEATHER BLOCKS, LEATHER BENDS, AND LEATHER BLANKS. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed February 4, 1926. Serial No. 226,861. PUBLISHED MARCH 30, 1926.

214,391. HIDES, SKINS, LEATHER, LEATHER STRIPS, LEATHER BLOCKS, LEATHER BENDS, AND LEATHER BLANKS. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed February 2, 1926. Serial No. 226,784. PUBLISHED MARCH 30, 1926.

214,392. BRICK. ALABAMA CLAY PRODUCTS COMPANY, Birmingham, Ala.
Filed January 30, 1926. Serial No. 226,621. PUBLISHED MARCH 30, 1926.

214,393. BRICK. ALABAMA CLAY PRODUCTS COMPANY, Birmingham, Ala.
Filed January 30, 1926. Serial No. 226,620. PUBLISHED MARCH 30, 1926.

214,394. SOLE LEATHER. ENGLAND-WALTON COMPANY, Boston, Mass.
Filed January 27, 1926. Serial No. 226,480. PUBLISHED MARCH 30, 1926.

214,395. CANNED CORN, PUMPKIN, AND TOMATOES. ST. PAUL CANNING CO., St. Paul, Ind.
Filed January 26, 1926. Serial No. 226,448. PUBLISHED APRIL 6, 1926.

214,396. LACQUERS, LACQUER ENAMELS, AND LACQUER THINNERS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y.
Filed January 22, 1926. Serial No. 226,236. PUBLISHED MARCH 23, 1926.

214,397. ARTIFICIAL-SILK WASTE, ALSO KNOWN AS RAYON WASTE. E. W. DUTTON INC., New York, N. Y.
Filed January 20, 1926. Serial No. 226,133. PUBLISHED MARCH 30, 1926.

214,398. CRUSHED WHITE ROCK, CRUSHED DOLOMITE, CRUSHED MARBLE, AND CRUSHED SILICATE. CHAMBERLAIN COMPANY, INC., Los Angeles, Calif.
Filed January 20, 1926. Serial No. 226,128. PUBLISHED MARCH 30, 1926.

214,399. BRICKS. BRAZIL CLAY COMPANY, Brazil, Ind.
Filed January 18, 1926. Serial No. 226,039. PUBLISHED MARCH 30, 1926.

214,400. MEDICINE FOR THE TREATMENT OF HOG CHOLERA. ARNOLD W. BOHDE, Fort Wayne, Ind.
Filed January 18, 1926. Serial No. 226,038. PUBLISHED MARCH 30, 1926.

214,401. ELECTRICAL INSULATION BOARDS, PANELS, BLOCKS, RODS, BARS, TUBES, KNOBS, HANDLES, AND WASHERS. THE PANELYTE BOARD COMPANY, Trenton, N. J.
Filed December 21, 1923. Serial No. 189,987. PUBLISHED MARCH 23, 1926.

214,402. CLOCKS. THE E. INGRAHAM COMPANY, Bristol, Conn.
Filed September 10, 1925. Serial No. 220,070. PUBLISHED MARCH 9, 1926.

214,403. RECORDS FOR PHONOGRAPH INSTRUMENTS AND THE LIKE. ORIENTAL MUSIC SHOP, INC., doing business as Oriental Record and Talking Machine Co., New York, N. Y.
Filed September 28, 1925. Serial No. 220,913. PUBLISHED MARCH 16, 1926.

214,404. ELECTRICAL FANS. UNITED ELECTRICAL MFG. CO., Adrian, Mich.
Filed October 8, 1925. Serial No. 221,464. PUBLISHED DECEMBER 15, 1925.

214,405. ELECTRIC DECORATIVE LIGHTING OUTFITS FOR CHRISTMAS TREES AND THE LIKE. UNITED STATES ELECTRIC MANUFACTURING CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,649. PUBLISHED MARCH 23, 1926.

214,406. ELECTRIC DECORATIVE LIGHTING OUTFITS FOR CHRISTMAS TREES AND THE LIKE. UNITED STATES ELECTRIC MANUFACTURING CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,650. PUBLISHED MARCH 23, 1926.

214,407. FASTENING DEVICES, MADE OF OR PLATED WITH PRECIOUS METAL, FOR PROTECTING WATCHES FROM LOSS AND THEFT. WILLIAM P. TALBOT, doing business as Eclipse Products Company, New York, N. Y.
Filed October 15, 1925. Serial No. 221,789. PUBLISHED MARCH 23, 1926.

4,408. BAKERY PRODUCTS—NAMELY, BREAD, CAKES, BISCUITS, WAFERS, AND CRACKERS. A/S SÆTRE KJEKSFABRIK AKTIESELSKAP, Oslo, Norway.
Filed November 4, 1925. Serial No. 222,801. PUBLISHED MARCH 30, 1926.

214,409. POWER-DRIVEN THREADING AND PIPE-WORKING TOOLS AND MACHINES AND PARTS THEREOF. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 3, 1925. Serial No. 224,201. PUBLISHED APRIL 13, 1926.

214,410. PETROLEUM PRODUCTS—NAMELY, OILS FOR BURNING AND ALL LUBRICATING PURPOSES, MOTOR AND FUEL OILS, GASOLINE, AND LUBRICATING GREASES. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed December 11, 1925. Serial No. 224,553. PUBLISHED MARCH 30, 1926.

214,411. WEDDING RINGS. BLANCARD & CO., INC., Newark, N. J.
Filed January 16, 1926. Serial No. 225,993. PUBLISHED MARCH 23, 1926.

214,412. FINGER RINGS. BLANCARD & CO., INC., Newark, N. J.
Filed January 16, 1926. Serial No. 225,994. PUBLISHED MARCH 23, 1926.

214,413. INTERNAL-COMBUSTION-ENGINE FUELS. MITCHEL OIL COMPANY OF NEW JERSEY, Kearny, N. J.
Filed January 21, 1926. Serial No. 226,204. PUBLISHED MARCH 23, 1926.

214,414. SILVER HOLLOW WARE. BERNARD RICE'S SONS, INC., New York, N. Y.
Filed January 22, 1926. Serial No. 226,223. PUBLISHED MARCH 23, 1926.

214,415. RADIO VACUUM TUBES. UNITED RADIO & ELECTRIC CORPORATION, Newark, N. J.
Filed February 1, 1926. Serial No. 226,747. PUBLISHED MARCH 30, 1926.

214,416. CANDY. THE HARTLOVE CANDY COMPANY, Ashland, Ky.
Filed February 8, 1926. Serial No. 227,015. PUBLISHED MARCH 23, 1926.

214,417. STRAIGHTEDGE-FORMING ATTACHMENTS FOR SPRAY GUNS. SPRACO PAINTING EQUIPMENT COMPANY, Boston, Mass.
Filed February 19, 1926. Serial No. 227,539. PUBLISHED APRIL 13, 1926.

214,418. GASOLINE, KEROSENE, LUBRICATING OILS, AND GREASES. CORRECT MOTOR FUELS, INC., Alton, Ill.
Filed February 23, 1926. Serial No. 227,633. PUBLISHED MARCH 30, 1926.

214,419. PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, FUEL OIL, AND PETROLEUM DISTILLATE. H. K. STAHL COMPANY, St. Paul, Minn.
Filed September 8, 1925. Serial No. 219,998. PUBLISHED MARCH 23, 1926.

214,420. ELECTRICALLY-OPERATED VACUUM CLEANERS. FRANK H. STEWART ELECTRIC CO., Philadelphia, Pa.
Filed July 22, 1925. Serial No. 217,741. PUBLISHED MARCH 30, 1926.

214,421. ELECTRICAL TRANSFORMERS FOR RADIO USE. KARAS ELECTRIC COMPANY, Chicago, Ill.
Filed June 29, 1925. Serial No. 216,607. PUBLISHED MARCH 23, 1926.

214,422. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF. HARDMAN, PECK & CO., New York, N. Y.
Filed April 15, 1925. Serial No. 212,734. PUBLISHED MARCH 23, 1926.

214,423. TEXTILE CARPETS. BIGELOW-HARTFORD CARPET COMPANY, Clinton, Mass., Thompsonville, Conn., and New York, N. Y.
Filed March 20, 1925. Serial No. 211,324. PUBLISHED APRIL 13, 1926.

214,424. VACUUM TUBE FOR USE IN RADIO APPARATUSES. ALEXANDER N. PIERMAN, Newark, N. J.
Filed March 18, 1925. Serial No. 211,224. PUBLISHED MAY 26, 1925.

214,425. GASOLINE. RICHARDSON LUBRICATING COMPANY, Quincy, Ill.
Filed March 9, 1925. Serial No. 210,755. PUBLISHED MARCH 9, 1926.

214,426. GASOLINE. RICHARDSON LUBRICATING COMPANY, Quincy, Ill.
Filed March 9, 1925. Serial No. 210,754. PUBLISHED MARCH 9, 1926.

214,427. TRANSFORMERS. ALL-AMERICAN RADIO CORPORATION, Chicago, Ill.
Filed February 27, 1925. Serial No. 210,210. PUBLISHED MARCH 30, 1926.

214,428. SOLID-GOLD ARTICLES—NAMELY, BRACELETS, BIB HOLDERS, NECKLACES, PINS, FINGER RINGS, EARRINGS, AND NAPKIN RINGS. FRANK LEBRON, New York, N. Y.
Filed February 21, 1925. Serial No. 209,997. PUBLISHED MARCH 23, 1926.

214,429. RADIO RECEIVING SETS AND PARTS THEREOF. W-K ELECTRIC COMPANY, Kenosha, Wis.
Filed February 7, 1925. Serial No. 209,264. PUBLISHED JUNE 23, 1925.

214,430. LUBRICATING OIL USED TO ELIMINATE THE CHATTER IN AUTOMOBILES. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 12, 1925. Serial No. 208,021. PUBLISHED APRIL 7, 1925.

214,431. DRY BATTERIES. FRENCH BATTERY & CARBON COMPANY, Madison, Wis.
Filed December 19, 1924. Serial No. 206,952. PUBLISHED MARCH 23, 1926.

214,432. VACUUM TUBES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed November 7, 1924. Serial No. 204,987. PUBLISHED MARCH 30, 1926.

214,433. VACUUM TUBES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed November 7, 1924. Serial No. 204,986. PUBLISHED MARCH 30, 1926.

214,434. HOSIERY. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed November 6, 1924. Serial No. 204,944. PUBLISHED MARCH 31, 1925.

214,435. MERCURY-VAPOR ARC LAMPS AS SOURCES OF LIGHT FOR INDUSTRIAL AND PHOTOGRAPHIC PURPOSES. COOPER HEWITT ELECTRIC COMPANY, Hoboken, N. J.
Filed October 1, 1924. Serial No. 203,259. PUBLISHED MARCH 30, 1926.

214,436. RADIOAMPLIFIERS, RADIOSILENCERS, RADIOCONDENSERS, RADIO RECEIVING SETS AND PARTS THEREFOR. PFANSTIEHL RADIO SERVICE COMPANY, Highland Park, Ill.
Filed September 4, 1924. Serial No. 202,221. PUBLISHED MARCH 23, 1926.

214,437. PHONONGRAPHS, PIANOS, VIOLINS, CELLOS, VIOLAS, BASSES, MANDOLINS, GUITARS, BANJOS, LUTES, AND BUGLES, TRUMPETS, TROMBONES, FLUTES, CLARINETS, OBOES, FAGOTTOS, AND SAX-TUBAS, MUSICAL BOXES, ORGANS, AND HARMONIUMS. HEINRICH KÜCHENMEISTER, Berlin, Germany.
Filed August 5, 1924. Serial No. 200,993. PUBLISHED MARCH 9, 1926.

214,438. METALLIC DIMMER SHADES FOR AUTOMOBILE HEADLIGHTS. ANDREW CHLPKA, doing business as A. Chlpka & Son, Lackawanna, N. Y.
Filed December 4, 1925. Serial No. 224,236. PUBLISHED MARCH 9, 1926.

214,439. COAL. NEW PITTSBURGH COAL COMPANY, Columbus, Ohio.
Filed November 5, 1925. Serial No. 222,864. PUBLISHED MARCH 9, 1926.

214,440. CLAY PREPARATION USED AS A SURFACE COVERING. H. A. ROGERS CO., Minneapolis, Minn.
Filed November 7, 1925. Serial No. 222,996. PUBLISHED MARCH 16, 1926.

214,441. PARTITION TILES. TEXAS CEMENT PLASTER CO., Plasterco, Tex., and Oklahoma City, Okla.
Filed November 7, 1925. Serial No. 223,001. PUBLISHED MARCH 30, 1926.

214,442. CANDY, MORE SPECIFICALLY CANDY OBJECTS REPRESENTING GOLF BALLS AND GOLF-CLUB HEADS, THE LATTER BEING CARRIED BY STICKS TO REPRESENT GOLF CLUBS, THE GOLF CLUBS ARE THE CANDY SUCKERS. AL BOWEN, Portland, Oreg.
Filed November 12, 1925. Serial No. 223,160. PUBLISHED APRIL 6, 1926.

214,443. MEN'S AND BOYS' SUITS. L. KUPPERMAN & Co., New York, N. Y.
Filed November 24, 1925. Serial No. 223,792. PUBLISHED APRIL 6, 1926.

214,444. CANNED FISH, SPECIFICALLY CANNED SARDINES. IWAN BURGER, INC., New York, N. Y.
Filed December 4, 1925. Serial No. 224,233. PUBLISHED APRIL 6, 1926.

214,445. CANNED FISH, SPECIFICALLY CANNED SARDINES. IWAN BURGER, INC., New York, N. Y.
Filed December 4, 1925. Serial No. 224,234. PUBLISHED APRIL 6, 1926.

214,446. WATERPROOF FABRIC. J. C. HAARTZ CO., New Haven, Conn.
Filed December 9, 1925. Serial No. 224,456. PUBLISHED MARCH 16, 1926.

214,447. ROOFING TILES. THE HAWTHORNE ROOFING TILE COMPANY, Cicero, Ill.
Filed December 9, 1925. Serial No. 224,459. PUBLISHED MARCH 9, 1926.

214,448. SOUND-ABSORBING PLASTER. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed December 19, 1925. Serial No. 224,917. PUBLISHED MARCH 9, 1926.

214,449. OIL BURNERS. COTTONWOOD FIBER COMPANY, St. Louis, Mo.
Filed December 21, 1925. Serial No. 224,958. PUBLISHED MARCH 30, 1926.

214,450. FLY RIBBON, FLY PAPER, FLY TAPE, AND FLY SWATTERS. R. E. TONGUE & BROS. CO., INC., Philadelphia, Pa.
Filed December 23, 1925. Serial No. 225,066. PUBLISHED MARCH 9, 1926.

214,451. AUTOMATIC WINDOW-DISPLAY FIGURES. REINHOLD G. KOCH, New York, N. Y.
Filed June 19, 1925. Serial No. 216,052. PUBLISHED MARCH 9, 1926.

214,452. BOILERS AND COAL FURNACES. HART & CROUSE COMPANY, Utica, N. Y.
Filed June 20, 1925. Serial No. 216,098. PUBLISHED MARCH 16, 1926.

214,453. CERTAIN NAMED FOOD PRODUCTS. SAMUEL KUNIN & SONS, Chicago, Ill.
Filed August 10, 1925. Serial No. 218,646. PUBLISHED MARCH 30, 1926.

214,454. FUEL-BURNING DEVICES, AND MORE SPECIFICALLY FOR AUTOMATICALLY-CONTROLLED OIL BURNERS FOR HOUSE INSTALLATION. W. B. WILDE CO., Peoria, Ill.
Filed August 10, 1925. Serial No. 218,678. PUBLISHED MARCH 16, 1926.

214,455. ANTHRACITE BRIQUETTES. THE ST. CLAIR COAL COMPANY, Scranton, Pa.
Filed August 14, 1925. Serial No. 218,880. PUBLISHED OCTOBER 27, 1925.

214,456. CERTAIN NAMED TOILET PREPARATIONS. ANNA HELEN ARLT, Brooklyn, N. Y.
Filed September 1, 1925. Serial No. 219,615. PUBLISHED MARCH 16, 1926.

214,457. AUTOMOBILE HEATERS. EDMUND BURKE, Minneapolis, Minn.
Filed September 3, 1925. Serial No. 219,714. PUBLISHED MARCH 16, 1926.

214,458. MALT SIRUP FOR FOOD PURPOSES. SAMUEL STONE, doing business as Home Rule Products Company, Cleveland, Ohio.
Filed September 5, 1925. Serial No. 219,918. PUBLISHED MARCH 30, 1926.

214,459. BICYCLE SADDLES, FOOT PEDALS, VEHICLE SPRINGS, BRAKES, REAR-VISION MIRRORS. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed September 8, 1925. Serial No. 219,940. PUBLISHED MARCH 9, 1926.

214,460. NONGLARE ATTACHMENT FOR AUTOMOBILE WINDSHIELDS. EDGAR GARSON, Hollywood, Calif.
Filed September 16, 1925. Serial No. 220,300. PUBLISHED FEBRUARY 23, 1926.

214,461. LUMBER. WEITZEL FLOORING CORPORATION, Philadelphia, Pa.
Filed December 30, 1925. Serial No. 225,334. PUBLISHED MARCH 9, 1926.

214,462. LUMBER. WEITZEL FLOORING CORPORATION, Philadelphia, Pa.
Filed December 30, 1925. Serial No. 225,335. PUBLISHED MARCH 9, 1926.

214,463. FERTILIZER MANUFACTURED AND COMPOUNDED FOR USE IN THE GROWING OF HOUSE PLANTS AND PLANTS IN POTS AND OTHER RECEPTACLES. ALBERT DICKMAN, Philadelphia, Pa.
Filed March 4, 1926. Serial No. 228,089. PUBLISHED APRIL 13, 1926.

214,464. STOVE DAMPERS AND SPINDLES THEREFOR. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill.
Filed January 21, 1926. Serial No. 226,213. PUBLISHED MARCH 30, 1926.

214,465. OIL STOVES, OIL BURNERS, AND WICKS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 15, 1926. Serial No. 225,981. PUBLISHED MARCH 30, 1926.

214,466. REAR-VISION MIRROR FOR AUTOMOBILES. WOOLWORTH CHEMICAL COMPANY, Lititz, Pa., also doing business as K-D Manufacturing Company, Lancaster, Pa.
Filed January 9, 1926. Serial No. 225,753. PUBLISHED APRIL 13, 1926.

214,467. PULVERIZED MINERALS—VIZ, GROUND, PULVERIZED, POWDERED, AND PREPARED TALC. INTERNATIONAL PULP CO., New York, N. Y.
Filed January 9, 1926. Serial No. 225,717. PUBLISHED MARCH 16, 1926.

214,468. AUTOMOBILES. RIEPLING AUTOMOBILE COMPANY, St. Louis, Mo.
Filed December 21, 1925. Serial No. 224,988. PUBLISHED MARCH 16, 1926.

214,469. CEMENT. A/S. DALEN PORTLAND-CEMENTFABRIK, Brevik, Norway.
Filed November 4, 1925. Serial No. 222,784. PUBLISHED APRIL 6, 1926.

214,470. DOMESTIC AND FOREIGN HARDWOOD AND SOFT-WOOD LUMBERS. CADWALLADER-GIBSON LUMBER CO., Manila, P. I., and San Francisco, Calif.
Filed August 3, 1925. Serial No. 218,288. PUBLISHED MARCH 30, 1926.

214,471. DOMESTIC AND FOREIGN HARDWOOD AND SOFT-WOOD LUMBERS. CADWALLADER-GIBSON LUMBER CO., Manila, P. I., and San Francisco, Calif.
Filed August 3, 1925. Serial No. 218,287. PUBLISHED MARCH 30, 1926.

214,472. BICYCLES, PARTS THEREOF, ACCESSORIES THEREFOR, AND SUNDRIES RELATING THERETO (NOT TIRES). DES MOINES CYCLE CO., Des Moines, Iowa.
Filed May 27,1925. Serial No. 214,948. PUBLISHED APRIL 6, 1926.

214,473. MIXERS FOR USE IN FURNACES FOR FACILITATING THE CONSUMPTION OF COAL GAS. PRESTON KENNEDY, Binghamton, N. Y.
Filed December 10, 1923. Serial No. 189,461. PUBLISHED MARCH 16, 1926.

214,474. INKING RIBBONS AND CARBON PAPER. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed March 15, 1926. Serial No. 228,666. PUBLISHED APRIL 27, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

214,475. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOSS ROSE MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 23, 1925. Serial No. 216,278.

WALDEN DRAPERY

Particular description of goods.—Drapery Fabrics of Cotton and Artificial Silk.
Claims use since April, 1925.

214,476. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FLORIDA BEVERAGE SYRUP COMPANY, INC., Tampa, Fla. Filed June 18, 1925. Serial No. 215,973.

King Grape

Particular description of goods.—Nonalcoholic, Maltless Beverages and Sirups for Making the Same.
Claims use since Mar. 20, 1925.

214,477. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EMORY C. PERRY, doing business as C. A. Boyle & Company, Chicago, Ill. Filed June 9, 1925. Serial No. 215,531.

"VERDI"

Particular description of goods.—Green Duck, which is a Chemically-Treated Duck.
Claims use since Jan. 1, 1913.

214,478. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD, Washington, D. C. Filed June 3, 1925. Serial No. 215,278.

STANDARD

Particular description of goods.—Lumber, Dressed or Rough.
Claims use since Apr. 17, 1925.

214,479. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed May 29, 1925. Serial No. 215,098.

TYROLIAN VOILE

Particular description of goods.—Silk and Cotton Goods in the Piece.
Claims use since May 1, 1925.

214,480. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed May 1, 1925. Serial No. 213,631.

WORTH OF PARIS

Particular description of goods.—Compacts, Refills, Toilet Powder, Powder Sachet, and Dusting Powders.
Claims use since Mar. 14, 1924.

214,481. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 29, 1925. Serial No. 213,495.

WORTH

Particular description of goods.—Compacts, Refills, Toilet Powders, Powder Sachet, and Dusting Powders.
Claims use since Mar. 10, 1924.

214,482. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 22, 1925. Serial No. 213,130.

WORTH OF PARIS

Particular description of goods.—Cologne, Cologne Waters, and Extracts.
Claims use since Mar. 14, 1924.

214,483. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JEWELL ELECTRICAL INSTRUMENT CO., Chicago, Ill. Filed Feb. 16, 1925. Serial No. 209,670.

TUBE CHECKER

Particular description of goods.—Devices for Determining the Characteristics of Radio Vacuum Tubes.
Claims use since Aug. 15, 1924.

214,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925. Serial No. 212,796.

WORTH

Particular description of goods.—Cologne, Cologne Waters, and Extracts.
Claims use since Mar. 10, 1924.

214,485. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) REED AND BRYAN, INC., New York, N. Y. Filed Jan. 6, 1925. Serial No. 207,760.

Peerless Bunting

Particular description of goods.—Bunting in the Piece.
Claims use since Jan. 1, 1917.

214,486. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GEORGE SCHNEIDER AND COMPANY, Brooklyn, N. Y. Filed Apr. 28, 1926. Serial No. 230,848.

FOR "GOODNESS" SAKE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Apr. 1, 1921.

214,487. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GEORGE SCHNEIDER AND COMPANY, Brooklyn, N. Y. Filed Apr. 28, 1926. Serial No. 230,849.

DELICIOUS TO THE LAST DROP

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Apr. 1, 1921.

214,488. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN HOIST & DERRICK CO., St. Paul, Minn. Filed May 7, 1926. Serial No. 231,231.

AMERICAN CANE SLING

Particular description of goods.—Cane Slings—Viz, Apparatus for Handling Sugar Cane.
Claims use for not less than one year.

214,489. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROANOKE MILLS COMPANY, Roanoke Rapids, N. C. Filed May 8, 1926. Serial No. 231,346.

HOPEWELL

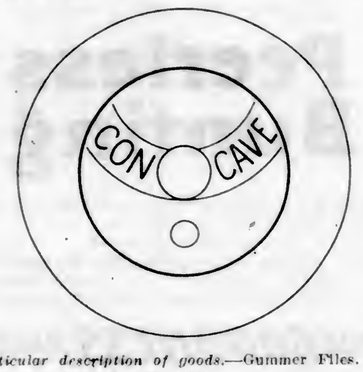
Particular description of goods.—Woven Cotton Fabrics, Including Cotton Flannels.
Claims use since August, 1923.

214,490. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OHMER FARE REGISTER COMPANY, Dayton, Ohio. Filed Apr. 5, 1926. Serial No. 229,692.

OHMER FARE REGISTER CO.

Particular description of goods.—Taximeters.
Claims use since 1902.

214,491. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SMITH-NEWMAN MFG. CO., McDonough, Ga. Filed May 8, 1926. Serial No. 213,350.



Particular description of goods.—Gummer Files.
Claims use since August, 1914.

214,492. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RACINE RUBBER COMPANY, Racine, Wis. Filed Apr. 3, 1926. Serial No. 229,643.

PATCH-IT

Particular description of goods.—Repair Packages for Inner Tubes, Rubber Boots, Garden Hose, and Other Like Articles.
Claims use since on or about Jan. 1, 1918.

214,493. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OHMER FARE REGISTER COMPANY, Dayton, Ohio. Filed Apr. 5, 1926. Serial No. 229,691.

POPP

Particular description of goods.—Taximeters.
Claims use since 1913.

214,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE W. DURKEE, doing business as E. R. Durkee & Co., Elmhurst, N. Y. Filed Mar. 25, 1926. Serial No. 229,169.

KOOKEEZY

Particular description of goods.—Tapioca.
Claims use since November, 1913.

214,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KERR CHEMICAL COMPANY, Danbury, Conn. Filed Mar. 24, 1926. Serial No. 229,112.

KERR'S FLAX-SEED EMULSION

Particular description of goods.—Remedies for Coughs, Colds, Bronchitis, and for Strengthening Agents, for Those Recovering from Wasting Diseases.
Claims use since Aug. 31, 1910.

214,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY LAVIN, Canton, Ohio. Filed Mar. 16, 1926. Serial No. 228,711.

Lavin's Prague-Hansa Pickling Salt

Particular description of goods.—Pickling Salt, a Preparation Used in the Curing of Meat.
Claims use since Aug. 15, 1924.

214,497. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN SAFETY DEVICE COMPANY, doing business as The Patent Scaffolding Co., New York, N. Y. Filed Mar. 6, 1926. Serial No. 228,215.

THE PATENT SCAFFOLDING CO.

Particular description of goods.—Ladders and Scaffolding.
Claims use since Feb. 1, 1909.

214,498. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed Mar. 1, 1926. Serial No. 227,949.

UNUSUALLY GOOD

Particular description of goods.—Ready-Mixed Paints and Paint Enamels.
Claims use since December, 1906.

214,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "PARFISE", INC., New York, N. Y. Filed Feb. 26, 1926. Serial No. 227,848.

Grenoville

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, Lotion for the Face and Hands, Eau de Cologne, Cold Cream, Rouge, Brilliantine, and Dentifrices.
Claims use since Apr. 1, 1912.

214,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORACE M. B. MACK, doing business as Mack The Coffee Man, Lancaster, Pa. Filed Oct. 3, 1925. Serial No. 221,183.

PENNSYLVANIA SPECIAL

Particular description of goods.—Coffee.
Claims use since Jan. 2, 1910.

214,501. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CLICQUOT CLUB COMPANY, Millis, Mass. Filed Sept. 24, 1925. Serial No. 220,702.

Clicquot Club Sec

Particular description of goods.—Ginger Ale, a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirup for Making Same.
Claims use since May 15, 1925.

214,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed May 16, 1925. Serial No. 214,450.

MASCARA CREPE

Particular description of goods.—Silk Piece Goods.
Claims use since May 1, 1925.

214,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed May 9, 1925. Serial No. 214,044.

WILDMINT

Particular description of goods.—Hard Candy and Chewing Gum.
Claims use since June, 1919, in respect to hard candy, and since May 7, 1925, in respect to chewing gum.

214,504. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WALLERUNN, KLING & CO., Chicago, Ill. Filed Mar. 20, 1925. Serial No. 211,396.

MODELROC

Particular description of goods.—A Plastic Modeling Compound Made with an Oil Base and Suitable for Molding Relief Decorations on Picture Frames and the Like.
Claims use since Jan. 2, 1925.

214,505. (CLASS 39. CLOTHING.) JOHN SHANNON & SON LTD., Walsall and London, W. I., England. Filed Feb. 27, 1922. Serial No. 159,893.

JOHN SHANNON'S ENGLISH CLOTHES

Particular description of goods.—Men's Lounge Suits, Dress Suits, Dinner Suits, Sport Suits, Linen Golf Knickerbockers and Trousers, Topcoats, Overcoats, Ulsters, Dress Overcoats, Mackintoshes, and Riding Clothes; Boys' Suits, Coats, Overcoats, Trousers, Riding Clothes, Sport Suits, and Mackintoshes; Women's and Girls' Suits, Dresses, Overcoats, Overskirts, Ulsters, Mackintoshes, and Sport Suits.
Claims use since Jan 10, 1921.

214,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GREAT GRIMSBY TEXTILE COMPANY, INC., New York, N. Y. Filed Apr. 30, 1926. Serial No. 230,913.

St. Albans

Particular description of goods.—Woolens in the Piece.
Claims use since June, 1924.

214,507. (CLASS 32. FURNITURE AND UPHOLSTERY.) MUTSCHLER BROTHERS COMPANY, Nappanee, Ind. Filed Apr. 28, 1926. Serial No. 230,835.

LAFLAT

Particular description of goods.—Kitchen Tables.
Claims use since Mar. 2, 1922.

214,508. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CYRUS B. MCAULEY, doing business as The Automatic Sash Holder Company, Kansas City, Mo. Filed Apr. 19, 1926. Serial No. 230,404.

BUSBY PERFECT AUTOMATIC SASH HOLDERS

AUTOMATIC SASH HOLDER CO.

Without waiving any rights whatsoever the exclusive use of the words "Sash Holders" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Window-Sash Holders and Window-Sash-Holder Parts.

Claims use since Jan. 15, 1924.

214,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER MAGGINI, doing business as Columbia Specialty Co., Newark, N. J. Filed Apr. 17, 1926. Serial No. 230,341.

Particular description of goods.—Medicated Sherry.

Claims use since June 10, 1922.

214,510. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OHMER FARE REGISTER COMPANY, Dayton, Ohio. Filed Apr. 3, 1926. Serial No. 229,693.

OHMER

Particular description of goods.—Taximeters.

Claims use since 1924.

214,511. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STANDARD FURNACE AND SUPPLY COMPANY, Omaha, Nebr. Filed Sept. 13, 1925. Serial No. 220,428.

Nesbit moist heat

Particular description of goods.—Hot-Air Furnaces Such As Used for Heating Homes and Storerooms.

Claims use since June 15, 1911.

214,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBROSIA CONCEPCIÓN BASTIDA SOLANO (VDA DE DOROTEO MORENO), Calaho, Spain. Filed May 23, 1925. Serial No. 214,830.

MORENO BRAND

Particular description of goods.—Preserved Fruits.

Claims use since January, 1914.

214,513. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed May 16, 1925. Serial No. 214,449.

TALAVERA SATIN

Particular description of goods.—Silk Piece Goods.

Claims use since May 1, 1925.

214,514. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARRON R. CHISHOLM, doing business as A. R. Chisholm Co., East Orange, N. J. Filed Apr. 12, 1926. Serial No. 230,015.

KLEAN E-Z

Particular description of goods.—Suspensory Bandages.

Claims use since November, 1919.

214,515. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CENTRAL POCAHONTAS COAL COMPANY, Welch, W. Va. Filed Apr. 9, 1926. Serial No. 229,900.

PERRINE

Particular description of goods.—Coal.

Claims use since Jan. 1, 1921.

214,516. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NASH ENGINEERING COMPANY, South Norwalk, Conn. Filed Apr. 8, 1926. Serial No. 229,871.

JENNINGS

Particular description of goods.—Sewage Ejectors, Bilge Pumps, Sump Pumps, Turbines, Turbine Engines, Boiler Feed Pumps, Vacuum Heating Pumps, Condensation Pumps, Check Valves Used As Part of the Pump Unit.

Claims use since May 1, 1918.

214,517. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOUTHERN SAW WORKS, Atlanta, Ga. Filed Apr. 2, 1926. Serial No. 229,597.

SUPERFINE
QUALITY BRAND

Particular description of goods.—Circular Saws for Cutting Wood and Metal; Circular Knives for Cutting Cork, Leather, Paper, Cloth, Candy, Meat, and Similar Matters; and Saw Bits and Saw Shanks.

Claims use since May, 1923.

214,518. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ABRAM COX COMPANY, Philadelphia, Pa. Filed Apr. 2, 1926. Serial No. 229,546.

NON-RUST

Particular description of goods.—Gas Ranges and Tank Heaters.

Claims use since August, 1924.

214,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN H. BETZ, doing business as Betz Packing Company, Los Angeles, Calif. Filed Apr. 2, 1926. Serial No. 229,536.

BETZ-PACK

Particular description of goods.—Fresh Fruits—Namely, Apples, Lemons, Oranges, and Peaches.

Claims use since January, 1923.

214,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR GARFEIN, New York, N. Y. Filed Mar. 16, 1926. Serial No. 228,693.

Garfein's

Particular description of goods.—Chicken Fat, Roast Chicken, Cakes, Pies, Breads, Rolls.

Claims use since 1915.

214,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HASSENDEUBEL GROCERY COMPANY, St. Louis, Mo. Filed Feb. 20, 1926. Serial No. 227,581.

Cedar Hill

Particular description of goods.—Canned Fruits—Namely, Apples, Apple Sauce, Peaches, Pears, Apricots, Pineapples, Plums, Fruit Salad, Cherries, and Grapefruit; Canned Berries—Namely, Blackberries, Loganberries, Raspberries, and Strawberries; Canned Vegetables—Namely, Spinach, Succotash, Sweet Potatoes, Tomatoes, Asparagus, Beans, Beets, Cabbage, Corn, Hominy, Okra, Peas, Pumpkin, Pork and Beans, and Sauerkraut; Canned Sea Food—Namely, Lobsters, Crab Meat, Tunny, Salmon, Sardines, Shrimp, and Oysters; Condensed Milk, Canned Soup, Canned Chile Con Carne; Sirup, Corn and Maple; Pickles, Canned Spaghetti, Jam, Jellies, Peanut Butter; Dried Fruits—Namely, Apricots, Apples, Peaches; Rolled Oats and Corn Flakes; Condiments—Namely, Mustard, Vinegar, Catchup, Chili Sauce, and Canned Peppers.

Claims use since July 3, 1924.

214,522. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed May 16, 1925. Serial No. 214,448.

MADURA SATIN

Particular description of goods.—Silk Piece Goods.

Claims use since May 1, 1925.

TRADE-MARK REGISTRATIONS RENEWED

52,414. MACHINERY PACKING. Registered May 8, 1906. CHAS. A. DANIEL, Philadelphia, Pa. Renewed May 8, 1926, to Quaker City Rubber Company, Wissinoming, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

52,822. RUBBER BELTING. Registered May 15, 1906. SPECK, MARSHALL & Co. Renewed May 15, 1926, to Speck-Marshall Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

53,383. PIANOS. Registered June 5, 1906. EMERSON PIANO COMPANY, Boston, Mass. Renewed June 5, 1926, to Emerson Piano Co., Norwalk, Ohio, a Corporation of Illinois.

53,799. LEATHER BOOTS AND SHOES. Registered June 12, 1906. W. L. DOUGLAS SHOE Co., Portland, Me. Renewed June 12, 1926, to W. L. Douglas Shoe Company, Brockton, Mass., a Corporation of Massachusetts, assignee.

53,800. LEATHER BOOTS AND SHOES. Registered June 12, 1906. W. L. DOUGLAS SHOE Co., Portland, Me. Renewed June 12, 1926, to W. L. Douglas Shoe Company, Brockton, Mass., a Corporation of Massachusetts, assignee.

54,110. PREPARATIONS FOR CLEANSING AND PRESERVING THE TEETH AND MOUTH. Registered June 19, 1906. K. K. LANDESPRIV. MILLY-KERZEN-, SEIFEN- UND GLYCERIN-FABRIK VON F. A. SARG'S SOHN & Co., Vienna and Liesing, Austria-Hungary. Renewed June 19, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

54,305. SAWS. Registered June 26, 1906. J. N. EBERLE & Co. Renewed June 26, 1926, J. N. Eberle & Cie., Aktiengesellschaft, Augsburg-Pfersee, Germany, a Joint-Stock Company of Germany, successor.

55,488. HATS. Registered August 14, 1906. YOUNG BROTHERS, New York, N. Y., a Corporation of New York. Renewed August 14, 1926.

55,834. SALAD DRESSING. Registered August 21, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,836. SIRUP. Registered August 21, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,882. CERTAIN NAMED BEVERAGES. Registered August 21, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

55,896. SKIN FOOD AND MASSAGE CREAM. Registered August 21, 1906. J. D. MCCANN Co., Hornellsville, N. Y. Renewed August 21, 1926, to J. D. McCann Co., Rochester, N. Y., a Corporation of New York.

55,956. HAM AND BACON. Registered August 21, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 21, 1926.

56,026. HAIR RESTORATIVES. Registered August 21, 1906. S. R. VAN DUZER, New York, N. Y. Renewed August 21, 1926.

56,181. TEA. Registered August 28, 1906. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 28, 1926.

56,482. BALL BLUE AND WASH BLUE. Registered September 25, 1906. THE HELLER & MERZ Co., Newark, N. J., and New York, N. Y. Renewed September 25, 1926, to The Heller & Merz Co., Newark, N. J., a Corporation of New Jersey.

56,558. CERTAIN NAMED CUTLERY. Registered October 9, 1906. GEORGE WOSTENHOLM & SON, LIMITED, Sheffield, England, and New York, N. Y. Renewed October 9, 1926, to George Wostenholm & Son, Limited, Sheffield, England, a Corporation of Great Britain.

56,744. ADVERTISING WINDOW DISPLAY CARDS. Registered October 16, 1906. ARNOLD BINGER, New York, N. Y. Renewed October 16, 1926.

56,782. DETERGENT POLISH. Registered October 16, 1906. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y., a Corporation of New York. Renewed October 16, 1926.

56,816. LUBRICATING OILS. Registered October 23, 1906. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed October 23, 1926.

56,887. CERTAIN NAMED CHEMICALS. Registered October 23, 1906. BRUNNER, MOND & Co., LIMITED, Winnington, Northwich, England, a Corporation of Great Britain. Renewed October 23, 1926.

56,951. BUTTER. Registered October 30, 1906. ROBERT M. BURNETT, Southborough, Mass. Renewed October 30, 1926, to Deerfoot Company, Inc., Wilmington, Del., a Corporation of Delaware, assignee.

56,956. MEAT-CHOPPING MACHINES AND MEAT PRESSES. Registered October 30, 1906. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed October 30, 1926.

57,014. WRITING AND DRAWING PAPERS. Registered October 30, 1906. RICHARD JAMES BALSTON. Renewed October 30, 1926, to W. & R. Balston, Limited, Springfield Mill, Maidstone, England, a Corporation of Great Britain, assignee.

57,015. WRITING AND DRAWING PAPERS. Registered October 30, 1906. RICHARD JAMES BALSTON. Renewed October 30, 1926, to W. & R. Balston, Limited, Springfield Mill, Maidstone, England, a Corporation of Great Britain, assignee.

57,081. COAL AND COKE. Registered October 30, 1906. OLIN J. STEPHENS. Renewed October 30, 1926, to Stephens Fuel Company, Inc., New York, N. Y., a Corporation of New York, assignee.

57,135. CANNED FRUITS AND VEGETABLES. Registered November 6, 1906. THE BOOTH PACKING COMPANY. Renewed November 6, 1926, to Gibbs & Company, Incorporated, Baltimore, Md., a Corporation of Maryland, assignee.

57,136. CANNED FRUITS AND VEGETABLES. Registered November 6, 1906. BOOTH PACKING COMPANY. Renewed November 6, 1926, to Gibbs & Company, Incorporated, Baltimore, Md., a Corporation of Maryland, assignee.

57,144. DRESS SHIELDS. Registered November 6, 1906. I. B. KLEINERT RUBBER COMPANY. Renewed November 6, 1926, to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York, successor.

57,575. OYSTERS AND SHRIMP. Registered November 13, 1906. AUGHINBAUGH CANNING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed November 13, 1926.

LABELS

REGISTERED JUNE 22, 1926.

30,513.—*Title:* RESTWELL LINE. For Mattresses. AMERICAN MATTRESS WORKS INC., New Orleans, La. Published April 10, 1926.

30,514.—*Title:* FISHER. For Whisky. BALTIMORE DISTILLING COMPANY, Baltimore, Md. Published January 5, 1924.

30,515.—*Title:* VUPACK MAILING CARD. For Souvenir Mailing Cards. JAMES C. BARDELL, doing business as Bardell Art Painting Co., Oakland, Calif. Published March 10, 1926.

30,516.—*Title:* DATE LOAF. For Candy. R. T. BLANTON, Sweetwater, Tex. Published April 15, 1926.

30,517.—*Title:* BORDEN'S CHALLENGE BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published April 19, 1926.

30,518.—*Title:* STANDARD GENERATOR BRUSHES. For Generator Brushes. GEORGE D. GRANT, doing business as Grant's Electric Laboratory, Salem, Mass. Published April 15, 1926.

30,519.—*Title:* SUMMER AND WINTER SLEEP-RITE MATTRESS. For Mattresses. WILLIAM L. GRAPP, Minneapolis, Minn. Published October 19, 1925.

30,520.—*Title:* MCCORMACK-DEERING CREAM SEPARATOR OIL. For Oil. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Published May 1, 1926.

30,521.—*Title:* COUNTRY CLUB. For Bacon Squares. KROGER GROCERY & BAKING Co., Cincinnati, Ohio. Published December 22, 1921.

30,522.—*Title:* LA GREIDE'S NIPIGON BAIT AND FLY LINE DRESSING. For Bait and Fly Line Dressing. NELSON H. LA GREIDE, doing business as The Transferoid Company, Owatonna, Minn. Published April 22, 1926.

30,523.—*Title:* RAINBOW REFLECTS QUALITY. For Malt Sirup. CHARLES G. MCCAFFREY, Pittsburgh, Pa. Published May 24, 1926.

30,524.—*Title:* THURSTON. For Canned Pears. OLYMPIA CANNING COMPANY, Olympia, Wash. Published May 1, 1926.

30,525.—*Title:* HOUSEHOLD. For Apples. OLYMPIA CANNING COMPANY, Olympia, Wash. Published May 1, 1926.

30,526.—*Title:* PARKS. For Hosiery. PARKS HOSIERY MILLS, INC., Asheboro, N. C. Published September 10, 1925.

30,527.—*Title:* ROSE. For Fresh Grapes. SANGER FRUIT GROWERS ASS'N., Sanger, Calif. Published February 11, 1926.

30,528.—*Title:* DR. SCHOLL'S FOOT REST. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 2, 1916.

30,529.—*Title:* DR. SCHOLL'S 400 ARCH. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 2, 1924.

30,530.—*Title:* DR. SCHOLL'S UP-LIFT. For Arch Supports. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 5, 1916.

30,531.—*Title:* DR. SCHOLL'S DIGITO BUNION APPLIANCE. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 5, 1916.

30,532.—*Title:* DR. SCHOLL'S TOE-FLEX. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published May 1, 1915.

30,533.—*Title:* DR. SCHOLL'S TOE SEPARATOR. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 10, 1916.

30,534.—*Title:* DR. SCHOLL'S NU-GRIP HEEL LINER. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 2, 1917.

30,535.—*Title:* DR. SCHOLL'S WALK-STRATE HEEL PADS. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 10, 1919.

30,536.—*Title:* DR. SCHOLL'S HEEL CUSHION. For Foot-Corrective Appliances. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published January 3, 1916.

30,537.—*Title:* CANDIBRAN. For a Laxative. WALTER A. SHOALES, Plymouth, N. Y. Published March 1, 1926.

30,538.—*Title:* TABLE MOUNTAIN. For Canned Ripe Olives. WYANDOTTE OLIVE GROWERS ASSOCIATION, Oroville, Calif. Published April 2, 1926.

PRINTS

REGISTERED JUNE 22, 1926.

8,906.—*Title:* THERE IS NO 'SUBSTITUTE' FOR COMFORT! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 26, 1926.

8,907.—*Title:* LES PASTELS COTY. For Rouges. COTY, INC., Wilmington, Del., and New York, N. Y. Published April 29, 1926.

8,908.—*Title:* LES PASTELS COTY. For Rouges. COTY, INC., Wilmington, Del., and New York, N. Y. Published May 10, 1926.

8,909.—*Title:* ELDRIDGE BUICK REBUILT CARS. For Built-Over Motor Cars. ELDRIDGE-BUICK COMPANY, Seattle, Wash. Published March 30, 1926.

8,910.—*Title:* THE APPROVED WAYSIDE STATIONS INC. AN ENDLESS CHAIN OF SUPERIOR SERVICE. For Candy, Refreshments, and Cigars. FRED D. GRIGGS, Springfield, Mass. Published February 1, 1926.

8,911.—*Title:* UNUSUAL GIFTS OF GENUINE UTILITY. For Hardware. HAMMACHER, SCHLEMMER & Co., New York, N. Y. Published May 11, 1926.

8,912.—*Title:* 5 IN 1. For a Cleaning and Preserving Polish. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Published April 30, 1926.

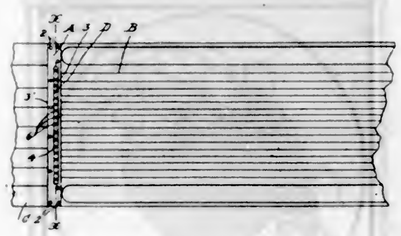
8,913.—*Title:* BANISHES GREY HAIR IN 15 MINUTES. For Hair Colorings. RAP-I-DOL CO., INC., Newark, N. J. Published February 15, 1926.

8,914.—*Title:* COFFEE DIRECT FROM THE PLANTATION. For Coffee. REID, MURDOCH & Co., Chicago, Ill. Published May 4, 1926.

REISSUES

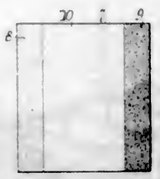
JUNE 22, 1926.

16,365. INDICATOR. AUGUST J. KEMPIEN, St. Paul, Minn. Filed Sept. 17, 1921. Serial No. 501,451. Original application filed Nov. 16, 1914, Serial No. 872,409. Renewed Dec. 22, 1916. Serial No. 138,368. Original No. 1,317,020, dated Sept. 23, 1919. 22 Claims. (Cl. 273—50.)



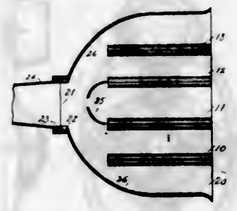
17. In combination with the foul line of a bowling alley including foul indicating means, normally inactive, an actuating mechanism operable at the foul line adapted to indicate a foul only when engaged by an object of a greater area than the contacting surface of a bowling ball.

16,366. STICKER BAND FOR PHOTOGRAPHIC CARTRIDGES. JOHN G. JONES and HAYWOOD G. DEWEY, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 28, 1926. Serial No. 105,304. Original application filed May 24, 1922, Serial No. 563,447. Divided and application filed May 20, 1924, Serial No. 714,747. Original No. 1,575,844, dated Mar. 9, 1926. 3 Claims. (Cl. 24—67.)



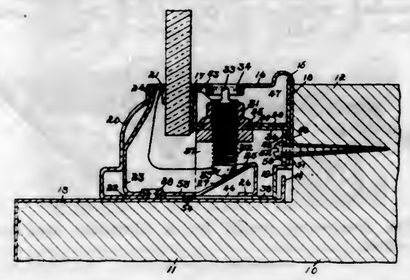
1. A sticker for use in roll film cartridges comprising a strip of flexible material having along one edge a band of adhesive capable of being affected by water and along the opposite edge a band of water proof adhesive material.

16,367. COMPOUND RESONATOR. CHARLES A. VALENTINE, Yonkers, N. Y. Filed Oct. 21, 1920. Serial No. 418,605. Original No. 1,282,500, dated Oct. 22, 1918. Serial No. 132,961, filed Nov. 23, 1916. 3 Claims. (Cl. 181—27.)



1. A device for reproducing sounds, having a chamber adapted to receive sound waves set up by a diaphragm and a base board and wooden vibrators connected with said base board and mounted in said chamber to be acted upon by such sound waves.

16,368. METAL WINDOW SASH. CHARLES G. NELSON, Chicago Heights, Ill., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill., a Corporation of Illinois. Filed May 15, 1926. Serial No. 109,438. Original No. 1,570,702, dated Jan. 26, 1926, Serial No. 756,653, filed Dec. 18, 1924. 11 Claims. (Cl. 20—56.4.)

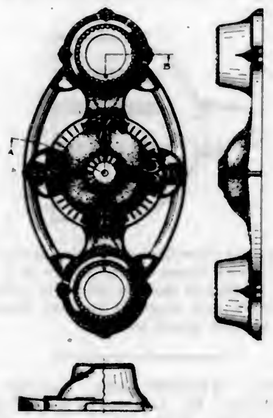


1. In a structure of the class described, a glass-clamping member for one side of a sheet of glass, a draw-bar extending from said member to the other side of the sheet of glass and having a cam surface thereon adjacent its end, a bracket, and a screw passing through a portion of the bracket and engaging said cam surface, the bracket having a portion engaging the draw-bar on the side opposite the cam surface and preventing thrust of the screw against the cam surface from exerting a twisting force on either the bracket or draw-bar.

DESIGNS

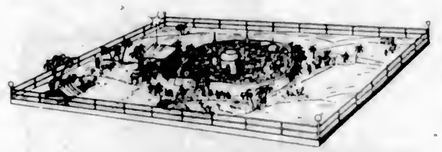
JUNE 22, 1926.

70,396. CEILING LIGHTING FIXTURE. SALLY AIRO, Detroit, Mich., assignor to Lincoln Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 22, 1926. Serial No. 17,007. Term of patent 3½ years.



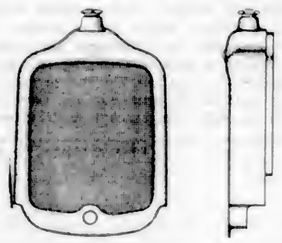
The ornamental design for a ceiling lighting fixture, as shown.

70,397. CHRISTMAS-TREE BASE. WILLIAM T. BEAZLEY, Whitneyville, Conn. Filed Feb. 16, 1926. Serial No. 16,545. Term of patent 3½ years.



The ornamental design for a Christmas tree base as shown.

70,398. AUTOMOBILE RADIATOR. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Mar. 5, 1924. Serial No. 8,828. Term of patent 14 years.

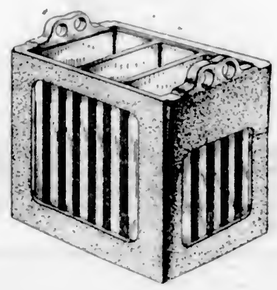


The ornamental design for an automobile radiator as shown.

70,399. TRAIL SIGN. PATRICK W. BRESNAHAN, De Graff, Minn. Filed Mar. 14, 1925. Serial No. 12,723. Term of patent 7 years.

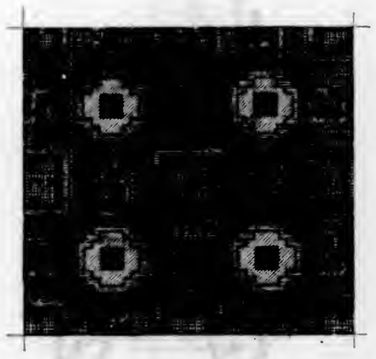
The ornamental design for a trail sign, as shown.

70,400. STORAGE-BATTERY CONTAINER. STANLEY T. CAMPBELL, Euclid Village, Ohio, assignor to The Aetna Rubber Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 16, 1925. Serial No. 13,150. Term of patent 7 years.



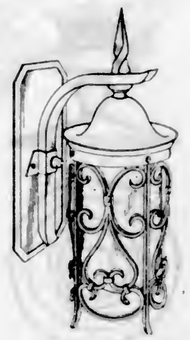
The ornamental design for a storage battery container substantially as shown.

70,401. LINOLEUM OR SIMILAR HARD-SURFACED COVERING. FRANK CARTWRIGHT, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1925. Serial No. 14,653. Term of patent 3½ years.



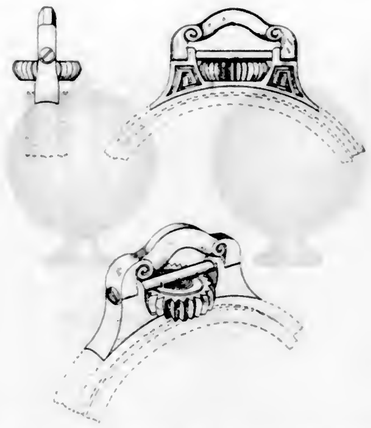
The ornamental design for linoleum, or similar hard surfaced covering, as shown and described.

70,402. COMBINED LANTERN AND BRACKET. JOHN L. CHAPPELL, Los Angeles, Calif., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif., a Partnership composed of J. L. Chappell, B. E. Rieg, and E. B. Williams. Filed Feb. 11, 1926. Serial No. 16,485. Term of patent 3½ years.



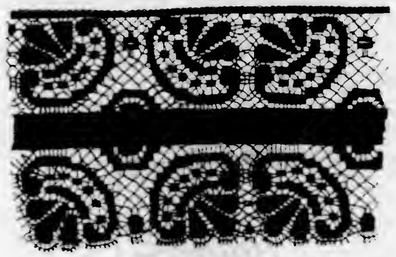
The ornamental design for a combined lantern and bracket, as shown.

70,403. WATCHCASE APPENDAGE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Mar. 11, 1926. Serial No. 16,890 Term of patent 14 years.



The ornamental design for a watchcase appendage, substantially as shown.

70,404. LACE. MARC H. DAUDY, Philadelphia, Pa., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 8, 1926. Serial No. 17,616. Term of patent 3½ years.

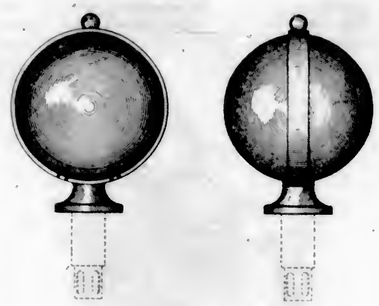


The ornamental design for lace, substantially as shown and described.

70,405. BOX-COVER PAPER OR SIMILAR ARTICLE. JOSEF DORNBUSCH, Crefeld, Germany. Filed Apr. 26, 1926. Serial No. 17,446. Term of patent 7 years.

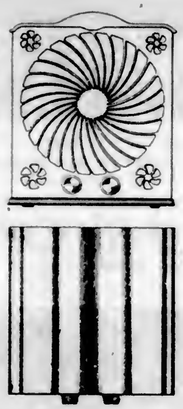
The ornamental design for box cover paper or similar article, as shown

70,406. RADIATOR CAP. THEODORE B. DRESCHER, Rochester, N. Y. Filed Jan. 20, 1923. Serial No. 4,947. Term of patent 3½ years.



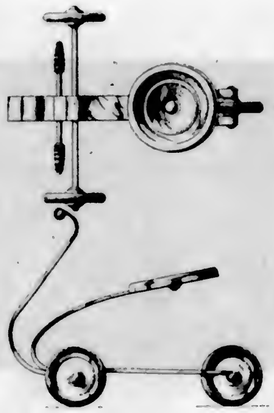
The ornamental design for a radiator cap, as shown.

70,407. WIRED RADIO RECEIVER CABINET. ROBERT D. DUNCAN, Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1926. Serial No. 17,109. Term of patent 14 years.



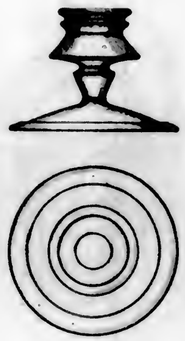
The ornamental design for a wired radio receiver cabinet as shown.

70,408. CHILD'S VEHICLE. ROLLIE B. FAGEOL, Los Angeles, Calif. Filed Apr. 12, 1926. Serial No. 17,254. Term of patent 14 years.



The original design for a child's vehicle as shown.

70,409. CANDLESTICK. FRANK L. FENTON, Williamstown, W. Va., assignor to The Fenton Art Glass Company, Williamstown, W. Va., a Corporation of West Virginia. Filed Mar. 13, 1926. Serial No. 16,905. Term of patent 3½ years.



The ornamental design for a candlestick, as shown.

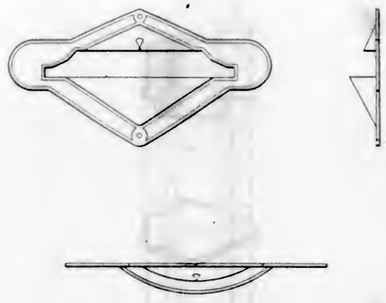
70,410. COMBINED SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed June 24, 1925. Serial No. 13,873. Term of patent 7 years.

The ornamental design for a combined salt and pepper shaker substantially as shown.

70,411. PLATE OR SIMILAR ARTICLE. JOHN EDWARD GOODWIN, Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y., a Corporation of New York. Filed Apr. 29, 1926. Serial No. 17,511. Term of patent 14 years.

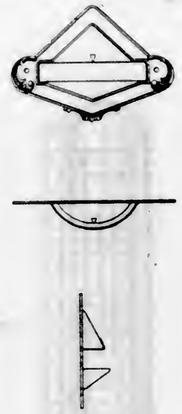
The ornamental design for a plate or similar article as shown and described.

70,412. DIAL ESCUTCHEON FOR RADIO APPARATUS PANELS. ALFRED HENRY GREBE, Hollis, N. Y. Filed Dec. 5, 1924. Serial No. 11,599. Term of patent 7 years.



The ornamental design for a dial escutcheon for radio apparatus panels, as shown.

70,413. DIAL ESCUTCHEON FOR RADIO APPARATUS PANELS. ALFRED HENRY GREBE, Hollis, N. Y. Filed Mar. 6, 1925. Serial No. 12,624. Term of patent 7 years.



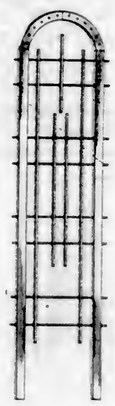
The ornamental design for a dial escutcheon for radio apparatus panels, as shown.

70,414. [WITHDRAWN.]

70,415. HANDLE FOR ELECTRIC SWITCH OR SIMILAR ARTICLE. WILLIAM HENRY HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 6, 1925. Serial No. 12,284. Term of patent 14 years.

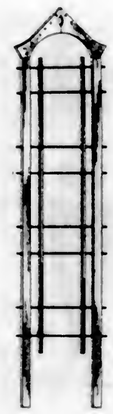
The ornamental design for a handle for electric switch or similar article, as shown.

70,416. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,227. Term of patent 7 years.



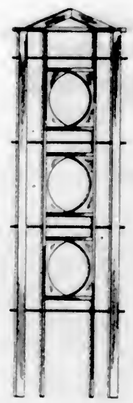
The ornamental design for a vine trellis as shown.

70,417. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,228. Term of patent 7 years.



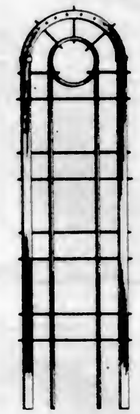
The ornamental design for a vine trellis as shown.

70,418. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,229. Term of patent 7 years.



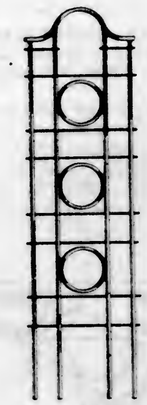
The ornamental design for a vine trellis as shown.

70,419. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,230. Term of patent 7 years.



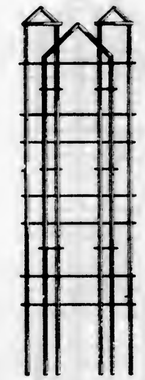
The ornamental design for a vine trellis as shown.

70,420. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,231. Term of patent 7 years.



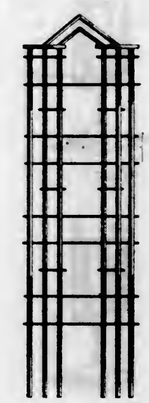
The ornamental design for a vine trellis as shown.

70,421. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,232. Term of patent 7 years.



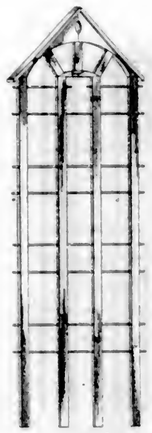
The ornamental design for a vine trellis as shown.

70,422. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,233. Term of patent 7 years.



The ornamental design for a vine trellis as shown.

70,423. VINE TRELLIS. HENRY C. HASS, Forest Park, Ill. Filed Apr. 27, 1925. Serial No. 13,234. Term of patent 7 years.

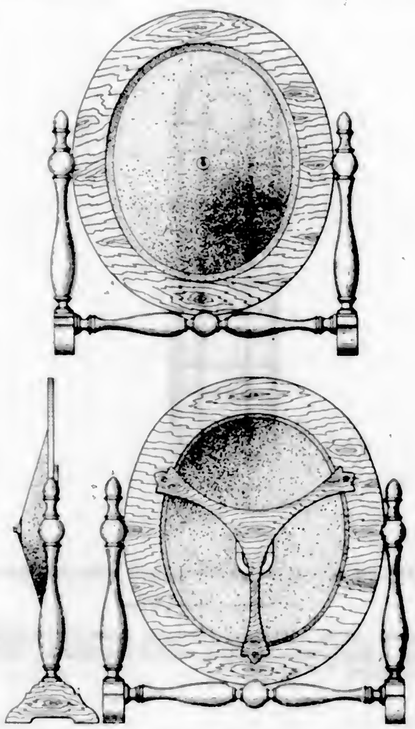


The ornamental design for a vine trellis as shown.

70,424. REVOLVING STREET SIGNAL. CHARLES G. HAYES, Chicago, Ill. Filed May 31, 1923. Serial No. 6,368. Term of patent 7 years.

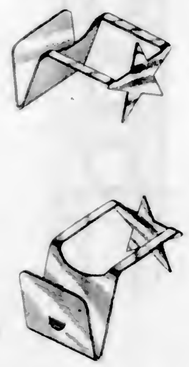
The ornamental design for a revolving street signal, as shown.

70,425. LOUD SPEAKER. MARCUS C. HOPKINS, Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Dec. 22, 1925. Serial No. 15,820. Term of patent 14 years.



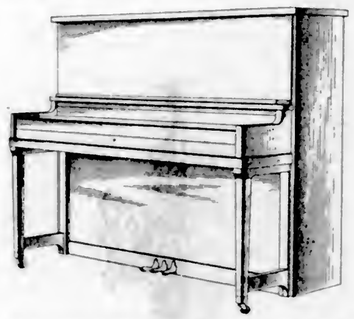
The ornamental design for a loud speaker substantially as shown.

70,426. AUTOMOBILE LIGHT-REFLECTING STAR. CULLEN L. HUNTOON, Los Angeles, Calif. Filed Dec. 8, 1925. Serial No. 15,686. Term of patent 3½ years.



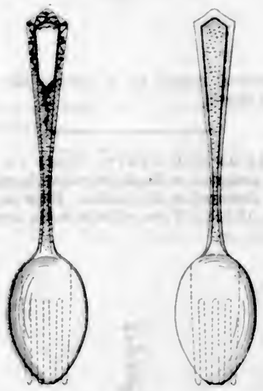
The ornamental design for an automobile light reflecting star, as shown.

70,427. PIANO CASE. JAMES D. HURST, Rockford, Ill., assignor to Schumann Piano Company, Rockford, Ill., a Corporation of Illinois. Filed Feb. 7, 1923. Serial No. 5,106. Term of patent 14 years.



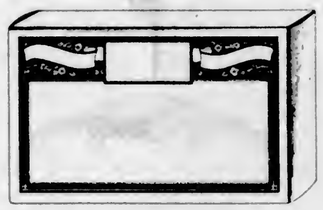
The ornamental design for a piano case, as shown.

70,428. SPOON OR SIMILAR ARTICLE. SIDNEY V. JAMES, Niagara Falls, N. Y., assignor to William A. Rogers, Ltd., Niagara Falls, N. Y., a Corporation of Ontario, Canada. Filed Jan. 30, 1926. Serial No. 16,328. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

70,429. BOX OR SIMILAR CONTAINER. NATHAN KASE, Brooklyn, N. Y., assignor to Kase-Quinby Rubber Company, Inc., a Corporation of New York. Filed Feb. 25, 1926. Serial No. 16,656. Term of patent 7 years.



The ornamental design for a box or similar container substantially as shown.

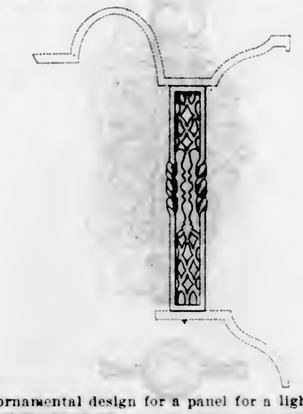
70,430. RADIATOR-CAP ORNAMENT. RICHARD KARKI, Uxbridge, Ontario, Canada. Filed Nov. 30, 1925. Serial No. 15,581. Term of patent 7 years.

The ornamental design for a radiator cap ornament, as shown.

70,431. TOY CAT. KATHERINE LIVINGSTON KELLOGG, New York, N. Y. Filed Jan. 23, 1926. Serial No. 16,236. Term of patent 7 years.

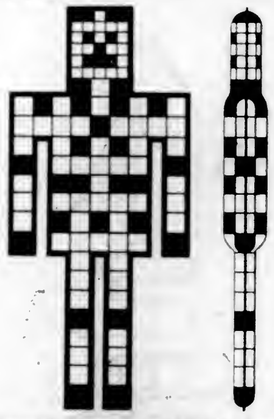
The ornamental design for a toy cat as shown and described.

70,432. PANEL FOR A LIGHTING FIXTURE. EMIL KEMMNY, New York, N. Y., assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1926. Serial No. 17,280. Term of patent 3½ years.



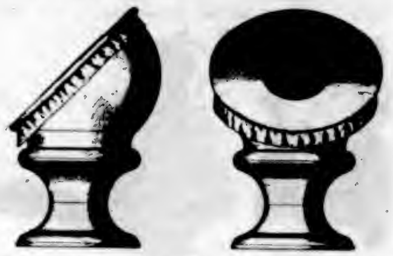
The ornamental design for a panel for a lighting fixture substantially as shown.

70,433. DOLL. EDWIN B. KENNGOTT, Buffalo, N. Y. Filed Feb. 3, 1925. Serial No. 12,250. Term of patent 3½ years.



The ornamental design for a doll, as shown.

70,434. FACE-SPRAYING DEVICE. MARGOT LANDBERG, Chicago, Ill. Filed Jan. 21, 1926. Serial No. 16,203. Term of patent 3½ years.



The ornamental design for a face spraying device, as shown.

70,435. COLUMN FOR LAMPS. TULLY LA TESSA, Chicago, Ill., assignor to Block Portelier Company, Chicago; Ill., a Corporation of Illinois. Filed Apr. 19, 1926. Serial No. 17,336. Term of patent 3½ years.

The ornamental design for a column for lamps substantially as shown.

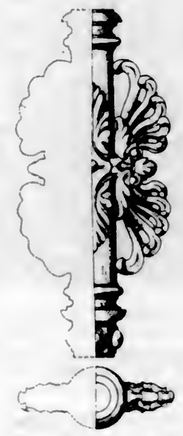
70,436. COLUMN FOR LAMPS. TULLY LA TESSA, Chicago, Ill., assignor to Block Portelier Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1926. Serial No. 17,337. Term of patent 3½ years.

The ornamental design for a column for lamps, substantially as shown.

70,437. COLUMN FOR LAMPS. TULLY LA TESSA, Chicago, Ill., assignor to Block Portelier Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1926. Serial No. 17,338. Term of patent 3½ years.

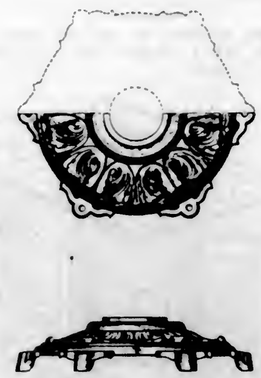
The ornamental design for a column for lamps, substantially as shown.

70,438. COLUMN FOR LAMPS. TULLY LA TESSA, Chicago, Ill., assignor to Block Portelier Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1926. Serial No. 17,339. Term of patent 3½ years.



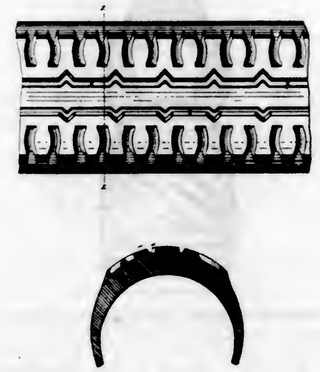
The ornamental design for a column for lamps, substantially as shown.

70,439. LAMP BASE. THOMAS JEFFERSON LEAGUE, Chicago, Ill., assignor to Woodruff & Edwards Co., Elgin, Ill., a Corporation of Illinois. Filed Apr. 17, 1926. Serial No. 17,324. Term of patent 3½ years.



The ornamental design for a lamp base, as shown.

70,440. VEHICLE TIRE TREAD. JOHN E. LORENTZ, Newark, Ohio, assignor to The Pharis Tire & Rubber Company, Newark, Ohio, a Corporation of Ohio. Filed Apr. 24, 1926. Serial No. 17,443. Term of patent 7 years.



The ornamental design for a vehicle tire tread as shown.

70,441. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed Apr. 18, 1925. Serial No. 13,157. Term of patent 14 years.

The ornamental design for a bottle, as shown.

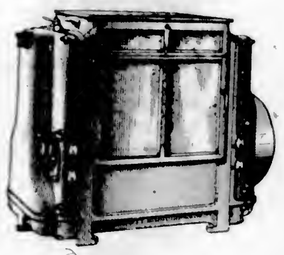
70,442. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed Oct. 30, 1925. Serial No. 15,302. Term of patent 14 years.

The ornamental design for a bottle, as shown.

70,443. BOTTLE. GEORGE N. MAS, Washington, D. C. Filed Oct. 30, 1925. Serial No. 15,303. Term of patent 14 years.

The ornamental design for a bottle, as shown.

70,444. CASING FOR A ROLLING MILL. JAKOB MEZGER, St. Gallen, Switzerland, assignor to the Firm Gebrüder Bühler, Uzwil, Switzerland. Filed Oct. 17, 1924. Serial No. 11,098. Term of patent 14 years.

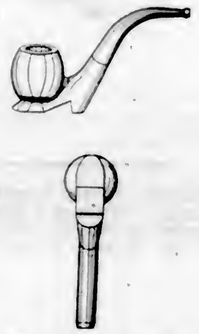


The ornamental design for a casing for a rolling mill, as shown.

70,445. CANDLE. FROSSO MILLIO, Brooklyn, N. Y. Filed Feb. 12, 1926. Serial No. 16,497. Term of patent 3½ years.

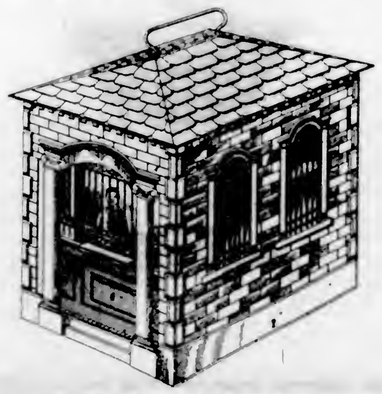
The ornamental design for a candle, as shown.

70,446. TOBACCO PIPE. AARON MONTEKUE, London, England. Filed Mar. 5, 1926. Serial No. 16,804. Term of patent 7 years.



The ornamental design for a tobacco pipe, as shown.

70,447. TOY BANK. WILLIAM MORRISON, Baltimore, Md. Filed Jan. 7, 1924. Serial No. 8,269. Term of patent 3½ years.



The ornamental design for a toy bank as shown.

70,448. LACE. ALBERT E. NEWTON, Providence, R. I. Filed Mar. 24, 1926. Serial No. 17,034. Term of patent 3½ years.

The ornamental design for lace substantially as shown.

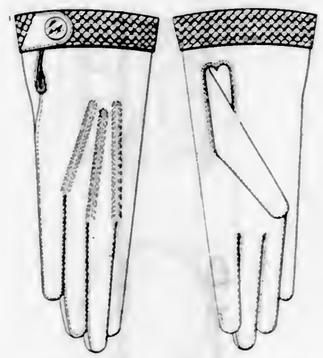
70,449. COMBINED DIRECTION SIGNAL AND STOP LIGHT. JAMES C. NORDGRAN, Salt Lake City, Utah. Filed June 19, 1924. Serial No. 9,900. Term of patent 14 years.

The ornamental design for a combined direction signal and stop light substantially as shown.

70,450. LAMP. ELWOOD C. PHILLIPS, Evanston, Ill. Filed Mar. 15, 1926. Serial No. 16,924. Term of patent 3½ years.

The ornamental design for a lamp as shown.

70,451. GLOVE. LOUIS POSTMAN, New York, N. Y. Filed Mar. 27, 1926. Serial No. 17,079. Term of patent 3½ years.



The ornamental design for a glove as shown.

70,452. INCENSE BURNER. CLAUDE G. PUTNAM, Los Angeles, Calif., and DICK WICK HALL, Salome, Ariz. Filed Feb. 11, 1925. Serial No. 12,351. Term of patent 7 years.

The ornamental design for an incense burner, substantially as shown.

70,453. BUTTON FOR PICTURE OR MIRROR CORD. HENRY ROSENBLATT, New York, N. Y., assignor to Plymouth Novelty Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 2, 1926. Serial No. 16,372. Term of patent 7 years.

The ornamental design for a button for picture or mirror cord as shown.

70,454. NAIL FILE OR SIMILAR ARTICLE. MAX SCHNEPEL, Newark, N. J. Filed Feb. 9, 1921. Serial No. 443,713. Term of patent 7 years.

The ornamental design for a nail file or similar article, as shown.

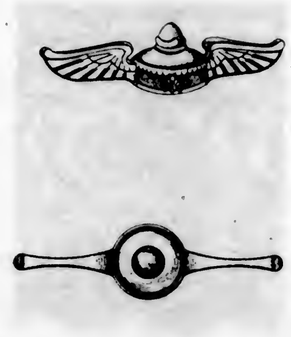
70,455. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a Corporation of Virginia. Filed Dec. 26, 1925. Serial No. 15,861. Term of patent 7 years.

The ornamental design for a radiator cap as shown.

70,456. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 26, 1925. Serial No. 15,862. Term of patent 7 years.

The ornamental design for a radiator cap, as shown.

70,457. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 26, 1925. Serial No. 15,867. Term of patent 7 years.

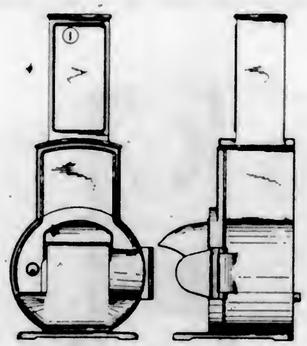


The ornamental design for a radiator cap, substantially as shown.

70,458. EMBROIDERED LACE. HENRY SCHWARBER, Weehawken, N. J. Filed Apr. 24, 1926. Serial No. 17,436. Term of patent 3½ years.

The ornamental design for embroidered lace, as shown.

70,459. CASING FOR SHOE-SHINING MACHINE. HAROLD DAVID THOMAS, New York, N. Y., assignor to Automatic Shoe Shiner Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1923. Serial No. 7,984. Term of patent 3½ years.

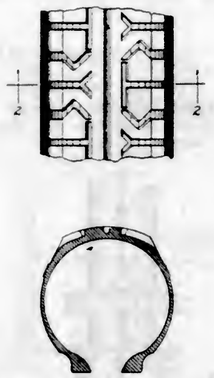


The ornamental design for a casing for shoe shining machine, as shown.

70,460. LANTERN BODY FOR LIGHTING FIXTURES. LESTER R. WELLMAN, Chicago, Ill., assignor to Friedley-Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1925. Serial No. 12,864. Term of patent 7 years.

The ornamental design for a lantern body for lighting fixtures, as shown.

70,461. TIRE. CHARLES P. WILCOX, Chicopee, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1926. Serial No. 16,923. Term of patent 14 years.

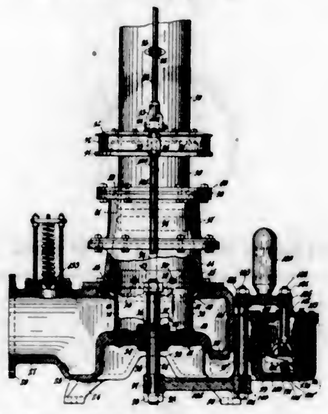


The ornamental design for a tire as shown.

PATENTS

GRANTED JUNE 22, 1926.

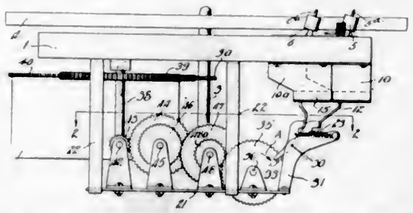
1,589,342. WATER COLUMN. FRANK C. ANDERSON, Cincinnati, Ohio. Filed Feb. 26, 1925. Serial No. 11,768. 24 Claims. (Cl. 137—21.)



4. In a water column, a valve chamber, a valve seating downwardly in said chamber, a spout communicating downwardly with said chamber, a connection extending from said valve through the bottom of said chamber, a beam extending from said connection under said bottom to opposite sides of said chamber, rods extending from said beam up along said sides of said chamber, and operating means for said valve, mounted on said column adjacent to said spout and connected to said rods.

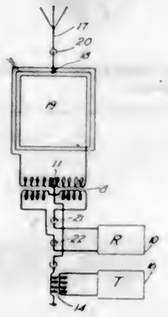
22. In a water column, in combination with an upright conduit, a valve at the bottom of said conduit and a T head at the top of said conduit, having a goose-neck, a spout communicating with said goose-neck, a track element supported on said conduit over said spout, a roller traveling on said element, an adjustable connection between said roller and said spout, and means supported on said T head for supporting said spout to travel with said roller along said track element.

1,589,343. AUTOMATIC BRAKE FOR PHONOGRAPHS. JOSEPH ANDRASSY, Cleveland, Ohio. Filed Jan. 2, 1924, Serial No. 683,960. Renewed May 10, 1926. 6 Claims. (Cl. 192—122.)



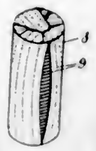
1. A phonograph stop mechanism, comprising a record supporting member, a motor for rotating said member, a plurality of brakes for stopping said member at the expiration of different periods of rotation, actuating means for each of said brakes, means operated by said motor for controlling said actuating means, and means under the control of the operator for rendering either of said brakes effective.

1,589,344. RADIO SIGNALING SYSTEM. MILTON K. AKENS, Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,782. 5 Claims. (Cl. 250—9.)



1. In a radio signaling system, a radio apparatus including separate elements, a rotatable loop antenna comprising a closed metallic path and an open antenna connected thereto, said antennæ having a path in common and means for coupling said elements to said antennæ in conjugate relation to each other.

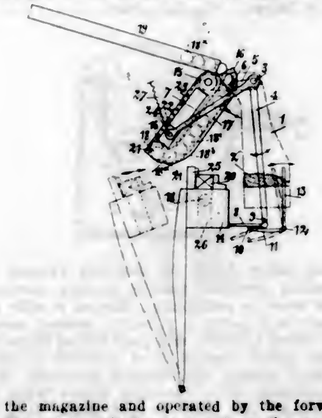
1,589,345. COIN WRAPPER. RALPH E. ANCHORS, Washington, Pa. Filed Jan. 21, 1925. Serial No. 3,823. 4 Claims. (Cl. 133—10.)



2. In a coin wrapper, a sheet to enclose a stack of coins, and projections on the inner face of said sheet to engage with coins of said stack.

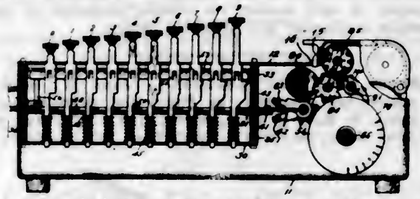
1,589,346. LAY-ACTUATED BOBBIN-CHANGING DEVICE. AUGUSTE ANTOINE, Le Chillot, France. Filed Mar. 28, 1923, Serial No. 628,279½, and in France May 4, 1922. 11 Claims. (Cl. 139—243.)

1. In a loom, a lay, mechanism operative upon a failure of weft, a magazine for cops normally stationary but yieldingly movable into the path of the lay where it will be engaged and operated by the lay during its forward movement, means rendered effective by said mechanism upon a failure of weft for shifting the magazine into the path of the lay, and charging means associated



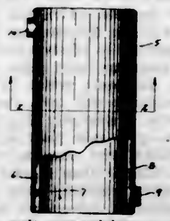
with the magazine and operated by the forward movement thereof for ejecting a cop from the magazine and inserting it into the shuttle box during the forward travel of the magazine and lay.

1,589,347. CALCULATING MACHINE. FRED W. BARKLEY, Winthrop, Mass., assignor to Alberto Barkley, Painted Post, N. Y. Filed Nov. 21, 1919. Serial No. 339,676. 5 Claims. (Cl. 235—79.)



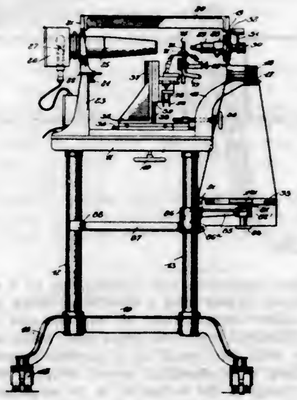
1. In a calculating machine, a setting up mechanism including a slidable gear to be selectively set in any one of a plurality of positions, a cage gear with which the sliding gear cooperates in any position of the latter, a plurality of disks arranged beyond the sliding gear and adapted for manual operation, bars bridging the space between said disks and adapted to cooperate with the slidable gear, said bars being formed with operating projections of progressively less length in the circular plane of the disks, said projections directly engaging the respectively successive teeth of the slidable gear in accordance with the position of such gear.

1,589,348. REFRIGERATING UNIT. EUGENE L. BARNES, Buffalo, N. Y. Filed Sept. 14, 1923. Serial No. 662,741. 1 Claim. (Cl. 62—95.)



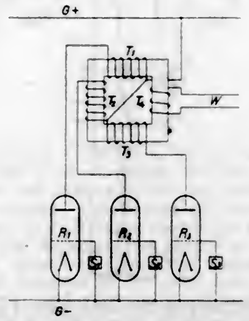
A refrigerating unit comprising a cabinet having a false bottom, a refrigerating cylinder formed with open ends within the cabinet and resting upon the false bottom, insulation between the outer wall of the cabinet and the cylinder, and a metallic plate extending over the top of the insulation and the cylinder.

1,589,349. PROJECTION APPARATUS. CARL L. BAUSCH and WILLIAM L. PATTERSON, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 25, 1921. Serial No. 517,509. 36 Claims. (Cl. 88—24.)



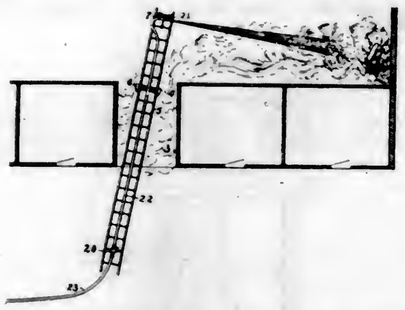
1. A projection apparatus comprising a frame, an optical system thereon provided with condensing and projecting lenses, object supporting means on the frame, said optical system having a pivotal movement as a unit on said frame for projecting a portion of the object in contour, and a screen arranged to receive the projected image.

1,589,350. METHOD OF CONVERTING THE ENERGY TAKEN FROM HIGH-TENSION CONTINUOUS-CURRENT-SUPPLY MAINS INTO ALTERNATING CURRENT. FRIEDRICH BERGTER, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y., a Corporation of New York. Filed May 7, 1921. Serial No. 467,678, and in Sweden Jan. 22, 1921. 1 Claim. (Cl. 175—363.)



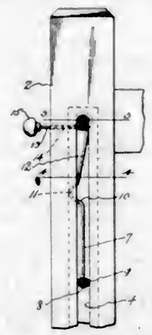
The method of converting current from a D. C. source into alternating current without serious loss of energy which comprises supplying energy from said source through each of the multiple primary coils of an A. C. transformer and causing the energy from each of said coils to flow through a highly evacuated discharge vessel or tube to the other pole of the D. C. system, and varying the grid potential of each tube in relation to the impedance of the primary coil in that branch so as to produce in a single secondary coil inductively coupled to all of the primary coils a resultant sinusoidal current.

1,589,351. FIRE APPARATUS. JACOB B. BLAW, Atlantic City, N. J. Filed Oct. 6, 1924. Serial No. 741,798. 3 Claims. (Cl. 169—25.)



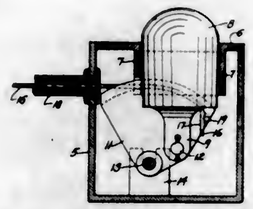
1. In a fire apparatus, the combination of a substantially horizontal ladder with a detachable truck arranged under the ladder intermediate of its ends and whereby it may be balanced upon the truck and freely adjusted horizontally with the truck as a pivotal support, said truck provided with clamping means adapted to be attached to a rung of the ladder so as to be adjustable to different places along its length, a detachable nozzle clamp having means whereby it may be adjustably secured to the rungs of the ladder adjacent to one end thereof and extend upwardly therefrom, and means including a fire nozzle held by the nozzle clamp to provide a stream of water, said clamp being adjustable to position the nozzle to direct the stream in any desired direction, the horizontal ladder together with the fire nozzle being movable over the ground and capable of being extended through a passage to bring the fire nozzle into an ordinarily inaccessible operative position.

1,589,352. CRIB SIDE LATCH. CHARLES H. BOARDMAN, Columbus, Ohio. Filed Mar. 18, 1925. Serial No. 16,556. 1 Claim. (Cl. 5—100.)



The combination with the corner post of a crib having a groove formed therein and having a restricted slot opening thereinto, a latch including a shank adapted to be fixed in the groove, the upper end of the shank terminating in a shoulder adapted to bear against the side wall of the groove, said shoulder terminating in a resilient shank the upper end of which normally engages the wall of the slot to hold said shank obliquely disposed with respect thereto, the upper end of said shank terminating in a finger which extends through the post, a side for the crib having a stud for engaging the finger to hold the side in its closed position, and means for actuating the finger to release the stud.

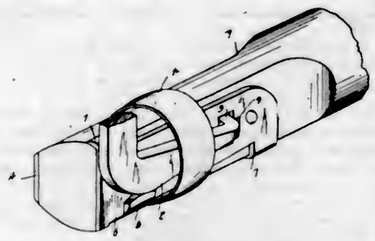
1,589,353. FLOOR PUSH-BUTTON DEVICE FOR PLUMBING. CHARLES A. BOCK and ALBERT GOESTE, New York, N. Y. Filed Mar. 30, 1925. Serial No. 19,422. 18 Claims. (Cl. 137—139.)



14. A push button device for plumbing fixtures, comprising a casing provided with an opening surrounded by a tapered sleeve, a push button adapted to slide within said sleeve as a guide, a rotatable member mounted within said casing to which said push button is pivotally fastened and means adapted to be actuated by the rotation of said member for causing actuation of the flushing mechanism of a plumbing fixture when said button is pressed, the taper of said sleeve being provided to permit swinging of the button as its pivoted end rotates with said member.

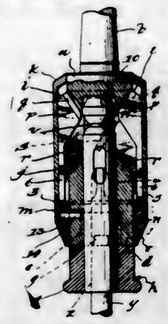
18. A floor push button device comprising, a push button, a casing through which said button is adapted to slide, a rotatable member, having an axle, adapted to be rotated by said button, bearings within said casing formed with U-shaped journals at the bottom of which said axle rests, and means adapted to be actuated by the rotation of said member for causing actuation of the flushing mechanism of a plumbing fixture.

1,589,354. SCYTHE FASTENING. JOHN W. BOREN, Adams, Ind., assignor, by direct and mesne assignments, to Ruby P. Stine, Milroy, Ind. Filed Aug. 9, 1924. Serial No. 731,191. 5 Claims. (Cl. 56—326.4.)



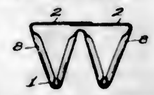
1. In a scythe fastening for detachably fastening to a snath the usual scythe-blade tang having an upturned lug at its free end, the combination of a plate secured to the side of the snath at its blade-receiving end and having a flat surface against which the scythe-blade tang lies, said plate having a plurality of recesses at different transverse positions to receive said upturned lug in any one of said positions, said plate also having near its outer end an abutment which is engaged by the tang-edge on the opposite side from that from which the scythe-blade projects, a clamping ring for engaging said tang to clamp it upon said plate with the tang-edge against said abutment, said clamping ring being of substantially larger diameter than is said snath so that it may be shifted freely therealong when released and may take somewhat different transverse and angular positions thereon to correspond with the different positions of said lug, and a set-screw in said clamping ring for co-operating with the snath opposite to said plate to draw said clamping ring against the tang and to press both the tang and the snath against the plate.

1,589,355. CHUCK. CHALON E. BAIDWELL, Detroit, Mich. Filed Feb. 23, 1923. Serial No. 620,658. 11 Claims. (Cl. 279—65.)



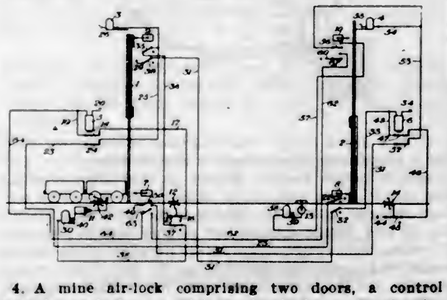
1. A quick change chuck, having in combination a holder provided with a recess to receive a tool and having guideways therein inclined at an angle to the longitudinal axis of said recess, said tool provided with a circumferential groove, a gripping member slidably supported by the holder in said inclined guideways, and a shell slidably supported by the holder and enclosing the same, said shell engaging the gripping member to yieldably project the same into the recess, said gripping member engaged by the tool on the insertion of the tool in the recess and retracted in said guideway to allow the end of the tool to slip by and the gripping member to again engage the groove carried by the tool for securing the tool in the holder.

1,589,356. SCREED HOLDER. GEORGE W. BROOKS, Topeka, Kans. Filed Dec. 10, 1923. Serial No. 679,583. 3 Claims. (Cl. 72—101.)



2. A metal screed holder of skeleton form bent to form a depending body having downwardly-converging sides and normally horizontal arms at the upper ends of the sides and integrally formed therewith and provided with nail-receiving openings.

1,589,357. CONTROL OF DOORS OR GATES FOR MINING AND OTHER PURPOSES. DONALD F. BROWN, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1924, Serial No. 693,406, and in Great Britain Apr. 17, 1923. 17 Claims. (Cl. 246—125.)



4. A mine air-lock comprising two doors, a control relay for each door, a pick-up circuit for each relay including a contact which is closed only when the other door is open, a stick circuit for each relay, and an axle counter for controlling each stick circuit and operated by tubs passing the associated door.

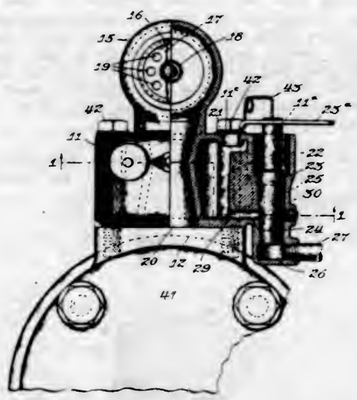
1,589,358. PROCESS OF MAKING OLEFINE OXIDES. JOHN N. BURDICK, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Aug. 7, 1923. Serial No. 656,304. 11 Claims. (Cl. 260—156.5.)

1. Process of making olefine oxides which comprises reacting upon a dilute solution of a chlorhydrin with a strong alkali and removing the olefine oxide as formed.

1,589,359. PROCESS OF MAKING PROPYLENE OXIDES. JOHN N. BURDICK, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Original application filed Aug. 7, 1923, Serial No. 656,304. Divided and this application filed Nov. 14, 1925. Serial No. 69,166. 5 Claims. (Cl. 260—156.5.)

1. Process of making propylene oxide which comprises reacting upon a dilute solution of propylene chlorhydrin with a strong alkali and removing the propylene oxide as formed.

1,589,360. CARBURETOR. LEOPOLD F. BURGER, Riverside, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Original application filed Apr. 22, 1918, Serial No. 230,036. Divided and this application filed May 6, 1921. Serial No. 467,383. 6 Claims. (Cl. 261—18.)

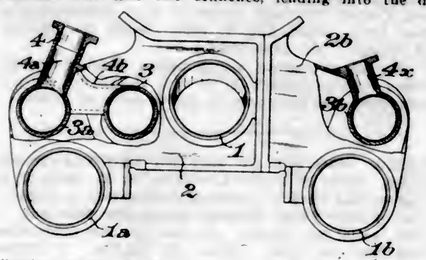


1. In a carburetor for an engine having a water jacket, a vertical Venturi tube extending through the body of the carburetor and adapted to have air discharged downwardly therethrough, a fuel reservoir surrounding the Venturi tube, a fuel valve connected to the reservoir and discharging into the constricted portion of the Venturi tube, and a water valve projecting through the fuel reservoir and connected to the water jacket to receive water therefrom, said water valve also discharging into the constricted portion of the Venturi tube at a point adjacent the fuel valve.

1,589,361. LOCOMOTIVE. HARRY S. BURNHAM, Schenectady, N. Y. Filed Apr. 2, 1924. Serial No. 703,651. 4 Claims. (Cl. 105—44.)

1. In a locomotive, the combination of a right hand saddle casting; a middle cylinder and a side cylinder therein; a left hand saddle casting; a side cylinder therein; distribution valve chests, in the saddles, each adjoining one of the cylinders; a steam inlet passage leading into the distribution valve chest of the left hand

saddle casting; and a steam inlet passage, divided by a partition wall into two branches, leading into the dis-

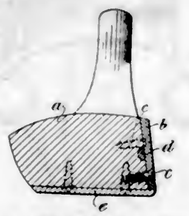


tribution valve chests of the middle cylinder and the side cylinder, respectively, of the right hand saddle casting.

1,589,362. LOCOMOTIVE. HARRY S. BURNHAM, Schenectady, N. Y. Filed Nov. 24, 1925. Serial No. 71,205. 3 Claims. (Cl. 105—44.)

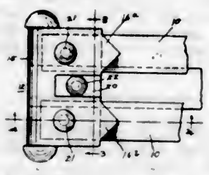
1. In a locomotive, the combination of a middle and two side cylinders; distribution valve chests, each communicating with one of said cylinders; a steam inlet passage, divided into two branches, leading independently to the valve chests of the middle, and of one of the side cylinders; means, located in said steam inlet passage, for affording freer passage of water to the side than to the middle valve chest; and an independent steam inlet passage, leading to the distribution valve chest of the other side cylinder.

1,589,363. GOLF CLUB. CUTHBERT S. BUTCHART, Rye, N. Y. Filed Apr. 18, 1925. Serial No. 24,032. 1 Claim. (Cl. 273—77.)



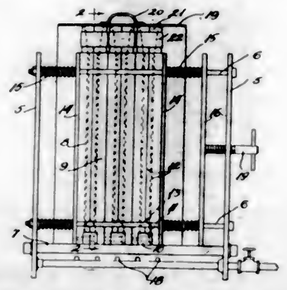
A wood golf club head having a heavy and relatively thick striking plate of heavy metal secured at the striking face, and a separate sole plate of light metal secured on the bottom.

1,589,364. VEHICLE BUMPER. HARRY CAPLAN, Detroit, Mich. Filed June 6, 1925. Serial No. 35,303. 6 Claims. (Cl. 293—55.)



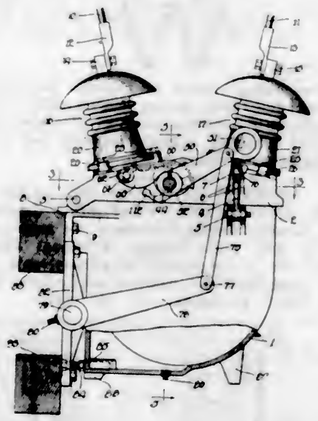
6. An end piece for bumpers comprising a body portion having a longitudinal flange, seats formed by said flange and said body portion, ribs on said flange for separating said seats and end ribs on said flange for defining the outer edges of the outer seats.

1,589,365. MOLD FOR CASTING METAL. PERCY C. CHESTERFIELD, Detroit, Mich., assignor to Chesterfield Metal Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 22, 1923. Serial No. 626,801. 6 Claims. (Cl. 22—92.)



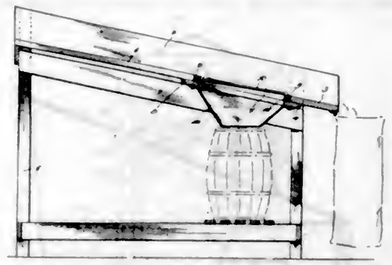
1. A mold for casting metal comprising a pair of uprights, a pair of rods connecting the upper portions of said uprights, a second pair of rods connecting the lower portions of said uprights, a mold comprising two vertical sections adapted to slide vertically between the first pair of rods and to rest upon the second pair of rods and releasable means for holding the two sections of the mold together.

1,589,366. MEANS FOR CONNECTING AND DISCONNECTING ELECTRICAL CIRCUITS. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 18, 1921. Serial No. 470,710. 13 Claims. (Cl. 200—150.)



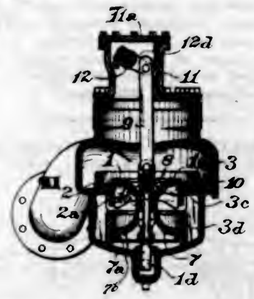
1. In a device of the class described, a casing for holding a liquid bath, a pivot and a contact terminal in said casing, a switch member pivoted to said pivot terminal and movable into and out of engagement with said contact terminal, and means remote from the pivotal mounting of said switch member for moving said member out of engagement with said contact terminal, said means comprising spring means tending to move the switch member out of engagement with the contact terminal, catch means restraining said spring means, and means operable to first release said catch means and free said spring means and thereafter to positively disengage the switch member from the contact terminal in event of failure of said spring means.

1,589,367. POTATO GRADER. CHARLES H. CLARK, Easton, Me. Filed Mar. 27, 1925. Serial No. 18,885. 1 Claim. (Cl. 209—408.)



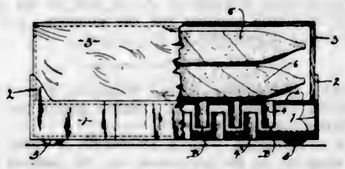
A potato grader comprising a frame having its top inclined throughout its length and comprising an upper slatted portion, a lower imperforate portion and an intermediate open portion, cross bars at the top and bottom of the opening and underlapping the slatted and imperforate portions, respectively, a separating screen in the opening and supported upon the said cross bars, filler plates at the sides of the separating screen, rails at the sides of the slatted, imperforate and screen portions of the frame and converging throughout their length, and a hopper below and opposite the separating screen.

1,589,368. LOCOMOTIVE THROTTLE VALVE. FRANK H. CLARK, New York, N. Y., and ALBERT F. STEUBING, East Orange, N. J. Filed June 15, 1925. Serial No. 37,281. 4 Claims. (Cl. 277—37.)



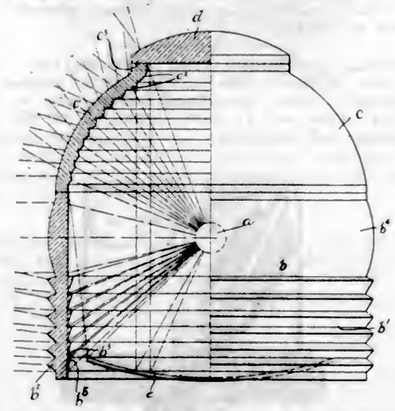
4. The combination of a throttle valve chest, having inlet and outlet passages; a throttle valve, controlling communication between said passages; a stem, on which the throttle valve is mounted, with the capacity of relative movement; a valve, carried on the stem and controlling an opening through the throttle valve; and an adjusting nut, engaging the stem and held against rotation in a squared passage in the valve chest.

1,589,369. HUMIDOR. WILLIAM H. CONNER, Topeka, Kans., assignor to Chas. C. Maddy, Ottumwa, Iowa. Filed Jan. 26, 1925. Serial No. 4,794. 1 Claim. (Cl. 299—20.)



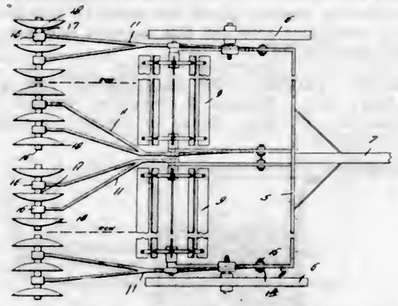
In a humidor for individual cigar-boxes, a shallow rectangular casing including a perforated top and a perforated bottom, bosses on said bottom, and air tubes permanently fitted in all such perforations, said tubes extending vertically in said casing and those associated with the top and bottom respectively having their inner ends in different planes.

1,589,370. LENS. ARTHUR V. CONOVER, Philadelphia, Pa., assignor to Interflash Signal Corporation, New York, N. Y., a Corporation of New York. Filed June 10, 1924. Serial No. 719,061. 8 Claims. (Cl. 240—106.)



1. In combination with a source of light, a sectional lens for emitting a complete hemisphere of light comprising a section formed with a plurality of prisms to diffuse the light outwardly and upwardly, a section plano-convex in cross section to project the light outwardly, a section formed as a truncated cone to diffuse the light upwardly with gradually increased intensity and a plano-convex lens mounted on the truncated section.

1,589,371. RIDGE-CUTTING ATTACHMENT FOR STALK CHOPPERS. TEARENCE VIRGIL COOPER, Gideon, Mo. Filed Aug. 14, 1923. Serial No. 657,351. 1 Claim. (Cl. 55—61.)

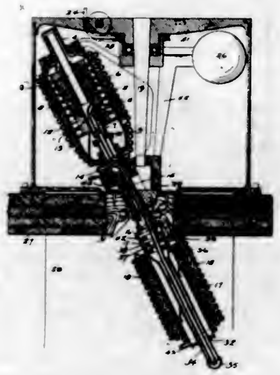


In a ridge cutting attachment for a conventional stalk chopper, wherein the latter embodies, among other parts, a frame, rotary choppers, and supporting shafts for the choppers extending beyond the ends of the choppers, said attachment comprising a bar provided at its inner end with a clamp adapted to be detachably connected with one of the arms of the frame of the chopper, said bar being provided intermediate its ends with an enlarged apertured portion forming a bearing for reception of the extended shaft ends of one of the rotary choppers, said bar being provided at its rear end with diverging spaced extensions provided at their extremities with bearings, a shaft journaled for rotation in said bearings and cutting discs carried by said shaft.

1,589,372. PROCESS FOR THE MANUFACTURE OF ETHYL SULPHURIC ACID. AUGUSTIN AMÉDÉE LOUIS JOSEPH DAMIENS, Arcueil-Cachan, and MARIE CHARLES JOSEPH ELISÉE DE LOISY, Paris, France, and OLIVIER JOSEPH GISLAIN PIETTE, Brussels, Belgium. Filed Dec. 6, 1919, Serial No. 343,118, and in France Sept. 5, 1919. 7 Claims. (Cl. 260—98.)

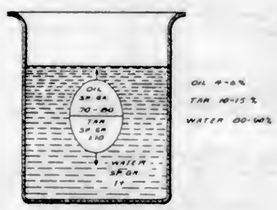
1. A process for the production of ethyl-sulphuric acid which consists in fixing the ethylene by means of sulphuric acid in presence of a sulphate of a heavy metal practically insoluble in concentrated sulphuric acid and acting as catalyst.

1,589,373. REFRIGERATING APPARATUS. JAY GRANT DE REMER, San Francisco, Calif., assignor to Savage-De Remer Corporation, a Corporation of New York. Filed Nov. 11, 1919. Serial No. 337,152. 19 Claims. (Cl. 62—115.)



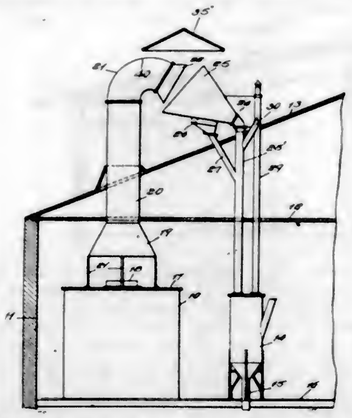
1. Means for restraining the flow of fluid comprising the combination with a vessel adapted to be moved in a circle about an upright axis and containing high and low pressure spaces, of a body of dense liquid therein adapted to be held in a position remote from said axis during the movement of the vessel and separating said high and low pressure spaces, and means for introducing a less dense fluid from the high pressure side into the liquid near the bottom thereof.

1,589,374. PROCESS FOR RECLAIMING TAR AND LIGHT OIL. WILLIAM F. DIETZSCH, Chicago, Ill. Filed Dec. 17, 1924. Serial No. 756,381. 8 Claims. (Cl. 196—5.)



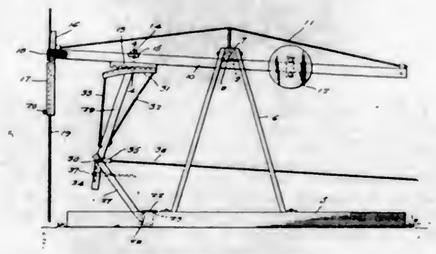
7. The process of separating light oils and tar from an emulsion of water, which consists in heating the mass of liquid to a temperature slightly above the boiling point of the light oils, but below the boiling point of water, drawing off the resultant vapors of light oils, causing the tar separated from the said light oils to gravitate to the bottom of the mass of liquid fluid, condensing the light oil vapors, and withdrawing the said tar from the bottom of the remaining mass of liquid.

1,589,375. BREEZE COLLECTOR. WILLIAM F. DIETZSCH, Chicago, Ill. Filed Mar. 2, 1925. Serial No. 12,621. 8 Claims. (Cl. 183—106.)



1. In combination, a stack through which a blast in which particles of matter are suspended may travel, an elbow-like member on an end of said stack having a discharge orifice pointing downwardly, the said particles of matter being adapted to rebound from the said elbow-like member and to be deflected downwardly through the said discharge orifice of the member, a second member positioned externally of the stack and spaced from said elbow-like member adapted to receive the particles of matter discharged therefrom, the space intermediate the said two members serving to permit the accompanying gases to make their escape, and a container connected to said second member for receiving the particles of matter so discharged.

1,589,376. WELL PUMP JACK. MARION LEE DOBSON, Kevin, Mont. Filed Mar. 9, 1926. Serial No. 93,477. 3 Claims. (Cl. 74—5.)

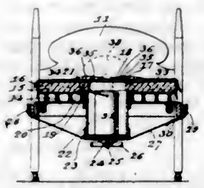


1. A pump jack of the class described including a rockably mounted walking beam, a rack on the walking beam, a pitman having an arcuate rack at one end engageable with the first rack, a crank pivotally engaged with the pitman, a gudgeon on the end of the crank, a gudgeon receiving member for the gudgeon, and means for attaching a pull line to the pitman.

1,589,377. HOSPITAL BED. WERONICA DRY, Connellsville, Pa. Filed Aug. 21, 1925. Serial No. 51,540. 5 Claims. (Cl. 5—91.)

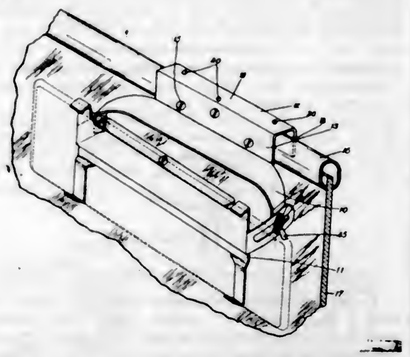
1. In combination with a receptacle, a cover for the same adapted to be positioned on the bottom thereof while the receptacle is in operative position, said cover having guides thereon for guiding a supporting means for the receptacle.

5. A covering for the opening in a hospital or invalid bed, the same including a pair of rigid members each extending partially across said opening from opposite sides thereof to cover the same, said members adapted



to be swung upwardly to expose said opening, and means for normally holding said portions in position to cover said opening and for returning them to opening covering position when they are moved therefrom.

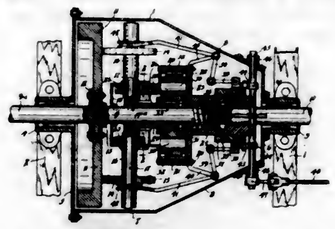
1,589,378. REAR-VISION-MIRROR BRACKET FOR AUTOMOBILES. ALBERT W. ERKINS and ALOYSIUS J. SUHRE, Cincinnati, Ohio, assignors to The Mid West Glass Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 23, 1924. Serial No. 745,491. 7 Claims. (Cl. 45—97.)



1. In a mirror bracket of the class described the combination of a pair of telescopic clamps for receiving a mirror, the clamps overlapping and slidably contacting one another, one of the clamps comprising perforate arcuate ears of unequal length, the longer ear having an elongated slot and a bracket member comprising a pair of perforate lugs, each of the last mentioned lugs adapted to engage with one of the ears and all of the perforations in the lugs and ears being aligned, a bolt and nut extending through the shorter of the ears and its associated lug, and a bolt and wing nut extending through the elongated slot in the longer ear and its associated lug for clamping the said last mentioned lug and ear upon one another in various adjusted positions about the axis of the first mentioned bolt.

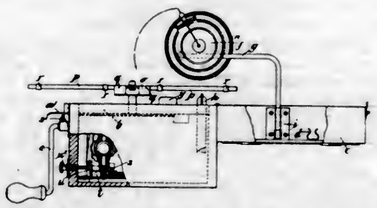
1,589,379. VARIABLE TRANSMISSION DEVICE. CLEMONS J. ZEBULON FANBERG, Kerkhoven, Minn. Filed Mar. 8, 1923. Serial No. 623,777. 9 Claims. (Cl. 74—34.)

1. A transmission mechanism comprising a pair of shafts, one of which is a driving shaft and the other of which is a driven shaft, a differential mechanism connecting said shafts, a variable resistance means including a friction wheel movable toward and from said driving shaft and connected to the differential mechanism



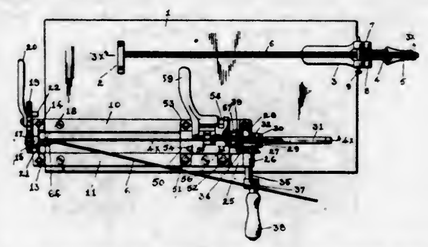
whereby the speed of the driven shaft will be varied and means carried by said differential mechanism for moving said friction wheel toward and from said driving shaft.

1,589,380. GRAMOPHONE. FREDERICK FERRIS, London, England, assignor to Peter Pan Gramophone Co., Limited, London, England. Filed Jan. 2, 1923. Serial No. 610,344, and in Great Britain Jan. 20, 1922. 2 Claims. (Cl. 274—39.)



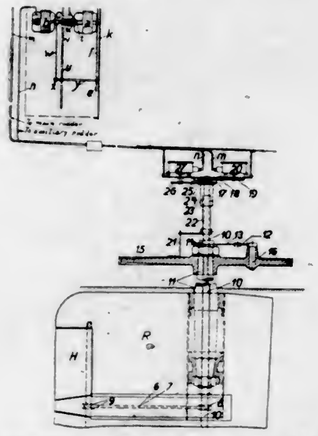
1. A record table adapted for use in connection with talking machine casings of less dimension than the diameter of the table, comprising a boss having a plurality of radial extensions, and a plurality of radially arranged arms each of which has a hinged connection with an extension of the boss.

1,589,381. MACHINE FOR MAKING A WIRE CLOTHESLINE. LESTER J. FORESTER, Tuscarora, N. Y. Filed Dec. 19, 1925. Serial No. 76,462. 9 Claims. (Cl. 140—71.)



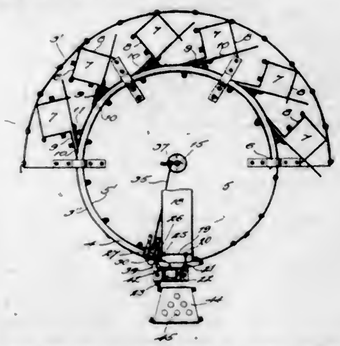
1. The process of bending a link for a clothesline which consists in first cutting the wire into suitable straight blanks, second bending it into two diverging arms of unequal length, third bending the end of the short wire back on itself to form a loop on the end thereof, fourth bending the end of the long arm to form an inserting throat or hook and then coiling the end of the latter arm around the loop on the free end of the short arm to close the loop, fifth and then twisting the two arms together from the throat to the first bend with several complete turns.

1,589,382. SHIP-STEERING MECHANISM. WILLY FRENSDORFF and HERMANN HEIN, Bremen, Germany, assignors to Actien-Gesellschaft "Weser," Bremen, Germany, a Corporation of Germany. Filed May 1, 1925. Serial No. 27,306, and in Germany Apr. 5, 1924. 3 Claims. (Cl. 177—351.)



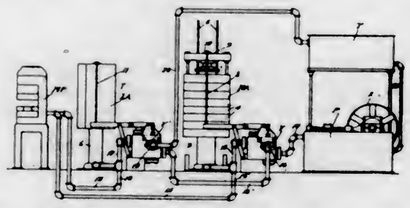
1. An indicating instrument for main and auxiliary ship rudders wherein the auxiliary rudder is mounted on the main rudder for movement therewith and rotatable independently thereof, comprising a main pointer for indicating the movements of the main rudder; an auxiliary pointed for indicating the movements of the auxiliary rudder; a scale associated with each pointer; main and auxiliary pointer shafts whereon the respective pointers are mounted, the auxiliary shaft being disposed at a point removed from the main shaft; connections whereby the auxiliary shaft travels bodily around the main shaft as a center and in synchronism therewith, electrical repeating means actuated by the main rudder and controlling the movement of the main pointer shaft and the synchronous movement of the auxiliary pointer shaft; electrical repeating means actuated in accordance with the rotary movements of the auxiliary rudder; means whereby the auxiliary pointer shaft may rotate on its own axis independently of its bodily movement; and connections whereby the second-named repeating means controls the rotation of the auxiliary shaft.

1,589,383. MAIL-DISTRIBUTING MACHINE. VINCENT GARCIA, Brooklyn, N. Y. Filed Oct. 19, 1925. Serial No. 63,510. 6 Claims. (Cl. 214—11.)



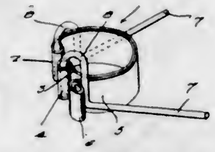
1. A sorting device comprising a rotary member, supporting means adjacent the rotary member, flanges supported thereby and forming with an edge of said rotary member, a trough, a plurality of receiving chambers in communication with a trough, a gate in each chamber which, when projected, will enter the trough and cause articles on the rotary member within the trough to pass into the chamber, a receptacle for holding the articles to be sorted, means for feeding the articles therefrom into the trough and means for actuating the gates.

1,589,384. PRESSURE-CONTROL SYSTEM. HENRY J. GRIGOLEIT, Chicago, Ill., assignor to H. J. Grigoleit Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 14, 1923. Serial No. 662,791. 24 Claims. (Cl. 138—10.)



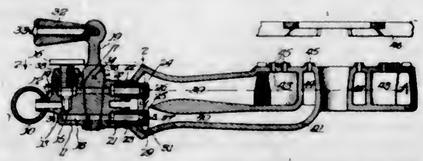
1. In a pressure feed system of the character described including a high pressure accumulator and a low pressure accumulator, and a single pump for supplying fluid to said accumulators, valve mechanism for said accumulators for maintaining the pressures in said accumulators at a predetermined point, double valve mechanism for each valve, and check valves for each valve of said double valve mechanism for automatically controlling the pressure of said accumulators.

1,589,385. COW-TAIL HOLDER. JAMES W. HALL, Springfield, Mo. Filed Sept. 9, 1925. Serial No. 55,271. 1 Claim. (Cl. 119—5.)



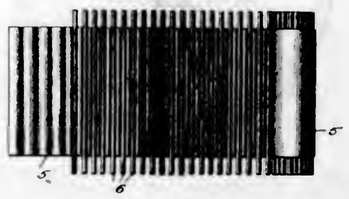
A cow tail holder comprising a resilient clamp formed from a single band of resilient metal bent between its ends to provide overlapping plies, the intermediate bend being formed to provide a socket, and the free end portions of the plies being of a rigid diverging relation away from each other, the extremity of one ply being bent to provide a complemental socket, and the extremity of the other ply being bent to provide a shoulder, and a pair of handles having U-shaped portions for detachable association with the sockets and shoulder.

1,589,386. GAS BURNER. PHILIP S. HARPER, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,010. 11 Claims. (Cl. 158—105.)



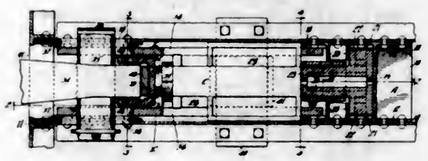
1. In a gas burner, a burner body member having a plurality of burner sections and having a plurality of mixing tubes therein; a plurality of fuel nozzles projecting into the said mixing tubes one nozzle to each tube; a valve casing having a plurality of passages therein leading to the said fuel nozzles; a common adjusting means intercepting all of the said passages, each passage being intercepted in proportion to the size of its respective burner section and control means in the said valve casing.

1,589,387. PACKAGE OF WELDING WIRES AND METHOD OF MAKING THE SAME. CLAUDE HARTFORD, Maplewood, N. J., assignor to Wilson Welder & Metals Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 14, 1922. Serial No. 568,279. 4 Claims. (Cl. 206—46.)



1. A package of welding wires comprising a sheet of flexible material which is substantially smooth on one side and corrugated on the other and is wound up into and permanently secured in volute form, the wires being located between and frictionally engaged and held against longitudinal displacement in the package by the corrugated side and the smooth side of adjacent layers of the volute of said flexible material, but so that each wire is capable of individual removal and replacement.

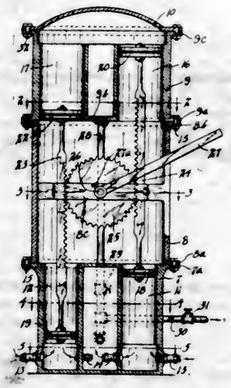
1,589,388. DRAFT RIGGING. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 2, 1923. Serial No. 648,867. 8 Claims. (Cl. 213—50.)



1. In a draft rigging, the combination with draft sills; of a stop casting secured to said sills; an abutment member detachably secured to said casting and held against movement longitudinally of the sills; a shock absorbing mechanism adapted to abut said member; a strap enclosing said mechanism, said strap having a pair of arms slidably engaged with said member; co-acting means on said member and arms for limiting the sliding movement of the latter; a draw-bar co-acting with said strap; and a yoke connecting said mechanism with said draw-bar.

1,589,389. DOUBLE-ACTING AIR PUMP. HERBERT C. HEADSTREAM, Rib Lake, Wis. Filed Apr. 16, 1925. Serial No. 23,495. 6 Claims. (Cl. 230—27.)

1. A double-acting pump for compressing fluids having in combination, a pair of parallel cylinders, a chamber into which said cylinders discharge through valve controlled passages, inlet valves for said cylinders, a pair of parallel cylinders spaced from and respectively axially alined with said first mentioned cylinders, a chamber communicating with the ends of said last mentioned cylinders, pistons in all of said cylinders, a pair of piston rods respectively connecting the pistons in said

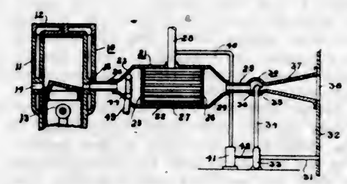


axially alined cylinders, a movable member operatively connected to said piston rods for moving the same simultaneously in opposite directions and a conduit connecting said chambers.

1,589,390. SULPHONATED THIANTHRENES USEFUL AS PHARMACEUTICAL COMPOUNDS. HEINRICH HERMINGHAUS, Elberfeld, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed May 24, 1924, Serial No. 715,687, and in Germany Aug. 4, 1923. 2 Claims. (Cl. 260—53.)

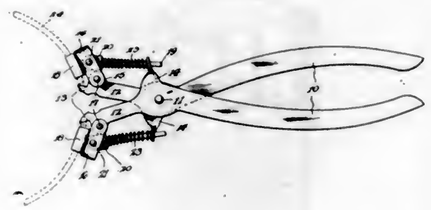
1. As a new product a monosulphonated thianthrene the sodium salt of which has a strong antiphlogistical action and in its dry pulverized form is a brownish powder readily soluble in water with a dark reddish-brown coloration.

1,589,391. INTERNAL-COMBUSTION ENGINE. HERBERT T. HERR, Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,803. 2 Claims. (Cl. 60—32.)



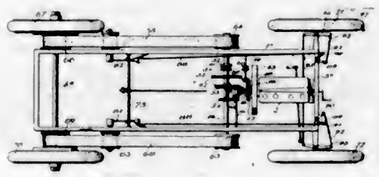
1. In an internal combustion engine, having a cylinder with air inlet and exhaust ports, a conduit receiving the burned gases from the exhaust port, a low-pressure chamber communicating with said conduit, a steam generator within said chamber, an ejector communicating with said chamber for maintaining therein a sub-atmospheric pressure, and means including an engine operated by steam from the generator and a pump driven by the engine for supplying a stream of rapidly flowing water to said ejector to entrain and discharge the burned gases.

1,589,392. TOOL FOR REMOVING AND REPLACING PISTON RINGS. WILLIAM F. HIATT, Indianapolis, Ind. Filed Mar. 6, 1925. Serial No. 13,476. 5 Claims. (Cl. 29—86.4.)



1. A tool of the character described including coacting levers provided at their forward ends with means to engage the ends of a piston ring whereby the levers may be operated for spreading said ends apart and expanding the ring, means carried by said levers to coact with the end portions of the ring for retaining the ends of the ring engaged by the former means, and means carried by the levers and acting directly on the second-mentioned means for automatically pressing said second mentioned means into engagement with the end portions of the ring as said levers are swung.

1,589,393. AUTOMOBILE. OLAF L. HOWE, Missoula, Mont. Filed Mar. 1, 1923. Serial No. 622,141. 1 Claim. (Cl. 180—18.)



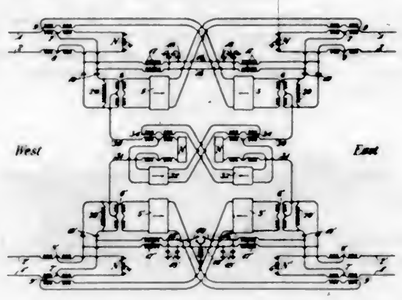
In an automobile, a running gear including front and rear axles and wheels mounted on said axles, a frame connecting the axles, a shaft mounted transversely of the frame, an engine, means operatively connecting the engine with the shaft, pulleys on the shaft, belts operatively connecting the pulleys on the shaft with the rear wheels, a rock shaft mounted on the frame, levers pivotally mounted on the rock shaft and provided with belt tighteners, springs for causing the levers to force the belt tighteners in engagement with the belts for driving the wheels, a lever rigidly connected with the rock shaft, lugs projecting from the rock shaft, other lugs projecting from the levers adapted to be engaged by the lugs on the rock shaft for forcing the belt tighteners away from the belts, a foot pedal, a link connecting the foot pedal with the lever depending from the rock shaft for operating said depending lever, and means connecting the levers carrying the belt tighteners with the front wheels whereby angular movement of said wheels will alternately release the belt tighteners from the belts.

1,589,394. PUMP. GRANVILLE A. HUMASON, Houston, Tex. Filed Oct. 27, 1923. Serial No. 671,089. 1 Claim. (Cl. 286—27.)

A deep well pump including a jacket having a lower internal abutment, a barrel formed of alternately arranged cylinders and packing sleeves and resting on said abutment, a plunger in the barrel, some of said cylinders being formed with annular outside flanges spaced apart to form a lubricant chamber between them, said cylinders having lubricant ports leading from said

chambers to the interior of the cylinder and said jacket having an upper and a lower port communicating with some of said chambers, and a removable upper abutment in the jacket abutting the upper end of the barrel.

1,589,395. TELEPHONE REPEATER. OLIVER B. JACOBS, Morris Plains, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 18, 1919. Serial No. 331,678. 2 Claims. (Cl. 178—44.)

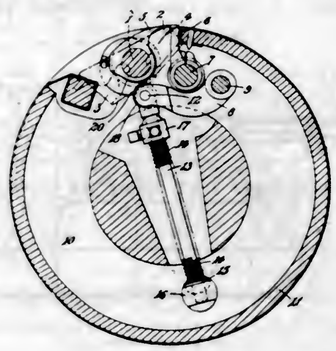


1. In combination, a transmission line having phantom and side circuits, each in two sections, balancing networks for said side circuit sections, a phantom repeater associated wtih the line at the points of symmetry between the line sections and the networks, and a direct current path connecting the sections between the same points.

1,589,396. SHEET-GRIPPER MECHANISM OF PRINTING MACHINES. JOHN WALLACE JAKEMAN, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a British Company. Filed Feb. 5, 1925, Serial No. 6,924, and in Great Britain Feb. 19, 1924. 4 Claims. (Cl. 101—411.)

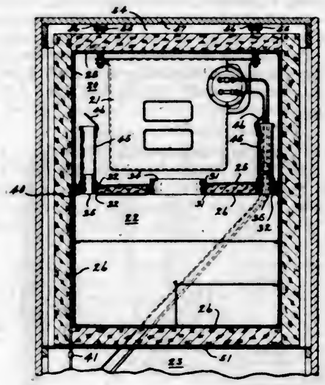
1. The combination with a printing press cylinder, a gripper shaft mounted in said cylinder and adapted to be rocked, sheet grippers carried by the gripper shaft adapted to be opened and closed by the rocking of that shaft, and a spring adapted to exert a force substantially radially towards the gripper shaft, of means adapted to resolve such force into components one of which

exerts on the gripper shaft a turning moment which decreases rapidly as said shaft is rocked to open the grippers and immediately thereafter possesses a gradual-



ly varying value corresponding to some predetermined curve of moments and just sufficient to complete, or assist in completing, the rocking of the gripper shaft to retain the grippers open.

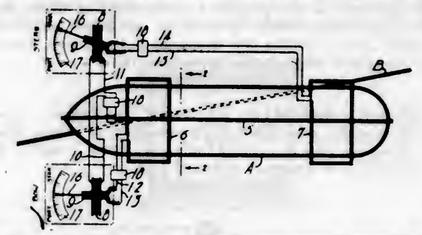
1,589,397. REFRIGERATING APPARATUS. LESTER S. KEILHOLTZ, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Original application filed Dec. 31, 1923, Serial No. 683,589. Divided and this application filed Aug. 7, 1924. Serial No. 730,726. 2 Claims. (Cl. 62—95.)



2. In a refrigerator having cooling and food compartments, linings for said compartments each having an opening, insulation between said linings and having an opening, a short flue extending within the openings in said linings and providing a wall for the opening in the insulation, and a relatively long flue having telescoping connection with said short flue.

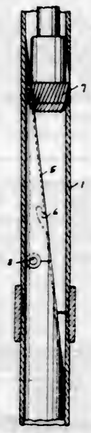
1,589,398. SYSTEM FOR GUIDING VESSELS. WALTER F. KELLEY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1922. Serial No. 606,209. 4 Claims. (Cl. 177—385.)

1. A system of navigation comprising a submerged cable adapted to be energized by a source of current to create a variable magnetic field therenbout, a vessel to be guided over the course prescribed by said cable, an electrical coil mounted in a vertical plane on said vessel, a plurality of electrical coils mounted horizontally on different parts of said vessel transversely to said first



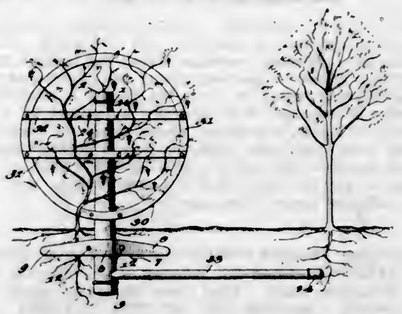
mentioned coil for translating electromagnetic waves into electrical effects, and means responsive to said electrical effects for indicating the position of said vessel with respect to the cable.

1,589,399. WHIP STOCK. FRANK KINZBACH, Houston, Tex. Filed Oct. 26, 1925. Serial No. 64,851. 5 Claims. (Cl. 255—1.)



5. A whip stock formed with a lower cylindrical section and an upper section hinged to the lower section the upper end of the whip stock being beveled forming a lateral face inclined to the longitudinal axis of the whip stock.

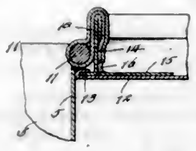
1,589,400. IRRIGATING DEVICE. HENRY ANDREW KLINGLESMITH, Newton, Kans. Filed Oct. 26, 1923. Serial No. 671,046. 2 Claims. (Cl. 47—48.)



2. An irrigating device comprising an upstanding tubular member adapted to have a liquid introduced thereinto at the upper end thereof, said upstanding tubular mem-

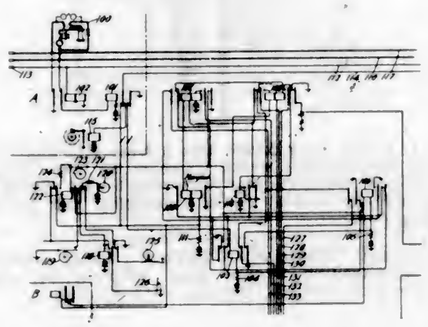
ber having a laterally extending branch adjacent to its lower end, the lower end portion of the upstanding tubular member and the lateral branch being adapted to be imbedded in the ground, a perforated cap fitted upon the upstanding tubular member at the lower end of the latter, and a similar cap fitted upon the lateral branch at the outer end of the latter.

1,589,401. METALLIC CLOTHES HAMPER. LOUIS KLIVANSKY, New York, N. Y., assignor to Sargoy Bros., Brooklyn, N. Y. Filed July 26, 1924. Serial No. 728,322. 3 Claims. (Cl. 220—32.)



1. A hamper of the character described consisting of a sheet metal body with vertical walls, a stiffening wire at the upper peripheral edge of said walls, a cover, a hinge section attached to said cover and looped around the said stiffening wire, said hinge being so constructed that no part of it projects beyond said stiffening wire exteriorly of the hamper when the cover is closed.

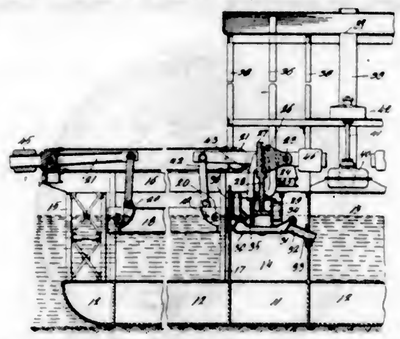
1,589,402. TELEPHONE-EXCHANGE SYSTEM. OTTMAR H. KOPP, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1924. Serial No. 743,919. 9 Claims. (Cl. 179—18.)



1. In a telephone exchange system, an impulse transmitting device, a register, means for positioning said register in response to either the first of a plurality of series of impulses or in response to the last of a plurality of series of impulses, means under the control of said register to make selections in two different groups, and means to discriminate between said groups according to whether said register is positioned by said first or said last series of impulses.

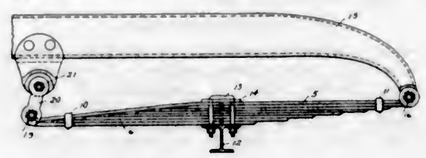
1,589,403. WATER-POWER TRANSFERABLE HYDRO-ELECTRIC PLANT. WILLIAM CARL KRAUSE, San Francisco, Calif. Filed July 30, 1920. Serial No. 400,002. Renewed Jan. 30, 1926. 2 Claims. (Cl. 103—79.)

1. In a wave motor, a float, a pair of shafts, a lever secured to each shaft and connected to said float, a sprocket secured to one of said shafts, a stub shaft, a sprocket on said stub shaft, a flexible element associated



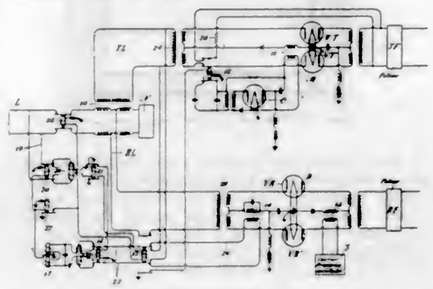
with said sprockets, and a pump mechanism driven by said stub shaft and one of said lever shafts.

1,589,404. VEHICLE SPRING. GEORGE A. LEONARD, Burlington, Vt. Filed Feb. 23, 1926. Serial No. 89,972. 6 Claims. (Cl. 267—47.)



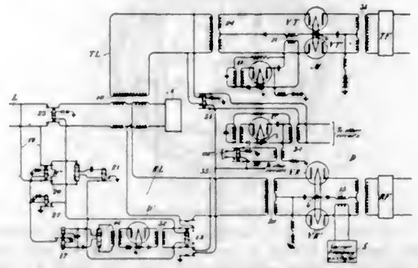
1. A spring comprising a continuous top leaf extending from end to end of the spring, a bottom leaf extending from the center to one end of the top leaf, intermediate leaves having one end of each between said bottom and top leaves and the other end of each extending beneath the other end of the top leaf, and a clip for connecting the outer ends of the top and bottom leaves.

1,589,405. RINGING ARRANGEMENT FOR CARRIER CIRCUITS. OWEN H. LOYNES, Brooklyn, and RUSSELL S. OHL, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 1, 1924. Serial No. 703,553. 9 Claims. (Cl. 179—4.)



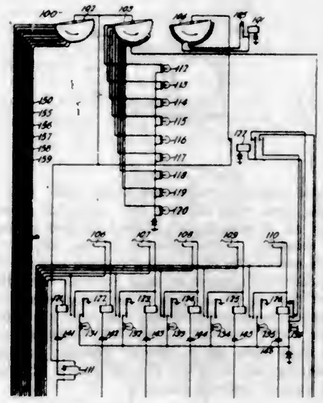
1. The method of transmitting a ringing frequency below the ordinary telephone range over a carrier system in which a carrier frequency is modulated in accordance with speech and the normal carrier and frequencies in the neighborhood of the normal carrier are suppressed, which consists in shifting the carrier frequency in response to a ringing signal to a point well within the range of free transmission of the carrier channel and then modulating the shifted carrier frequency in accordance with the ringing frequency.

1,589,406. RINGING ARRANGEMENT FOR CARRIER CIRCUITS. OWEN H. LOYNES, Brooklyn, and RUSSELL S. OHL, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 1, 1924. Serial No. 703,554. 6 Claims. (Cl. 179—4.)



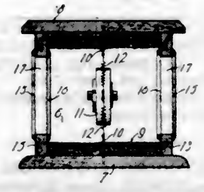
1. The method of transmitting a ringing frequency lower than the ordinary telephone range over a carrier system, in which a carrier frequency is modulated in accordance with speech and the carrier and frequencies in the neighborhood of the carrier are suppressed, which consists in modulating an intermediate carrier current having a frequency well within the telephone range in accordance with the ringing frequency, and then modulating the normal carrier of the carrier channel in accordance with the modulated intermediate frequency to produce a side band containing components from which the ringing frequency may be detected.

1,589,407. TESTING SYSTEM FOR TESTING MULTIPLE WIRING BETWEEN SWITCHES. FREDERICK J. MARTIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 22, 1924. Serial No. 713,003. 10 Claims. (Cl. 179—175.)



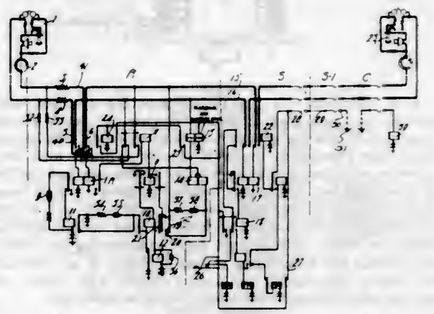
10. In a testing system for detecting unstandard conditions in multiple wiring interconnecting sets of contacts of a plurality of switches, said switches having movable brush members, testing apparatus, means to operate said testing apparatus to successively test each wire extending from a first set of contacts to each like set of contacts of said plurality of switches, and means to move said brush members to associate the testing apparatus with other sets of contacts of said switches.

1,589,408. PROTECTOR FOR ACOUSTIC APPARATUS. JOSEPH P. MAXFIELD, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,330. 1 Claim. (Cl. 181—5.)



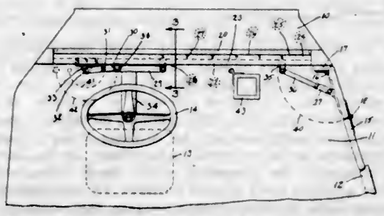
The combination with telephone transmitters of a protector therefor, said protector comprising a base, walls each having a plurality of spaced screens, and a cover, said base, walls and cover forming an inclosure for eliminating wind noises, and means within said inclosure for supporting said transmitters.

1,589,409. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. OHMER R. MILLER, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1923. Serial No. 666,922. 14 Claims. (Cl. 179—18.)



1. In a signaling system, the combination of an electro-responsive device, a condenser, a circuit, an electro-responsive device in said circuit for charging and discharging said condenser thereby momentarily operating said first mentioned electro-responsive device, an impulse circuit and a chain of interdependent electro-responsive devices one of which is controlled by said first mentioned electro-responsive device to control said impulse circuit, and electro-responsive means responsive to the impulses produced in said impulse circuit.

1,589,410. VEHICLE-DOOR CONTROL. NUGENT MILNER, Evansville, Ind., assignor to Graham Brothers, Evansville, Ind., a Corporation. Filed May 22, 1925. Serial No. 32,051. 4 Claims. (Cl. 268—6.)



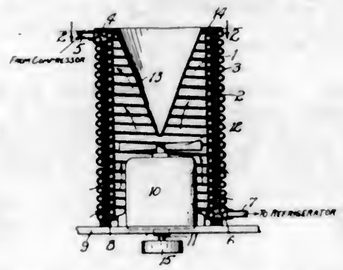
1. The combination with a vehicle body having a door in its side, a dash in its front end, and vehicle control means located within the body, of a bar mounted in con-

nection with the dash and extending transversely of the front end of the vehicle body and longitudinally movable, a link pivotally connecting one end of said bar with the door, and means pivoted to the dash at the left hand side of the vehicle control means for operating said bar.

1,589,411. NONSLIP TILE. LE ROY HIMES MINTON, Metuchen, N. J. Filed Aug. 24, 1925. Serial No. 52,224. 3 Claims. (Cl. 106—7.5.)

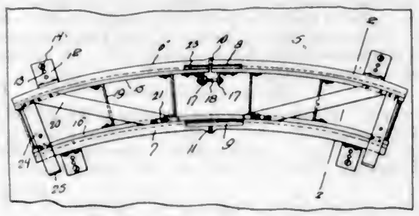
1. A non-slip surface having granular rutile embedded therein as a non-slip element.

1,589,412. AIR-COOLED CONDENSER FOR REFRIGERATING MACHINES. JOHN E. MITCHELL, St. Louis, Mo. Filed Mar. 17, 1924. Serial No. 699,701. 4 Claims. (Cl. 257—39.)



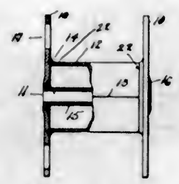
1. A condenser for use in refrigerating systems, comprising an open-work cylinder, a pair of tubes coiled, respectively, within and around said cylinder and having their coils secured to the wall of said cylinder and their opposite ends located, respectively, at the top and bottom of the cylinder, an upper header secured to and communicating with the upper ends of said coils and having an inlet, a lower header secured to and communicating with the lower ends of said coils and having an outlet, and means for inducing a forced draught of air through the space surrounded by said cylinder and coils, and around and through the spaces between said coils.

1,589,413. WORK GUIDE FOR RIPPING TABLES. FRANK R. MOE, Bloomer, Wis. Filed Sept. 24, 1925. Serial No. 58,336. 5 Claims. (Cl. 143—171.)



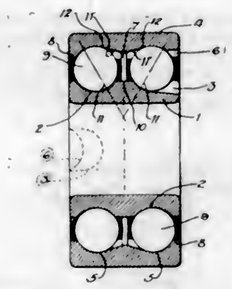
3. In combination, a pair of track bars, means for pivoting the centers of said track bars to a ripping table, means for adjusting the ends of said track bars so as to adjust the curvatures thereof, a carriage slidable between the track bars, said carriage including a pair of bars, one of said bars of the carriage being formed in two sections so as to permit adjustment of the carriage to conform to the curvature of the track bars, brackets on the adjacent ends of said sections, an adjustment bolt engaging said brackets, braces between the carriage bars, and additional diagonal braces between the track bars fixed to the sections of one carriage bar and having a pin and slot connection with the other carriage bar.

1,589,414. REEL. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1924. Serial No. 687,028. 6 Claims. (Cl. 242—123.)



1. A sheet metal annealing reel comprising a tubular body member having a head-plate member at each end thereof of a stock substantially twice as thick as that of the body member, the ends of the body member being adjacent the inner surface of the head-plate members, and additional metal fused and deposited in a continuous ring at the juncture to form a fillet and unite said members together as a homogeneous assembly of parts.

1,589,415. DOUBLE-ROW BALL BEARING. EMANUEL NIDES and JOHN S. TAWRESEY, Philadelphia, Pa., assignors to Standard Steel & Bearings Incorporated, Philadelphia, Pa. Filed May 6, 1921. Serial No. 467,431. 5 Claims. (Cl. 308—198.)

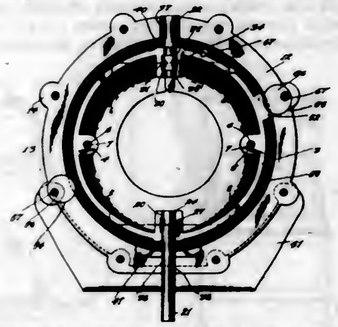


1. A ball bearing comprising inner and outer unitary race rings, each ring having two raceway grooves separated by an intermediate rib and formed to have confronting relation to the grooves in the other ring, the grooves in one of the rings being formed so that the balls make contact with areas of said grooves extending from the center line of the bottom of the grooves substantially to the outer margins thereof, and the grooves in the other ring being formed so that the balls make contact with the inner side walls thereof, whereby the load lines of the bearing fall between the directions of application of radial and of endwise thrust.

1,589,416. VARIABLE ELEMENT. EMIL J. NIELSEN, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 30, 1923. Serial No. 635,414. 18 Claims. (Cl. 171—119.)

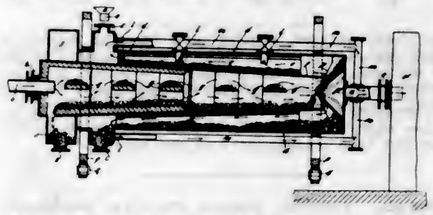
1. A device of the character described including a stator element and a rotor element shafts for said rotor element, a pair of hemispherically shaped members comprising said stator element, and a pair of hemispherically

shaped members comprising said rotor element, semicircular recesses in said rotor halves diametrically opposite forming orifices for said shafts when said rotor



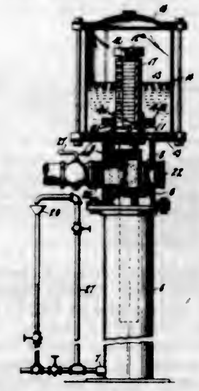
halves are secured together, orifices in two adjacent recesses, and spring means resting in said orifices for holding one of said shafts in position against displacement.

1,589,417. ROTARY DISTILLATION RETORT. HARALD NIELSEN, Muswell Hill, London, England. Filed Feb. 15, 1921, Serial No. 445,134, and in Great Britain Jan. 14, 1921. 1 Claim. (Cl. 202—15.)



A retort for the medium and low temperature distillation of carbonaceous materials by contact with a heating medium which is passed through the retort comprising an outer cylindrical member and an inner concentrically mounted conical member fixed to said outer cylindrical member, and means for feeding material from the outer cylindrical member to the inner conical member.

1,589,418. FLOW-METER TEST CUP. FRANCIS S. WOIDICH, Sapulpa, Okla. Filed June 6, 1921. Serial No. 475,546. 12 Claims. (Cl. 73—167.)

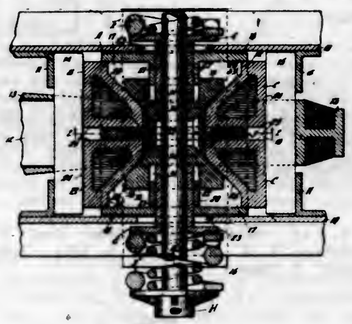


1. Apparatus for testing liquids, comprising a closed reservoir having transparent walls, a conduit extending through the bottom upwardly in the reservoir to near the top thereof for feeding liquid into the reservoir, means for withdrawing liquid from near the bottom thereof and means operable from without the reservoir for controlling the withdrawing means.

1,589,419. STORAGE-BATTERY SEPARATOR. PAUL E. NORRIS, Wilkinsburg, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 5, 1924. Serial No. 754,119. 9 Claims. (Cl. 136—145.)

6. A storage battery separator comprising a sheet of porous material, and a sheet of coarsely woven fabric impregnated with electrolyte resistant material and attached to one face of said porous sheet, said fabric having warp strands of different sizes.

1,589,420. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 5, 1923. Serial No. 649,425. 9 Claims. (Cl. 213—38.)

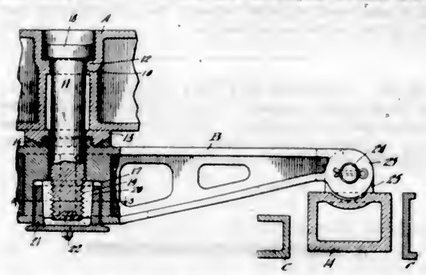


1. In a friction shock absorbing mechanism, the combination with a casing open at each end and having a longitudinally extending partition therein; of a spring resistance compressible in a direction transverse to the line of applied force, oppositely arranged longitudinally movable friction elements co-operable with said partition and movably retained thereby; other friction elements co-operable with said first named friction elements and movable in a direction transverse to the line of applied force; and means interposed between said second named friction elements and the spring resistance for effecting compression of the latter during a compression stroke of the mechanism.

1,589,421. CAR CONSTRUCTION. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Mar. 26, 1924. Serial No. 701,936. 14 Claims. (Cl. 105—196.)

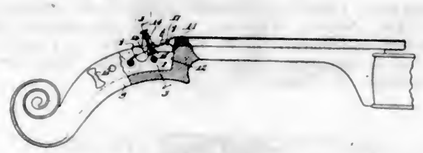
1. In car construction, the combination with a body bolster; of six-wheel truck transoms; a truck bolster adapted to be supported on said transoms; bolts detachably connecting said transoms to the truck bolster; a

center pin detachably inter-connecting said truck and body bolsters; a sectional nut arranged on one end of



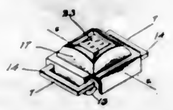
said pin; and a sleeve removably secured to one of said bolsters and engaging said nut to prevent movement thereof relative to the pin.

1,589,422. TUNING ATTACHMENT FOR STRINGED INSTRUMENTS. WILLIAM J. PAVEK, Chicago, Ill. Filed Aug. 10, 1925. Serial No. 49,175. 3 Claims. (Cl. 84—312.)



1. A tuning attachment for stringed instruments comprising a plate having means thereon for securing the same to the head of a violin or the like; an adjusting screw on said plate parallel to one face thereof; and a block threaded on said screw and sliding against the adjacent face of said plate, said block being adapted and arranged to engage a string of a violin or the like, substantially as described.

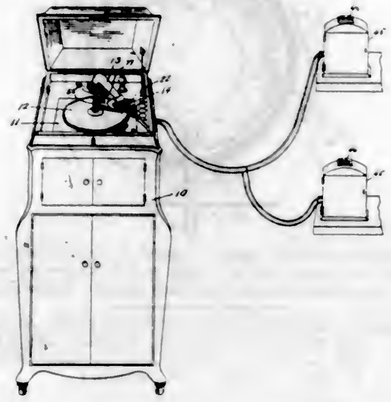
1,589,423. CHAIN STRUCTURE. HARRY PAYTON, Providence, R. I. Filed Sept. 8, 1924. Serial No. 736,471. 1 Claim. (Cl. 63—4.)



A chain structure formed of a series of gem-setting links hingedly connected together, said links comprising a body member having a top plate with an opening therein, and a separate rectangular cup-shaped gem-setting member having a bottom wall forming a seat for the gem mounted to rest upon said plate with its side walls cut away at its upper corners providing bendable edge portions to be folded over the gem, a portion of the bottom wall of said cup-shaped member being turned outwardly providing bendable portions entering and engaging the walls of said opening to connect said members together.

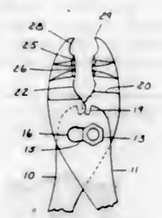
1,589,424. COIN-CONTROLLED TALKING MACHINE. SAMUEL PERRON, Mendon, Mass., assignor to Alexander Steinert, Boston, Mass. Filed Jan. 3, 1921. Serial No. 434,709. 13 Claims. (Cl. 274—15.)

1. A talking machine having the combination of a reproducer, raising and lowering means for the reproducer automatically operable to raise the reproducer from the record at the end of the story thereon and transfer it into position above the beginning of the story, said means including means which can be set to vary the position of the reproducer on the record at which said raising means becomes effective, electrically-actuated starting and stopping means for the machine, remotely-disposed means governing the operation of said



electrically-actuated starting and stopping means to effect the starting of the machine and means controlled by the movement of the reproducer to govern said electrically-actuated starting and stopping means to effect the stopping of the machine with the reproducer in position above the beginning of the story on the record and free from engagement with the record.

1,589,425. PLIERS. THOMAS PRENTICE, Southington, Conn. Filed Aug. 22, 1925. Serial No. 51,858. 1 Claim. (Cl. 29—86.2.)

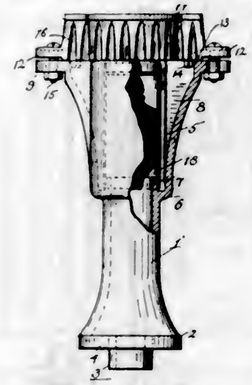


In pliers for use in extracting cotter-pins, two pairs of gripping jaws that are substantially identical, the one pair with the other, the jaws of one pair being projected individually from the faces of the jaws of the other pair, the jaws being each of curved form and cooperating one with the other so as to provide a roller-bearing fulcrum on which they can be effectively tilted so as to get a varying purchase on a cotter-pin.

1,589,426. GAS BURNER. JOHN P. REINECKE, Lorain, Ohio, assignor to The Hoffman Heater Company, Lorain, Ohio, a Corporation of Ohio. Filed July 18, 1924. Serial No. 726,819. 2 Claims. (Cl. 158—112.)

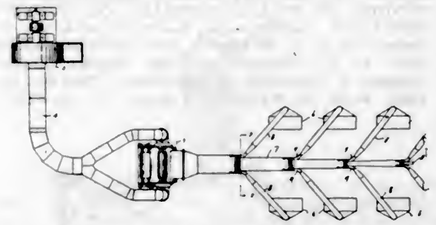
1. A gas burner comprising a tubular head portion and a tubular body portion of smaller diameter communicating with the inner end of the head portion, an annular flange within the head portion forming a continuation of said body portion, a closure member secured upon the outer end of said head portion said member having

peripheral notches forming gas outlets, and said member having an inwardly projecting boss upon its inner side, interfitting shoulders on said cover plate and head



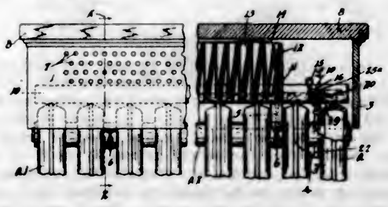
for positioning said boss in axial alignment with said annular flange, and a perforated tube within the head portion, said tube having its opposite ends fitting upon said annular flange and boss respectively.

1,589,427. APPARATUS FOR HANDLING LINT COTTON. JOHN C. ROGERS, Houston, Tex., assignor of one-half to Houston Blow Pipe & Sheet Metal Works, Houston, Tex., a Corporation. Filed Dec. 10, 1924. Serial No. 754,922. 14 Claims. (Cl. 19—72.)



1. A lint flue formed of sections gradually enlarging toward the discharge end of said flue and feed flues entering the inlet end of said respective sections, the entering ends of the feed flues being parallel with said lint flue.

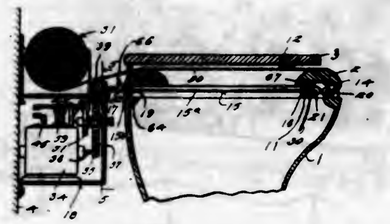
1,589,428. METHOD OF HUMIDIFYING AND STERILIZING AIR. EDWARD C. ROSENOW, Rochester, Minn. Filed June 12, 1922. Serial No. 567,550. 2 Claims. (Cl. 167—3.)



1. The method of producing a sterilized and clean atmosphere in a room which consists in providing and maintaining a body of water with a sterilizing oxidizing nonvolatile germicide in solution therein and circulating the air in said room through an absorbent sheet of fabric material disposed in contact with said water and moistened thereby, thus trapping the dust, impurities and germs in the air on said sheet of material whereby said germs are killed by said germicide and said water kept in a sanitary condition by said germicide and the air in said room cleaned and sterilized without having odors or fumes imparted thereto.

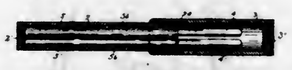
2. The method for producing a sterilized and clean atmosphere in a room which consists in providing and maintaining a body of water with an oxidizing nonvolatile germicide in solution therein and circulating the air in said room into contact with an absorbent sheet of fabric material disposed in contact with said water and moistened thereby, thus trapping the dust, impurities and germs in the air on said sheet of material whereby said germs are killed by said germicide and said water kept in a sanitary condition by said germicide and the air in said room cleaned and sterilized without having odors or fumes imparted thereto.

1,589,429. MACHINE FOR APPLYING AND REMOVING SANITARY COVERS FOR TOILET SEATS. OSCAR T. ROUSE, Chicago, Ill. Filed Apr. 4, 1925. Serial No. 20,707. 10 Claims. (Cl. 4—247.)



1. A rolled strip of sanitary covers for the seat of a toilet one of which rests upon the seat, a pair of feed rollers journaled below the seat and between which a portion of the strip is located, an electric motor, means establishing a driving connection between the rollers and the motor, a switch for the motor, and means adapted to hold the switch closed for a predetermined length of time.

1,589,430. THERMOMETER CASE. CLAUDE S. J. RUSSELL, Watertown, N. Y., assignor to Faichney Instrument Corporation, Watertown, N. Y., a Corporation of New York. Filed Mar. 8, 1926. Serial No. 93,142. 1 Claim. (Cl. 206—16.5.)

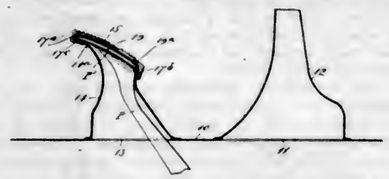


In a thermometer case, a hollow body, a telescoping cap therefor, and a tubular member adapted for insertion in said body having opposed spaced longitudinal flutes extending throughout the length of said tubular member to provide longitudinal sheaths to receive a pair of thermometers, said sheaths having their opposed faces slitted intermediate their ends and the slitted portions being displaced inwardly to provide tensioning means adapted to cooperate with the opposed fluted portions for exerting pressure upon and to prevent accidental displacement of the thermometers in the case.

1,589,431. PROTECTIVE GUARD AND PEDAL SHOE FOR AUTOS. WADIE SAAD, Boston, Mass., assignor to Saad Manufacturing Co., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 12, 1923. Serial No. 668,232. 8 Claims. Cl. 74—81.)

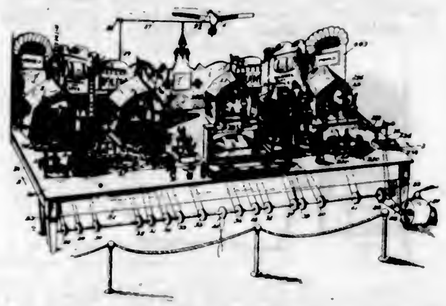
1. A device of the kind described, comprising a mat having apertures to receive the operative pedals and levers of an automobile, flexible sheath sleeves borne by

said nut to embrace said pedals and levers, said sheath sleeves extending completely around and fitted to the



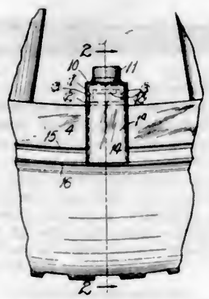
pedal heads, and shoes permanently fixed to the outer portions of said sleeves and formed to fit over the heads of the pedals.

1,589,432. TOY CARNIVAL. PHILIP ALLEN SAPP, Eufaula, Ala., assignor to Kiddie's Karnival Corporation, Eufaula, Ala., a Corporation of Alabama. Filed Feb. 1, 1923. Serial No. 616,409. 11 Claims. (Cl. 46—40.)



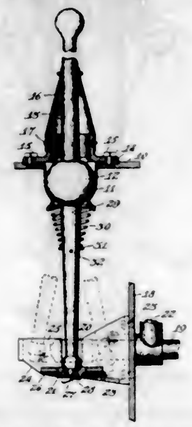
3. A toy carnival comprising a table, a background at one side of the table, a plurality of large tents each containing independently operable toys arranged in front of the background, a plurality of smaller untented toy units arranged on the table in front of the tents, a common drive shaft, and individual driving connections for said operable toys and said toy units.

1,589,433. TIRE LOCK FOR AUTOMOBILES. WALTER J. SCHMID, St. Louis, Mo. Filed July 3, 1924. Serial No. 723,924. 8 Claims. (Cl. 70—90.)



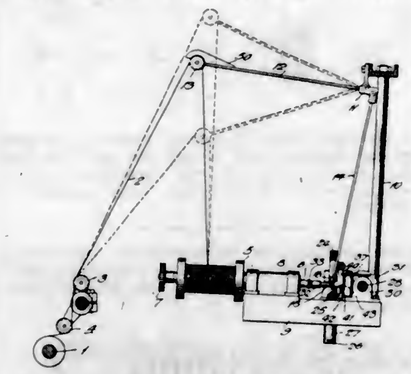
1. An automobile tire lock comprising, in combination with the felly of the wheel, a lock keeper rigidly secured on the inner circumferential face of the felly and extending substantially from said to side thereof, and a portable locking member open on one side and carrying a lock and adapted to be applied over and locked in position on the said keeper and having a member snugly engaging a metal rim on which the tire is mounted.

1,589,434. LOCK FOR GEAR-SHIFTING-LEVER MECHANISM. OTTO R. SCHOENROCK, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 4, 1924. Serial No. 753,783. 14 Claims. (Cl. 74—39.)



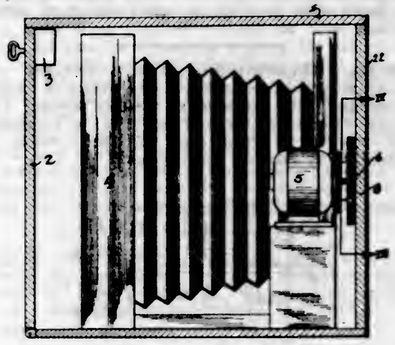
1. In a gear shifting mechanism, a housing therefor, a lever mounted in the housing for universal movement, a stationary guide member carried by the housing, and cooperating means on the lever and guide member for retaining the lever in adjusted position.

1,589,435. MECHANISM FOR CONTROLLING THE UNWINDING OF STRAND MATERIAL AND GUIDING THE SAME. ARCHIBALD D. SCOTT, deceased, late of Jersey City, N. J., by Mary V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Oct. 31, 1923. Serial No. 671,902. 9 Claims. (Cl. 242—156.)



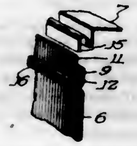
1. In a machine for winding strands, the combination of a supply spool mounted to rotate freely, a winding spindle adapted to rotate said spool by pulling upon the strand leading therefrom, a source of power independent of the pull of the strand, means effective when the spool fails to feed the strand as rapidly as it is being wound upon the spindle or automatically applying said source of power to the spool to increase the rate of rotation of the latter, and a brake device automatically effective to check the rotation of the spool when the latter feeds the strand faster than it is being wound upon the spindle, said means and brake device permitting free rotation of the spool when the latter is feeding the strand at approximately the rate at which it is being used.

1,589,436. PROTECTED PHOTOGRAPHING DEVICE. JOHN ELLSWORTH SEEBOLD, La Salle, Ill. Filed May 9, 1925. Serial No. 29,023. 5 Claims. (Cl. 95—11.)



1. In a device of the class described, an armored casing having an opening therein, a revoluble bullet-proof closure therefor having an opening therein, a shutterless camera within said casing alined with said first opening and means including an electric circuit and motor for revolving said closure upon the closing of said circuit to effect a registration of said opening for taking a picture.

1,589,437. SHEET-METAL STRUCTURE AND METHOD OF MAKING THE SAME. JOHN C. SHEFFNER, Elgin, Ill. Filed Jan. 12, 1923. Serial No. 612,252. 6 Claims. (Cl. 220—76.)

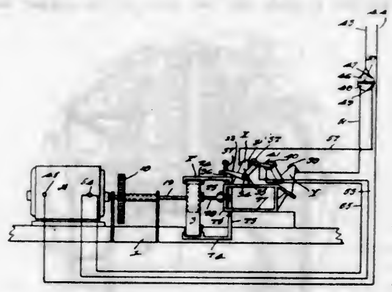


1. A sheet metal structure comprising sheet metal walls, the margin of one wall being provided with a groove and terminating outside of said groove in a downwardly extending flange and the margin of an adjacent wall being bent back upon itself and then folded over said flange with its edge disposed in said groove, whereby to lock said walls together.

1,589,438. FLEXIBLE NONMETALLIC ELECTRIC CONDUIT. HENRY M. SHORT, Penn Yan, N. Y. Filed June 17, 1922. Serial No. 569,089. 2 Claims. (Cl. 247—40.)

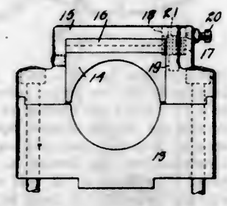
2. A flexible non-metallic conduit comprising, a helical paper cord, flexible longitudinal strands, and a knitted cotton binder having a chain stitch portion forming the interior surface and having the loop portions on the outside, and a composition impregnating the loop portion and filling between the adjacent coils of the helix and the chain stitch portion of the binder and securing the inner chain stitch portion to the helix.

1,589,439. DOOR-OPERATING MECHANISM. JESSE SNYDER and JAMES Q. SNYDER, Salt Lake City, Utah. Filed Mar. 7, 1925. Serial No. 13,929. 2 Claims. (Cl. 268—63.)



1. In a door operating mechanism, a support, a supporting frame slidable in the support, a rack frame slidable in the supporting frame, means for engaging the rack frame with a door to be operated thereby, a pinion meshing with the rack frame, means operable by the rack frame for holding the supporting frame in a raised or lowered position so that the pinion will be maintained in mesh with the teeth of the rack frame, a pair of switches mounted on the support and connected to be simultaneously operated so as to be alternately opened and closed, a motor operatively associated with said pinion, circuits including said switches and said motor, whereby the motor may be operated to rotate the pinion in one direction, and means on the supporting frame for operating the switches upon the raising and lowering of said supporting frame.

1,589,440. ADJUSTABLE BEARING FOR GRINDING WHEELS. AMOS P. STEINER, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed May 13, 1925. Serial No. 30,058. 4 Claims. (Cl. 308—65.)

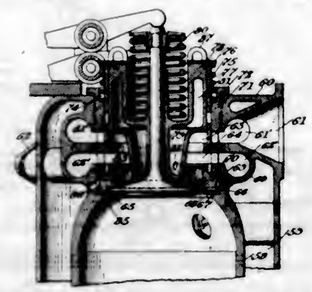


1. A spindle bearing comprising a fixed bearing member, a loose bearing member, a cap secured to the fixed bearing member for holding the loose bearing member in place, the material of the cap having a coefficient of expansion approximating that of the upper bearing, a wedge between the loose bearing member and the cap, said wedge having an inclined surface cooperating with an inclined surface on one of the adjacent members, and means for adjusting the wedge to force the loose bearing toward the spindle, substantially as set forth.

1,589,441. VALVE FOR INTERNAL-COMBUSTION ENGINES. VICTOR R. STENGER, Ithaca, N. Y., assignor of one-half to Thomas Brown, Chicago, Ill. Filed Apr. 15, 1919. Serial No. 290,186. 16 Claims. (Cl. 123—79.)

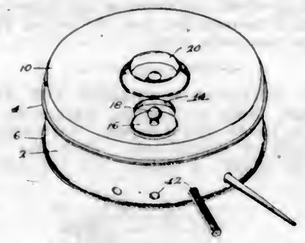
1. Valve mechanism for internal combustion engines, comprising a substantially cylindrical tubular body adapted to extend to the combustion chamber, said body defining a valve seat near its inner end, a poppet valve, two rows of circumferentially spaced ports in close

proximity to each other and to the valve seat and serving as intake and exhaust ports respectively, a transverse web extending from the wall of the cylindrical body at points beyond the said ports toward the center to provide a guide for the stem of the poppet valve,



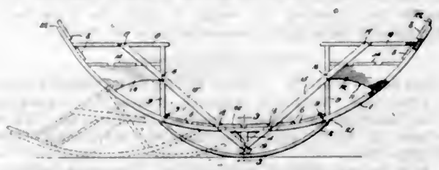
said guide and wall of the cylindrical body defining a substantially unobstructed annular passage for the gases intermediate the valve seat and the said ports, a casing surrounding the cylindrical body and providing manifolds and a sleeve valve intermediate the cylindrical body and the casing for controlling the ports.

1,589,442. DESK CABINET. HERBERT M. STURGIS, Kansas City, Mo., assignor to Aaron Levingston, Kansas City, Mo. Filed Nov. 22, 1923. Serial No. 676,265. 3 Claims. (Cl. 120—57.)



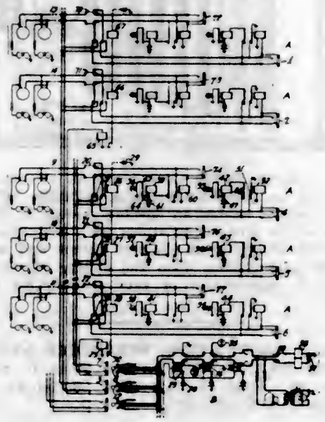
1. A desk cabinet consisting of a body having a plurality of compartments in its upper portion, a main lid covering the top of the body having an opening near its margin and adapted to be rotated upon said body to bring said opening into position over any of the compartments, a supplementary lid fitting in and partially closing the opening in said main lid, and a knob on the said supplemental lid whereby it may be mover orbitally around the axis of the main lid to rotate the same and bring the opening therein over any of the compartments in the body.

1,589,443. SEESAW ROCKER. JAMES E. TAYLOR, San Antonio, Tex. Filed June 27, 1924. Serial No. 722,787. 5 Claims. (Cl. 155—69.)



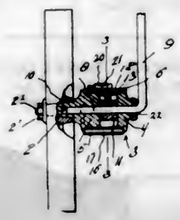
1. In a device of the class described curved bows, seats located adjacent to the ends of the bows, the bows being extended behind the seats to form backs therefor, and curved rockers located below the bows and mounted on the intermediate portions of the bows, the rockers being of a more pronounced curvature than the bows, whereby the intermediate portions of the rockers and the intermediate portions of the bows will support the device when the same is rocked toward an extreme position.

1,589,444. TELEPHONE-EXCHANGE SYSTEM. ELBERT W. THURSTON, Berwyn, and PHILIP M. CHASE, Brookfield, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 15, 1922. Serial No. 568,401. 11 Claims. (Cl. 179—58.)



1. In a telephone exchange system wherein telephone stations are provided with means for both transmitting and receiving messages, the method of broadcasting a message which comprises connecting a plurality of stations together, simultaneously calling said stations and preventing transmission from said stations during the broadcasting of a message.

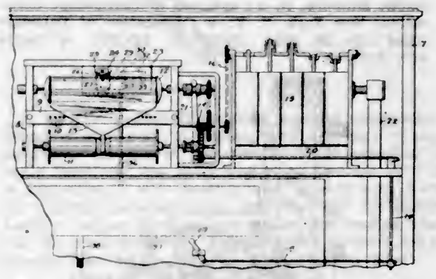
1,589,445. PLOW-WHEEL ATTACHMENT. JOHN ULRICH, Max, N. Dak., assignor of one-half to E. W. Burke, Max, N. Dak. Filed Sept. 17, 1925. Serial No. 56,950. 2 Claims. (Cl. 97—1.)



1. In combination with a furrow wheel having a hub extending outwardly therefrom, and an axle extending into the hub, the outwardly extending portion of the hub being divided to provide a pair of spaced sections, a collar surrounding the axle between the spaced sections, a set screw threaded through the collar and engaging the axle for adjustably securing the hub on the axle, of a sectional casing extending around the sections of the hub and enclosing the collar and the set screw, a portion of the casing being secured to the peripheral faces of the sections to provide a unitary structure.

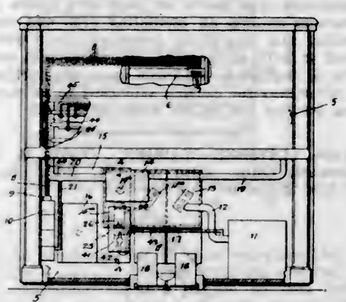
2. In combination with a furrow wheel having a hub extending outwardly therefrom, and an axle extending into the hub, the outwardly extending portion of the hub being divided to provide a pair of spaced sections, a collar surrounding the axle between the spaced sections, a set screw threaded through the collar and engaging the axle for adjustably securing the hub on the axle, of a sectional casing extending around the sections of the hub and enclosing the collar and the set screw, a portion of the casing being secured to the peripheral faces of the sections to provide a unitary structure, said casing including a pair of complementary semi-circular sections hingedly secured at one end, one of the sections being secured to the peripheral faces of the sections of the outer end of the hub, and means for securing the opposite ends of the sections of the casing.

1,589,446. MECHANICAL MUSICAL INSTRUMENT. BEVIER VAN GOMBER, New York, N. Y., assignor to Weser Bros., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 7, 1924. Serial No. 684,717. 12 Claims. (Cl. 84—134.)



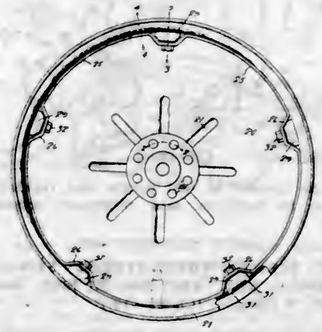
1. In a mechanical musical instrument controlled by a perforated music-sheet, devices for winding and rewinding the music-sheet, and means held in inoperative position and out of contact with the sheet during the forward travel of the sheet, but automatically brought to bear on the music-sheet during the rewind.

1,589,447. MECHANICAL MUSICAL INSTRUMENT. BEVIER VAN GORDER, New York, N. Y., assignor to Weser Bros., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1924. Serial No. 696,461. 15 Claims. (Cl. 84—40.)



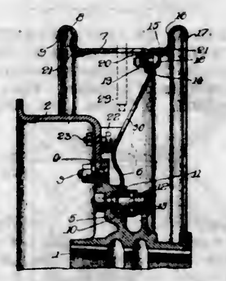
1. In a pneumatically-operated musical instrument, a main reservoir bellows, a wind-chest normally connected therewith, means for exhausting said reservoir bellows, a normally open valve controlling communication between said reservoir bellows and said wind-chest, and means actuated by said exhausting means for closing said valve to completely cut off said main reservoir bellows from the wind-chest.

1,589,448. AUTOMOBILE WHEEL. JAMES H. WAGENHORST, Jackson, Mich. Filed Sept. 23, 1922. Serial No. 589,983. 20 Claims. (Cl. 301—16.)



20. The combination of a wheel disk having a peripheral flange with inwardly-extending depressions formed therein at spaced intervals, a demountable tire-carrying rim, a plurality of inwardly-extending lugs attached to the base of said rim and fitting in said depressions, and a plurality of radially-extending bolts extending through holes in said depressions and screwed into said lugs, whereby the screwing up of said bolts distorts said flange into locking engagement with said rim.

1,589,449. AUTOMOBILE PRESSED WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 15, 1919. Serial No. 344,864. 6 Claims. (Cl. 301—9.)

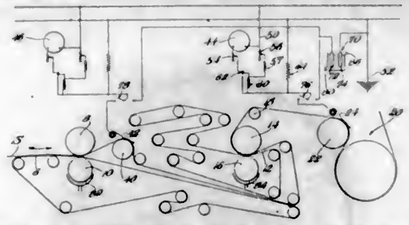


6. In a disk type of wheel, demounted as a disk from the hub with a brake drum fixed on to the hub in permanent relation thereto and provided with a series of bracing cushions in a position to register on the disk near the margin of the brake drum and aid in sustaining the latter on lateral thrusts.

1,589,450. METHOD AND MACHINE FOR MANUFACTURING PAPER. EZEKIEL J. WILSON, East Greenbush, and EDWIN A. REES, Albany, N. Y., assignors to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed June 19, 1925. Serial No. 38,368. 11 Claims. (Cl. 92—38.)

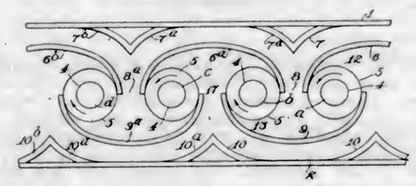
1. The method of manufacturing paper which consists in subjecting a traveling web of paper stock to successive operations, passing a current of electricity through the

web at points in its travel between operations thereon, indicating the resistance offered by the web to the pas-



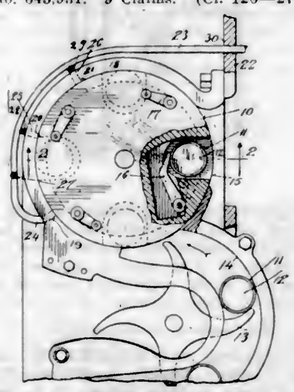
sage of the current at said points, and regulating the operations to maintain said resistance substantially constant.

1,589,451. TURBINE-WHEEL SYSTEM. FRANK M. ZOTTOLI, Boston, Mass. Filed Nov. 27, 1923. Serial No. 677,309. 8 Claims. (Cl. 61—19.)



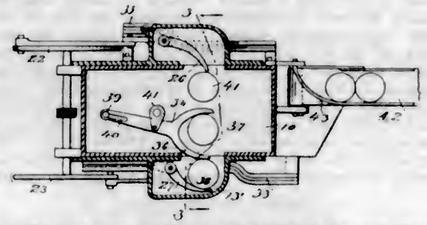
1. In combination with a sluiceway, a plurality of turbine wheels mounted therein in a series in the longitudinal direction of the sluiceway and spaced apart from each other, a plurality of deflecting walls on opposite sides of the series of wheels so arranged that the space between the proximate ends of the deflecting walls on one side will come opposite one of the deflecting walls on the opposite side, the two ends of each deflecting wall extending respectively to the periphery of the circle described by the blades of one of two adjacent wheels.

1,589,452. METHOD OF AND APPARATUS FOR VACUUMIZING MATERIALS. NEILS P. BACH, Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y., a Corporation of Delaware. Filed June 16, 1923. Serial No. 645,931. 9 Claims. (Cl. 126—272.)



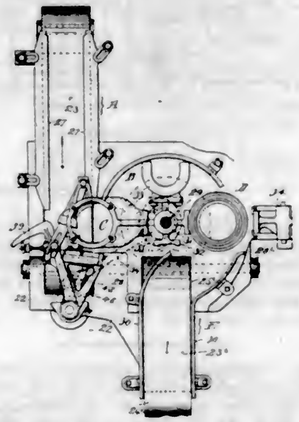
1. The method of submitting materials in containers to successively increased stages of vacuumization, which comprises causing containers to move through successively higher vacuumization areas and maintaining in said successive areas controlled gradations of vacuumization of a degree as will cause no disruption of the materials vacuumized.

1,589,453. AIR-SEATED VALVE FOR VACUUM CHAMBERS. NEILS P. BACH, Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y., a Corporation of Delaware. Filed June 30, 1923. Serial No. 648,854. 12 Claims. (Cl. 126—272.)



1. In a vacuum treatment apparatus, a vacuum chamber in combination with oscillating air seated valve for supplying commodities to said chamber.

1,589,454. VACUUM SEALING MACHINE. NEILS P. BACH, Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y., a Corporation of Delaware. Filed July 29, 1924. Serial No. 728,821. 6 Claims. (Cl. 113—27.)

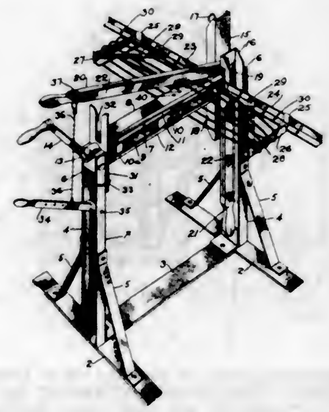


1. In a vacuum sealing machine, the combination of a can conveyor, and means for supplying covers for cans for vacuum sealing, an oscillating arm, and means for oscillating said arm freely across said conveyor, means situated in path of the cans, and above said oscillating arm to be engaged by said arm upon being tripped by a can, and means for causing said cans to be moved into sealing position for sealing under vacuum.

1,589,455. DIVIDED WASHER. OLIVER S. BARNUM, Alhambra, Calif. Filed Aug. 31, 1921. Serial No. 497,119. 5 Claims. (Cl. 85—51.)

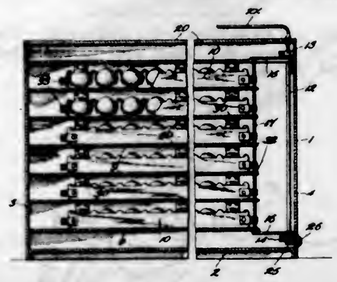
1. A washer of the character disclosed comprising separable halves adapted to encircle a shaft or bolt in a bearing or joint for the purpose of eliminating side play between the abutting surfaces thereof; said halves being provided with perforated experipheral lugs hinged upon a pivot therethrough; and a locking means adapted to maintain said halves in a normal closed position.

1,589,456. WIRE BENDING AND CUTTING MACHINE. PETER BEGHETTI, San Francisco, Calif. Filed Aug. 18, 1924. Serial No. 732,663. 7 Claims. (Cl. 153—64.)



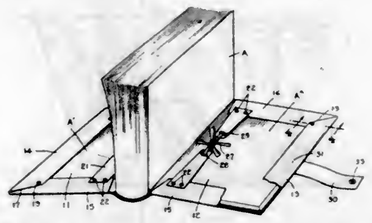
1. A wire bending and cutting machine comprising a frame, a shear-bend journalled therein, a pair of arms secured to one end of the shear-head and extending radially therefrom, the shear-head being disposed centrally of said arms, a wire bending head on each arm, means for rotating the shear-head, the arms and the bending heads in unison to wind wire about the bending heads and the shear-head, and cutting means movable toward opposite sides of the shear-head to sever the wire.

1,589,457. APPARATUS FOR PRESERVING EGGS. GEORGE H. BENEDICT and WILLIAM J. TUCKER, Washington, D. C., assignors, by mesne assignments, to American Warehouse Corp., Washington, D. C., a Corporation of Delaware. Filed Feb. 14, 1922, Serial No. 536,469. Renewed Nov. 16, 1925. 3 Claims. (Cl. 99—2.)



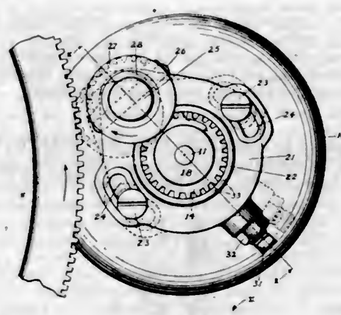
3. In an apparatus of the class described the combination of a receptacle provided with side and end walls; hinged supporting members carried by said walls; a plurality of plates provided with hook members movably mounted on said hinged members; a plurality of trays mounted on said plates, means for preventing longitudinal movement of said trays; a shaft journaled within said receptacle; a pair of spaced lever arms rigid with said shaft; a vertical rod rigidly connecting the ends of said lever arms, adapted to engage said hook members whereby said plates may be moved relative to said trays; and means for oscillating said shaft.

1,589,458. BOOK COVER. BARNEY BILLET, New York, N. Y. Filed Feb. 26, 1926. Serial No. 90,754. 5 Claims. (Cl. 281—34.)



4. A book cover comprising a major portion made from a substantially rectangular sheet of material by turning in narrow margins on all sides to form end flaps for the top and bottom edges of a book cover and side flaps for the side edges thereof, said end flaps each being slit at points equidistant from a median line of the sheet to form tabs to tuck in at the back of the book, means for securing the overlapping corners of the end and side flaps, and straps to connect the inner corners of the end flaps together.

1,589,459. MOTOR DRIVE. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 14, 1919. Serial No. 276,951. 8 Claims. (Cl. 74—7.)

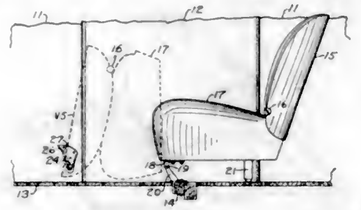


1. In combination with an engine fly-wheel provided with gear teeth along its rim, a motor driven shaft, a pinion mounted thereon, a carrier mounted to rock about said shaft as an axis, means for limiting movement of the carrier, a second pinion rotatable upon said carrier and meshing with said first named pinion, the line of centers of the motor shaft and second pinion lying to that side of the line of centers of the fly-wheel and motor shaft towards which the adjacent part of the fly-wheel rim is moving, and a resiliently actuated catch arranged to releasably hold the said carrier in either extreme of its movement, the catch having inoperative contact with the carrier intermediate the extreme limits of movement.

1,589,460. FOLDING-SEAT LOCK. ROWE H. COSGROVE, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich., a Corporation of New Jersey. Filed July 15, 1924. Serial No. 726,207. 3 Claims. (Cl. 296—65.)

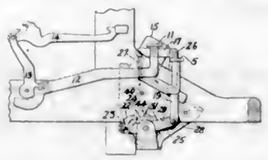
3. In combination, an automobile body having a floor, a seat pivotally supported on said floor, a back pivotally

supported on said seat, a projecting knob secured adjacent the top of said back, a socket member secured to said body adjacent said floor to engage said knob when



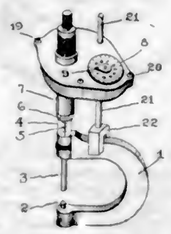
said back is folded on said seat and said seat and back are rotated as a unit about the pivotal axis of said seat to thereby secure said seat and back against movement.

1,589,461. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 19, 1922. Serial No. 595,496. 20 Claims. (Cl. 235—102.)



1. In a typewriting machine, a type-printing key, a normally active register operable by the key to count typed impressions, and means to predetermine variably an inactive interval for the register where successive operations of the key will print and not register.

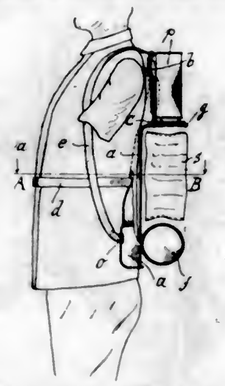
1,589,462. ATTACHMENT FOR MICROMETERS. ANSELM DE GHETTO, Clifton, N. J. Filed Sept. 18, 1924. Serial No. 738,367. 3 Claims. (Cl. 33—167.)



1. In a device of the character described having a rotatable shaft, a casing, a train of gears in said casing having a shaft, one of said gears having a hollow shaft, a dial on said casing, a pointer on the shaft of said gear train, and screw means to operatively connect said pointer and said hollow shaft to said rotatable shaft.

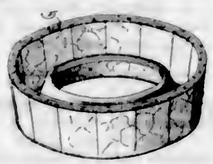
1,589,463. SUPPORTING DEVICE FOR SELF-CONTAINED BREATHING APPARATUS. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed Aug. 30, 1923, Serial No. 660,251, and in Germany Jan. 10, 1923. 3 Claims. (Cl. 224—8.)

1. A supporting device for self-contained breathing apparatus consisting of a lower section for supporting a predetermined part of said apparatus and an upper section connected with said lower section for independently supporting another predetermined part of said apparatus, said lower section being constructed in the form of a saddle dimensioned to fit the body and project upwardly,



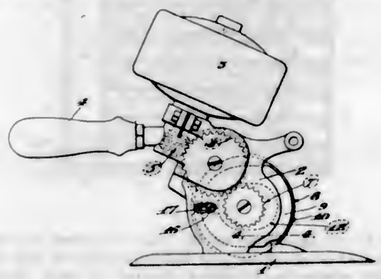
and downwardly beyond the waistline and to extend to a predetermined extent around the sides of the person wearing the apparatus, said lower section further being adapted to be secured to the lower part of the back.

1,589,464. INSULATING RING AND METHOD OF MAKING THE SAME. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Chicago Mica Company, Valparaiso, Ind., a Corporation of Illinois. Filed June 7, 1924. Serial No. 718,481. 9 Claims. (Cl. 18—56.)



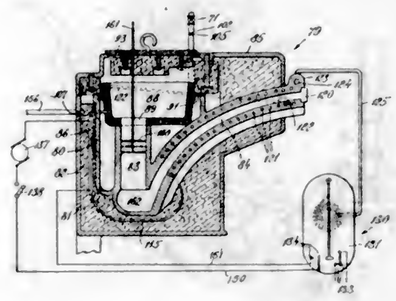
4. The method of making insulating bodies consisting in taking a plurality of layers of circular mica sheets piling them concentrically and subjecting them while hot to the action of a drawing die.

1,589,465. CLOTH-CUTTING MACHINE. JOHN B. GUAY, St. Louis, Mo. Filed Apr. 7, 1924. Serial No. 704,566. 4 Claims. (Cl. 164—84.)



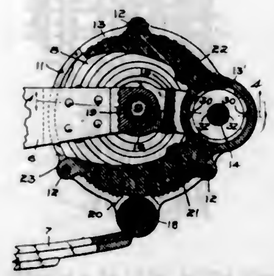
1. In a machine for cutting cloth and the like, a composite cutting element comprising a travelling cutting blade proper and a correlated stationary blade-like member in juxtaposition to said travelling blade, said stationary member having a relatively blunt edge terminating inward from the cutting edge of said travelling blade a relatively short distance and extending substantially parallel with and throughout the exposed extent of said cutting edge.

1,589,466. ELECTRIC HEAT-CONTROL SYSTEM FOR TYPE-CASTING MACHINES. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed Sept. 6, 1921. Serial No. 498,820. 65 Claims. (Cl. 22—80.)



26. In a heating system for type casting machines, an electric furnace for refining the working metal comprising a refining pot having a heat exchange chamber, a fuel combustion chamber in active relation with said pot, an electric glower therein, and means for passing a vapor through said glower into fuel in the combustion chamber, means for passing the unconsumed vapor from said furnace through the heat exchange chamber and thence to said machines, a heater for each of said machines operated by said unconsumed vapor to finally prepare the working metal for use in the machine, and conducting means for transferring metal from the master furnace to said pots.

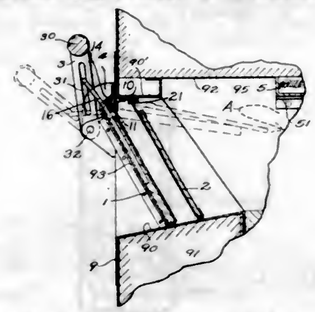
1,589,467. VEHICLE SUSPENSION SYSTEM. ROBERT H. HASSLER, Indianapolis, Ind., assignor to Robert H. Hassler, Inc., Indianapolis, Ind., a Corporation. Filed Nov. 17, 1919. Serial No. 338,472. 26 Claims. (Cl. 267—9.)



1. A combination of an auxiliary suspension spring interposed between an end of the main spring and one of the vehicle members, with frictionally engaged rotary disks for damping the oscillatory movements of the said auxiliary spring.

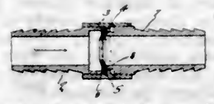
1,589,468. BAKE OVEN. PETER HIEB, Seattle, Wash., assignor to Ranier Electric Bake Oven and Equipment Company, Inc., Seattle, Wash., a Corporation of Washington. Filed June 27, 1925. Serial No. 39,960. 25 Claims. (Cl. 107—65.)

1. An oven door structure comprising a door frame, an inner and an outer door pivotally supported in said door frame, and means for positively swinging one of said doors from open to closed position, or the reverse, the other door being positioned to be contacted by the



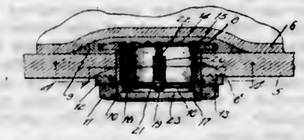
first door as the latter swings open to be moved into fully open position thereby, and to swing shut by gravity as the first door moves towards closed position.

1,589,469. COUPLING. JAMES A. HOMAND, Latin Station, Calif., assignor of one-half to Herbert V. Leahy, Los Angeles, Calif. Filed Mar. 8, 1921. Serial No. 450,646. 1 Claim. (Cl. 285—175.)



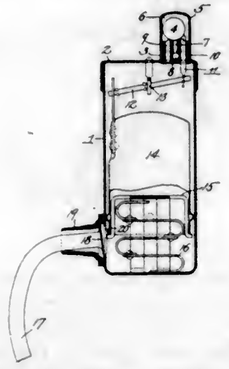
A coupling comprising a tubular coupling member having a sleeve removably secured thereto, said sleeve having an inwardly extending annular rib, a pliable gasket within the sleeve in the form of a disc held at its edge and having a port therethrough, the gasket being positively held between the rib and the end of the tubular coupling, a second tubular coupling member mounted to slide into the open end of the sleeve and having a face on its extreme end operating as an annular seat for engaging the side of the gasket, and operating to bulge the middle portion of the gasket out of its normal plane, said port being of smaller diameter than the bore of said second named tubular coupling member so that the material of said gasket projects inwardly at the edge of the port and presents an overhanging portion projecting within the circumference of the bore of the said second named tubular coupling member, said second named tubular coupling member being disposed on the side of the coupling toward which the fluid flows in passing through the coupling and the said second tubular member presenting an end face which projects past the normal plane of the gasket and bulges the middle portion of the gasket out of its normal plane whereby the pressure of the fluid on the said over-hanging inner portion of the gasket presses the gasket against said annular seat.

1,589,470. PRESSURE INDICATOR FOR PNEUMATIC TIRES. HARRY H. HOOD, Chicago, Ill. Filed Dec. 31, 1921. Serial No. 526,195. 5 Claims. (Cl. 73—110.)



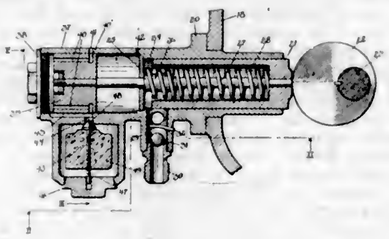
1. The combination with a pneumatic tire casing, of a pressure indicating device comprising a body member extending through a hole in one side of the casing, means for securing the member to the casing, a diaphragm disposed inside the casing and secured adjacent the inner end of said member, said diaphragm being responsive to variations in pressure of the fluid in said casing, and mechanical means disposed in the body and operated by said diaphragm for indicating the amount of pressure in said casing.

1,589,471. AIR VALVE. NORMAN HUBBARD, Elizabeth, N. J., Filed June 6, 1925. Serial No. 35,452. 10 Claims. (Cl. 236—62.)



1. In an air valve, a float chamber, a float and a thermostat therein, an auxiliary chamber in communication with the float chamber and having an opening leading to the atmosphere, a gravity valve closing on said opening and means operated by the float for unseating the valve when the float is lowered by the escape of water or the cooling of the thermostat.

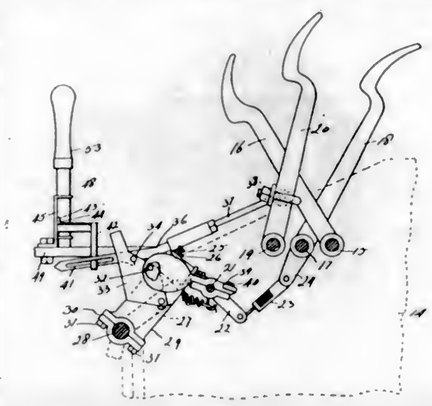
1,589,472. VACUUM FEED SYSTEM. ERNEST R. HUNTLEY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 7, 1920. Serial No. 372,046. 6 Claims. (Cl. 103—235.)



1. In combination, a pumping chamber having an inlet valve and an outlet valve for liquid to be pumped, a float in said chamber, an air cylinder closed at one end, a piston slidable therein, a connection between the top of said pumping chamber and said air cylinder, means for connecting the cylinder with atmosphere at times corresponding with both ends of the piston stroke, a valve controlled by said float for closing said first mentioned connection when the level of liquid in the pumping chamber reaches a predetermined height, a second cylinder connected to said air cylinder, a pump within said second cylinder, and single means for operating said pump and said piston.

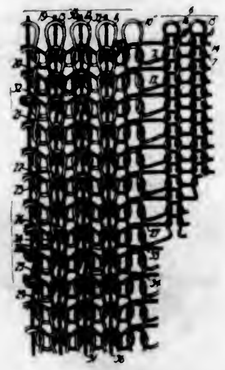
1,589,473. SAFETY DEVICE FOR AUTOMOBILE CLUTCH CONTROLLERS. OTTO KUGLER, Sr., Philadelphia, Pa. Filed May 23, 1924. Serial No. 715,288. 3 Claims. (Cl. 74—39.)

1. The combination with an automobile clutch controller including the usual pedals of an automobile transmission and a link plate, the latter provided with a pin, of a connecting clevis having one end pivotally connected with a brake pedal for movement therewith and further having means adjacent the other end for temporary



engagement with the pin on the link plate whereby said parts will move in unison and means to lift the connecting clevis to disengage it from a pin for the purpose specified.

1,589,474. KNITTED FABRIC. VINCENT LOMBARDI, Brooklyn, N. Y. Filed Jan. 22, 1925. Serial No. 3,899. 16 Claims. (Cl. 66—201.)

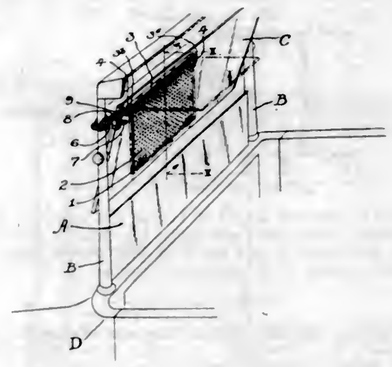


1. A closely knitted fabric of a plurality of yarns in a single web, certain of said yarns comprising loops in a plurality of wales and a plurality of rows, each wale comprising a loop in each row, and a reinforcing yarn for said fabric extending behind a plurality of said loops parallel to and intermediate the loops of a wale and arranged by frictional engagement with the yarns of said fabric included in said wale to prevent the fabric from sagging.

1,589,475. NONGLARE SCREEN FOR AUTOMOBILES. CHRISTOPHER M. LOWTHER, New York, N. Y. Filed Sept. 28, 1923. Serial No. 665,304. 9 Claims. (Cl. 296—97.)

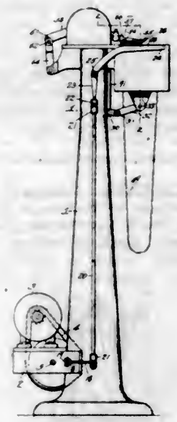
1. A non-glare device for embodiment in an automobile or the like, comprising a perforated sheet of relatively

light weight stiff material, a support therefor, interconnecting springs between said sheet and said support



whereby vibration in the plane of the sheet is permitted irrespective of the motion of the support.

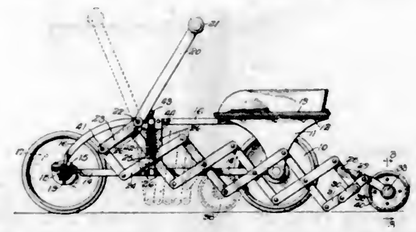
1,589,476. METHOD AND MACHINE FOR APPLYING LAUNDRY TAGS. JOSEPH H. LYNCH, Asbury Park, N. J. Filed Jan. 24, 1925. Serial No. 4,528. 16 Claims. (Cl. 153—1.)



1. The method of applying tags to goods which comprises assembling the tags on individual tag holders on a tag carrier, applying the goods to be identified to the tags while the tags are on the holders, clamping the tags on the goods and then removing the goods with the tags from the tag holders, whereby the tag carrier becomes a tally of the number of tags used and a keeper for the tags when not in use.

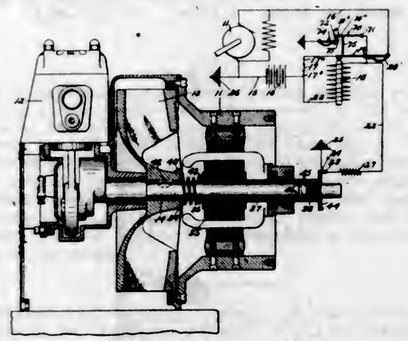
4. The combination with a tag applying machine of a tag carrier having a series of tag holders secured at regular intervals thereon, means on the machine for feeding the carrier one tag holder at a time, means acting alternately to the feeding means to close the tags and lock the same, and means on the tag holder for holding the tag from displacement on the holder during the closing of the tag.

1,589,477. PROPULSION MECHANISM FOR CHILDREN'S VEHICLES. JOHN HOWARD MCELROY, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 10, 1922. Serial No. 559,752. 4 Claims. (Cl. 208—38.)



2. In a device of the class described, the combination with a frame, of carrying means mounted thereon, a propelling element, a lazy tongs mounted on the frame and carrying the propelling element on its free end, a lever fulcrumed on the frame and connected with the lazy tongs, a spring pressed yielding bearing for said lazy tongs, and means for adjusting the tension of the springs on said bearing.

1,589,478. AUTOMATIC SWITCH FOR GENERATING SETS. DON D. MYERS, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,689. 9 Claims. (Cl. 290—31.)



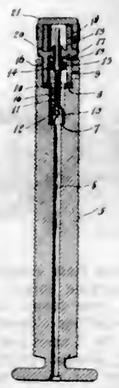
9. In an electric control system, the combination of a dynamo-electric machine having a slidable armature, a load circuit connected to said armature, a main switch in series with said load circuit, a secondary switch connected to and operated by said slidable armature, electromagnetic means for operating said main switch, an electric circuit connecting said electromagnetic means and said secondary switch, and means for preventing excessive arcing between said main switch contacts.

1,589,479. PNEUMATIC TIRE VALVE. FREDERICK MYERS, New York, N. Y. Filed Dec. 2, 1925. Serial No. 72,660. 4 Claims. (Cl. 152—12.)

1. In a pneumatic tire valve of the type described, a tubular valve casing, a tubular element, two valve seats in the bore of the tubular element which face towards and are equal distances from the opposite ends of the element, said tubular element being removably mounted with either of its ends projecting into the bore of the

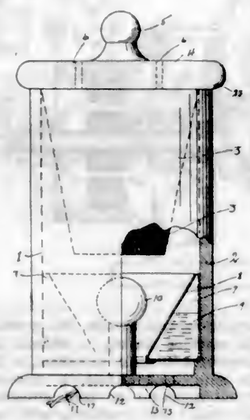
tubular casing, and a valve in the casing for cooperating with the valve seat in the bore of the tubular element which faces toward the valve.

2. In a pneumatic tire valve of the type described, the combination with a tubular valve casing, and a



stem carried, spring pressed valve positioned therein, of a port in the valve casing, and an element carrying a seat for said valve projecting into the casing and movable to open and close said port.

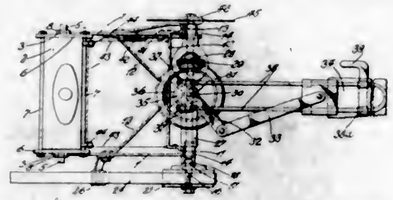
1,589,480. APPARATUS FOR TREATING TOBACCO. WILLIAM F. NAGEL, Ensley, Ala. Filed Apr. 22, 1925. Serial No. 25,125. 1 Claim. (Cl. 131—60.)



In apparatus of the class described, a chamber, a fenestrated container in the upper part of said chamber arranged to hold tobacco, an incandescent lamp beneath said container, and a second container arranged to hold liquid and having one of its walls arranged as a reflector for said lamp, substantially as shown.

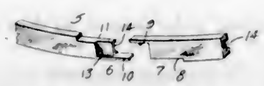
1,589,481. TRACTOR-DRIVEN MACHINERY. DAVID OBERNUEFEMANN, O'Fallon, Ill. Filed Feb. 9, 1925. Serial No. 7,754. 13 Claims. (Cl. 180—53.)

1. Machinery of the character described comprising a supporting frame, means for supporting said frame upon a tractor, driving mechanism supported by said frame, a working tool, means for imparting longitudinal reciprocating movements to said tool by said driving mech-



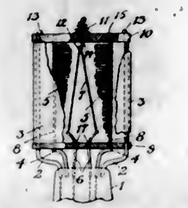
anism in different angles of lateral and longitudinal inclination of said tool, and means for operating said driving mechanism by the power of said tractor when the tractor stands in a stationary position.

1,589,482. PISTON RING. OLIE A. PENBERTHY, Leadwood, Mo. Filed Dec. 10, 1924. Serial No. 755,005. 1 Claim. (Cl. 24—109.)



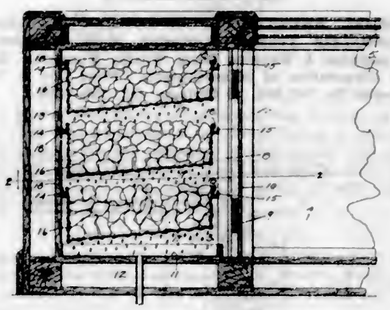
A piston ring having a lap joint formed at its connecting terminal portions of which one on one side edge is cut away, the other terminal portion on the same edge having a tongue corresponding to and lying in the place of the cut away portion, said other terminal portion being cut away on the opposite side edge in correspondence with the first terminal which is provided on the same side with a tongue occupying the space of said cut away portion, the first said terminal on the outer face being provided with an angular cavity and the second said terminal on the inner face with a similar cavity, the two cavities respectively receiving the outer and inner peripheral portions of the opposite terminal portions of the ring.

1,589,483. VACUUM TUBE. GEORGE H. PERRYMAN, New York, N. Y., assignor to Perryman Electric Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 3, 1925. Serial No. 66,553. 3 Claims. (Cl. 250—27.)



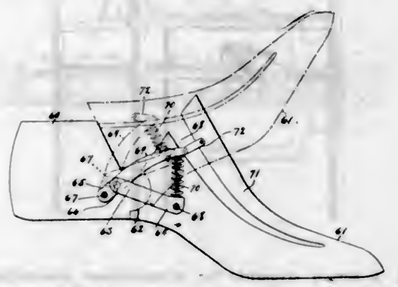
1. In an article of the class described, a base, a pair of plate supporting wires extending therefrom, grid supporting wires extending therefrom and filament supporting wires extending therefrom, a strip of insulating material located adjacent said base, said strip having a plurality of perforations through which the various wires project, said strip resting upon and supported by parts of the grid-supporting wires, an upper strip of insulating material at the ends of the various wires, the ends of some of said wires being bent over on the upper face of said strip so that said upper strip rests upon the upper end of the plate, and means held upon said upper strip for engaging and resiliently supporting the upper end of the filament.

1,589,484. REFRIGERATOR AND ICE CONTAINER THEREFOR. MORITZ REINOLDT, St. Louis, Mo., assignor to St. Louis Butchers' and Hotel Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 31, 1923. Serial No. 671,855. 1 Claim. (Cl. 62—37.)



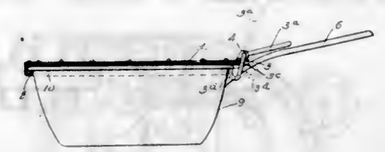
A refrigerator comprising a display chamber, a refrigerating chamber adjacent to and in communication therewith throughout its height and width, a plurality of woven wire baskets having inclined bottoms slidably supported in said chilling chamber, the uppermost of said baskets adapted to be filled with cracked ice and salt and the remainder of said baskets adapted to be filled with cracked ice and arranged in vertical spaced apart relation to each other so that the resulting brine drippings will pass to the next basket below, said baskets arranged so that the bottoms incline upwardly toward the display chamber whereby the space between adjacent baskets next to the display chamber is greatest thereby allowing a free circulation of chilled air, and a drip pan provided with a drain pipe located beneath the lowermost basket, said drip pan adapted to catch the drippings from said lowermost basket and conduct them away from the refrigerator and means for preventing any of said drippings to enter the display chamber.

1,589,485. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 21, 1924. Serial No. 707,796. 14 Claims. (Cl. 12—136.)



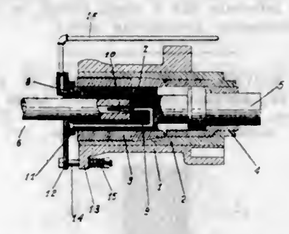
1. In a last of the divided type and comprising a heel part and a toe part, a link pivoted to the heel part, a link pivoted to the toe part, said links being pivoted to each other, and means for applying power to said links to hold the last parts in extended position and in collapsed position under tension.

1,589,486. SAFETY DRAINER. NELLIE E. SHARPNECK, East Bakersfield, Calif. Filed Apr. 20, 1925. Serial No. 24,592. 7 Claims. (Cl. 53—8.)



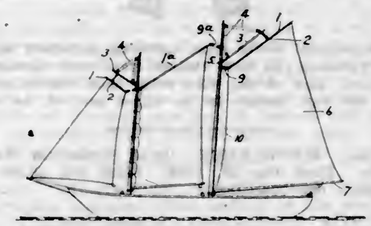
1. The combination with a pan having a handle, of a safety drainer comprising an angular frame, an inwardly projecting lug at one point on the angular frame and a clamping member pivotally secured to the angular frame at a point diametrically opposed to the said lug and having a handle portion extending over the handle of the said pan.

1,589,487. WATER FEED FOR ROCK DRILLS. JOHN E. SHAW, Murphy, Calif. Filed July 28, 1925. Serial No. 46,559. 3 Claims. (Cl. 121—10.)



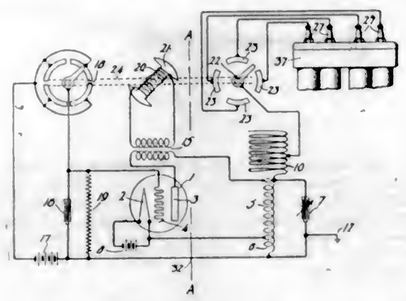
1. A water feed means for rock drilling machines comprising a chuck member turnably mounted in the machine at the head end thereof to receive the shank of a drill, passage means from the drill inwardly of the chuck to the outer end of said chuck, a stationary member over the outer end of the chuck, a water supply member attached to said stationary member, and means whereby water fed to said stationary member will be passed into said passage means regardless of the rotation of the chuck.

1,589,488. SAIL RIGGING. EDWARD W. SMITH, Philadelphia, Pa. Filed Mar. 24, 1924. Serial No. 701,317. 3 Claims. (Cl. 114—39.)



1. In a boat a sail free at the fore and aft edges thereof, a boom attached at the lower edge of the sail, a gaff attached at the upper edge of the sail, a spar from which the gaff is hung pivotally, a mast, the inner end of the gaff being clear of the mast, and an adjustable attachment for holding the inner end of the gaff in definite and controllable relation to the mast.

1,589,489. ELECTRIC IGNITION SYSTEM. HOMER CLYDE SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,208. 59 Claims. (Cl. 123—148.)



1. An ignition system comprising an oscillation generator including an electron discharge device and means to determine the frequency of the oscillations produced, a source of low tension alternating current supply for said generator, means to render the generator inoperative at selected intervals and a spark circuit in resonance with said frequency determining means.

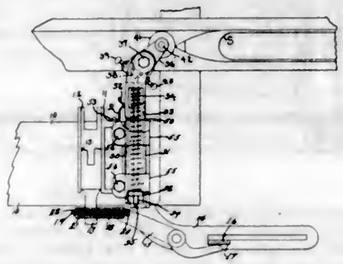
1,589,490. WOVEN WICK. FREDERICK W. SPANGLER, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a Corporation. Filed June 30, 1924. Serial No. 723,295. 1 Claim. (Cl. 67—69.)

A cylindrical woven wick including uniformly spaced warp threads, and weft threads, said weft threads in the lower part of the wick being more widely spaced than the weft threads in the upper part of the wick.

1,589,491. RIDING STICK. OSCAR SODERHOLM, Wahoo, Nebr. Filed May 26, 1925. Serial No. 33,040. 1 Claim. (Cl. 208—182.)

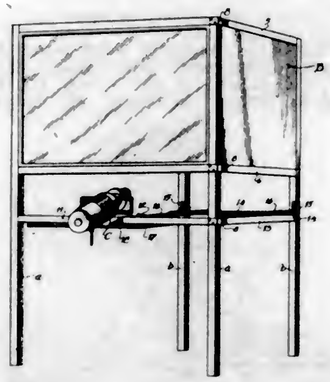
A riding stick having a cross-bar near one end, a rotatable imitation steering wheel in front of the cross-bar, a bar on one side of the rear end of the stick, a tongue support on the other side of the stick having a slit therein, a second bar on the side of the tongue support, bolts passing through the bars, stick and support, a ground wheel pivoted between said bars, a smaller wheel bolted to the side of the ground wheel and a tongue extending from the slit of the tongue support, the wheel teeth being so shaped as to operate the tongue when the wheel is turned in either direction.

1,589,492. SHUTTLE PLACER FOR LOOMS. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 1, 1924. Serial No. 741,034. 9 Claims. (Cl. 139—253.)



1. In a loom, a shuttle placer normally inoperative when the shuttle is properly placed and receiving a shuttle placing movement by engagement with a misplaced shuttle, said placer being movable forwardly with a widely misplaced shuttle, and movable laterally by a slightly misplaced shuttle, and means to arrest forward motion of the placer when moved laterally.

1,589,493. STEREOPTICON SCREEN. ALEXANDER FERDINAND VICTOR, Davenport, Iowa. Filed Feb. 12, 1923. Serial No. 618,632. 9 Claims. (Cl. 88—24.)

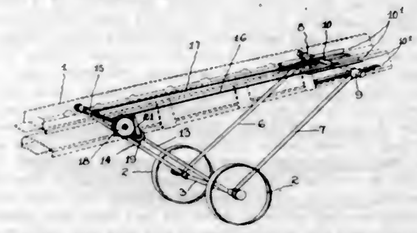


1. A screen structure for stereopticons comprising a translucent screen, a frame surrounding the same having its vertical members extending below the same to provide legs, sidewalls hinged thereto and extending rearwardly therefrom the rear vertical members of which are extended downwards to provide legs, a reflector at the rear of the screen between said sidewalls and means below the screen for supporting the stereopticon which latter is focused on said screen.

1,589,494. GOLF TEE. CARROLL P. WARD, Mount Vernon, Ohio, assignor of one-half to Herman Heckler, Mount Vernon, Ohio. Filed June 30, 1925. Serial No. 40,652. 3 Claims. (Cl. 273—33.)

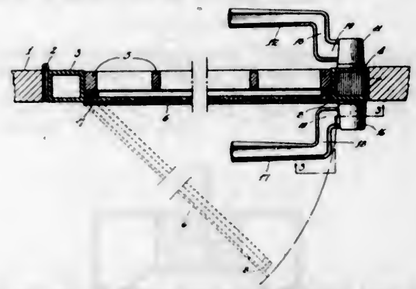
1. A golf tee comprising a ball supporting member having a rigid depending shank, a guard having a socket formed therein for the reception of said shank, and an elastic connection between said guard and said supporting member positioned to maintain the shank of said supporting member within said socket.

1,589,495. MECHANISM FOR POSITIONING TRUCK BODIES AND THE LIKE. JERE L. WENTZ, Passaic, N. J. Filed July 5, 1924. Serial No. 724,301. 2 Claims. (Cl. 254—4.)



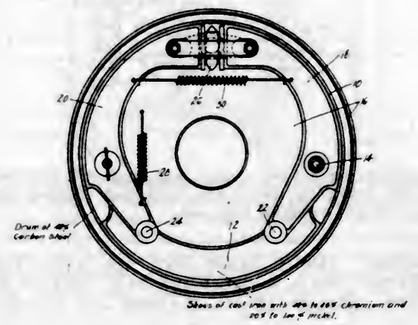
1. In a device of the character described a body, parallel longitudinal slots in said body, parallel runners fastened along the edges of said slots, a shaft transverse of and slidable longitudinally along said slots on said runners, a second shaft journaled in said body, means to rotate said journaled shaft, a V-shaped frame the arms of which may be moved with relation to one another, the ends of said frame being rotatably connected one arm to each said shaft, and means connecting said shafts whereby their relation may be varied.

1,589,496. VESTIBULE-DOOR HANDLE. JACOB M. WHALBE, New York, N. Y. Filed June 14, 1923. Serial No. 645,239. 2 Claims. (Cl. 16—110.)



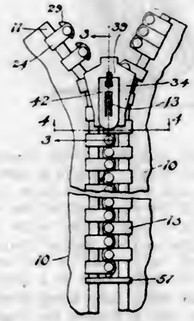
1. A handle for vestibule doors comprising a spindle housing, a hand grasp portion normally extending horizontally from said housing, and means permitting partial rotation of the housing relatively to the spindle, so that the hand grasp portion may be turned vertically to lie between the lateral limits of the forward frame bar of the door.

1,589,497. BRAKE. D'ORSAY MCCALL WHITE, Chicago, Ill., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1925. Serial No. 59,804. 6 Claims. (Cl. 188—2.)



1. A brake having, in combination, a drum having a friction part of carbon steel, and shoes having friction parts engageable therewith and made of cast iron containing nickel and chromium.

1,589,498. SEPARABLE FASTENER. ERNEST M. WHITNEY, Providence, R. I. Filed Dec. 21, 1925. Serial No. 76,651. 4 Claims. (Cl. 24—205.)

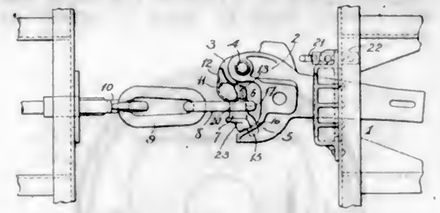


4. In a separable fastener, material lengths, interspaced interlocking units extending throughout the extent of one length, interspaced interlocking units extending throughout a portion of the extent of the other length in staggered relation to a part of the first units, a plurality of noninterspaced like, fixed units upon the remaining portion of the second length opposite the remainder of the first units and in contact with each other, and a slide slidably mounted upon the units.

1,589,499. CAR-COUPLING DEVICE. JOHN CLIFFORD WHITRIDGE, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed July 8, 1924. Serial No. 724,835. 2 Claims. (Cl. 213—112.)

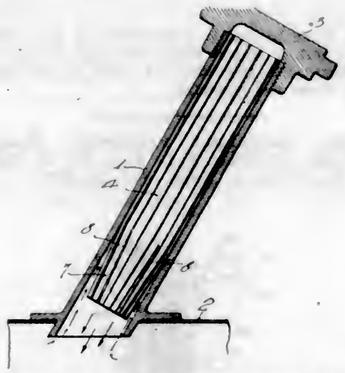
1. The combination of a coupling head provided with a pivoted knuckle having a recess and a guard arm having socket, a pulling block having a tongue at one end to removably enter the recess in the pivoted knuckle and enlargements to engage behind the knuckle, said pulling block having a rearwardly offset extension to freely and

removably enter the socket in the guard arm, and having a depressed rear seat intermediate of its ends, and a



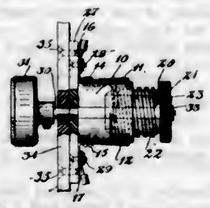
connection for a hook coupler, said connection including a link embracing the pulling block and engaging the same in said depressed rear seat.

1,589,500. LIQUID INLET AND AIR VENT FOR TANKS. ASA A. WILCOX, Elmira, N. Y. Filed Oct. 30, 1924. Serial No. 746,844. 4 Claims. (Cl. 220—86.)



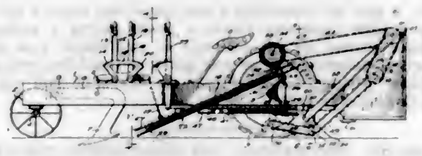
1. A liquid inlet and air escape passage for tanks, comprising an outer tube to lead to a tank, and an inner liquid conducting tube within said outer tube, said inner tube extending from the outer end of the outer tube substantially to the inner end of the latter and having alternate external ribs and air escape channels, said ribs contacting with the inner side of the outer tube from the outer end of the inner tube to a point spaced from its inner end, said inner tube being tapered from said point to its inner end to direct the ingoing liquid inwardly away from the outer tube.

1,589,501. RHEOSTAT. MAURICE J. WOHL, Long Island City, N. Y., assignor to Harry Hertzberg, Brooklyn, N. Y. Filed May 26, 1925. Serial No. 32,942. 9 Claims. (Cl. 201—56.)



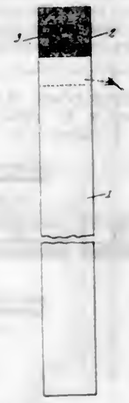
6. A rheostat comprising a plug of insulating material having a double thread on its outer side, a metal strip having a high resistance coefficient guided and located in the grooves formed by said double thread, passing from one side of said plug to the other side near the top of said plug and having lower dead ends, a pair of contact stops engaging said metal strip within different threads of said plug, said contact stops being adapted to be attached to a tube socket, and a knob for operating said plug to gradually and uniformly vary the resistance in an electric circuit.

1,589,502. BEET HARVESTER. CHARLES W. WOODSON, Los Angeles, Calif. Filed Oct. 31, 1922. Serial No. 598,136. 3 Claims. (Cl. 55—108.)



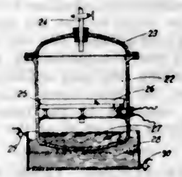
1. In a beet harvester, means for lifting beets from the ground, an inclined conveyor consisting of a pair of chains adapted to grasp the lifted beets and convey them upwardly and rearwardly, an evening device consisting of upper and lower pairs of conveyor chains, the upper pair of chains being arranged relatively close to each other to grasp the beet tops and draw them rearwardly, the lower set of chains being spaced from each other a greater distance than said upper chains and adapted to form guides to limit the upward movement of the beets, said upper and lower chains extending to points in proximity to said inclined conveyor, a pair of revolving cutting disks arranged adjacent the rear end of said evening device to sever the beet tops, and means for collecting the separated beets and tops and delivering them to separate receptacles.

1,589,503. BAND. KNOWLES YOUNGBLOOD, Atlanta, Ga. Filed Nov. 27, 1925. Serial No. 71,875. 1 Claim. (Cl. 24—17.)



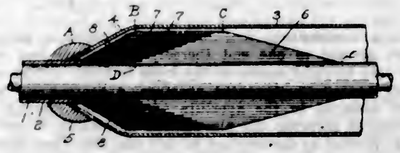
A band for holding laundered shirts and the like including an elongated imperforate strip, and a tab having an adhesive extending throughout the width and length of one surface thereof, one end portion of the tab lapping and affixed to one end portion of the strip, the lapping portion of the strip and tab constituting a reinforcement for the band, said tab being of a tougher material than the strip.

1,589,504. APPARATUS FOR OBTAINING VITAMINES. LEVON ARAKEL AGOPIAN, Paris, France. Filed Feb. 20, 1923, Serial No. 620,308, and in France Feb. 28, 1922. 3 Claims. (Cl. 34—30.)



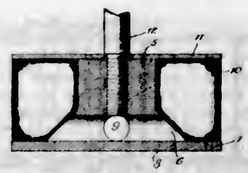
1. Means for desiccating vitamines containing material comprising a closed receptacle containing a body of sulphuric acid, means for exhausting air from said receptacle, means for supporting the material above the acid, and means for heating the supporting means.

1,589,505. CABLE-JOINT STRUCTURE. RALPH W. ATKINSON, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1924. Serial No. 742,591. 5 Claims. (Cl. 173—268.)



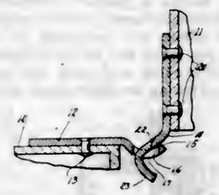
1. A joint structure for an insulated and metal-sheathed electrical cable including in combination with a cable end from which the sheath has been cut back exposing the insulation-enveloped conductor, of a joint casing with tapered end secured at its end to the cable sheath adjacent the cut-back end thereof and surrounding the insulation-enveloped conductor whereby the cutting away of the sheath it has been exposed, a body of solid insulation surrounding the insulation-enveloped conductor within the tapered end portion of the joint casing, and a cylinder of metal coaxially disposed with respect to the cable, embedded in said body of solid insulation and overlying the portion of the body of insulation within it to the exclusion of open spaces, such cylinder of metal, otherwise isolated, being electrically continuous with the adjacent cut-back end of the cable sheath.

1,589,506. ELECTROMAGNET. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Co., Wilmington, Del., a Corporation of Delaware. Filed Feb. 12, 1923. Serial No. 618,459. 2 Claims. (Cl. 175—367.)



1. An electromagnet comprising a core and having a substantially flat face of relatively large superficial area, a winding disposed about said core, and a plurality of passages extending through the core and substantially parallel to the face.

1,589,507. HINGE. FRANK J. BOND, Bravo, Mich. Filed Jan. 7, 1925. Serial No. 1,003. 5 Claims. (Cl. 16—172.)



1. A hinge comprising separable attaching members, one of which is curved downwardly and then upwardly at one end and provided with openings in the dished portion of said end, and the other member is similarly curved downwardly at one end and provided with tongues curved downwardly and then upwardly to extend through said openings and engage the curved end on the other member to positively prevent sliding movement of said members on each other when in their closed or folded position said tongues and end being curved and arranged to permit lifting of one member from the other member when moved from a superposed position through nearly a right angle.

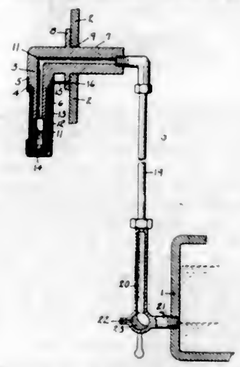
1,589,508. ROTARY REAMER. ALEXANDER BOYNTON, San Antonio, Tex. Filed Oct. 23, 1924, Serial No. 745,456. Renewed May 5, 1926. 6 Claims. (Cl. 255—76.)

1. In a rotary reamer for wells, a casing having a transverse opening extending out through its lower end and through one portion of its periphery adjacent its lower end, a single reamer blade having one end portion fitted in said transverse opening, means for pivotally connecting the reamer blade to the casing, said means including a horizontal pivot extending transversely of the casing to one side of its center, said casing having a cylinder formed therein, a piston operating in the cylinder and having a rack extending from its lower face at its periphery and engaging the periphery of the casing, said reamer blade having teeth meshed with said rack.

1,589,509. LIQUID-LEVEL GAUGE. ALICK L. CARTER, Kenmore, N. Y., assignor, by mesne assignments, to The Groian Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 21, 1921. Serial No. 516,762. 3 Claims. (Cl. 73—31.)

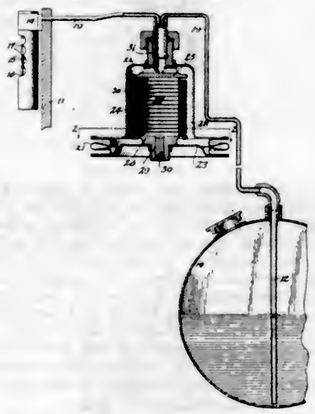
1. A pressure gauge, comprising an upright body having an upper enlarged end, a lower reduced end and downwardly facing upper and lower external shoulders

between said upper enlarged and lower reduced parts, and an arm projecting laterally from the upper end of said body and provided with an attaching flange, said body and arm having a passage therethrough and comprising a longitudinal upper port arranged in said arm and a vertical lower port arranged in said body and terminating at its lower end in an enlargement, a transparent tube surrounding said body and separated therefrom by an intervening annular liquid space and having



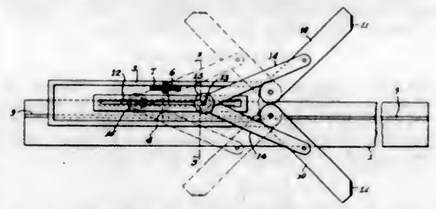
an open upper end which communicates with the atmosphere and engages said lower shoulder and has a closed lower end which is spaced from the lower end of said body, the space between said body and transparent tube and the lower part of the passage in the body being adapted to receive a gauge liquid, and a tubular guard casing surrounding said transparent tube and having a sight opening and engaging its upper end with said upper shoulder and having a bottom arranged below the closed lower end of said transparent tube.

1,589,510. LIQUID GAUGE. ALICK L. CARTER, Kenmore, N. Y., assignor, by mesne assignments, to The Groian Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed July 31, 1922. Serial No. 578,808. 1 Claim. (Cl. 73—54.)



In a liquid gauge, the combination with a tank for containing a liquid, of a compensating device responsive to the temperature changes and indicating means, said compensating device comprising a casing provided with inner and outer expansion and compensating chambers which are incommunicable, the lateral wall of the expansion chamber being of accordion type and separating the two chambers, a movable head and an accordion type wall connecting the head to the casing for closing the compensating chamber, said head carrying an additional head for closing one end of the expansion chamber, said casing having a tubular neck at its end opposite the said two heads, said neck having its passage in communication with the compensating chamber and the neck carrying a head for the other end of the expansion chamber, a tube connecting said passage and the indicating means, and an additional tube communicating with said passage and in turn extending into and adjacent the lower part of the tank below the liquid level, whereby as the compensating device responds to the temperature changes, the level of the liquid may show on the indicating means.

1,589,511. ANGLE FINDER. LEWIS J. CHERRY, Houston, Tex. Original application filed July 5, 1922, Serial No. 573,025. Divided and this application filed July 6, 1923. Serial No. 650,557. 2 Claims. (Cl. 33—91.)

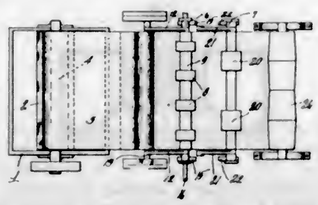


1. A combination tool including a block, a pair of arms pivoted to one end thereof, and whose free ends are bent at right angles to the arms to form catches said block having an elongated aperture, a bearing pin slidably mounted in the aperture of the block, means for releasably securing the pin against movement, a pair of links pivoted at the one end to said pin, the other ends of the links being pivoted to the respective arms, said block being provided with a deep groove, a blade fitted into said groove and being adjustable therein and a releasable clamp mechanism for securing the blade against detachment from the block.

1,589,512. CEMENT-ASPHALT COMPOSITION OF MATTER. ALBERT L. CLAPP, Danvers, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed June 23, 1920. Serial No. 391,165. 7 Claims. (Cl. 106—31.)

3. The herein described process of making a plastic composition capable of setting to a hard mass, which comprises mixing asphalt while in a liquid state with Portland cement, and then incorporating in the mass both an aqueous paste of Portland cement and an inert fibrous material.

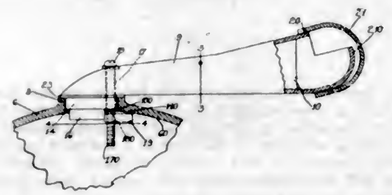
1,589,513. METHOD AND MACHINE FOR MAKING FIBER BOARD OF VARIABLE THICKNESS. ALBERT L. CLAPP, Danvers, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 7, 1924. Serial No. 697,487. 13 Claims. (Cl. 92—42.)



3. The method of making a paper board on a wet paper machine, which comprises removing portions of the web of pulp deposited on the blanket of a machine.

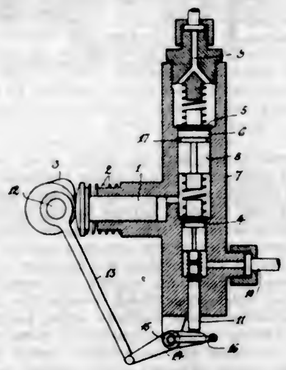
the amount removed being progressively variable across the width of the blanket, and collecting the remainder of the pulp so deposited on a make up roll, having its periphery formed lengthwise to the desired tapered contour.

1,589,514. FILLING ATTACHMENT FOR FUEL TANKS. OLIVER CREED, Cincinnati, Ohio. Filed Nov. 14, 1923. Serial No. 674,753. 6 Claims. (Cl. 220—86.)



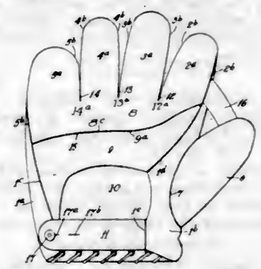
1. In a device of the class described the combination of a casing, a cup on one end of the casing, a wall within the casing for forming two passages through the casing, one of said passages being suitable for receiving the end of a nozzle in substantially the direction of its length adjacent the cup and without constriction of the other of said passages, a cap for effecting a closure for the cup end of the casing, means for locking the cap on the casing and means for mounting the casing upon a tank.

1,589,515. FUEL-FEEDING DEVICE OF INTERNAL-COMBUSTION ENGINES. AXEL UNO STURE DANIELSSON, Stockholm, Sweden, assignor to Aktiebolaget Atlas-Diesel, Stockholm, Sweden. Filed Aug. 20, 1924, Serial No. 733,234, and in Sweden Jan. 19, 1924. 2 Claims. (Cl. 123—140.)



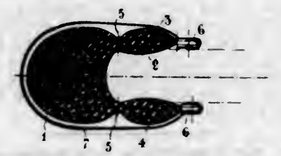
1. Feeding device for liquid fuel in internal combustion engines, including in combination a fuel injection device, a delivery chamber for supplied fuel, a valve device provided between the delivery chamber and the injection device, an overflow valve for fuel superfluous for the working stroke of the engine piston and leading from the said chamber, and a member located between the delivery chamber and the conduit leading from the valve device to the injection device, adapted to be shifted automatically by the pressure of the fuel and so constructed, that the same at the reduction of the pressure in the delivery chamber resulting from the opening of the overflow valve, is forced backwards and increases the volume of the said conduit and thus reduces the pressure of the fuel contained in the conduit.

1,589,516. BASEBALL GLOVE. HENRY DENKERT, Johnstown, N. Y. Filed May 23, 1925. Serial No. 32,247. 3 Claims. (Cl. 2—19.)



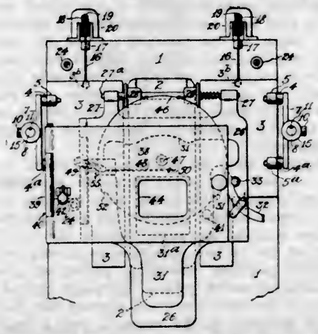
1. In a glove, the combination with a palm member provided with front finger portions, of a finger back member formed from a single piece of material containing four integral finger back portions, said finger back member having its inner marginal edge formed on substantially the arc of a circle and in a smooth unbroken line so that when the finger back portions are united to the front finger portions the inner edges of the finger back portions will be in a substantially straight line extending transversely across the entire back of the glove from one edge to the other.

1,589,517. RESILIENT PADDING. LEON EMMANUEL BRUNO DESMARQUOY, Paris, France. Filed Apr. 4, 1925. Serial No. 20,770, and in France Nov. 21, 1924. 1 Claim. (Cl. 155—184.)



Resilient cushion padding, comprising a filling, a wrapper enclosing the same; said wrapper and its filling being shaped to form a member of trough- or U-section, the opposite arms of which are provided at their inner ends with stitching and at their free outer edges with flaps; and a flexible outer envelope enclosing said wrapper and having its edges folded over said flaps.

1,589,518. CINEMATOGRAPH-MACHINE SAFETY DEVICE. ARTHUR LESLIE DITTMER, Carlton, Victoria, Australia. Filed Jan. 15, 1924, Serial No. 686,449, and in Australia Nov. 27, 1923. 10 Claims. (Cl. 88—17.)



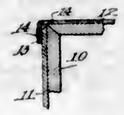
1. In a cinematograph, a rotatable safety shutter combined with means which by friction of the film in motion are located so as to hold the shutter in a position which

allows light to be projected through the shutter and film, the said frictionally positioned means containing an apertured plate connected to spring means, the plate being connected to the shutter so that movement of the plate by the spring means causes the safety shutter to turn on its axis to intercept the light and prevent the latter striking the film.

1,589,519. SEPARATION OF SODIUM CHLORIDE FROM MIXED SALTS. CLINTON E. DOLBEAR, Pasadena, Calif. Filed Apr. 25, 1925. Serial No. 25,942. 7 Claims. (Cl. 23—41.)

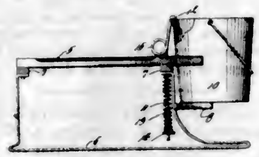
1. The method of separating sodium chloride from mixed salts, comprising subjecting the mixed salts for a limited period of time to the action of cold water; and then separating the undissolved salts from the brine.

1,589,520. HAND LUGGAGE. BAMFORD ELLIOTT, Worcester, Mass., assignor to Warren Leather Goods Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1924. Serial No. 731,304. 5 Claims. (Cl. 190—41.)



1. In hand luggage, a casing formed of rigid frame members meeting in a corner, a layer of covering material of substantial thickness secured to one face of said casing and extending to said corner, a second layer of covering material of substantial thickness secured to a second face of said casing and extending beyond said corner to overlap said first mentioned covering material, and a row of stitches extending diagonally through the body portion and the overlapping portion of said second layer of covering material and also extending through the edge portion of said first layer of covering material externally of said frame members.

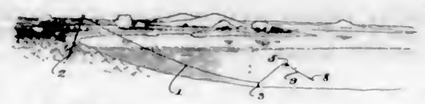
1,589,521. MILKING STOOL. JOHN EDWARD ENGLAND, Springfield, Mo. Filed June 17, 1925. Serial No. 37,831. 2 Claims. (Cl. 31—57.)



1. A milking stool including a seat board, supporting means for said seat board, a pail support mounted below the seat board at the forward end of the latter, and means to retain a pail on said support, said pail retaining means embodying a rod slidable vertically through the seat board and having a hooked upper end adapted to engage over the upper edge of the pail, and a spring encircling the rod beneath the seat board for forcing the rod downwardly.

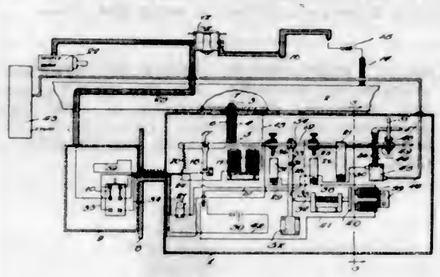
2. A milking stool including a seat board, supporting runners for the seat board arranged longitudinally of and at the sides of the latter, said runners comprising strips of metal having upright end portions secured at their upper ends to the under side of the seat board at the ends of the latter, said runners having return-bent intermediate portions providing horizontal ground engaging members which project forwardly beyond the forward end of the seat board and beyond the forward upright end portions of the runners, and a pail support mounted on the forward upright end portions of the runners below the seat board and at the forward end of the latter.

1,589,522. FISHING TACKLE. PAUL FELIX, Little Falls, Minn. Filed Mar. 24, 1925. Serial No. 17,932. 1 Claim. (Cl. 43—27.)



A fishing tackle comprising a line, a weight carried thereby, a wire attached to the end of the line by a swivel connection, a float and hook supported thereby, the float being generally in the form of a flattened oval with spiral grooves, so that relative movement between the float and surrounding water will cause a turning movement of the float about its axis.

1,589,523. VEHICLE ALARM. EMANUEL G. FERRER, Hayward, Calif. Filed Feb. 15, 1923. Serial No. 619,188. 2 Claims. (Cl. 177—314.)

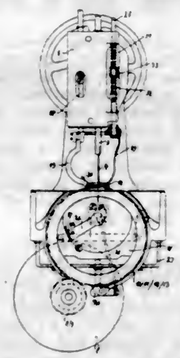


1. The combination with a vehicle signal electrically operated, an engine, of a circuit maker and breaker for said signal, said circuit maker and breaker comprising a pivoted armature arm, contacts carried by the armature arm and adapted to be moved into engagement with contacts, a notched arm carried by the armature arm and adapted to be held against movement in one direction by a spring actuated stop, magnets for moving the armature arm, switch means, which when closed operates the electrically actuated signalling means, magnetic alarm switch operating means whereby when an attempt is made to operate the engine, an alarm will be actuated, switch means for releasing the spring actuated detent suction means controlled by the engine upon starting of the engine whereby the armature arm will be rocked to operative position upon failure of the magnet means to rock the armature arm.

1,589,524. MACHINE FOR DRAWING OUT THREADS FROM TISSUES. HERMANN CHRISTIAN FISCHER, Vienna, Austria, assignor to the Firm: Durkoppwerke Aktien-Gesellschaft, Bielefeld, Germany. Filed Feb. 8, 1926. Serial No. 86,910, and in Germany Jan. 15, 1925. 10 Claims. (Cl. 112—78.)

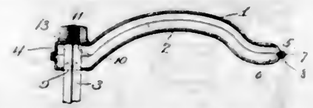
1. The combination, in a machine for drawing-out threads from tissues, of a feed-gear for advancing the tissue, pressure-feet to ensure the contact between said feed-gear and the tissue, a cut-off device comprising a

cutter and a counter-cutter, a separate pressure-foot coacting with said counter-cutter independently from said



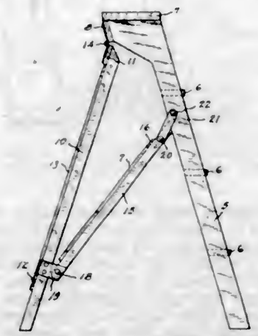
pressure-feet and means to approach said counter-cutter and said pressure-foot to one another at the moment of cutting, substantially as set forth.

1,589,525. AUTOMOBILE DOOR HANDLE. JOHN B. FREYSINGER, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn. Filed June 1, 1925. Serial No. 34,128. 1 Claim. (Cl. 292—347.)



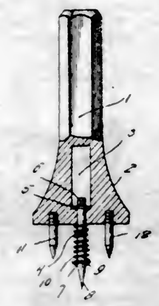
A door handle consisting of two similar mating transversely curved members permanently united by interlocking flanges through the entire extent of their edges, one of said members having a non-circular opening through its web adjacent one end to receive and fit around a spindle of like cross section whereby movement of the handle will turn the spindle and the other member having an opening through its web axially alined with the first-mentioned opening and of less area whereby said member may be fitted on a reduced end of the spindle and clamped against a shoulder on the spindle.

1,589,526. STEPLADDER. EMMETT A. FULLER, Renton, Wash., assignor to A. S. Fournier, Renton, Wash. Filed Oct. 12, 1925. Serial No. 61,988. 1 Claim. (Cl. 228—29.)



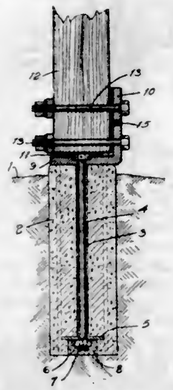
In a folding step ladder, a ladder member, a leg hinged to the upper end of said ladder member, a brace pivoted to the lower portion of said leg, and links pivoted at one end to said ladder member and at the other end to the upper end of said brace, the pivot connecting the ends of said links to said brace being below a straight line joining the other pivot of said links and the lower pivot of said brace, and the upper end of said brace abutting against said ladder member when said ladder is extended and said links permitting said brace to be folded between said ladder member and said leg.

1,589,527. PUNCH. FOSTER F. HALLMAN, West Berkeley, Calif. Filed Dec. 27, 1924. Serial No. 758,412. 1 Claim. (Cl. 33—191.)



A tool of the class described comprising a shank portion having a longitudinally extending slot in its intermediate portion and a bore leading from one end of the slot to the adjacent end of the shank portion, a center punch movable through the bore having one end disposed within the slot, a pin piercing said end of the punch, a washer held on said end of the punch by said pin, a second pin piercing the punch adjacent its other end, a washer on said punch abutting said last mentioned pin, and a spring between said last mentioned washer and said end of the shank portion whereby the first mentioned washer is normally held in abutment with said end of the slot, and an additional pair of punches detachably engaged with said end of the shank portion, one on each side of the first mentioned punch.

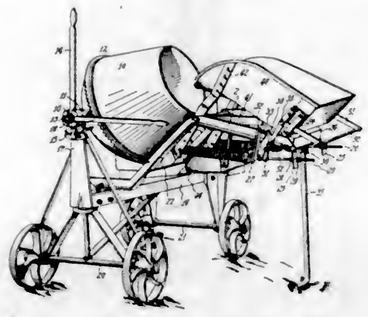
,589,528. CONCRETE POST. GEORGE B. HAYES, Denver, Colo. Filed Jan. 15, 1925. Serial No. 2,545. 1 Claim. (Cl. 72—84.)



A concrete post comprising, in combination, an elongated member of concrete, adapted to be set into the ground, a metal bracket adapted to be secured to said member, said bracket having a base whose underside is

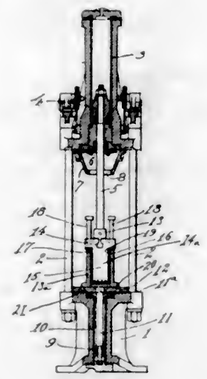
flat and which is adapted to rest upon the upper end of said concrete member, an anchoring bolt extending longitudinally through the concrete member and through the base, the upper surface of said base having upwardly extending lugs upon which the bottom of a wooden post may rest, said base having also two angularly related sides extending upwardly, said sides having a V-shaped groove between them for the reception of round posts of any diameter and which may be held in said groove by a clamping bolt.

1,589,529. HAND LOADER FOR CONCRETE MIXERS. WILLIAM BERRY-HOLLAND, Sydney, New South Wales, Australia. Filed July 31, 1925, Serial No. 47,382, and in Australia Aug. 16, 1924. 4 Claims. (Cl. 214—30.)



1. A hand operated loading attachment for rotary drum concrete batch mixers, including a charging hopper and counterbalancing springs adapted to swing the loaded hopper upward into the discharging position and to normally retain the empty hopper in that position.

1,589,530. STRIPPING AND FILLING PRESS. ROBERT HOLZ, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Apr. 30, 1923. Serial No. 635,550. 1 Claim. (Cl. 18—16.)



In a device of the character described, the combination of a male die part, a female die part, and a press, having a bed, and a reciprocating plunger shaft, of means for removably mounting and retaining the female and the male die parts on the press bed, and the shaft respectively, said mounting means being adapted to release both die parts while in engagement with each other, for the purpose described.

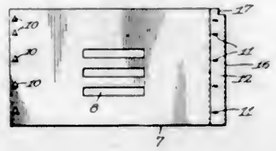
1,589,531. PROCESS OF MAKING FILTERING MATERIAL. WILLIAM H. HOODLESS, Philadelphia, Pa. Filed Mar. 10, 1921. Serial No. 451,346. 3 Claims. (Cl. 252—3.)

1. The process of producing kieselguhr the internal structure of which is lined throughout with finely divided de-colorizing carbon in the form of a thin film which comprises making an intimate mixture of dry kieselguhr and dry sawdust confining this dry mixture in a retort closed except for a small opening, heating this mixture so confined until a combustible vapour is generated and passes off through the opening and continuing this heating with the maintenance of the same temperature and the generation of the vapour until the vapour is no longer given off.

1,589,532. DECOLORIZING AND FILTERING MATERIAL AND ART OF PRODUCING THE SAME. WILLIAM H. HOODLESS, Philadelphia, Pa. Filed Mar. 10, 1921. Serial No. 451,347. 4 Claims. (Cl. 252—3.)

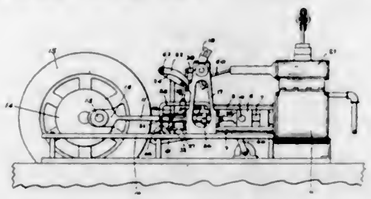
1. An improved filtering and de-colorizing material consisting of kieselguhr the porous interior structure of the particles of which are covered with a thin layer of carbon from heat-charred molasses.

1,589,533. RIBBON SPOOL. HENRY E. HUBBARD, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1925. Serial No. 50,594. 4 Claims. (Cl. 242—74.)



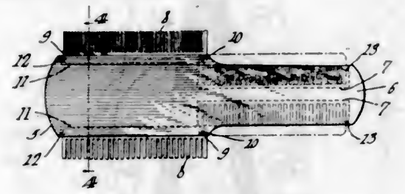
1. An ink ribbon spool formed of sheet metal and having a plurality of triangular shaped prongs stamped therefrom along one margin and corresponding openings stamped therefrom along the opposite margin, a ribbon interposed between said margins, and the prongs being forced through the ribbon and inserted in said openings and clinched on the inside of the spool.

1,589,534. VALVE MOTION. CARL JOHNSON, Milwaukee, Wis. Filed Sept. 15, 1921. Serial No. 500,804. 3 Claims. (Cl. 121—160.)



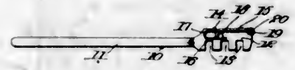
1. In combination with a steam engine including a valve rod and a connecting rod, a valve motion, comprising a pivotally connected block carried by said connecting rod, a rocker link pivotally connected to said valve rod, and a series of links connecting said block with said rocker link for transmitting motion from said connecting rod to said valve rod, said series of links comprising, angular oscillatory link members, connected together parallel rods connected to said link members, a U-shaped link member connected to both of the previously named set of link members, a vertical link member extending therefrom, and an arm connected thereto.

1,589,535. COMBINED BRUSH AND COMB. HENRY R. KRUSE, Sioux Falls, S. Dak. Filed Mar. 2, 1925. Serial No. 12,744. 1 Claim. (Cl. 132—86.)



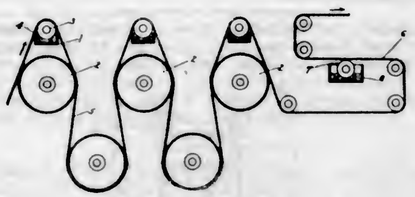
A combination toilet article comprising a brush having a recess in its handle to receive a comb and a recess in an edge of the back of the brush to receive the back of the comb, a comb pivoted between the aforesaid recesses for swinging movement into the handle and into engagement with the recess in the back of the brush, and means carried by the brush to engage the comb in either the aforesaid positions.

1,589,536. GLASS-CUTTING IMPLEMENT. NUNZIO LUISI, Elmira, N. Y. Filed Jan. 6, 1925. Serial No. 872. 4 Claims. (Cl. 49—52.)



1. An implement of the class described having a head provided with a bifurcation, a cutter extending into the bifurcation and a bracket on the head journaling said cutter and slidable to move said cutter therewith and out of the bifurcation.

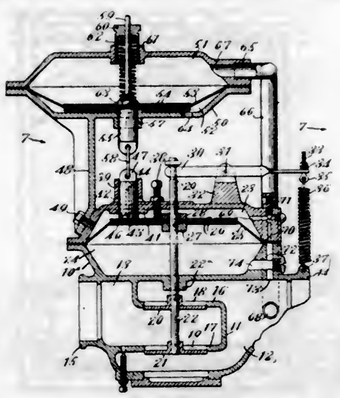
1,589,537. PROCESS AND APPARATUS FOR SATURATING FIBROUS WEBS. ALAN R. LUKENS and NEAL C. PIKE, Wyoming, Ohio, assignors to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed Sept. 14, 1925. Serial No. 56,152. 10 Claims. (Cl. 91—70.)



1. A process of forming fibrous saturated webs, which consists in forming a wet web of fibers, and drying said web by passing the same while still wet over a series of rollers that dip into hot bitumen so as to apply the bitumen to one side of the web, and intermediate the said rollers passing the sheet over drying rolls.

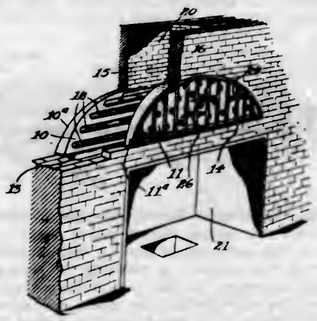
9. A saturating device comprising a drying roll, over which a web of fibrous substance is to be drawn, a lengthwise vessel or trough mounted in line with and above the said roll, and a roller mounted with said vessel so as to receive bitumen from said vessel by dipping action, and the roller and vessel being so related to the roll, as to permit the web to engage at one and the same time against the two sides of the roll, and over the said roller.

1,589,538. CONTROLLER FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Aug. 11, 1925. Serial No. 49,575. 18 Claims. (Cl. 243—12.)



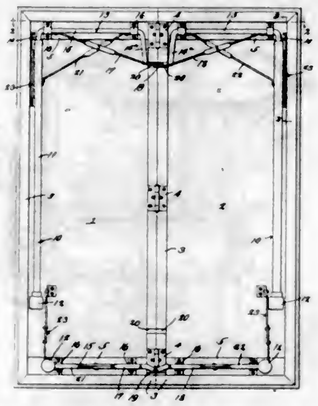
2. Pneumatic dispatch apparatus comprising a conduit and an exhauster connected therewith, a controlling valve located in the conduit, a minimum flow of air through the conduit being permitted when the valve is in closed position, a pressure sensitive pneumatic connected to the valve, said pneumatic responding to reduction in pressure in the conduit due to checking of the minimum flow caused by introducing a carrier into the conduit and by such response opening the valve, means tending slowly to restore the pneumatic to normal position during the flight of the carrier, and means preventing complete restoration of the pneumatic to normal position so long as the carrier remains in the conduit.

1,589,539. HEATING ATTACHMENT FOR FIREPLACES. LOUIS MARCHESSAULT, Minneapolis, Minn. Filed Jan. 14, 1924. Serial No. 686,003. 1 Claim. (Cl. 126—121.)



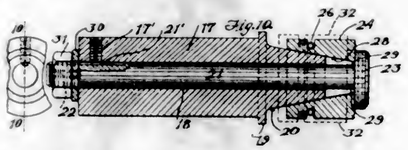
The combination with a fireplace structure having archways in the inner and outer walls thereof, of head and back plates each formed with an outwardly extending flange thereon and respectively designed to fit within and support the archways of said inner and outer walls, flues anchored at their ends in said plates and sloping upwardly and inwardly through the fireplace chimney, said flues communicating with the outer air through the back plate and opening through the front plate, the inclination of said flues serving to induce an ingress of air into the room, said air being warmed in its passage through said flues by the heat in said chimney.

1,589,540. FOLDING TABLE. R B MEEK, Bristol, Colo., assignor of fifty-one one-hundredths to Alice Meek and forty-nine one-hundredths to Harry L. Moran, both of Bristol, Colo. Filed Nov. 5, 1923. Serial No. 672,893. 2 Claims. (Cl. 45—116.)



1. A folding table comprising a top coinposed of leaves hingedly connected along their side edges and adapted to fold inwardly in superposed relation, U-shaped members arranged transversely of said leaves on their lower faces and alining one with the other, legs carried by the outer arms of said members, braces connecting the inner arms with the cross bars, said braces extending beyond said arms and pivotally connected with each other, the pivotal connection of said braces registering with the joints between the leaf sections to permit them to fold when the sections are collapsed, the cross bars of the legs of one leaf being made shorter than those of the other so that when the table is folded the legs of one leaf will fit within those of the other.

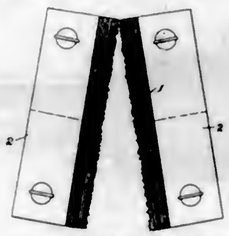
1,589,541. THREAD-CUTTING DEVICE FOR HOSE COUPLINGS. DAVID B. MILLER, Greenfield, Mass., assignor to The Wells Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed June 21, 1924. Serial No. 721,424. 3 Claims. (Cl. 10—127.)



3. A bearing member for the purpose described, having its outer end conical shaped and a flange at the inner end of the said conical part, a bolt receiving opening through the member, a plurality of separable segmental pieces located on the conical shaped end, a contractile spring surrounding the pieces for normally retaining the pieces in a closed position, means for securing the pieces on the cone shaped end including a bolt and a spline for preventing the bolt from turning, said flange serving to axially align the bearing member so that a true thread may be formed.

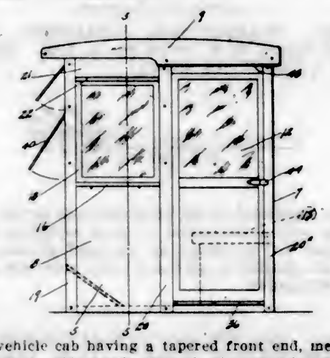
1,589,542. METHOD OF PRODUCING FIBRILLOSE MARGINS ON PAPER. JAMES A. MOORE, Dallas, Tex., assignor of one-half to Otto Schmoock, Dallas, Tex. Filed Feb. 15, 1926. Serial No. 88,295. 4 Claims. (Cl. 93—1.)

1. The herein described method of producing a fibrillose margin on paper which consists initially in securely clamping an indeterminate quantity of said paper of predetermined size at its opposing edges, then in saturating said paper in volume intermediate said clamped points, then in moving said clamped points in opposite



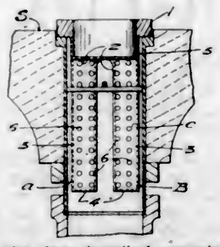
directions to sever said paper in volume at said saturated portion to expose the fiber thereof, and in finally cutting said paper into desired sizes and permitting the same to dry.

1,589,543. VEHICLE CAB. ARTHUR C. MORSE, Bay City, Mich., assignor to Kasmir E. Niedzielski, Bay City, Mich. Filed Apr. 29, 1924. Serial No. 709,761. 3 Claims. (Cl. 296—28.)



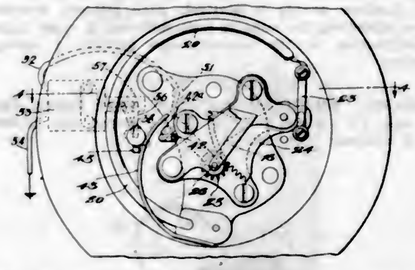
1. A vehicle cab having a tapered front end, metal corner members, side walls formed of a metal panel, the lower end of which is flanged and secured to the floor, the upper edge being broken over to form a sill, the end being received in a slot formed in the window, the edges of the panel being turned and forming a lock seam with the corner members.

1,589,544. STRAINER. SIMON NATOW and HARRY GREEN, River Rouge, Mich. Filed Apr. 17, 1926. Serial No. 102,704. 1 Claim. (Cl. 4—289.)



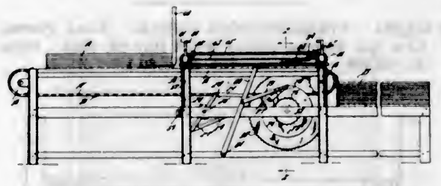
A strainer of the class described comprising a tubular member open at one end, the open end portion of the member being of increased diameter, slots in the peripheral wall of the member and open at the opposite end of the member, inwardly disposed partitions defining the marginal portions of the slots, the inner margins of adjacent partitions being connected, said partitions dividing the member into compartments, and plates closing the outer ends of the compartments, the peripheral wall of the member and the partitions being provided with perforations.

1,589,545. AUTOMATIC MOTOR CONTROL AND OIL-PRESSURE GAUGE. PERRY B. NEWKIRK, Seattle, Wash., assignor of one-half to John E. Scese, Pontiac, Mich. Filed July 6, 1922. Serial No. 573,075. 5 Claims. (Cl. 200—81.)



5. An automatic short-circuiting device, in combination with an oil pressure gauge having an indicator shaft, comprising a short circuiting member mounted upon the indicator shaft of the gauge, a stop contact connected to the main circuit and positioned in the path of said member, said member serving to ground the main circuit upon engaging said stop contact, and an electromagnetically actuated switch operating to open the main circuit when thus grounded.

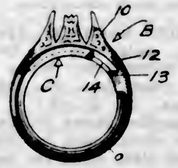
1,589,546. PRINTING MACHINE. ELMER NICHOLS, Kirkwood, Mo. Filed June 18, 1925. Serial No. 38,037. 18 Claims. (Cl. 101—123.)



12. In a printing machine, a printing mechanism, a feeding mechanism, stock sheet carriers and means included in the stock sheet carriers to space the stock of the sheets apart when the latter are in superimposed relation prior and subsequent to the printing operation.

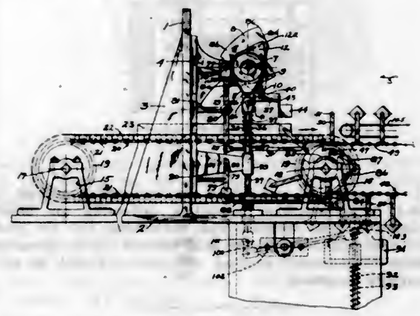
16. In a printing machine, individual stock carriers each designed to carry a sheet of stock, means to feed the carriers singly to the machine, means to print the stock within the carriers and means operable subsequent to the printing of the stock to feed the stock from the machine without removing the same from the carriers.

1,589,547. RING. MAURICE L. NOVACK, Minneapolis, Minn. Filed Mar. 13, 1925. Serial No. 15,250. 3 Claims. (Cl. 63—15.)



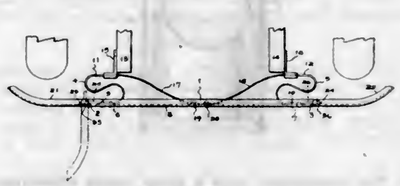
3. A finger ring comprising a band portion and a substantially hollow head portion extending therefrom, one edge of said head portion having an arcuate recess for the reception of a band ring placed parallel with and adjacent to said band portion, and a relatively narrow arc shaped strip arranged under said head portion and extending longitudinally thereunder, the inner surface of said strip forming a circular continuation of the inner surface of said band portion, said strip being of the same width as the shank of the ring, as and for the purpose set forth.

1,589,548. CONFECTION CUTTING AND COATING MACHINE. JOSEPH FRANCIS O'BYRNE, Golden, Colo. Filed July 18, 1922. Serial No. 575,907. 10 Claims. (Cl. 91—14.)



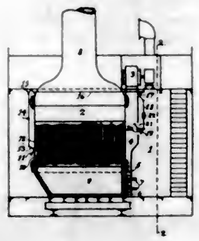
1. In a confection making machine in combination a movable cutting table adapted to receive a slab of confection, a cutting device adapted to cooperate with the table surface and to cut blocks of confection from said slab, means for moving said blocks from the cutting table, means comprising pins for receiving said blocks as they are removed from the table, means for moving said pins away from their block receiving position and to substitute other pins in this position, and means for submerging said blocks in a bath of liquid edible material adapted to harden in place and to produce a coating on said confection.

1,589,549. AUTOMOBILE BUMPER. JOHN PALMER, San Francisco, Calif., assignor of one-half to Joseph H. Huntsman, San Francisco, Calif., and one-fourth to Clarence J. Williams, San Francisco, Calif. Filed July 14, 1925. Serial No. 43,437. 3 Claims. (Cl. 293—55.)



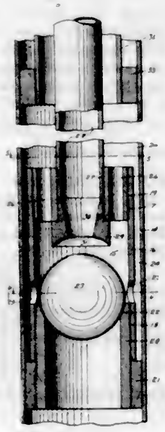
3. An automobile bumper comprising an impact section and end guard sections, said end guard sections having bosses bearing spring-housings and adapted for hinged connection to said impact section, spring means mounted in said housings and adapted for co-action with said guard sections to urge said guard sections rearwardly to normal position, and stop means formed integrally with the said bosses and adapted to limit the rearward movement of said guard sections, said guard sections being free for forward swinging movement to positions substantially at right angles to said impact section.

1,589,550. METHOD AND APPARATUS FOR CONTROLLING THE COMBUSTION OF FUEL IN BOILER FURNACES. ERNEST H. PEABODY, Pelham Manor, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed July 14, 1924. Serial No. 726,040. 9 Claims. (Cl. 158—4.)



1. A method of controlling the combustion of fuel to boiler furnaces which comprises, delivering air under pressure to said furnace, and controlling the air pressure in a zone surrounding said furnace by the pressure within the furnace, so that the pressures will be substantially equalized.

1,589,551. AUTOMATIC FLUID-PRESSURE DISPLACEMENT PUMP. RALPH I. PENDLETON, Denver, Colo. Filed May 15, 1923, Serial No. 639,119. Renewed Aug. 7, 1925. 9 Claims. (Cl. 103—232.)

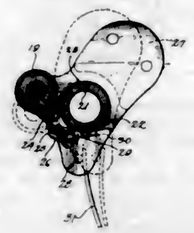


1. The combination with a pump casing embodying a chamber provided with a liquid inlet conduit, for communication with liquid under pressure to be pumped, liquid outlet means, and a displacing pressure fluid inlet conduit, the bore and discharge orifice of said fluid inlet conduit being of relatively smaller cross-sectional area than those of said liquid inlet conduit, of a valve in said chamber complementally coacting with said discharge orifices of said liquid inlet conduit and said fluid inlet conduit, under the opposing pressures therethrough, for closing the one while concurrently opening the other, the said valve automatically operating alternately in reverse directions upon a sufficient increase of counterbalancing pressure upon one surface thereof relatively to the pressure upon its opposite surface.

1,589,552. LINING FOR DENTAL PLATES AND PROCESS OF PREPARING THE SAME. ERNEST K. PETERS, Fresno, Calif. Filed June 16, 1924. Serial No. 720,473. 5 Claims. (Cl. 32—4.)

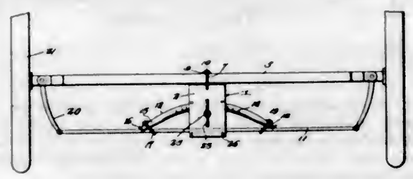
1. The method of producing a metallic lining for dental plates which consists in coating one side thereof with an amalgam having a relatively high mercury content, then subjecting the same to heat sufficient to cause rapid volatilization of the mercury and produce a spongy surface.

1,589,553. WRAPPING MACHINE. PAUL PIERCE, Chicago, Ill. Filed Nov. 19, 1925. Serial No. 69,959. 12 Claims. (Cl. 242—6.)



1. The combination with a wrapping machine including a rotatable shuttle, adhesive applying means on said shuttle, and valve means for rendering said adhesive applying means inoperative when the shuttle is stopped.

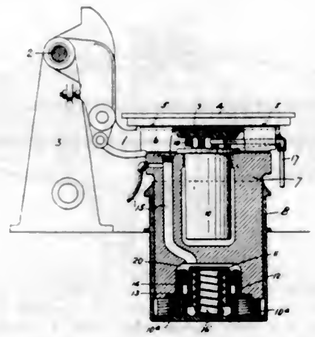
1,589,554. STEERING-GEAR CHECK. ALMA PORTER, Lava Hot Springs, Idaho. Filed May 23, 1925. Serial No. 32,336. 4 Claims. (Cl. 280—89.)



1. A steady steerer device for automobiles including a clamp having upper and lower jaws arranged above and below the steering rod of an automobile, a bowed bar mounted on the steering rod and arranged in substantially the same horizontal plane as the said steering rod and provided at its upper and lower faces with corrugations and passing through the clamp, and adjusting means for tensioning the clamp and for causing the same to engage both the steering rod and the bowed rod.

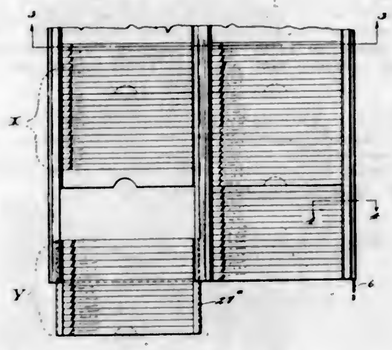
1,589,555. MOLDING MACHINE. JOHN T. RAMSDEN, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 23, 1925. Serial No. 58,014. 3 Claims. (Cl. 22—45.)

1. A molding machine having rollover arms, a fixed fulcrum or center about which the rollover arms are turnable, a rollover plate, dowel pin connection for the rollover plate, a jarring table compelled to jar from a high level and to permit the arms to turn from a low level co-ordinated with the position of the fulcrum to permit the dowel pins to clear, an anvil and anvil guides, a jarring piston and cylinder interposed between the anvil and jarring table, a fluid piston and cylinder provided between the anvil and anvil guide for lifting the



anvil and with it the jarring table to the high level, and means for compelling the last named piston and cylinder to lift before jarring starts.

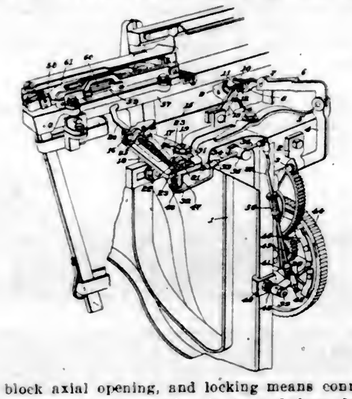
1,589,556. VISIBLE INDEX. JAMES H. RAND, North Tonawanda, N. Y., assignor to Rand Kardex Company, Inc., North Tonawanda, N. Y., a Corporation of Delaware. Filed Dec. 26, 1923. Serial No. 682,643. 4 Claims. (Cl. 40—63.)



1. An index, comprising a frame having marginal channels thereon in opposed parallel position, a plurality of panels removably mounted therein, said panels each having an open front, a flexible metal back, and opposed marginal channels adapted to receive index slips therebetween and to retain the same simultaneously with the flexing of the back for insertion into or removal from the channels of said frame.

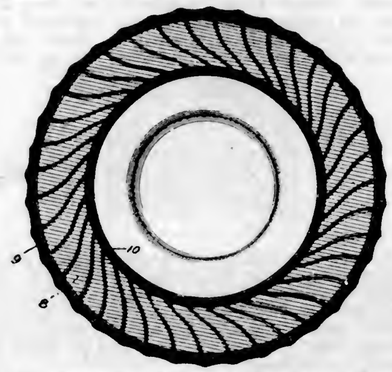
1,589,557. FEELER MECHANISM FOR LOOMS. JOHN F. REARDON and GEORGE POIRRIER, Grosvenor Dale, Conn., assignors to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 9, 1926. Serial No. 87,022. 8 Claims. (Cl. 139—270.)

1. In a feeler mechanism for looms, the combination of a feeler mounted for movement towards and from the front of the loom and longitudinally of the shuttle, a swivel block through which the feeler extends and having an axial opening, a feeler locking pin movable to and from locking engagement with the feeler in the



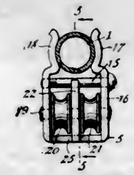
swivel block axial opening, and locking means connected to the locking pin for moving it to and from locking position.

1,589,558. GLASS DISH AND ART OF DECORATING THE SAME. CHARLES L. REIZENSTEIN, Pittsburgh, Pa. Filed June 11, 1924. Serial No. 719,322. 6 Claims. (Cl. 41—22.)



1. A transparent dish having a design on the back thereof comprising a plurality of adjoining curved surfaces and an opaque coating applied to said surfaces.

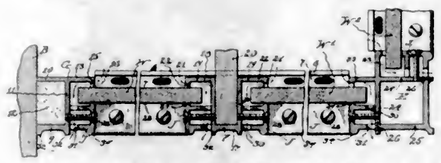
1,589,559. TRAVERSE ATTACHMENT FOR CURTAIN RODS OR POLES. HENRY REUBEL, New York, N. Y., assignor to John Kroder and Henry Reubel Co., New York, N. Y., a Corporation of New York. Filed Jan. 8, 1925. Serial No. 1,251. 3 Claims. (Cl. 156—20.)



1. A traverse pulley, comprising a substantially U-shaped body formed with a pair of clamping jaws at one end, a clamping screw for causing said jaws to function, a journal pin extending parallel to said clamping screw, a pair of pulleys mounted on said journal pin, and a

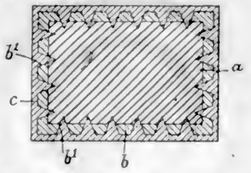
separation or division plate mounted on said journal pin and formed with notches at each end, said notches accommodating part of said clamping screw and part of said body respectively whereby the division plate is held against rotation in functioning position between the pulleys.

1,589,560. BUILDING CONSTRUCTION. HENRY C. REUTER, Chicago, Ill. Filed Jan. 20, 1926. Serial No. 82,434. 12 Claims. (Cl. 189—78.)



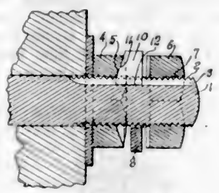
1. A metal, self-supporting frame for an aperture in a building wall, comprising side posts, a bottom sill member and a top plate member, each side post comprising front, rear and intermediate integral walls, an outwardly directed, vertically disposed rib shoulder on the outer face of each rear wall, a panel adapted for insertion in the frame, and a retaining unit adapted to contact with said panel to hold the latter in contact against the shoulder rib, and means for securing the retaining unit to the frame.

1,589,561. SOLID FUEL. GEORGE EUGENE RICE, London, and ELIZABETH JANE JOHNSTON, Paddington, England. Filed Nov. 2, 1925, Serial No. 66,347, and in Great Britain Nov. 3, 1924. 2 Claims. (Cl. 44—16.)



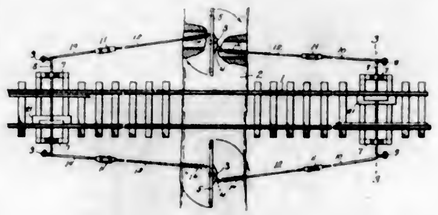
1. A solid fuel consisting of a core composed of coal dust, chalk, a salt of magnesium and sea water, surrounded by an inner covering of chalk, a salt of magnesium and sea water, and having an outer covering composed of chalk, coal dust, ground spent oil shale, a crude petroleum jelly, a salt of magnesium and sea water substantially as set forth.

1,589,562. NUT LOCK. BERTRAM ROACH, Dayton, Ohio. Filed Mar. 20, 1926. Serial No. 98,128. 2 Claims. (Cl. 151—13.)



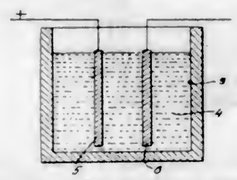
1. In a nut lock, the combination with a spring washer having at its ends lugs oppositely disposed, one of said lugs being larger than the other and having a tapered portion forming a cam surface, of a nut having radiating grooves in one face thereof, the smaller of said lugs being adapted to be seated in any one of said grooves, and a second nut having in one face a plurality of grooves with tapered bottoms forming cam surfaces adapted to co-act with the cam surface on the larger lug.

1,589,563. RAILWAY-CROSSING-GATE MECHANISM. MICHAEL D. ROACH, Kansas City, Mo. Filed Feb. 9, 1925. Serial No. 7,963. 4 Claims. (Cl. 246—293.)



1. In a railway crossing gate mechanism, two horizontal crank shafts adapted to be disposed crosswise and under a railway track and at opposite sides respectively of a road crossing the track, a crossing gate mounted on a central vertical axis intermediate of said crank shafts, two gate operating mechanisms respectively connected to and operated by said crank shafts, a lever secured to said gate with its ends at opposite sides of the axis of the latter, said ends being respectively attached to and adapted to be swung by said gate operating mechanisms, so as to swing said gate from a position parallel with said road to a position crosswise thereof and in a direction such that the end portions of the gate will move toward the travel at the opposite sides of the road, and two means, one operable by a train passing in one direction, and another operable by a train passing in the opposite direction, for respectively swinging said crank shaft to operate said two gate operating mechanisms respectively for swinging said gate to the crosswise position and having means for swinging said shaft in the opposite direction, after the train has passed, so as to operate said two gate operating means to swing said gate back to its initial position.

1,589,564. PROCESS OF ELECTRODEPOSITION. THOMAS ROBINSON, New York, N. Y., assignor to Anaconda Sales Company, New York, N. Y., a Corporation of Delaware. Filed June 27, 1924. Serial No. 722,699. 21 Claims. (Cl. 204—6.)

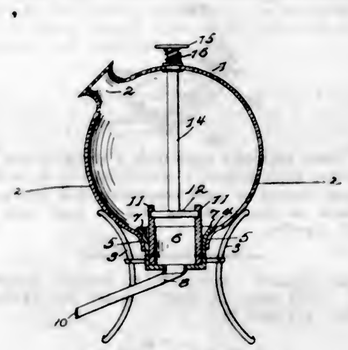


1. A process of electrodeposition which comprises electrolytically applying to the surface of a cathode blank, a thin film of metal, electrodepositing another metal over the film and then stripping off the deposit of the second metal while leaving the film in place on the surface of the blank.

1,589,565. FOOD DISPENSER. JOEL ERNEST ROULLARD, Seattle, Wash. Filed June 15, 1925. Serial No. 37,368. 2 Claims. (Cl. 221—102.)

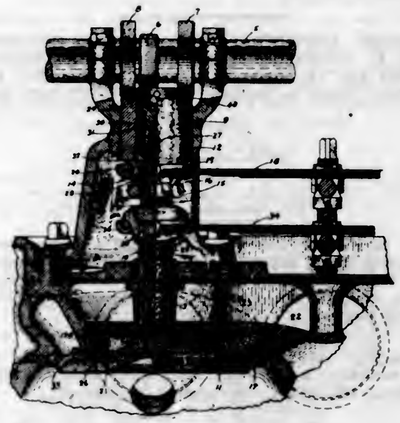
1. A dispensing apparatus including a globular receptacle having an opening in its lower portion, a measure fitted within said opening and extended beyond the receptacle, a conduit leading from the measure, an expressing disc of a size to fit within the measure,

means carried by the measure for supporting the disc above the mouth of the measure and in line with said



mouth, and means for operating the expressing disc to force the material from the measure and through the conduit.

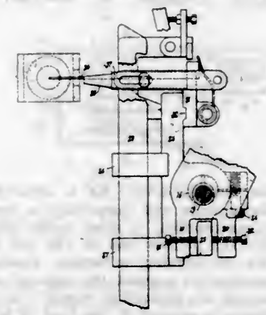
1,589,566. INTERNAL-COMBUSTION ENGINE. ROBERT J. RUTHS, Baltimore, Md. Filed Nov. 19, 1925. Serial No. 70,096. 4 Claims. (Cl. 123—188.)



1. In an internal combustion engine, a valve mechanism including concentrically mounted intake and exhaust valves, means for opening the intake valve, means for opening and imparting a rotative motion to the exhaust valve, means for retarding said motion, and means for closing the respective valves.

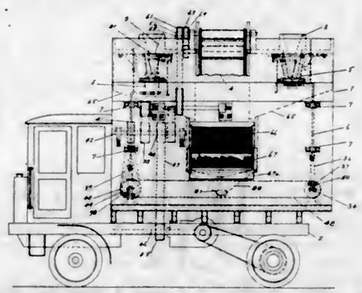
1,589,567. SUPPORT FOR WEFT-DETECTING MECHANISM. EPPA H. RYON, Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Original application filed Oct. 20, 1921, Serial No. 509,113. Divided and this application filed Oct. 13, 1924. Serial No. 743,190. 4 Claims. (Cl. 139—269.)

1. In a weft replenishing loom having a loom frame, weft detecting mechanism, a support therefor, an eccentric stud on which said support is mounted, and means to secure said mechanism and said stud in adjusted



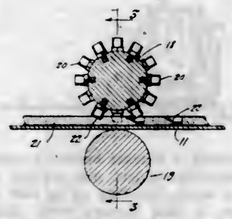
position, said stud being angularly adjustable in said frame, and said support being both angularly and longitudinally adjustable on said stud.

1,589,568. CORN HUSKER AND SHELLER. JOSEPH B. SAGAN, Pittsburgh, Pa. Filed Dec. 12, 1923. Serial No. 680,101. 8 Claims. (Cl. 130—9.)



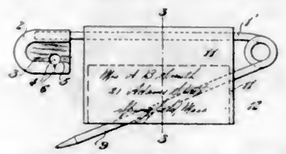
1. In a corn husker and sheller the combination of a push rod, means for actuating said push rod in a straight line, a husking and shelling head comprising a plurality of hinged arms carried by said push rod, and stationary means arranged to act upon said husking and shelling head during movement thereof to open and close said arms and to produce the husking and shelling action of said head.

1,589,569. METHOD OF MAKING PLASTER-BOARD LATH. JOHN SCHUMACHER, Los Angeles, Calif. Filed July 7, 1924. Serial No. 724,689. 5 Claims. (Cl. 154—2.)



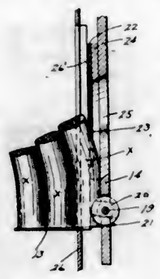
1. The process of forming plaster lath or the like, comprising advancing a plastic body having a pliable covering sheet thereover to form a green plaster board, thereafter depressing limited areas of said board so as to cut and form flaps from the covering sheet, and depressing said flaps to express the plastic material to form pockets having bottom linings formed by said flaps.

1,589,570. LOCK FOR LAUNDRY BAGS. HARRY SAMBLE, Springfield, Mass. Filed Oct. 30, 1925. Serial No. 65,787. 2 Claims. (Cl. 24—156.)



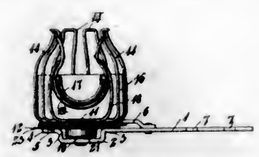
1. A closure locking device for a laundry bag for washing clothes therein and comprising in combination, a safety pin construction, a sheet metal cap or protecting end for the pointed end of the pin which cap is formed with an opening, a locking member passed through the opening to prevent the removal of the pin from said cap and pin protecting member, an identification tag permanently secured to the fixed or bar member of the pin, the pin being designed to be passed through the gathered folds at the open end of the bag, as described.

1,589,571. CELERY CUTTER. HENRY ARTHUR SCHUELTER, Robbinsdale, Minn. Filed Oct. 1, 1924. Serial No. 741,000. 6 Claims. (Cl. 146—116.)



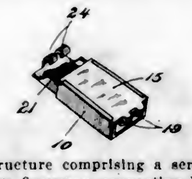
1. A celery shredder including a revoluble member, a slicing blade and splitting knives carried by the revoluble member, said revoluble member having an escape passageway under the slicing blade, and a box adapted to hold celery stalks parallel to the direction of rotation of the revoluble member and having a passageway through which portions of said stalks may be pressed laterally and fed to said blade and knives.

1,589,572. HOLDER. ADOLPH E. SEINECKE, Cincinnati, Ohio. Filed July 3, 1919. Serial No. 308,430. 11 Claims. (Cl. 131—12.)



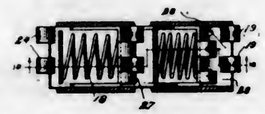
6. In combination a bracket having a part for attachment to a supporting object and having a depression near one end, a stud extending up in said depression, a cup-shaped part, a base turning with said cup-shaped part having a recess in its periphery, a bearing in the center of said base, fitting on said stud, with peripheral parts of said base bearing on said bracket at opposite sides of said depression, and means on said bracket engaging over said base at one side thereof to hold said cup-shaped part on said bracket but releasing said cup-shaped part when reached by said recess.

1,589,573. CHAIN. EDWIN F. M. SPEIDEL, Edgewood, R. I. Filed Nov. 9, 1925. Serial No. 67,794. 9 Claims. (Cl. 59—79.)



1. A chain structure comprising a series of box links each having hinge fingers, a connecting link in each box link, hinge fingers on each connecting link interlocking with those on the next box link to hold said links hingedly together.

1,589,574. CHAIN. EDWIN F. M. SPEIDEL, Edgewood, R. I. Filed Dec. 12, 1925. Serial No. 74,980. 8 Claims. (Cl. 59—79.)

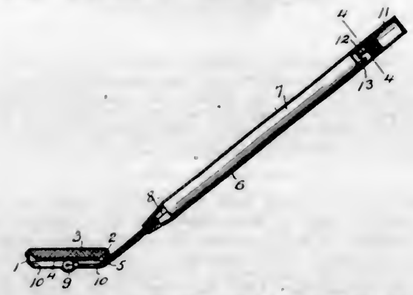


1. In a chain structure, a series of link units each comprising a box link and a slide link therein, the slide link of one unit being detachably connected to the box link of the next unit, and means carried by each slide link for locking its box link against detachment from the slide link of the next unit when said links are in contracted position.

1,589,575. BOTTLE CAP. HENRY SPENGLER, New York, N. Y. Continuation of application Serial No. 462,515, filed Apr. 19, 1921. This application filed Feb. 19, 1924. Serial No. 693,849. 7 Claims. (Cl. 215—38.)

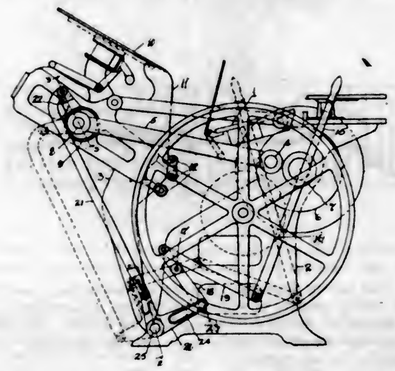
1. In a bottle closure, a cap provided with dependent, inturned spring fingers to ride over and engage beneath the bead of a bottle neck and yielding members integral with the cap and overstanding and reinforcing said spring fingers.

1,589,576. REFLECTING INSTRUMENT. JAMES M. THOMPSON, Kansas City, Mo. Filed June 29, 1925. Serial No. 40,354. 7 Claims. (Cl. 128—11.)



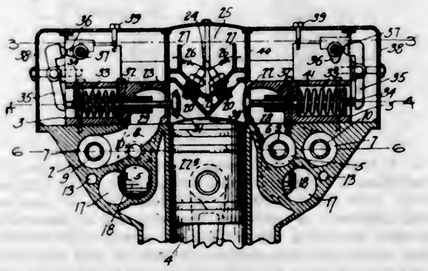
1. A reflecting instrument comprising a casing having an inner reflecting surface, a mirror in said casing comprising a glass plate having an outwardly flaring beveled edge and a silvered reflecting inner side, and a lamp in said casing disposed at the rear of said glass plate and so as to throw light against the reflecting surface of the casing, the latter being disposed so as to reflect light from said lamp against said beveled edge and through said glass plate therefrom.

1,589,577. THROW-OFF MECHANISM FOR PRINTING PRESSES. RALPH S. TYLER, Cleveland Heights, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1925. Serial No. 8,716. 5 Claims. (Cl. 101—287.)



1. In a platen printing press, the combination with the oscillatory bed, a back-shaft journaled in said bed and side-arms eccentrically connected with said shaft; of means for rocking said shaft in order to prevent the making of an impression, said means including an oscillatory lever-member mounted to swing on an axis substantially coaxial with the axis of said bed, a lever projecting from said shaft, and a link connecting said levers.

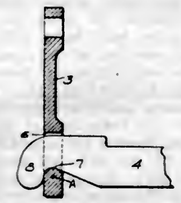
1,589,578. INTERNAL-COMBUSTION ENGINE. MAX J. VEST, Denver, Colo. Filed July 20, 1921. Serial No. 486,126. 9 Claims. (Cl. 123—122.)



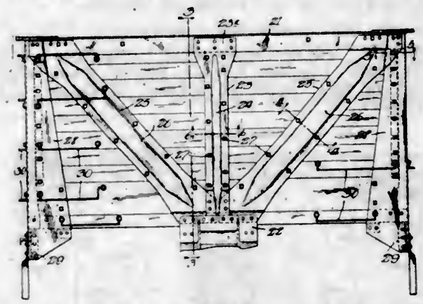
1. An internal combustion engine, comprising an engine body having piston chambers, spark plugs connected at the explosion ends thereof, channels formed exteriorly of the chambers to receive conductors of electricity leading to the spark plugs, and a removable casing covering the spark plugs and the channels.

1,589,579. CROSSBAR SUSPENSION. CHARLES T. WESTLAKE, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Mar. 9, 1925. Serial No. 14,055. 4 Claims. (Cl. 105—190.)

1. In combination, in a car truck, a vertical hanger provided with a slot, and a horizontal cross bar having a restricted vertical portion, spaced from its end, adapted to be positioned in said slot and having vertical portions on each side of said first mentioned vertical portion too large to be moved horizontally through said slot.

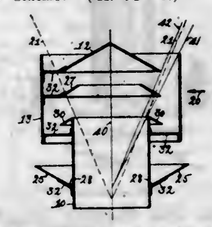


1,589,580. CAR CONSTRUCTION. HOMER W. WILLIAMS, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,488. 4 Claims. (Cl. 105—406.)



1. In a composite wood and steel car construction, provided with a striking casting, an inverted tripod brace whereby the compression strains are transmitted to the longitudinal center sill of the car underframe, said brace consisting of a metal plate disposed vertically at the center of the car end wall, and a pair of metal plates disposed diagonally upward from the lower end of the first mentioned plate, the lower ends of the three plates being arranged in lapping relation intermediate of the car end sill and the striking casting at the longitudinal center line of the car, with said lower ends and the striking casting being secured to the car underframe, while the upper ends of the three plates are secured to the top reenforcing member of the car, and suspension members disposed about the corners of the car body in lapping relation with the upper ends of the diagonally arranged plates, while the lower ends are secured to the side and end sills of the car.

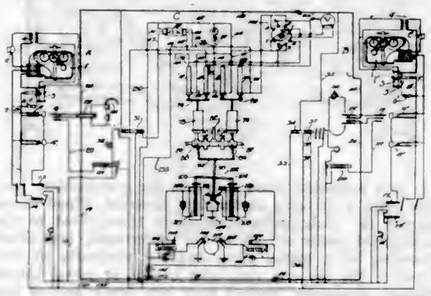
1,589,581. VENTILATOR. JAMES HOWARD YOUNG and PAUL DE WITT GEPHART, Pittsburgh, Pa., assignors to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 28, 1922. Serial No. 609,391. 5 Claims. (Cl. 98—4.)



1. A ventilator comprising an eduction pipe provided near its upper edge with a lip extended downward and outwardly for trapping air currents flowing upwardly

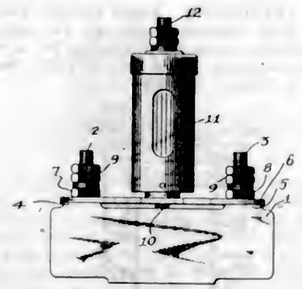
along said pipe, a cap member located above said eduction pipe and separated therefrom a substantial distance, and a storm band of materially greater diameter than said eduction pipe surrounding the latter, said eduction pipe, cap member and storm band being constructed and arranged to have the lower end of the storm band extended below the top of the eduction pipe to prevent horizontally flowing air currents from entering the ventilator at the bottom thereof, and to have the upper end of the storm band extended above the lower edge of the cap member to prevent horizontally flowing air currents from entering the ventilator at its top and yet leave a substantial space between the lower edge of the cap member and a plane tangential to the upper edges of the storm band and eduction pipe and intersecting the longitudinal axis of the latter, to form a direct passage of substantial width from the eduction pipe to the atmosphere in the absence of obstructions therein, means for obstructing said direct passage to prevent the entrance of rain into the eduction pipe, and means cooperating with the storm band and eduction pipe to deflect to the outside of said storm band upwardly inclined flowing air currents.

1,589,582. TELECHRONOMETER CURRENT CONVERTER. GARRISON BABCOCK, Everett, Wash. Filed Oct. 15, 1921. Serial No. 508,038. 32 Claims. (Cl. 179—11.)



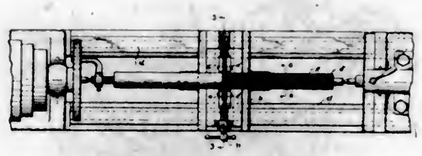
1. In combination, a pair of carbon piles, fluid pressure means including a single pressure cylinder and a piston, and means having adjustable connection with the piston for compressing both said piles by means of said piston, the adjustable connection between said last means and the piston permitting adjustment of the compression of one pile relative the other by means of said piston.

1,589,583. LIGHTNING ARRESTER. LEON S. BRACH, East Orange, N. J. Filed May 17, 1919. Serial No. 297,745. 1 Claim. (Cl. 175—30.)



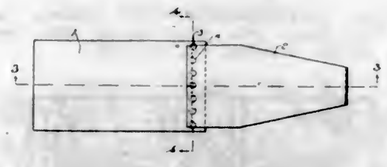
A device of the class described, comprising a base formed of a block of insulating material, a terminal carried by each end of said base, a metallic plate connecting said terminals and fastened to each of them, said plate intermediate its ends being provided with a threaded aperture, and a lightning arrester having screw threaded terminals projecting from each end thereof, one of said terminals being adapted to be threaded into the aperture of said plate, the other terminal on said lightning arrester being adapted to be connected with ground.

1,589,584. METHOD OF KNURLING. THOMAS D. CAMPBELL, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 3, 1923. Serial No. 672,690. 4 Claims. (Cl. 29—23.)



1. The herein described method of fabricating knurled rolls, which consists in subjecting the roll progressively to the action of the knurl throughout its length and completing the knurling action in a reverse direction, substantially as set forth.

1,589,585. ANTISQUEAK CUSHION FOR AUTOMOTIVE BRAKES. CHARLES E. CHRISTENSON, South Orange, N. J. Filed Feb. 11, 1925. Serial No. 8,395 5 Claims. (Cl. 188—249.)

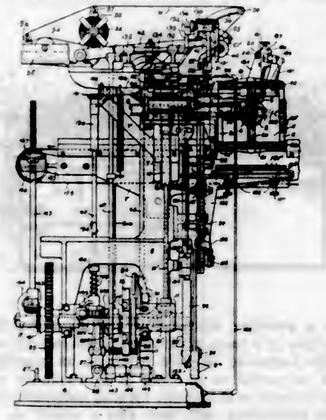


3. A cushion for the purposes described, said cushion comprising a relatively thin resilient body of rectangular shape, said body having a transverse row of perforations adjacent to one end thereof, and a detachable metallic clip, said clip comprising a clip body doubled upon itself, one free transverse end of said clip body having a plurality of upstanding teeth to pass through said perforations of said cushion, and the other free transverse end of said clip body providing a cover portion to close over the free extremities of said teeth.

1,589,586. BOX-COVERING APPARATUS. ROBERT G. CLARK, Brooklyn, N. Y., assignor to Liberty Automatic Paper Box Machine Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 708,763. 66 Claims. (Cl. 93—54.)

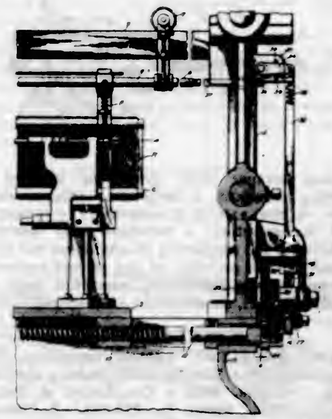
1. In box covering apparatus, a rotatable box form support, means to intermittently rotate said support, means to carry a gummed covering web for the box operative to apply the leading end of the web to a box

on the support, said web being adapted to be wrapped around the sides of the box during the rotation of the



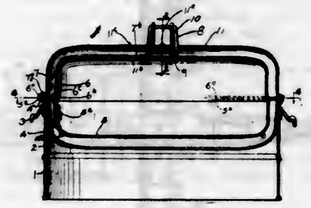
support, and a wiper operative during the periods of rest of the support to press the web against the box.

1,589,587. WARP-DRAWING MACHINE. HOWARD D. COLMAN, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Jan. 8, 1923. Serial No. 611,214. 2 Claims. (Cl. 28—44.)



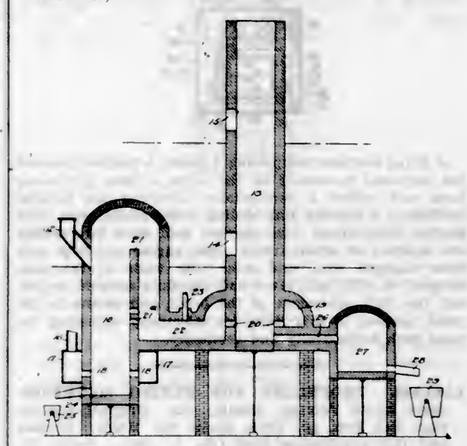
1. A warp-drawing machine having, in combination, a drive shaft, a crank on said shaft, a pivoted arm, a connecting rod yieldably connecting the crank to said arm, a ratchet wheel pivoted on the axis of said arm, a pawl on said arm arranged to engage the ratchet wheel, a mechanism carriage, means driven by said ratchet wheel for feeding the carriage, operating mechanism on said carriage, means for movably supporting a series of elements for the engagement of successive elements by said operating mechanism, said series of elements being free to travel with said carriage, an arm rigid with the first mentioned arm, a bar mounted for vertical movement, the lower end of said bar when lowered being arranged to limit the oscillation of said arms, counter-balancing means acting upon said bar, a bell crank lever to which the upper end of the bar is connected, and means rendering said bell crank lever sensitive to movement of said series of elements as a whole.

1,589,588. ROASTER AND SIMILAR UTENSIL. WILLIAM R. DICK, San Diego, Calif. Filed June 15, 1925. Serial No. 37,045. 13 Claims. (Cl. 53—6.)



1. In a utensil of the class described, a base of substantially cylindrical form, a heat diverting member positioned therein and provided with openings at its periphery, a receptacle supported at the upper end of said base, there being provided upwardly directed openings between the main portion of said receptacle and said base, a cover for said receptacle, and a cover for said base, there being provided openings between the lower ends of said covers registering with said first mentioned openings.

1,589,589. PROCESS AND APPARATUS FOR MELTING IRON. YULEE A. DYER, Cave Spring, Ga. Filed Feb. 4, 1925. Serial No. 6,784. 7 Claims. (Cl. 266—25.)

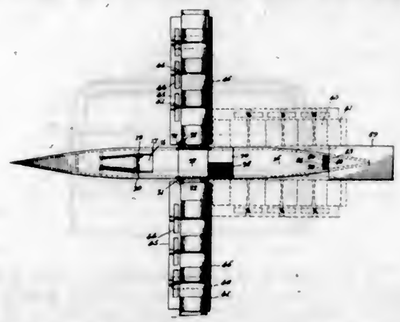


1. The process of melting metal, which consists in charging one combustion chamber with a comparatively deep bed of carbonaceous material, combusting said material in the presence of a supply of air and a body of metal to be melted, and then transferring or conveying the hot waste gases from said chamber directly to a second combustion chamber and there passing said hot waste gases under and through a comparatively thin layer of carbonaceous material in the presence of additional metal to be melted, whereby the quantity of fuel required in said second chamber is materially reduced.

1,589,590. FLYING MACHINE. JOHN E. FOWLER, Mobile, Ala. Filed Feb. 16, 1925. Serial No. 9,698. 6 Claims. (Cl. 244—14.)

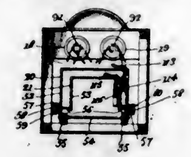
1. A flying machine comprising a cabin and supporting wings therefor, each composed of upper, lower and intermediate horizontal planes, the lower plane being

curved upwardly at its outer end to meet and join with the outer ends of the intermediate and upper planes,



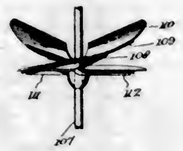
diagonal planes intersecting said horizontal planes and joined therewith, and propellers arranged in front of said wings.

1,589,591. RUDDER MECHANISM FOR FLYING MACHINES. JOHN ELLIS FOWLER, Mobile, Ala. Original application filed Feb. 16, 1925, Serial No. 9,693. Divided and this application filed July 7, 1925. Serial No. 42,066. 1 Claim. (Cl. 244—29.)



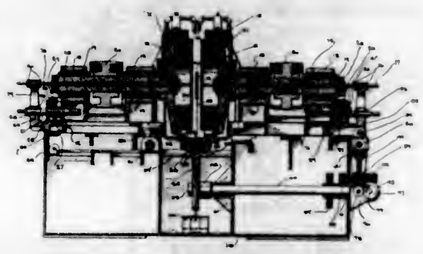
A flying machine comprising a cabin, a rudder mounted for universal movement on the cabin, a lever projecting from said rudder, a horizontally extending link slidable vertically, a vertical link sliding horizontally, said links having longitudinal slots therein, said slots intersecting one another at substantially right angles and both said slots engaged with said lever, the walls of the slots adapted to shift said lever and the slots adapted to permit the shift movement of the lever, and means in the cabin coupled to said links for selectively adjusting the same both horizontally and vertically.

1,589,592. PROPELLER FOR FLYING MACHINES. JOHN ELLIS FOWLER, Mobile, Ala. Original application filed Feb. 16, 1925, Serial No. 9,693. Divided and this application filed July 7, 1925. Serial No. 42,067. 1 Claim. (Cl. 170—159.)



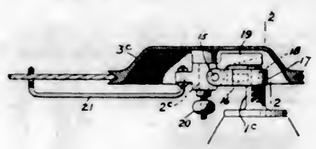
A propeller for flying machines comprising vanes, and plates secured to the vanes at their forward edges with reference to the direction of rotation, said plates being of varying circumferential width and said plates being curved circumferentially, the widest plate having an end projecting beyond the next widest plate and having such projecting end extending in a more accentuated curvature than the overlapped portion of said widest plate.

1,589,593. GRINDING MACHINE. FREDERIC E. GARDNER, Beloit, Wis. Filed June 3, 1921. Serial No. 474,586. 7 Claims. (Cl. 51—114.)



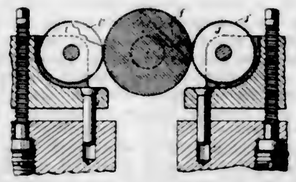
1. In a grinding machine of the class described, the combination of a base, a carriage adjustable on said base, a spindle journaled on said carriage, an annular grinding disk supported on one end of said spindle, a rod extending through said spindle, an arm extending from said base for supporting said rod, and a shield on said rod and engaging in the grinding disk aperture.

1,589,594. DRAG-SCRAPER BLOCK. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1924. Serial No. 686,722. 1 Claim. (Cl. 254—190.)



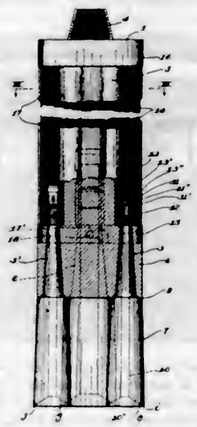
A drag scraper block comprising a fixed upright supporting standard, a supporting axle, a sheave revoluble on the axle and operatively arranged at the top of the structure, a universal joint structure provided between the supporting standard and the supporting axle, and an arm provided on one of said supporting elements and having articulated connection with one element of said joint, substantially as described.

1,589,595. KNURLING. REUBEN HITCHCOCK, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 3, 1923. Serial No. 672,691. 6 Claims. (Cl. 80—5.1.)



1. The herein described method of knurling, which consists in subjecting the work to the action of a rotatable knurl, mounting a second knurl to rotate coaxially with the first knurl and causing said second knurl to deepen the impression made by the first knurl upon the work, substantially as set forth.

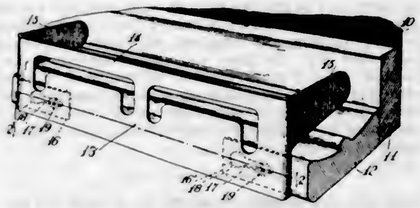
1,589,596. DRILL HEAD. MARTIN HOKANSON, Duluth, Minn. Filed Feb. 24, 1925. Serial No. 11,255. 12 Claims. (Cl. 255—64.)



1. A drill head comprising a body, a plurality of bits having continuous cutting edges carried by said body, the cutting edges of two of said bits being tangent to each other, and the maximum transverse dimension of one of said bits taken on a line passing through said point of tangency being not less than the distance of the most remote portion of the cuting edge of the head from the central longitudinal axis of the head.

11. A drill head comprising a body provided with a plurality of continuous noninterrupted cutting edges, the ratio between the extent in numerical unit lengths of any portion of said cutting edges lying within a circle struck from the longitudinal axis of the body as a center and the area in numerical unit areas of said circle being substantially constant.

1,589,597. ERASER HOLDER. JOSEPH P. KENNEDY, Chicago, Ill. Filed Sept. 28, 1925. Serial No. 59,128. 11 Claims. (Cl. 35—15.)



1. A black-board eraser holding device comprising in combination with fastening elements permanently fixed to the black-board structure, a sheet metal retaining member comprising a front plate and inturned wings adapted to intervene between the front plate and the black board structure which are slotted so as to be engageable with said fastening elements.

1,589,598. TREATMENT OF CONCRETE FLOORS. DANIEL W. KESSLER, Washington, D. C. Filed May 13, 1922. Serial No. 560,722. 11 Claims. (Cl. 91—68.)

4. The process which comprises the treating of the surface of concrete by adding soluble alkali metal carbonate to the surface, and the application of a solution of zinc and aluminum sulphates and a sulphate which will react with the carbonate in the surface of the concrete to produce a color therein, followed by a treatment of soft soap.

5. The treatment of the surface of concrete with a solution consisting of zinc and aluminum sulphates and a sulphate for imparting a color to the surface.

6. A chemical solution for the treatment of concrete surfaces consisting of zinc, aluminum and iron sulphates.

1,589,599. WATER SOLUBLE METALLIC ORGANIC COMPOUND AND PROCESS OF MAKING THE SAME. MORRIS SELIG KHARASCH, College Park, Md. Filed Apr. 24, 1924. Serial No. 708,807. 9 Claims. (Cl. 260—13.)

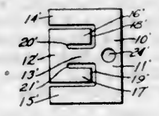
6. A water soluble salt of a compound of the following general formula

$$R—M(—S—R_{A_c})_n$$

in which R is any organic radical group, R_{A_c} is an organic radical containing an acid group, M is a metal of a group forming compounds stable toward water with the metal bonded to a carbon atom of an organic group and having valence greater than 1, and n is an integer greater than 0 and at least one less than the valence of the metal, the metal and the sulphur in the compound being bonded to the carbon atoms of the groups R and R_{A_c} respectively.

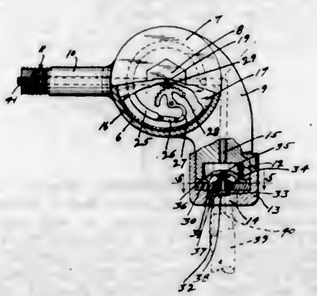
9. The process of producing a water soluble mercury organic compound which comprises treating phenyl mercuric chloride with a water solution of an alkali metal salt of thio-glycolic acid.

1,589,600. PAPER FASTENER. SERGIUS P. KHATUNZEFF, Bridgeport, Conn. Filed Nov. 18, 1925. Serial No. 69,786. 2 Claims. (Cl. 24—67.)



1. A paper fastener comprising a plurality of portions and a neck connecting said portions, one of said portions having tongues at opposite sides of said neck and spaced therefrom, and the other of said portions having tongues adjacent said neck and between said neck and the tongues first mentioned.

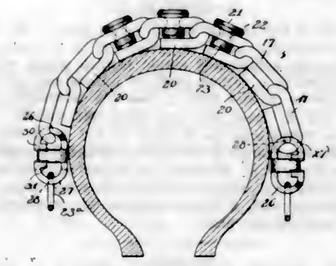
1,589,601. AUTOMATIC VALVE. OTIS M. KIRLIN, Watertown, S. Dak. Filed Aug. 25, 1924. Serial No. 734,025. 2 Claims. (Cl. 284—17.)



1. In a valve, the combination with a member having a chamber and an outlet passage, of a flexible diaphragm between the chamber and passage, a fixed valve head in the passage outward of the diaphragm and having a valve stem extending through the diphragm and anchored in

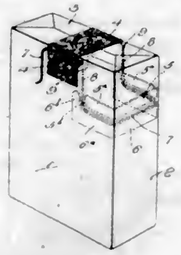
the chamber, a spring yieldingly pressing the diaphragm onto the fixed valve head, and an outlet port leading from the chamber and arranged to be opened to the passage by an inward movement of the diaphragm from the fixed valve head, said valve head being spaced from the sides of the passage to expose the diaphragm, whereby the diaphragm may be engaged by a cylindrical member, inserted into the passage and guided thereby over the fixed valve head, and pressed inward against the tension of the spring and away from the valve head to open the outlet port from the chamber to the passage.

1,589,602. NONSKID CHAIN. HARRY KLONICK, Rochester, N. Y. Filed Mar. 21, 1923. Serial No. 626,536. 10 Claims. (Cl. 152—14.)



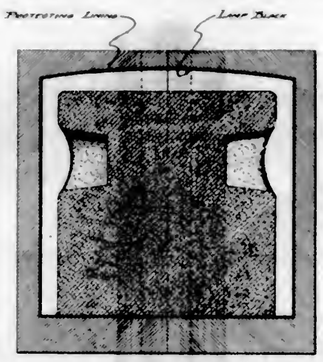
4. In a non-skid chain, a cross chain composed of individually detachable links each having a cross bar at one end with longitudinally converging side portions and a hook portion at the other end for detachable engagement with the cross bar of an adjacent link, and a wear body detachably engaged in the bight of said side portions and held against detachment from its link by the engagement with the latter of an adjacent link.

1,589,603. CIGARETTE PACKAGE. ATHA W. LEE, Bingham Canyon, Utah. Filed Feb. 5, 1925. Serial No. 7,118. 2 Claims. (Cl. 229—51.)



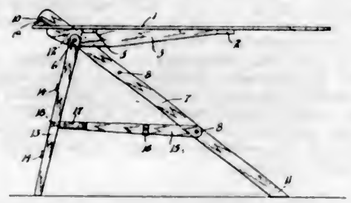
2. A package formed of lacerable material and including opposed vertical side walls, and a vertical edge wall at substantially right angles to said side walls, upper and lower closely related reinforcing strips within the package having their intermediate portions secured horizontally across said edge wall near the upper end of the latter, said strips having end portions extending horizontally across and secured to portions of said side walls, and a ripping cord secured in the space between said strips and having upwardly directed end portions at the extremities of said strips, at least one of said end portions of the cord being extended to the exterior of the package.

1,589,604. PERMANENT MOLD. HARRY S. LEE, Plymouth, Mich. Filed Oct. 2, 1924. Serial No. 741,128. 3 Claims. (Cl. 221—189.)



1. A mold, having a body built of a substance calculated to melt at a point approximating the melting point of the substance used in casting, and a baked on heat insulating lining for said mold comprising kieselguhr and a suitable binder.

1,589,605. IRONING BOARD. FREDERICK W. LEHMAN, Minneapolis, Minn. Filed Jan. 19, 1924. Serial No. 687,216. 2 Claims. (Cl. 68—10.)



1. An ironing table having in combination, a board having a flat top with a slot extending longitudinally in one end thereof, a leg structure pivoted to said board adjacent said end and movable to supporting position with its upper end projecting through said slot and its other end in contact with the floor and movable to collapsed position substantially parallel with and beneath said board and with its upper end spaced therefrom, and a member adapted to be inserted between and in contact with said upper end of said leg structure and said end of said board above or below said board, respectively, for locking said leg structure, respectively, in supporting or collapsed position.

1,589,606. PROCESS OF MAKING A NEW TYPE OF CELLULOSE DERIVATIVES. LEON LILIENFELD, Vienna, Austria. Filed Mar. 20, 1922, Serial No. 545,365, and in Austria Apr. 2, 1921. 26 Claims. (Cl. 260—152.)

1. A process of making new cellulose derivatives which are soluble in alkali solutions but not in water, which comprises heating a cellulosic body in the presence of an alkylating agent, water and a caustic alkali, the proportions being as follows:—for one molecule of cellulosic material, the air dry cellulosic material being figured as $C_6H_{10}O_5$, there are present from about one half molecule up to about four molecules of caustic alkali, and from about one third molecule up to about three molecules of alkylating agent, the water and caustic alkali being present in such proportions as to represent a caustic alkali solution of about 12 to 25% strength.

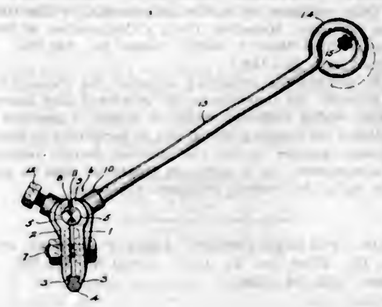
1,589,607. PROCESS OF MAKING CELLULOSE DERIVATIVES. LEON LILIENFELD, Vienna, Austria. Filed Mar. 20, 1922, Serial No. 545,364, and in Austria Apr. 2, 1921. 55 Claims. (Cl. 260—152.)

1. A process of making cellulose ethers which comprises treating a derivative of a cellulosic body which derivative contains alkyl groups and is soluble in alkali solutions but insoluble in water, with an etherifying agent, in the presence of a caustic alkali.

1,589,608. NITROCELLULOSE COMPOSITION. EDWIN R. LITTMANN, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed Oct. 17, 1925. Serial No. 63,130. 8 Claims. (Cl. 134—79.)

1. A composition of matter comprising nitrocellulose and normal tributyl phosphate.

1,589,609. CONDUCTOR SUPPORT. MERRILL W. MANZ, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1924. Serial No. 754,864. 4 Claims. (Cl. 191—40.)



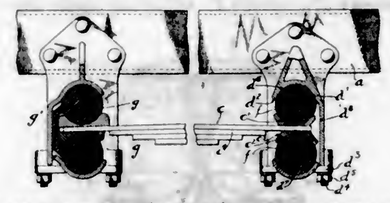
1. The combination of clamping means to engage and grip a trolley wire, a connecting member having means at one end to connect to a support, means to secure the connecting member to the clamping means in adjustable pivotal relation and means on the clamping means and movable at right angles to the axis of the pivot, to engage with the connecting member to hold the connecting member and the clamping means in adjusted relation.

1,589,610. METHOD OF RECLAIMING SPENT PICKLING SOLUTIONS. HENRY S. MARSH and RALF S. COCHRAN, Youngstown, Ohio, assignors to American Copperas Company, Youngstown, Ohio, a Corporation of Delaware. Filed July 8, 1925. Serial No. 42,113. 7 Claims. (Cl. 23—126.)

1. In the reclaiming of spent pickling solution consisting of iron salts dissolved in weak sulphuric acid the method of procedure herein described which consists in adding to the spent solution a fresh supply of acid and removing from the so renewed solution its burden of copperas.

1,589,611. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. ALFRED F. MASUAY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 25, 1924. Serial No. 728,064. 5 Claims. (Cl. 267—30.)

1. A wholly non-metallic connection and support interposed between two metallic parts of a vehicle, one of which parts is to be connected to and supported by the other of said parts, comprising a block of yielding non-metallic material and means to mount said block

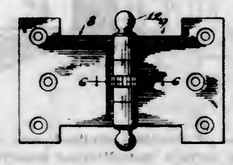


upon said supported member and seat the same upon the supporting member with provision for relative movement between the block and both of said parts.

1,589,612. CONDUCTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1924. Serial No. 754,355. 12 Claims. (Cl. 191—40.)

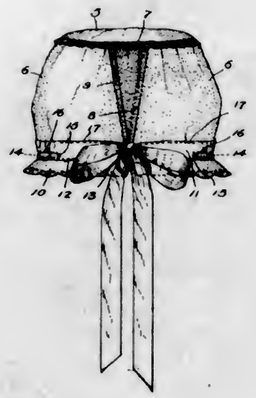
1. A supporting device for a trolley wire comprising a pair of clamping members with means to grip the trolley wire, a pivotally mounted means to move relative to the clamping members, means to unite the members and pivotally mounted means in pivotal relation, a connecting member secured to the pivotally mounted means in longitudinally adjustable relation thereto and provided with means to secure the device to a support and means on one of the clamping members to be engaged by the connecting member to hold the parts in adjusted relation.

1,589,613. HINGE. HOWARD S. MOUNTFORD and ELIJAH A. OVENSHIRE, Los Angeles, Calif., assignors to James Francis Hood, Los Angeles, Calif. Filed Sept. 7, 1922. Serial No. 586,627. 3 Claims. (Cl. 16—142.)



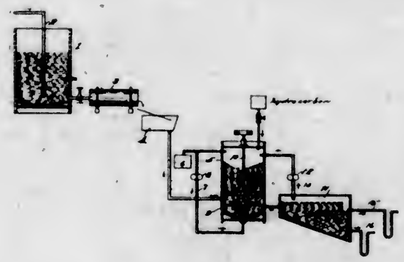
1. In a hinge, a pair of leaf members formed with alined knuckles, a pivot pin connecting said knuckles, a disc arranged between adjacent said knuckles having a serrated edge, said disc being engaged by said pivot pin and held against movement relative to one of the leaf members, and a spring wire carried by the other leaf member frictionally engaging the serrations on said disc and adapted to slide successively over the serrations of said disc on articulate movement of said leaf members in either direction.

1,589,614. CAP. MINA L. PETERS, Seattle, Wash. Filed May 15, 1924. Serial No. 713,458. 1 Claim. (Cl. 2—198.)



A cap of the character described comprising a crown piece, a side piece secured at its upper edge to said crown, and having its ends overlapping and stitched to each other at their upper edges only, elastic members adjacent the lower portion of said side piece arranged to form gatherings therein, a ribbon stitched around its lower edge to the lower edge portion of said side piece with its ends extending beyond the ends thereof, stitching at the upper edge of said ribbon extending from said elastics to the ends of said side piece, and the free ends of said ribbon adapted to be tied together and in cooperation with said elastics to yieldingly hold said cap in place substantially as specified.

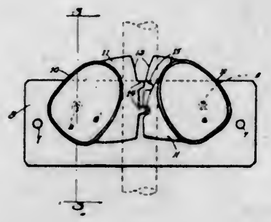
1,589,615. METHOD OF ORE TREATMENT. JOSEPH T. TERRY, Jr., San Francisco, Calif., assignor, by mesne assignments, to Metals Recovery Company, a Corporation of Maine. Filed Oct. 19, 1914. Serial No. 867,335. 17 Claims. (Cl. 75—18.)



1. The process of treating oxidized ores which comprises dissolving certain metalliferous constituents with a suitable solvent, precipitating such dissolved constituents in elemental form back into the pulp, and concentrating the resulting pulp by a settling treatment.

1,589,616. BROOM HOLDER. HUBERT GOODSON ALFORD, Saskatoon, Saskatchewan, Canada. Filed Dec. 31, 1923. Serial No. 683,714. 1 Claim. (Cl. 24—249.)

A broom holder of the character described comprising, in combination, a supporting member, dual cam members pivotally mounted on said supporting member in spaced relation; detachable adjustable friction bands on said cam

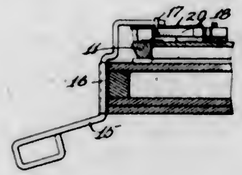


members; and segmental extensions on said cam members geared together to effect corresponding movement of said cam members.

1,589,617. PROCESS OF PREPARING MATERIAL FOR CERAMIC ARTICLES. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 1, 1923. Serial No. 621,974. 8 Claims. (Cl. 25—156.)

1. The process for preparing material for ceramic articles, wherein the ingredients are powdered and launed dry, after which sufficient water is added to produce a mix suitable for forming, which mix is permitted to stand in a closed chamber having the pressure therein reduced below atmospheric for a sufficient length of time to permit the water to thoroly permeate the mass.

1,589,618. FOLDING ORGAN. PETER P. BILHORN, Chicago, Ill. Filed Nov. 24, 1924. Serial No. 751,782. 5 Claims. (Cl. 84—354.)

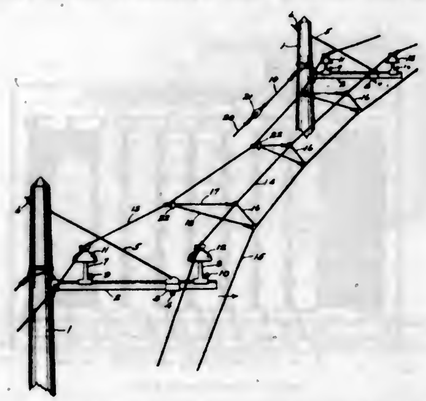


1. A folding organ comprising a casing adapted to be unfolded to operative position, an organ mechanism therein having a front and rear swell, a cover on said casing normally covering the keys of said mechanism and adapted to be opened to permit operating the same, and a second cover on said casing normally covering an opening therein communicating with said rear swell and adapted to be opened to permit accentuating said swell.

1,589,619. OVERHEAD TROLLEY SYSTEM. LELAND W. BIRCH, Mansfield, Ohio, assignor to the Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 2, 1923. Serial No. 138. 15 Claims. (Cl. 191—41.)

1. In an overhead system, the combination of spaced supports, insulators mounted upon the supports, a messenger cable mounted upon an insulator on each support, a trolley wire supported from the messenger cable by a plurality of hangers between adjacent supports, a backbone cable mounted upon an insulator on each support and pull-off members extending from the backbone

cable to the messenger cable and trolley wire at each hanger to pull the messenger cable and trolley wire into

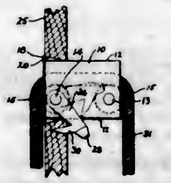


a predetermined relation with the track below so that the curvature of the trolley wire will approximate that of the track.

1,589,620. BODY HARDWARE. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich., a Corporation of New Jersey. Filed July 15, 1924. Serial No. 726,209. 2 Claims. (Cl. 16—135.)

1. In a hinge structure, a mortise casing comprising a boxlike portion provided with attaching flanges, a U shaped sheet metal pin carrying plate having free ends bent outwardly to form attaching flanges and further provided with projecting portions adjacent the free ends of the U bent into overlapping relation adjacent the open end of the U and secured together, and an L shaped hinge arm member adapted to be received within and pivoted to said pin carrying plate, said mortise casing being provided with recesses in its face to receive the outwardly bent free ends of said pin carrying plate and a pocket in the bottom thereof for receiving the bottom of said pin carrying plate.

1,589,621. WINDOW-FRAME PULLEY. CLAUDE E. BOWERS, Los Angeles, Calif. Filed July 16, 1925. Serial No. 44,056. 4 Claims. (Cl. 16—213.)

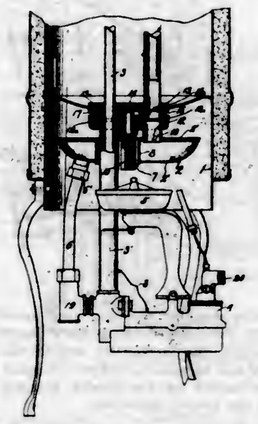


1. A pulley block comprising a pair of metallic members adapted when placed together to form an opening extending therethrough, combined rivet and pulley pins extending transversely through said members to rigidly secure the same together, a metal pulley journalled on each pin within the opening, and means pivotally mounted on one of said pulley-pins for securing the block to a support.

1,589,622. SIGN HOLDER FOR AUTOMOBILES. JOSEPH P. BRENNAN, Memphis, Tenn. Filed Oct. 9, 1925. Serial No. 61,596. 3 Claims. (Cl. 40—129.)

1. In a sign holder for an automobile, having a radiator and filling tube; the combination with a reinforcing plate adapted to surround the filling tube and rest on and conform to the upper surface of the radiator, said plate having a downwardly turned edge adapted to engage the front edge of the radiator, and a post socket, a sleeve surrounding said filling tube and clamping said plate against said radiator surface, a locking sleeve engaging said filling tube sleeve and filling tube, a sign frame, a post therefor adapted to be stepped in said socket, and clamps securing said post to said filling tube sleeve.

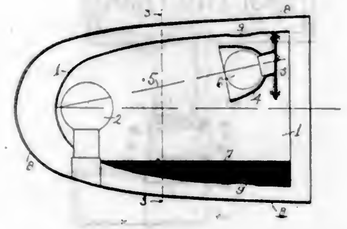
1,589,623. WATER HEATER. JULIUS BROMBACHER, Verdugo City, Calif. Filed July 16, 1925. Serial No. 44,089. 9 Claims. (Cl. 126—350.)



1. In a water heater, including a water heating means, a thermostatic regulator and appurtenances, and a tank, a plate in the bottom of said tank having extended therefrom a stud and provided with water circulating passages, a supporting member for said heating means, thermostatic regulator and appurtenances, having openings in line with the passages in said plate, means be-

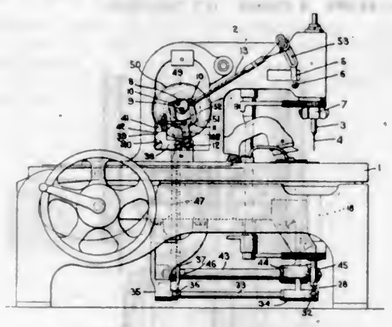
tween said plate and member to connect the passages therein, and means engaging said stud to connect said member to said plate.

1,589,624. HEADLIGHT. HARRY E. BRONSON, Tacoma, Wash. Filed Oct. 12, 1925. Serial No. 61,885. 2 Claims. (Cl. 240—41.)



1. In a headlight, the combination with a focal light and a prolonged reflector of the usual parabolic form, of an upper segmental web in the front opening of said prolonged reflector blanked to supplement said segmental web in confining the rays of said headlight to a spreading horizontal form, and said focal light augmented by an oppositely mounted light and reflector located back of said segmental web.

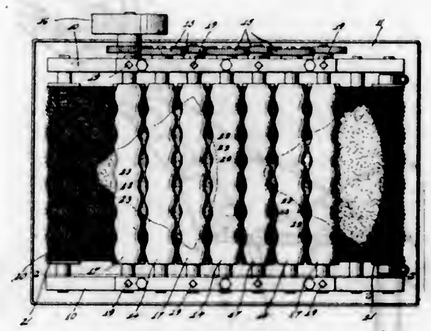
1,589,625. SEWING MACHINE. AXEL FOLKE CARLSON, Cambridge, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Sept. 5, 1925. Serial No. 54,787. 7 Claims. (Cl. 112—157.)



1. In a sewing machine having a needle operating above the work and two loopers and their looper spreaders operating beneath the work, the combination with said needle, loopers and spreaders, of needle jogging mechanism, and means actuated by the needle jogging mechanism for operating the looper spreaders.

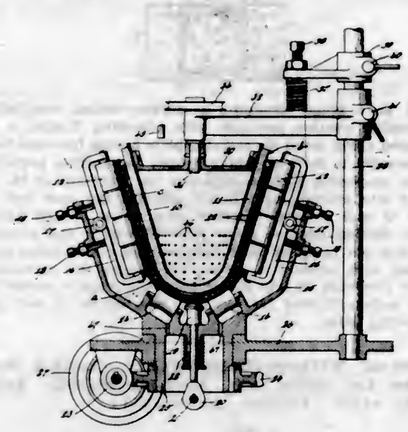
1,589,626. METHOD OF AND APPARATUS FOR TREATING FELT ARTICLES. FRANK F. CHUDOBA, Glastonbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 21, 1924. Serial No. 708,045. 19 Claims. (Cl. 28—6.)

15. In a machine for treating hat bats and the like, a flexible member having a bat supporting surface provided with numerous kneading knuckles, and means for progressively and successively applying pressure to said



member and bats while maintaining the same in corrugated condition.

1,589,627. METHOD OF AND APPARATUS FOR TREATING FELT ARTICLES. FRANK F. CHUDOBA, Glastonbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed May 21, 1924. Serial No. 714,882. 41 Claims. (Cl. 28—6.)

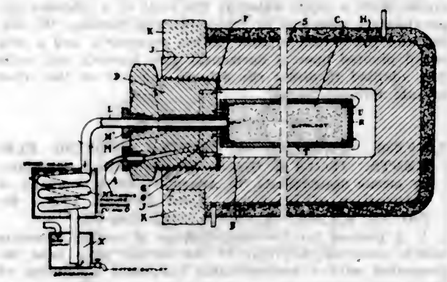


26. The herein described method of treating hat bats and the like, which consists in supporting and maintaining the bat in conical form between a pair of conical members one of which is flexible, and progressing successive waves in the flexible member.

1,589,628. PURIFICATION OF GASES FOR AMMONIA SYNTHESIS. GEORGES CLAUDE, Paris, France, assignor, by mesne assignments, to Lasote Inc., a Corporation of Delaware. Filed Mar. 25, 1922, Serial No. 546,902, and in France Mar. 25, 1921. 13 Claims. (Cl. 23—7.)

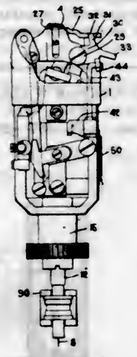
1. A process of purifying gases for the synthetic manufacture of ammonia by the aid of a catalytic agent, in which the purification of the gaseous mixture of hydrogen

and nitrogen containing carbon monoxide and oxygen to be subjected to the synthesis is effected by the removal



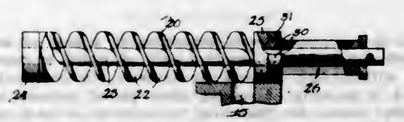
to a practically complete extent of the carbon monoxide and oxygen in the mixture of gases by passing the gases over a heated catalytic material.

1,589,629. THREAD PULL-OFF FOR SEWING MACHINES. JOHN W. CONNORS, Dedham, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Dec. 26, 1924. Serial No. 758,104. 9 Claims. (Cl. 112—242.)



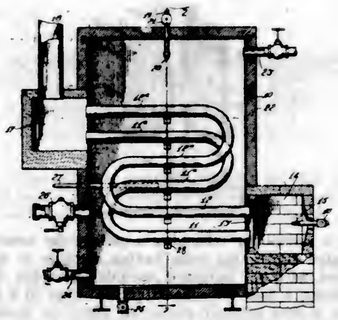
1. In a buttonhole sewing machine of the type having a rotary turret carrying the under thread-manipulating mechanism, the combination with said turret, of a pull-off device mounted on the turret for pulling off a length of under thread, means on the turret to apply tension to the under thread, and means actuated by the rotary movement of the turret to actuate the pull-off and simultaneously release the tension.

1,589,630. NONCLOGGING FEED DEVICE. JAMES HAROLD COOPER, Memphis, Tenn. Filed Sept. 27, 1924. Serial No. 740,268. 10 Claims. (Cl. 198—218.)



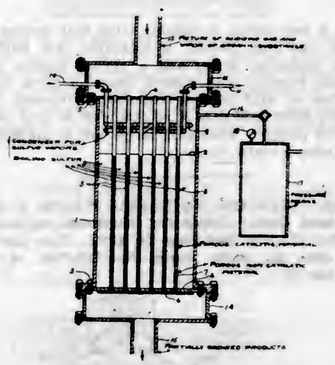
1. In combination, a rotative tubular body exteriorly formed as a feed spiral open at the periphery, the roots of the turns of which extend to the bore of the body, and a journal on which said body is mounted to turn.

1,589,631. OIL-TREATING APPARATUS. EDWARD A. DIETERLE, Glen Ellyn, Ill. Filed Apr. 7, 1923. Serial No. 630,431. 2 Claims. (Cl. 196—128.)



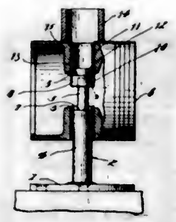
1. An apparatus of the character described, comprising a metallic shell provided at one end with a combustion chamber while the opposite end is provided with an outlet stack, a plurality of metallic tubes or flues, bent back and forth in opposite directions, disposed intermediate of the combustion chamber and the outlet and in communication therewith, the flues being arranged in series, with the flues of one series arranged in staggered relation with the flues of the other, means communicating with a source of supply whereby oil may be sprayed onto the tubes, regulable means whereby the vaporized products may be conveyed from the shell and whereby pressure in the shell may be obtained, and means whereby the residual oils may be withdrawn from the lower end of the shell.

1,589,632. PROCESS FOR THE CATALYTIC OXIDATION OF ORGANIC COMPOUNDS. CHARLES RAYMOND DOWNS, New Haven, Conn. Filed Jan. 21, 1924. Serial No. 687,441. 4 Claims. (Cl. 260—136.)



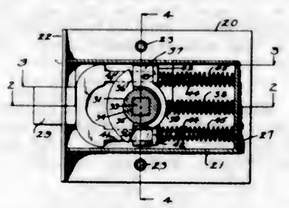
4. In the production of benzaldehyde by the oxidation of toluene in the vapor phase with an oxygen containing gas in the presence of a catalyst, the step which comprises regulating the temperature of the catalyst and reacting gases by removing the heat of reaction by the vaporization of sulphur distribuuted within the zone of reaction out of direct contact with the catalyst, but in heat transferring relationship thereto, the temperature at which the sulphur boils being controlled by the pressure applied to it.

1,589,633. MEANS FOR REBUSHING PISTONS. GEORGE DUNTON and CHARLES DAWSON, Santa Ana, Calif. Filed Apr. 29, 1924. Serial No. 709,879. 3 Claims. (Cl. 29—88.2.)



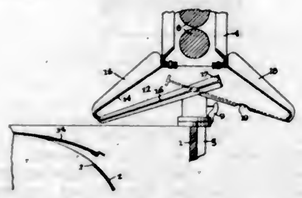
1. In a device for rebushing a piston, the combination of a piston supporting stem having sections of different diameters with an upturned shoulder provided between the sections, a base for supporting said stem in a vertical position, a stop member supported upon the shoulder of said stem and adapted to engage the lower end of the hub of the piston for limiting the insertion of a bushing into said piston, means for supporting said stem and stop member with the bushing thereon, and a contact and guide member adapted to be forced with a bushing longitudinally into said hub.

1,589,634. DOOR LATCH. ROY J. EASTON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,288. 5 Claims. (Cl. 292—122.)



1. In a door latch, a slidable latch bolt having spaced arms at one end thereof, a rotatable cam having oppositely extending arms, and a spring pressed member positioned between said spaced arms on latch bolt and said arms of said cam to transmit movement to said latch bolt when said cam is rotated and to hold said cam in normal position when said latch bolt is longitudinally moved independently thereof.

1,589,635. CLOTHES WRINGER. WALTER A. FRANTZ, Cleveland, Ohio. Refiled for abandoned application Serial No. 577,120, filed July 24, 1922. This application filed June 23, 1924. Serial No. 721,630. 3 Claims. (Cl. 68—32.)



1. In laundry apparatus the combination with a casing, a wringer frame pivoted thereto upon a vertical axis located outside said casing and a clothes receptacle located inside said casing and having a mouth therein spaced from the casing wall, of a clothes guide rigidly attached to said frame and comprising an outwardly and downwardly inclined plate extending at each side of the frame from a point adjacent the rolls to a distance approximately sufficient to bridge the gap between the casing and the mouth of said clothes receptacle, and a drip board pivoted upon a horizontal axis beneath said rolls and adapted to direct the drip to one side or the other of said wringer frame.

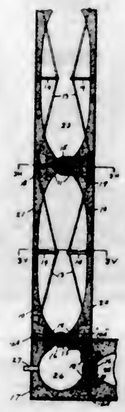
1,589,636. PROCESS OF MAKING ROOFING ELEMENTS. JULIUS H. GILLIS, Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company, a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,386. 4 Claims. (Cl. 204—8.)

1. A process for the manufacture of roofing elements which comprises applying to the surface of a base impregnated with a waterproofing compound a solution of the waterproofing compound in a volatile solvent, applying thereto a conducting material, and electrodepositing a metallic coating over the conducting material.

1,589,637. PROCESS OF MAKING ROOFING ELEMENTS. JULIUS H. GILLIS, Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company, a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,823. 8 Claims. (Cl. 204—8.)

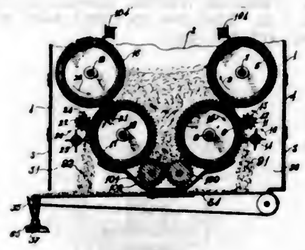
1. A process for the manufacture of roofing elements, which comprises applying to the surface of a base treated with a water-proofing material an emulsion containing this water-proofing material, applying thereto a conducting material, and electrodepositing a metallic coating thereover.

1,589,638. REFRIGERATOR WALL. CHARLES E. GLESSNER, Portland, Oreg. Filed Mar. 8, 1922. Serial No. 542,181. 2 Claims. (Cl. 257—21.)



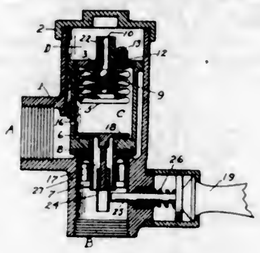
2. A refrigerator wall consisting of a pair of separated sectional wall members each of which is capable of withstanding atmospheric pressure, in combination with a plurality of spacing pipes placed between said walls; means for fastening the sections of each wall against their contacting spacer pipes; an airtight covering on the outer side of each wall; means for conveying heat away from said pipes; and means adapted to be connected to a means for exhausting the air from between said walls.

1,589,639. HOPPER FOR CIGARETTE-MAKING MACHINES. WILLIAM F. GRUPE, Hudson Heights, N. J., assignor to Endless Belt Corporation, Inc., a Corporation of New York. Filed Oct. 10, 1919. Serial No. 329,829. 10 Claims. (Cl. 131—39.)



4. In a cigarette making machine, a hopper; two sets of carding devices disposed respectively toward opposite sides interiorly of said hopper, each set including a carding roll and a pin roll; the space intermediate said sets of carding devices being free from obstruction for the reception of tobacco, whereby the entire charge of the tobacco within the hopper is substantially wholly supported by said carding rolls and independently of said pin roll; means for rotatably mounting said carding rolls within said hopper; means for rotatably mounting the pin roll of each set between the carding roll and the adjacent side of said hopper, whereby to locate said pin roll in an unobstructed region of said hopper; speed regulating means for one of said sets of carding devices and separate speed regulating means for the other of said sets of carding devices.

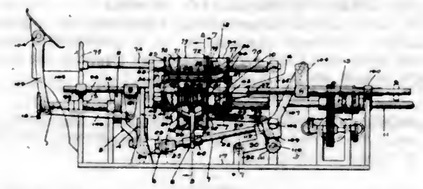
1,589,640. FLUSHING VALVE. DAVID E. GULICK, Wilmette, Ill. Filed Mar. 10, 1923. Serial No. 624,064. 7 Claims. (Cl. 137—93.)



3. A flushing device including a casing, a piston and main valve in said casing, flexible bellows means in the piston, an initiating valve, actuating means for opening said initiating valve and means permitting the closing of said initiating valve and said main valve while the said actuating means remains in the open position.

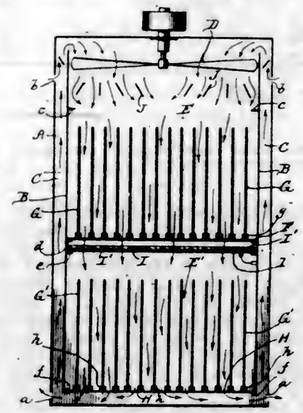
1,589,641. AUTO TRANSMISSION. HENRY O. HAMILTON, San Francisco, Calif. Filed June 29, 1925. Serial No. 40,219. 8 Claims. (Cl. 74—54.)

4. In an automobile transmission, a driven shaft, an actuating assembly mounted for slidable movement upon said driven shaft, said actuating assembly comprising actuating arms mounted for oscillation about said driven shaft and bearing ratchet wheel engaging means, ratchet wheels mounted upon said shaft, clutch means for said ratchet wheels adapted to selectively connect said ratchet wheels to said shaft, means for imparting an intermittent oscillatory movement to said arms, thereby causing a nearly continuous rotary movement to be transmitted,



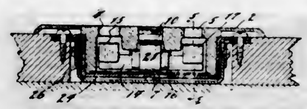
through either of said ratchet wheels, to said driven shaft, and means for varying the throw of said actuating arms to vary the speed transmitted to said driven shaft.

1,589,642. DRIER FOR PHOTOGRAPHIC PRINTS AND FILMS. GORDON DON HARRIS, Stamford, Conn., assignor to The Industrial Dryer Corporation, Stamford, Conn., a Corporation of Connecticut. Filed Mar. 1, 1926. Serial No. 91,349. 6 Claims. (Cl. 34—19.)



1. A drier of the class described embodying a chamber and a flue for the circulation of a drying atmosphere, means for supporting material within the chamber, a blower for circulating the atmosphere downwardly within said chamber, and means for diverting the downflow of said atmosphere and for equalizing the flow within said chamber.

1,589,643. FLUSH RECEPTACLE. PAUL HARTMANN, Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-half to Charles L. Eidlitz, New York, N. Y., and one-half to Metropolitan Electric Mfg. Co., a Corporation of New Jersey. Filed Sept. 30, 1922. Serial No. 591,487. 11 Claims. (Cl. 173—330.)

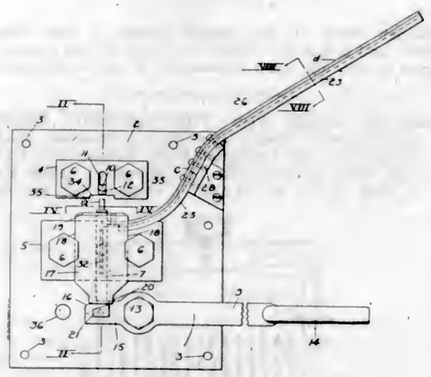


1. A flush receptacle comprising a body of insulating material interiorly recessed and provided with both a slot for a plug blade and with a passage communicating with the recess, a contact bus member in the recess having a contact terminal registering with the slot, and a terminal member extending through the passage and resiliently interlocking with the contact bus member and having a part coacting with the body to hold the contact bus member and terminal member in place.

1,589,644. FUNGICIDE COMPOSITION. OSCAR F. HEDENBURG, Pittsburgh, Pa., assignor to Frank O. Moburg, Toledo, Ohio. Filed Jan. 18, 1921. Serial No. 438,237. 6 Claims. (Cl. 23—61.)

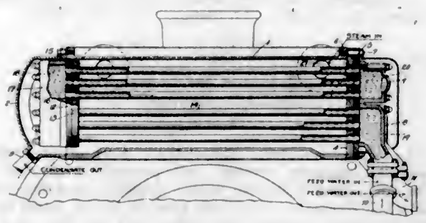
1. A fungicide composition, comprising a cuprammonium carbonate composition in a substantially dry solid state which is readily soluble, at least for the most part in cold water.

1,589,645. RIVET PUNCH. WILLIAM J. HEYL, Clairton, Pa. Filed May 5, 1924. Serial No. 711,186. 7 Claims. (Cl. 78—49.)



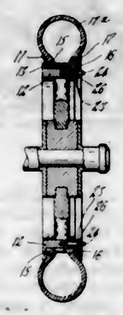
6. In combination with a supporting base having a fixedly mounted upper stationary punching die provided with a lower blank receiving recess, a lower plunger bearing block secured to the base having a half round bearing extension providing a limiting abutment, a reciprocable plunger in said bearing, an inclined rivet feeding chute leading into the plunger block opposite to said abutment, a reciprocable bending plate slidably mounted on the front of the plunger bearing block, and an operating lever for the plunger having a partly rounded terminal in registering engagement with its lower end and a laterally arranged abutment in register with the bending plate having a sloping face adapted to bear against the lower end of the bending plate when raised, whereby to support the bending plate in position with its lower edge underneath the blank at the time the plunger has forced a rivet through the blank while it is pressed upwardly against the die.

1,589,646. FEED-WATER HEATER. IRVING C. HICKS, Topeka, Kans. Filed July 13, 1925. Serial No. 43,227. 4 Claims. (Cl. 257—236.)



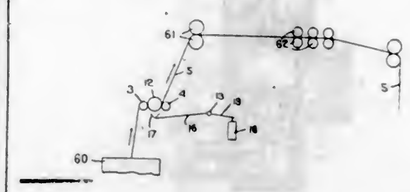
1. A feed water heater comprising a shell having an inlet and an outlet, composite tube sheets spaced from the ends of the shell and having tube openings, and tubes extending through the tube sheets and secured to the outer members thereof, the tubes and the outer members of the tube sheets being of material having the same coefficient of expansion.

1,589,647. VEHICLE WHEEL. GEORGE HOMIAK, Newmarket, N. H. Filed Mar. 30, 1925. Serial No. 19,231. 1 Claim. (Cl. 301—35.)



In a vehicle wheel, a rim composed of an inner and an outer ring, said rings being adapted to be separately abutted together on the periphery of a felly, each ring having a tire-engaging flange at its outer edge, offset bolts fixed to and offset inward from the inner ring, and adapted to project into recesses in the felly and laterally therefrom, the outer ring having a series of perforated ears, arranged to receive the offset bolts, and nuts engaged with the offset bolts and seated on the ears, to clamp the rings together.

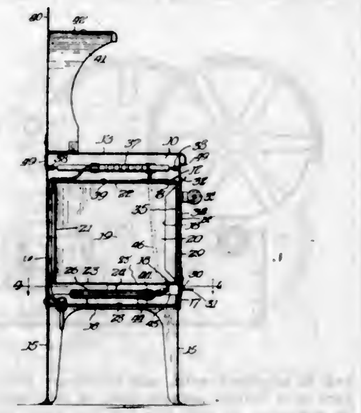
1,589,648. STOP MOTION. CHARLES W. HUBBARD, Weston, Mass. Filed May 19, 1923, Serial No. 640,111. Renewed Nov. 20, 1925. 5 Claims. (Cl. 19—167.)



2. In a stop motion, the combination with a pair of separated rolls over which the sliver passes, of means to drive said rolls, a plurality of weight rolls each having a diameter equal to the distance between said driven rolls and each resting on and supported by a sliver between said driven rolls, whereby when any sliver runs out or breaks the corresponding weight roll will drop between the driven rolls, a controller rod and means to actuate the controller rod by any weight roll when it drops between the driven rolls.

1,589,649. TOY RANGE. DAVIDD C. HUGHES, Chicago, Ill., assignor to Harvey Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1922. Serial No. 591,035. 8 Claims. (Cl. 219—35.)

1. A toy range comprising a casing having a front opening, an oven mounted within said casing and communicating with said front opening, said oven being spaced from the walls of said casing, a bottom pan, legs for said range providing spacing means between said bottom pan and said casing whereby to admit air to the exterior of said oven, and a heating element mounted between the bottom of said oven and said pan.



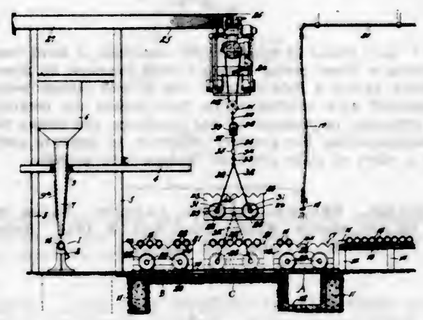
1,589,650. COMPOUND FOR WATERPROOFING PORTLAND-CEMENT CONCRETE. EDWIN C. E. LORD, Washington, D. C., dedicated to the Government and the People of the United States of America. Filed Dec. 14, 1925. Serial No. 75,476. 1 Claim. (Cl. 134—1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

A compound for waterproofing concrete, consisting of a solution of colophony containing 80% abietic acid and kerosene in the proportion of two parts by weight of acid to three parts of kerosene, and paraffin in an amount sufficient to equal approximately 2% by weight.

1,589,651. PRESSURE-TIP SCALE FOR CUTTING BLOWPIPES. GEORGE R. MCDERMOTT, Chicago, Ill. Filed July 3, 1922. Serial No. 572,495. 2 Claims. (Cl. 33—111.)

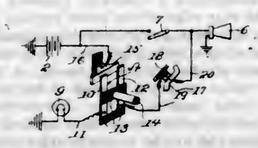
1. A gauge for use in the art of metal cutting comprising a scale having a series of graduations thereon to indicate dimensions and two series of numbers, each number of one series in relation to a single graduation or group of graduations indicating the proper size burner tip and each number of the other series in relation to a single graduation or group of graduations indicating oxygen pressure to be employed by cutting a metallic object having a thickness indicated by the graduation or one of the group of graduations associated with such particular members.

1,589,652. MEANS FOR HANDLING CORE BARS AND CORES. JAMES R. MCWANE, Birmingham, Ala. Filed Dec. 12, 1924. Serial No. 755,510. 11 Claims. (Cl. 22—20.)



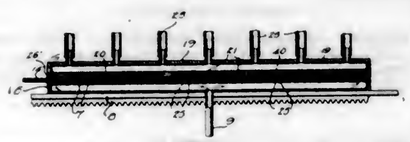
1. In means for handling core bars and cores to and from a core making machine, a runway elevated above the floor and terminating in spaced relation to the core machine and in front of the same, floor tracks between the runway and core machine and capable of holding three core cars, a core car normally located on the floor tracks adjacent to the runway to receive the core bars therefrom, means for wetting the bars on said car, lifting means to lift the core bars one at a time from a filled car to place said bars in the core machine and then remove the cores therefrom back to said car, and overhead means for picking up an entire car loaded with finished cores, after the same has been moved to a central position on the floor tracks and conveying the loaded car to the flasks.

1,589,653. SIGNAL. GLENN ROY MORRIS, Yakima, Wash., assignor of one-half to Wallis B. Williams, Yakima, Wash. Filed Feb. 9, 1924. Serial No. 691,755. 1 Claim. (Cl. 177—337.)



A signal for a vehicle comprising a lamp at the rear thereof, a circuit for the lamp, a double switch moved to closed position by the shift rod of the transmission mechanism when the same is in reverse position, one part of the switch being located in the circuit of the lamp, an alarm for the vehicle, a switch actuated by the clutch pedal, a conductor connecting one part of the switch with the other part of the first mentioned switch and a conductor connecting the second part of the second switch with the alarm, an auxiliary circuit for the alarm, and a switch in the auxiliary circuit for sounding the alarm when the vehicle is proceeding straight ahead and when the switch is actuated by the clutch pedal is arranged in an open position.

1,589,654. METHOD OF MOLDING GLASS AND APPARATUS THEREFOR. PAUL R. MURDOCK, Paden City, W. Va. Filed Apr. 28, 1925. Serial No. 26,501. 6 Claims. (Cl. 49—1.)



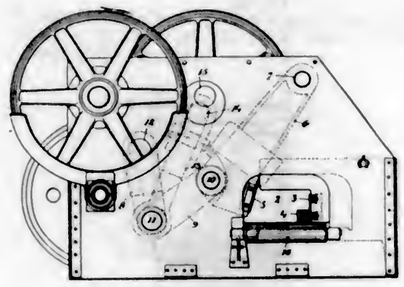
1. In a device of the character described, a mold comprising a lower casing having a fluid chamber, an upper casing having a fluid chamber, one of said casings being provided with cavities in its face, means for creating a difference in pressure in said chambers, and means for communicating the pressure difference to opposite sides of a sheet of glass arranged between said casings.

1,589,655. FRUIT-GATHERING LADDER. FRANK W. NELSON, Seattle, Wash. Filed Sept. 3, 1924. Serial No. 735,648. 1 Claim. (Cl. 228—32.)

A ladder comprising a centrally disposed rail, a strip applied to the rear edge of the lower portion thereof, said strip having side edge portions which extend beyond the side surfaces of the rail, a platform step mounted upon the upper end of the strip and having a recess which receives the rail, a prop leg pivoted to the platform step, a series of steps applied to the intermediate portions of the rail and the strip, spaced bars applied to the lower end of the rail and at the opposite sides thereof, one of said bars being secured to the lower end of the strip, and leg members secured at their uper ends to the outer ends of certain of the intermediately located steps and having their intermediate portions disposed between the spaced bars at the ends thereof and secured thereto.

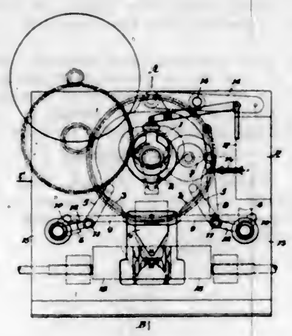
1,589,656. BILLET SHEARS. HENRY PELS, Berlin-Charlottenburg, Germany. Filed July 7, 1924, Serial No. 724,710, and in Germany May 3, 1924. 2 Claims. (Cl. 164—49.)

1. A billet shears comprising, in combination, a machine frame having a wide inclosed mouth, a stationary knife fixed in one end of said mouth, a reciprocating knife mounted to swing in an arcuate path, normally located at the opposite end of, and clear of, said mouth, and means for operating said reciprocating knife to move it in an arcuate path across said mouth toward,



and to cooperate with, said stationary knife and to return it to normal position clear of said mouth, the path of movement of said reciprocating knife embracing the entire area of said mouth.

1,589,657. METAL-WORKING MACHINE. HENRY PELS, Berlin-Charlottenburg, Germany. Filed Nov. 8, 1924, Serial No. 748,788, and in Germany Sept. 13, 1924. 6 Claims. (Cl. 164—47.)

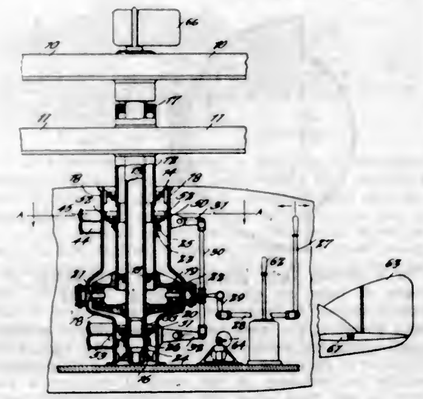


1. A metal working machine for working profile metal comprising a knife holder, and an eccentric for engaging said holder for reciprocating the same in a vertical plane, the axis about which said eccentric rotates being substantially in the same transverse vertical plane as the vertical central line of said holder, in combination with a pair of links, one at either side, and abutments respectively cooperating with said links, and means operative at will for alternately positioning said abutments to limit the movement of said links, whereby said links alternately act upon said knife holder to translate the lower part of the vertically downward movement of the lower portion of said holder into an arcuate vertically downward movement.

1,589,658. HELICOPLANE-SUPPORTING SYSTEM. RAUL PATERAS PESCARA, Barcelona, Spain. Filed Dec. 29, 1921, Serial No. 525,734, and in Spain Dec. 3, 1920. 1 Claim. (Cl. 244—19.)

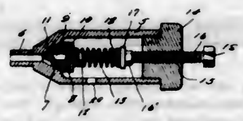
An aeroplane having a pair of supporting surfaces adapted to rotate in opposite directions, shafts therefor,

axially displaceable sleeves surrounding said shafts, cooperating friction devices to be brought into play in the upward displacement of the sleeves, a pawl carried by



each of said sleeves, and means to cause said pawl to engage with a fixed catch on the downward displacement of the sleeve to lock the particular shaft against rotation.

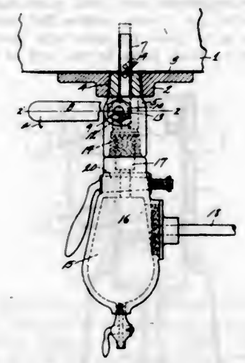
1,589,659. VALVE. HOMER W. PHILLIPS and NEMAH SAYED, Georgetown, S. C. Filed May 31, 1924. Serial No. 717,166. 1 Claim. (Cl. 137—58.)



A valve comprising a barrel casing having an end tapered and terminating in a threaded nipple adapted to be secured to a water pipe, a removable plug threaded in the opposite end of the barrel and formed with a threaded bore, a conical valve seat interiorly disposed in the tapered portion, a frusto-conical valve normally seated on said seat, a shank having a threaded end, said shank passing through said valve, a nut securing said shank in said valve, a stud on the other end of said shank, a headed screw mounted in the threaded bore, a projecting boss on the inner end of said screw, a coil spring having its end convolutions surrounding the stud and projecting boss respectively, said spring preventing the valve from being opened by ordinary water pressure but permitting it to be moved in open position by excess pressure due to freezing of water in the pipe to which the valve is attached, and said barrel having a vent opening therein.

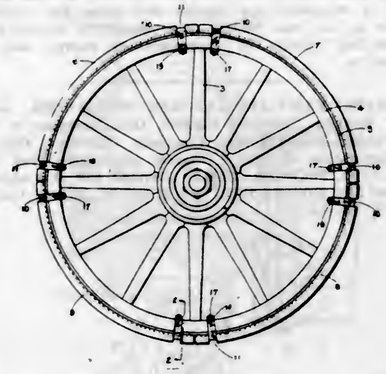
1,589,660. GASOLINE-TANK VALVE. HARRISON M. PLOTNER, Mishawaka, Ind. Filed June 25, 1925. Serial No. 39,510. 1 Claim. (Cl. 158—46.5.)

A tank valve comprising a casing connected to the bottom of a tank, a tubular member slidably mounted in a bearing of the casing and extending upwardly into the tank and provided with apertures spaced from its upper end, a rotatable shaft rotatably mounted in a bearing of the casing at substantially a right angle to the tubular member, an integral disc carried by said shaft in a chamber of the casing, a bushing surrounding the shaft and threaded into the chamber of the casing and of greater diameter than the disc, an eccentrically mounted pin



carried by said disc and extending into an elongated aperture in the tubular member and a handle member carried by said shaft.

1,589,661. AUXILIARY TIRE FOR VEHICLE WHEELS. DAVID LEWIS RENNIE, Pontrilas, Saskatchewan, Canada. Filed Jan. 26, 1925. Serial No. 4,678. 2 Claims. (Cl. 301—40.)

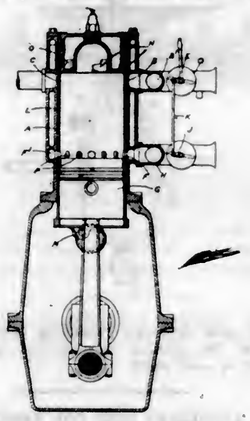


2. The combination with a vehicle wheel including a rim, of an auxiliary tire including segmental sections channel-shaped in cross section arranged about said rim in abutting relation; clamps seated in said sections in close proximity to the abutting ends thereof; screw threaded extremities on said clamps extending inwardly beyond the inner periphery of said rim, members positioned over said threaded extremities and extending transversely of said rim to hold said threaded extremities in position, and nuts on said threaded extremities for securing said members.

1,589,662. INTERNAL-COMBUSTION ENGINE. HARRY RALPH RICARDO, London, England. Filed July 7, 1924, Serial No. 724,706, and in Great Britain July 18, 1923. 2 Claims. (Cl. 123—75.)

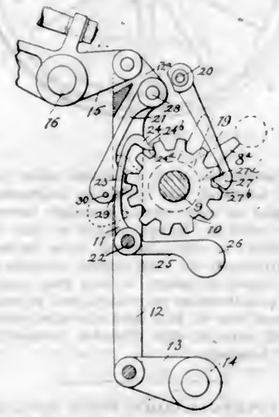
1. In an internal combustion engine operating on the four-stroke cycle, the combination of a piston, a cylinder having main inlet and exhaust ports adjacent to the head of the cylinder and a number of supplementary inlet ports situated around the cylinder where they will be uncovered

substantially simultaneously by the piston towards the end of its out-stroke to admit a supplementary charge of air, a ported sleeve valve having its ports so arranged that when the supplementary inlet ports are open the main inlet ports are closed, means for operating the sleeve valve so as to close the main inlet ports and open the supplementary inlet ports at the end of the suction



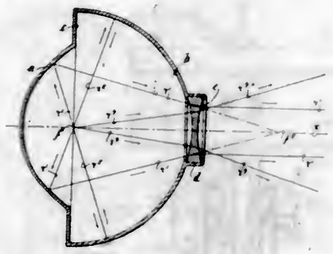
stroke, a passage through which air passes to the supplementary inlet ports, and a throttle valve controlling the flow of gas to the main inlet port, the arrangement being such that at full main throttle only a small quantity of supplementary charge will enter the cylinder while as the main charge is progressively throttled an increasing amount of supplementary charge will be drawn in.

1,589,663. PAWL-AND-RATCHET MECHANISM. JOHN F. ROGERS, Cleveland Heights, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed May 2, 1925, Serial No. 27,379. Divided and this application filed June 24, 1925. Serial No. 39,220. 11 Claims. (Cl. 74—54.)



1. A ratchet and pawl mechanism comprising a ratchet, an actuating member having an actuating pawl engageable with the teeth of the ratchet to drive the same in one direction, means engageable with the teeth of the ratchet for preventing reverse rotation, and means engeable with the teeth of the ratchet to prevent the same fram overrunning the actuating pawl during the driving stroke thereof.

1,589,664. LIGHT PROJECTOR ESPECIALLY SUITABLE FOR USE UPON VEHICLES. HERBERT SIDNEY RYLAND, London, England. Filed May 7, 1923, Serial No. 637,331, and in Great Britain May 17, 1922. 1 Claim. (Cl. 240—41.)

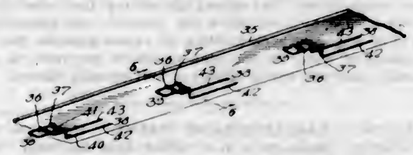


In a unitary light projector, the combination of a source of light, an elliptical reflector having its edge terminating at the inner focal plane, said source of light being placed at the inner focus of the reflector, a hemispherical reflector facing the elliptical reflector and having its center of curvature at the said focus and its periphery outside the periphery of the elliptical reflector, a ring lying in said focal plane and connecting the peripheries of the two reflectors, an aperture at the vertex of the hemispherical reflector between the source of light and the second focus of the elliptical reflector, and a diverging lens located in said aperture and having its virtual focus coinciding substantially with the said second focus.

1,589,665. ARTICLE OF MANUFACTURE. JULIUS SCHMUTZ, Louisville, Ky., assignor to Schmutz Manufacturing Company, Incorporated, Louisville, Ky. Filed Mar. 5, 1924. Serial No. 697,048. 1 Claim. (Cl. 101—395.)

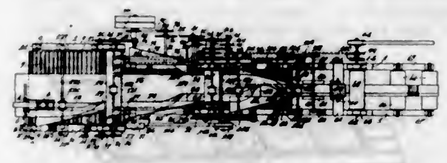
A printing unit comprising a parallelopiped metal plate having openings passing therethrough, the side wall surfaces of the openings from end to end of the openings and between the opposite side surfaces of the plate being disposed at right angles to the opposite side surfaces of the plate, a layer of rubber mounted upon one side surface of the plate and completely covering said surface and having projections completely filling the openings in the plate, a layer of rubber mounted upon one side surlayer of rubber and a second layer of rubber applied to the outer surface of the layer of canvas.

1,589,666. CONFECTIONERY-COOLING DEVICE. LAWRENCE BELL SMITH, El Dorado, Ark., assignor of one-third to Tom Marlin, El Dorado, Ark. Filed Sept. 20, 1922. Serial No. 589,337. 3 Claims. (Cl. 34—12.)



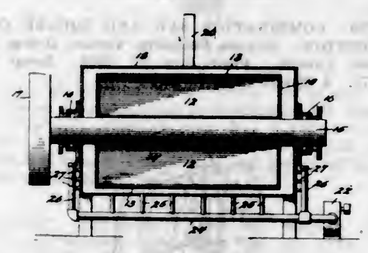
3. An apparatus for cooling confections and the like comprising a platform, an open ended casing mounted upon said platform, containers for refrigerant material surrounding the inner walls of said casing, an endless conveyor belt supported by pulleys mounted on the platform at the ends of the casing, said belt passing within the casing in one direction of travel and outside the casing on the return direction of travel, and propulsion means for the belt mounted upon the platform.

1,589,667. BAT-FORMING MACHINE. MAURICE JOSEPH STACK, Waterford, N. Y. Filed Feb. 23, 1926. Serial No. 90,221. 5 Claims. (Cl. 19—145.)



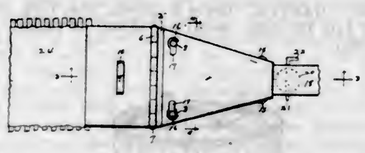
1. In a bat folding machine, a plurality of successive folding sections, compressing rolls beyond each section, a series of core strip guide rollers associated with said sections, whereby the core strip may be fed to the bat at any of the sections as desired, rotatable guide heads beyond the last section, a funnel beyond the guide heads, and final compressing rolls to which the bat is directed by the funnel.

1,589,668. DYEING APPARATUS. FRANCIS C. W. STELTER, Long Island City, N. Y. Filed June 20, 1923. Serial No. 646,588. 2 Claims. (Cl. 8—9.)



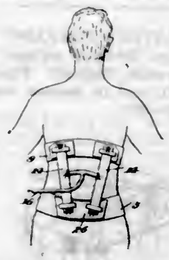
2. In a dyeing apparatus, the combination with a storage tank, of a dyeing tank, a rotatable cylinder in said dyeing tank, said cylinder being provided with radial partitions dividing it into compartments and having a perforated cylindrical wall and perforated ends, a series of inlets in the bottom of the tank beneath said cylinder, a second series of inlets in each end of the dyeing tank, and means for directing dye liquor from the storage tank through said inlets against the bottom and sides of said cylinder.

1,589,669. MORTAR SPREADER. ALFRED VAN DE SANDT, Los Angeles, Calif. Filed Apr. 26, 1924. Serial No. 709,182. 5 Claims. (Cl. 72—130.)



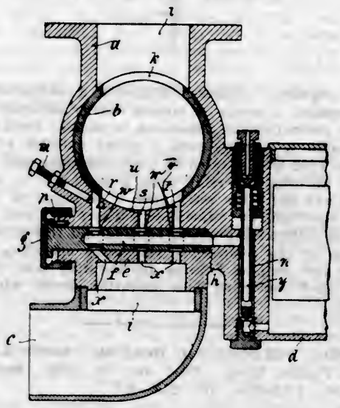
1. In a mortar spreading mechanism of the character described, a mortar ejector having an intake opening and a discharge opening and having an upper member and a lower member pivoted together at the intake end, each member having near the discharge end two openings, the openings in the upper member registering with the openings in the lower member, two bolts arranged in the openings and extending through the ejector and adapted to regulate the size of the discharge opening, and a trowel provided with a handle and having one edge hinged to the upper member above the discharge opening.

1,589,670. PNEUMATIC STRETCHER. KARL H. VARTIA, Butte, Mont., assignor of one-third to Alf C. Kremer and one-third to Jacob Maki, both of Butte, Mont. Filed Nov. 15, 1924. Serial No. 750,130. 11 Claims. (Cl. 128—75.)



1. In an apparatus of the class described, means constructed for attachment at separated points to the body in the lumbar region, and air tubes connecting said means, and devices for applying compressed air thereto for forcing the first-named means apart for applying stretching force to the spinal column in a longitudinal direction.

1,589,671. CARBURETOR. JOSEF VOGEL, Munich, Germany. Filed Feb. 2, 1920, Serial No. 355,868, and in Germany Nov. 18, 1918. 2 Claims. (Cl. 261—41.) (Granted under the provision of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



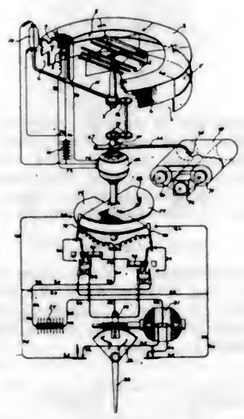
2. A carburetor comprising a casing, a bridge extending across the casing and having a plurality of passages extending therethrough in the direction of air flow and terminating in arcuate tapered extensions; a fuel-distributing tube mounted in the bridge piece, intersecting said passages, having peripheral grooves and openings from its bore to said grooves, said grooves connecting the parts of said passages above and below said tube and a cylindrical throttle valve rotatably mounted in the casing and arranged to successively control the tapered extensions of said passages.

1,589,672. METHOD OF PREPARING RICE FOR CANNING. WALTER W. WILLISON, Brooklyn, N. Y., assignor to Thermokept Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 6, 1924. Serial No. 736,875. 7 Claims. (Cl. 99—8.)

1. The method of preparing a commodity of food as rice for canning, which comprises blanching or boiling said commodity in acidulated water until neutralised and

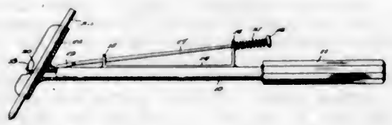
said commodity is distended to its maximum capacity, then arresting said blanching and cooking steps and immersing said commodity in a saline solution, and then removing said solution and canning the commodity in vacuo.

1,589,673. REGULATING COMPASS. OSKAR EDVIN WINTER, Stockholm, Sweden, assignor of one-half to Knutstelnmetz, London, England. Filed May 26, 1922. Serial No. 563,831, and in Sweden Aug. 29, 1919. 4 Claims. (Cl. 172—282.)



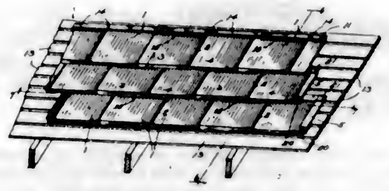
1. A regulator compass comprising a swingable compass housing, a source of radiant energy mounted therein, two control relays responsive to radiant energy from said source, a compass card, a screen movable with the compass card and adapted to cover normally both relays and to uncover one relay upon a deviation in one direction and the other relay upon a deviation in the opposite direction, an adjustable support for said relays mounted within the compass housing and rotatable about the axis of the compass, a stationary operating device outside the compass housing for rotating said support, and a shaft conecting said operating device with said support.

1,589,674. WELDING-ROD HOLDER. EDWIN A. BEARSON, Fertile, Minn. Filed Apr. 20, 1925. Serial No. 24,618. 2 Claims. (Cl. 219—8.)



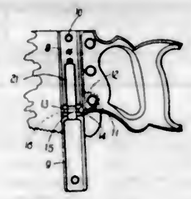
2. A welding rod holder comprising a stock having a handle at one end and a V-shaped saddle at the opposite end projecting to unequal distances from and inclined to the axis of the stock, and having inwardly disposed slots in its sides, a plate mounted on a side of the stock and having its ends offset to form a short front lug and a rear long lug, a rod slidably mounted in the lugs and having an angularly disposed elongated loop at its front end embracing the saddle and operating in the slots thereof, and having its front end rearwardly bowed to form a gripping lug, and a spring on the rod normally urging it rearwardly.

1,589,675. SHEET-METAL SHINGLES. GEORGE A. BELDING, Pittsburgh, Pa. Filed Oct. 5, 1925. Serial No. 60,427. 9 Claims. (Cl. 108—17.)



1. A sheet metal shingle having its upper edge turned backwardly upon itself to form an open-folded flange, and at its lower edge an underturned L-flange, the portion of said L-flange extending in the general direction of the body portion of the shingle being provided with a downwardly extending rib intermediate its width and a downwardly turned lip at its free marginal edge.

1,589,676. COMBINATION SAW AND SQUARE CONSTRUCTION. EDWARD BELGROVE, Vernon, British Columbia, Canada. Filed June 17, 1925. Serial No 37,877. 2 Claims. (Cl. 7—13.)



1. In combination, a saw blade having a straight ruling and scale edge, a handle on said blade, an extendable squaring edge mounted on said blade conjunct with said handle, formed of two sections, one of said sections being secured to said saw blade, the other said section being hinged to the section aforesaid, and means for retaining said hinged sections in folded and in extended positions.

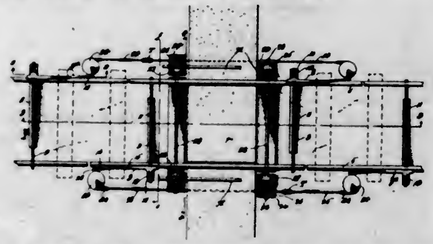
1,589,677. GARTER. LOUIS E. BISCH, New York, N. Y. Filed July 15, 1925. Serial No. 43,865. 1 Claim. (Cl. 241—5.)

A garter having spaced elastic portions and an intermediate textile portion, and an irregular elastic stocking gripping portion extending in a waving line circumferentially around the inside thereof.

1,589,678. REMOVING BROKEN TOOLS FROM BORE HOLES. THEODOR BORNEMANN, Hanover, Germany, assignor to Albert Stahn, Hanover, Germany. Filed Aug. 24, 1921, Serial No. 494,980, and in Germany Feb. 7, 1917. 6 Claims. (Cl. 175—367.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In an electromagnetic lifting device for use in bore-holes in combination, an electromagnetic, means for lowering said electromagnetic into a bore-hole and a source of electric energy combined with said electromagnet to form a self-contained unit suspended from said lowering means.

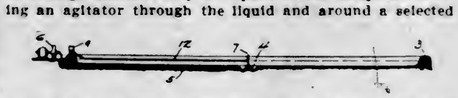
1,589,679. RAILROAD-CROSSING SIGNAL. DAVID BROWN, Eldorado, Ill. Filed Dec. 31, 1925. Serial No. 78,686. 7 Claims. (Cl. 246—293.)



2. In a railroad crossing signal, a movable signal element mounted adjacent the crossing, vertically swinging depressible ramps associated with the railroad track and respectively disposed at opposite sides of the crossing adjacent to and remote from the latter, a drum mounted for rotation upon a vertical axis adjacent the free end of each ramp, operative connections between the free end of each ramp and the adjacent drum whereby said drum is caused to partially rotate in one direction upon depression of the ramp and in the other direction upon raising of said ramp, and operative connections between the drums and the signal elements including a flexible member having its ends anchored to and adapted to be wound upon said drums, said flexible member being elastic.

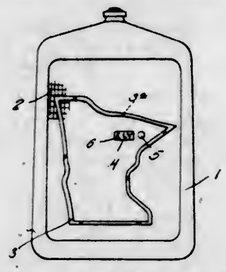
1,589,680. PROCESS OF SEPARATING SOLIDS OF DIFFERENT SIZE OR SPECIFIC GRAVITY. GEORGE B. BURNHAM, Reno, Nev., assignor to Burnham Chemical Company, Reno, Nev., a Corporation of Nevada. Filed Oct. 4, 1924. Serial No. 741,671. 11 Claims. (Cl. 23—41.)

5. The process of separating solids of different specific gravity or of different size, the solids being submerged in a large shallow body of liquid, which comprises moving an agitator through the liquid and around a selected



point therein whereby movement of the agitator agitates the liquid in its wake and causes currents in its wake directed toward the selected point.

1,589,681. HOME-LOCATION INDICATING MEANS FOR AUTOMOBILE RADIATORS. WILSON C. CARLSON and MERVIN W. PETERSON, Ely, Minn. Filed Mar. 2, 1926. Serial No. 91,730. 3 Claims. (Cl. 40—125.)

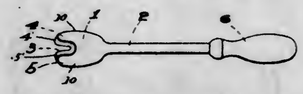


1. In combination, the radiator of an automobile, having a forward open work or honey comb portion, an open frame arranged against and secured in front of said open work or honey comb portion, said open frame simulating the outline of a particular State comprised in the United States, and an element secured within said open frame and relatively arranged to indicate the part of the State in which the home town of the motorists is located.

1,589,682. CATALYST FOR SYNTHESIS OF AMMONIA. IVAR WALFRID CEDERBERG, Lidingo-Brevik, near Stockholm, Sweden, and MIKAL FJELLANGER and VILHELM GRUNER, Skoien, Norway, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Filed Sept. 7, 1921, Serial No. 498,969, and in Norway Sept. 7, 1920. 2 Claims. (Cl. 23—237.)

1. Catalyst for the production of ammonia from nitrogen and hydrogen, comprising a precipitate resulting from complex iron cyanides and simple heavy metal salts, said precipitate being free from simple heavy metal salts and heated under pressure in an atmosphere free of oxygen.

1,589,683. OPENER FOR PAPER BOXES. WILLIAM T. CLINGER, Oil City, Pa. Filed Dec. 11, 1924. Serial No. 755,254. 1 Claim. (Cl. 81—3.)

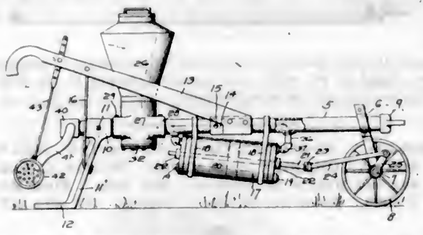


An opener for paper boxes comprising a metallic blade of deeply-notched, obcordate form, of double convexity in both its transverse and longitudinal dimensions, the forward and lateral portions of said blade being formed into cutting edges and the rearward portion thereof extended into a manipulating shank, for the purposes set forth.

1,589,684. SPRAYING MACHINE. THOMAS R. EVANS, Sr., Sumter, S. C. Filed Sept. 14, 1925. Serial No. 56,218. 8 Claims. (Cl. 43—147.)

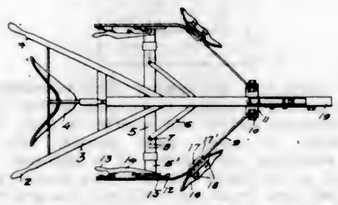
6. In a machine for spraying cotton plants or the like, comprising a tubular beam, a traction wheel supporting the beam, manually operated guide means con-

nected with the tubular beam, a cylinder carried by the tubular beam and having outlet means in communication with the interior of the tubular beam, a plunger in the



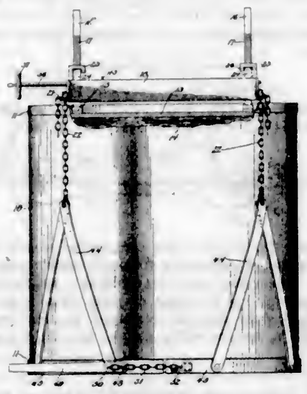
cylinder, driving means between the plunger and traction wheel, and a spray means having means of communication with the interior of the tubular beam.

1,589,685. HOE PLOW FOR POTATO PLANTING. TORGER O. GAALAAS, Nes, Hedmark, Norway. Filed May 2, 1925, Serial No. 27,579, and in Germany Feb. 20, 1925. 1 Claim. (Cl. 97—56.)



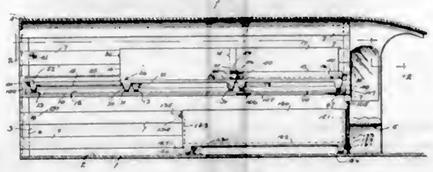
A plow comprising a plow rod, pivoted side bars on each side thereof, each side bar carrying a plow share, means to fix each side bar against pivotal movement comprising a vertical guide rigidly secured to the plow rod having grooves on the inner side thereof, each side bar being provided with a lever, one end of which carries a hook engageable with the grooves on the vertical guide.

1,589,686. PRESS. VIRGIL T. GRABS, King, N. C. Filed Dec. 7, 1925. Serial No. 73,731. 8 Claims. (Cl. 100—57.)



2. A device for pressing material in a hogshead or similar container, comprising a pair of opposed complementary clamping members shaped to conform to the bottom edge of the container and each having an internal flange with a sharpened edge, means for drawing said clamping members inwardly so as to force said sharpened edges underneath the edges of the container as the latter rests on the floor, and means adapted to be connected to said clamping members and operable to press material which has been placed in the container.

1,589,687. EQUIPMENT FOR TRUCK BODIES. ROBERT E. GREENE, Detroit, Mich. Filed Feb. 23, 1926. Serial No. 90,037. 13 Claims. (Cl. 214—65.)



1. In equipment for delivery means provided with walls, the combination of a track; a guard rail; a plurality of carrier members adapted to travel on said track; means cooperating with said guard rail to keep said members on said track; means to secure said members in predetermined positions relative to said walls; and means to secure one of said members to said track.

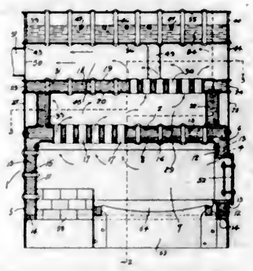
1,589,688. PHOTOGRAPHIC FILM. MAX HAGEDORN, Dessau-in-Anhalt, and WERNER GLADHORN, Dessau-Ziebigk, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed May 15, 1925, Serial No. 30,622, and in Germany Dec. 23, 1924. 7 Claims. (Cl. 88—19.5.)

1. Process of improving the slipping quality of films, which consists in embedding in the entire surface of a film opposite the photo-sensitive layer, in a state of fine subdivision a material having light-transmitting quality and the property of making the surface slippery.

1,589,689. BOILER. PHILLIP HEAY, Vancouver, British Columbia, Canada. Filed Jan. 5, 1922. Serial No. 527,188. 1 Claim. (Cl. 122—130.)

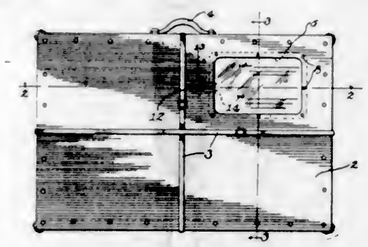
A boiler comprising a fire box, a shell enclosing the fire box and spaced therefrom so as to provide a shallow water chamber above and at the sides of the fire box, a second shell superposed on the first shell, a second flat shallow water chamber superposed on the second shell and composed of spaced plates, the lower of which cooperates with the shell to provide a lower combustion chamber between the first and second water chambers, a third shell superposed on the second water chamber, a third water chamber superposed on the third shell composed of spaced plates, the lower of which cooperates with the adjacent shell to provide an upper combustion chamber which is positioned between the second and third water chamber, a plurality of vertical stay tubes extending through the first water chamber from the fire box to the lower combustion chamber on the rear side of the transverse axis of the boiler, a plurality of vertical stay tubes extending through the second water chamber from the lower combustion chamber to the upper combustion chamber on the front side of the transverse axis of the boiler, stay bolts arranged through the remaining portions of the two water chambers and also

through all of the third water chamber, a tubular connection between the rear end of the first water chamber and the second water chamber, a tubular connection between the front ends of said first and second water



chambers, and a pair of tubular connections between the second and third water chambers arranged on opposite side of the longitudinal axis of the boiler a short distance in front of its transverse axis.

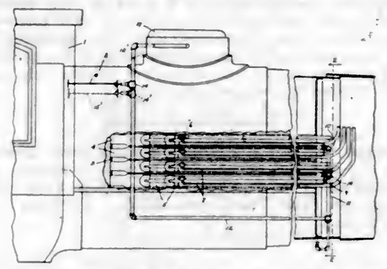
1,589,690. PARCEL-POST MAILING CASE. GEORGE HERKEN and HARVEY L. HERKEN, La Crosse, Wis. Filed Sept. 28, 1925. Serial No. 59,126. 2 Claims. (Cl. 40—17.)



1. In combination with a receptacle having a wall formed with a sight opening, a backing sheet disposed in covering relation to said sight opening and overlapping the inner face of said wall along the sides and one end of the sight opening, spacing strips between the inner face of said wall and the said overlapping portions of said backing sheet and together with the backing sheet forming a pocket open at one end, a fastener element carried by said receptacle in spaced relation to the open end of said pocket, an address card removably fitted into said pocket for display through said sight opening and of greater length than the backing sheet to provide an end portion projecting from the open end of the pocket, the extended end portion of said card being formed with an opening to receive said fastener, and a tab extending from said backing sheet at the open end of the pocket and releasably engaged with said fastener to retain said card in engagement with the fastener.

1,589,691. BOILER CLEANER. SAMUEL J. HERMAN, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 9, 1918. Serial No. 265,847. 7 Claims. (Cl. 122—391.)

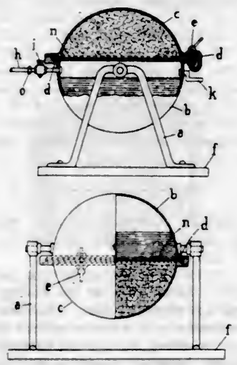
1. In a boiler structure, the combination with a plurality of flues extending longitudinally of a locomotive and steam superheating pipes respectively arranged in said flues, said superheating pipes having return bent portions located toward the draft inlets of the flues, of blower nozzles disposed within the respective flues and provided with jet openings discharging both forwardly and rearwardly for cleaning the flues and return-bent portions of said super-heating pipes, a main steam supply pipe for said nozzles, and branch steam pipes extending through said flues to the nozzles.



1,589,692. CHOKE-COIL AMPLIFICATION UNIT. EDWARD E. HILER, Bloomfield, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J., a Corporation of New Jersey. Filed Aug. 27, 1925. Serial No. 52,853. 10 Claims. (Cl. 250—16.)

1. A unitary device of the kind described, comprising an enclosing casing having external circuit connections, a pair of choke coils within said casing electrically interconnected between certain of said circuit connections, a laminate core substantially in the form of a figure 8, said choke coils being respectively mounted on the respective outer lateral members of said core so that the intermediate lateral member of said core lies between said coils, and a condenser element within said casing disposed intermediate said coils and electrically connected between certain of said circuit connections.

1,589,693. APPARATUS FOR THE PRODUCTION OF YOGHURT AND SIMILAR BACTERIAL CULTURES. HERBERT JAKOB HOF, Aschaffenburg, Germany, assignor of one-half to Jean Seipel, Kansas City, Mo. Filed Jan. 29, 1925. Serial No. 5,592. 1 Claim. (Cl. 167—7.)



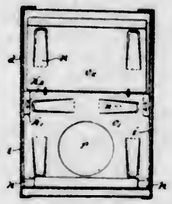
An apparatus for the production of yoghurt and similar bacterial cultures comprising in combination a cup-shaped vessel for the milk vaccinated with yoghurt bac-

teria, a hood filled with bran mounted on said cup-shaped vessel, a wire gauze closing the lower end of said hood, means for securely fixing said hood on said vessel, a vacuum pipe removably connected with said cup-shaped vessel, a steam pipe connected with said cup-shaped vessel for submitting the bran in the hood to the action of high pressure steam, and means for rotating said vessel 180° to pour the milk onto the bran.

1,589,694. COIN PACKAGE. GEORGE I. HOHL, Newport, R. I., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 10, 1925. Serial No. 42,709. 4 Claims. (Cl. 133—10.)

1. A tubular coin package comprising a blank wound into a plurality of convolutions, the inner convolution having a pointed extremity coincident with the upper edge of said convolutions which form the mouth of said package, said inner convolution having an indented slot in its upper edge spaced circumferentially rearward from said pointed extremity, and said pointed extremity being tucked through said slot to lie and be anchored between said inner and an outer convolution of said package.

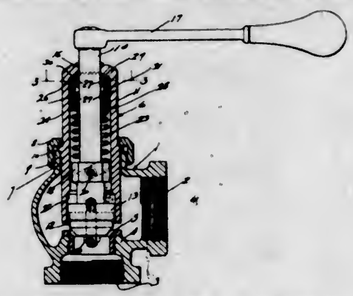
1,589,695. FILM PACK. WILHELM HOHMANN, Delitzsch, near Halle, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Nov. 3, 1923, Serial No. 672,634, and in Germany Jan. 13, 1923. 5 Claims. (Cl. 95—22.)



1. A film pack with tabs, consisting of an outer pasteboard casing and an inner sheet-metal case including two continuous lateral members and a central partition which divides the length of the pack space in two and together with the said continuous lateral members form an I-shaped cross-section, and at one end defines a change-over bridge, the partition for a part of its length being rigidly connected with the lateral members and at the end next the change over bridge being adapted to be displaced from its normal position.

1,589,696. VALVE. GUSTAV HOLTZ, San Francisco, Calif. Filed May 25, 1925. Serial No. 32,554. 5 Claims. (Cl. 251—132.)

4. A valve comprising a casing having intake and discharge openings, a valve seat in the casing, a valve arranged to co-operate with the seat, a tubular housing extended into the casing in the lower end of which housing said valve has a working fit, a stem extending from the valve through the housing, means associated with the housing and stem for lifting the stem and valve on movement of the stem in one direction, spring means for urging the stem and valve in the other direction to close the valve, a collar mounted on the stem and being urged upwardly by the spring means, non-compressible packing rings surrounding and in close engagement with the stem



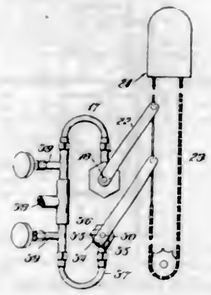
between the collar and outer end of the housing, which rings are spaced circumferentially from the housing and a compressible packing ring engaging with and between said rings.

1,589,697. RETRACTING DEVICE. IRVING V. HOWD, Syracuse, N. Y. Filed Dec. 21, 1922. Serial No. 608,239. 1 Claim. (Cl. 267—73.)

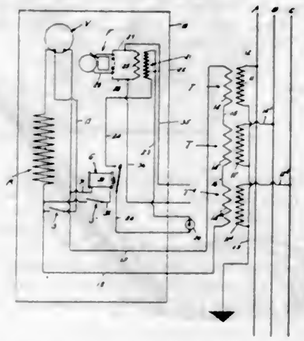
In combination with a main supporting frame and pedal lever of a garment pressing machine, retracting means for the pedal lever comprising a coil spring supported entirely by and between said frame and pedal lever and having its opposite end convolutions reduced in diameter, and coaxial with the axis of the spring, opposite end bolts extending through said end convolutions and provided with heads engaging the inner faces thereof, said bolts being coaxial with the axis of the spring and rotatable relatively thereto and clevises swiveled upon the outer ends of the bolts and provided with means for connection with the frame and pedal lever respectively, one of the clevises being provided with a plurality of apertures for receiving the connecting means and permitting it to be adjusted to different positions relatively to the part to which it is connected.

1,589,698. COMBUSTION OF HYDROCARBON OIL. RALEIGH O. HUMPHREY, Chicago, Ill., assignor to American Automatic Heating Company, a Corporation of Delaware. Filed May 15, 1922. Serial No. 560,878. 7 Claims. (Cl. 158—53.)

7. In a hydrocarbon burner, the combination with a main generator having a control valve for vaporized fuel delivered therefrom with means for advancing or retracting said valve at a relatively fast rate of speed upon rotation of the valve; of an auxiliary vaporizing generator having a control valve for vaporized fuel delivered therefrom and means for advancing and retracting said valve at a relatively slow rate upon rotation thereof; means for simultaneously actuating said control valves in the same direction and including a lost motion device for the auxiliary generator valve; a burner proper; and means for supplying said burner proper with vaporized fuel.



1,589,699. GROUND DETECTOR. LLOYD F. HUNT, Los Angeles, Calif. Filed Aug. 22, 1923. Serial No. 658,749. 3 Claims. (Cl. 175—183.)

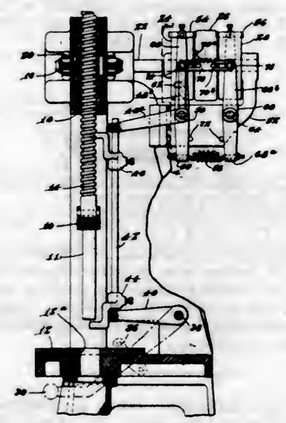


1. In a ground detector for a three-wire system, a voltage indicator, and means connecting the voltage indicator with the three wires, said means including three transformers having their primary windings connected in Y with the wires and their secondary windings connected in series and with the voltage indicator.

1,589,700. MANUFACTURE OF COLORED CELLULOSE PLASTICS AND SOLUTIONS THEREOF. CARL IMMERHEISER, Ludwigshafen-on-the-Rhine, CARL NEUBAUER, Mannheim, and ERWIN SCHARF, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Nov. 29, 1924, Serial No. 752,938, and in Germany June 26, 1924. 10 Claims. (Cl. 134—79.)

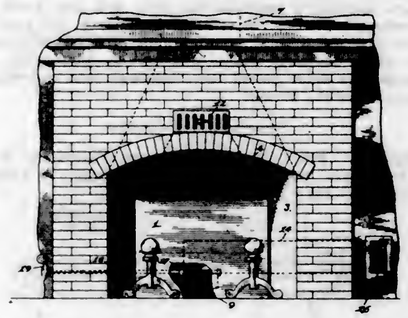
1. The process of manufacturing colored cellulose plastics which comprises incorporating in a cellulose ester plastic a coloring matter, so that the coloring matter is in a colloidal condition, and does not tend to settle out from a solution of the said plastic, even after considerable dilution said coloring matter being practically insoluble in a solvent to be applied to the plastic mass when coloring it or making it into a solution.

1,589,701. BELT-SHIFTING MECHANISM. MATTEO E. INFIORATI, Jr., Dayton, Ohio, assignor to The J. N. Lapointe Company, New London, Conn., a Corporation of Maine. Filed Sept. 12, 1922, Serial No. 587,677. Divided and this application filed Aug. 7, 1924. Serial No. 730,555. 3 Claims. (Cl. 64—4.)



1. A belt shifting mechanism for controlling the rotation of a drive shaft, comprising a pulley tight thereon and one loose thereon on each side of it, and apparatus for moving the belt of each loose pulley to the tight pulley; said apparatus comprising a pair of levers one for each belt, fulcrumed on separate axes and separately movable to shift said belts; a third lever, fulcrumed on the same axis with one of the belt shifting levers and having a lug arranged to engage and to move one of the belt-shifting levers toward the tight pulley when said third lever is swung in one direction, there being spring means holding the other belt-shifting lever against shifting, and for returning said belt shifting lever to its loose pulley position when said lug is withdrawn from engagement therewith.

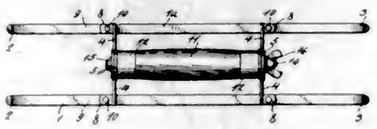
1,589,702. HEATING APPARATUS. RUDOLF A. ISENBERG, Monterey, Calif. Filed Aug. 31, 1925. Serial No. 53,561. 2 Claims. (Cl. 126—121.)



1. The combination with a fireplace of a heating element mounted in the back thereof; an air passage connected into the lower portion of the heating element and opening at a point outside a room containing the fireplace; a second air passage communicating with the first mentioned passage and opening at a point within the room; means for closing either of said passages and opening the other passage for admitting cool air into

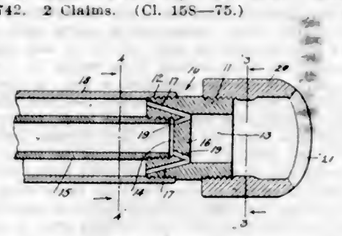
the heating element to be heated; and an outlet air passage connected into the top of the heating element and opening into the room for conducting heated air thereinto.

1,589,703. BRICK JOINTER. WILLIAM J. KELLY, Denver, Colo., assignor of one-half to Frank L. Hoenes, Denver, Colo. Filed Dec. 5, 1925. Serial No. 73,416. 2 Claims. (Cl. 72—138.)



1. A brick jointer, comprising, in combination, a handle, a pair of jointer bars, each bar having two brackets, means for pivotally connecting the free ends of the brackets to the handle and means for clamping said brackets to the handle so as to prevent relative rotation of the handle and bars.

1,589,704. OIL BURNER. JAMES A. KENWORTHY, Los Angeles, Calif. Filed Sept. 15, 1924. Serial No. 737,742. 2 Claims. (Cl. 158—75.)

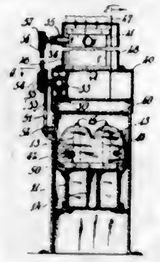


1. An oil burner, comprising a body portion provided with a mixing chamber at its discharge end and a pair of concentrically arranged pipes at its intake end, said body portion being provided with a group of passages adapted to open communication between one of said pipes and said mixing chamber, and a second group of passages adapted to communicate with said first group of passages and with the other of said pipes, the ends of said first and second named groups of passages joining at their discharge ends, whereby to thoroughly comingle the fluids before their injection into the mixing chamber of the burner.

1,589,705. PIN. CLIFFORD G. KING, Providence, R. I. Filed Nov. 10, 1925. Serial No. 68,139. 6 Claims. (Cl. 24—161.)

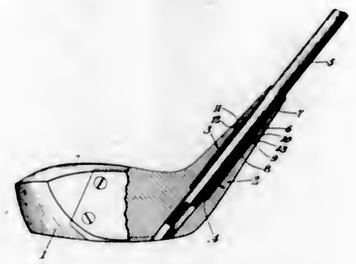
1. In a pin, a front plate having pin-point-retaining means at one end thereof, a pin-tongue of spring material bent upon itself and comprising an upper and a lower arm, and means for flexibly securing the bent portion of said pin-tongue to said front plate at the end thereof opposite said pin-point-retaining means, the free end of said lower arm being flexibly secured to said front plate.

1,589,706. STEAM HEATER. EREMY KIRIAK, Windsor, Ontario, Canada. Filed Apr. 13, 1923. Serial No. 631,872. 3 Claims. (Cl. 122—37.)



1. In a heater, a burner divided into two sections, a boiler divided into two sections, conduits leading from one section of the boiler to the other, regulating means for the burner sections, a member adapted for movement to bring the regulating means for the respective burner sections into or out of operative relation to one another, valve elements controlling the said conduits, and means whereby movement of said member operates the said valve elements.

1,589,707. GOLF-CLUB CONSTRUCTION. ARTHUR A. KRAEUTEL, South Orange, N. J., assignor to The Kroydon Company, Newark, N. J., a Corporation of New Jersey. Filed Nov. 5, 1925. Serial No. 66,895. 3 Claims. (Cl. 273—80.)

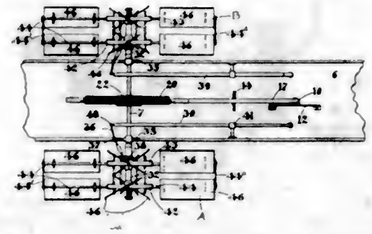


1. In combination with a golf club head having a neck or shank formed with an extended interiorly threaded socket, a shaft for said club head and a connecting means between said shaft and said club head including a sleeve or nipple fixedly attached to said shaft, said sleeve or nipple having an exteriorly threaded part of substantial length complementary to and fitting within said interiorly threaded socket in the shank or neck of the club head and also having an annular shoulder having a downwardly flaring rim or flange, the upper end of the neck or shank abutting against said shoulder and the rim or flange overhanging and embracing the extremity and the outside of the end part of the neck or shank of the club head.

1,589,708. PADDLE WHEEL FOR BOATS OR THE LIKE. PIERRE LAVIGNE, Winnipeg, Manitoba, Canada. Filed Apr. 18, 1925, Serial No. 24,164, and in Canada Apr. 19, 1924. 3 Claims. (Cl. 115—23.)

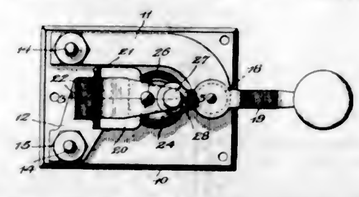
1. The combination with a boat hull, of a transverse drive shaft journaled thereon; propeller wheels mounted on the ends of said shaft, including pluralities of pairs of pivotally mounted propeller blades extending

radially from said shaft, the blades of each pair of propeller blades being arranged in angular relation; clutch mechanism for engaging said propeller wheels



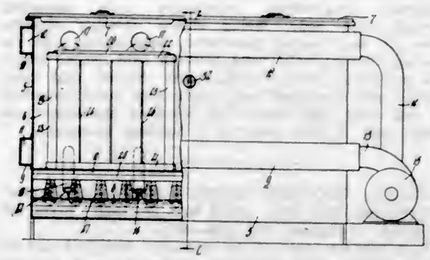
with said shaft for propelling purposes; oscillatable drive means; and inter-connecting gearing for rotating said drive shaft by said oscillatable drive means.

1,589,709. METHOD AND APPARATUS FOR MAKING AND BREAKING ELECTRICAL CIRCUITS. FRITZ LOWENSTEIN, New York, N. Y.; John C. Walt, administrator of said Fritz Lowenstein, deceased, assignor, by mesne assignments, to Radio Patents Corporation, a Domestic Corporation. Filed May 1, 1918. Serial No. 231,840. 5 Claims. (Cl. 178—101.)



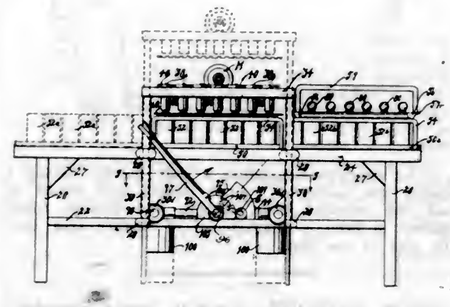
1. A transmitter key comprising the combination, with cooperating relatively movable make-and-brake contacts and appropriate operating means therefor, of resilient means tending to separate said contacts, fixed stop means restricting such separation to a maximum distance not substantially exceeding one one-hundredth of an inch, and adjustable stop means for varying the permissible separation between zero and the upper limit.

1,589,710. HUMIDOR FOR STEREOTYPE MATS. GEORGE G. MCCAFFERTY, Everett, Mass. Filed Apr. 1, 1924. Serial No. 703,571. 11 Claims. (Cl. 219—45.)



3. A humidor for stereotype mats comprising in combination, a casing provided with a chamber in the interior thereof, said casing having passageways formed therein communicating with said chamber, water located within said chamber, means to support stereotype mats within said chamber above said water, means to vaporize said water and means to cause a circulation of vapor within said chamber and passageways and between said mats.

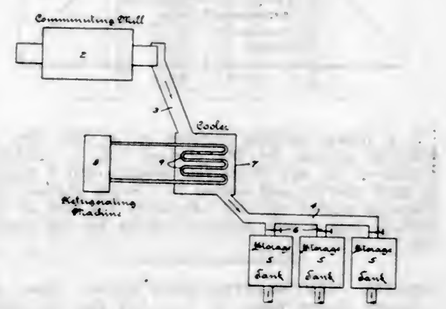
1,589,711. PAINTING MACHINERY. GABRIEL MARTINEZ, New York, N. Y., assignor, by mesne assignments, to Gabriel Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 11, 1923. Serial No. 662,060. 9 Claims. (Cl. 91—42.)



1. A golf ball painting machine comprising isolated paint cells each containing coating material, a rotatable gripper normally above each said cell and the material therein, a journalled reciprocable mounting for said grippers, means introducing and removing balls from said grippers, and operating mechanism, said mechanism reciprocating said mounting to dip said balls and rotating said grippers to spread the paint applied by the dipping operation aforesaid.

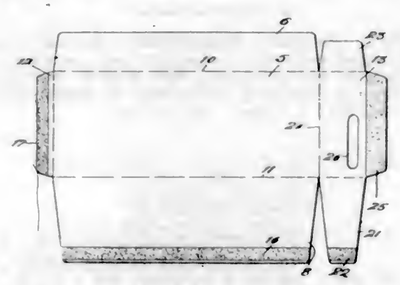
6. A process for painting a plurality of golf balls simultaneously comprising, dipping the balls to apply the paint, spreading the applied paint and maintaining the paint uniformly spread until it is set.

1,589,712. PROCESS OF TREATING SLURRY. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Jan. 30, 1925. Serial No. 5,800. 4 Claims. (Cl. 106—25.)



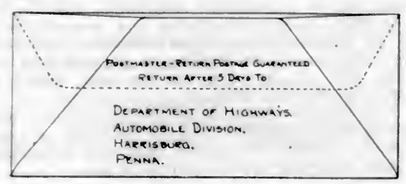
3. The process of treating slurry having the characteristic of absorbing water and of setting when permitted to cool naturally, which comprises, comminuting the solid slurry forming material in the presence of water to produce heated slurry, and subsequently effecting cooling of the slurry at a sufficiently rapid rate to prevent absorption of enough water to cause setting.

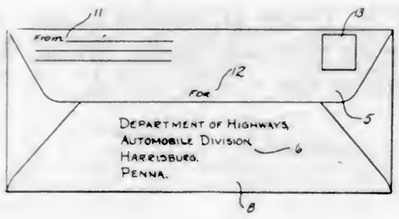
1,589,713. ENVELOPE. ELMER G. OVERLY, Greensburg, Pa. Filed Mar. 29, 1924. Serial No. 702,711. 13 Claims. (Cl. 229—72.)



1. An envelope comprising a body portion having a sealing flap having a window therein, and means on said flap provided with adhesive and foldable thereagainst to form a compartment of smaller area than the area of the flap.

1,589,714. ENVELOPE. ELMER G. OVERLY, Greensburg, Pa. Filed Apr. 21, 1925. Serial No. 24,726. 7 Claims. (Cl. 282—25.)

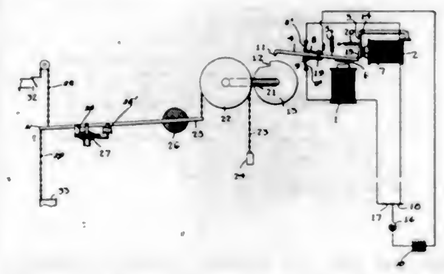




1. A return envelope provided on its face with a directing address for the original trip, an address printed on the back of the said envelope with a legend to show that the said address is a return address, and means to convert the said address on the back of the envelope into a new directing address for the return trip.

1,589,715. TEMPERATURE REGULATOR. PERCY R. OWENS, Mount Kisco, N. Y. Filed Jan. 15, 1921. Serial No. 437,625. 6 Claims. (Cl. 236—9.)

1. In a temperature regulator, the combination with a pivoted lever of a heating unit, connections therefrom to heat-controlling means for said unit, and means for raising and lowering said lever, responsive to pressure or temperature variations of the heating medium in said unit, of a thermostat at a desired point, and means controlled thereby for holding an end of said lever in raised position, only after the same has been raised by said preasure or temperature responsive means in case the temperature controlling said thermostat rises



beyond a predetermined point, and for releasing said lever when the temperature controlling said thermostat falls below the predetermined point.

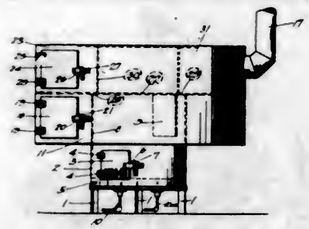
1,589,716. COMPOSITION STUDDING. CHARLES ALBERT PETERS, Downey, Calif., assignor to Peters Holding Company, a Corporation of California. Filed Apr. 5, 1924. Serial No. 704,383. 10 Claims. (Cl. 72—115.)

1. A composition studding comprising a body of plastic material, longitudinal reinforcing rods extending through said body, facing sheets covering opposite sides of said body, transverse reinforcing rods extending through said body between said facing sheets and projecting from opposite sides thereof, said longitudinal and transverse reinforcing rods being embedded in said body, and means for securing the lower and upper ends of said body to a building structure.

1,589,717. BROODER STOVE. JOSEPH R. PHELAN, Oklahoma City, Okla. Filed Mar. 30, 1926. Serial No. 98,456. 4 Claims. (Cl. 126—85.)

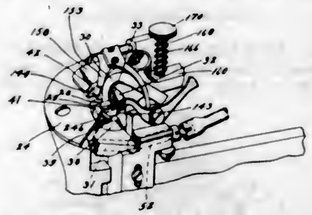
1. A brooder stove of the character described and for the purposes stated, comprising a fire pot with an outer door and a draft control therein, an opening in its upper part, a second smaller heating drum thereover, a third, and larger double and divided heating drum surrounding a portion of said fire pot and all of said second heating drum, an outer door in the lower and upper sections there-

of, an upright closed heat baffle in the lower section, an opening in the partition between the said lower and upper sections; an upright closed heat baffle in the upper



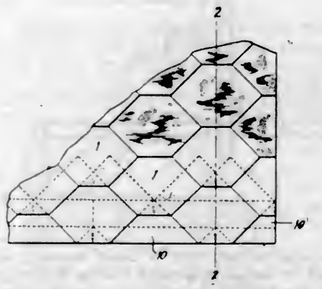
section, a flue, and an opening in the upper periphery of the said upper section entering same; all substantially as described.

1,589,718. FOLDING MACHINE AND METHOD. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor to Beacon Folding Machine Company, Lynn, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1922. Serial No. 598,716. 44 Claims. (Cl. 12—55.)



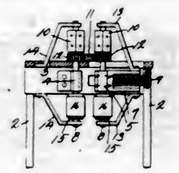
1. The method of folding a strip around the edge of a sheet of material to one face of which, along the said edge, an edge of the strip is secured so that the sheet and the strip extend from the secured-together edges at an angle to each other, the said method comprising moving successive portions of the strip across the secured-together edges, folding successive portions of the strip around the secured-together edges, bending up successive portions of the said edge of the sheet, and pressing successive portions of the strip against the other face of the sheet.

1,589,719. SHINGLE. GEORGE RITTER, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Oct. 26, 1923. Serial No. 670,811. 6 Claims. (Cl. 108—8.)



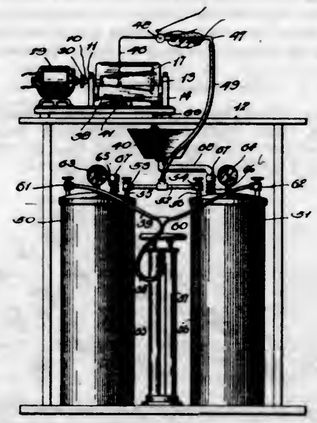
1. A point-down shingle having a vertically disposed key-hole slot in the lower angular point, said angular point being retroverted and in part adhered to the body portion of the shingle.

1,589,720. PLANING MACHINE. JOHN H. SCHEIBELER, Nebraska City, Nebr. Filed June 29, 1923. Serial No. 648,628. 1 Claim. (Cl. 144—90.)



A planing machine comprising a table, a vertically disposed fixed shaft rotatably mounted in the bearing of said table, a vertically disposed movable shaft extending through a slot in the table and in parallel relation to the first mentioned shaft, cutter heads carried by the shafts above the table, a transversely disposed bar beneath the table and having a crosshead guide therein, a crosshead block slidably mounted in the guide, and in a bearing of which the movable shaft is rotatably mounted, a coiled spring disposed within the crosshead and forming means for forcing the same towards the first mentioned shaft, driving connections carried by the lower ends of the shafts, brace arms connecting the ends of the movable shaft and the crosshead, one of which brace arms extends through the slot in the table.

1,589,721. APPARATUS FOR CLEANING ARTICLES. CHARLES H. SCHWANER, Scottsbluff, Nebr. Filed Mar. 21, 1922. Serial No. 545,584. 5 Claims. (Cl. 141—1.)

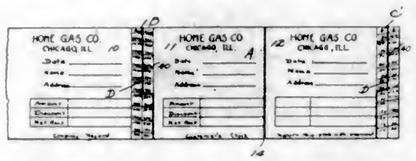


1. An apparatus for cleaning comprising a rotor consisting of converging jaws hinged for relative movement, means to vary the angle of convergence of the jaws to clamp an article between said jaws, means to manually rotate said rotor, means to mechanically drive said rotor at a high rate of speed, and a closure for the rotor providing means for the introduction of a nozzle for discharging cleansing fluid upon the article.

1,589,722. PLURAL-RECORD DEVICE. JOHN F. SHOEMAKER, Chicago, Ill., assignor to Protectu Bank-Note Corporation, Chicago, Ill. Filed Sept. 6, 1923. Serial No. 661,236. 2 Claims. (Cl. 283—60.)

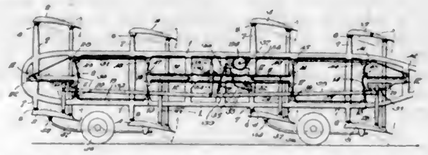
1. In a device of the class described, a sheet comprising three portions, two of said portions having adjacent their line of connection a column of duplicate sets of characters, the third portion having on its re-

verse face at its free end a corresponding column of characters, whereby when the third portion is folded over the intermediate portion the characters thereon may be superposed on the first described column of characters



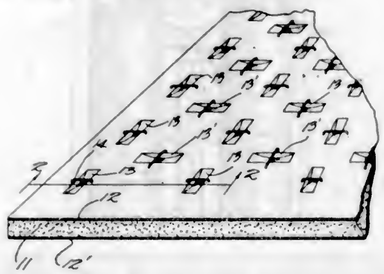
and the sheet may be severed on lines between the duplicate characters of the first described column and between the duplicate characters of the second described column at one operation.

1,589,723. FLYING MACHINE. FRANK E. SKROBACK, Syracuse, N. Y. Filed May 8, 1925. Serial No. 28,775. 11 Claims. (Cl. 244—12.)



1. In combination in a flying machine, a frame, front and rear and intermediate planes arranged in tandem, each plane being pivoted to the frame to tilt about an axis lengthwise of the leading edge of the plane, equalizing means between the planes to counteractingly tilt them on their axes, such equalizing means including self-adjusting equalizing connections with the intermediate plane.

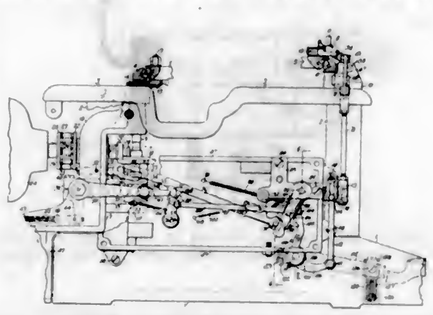
1,589,724. PLASTER BOARD. JOSEPH STRAND, Los Angeles, Calif., assignor to Klinch Lath Corporation, a Corporation of California. Filed June 25, 1924. Serial No. 722,266. 5 Claims. (Cl. 72—124.)



1. A plaster board comprising: a slab of plastic material having key slots formed in the face thereof, said slots having side walls substantially perpendicular to said face; and individual metallic fastening devices extending across said slots.

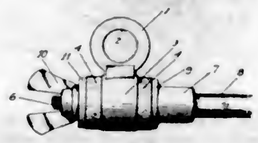
1,589,725. TYPEWRITING AND LIKE MACHINE. ROBERT H. STROTHER, Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 9, 1925. Serial No. 7,937. 12 Claims. (Cl. 197—65.)

1. In a typewriting machine, the combination with a carriage, of carriage return mechanism comprising power operated means for returning the carriage, a device normally occupying an intermediate position and moved one way from such position by the carriage at the end of its travel in letter feed direction and moved in the opposite direction from normal position by said carriage at the end of its return travel, means operated by the first said



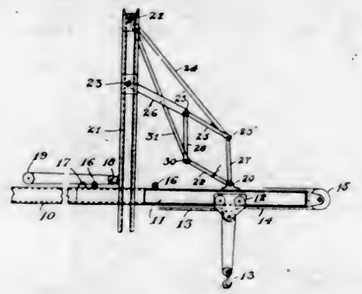
motion of said device for bringing the power mechanism into operation to return the carriage, and means operated by the second said motion of said device to put the power mechanism out of operation.

1,589,726. STORAGE-BATTERY TERMINAL. ROBERT B. TESSMAN, Sacramento, Calif. Filed May 9, 1924. Serial No. 712,153. 5 Claims. (Cl. 173—259.)



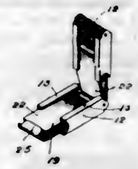
1. A battery terminal device including a metal sleeve adapted to be connected to a battery post, carbon bushing means in said sleeve, and a metal stem adapted for connection to a cable, inserted in the bushing means and contacting therewith.

1,589,727. SUSPENSION DEVICE. WARREN TRAVELL, New York, N. Y. Filed Mar. 24, 1921. Serial No. 455,022. 9 Claims. (Cl. 212—74.)



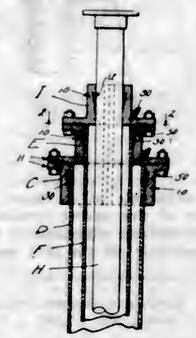
1. The combination, with a beam movably supported at one end, of linkage depending from a fixed support and having a point which is restrained by the linkage from motion except in a straight line passing below said support; the other end of the beam being supported by said linkage at said point; and means other than said linkage to move the beam to and fro in the direction of its length.

1,589,728. BRACELET. HARRY WACHENHEIMER, Providence, R. I. Filed July 1, 1925. Serial No. 40,903. 5 Claims. (Cl. 59—79.)



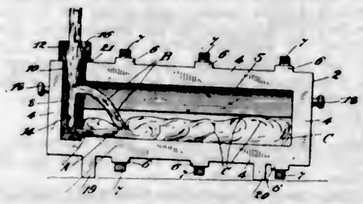
1. A bracelet structure comprising a series of extendible links, each having a guide member formed of sheet stock and folded to provide a broad top wall and side walls, and a connector member slidable in said guide member and having a correspondingly broad top wall with a hook at one end by which it engages a portion carried by the guide member of the next adjacent link, said hook being manually detachable therefrom.

1,589,729. PIPE FITTING. HENRY A. WEILER, Moneta, Calif., assignor of one-half to Peter Hammer, Bellflower, Calif. Filed Sept. 18, 1924. Serial No. 738,396. 6 Claims. (Cl. 285—22.)



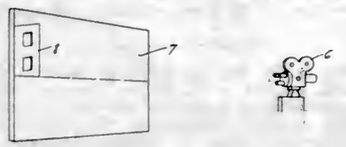
3. A fitting of the character described including, two sections, a flange connection between the sections, the sections forming an open ended cylindrical body and a conecting flange at one end of the body, there being two spaced grooves extending around in the inner wall of the body, grooves in the joining faces of the sections, and grooves in the face of the connecting flange, packing carried by the grooves, a tapered recess formed in the inner wall of the body between the grooves in the inner wall, and a plurality of slips slidably carried in the recess.

1,589,730. METHOD AND APPARATUS FOR CASTING STEEL INGOTS. EDWARD H. WILLIAMS, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Jan. 24, 1921. Serial No. 439,357. 31 Claims. (Cl. 22—216.)



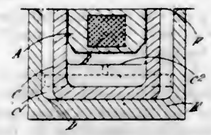
1. The method of manufacturing ingots from dead melted steel in a horizontal covered mold matrix, comprising positioning a preheated wall adjacent one end of the mold matrix and introducing molten steel into the mold matrix through an opening in the hot wall and in sufficient volume to quickly fill the matrix before the hot wall is cooled to an appreciable extent.

1,589,731. METHOD OF MOTION-PICTURE COMPOSITION. FRANK D. WILLIAMS, Los Angeles, Calif. Filed Mar. 8, 1924, Serial No. 697,739. Renewed Nov. 9, 1925. 4 Claims. (Cl. 285—22.)



3. The herein described method of making pictures consisting of making a positive of a real component portion of a selected scene having only part of the desired background, projecting said positive through a lens upon a screen, completing the projected picture by drawing on said screen an artificial supplemental portion of the background to register and blend with the projected real component portion, photographing said artificial supplemental portion, making a positive therefrom with the area of the real component portion opaque, making a positive of the real component portion with the area of the artificial supplemental portion opaque, and making a negative from said positives on a single film by first printing one positive and then printing the other positive thereon.

1,589,732. CONVEYER FOR CARRYING FIBROUS MATERIAL. SIDNEY ALLANGHAM, London, and MAURICE SOENENS, Bury St. Edmunds, England, assignors to Robert Boby Limited, Bury St. Edmunds, England, a British Company. Filed Feb. 26, 1926, Serial No. 90,777, and in Great Britain Oct. 8, 1924. 2 Claims. (Cl. 198—162.)



1. A machine for the purpose specified comprising a conveyer for carrying fibrous materials in a straight line while being subjected to the actions of operative devices of the machine, said conveyer consisting of a series of channel shaped members associated so that their walls form a composite channel, the members being adapted to be moved bodily in a direction longitudinally of the channel, and a resilient member having substantially parallel portions on its side walls for engagement with respective side walls of the channel members moving in a continuous path and adapted to be pressed into the channel for securing the fibrous material therein, said resilient member being securely held in the channel by its contact with the side walls of the channel members due to its resiliency and being arranged to travel with the channel shaped members throughout a portion of their travel and thereafter to be withdrawn from the channel shaped members for movement through its continuous path of travel.

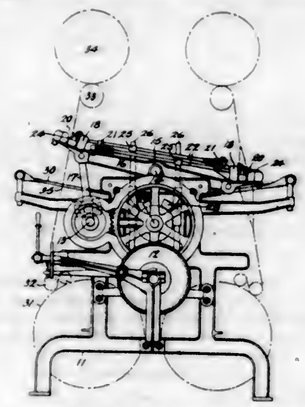
1,589,733. WINDOW-SASH CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 11, 1925. Serial No. 55,765. 10 Claims. (Cl. 189—76.)

1. A window sash comprising stiles formed of sheet metal, each stile being U shaped in cross section with the intermediate part of the U shaped formation formed with

a re-entrant groove for receiving the margin of the glass pane, the stile being open at its outer edge, inserts arranged in the stile, the opposite walls of the stile extend-

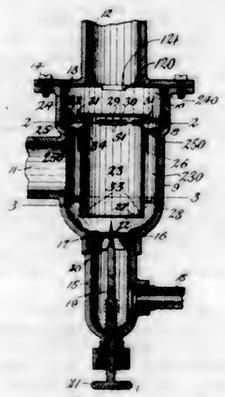
ing beyond the outer faces of the inserts and a window guide extending between the opposite walls of each stile, the outer faces of the inserts sliding on the edge face of the guide.

1,589,734. LOOM. WILLIAM H. BAKER, Montreal, Quebec, Canada, assignor to F. Wilson Fairman, Montreal, Canada. Original application filed Dec. 17, 1921, Serial No. 523,140. Divided and this application filed Jan. 15, 1923. Serial No. 612,810. 31 Claims. (Cl. 139—18.)



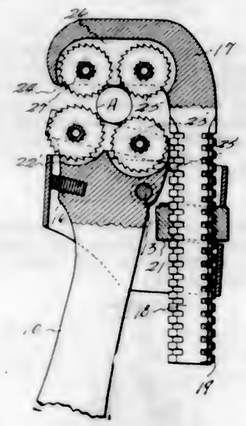
3. In a loom, a pair of lays disposed side by side, rigid connection between said lays, and means to move the lays oppositely to one another.

1,589,735. MIXER. FREDERICK A. BAYNES, Gloucester, N. J., assignor to Fabreter Corporation of America, Wilmington, Del., a Corporation of Delaware. Filed Apr. 5, 1919. Serial No. 287,770. 2 Claims. (Cl. 48—180.)



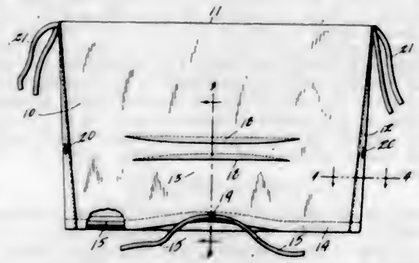
1. A mixer comprising a conduit for combustible gaseous elements having a reduced mixing chamber, an enlarged spreading chamber which communicates with said mixing chamber, and a spreader arranged in the conduit between the mixing and spreading chambers thereof and operating to spread the stream of gaseous elements as the same passes from the mixing chamber into the spreading chamber, the inlet end of said mixing chamber being provided with an inwardly projecting nange.

1,589,736. WRENCH. IVAN C. BELL, Dallas, Tex. Filed June 20, 1924. Serial No. 721,371. 6 Claims. (Cl. 81—186.)



1. In a wrench, the combination of an upper jaw, a pair of spaced dies having circumferential teeth and being circumferentially adjustable in the upper jaw, a lower jaw, a second pair of dies having circumferential teeth and being circumferentially adjustable in the lower jaw, and means for fastening all the dies against rotation.

1,589,737. CAP. BENJAMIN BENNO, Dallas, Tex. Filed Mar. 21, 1925. Serial No. 17,361. 2 Claims. (Cl. 2—198.)



1. A cap of the character described comprising parallel front and rear panels united to lie in contact with each other when not in use and forming a crown of substantially angular outline with foldable corners at the sides thereof, and means for fastening said corners when folded downward upon the body of the cap when in use.

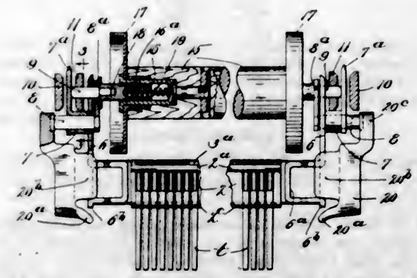
1,589,738. SOLDERING IRON. FRED BERNHARD, New York, N. Y. Filed June 13, 1925. Serial No. 36,954. 1 Claim. (Cl. 219—27.)

In an electrical soldering-iron including a hollow head having a comparatively long bore in the direction of its longitudinal axis, a needle valve including a needle controlling said bore, a cap removably attached to said

head and having a solder chamber formed therein, an articulated operating rod for said needle, to facilitate its solder control, a nipple on said cap for supplying solder to said chamber, formed with a slot, a circular

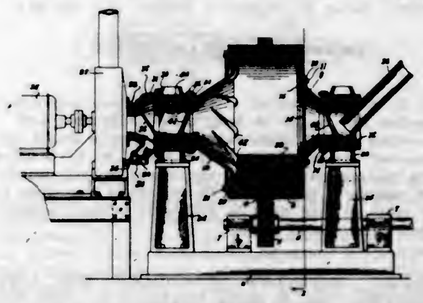
cover for said nipple sliding in the slot thereof, an operating finger on said cover, a hollow cylindrical mica body within said head, a resistance coil wound about said body, and means for connecting said coil with a source of electricity.

1,589,739. TUBE FRAME FOR TUFT WEAVING. WALTER BIXBY, Boston, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1925. Serial No. 73,033. 12 Claims. (Cl. 139—10.)



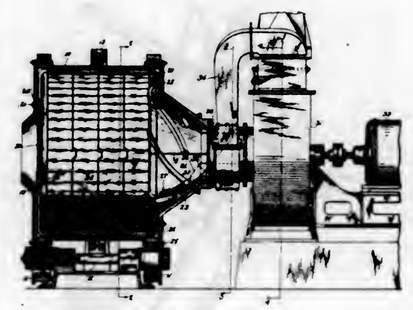
1. Suspension means for tube-frames embracing in combination with a carrier-chain having links provided with lateral openings, a suspension bracket rigidly secured to the end of the tube-frame, and a yielding latch mounted on said bracket in position to penetrate the lateral opening in the opposite link, said latch being provided with a retracting member projecting beneath the chain in position to be engaged and forced inward by the transfer means to release the tube frame from the chain.

1,589,740. PULVERIZING MILL. LOUIS C. BONNOT, Louisville, and WILLIAM M. BARKER, Canton, Ohio, assignors to The Bonnot Compny, Canton, Ohio, a Corporation of Ohio. Filed July 30, 1925. Serial No. 47,039. 5 Claims. (Cl. 83—9.)



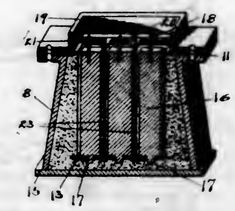
1. A pulverizing mill including a rotary drum with grinding balls therein, an exhaust fan communicating directly with the drum and means for positively preventing grinding balls from entering the fan.

1,589,741. PULVERIZING MILL. LOUIS C. BONNOT, Louisville, and WILLIAM M. BARKER, Canton, Ohio, assignors to The Bonnot Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 4, 1925. Serial No. 66,855. 9 Claims. (Cl. 83—9.)



1. A material pulverizing mill including a rotary drum with grinding media therein, a feed opening in one end of the drum and an axial discharge cone flared inward forming an outlet opening extending from the other end of the drum, the mouth formed by the larger end of the cone being substantially unobstructed, means impelling a current of air through the drum from the inlet to the outlet thereof, and peripheral means repelling the entrance of grinding media and coarse material into the mouth of the discharge cone.

1,589,742. MOLD. JOHN F. CASEY, Portland, Oreg. Filed July 29, 1925. Serial No. 46,903. 8 Claims. (Cl. 25—121.)

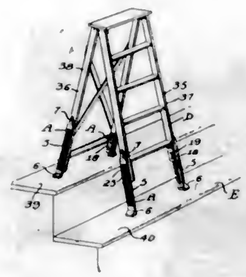


1. In a mold: a plurality of cores; core prints upon said cores; and a plate provided with orifices to receive said core prints, and adapted to be imbedded within the mold.

1,589,743. ADJUSTABLE AND REVERSIBLE LADDER FOOT. HUBERT L. CLARY, Weldon, N. C. Filed Jan. 18, 1922. Serial No. 530,192. 2 Claims. (Cl. 228—63.)

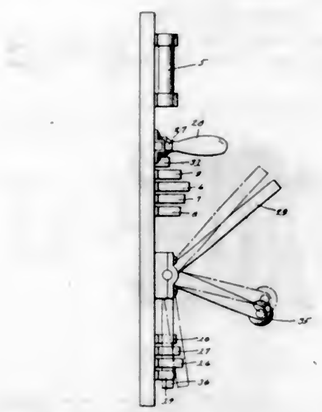
2. The combination with a ladder including a leg, of an adjustable and reversible foot for the ladder comprising a body, surface engaging members having different characteristics carried by the opposite ends of the body, the body having one face thereof provided with a longitudinally extending recessed portion, a longitudinal slot disposed intermediate the side walls of the recessed portion, inverted V shaped teeth formed on the bottom of the recessed portion on opposite sides of the slot, the ridges of said teeth being disposed flush with one face

of the body, a bolt carried by the leg of the ladder and extending through said slot, an adjustable plate slidably mounted upon the bolt having teeth formed thereon for



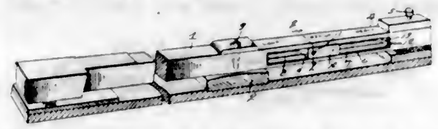
engagement with the teeth formed on the inner wall of the recess, and a nut threaded on the bolt for engagement with said plate.

1,589,744. SWITCH. HENRY COHIC, Cleveland, Ohio. Filed Feb. 24, 1922. Serial No. 538,958. 1 Claim. (Cl. 200—15.)



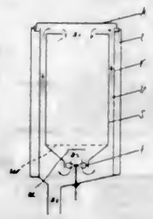
A switch comprising a base, two sets of contacts mounted on said base, the contacts in each set being of three different lengths, a common hinge axis mounted on the base between the two sets of contacts, a plurality of arms mounted on said axis in one plane, a plurality of arms mounted on said axis in another plane, the angle between said planes being more than 90° and less than 180°, and a bar having high and low levels thereon slidable transversely of one set of contacts, the lower of said levels permitting engagement of the arms in one plane with contacts of two different lengths and the high levels permitting engagement with only contacts of the same length, and the throw of the switch permitting engagement of the arms with other contacts of the same length.

1,589,745. PIANO KEY. BERTE FEDERLE, Kearney, Nebr. Filed Apr. 30, 1924. Serial No. 710,042. 4 Claims. (Cl. 84—433.)



1. The combination with a rockable piano key, of a touch adjusting weight carried thereby, said weight being frictionally held and slidably mounted in a chamber of the key and oppositely disposed ribs carried by the key in the chamber and engaging grooves in the weight.

1,589,746. RETORT. SIGURD FORSSÉN, Jyvaskyla, Kuikka, Finland. Filed Nov. 25, 1924, Serial No. 752,165, and in Suomi-Finland Dec. 21, 1923. 2 Claims. (Cl. 202—3.)



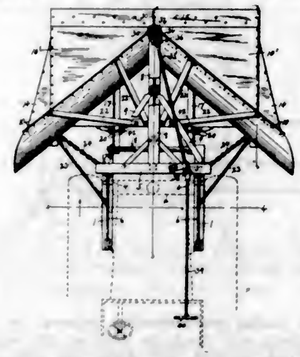
1. A retort comprising an outer casing, an inner vessel in which the material to be treated is adapted to be placed, said vessel being mounted concentrically within, and having its side walls spaced from, the inner walls of said retort to provide an annular passage, said vessel having a frusto-conical bottom with an aperture at the center thereof, and having its top provided with an aperture in axial alignment with the bottom aperture, a cover mounted on said retort and spaced from the top of said vessel, and the bottom of said receptacle being spaced from the bottom of said retort, the spaces at the bottom and top of said vessel being in free communication with said annular passage, and a draft inducing device located in the aperture at the bottom of said receptacle to cause the air heated in said annular passage to be circulated through the interior of said vessel.

1,589,747. CHAIN. WILLIAM FORSTNER, Irvington, N. J., assignor to Forstner Chain Corporation, Irvington, N. J., a Corporation of New Jersey. Filed Apr. 16, 1925. Serial No. 23,698. 2 Claims. (Cl. 59—80.)

1. A chain constructed of a series of loop-links linked together free to lie in longitudinal alignment, and a decoration for the chain formed of separate spaced disconnected elongated links each folded in to U-shape with its arms lying parallel and spaced to just straddle and embrace a plurality of the connected loop links of the chain to hold them in alignment forming separate connected groups of links.

1,589,748. SNOWPLOW ATTACHMENT FOR AUTO TRUCKS. CARL H. FRINK, Clayton, N. Y. Filed Feb. 12, 1925. Serial No. 8,771. 8 Claims. (Cl. 37—44.)

1. A snow plow attachment for motor trucks comprising a main frame having means for rigidly securing it to the chassis of a truck, a supplemental plow-supporting frame movable vertically relatively to the main frame, drive bars pivotally connected to the main frame and to the supplemental frame, means on the supplemental frame adjustable to different positions vertically for engaging the upper edges of the bars between said

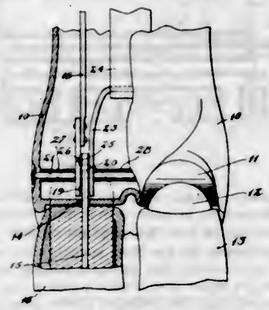


pivotal connections for holding the supplemental frame at different angles relatively to said bars, and means for raising and lowering the supplemental frame about the axis of the pivotal connection between the drive bars and main frame.

1,589,749. GAS PURIFICATION. WALTER H. FULWEILER, Wallingford, Pa., assignor to The U. S. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 27, 1925. Serial No. 11,980. 1 Claim. (Cl. 23—225.)

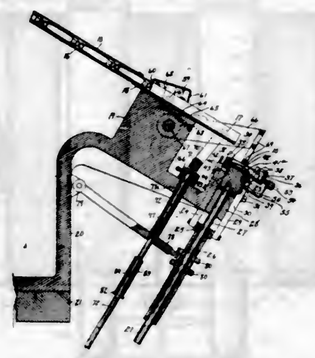
In the purification of gas by scrubbing it with a weak alkaline solution the process of actifying the foul solution containing alkaline sulphydrate which consists in releasing sulphur as such from the alkaline sulphydrate by the action of air and foaming on the sulphur by regulating the air and maintaining the concentration of the thiosulphate in the solution above twenty grams per litre.

1,589,750. SWIVEL JOINT FOR WALKING DOLLS. OTTO GANS, Waltershausen, Germany. Filed May 27, 1924. Serial No. 716,142. 2 Claims. (Cl. 46—40.)



1. In a walking-doll having movable limbs, the combination of its walking mechanism with a swivel-joint comprising an operating rod adapted to be attached to the mechanism for imparting to the doll's limbs a walking motion, a plate at the lower end of said rod provided with spaced sockets, a bar attached to the doll's limbs, a plate on said bar, pins or studs on said last named plate adapted to snap into the sockets in said first named plate, a curved leaf spring for holding said studs in frictional engagement within said sockets, a shaft extending through said plates and spring, and means for limiting the outward movements of said plates and spring.

1,589,751. MACHINE FOR CARDING SAFETY PINS, ETC. HENRY M. GLEASON, San Francisco, Calif., assignor to Chase Companies Inc., Waterbury, Conn., a Corporation. Filed Oct. 8, 1924. Serial No. 742,363. 33 Claims. (Cl. 163—8.)



1. In a machine for carding safety pins, pin feeding mechanism, a pin carrier unit to which pins are supplied in predetermined systematic arrangement by the said machine, a carding unit upon which slotted cards are placed, and means for bodily moving one of the said units with respect to the other for the insertion of portions of the pins into slots in the card.

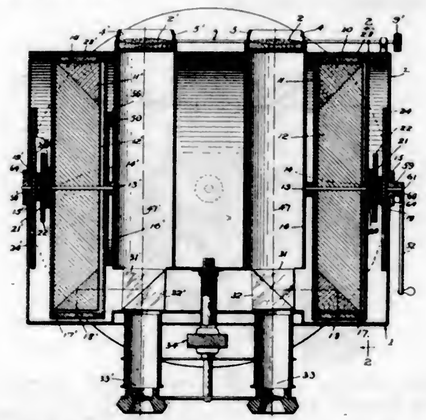
1,589,752. VANITY CASE. WALTER A. GOERTZ, East Orange, N. J., assignor to August Goertz & Co., Inc., a Corporation of New Jersey. Filed May 21, 1925. Serial No. 31,789. 2 Claims. (Cl. 132—83.)

1. In a vanity case having a main body provided with an upstanding peripheral wall to form a compact receiving compartment, an inwardly directed stop means connected with said wall and spaced above the floor of said main body, and a resilient retaining means in the form of a tongue struck out of the free marginal portion of said wall at a point opposing the position of said stop means, said tongue being inwardly and downwardly turned to provide a free end portion to engage one side of a compact and by its exerted tension hold the latter with its opposite side thrust and engaged beneath said stop means.

1,589,753. TRAVELER FOR TEXTILE RINGS. SAMUEL SEAVEY GORDON, Providence, R. I. Filed July 23, 1925. Serial No. 45,533. 7 Claims. (Cl. 118—61.)

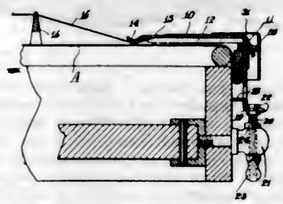
1. In a traveler a lower shoe element comprising a ball and a ball-embracing portion, and a traveler hook connected with the shoe.

1,589,754. PHOTOGRAPHIC AND PROJECTING INSTRUMENT. GRAVES GRIFFITH, San Francisco, Calif. Filed Mar. 22, 1924. Serial No. 701,050. 12 Claims. (Cl. 88—16.4.)



1. In an instrument of the character described, an objective, a revolnble annularly arranged series of similar reflective units, a reflective element so disposed as to receive beams of light as directed by said objective and reflect them to successive reflective units of said revoluble reflective series, a film, a transparent film-feeding drum encircling said series of reflective units, and means for imparting an equal angular velocity, in a common direction and about a common axis of rotation, to said film and to said beams of light as reflected by said annularly arranged series of reflective units.

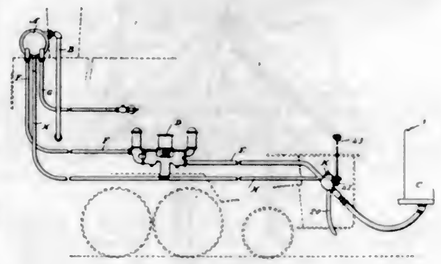
1,589,755. TAILPIECE FOR STRINGED MUSICAL INSTRUMENTS. ALBERT D. GROVER, Long Island City, N. Y. Filed Dec. 14, 1921, Serial No. 522,205. Renewed May 5, 1926. 8 Claims. (Cl. 84—300.)



1. In a tail piece for musical stringed instruments, the combination of a head plate, a rim plate integral therewith and having a slotted end portion disposed at an angle to the rim plate, and an adjustable member comprising a screw having a grooved head portion, the lateral walls of which engage above and below the walls of the slot in the end portion.

1,589,756. LOCOMOTIVE-FEED-WATER-HEATING SYSTEM. MALCOLM HARD, Flushing, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 19, 1924. Serial No. 732,907. 6 Claims. (Cl. 122—434.)

1. In a locomotive feed water heating system, a feed water heater, means for supplying steam to said heater, a drain line for withdrawing condensate from said heater, a source of feed water, a pump and feed line for conducting feed water from said source to said heater, a discharge line, a three-way fitting connecting said drain line with said discharge line and with said feed line between the source of feed water and the pump valve means in said fitting for selectively establishing a communication between said drain line and said discharge

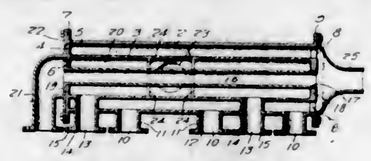


line while closing communication between the feed line and the drain and discharge line, or for establishing communication between said drain line and said feed line while preventing communication between said discharge line and said feed and drain lines.

1,589,757. ACCELERATOR FOR RUBBER VULCANIZATION. ALBERT F. HARDMAN, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,389. 14 Claims. (Cl. 18—53.)

7. The method of producing a master batch of accelerator for rubber vulcanization comprising; mixing thiocarbanilide with an excess of a metallic oxide and a carrier, exposing the batch to ammonia under pressure until a reaction occurs producing diphenylguanidine.

1,589,758. COMBINED INTAKE AND EXHAUST MANIFOLD. THEODORE B. HOGG, Dayton, Ohio. Filed Feb. 15, 1924. Serial No. 693,082. 3 Claims. (Cl. 257—241.)

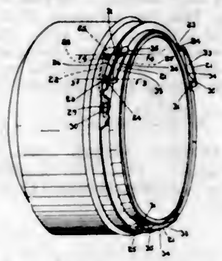


1. A compound intake and exhaust manifold construction being formed to provide a fuel mixture space having a fuel mixture inlet and fuel mixture outlets, an exhaust gas space exteriorly of the fuel space and closed against the latter, an exhaust gas space arranged interiorly of the fuel mixture space and closed against the latter, and means for admitting the exhaust gases directly from the engine into each of said exhaust gas spaces independently.

1,589,759. LAMP CLOSURE FASTENING. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio, a Corporation of Ohio. Filed July 17, 1923. Serial No. 652,058. 3 Claims. (Cl. 240—41.)

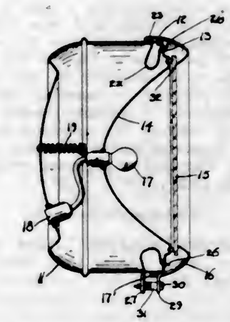
1. A lamp closure fastener comprising a keeper mounted on the body of a lamp and having an inclined pin engaging surface terminating in a pin retaining notch, legs extending from the ends of the keeper and supporting

it in front of the body, one of said legs pivoting the keeper at one end, the other of said legs being movably mounted for reciprocation within the body, a spring secured to



the body at one end and yieldingly engaging the movably mounted leg of the keeper, and a pin on the closure adapted for engagement with the keeper.

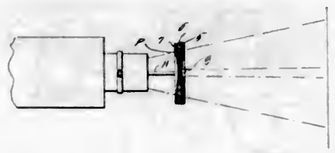
1,589,760. AUTOMOBILE LAMP CLOSURE FASTENER. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 21, 1924. Serial No. 745,021. 3 Claims. (Cl. 240—41.)



1. A closure fastener for automobile lamps consisting of a body, a reflector located in the body, and a closure for the body and reflector, comprising two yielding elements located at substantially diametrically opposite sides of the lamp, each of said elements being located within the lamp body and having its ends occupying body slots, one end of each element occupying a slot located at the edge of the reflector flange and adapted to engage the reflector flange yieldingly, whereby the reflector will be retained in position relatively to the body, the other end of one element occupying a slot located adjacent to the rear edge of the closure and adapted to engage the rear edge of the closure, the other end of the cooperating element occupying a slot adjacent to the rear edge of the closure, and means adapted detachably to attach the closure to said end.

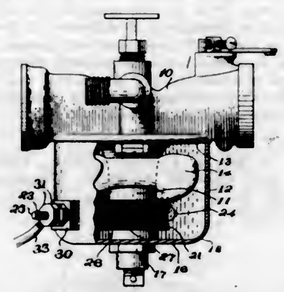
1,589,761. PROJECTOR FOR MOVING-PICTURE MACHINES. CHESTER R. LORD, Mineral City, Ohio. Filed July 21, 1924. Serial No. 727,370. 1 Claim. (Cl. 88—1.)

A projector of the character described including a circular frame embodying a pair of opaque plates having their outer edges rigidly connected by an annular band and provided with two pairs of registering openings in side by side relation, said plates having contiguous vertical center strips between the pairs of openings, a pair of prismatic lenses disposed and rigidly held between the plates in side by side relation and coincident with said pairs of openings, a bracket rigid with said frame, and a clamp carried by the bracket engageable with the lens holder of a projecting machine to removably mount the projector in front of the lens holder in the path of a



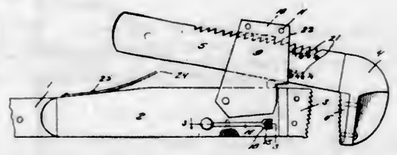
beam of light projected through the latter, whereby a single image from the projecting machine will be displayed in duplicate and in side by side relation on a single screen.

1,589,762. CARBURETOR CONSTRUCTION. FRANK MIMICK, Columbus, Nebr. Filed Dec. 4, 1924. Serial No. 753,833. 2 Claims. (Cl. 219—38.)



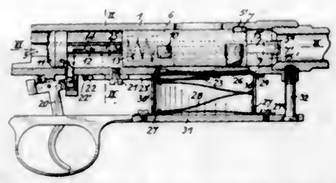
2. An attachable heater for carburetors comprising a cylindrical core having a curved end face to fit the inner wall face of a carburetor bowl the axis of the core being at an acute angle to the chord of said end face, an exposed wire helix wound on said core, a bolt extended axially through the core, said helix electrically joined thereto at the extremity of the core, said bolt projected through the curved end face, means to insulate the bolt from a bowl, and means including the bolt to clamp the core against a bowl through which the bolt may be inserted and separated means to complete an electrical circuit to the other end of said helix.

1,589,763. PIPE WRENCH. PAUL RATCLIFF, Ashland, Ky., assignor of one-half to Richard Gillum, Ashland, Ky. Filed Sept. 1, 1925. Serial No. 53,886. 3 Claims. (Cl. 81—103.)



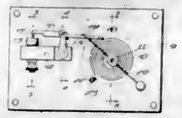
1. A wrench of the class described including, in combination, a fixed jaw, a frame pivoted on the fixed jaw, a pin slidable through the fixed jaw and engageable in an opening provided in the frame holding said frame rigid to the fixed jaw, said frame being provided with an interiorly extending tooth, a shank slidable through the frame and provided with teeth engageable by the first mentioned tooth, and a movable jaw on the shank.

1,589,764. SPORTING SHOTGUN. WALTER REMPT, Suhl, Germany. Filed Dec. 24, 1925, Serial No. 77,559, and in Germany Dec. 31, 1924. 12 Claims. (Cl. 42—17.)



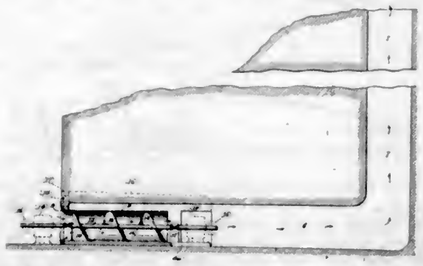
1. A sporting shotgun of the magazine type, comprising in combination an almost closed chamber, a breech-bolt capable of sliding and turning in the said chamber, a handle on the breech-bolt, a boss on the breech-bolt in alignment with the root of the said handle, a second boss on the other side of the breech-bolt, a covered guide for the said second boss, a striker, a nut on the rear end of the breech-bolt capable of arresting the striker, a trigger mechanism capable of arresting the said nut, a trigger guard, a cartridge magazine fixed to the said trigger guard, a locking lever for the magazine capable of being released by the breech-bolt, a follower in the magazine for elevating the cartridges contained therein, a vertical slot in the magazine walls for guiding the follower, an extractor on the head of the breech-bolt and means for securing the extractor against being turned before the breech-bolt is turned, as set forth.

1,589,765. CIRCUIT CONTROLLER. EMILE SCHEEMACKER and GEORGES RAIMOND, Woonsocket, R. I. Filed Aug. 14, 1923. Serial No. 657,383. 1 Claim. (Cl. 200—141.)



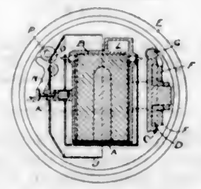
A circuit controller comprising a housing, a mercury cup terminal mounted in the housing, a shaft journaled in the housing at one side of the cup, a lever fulcrumed between its ends in the housing between the cup and shaft, one arm of the lever having a portion that enters the cup, the other arm extending towards the shaft, a counterweighted arm fixed to the shaft and having a terminal yoke that receives and engages the other and adjacent arm of the lever, and a heat responsive coiled spring surrounding the shaft and fixed thereto for turning the shaft and arm.

1,589,766. PNEUMATIC POWER GENERATOR. AUGUST H. SCHREIBER, Placerville, Calif. Filed Sept. 13, 1923. Serial No. 662,424. 3 Claims. (Cl. 253—38.)



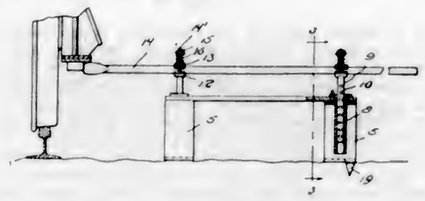
1. In a power generator of the type described, the combination with a passage way formed by a horizontal and a vertical shaft communicating with each other forming an air draft passage, of an air propelled element at the mouth of the horizontal shaft, means for confining the air passage through the last mentioned shaft to the zone occupied by said element, a by-pass communicating at its inner end with the horizontal shaft inwardly of said element, and a sliding plate valve operated by the speed of said element for partially closing and completely opening the passage for air through the horizontal shaft and for partially opening and completely closing the by-pass.

1,589,767. GRADIENT METER. WILLIAM TAPLEY, Redbridge, England. Filed Oct. 3, 1924, Serial No. 741,491, and in Great Britain Sept. 18, 1924. 4 Claims. (Cl. 33—220.)



1. A gradient meter including a case, a damping box rotatably adjustable within said case, manually regulated means extending into the case for adjusting said box, a magnetic pendulum within the box, an armature movable in the case externally of the box and controlled by said pendulum, a damping fluid in the box around the pendulum, a movable reading scale, operative connections between the armature and the scale, and manually regulated means extending into the case for adjustable frictional engagement with and damping of the said scale.

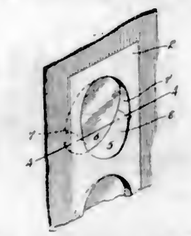
1,589,768. CHISEL HOLDER. JASON J. THURSTON, Sherman, Tex. Filed Nov. 14, 1925. Serial No. 69,085. 2 Claims. (Cl. 81—3.)



1. In a chisel holder of the class described, a stand construction, spaced vertical guide tubes carried by said stand, bars slidable and adjustable within said tubes, and clamps upon the outer ends of the bars through which the shank of the chisel is to be disposed.

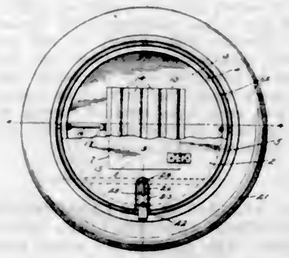
1,589,769. ILLUMINATED SIGN. RICHARD A. TIBBS, Bakersfield, Calif. Filed Oct. 6, 1925. Serial No. 60,789. 2 Claims. (Cl. 40—133.)

1. An illuminated sign comprising a casing having openings in one or more of its walls in the outlines of the letter or character strokes to be displayed, lamps enclosed in said casing and reflecting projections adjacent said openings, said projections extending inward from and at an angle to the wall in which said openings are formed and webs or flanges connecting said projections and said wall and bracing said projections, said webs or flanges extending symmetrically from the points of contact of said projections and said wall and having an extent of approximately half of the extent of



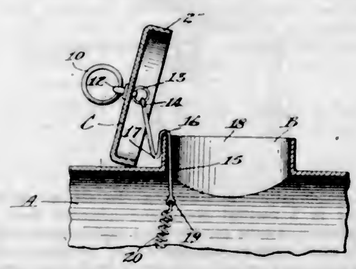
the walls of said openings, thereby leaving relatively wide gaps between said projections and the remaining extent of the walls of said openings.

1,589,770. AUTOMOBILE TOOL BOX. CHARLESS TRIGG, Columbus, Ohio. Filed May 5, 1924. Serial No. 710,982. 3 Claims. (Cl. 224—29.)



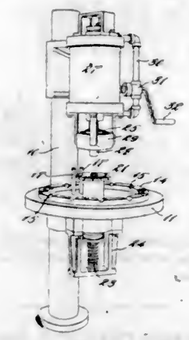
3. The combination with a spare tire carrying ring, of a box located within said ring, a tire retaining plate connected to said ring, a U shaped locking bolt engaging said plate, and a spring pressed plunger operative from the interior of the box for maintaining said U shaped member in locked position.

1,589,771. COVER FOR CONTAINERS AND THE LIKE. JOHN CLIFFORD TUCKER, Abbotsford, British Columbia, Canada. Filed Dec. 2, 1925. Serial No. 72,757. 3 Claims. (Cl. 220—24.)



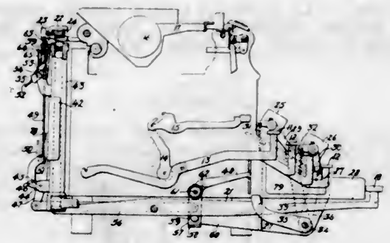
3. The combination with a container cover of spring-retaining means anchored within the container and an S-shaped supporting member connecting the cover with the retaining member.

1,589,772. METHOD AND APPARATUS FOR MAKING WHEELS. JAMES H. WAGENHORST, Jackson, Mich. Filed Feb. 24, 1920. Serial No. 360,804. 9 Claims. (Cl. 157—1.)



1. The herein described method of producing a wheel body comprising a channeled sheet metal rim and a plurality of wooden spokes, said method consisting in positioning an enlarged felly upon an annular support and maintaining the same against material distortion, arranging the wooden spokes within the sheet metal rim, their outer ends being in engagement with said rim at definite points, their mitered ends being elevated above the plane of said rim and then bringing the inner ends of said spokes into the plane of the wheel and finally permitting the sheet metal rim to resume its normal size and shape and place the spokes under radial compression.

1,589,773. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 27, 1922. Serial No. 597,253. 43 Claims. (Cl. 235—102.)

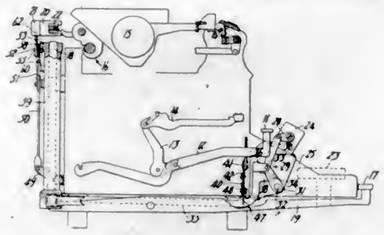


1. In a typewriting machine, a number-writing key, and means operated exclusively by the number-writing key for counting the operations thereof in a single column of the machine only.

1,589,774. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 9, 1923. Serial No. 617,909. 35 Claims. (Cl. 235—102.)

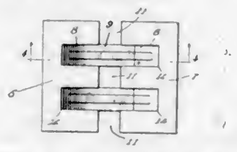
2. In a typewriting machine for writing bills in which one column includes only 5 and 10 cent items, a carriage, a set of number-keys from "0" to "9", inclusive, counter mechanism for adding the 5 and 10 cent items written in said column, means set by the "5" and

"9" keys of said set for controlling the counter mechanism to add 5 or 10 according to the amount of an item written in said column, and means actuated only



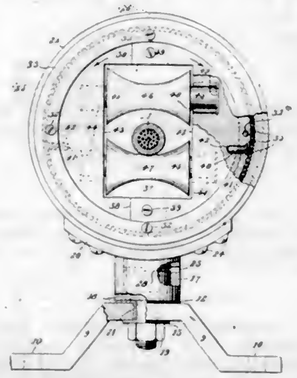
and wholly by movement of the carriage from said column in the carriage-return movement for operating the counter mechanism.

1,589,775. MOLDER'S CHAPLET. JOHN W. WALLACE, Rock Island, Ill. Filed June 4, 1924. Serial No. 717,676. 3 Claims. (Cl. 22—184.)



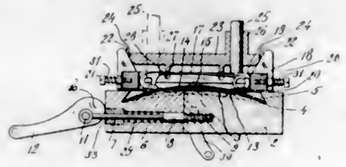
1. A molder's chaplet comprising a single piece of sheet metal having parallel strips pressed out at one side leaving vent openings and providing core-engaging portions joined at opposite ends to the body proper, the latter being split from side to side transverse to and intermediate the ends of said pressed out portions providing vent openings in addition to those provided by said pressed out portions.

1,589,776. SELF-ALIGNING CABLE GUIDE. CHARLES A. WARDEN, Huntington, W. Va. Filed Aug. 29, 1924. Serial No. 734,897. 9 Claims. (Cl. 254—190.)



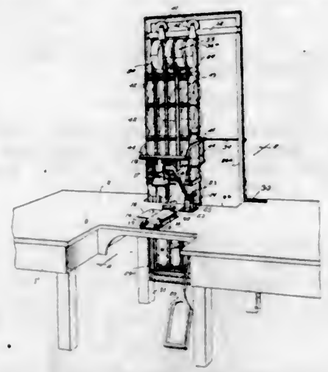
1. In a device of the type described, a support, a ring pivoted on said support, a second ring rotatably received within the pivoted ring, a two part block removably attached to the rotatable ring, said block having an opening formed therein, and parallel rollers positioned in said opening and journaled in said block.

1,589,777. APPARATUS FOR CARDING SAFETY PINS. ERNEST H. WEBB, New Brunswick, N. J., assignor to Chase Companies, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 12, 1922. Serial No. 551,972. 13 Claims. (Cl. 163—8.)



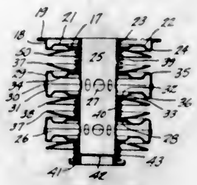
1. The apparatus for carding safety pins, comprising a multiple section card holder formed with inclined card grooves on either side of its upper surface and formed with an upwardly arching intermediate portion provided with transverse pin recesses, means for closing and opening the sections of said card holder to arch up a transversely slotted pin card having its edges located in said card grooves, a cooperating pin transfer block having a series of transversely spaced pin slots corresponding to the transverse slots in said card, releasable pin supporting plates cooperating with said transfer block to support a series of safety pins in alignment with the slots in said card and a pin releasing block connected to and relatively movable with respect to said transfer block and formed with means to release said pin supporting plates and to positively eject the safety pins from said transfer block when they have been inserted into the slots in said card to be retained therein by a retainer between the back of said card and the projecting pin members in the slots therein.

1,589,778. APPARATUS FOR LABELING GOODS SUCH AS STOCKINGS AND THE LIKE. OTTO P. WERNER, Milwaukee, Wis., assignor, by mesne assignments, to Kaumagraph Co., New York, N. Y., a Corporation of New York. Filed Sept. 11, 1925. Serial No. 55,734. 8 Claims. (Cl. 216—11.)



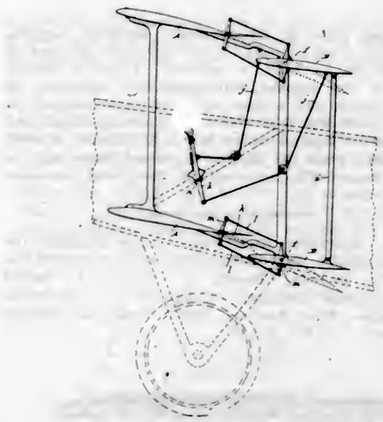
1. In combination, a stamping element mounted for movement in a vertical plane and normally held in a raised position, means for lowering and raising said element, a work support adapted to be positioned in the path of movement of said element, a fixed frame-support, a slidable frame mounted on said support and holding a plurality of transfer rolls arranged in vertical rows, said slidable frame adapted to be positioned so that any one of the transfer rolls may be operatively positioned relatively to said support.

1,589,779. THERMOSTAT FOR MOTOR VEHICLES. HARRY T. WOOLSON, Detroit, Mich. Filed Apr. 12, 1926. Serial No. 101,334. 9 Claims. (Cl. 236—34.)



1. In combination, a passage, a plate having apertures therein positioned in said passage, a downwardly projecting shoulder around the edge of said plate and a flat temperature responsive disk positioned to bear against said shoulder to open and close said apertures.

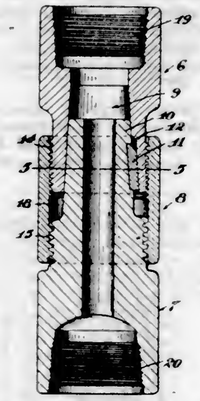
1,589,780. FLYING MACHINE. CHARLES ARTHUR WRAGG, Melbourne, Victoria, Australia. Filed Nov. 27, 1918. Serial No. 264,365. 9 Claims. (Cl. 244—12.)



1. A compound wing composed of dissimilar wings comprising a main wing and an auxiliary wing set close one behind the other with a gap between, said wings acting on the same airstreams, said auxiliary wing having smaller chord and thinner cross-section than the main wing, the upper surface of said auxiliary wing being convexed and compounded with the curves of said main wing to reduce eddies in the airstream, said wings normally disposed in substantially parallel separate planes.

1,589,781. ROTARY TOOL JOINT. JOSEPH M. ANDERSON, Fellows, Calif. Filed Nov. 9, 1925. Serial No. 67,865. 1 Claim. (Cl. 285—146.)

A rotary tool joint comprising a coupling member, an elongated tapered extension on said coupling member, a key carried by said extension, a second coupling member formed with a tapered bore to telescopically receive said tapered extension, a key-way in said bore to receive said key; each of said coupling members being provided wtih an externally threaded portion, the threads on one of said coupling members being of less pitch than the threads on the other coupling member, and the threads on both coupling members extending in like directions, and a sleeve having internally threaded portions adapted to screw in engagement with the threaded portions of said coupling members; said sleeve being screwed on and carried by the coupling member having the threads of greater pitch and operable on insertion of the tapered extension of one coupling member into

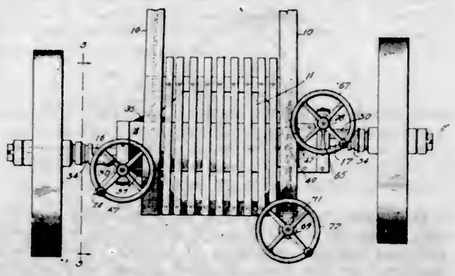


the bore of the other coupling member to effect engagement with the threaded portion on the first named coupling member on rotating the sleeve to retract it on the threads of lesser pitch.

1,589,782. ORTHODONTIC APPLIANCE. EDWARD H. ANGLE, Pasadena, Calif. Filed Dec. 15, 1925. Serial No. 75,503. 10 Claims. (Cl. 32—19.)

1. An orthodontic appliance comprising a tooth-band bracket of wire bent to provide an arch-bar receiving recess, and to afford apertures disposed upon opposite sides of said recess.

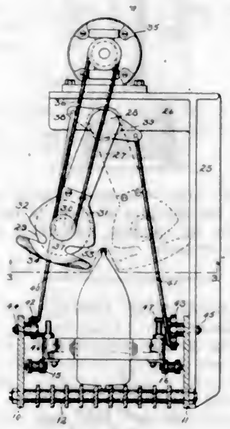
1,589,783. REAR AXLE MOUNTING FOR ROAD GRADERS. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 700,118. 11 Claims. (Cl. 280—80.)



1. A grader including a supporting frame, a rear axle comprising an open ended box, two wheel spindles having racks and extending into opposite ends of the box, pinions mounted in the ends of the box and engaging

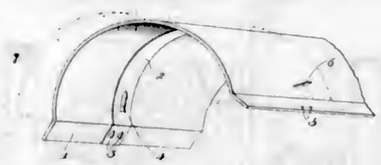
said racks, a shaft for each pinion splined therein and adapted to have longitudinal movement through the corresponding pinion, a supporting member for each shaft, a clutch member mounted on said supporting member, a clutch-toothed member fixed on the shaft and confronting the opposite clutch member, and springs urging said shafts in a direction to carry the clutching members into engagement with each other.

1,589,784. SEVERING DEVICE. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Feb. 8, 1924. Serial No. 691,431. 9 Claims. (Cl. 164—68.)



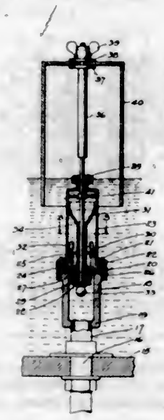
1. Means for severing a continuous closure member applied to the top of successive bags, comprising means to convey the bags in spaced relation, a cutter in operative position above the path of the conveyed bags, and means connected with the conveyor for giving the cutter severing motion alternately in opposite directions between successive bags.

1,589,785. FLEXIBLE TILE ROOFING. JAMES FRANK BOBBITT, Greenwood, Miss. Filed Apr. 1, 1925. Serial No. 19,917. 1 Claim. (Cl. 108—33.)



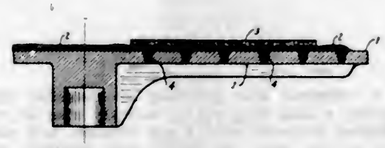
In flexible roofing tiling, a metal stiffening member, and means for connecting the flexible tile and metal stiffening together, consisting of long and short prongs punched from the metal, the short prongs being adapted to secure the stiffening member in position, and the long prongs protruding through the side edge of the lower tile thereby receiving and clinching the upper or overlapping tile member firmly in place.

1,589,786. FLOAT VALVE FOR FLUSH TANKS. ANDREW C. BRADSHAW, Los Angeles, Calif. Filed Oct. 11, 1924. Serial No. 743,095. 4 Claims. (Cl. 137—104.)



1. A float valve of the character described comprising an inlet valve adapted to close with the pressure of water entering a tank, a cylinder, a hollow piston movable in the cylinder and operatively connected to the inlet valve, and a float operated valve adapted to normally hold the inlet valve to closed position and controlling the flow of water into said cylinder in such manner that when the float is depressed water will be admitted to the cylinder to actuate the piston and open the inlet valve.

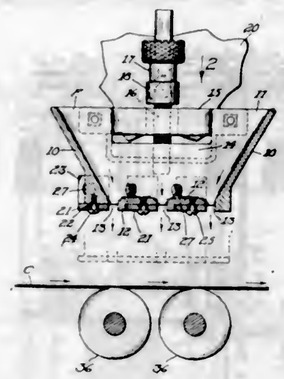
1,589,787. METHOD OF LAYING GLASS SHEETS ON WORKTABLES FOR GRINDING AND POLISHING. JOHN W. BUTLER, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 14, 1923. Serial No. 662,620. 2 Claims. (Cl. 51—278.)



1. The method of preparing plates of glass for grinding and polishing consisting in applying upon a flat table having a plurality of tapered apertures therethrough a layer of plaster in a plastic condition which plaster fills the apertures and presents an even upper surface, placing the plate of glass to be treated upon the upper surface of the plastic layer and allowing the plastic layer to dry and set, adhering evenly to the table and under side of the plate of glass, the excess moisture of the plastic layer evaporating uniformly through the plurality of apertures in the table.

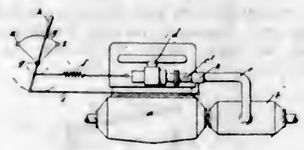
1,589,788. FLOW PAN FOR COATING MACHINES. EARLE M. CHASE, Springfield, Mass., assignor to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed Mar. 12, 1924. Serial No. 698,773. 5 Claims. (Cl. 91—3.)

1. In a coating machine, a flow plan having a longitudinally extended delivery opening, a plate movable to vary the width of said opening, said plate having guide slots therein disposed at an oblique angle to the length



of said delivery opening, studs for said guide slots fixed in said pan, and means to move said plate relatively to said pan and obliquely across said delivery opening.

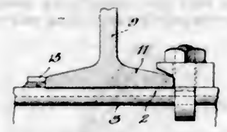
1,589,789. REGULATING MECHANISM FOR COMBUSTION ENGINES. PAUL DAIMLER, Cannstatt, Germany, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Filed Aug. 7, 1920, Serial No. 402,067, and in Germany Aug. 5, 1918. 3 Claims. (Cl. 123—119.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination of an internal combustion engine including a carbureter, a throttle valve for said carbureter, a source of compressed air connected with said carbureter, means for controlling the passage of compressed air to said carbureter, an operating lever and connections extending from said lever to said throttle valve and said compressed air controlling means respectively, said connections being such as to operate the throttle valve to a predetermined point and to permit a subsequent independent movement of the operating lever to independently actuate said compressed air controlling means.

1,589,790. RAIL-SECURING MEANS. WILLIAM DALTON, Schenectady, N. Y. Filed June 1, 1925. Serial No. 34,021. 3 Claims. (Cl. 238—338.)

1. The combination with a metal tie of T-section, having the underside of the outer edges of its head provided with longitudinal bulges, an abutment permanently secured to the head of the tie to prevent outward movement of the rail, a clamp bar constructed to overlap the inside flange of the rail, and bolts to hold said bar to the tie, the heads of said bolts being hook-shaped to engage under said bulges, whereby no holes or cuts in the tie are required and the rail can be adjusted laterally to compensate for wear on its head by moving said bar longitudinally of the tie and interposing a shim between the rail and said abutment.



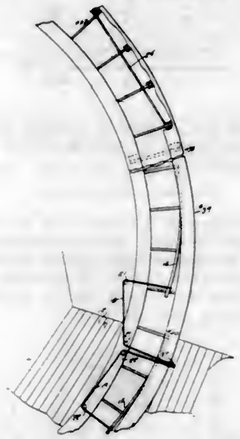
1,589,791. PRESSURE FRAME FOR SLIDING WINDOWS. OTTO DANNEHL, Berlin-Zehlendorf, Germany, assignor to Naamlooze Vennootschap Machinerieen en Apparaten Fabrieken, Utrecht, Netherlands. Filed Oct. 28, 1924, Serial No. 746,424, and in Germany Dec. 1, 1923. 4 Claims. (Cl. 20—52.1.)

1. In combination, a window frame, a vertically slidable window mounted in said frame, a pressure frame associated with the window, means at the upper extremity of the pressure frame for guiding the latter into engagement with the window incident to downward movement of the pressure frame, means for loosely guiding the lower portion of the pressure frame, a pivoted lever associated with the last mentioned guiding means and operable during movement in one direction to elevate and withdraw the lower portion of the pressure frame from the window and, during movement in the opposite direction to lower the pressure frame, and means coacting with said lever to resiliently press the lower portion of the pressure frame against the window the pressure frame is in its lowered position.

1,589,792. CONTROL SYSTEM AND MECHANISM FOR AMUSEMENT COASTERS. FRANK W. DARLING, New York, N. Y., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y., a Corporation of New Jersey. Filed July 10, 1925. Serial No. 42,642. 9 Claims. (Cl. 188—62.)

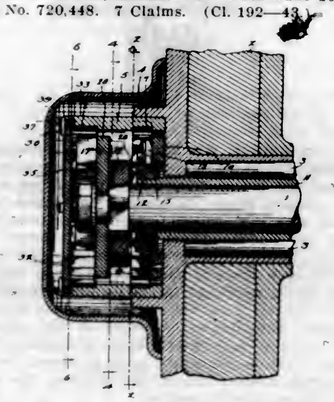
1. A coaster way upon which a coaster car is adapted to travel including a car locking and stopping member extending along the way against which the car is adapted to move in a direction transverse to the line of travel, a cooperating braking and stopping member laterally spaced from said first-named member and operable in a direction transverse to the line of travel and relatively

toward said first named member to lock the car therebetween and bring it to a positive stop, a second braking and stopping member spaced longitudinally along the track from said first cooperating member and relatively operable towards a car locking and stopping mem-



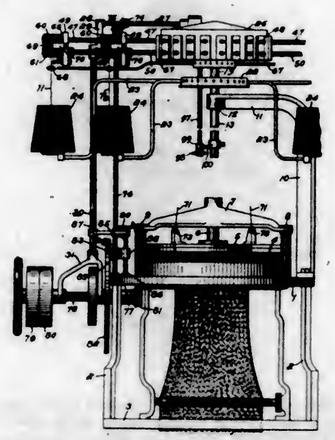
ber to bodily move a car in binding engagement thereagainst and to arrest and lock it therebetween, connections between said cooperating brake operating stopping members for simultaneously actuating them and means for relatively operating the brake and cooperating locking members.

1,589,793. POWER-TRANSMISSION MECHANISM. WILLIAM F. DIDEN, Milton, Fla. Filed June 16, 1924. Serial No. 720,448. 7 Claims. (Cl. 192—43.)



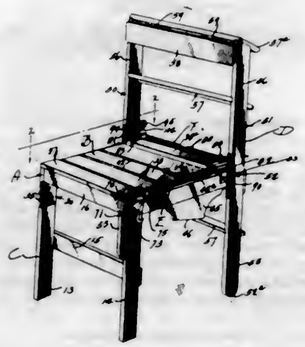
2. In combination, a driving member, a driven member, a clutch therebetween including a supporting member, a clutch controlling member fixed to the driving member and capable of limited rotation relative to the supporting member of the clutch, said clutch comprising a second member fixed to the driven member and movable therewith, one of said clutch members being provided with ratchet teeth, the other clutch member being rigid and provided with dogs movable relative thereto and engageable with said ratchet teeth, and yieldable means to normally move said dogs relative to said other clutch member out of engagement with said ratchet teeth, said clutch controlling member being provided with pins for moving the dogs into engagement with the ratchet teeth.

1,589,794. YARN CONTROL FOR KNITTING MACHINES. WILLIAM P. DRUMHELLER, Springfield, Mass., assignor to The William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts. Filed Jan. 24, 1924. Serial No. 688,210. 10 Claims. (Cl. 66—132.)



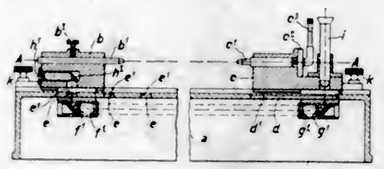
1. Means for variably, positively controlling the yarn feed for knitting machines, comprising in combination, a plurality of sets of feed rolls, one set for each yarn to be supplied, mechanism for simultaneously rotating at least one roll of each set, means for varying the rotary speed imparted to said rolls by said mechanism thereby to control simultaneously the rate of feed of all the yarns, and means for independently controlling the rate of feeding movement of the individual sets of rolls.

1,589,795. COMBINATION HOUSEHOLD CHAIR, STEP-LADDER, ETC. HENRY C. EMRICH, Washington, D. C. Filed Feb. 20, 1925. Serial No. 10,668. 14 Claims. (Cl. 155—42.)



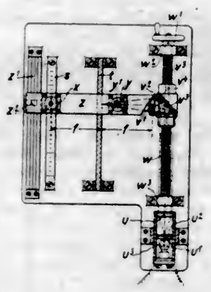
1. In a device of the class described the combination of a seat structure including a pair of sections, means slidably connecting the sections for collapsed or extended positioning with respect to each other, leg supporting means for said sections, one of said sections having spaced slats as a part of the seat structure thereof, and a locking frame pivotally carried by the other section adapted to extend into the spaces between said slats for for locking the sections against relative movement.

1,589,796. MEASURING MACHINE. OTTO EPPENSTEIN and ADOLF STEINLE, Jena, Germany, assignors to the Firm of Carl Zeiss, Jena, Germany. Filed Nov. 24, 1924, Serial No. 752,050, and in Germany Dec. 7, 1923. 2 Claims. (Cl. 88—14.)



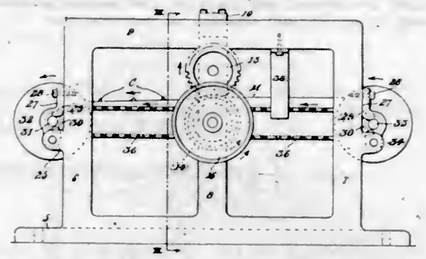
1. In a measuring machine a bed, two straight-lined scales successively disposed and rigidly fixed on this bed, two members connected with this bed so as to be displaceable along the bed parallel to the said scales, these two members being adapted each to be adjusted to the one and the other extreme points of the length to be measured, two optical systems connected each to the one and the other of the said members, these optical systems being adapted to image the two scales upon each other, and each of the two optical systems having its focal point, facing the appertaining scale, in the scale.

1,589,797. MEASURING DEVICE. OTTO EPPENSTEIN, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Nov. 24, 1924, Serial No. 752,051, and in Germany Dec. 7, 1923. 3 Claims. (Cl. 88—14.)



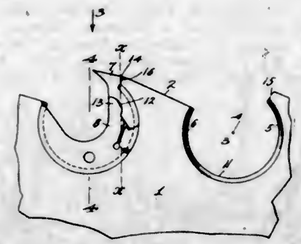
1. In a device for comparing two distances, running parallel to each other, a ground plate, a collimator, fixed to the ground plate and comprising a collective system and a mark, the axis of this collimator being parallel to the two distances, guides fixed to the ground plate parallel to the said distances, a support displaceably on these guides, an optical system fixed to the said support and located in front of the said collimator, this system comprising deflecting means adapted to deflect rays passing through the system on an angle of about 90°, and the system being adapted to image the said mark on one of the two distances, the optical axis of which system lies in the plane determined by these two distances, the rear focal point of which system lies on the distance on which the collimator mark is to be imaged and of which system that point lies on the other of the two distances which has the property that a ray aiming at it from the side opposite to the collimator emanates from the said optical system at an angle to the axis which is equal to that on entering with respect to magnitude and direction, and means fixed to the said support and allowing of ascertaining the position of the said optical system with respect to the other distance.

1,589,798. WIRE CRIMPER. FRED J. EWERS, Sacramento, Calif. Filed Jan. 29, 1925. Serial No. 5,495. 1 Claim. (Cl. 153—77.)



In a wire crimping machine, a machine frame, journal bearings at opposite ends of the frame, winding and spending rollers journaled in the bearings, a shaft carrying each roller and projecting laterally of the frame at one side, a sprocket wheel fixed to the projecting ends of the shafts, a pair of crimping rollers journaled in the frame between the winding and spending rollers, journaled shafts supporting the crimping rollers with one of the shafts projecting from one side of the frame and the other shaft projecting from both sides thereof, sprocket wheels on the projecting ends of the last named shafts with two of the sprocket wheels forming connection between the shafts supporting the crimping rollers, a source of power associated with one shaft of the crimping rollers and sprocket chains connecting the remaining sprocket wheels on the several shafts.

1,589,799. SAW. EDWARD FOSTER, Jamaica, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 28, 1922. Serial No. 603,747. 1 Claim. (Cl. 143—151.)

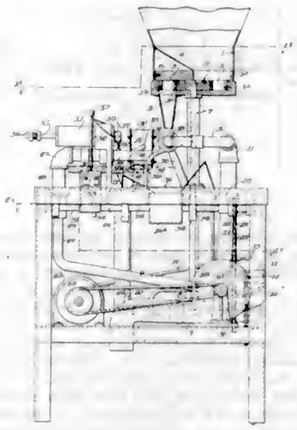


In an inserted tooth saw, the combination, with the saw-blade having a circular socket, having a back and shoulder, of a shank arranged to fit in and be rotated in said socket, said shank having a locking head provided with a curved surface, a bit having a saw tooth provided with a back arranged to abut against the said shoulder of the socket, and having a recess to receive the locking head, the locking head being positioned and arranged to intersect the radial line from the center of the socket to the intersection of the shoulder with the circumference of the socket, the upper part of the locking head and the slope of the shoulder being such that the line of said slope will intersect the locking head and will be substantially normal to said curved surface, substantially as described.

1,589,800. BAGGING MACHINE. JULIUS FRANK, Chicago, Ill. Filed July 23, 1925. Serial No. 45,684. 14 Claims. (Cl. 226—49.)

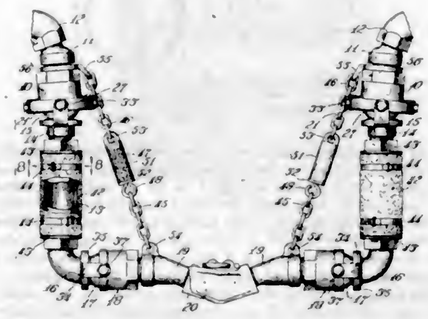
1. In apparatus for filling packages, the combination of means for supplying material, having means for con-

trolling discharge of such material, a bag-opening means located beneath such discharge, and comprising a pair of suction elements, means for causing such suction elements to approach and separate, and means for developing suction in said elements as they separate.



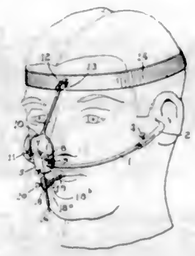
6. In means for packaging subdivided material, a bag opener comprising fixed and movable suction tubes in position to act upon opposite walls of a bag introduced between them, and means for sliding a bag edgewise in between said tubes and within reach of the fixed tube; said movable tube being timed to approach after introduction of such bag and recede while the bag is supported between them, and said tubes having means for developing suction within them during the receding of the movable tube.

1,589,801. FLEXIBLE PIPE CONNECTION. EGBERT H. GOLD and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Mar. 17, 1922. Serial No. 544,448. 8 Claims. (Cl. 285—7.)



1. In a flexible metallic conduit structure for making the connection between the train pipes on adjacent cars of a railway train, the combination of a tubular element secured to the car, a tubular element angularly disposed with respect thereto and provided with a coupler and an intermediate tubular element articulated with said other elements by flexible joints, an anchoring device rotatively arranged on said first named tubular element, and a flexible supporting member extending from said anchoring device to the tubular element having the coupler.

1,589,802. APPARATUS FOR LOCATING OCCLUSAL PLANES. PERCIVAL A. GOULD, Gibsonburg, Ohio. Filed July 23, 1925. Serial No. 45,480. 7 Claims. (Cl. 32—1.)

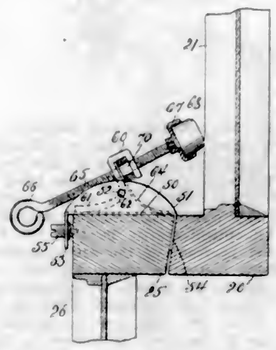


1. In a measuring apparatus, a substantially U-shaped member adapted to fit around a patient's face below the nose, extensible end portions in said member provided with elements engageable with the ears, means adapted to be attached to the upper part of the head for supporting said member, a horizontally adjustable element on the forward portion of said member and a depending guide pin detachably secured to said horizontally adjustable element.

1,589,803. MEANS FOR CLEANING BLAST-FURNACE GASES. FRITZ HÄRING, Geisselrochlitz, Bezirk Halle, Germany, assignor to Freyn Engineering Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 26, 1921, Serial No. 495,785, and in Germany Sept. 11, 1914. 2 Claims. (Cl. 183—45.)

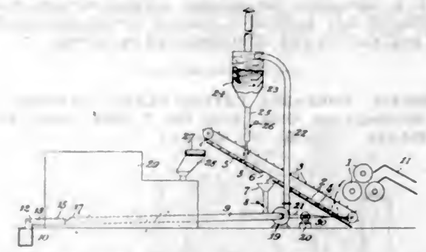
1. A filtering medium for mechanically extracting dust from hot furnace gases consisting of a matted body of steel threads.

1,589,804. SASH FASTENER. JOHN HOLTZMAN, New York, N. Y. Filed Jan. 8, 1924. Serial No. 685,002. 4 Claims. (Cl. 292—67.)



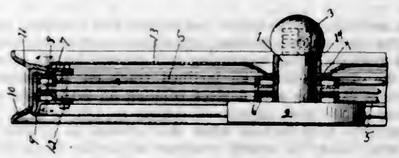
1. In a sash fastener the combination of a bracket adapted to be fastened to a window sash, a second bracket pivoted to the first bracket, a screw supported in the second bracket, a plug carried by said screw adapted to bear against the other sash of the window and means for the second bracket to normally maintain the latter in operative angular position to produce a cam action between said plug and the second sash with any movement of the sashes to a changed position.

1,589,805. APPARATUS FOR DRYING AND HANDLING BAGASSE AND SIMILAR MATERIALS. WILLIAM KAJERDT and MARIANO J. GALAINENA, Habana, Cuba. Filed Mar. 20, 1922, Serial No. 545,382. Renewed Apr. 26, 1926. 7 Claims. (Cl. 34—34.)



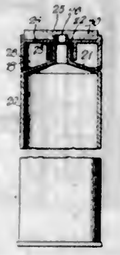
1. In an apparatus for drying bagasse and similar materials the combination, with a blower and means for driving the same, of means for supplying heated gases to said blower, thermostatic means for controlling the temperature of said gases, means for delivering bagasse to the intake of the blower, a discharge conduit from the blower through which said bagasse may be driven by the current of heated gases also delivered by the blower, an apparatus for separating said bagasse from said heated gases, and mechanism for discharging the dried bagasse from said separating apparatus.

1,589,806. AUTOMOBILE WHEEL. MARTIN KAYUK, Detroit, Mich. Filed Feb. 3, 1926. Serial No. 85,713. 1 Claim. (Cl. 301—37.)



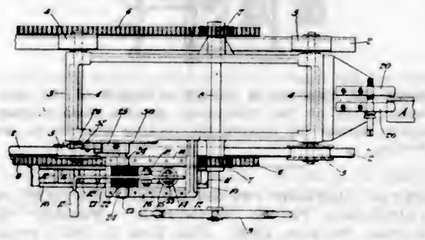
An automobile wheel comprising a member sleeved upon the hub and adapted to receive and hold the inner ends of the spokes of the wheel, an inner rim member adapted to receive and hold the outer ends of the spokes of the wheel, a ring adapted to receive within it said inner rim member, an outer rim member, a demountable rim member, and means for securing said inner rim, said ring, outer rim member and demountable rim member together.

1,589,807. SHOE DAUBER. HARVE A. KUNS, Oakland, Calif., assignor to Viola R. Kuns, Oakland, Calif. Filed Nov. 28, 1924. Serial No. 752,575. 1 Claim. (Cl. 15—135.)



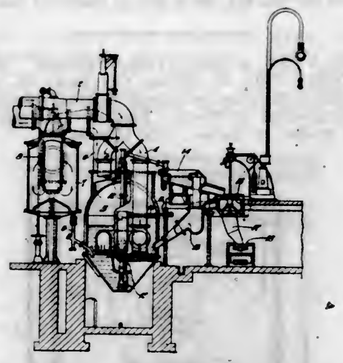
A shoe dauber, comprising a collapsible container, provided at one end with an applicator socket, said socket comprising a plate having an opening therethrough in communication with the interior of said container, and having a forwardly extending peripheral rim concentric with said opening, and a felt sheet filler within and secured to said socket, and projecting beyond the rim, the felt sheet covering the opening through the plate, for the purpose described.

1,589,808. SPACING CARRIAGE. WILLIAM J. McCANN, Sewickley, Pa. Filed Mar. 5, 1925. Serial No. 13,323. 8 Claims. (Cl. 164—117.)



1. In a spacing carriage for punching machines and the like, a stationary table, a carriage movable relative to said table and the machine, means for moving said carriage, a plurality of stop members removably carried by said table and adapted to be mounted in various fixed positions on said table, a second stop member carried by said carriage and adapted to cooperate with said first mentioned stop members to stop said spacing carriage at predetermined positions, and means for adjusting the position of said second stop member in the direction of travel of said carriage to vary the amount of travel of said carriage.

1,589,809. METHOD OF RECOVERING AMMONIUM SULPHATE. FRANK F. MARQUARD, Clairton, Pa. Filed Feb. 5, 1925. Serial No. 7,067. 5 Claims. (Cl. 23—196.)

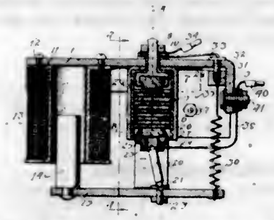


5. In the recovery of ammonium sulphate from gases distilled from coal, the steps consisting in passing such gases through a sulphuric acid bath, and periodically neutralizing said bath while continuing the passage of the gases therethrough, to thereby depyridinize the bath.

1,589,810. VOLTAGE REGULATOR. HARRY B. MARSHALL, St. Louis, Mo.; Edward W. Terry, administrator of said Marshall, assignor to Marshall Electric Company, St. Louis, Mo., a Corporation of Missouri. Filed June 13, 1924. Serial No. 719,880. 17 Claims. (Cl. 201—51.)

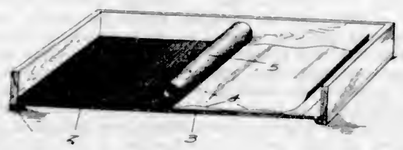
1. In a rheostat, a compressible resistance member having one end stationary, a rocking member pivoted on

a stationary axis disposed between the ends of the resistance member, a thrust member interposed between the rocking member and the other end of the resistance



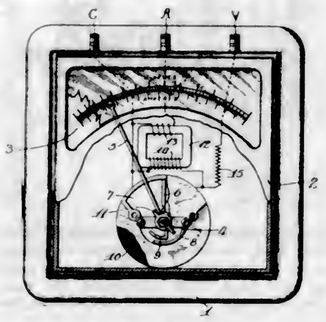
member and disposed in oblique extension of the compression axis of the resistance member, and electromagnetic means for moving the rocking member in one direction.

1,589,811. METHOD OF OBTAINING CONTACT IN PROCESSED-PAPER PRINTING. WILLIAM W. MATHES, Stockton, Calif. Filed June 1, 1923. Serial No. 642,752. 1 Claim. (Cl. 95—77.)



The method of obtaining contact between superimposed sheets laid on a smooth surface consisting in placing on said sheets a pad of heavy flexible and air proof material rolled on itself, and allowing the pad to unroll over the sheets under the influence of its own weight and resiliency whereby with such unrolling of the pad the air between the pad and sheets will be positively excluded.

1,589,812. ALTERNATING-CURRENT VOLTAMMETER. JOHN H. MILLER, Oak Park, Ill., assignor to Jewell Electrical Instrument Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1925. Serial No. 60,414. 4 Claims. (Cl. 171—95.)

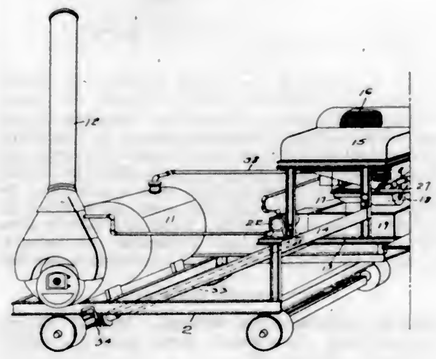


4. An alternating current volt-ammeter comprising an indicator, a coil, means to actuate said indicator in accordance with the current flowing through said coil, a transformer having primary and secondary windings, said secondary winding being connected to said coil in a closed series circuit, a resistance means for connecting said secondary winding to an external circuit and means for connecting said coil and resistance in series to an external circuit.

1,589,813. COMPOSITION FOR POLISHING CELLULOID SURFACES. MATTHEW BARRATT MOORE, Coventry, England. Filed June 18, 1925, Serial No. 38,103, and in Great Britain May 27, 1924. 2 Claims. (Cl. 134—15.)

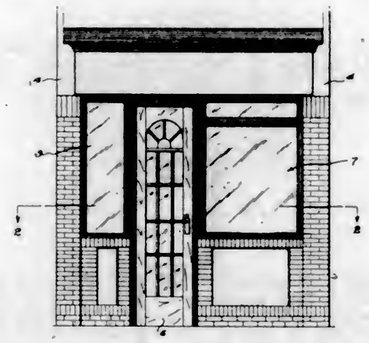
1. A composition for polishing celluloid surfaces consisting of four parts of a celluloid solvent, four parts of grit, and one part of lubricant, all by volume.

1,589,814. PORTABLE PAVING PLANT. CLIFFORD C. MOSHER, Lima, Ohio. Filed Feb. 7, 1924. Serial No. 691,134. 1 Claim. (Cl. 94—43.)



A portable paving plant, comprising two vehicles, sand-drying and asphalt-melting apparatus carried by one of said vehicles, batch measuring and mixing devices carried by the other vehicle, an inclined track on the latter, a carriage carrying said devices running on said track, and means on the first mentioned vehicle to deliver sand and asphalt to said devices when the carriage is at the top of said track, in which position headroom is provided between the vehicles and under said devices for the passage of wagons to receive the mixed charge.

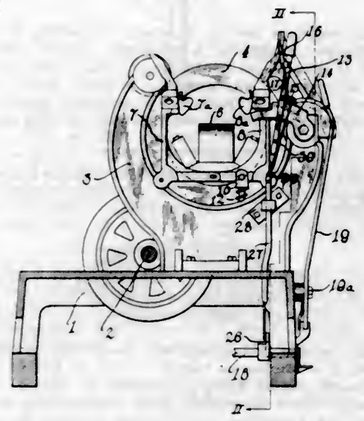
1,589,815. STORE FRONT. BERNARD M. OBERDOERFER, Baltimore, Md. Filed Mar. 5, 1925. Serial No. 13,386. 3 Claims. (Cl. 20—40.4.)



1. A store front including a door way, a show case arranged at one side of said door way, and a mirror arranged at the opposite side of the door way, the front

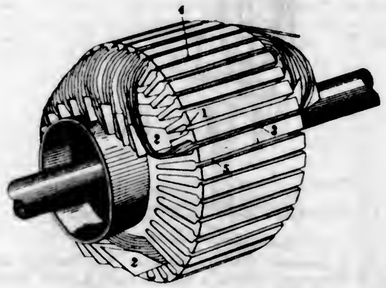
of the show case and said mirror converging rearwardly, whereby a person looking into the mirror will see the goods exhibited in the show case.

1,589,816. CONTROL MECHANISM FOR WRAPPING MACHINES. PAUL PIERCE, Chicago, Ill. Filed Jan. 9, 1926. Serial No. 80,253. 9 Claims. (Cl. 242—6.)



1. In a tire wrapping machine, means for engaging the side walls of a tire, means tending to force said first mentioned means away from the tire, and releasable means for locking said first mentioned means in tire engaging position against the action of said second mentioned means.

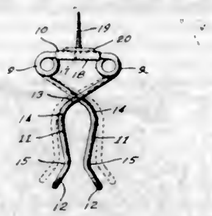
1,589,817. INSULATING MEANS. EARL T. REARDON, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 8, 1925. Serial No. 48,934. 6 Claims. (Cl. 171—206.)



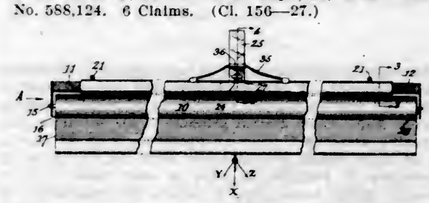
1. An insulating means for a dynamo electric machine having winding slots, which comprises a strip of insulating material having enlarged ends and an intermediate portion adapted to be positioned in a winding slot.

1,589,818. HANGER FOR HANDLE WARE. WARREN RITTER, Brooklyn, N. Y. Filed Mar. 8, 1926. Serial No. 93,338. 2 Claims. (Cl. 24—257.)

1. A hanger for handle ware comprising a continuous resilient wire shaped to form a plurality of spring coils disposed in paired relation, and a plurality of cooperating spring jaws extended from said coils, a body plate provided with curled margins rigidly connecting the terminals of all of said coils, and means for attaching said body plate in service.

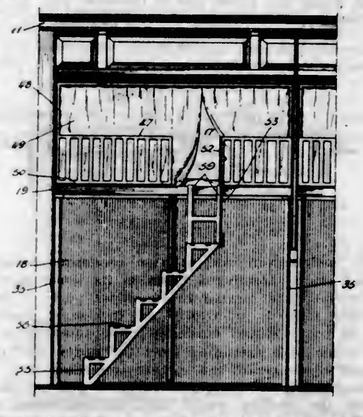


1,589,819. CURTAIN HANGER. ELMER R. ROBERTSON, North Conway, N. H. Filed Sept. 14, 1922. Serial No. 588,124. 6 Claims. (Cl. 156—27.)



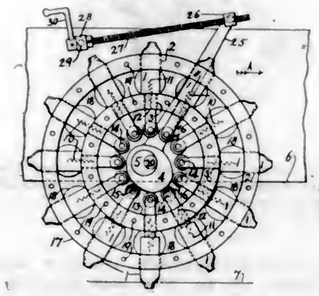
1. A curtain hanger comprising in combination, a bracket provided with spaced ears for receiving the pivots of a curtain roller, means for pivotally connecting said bracket to a support for oscillation about an axis substantially at right angles to the vertical plane containing the axis of rotation of the curtain roller, and resilient means for biasing the bracket to a position in which the axis of rotation of the curtain roller is horizontal.

1,589,820. LADDER FOR SLEEPING CARS. AGNES R. ROSSMAN, Scotch Plains, N. J. Original application filed Nov. 13, 1924, Serial No. 749,577, now Patent No. 1,543,298, dated June 23, 1925. Divided and this application filed June 20, 1925. Serial No. 38,489. 7 Claims. (Cl. 105—326.)



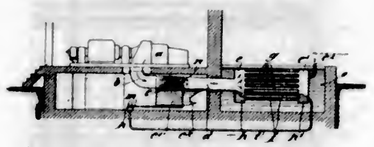
1. In a sleeping car construction, an upper berth including a bunk, a guard rail therefor, a gate for said rail, and a normally folded ladder capable of suspension from said bunk and movable to an extended position by the opening of said gate.

1,589,821. TRACTOR WHEEL. JOHN SILLERY, Nobber, Irish Free State. Filed Feb. 5, 1925, Serial No. 6,084, and in Great Britain July 15, 1924. 1 Claim. (Cl. 301—47.)



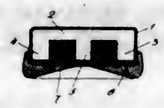
In connection with tractor wheels and traction means applied thereto of the kind described, in combination with said tractor wheels, a series of outwardly and inwardly displaceable ground grippers 1, an operating cam 4 having attached thereto an operating lever 25 having at its outer end a pivoted screw block 26, an operating screw rod 27 adapted to work in said screw block, a pivoted thrust bearing 28 in which the operating rod 27 is adapted to revolve, on the outer end of the operating rod 27 an operating handle 30, the cam 4 being capable of outwardly displacing the grippers 1 as they near the ground while permitting of their inward displacement as they revolve out of the ground, springs 10 adapted to normally secure the grippers 1 in their inwardly displaced positions while permitting of their outward displacement, pairs of spaced apart spiders 13 and 17, spokes 18 connecting said spiders together, brackets 21 connecting said spiders to the tractor wheel, and grippers 1 arranged between the pairs of spiders 13 and 17 and between the connecting spokes 18.

1,589,822. CONDENSER FOR WASTE STEAM. OTTO SORGE, Berlin-Grunewald, Germany. Filed Jan. 10, 1925, Serial No. 1,708, and in Germany Jan. 13, 1924. 3 Claims. (Cl. 257—40.)



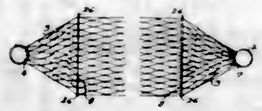
1. In combination: an injection condenser comprising a closed casing forming a basin in its lower part, and an injection tube located in its upper part; a surface condenser located practically on the same horizontal plane as the injection condenser; a comparatively wide waste-steam pipe extending from the upper part of the injection condenser to the surface condenser; and being so located as to be adapted to permit a part of the mixture of the cooling water and the condensed steam formed in the injection condenser to flow to the surface condenser so as to be cooled therein and get mixed with the condensed steam formed in this condenser; and a tube connecting the mixing chamber of the surface condenser with the injection tube of the injection condenser.

1,589,823. TELEPHONE RECEIVER. KARL SIEBEL, Kiel, Germany, assignor to the Firm: Neufeldt & Kuhnke, Betriebsgesellschaft m. b. H., Kiel, Germany. Filed Nov. 18, 1924, Serial No. 750,564, and in Germany Nov. 30, 1923. 2 Claims. (Cl. 179—117.)



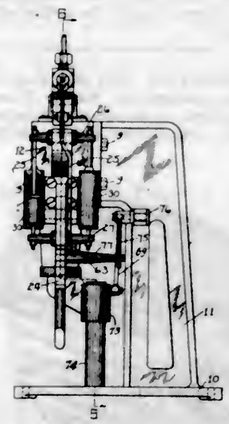
1. A telephone having a casing containing a three pole magnet comprising a prismatic magnet body recessed at two places on its upper longitudinal side to form one central pole and two external poles, and a magnetic diaphragm having its peripheral portions in magnetic contact with the external poles of said magnet.

1,589,824. HANDMADE HAMMOCK. CLAUS F. SPECHT, Valparaiso, Ind. Filed Jan. 30, 1922. Serial No. 532,837. 3 Claims. (Cl. 5—122.)



3. An article of manufacture comprising a netting formed of a continuous length of cord of desired width and length, having groups of meshes at the end which gradually reduce in number, loops connected to the end meshes and supporting rings passing through the loops.

1,589,825. SPARK-PLUG TESTER. GEORGE STAEBLER, Toledo, Ohio. Filed June 4, 1924. Serial No. 717,681. 6 Claims. (Cl. 73—51.)

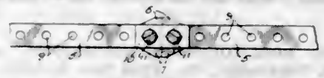


1. In a leakage testing machine for testing spark plugs, a mounting having a hollow bore, a tube movable in said bore, a main operating lever pivoted at one end to said mounting, means for connecting said lever and said tube whereby movement of said lever imparts corresponding movement to said tube, spark plug clamping members carried by said mounting and being relatively movable transverse to the axis of said tube, an operative connection between one of said members and said main operating lever, a transparent receptacle for containing a liquid, a platform supporting said receptacle, means for guiding said platform, and an operative connection between said platform and said main operating lever whereby said platform may be moved to submerge the spark plug.

1,589,826. SAFETY RAZOR. NEIL A. STRAND, Brooklyn, N. Y. Filed Feb. 4, 1926. Serial No. 85,817. 6 Claims. (Cl. 30—12.)

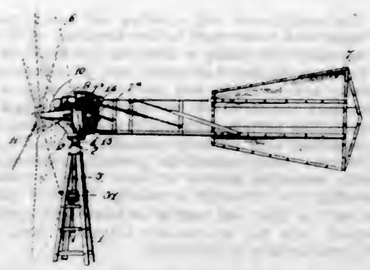
1. In a safety razor, the combination of a guard plate, a top plate, a blade between said plates, said plates being of obtuse angular formation lengthwise thereof, a handle, and means associated with the plates and cooperating with the handle to hold the plates in operative position, the end portions of the plates diverging from each other in a direction remote from the handle.

1,589,827. TOY BUILDING CONSTRUCTION. HOWARD H. WESSEL, New Britain, Conn., assignor to The Hart & Cooley Company, Incorporated, New Britain, Conn., a Corporation of Connecticut. Filed June 23, 1925. Serial No. 38,968. 1 Claim. (Cl. 46—35.)



A structural member for a toy building construction, comprising a one piece elongated sheet metal body portion having parallel sides with an integral fish tail flaring portion at one end, squared off at the end on a line at right angles to the center line of said body portion, said body portion having a series of correspondingly shaped perforations arranged longitudinally thereof on said center line and spaced equidistant from each other, each end perforation of said series being spaced from the adjacent end of the member substantially one-half the distance between two adjacent perforations.

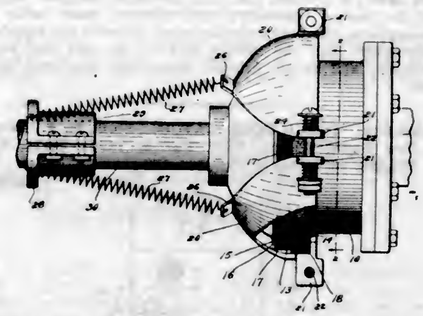
1,589,828. WINDMILL FOR GENERATING ELECTRIC ENERGY. EDWARD H. WILLIAMS, South Bend, and FRED L. HUNT, Mishawaka, Ind., assignors to Perkins Corporation, South Bend, Ind., a Corporation of Indiana. Filed Feb. 23, 1922. Serial No. 538,636. 2 Claims. (Cl. 290—55.)



1. A windmill for generating electric energy comprising a support, a main frame rotatably mounted on said support and formed with a closed gear casing arranged to support speed-multiplying gearing, a wind wheel rotatably mounted on said frame and connected to said gearing, an electric generator including an armature and an armature shaft also connected to said gearing and having a casing formed with a neck surrounding said armature shaft, a seat in the wall of said gear chamber to receive said neck, clamping bolts arranged circumferentially about said generator casing neck arranged to clamp said generator casing to said gear casing, a bracket extending from the wall of the gear casing to a remote part of the generator casing and formed with a cross arm at its outer end, said cross arm being equipped adjacent opposite ends with supporting screws, and an adjustable strap secured to the opposite ends of said cross arm and passing around the generator casing.

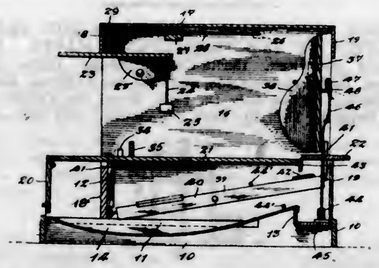
2. A windmill for generating electric energy comprising a supporting tower, a mill head rotatably mounted on said mill head and having a depending hollow spindle, a wind wheel and an electric generator connected with said wind wheel mounted on said mill head, the electrical conductors of said generator passing through said hollow spindle, a truing spider on said tower below said mill head rotatably engaging said spindle, a housing member secured to said spider and having a depending peripheral flange, a plate fitting within said flange secured to the lower end of said spindle and equipped with contact brushes electrically connected with said conductors, and contact rings cooperating with said brushes secured to said housing on the inside thereof.

1,589,829. PACKING FOR UNIVERSAL JOINTS. LARS ANDREASSEN, Providence, R. I. Filed Sept. 23, 1922. Serial No. 590,208. 4 Claims. (Cl. 286—15.)



3. A packing for a universal joint in combination with a pair of casing members in which the ball end of one works in the socket of the other, of a packing ring at the edge of the socket member and about the bearing surface of the ball member, a plurality of segmental members, and adjustable means acting upon said members for applying a yieldable circular pressure to the packing.

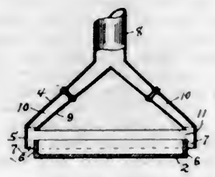
1,589,830. TRAP-NEST CONSTRUCTION. STEPHEN AVILA, New Bedford, Mass. Filed June 20, 1924. Serial No. 721,227. 9 Claims. (Cl. 119—47.)



3. In a device of the character described, a housing, a vertically movable floor therein, a bell crank lever having one arm connected to the floor and the other to a resilient element whereby the floor will be yieldingly held

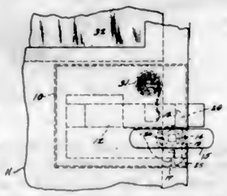
in raised position, a pivoted closure for the housing tending to swing to closed position by gravity, a horizontal lever having one end connected with the bell crank to be held yieldingly in initial position, and the other end connected to said pivoted closure to hold the latter in open position and movable by operation of the floor to permit closing of the said pivoted closure.

1,589,831. DUST-COLLECTING APPARATUS. GEORGE POMEROY BARTHOLOMEW, Essex Fells, N. J. Filed Mar. 5, 1923. Serial No. 622,731. 2 Claims. (Cl. 98—55.)



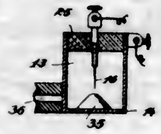
1. In combination with machinery of the class described including a dust forming member, a baffle positioned over said member in close proximity thereto, there being a passageway between the outer marginal edges of the baffle and member; a bonnet extending over the baffle; a pendant rim along the outer marginal edges of the bonnet telescoping said member, there being a passageway affording communication between the exterior atmosphere and the bonnet between the rim and said member; and an air exhaust connection with said bonnet.

1,589,832. COACH-DOOR LATCH. SIGMOND F. BECK, New Haven, Conn. Filed Feb. 8, 1924. Serial No. 691,383. 6 Claims. (Cl. 292—169.)



1. In a latch, a sliding bolt, a rotatable spindle, a bushing secured to said spindle, a lug carried by said bushing, a pair of relatively movable followers provided with wing projections extending in opposite directions and adapted to engage said bolt to retract the same, and shoulders carried by each of said followers in the path of movement of said lug and facing in opposite directions.

1,589,833. MEASURING DEVICE FOR THE EXAMINATION OF ELECTROMAGNETIC WAVES. HERMANN BEHNKEN, Berlin-Charlottenburg, GEORG JAECKEL, Berlin-Lichterfelde, and WALTER KUTZNER, Berlin, Germany. Filed July 13, 1925, Serial No. 43,269, and in Germany Dec. 21, 1923. 6 Claims. (Cl. 250—34.)

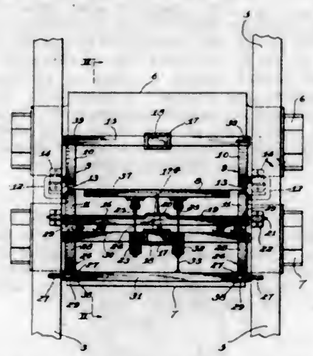


1. A discharge counting chamber for measuring devices for the analysis of electromagnetic waves, especially X-rays, comprising a casing, a highly insulated needle point in the said casing, a body arranged directly opposite to the said needle point and a channel for the admission of the rays into the chamber, said channel being located in the said casing wall in such a manner that the rays will hit the said body and discharge the loaded particles.

1,589,834. FILTER PRESS. FRANK J. BISBEE, Noble, Pa. Filed Jan. 12, 1925. Serial No. 1,950. 4 Claims. (Cl. 210—188.)

1. In a filter press, a longitudinal unobstructed support, a series of filter plates disposed face to face and abutting on said support and movable longitudinally thereon, said plates being arranged to be moved to open position by separating the same one from another toward one end, stationary abutments disposed near each end of said support and arranged to alternately constitute abutments, toward which all of said plates may be moved, movable heads mounted near the ends of said support and thrust means arranged to severally actuate said movable heads and thereby move said plate toward the stationary head near the opposite end of said support.

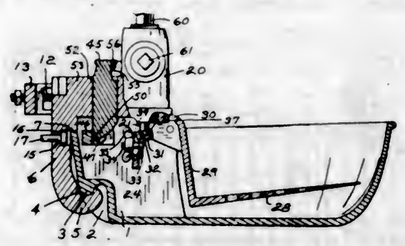
1,589,835. ROLL-POLISHING MECHANISM. IRVIN J. BLOSE, Washington, Pa. Filed Nov. 5, 1925. Serial No. 67,104. 5 Claims. (Cl. 80—1.)



1. The combination with a rolling mill having housings and upper and lower rolls in the housings, of a polishing mechanism including a lever on the inner faces of the housings having two arms, one of which extends upwardly and forwardly and the other of which extends downwardly and forwardly, the said lever having a laterally extending portion extending into the openings in the roll housings, said laterally extending portion connecting the two arms, means for pivotally supporting the laterally extending portion of each lever, a cross bar connecting the upwardly extending arms, a polishing stone on the cross bar, and a counterweight operatively connected with the downwardly extending arms of the lever, substantially as described.

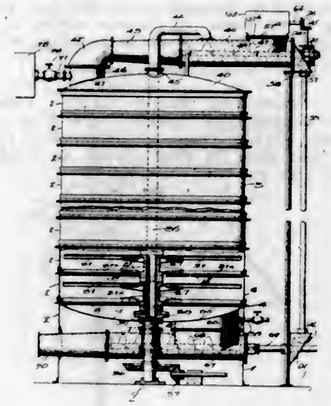
1,589,836. DETACHABLE STOCK-WATERING BOWL. MICHAEL B. BULGER, Beaver Dam, Wis. Filed Nov. 17, 1924. Serial No. 750,328. 7 Claims. (Cl. 119—75.)

3. In a stock waterer, the combination with a drinking bowl having laterally projecting open bearings, a lever having spaced side plates provided with studs engageable in said open bearings, a nose piece in one portion of the bowl operatively connected with said lever, and means for delivering water into another portion of the bowl between the side plates and controlled by said



lever, a portion of the lever between the nose piece and the side plates being adapted to serve as a baffle to prevent the incoming water from splashing into the portion of the bowl above the nose piece.

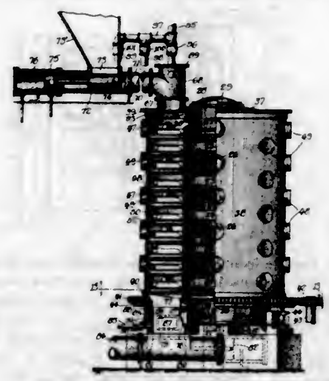
1,589,837. APPARATUS FOR EXTRACTING ROSIN AND TURPENTINE FROM WOOD. MCGARVEY CLINE, Jacksonville, Fla. Filed Aug. 25, 1922. Serial No. 584,261. 6 Claims. (Cl. 203—6.)



1. A device for extracting the resinous content from finely divided wood, comprising a retort, means for charging the retort with finely divided wood, means for progressively forcing the wood through the retort, means for admitting steam into contact with the wood in said charging means, means for admitting steam at the bottom of the retort into contact with the wood passing through the latter, means for discharging the wood from the retort, means for conducting steam from said charging means directly into the bottom of the retort, and means for conducting the resinous-laden steam from the retort.

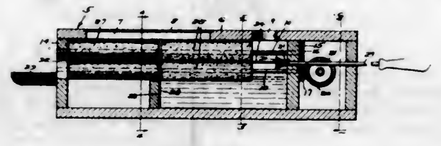
1,589,838. APPARATUS FOR EXTRACTING VOLATILE OILS FROM SOLID SUBSTANCES. MCGARVEY CLINE, Jacksonville, Fla. Filed Aug. 24, 1923. Serial No. 659,041. 18 Claims. (Cl. 203—6.)

1. In a retort for distilling oil from solid substances, the combination of a series of spaced superposed stationary plates, a rotatable shell surrounding said plates, scrapers resting on said plates and connected to and adapted to be driven by said shell, means for admitting the material to be treated onto the top plate of the series, means for passing the material from each plate



to the next underlying plate, means for heating the material, and means for discharging the material from the lower end of the retort.

1,589,839. GOLF-BALL-WASHING APPARATUS. JAMES R. CONKLIN, Pittsburg, Kans. Filed May 14, 1925. Serial No. 30,233. 11 Claims. (Cl. 15—21.)



1. In a golf ball washing machine, the combination with a plurality of brushes arranged side by side, of means for rotating said brushes and an ejector rod for thrusting the golf balls longitudinally with respect to said brushes.

1,589,840. CLEANING COMPOUND. ANTON CYRCZAK, Green Bay, Wis. Filed Mar. 16, 1925. Serial No. 16,064. 1 Claim. (Cl. 87—5.)

A cleaning compound formed by mixing the following ingredients in substantially the proportions stated: 5 pints of water, 4 ounces of oxalic acid, 8 drops of turpentine, ¼ ounce of magnesia powder, 1 pint 12 ounces of white vinegar, 1 pint of 20% ammonia.

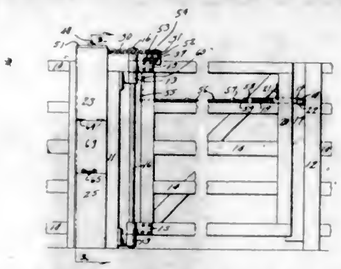
1,589,841. PROCESS OF COATING WITH METAL. JOHN A. DALY, New Rochelle, N. Y. Filed Nov. 6, 1925. Serial No. 67,459. 5 Claims. Cl. 91—68.2.

2. The process of coating an article with metal, which comprises applying a sticky coating to the article, applying a layer of particles in finely divided condition comprising different metals by mechanical means upon said coating, and electroplating said thus treated article to deposit a continuous and impervious coating of metal thereupon.

1,589,842. GATE. DANIEL H. DAVIS, Marshalltown, Iowa, assignor to Peter N. Anderson, Marshalltown, Iowa. Filed Sept. 10, 1925. Serial No. 55,520. 3 Claims. (Cl. 39—34.)

1. A gate of the class described, comprising a hollow gate post, a gate swingably mounted thereon, a pulley on

said gate, a cable secured to said pulley and having its ends extending into said post, a weight slidably mounted



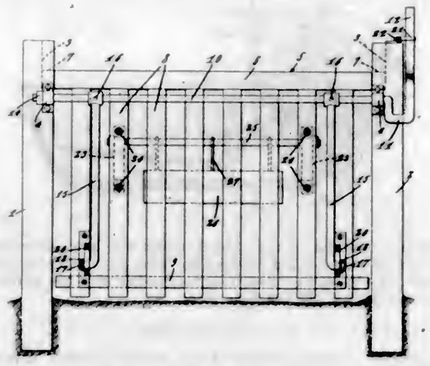
in said post, a control cord for raising said weight and means for automatically causing alternate engagement between said weight and the ends of said cable.

1,589,843. SOLDERING IRON. JOSEPH A. DE LISLE, Chicago, Ill. Filed Oct. 16, 1924. Serial No. 744,029. 1 Claim. (Cl. 219—28.)

An electric soldering iron comprising a head having an integral shank, said head being circumferentially grooved and having a longitudinal groove extending from the circumferential groove portion to its innermost end, a coil of resistance wire disposed in said circumferential groove portion and having one end extending to a handle through said longitudinal groove and insulated from said head, a shield about said groove, an insulating sheet intermediate said shield and said coil of resistance wire, the other end of said resistance coil being electrically connected to said shank, said shank having a covering of a heat-resisting dielectric, a handle of insulating material provided with longitudinal slots upon said shank, and wires to a source of electromotive force in said slots.

1,589,844. FLOOD GATE. GUY E. DICK, Delphi, Ind., assignor of one-half to Charles J. Weaver, Delphi, Ind. Filed May 3, 1923. Serial No. 636,403. 1 Claim. (Cl. 39—4.)

In a device of the class described, posts provided upon their inner sides with bearings which open through the upper ends of the posts, a gate having trunnions mounted to rock in the bearings, a shaft mounted to rock on the posts, an arm rigidly secured to the shaft, means on the gate for receiving a portion of the arm slidably and pivotally, the shaft having a crank arm which extends upwardly along the outside of one post, a latch on said post and cooperating with the crank arm, a weight, and means for mounting the weight on the gate in offset relation thereto, whereby the weight will tend to swing the gate toward on open position for movement responsive to the flowing water, when the latch is dis-

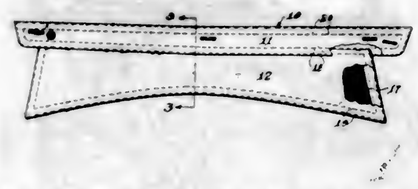


engaged from the crank arm, and whereby the weight will also aid in starting the gate toward an open position when the gate is manipulated by an operator and when the latch is disengaged from the crank arm, the mounting of the weight on the gate serving to aid in holding the trunnions of the gate in the bearing seats.

1,589,845. ELECTRIC FLOOR LAMP. JOSEPH C. FAETH, Meriden, Conn., assignor to The H. E. Rainaud Company, Meriden, Conn., a Corporation of Connecticut. Filed Mar. 29, 1924. Serial No. 702,802. 6 Claims. (Cl. 240—81.)

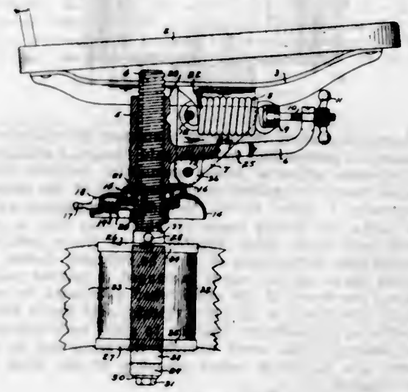
1. In a swivel support for an electric lamp, a base, a hollow supporting post mounted on said base, a tube surrounding said post, the top of said post extending above said tube, a collar resting on said tube around said post, a swivel stud seated in said collar and threaded on said post, a lamp-holding bridge arm fitted over said stud and rotatably engaging said collar, a conductor for supplying current to said lamp, and means for preventing said bridge arm from rotating more than one revolution whereby said conductor will be prevented from injury.

1,589,846. SOFT COLLAR. JACOB M. GREENBERG, New York, N. Y. Filed Dec. 12, 1925. Serial No. 74,987. 3 Claims. (Cl. 2—131.)



3. A soft collar having inside and outside cloth pieces and a woven interlining therebetween, said interlining comprising spun vegetable warp threads extending longitudinally of said cloth pieces and twisted animal weft threads extending transversely of said cloth pieces whereby the collar is spread transversely.

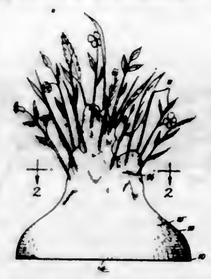
1,589,847. CHAIR. OSWALD H. HANSEN, Port Washington, Wis., assignor to Gilson Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Filed Nov. 15, 1920. Serial No. 424,015. 15 Claims. (Cl. 155—77.)



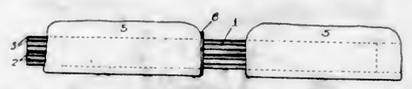
1. In combination, a base, a standard supported by said base, a bracket element supported by said standard, a spreader element pivoted to said bracket element in front of said standard, and a substantially horizontal spring connecting said elements, the outer end of said spring being connected to one of said elements in front of said standard and the inner end of said spring being connected to the other of said elements between said standard and said outer spring end.

1,589,848. METHOD OF MAKING AND MEANS FOR SUPPORTING ARTIFICIAL FLOWERS AND THE LIKE. REBECCA HARRISON, New York, N. Y. Filed Jan. 4, 1926. Serial No. 79,117. 2 Claims. (Cl. 41—12.)

1. The method of supporting artificial flowers and the like, which consists of forming in a fanciful design a self-standing base of a mixture of meltable plastic material and a substance for rendering hardness and weight to the base and in which the stems of the flowers are embedded in a portion thereof in selective arrangement during the fashioning of the base from the material while in a condition of plasticity, then melting a film portion of the surface of the base surrounding the flower stems and applying to the melted film portion selective decorative articles.

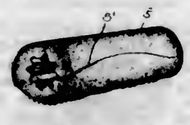


1,589,849. DEVICE FOR MAKING TUBULAR FARINACEOUS ROLLS. CHARLES RAY HASKELL, Youngstown, N. Y., assignor to Haskell Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Feb. 19, 1925. Serial No. 10,359. 9 Claims. (Cl. 53—6.)



1. A device for making tubular farinaceous rolls consisting of a former having longitudinal grooves for accumulating thereon the dough in tubular form and uniting the longitudinal joint thereof, said longitudinal grooves being adapted to facilitate the tubular roll being removed endwise from said former.

1,589,850. FARINACEOUS TUBULAR ROLL. CHARLES RAY HASKELL, Youngstown, N. Y., assignor to Haskell Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Feb. 19, 1925. Serial No. 10,360. 2 Claims. (Cl. 99—10.)



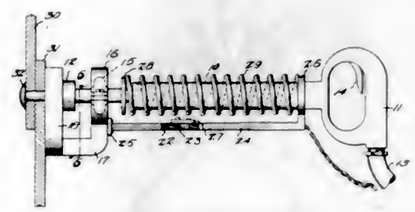
1. An elongated tubular farinaceous roll, having a straight open-end longitudinal bore wherein a sausage or other filling is adapted to be inserted, the surface of said bore being provided with a longitudinal recess to receive and hold a condiment.

2. An elongated tubular farinaceous roll, having a straight open-end longitudinal bore wherein a sausage or other filling is adapted to be inserted, the surface of said bore being provided with a continuous series of longitudinal corrugations extending around the same and providing longitudinal recesses to receive and hold a condiment.

1,589,851. RIVETING DEVICE. JOSEPH B. HAVRILLA, Homestead, Pa. Filed Feb. 7, 1925. Serial No. 7,662. 5 Claims. (Cl. 78—50.)

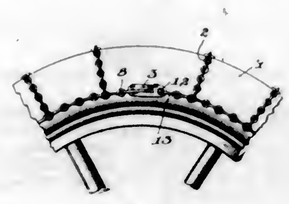
1. In an electromagnetic tool support a U-shaped magnet adapted to contact with a metallic surface, an L-shaped supporting arm formed integral with the U-shaped magnet and extending rearwardly therefrom, a socket formed with the upper end of the arm and dis-

posed in horizontal alignment with the space between the two legs of the magnet, a reciprocable tool movable between the legs of the magnet, a ball member formed



thereon and mounted in said socket, a bar carried by the L-shaped arm and extending parallel to the tool, and a collar formed with the outer end of the bar and supporting part of the tool.

1,589,852. TIRE-CHAIN FASTENER. EARL HENDERSON, Grafton, W. Va. Filed Feb. 26, 1926. Serial No. 90,971. 6 Claims. (Cl. 24—242.)



1. A chain fastener including a casing, means for anchoring a chain to one end thereof, a latch pivotally and slidably connected to said casing, and means on said latch for engaging over a portion of said chain anchoring means.

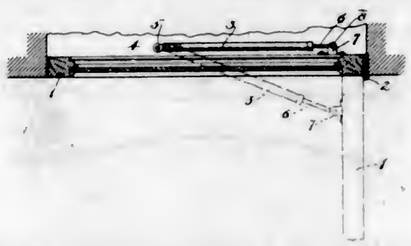
1,589,853. PROCESS FOR MANUFACTURING YEAST FOAM MALTED MILK AND PRODUCT THEREOF. CHARLES B. HILL, Glencoe, and MAURICE H. GIVENS, Evanston, Ill., assignors to Northwestern Yeast Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1925. Serial No. 2,296. 7 Claims. (Cl. 99—11.)

5. The process of making a food product, consisting in treating a gelatinized cereal with malt enzymes to produce a nutrient medium, reacting on the resulting product with yeast, adding milk and then reducing the product to a dry state by the use of sufficiently high temperature to thereby destroy the fermenting power of the yeast.

7. A food product of the character described, consisting of a yeast-fermented-malt-treated-gelatinized-cereal combined with milk.

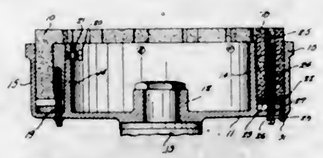
1,589,854. ADJUSTER FOR CASEMENT WINDOWS AND THE LIKE. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 3, 1926. Serial No. 85,792. 6 Claims. (Cl. 292—275.)

1. In a holder of the character described, a tube, a rod slidable therein, a pair of friction shoes, a screw thread connection between said shoes and the inner end of said rod, wedging means between said shoes for sep-



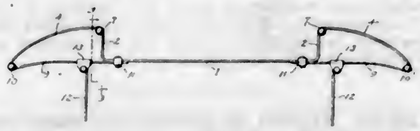
arating the same, said wedging means being operable by the rotation of said rod within said shoes.

1,589,855. SECTIONAL GRINDING WHEEL. ELWIN R. HYDE, Bridgeport, Conn., assignor to The Bridgeport Safety Emery Wheel Company, Incorporated, Bridgeport, Conn. Filed Mar. 10, 1925. Serial No. 14,372. 1 Claim. (Cl. 51—209.)



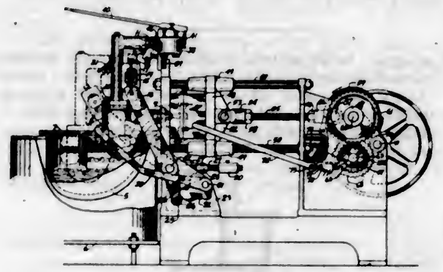
A grinding wheel comprising a support having spaced flanges and perforations between said flanges, a plurality of separate grinding blocks mountable between the flanges, means for adjusting the positions of the blocks comprising a screw having threaded engagement with the blocks and having heads by which they may be rotated, said heads being adapted to be freely inserted through said perforations so as to be rotatable therein, a locking device on the support arranged to prevent longitudinal movement of the screw when so rotated to permit of adjustment of the block thereby, said device being movable to an ineffective position to allow such insertion and removal of the screw whereby the screw can be inserted into the block before assembly of the block in the support.

1,589,856. BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 20, 1924. Serial No. 733,136. 9 Claims. (Cl. 293—55.)



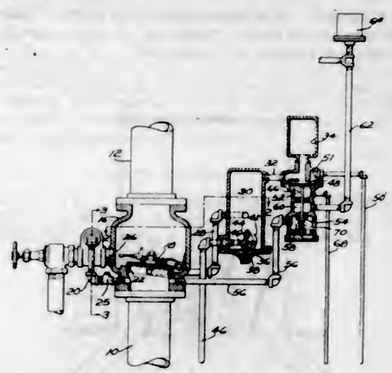
9. A bumper comprising a bar adapted to extend across the rear of the vehicle, a pair of looped fender guards each extending outwardly from the said bar and each having a bar extending inwardly from the outer end thereof, and means movably connecting the inner end of each of the last mentioned bars to the first mentioned bar.

1,589,857. DIE-CASTING MACHINE. MORRIS KATCHER, Brooklyn, and HARRY BRUDNEY, New York, N. Y. Filed Aug. 26, 1922. Serial No. 584,506. 32 Claims. (Cl. 22—69.)



1. In casting apparatus, the combination of a molten metal container, a source of fluid pressure, a die having a gate opening, a carrier device formed with a hollow interior, an opening in said carrier from its interior adapted to serve as a mouth for the reception and discharge of the molten metal and another opening in said carrier from its interior adapted to serve as a fluid pressure inlet, said carrier being suitably mounted and formed to permit the submergence of its mouth in the molten metal and the removal of its fluid pressure inlet from the source of fluid pressure in one position and in another position to permit the simultaneous registration of its mouth with said gate opening and its other opening with the source of fluid pressure and means independent of the die for effecting said changes of position of the carrier.

1,589,858. ALARM-ACTUATING APPARATUS. WILLIAM A. KENNEDY, Providence, R. I., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Oct. 31, 1922. Serial No. 598,126. 7 Claims. (Cl. 169—23.)



1. The combination with a pressure storage chamber and a passage thereto from a liquid pressure supply, of means in said passage for discharging small flow of liquid therethrough, automatically closable upon large flow, whereby liquid accumulates in said chamber; an independent source of energy; control means actuated by said accumulation for causing release of said independent source of energy; and means for restricted discharge from said chamber, whereby upon cessation of flow in said passage said accumulation is slowly discharged and said control means are permitted to cut off said independent energy source.

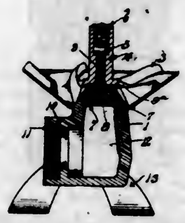
1,589,859. MOTOR-VEHICLE-SPRING SUSPENSION SYSTEM. STANLEY W. NELSON, San Francisco, Calif. Filed Aug. 8, 1925. Serial No. 48,931. 2 Claims. (Cl. 280—104.)

1. In combination with the supporting axles of a vehicle of a plurality of arms pivotally mounted thereon, springs to hold said arms resiliently in a given position, supports extending from said arms to another set of arms substantially at right angles to the first arms, springs to hold the latter arms resiliently in a given position, and a vehicle frame to which the latter arms are pivotally connected.

1,589,860. FISH LURE. ELIAS OLIVER PEALER, Utica, N. Y., assignor of one-half to Margaret Perisi, Utica, N. Y. Filed July 21, 1925. Serial No. 45,100. 6 Claims. (Cl. 43—42.)

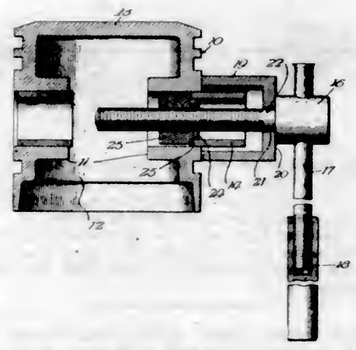
3. A fishing spoon comprising an oblong metal body having front and rear portions of spoon-shaped form converging toward and merging into an intermediate connecting portion of reduced width arranged slightly below the plane of said spoon-shaped portions, which extend upwardly therefrom in opposite directions; said intermediate portion having laterally projecting wings or fins which extend downwardly at an oblique angle to said body.

1,589,861. LAWN SPRINKLER. JACK W. PUTERBAUGH, Cincinnati, Ohio. Filed Aug. 23, 1922. Serial No. 583,815. 5 Claims. (Cl. 299—126.)



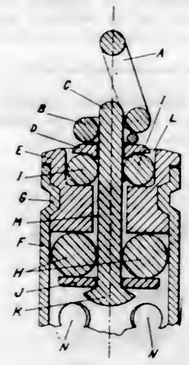
1. In a lawn sprinkler, the combination with a hose coupling having a vertically disposed conical boss, of a concave rotary member curved upwardly with internal spiral ribs mounted on the conical boss, said conical boss having a plurality of outwardly inclined discharge ports, said ports of sufficiently reduced size to greatly increase the velocity of water passing through the sprinkler and so directed as to discharge the water against the spiral ribs upwardly and the rotary member provided with an elongated vertically disposed hub with a central spindle upon which the hub rotates secured to the center of the top of the conical boss, and said central spindle provided with a shoulder for a bearing against upward thrust of the rotary member.

1,589,862. TOOL FOR EXTRACTING AND REPLACING BUSHINGS. JOHN J. QUINT, Topeka, Kans., assignor of one-third to William C. McDonough, Topeka, Kans. Filed June 22, 1923. Serial No. 647,088. 1 Claim. (Cl. 29—88.2.)



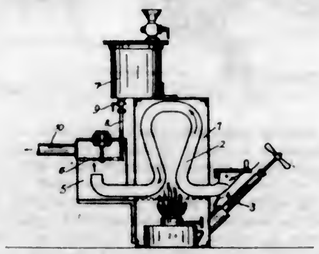
A tool for extracting a bushing from a piston bearing comprising a threaded shaft having an operating head at one end, a cup-shaped element loose on the shaft and co-axial with the shaft and freely rotatable thereon, the bottom of said element engaging directly with said head and the mouth of said element being directed toward the free end of said shaft, and a nut smaller in diameter than the external diameter of said bushing engaged with the free end of said shaft.

1,589,863. SWIVEL FOR USE IN FISHING TACKLE. JOANNÈS ROBIN, Lyon, France. Filed Mar. 12, 1925, Serial No. 15,119, and in France Mar. 24, 1924. 1 Claim. (Cl. 59—95.)



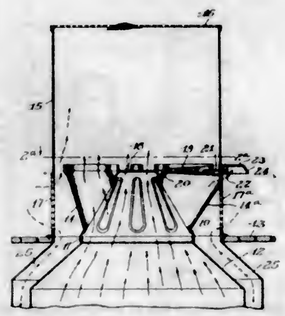
A swivel for fishing tackle comprising in combination two end members each of which is provided with a central perforation with a recess at the outer end, and with a circumferential groove on the outside, a sleeve connecting the said end members and pressed into the said grooves to hold the end members from longitudinal movement in the sleeve, a pin passing through the central perforation in each of the said end members, and terminating at one end in an enlarged head coming in the interior of the sleeve, a washer on the said pin coming between the enlarged head and the associated end members, balls forming a ball bearing interposed between the said washer and the inner surface of the end member and the sleeve, other balls located in the recess in the end member, a perforated collar around the pin and coming above the last mentioned balls on the exterior of the sleeve, a loop at the outer and other end of the pin for attachment to a fishing line and a twist of wire around the pin above the perforated collar for holding the said collar in position and formed from the integral outer extremity of the pin for the purposes set forth.

1,589,864. DEVICE FOR THE STARTING OF INTERNAL-COMBUSTION ENGINES IN COLD AIR. OSKAR ALBAN SCHNEIDER, Thum, Germany. Filed Aug. 11, 1924, Serial No. 731,472, and in Germany Nov. 3, 1923. 1 Claim. (Cl. 283—18.)



A device for the starting of internal combustion engines in cold air with the aid of compressed air designed to force the starting mixture to the engine, comprising in combination a heatable vessel arranged outside the engine, an air tube in said vessel in which the air is heated, and means for conducting said heated air to the carburetor of the engine, a propeller over the outlet end of said air tube, a benzine reservoir above said propeller and means for supplying benzine from said reservoir onto said propeller so that the hot air from the air tube is saturated with benzine and a mixture of benzine gas and air is supplied to the carburetor of the engine.

1,589,865. AIR-TEMPERING DEVICE. JOHN E. SELTZER, Flint, Mich. Filed July 15, 1925. Serial No. 43,798. 7 Claims. (Cl. 98—50.)



1. The combination with a wall of a room and a hot air pipe leading to an opening in said wall, of a distributor adapted to receive the heated air from said pipe having a plurality of flues arranged to divide and discharge the heated air outwardly from the center of the pipe in separate currents, and a casing surrounding the distributor having openings through which said hot air currents are adapted to draw air from the room whereby to effectively mix the latter with the heated air.

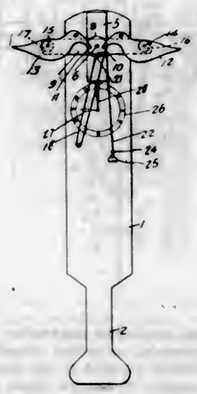
1,589,866. INSECTICIDE AND PROCESS OF PREPARING THE SAME. EDOUARD HORACE SIEGLER, Takoma Park, and CHARLES HOLCOMB POPENOE, Silver Spring, Md. Filed Nov. 17, 1924. Serial No. 750,447. 22 Claims. (Cl. 167—6.)

2. An insecticide containing free lauric acid in an amount sufficient to impart the properties of the acid thereto.

5. An insecticide, containing as an active toxic ingredient any free aliphatic acid having more than four carbon atoms in the radicle attached to the carboxyl group.

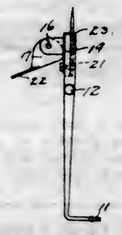
21. A method of destroying plant parasites by bringing them into contact with a composition of matter containing in the free condition any normal monobasic aliphatic acid containing more than four carbon atoms in the radicle attached to the carboxyl group.

1,589,867. TOY. ALBERT STAPLEY, Belleville, Ontario, Canada. Filed Feb. 25, 1926. Serial No. 90,660. 2 Claims. (Cl. 46—40.)



1. A toy comprising a bat like support, a shaft extending outward therefrom, a teeter bar secured to the shaft centrally of its length, pins extending outward from the bar at each side of its centre, bird members pivotally mounted on the ends of the bar and having their beaks resting upon the aforesaid pins, and means for rapidly turning the shaft in opposite directions so as to give a teetering action to the bar and a pecking action to the birds against the pins.

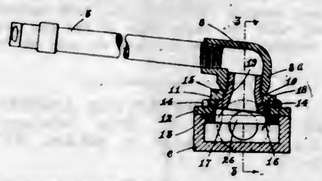
1,589,868. TALKING-MACHINE REPRODUCER. HARRY C. WENDLE, Seanor, Pa. Filed Apr. 14, 1922. Serial No. 552,589. 1 Claim. (Cl. 274—37.)



In a stylus bar for sound reproducers, a needle holder formed at one end of said bar and comprising a pair of laterally offset spaced pivot wings bent up from the body of the bar and providing a needle receiving groove therebetween, a resilient needle engaging member fastened to said bar at the inner end of the groove formed between said wings and arranged between said wings to frictionally grip a needle, and a cam pivotally mounted between said wings and adapted to contact with said resilient needle engaging member to force the same into holding engagement with a needle.

1,589,869. [WITHDRAWN.]

1,589,870. SOOT-BLOWER-TUBE MOUNTING. BRADFORD L. AMES, Boston, Mass. Filed Aug. 19, 1921. Serial No. 493,568. 2 Claims. (Cl. 122—392.)



1. In combination with a water-tube boiler, a steam supply pipe, a branch member communicating therewith having an outlet opening, a curbing surrounding said outlet having at its inner end an outwardly extending peripheral flange detachably secured to the outer face of said branch member, said curbing having at its outer end an inwardly extending flange provided with a facing parallel with the plane of the pitch of the boiler tubes, a tubular rotor having a swivel connection with said facing for turning on said facing, an elbow having one arm secured to the outer end of said rotor, and a nozzle tube secured to the end of the other arm of said elbow, whereby when the said rotor rotates on its axis the nozzle tube will swing in a plane parallel with the planes of the boiler tubes, the combined nozzle tube, elbow, rotor and curbing being bodily removable as a unit by detaching the curbing from the said branch steam pipe.

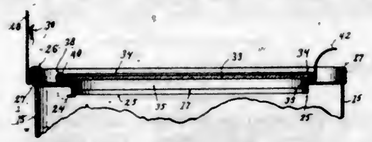
1,589,871. HUMIDIFIER. HENRY E. BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 5, 1922. Serial No. 605,057. 1 Claim. (Cl. 131—30.)

A humidifier comprising a sheet-metal mounting member having a plane upper face and integral downwardly and inwardly turned edges adapted to form supporting guideways to receive and detachably support a humidifier member, a relatively wide flange at one side edge of said mounting member adapted to enter and engage a recess in a show-case to detachably support the mounting member in contact with the inner face of the top of the show-case, and a humidifier member provided with a moisture absorbing member and with flanges to slidingly engage the guideways of said mounting member to detachably support said humidifier member from and relative to said mounting member.

1,589,872. DETACHABLE LID. HENRY E. BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 17, 1923. Serial No. 681,088. 5 Claims. (Cl. 220—82.)

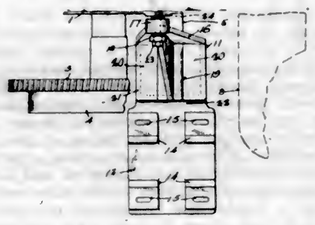
1. A detachable hinge supporting member adapted to be applied to the top of a can having a rim and an inwardly extending ledge, said hinge supporting member

comprising a hook-like member adapted to engage over the inner edge of the can ledge, a plate adapted to rest upon the can ledge, and a recessed member adapted to engage over the can rim, the parts having



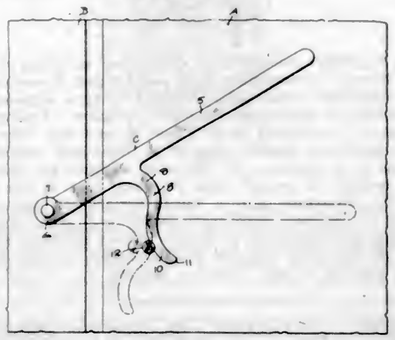
such resiliency and the recessed member being so related to the hook member that when the book member is in engagement with the inner edge of the can ledge, the recessed member may be snapped on and off from the can rim.

1,589,873. MOTOR SUPPORT FOR LINOTYPE MACHINES. FREDERICK W. ELLS, Milwaukee, Wis. Filed Dec. 4, 1922. Serial No. 604,648. 12 Claims. (Cl. 74—7.)



1. A typesetting machine motor support comprising a transversely shouldered base, an arm extending upwardly at the rear of the base and provided with vertically spaced means adapted to interact with supporting elements, and adapted for adjustment to align the base relative to said machine, and means for adjustably securing to said base a driving motor shouldered for interlocking engagement with the shoulders upon said base, said base and arm being adapted to support a motor with its shaft between said vertically spaced interacting means.

1,589,874. DOOR HOOK. WILLIAM A. EWING, Richland Center, Wis. Filed Aug. 22, 1925. Serial No. 51,722. 2 Claims. (Cl. 292—101.)

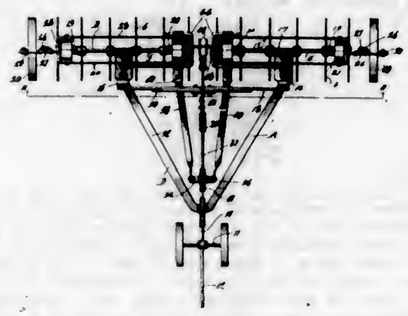


1. The combination with a door jamb and a sliding door, of a combined latch and door closer comprising a latch lever pivotally secured at its inner end to the door jamb and adapted to extend over one face of the door, a keeper including a shank secured to one face of the door adjacent to the inner edge thereof and below the pivot point of the lever having a head spaced from the mentioned face of the door, a depending arm carried by the lower edge of the lever at a point spaced from and adjacent to the pivot point of the lever including a rearwardly bowed arcuate portion and an inwardly bowed cam arm engaging said keeper.

1,589,875. PROCESS OF PRODUCING PRODUCTS HAVING A CRYSTALLINE APPEARANCE AND PRODUCTS THEREOF. CLARENCE N. FERGUSON, Ann Arbor, Mich. Filed May 5, 1922. Serial No. 558,762. 6 Claims. (Cl. 134—79.)

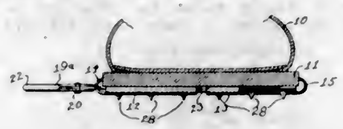
1. A water-insoluble film containing a cellulose ester and a crystallized organic compound presenting an opalescent, continuously crystalline formation.

1,589,876. HARROW. FRED A. FINCHAM, Blue Rapids, Kans. Filed Apr. 19, 1923. Serial No. 633,251. 3 Claims. (Cl. 55—73.)



1. An agricultural implement comprising a main frame including a transversely extending inverted U-shaped beam, bearings pivotally secured to the terminals of the transverse beam, gangs of harrow disks supported by said bearings, means supported by the main frame operatively connected with the inner ends of the gangs of harrow disks for changing the inclination of the said gangs relative to the line of draft, means for raising and lowering the inner ends of the gangs of harrow disks from said main frame and independent means for raising and lowering the outer ends of the gangs of harrow disks.

1,589,877. ICE CREEPER. ROBERT B. FOLEY, Waterbury, Conn. Filed June 22, 1925. Serial No. 38,708. 10 Claims. (Cl. 36—64.)



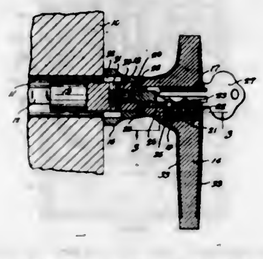
1. In an ice creeper, a body member, a pair of shoe-sole clamping members slidable on said body member, and a locking strip for locking said clamping members tightly engaged upon said shoe-sole.

1,589,878. MUSICAL CARD GAME. HENRY F. GILBERT, Cambridge, Mass. Filed Aug. 21, 1924. Serial No. 733,300. 6 Claims. (Cl. 283—47.)

1. A musical card game, comprising a deck of cards each having a musical measure extending inward from certain or all of the edges thereof and adapted to be placed in over-lapping relation to constitute a musical sentence or period, certain of said cards being distinctively marked to denote them for the fourth measure

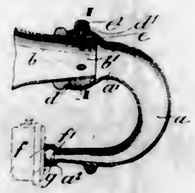
of the period, and others of said cards being distinctively marked to denote them for the eighth measure of the period.

1,589,879. LOCKING HANDLE FOR DOORS. JOSEPH GOODMAN, Whitneyville, Conn., assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn., a Corporation of Connecticut. Filed Feb. 17, 1925. Serial No. 9,777. 6 Claims. (Cl. 70—91.)



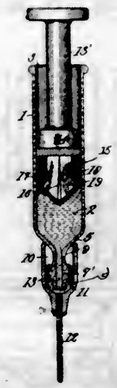
1. In combination, a door handle having a pair of overlapping cylindrical openings therein, a pin tumbler lock cylinder mounted to turn in one of said openings, a cylindrical plug mounted in the other opening at one side of said first opening and forming a holder for pin tumblers to coact with said cylinder, a movable locking pin, means coacting with the pin to lock the handle, and an operative connection from the cylinder to said pin.

1,589,880. SOUND DIRECTING OR AMPLIFYING HORN AND LIKE ACOUSTIC APPARATUS. EDWARD ALFRED GRAHAM, Brockley, London, England. Filed Sept. 17, 1923, Serial No. 663,300, and in Great Britain Mar. 27, 1923. 2 Claims. (Cl. 181—27.)



1. A sound directing or amplifying horn, a joint comprising a section formed with a socket the entrance to which is contracted in relation to a region intermediate of such entrance and the bottom of the socket, a bush of sound insulating material having an external surface complementary to that of the socket so that movement of the bush in a longitudinal direction, after insertion therein, is resisted, a second horn section having a spigot end adapted to fit plugwise in the bush aforesaid and means for connecting said sections and bush together.

1,589,881. AMPUL. GEORGE N. HEIN, San Francisco, Calif. Filed Aug. 30, 1924. Serial No. 735,125. 4 Claims. (Cl. 128—218.)

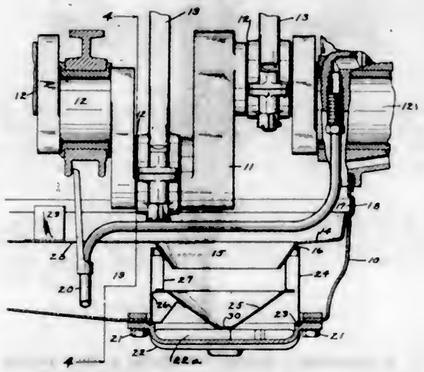


1. A hypodermic syringe comprising a tube having a tubular extension and adapted for reception within a tubular syringe needle base, and a piston for reciprocation within the tube to discharge the fluid therein through the needle, said piston provided with a circumferential flange and being longitudinally slotted to afford yieldable extensions, and an elastic packing enclosing the piston, the yieldable extensions and overlying said circumferential flange.

1,589,882. POSITIVE BLOOD-LETTING HYPODERMIC SYRINGE. GEORGE N. HEIN, San Francisco, Calif. Filed Feb. 19, 1925. Serial No. 10,194. 5 Claims. (Cl. 128—220.)

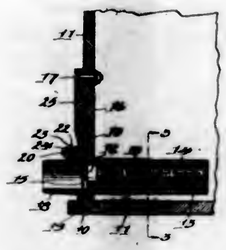
1. A blood letting hypodermic syringe including a barrel; a needle base; a hypodermic needle carried thereby, said barrel provided with a main discharge bore, and an auxiliary bore, said main discharge bore provided with a one way check valve, said auxiliary bore provided with a manually operated control valve, said discharge and auxiliary bores opening directly into the needle base; and a piston in the barrel adapted for the movement in one direction to draw fluid through the needle into the barrel through one of said bores.

1,589,883. INTERNAL-COMBUSTION ENGINE. KARL L. HERRMANN, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Aug. 12, 1925. Serial No. 49,758. 9 Claims. (Cl. 184—6.)



1. In an internal combustion engine, the combination with an oil pan and a splash pan, of an oil strainer mounted on said oil-pan for receiving oil from said splash pan comprising inner and outer vertically extending spaced screen members, a perforated funnel-shaped baffle closing the lower end of said inner screen, and a sediment pocket positioned below said baffle and said inner screen.

1,589,884. STRAINER FAUCET FOR CHURNS. ALBERT C. HOUGLAND, St. Paul, Minn., assignor to Crane Company of Minnesota, a Corporation of Minnesota. Filed Mar. 5, 1923. Serial No. 623,076. 1 Claim. (Cl. 137—21.)

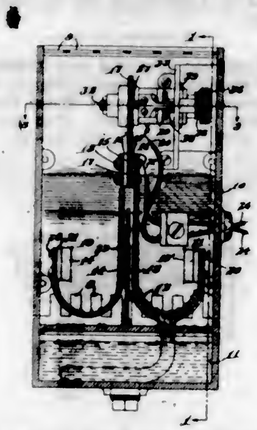


In a faucet for a cylindrical churn having an inset end and an outlet aperture in said end in close proximity to the inner periphery of the churn, an arm, a pivotal support for one end of said arm on the churn, a conduit disposed on the other end of said arm to register with said aperture, a flange adjacent to said conduit adapted to close said aperture, said flange being formed with an arcuate slot located between said conduit and pivotal support, a bolt secured to the churn and projecting through said slot in alignment with said aperture and with the pivotal support for said arm, and means on the projecting end of said bolt adapted to maintain said flange in frictional engagement with the churn near said aperture.

1,589,885. MOTOR FUEL AND INTERNAL-COMBUSTION OPERATION. FRANK ATHERTON HOWARD, Elizabeth, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Aug. 16, 1920. Serial No. 403,656. 6 Claims. (Cl. 44—9.)

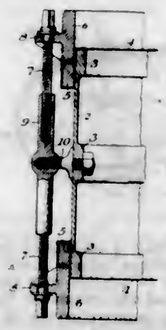
1. A motor fuel comprising a knock producing volatile hydrocarbon liquid containing absorbed ammonia.

1,589,886. HUMIDITY REGULATOR. ALBERT J. LOEPSINGER, Providence, R. I., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,807. 18 Claims. (Cl. 236—44.)



1. Apparatus of the class described comprising a pair of thermostats, one of which is exposed to dry bulb and one to wet bulb temperatures, arranged with their kinetic ends secured together and opposing each other, thereby constituting a kinetic base expressing wet bulb depression combined with a thermostat mounted on said base.

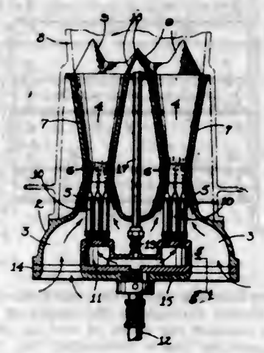
1,589,887. DRUM. GEORGE H. LOGAN, Pittsburgh, Pa., assignor of one-fourth to Edward A. Horigan and one-fourth to Edward L. Horigan, both of Pittsburgh, Pa. Filed Dec. 26, 1922. Serial No. 609,154. 7 Claims. (Cl. 84—411.)



1. In a drum, a shell comprising a casting having integral reinforcing bands adjacent its upper and lower edges, substantially as described.

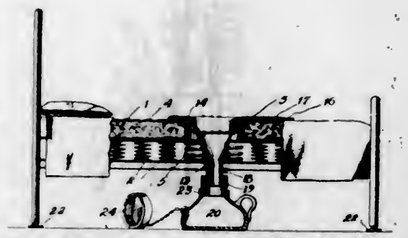
3. In a drum, a shell, a plurality of posts projecting outwardly therefrom, tightening sleeves carried by each of said posts, and means for producing positive adjustment between the shell and sleeves and for holding the sleeves in adjusted positions, substantially as described.

1,589,888. BLOWING APPARATUS. CHARLES W. LUMMIS, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 1, 1922. Serial No. 557,724. Renewed Oct. 9, 1925. 14 Claims. (Cl. 230—13.)



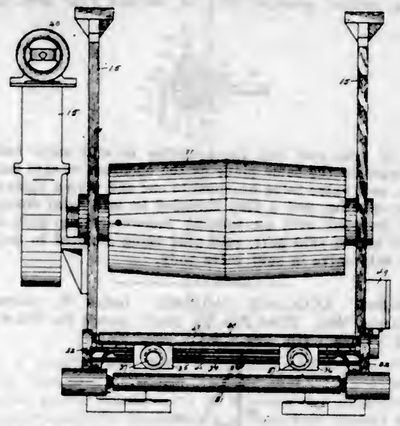
1. In blowing apparatus, the combination with a Venturi tube for propelling and propelled fluids, the inlet of said tube being in communication with an open chamber containing propelled fluid, of means for introducing the propelling fluid into the approach portion of said tube in a group of non-impinging jets, which jets issue entirely within the area of the Venturi throat after being confined through a major part of the length of the approach portion of the tube.

1,589,889. INVALID BED. GEORGE N. MAS and NELLIE ZAKI, Lynchburg, Va. Filed May 10, 1924. Serial No. 712,250. 4 Claims. (Cl. 5—91.)



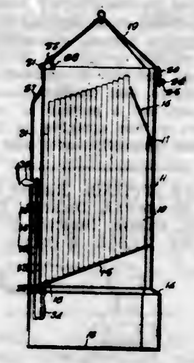
1. In an invalid bed, the combination with a mattress provided with an opening therethrough, of an annular telescoping resilient member for supporting the mattress at the edge of said opening, a tubular member positioned in said opening, a receiving vessel and a telescoping connection between said tubular member and receiving vessel.

1,589,890. STRETCHING APPARATUS. GEORGE L. MATHER, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1922. Serial No. 542,163. 8 Claims. (Cl. 26—54.)



1. A device for imparting uniform stretch to fabric comprising means to impart longitudinal tension to a moving web of fabric, means to vary the amount of tension imparted thereby and means engaging the edges of the fabric to control said last named means.

1,589,891. STRAW DISPENSER. ANGELO MAZZONI and YONEKICHI FUJISHIN, Bearcreek, Mont. Filed May 1, 1925. Serial No. 27,235. 7 Claims. (Cl. 211—8.)

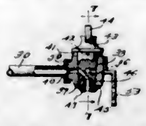


1. A soda straw dispensing device comprising a body triangular shaped in plan, a false bottom disposed within the body arranged at an incline to the horizontal with its lowermost end facing the front end of the body, means normally urging the straws in the body toward the front end of the body, the upper end of the body being provided adjacent its forward end with a dispensing opening, and means for moving one straw at a time from the body through the opening.

1,589,892. VALVE. CLARENCE S. MOORE, Lexington, Ky. Filed Sept. 28, 1925. Serial No. 59,197. 1 Claim. (Cl. 251—108.)

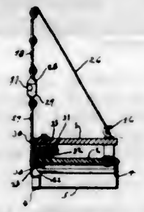
A device of the character described comprising a substantially cylindrical valve body provided in its sides with an inlet opening and a pair of outlet openings arranged in the same plane at right angles to the axis

of said valve body, and a rotatable valve arranged in said valve body, said valve being provided with an opening extending diametrically therethrough and an opening extending halfway therethrough at right angles to and communicating with said last named opening, said valve being further provided with an inclined vent port, one



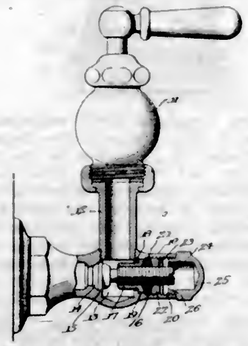
end of said port and the openings in said valve being arranged in the same plane as the openings in said valve body, said valve being provided in one end with a threaded axial opening, and a plug threaded in said axial opening and provided with an opening communicating with the other end of said port, said plug being adapted to maintain said valve in said valve body.

1,589,893. LUGGAGE CARRIER. LOUIS W. MOWRY, Racine, Wis. Filed Feb. 15, 1922. Serial No. 536,835. 12 Claims. (Cl. 224—29.)



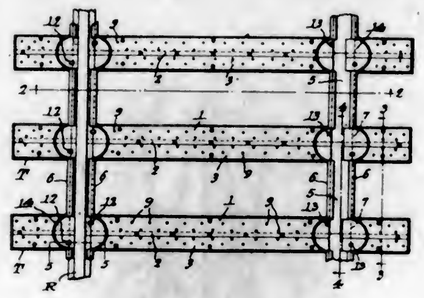
2. A luggage carrier including a frame having uprights respectively pivotally jointed on a common horizontal axis and connected by transversely extending members, said uprights providing stops limiting the pivotal movement in one direction beyond, a common plane including all portions of said uprights, a fixed support, means providing a hinged and sliding connection for the lower ends of said uprights, and tension means extending between said support and a portion of said frame above the pivotal joints of the uprights, said tension means having a releasable connection with said support.

1,589,894. VALVE FITTING. ROBERT H. MUELLER and CHESTER W. HATHAWAY, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed May 7, 1924. Serial No. 711,662. 6 Claims. (Cl. 251—49.)



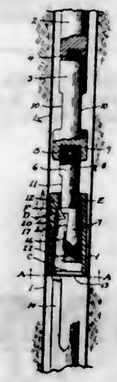
5. A fitting of the class described having an opening therethrough, a corrugated flange on the inner wall of said fitting, a valve seat formed in the fitting, a valve stem, a valve on said stem, a plug within said fitting provided with a corrugated surface adapted to engage the corrugations on said fitting flange to prevent rotation of said plug, the plug having an annular abutment adapted to engage the flange and prevent longitudinal movement thereof, a nut within the fitting on the valve stem, and a packing between said plug and said nut.

1,589,895. RAILWAY-TIE PLATE. JESSE B. PICKELSIMER, Brevard, N. C. Filed Oct. 24, 1925. Serial No. 65,736. 3 Claims. (Cl. 238—289.)



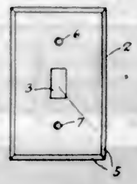
1. The combination with tie engaging plates, each adapted to extend throughout the length of an engaged tie and over one-half the width of said tie, of rail engaging and supporting plates connecting the tie engaging plates, and flanges extending throughout the length of the rail engaging and supporting plates for embracing the base flanges of rails on the plates.

1,589,896. FISHING TOOL FOR BROKEN JAR REINS. HARVEY G. RAPE, Wichita, Kans. Filed Oct. 22, 1923. Serial No. 670,122. 2 Claims. (Cl. 294—96.)



1. In a fishing tool for broken jar reins, a shank adapted to connect to a standard fishing tool, a grip stock on the pendant end of said shank, a shoulder on said grip stock, a socket loosely engaging on said shank and being supported by the shoulder of said grip stock, the said grip stock being housed by said socket, a toothed member slidably mounted in a race in said grip stock, the said socket and stock functioning as jaws when said toothed member engages the broken rein of a jar.

1,589,897. METHOD OF MAKING CURVED CASEIN PLATES. IRA L. REEVES, Newark, N. J. Filed Oct. 9, 1925. Serial No. 61,384. 3 Claims. (Cl. 18—48.)



1. A method which comprises the immersion of a plate of casein in a heated substance, removing the plate from the heated substance and then immersing in a cold substance.

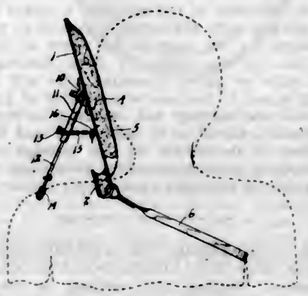
1,589,898. FLUSH PLATE AND THE LIKE AND METHOD OF MANUFACTURING THE SAME. IRA L. REEVES, Newark, N. J. Filed Oct. 22, 1925. Serial No. 64,191. 11 Claims. (Cl. 18—48.)

9. A method of making casein plates which includes the step of polishing the plates and simultaneously artificially warping them to curve them and predetermine their future warping tendency.

1,589,899. NECKTIE. O. C. RICHARDSON, Chicago, Ill. Filed July 19, 1922. Serial No. 575,987. 2 Claims. (Cl. 2—146.)

1. A necktie comprising a cover and a padding in the cover, the padding comprising layers united by an elastic stitching, the cover having overlapped edges united by another elastic stitching.

1,589,900. HEADREST. AXEL RINGBORG, Minot, N. Dak. Filed Oct. 20, 1923. Serial No. 669,700. 6 Claims. (Cl. 155—175.)

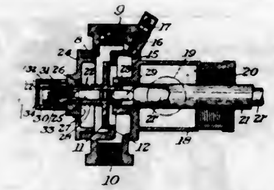


1. A rest device having in combination, a cushion rest member adapted to be disposed at the side of the wearer's head and formed to rest on one shoulder, an additional support extending from the rear of said rest downwardly in an inclined direction and to engage said shoulder outwardly of said rest.

1,589,901. RASP. LESLIE H. ROBERTS, Wichita, Kans. Filed Mar. 27, 1925. Serial No. 18,742. 3 Claims. (Cl. 29—78.)

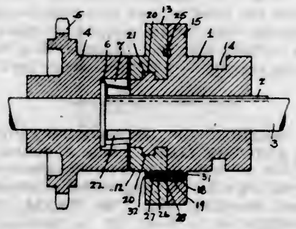
1. A metallic body for a rasp including a chisel-like, blank element at one end, concave in section; a head element at the opposite end as a means for attachment to power operative mechanism; a perforated central section and cutting elements removably secured in the perforations through said central portion.

1,589,902. THERMOSTATIC VALVE. FREDERICK W. ROBERTSHAW, Pittsburgh, Pa. Filed Jan. 29, 1924. Serial No 689,308. 12 Claims. (Cl. 236—33.)



1. In a thermostatic valve, a valve body having inlet and outlet openings, a valve controlling communication between said openings, a tubular stem projecting from opposite sides of said valve, means for guiding said stem, thermostatic means for operating the valve, and a packing pin slidably mounted in said tubular stem, said packing pin co-operating with said stem at one end and with said thermostatic means at its opposite end, substantially as described.

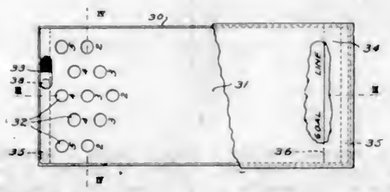
1,589,903. SAFETY DEVICE AND OPERATING MEANS. GILBERT WAYNE RUGGLES, Youngstown, Ohio. Filed Apr. 19, 1924. Serial No. 707,568. 5 Claims. (Cl. 192—56.)



1. An article of the character described, comprising a pair of flanged members having contacting faces, an annular groove formed in the face of each member and

registering with the groove in the adjacent member, a locking pin seated within apertures in each of said flanged members and extending through the respective grooves in the contacting faces thereof, recesses of greater depth than said grooves formed concentrically of said pins, a pair of annular bushings seated upon each pin within said respective recesses whereby upon application of a shearing stress to the line in which said members are mounted said pin will be sheared to release said members.

1,589,904. GAME. JOHN C. SCHILKE, Milwaukee, Wis. Filed Apr. 14, 1926. Serial No. 101,845. 5 Claims. (Cl. 273—113.)



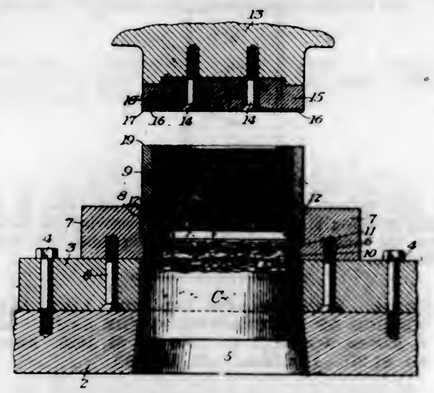
1. In a game, an inclined runway having an opening near its lower end, and an elongated object formed to tumble end over end along said runway and to set upright upon entering said opening, said object having its opposite ends distinctively marked and only one of said ends being visible when said object rests within said opening.

1,589,905. ELECTRIC DISCHARGE TUBE. JOHANNES MICHAEL SCHMIERER, Friedenau, near Berlin, Germany. Filed Sept. 1, 1921, Serial No. 497,576, and in Germany Apr. 30, 1920. 3 Claims. (Cl. 176—122.)

1. A glow lamp comprising a pair of cooperative electrodes, one of said electrodes consisting of a plurality of conducting sections of substantially different cathode sections of substantially different cathode drop characteristics, the section of said last-mentioned electrode disposed nearest the other of said electrodes being conductive at ordinary temperatures and characterized by relatively high cathode drop and the succeeding section or sections being characterized by successively lower cathode drop.

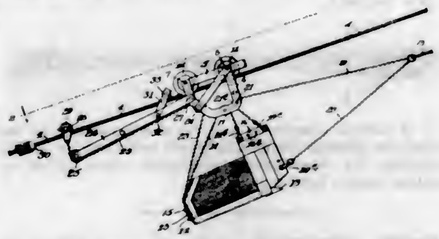
1,589,906. METHOD OF RECLAIMING PIPE COUPLINGS AND THE LIKE. PETER J. SHRUM, Monaca Heights, Pa., assignor to Colona Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 10, 1924. Serial No. 719,124. 3 Claims. (Cl. 29—156.)

1. The method of reclaiming pipe couplings or like articles, which includes pressing on the outer face of the coupling from substantially all radial directions, pressing the metal inwardly to a sufficient degree to break the threads from the article and increase the wall thickness for rethreading while allowing the metal free to



flow in a radial direction toward the longitudinal center of the article, and then rethreading the coupling, substantially as described.

1,589,907. MATERIAL-MOVING APPARATUS. GARRETT T. SMITH, Chicago, Ill., assignor to Sauerman Bros., Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1926. Serial No. 89,879. 8 Claims. (Cl. 37—117.)

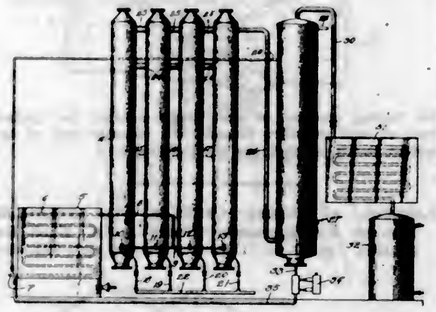


1. In apparatus of the character set forth, the combination of an inclined cable, a carriage movable thereon and provided with a rearwardly projecting extension pivoted to the body of the carriage, a bucket supported on said carriage with the center of gravity of the bucket, when loaded, in the rear of its point of support, a hauling line for the bucket, a block running on said cable, a cable, or chain, connected with said block and with said bucket to the rear of its center of gravity and movable on said carriage and extension, a stop on said inclined cable adapted to be engaged by said block upon the descent of the bucket on said inclined cable, and means engaging said extension for preventing downward swinging of said extension against said bucket.

1,589,908. CONVERSION OF HIGH-BOILING HYDROCARBON OILS INTO LOWER-BOILING OILS. PERRY J. SWEENY, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill., a Corporation of Indiana. Filed Jan. 11, 1926. Serial No. 80,565. 2 Claims. (Cl. 196—58.)

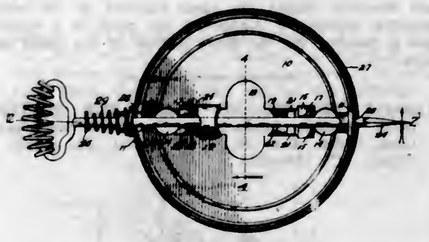
2. The method of producing low boiling point hydrocarbon oils in the gasoline range of boiling point from higher boiling hydrocarbon oils which comprises passing the higher boiling oil in continuous flow in a restricted

stream through a heating zone in which it is brought to conversion temperature, discharging the heated oil from said stream into one of a plurality of series connected enlarged chambers through which the oil is caused to flow at a slower rate while conversion temperature is maintained therein, pressure being maintained upon the system, withdrawing liquid products of conversion from another of said enlarged chambers remote from the one into which the oil is caused to flow from the heating



zone, continuing the flow of oil through the enlarged chambers until substantial coke and asphaltic depositions take place in the later ones of the series of enlarged chambers, and then changing the flow of oil from the heating zone to a chamber from which liquid products were previously withdrawn and withdrawing liquid products of conversion from a chamber into which oil was previously admitted from the heating zone, thereby reversing the flow of oil through the series of enlarged chambers.

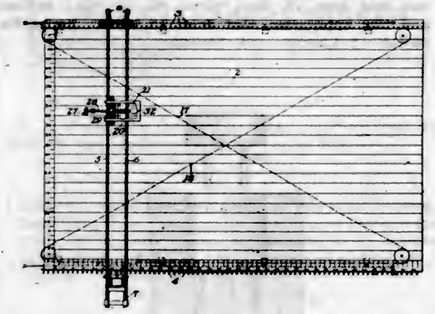
1,589,909. STOVE DAMPER. HENRY TSCHERNING, Freeport, Ill., assignor to Arcade Manufacturing Co., Freeport, Ill., a Corporation of Illinois. Filed Apr. 5, 1926. Serial No. 99,824. 3 Claims. (Cl. 126—282.)



1. In a damper device, the combination of a damper containing a substantially diametrically disposed opening for receiving a pivoting spindle, said spindle being provided with oppositely extending lateral projections and said damper being provided with inclined projection-engaging surfaces for engagement by said projections and inwardly of said surfaces with a surface against which the projection-equipped portion of said spindle is forced by engagement of said projections with said inclined surfaces.

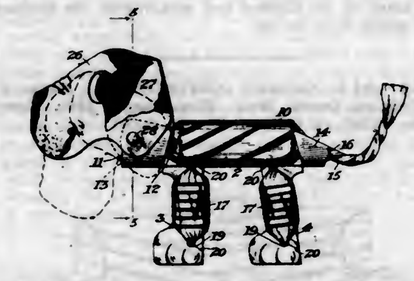
1,589,910. GLASS-CUTTING APPARATUS. JOHN WATERLOO, New Eagle, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Oct. 28, 1922. Serial No. 597,569. 2 Claims. (Cl. 33—32.)

1. The combination with a glass cutting table, of a bridge mounted to span the table, a cutter and a cutter support, the bridge comprising a pair of substantially parallel rods and the cutter support having means adapted to be snapped over said rods and make frictional en-



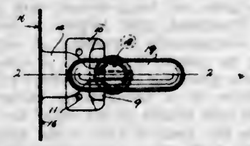
gagement therewith to hold the cutter support at any desired position along the bridge, substantially as described.

1,589,911. TOY ANIMAL. DOROTHY R. WATERS, New York, N. Y., assignor to Thomsen & Company, a Firm of New York, N. Y., composed of G. A. Feddersen, H. John Riedel, Charles A. Thomsen, and G. C. Feddersen. Filed June 14, 1924. Serial No. 719,994. 13 Claims. (Cl. 46—40.)



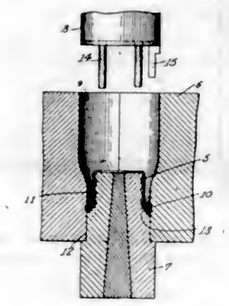
1. A toy animal, comprising a piece of cardboard or like material formed with a substantially horizontal body-supporting portion and legs depending from the edges thereof, a head member pivoted to the body supporting portion for movement, and a wrapped candy attached to the body supporting portion and constituting the body proper.

1,589,912. AUTOMOBILE HOOK LATCH. MAX L. WEISS, Brooklyn, N. Y. Filed June 23, 1924. Serial No. 721,706. 3 Claims. (Cl. 292—114.)



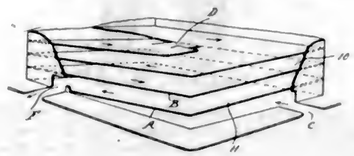
1. A latch as characterized comprising a tubular body portion having a hook-shaped member at one end and a handle at the other end; a bracket adapted to be structurally mounted on the hood of an automobile, said bracket extending within said tubular body; and resilient means contained in said body for exerting an outward thrust on said bracket to lift the hook-shaped end of said body.

1,589,913. METHOD AND MOLDS FOR MAKING ELECTRIC SOCKETS. BURLING D. WELLS, Danbury, Conn., assignor to Molded Socket Corporation, Newark, N. J., a Corporation of New Jersey. Original application filed Sept. 10, 1923, Serial No. 661,758. Divided and this application filed Sept. 15, 1925. Serial No. 56,418. 5 Claims. (Cl. 18—42.)



1. The method of producing a lamp socket body which comprises supporting a cylindrical metal blank on a screw threaded mandrel at one end of a die, compressing molding composition about the blank until the blank takes the shape of the mandrel and withdrawing the mandrel and socket from the die.

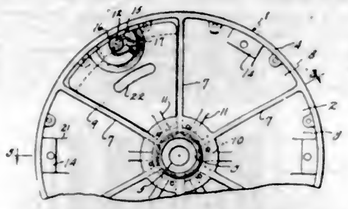
1,589,914. GARAGE CONSTRUCTION. ALFRED G. WHELLER, Detroit, Mich. Filed May 25, 1925. Serial No. 32,765. 2 Claims. (Cl. 20—1.13.)



1. A garage building having walls arranged rectangularly comprising a plurality of helical floors within the building, one floor constituting an entrance spiral and the other floor constituting an exit spiral, the convolutions of one spiral interposed between those of the other spiral, said spirals continuously sloping substantially throughout their lengths and being formed with driveways substantially throughout their lengths to respectively and separately accommodate travelling of vehicles entering and leaving the garage, a plurality of substantially level cross passages providing cross driveways permitting travel of the vehicles in a substantially horizontal direction from one of said spirals to the other and vice versa at points along the common axis of the spirals where the spirals cross each other when projected on a vertical plane.

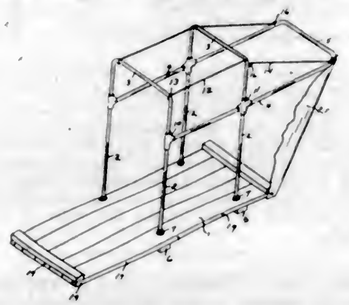
1,589,915. VEHICLE WHEEL. THOMAS C. WHITEHEAD, Detroit, Mich. Filed Sept. 30, 1925. Serial No. 59,699. 13 Claims. (Cl. 301—41.)

12. In combination, a vehicle wheel having a hub, a radially projecting web on the hub, and an annular portion concentric with the hub having an inwardly extending shoulder, one face of said shoulder being inclined, a weight between the annular portion and hub, and means



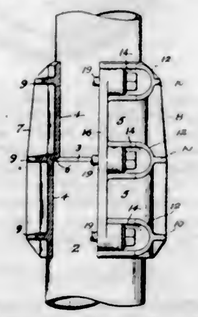
for forcing one end of said weight against the inclined face of said shoulder to seat the opposite end of said weight firmly against the web on said hub.

1,589,916. AUXILIARY CARRIER FOR VEHICLES. LEONARD W. WHITMORE, Menasha, Wis. Filed May 28, 1924. Serial No. 716,349. 5 Claims. (Cl. 224—29.)



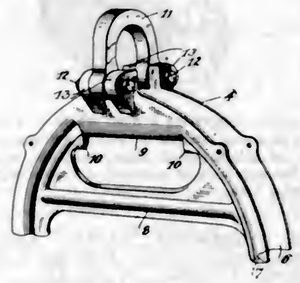
1. An animal carrier for vehicles, comprising the combination of a set of posts, bars connecting the upper portions of the posts with each other and extending in one direction beyond the space enclosed by the posts, securing devices for connecting the posts to a vehicle, and a covering for the space defined by the posts and bars.

1,589,917. REENFORCING CLAMP FOR JOINTED IRON POLES. ROLLAND G. WILLIAMS, Bridgeport, Conn. Filed Jan. 20, 1925. Serial No. 3,563. 1 Claim. (Cl. 189—32.)



A repair clamp for iron poles formed of sections of different diameters with a resultant circumferential ledge formed at the junction of said sections, comprising two elongated clamping members curved to conform closely throughout their length to the pole and having two diameters corresponding to those of said sections whereby a shoulder is formed which rests upon said ledge, said members having vertical and horizontal ribs and provided with flanges at their ends, and bolts and nuts for drawing these flanges together and clamping the members to the pole.

1,589,918. GRIP HANGER. ALBERT P. WORTHINGTON, Los Angeles, Calif. Filed Oct. 23, 1923. Serial No. 670,249. 15 Claims. (Cl. 24—39.)

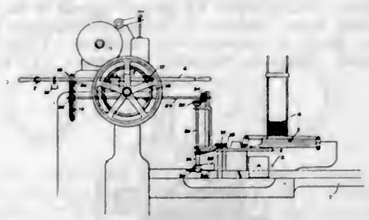


1. In a grip hanger the combination of a frame constructed to be affixed to a walking beam, and a member for supporting a cable, the same being constructed to be assembled with said frame, a portion of said frame being movable to admit a part of said supporting member to pass to a position within the confines of said frame.

1,589,919. GRAPHITIC BEARING. CHARLES W. ADAMS, Saginaw, Mich., assignor to The United States Graphite Company, Saginaw, Mich., a Corporation of Michigan. Filed Feb. 1, 1924. Serial No. 690,048. 2 Claims. (Cl. 308—242.)

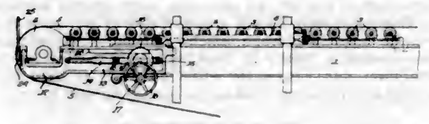
1. A graphitic bearing, consisting of a baked mixture of petroleum coke and graphite and a coal tar derivative, the graphite being amorphous and containing a substantial per cent of amorphous ash.

1,589,920. CAN-CAPPING MACHINE. JOHN ALBERTOLI, San Francisco, Calif., assignor to Seattle-Astoria Iron Works, Seattle, Wash., a Corporation of Washington. Filed Oct. 30, 1922. Serial No. 597,826. 5 Claims. (Cl. 113—14.)



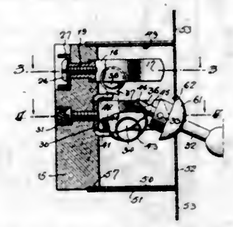
1. The combination with a can capping machine having means for advancing caps and cans to be sealed in said machine, of means for stopping and starting the machine, spring means associated with said stopping and starting means and normally tending to operate said means so as to stop the machine, trigger mechanism normally holding said stopping and starting means in position to maintain the machine in operation, which trigger means operates against the action of said spring means and means for releasing the trigger means and permitting the spring means to operate, which last named means operates automatically upon failure of the machine to move a cap into position to be applied to a can.

1,589,921. PAPER-MAKING MACHINE. ALONZO ALDRICH, Beloit, Wis. Filed Feb. 14, 1924. Serial No. 692,643. 15 Claims. (Cl. 92—45.)



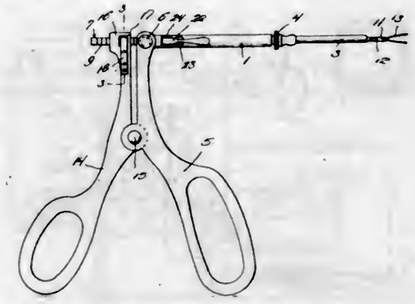
1. A Fourdrinier machine having a table provided with shakable table rolls and a slidable brest roll.

1,589,922. ELECTRIC SWITCH. CARL ERIC ANDEESON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 11, 1924. Serial No. 719,396. 6 Claims. (Cl. 200—67.)



1. In an electric switch an insulating base, a frame comprising a strap secured to the base with its ends extending away from the base and angled toward each other, said strap having side flanges offset from its opposite margins between said ends, and also angled away from the base to form stops, a switch bar yoke pivoted between the upstanding ends of the frame and having a throw limited by said stops, an oscillating lever pivoted on said frame, and a U-spring, one arm of which is engaged by the end of said lever, and the other arm of which is engaged by the switch-bar yoke, said spring-engaging end of the lever being shiftable across the axis of oscillation of the switch-bar yoke.

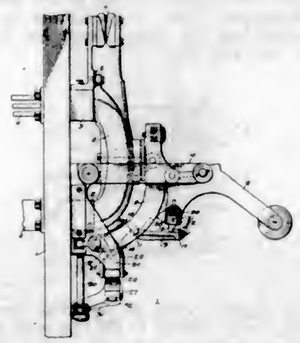
1,589,923. SURGICAL INSTRUMENT. ROBERT W. ARMSTRONG, Vancouver, Wash. Filed July 30, 1924. Serial No. 729,116. 2 Claims. (Cl. 128—320.)



1. A surgical instrument of the class described comprising a tubular open ended barrel, a rack bar slidably mounted in said barrel and having its toothed end extending beyond the inner end of the barrel, a sleeve connected to the outer end of said barrel, said bar being provided with a cylindrical rod carried by the outer end and extending through and beyond said sleeve, a ligature carried by the outer end of said rod, a handle having an upper bifurcated end, said barrel being disposed

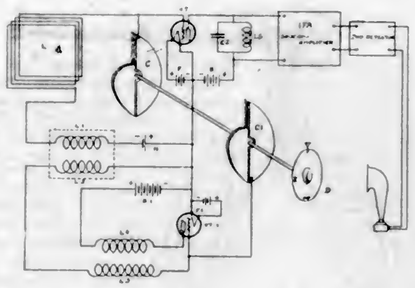
between and pivotally connected with the furcations, a spring pressed latch carried by said barrel and cooperative with the teeth of said bar for preventing retrograde movement of the bar, an operating lever pivoted between its ends upon said handle and provided at its upper end with an opening through which the toothed end of said bar extends, a relatively fixed resilient pawl carried by said lever and cooperable with the teeth on said bar, and a pawl releasing means also carried by said lever.

1,589,924. ELECTRIC SWITCH. WINFIELD A. ATWOOD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 24, 1922. Serial No. 531,469. 13 Claims. (Cl. 200—109.)



9. The combination with a movable switch member, of a pair of latch members, one of which engages the switch member and releasably retains it in closed position and the other of which engages the first latch member and releasably retains it in latched position, and a single means for biasing both latch members in operative latched position.

1,589,925. RADIO RECEIVING APPARATUS. RALPH REYNOLDS BATCHER, Jamaica, N. Y., assignor to A. H. Grebe & Co., Inc., Richmond Hill, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 756,958. 4 Claims. (Cl. 250—20.)

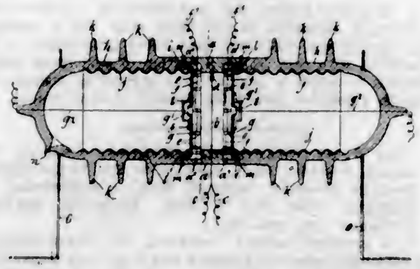


1. A signal receiving system comprising an input circuit and an oscillator circuit, each of said circuits being provided with requisite tuning means including variable elements adapted to give a straight line frequency variation, and said circuits being tuned to different predetermined frequencies, and means for simultaneously varying the said tuning means so as to maintain constant said frequency difference.

1,589,926. GOLF CLUB. RICHARD F. BRAMER, San Francisco, Calif. Filed Oct. 19, 1922. Serial No. 595,498. 4 Claims. (Cl. 273—77.)

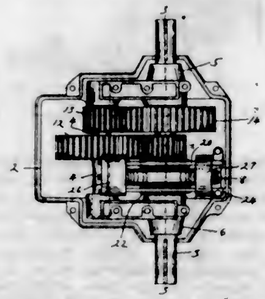
1. A putter comprising a head which is wider than the diameter of a regular golf ball and having a striking face the area of which is not larger than the cross-sectional area of the regular golf ball and sides converging toward the striking face.

1,589,927. THERMIONIC VALVE. ARTHUR ELLIOT BEATTIE, Manzanillo, Cuba. Filed Apr. 7, 1925. Serial No. 21,451. 8 Claims. (Cl. 250—27.)



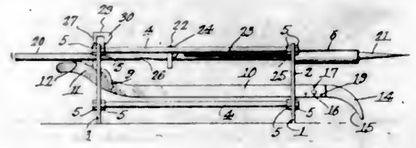
1. A thermionic valve consisting of a stout annular glass member, an incandescible filament mounted across the central aperture of and within the thickness of said member, a metal grid mounted in said member alongside said filament, an anode plate mounted outside said grid, and a glass cap laterally interfitting and sealed to said member.

1,589,928. REDUCTION GEARING. WILLIAM E. BEE, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 5, 1923. Serial No. 622,958. 10 Claims. (Cl. 74—7.)



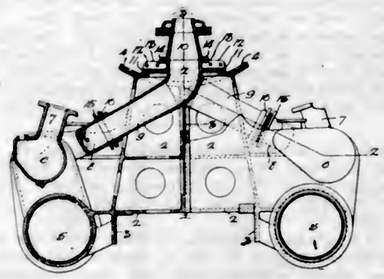
1. In a reduction gearing, the combination with a power shaft and a counter shaft, of a sleeve rotatably mounted upon said power shaft, a pinion secured to said sleeve, a gear meshing with said pinion and secured to said counter shaft, a pinion secured to said counter shaft, a gear secured to said power shaft, a worm wheel secured to said sleeve, and a worm meshing with said worm wheel for driving the same.

1,589,929. GAME TRAP. ROBERT BENSON, Skamokawa, Wash. Filed July 14, 1925. Serial No. 43,590. 2 Claims. (Cl. 43—79.)



1. In a device of the class described, a frame comprising a front plate and a back plate disposed about parallel to each other, and connections uniting the plates; a spear slidable in both plates and having a shoulder, a cross head on the spear, a retractile spring connected with the cross head and with the front plate, a trigger extended through both plates and mounted to swing therein, a bait holder on the trigger, means for mounting the trigger intermediate its ends on the back plate for swinging movement, the rear end of the trigger being located outwardly of the back plate and cooperating with the shoulder of the spear, outwardly of the back plate, to hold the spear retracted against the action of said spring means, and a latch fulcrumed on one of the aforesaid connections for swinging movement in a direction substantially at right angles to the line of reciprocation of the spear, and cooperating with the cross head to hold the spear retracted.

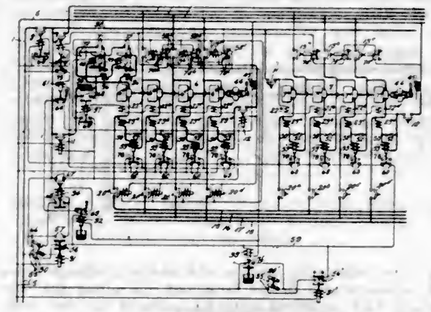
1,589,930. LOCOMOTIVE CYLINDER STRUCTURE. FRANK I. BIRD, Berwyn, and HENRY K. HARWICK, Philadelphia, Pa., assignors to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 23, 1925. Serial No. 70,891. 7 Claims. (Cl. 105—44.)



1. The combination of a cylinder saddle having cylinders and valve-chests; an exhaust passage formed in the casting of the valve-chest outside of the body of the saddle; separate exhaust pipes communicating with the exhaust passages and extending through the saddle; and a nozzle on the saddles communicating with said pipes.

1,589,931. CONTROL SYSTEM FOR DYNAMO-ELECTRIC MACHINES. ELMER F. BLISS, Aiplaus, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 15, 1924. Serial No. 713,614. 37 Claims. (Cl. 171—312.)

1. In combination, a direct current supply circuit, a multi-voltage direct current load circuit, a balancer set arranged to supply the intermediate circuits of said multi-voltage circuit, automatic switching means for connecting said balancer set to said supply circuit to effect the starting of said set, means for effecting the operation

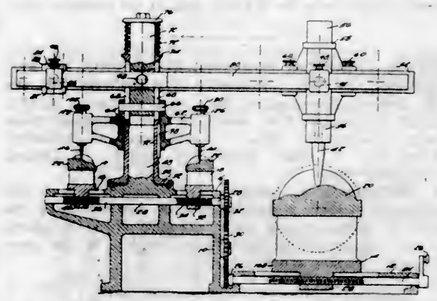


of said automatic switching means, and automatic switching means operative in response to the starting of said balancer set to connect said balancer set to the intermediate circuits of said multi-voltage load circuit.

1,589,932. RAIL TIE AND FASTENING. ADOLF ERNST BLOSS, Dresden, Germany. Filed Nov. 25, 1924, Serial No. 752,129, and in Germany Nov. 30, 1923. 2 Claims. (Cl. 238—265.)

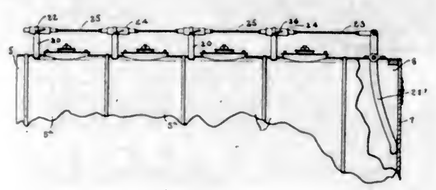
1. Rail tie and fastening comprising a hollow concrete tie, a double-T-shaped bracket partly embedded in the top wall of said tie with the bottom flange substantially flush with the underside of said wall, an angular clip one arm of which rests on the top flange of said bracket, while the other arm abuts against an end face thereof, and a clamp embracing said top flange and an arm resting thereon.

1,589,933. CAMEOGRAPH. GUISEPPE BONTEMPI, Fort Lee, N. J. Filed Feb. 6, 1925. Serial No. 7,306. 14 Claims. (Cl. 90—13.1.)



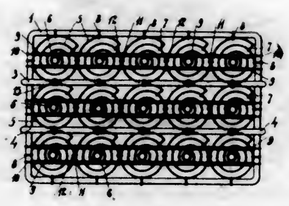
1. In apparatus of the class described, a model carriage and a plurality of replica carriages, means for imparting variably proportional movements to said carriages, an index for tracking a model held in the model carriage, a plurality of carving tools for carving work in the replica carriages, and means for imparting proportional movements to said index and carving tools independent of the movement of the carriages.

1,589,934. VALVE-CONTROLLING MEANS. ARTHUR BORCHARDT, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,440. 2 Claims. (Cl. 137—21.)



1. The combination with a tank having discharge pipes and valves located in the tank and controlling the flow through said pipes, of brackets mounted on the tank, links slidably mounted in said brackets and projecting into the tank, adjustable links connecting said first mentioned links with said valves, a reciprocably operating member mounted on the tank and having independent cam slots, and pins carried by said links and extending into said slots to simultaneously control said valves.

1,589,935. EGG HOLDER. LADISLAV BRANČ, Brno, Czechoslovakia. Filed Nov. 12, 1925. Serial No. 68,697. 2 Claims. (Cl. 217—27.)



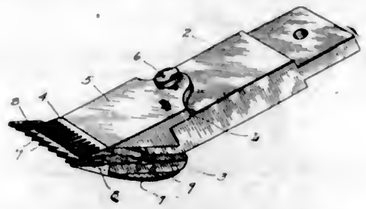
1. An egg holder comprising two sets of rectangular frames arranged at right angles to each other, one set of frames being embraced by the other set, egg-cup-shaped coil springs supported by said frames within the confines thereof, and spring bands stretched across the mouths of the cups for holding eggs in the latter.

1,589,936. PROCESS FOR THE REDUCTION OF AZO COMPOUNDS TO HYDRAZO COMPOUNDS. OLIVER W. BROWN, Bloomington, Ind., and CLYDE O. HENKE, South Milwaukee, Wis., assignors to The Newport Company, Carrollville, Wis., a Corporation of Delaware. Filed Nov. 2, 1925. Serial No. 66,391. 10 Claims. (Cl. 260—69.)

1. The process of reducing aromatic azoxy and azo compounds to their respective hydrazo compounds by the action of hydrogen gas under pressure upon the azoxy and azo compounds in an organic solvent, in the presence of a catalyst containing nickel.

1,589,937. ATTACHMENT FOR HAIR CLIPPERS. FRANK M. BUCKMASTER, Lowell, Wash. Filed May 14, 1923. Serial No. 639,001. 1 Claim. (Cl. 30—1.)

The combination with a hair clipping device of the character described, of a plate of flexible metal applicable to the under surface of the clipping device and having attaching flanges at its opposite edges, said plate being longitudinally grooved so that its central portion is spaced from the base of the clipping device and having an upturned rearward end adapted to engage with the base of the cutter and having its forward end portion longitudinally corrugated with teeth at the forward ends of the corrugations extended forwardly of the teeth of the cutting device.



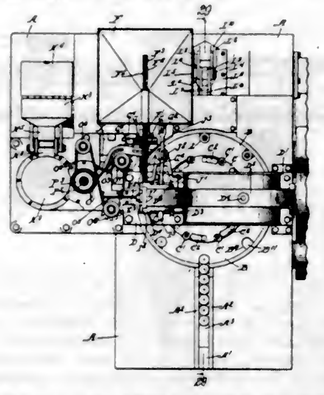
1,589,938. CONSTRUCTION OF BUILDINGS, DWELLING HOUSES, AND SIMILAR STRUCTURES. CHARLES DENNISTON BURNEY, Westminster, London, England. Filed July 10, 1925, Serial No. 42,744, and in Great Britain May 27, 1924. 1 Claim. (Cl. 72—1.)

A building structure comprising walls consisting of building units of concrete admixed with fibrous material, whereby the units are rendered light in weight in proportion to their size and capable of being readily handled, said units having a series of ribs on one face thereof and interlocking projections on the top surface and one end surface thereof, and corresponding complementary recesses in the bottom surface and the other end surface thereof, the unit being of a length sufficient to extend vertically the height of one story, a floor disposed upon said wall comprising slabs some of which have end portions substantially half the thickness of the wall units and having projections upon their upper surface and recesses in their lower surfaces, said projections and recesses on the floor portions being of substantially the same size as the similar projections and recesses on the wall units, whereby the floor may be interlocked with the said wall.

1,589,939. NAIL-KNOB ASSEMBLY. FRANCIS M. CASE, Cleveland, Ohio, assignor to Federal Porcelain Company, Carey, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,477. 75 Claims. (Cl. 10—158.)

19. In a nail knob assembling machine, means for conveying assembled pairs of nail knobs by a step by step rotation, means overlying said nail knob assembling means adapted to position and insert nails therethrough, a washer feeding means adapted to feed washers over said nail knob pairs and beneath said hammering means, a washer receiving and positioning element comprising a notched pivoted arm and means adapted to oscillate said arm in unison with the nail knob conveying means on completion of the hammering operation, comprising cam stops in connection with the conveying means and pins associated with said pivoted arm and adapted to be engaged by said cam stops and yielding means for limiting the range of said cam action.

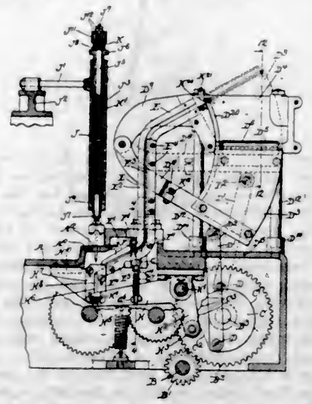
29. In a nail knob assembling machine, a plurality of washer supply chutes adapted to supply washers at different points along the excursion of the nail knobs, a single washer supply source therefor, and means for feeding washers from said source alternately into said chutes, comprising a pivot gate closing one of said passages and means for opening it, a rotary brush adjacent said gate and adapted normally to feed washers along one of said passages and adapted when said gate is opened to feed to the other of said passages, said passages being tangential to said brush.



44. In a nail knob assembling machine, means for crimping the nail stems, comprising opposed crimping elements and slides therefor and means for actuating said slides alternately to and away from each other, comprising links connecting said slides and means for alternately aligning and inclining said links, comprising a connection between said links and an eccentric connected thereto.

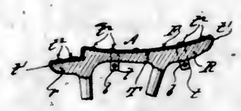
59. In a nail feeding machine, means for sorting loosely massed nails, comprising a vertically reciprocating chute having inclined walls and bottom, means associated therewith for preventing discharge through said chute of any nail shorter than a predetermined minimum, a fixed chute adapted to receive nails discharged from the reciprocating chute, and a stop adjacent the path of the reciprocating chute, adapted to control the discharge of successive nails from the reciprocating to the fixed chute at the end of each downward excursion of the former chute.

1,589,940. NAIL-KNOB ASSEMBLING AND SECURING MACHINE. FRANCIS M. CASE, Cleveland, Ohio, assignor to Federal Porcelain Company, Carey, Ohio, a Corporation of Ohio. Filed Oct. 14, 1922. Serial No. 594,530. 34 Claims. (Cl. 10—158.)



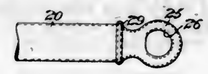
5. A machine for applying a metal washer to a nail knob assembly which consists in a nail knob feed and means for actuating it, a perforated punch adapted to surround the nail of said nail knob, means for actuating the punch to carry the metallic washer upon said nail, means for feeding a metallic washer to said punch, comprising a washer chute and a supply source therefor, and means responsive to the reciprocation of the punch for permitting the washers to feed down said chute, comprising a plurality of pins and means for inserting them across the path of the chute, from opposite sides, and means for reciprocating said pins in unison, in response to the punch motion, the pins being spaced and proportioned to admit a washer therebetween at one excursion, and to discharge it to the punch at the next.

1,589,941. FOOT REST. VITO WILLIAM CAVALLUZZI, New York, N. Y. Filed July 9, 1925. Serial No. 42,395. 3 Claims. (Cl. 15—265.)



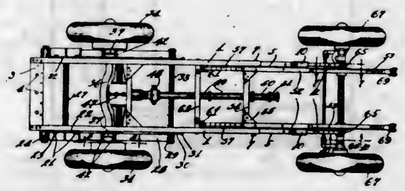
1. In combination with a foot rest of the character designated, an attachment therefor, comprising a sheet metal tread plate formed in one piece with side straps and with end flanges for embracing the said foot rest, screw bolts engaging with the said side straps, and a facing of granuliferous material secured to said tread plate, substantially in the manner and for the purpose set forth.

1,589,942. METHOD OF MANUFACTURING FIXTURE STEMS. GEORGE M. CONDIT, Waterville, Conn., assignor to The American Pin Company, Division Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 17, 1925. Serial No. 63,172. 4 Claims. (Cl. 29—155.5.)



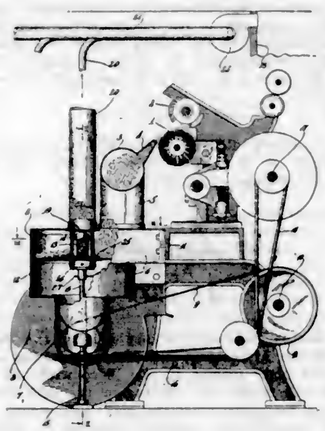
1. The herein described method of making a fixture stem from a tube blank which consists in drawing the tube blank to provide a reinforced section therein, then spinning the tube blank to form a knob in the reinforced section thereof, and then forming a loop in the said knob.

1,589,943. EXTENSIBLE MOTOR TRUCK. ALBERT EUGENE COOK, Evanston, and THOMAS VAN TUYL, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Filed Nov. 15, 1922. Serial No. 601,049. 3 Claims. (Cl. 180—16.)



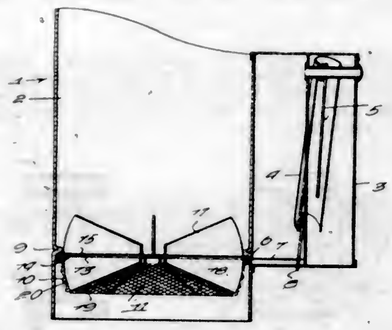
1. A truck comprising a front power plant carrying unit, an extensible rear frame section, springs connecting the same to said front unit, a rear wheel unit, and means adapted to be secured in various positions along said extensible rear frame section for connecting the rear wheel unit to said extensible rear frame section.

1,589,944. TEXTILE SCAVENGER SYSTEM. FRANK L. CROCKETT, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed June 18, 1923. Serial No. 646,105. 14 Claims. (Cl. 19—116.)



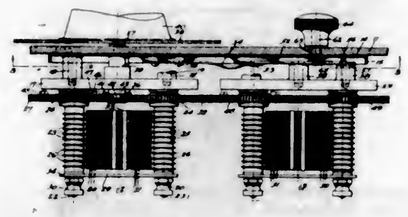
2. The combination with the working parts of a textile machine, of a suction fan, an air conduit in scavenging relation to said parts carrying a large volume air flow with reference to the fibre moved thereby and including an enlargement constituting a chamber, a fibre-collecting screen in a region of lower air velocity in said chamber, a suction nozzle in said chamber adapted to remove collected fibre from the screen, means for relatively moving the nozzle and screen, and an air pipe connecting said nozzle to a place of remote deposit and carrying a relatively small volume of air flow with reference to the fibre moved through it.

1,589,945. SIFTER. WILLIAM CZAASKI, Anchorage, Alaska. Filed Dec. 15, 1925. Serial No. 75,649. 12 Claims. (Cl. 209—245.)



1. In a sifter having a horizontal wall with openings therein, a sieve mounted under said wall, and means for causing the contents of the sifter to pass through said openings into said sieve and agitating the flour upon said sieve, said means consisting of a rotatable shutter on said wall.

1,589,946. RADIO TUNING DEVICE. ERNEST G. DANIELSON, San Francisco, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed May 19, 1925. Serial No. 31,268. 6 Claims. (Cl. 250—41.)



2. In combination, a plurality of variable condensers, each having a pair of relatively movable plate structures, a common means for causing simultaneous relative movement of all of the plate structures of all of the condensers, and means for independently causing relative movement of all of the plate structures of at least one of the condensers, comprising a rotatable cam.

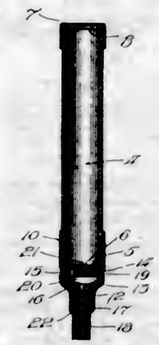
1,589,947. METHOD OF SIZING CELLULOSE FIBERS. JUDSON A. DE CEW, New York, N. Y. Filed Sept. 19, 1925. Serial No. 57,470. 3 Claims. (Cl. 92—21.)

1. A method of sizing paper, which consists in adding the size and alum to the paper stock after the fibers of said stock have passed through the Jordan.

1,589,948. ADVERTISING DISPLAY STAND. HENRY DEGGINGER, Chicago, Ill., assignor to Regenstein-Veeder Co., Chicago, Ill., a Corporation of Illinois. Filed May 14, 1925. Serial No. 30,288. 1 Claim. (Cl. 40—148.)

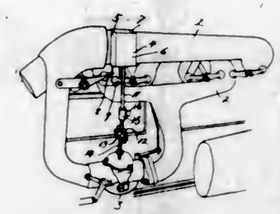
As a new article of manufacture, a display stand for the purpose specified including in combination a front frame section having a display opening for the display of exhibited sheet matter, a back section having its lower edge portion hinged to the lower portion of the front frame section and adapted to be swung away therefrom after the insertion or removal of exhibited matter, an easel integral with the back section and die cut therefrom and having its uncut portion hinged with respect to the back section about a vertical folding line, together with means for securing the upper edge portions of the front frame and back sections together comprising a member hinged to the back face of the upper portion of the front frame section in position to be folded down against the back face of the back section, and suitable buttoning devices on said member and on the upper portion of the back section, substantially as described.

1,589,949. FOUNTAIN BRUSH. CHARLES A. DOWD, Chicago, Ill., assignor to Service Products Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed June 25, 1925. Serial No. 39,411. 1 Claim. (Cl. 15—138.)



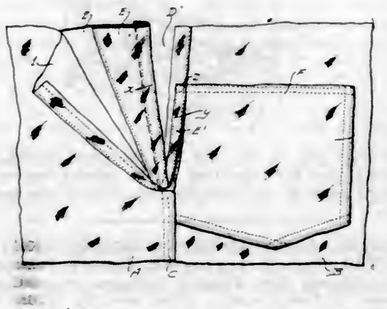
As a new article of manufacture, a fountain brush for the purpose specified comprising a tubular chamber for liquid having its forward end closed by an end partition and having its end portion externally threaded adjacent to said partition to receive a bristle cap, there being a central perforation in said partition, a bristle cap threaded onto said end portion and having its outer end contracted to establish a bristle neck, a pair of partitions extending across said cap and separated to establish a liquid chamber between them, the outermost of said partitions having a nipple reaching into the bristles to feed liquid thereto, and the innermost partition being provided with a central backwardly reaching cone shaped valve plug adapted to seat into and control the central perforation aforesaid, and also having a perforation establishing communication with the chamber between the two partitions, whereby when said cap is threaded into the closed position said plug effectively seals the central perforation, and whereby said perforation is unsealed by unthreading the cap, substantially as described.

1,589,950. THERMOSTATIC CONTROL FOR CARBURETORS. JOHN FARKAS, Detroit, Mich. Filed Mar. 13, 1922. Serial No. 543,173. 2 Claims. (Cl. 261—39.)



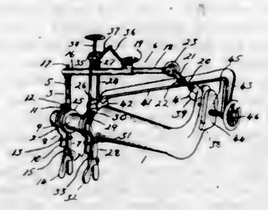
1. In an internal combustion engine, the combination with a carburetor having a rotatably adjustable needle valve and an exhaust manifold above said carburetor, of a housing adjacent to said manifold and arranged at one side thereof, said housing being closed at the front top and sides and being open at the rear, a spiral thermostatic element within said housing exposed to direct radiation from said exhaust manifold and having one end secured to said housing, a rod rotatable about its axis and extending substantially vertical at the side of said exhaust manifold, said rod having one end thereof engaging and directly secured to the opposite end of said thermostatic element and a yoke adjustably secured to the opposite end of said rod so as to permit various positions of rotataive adjustment relative thereto and connected to said valve for adjusting the same upon movement of said thermostatic element.

1,589,951. OVERALLS. FORREST FERGUSON, St. Louis, Mo., assignor, by mesne assignments, to Wynne Ferguson, trustee, New York, N. Y. Filed Sept. 19, 1923. Serial No. 663,613. 5 Claims. (Cl. 2—231.)



1. A pair of overalls provided with side vents, front pockets whose rear portions are arranged at the front side of said vents, and facing pieces for the rear portions of said pockets, superimposed upon the front sides of same and provided at their lower ends with integral extensions that extend rearwardly across the lower ends of said side vents and upwardly at the rear side of said vents so as to reinforce and strengthen the side seams of the legs.

1,589,952. VULCANIZING APPARATUS. WADE H. FOSTER, Bad Axe, Mich. Filed May 14, 1923. Serial No. 638,856. 16 Claims. (Cl. 18—17.)

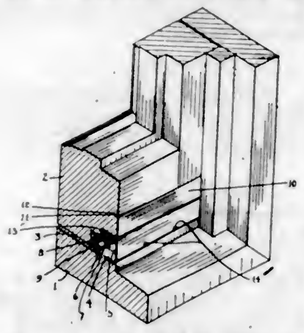


1. In a vulcanizing apparatus, the combination with a hollow mold and a pipe for conducting heated fluid thereto, of a pressure applying pad adapted to cooperate with said mold, a support for said pad rotatably mounted upon said pipe, and a guide for said support also rotatably mounted upon said pipe, said support and guide being relatively rotatable.

1,589,953. WEATHER STRIP. RICHARD M. FRAWLEY, Rochester, N. Y. Filed Mar. 28, 1924. Serial No. 702,693. 1 Claim. (Cl. 20—69.)

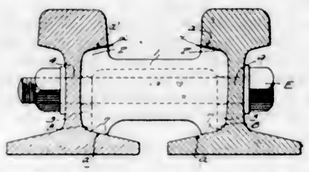
In combination with a frame and a sash of a casement window, a weather strip comprising a channel member secured to the frame and having a front vertical wall flush with the front face of the sash, a cooperating piece secured to the sash, flush with the front wall of the channel member, and cooperating means on the channel member and the sash carried piece providing a weather

proofing joint and embodying two flat horizontal abutting surfaces, one extending inwardly from the lower edge of the sash carried piece and from a point in line with



the front face of the sash and the other extending inwardly from the front wall of the channel member and from a point in line with the front face of the sash.

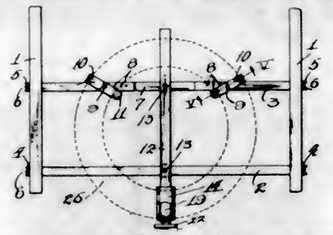
1,589,954. RAILROAD-SWITCH HEEL-BLOCK STRUCTURE. PAUL EUGENE GERHARD, Lebanon, Pa., assignor to Lebanon Steel Foundry, Lebanon, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1926. Serial No. 97,162. 5 Claims. (Cl. 246—435.)



1. In a railway switch and heel block structure, the combination of a main rail; a stationary switch rail section; a switch point rail and a chambered heel block open on its under side; the heel block having long side walls one of which is partially opposed to the web and a base flange of the stationary switch rail section and also partially opposed to the web and a base flange of the switch point rail and the other of which is opposed lengthwise to the main rail web and base flange; one side wall of the heel block bearing against the main rail web and its adjacent base flange and its other side wall bearing against the web and a base flange of the stationary switch rail; the opposite, under, lengthwise extending edges of the side walls of the heel block being provided with bearing surfaces bearing on the rail base flanges; the webs of the main, stationary and switch point rails being formed with bolt holes and the heel block side walls being formed with transversely alined bolt holes registering with the bolt holes through said webs; and clamp bolts through the bolt holes in the web and block sides, effective to clamp the heel block side walls to the main and stationary switch rail and operative to connect the block sides with the web of the switch point rail and to hold the under edge bearing surfaces of the heel block against rail base flanges, with the upper, lengthwise, marginal walls of the heel block out of contact with the rail heads.

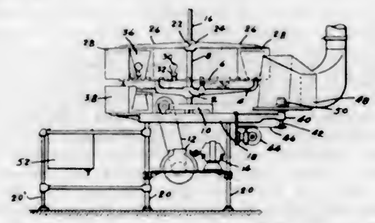
1,589,955. UNDERSLUNG TIRE CARRIER. WALTER R. GREEN, Chicago, Ill. Filed July 28, 1925. Serial No. 46,591. 3 Claims. (Cl. 224—29.)

1. The combination with an automobile truck chassis, of an underslung tire carrier comprising a pair of spaced parallel channel brackets rigidly secured to the chassis sills, a pair of spaced tire clamps on one of said brackets, a bar secured transversely on said brackets, a screw bolt pivotally connected to said bar, a slotted tire clamp



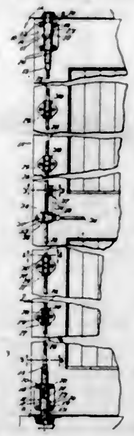
slidably mounted on said bar adapted to receive the screw bolt, and a member adapted to be threaded on said bolt against the slidable clamp.

1,589,956. COATING MACHINE. AARON MARTIN HAGEMAN, Bloomfield, and ALBERT FERDINAND LINDSTROM, Nutley, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 17, 1924. Serial No. 699,613. 7 Claims. (Cl. 34—26.)



1. A machine for coating incandescent electric lamps comprising a common carrier for moving uncoated lamps through an oven for preheating and coated lamps through another oven for baking and means for actuating said carrier.

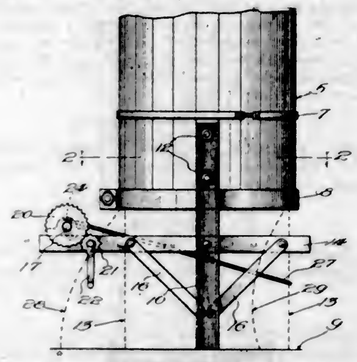
1,589,957. GARAGE-DOOR BOLT. CHARLES S. HANDELL, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 752,769. 10 Claims. (Cl. 292—4.)



1. A fastener for doors comprising a rotatable bolt, a bearing member therefor adapted to be attached to the door, said bolt being mounted in said bearing member

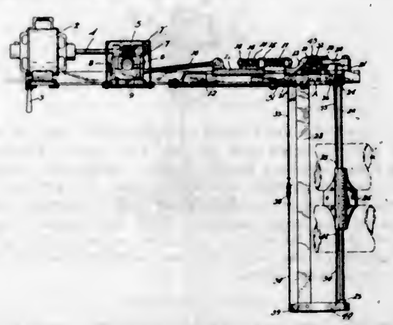
to rotate and simultaneously move longitudinally, and an operating device for the bolt mounted in a fixed position on the door and having an extensible connection with the bolt.

1,589,958. SUGAR-JACK PRESS. THOMAS A. HARPER, Chicago, Ill., assignor of one-half to Jessie M. Stees, Chicago, Ill. Filed Aug. 13, 1925. Serial No. 49,950. 3 Claims. (Cl. 214—17.)



1. The combination with the hollow substantially vertical shaft of a sugar jack press having its lower end spaced above a floor surface whereon the sugar jack material collects, of a pair of vertical stands at the sides of the lower portion of said shaft serving to support the same above the floor, horizontal substantially parallel bracket arms secured to said stands and reaching sidewise to a position beyond the projected surface of the hollow shaft aforesaid, a horizontal shaft extending between and journaled to the end portions of said arms, a crank handle journaled to one of the arms, a gearing connection from said crank handle to the shaft, a pair of hooks secured to the shaft intermediate between the bearings aforesaid, and a cable having eyes on its ends adapted to engage the shaft hooks aforesaid, said cable being of sufficient length to reach around the sides and back of the pile of sugar jack material standing on the floor beneath the sugar jack press when the ends of the cable are hooked onto the shaft, substantially as described.

1,589,959. SCALE REMOVER. IRVING HATHAWAY, Cleveland, Ohio. Filed May 28, 1925. Serial No. 33,356. 6 Claims. (Cl. 15—104.04.)

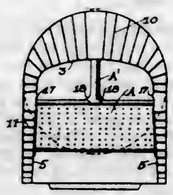


1. A boiler tube cleaner or the like consisting of a main frame, power means carried thereby, an auxiliary frame pivoted to and depending from the main frame, a tool carried by the auxiliary frame and adjustable thereon, and a power equalizing device carried on the main frame intermediate the power device and the tool.

1,589,960. AUTOMOBILE BED. JOHN W. HAWKINS, Picher, Okla. Filed May 14, 1925. Serial No. 30,234. 6 Claims. (Cl. 5—119.)

6. In an automobile bed a spring controlled winding roller, a support therefor, means for detachably clamping said support to the automobile, a flexible bed bottom connected to and automatically winding on said roller, hinged supporting legs connected with each side of the outer end of said bed bottom and foldable over and against said outer end and bodily carried by the bed bottom, a lengthwise adjustable and foldable retaining means pivotally connected to said support and detachably engaging with each side of the outer end of the bed bottom and the upper ends of said legs for maintaining the bed bottom extended and the legs in supporting position for the outer end of the bed bottom, and a folded strip of impervious material secured to and having the folds thereof enclosing the outer terminal portion of the bed bottom and providing a protector for the latter and said legs when the bed bottom is wound up on the roller.

1,589,961. LOCOMOTIVE BOILER. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,660. 3 Claims. (Cl. 122—68.)

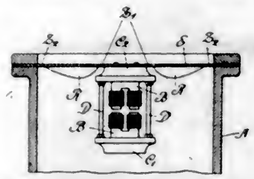


1. In combination with a locomotive firebox having a crown sheet and side sheets, a water steaming and circulating element arranged in the firebox and embodying therein, a vertically disposed flat tubular water leg arranged longitudinally of the firebox and having an elongated discharge mouth opening through the crown sheet and a rearwardly and upwardly inclined bottom wall, said element also including a flat tubular water table extending transversely of the firebox with an inlet at each end which opens through the side sheets of the firebox, said water table being inclined in the angle of the bottom wall of the water leg and communicating therewith at the bottom end thereof.

1,589,962. RADIATING MEMBER OF SOUND-SIGNALING APPARATUS. HEINRICH HECHT, Kiel, WALTER HAHNEMANN, Plon, and WILHELM RUDOLPH and ALARD DU BOIS-REYMOND, Kitzeberg, near Kiel, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Jan. 6, 1921, Serial No. 435,565, and in Germany June 14, 1915. 6 Claims. (Cl. 181—32.)

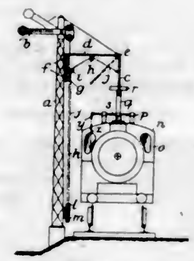
1. A vibratory diaphragm for acoustic apparatus, provided with rigid and flexible zones arranged in radial

symmetry, there being only two flexible zones, these flexible zones being ring-shaped, one forming the outer boundary of the diaphragm and the other being concentrically



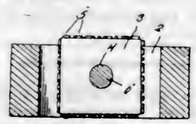
arranged within the first-named, a central rigid zone being enclosed by the inner flexible zone, and another rigid zone being enclosed between the two flexible zones.

1,589,963. SAFETY SIGNALING APPARATUS ON MOVING TRAINS. HEINRICH HELMSTÄDTER, Hamburg, Germany. Filed June 27, 1925, Serial No. 40,041, and in Germany Apr. 17, 1925. 3 Claims. (Cl. 246—178.)



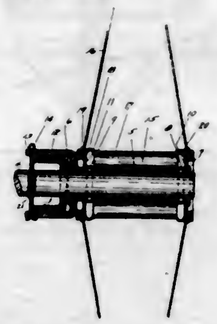
1. In safety signaling apparatus for a moving train, the combination of a permanent-way semaphore signal and signal post, a signaling device on the train, a normally open electric circuit including said signaling device, a two-armed lever pivotally mounted on the train, a weight on one of said arms adapted to normally retain the other arm in an upstanding position above the roof of the train, a bar on said other arm adapted to effect closure of the electric circuit when that arm is turned against the action of the weight, a bracket on the signal post extending transversely over the track, a striker arm pivotally connected to the bracket and normally depending therefrom into the path of the upstanding lever-arm on the train, a semaphore operating pulley, and a positive connection between said pulley and said striker arm adapted to move the striker arm out of the path of the lever-arm when the signal is set to "line-clear."

1,589,964. CHANGEABLE TYPE. ALOYSIUS M. HENNEN, Minneapolis, Minn. Filed May 16, 1925. Serial No. 30,755. 1 Claim. (Cl. 101—368.)



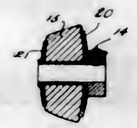
A changeable slug of the class described including a block body adapted to be received in a platen press form as ordinary type, said body being in the form of a carrier having a parallelopipe body provided with a slot, a block of polygonal formation having printing elements formed on its edges and provided with a central opening, and a pivot pin extending through the body with its axis disposed between the median longitudinal dimension and one longitudinal edge thereof, said pin extending through the opening in the block so that said block may be rotated in the body forming the carrier, a portion of said block extending beyond said longitudinal edge of the carrier so that the slug will be type high in any and all of the positions of the block, the distance between the axis of the block, the distance between the axis of the pin and the printing elements on the block being equal to the distance between the axis of the pin and the other longitudinal edge of the carrier so that the printing elements adjacent said other longitudinal edge will be substantially coplanar therewith and therefore will abut the inside of the frame to lock the block against rotation when the slug is in the frame.

1,589,965. VEHICLE. CHESTER A. HERLE, Rochester, N. Y. Filed Oct. 14, 1922. Serial No. 594,629. 3 Claims. (Cl. 301—122.)



1. In combination with a support, a shaft extending through said support, a bearing sleeve fitted on said shaft, two arms lying on opposite sides of the support and connected with the sleeve, and a pin passing through said arms on the inner side of the support and interlocking with said shaft.

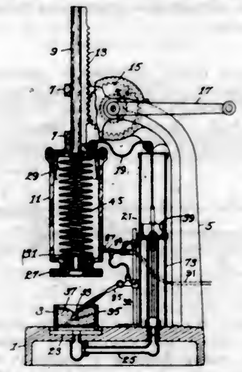
1,589,966. SEWING-MACHINE DRIVE PULLEY. FOSTER F. HILLIX, Cleveland, Ohio, assignor, by mesne assignments, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Aug. 29, 1924. Serial No. 73,880. 5 Claims. (Cl. 74—26.)



1. A friction drive wheel having a hub, a body of resilient material fitted over the hub, and concave side securing flange members forcibly pressed against the material and secured in that position so that the resilient material is under great compression directly between peripheries of the flange members, while the outward and inward radial forces are balanced substantially at the periphery of the body and the resilient material is at all times under stress.

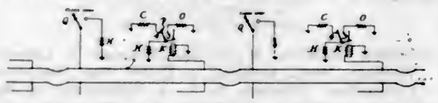
1,589,967. DENTAL CASTING DEVICE. ISAAC B. HOROWITZ, New York, N. Y. Filed Apr. 24, 1920. Serial No. 376,201. Renewed Sept. 24, 1925. 9 Claims. (Cl. 22—73.)

1. In a casting apparatus, a mold member having a mold cavity therein opening to a surface of said member, and manually operable pump mechanism arranged to be moved into engagement with the mold member for applying pressure to the outer open end of said cavity and



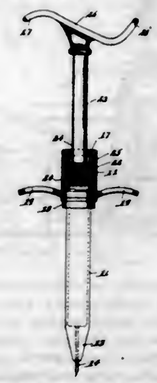
manually operable pump mechanism for exhausting pressure from the inner end of said cavity to thereby force material into said cavity.

1,589,968. DOOR-CONTROL TWO-WIRE SYSTEM. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 16, 1920. Serial No. 374,323. 15 Claims. (Cl. 105—341.)



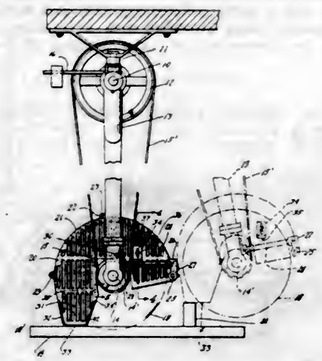
1. The combination with a plurality of car doors on succeeding cars of a train, of an operating engine for each door, a door-opening and door-closing circuit for each engine, a one-wire train-line extending through two or more cars, a relay magnet for each engine permanently connected to said train-line, a switch controlled by each relay magnet, a spring holding said switch in position to close contacts in the door-closing circuit, contacts in the door-opening circuit closed by said switch when the relay is energized, and a manual current-applying switch for said train-line.

1,589,969. HYPODERMIC SYRINGE. JOSEPH E. JAAOS, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 11,908. 5 Claims. (Cl. 128—218.)



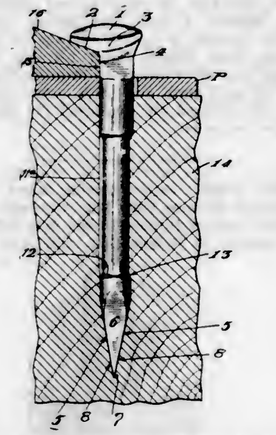
1. A syringe comprising a barrel with cap means mounted thereon, and a compound cork including a sleeve mounted in said cap means to engage the end of said barrel and a core in the sleeve movable into the barrel.

1,589,970. SAW GUARD. EMERALD E. JONES, Chicago, Ill. Filed Jan. 7, 1925. Serial No. 1,000. 5 Claims. (Cl. 143—159.)



1. A saw guard including guard elements adapted to be secured together and disposed on opposite sides of a saw, supporting brackets having laterally extending arms, supporting brackets carried by the arms and having depending portions pivotally carrying the guards to permit the guards to be raised or lowered to enclose the saw, a hood carried by one of the guard plates enclosing an end of a shaft carrying the saw, and a member adjustably carried by one of the guard plates and having a horizontal projection for engagement with one of the arms adapted to limit the movement of the guard plates into lowered position.

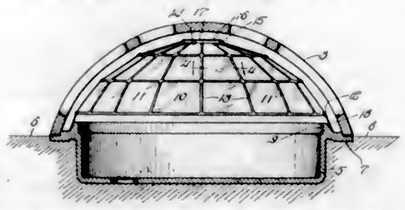
1,589,971. RAILROAD SPIKE. VAN RENSSELAER CHOATE KING, Radnor, Pa., and LARDNER VAUNXEM MORRIS, Garden City, N. Y., assignors to King's Concrete Crosstie Corporation, New York, N. Y., a Corporation of New York. Filed May 2, 1925. Serial No. 27,370. 1 Claim. (Cl. 85—19.)



As a new article of manufacture, a railroad spike having a laterally flanged head formed with a rail base flange clamping extension; a neck formed with an inward rail base flange edge bearing wall; and a cross-sectionally round, straight shank having variant diametric sections, the upper section adjacent the neck being of the greatest diameter and forming a spike hole plugging section; the downwardly adjacent intermediate section being of the smallest diameter and merging at its lower end into an under section having a diameter greater than that of the intermediate section and less than that

of the upper hole plugging section, the upper end of said under section being formed with an upwardly facing, wood engaging shoulder, its lower end being downwardly tapered into a wood penetrating end, and said intermediate portion being provided with a lengthwise extending rib for prevention of axial turning of the driven spike.

1,589,972. TRAFFIC-SIGNAL-LIGHT DEVICE. ALEXANDER M. KNAUBER, Chicago, Ill. Filed May 17, 1924. Serial No. 713,962. 1 Claim. (Cl. 240—1.)

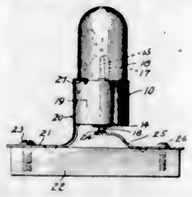


In a road surface signal device, a dome composed of a plurality of translucent panels, each panel in a metal frame and the dome terminating at its larger end in a metal edge and a relatively thin wide ring secured to said metal edge and outwardly flared.

1,589,973. OCCLUSAL-PLANE FINDER. JOSEPH S. LANDA, New York, N. Y. Filed May 4, 1925. Serial No. 27,732. 7 Claims. (Cl. 33—174.)

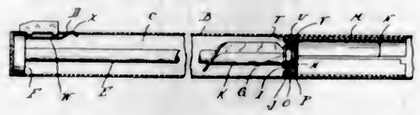
1. An apparatus as characterized comprising a supporting member, a plate, and finding arms associated with said member in spaced relation to said plate for registering with certain facial features of the human head, and connective means for maintaining the operative relation of said plate and arms, said means embodying a standard arranged for measuring the distance between said plate and arms.

1,589,974. FUSE. JAMES LESLIE LANE, Chicago, Ill., assignor to Chicago Fuse Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1924. Serial No. 714,217. 9 Claims. (Cl. 200—129.)



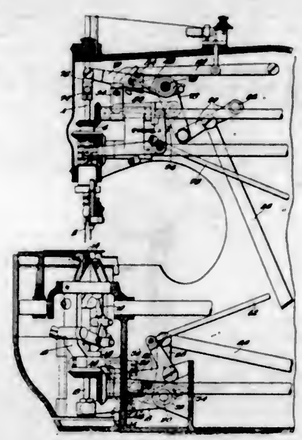
1. A fuse comprising, in combination, a metallic head having a cylindrical flange and an integral sleeve extending concentrically into said flange, said head constituting one contact of the fuse, an insulating bushing extending through said sleeve and having a peripheral flange on one end fitting against the face of said head, a contact screw threaded through said sleeve and having a head fitting against said peripheral flange and constituting the other contact of the fuse, a fuse element connected to the inner end of said screw and to said cylindrical flange, and a glass tube closed at its outer end and fitting over said fuse element into telescoping relation with said cylindrical flange.

1,589,975. AIR GUN. CHARLES F. LEFEVER, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a Corporation of Michigan. Filed Sept. 21, 1925. Serial No. 57,086. 7 Claims. (Cl. 124—11.)



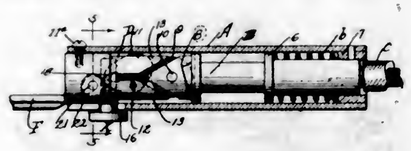
4. In a gun, the combination with a tubular casing simulating a barrel, provided with a threaded abutment therein, said casing forming a magazine and having a loading aperture therein, a tube within said casing forming the true barrel for said gun and having a threaded portion for engaging said threaded abutment, a closure for the end of said casing secured to said tube, means carried by said tube for closing said loading aperture, and a cut-away portion on one of said threaded members adapted to engage the threaded portion of the other member after a predetermined threaded engagement of said members whereby said tube and closing means may be rotated without axial movement.

1,589,976. SEWING MACHINE. BERNARD T. LEVEQUE, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Sept. 26, 1918, Serial No. 255,849. Divided and this application filed Dec. 5, 1922. Serial No. 605,002. 26 Claims. (Cl. 112—221.)



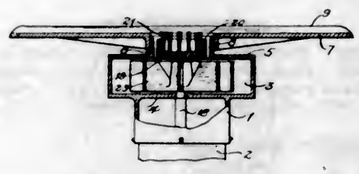
1. A machine having, in combination, operating mechanism including a reciprocating part, a rotating shaft, connections through which motion is normally transmitted from the shaft to the part constructed to permit independent rotation of the shaft upon arrest of the part and mechanism acting automatically to disconnect the shaft from its driving power and to retain the part in arrested position during continued movement of the shaft.

1,589,977. ELECTRODE-HOLDER CUT-OUT FOR WELDING TOOLS. ANDREW LUCAS, Los Angeles, Calif. Filed Oct. 15, 1923. Serial No. 668,660. 12 Claims. (Cl. 219—8.)



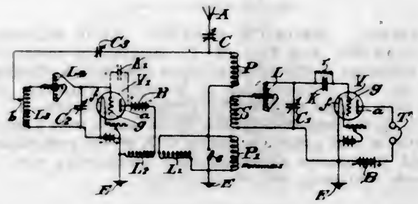
10. In a device of the character disclosed, two relatively movable circuit members, means normally urging the same into contact, cam means for relatively separating said members, and means for releasably locking said cam means to maintain separation of the relatively movable circuit members.

1,589,978. ERASER-CLEANING MECHANISM. JAMES LYNN, Chicago, Ill. Filed Dec. 26, 1924. Serial No. 758,096. 1 Claim. (Cl. 15—7.)



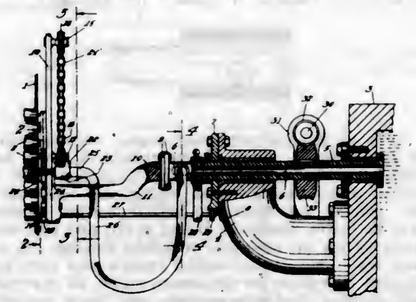
In a machine of the class described, a platform having upstanding parallel guide flanges and an opening bordered by an annular depending flange, a suction chamber having an outlet port and having an opening bordered by an annular flange threaded to receive said depending flange, a rotary brush mounted on a vertical axis and located in the opening defined by said flanges, a rotary fan in said chamber mounted on the brush axis, dust collecting means at the suction chamber outlet port, and a motor beneath and supported by said suction chamber and connected axially with said brush and fan for rotating the two.

1,589,979. RADIO SYSTEM. DAVID G. MCCAA, Lancaster, Pa., assignor to The Electric Apparatus Co., Parkesburg, Pa., a Corporation of Pennsylvania. Filed June 25, 1924. Serial No. 722,246. 30 Claims. (Cl. 250—20.)



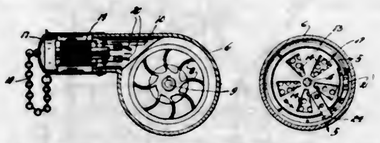
1. In the reception of radio signals, the method which comprises receiving the signal energy in a path having a natural period longer than the period of the received oscillations, and changing the natural period of said path by the effect upon the reactance thereof of oscillations produced by local energy.

1,589,980. POWER CONDENSER WASHER. WILLARD BENNETT MILLER and EDMUND FRANCIS SHOOK, Chicago, Ill. Filed Apr. 15, 1925. Serial No. 23,279. 9 Claims. (Cl. 122—390.)



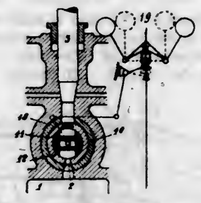
1. In a power condenser washer, a rotary water-feed shaft, a carrier supported at one end of said shaft and rotatable thereabout, mechanism for varying the distance of said carrier from the axis of rotation of the shaft, mechanism operative on rotation of the shaft for actuating the first mentioned mechanism, and a water hose communicating with said shaft and supported at its discharge end by said carrier.

1,589,981. HAIR DRIER. GEORGE W. MOORE, Chicago, Ill. Filed Oct. 20, 1924. Serial No. 744,591. 3 Claims. (Cl. 34—26.)



2. The combination of a fan having an inlet and a discharge; an electric motor in said discharge and a circuit for operating the same; a switch for said circuit; means for controlling the amount of air circulated by said fan; and an operative connection between said controlling means and said switch for opening said switch when the circulation of air by said fan is discontinued, substantially as described.

1,589,982. METHOD OF SUPPLYING FUEL TO INTERNAL-COMBUSTION ENGINES. FRIEDRICH MÜLLER, Vienna, Austria. Filed Mar. 25, 1921, Serial No. 455,573, and in Austria Feb. 1, 1918. 3 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

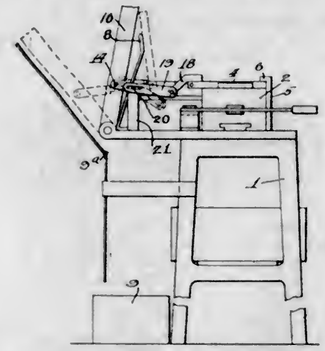


1. The method of controlling the supply of fuel to internal combustion engines working with injection of liquid fuel, which consists in altering the cross-sectional area of the fuel injection opening into the working cylinder proportionally to the speed of the engine, the cross sectional area of said injection opening being increased as the speed of the engine increases and vice versa.

1,589,983. SINGLE-SLEEVE VALVE FOR INTERNAL-COMBUSTION ENGINES. KASIMIR W. NAJDER, Detroit, Mich., assignor of fifteen one-hundredths to Isaac S. Gellert, Detroit, Mich. Filed Sept. 18, 1922. Serial No. 588,875. 7 Claims. (Cl. 123—81.)

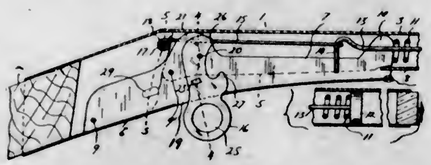
1. In an internal combustion engine, the combination of a cylinder, a piston slidable therein, a sleeve valve slidable in the cylinder and out of contact with the piston at all times, a head closing the outer end of the cylinder and having a tubular portion extending into the valve, said head having a slot and said sleeve valve having an extension projecting through the slot, said valve and cylinder having exhaust and inlet ports adapted to register as the piston makes its scavenging and charging strokes respectively, and means connecting to said extension on the valve to impart rotary and longitudinal movements thereto.

1,589,984. MOLDING MACHINE. WILLIAM S. ROBINSON, Chicago, Ill., assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1925. Serial No. 32,575. 7 Claims. (Cl. 22—150.)



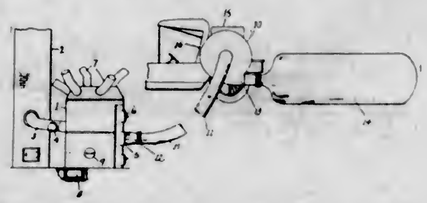
1. In a molding machine, a combined sprue plate and shears, an actuated element, a slidable guide block, a link pivoted at one end to said element and at its other end to said guide block and plate, a depending arm on said sprue plate, a stationary member having a stud, and a link pivoted to said arm and slidably supported by said stud.

1,589,985. AIR GUN. ERNEST S. ROE, Plymouth, Mich., assignor to Markham Air Rifle Company, Plymouth, Mich., a Corporation of Michigan. Filed Apr. 20, 1925. Serial No. 24,526. 15 Claims. (Cl. 124—10.)



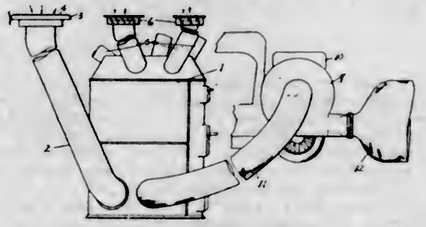
1. In an air gun, the combination with the barrel and stock sections, of a housing for trigger mechanism having a slotted connection with one section and pivotally connected to the other section.

1,589,986. METHOD OF CLEANING FURNACES. TITUS RUSSELL, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich. Filed Aug. 24, 1925. Serial No. 52,172. 3 Claims. (Cl. 15—269.)



3. The method of cleaning a furnace and chimney by providing an exhaust connection to a door of said furnace, closing all openings to the said furnace and opening the smoke pipe damper for free passage of air down the chimney to the said furnace body and out at the exhaust connection and creating a suction in the said exhaust connection that rapidly displaces the air from said furnace body, creating a considerable degree of vacuum and causing a full flow of air down said chimney and flue and through the said furnace and its passages, as specified.

1,589,987. PROCESS FOR CLEANING FURNACE CASINGS. TITUS RUSSELL, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich. Filed Aug. 24, 1925. Serial No. 52,173. 2 Claims. (Cl. 15—269.)



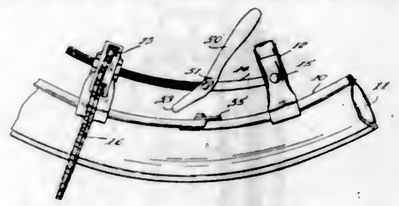
2. The method of cleaning a furnace casing provided with warm air and cold air pipe connections, consisting in providing an exhaust connection to the said furnace casing of sufficient capacity to cause a considerable degree of vacuum in said casing during the cleaning operation, and to draw a strong current of air through the various warm air and cold air pipes, one at a time, and closing all of said pipes and opening them one at a time successively, to insure the débris being carried away by the strong flow of air created by said exhaust.

1,589,988. CHROMIUM PLATING. KEVIE WALDEMAR SCHWARTZ, New York, N. Y., assignor, by mesne assignments, to Chromium Products Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 11, 1924. Serial No. 749,347. 3 Claims. (Cl. 204—1.)

1. In the deposition of metallic chromium from aqueous baths of acid nature containing CrO_3 as the predominant acid, the process which comprises electrolyzing with an anode containing metallic chromium.

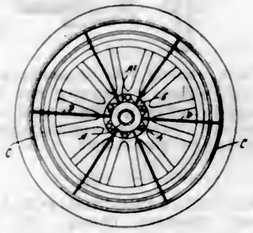
1,589,989. TIRE-REMOVING TOOL. ROBERT SEAFERD, Cleveland, Ohio. Filed Mar. 24, 1922. Serial No. 546,281. 1 Claim. (Cl. 157—1.)

In a tire removing tool, the combination of a pair of clamps each provided with means to engage a rim, a threaded shaft pivotally mounted on one of the clamps and extending through the other, said other clamp having a central recess with flaring openings on opposite sides thereof, a nut on the shaft located in the recess having an angular exterior and adapted to



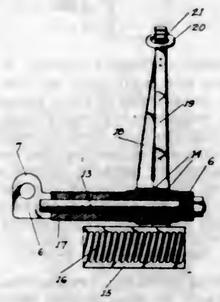
wobble in said recess, a sprocket wheel mounted within the clamp carrying the nut in a cavity therein and having an annular interior opening loosely engaging the nut, and a chain on the sprocket wheel leading to the exterior of the clamp which carries the nut.

1,589,990. TIRE FENDER. EDWARD D. SELDOMRIDGE, Muncie, Ind. Filed Oct. 19, 1925. Serial No. 63,231. 4 Claims. (Cl. 301—39.)



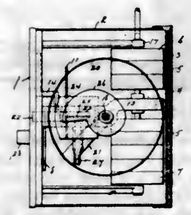
4. A fender device for vehicle wheels, comprising a frame piece adapted to be clamped securely to the wheel hub and having spaced slots therein, an annular resilient ring of diameter less than that of the wheel tire, radial resilient rods having their outer ends secured to the said ring and their inner ends adapted to be inserted in said slots, and means to draw and secure the said rods to the said frame piece.

1,589,991. QUICK-RELEASE FEED DEVICE FOR DRILLS. JOHN E. SHAW, Melones, Calif. Filed May 26, 1925. Serial No. 32,906. 1 Claim. (Cl. 255—45.)



A feed device attachment for rock drills having a longitudinally movable cylinder in which the drill is mounted, and a relatively stationary feed screw; comprising a yoke frame consisting of arms adapted to be fixed onto and extend rearwardly from the sides of the cylinder and a cross member at the rear ends of the arms, a pin extending between said cross member and the adjacent end of the cylinder, said pin being offset from and parallel to the screw, cooperating tapped sleeve members to engage the screw and supported by the pin, and means applied to the sleeves for moving them to and from each other at will.

1,589,992. SPEEDOMETER. JAMES T. SIBLEY, New York, N. Y. Filed Feb. 5, 1924. Serial No. 690,712. 6 Claims. (Cl. 264—21.)

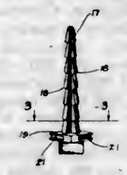


1. In a speedometer, the combination of a rotatably mounted index drum, a control spring for restraining the rotation of said drum, means for directing a rapidly pulsating air jet within and against the inner face of said drum to rotate the same against the restraint of said control spring, and automatic means actuated in unison with said drum for gradually reducing the effect of said jet impulses.

1,589,993. GAS-RANGE BURNER. OTTO SIEGLER and EUGENE G. SIEGLER, Belleville, Ill. Filed Mar. 29, 1924. Serial No. 702,734. 3 Claims. (Cl. 158—104.)

1. A gas burner for a range comprising a pair of spaced apart paralleling hollow legs each having a row of upwardly inclined discharge openings, each of said rows of openings being inclined outwardly from each other, and a pair of transversely disposed hollow legs joining with said other pair of hollow legs each being provided with a row of downwardly and inwardly directing discharge openings.

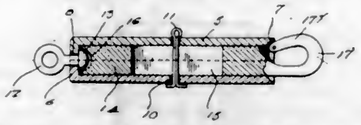
1,589,994. ARTIFICIAL TOOTH OR CROWN AND FASTENING MEANS THEREFOR. ALFRED K. SIMMONS, Faribault, Minn., assignor of thirty-five one-hundredths to Gus N. Boosalis and fifteen one-hundredths to Lucius A. Smith, both of Faribault, Minn. Filed Aug. 24, 1922. Serial No. 584,115. 2 Claims. (Cl. 32—30.)



1. The combination of a dental post having a longitudinal channel and a plurality of transverse corrugations, said post being adapted to be cemented in a recess, a collar on said post adjacent its outer end and adapted to be cemented within a suitably shaped socket in a

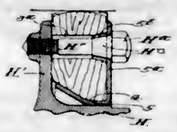
crown or similar article, a groove in the edge of the collar whereby cement may be received therein and the collar retentively held, and terminal abutments on said post adapted to be received and cemented within a socket in said crown.

1,589,995. TIRE-CHAIN-TIGHTENING COUPLING. ARCHIE N. SMITH, Grangeville, Idaho. Filed Nov. 7, 1925. Serial No. 67,573. 4 Claims. (Cl. 24—239.)



1. A tire chain tightening coupling comprising a tubular body including two longitudinal halves and having an interior thread and a closed end with a longitudinal central aperture therein and also having a flared mouth at its opposite end, and intermediate, diametrical apertures in coincidence with each other, a connector having a shank turnable in the longitudinal central aperture of the body and also having an enlargement at the inner end of said shank, an exteriorly threaded and longitudinally slotted core disposed in the body and having a recess in its heel end and also having at its opposite end a hook, the bill of which is adapted to be disposed in and guarded by the said flared mouth of the body, and a cotter pin extending through the registered apertures of the body section and the longitudinal slot of the core, and serving the twofold function of connecting the body sections together and preventing casual shifting of either the body or the core with respect to the other.

1,589,996. WHEEL FOR AUTOMOBILES. ARTHUR V. SOMERS, Flint, Mich., assignor to Baker Wheel & Rim Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 6, 1922. Serial No. 599,251. 1 Claim. (Cl. 301—85.)

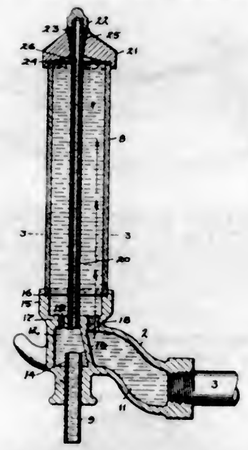


In a vehicle wheel the combination of a hub barrel and back flange, a wood wheel hub center in engagement with the back flange and having a plurality of bolt holes therein, a metal facing for the wood hub center having a plurality of projecting portions extending into said bolt holes, said projecting portions having tapered openings therein, a plurality of bolts, each having a tapered portion adjacent one end, which coact with the tapered openings of the metal facing, said back flange having threaded openings therein to receive the threaded ends of the bolts.

1,589,997. DISPLAY SPOUT FOR DISPENSING PUMPS. CHARLES SPAETH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 6, 1924. Serial No. 730,339. 8 Claims. (Cl. 221—80.)

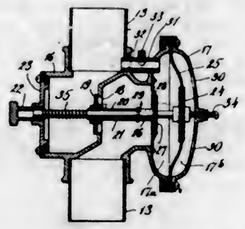
1. A liquid dispensing faucet including an outlet spout and a display chamber, the latter being provided with an inlet port and capillary outlet ports to the outlet spout, one of said capillary ports comprising a capillary tube communicating with the upper portion of the display chamber and serving in the initial operation of the device to vent the display chamber as the latter is filled, said tube thereafter being filled with fluid.

8. A spout head for dispensing pumps, having an intake passage and an outlet chamber therein and a recessed seat at its top provided with relatively large and small capillary ducts in communication with said intake passage and outlet chamber respectively, a cylindrical glass column mounted upon said seat, a central capillary tube within said glass column connected with said spout head and open at its bottom to said outlet chamber, a cap



sleeved over said capillary tube in sealing position upon the top of said column, a fastening nut for said cap engaged with said capillary tube, and said capillary tube having an opening therein in communication with the upper interior part of said column.

1,589,998. PNEUMATIC-DISPATCH APPARATUS. JOSEPH JOHN STOETZEL, Chicago, Ill., assignor of forty per cent to Atlas Devices Company, Inc., a Corporation of New York. Filed July 17, 1922. Serial No. 575,485. 14 Claims. (Cl. 243—9.)

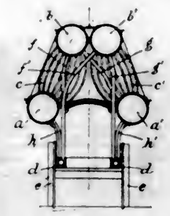


1. In a pneumatic dispatch system, a tube line, a valve in the tube line controlling the flow of air therethrough, means for exerting a force tending to seat the valve, a device responsive to the pressure in the line for exerting an opposite force normally tending to balance the valve, a device for preventing the complete closing of the valve thereby to normally permit a partial flow of air through the line, and means cooperating with said device and responsive to variations in the pressure in the line for actuating the valve, substantially as described.

1,589,999. STEAM BOILER. PETER THOMSEN, Cassel, Germany, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Filed Apr. 28, 1925, Serial No. 26,324, and in Germany May 2, 1924. 8 Claims. (Cl. 122—325.)

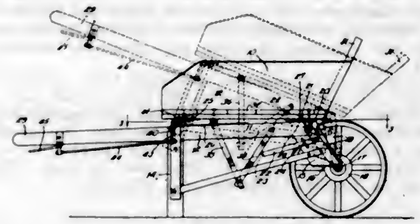
1. A boiler comprising a fire box, a smoke box, upper left-hand and right-hand and lower left-hand and right-hand steam and water containers extending longitudinally from said fire box to said smoke box, water tubes con

necting the said left-hand containers, other water tubes connecting the said right-hand containers, said fire box having a grate located below the level of said lower



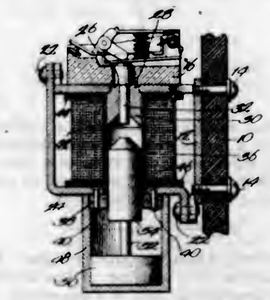
containers, water chambers located at opposite sides of said grate, and water tubes connecting said water chambers with said containers and forming side walls for said fire box.

1,590,000. WHEELBARROW. HENRY C. TROWE, Hammond, Ind. Filed May 8, 1922. Serial No. 559,180. 4 Claims. (Cl. 298—3.)



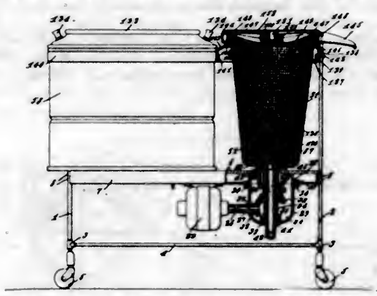
1. In a wheelbarrow, the combination of a frame comprising a carrying wheel and an axle therefor, a body normally supported on the frame in rear of said axle, said body being slidable lengthwise of the frame and tiltable at the end of its forward sliding movement, links pivoted on said axle and pivotally connected to said body, and means for limiting the pivotal movement of said links about said axle to thereby limit the sliding movement of the body and permit the tilting movement of the body.

1,590,001. SOLENOID. HERMON L. VAN VALKENBURG, Milwaukee, Wis., assignor to Industrial Controller Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 27, 1925. Serial No. 33,095. 7 Claims. (Cl. 175—372.)



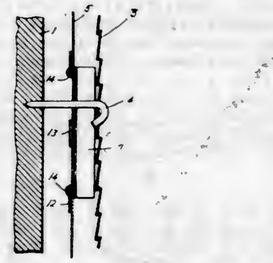
1. A solenoid frame having two L shaped brackets adapted to engage each other at diagonally opposite ends to form an enclosed rectangle in which the solenoid may be mounted.

1,590,002. RINSING AND DRYING APPARATUS. HAROLD F. VIEAU, Liverpool, ROY C. HIGBY, Big Moose, and EDWARD J. O'NEILL, Syracuse, N. Y. Filed Sept. 5, 1925. Serial No. 54,770. 11 Claims. (Cl. 210—67.)



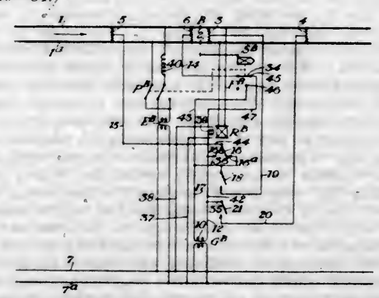
1. In an apparatus for the purpose set forth a vertically disposed revoluble receptacle forming a combined rinsing and drying chamber, an adjustable drain board, means carried at the top of the receptacle to permit of adjustably positioning said board circumferentially with respect to the receptacle for directing the overflow from said chamber to the point desired.

1,590,003. WALL SHEATHING. GEORGE F. VOIGHT, Oakland, Calif. Filed Oct. 13, 1923, Serial No. 668,371. Renewed Apr. 14, 1926. 10 Claims. (Cl. 72—118.)



1. In means of the character described, a furring unit formed of sheet metal and comprising a pair of laterally spaced apart lath supports, an intermediate body portion connecting said supports together, and lips on the furring unit adapted to be projected through a sheet of paper and to clinch against the back thereof for securing the furring unit thereto.

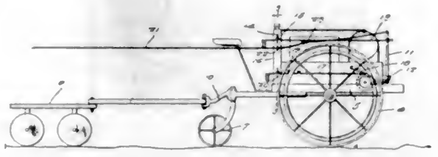
1,590,004. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1923. Serial No. 658,144. 14 Claims. (Cl. 246—34.)



4. Railway traffic controlling apparatus comprising two sections of railway track, and a single energy source for

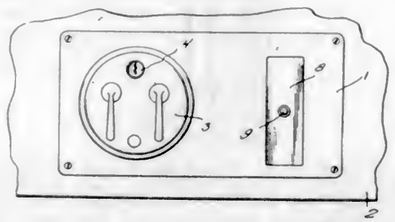
supplying local current of one relative polarity or the other to a portion of one of said sections and of a single relative polarity to a portion of the other said section.

1,590,005. OPERATING ATTACHMENT FOR TRACTORS. ELMER E. WATERMAN, Remus, Mich. Filed Aug. 26, 1925. Serial No. 52,613. 2 Claims. (Cl. 180—77.)



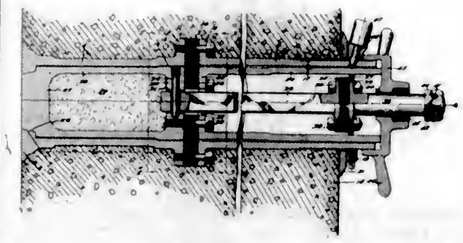
1. A tractor control mechanism including in combination a pair of levers for operating the clutch and brake mechanism of a tractor, rods pivotally engaged with the levers, keepers through which the rods extend, intermediate portions of the rods being bent ratchet like for engagement with the keepers, and reins attached to the levers.

1,590,006. IDENTIFICATION-CARD-RECEPTACLE ATTACHMENT FOR AUTOMOBILES. MARVIN H. WERLEY, Allentown, Pa. Filed Jan. 13, 1925. Serial No. 2,103. 3 Claims. (Cl. 70—14.)



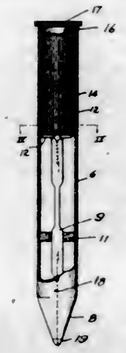
3. In combination with the ignition switch of an automobile, and the usual locking means associated with said switch, of a casing supported on the rear face of the instrument board of the automobile, a receptacle adapted for slidable movement in said casing, and through the instrument board, said casing and said receptacle being provided with registering openings, a slidable bolt supported on the rear face of the instrument board, the inner end thereof being adapted to be disposed in said registering openings for locking the receptacle in the casing, an elongated rod adapted for slidable movement on the rear face of the instrument board, the outer end thereof being operatively associated with the outer end of the slidable bolt, the inner end of the rod being operatively associated with the rotatable element of the usual cylindrical lock of the ignition switch whereby the sliding bolt is operated simultaneous with the operation of the ignition switch locking means for locking and unlocking the receptacle with respect to the casing, the opposed sides of the casing being provided with elongated slots, a pin supported transversely on the rear end of the receptacle and the ends thereof extending beyond the respective sides of the receptacle, the ends of the pin being disposed within the respective longitudinal slots and cooperating therewith for limiting the sliding movement of the receptacle with respect to the casing.

1,590,007. BANK VAULT. ROSS R. WEST, San Francisco, Calif. Filed Nov. 2, 1925. Serial No. 66,297. 10 Claims. Cl. 109—1.)



1. The combination with a vault wall of a metallic sleeve embedded in and extending through the wall, an annular shoulder on the inner side of the sleeve at its outer end, a plug screwed into said sleeve and forming a tight engagement with said shoulder, and means for rotating said plug comprising a wrench positioned within the plug and extending therefrom and means for rotating said wrench.

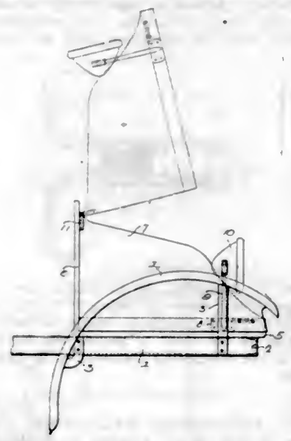
1,590,008. POTENTIAL DETECTOR. JAMES BRYANT WHITMORE and JOHN EBLING FERGUSON, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Jan. 30, 1922. Serial No. 532,585. 6 Claims. (Cl. 175—183.)



1. A potential detector comprising a casing, a discharge tube and a corrugated conductor disposed therein and leading-in wires projecting from said tube and positioned between said conductor and a wall of said casing to prevent lateral movement of said tube.

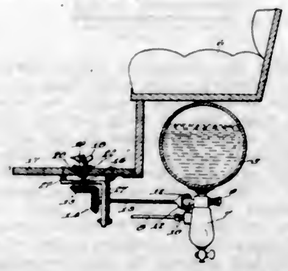
1,590,009. MOTOR-VEHICLE HOOD. EDDY R. WHITNEY, Philadelphia, Pa., assignor to Commercial Truck Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 24, 1923. Serial No. 620,933. 2 Claims. (Cl. 180—69.)

1. The combination in a motor vehicle, of a frame; a dash mounted on the frame; a hood located in front of the dash and hinged thereto; with lamps secured to the hood at opposite sides thereof so that when the hood



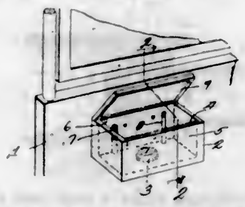
is raised the lamps are raised with it, leaving a clear space for access to the mechanism enclosed by the hood.

1,590,010. GAS CUT-OFF. VERLAND E. WUTHNOW, Dillon, Kans. Filed Dec. 28, 1925. Serial No. 78,052. 2 Claims. (Cl. 137—139.)



2. A device of the character described comprising a vertical shaft, a horizontal shaft, means operatively connecting the same, supporting means for said shafts including an L-shaped bracket invertedly arranged with the horizontal section thereof supporting said vertical shaft and the vertical section supporting said horizontal shaft and a pair of attaching arms for each section of the bracket and a wing nut secured to the upper end of said vertical shaft.

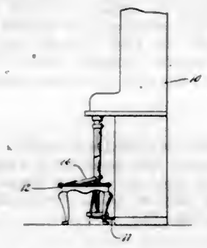
1,590,011. REFLECTING BOX. FRANK J. DONAHUE, Omaha, Nebr. Filed Feb. 28, 1923. Serial No. 621,962. 1 Claim. (Cl. 88—1.)



The combination with the instrument board of an automobile, of a reflecting box carried thereby, said reflecting box having disposed in the bottom thereof, and

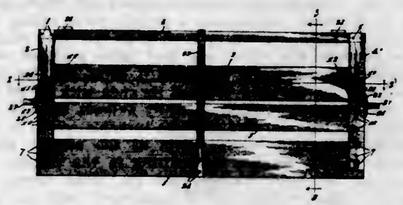
substantially centrally thereof a compass, a barometer carried in the rear wall of the box and disposed therein, a thermometer disposed within the box and secured to the rear wall thereof, a mirror vertically disposed and carried by the inner side of the forward wall of the box, and an angularly disposed reflecting mirror carried by the upper end of the box at an acute angle to the first mentioned mirror and positioned whereby images of the thermometer, barometer and compass will be reflected therein from the vertically disposed mirror and out of registration with each other.

1,590,012. PIANO-PEDAL ATTACHMENT. WALTER DOUBETZ, Chicago, Ill. Filed May 16, 1923. Serial No. 639,320. 4 Claims. (Cl. 84—232.)



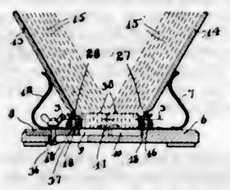
2. A piano-pedal attachment including a supporting member; an auxiliary pedal hinged thereto; a pivoted operating rod suspended from the auxiliary pedal; a shoe carried thereby and recessed to fit upon a sound controlling pedal; and a strip positioned on the supporting member for engaging the rod to prevent disengagement of the shoe from said sound controlling pedal during the operation of said auxiliary pedal, substantially as described.

1,590,013. FRAME FOR STRETCHING AND SUSPENDING HIDES. ST. CLAIR EDE, Dubuque, Iowa. Filed Mar. 18, 1925. Serial No. 16,422. 12 Claims. (Cl. 149—21.)



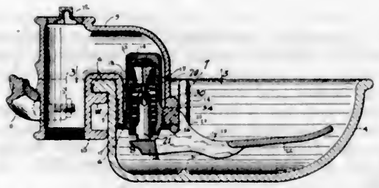
12. A hide stretching frame comprising end and side bars fixedly secured together and a stationary and an adjustable inner bar, the rear side bar constituting a connecting means of a width to coact with a pick up device to suspend the frame with the hide secured to said inner bars and overlapping said front side bar in stretched condition, said front side bar projecting forwardly from the front ends of the end bars to overcome the formation of pockets in the hide when the latter overlaps said front side bar, said stationary inner bar fixed to the end bars and opposing said front side bar, said adjustable bar slidably connected with the end bars and opposing the rear side bar and constituting a hide stretching element, and means for maintaining said adjustable bar in adjusted position, each of said end bars formed of a pair of spaced superposed complemental elements, and a spindle secured to the outer sides of each pair of members.

1,590,014. LOOSE-LEAF DEVICE. CHARLES J. ELLIOTT, Los Angeles, Calif., assignor to Western Lithograph Co., Los Angeles, Calif. Filed Oct. 10, 1922. Serial No. 593,598. 7 Claims. (Cl. 129—1.)



1. In a loose leaf device, covers, a base having means to engage with the covers edgewise, connecting pins having shouldered ends to engage with one of the covers, one cover having a shifting bar to firmly engage the shouldered ends of the pins, and the second cover having means to clamp the smooth bodies of the pins, the pins being fully removable when the covers are engaged with the base.

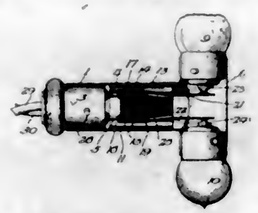
1,590,015. STOCK-WATERING BOWL. CLARENCE J. GARDNER, Horicon, Wis., assignor to Ideal Barn Equipment Company, Horicon, Wis., a Corporation of Wisconsin. Filed Aug. 8, 1925. Serial No. 49,022. 10 Claims. (Cl. 119—73.)



8. In a stock watering bowl, the combination of a bowl provided at its rear portion with vertically extending recesses open at their upper ends, a supply pipe extending into the bowl, said pipe provided on its inner face with a lug, valve mechanism within the supply pipe, the valve thereof normally closing the valve opening of the valve mechanism, a presser plate within the bowl, said plate adapted to operate on the valve mechanism to open the valve, and said plate provided with vertically-elongated slot bearings, a pivot pin for said plate, said pin provided between its ends with an off set or cranked portion which normally extends beneath the supply pipe lug, and said pin also turnably seated in the vertically-elongated bearing slots of the presser plate, and having its opposite ends fitting in the vertical recesses of the bowl, whereby the pin, when turned to bring its offset portion out of engagement with the lug, can be raised upwardly, together with the presser plate, so as to bring said pin and presser plate out of engagement with the bowl, and whereby also the pin after such removal, can be withdrawn longitudinally from engagement with the presser plate, by turning said pin so as to bring the offset portion thereof in line with the vertically-elongated slots.

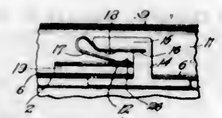
1,590,016. TWIN LAMP SOCKET. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 4, 1924. Serial No. 690,340. 7 Claims. (Cl. 173—337.)

7. A socket for two incandescent lamps, comprising a substantially T-shaped shell having each end of its head provided with formations for interlocking with one lamp, and a body member mounted in the shell; the body member comprising an insulating core disposed within the stem of the T-shaped shell and provided with a pair of oppositely disposed longitudinal channels, a pair of conducting elements extending respectively through the two channels and each having one end extending into the head of the shell for contacting with one of the lamps,



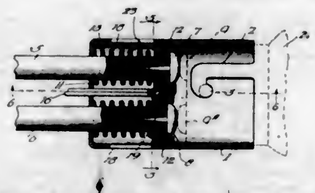
and means for fastening the insulating core to portions of the conducting elements adjacent to the other ends of the latter; the channels being deepened adjacent to the head of the shell to permit the lamp-contacting portions of the conducting elements to be flexed towards each other.

1,590,017. AUTOMOBILE HEADLIGHT. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 11, 1924. Serial No. 691,978. 8 Claims. (Cl. 240—41.)



1. In a lamp, the combination with a forwardly open body member including a rigid radial flange at its mouth, of a reflector having a rim engaging the forward face of the said flange, the rim being provided with spaced recesses, hook structures carried by the body member and each having a portion fast upon the body member and normally extending forwardly of the said flange through one of the recesses and another portion engaging the reflector rim adjacent to the same recess, the body member and the reflector having relatively interengaging parts for preventing rotation of the reflector with respect to the body member, the said interengaging parts being formed to permit such rotation after a predetermined forward movement of the reflector so as to align the said recesses respectively with the last named portions of the hook structures, the said last named portions including yielding means for normally pressing the reflector rim against the said flange.

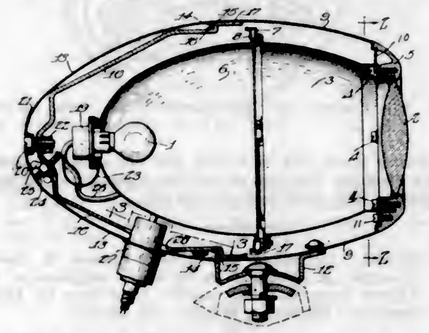
1,590,018. LAMP SOCKET OR CONNECTER. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 25, 1925. Serial No. 18,108. 10 Claims. (Cl. 173—328.)



1. In a double pole socket, a shell open at its forward end, a pair of wire terminals within the shell, a pair of insulators to each having one of the wire terminals fastened to the same, the insulators being jointly housed

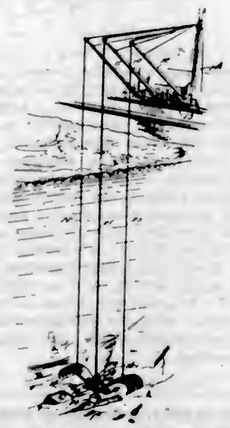
by the shell and independently slidable longitudinally of the shell, a pair of presser members respectively engaging the rear faces of the two insulators, two spring means each urging one of the presser members towards the forward end of the shell, means associated with each presser member for preventing movement thereof rotationally of the shell, and two wires respectively fastened to the wire terminals and jointly disposed for preventing the insulators from rotating upon the presser members.

1,590,019. HEADLAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 10, 1925. Serial No. 55,543. 6 Claims. (Cl. 240—41.)



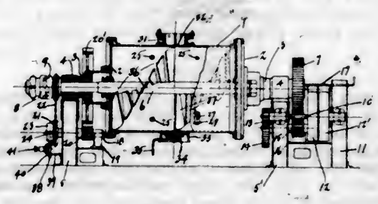
1. In a lamp, a lens ring, a casing comprising two sections disposed one behind the other and having the forward section secured to the lens ring, a reflector housed by the casing; a thrust-receiving member secured to the forward section of the casing and extending within the casing for releasably connecting the latter to the thrust-receiving member, the thrust-receiving member having a shoulder and the forward casing section having an inwardly directed part engaging the shoulder, and releasable means connecting the thrust-receiving member with the rear casing section.

1,590,020. GRAPPLING DEVICE. BERNARD GOLDEN, Newark, N. J. Filed Oct. 22, 1924. Serial No. 745,080. 2 Claims. (Cl. 294—111.)



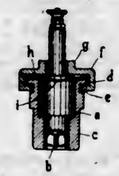
1. A grappling device comprising a pair of jaws hinged together and having extensions beyond the pivot, links hinged together and at their ends to the extensions, means for securing a cable where the links are hinged together, a weight suspended from the pivot of the jaws and lines secured to the jaws for opening them so that they swing above the weight.

1,589,021. MIXING MACHINE. WILLIAM R. GRACE, Brooklyn, N. Y., assignor to Stevens-Aylsworth Company, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1921. Serial No. 519,360. 9 Claims. (Cl. 259—109.)



1. In an apparatus of the character described, a mixing chamber, spirally arranged sets of relatively wide fan-shaped mixing blades rotatably mounted within said chamber, a rotatable shaft for supporting said blades, said blades extending from said shaft to points adjacent the walls of said chamber and having the adjacent edges thereof separated by relatively narrow spaces and angularly disposed throughout substantially their entire length, each of said sets extending from an end of said chamber to one and the same intermediate point in said chamber spaced from the ends thereof, the sets in the different ends of said chamber having the spiral arrangement thereof extending in right and left hand directions respectively, the angular disposition of said blades corresponding to the direction of said spiral arrangement, and the inner end blades of said sets adjacent said intermediate point extending in different directions from the rotating axis thereof.

1,590,022. FIXATION OF SPARK PLUG. HERMANN GROSSER and FRANZ GROSSER, Denstedt, Germany. Filed Jan. 29, 1925, Serial No. 5,590, and in Germany Nov. 8, 1924. 1 Claim. (Cl. 123—169.)

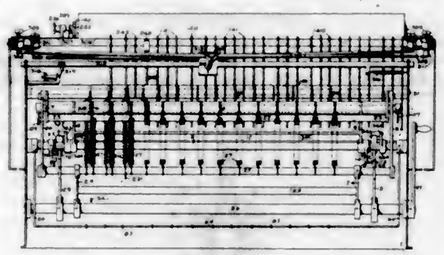


An improved spark plug holder comprising in combination a cylindrical holder for the spark plug, an outwardly directed horizontal flange at the upper edge of said holder said flange being cut away at two opposite points so that two horizontal extensions are formed, a cap having a perforated head through which said spark plug projects, an inwardly directed horizontal flange at the lower edge of said cap said flange being cut away at two opposite points so that two horizontal extensions are formed which together with the extension of the holder form a bayonet joint, and a square wire spring inserted in said cap said wire spring having two opposite corners bent up and two other corners bent down, said bent down corners projecting into the gaps between said horizontal extensions at the lower edges of said cap substantially as described and shown and for the purpose set forth.

1,590,023. BUTTON FASTENER. PETER GRUNSTRA, Clifton, N. J. Filed Oct. 19, 1925. Serial No. 63,435. 7 Claims. (Cl. 24—108.)

1. In a fastener for a button wherein the latter is provided with a looped shank portion, a locking pin formed of a single strand of resilient wire looped intermediate its ends, the looped portion being adapted for engagement with the looped shank portion, the free ends of said locking pin being disposed in parallel abutting relation, a body member having its outer edge turned upwardly, a sleeve like member struck upwardly from the central portion of said body member, and adapted to receive the free ends of said locking pin, means for securing the abutting free ends of the pin in said sleeve, and means for securing the sleeve in an opening provided therefor in a garment.

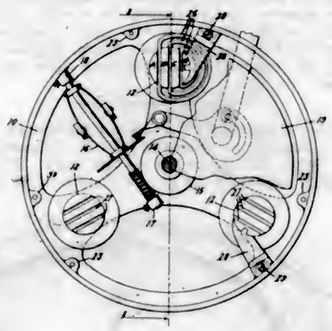
1,590,024. RIBBON FEEDING AND REVERSING MECHANISM FOR CALCULATING AND RECORDING MACHINES. WILLIAM S. GUBELMANN, Buffalo, N. Y. Original application filed Jan. 10, 1900, Serial No. 1,004. Divided and this application filed Sept. 14, 1918. Serial No. 254,065. 20 Claims. (Cl. 235—60.)



1. In a machine of the class described, a pair of ribbon spools adapted to support opposite ends of an inking ribbon, ratchet wheels connected with said spools for turning the latter, a unitary pawl member for alternately driving said ratchet wheels, and an oscillatory driving member supporting said pawl member and operating the same, the connections between said pawl member and said driving member comprising a shiftable pivot point whereby said pawl may be brought into cooperation with either of said ratchet wheels.

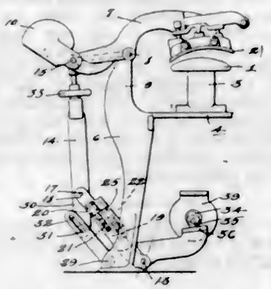
1,590,025. INDUCTION MOTOR. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed June 20, 1924. Serial No. 721,322. 7 Claims. (Cl. 172—278.)

4. An induction motor having a rotatably mounted armature of conducting material, a magnetic member provided with an air gap through which said armature is arranged to rotate, an energizing winding for said magnetic member for producing an alternating flux through the air gap, a plurality of shading coils on said magnetic member adjacent the air gap for producing a progressive



shifting of the flux in the air gap and a magnet shunt for diverting a portion of the flux threading all of said shading coils away from the air gap.

1,590,026. PRESSING MACHINE. SIMEON T. HART, Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Filed June 18, 1924. Serial No. 720,854. 2 Claims. (Cl. 68—9.)

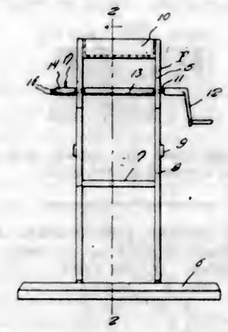


1. A pressing machine comprising a frame, cooperating pressing elements, one movable toward and from the other, and actuating means for the movable pressing element, comprising a power member, a toggle comprising links pivotally connected respectively to the movable element and to the frame independently of the power member, the latter comprising endwisely movable sections and a spring for resisting such endwise movement, and a connection between the power member and the toggle normally arranged in ineffective position and movable into effective position by a preliminary closing movement of the movable element independently of the power member, said connection being connected to the toggle to move the toggle toward final straightened position and to extend the sectional toggle link against the action of its spring when the straightening movement of the toggle is obstructed before the toggle reaches its straightened position.

1,590,027. MACHINE FOR FORMING WIRE ARTICLES. WILLIAM H. HERN, Westville, Okla. Filed Apr. 25, 1925. Serial No. 25,860. 1 Claim. (Cl. 140—83.)

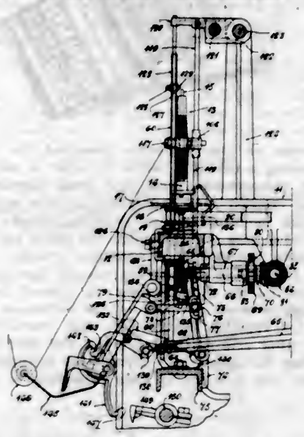
A machine of the class described including a frame, a shaft journaled in the frame, means for rotating the

shaft, a head on one end of the shaft, a pair of spaced parallel pins extending from the end of the head in



parallel offset relation with the axis thereof, and a pin extending radially from the head.

1,590,028. MACHINE FOR WINDING YARNS OR THREADS. HERBERT HOLT, Rochdale, England. Filed Jan. 4, 1926, Serial No. 79,112, and in Great Britain Aug. 25, 1924. 11 Claims. (Cl. 242—27.)

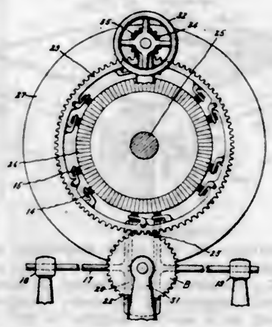


1. A yarn winding machine having a framework with bearings for shafts and comprising a stationary rail for carrying spindles and mechanism comprising spindle bearings carried by said rail, spindle blades revolubly mounted in said bearings and furnished respectively with driven friction members mounted around, in engagement with and movable up and down lengthwise of them, driving friction members mounted around said spindle bearings to receive connection of and to transmit motion to said driven friction members, and means for revolving said driving friction members and in combination therewith a shaft to oscillate in said framework, means for oscillating said shaft, arms fast on said shaft, revoluble screws movable up and down axially, means for connecting said screws and said arms, bevel wheels with central holes surrounding said screws and revolubly mounted in said rail, means for transmitting revolution from said bevel wheels to said screws, bevel wheels severally movable axially for engagement with and disengagement from the bevel wheels around the screws, means for supporting said axially movable bevel wheels, a revoluble shaft mounted in said framework, means for transmitting revolution to said axially movable bevel wheels from said revoluble shaft, means for revolving said revoluble shaft comprising a pawl and ratchet wheel, means for varying the extent of turning movement imparted to said axially movable bevel wheels in the movements of said pawls, guide rods parallel to the axes of the spindle blades means for supporting said guide rods, thread guide carriers each with a tripping mechanism actuating part and surrounding a screw and engaging a guide rod movable lengthwise of such screw and guide rod, thread guides carried by said thread guide carriers, spring pressed dogs in said thread guide carriers severally engageable with and disengageable from said screws, and lifting rods mounted in pairs to slide up and down in said rail parallel to the axes of said spindle blades and presenting their upper ends beneath said driven friction members.

1,590,029. ATOMIZER OR SPRAYING DEVICE. NORMAN HUBBARD, Elizabeth, and THOMAS B. STILLMAN, Hoboken, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed June 9, 1920. Serial No. 387,621. 3 Claims. (Cl. 299—120.)

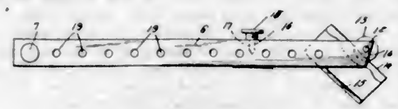
1. In a spraying device, a nozzle and a tip removably secured to said nozzle, said tip having a discharge orifice and a central chamber with smooth continuous walls behind the orifice, and a plurality of ducts connecting said nozzle with said central chamber, and adapted to deliver liquid tangentially to said chamber, said nozzle being provided with a projection adapted to enter a cavity in said tip and contact closely with the walls of said cavity to position said tip on said nozzle.

1,590,030. BRUSH-SHIFTING ALTERNATING-CURRENT MOTOR. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 10, 1923. Serial No. 661,769. 10 Claims. (Cl. 172—280.)



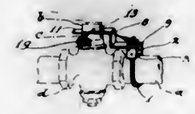
3. The method of controlling the speed and power factor of an alternating current motor wherein a regulating commutated winding is connected to a relatively movable secondary winding through sets of brushes associated with the opposite ends of the different phases of said secondary winding which comprises successively moving the brushes connected to opposite ends of said secondary phase windings in opposite directions at different rates of speed, moving said brushes in the same direction at different rates of speed, and moving said brushes in the opposite direction at different rates of speed.

1,590,031. CUTTING TOOL. FRANK IMHOF, Atlantic City, N. J. Filed Nov. 26, 1921. Serial No. 517,866. 1 Claim. (Cl. 30—9.)



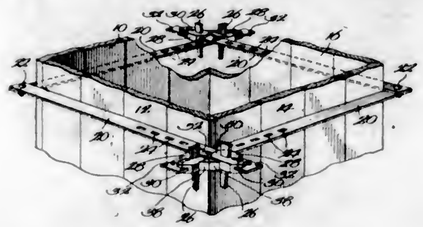
A tool of the character described comprising relatively movable arms having mating semi-cylindrical threaded recesses in their abutting faces together forming a threaded bore when the arms are secured together and adapted to receive a threaded shank of a finger rest, a cutting blade adapted to be inserted between said arms, an means to clamp said blade between the arms.

1,590,032. LOCKING DEVICE FOR GAS-SERVICE COCKS AND THE LIKE. FREDERIC W. JAUCH, Pittsburgh, Pa. Filed Aug. 26, 1924. Serial No. 734,222. 2 Claims. (Cl. 292—307.)



1. In combination with a gas service cock and the like, a locking device comprising a U-bolt and a yoke adapted to engage the supply pipe of said cock; a lock-plate secured to said U-bolt and yoke; said lock-plate being bent substantially in the shape of a Z and having a unitary aperture provided in the upper plane portion thereof adapted to be engaged by the plug of said cock and prevent the rotation of said plug.

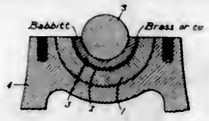
1,590,033. TIMBER CLAMP FOR CONCRETE CONSTRUCTION. JOSEPH W. KEFFER, Chicago, Ill. Filed Sept. 10, 1925. Serial No. 55,492. 6 Claims. (Cl. 144—291.)



1. In mechanism of the class described, a pair of elongated members intersecting each other, engageable with sides of a column to be adjusted, a block slidable on each of said intersecting members, engageable with the other block on a surface angular to the lengths of the intersecting members and means independently forcing each block along its intersecting member until said blocks engage along their surface of contact with resulting positioning of the column sides.

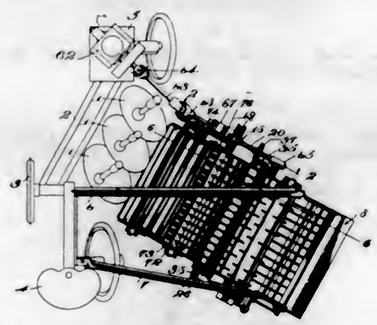
1,590,034. METAL COATING. FLOYD C. KELLEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 10, 1920. Serial No. 380,023. 4 Claims. (Cl. 91—70.2)

1. The method of coating cast iron with a non-ferrous metal which comprises heating the cast iron to a temperature sufficiently high to decarburize the surface to be coated, applying cryolite to said surface and bringing



copper in a molten state into contact with the cryolite coated surface in a reducing atmosphere.

1,590,035. SOIL SCREEN FOR PLOWS. JOHN KEMP, Dahlen, N. Dak. Filed Nov. 1, 1924. Serial No. 747,246. 3 Claims. (Cl. 97—10.)

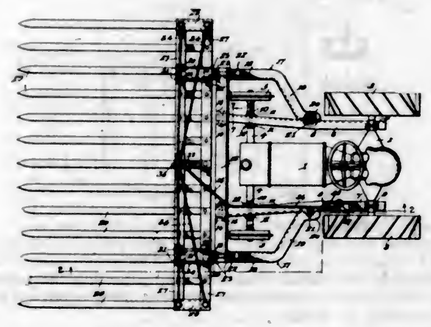


1. A device of the character described for throwing soil comprising a casing a series of racks in said casing in stepped arrangement, each rack being composed of a plurality of crooked rods and including bars upon which the rods are mounted, means including blocks through which the bars pass and by which the racks are slidably mounted upon the casing, a revoluble cylinder carrying means to throw soil rearwardly toward the tracks, an eccentric driven by said cylinder; a pivoted bell-crank, a connection between one arm of the bell-crank and the eccentric for rocking the former, and connections between the other arm of the bell-crank and said racks for reciprocating the latter, said connections including a connecting bar and a series of rods extending to the rack bars.

1,590,036. FLUSH WALL SWITCH. LESLIE A. KEMPTON, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 740,411. 6 Claims. (Cl. 200—72.)

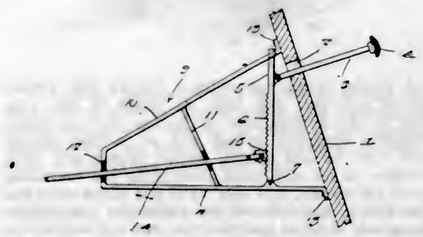
1. A two button electric switch having a bridge member provided with passageways for the buttons and integral side webs bent into parallelism from opposite sides of the center thereof and said side webs having arcuate extensions about said passageways.

1,590,037. BUCKRAKE ATTACHMENT FOR TRACTORS. JOHN W. KREBS, Phoenix, Ariz. Filed Oct. 13, 1925. Serial No. 62,277. 2 Claims. (Cl. 56—27.)



1. In a buckrake support for use in connection with tractors, a pair of substantially parallel beams designed to extend longitudinally of a tractor and be supported by the axles thereof, an arm member upon the outside of each beam, each arm having an outer portion extending forwardly of the tractor and an angled inner portion secured at its end to the adjacent beam, a transverse beam overlying the extended ends of said pair of beams and of the outer portion of each arm, a pivotal connection between the transverse beam and the pair of beams and the pair of arms, a buckrake, and pivotal connection between said buckrake near the rear thereof and the forward ends of the outer portions of said arms.

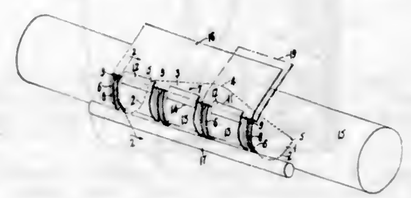
1,590,038. FOOT ACCELERATOR. PAUL G. KRENZ, White Salmon, Wash. Filed May 3, 1926. Serial No. 106,444. 3 Claims. (Cl. 74—81.)



1. In a device of the class described, in combination, a foot board, a support on said foot board, said support being provided with bearings, an operating rod slidably mounted in said bearings, a lever pivotally mounted on said support and having operating connection with said rod, said lever being disposed at a substantial right angle to said operating rod, and a foot pedal pivotally connected to said lever and extending through an opening in said foot board.

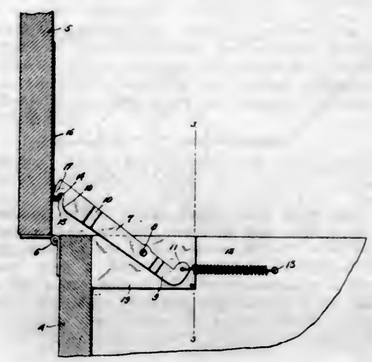
1,590,039. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 3, 1922. Serial No. 592,006. 10 Claims. (Cl. 197—136.)

1. To co-operate with a cylindrical platen of a typewriting machine, a card or label holder of thin resilient sheet-material to be sprung upon the platen to grip the platen, so as to be detachably held in position thereon by reason of its resiliency, said holding comprising a body-part, and a series or set of fingers, at least one of which is for gripping and pressing one of the margins of a card or label against the platen to hold it for typing, and at least another of which is for cooperating with the body-part to grip the platen for retaining said holder in place on the platen, said platen-gripping finger or fingers being provided longitudinally thereof with an outwardly-projecting stiffening rib extending back into said body-part, and said card or label gripping fingers or



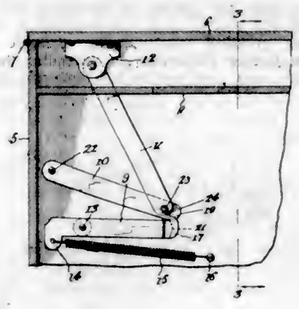
fingers having a gripping lip at the free end thereof, and back of said lip having a portion bulged away from the platen and also having a fulcrum-forming portion to be pressed against the platen between said gripping lip and said bulged portion, so that pressure upon said bulged portion will raise said lip away from the platen to facilitate the insertion and adjustment of the card or label, said bulged portion projecting from the platen to a less extent than said stiffening rib, whereby said bulged portion will not be pressed upon by parts of the machine adjacent the platen when the platen is rotated.

1,590,040. LID SUPPORT. DAVID C. LAMB, Sturgis, Mich., assignor to Caswell-Runyan Co., Huntington, Ind., a Corporation of Indiana. Filed Sept. 23, 1925. Serial No. 58,192. 3 Claims. (Cl. 217—60.)



1. A lid support for boxes and the like comprising a lever fulcrumed intermediate its ends to a side wall of the box just beneath the lid, resilient means coupled to one end of said lever for swinging the same to open the lid, said lever having a wide cam portion at one end for engaging the lid, stop means on the lever beyond said cam portion for engaging said lid subsequent to its engagement with the cam portion in the opening movement of the lid, and cooperating stop means carried by said lid.

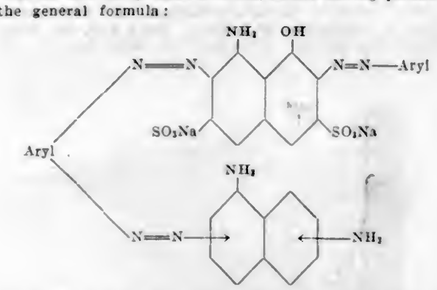
1,590,041. LID SUPPORT. DAVID C. LAMB, Sturgis, Mich., assignor to Caswell-Runyan Co., Huntington, Ind., a Corporation of Indiana. Filed Nov. 23, 1925. Serial No. 70,987. 9 Claims. (Cl. 217—60.)



2. A lid support for cabinets and the like, comprising a lid stay coupled to the lid and to the cabinet, and a spring-pressed lever sliding directly and frictionally against said stay for facilitating the opening and closing movement of the lid and for retaining the lid in adjusted position.

1,590,042. TRISAZO DYESTUFFS AND PROCESS OF MAKING SAME. AUGUST LEOPOLD LASKA and FRITZ WEBER, Offenbach-on-the-Main, Germany, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed July 23, 1925, Serial No. 45,695, and in Germany Nov. 15, 1924. 6 Claims. (Cl. 260—74.)

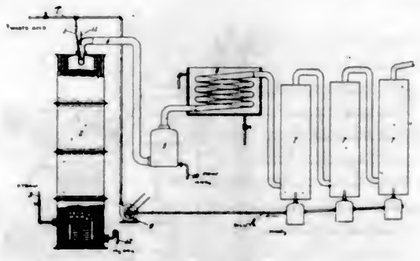
1. As new compounds trisazodyestuffs having probably the general formula:



which are, when dry, bluish black bodies, soluble in water to a deep dark solution, yielding upon reduction with stannous chloride an arylamin, the 1-hydroxy-2.7.8-triaminonaphthalene-3.6-disulfonic acid, a para diamin-base and a triaminonaphthalene, dyeing cotton and wool in bluish black shades and therefore especially adapted for dyeing mixed fabrics of cotton and wool.

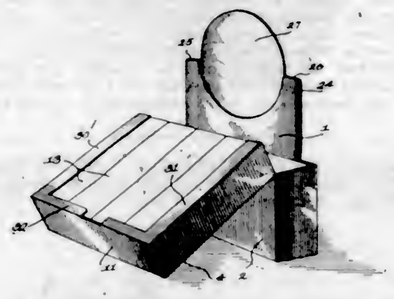
1,590,043. PRODUCTION OF CONCENTRATED NITRIC ACID FROM WASTE ACIDS. HOWARD N. LENTZ, Gibbstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 20, 1921. Serial No. 523,622. 5 Claims. (Cl. 23—161.)

2. The process which comprises subjecting a current of waste acid free from aromatic compounds and having more nitric acid than nitrososulfuric acid to a current of steam, the rate of flow of the steam being sufficient to effect complete denitration of said waste acid, condensing the nitric acid portion of the vapors arising from said waste acid, separating the nitrogen tetroxide from the resulting condensate, converting the nitrogen



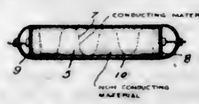
tetroxide into dilute nitric acid, and returning the latter to the current of waste acid which is being subjected to a current of steam.

1,590,044. DISPLAY CARTON. FRANK X. LIST, New York, N. Y., assignor to National Card Mounting Company, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1923. Serial No. 665,085. 3 Claims. (Cl. 206—44.)



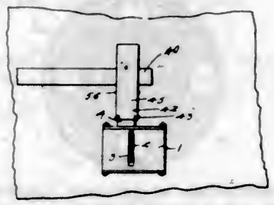
1. A display carton comprising a tubular body divided along its top wall and sides to admit of the body hinging in two sections upon the bottom wall to provide an upright supporting section and an inclined display section, said inclined display section having side walls and strips on the side walls overlapping the containing space of the section, said side walls and strips extending to the divison line between the supporting and display sections, and a panel cut out from the top wall of the box along said strips and extending upwardly with the upright section.

1,590,045. HIGH-RESISTANCE ELECTRICAL CONDUCTOR. CHARLES FREDERICK LORENZ, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 17, 1923. Serial No. 625,777. 15 Claims. (Cl. 201—76.)



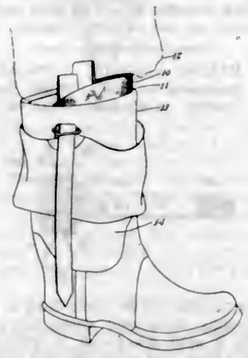
6. A high-resistance element comprising a body of chemical compounds capable of reduction and having a portion thereof of helical form reduced to provide an electrical conductor.

1,590,046. REGISTERING SEAL FOR CAR AND OTHER DOORS. EUGENE O. MAN and CLAUDE C. MCFATE, Denver, Colo. Filed Mar. 21, 1925. Serial No. 17,379. 12 Claims. (Cl. 70—6.)



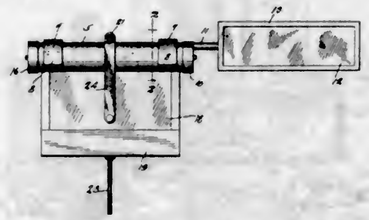
1. A seal comprising a registering mechanism, means adapted to removably connect the seal to a lock element, and means adapted to be moved by the lock element during the application of the seal thereto to effect the actuation of the registering mechanism.

1,590,047. RUBBER BOOT. FREDERICK H. MARTIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 15, 1925. Serial No. 2,475. 2 Claims. (Cl. 36—4.)



1. A rubber boot including a flexible leg portion adapted to be folded down to reduced length, and a self-sustaining shield united with the leg of the boot and adapted to project above the line of fold by reason of its own stiffness to protect the latter from wear.

1,590,048. COMBINATION MIRROR AND SUN BLINDER. JOHN N. METTEL, Dubuque, Iowa. Filed Jan. 20, 1926. Serial No. 82,589. 1 Claim. (Cl. 296—97.)

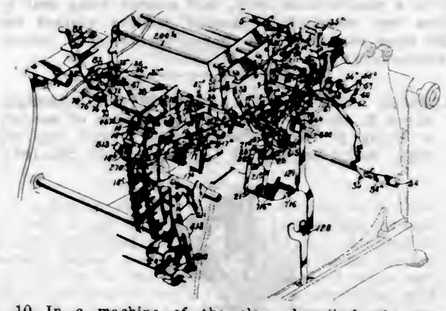


In a device of the character described, a support including a tubular section, a curved plate secured to the tubular section, connecting arms having curved end portions, adapted to embrace portions of the tubular section and the curved plate to secure the tubular section and curved plate together, means for securing the support to a windshield, said tubular member and said curved plate being connected to provide a space therebetween, a rod extending through the space and secured therein, and a mirror adjustably supported on the rod.

1,590,049. PROCESS AND APPARATUS FOR UTILIZING ENERGY OF FLOW. LEWIS FERRY MOODY, Philadelphia, Pa. Filed Aug. 27, 1921. Serial No. 496,154. 26 Claims. (Cl. 253—17.)

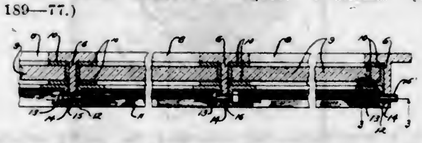
8. In a hydraulic machine or apparatus, means for decelerating the velocity of flow comprising an expanding conduit having a substantially constant pressure throughout.

1,590,050. ADDING MACHINE. ROBERT L. MULLER, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 28, 1922. Serial No. 591,010. 37 Claims. (Cl. 235—60.)



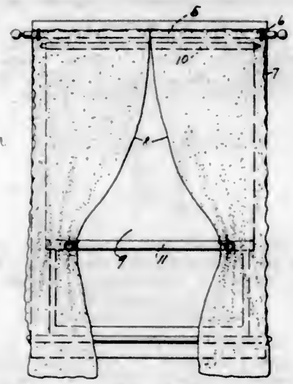
10. In a machine of the class described, the combination of an accumulator, differential mechanism therefor, amount determining devices for controlling said differential mechanism, and a manipulative device operated in conjunction with said amount determinging devices to enter a constant amount in said accumulator as an incident to entering the selected amount in said accumulator represented by the operated amount determining devices.

1,590,051. GLAZING ANGLE FOR METALLIC WINDOW SASHES. ANDERS H. NESHEIM, Milwaukee, Wis., assignor to Federal Steel Sash Company, Waukesha, Wis., a Corporation of Wisconsin. Filed Jan. 7, 1924. Serial No. 684,887. 5 Claims. (Cl. 189—77.)



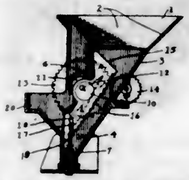
1. In a metallic window sash construction, the combination with a sash frame providing openings having flanges adjacent thereto, said flanges being provided with spaced holes, of glass panes positioned intermediate said flanges, closing said openings; and glazing frames for retaining said panes in position, said frames including spaced members, one of which is provided with holes registering with said flange holes, and the other of which is provided with projections adapted to enter the registering holes of a sash flange and an adjacent glazing frame member.

1,590,052. CURTAIN HOLDER. MICHAEL NIKOLA, Memphis, Tenn. Filed Nov. 27, 1925. Serial No. 71,563. 5 Claims. (Cl. 156—33.)



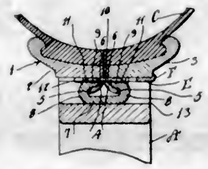
1. A device for draping curtains, comprising a resilient member, having at one end thereof means for clamping it to a window-shade stick, said member being bent to form two substantially parallel portions adapted for the loose reception of a draped portion of a curtain therebetween.

1,590,053. FEEDER FOR BRIQUETTING PRESSES. ALOIS K. NOWAK, Canton, Ohio, assignor of one-half to Frank H. Smith, Canton, Ohio. Filed July 23, 1921. Serial No. 487,090. 10 Claims. (Cl. 25—103.)



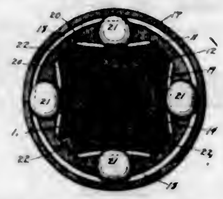
1. In a feeder, a plurality of interfingering reciprocating bars, each of said bars having elongated angularly disposed longitudinal and end edges, and means for actuating said bars to continuously move material across the ends of the bars and longitudinally thereof.

1,590,054. DEMOUNTABLE TIRE RIM. HAROLD W. OLSEN, Tacoma, Wash. Filed Oct. 3, 1925. Serial No. 60,300. 2 Claims. (Cl. 301—35.)



2. A demountable rim comprising two mating annular sections provided with mating, integral, backwardly curved flanges at intervals around them and interiorly thereof, clamping members adapted to engage said flanges, each of said clamping members including a plate having inwardly curved edges to engage within the backwardly curved flanges, said flanges having openings therein adapted to aline and the edges of the clamping members provided with grooves to aline with said openings, and pins insertable through said openings and engaging said grooves to lock the clamping members on said flanges.

1,590,055. MACHINE ELEMENT. WILLIAM E. PORTER, Denver, Colo. Filed Dec. 7, 1922. Serial No. 605,453. 5 Claims. (Cl. 64—96.)

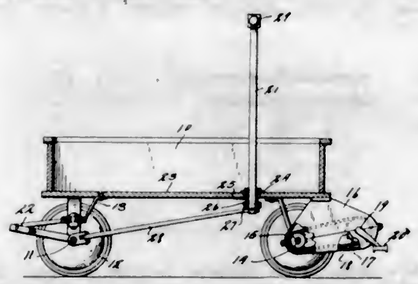


1. The combination of an inner coupling unit, an outer coupling unit having a housing rim encompassing said inner unit, in substantially spaced relation, and a plurality of resiliently cushioning rounded elements directly mounted peripherally therebetween, the said rounded elements being seated, in annularly spaced relation therearound, by means embodying a continuously annular grooved face disposed around one of said units and registering grooved elongated reversely operating wedging faces formed around the other of said units, for coaction with said continously annular grooved face to cause the limited roll of said rounded elements, additionally of rotation around their own axes, in all directions of rotation of said units, with a cushioned gradual binding together of all of said parts, upon the rotary movement of one of said coupling units.

1,590,056. MIXING DEVICE. PHILLIP SHERIDAN PRATHER, Sacramento, Calif. Filed Dec. 19, 1925. Serial No. 76,481. 2 Claims. (Cl. 48—180.)

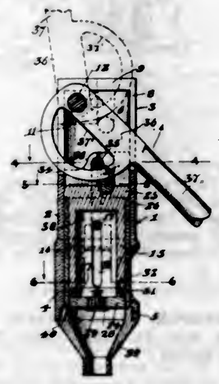
1. A rotary mixing device comprising a gasket plate, a shaft extending from said gasket plate, said shaft provided with a split outer end, a hub provided with propeller blades upon said split outer end, ball bearings between said split end and said hub, and a cap provided with a core to fit in said split end and with a flange to fit in said hub holding said ball bearings in place as well as said hub and propeller blades.

1,590,057. COASTER WAGON. PAUL K. RAASCH, East Akron, Ohio. Filed Dec. 15, 1925. Serial No. 75,592. 3 Claims. (Cl. 208—114.)



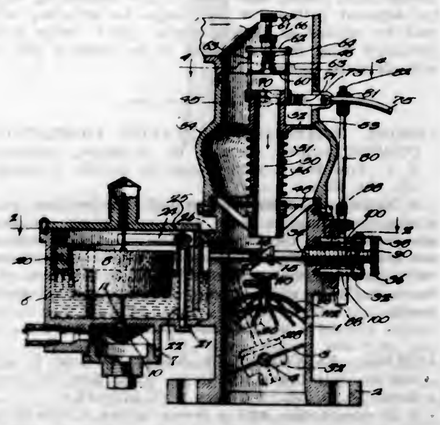
1. A coaster wagon of the character described having front steering wheels and a tongue at the forward end of the wagon and detachably connected therewith, and a member mounted upon the bottom of the wagon and operatively connected with the front axle to shift the wheels, said member being hollow and extending up through the bottom of the wagon whereby the tongue may be disconnected from the front axle at the front of the wagon and engage with said member.

1,590,058. PORTABLE LUBRICANT OR GREASE-CUP FILLER. RICHARD WALKER REED, Washington, D. C. Filed Nov. 11, 1925. Serial No. 68,358. 10 Claims. (Cl. 221—47.4.)



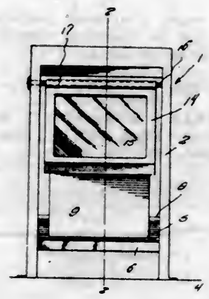
2. A lubricant expelling device comprising a tubular body portion provided with a lateral inlet for supplying lubricant thereto, an expelling plunger operating in said body portion, a tubular shiftable closure element for said inlet arranged completely within said body portion, said element operated independent of said plunger, and surrounding the latter when the plunger is moved to active position, and a cam element pivotally connected to said body portion and slidably connected with said plunger for operating the latter lengthwise in both directions with respect to said body portion.

1,590,059. CARBURETOR. HERMAN REENTS and OTTO GEORGE JENNER, Chicago, Ill. Filed Aug. 8, 1921. Serial No. 490,577. 4 Claims. (Cl. 261—50.)



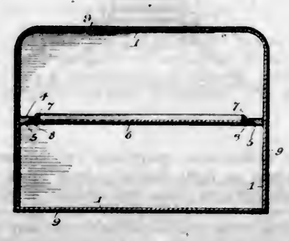
1. A carburetor having a mixing chamber with a needle valve therein for controlling the fuel supply, an outer tube leading to the mixing chamber for conveying air to it, an inner tube located concentrically within the outer tube, the needle valve being located in line with the inner tube at the downstream end thereof, a bypass valve in the form of a disc normally closed and located in the outer tube surrounding the inner tube, the outer tube having a seat for the bypass valve and the walls of the outer tube diverging downstream from said valve seat, and a supplemental valve normally open for closing the inlet to the inner tube, the bypass valve and supplemental valve being connected together to operate in unison, whereby the supplemental valve moves toward closed position as the bypass valve moves toward open position, the bypass valve being located upstream from the needle valve whereby air passing around the bypass valve may thereafter reach the needle valve.

1,590,060. DISPLAY CASE. LEE RIEMAN and HERBERT A. WILCOX, Abilene, Kans.; said Wilcox assignor to said Rieman. Filed Apr. 7, 1925. Serial No. 21,347. 2 Claims. (Cl. 211—14.)



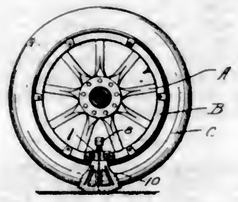
1. A display case comprising a frame open at its front and rear, a box tiltably supported intermediate its ends in said frame and normally disposed in a downwardly inclined display position, a transparent lid for the box supported at its rear end in the frame, and means carried by the forward end of the box and cooperating with the lid for facilitating the raising of the forward portion of the lid so as to uncover the rear end of the box when the latter is disposed in a rearwardly inclined discharge position, said means comprising projections extending from the sides of the forward end of the box adjacent the upper edge thereof, and a track associated with the lid to cooperate with the projections.

1,590,061. FOOD RECEPTACLE OR CARRIER. REBECCA RONALD, Vancouver, British Columbia, Canada. Filed Feb. 21, 1925. Serial No. 10,942. 1 Claim. (Cl. 206—4.)



A receptacle of the character set forth having top, bottom, back and side walls, a closure constituting a front wall, a cleat secured to the inner side of each side wall and of said back wall, each cleat having a groove formed in the inner edge thereof, a tray having a surrounding struck up bead formed upon the upper side thereof, and a flange extending laterally from three sides of said bead and adapted to fit and slide in the groove in said cleats.

1,590,062. ATTACHMENT FOR VEHICLE WHEELS. GAETANO ROSSITTO, New York, N. Y., assignor to Four-In-One Jack Corporation, a Corporation of New York. Filed May 3, 1924. Serial No. 710,914. 11 Claims. (Cl. 301—44.)

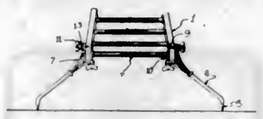


10. A vehicle wheel attachment comprising a flanged socket member and an insertible member arranged to cooperate with the socket member.

1,590,063. BUCKLE. ELLSWORTH C. SCHILLERSTROM, Lockridge, Iowa. Filed Mar. 7, 1925. Serial No. 13,790. 4 Claims. (Cl. 24—206.)

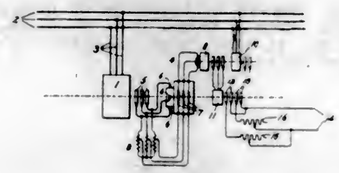
1. A buckle comprising two members, a housing on one member having slots therein to receive the other member, teeth on the second member, a latch member consisting of a plate having a flange to engage said teeth, and a U-shaped spring engaging said plate, pivoting it in the housing and also holding the latch member in engagement with the teeth.

1,590,064. SAFETY DEVICE FOR LADDERS. FLETCHER A. SEAMAN, Rochester, N. Y. Filed Nov. 15, 1923, Serial No. 674,992. Renewed Apr. 22, 1925. 1 Claim. (Cl. 228—60.)



A ladder attachment comprising two connected abutments arranged at right angles to each other to receive in the angle between them the upright of a ladder, a supporting arm formed integrally with said abutments and extending from the outer faces of said abutments near the juncture on a line at an angle other than a right angle to both of said abutments, and a member adjustably connected to both of the abutments near their free ends to extend about an upright cooperating with both abutments, said means being movable to open the space between the two abutments so that the attachment may be connected to the upright of the ladder between two rungs.

1,590,065. SPEED-CONTROL SYSTEM. WALTER SEIZ, Baden, Switzerland, assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1924, Serial No. 736,417, and in Germany Jan. 11, 1924. 4 Claims. (Cl. 172—274.)



1. A speed control system comprising a main induction motor of the wound secondary type, a commutator type regulating machine concatenated with said main motor, a frequency changer for supplying excitation to said regulating machine, and a generator used solely for supplying a regulable excitation to said frequency changer.

1,590,066. CREEPER. JOSEPH ABETZ, New Britain, Conn. Filed Sept. 11, 1925. Serial No. 55,860. 1 Claim. (Cl. 36—62.)

In a creeper for use with a rubber shoe or the like having an outwardly projecting bead bordering the heel structure, a pair of mating plates having opposed and adjacent plate-like bodies, flanges projecting upwardly from the outer edges of said plates, extensions of said flanges extending around at the rear, overlapping, and provided with connecting means, the top edges of said flanges being curled over inwardly for cooperating with the adjacent portions of the flanges for enclosing said bead for serving as holding means, and a bridge plate connected along the lower faces of the forward ends of said plate-like bodies.

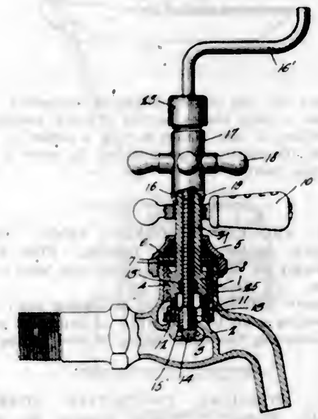
1,590,067. METHOD OF PREPARING PIGMENT-OIL COMPOSITIONS. GEORGE W. ACHESON, Caldwell, N. J. Filed Feb. 5, 1926. Serial No. 86,349. 2 Claims. (Cl. 134—39.)

1. Method of making pigment-oil compositions comprising preparing a pasty pigment-water-oil emulsion wherein the oil is the dispersed phase; working said paste and gradually adding oil thereto at a rate not substantially exceeding that at which the oil is absorbed; and continuing said addition until a separation of water occurs.

1,590,068. FAUCET-VALVE KEY. WILLIAM F. ALBRECHT, Salt Lake City, Utah. Filed Nov. 20, 1925. Serial No. 70,395. 4 Claims. (Cl. 277—35.)

3. In combination with a faucet having a plug in its valve head and a threaded port for receiving the plug in its partition, a shaft having a part for engaging the plug to move it from the head into the port and vice versa, a body through which the shaft passes, the lower end

of the body being threaded to engage the threaded upper end of the valve stem, a cap at the upper end of the body, a nut in the body engaging the threaded part of the

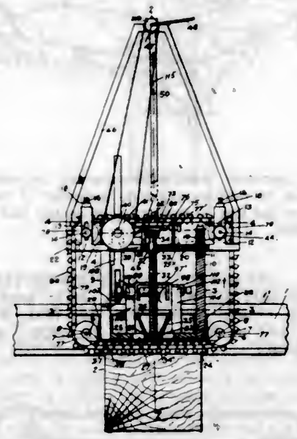


shaft, a bushing in the body through which the shaft passes, a coiled spring connecting the nut with the bushing, a handle on the body and a handle on the upper end of the shaft.

1,590,069. HOLDER. WENDELL E. BACON and GEORGE W. CHAMBERLAIN, Aberdeen, S. Dak. Filed Nov. 6, 1924. Serial No. 748,156. 1 Claim. (Cl. 206—56.)

A holder of the character described comprising a tubular body portion open at both ends and adapted to receive a lip stick, a substantially conical-shaped cap fitted over the upper end of said stick and secured to the adjacent end of said body portion, and having a restricted centrally disposed opening, a removable cap associated with the same end of the body portion and adapted to enclose the first mentioned cap, an outwardly extending annular flange on the lower end of said body portion, a cap closing said end, an inwardly directed flange on said cap engaging the flange on the lower end of the body portion whereby to support the cap for rotation with respect to said body portion, a threaded element carried by the last mentioned cap and passed through said lip stick, a follower threaded on said element and upon which said stick reposes, and adapted to move the latter longitudinally of said body portion upon rotation of the last mentioned cap, said body portion having a depression, and a projection carried by the follower and received by said depression to hold the follower against rotation.

1,590,070. RAILWAY-TRACK-TIE-REMOVING DEVICE. WILLIAM WYNN BARTLETT, Toronto, Ontario, Canada. Filed Sept. 12, 1924. Serial No. 737,430. 4 Claims. (Cl. 143—32.)

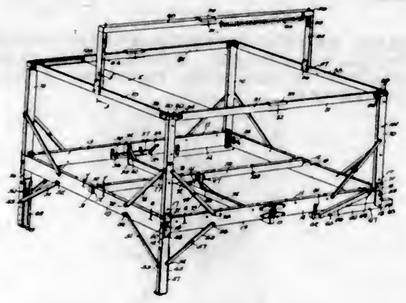


4. A tie removing device comprising a rectangular frame, guiding means for supporting the frame to move vertically, clamping means for securing the guiding means to the rail, a vertically threaded shaft carried by the frame, a flexible saw mounted to revolve upon the frame in a vertical plane so that the lower portion thereof extends transversely of the tie, a nut carried by the guiding means in engagement with the thread of the shaft, a manually operated sprocket drive for the saw, a worm gear secured to the threaded shaft, a worm shaft and worm engaging the worm gear, a driving gear mounted upon the worm shaft and keyed thereto so as to have free longitudinal movement, and a plurality of annular gear rings formed upon one of the sprockets of the aforesaid drive with which such gear is slidably moved into engagement.

1,590,071. TOY RAILROAD BRIDGE. HARRY S. DECKER, Chicago, Ill., assignor to American Flyer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 83,072. 9 Claims. (Cl. 238—10.)

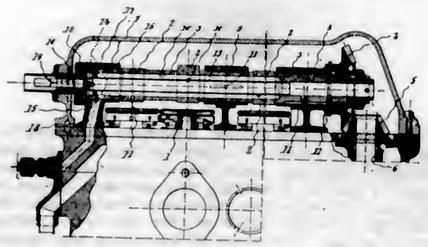
1. A toy railway bridge structure comprising span and approach units, the ends of the span unit resting on and supported by the inner ends of the approach units.

1,590,072. PORTABLE TENT. PAUL J. BELANGER, Lake City, Minn. Filed Dec. 15, 1923. Serial No. 680,912. 8 Claims. (Cl. 135—4.)



5. In a portable tent, a rectangular foldable frame, legs pivoted to fold on the side members of the frame, and feet for the legs pivoted to fold on the end members of the frame.

1,590,073. APPARATUS FOR DISTRIBUTING LIQUIDS BY ROTARY SPINDLES. MARC BIRKIOT, Bois Colombes, France. Filed Sept. 19, 1921, Serial No. 501,854, and in Belgium Oct. 21, 1920. 4 Claims. (Cl. 184—6.)

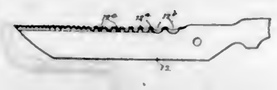


3. In a device of the character described, a shaft mounted in a plurality of bearings, said shaft having concentric channels co-axial therewith and also having passageways leading from each of said channels to separate bearings, and means for distributing oil independently to said channels.

1,590,074. GAS COCK. WILLIAM EDW. BOOKER, Baltimore, Md. Filed Oct. 28, 1925. Serial No. 65,415. 2 Claims. (Cl. 251—166.)

1. In combination with a cock having a notch and a handle, a bracket engaging the handle and having a depending portion and a spring pressed latch member below the handle and slidably mounted in the depending portion and having a part to engage the notch in the body.

1,590,075. SHEARS. PETER BARNNER, Monticello, N. Y. Filed Nov. 10, 1925. Serial No. 68,124. 2 Claims. (Cl. 30—11.)



1. Shears of the class described including pivoted blades, one of said blades having a finely toothed edge, and the other of said blades having a series of arcuate notches in its cutting edge adapted to sever a branch held by the teeth.

1,590,076. PROCESS OF DYEING SAND. CLEOPHAS BRODRIQUE, Quebec, Quebec, Canada. Filed Jan. 18, 1924, Serial No. 687,139, and in Canada Mar. 21, 1923. 1 Claim. (Cl. 91—68.)

The herein described process of dyeing sand consisting in soaking sand in a mixture of paint, oil and turpentine, removing the sand, drying it, and rolling it.

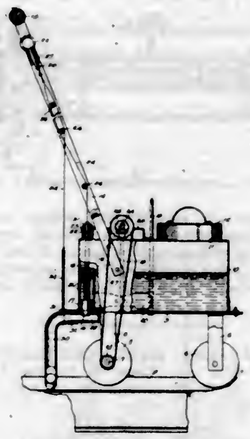
1,590,077. SURGICAL PROTECTIVE GUARD OR SHIELD. ERNEST G. BURNS, Atlanta, Ga., assignor of one-half to Samuel J. Sinkoe, Atlanta, Ga. Filed Aug. 6, 1925. Serial No. 48,572. 7 Claims. (Cl. 128—245.)

1. In a surgical guard or shield, a shield member comprising a bowl with an extension partially therearound comprising an open frame with a transparent covering, a tubular means attached to the bowl, a nozzle extending upwardly into the latter, and a tubular means connected to the nozzle for dispensation of irrigating fluids.

1,590,078. RAIL LUBRICATOR. GERMAN BUROZ, Caracas, Venezuela, assignor of one-half to Francis Caracciolo, Caracas, Venezuela, South America. Filed Nov. 22, 1923. Serial No. 676,395. 5 Claims. (Cl. 184—3.)

1. In a rail lubricating apparatus, a lubricant containing receptacle capable of moving along a rail and having an outlet opening, a normally closed valve for controlling the flow of lubricant through said opening, a pipe movable with respect to said receptacle and rail and having a laterally extending brush for applying the lubricant to the rail, means connecting the pipe and

receptacle for conveying the lubricant to said pipe, means common to said valve and said pipe for opening said valve and moving said pipe into operative relation

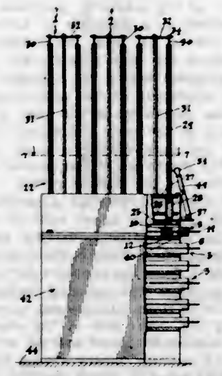


to said rail, and means controlled by the movement of said receptacle along said rail for agitating the lubricant in said receptacle.

1,590,079. POTENTIALLY REACTIVE LIQUID-COATING COMPOSITION. LAWRENCE C. BYCK, Tottenville, N. Y., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 5, 1923. Serial No. 673,017. 8 Claims. (Cl. 134—26.)

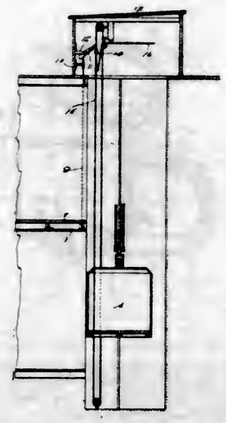
1. A potentially reactive liquid coating-composition comprising a non-reactive phenol-oil-methylene resin, a methylene-containing hardening agent therefor, and a solvent for said components.

1,590,080. WASHER FEEDER. EDWARD B. CARTER, Los Angeles, Calif., assignor of one-half to Charles A. Bowerman, Los Angeles, Calif. Filed July 9, 1924. Serial No. 724,982. 30 Claims. (Cl. 18—1.)



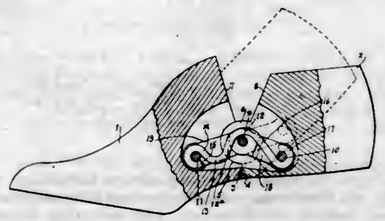
1. In a device of the kind described, stationary washer-feeding means, and portable means to receive washers by gravity from said stationary means and subsequently deliver said washers to a gang mold.

1,590,081. SAFETY DEVICE FOR ELEVATORS. SHELDON CHRISTIAN, Somerville, Mass. Filed Mar. 2, 1925. Serial No. 12,653. 1 Claim. (Cl. 187—40.)



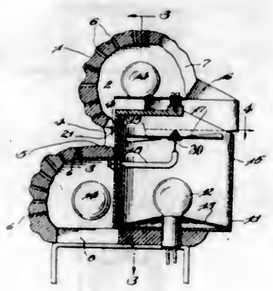
A safety device for elevators, comprising in combination with a pivoted platform arranged adjacent the elevator pit, a lever pivoted between its ends and including a forked extremity adapted to straddle the operating cable of the elevator, a collar carried by said cable and arranged to engage said lever, a vertically disposed rod arranged parallel with said cable and mounted for sliding movement beneath said lever, and adapted to rock the latter in one direction when the rod is elevated, a second lever pivoted between its ends and including a bifurcated extremity arranged obliquely to the body portion of the lever to straddle said rod, a collar carried by the rod and arranged directly above the bifurcated extremity of the second mentioned lever to be engaged thereby and shift the rod upwardly upon movement of the lever in one direction, and a link pivotally connected with said second mentioned lever and said platform, whereby movement of the latter actuates the said second lever for the purpose specified.

1,590,082. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 22, 1925. Serial No. 24,994. 2 Claims. (Cl. 12—136.)



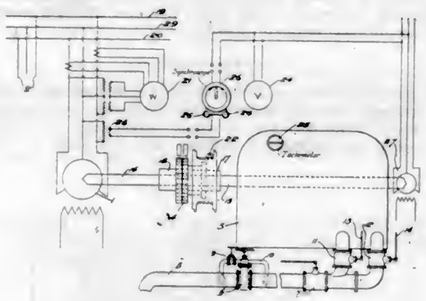
1. In a last, a toe part, a heel part, said parts being arranged to rock on one another, yielding means adapted to tend to maintain said parts in expanded position and to hold them together, anchor pins in the respective parts of the last over which the ends of said spring are hooked, said spring consisting of an inverted U-shaped central portion, the forward arm of which descends to a point below the forward anchor pin to form a tip and then forwardly over the anchor pin to form a hook, and the rear arm of which descends downwardly below the rear anchor pin and thence upwardly to form a hook.

1,590,083. ELECTRIC LOG. HARRY S. COLLINS, Chicago, Ill. Filed May 10, 1924. Serial No. 712,360. 1 Claim. (Cl. 240—2.)



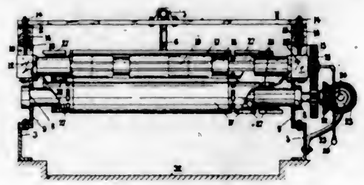
An electric log comprising a body ornamented to represent logs and having upper and lower chambers, and a through slot between the chambers there being a conted reflecting surface exteriorly of the body at said slot, said body further having an opening at the rear thereof, a casing arranged within the body and partly filling said opening and having a slot in register with said first slot, colored electric bulbs arranged in the chambers, a white electric bulb arranged in said casing, a distributor arranged on said casing, a pair of horizontally spaced screens at the rear of the body, and a rotating reflector arranged directly over said white bulb to be rotated by the heat therefrom to periodically pass light rays through said slots and through said distributor on to said screens.

1,590,084. POWER-FACTOR CONTROL OF ELECTRICAL GENERATING SYSTEMS. DAVID H. COUCH, Warwick, R. I. Filed Nov. 3, 1923. Serial No. 672,610. 4 Claims. (Cl. 290—4.)



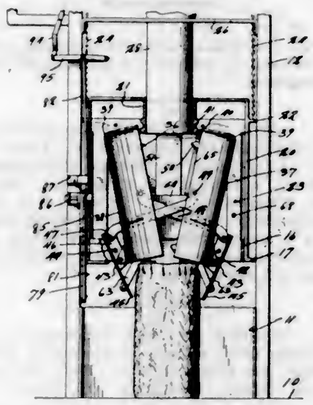
4. In an electrical generating system including a plurality of alternating current generators independently driven, running synchronously, and delivering electrical power to a common circuit, the method of improving the power factor of such system which consists in regulating the power input of one of said prime movers to bring it to that point at which the generator driven by said prime mover is "motoring" and drawing enough electrical power from the common circuit to just balance the no-load losses of said generator running synchronously, and at that point separating said alternating current generator from its prime mover without disturbing its synchronous relation with the remaining alternating current generators, permitting it to remain upon the line and operate as a synchronous condenser.

1,590,085. DECORTICATING FIBROUS MATERIALS. HENRY JAMES CRAYMER, Peckham, London, England. Filed June 5, 1924, Serial No. 718,152, and in Great Britain June 29, 1923. 13 Claims. (Cl. 19—25.)



1. A process for decorticating fibrous materials, including the steps of feeding the material between a pair of decorticating rollers, and by means of said rollers rubbing the two outer surfaces of the material always in the same contrary directions transversely of the length of the fibers.

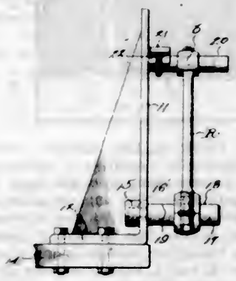
1,590,086. ALFALFA MEAL AND BRAN PACKER. LUTHER F. DAY and JESSE F. BAKER, Lamar, Colo. Filed Nov. 28, 1925. Serial No. 71,995. 20 Claims. (Cl. 226—25.)



1. In a packer of the character described, a vertically movable cage formed in a plurality of sections mounted for movement toward or from each other, a feeding cylinder with which the cage coacts when it is raised, packing means disposed within the cylinder, means causing the upward movement of the cage, means for operating the packing means when the cage is elevated to cause a depression of the cage, and means for separating the sections of the cage when the cage is lowered to thereby permit the discharge of the contents thereof and closing the sections as the cage is raised.

20. A packer including vertical supports, a packing cylinder mounted upon the upper ends of the supports, packing means in said cylinder, driving means for the packing means including a driving shaft having a clutch, a platform mounted upon the supports for vertical movement toward or from the packing cylinder, a cage mounted upon the platform and formed of sections, gates normally closing the lower end of the cage, means for simultaneously opening the gates and the sections or closing the gates and sections, means urging the sections in closed position and gates in closed position, means urging the platform to a raised position to bring the cage into coactive relation to the packing cylinder, means automatically opening the gates and the sections when the platform is lowered to a predetermined position, means for locking the platform in its lowered position, manually operable means for releasing said locking means to permit the platform to move upward and the gates and sections to close, an operating rod connected to the clutch, a cam pivotally connected to the supports and disposed in the path of movement of the platform, said platform as it moves upward engaging said cam to shift the clutch to connect the packing means with the power, the platform upon its descent operatively engaging said cam to shift the clutch to a position releasing engagement between the source of power and said drive shaft.

1,590,087. GAUGE APPARATUS. FRANK P. DIERKES, Wilkes-Barre, Pa. Filed Oct. 1, 1923. Serial No. 666,021. 2 Claims. (Cl. 33—180.)



1. A connecting rod testing device comprising a structure having a flat gauge face, a pin extending therefrom for engagement within the crank shaft bearing at one end of said rod, said pin having a flattened portion extending longitudinally of the pin to provide spaced edges for contact with said bearing and means engageable with the other end of said rod for contact with the gauge face when said rod is supported on said pin.

1,590,088. ELECTRODE CONSTRUCTION. EMMANUEL DOBROWSKY, New York, N. Y. Filed Jan. 20, 1925. Serial No. 3,656. 1 Claim. (Cl. 176—109.)

An electrode construction which comprises a plurality of tubular electrodes, one disposed within the other, a central bar of magnetic metal within the inner tube, and insulating means for supporting the tubes and the bar from each other.

1,590,089. CLAMP FOR SHEET MATERIAL. GEORGE S. HEATH, Revere, Mass. Filed Nov. 22, 1924. Serial No. 751,548. 3 Claims. (Cl. 24—84.)

1. A clamp for sheet material having, in combination, a holding member having a top wall provided with a gripping surface upon the under side thereof and with an opening extending therethrough, said holding member also embodying therein a pair of side walls located at right angles to said gripping surface, and a spring actuated gripping member pivotally mounted between

said side walls and having a thumb piece projecting through said opening and a gripping surface oppositely disposed to the gripping surface of said holding member, the gripping surface of said gripping member comprising a curve eccentric to the pivotal axial line thereof.

1,590,090. DAY BED AND THE LIKE. GENE HERZ, Chicago, Ill., assignor to Herz Bed Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,376. 14 Claims. (Cl. 5—22.)

1. In a bed, the combination of a main bed section, an extension bed section, means connecting said sections to permit movement of said extension bed section in an upright condition to extended and closed positions, spring mattress structures for said bed sections, toggles connecting the main bed section and its spring mattress structure, and mechanism operated by said connecting means for extending said toggles to raise the spring mattress structure of the main bed section when moved to opened or extended condition.

11. In a bed, the combination of a main bed section, an extension bed section, means including links for connecting the bed sections together to permit the extension bed section to be moved to extended and closed positions, arms pivoted at the front and rear on said main bed section, arms pivoted on said means and projecting forwardly, arms pivoted on said means and projecting rearwardly, and front and rear springs connected at their opposite ends to the free ends of the respective front and rear arms on said main bed section and said means to assist the initial movement of the extension bed section from either position of rest and retard final movement of said extension bed section to either of said positions.

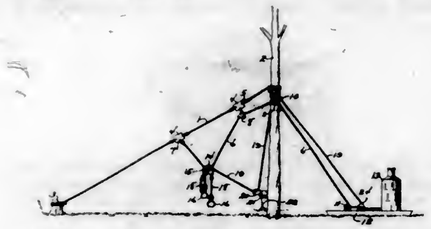
1,590,091. SILVER ALLOY. FRIEDRICH HEUSLER, Dillenburg, Germany, assignor to the Firm of Isabellenhütte Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Filed Aug. 29, 1921, Serial No. 496,598, and in Germany Sept. 13, 1920. 1 Claim. (Cl. 75—1.)

An alloy for the manufacture of coin silver prepared from the following materials in substantially the proportions specified: silver 80%, aluminum 9% and manganese 11%.

1,590,092. BRASS ALLOY. FRIEDRICH HEUSLER, Dillenburg, Germany, assignor to the Firm of Isabellenhütte Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Filed Aug. 29, 1921, Serial No. 496,599, and in Germany Feb. 2, 1917. 3 Claims. (Cl. 75—1.)

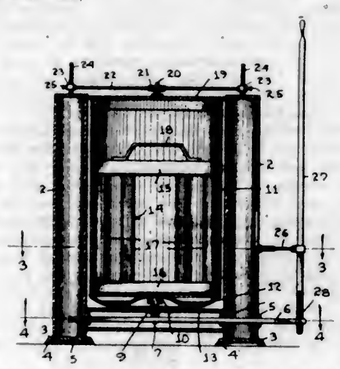
1. An alloy in the physical form of a homogeneous mass prepared from the following materials in substantially the maximum relative proportions specified: copper 37%, silicon 13%, iron 20% and manganese 30%.

1,590,093. LOADING RIGGING. JOHN J. HILL, Seattle, Wash. Filed Nov. 28, 1925. Serial No. 72,010. 1 Claim. (Cl. 212—95.)



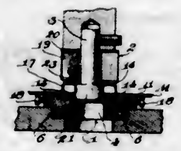
A rigging of the class described, comprising a jack line, supporting means for the same, a load line connected at one end to the jack line, a pulley on the jack line over which the load line passes to form a loop, a block having its sheave receiving the looped part of the load line, an elevated pulley over which the load line passes, a hold-back line passing over a pulley in the block, tongs connected with the hold-back line, a second pair of tongs, a flexible member connecting the second pair of tongs with the block, a pulley over which the hold-back line passes, means for supporting the same to one side of the jack line supporting means, an elevated pulley for the hold-back line, winding means for the hold-back line and winding means for the load line.

1,590,094. CHURN. HENRY M. HINER, Monterey, Va. Filed June 9, 1925. Serial No. 36,002. 3 Claims. (Cl. 259—82.)



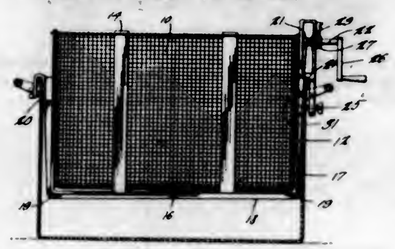
1. In a churn, the combination with a frame having a rocking spindle therein, of a cream receiving receptacle mounted for oscillatory movement in the frame and operatively connected to the spindle, a buoyant agitator mounted for floating movement in the receptacle, and means for rocking the spindle.

1,590,095. GROMMET-SETTING DEVICE. ALOYS J. HOFFMAN, Fremont, Ohio. Filed Nov. 17, 1925. Serial No. 69,650. 5 Claims. (Cl. 1—4.)



1. A device of the character described, comprising opposed relatively movable dies, one thereof having a plurality of relatively spaced and radially adjustable deflecting surfaces on its inner face, the opposite die consisting of an anvil portion cooperable with said deflecting surfaces of the first die, and a punching means extending therefrom and engageable in a corresponding opening formed in the first die.

1,590,096. ATTACHMENT FOR WASHBOILERS. OTTO HOGE, Great Falls, Mont. Filed Oct. 15, 1924. Serial No. 743,799. 1 Claim. (Cl. 68—30.)



A receptacle holder of the character described comprising two identically constructed sections, each including a base, an arm rising from the outer end thereof, extensions projecting from the opposite sides of the base, arms rising from said extensions and arranged in right angular relation to the first mentioned arms, the base portions of the respective sections being overlapped and slidably associated, and a keyhole slot in the first mentioned arm of one of said sections.

1,590,097. PROCESS FOR MANUFACTURING ACETIC ANHYDRIDS. LUDWIG HÖRMANN, Tschechnitz, near Breslau, and FELIX KAUFLER, Munich, Germany, assignors to the Firm: Dr. Alexander Wacker-Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Filed Feb. 2, 1924, Serial No. 690,293, and in Germany Feb. 12, 1923. 5 Claims. (Cl. 260—123.)

1. A process of manufacturing acetic anhydride by causing sulphur chloride and chlorine to react upon acetic acid, the ratio of sulphur to chlorine to acetic acid undergoing reaction being one atom of sulphur to four atoms of chlorine to at least four molecules acetic acid, and heating till the reaction is completed.

1,590,098. SAMPLE CARD. JOSEF JOSEPH, New York, N. Y. Filed Jan. 22, 1925. Serial No. 4,118. 1 Claim. (Cl. 211—34.)

A sample card having vertical and horizontal rows of right-angled triangular openings arranged in two groups, one above the other, and each group presenting a square outline, the openings of each group being arranged with their right-angled sides parallel with the sides and ends of the card and their inclined sides facing inwardly, in combination with a plurality of sample carrying strips having at their ends tongues for engaging the openings when disposed vertically or horizontally, the tongues being of a width equal to a right-angled side of the openings and one of the tongues of each slip having an enlargement at its juncture with the slip for bearing a legend.

1,590,099. PROCESS OF TREATING BORON-CONTAINING MINERALS. ANDREW KELLY, London, England, assignor to Borax Consolidated Limited, London, England. Filed Jan. 2, 1924, Serial No. 684,075, and in Great Britain Jan. 16, 1923. 4 Claims. (Cl. 23—59.)

1. The production of an alkali-metal pentaborate by first treating in solution a quantity of boron-containing mineral with a soluble non-alkali-forming metal sulphate, then converting said treated mineral into alkali-metal pentaborate by adding to said solution a further quantity of said boron-containing mineral, and thereafter crystallizing out said alkali-metal pentaborate.

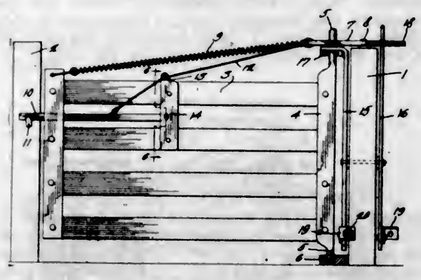
1,590,100. HAIR TONIC. MIKE KULICKY, Kenosha, Wis. Filed Mar. 24, 1925. Serial No. 18,059. 1 Claim. (Cl. 167—5.)

A hair tonic consisting of the following ingredients substantially in the proportions named; twelve ounces of the melted product of salty bacon, ten ounces of pure lard, three ounces of grain alcohol, four ounces of powdered lilac blossoms, and one ounce of perfume.

1,590,101. PROCESS OF COATING IRON AND IRON ALLOYS WITH CHROMIUM. SPIRO KYROPOULOS, Gottingen, Germany. Filed Mar. 23, 1925, Serial No. 17,807, and in Germany July 26, 1923. 6 Claims. (Cl. 204—1.)

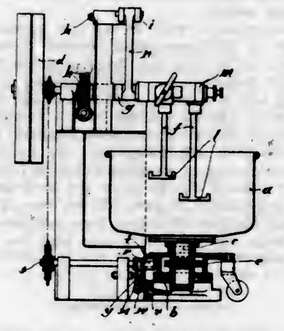
1. The process of coating iron containing bodies with chromium comprising producing a superficial zone of iron with a small percentage of carbon on the body to be coated, coating the body with chromium and tempering the coated body.

1,590,102. GATE. HENRY C. LONG, Caballo, N. Mex. Filed Mar. 30, 1925, Serial No. 19,416. Renewed Mar. 16, 1926. 1 Claim. (Cl. 39—57.)



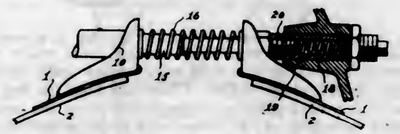
Barrier operating means comprising a post, a base adjacent the post having a socket therein, a barrier having a depending projection at its rear end engaging the socket and an extension at the upper part of its rear end, a horizontal arm pivoted to the post and having a hole therein receiving the extension, a pair of vertically arranged levers on the posts, one of which engages the extension and the other the rear end of the arm, vehicle operated means at each side of the barrier and means for connecting such means with the lower ends of the levers.

1,590,103. DOUGH-KNEADING MACHINE. EMIL LOACH, Winnenden, Wurtemberg, Germany. Filed Feb. 28, 1924. Serial No. 695,789. 8 Claims. (Cl. 259—1.)



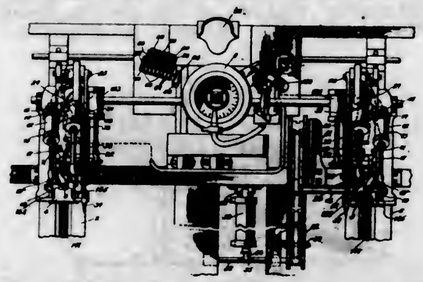
1. A dough kneading machine for kneading and for aerating dough, comprising, a freely rotatably mounted dough receiving container, two kneading arms mounted for general rotary movement in parallel planes situated on opposite sides of the rotation axis of the container, drive means for operating the arms in opposite directions and for rotating the container and an automatically releasable coupling in the drive for the container which is released upon reaching a predetermined torsional stress.

1,590,104. TRANSMISSION BAND. WILLIAM T. MANNING, Philadelphia, Pa., assignor to Edward Kramer, Philadelphia, Pa. Filed Apr. 29, 1924. Serial No. 709,861. 5 Claims. (Cl. 188—249.)



3. In combination with a brake band of the character described, an ear consisting of a body and a face, the latter having a slot therein for the passage of a slip carried by the band, and means for removably holding the ear in place.

1,590,105. SAWMILL MACHINERY. FREDERICK EDWARD MARTIN, Weed, Calif., assignor to Martin Air-Dog Company, San Francisco, Calif., a Corporation of California. Filed Nov. 25, 1921. Serial No. 517,647. 185 Claims. (Cl. 143—118.)



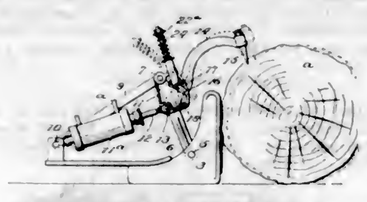
1. In combination with a saw-mill carriage, knees, boss dogs on the knees, fluid pressure means for operating the boss dogs, hook dogs mounted to move with the knees, fluid pressure means for operating the hook dogs, a selec-

tive unit control including a group of devices capable of being selectively set to determine which of the fluid pressure means shall be operated, and means for simultaneously operating only the devices set to operate the fluid pressure means.

41. In combination with a saw-mill carriage, knees, dogs carried by the knees, fluid pressure means for operating the dogs, a hook dog, floating means for mounting the hook dogs to cause same to swing in a curved path until a bite is made in a log and in the same movement thereafter pull in substantially a straight line to draw a log up to the knees, fluid pressure means for operating the hook dog, and means for controlling the fluid pressure means to simultaneously or independently operate the dogs on the knees or the hook dog.

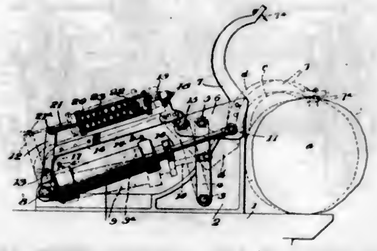
95. In combination, a saw mill carriage, knees, dogs for engaging the top of a log, dogs supported directly on the carriage and movable at the time the knees are moved to engage the bottom of the leg, and means for operating the dogs.

1,590,106. MECHANISM FOR OPERATING HOOK DOGS FOR SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed June 19, 1922, Serial No. 569,498. Renewed May 4, 1926. 6 Claims. (Cl. 143—125.)



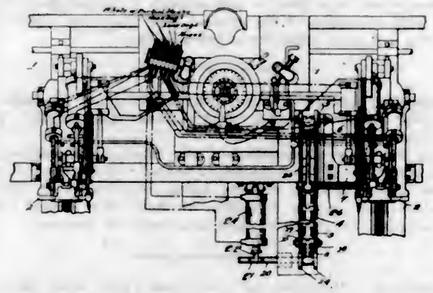
1. A hook dog, a frame in which the dog is pivotally mounted, a fixed fulcrum for the frame about which the frame is movable in a non-changing arcuate path, and a spring carried by the frame to normally hold the dog in more or less fixed relation to the frame during the initial arcuate movement of the frame, said spring permitting a movement of the dog independently of the frame in the final arcuate movement of the frame, whereby in the initial arcuate movement of the frame the dog is swung in the arc of a circle and caused to engage a log and in the final arcuate movement of the frame the dog is caused to move in a substantially linear direction.

1,590,107. MECHANISM FOR CONTROLLING MOVEMENT OF HOOK DOGS FOR SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed June 23, 1922, Serial No. 570,398. Renewed May 4, 1926. 10 Claims. (Cl. 143—125.)



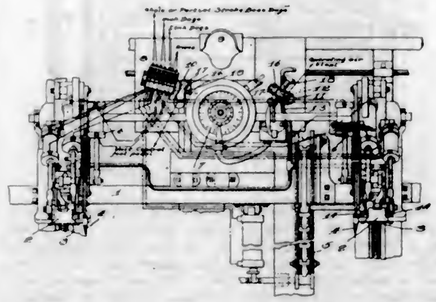
1. In combination, a knee, a dog for a saw mill carriage, a floating fulcrum for the dog, operating means connected to the dog on one side of the fulcrum, a lever pivoted to the knee, a link pivoted to the lever and to the dog on the other side of the pulling fulcrum, and a spring between the link and lever, the operating means serving to initially impart movement to the dog in a curved path on the floating fulcrum until the dog strikes the log, further action of the operating means pulling the log toward the knee through continued movement of the floating fulcrum and the resistance of the spring through resultant movement of the link and lever to compel such bodily movement of the floating fulcrum.

1,590,108. LINK DOG FOR SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Original application filed Nov. 25, 1921, Serial No. 517,647. Divided and this application filed Nov. 29, 1922, Serial No. 604,062. Renewed May 4, 1926. 41 Claims. (Cl. 143—125.)



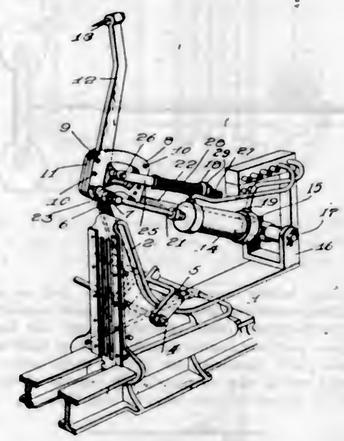
1. In combination with a saw mill carriage, knees thereon, dogs associated with each knee, and means including a dog having a support upon the carriage independent of the knees and located between the knees and extending across the path of the underside of a log and adapted to engage the latter, means to cause the dog to move with the knee, and means for actuating the dog to engage the underside of the log and against its own weight.

1,590,109. MEANS FOR OPERATING ADJUNCTIVE DEVICES ON SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed Dec. 4, 1922, Serial No. 604,866. Renewed May 4, 1926. 9 Claims. (Cl. 143—124.)



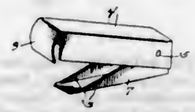
1. The combination with a saw mill carriage having the usual knee set works and further adjunctive devices, of an operator's seat placed conveniently for the set works control, and a pair of pedals associated with and operating said adjunctive devices, and so formed and placed that the operator may thereby brace himself on the seat against any action of the carriage otherwise tending to his displacement from the seat.

1,590,110. HOOK DOG FOR SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Original application filed Nov. 25, 1921, Serial No. 517,647. Divided and this application filed Dec. 8, 1922. Serial No. 605,653. 35 Claims. (Cl. 143—125.)



1. In combination, a frame, a floating fulcrum for the frame, a dog mounted in the frame beyond such floating fulcrum, and a power means connected to the frame and moving the dog as a lever on such floating fulcrum, said power means acting initially to impart maximum speed to the dog under a continuously increasing power leverage, the leverage being thereafter gradually shortened to reduce the power movement of the dog, the floating fulcrum under the action of the power means causing the dog to travel in a curved path in the nature of a cycloid.

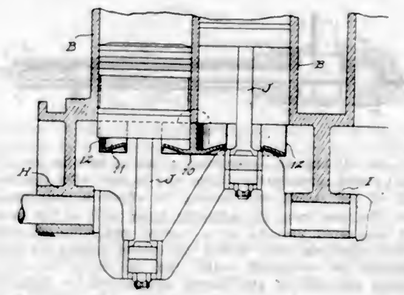
1,590,111. WINDOW ATTACHMENT. HENRY A. MEYER, Dorchester, Ill. Filed Aug. 8, 1924. Serial No. 730,965. 1 Claim. (Cl. 292—202.)



A window fastener, comprising a base part adapted to be placed on the bottom sash, a channel shaped member pivoted adjacent one end to the base part and an end piece at the other end of the member attached to the web thereof and offset from the flanges of said member to form a spring part to grip the top sash of the window.

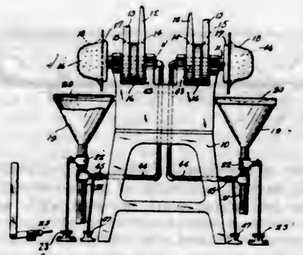
1,590,112. ENGINE ATTACHMENT. OLAND A. MOORE, Newark, Mo. Filed Jan. 2, 1924. Serial No. 684,043. 2 Claims. (Cl. 184—13.)

2. An engine attachment comprising a body member adapted for disposition against the bottom of a cylinder block and formed with recesses registering with the cylinder bores, the bottoms of the recesses having openings for the accommodation of the connecting rods and the ends of the body having cut away portions to expose limited areas of the pistons and means for securing the body in position, comprising a stud passing through the



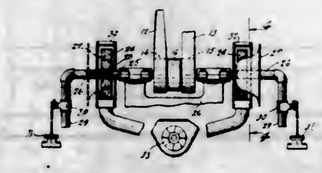
body and screwed into a tapped hole in the block, and lugs projecting from one side of the body and engageable with an existing projection on the block.

1,590,113. METHOD OF TREATING HATS. JAMES F. MURPHY, Danbury, Conn. Filed Sept. 14, 1925. Serial No. 56,262. 2 Claims. (Cl. 2—192.)



1. The step in the method of making a velour hat which consists in raising the nap by treating the hat body with sufficient steam to soften and loosen the fibres adjacent the surface of the hat, and brushing the surface of the hat while the fibres are under the influence of the steam to loosen and draw out free one end of the fibres.

1,590,114. MACHINE FOR TREATING HATS. JAMES F. MURPHY, Danbury, Conn. Filed Sept. 14, 1925. Serial No. 56,263. 6 Claims. (Cl. 223—30.)

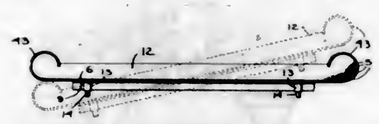


1. In a device for treating hats, a rotating brush, a hat support adjacent the periphery of said brush, said brush being mounted to rotate about an axis extending in the general direction of the surface being brushed whereby the fibres of the nap are laid out in substantially parallel relation, and means for supplying steam to the hat while on said support.

1,590,115. OIL BURNER. JOHN CHARTERIS DUNCAN NICHOLSON, Wichita, Kans. Filed Dec. 12, 1925. Serial No. 75,045. 3 Claims. (Cl. 158—75.)

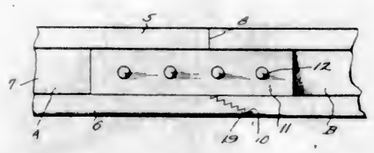
2. An oil burner comprising a casing having an elongated outlet terminating at one end in line with the inner wall of the casing and having its opposite ends spaced some distance from the adjacent inner wall of the casing and connected thereto by a curved deflecting shoulder, a fuel supplying tube within the casing having its outlet adjacent the elongated outlet and the inner curved deflecting shoulder of the casing and means for adjusting the delivery end of the tube in the direction of the length of the elongated outlet of the casing, whereby to regulate the discharge of the fuel.

1,590,116. DEVICE FOR LOADING WASHERS INTO HEEL MOLDS. HERBERT N. NORTHROP, Somerville, Mass., assignor, by mesne assignments, to Edward B. Carter, Boston, Mass. Filed July 3, 1924. Serial No. 723,879. 1 Claim. (Cl. 18—1.)



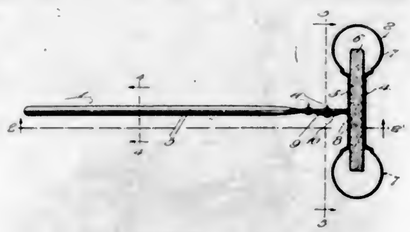
In a device of the class described, the combination with a heel mold having a plurality of washer-receiving pins, of a washer-positioning plate provided with washer-receiving apertures, a washer-delivering plate also having similarly spaced apertures and shiftable relative to the positioning plate to bring its apertures into and out of alignment with those of the positioning plate, and means for supporting the two plates with the aperture in the positioning plate in alignment with the pins and with the pins partially entering said apertures, said positioning plate having flanges at opposite ends curved upwardly and downwardly to form troughs to receive and retain the washers when the plate is tilted for the purpose of filling the apertures therein with washers.

1,590,117. RAIL CONNECTION. PATSY PARISO, Elmira, N. Y. Filed July 23, 1925. Serial No. 45,652. 1 Claim. (Cl. 238—237.)



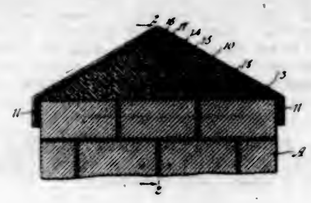
A railroad joint comprising a pair of rail sections each including a web, a ball and base flanges, the meeting ends of the rail sections being provided with faces arranged at an incline to the transverse center of the rail sections to permit the overlapping of said rail sections, pointed angularly extending alligator teeth formed on said faces extending from one end thereof to the other adapted to intermesh when the rail sections are connected, the teeth extending vertically from the base flanges to the balls of said rail sections, and fish plates connecting the sections together on opposite sides of the joint.

1,590,118. SOAP HOLDER. CHARLES L. PARKER, Seattle, Wash., assignor to Violet E. Parker, Seattle, Wash. Filed Sept. 2, 1924. Serial No. 735,449. 5 Claims. (Cl. 15—147.)



1. A soap holder comprising a handle and an article-holding frame carried thereby, said frame consisting of a pair of parallel article clamping bars, and enlarged spring loop portions connecting the ends of said bars in a common plane therewith for moving them toward each other, said spring loop portions being capable of receiving the ends of an article held between said bars.

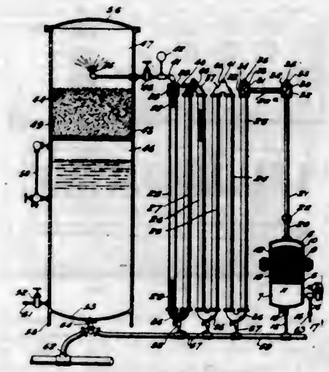
1,590,119. COPING. HARRY CHARLES PARTRIDGE, Brooklyn, N. Y. Filed June 5, 1925. Serial No. 35,202. 4 Claims. (Cl. 72—86.)



1. A coping for walls comprising metal sections, each having at one end a returned seam member at the upper side and at the opposite end a seam member returned at the under side for connection respectively with co-engaging seam members on adjacent sections, said sections sloping from approximately the medial line toward the sides, and an anchoring member disposed on each of said sections beneath the ridge thereof, and consisting of a vertical web having a T-head at the lower end and having oppositely sloping flanges at the upper end secured to the material of the coping section.

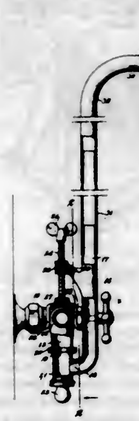
1,590,120. METHOD OF FILTERING, AND PURIFYING WATER. CHARLES H. PERRY, Miami, Fla. Original application filed Dec. 26, 1922, Serial No. 609,003. Divided and this application filed Feb. 2, 1924. Serial No. 690,296. 3 Claims. (Cl. 210—62.)

1. A method of filtering and purifying water, consisting in first charging an apparatus having distinct filtering components and supplied with filtering material with air having a pressure slightly less than the pressure of the water to be purified to permit filtration of the water



through the filtering components, and then admitting water to and causing it to slowly flow through the components and filtering material of the apparatus.

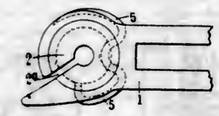
1,590,121. SHOWER BATH. HUGH B. PITCHER, Boonton, N. J. Filed Mar. 28, 1924. Serial No. 702,494. 3 Claims. (Cl. 285—108.)



3. In a shower bath, a holdfast for clamping the same to the bath tub faucet and comprising an upstanding tube adapted to be positioned in fluid communication with the faucet, an extension for overlapping the faucet, a screw threaded through the extension and an inverted U-shaped saddle rotatably carried by the lower end of the screw and adapted to straddle the faucet and to be forced down by the screw into bearing engagement with the faucet.

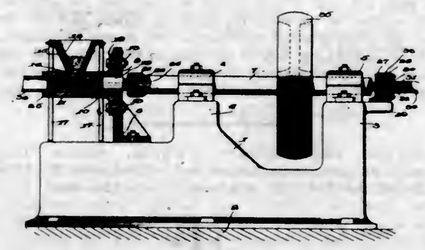
1,590,122. THREAD GUIDE FOR SPINNING, TWISTING, AND OTHER ANALOGOUS TEXTILE MACHINERY. WILLIAM PRINCE-SMITH and DAVID WATERHOUSE, Keighley, England. Filed Jan. 29, 1926. Serial No. 84,664, and in Great Britain July 16, 1925. 6 Claims. (Cl. 242—157.)

1. In spinning, twisting and other analogous textile machines, an apertured part to receive a thread guide, a radial slot serving as a thread passage into said apertured part, a thread guide fitting in said apertured part, said thread guide having a central bore and a radial slot leading thereinto and said radial slot being adapted to register with said thread passage in said apertured part, a peripheral slot in said apertured part, a radial



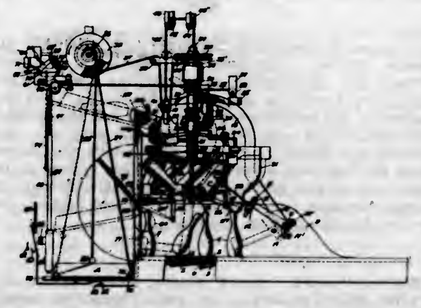
aperture in said apertured part, a spring having one end anchored in said radial aperture, said spring encircling a portion of said apertured part, and means to cause said spring to engage and hold said thread guide in said apertured part.

1,590,123. METHOD OF AND MACHINE FOR FORMING SEAMLESS TUBING. EDGAR C. RIEBE, Paris, France. Filed June 18, 1925. Serial No. 38,115. 4 Claims. (Cl. 207—2.)



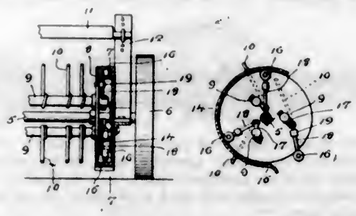
1. A machine for use in forming seamless metal tubing comprising a tubular matrix having a feed opening for molten metal in its upper side, a mandrel mounted to rotate in said matrix, said mandrel and said matrix being cooperatively formed to close the bore of the matrix at one end of the latter, said mandrel having a portion extending in the matrix past said feed opening in spaced concentric relation to the inner wall of the matrix, said portion of the mandrel having means on its periphery operable on rotation of the mandrel to force metal from the space between the mandrel and the matrix from one end of the matrix in the form of a tube, said mandrel having an axial bore extending the full length of the mandrel.

1,590,124. PIN-SETTING APPARATUS. PEDRO ROBLE, New York, N. Y., assignor of fifteen one-hundredths to Francisco Martinez, New York, N. Y. Filed May 23, 1925. Serial No. 32,476. 41 Claims. (Cl. 273—43.)



1. An automatic pin setting apparatus of the character described, including a pin distributor, an elevator adapted to lift and deposit the pins on the distributor, and an electric motor for lifting the elevator included in the circuit which is controlled by the position of the pins.

1,590,125. HAY LOADER. CHESTER W. SCIFORD, Eagle Butte, S. Dak. Filed Jan. 14, 1924. Serial No. 686,173. 1 Claim. (Cl. 56—364.)



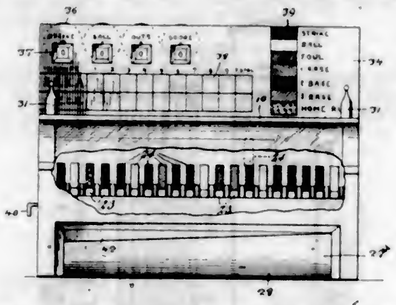
In a hay rake, a toothed cylinder, comprising a shaft, a pair of disks thereon, bars having their ends passing through the disks, teeth carried by the bars, an arm on an end of each bar, a rod pivoted to each arm and slidably mounted on a disk, a roller on the outer end of each rod, and a cam flange on the disk for engaging the rollers for causing the teeth to engage and lift the hay on their upward movements, the flange terminating a little beyond the top of the disk so that the roller will leave the flange as the teeth start to descend so that the teeth will move rearwardly and disengage the hay.

1,590,126. SELF-FEEDING PENCIL. GEORGE TILLMAN SHELEY, Indianapolis, Ind. Filed July 26, 1924. Serial No. 728,432. 3 Claims. (Cl. 120—18.)

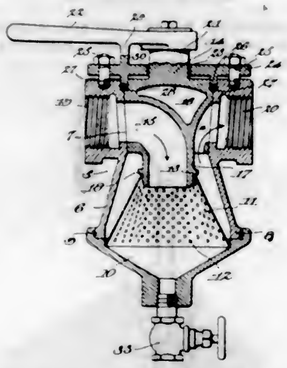
1. A pencil comprising a tubular body having a discharge opening, a guiding tube therein, a feed tube formed as a continuation of the guiding tube and having a slot therein, a spring arm having its lower end embracing the guiding tube, a V-shaped arm intermediate the ends of the arm movable through said slot, said feeding tube having a slot upon the opposite side thereof from the first slot, a curved end portion formed at the inner end of said spring arm and movable through the second slot and a plunger movable in said feeding tube as and for the purpose specified.

1,590,127. GAME. FRANK JOSEPH SPITZENBERGER, Duluth, Minn. Filed Aug. 31, 1925. Serial No. 53,602. 8 Claims. (Cl. 273—88.)

1. A game apparatus comprising a cabinet having a sight opening and an entrance opening therein, a plurality of normally inactive indicator elements within the cabinet, a ball adapted to be impelled through the entrance opening to engage and actuate the indicator elements and move one of the latter into position within the sight opening, means controlled by the particular indicator element actuated to indicate the character of a play and means to release the ball and return the same to the player.



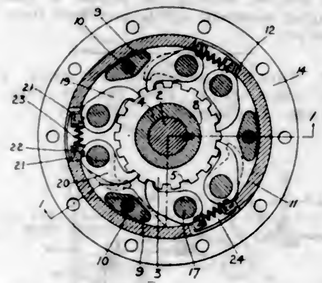
1,590,128. SELF-CLEANING OIL STRAINER. EARLE I. STAPLES, New York, N. Y. Filed May 5, 1923. Serial No. 637,034. 1 Claim. (Cl. 210—167.)



A strainer structure comprising a body having a chamber therein formed with a valve seat and inlet and outlet openings aligned above and disposed laterally of said chamber, a valve mounted for rotary movement in said seat, a gland plate adjustable with respect to said valve, an annular rim depending from said gland plate and being received in mating grooves formed in the body and valve respectively, a packing material between said rims and the bottom of the grooves, the valve having a port terminating into a nozle opening into said chamber to connect the aforesaid inlet and outlet openings, a foraminated frusto-conical shaped strainer element connected with said nozzle and arranged in said chamber to strain oil passing from the inlet opening to the outlet opening, and said valve being also formed with a second port to provide a direct communication between said inlet and outlet openings.

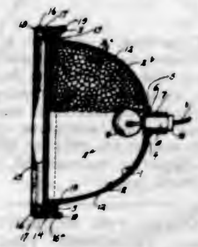
1,590,129. DIFFERENTIAL. HUGO CAMPBELL, Stratford, Vancouver, British Columbia, Canada. Filed Dec. 24, 1924. Serial No. 757,836. 2 Claims. (Cl. 74—7.)

1. The combination with a pair of aligned shafts and a driving element, of a pair of ratchet wheels mounted upon the shafts, a pair of annular flanges each having peripheral projections, between which flanges pawls are carried, said pawls being oppositely arranged and in pairs and having upwardly extending lugs, spring means extending between the lugs adapted to hold the pawls normally in engagement with the ratchet wheel, one of each pair being adapted to drive the ratchet wheels in one direction and the other of the pair to drive the ratchet wheels in the opposite direction, a drive ring



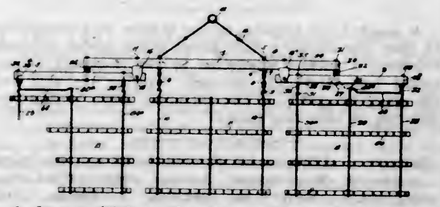
having lateral slots into which the projections of the flanges and the lugs of the pawls project and means, as the drive ring is rotated, for lifting some of the pawls out of engagement with the ratchet wheels, increasing the engaging pressure of the others and of effecting a driving effort between the flange projections and some of the pawls to the ratchet wheels.

1,590,130. HEADLIGHT. WILLIAM H. STURGEON, Jr., Pittsburgh, Pa. Filed Apr. 30, 1923. Serial No. 635,800. 1 Claim. (Cl. 240—41.)



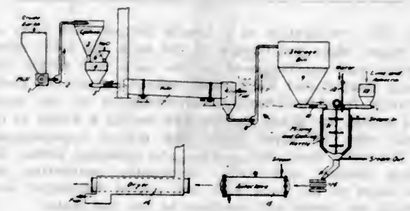
In a headlight of the character described, an aluminum body of approximately hemispherical shape having one portion of its inner face polished to provide a reflecting surface, the other portion of the inner face of said body being hammered to provide a plurality of minute reflecting surfaces disposed at various unpredetermined angles with respect to each other and acting to break up and diffuse the light rays to prevent the projection of a shaft of light from said hammered portion of the inner face of the body.

1,590,131. MULTIPLE-SECTION HARROW. EDWIN C. SWANSON, Stromsburg, Nebr. Filed Apr. 24, 1924. Serial No. 708,753. 6 Claims. (Cl. 55—84.)



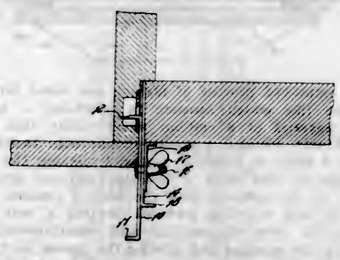
1. In a multiple section harrow, the combination with a dominant draft tree having central harrowing means, of auxiliary draft trees pivotally connected to the terminal portions of the dominant draft tree and provided with auxiliary end harrow sections, and means for detachably connecting substantially the intermediate portions of the auxiliary draft trees to the terminal extremities of the dominant draft tree to normally hold them in parallelism with the latter and whereby, upon disconnection, the auxiliary draft trees may be disposed to extend rearwardly to permit the end harrow sections to drag in the rear of the central harrowing means.

1,590,132. HEAT-INSULATING COMPOSITION AND PROCESS OF MAKING THE SAME. CLARK S. TEITSWORTH, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Aug. 12, 1924. Serial No. 731,631. 8 Claims. (Cl. 106—18.)



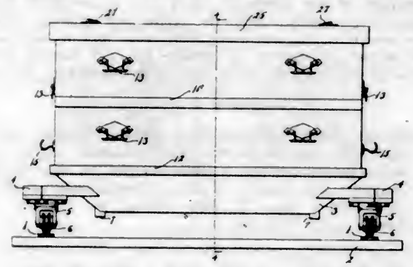
1. The process of manufacturing porous heat insulating bodies, consisting in calcining disintegrated diatomaceous earth, mixing the resulting calcined porous silica with a binder and water to form a plastic mass, molding the mass to shape, indurating the molded product, and drying the indurated product.

1,590,133. DOORLOCK. WILLIAM Y. TENNYSON, Oklahoma City, Okla. Filed July 20, 1923. Serial No. 652,816. 1 Claim. (Cl. 292—294.)



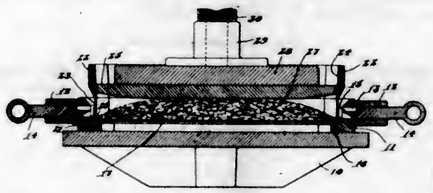
A device for locking a door from the inside, comprising two parallel plates of substantially the same length, and longitudinally slotted, flanges projecting at right-angles from the opposite ends of one plate and lying parallel to each other, one of said flanges being adapted to be received by the door bolt receiving an opening formed in the jamb of a door, a right-angle flange formed on one end of the other plate, said plate being movable between the door and jamb therefor when the door is closed and being independent of any movement of the first mentioned plate, a headed bolt passed through the aligned slots or said plate, a wing nut mounted on said bolt, and a comparatively short plate carried by said bolt and terminating to provide a flange adapted to bear against the inner side of the door when the component parts of the device have been finally adjusted, said other plate being capable of being arranged in a position where its flange will over-lie the flange of the first plate and cross with the latter to hold the door against movement when said other plate may not be arranged between the door and the jamb.

1,590,134. GRAVE-FILLING APPARATUS. LUTHER THOMAS and FENWICK GEORGE HATT, San Antonio, Tex. Filed Dec. 30, 1922, Serial No. 610,047. Renewed Nov. 24, 1925. 2 Claims. (Cl. 105—250.)



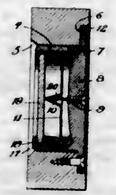
1. The combination of a hopper bottom with rests at its upper edges and flanges on the back and front rests, a back wall superimposed on the back rest within the flange thereof, end walls superimposed on the end rests, a lower front wall section superimposed on the front rest within the flange thereof and having a flange at its upper edge, an upper front wall section superimposed on the lower front wall section and arranged within the flange thereof, and means detachably connecting the end walls to the back wall, and means detachably connecting the front wall sections to the end walls.

1,590,135. CHAIR SEAT AND PROCESS OF MAKING SAME. HARLIN P. UPHAM, Greenville, N. H. Filed Oct. 27, 1923. Serial No. 671,197. 1 Claim. (Cl. 45—138.)



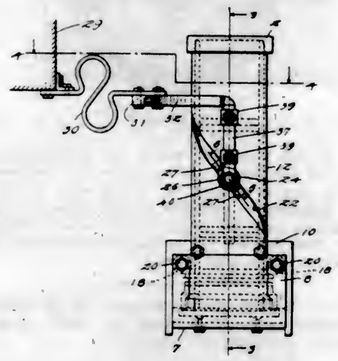
The improved process of making slip seats for chairs and the like which consists in providing a strip of sheet material of a contour substantially that of the desired seat, forming a groove in one edge thereof, providing a sheet of covering material, placing the peripheral edge of said sheet of covering material within the groove of the strip, placing the desired amount of padding on said covering material, forcing a seat bottom within the strip of material and simultaneously compressing the padding and closing the groove in the strip of sheet material and then securing the strip of sheet material to the edge of the seat bottom.

1,590,136. BALANCE LEVEL. WILLIAM A. VALENTINE Sr., East Orange, N. J. Filed Feb. 19, 1925. Serial No. 10,399. 1 Claim. (Cl. 33—215.)



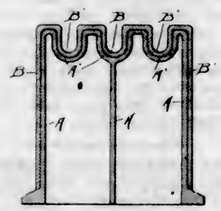
A level, comprising a body, a casing removably mounted in the body, a dial carried by said casing, a pivotal pin extending from one part of the casing, a weighted pointer loosely mounted on said pin, said pointer being formed of sheet metal and having a centrally positioned cone with the open end positioned so that said pin will project into the cone for supporting the pointer, and a covering transparent panel carried by the casing positioned near the apex of the cone when the parts are in operative position whereby the pointer is permitted a free swinging movement but is prevented from moving off of said pin.

1,590,137. SHOCK ABSORBER. FREDERICK D. VAN BUREN, Ithaca, N. Y. Filed Jan. 28, 1926. Serial No. 84,349. 14 Claims. (Cl. 267—65.)



1. In a shock absorber, a cylinder, a sleeve rotatable thereon, said cylinder having longitudinal diametrically opposite slots and said sleeve having diametrically opposite spiral slots with said slots crossing each other, a piston in the cylinder, a cross shaft supporting the piston and extending through said slots, a bracket connection between one end of the cylinder and a vehicle axle and a bracket connection between the opposite ends of the shaft and vehicle frame.

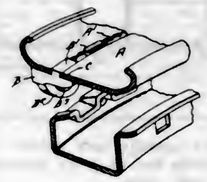
1,590,138. MANDREL FOR BATTERY JARS. JAMES H. WAGENHORST, Akron, Ohio. Filed Feb. 24, 1919. Serial No. 278,639. 1 Claim. (Cl. 18—45.)



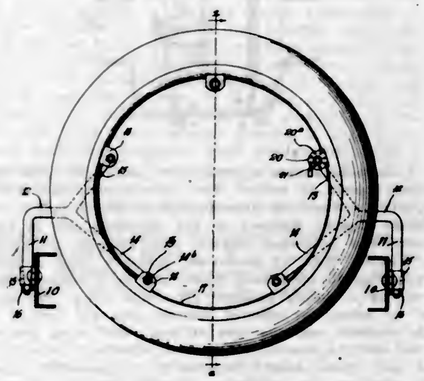
A mandrel for forming rubber battery jars comprising an iron core having a base flange and a leaden envelope providing a surface unaffected by the chemicals of the rubber compound, said envelope covering the side and top walls of said core and extending down to and terminating at said base flange.

1,590,139. METHOD OF MAKING RIMS AND CLAMPS. JAMES H. WAGENHORST, Jackson, Mich. Filed Jan. 20, 1923. Serial No. 613,835. 7 Claims. (Cl. 29—159.)

1. The herein described method of making rim clamps which consists of rolling an angled bar having an outstanding rib upon one member thereof, then boring a plurality of bolt holes in one member of said bar, bifurcating the other member, and finally separating the bar into individual clamps.



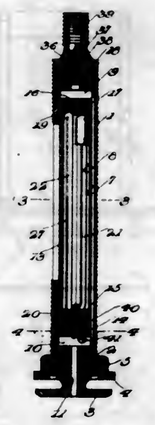
1,590,140. TIRE CARRIER. JAMES H. WAGENHORST, Jackson, Mich. Filed Mar. 22, 1924. Serial No. 701,084. 8 Claims. (Cl. 224—29.)



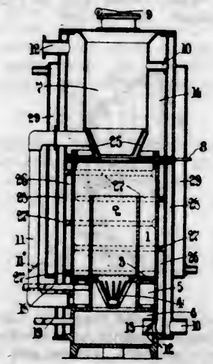
6. A carrier for demountable rims having attached thereto apertured securing lugs comprising a pair of brackets carried by the vehicle, each bracket having an upwardly-extending portion and a forked laterally extending portion, the branches of said forked portion being turned rearwardly parallel to each other and so spaced as to be adapted to pass through apertures of certain lugs of the rim, the said rearwardly turned portions being threaded, and nuts screwed on said portions and adapted to engage the lugs.

1,590,141. AIR-PRESSURE GAUGE. EDWARD G. WEAVER, Butte, Mont. Filed Dec. 22, 1924. Serial No. 757,476. 6 Claims. (Cl. 73—31.)

1. An air pressure gauge comprising a barrel, a substantially air-tight container within the barrel, a U-tube formed of glass and having a restricted bore, one leg of the tube being open, a flexible bulb connected with the open end and adapted to be contracted by air pressure in the container, a column of liquid in the bore adapted to be elevated in the closed leg of the tube to a predetermined point for a definite pressure in the container, the closed leg having a column of air above the column of liquid, a second glass tube provided with a bore and an indicating liquid in the bore, said second tube having a column of air above the column of liquid, the upper end of the column of liquid in the closed leg of the U-tube registering with the upper end of the column of liquid in the second tube at a predetermined pressure in the barrel regardless of the temperature.

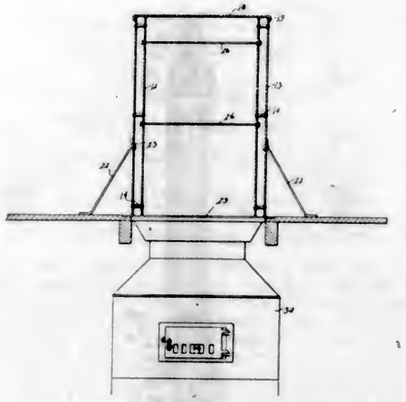


1,590,142. GAS PRODUCER. HERBERT TAYLOR WHITE, London, and DAVID JOSEPH SMITH, Mapledurham, England. Filed June 17, 1925. Serial No. 37,838. 13 Claims. (Cl. 48—76.)



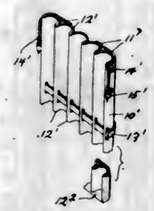
1. A gas producer comprising in combination, two concentrically arranged retorts of the closed hearth type, a superposed fuel hopper, an independent grate for each retort, an independent ash pit for each grate, an air inlet to the ash pit of the primary retort which passes through the fuel hopper, a gas outlet from the ash pit of the secondary retort which passes through the air inlet passage to the fuel hopper, an annular chamber around the primary retort and the fuel hopper through which the gas passes to its outlet, means for supplying air under pressure independently to each of the ash pits, and means for independently agitating the grates of both retorts.

1,590,143. CLOTHES DRIER. VIOLA WILLIAMS, Cincinnati, Ohio. Filed Jan. 28, 1925. Serial No. 5,336. 3 Claims. (Cl. 34—26.)



1. A drying cabinet comprising a collapsible casing including separate wall sections hingedly secured together in a manner to permit of the wall sections being folded one upon the other, each wall section comprising inner and outer plates, means connecting the plates to hold them in spaced relation and provide an air space, a removable cover, hanger rods extending across the casing and detachably engaging the casing walls and inclined brace rods having one of their ends detachably engaged with the casing.

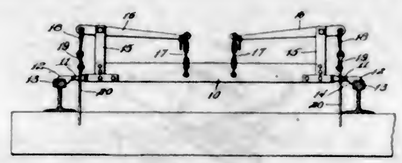
1,590,144. PENCIL HOLDER. JOHN W. WILSON, Walla Walla, Wash. Filed July 8, 1925. Serial No. 42,263. 4 Claims. (Cl. 24—12.)



1. A pencil holder of the character described comprising a body having a plurality of semi-circular vertically disposed channels provided therein and defining partitions therebetween, an elastic band extending transversely of the body and within a plurality of correspondingly shaped openings provided adjacent the outer edges of the partitions, and spring clips arranged upon the opposite side edges of the body for securing the respective ends of the band thereto whereby pencils and the like may be retained within the channels.

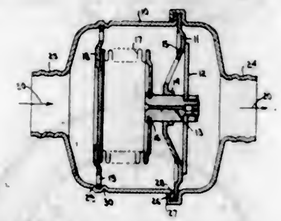
1,590,145. TIE-SETTING TOOL. JAMES BALLENGER WRIGHT, Franklin, Ill., assignor of one-half to Hal Harold Roberts, Jacksonville, Ill. Filed Oct. 20, 1925. Serial No. 63,708. 2 Claims. (Cl. 254—121.)

1. A tool of the character described comprising a bar, a restricted neck at each end of the bar having at its outer end a head including surfaces for engaging the inner face and top of a rail head, standards arising from



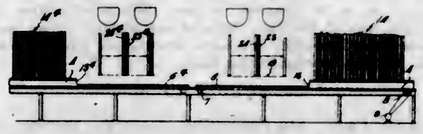
the bar adjacent opposite ends thereof, levers pivoted upon said standards and tie tongs carried by the levers and straddling said necks.

1,590,146. THERMOSTATIC VALVE. WILLIAM R. ZIMMERMAN, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 7, 1926. Serial No. 100,278. 10 Claims. (Cl. 236—34.)



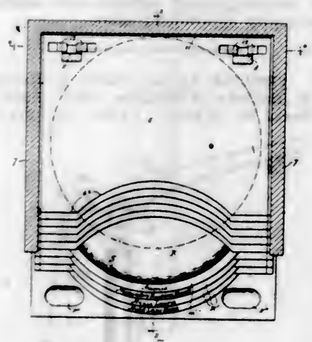
1. In combination, a circulatory conduit, a valve disposed therein to control flow therethrough, said valve opening downstream therein, and a sealed hollow resilient element disposed on the upstream side of said valve and connected thereto, said element containing a volatile fluid at subnormal pressure, said element expanding to open said valve, and said element then exerting a closing pressure upon said valve consisting of the subnormal confined pressure plus any tension in the element, and the area of said valve being greater than effective area of said element, whereby a puncturing of said element allows the pressure of circulatory liquid to overcome the resistance of said valve to opening.

1,590,147. CENTRAL STATION FOR DISPATCH SYSTEMS. JOHN A. BAUER, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Apr. 6, 1923. Serial No. 630,252. 23 Claims. (Cl. 243—16.)



20. A central station apparatus comprising a plurality of substantially like desk units, each unit having a plurality of rows of delivery terminals spaced from its central portion, a bank of dispatch terminals intermediate the ends of the desk unit corresponding to each of the rows of delivery terminals, each bank of dispatch terminals comprising a plurality of rows of terminals all within convenient reach of an operator stationed adjacent to said bank, and means for directing carriers delivered from the delivery terminals toward the station of the operator.

1,590,148. FILING SYSTEM FOR PHONOGRAPH RECORDS. EYVIND BERGDAL, Anchorage, Territory of Alaska. Filed Aug. 14, 1924. Serial No. 732,101. 3 Claims. (Cl. 211—16.)



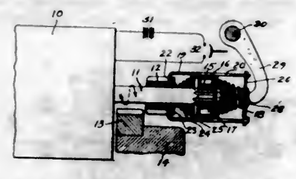
1. A cabinet for phonograph records, comprising a casing having grooves in its side walls, a plurality of shelves mounted to slide in the grooves, each shelf being provided with an angular projection adapted to engage the projection of the shelf next above and to be engaged by the projection of the shelf next below, and with a projection in rear of the first projection and adapted to be engaged by the first projection of the shelf next below and a member mounted to slide in the casing below the lowermost shelf and provided with a projection adapted to engage the projections of the said lowermost shelf.

1,590,149. GUIDE AND PATTERN STRIP. SEWARD HOMER CALKINS, Flushing, N. Y., assignor to The Traitel Marble Company, Long Island City, N. Y. Filed Sept. 30, 1925. Serial No. 59,649. 3 Claims. (Cl. 94—17.)

1. For use in laying flooring and other surfaces having a cement finishing layer and an underbed of relatively coarse material, a guide and pattern strip having an uninterrupted upper edge, a series of flanges extending at a right angle to the plane of said strip on the line of the lower edge of said strip, a series of openings arranged above said flanges, and a series of anchors lying in the plane of said strip and extending below the line of connection between said strip and flanges.

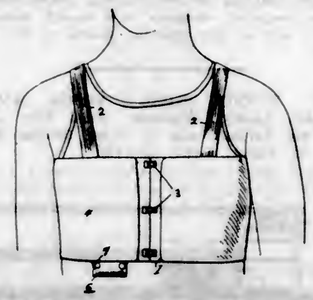
1,590,150. POWER TRANSMISSION MECHANISM. FARNUM F. DORSEY and CHESTER W. CRUMRINE, Rochester, N. Y., assignors to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed June 4, 1923. Serial No. 643,231. Renewed Dec. 9, 1925. 6 Claims. (Cl. 74—7.)

1. Power-transmission mechanism comprising: a gear; a driving pinion movable axially into and out of mesh with the gear; and manually-operable means for simultaneously rotating said pinion and moving it axially, said



means being yieldable as to each of such motions so that either may continue alone when the other is arrested.

1,590,151. SELF-INFLATING LIFE BELT. ADOLPHUS DRAPEAU, River Rouge, Mich. Filed Apr. 4, 1925. Serial No. 20,791. 4 Claims. (Cl. 9—19.)



1. A life belt having inflatable pockets and having a receptacle, a container for a fluid under pressure designed to be received in the receptacle, a spring influenced valve having a hollow stem normally closing the container, a casing designed to be removably secured to the container and by virtue of connection therewith to unseat the valve, said casing having a port communicating with the port of the valve and having a lateral port communicating with the inflatable pocket of the belt, a needle valve for closing the first mentioned port and means for unseating the valve.

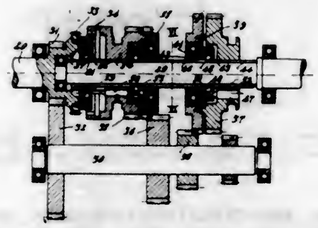
1,590,152. NURSING NIPPLE. SYLVAIN DREYFUS, Lausanne, Switzerland. Filed July 13, 1923, Serial No. 651,382, and in Switzerland July 17, 1922. 3 Claims. (Cl. 128—252.)

1. In a teat for nursing bottles the combination of a hemispherical solid rubber nipple having a narrow axial channel, a cylindrical part adapted to be stretched over the mouth of a bottle and an enlarged thin walled intermediate portion of thin lenticular form adapted, upon application of pressure, to be collapsed against the end of a bottle mouth.

1,590,153. COUPLING DEVICE. RUDOLF DRUCKER, Dordrecht, Netherlands. Filed Apr. 24, 1924, Serial No. 708,622, and in Netherlands May 2, 1923. 3 Claims. (Cl. 74—58.)

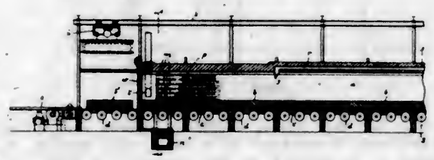
1. In a change speed gear of the character set forth in combination, a shaft, longitudinal stationary tracks thereon provided with recesses, friction members shiftably mounted on said shafts, slidable positive coupling

elements mounted on said shaft and cooperating with said friction members, resilient means in connection with the friction members and cooperating with the recesses in said tracks, and means cooperative with



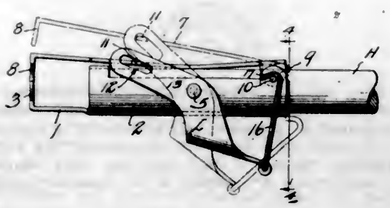
the positive coupling elements having projections which when the coupling elements are moved axially are adapted to act on the resilient means in the friction members.

1,590,154. TUNNEL KILN. ARTHUR MCDOUGALL DUCKHAM, London, England. Filed Nov. 4, 1924, Serial No. 747,843, and in Great Britain Nov. 12, 1923. 11 Claims. (Cl. 25—142.)



1. A straight muffle furnace or kiln comprising a heating section having enclosing walls separating it from the heating gases, the walls of the heating section having multiple heating fires isolated from one another throughout their length, and means for connecting said heating flues in alternative parallel arrangements with a source of heating gases.

1,590,155. MOP CLAMP. SAMUEL ELLIOTT, Greensboro, N. C., assignor to Shur Klamp Mop Holder Corp., Greensboro, N. C., a Corporation of North Carolina. Filed Feb. 16, 1925. Serial No. 9,666. 4 Claims. (Cl. 15—150.)

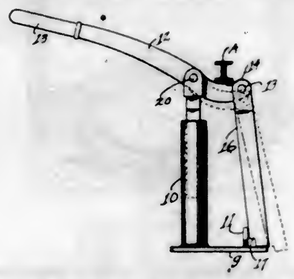


1. A mop clamp comprising a combined fixed jaw and tubular handle attaching sleeve, a movable clamping jaw of resilient metal pivotally connected to the rear end of the attaching sleeve, laterally projecting lugs on the movable clamping jaw, a lever on said sleeve having slotted arms for receiving the said lugs, and means carried by the end of said lever for holding the same toward the attaching sleeve thereby to place the clamping jaw under tension.

1,590,156. PROCESS OF TREATING WOOD TAR OIL. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Mar. 27, 1924. Serial No. 702,411. 2 Claims. (Cl. 203—4.)

1. The process of treating wood tar oil distillate which comprises reacting on said distillate with ammonia and subsequently with an oxidizing agent.

1,590,157. VEHICLE JACK. HENRY R. FAUCHER and LOUIS H. HOGSETT, Wilmington, Calif. Filed Oct. 23, 1925. Serial No. 64,408. 1 Claim. (Cl. 254—119.)



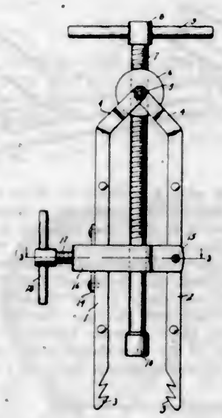
A jack comprising a base, a standard supported on said base and having shoulders formed on its upper extremity, an extension formed on said base and spaced from said standard, a lever embodying in its construction a handle on one end and being curved adjacent its opposite end with a depression formed therein, a bar pivotally connected to said lever adjacent the curved portion thereof and provided with a plurality of teeth formed on the opposite faces of said bar for engaging the shoulders of the standard, and a supporting member pivoted at one end to said lever and having a shoulder formed in its opposite end for engaging said extension.

1,590,158. SEAL SHEET. ADDISON W. FLETCHER, Orleans, Vt. Filed Oct. 22, 1921. Serial No. 509,514. 1 Claim. (Cl. 283—22.)

As a new article of manufacture, a sheet of material capable of being readily torn and bearing on its face imprints of seals of different designs and shapes, said seals having their entire outlines spaced from each other, each seal gummed at its back, and a major portion of the outline of each seal being cut from the sheet leaving a minute remainder of the outline joined to the sheet whereby any seal can be quickly and conveniently separated throughout its outline and completely removed from the sheet; the outline portion of the sheet being intact.

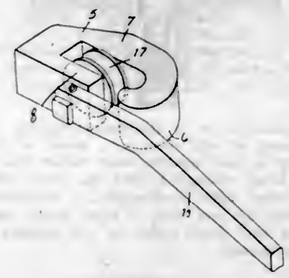
1,590,159. PULLER. WILLIAM A. GILLENTINE, Arlington, Tex. Filed Jan. 12, 1925. Serial No. 2,007. 1 Claim. (Cl. 29—85.)

A puller for the purpose described, comprising a pair of oppositely arranged arms having one or more saw toothed jaws adjacent one end thereof and having their opposite ends forked, a prong of each pair of forks overlapping the corresponding prong of the other pair, a block between the forked ends of the arms, pivots connecting the forks and securing the block therebetween, a



headed screw threaded through the block, a head on the outer end of the screw, a yoke surrounding the arms and pivoted to one of said arms, and a screw member threaded through the yoke and swivelly engaging with the free arm.

1,590,160. POLISH-ROD CLAMP. EDWIN L. GLUYAS, Maricopa, Calif. Filed Dec. 3, 1924. Serial No. 753,727. 1 Claim. (Cl. 24—249.)

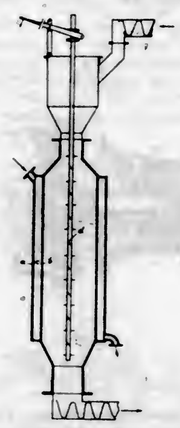


In a device of the character described, a casting having parallel portions, a hooked portion formed integrally with one of said parallel portions, the end of said hooked portion being spaced from the other of said parallel portions, a shaft journaled in said parallel portions, a roller eccentrically mounted on said shaft, and a handle secured to said shaft for the purpose of rotating said roller, said handle being adapted to overlie the opening formed between said hooked portion and the end of said parallel portion.

1,590,161. FURNACE FOR CHEMICAL REACTIONS. LODEWIJK HAMBURGER and EUGÈNE CHARLES PRINS, Dordrecht, Netherlands, assignors to Naamlooze Vennootschap Stikstofbindingsindustrie "Nederland," Dordrecht, Netherlands. Filed Feb. 15, 1924, Serial No. 693,121, and in Netherlands Mar. 13, 1923. 10 Claims. (Cl. 263—41.)

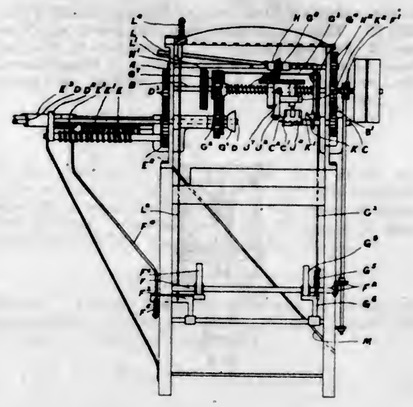
1. A furnace for chemical reactions, particularly for reactions which necessitate a high temperature, having

a reaction chamber with walls consisting of at least three layers wherein the outer layer is relatively thin and com-



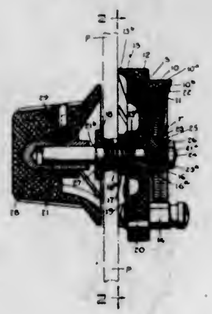
posed of a highly refractory material, while one at least of the other layers consists of a substance in contact with a reducing agent.

1,590,162. MACHINE FOR PEELING, CORING, AND SIZING PINEAPPLES. CHARLES HARGREAVES, Manly, Queensland, Australia. Filed Dec. 27, 1923, Serial No. 683,084, and in Australia July 20, 1923. 6 Claims. (Cl. 146—52.)



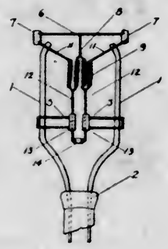
1. In a machine for preparing pineapples, a frame, a main shaft journalled therein, a centering shaft also mounted in the frame and operably connected with the main shaft, points on said shaft, a coring shaft rotatably mounted in the frame opposite the centering shaft and operably connected with the main shaft, means for reciprocating the coring shaft in opposite directions, manually operable means for controlling the direction of reciprocation of the coring shaft, a centering cup mounted on the forward end of the coring shaft, means for reciprocating the cup, and means for controlling the reciprocation of the cup, substantially as and for the purposes set forth.

1,590,163. VARIABLE RESISTOR. CHARLES HARDY, New York, N. Y., assignor to Amsco Products Inc., New York, N. Y., a Corporation of New York. Filed Dec. 23, 1924. Serial No. 757,674. 10 Claims. (Cl. 201—56.)



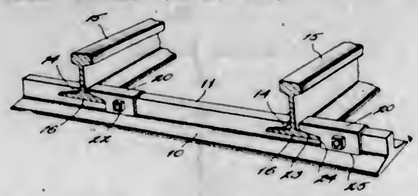
1. A variable resistor comprising a stator member including a supporting base, a resistance element mounted thereon and a connector element fixed thereto, a rotor member including an operating shaft rotatable but held against axial movement in said base and a movable resilient contact blade fixed to said shaft and movable over said resistance element, and a spring located between and arranged to bear axially in opposite directions on said shaft and said connector element, the resilient contact blade and the spring being correlated to act in opposition, each functioning to assist the other in producing efficient electrical engagement between a rotor part and a stator part.

1,590,164. MOUNT FOR INCANDESCENT-LAMP FILAMENTS. ERTLE L. HARRINGTON, Bloomfield, and GODFREY K. PREISER, Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 26, 1920. Serial No. 384,279. 6 Claims. (Cl. 176—39.)



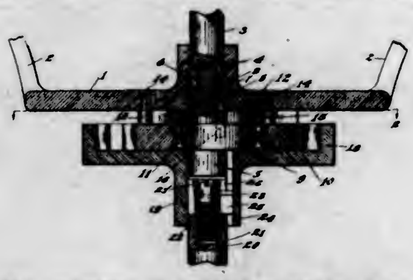
1. In an incandescent electric lamp mount, a coiled filament supported therefrom in a pendent position, said filament being composed of several sections, and means for restricting all the motions of said filament caused by temperature changes excepting those movements which may take place in a predetermined path said means including guide members and links, the latter being connected to said filament, said guide members being connected with said links in a manner to permit substantially only reciprocating motion of said links within said guide members, the former being fixedly secured to the movable portion of said filament and to each other in a manner to prevent oscillatory movement of the sections of said filament.

1,590,165. RAIL-SECURING DEVICE. EDDIE W. HARRIS, Roda, Va., assignor of one-half to Andrew J. Roberts, Roda, Va. Filed Oct. 23, 1925. Serial No. 64,431. 1 Claim. (Cl. 238—344.)



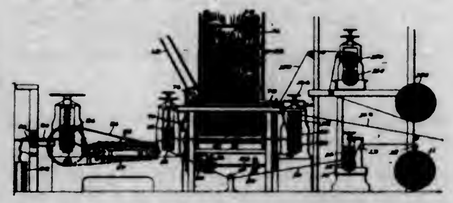
The combination with a recessed tie having an undercut wall at one side of the recess, of a flanged rail received by the recessed portion and engaged by said wall, and an inverted channel element secured to the tie, said tie including an upper longitudinal rib passing through the channelled portion, the flanges of said inverted element being partly cut away at corresponding ends for direct gripping contact with the upper surface of the rail flange, and the cut away portions having vertical walls engaging one edge of the rail flange when the opposite edge is retained by the undercut wall of recessed portion of the tie.

1,590,166. SPEED-REDUCING DEVICE FOR PUMPS. JESSE C. HOWARD, Columbus, Ohio. Filed Feb. 14, 1923. Serial No. 618,899. 1 Claim. (Cl. 74—34.)



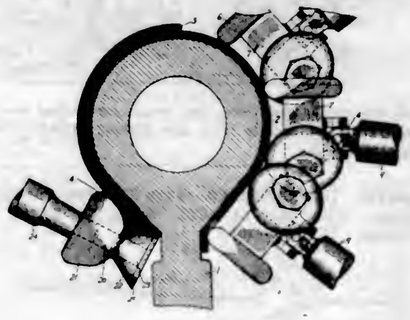
The combination of a stationary support, a thrust bearing formed in said support, a motor shaft, a cam shaft having a cam engaging said thrust bearing, said cam shaft being suspended from the motor shaft free from any other rigid connections, a reducing mechanism operated by said cam, a pump shaft, and means for securing said pump shaft to one member of said reducing mechanism.

1,590,167. MACHINE FOR REENFORCING PAPER. CHARLES H. HOWARD, Saugus, Mass., assignor to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed June 7, 1924. Serial No. 718,579. 44 Claims. (Cl. 154—1.)



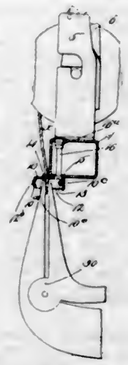
1. A machine of the character described, comprising, in combination, means for feeding a fabric to be reenforced by fibres, means for feeding the fibres transversely to the path of feed of the fabric and in the form of a thin sheet having the fibres arranged in approximately parallel relation, travelling combs for engaging the fibres and applying them to the fabric transversely thereof, and means for positively holding the fibres between the teeth of the combs.

1,590,168. METHOD FOR MANUFACTURING PNEUMATIC TIRES AND APPARATUS THEREFOR. OTTO J. KUHLKE, Akron, Ohio, assignor to The Kuhlke Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 31, 1923. Serial No. 660,328. 15 Claims. (Cl. 154—10.)



15. An implement for shaping tire fabric about a core, comprising a rotatable head, a universal mounting for the head, and three rollers on the head having their edges adapted continuously to contact with the core.

1,590,169. TUFT-YARN CARRIER FOR LOOMS. WALTER BIXBY, Boston, and CHARLES LEA, Milton, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 27, 1926. Serial No. 91,231. 10 Claims. (Cl. 139—10.)

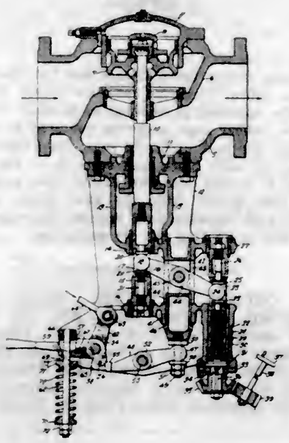


1. In a yarn carrier for tuft weaving, the combination with a spool-supporting frame, means for positioning the yarn tufts in spaced relation along the front of the frame, a plurality of yarn-separating guides detachably mounted beneath said positioning means to separate the individual yarn tufts and guide the yarn-transferring means, and means for relatively retaining said guides against accidental displacement.

1,590,170. PROCESS OF PLATING WITH CHROMIUM. JOHN MERLE HOSDOWICH, Jersey City, N. J., assignor to Chromium Products Corporation, Wilmington, Del., a Corporation of Delaware. Filed Sept. 10, 1925. Serial No. 55,622. 3 Claims. (Cl. 204—1.)

1. In the production of chromium plating baths of better throwing power, the process which comprises adding a small proportion of a soluble salt of a metal more negative than chromium in the electrochemical series to a chromium plating bath containing chromium in two stages of oxidation.

1,590,171. COMBINED TRIP AND THROTTLE VALVE. CHARLES E. SPINNLER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 14, 1923. Serial No. 619,040. 5 Claims. (Cl. 137—139.)

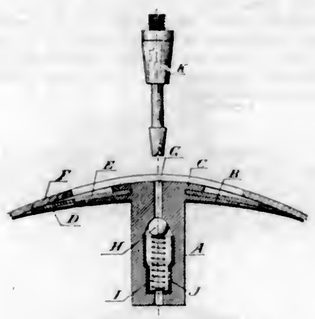


1. The combination with a throttle valve of the self-closing reciprocating type, of a lever pivotally connected therewith, a releasable support for the lever, a sliding sleeve pivotally connected with the lever, and a screw threaded spindle for moving the sliding sleeve.

1,590,172. TOKEN HOLDER. GEORGE E. THORBERG, Sioux Falls, S. Dak. Filed Mar. 27, 1925. Serial No. 18,826. 1 Claim. (Cl. 133—11.)

A holder for perforated tokens comprising a resilient bight portion provided with inwardly bent angled portions forming shoulders, parallel limb portions extending substantially at right angles with the angled portions at the inner ends of the angled portions and said limb portions having their free end portions bent to provide opposite humps.

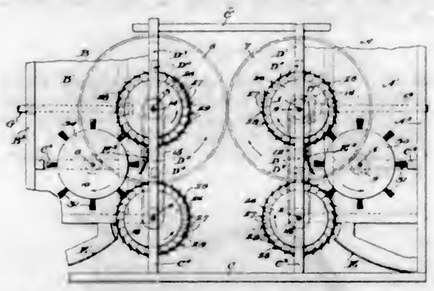
1,590,173. VALVE FOR FOOTBALLS. PROSPER EUGÈNE ANGLADE, Marseille, France. Filed May 24, 1924, Serial No. 715,622, and in France May 28, 1923. 1 Claim. (Cl. 152—12.)



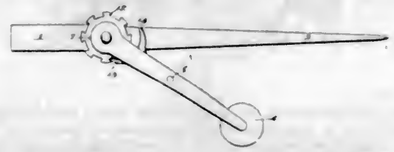
An air valve device for footballs and the like comprising a hollow rubber block, an internal rubber valve seat, a metal tube enclosed in the block, a metal ball valve engaging the rubber seat, a spring enclosed in said tube and pressing the ball upon its seat, an annular flange provided on the said block and secured to the air container, and a second annular flange also provided on said block and spaced from the first flange to accommodate and hold, between said flanges, the usual leather washer or flap protecting the air container.

1,590,174. COTTON HARVESTER. SAMUEL Z. HALL, deceased, late of Little Rock, Ark., by Susie B. Wheeler, executrix, Little Rock, Ark. Filed Apr. 7, 1925. Serial No. 21,408. 5 Claims. (Cl. 56—48.)

1. In a cotton harvester, a supporting structure having translating wheels, picking cylinders mounted in said structure for collecting cotton from the plants, cleaning brushes arranged adjacent said cylinders for removing foreign matter from the cotton, a stripping brush mounted to cooperate with a plurality of picking cylinders to remove the cotton therefrom, and means connecting one of said translating wheels with said picking cylinders and stripping brush.



1,590,175. UNDERCUTTER. FRED S. SMITH, Centralia, Wash., Filed May 14, 1925. Serial No. 30,215. 4 Claims. (Cl. 143—163.)



1. An undercutter comprising a pointed bar provided with a double ratchet-wheel rigidly integral therewith, an oscillating saw-rest arm extending therefrom, said saw-rest arm being provided with a rotatable grooved trolley-wheel and with an oscillating dog, and said oscillating dog having a plurality of pawls capable of engaging the teeth of said ratchet-wheel.

Patents No. 1,590,176 to 1,591,005.

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OF THE
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Issue of June 29, 1926.

Trade-Marks	207—No.	214,523 to No.	214,729, inclusive.
T.M. Renewals	12		
Labels	48—No.	30,539 to No.	30,586, inclusive.
Prints	21—No.	8,915 to No.	8,935, inclusive.
Reissues	4—No.	16,369 to No.	16,372, inclusive.
Designs	34—No.	70,462 to No.	70,495, inclusive.
Patents	520—No.	1,590,176 to No.	1,591,005, inclusive.
Total	1,156		

Notices of Cancellation.

U. S. PATENT OFFICE, *Washington, June 16, 1926.*

Ormont Chemical Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The Ormont Drug & Chemical Co., Inc., 208 Rawson Street, Long Island City, N. Y., to effect the cancellation of trade-mark registration No. 81,870, issued May 16, 1911, to Nathan E. Goldberg, 192 West Broadway, New York, N. Y., which registration, the assignment records of the Office show, has been transferred to The Ormont Chemical Company, 190–196 West Broadway, New York, N. Y. The notice of such proceeding sent by registered mail to the said Ormont Chemical Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Ormont Chemical Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *First Assistant Commissioner.*

U. S. PATENT OFFICE, *Washington, June 2, 1926.*

Standard Motor Parts Mfg. Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Wallach Brothers Company, 6603 Carnegie Avenue, Cleveland, Ohio, to effect the cancellation of the trade-mark registration of the Standard Motor Parts Mfg. Co., 1200 Chestnut Street, Philadelphia, Pa., No. 98,828, dated August 4, 1914, and the notice of such proceeding sent by registered mail to the said Standard Motor Parts Mfg. Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Standard Motor Parts Mfg. Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *First Assistant Commissioner.*

Changes in Classification.

Order No. 2,964, June 3, 1926, provides:

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 40), establish the following subclasses and definitions, the patents contained therein having been taken from various subclasses in classes 150, Cloth, Leather, and Rubber Receptacles; 190, Baggage; and 224, Package and Article Carriers:

Bags
1.6 Brief-bag type.
1.7 Shopping-bag type.

1.6. BAGS, BRIEF-BAG TYPE. Bags falling within the class definition and commonly known as brief bags.
Search Classes—
45—FURNITURE, subclass 60, Desks, Portable.
120—STATIONERY, subclass 23, Scholars' companions.

1.7. BAGS, SHOPPING-BAG TYPE. Bags falling within the class definition and commonly known and used as shopping bags.
Search Class—
229—PAPER RECEPTACLES, subclass 54, Bags, Satchel.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 50), establish the following subclasses and definitions, the patents contained in subclass 2.5 having been taken from class 154, subclass 1, Miscellaneous apparatus, and those contained in subclass 2.6 having been taken for the most part from class 154, subclass 2, Miscellaneous processes, and class 173, Electricity, Conductors, subclass 320, Insulators, Insulating fabrics, abolished in this order:

2.5 **Electrical-insulation making**
2.6 Processes and fabrics.

2.5. ELECTRICAL-INSULATION MAKING. Machines and apparatus coming under the class definition for making electrical insulation.

2.6. ELECTRICAL-INSULATION MAKING, PROCESSES AND FABRICS. Miscellaneous fabrics and structures for insulating purposes and processes of making the same.
Note.—For machines for making sheet insulation see this class, subclass 1.
Note.—For insulating compositions see class 106, PLASTIC COMPOSITIONS.
Note.—For forms of insulators and applications of insulation see class 173, ELECTRICITY, CONDUCTORS.

In *class 173, Electricity, Conductors* (Division 48), abolish the following subclass, the patents contained therein having been placed for the most part in class 154, Laminated Fabric and Analogous Manufactures, subclass 2.6, Electrical-insulation making, Processes and fabrics, established in this order:

Insulators
320 Insulating fabrics.

Condition of Applications Under Examination at Close of Business June 18, 1926.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 44,034; Trade-Mark Division, 1,838. Oldest new case, Jan. 8, 1926; oldest amended, Jan. 2, 1926. The dates given are 1926.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 31	Apr. 5	562
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 19	Feb. 23	602
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 13	Mar. 5	1,210
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 8	Apr. 5	839
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 26	Jan. 26	945
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Feb. 8	Feb. 11	1,410
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 23	Mar. 23	832
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Apr. 2	Mar. 17	1,051
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Mar. 22	Apr. 7	571
118	10. HUNTER, O. F., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Mar. 16	Mar. 18	999
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 11	Mar. 12	767
380	12. PIERCE, P. P., Machine Elements	Mar. 22	Mar. 19	615
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 26	Apr. 12	684
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Mar. 5	Mar. 10	901
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Apr. 3	Apr. 21	608
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 20	Mar. 13	914
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 15	Feb. 15	473
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 10	Feb. 9	832
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 31	Apr. 5	532
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 29	Mar. 29	790
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Mar. 18	Mar. 26	497
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 15	Feb. 19	668
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Apr. 1	Mar. 25	265
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 18	Apr. 10	531
314	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation; Assorting Solids.	Mar. 11	Mar. 17	921
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 13	Jan. 2	758
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 7	Apr. 6	540
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 19	Mar. 22	1,075
160*	29. MORRIS, B. N., Abrading; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 25	Jan. 15	1,010
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Apr. 10	Apr. 1	673
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 2	Mar. 26	872
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Apr. 5	Apr. 2	547
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 14	Apr. 12	805
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 22	Jan. 4	637
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 7	May 5	644
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 27	Mar. 31	982
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Mar. 10	Feb. 24	1,066
145	38. WEAVER, M. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 2	Feb. 1	900
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 4	Mar. 30	463
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Mar. 19	Mar. 25	1,095
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 18	Mar. 15	493
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Mar. 17	Mar. 15	1,067
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 15	Mar. 25	751
253	44. SHAFFER, O. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 8	Jan. 16	1,029
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 13	Mar. 15	524
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 10	Mar. 11	788
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 22	Mar. 24	1,007
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Jan. 8	Jan. 6	1,008
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Apr. 5	Apr. 20	529
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 1	Mar. 9	1,241
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Feb. 6	Feb. 1	1,805
144	52. MORGAN, E. T., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 20	Mar. 19	879
241*	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 15	Apr. 12	761
102	DESIGNS: C. O. MARKHAM (Acting)	May 24	June 4	376
163	TRADE-MARKS, LABELS, AND PRINTS: T. L. MEAD, JR. {Trade-Marks	May 19	June 5	1,736
	{Labels and Prints	May 29	June 10	102

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE MATTLET.

Decided April 21, 1926.

1. FOREIGN APPLICATION—BENEFIT OF FILING DATE—IDENTITY OF APPLICANT AND APPLICANT FOR PATENT FOR SAME INVENTION IN UNITED STATES.

Where the applicant alleged in the oath filed with his application that no application had been filed by him or his legal representatives or assigns in any foreign country, except Belgium on October 22, 1923, and Germany on November 6, 1923, and the certified copy of the Belgian application shows that it was filed in that country by other parties on October 22, 1923, and does not show that it was filed for the applicant, *Held* that the original oath is sufficient for the latter purpose.

2. SAME—SAME—CERTIFIED COPY AND SWORN TRANSLATION.

Since in his original oath applicant alleged the filing of the Belgian application, the certified copy of that application and the sworn translation thereof are sufficient, if that application discloses the invention of this application, to give applicant the benefit of the filing date of the Belgian application, and no further affidavit is necessary. (*Ex parte Barthels* overruled in so far as it is inconsistent with this holding.)

ON PETITION.

Mr. Emil Bonnelycke for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions from the refusal of the Examiner to accept, as sufficient to establish a date of invention prior to a cited reference, a certified copy of his Belgian application and a sworn translation thereof.

The Examiner refused to accept this as sufficient on the authority of the decision in *Ex parte Barthels*, 179 O. G. 574, in which it was held that a mere affidavit that applicant had filed a foreign application disclosing the invention of the United States application was not sufficient and that—

in order to comply with the provisions of rule 75 applicant's affidavit should be accompanied by a copy of the original foreign application, certified to by the Patent Office of the country in which is was filed, and, if it is not in the English language, a sworn translation of the same or a translation made by the official translator of this Office. If the application was not made by the inventor himself, applicant's affidavit should also state that the application in the foreign country was filed for his benefit and that such procedure is in accordance with the procedure in the foreign country.

In the case of *Steel and Steel* v. *Myers*, 205 O. G. 1021; 1914 C. D. 74, the Commissioner held that in an interference an applicant should be given the benefit of the filing date of a foreign application upon the filing of a certified copy thereof if he had alleged in his oath that such foreign application had been filed and it appeared from the certified copy that it was for the same invention as the United States application, pointing out, however, that if the original oath did not allege that the foreign application had been filed it would be necessary, in view of conflicting affidavits, to establish either by stipulation or proof that the applicant was the party who had filed that application or that it was filed for his benefit.

No reason is seen why the same practice should not be followed in ex parte applications, a sworn translation being of course necessary if the foreign application was not in the English language. Section 4887, Revised Statutes, provides that an application filed in this country within 12 months of the filing of an application for the same invention in a foreign country which grants reciprocal privileges to citizens of this country shall have the same force and effect as if it had been filed in this country on the date on which the application was first filed in the foreign country, except for the limitation of two years prior patenting or publication or public use.

In the present case applicant alleged in the oath filed with his application that the invention had not, to the best of his knowledge and belief, been in public use for more than two years prior to the filing of that application or patented or described in any printed publication more than two years prior to that date and that no application had been filed by him or his legal representatives or assigns in any foreign country, except Belgium, on October 22, 1923, and Germany, on November 6, 1923.

[1] The certified copy of the Belgian application shows that it was filed in that country on October 22, 1923. While it does not show that it was the invention of the applicant, the original oath is thought to be sufficient for that purpose.

[2] It is held, therefore, that since in his original oath applicant alleged the filing of the Belgian application the certified copy of that application and the sworn translation thereof are sufficient, if that application discloses the invention of this application, to give applicant the benefit of the filing date of the Belgian application—viz, October 22, 1923—and that no further affidavit is necessary.

The decision in *Ex parte Barthels* is overruled in so far as it is inconsistent with this holding.

The petition is granted.

EX PARTE GENERAL MOTORS CORPORATION.

Decided April 30, 1926.

TRADE-MARKS—CHANGE OF OWNERSHIP—RE-REGISTRATION.

The transferee of a registered trade-mark may re-register that mark in his own name. (Decision in *P. Beiersdorf & Co.* v. *Lehn & Fink, Inc.*, 290 O. G. 811, overruled in so far as it conflicts with the above ruling.)

ON APPEAL.

Application for registration of trade-mark for automobiles, filed August 8, 1924, Serial No. 201,133.

Messrs. Blackmore, Spencer & Flint for the applicant.

ROBERTSON, *Commissioner:*

Applicant appeals from the decision of the Examiner of Trade-Marks refusing to register the name "Chevrolet" as a trade-mark for automobiles.

The Examiner based his refusal on the ruling in *P. Beiersdorf & Co. v. Lehn & Fink, Inc.*, 290 O. G., 811, in which it was held that a transferee of a registered trade-mark cannot re-register that mark in his own name, pointing out that the evidence filed by the applicant, General Motors Corporation, showed that it had taken over the entire business of the Chevrolet Motor Company, which had registered on March 13, 1914, the trade-mark "Chevrolet" for the same goods.

In the Beiersdorf case it was held that since the act of 1905 provided for the assignment of registered trade-marks and provided that a certificate of registration might be renewed by the registrant or his "transferees of record in the Patent Office" it would seem clear that Congress intended in the act to provide for but a single registration and that the Patent Office has exhausted its authority under the act when it follows the procedure laid down therein. It was stated that the alleged inconveniences arising from a transferee having to establish its title in certain cases were too trivial to outweigh the inconvenience to the public of having two coexisting registrations of the same mark.

The act of 1905 provides that a trade-mark may be registered by the owner thereof, except in certain designated cases. The Supreme Court of the United States has held (*Beckwith v. Commissioner of Patents*, 274 O. G. 613; 252 U. S. 538) that the requirement that no mark shall be refused registration except in such cases—

is just as imperative as the prohibition of the proviso against registration in cases specified.

The statute does not prohibit the re-registration of a trade-mark by the transferee, and there are certain advantages to the transferee in having the mark registered in his own name. For example, it will be much less expensive for him to obtain registration of the mark in the foreign countries, since it will not be necessary to file copies of the papers evidencing the transfer of title with the necessary legalizations thereof, and in the event of a suit against a later user the certificate of registration to the transferee will be prima facie evidence of his ownership, whereas if he has to sue on the registration granted to his transferor he will have to prove his title unless the defendant in the suit will stipulate it.

It is the policy of the Patent Office to assist manufacturers in every way possible in developing and protecting their foreign trade. Under this policy it is not believed that registration should be refused to the transferee of a trade-mark unless such re-registration is specifically forbidden by the statute or follows as an obviously necessary inference from the statute.

No such prohibition being found in the statute it follows that the registration here sought should be granted.

The decision in *P. Beiersdorf & Co. v. Lehn & Fink, Inc.*, 290 O. G. 811, in so far as in conflict with the above holding, is overruled.

The decision of the Examiner of Trade-Marks is reversed.

Court of Appeals of the District of Columbia.

ROCKE v. BOGDONOFF.

No. 1,818. Decided February 1, 1926.

INTERFERENCE—MOTION TO DISSOLVE—RIGHT TO MAKE CLAIMS—MUST BE CHALLENGED AT INCEPTION OF PROCEEDINGS.

A party challenging the right of his opponent to make the contested claims must do so at the inception of the proceeding by motion to dissolve the interference.

APPEAL from Patent Office. Affirmed.

Mr. Robert W. Hardie, Mr. C. M. Thomas, and *Mr. F. D. Thomas* for Rocke.

Mr. W. G. Henderson and *Mr. Geo. D. Richards* for Bogdonoff.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORDEL, *J.*:

This is an interference proceeding in which the invention relates to an attachment for a two-needle sewing machine to be used in simultaneously attaching both edges of a strip, carrying separable fasteners to a garment. A channel is provided between the work support and the presser foot of a machine of this type. The issue is in two counts as follows:

1. In a sewing-machine having a feed plate, a presser foot adapted to contact therewith, and a channel plate adjacent said feed plate, means to permit the free unobstructed passage of a tape having separable fastening devices secured thereto, between said presser foot and feed plate, said means comprising a channel in said feed-plate intermediate the sides of and beneath said presser foot.

2. In a sewing machine having a feed plate, a presser foot adapted to contact therewith and a channel plate adjacent said feed plate, means to permit the free unobstructed passage of a tape having separable fastening devices secured thereto between said presser foot and feed plate, said means comprising a channel in said feed plate, and means to guide said tape to the feed plate comprising a channel in alignment with said first mentioned channel located below the top of said channel plate.

Counsel for appellant Rocke in his brief describes his invention as follows:

Rocke set out to invent an attachment for simultaneously sewing to garment material both edges of a tape having riveted hooks and eyes secured thereto. When being sewed to a garment, the garment material is placed upon the back of the tape with the fasteners facing downward. In such position, the face of the tape carrying the fasteners will not lie flush and even with the surface of the feed plate or channel plate, and consequently Rocke formed a channel in his feed plate and channel plate, deep enough for the hooks to pass through, and supported the outer margins of the tape on ledges arranged on opposite sides of the channel, and he covered the channel and ledges with a top plate, making a covered channel with the tape passing under the top plate.

It is unnecessary to consider the facts involved in this case, since appellant in his notice of appeal from the decision of the Commissioner makes, among others, the following assignments of error:

(11) In failing to apprehend and decide that Bogdonoff never at any time invented or originated a device of the counts in issue having a channel plate and a channel located below and covered by the top of a channel plate.

(17) In failing to consider and hold that the failure of the party Rocke to prosecute a motion to dissolve the interference did not confer upon the Commissioner of Patents the right to issue a patent to Bogdonoff, including count 2 of the issue, on an application that neither describes nor illustrates a device accomplishing the result produced by the device of count 2, concerning which Bogdonoff has never made oath, either in his application or otherwise, that he was the inventor thereof.

It will be observed that nowhere do the claims of the issue call for a covered channel with the tape passing under a top plate. It is unnecessary, however, to consider the question of the inability of either the appellant or the appellee to make these claims, since appellant has waived his right to question appellee's right to make the claims. It is familiar law that a party challenging the right of his opponent to make the contested claims must do so at the inception of the proceeding by motion to dissolve the interference. He will not be allowed to keep silent and, after failing to establish priority of invention, then, for the first time, assert the inability of his opponent to make the claims. He will not be permitted to thus play fast and loose with the court.

We will not in the present proceeding consider the patentability of appellee's device or his right to make the claims in issue. That becomes a matter of first impression for the Patent Office when the present case goes back.

The decision of the Commissioner is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

745,969, J. B. McCarthy, Electric-fuse holder; 1,129,459, A. L. Eustice, Renewable cartridge fuse, decree of district court affirmed Apr. 9, 1926, C. C. A. (7th Cir.), Doc. 3557, *Economy Fuse & Mfg. Co. v. Chicago Fuse & Mfg. Co.*

923,557, F. Milliken, Tower or pole, suits filed May 10, 1926, D. C., W. D. Mo. (W. Div.), Doc. 735, *F. Milliken v. Kansas City Power & Light Co.*; and D. C. Kans. (Topeka), Doc. 811N, *F. Milliken v. The Missouri Valley Bridge & Iron Co.*; and D. C., S. D. N. Y., Doc. E 37/15, *F. Milliken v. American Gas & Electric Co.*; and Doc. E 37/16, *F. Milliken v. Western Power Corp.*; and Doc. E 37/17, *F. Milliken v. Phoenix Utility Co.*; and Doc. E 37/18, *F. Milliken v. Electric Bond & Share Co.* Same, suit filed May 11, 1926, D. C., N. D. Ga., Doc. 67, *F. Milliken v. Columbus Electric & Power Co.*

1,026,721, (*a*), H. Thomas, Meat holder; 1,274,958, C. F. M. van Berkel, Holder for slicing machines, appeal filed Apr. 14, 1926, C. C. A. (7th Cir.), Doc. 3755, *The A. J. Deer Co. v. U. S. Slicing Machine Co.*

1,026,721 (*b*), H. Thomas, Meat holder, appeal filed Apr. 14, 1926, C. C. A. (7th Cir.), Doc. 3756, *The A. J. Deer Co. v. U. S. Slicing Machine Co.*

1,055,351, O. E. Pease, Awning support, consent decree sustaining patent and granting injunction May 10, 1926, D. C., S. D. N. Y., Doc. E 30/265, *F. J. Kloes, Inc.*, v. *H. Kahn.*

1,062,965, S. E. Greenberg, Door-securing device, suit filed Mar. 17, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5698, *Protect Your Home Lock Co. et al. v. Lakeside Mfg. Co. et al.*

1,063,918, C. W. Graham, Can-body-forming machine; 1,154,244, same, Automatic stop motion for can-body-forming machine; 1,489,309, F. Credity, Safety device for punch presses and the like; 1,515,774, L. L. Jones, Method of and apparatus for automatically stopping automatic presses, suit filed May 8, 1926, D. C., W. D. Wash. (N. Div.), Doc. 532, *American Can Co. v. Seattle Can Co.*

1,071,712, L. E. Curtis, Machine for slitting sheet metal; 1,090,961, F. C. Arey, Machine for expanding sheet metal, suit filed Feb. 1, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5590, *Northwestern Expanded Metal Co. v. Fort Dearborn Mfg. Co.*

1,078,982, J. Banwell, Street paving, suit filed May 10, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1909, *R. L. Beck et al. v. Servicised Products Corp. et al.*

1,090,961. (See 1,071,712.)

1,105,230, S. A. Wiltsie, Toaster, patent held valid but not infringed, bill dismissed (notice dated May 10, 1926), D. C., S. D. Ill. (N. Div.), Doc. 274, *Westinghouse Electric Products Co. v. Rock Island Mfg. Co.*

1,111,358, E. Bretch, Short-circuiting device, suit filed Mar. 27, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5721, *The Emerson Electric Mfg. Co. v. Janette Mfg. Co.*

1,129,459. (See 745,969.)

1,132,511, A. B. Boughan, Scrub-brush holder; 1,254,779, Craig & Ray, Wire-bound-crate-side machine, suit filed Mar. 22, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5717, *Saranac Automatic Machine Corp. v. Latham Machinery Co.*

1,154,244. (See 1,063,918.)

1,164,319, M. Stieler, Concrete form, decree of district court affirmed Apr. 27, 1926, C. C. A. (7th Cir.), Doc. 3701, *The Heine Chimney Co. v. Rust Engineering Co.*

1,166,523, 1,207,761, Hult & Hult, Outboard motor; 1,467,641, L. J. Johnson, same, suit filed Feb. 26, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5658, *Johnson Bros. Engineering Corp. et al v. W. L. Masters.*

1,207,761. (See 1,166,523.)

1,254,779. (See 1,132,511.)

1,274,958. (See 1,026,721 (*a*).)

1,287,169, H. A. Young, Vacuum-producing system, suit filed Feb. 8, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5609, *Young Pump Co. v. Economy Pumping Machine Co.*

1,297,324, Clark & Hovey, Electric contact device for railway vehicles, suit filed Apr. 1, 1926, D. C. Ind., Doc. E 11, *General Rwy. Signal Co. et al v. H. W. Beggs et al.*

1,299,232. (See 1,465,148.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Mar. 24, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5718, *The Bassick Mfg. Co. v. Community Motor Supply Co.*

1,307,734. (See 1,307,733.)

1,329,130, E. Mahler, Apparatus for making ornamental paper, suit filed May 7, 1926, D. C., N. D. N. Y., *Kimberly Clark Co. v. Harmon Paper Co.*

1,360,256, 1,528,178, E. Anderson, Can opener, suit filed May 6, 1926, D. C., N. D. Calif. (N. Div.), Doc. E 209. *Star Can Opener Co.* v. *J. B. Lynn.*

1,411,184. (See 1,465,148.)

1,465,148, H. Rosenberg, Screw; 1,411,184, same, Sheet-metal structure and fastening therefor; 1,299,232, same, Art of fastening sheets together, suit filed Mar. 12, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5683, *H. Rosenberg et al* v. *J. J. Ingels.*

1,467,641. (See 1,166,523.)

1,489,309. (See 1,063,918.)

1,515,774. (See 1,063,918.)

1,522,289, B. E. Cover, Public-speaking-telephone receiver, suit filed Mar. 10, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5677, *B. E. Cover et al.* v. *Kellogg Switchboard & Supply Co.*

1,528,178. (See 1,360,256.)

1,544,246, H. J. Leslie, Tool for removing bushings, suit filed May 7, 1926, D. C. Mo. (W. Div.), Doc. 734, *H. L. Morrow et al.* v. *A. C. Honeycutt (Honeycutt Mfg. Co.).*

1,558,187, D. Lambert, Knife sharpener, suit filed Feb. 8, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5610, *D. Lambert et al.* v. *American Cutlery Co.*

1,561,198, R. P. White, Jar and bail therefor; Re. 14,254, same, Jar, suit filed Mar. 30, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5723, *R. P. White* v *Western Stoneware Co.*

1,561,264, 1,565,023, E. M. Mayer, Child's vehicle, suit filed Feb. 1, 1926, D. C., N. D. Ill. (E. Div.), Doc. 5592, *The Wonder Mfg. Co.* v. *The Fair.*

1,562,787, I. M. Petersime, Incubator, suit filed May 10, 1926, D. C. Kans. (2d Div.), Doc. E 416 N, *I. M. Petersime* v. *D. Harr et al.*

1,565,023. (See 1,561,264.)

1,573,341, E. B. Hiatt, Device for packing fruit and the like, suit filed May 6, 1926, D. C., S. D. N. Y., Doc. E 36/397, *Carpenter-Hiatt Sales Co.* v. *F. A. Read, Inc.*

1,578,607, Levy & Wander, Watch, suit filed May 11, 1926, D. C., S. D. N. Y., Doc. E 37/19, *M. H. Levy et al.* v. *Edison Watch Co., Inc., et al.*

Re. 13,232, J. R. Hatmaker, Drying milk, suit filed May 6, 1926, D. C., N. D. N. Y., Doc. 827, *J. R. Hatmaker* v. *Dairymen's League Co-Operative Ass'n, Inc.*

Re. 14,254. (See 1,561,198.)

Des. 64,777, Des. 64,778, Des. 64,779, Des. 64,880, E. A. Walker, Electric chandelier, decree after trial, Apr. 6, 1926, D. C. N. J., Doc. E 580, *N. Goldberg et al. (The G. & A. Fixture Co.)* v. *D. Tunick (Orange Electric Lighting Co.) et al.*

Des. 64,778. (See Des. 64,777.)

Des. 64,779. (See Des. 64,777.)

Des. 64,880. (See Des. 64,777.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,535,271, L. C. Vanderlip, Motor-vehicle lock, decided May 21, 1926, claims 7 and 12.

Pat. 1,540,374, E. W. Stevens, Locking device for fluid-pressure tools, decided May 21, 1926, claim 2.

Pat. 1,552,778, Turner and Harber, Curtain fastening and releasing means, decided May 22, 1926, claims 1 and 2.

Pat. 1,557,780, Schumacher and Boutelle, Parts for ophthalmic mountings, decided June 14, 1926, claim 3.

Final decisions in interferences have been rendered against the following registered trade-marks:

T. M. 79,788, Hams, bacon, and lard, W. C. Routh & Company, Logansport, Ind. Registered October 4, 1910. Decided May 7, 1926.

T. M. 121,113, Fresh apples, White Bros. & Crum Co., Lewiston, Idaho, and Yakima, Wash. Registered April 2, 1918. Decided May 22, 1926.

Interference Notice.

U. S. PATENT OFFICE, *Washington, June 11, 1926.*

Harry S. Daubert, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of John M. Hufft, of box 711, Tucson, Ariz., and patent granted October 23, 1923, No. 1,471,452, to Harry S. Daubert, of 710 Pierce Street, Amarillo, Tex., and a notice of such declaration sent by registered mail to said Daubert at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Daubert, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 29, 1926.

[VOL. 347. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 159,861. (CLASS 39. CLOTHING.) JOHN V. FARWELL COMPANY, Chicago, Ill. Filed Feb. 27, 1922.

Particular description of goods.—Gloves Composed of Leather, Rubber, Fabric, or Combination Thereof, and Hosiery.

Claims use since Jan. 20, 1922.

Ser. No. 201,002. (CLASS 37. PAPER AND STATIONERY.) LEFAX, Philadelphia, Pa. Filed Aug. 5, 1924.

LEFAX

Particular description of goods.—Loose-Leaf Binders, Loose-Leaf Blank Books and Parts Thereof, Sheets Ruled for Data, Blank Sheets, Filing Boxes, Guide Cards, Indexes, Paper Punches, Filing and Mailing Envelopes, Celluloid Leaves, Tracing Cloth, Rubber Stamps, Picture Mounts, and Reenforcing Tabs.

Claims use since Oct. 29, 1910, on loose-leaf binders, loose-blank leaf books and parts thereof, sheets ruled for data, and blank sheets; since May, 1913, on filing boxes and guide cards; since December, 1913, on indexes; since March, 1914, on paper punches; since July, 1914, on filing and mailing envelopes; since November, 1914, on celluloid leaves; since April, 1915, on tracing cloth; since January, 1917, on rubber stamps; since May, 1917, on picture mounts; since October, 1918, on reenforcing tabs.

Ser. No. 206,861. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RAVEN SCREEN CORPORATION, New York, N. Y. Filed Dec. 17, 1924.

RAVEN HALFTONE SCREEN

Applicant disclaims any exclusive right to the word "Screen" apart from the mark shown on the drawing. The lining expresses shading.

Particular description of goods.—Screens for Moving Pictures, Stereopticons, and Similar Projecting Apparatus.

Claims use since July 1, 1919.

Ser. No. 210,164. (CLASS 37. PAPER AND STATIONERY.) THE COOKE & COBB COMPANY, Brooklyn, N. Y. Filed Feb. 26, 1925.

MANUFACTURERS C&C TRADE MARK

The words "Manufacturers, Trade-Mark" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Paper and Stationery—Viz, Expanding and Flat Envelopes for Correspondence and Papers, Files for Correspondence and Papers, Wallets of Paper and of Paper and Fabric; Folders, Binders, Covers, and Wrappers for Preserving Papers and the like; Desk Pad Calendars, Alphabetical-Index Inserts, Diaries, Office-Hour Indicators, Sales Cash Checks, Hand-Operated Perforators, Arch Files, Board Clips, and Metal Clips.

Claims use since about 1905.

Ser. No. 210,609. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Mar. 6, 1925.

The mark comprises a red straight line or band upon which the words "Straight Line" are printed.

Particular description of goods.—Toilet Paper, Paper Towels, Paper Napkins, Crêpe-Paper Products—Namely, Doilies and Table Coverings; and Crêpe Papers.

Claims use since Dec. 12, 1924.

Ser. No. 210,922. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PLAYER-TONE TALKING MACHINE CO., Pittsburgh, Pa. Filed Mar. 12, 1925.

Player-Tone

Particular description of goods.—Saxophones.

Claims use since May 1, 1918.

Ser. No. 211,254. (CLASS 37. PAPER AND STATIONERY.) CAREW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed Mar. 19, 1925.

NONOTUCK BOND

No claim is made to the word "Bond" apart from the mark shown in the drawing.

Particular description of goods.—Writing and Printing Paper.

Claims use since Mar. 30, 1916.

Ser. No. 211,589. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GATES CHEMICAL COMPANY, Denver, Colo. Filed Mar. 25, 1925.

KAOMA

Cleanser

The word "Cleanser" is disclaimed apart from the mark shown. The drawing is lined for the purpose of shading only.

Particular description of goods.—Cleaning and Scouring Preparations for General Purposes.

Claims use since May 25, 1924.

Ser. No. 211,623. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Mar. 25, 1925.

WESLUBE
RED LABEL

The words "Red Label" are disclaimed apart from the mark shown.

Particular description of goods.—Lubricating Oils.

Claims use since Dec. 13, 1924.

Ser. No. 211,811. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) TURNEY H. STOUGH, doing business as The Jeannette Toy and Novelty Co., Jeannette, Pa. Filed Mar. 28, 1925.

CAMERAGRAPHS

Particular description of goods.—Portable Phonographs.

Claims use since Oct. 4, 1924.

Ser. No. 213,134. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM HENRY, doing business as Henry Mfg. Co., Rockford, Ill. Filed Apr. 22, 1925.

HENRY
CARRY-ALL

No claim is made to the use of the name "Henry" or to the words "Carry-All" apart from the mark shown by the drawing.

Particular description of goods.—Foldable Luggage Carrier for Vehicles.

Claims use since Mar. 23, 1925.

Ser. No. 213,762. (CLASS 38. PRINTS AND PUBLICATIONS.) BEAUTIFUL AMERICA PUBLISHING CORPORATION, New York, N. Y. Filed May 4, 1925.

Beautiful America

Particular description of goods.—Periodicals Published Monthly.

Claims use since Dec. 14, 1924.

Ser. No. 214,037. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) R. F. VANDERBILT COMPANY, INC., New York, N. Y. Filed May 8, 1925.

No claim is made for the words "R. T. Vanderbilt Co., N. Y., American Products, Clay" apart from the distinctive design shown in the drawing.

Particular description of goods.—Clay Used As a Raw Material in the Manufacture of China and Pottery, and for Ceramic Purposes.

Claims use since Apr. 1, 1924.

Ser. No. 214,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAMPION CHEMICAL WORKS, INC., Chicago, Ill. Filed May 9, 1925.

AUTO LYE

No claim is made for the word "Lye" apart from the mark shown.

Particular description of goods.—Lye.

Claims use since about Nov. 6, 1899.

Ser. No. 214,075. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARDWICK & MAGEE COMPANY, Philadelphia, Pa. Filed May 9, 1925.

MELROSE
BROADLOOM
CARPET

No claim is made to the words "Broadloom Carpet" apart from the mark as shown.

Particular description of goods.—Textile Carpets.

Claims use since Apr. 20, 1925.

Ser. No. 214,076. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARDWICK & MAGEE COMPANY, Philadelphia, Pa. Filed May 9, 1925.

REGO
BROADLOOM
CARPET

No claim is made to the words "Broadloom Carpet" apart from the mark as shown.

Particular description of goods.—Textile Carpets.

Claims use since Apr. 20, 1925.

Ser. No. 214,089. (CLASS 25. LOCKS AND SAFES.) MASTER LOCK COMPANY, Milwaukee, Wis. Filed May 9, 1925.

Particular description of goods.—Padlocks, Hasp Locks, Door Guards, and Door Bolts.

Claims use since Sept. 1, 1923.

Ser. No. 214,263. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MONARCH MILLS, Union and Lockhart, S. C. Filed May 13, 1925.

OAKLAND

Particular description of goods.—Cotton Piece Goods.
Claims use since 1901.

Ser. No. 214,274. (CLASS 39. CLOTHING.) RADFORD BROS., Pittsburgh, Pa. Filed May 13, 1925.

The color red is not essential to the trade-mark, and the exclusive use of this color is disclaimed.
Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts and Blouses.
Claims use since May 1, 1923.

Ser. No. 214,461. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SCHLEICHER, INC., Chicago, Ill. Filed May 16, 1925.

SLYKER

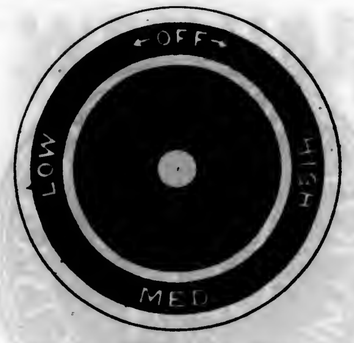
Particular description of goods.—Metal Radiator Inclosures, Shields, and Grilles.
Claims use since on or about Oct. 1, 1924.

Ser. No. 214,780. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOHN S. CLEMENT COMPANY, INCORPORATED, Philadelphia, Pa. Filed May 23, 1925.

RYTMO PROCESS

No claim is made to the word "Process" apart from the mark shown in the drawing.
Particular description of goods.—Raw or Partly-Prepared Materials.
Claims use since June, 1924.

Ser. No. 214,906. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ARROW ELECTRIC COMPANY, Hartford, Conn. Filed May 26, 1925.



The trade-mark consists of the legend-carrying area shown in the drawing, consisting of a circular band in black bounded by concentric circular bands in silver white, and legends, also in silver white, appearing in the legend area so bounded. No claim is made to the representation of a switch cover or dial except as shown and described, nor to the words "Off," "High," "Med," and "Low." The shading indicates the color black and the rings are silver white.
Particular description of goods.—Rotary Snap Switches.
Claims use since August, 1923.

Ser. No. 215,532. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EMORY C. PERRY, doing business as C. A. Boyle & Company, Chicago, Ill. Filed June 9, 1925.

The words "Dry Duck," "Brand," and "Quality" are disclaimed except in connection with the mark shown in the drawing.
Particular description of goods.—Shower-Bath Curtains.
Claims use since Jan. 1, 1913.

Ser. No. 215,544. (CLASS 39. CLOTHING.) WILLIAMSON-DICKIE MANUFACTURING COMPANY, Fort Worth, Tex. Filed June 9, 1925.

DON

Particular description of goods.—Children's Play Suits—Namely, Overalls, Trousers, Shirts, and Rompers.
Claims use since Mar. 1, 1922.

Ser. No. 215,728. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALT WOOLEN COMPANY, INC., New York, N. Y. Filed June 13, 1925.

BRITTANNIA

Particular description of goods.—Woolen and Worsted Piece Goods.
Claims use since May 15, 1925.

Ser. No. 215,748. (CLASS 39. CLOTHING.) ALEXANDER LEE WALLAU, INC., New York, N. Y. Filed June 13, 1925.

BONNIE DOON

Particular description of goods.—Hosiery.
Claims use since Jan. 30, 1924.

Ser. No. 215,879. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SANITATE PAINT RENOVATING CORPORATION, Baltimore, Md. Filed June 16, 1925.

SANITATE

Particular description of goods.—Chemical Preparation for Cleaning Painted Surfaces.
Claims use since Oct. 20, 1924.

Ser. No. 216,135. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BARTOW BEVERAGES, INC., Nashville, Tenn. Filed June 22, 1925.

Gold Seal

No claim is made to the exclusive use of the words "Bartow's Beverages, Inc." and "Nashville, Tenn." apart from the mark shown in the drawing.
Particular description of goods.—Ginger Ale.
Claims use since Sept. 15, 1924.

Ser. No. 216,755. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CREAM CITY PRODUCTS CO., Milwaukee, Wis. Filed July 1, 1925.

Particular description of goods.—Ginger Ale.
Claims use since Dec. 6, 1924.

Ser. No. 216,923. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed July 6, 1925.

THE UNIVERSAL

Particular description of goods.—Folding Ironing Tables.
Claims use since May 1, 1925.

Ser. No. 216,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed July 6, 1925.

HOT DOG

Particular description of goods.—Mustards.
Claims use since June 16, 1925.

Ser. No. 217,928. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL J. GALLAGHER, Brawley, Calif. Filed July 27, 1925.

Let'er Go

Particular description of goods.—Fresh Vegetables—Namely, Tomatoes, Lettuce, and Peas; Fresh Fruits—Namely, Strawberries, Apples, and Peaches; Fresh Melons—Namely, Cantaloupes.
Claims use since Mar. 1, 1925.

Ser. No. 218,737. (CLASS 37. PAPER AND STATIONERY.) COMMONWEALTH PUBLISHING COMPANY, Chicago, Ill. Filed Aug. 12, 1925.

Champion

Particular description of goods.—Blank Books.
Claims use since July 1, 1925.

Ser. No. 218,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEONETT & CO., Chicago, Ill. Filed Aug. 13, 1925.

TOPSY

Particular description of goods.—Foods and Ingredients of Foods, Covering Specifically Ice Cream and Frozen Confections.
Claims use since May 1, 1925.

Ser. No. 219,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORA LAWRENCE, Fort Wayne, Ind. Filed Aug. 18, 1925.

No claim is made to the words "Foot Remedy" apart from the mark shown in the drawing.
Particular description of goods.—Preparation in Powdered Form Used in the Treatment of Tired, Aching, and Burning Feet.
Claims use since April, 1925.

Ser. No. 219,652. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN GLUE COMPANY, Boston, Mass. Filed Sept. 2, 1925.

HERCULES BELTS

No claim is made for the word "Belts" apart from the mark shown in the drawing.
Particular description of goods.—Abrasive Papers and Abrasive Cloths.
Claims use since May 25, 1897.

Ser. No. 220,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS. YORK MANUFACTURING CO. INC., New York, N. Y. Filed Sept. 11, 1925.

MARIANA

Particular description of goods.—Cotton Piece Goods and Silk and Cotton Piece Goods.
Claims use since July 1, 1924.

Ser. No. 220,374. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RE-NU MANUFACTURING CO., Omaha, Nebr. Filed Sept. 21, 1925.

REN-U

Particular description of goods.—Liquid Cleaner for Cleaning Linoleum, Rubber Tile, Cork Tile, Marble, Terrazzo, Woodwork, Walls, and Like Surfaces.
Claims use since Mar. 25, 1925.

Ser. No. 220,597. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. & J. C. DORWARD LIMITED, Galaschiels, Scotland. Filed Sept. 22, 1925.

GALA FOREST

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Nov. 1, 1923.

Ser. No. 221,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HULMAN & CO., Terre Haute, Ind. Filed Oct. 8, 1925.

Particular description of goods.—Canned Goods—Namely, Peaches, Blackberries, Pineapples, Gooseberries, Cherries, Raspberries, Strawberries, Asparagus, Beans, Corn, Beets, Peas, Sauerkraut, Spinach, Tomatoes, Chile Con Carne, Mushrooms, Soups, Shrimps, Evaporated Milk, Tomato Purée, Salmon, Apricots, Fruits for Salads, Pears, Apples, Grapefruit, Hominy, Pumpkin, Sweet Potatoes, Apple Sauce, and Cranberry Sauce; Spices, Etc.—Namely, Rosemary Leaves, Cassia, Laurel Leaves, Curry Powder, Red Paprika, Nutmegs, Cloves, Sage, Mace, Mixed Spices, Pepper (Black), Pepper (Red), Mustard Seed, Birdseed, Celery Seed, Chili Powder, Ground Mustard, Ginger, Cinnamon, Allspice, Celery Salt; Sirups, Jams, Etc.—Namely, Peach Butter, Apple Butter, Jams, Jellies, Strawberry Preserves, Peanut Butter, Honey, Cane and Maple Sirup, Sorghum, Sugar Sirup, Glucose, Molasses and Sorghum, Corn Sirup, Strawberry Fountain Fruit; Miscellaneous Groceries—Namely, Coffee, Cake Flour, Graham Flour, Corn Meal, Rolled Oats, Oatmeal, Potato Chips, Powdered Sugar, Popping Corn, Pancake Flour, Pimientos, Canned Tunny Fish, Tabasco Sauce, Horse-Radish, Salad Dressing, Salad Oil, Cottonseed Table Oil, Worcestershire Sauce, Vinegar, Chili Sauce, Prepared Mustard, Horse-Radish Mustard, Thousand Island Dressing, Mayonnaise, Pickles (Sour and Sweet), Tomato Catchup, Olives (Plain and Stuffed), Tapioca, Rice, Spaghetti, Citron Peel, Lemon Peel, Orange Peel, Marshmallow Crème, Candy, Cocoa, Tea, Salted Peanuts, Sardines, Gelatin, Coconut, Pearl Barley, Cornstarch, Buckwheat Flour, Egg Noodles, Macaroni, Olive Oil, Extract of Vanilla and Extract of Lemon for Food Purposes, Capers, Mincemeat, Dried Figs, Dates, Dried Currants, Raisins, Dried Prunes, Dried Peaches, Evaporated Apricots, Dried Codfish, Dried Lake Herring, Dried Holland Herring, Dried Spiced Herring, Dried Mackerel, American Cheese, Canned Oysters.
Claims use since May 27, 1925.

Ser. No. 221,644. (CLASS 12. CONSTRUCTION MATERIALS.) SUPERIOR PORTLAND CEMENT COMPANY, Seattle, Wash. Filed Oct. 12, 1925.

All wording shown on the drawing except the words "Superior Portland Cement Inc." is disclaimed apart from the mark shown thereon. The picture is that of George Washington.
Particular description of goods.—Portland Cement.
Claims use since 1919.

Ser. No. 222,233. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GENERAL BOTTLING & DISTRIBUTING CO. INC., Los Angeles and Santa Ana, Calif. Filed Oct. 24, 1925.

General

Particular description of goods.—Nonalcoholic, Malt-less Beverages Sold as Soft Drinks and Extracts and Sirups for Making the Same.
Claims use since June 15, 1924.

Ser. No. 222,450. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEARHART-SCHLUETER RADIO CORPORATION, Fresno, Calif. Filed Oct. 28, 1925.

Quadraformer

Particular description of goods.—Radiotransformers and Radio Receiving Sets.
Claims use since Apr. 4, 1925.

Ser. No. 222,680. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEO. H. IRVINE, doing business as Sno-Flake Products Company, Detroit, Mich. Filed Nov. 2, 1925.

E.Z.-GLO

Particular description of goods.—Polishes for Cellulose Lacquer Surfaces.
Claims use since Apr. 15, 1925.

Ser. No. 222,700. (CLASS 37. PAPER AND STATIONERY.) SNOWDON PARLETTE, Oklahoma City, Okla. Filed Nov. 2, 1925.

The drawing is lined to indicate shading only.
Particular description of goods.—Notebook Fillers, Note Paper, Writing Tablets, Pens, and Pencils.
Claims use since September, 1924.

Ser. No. 222,851. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LE MAIRE PERFUMEUR, INC., Chicago, Ill. Filed Nov. 5, 1925.

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfume, Incense, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Talcum Powders, and Sachets.
Claims use since Aug. 18, 1924.

Ser. No. 222,868. (CLASS 39. CLOTHING.) THE PALACE CREDIT CLOTHING CO., Pittsburgh, Pa. Filed Nov. 5, 1925.

London Tex

The word "London" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Men's and Young Men's Suits, Overcoats, and Topcoats.
Claims use since Aug. 20, 1925.

Ser. No. 222,869. (CLASS 39. CLOTHING.) THE PALACE CREDIT CLOTHING CO., Pittsburgh, Pa. Filed Nov. 5, 1925.

KLAD-WELL

Particular description of goods.—Boys' Suits, Overcoats, and Topcoats.
Claims use since Aug. 20, 1925.

Ser. No. 222,881. (CLASS 25. LOCKS AND SAFES.) A. C. REHBERGER CO., Chicago, Ill. Filed Nov. 5, 1925.

CAPITOL DOME

Particular description of goods.—Portable Savings Bank.
Claims use since Aug. 20, 1925.

Ser. No. 223,005. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VERBAND DEUTSCHER ELEKTROTECHNIKER E. V., Berlin, Germany. Filed Nov. 7, 1925.

Particular description of goods.—Electric-Fuse-Melting Plugs, Parts of Electric Fuses into Which Such Plugs are Adapted to be Screwed, Box Switches and Plug Boxes for Electric Installations, Sockets for Incandescent Electric Lamps, Connecter Boxes for Electric Installations, Electric-Bell Transformers, Electric Appliances for Heating Water and Other Liquids and for Baking, Electric Flatirons, Electric Vacuum Cleaners, and Electric Hair Driers.
Claims use since Dec. 9, 1924.

Ser. No. 223,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREEN BROTHERS FRUIT AND PRODUCE COMPANY, doing business as Those Green Brothers, Denver, Colo. Filed Nov. 10, 1925.

No claim is made to the exclusive use of the words "Those Green Brothers" except when used substantially in the connection or relation shown in the drawing and facsimiles. The diagonal parallel lines in the drawing indicate the color green; but color is disclaimed, as the applicant is entitled to exclusive right to the designs shown, regardless of color.
Particular description of goods.—Eggs; Live and Dressed Poultry—Namely, Chickens and Turkeys; and Fresh Citrous and Deciduous Fruits and Bananas.
Claims use since about Apr. 15, 1918.

Ser. No. 223,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE YU-CHU COMPANY, Newark, N. J. Filed Nov. 14, 1925.

"YU-CHU"

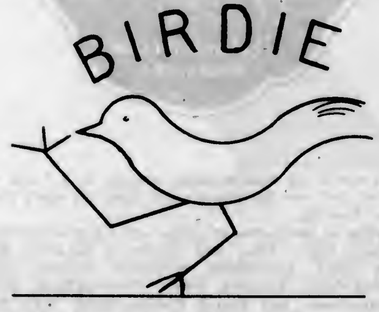
Particular description of goods.—Chewing Gum and Salted and Candy-Coated Peanuts.
Claims use since Sept. 15, 1922.

Ser. No. 223,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Nov. 21, 1925.

MELLOTONES

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Nov. 10, 1925.

Ser. No. 223,773. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS. DONALDSON MANUFACTURING CO., LTD., Glasgow, Scotland. Filed Nov. 24, 1925.



Particular description of goods.—Golf Clubs.
Claims use since Sept. 25, 1925.

Ser. No. 224,128. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AKTIEBOLAGET SVENSK RAKKLINGA, Sandiken, Sweden. Filed Dec. 1, 1925.

SWING

Particular description of goods.—Safety Razors and Safety-Razor Blades.
Claims use since 1923.

Ser. No. 224,136. (CLASS 32. FURNITURE AND UPHOLSTERY.) GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed Dec. 1, 1925.

In the drawing the lining indicates the color red.
Particular description of goods.—Bed Springs.
Claims use since July 1, 1925.

Ser. No. 224,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAMMER & CO., San Francisco, Calif. Filed Dec. 4, 1925.

MARINA

Particular description of goods.—Sardines, Canned Salmon, Salad Oil, Olive Oil, Canned Fruits, Dried Fruits, Fresh Deciduous Fruits, Fresh Citrous Fruits, Grapes, and Melons.
Claims use since 1918.

Ser. No. 224,378. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MEYER SEGAL, Chicago, Ill. Filed Dec. 11, 1925.

CARBODENT

Particular description of goods.—Articulating Fluids for Use in Dental Work in Detecting Points of Contact Between Opposed Surfaces.
Claims use since Oct. 30, 1925.

Ser. No. 224,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. UNRUH, doing business as The Great Central Laboratories, Chicago, Ill. Filed Dec. 12, 1925.

"First Thought"

Particular description of goods.—Medicinal Remedies for Pleurisy, Lumbago, Neuralgia, Sprains, and Bruises.
Claims use since Dec. 7, 1925.

Ser. No. 224,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME ETABLISSEMENTS PASTIVAL, Paris, France. Filed Dec. 16, 1925.

All wording with the exception of the word "Valda" is disclaimed apart from the mark shown.
Particular description of goods.—Throat Pastilles, and Pastilles for Affections of the Throat and Respiratory Passages.
Claims use since Nov. 17, 1903.

Ser. No. 225,081. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTAPHONE CORPORATION, Bridgeport, Conn. Filed Dec. 23, 1925.

CLAROPHONE

"Clarophone."
Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Dec. 1, 1925.

Ser. No. 225,096. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN C. LISLE, Kansas City, Mo. Filed Dec. 23, 1925.

Applicant disclaims right to the words "Lisle" and "Quality" apart from the mark shown in the drawing. The mark consists of a large capital "L," the lower part of which runs entirely under the other letters in said name, the remainder of the letters in said name "Lisle" being all capitals and under all of which appears the word "Quality," the said wording being used upon a seal composed of an elongated circle and scroll in varied colors.
Particular description of goods.—Dry, Paste, and Ready-Mixed Paint, Varnishes, Stains, and Paint Enamels.
Claims use since Apr. 1, 1921.

Ser. No. 225,153. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SAMUEL C. WARSHAW, doing business as Jolies, Albany, N. Y. Filed Dec. 24, 1925.

The words "31 Maiden Lane, Albany, N. Y." and "Objects of Art" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Plated Precious-Metal-Trimmed Cigar, Pipe, and Cigarette Holders; Silver Toilet Ware, Gold-Plated Miniature Statues, Plated Precious-Metal Cardcases, Plated Precious-Metal Bottles or Containers, and Plated Precious-Metal Wall Ornaments.
Claims use since June 1, 1925.

Ser. No. 225,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BERKSHIRE COAL & GRAIN CO., INC., North Adams, Mass. Filed Jan. 8, 1926.

No claim is made to the geographical term "Berkshire" apart from the mark as shown.
Particular description of goods.—Pastry Flour, Graham Meal, and Rye Meal.
Claims use since Oct. 1, 1910.

Ser. No. 225,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN NUGGET SWEETS, San Francisco, Calif. Filed Jan. 9, 1926.

The word "Fudge" is disclaimed apart from the mark as shown. The trade-mark consists of a diagonal band across the face of the printed label, the shading representing the color brown.
Particular description of goods.—Candy.
Claims use since Dec. 1, 1925.

Ser. No. 225,968. (CLASS 15. OILS AND GREASES.) PITTSBURGH GASOLINE COMPANY, Lancaster, York, Columbia, Pa., Wilmington, Del., and Quarryville, Pa. Filed Jan. 15, 1926.

No claim is made to the name "Pittsburgh" except as associated with the mark shown. The lining on the drawing is intended to indicate the color green.
Particular description of goods.—Gasoline, Kerosene, Lubricating Oils and Greases, Fuel Oil.
Claims use since July, 1922.

Ser. No. 226,155. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OAKLEY CHEMICAL CO., New York, N. Y. Filed Jan. 20, 1926.

The trade-mark consists of a white band across a red-colored rectangular field substantially as shown.
Particular description of goods.—General Cleansing and Washing Compound for Personal Use, for Use in the Kitchen and Household Generally, and for Use in the Laundry, Garage, Dairy, and Industrial Plants of All Kinds.
Claims use since Feb. 2, 1909.

Ser. No. 226,164. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) REX PRODUCTS AND MANUFACTURING COMPANY, Detroit, Mich. Filed Jan. 20, 1926.

PAMCO

Particular description of goods.—Platers' Cleaner—Namely, an Alkaline Cleaner for Removing of Oil from Metal Before Plating; Spray Cleaners—Namely, a Cleaner Composed of an Acid and an Oil Solvent for Removing of Oil, Grease, and Rust from Automobile Bodies Before Painting; Railroad Cleaner—Namely, an Alkaline Cleaner for Use in Removing Oil and Dirt from Air-Brake Drums, Locomotive Trucks, and Heavy Cleaning as Used in Railroad Shops; Chemical Cleaner—Namely, an Alkaline Cleaner Used for Removing Enamel from Fenders and for Cleaning Grease from Garage Floors, and for Other Purposes for Which an Especially Heavy Alkaline Cleaner is Needed; Drum Cleaner—Namely, An Alkaline Cleaner Used Principally to Remove Linseed Oil and Clean Linseed Oil Drums and Alcohol Drums.
Claims use since Nov. 10, 1925.

Ser. No. 226,264. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HOUSTON H. UNDERWOOD, doing business as Scotch Lap Company, Conemaugh, Pa. Filed Jan. 22, 1926.

No claim is made to the word "Scotch" apart from the mark shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Nov. 1, 1925.

Ser. No. 226,279. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERMAY PERFUMERS, INC., New York, N. Y. Filed Jan. 23, 1926.

No claim is made to the words "Les Parfums" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Lip Sticks, Eyebrow Pencils, Compacts, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Incenses, Bath Powders, Talcum Powders, and Sachets.
Claims use since Jan. 4, 1926.

Ser. No. 226,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERMAY PERFUMERS, INC., New York, N. Y. Filed Jan. 23, 1926.

The name "Cartier" is disclaimed apart from the mark as shown.
Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Lip Sticks, Eyebrow Pencils, Compacts, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, Incenses, Bath Powders, Talcum Powders, and Sachets.
Claims use since Jan. 4, 1926.

Ser. No. 226,321. (CLASS 32. FURNITURE AND UPHOLSTERY.) ADAM WUEST, Cincinnati, Ohio. Filed Jan. 23, 1926.

Particular description of goods.—Bedding—Namely, Mattresses, Box Springs, and Pillows.
Claims use since Oct. 12, 1923.

Ser. No. 226,330. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BRISTOL-MYERS COMPANY, New York, N. Y. Filed Jan. 25, 1926

Benex

Particular description of goods.—Shaving Cream Which Produces a Lather.
Claims use since Jan. 4, 1926.

Ser. No. 226,424. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE A. FOX, Kansas City, Mo. Filed Jan. 26, 1926.

Particular description of goods.—Nonalcoholic, Maltless Concentrates and Sirups for Mixing Soft Drinks.
Claims use since Apr. 4, 1913.

Ser. No. 226,429. (CLASS 37. PAPER AND STATIONERY.) SAMUEL KANNER, Long Island City, N. Y. Filed Jan. 26, 1926.

PRESTO

Particular description of goods.—Mechanical Lead Pencils and Fountain Pens.
Claims use since about July 1, 1925.

Ser. No. 226,503. (CLASS 15. OILS AND GREASES.) O'NEIL OIL AND PAINT COMPANY, Milwaukee, Wis. Filed Jan. 27, 1926.

NO-NOCK

Particular description of goods.—Gasoline, Naphtha, Lubricating Oils and Greases.
Claims use since Nov. 24, 1925.

Ser. No. 226,520. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE Z. WAIT, doing business as George Z. Wait & Co., Sacramento, Calif. Filed Jan. 27, 1926.

CALIFORNIA SUNSHINE

The geographical name "California" is disclaimed apart from the mark as shown.
Particular description of goods.—Concentrated Fruit Juices for Beverages.
Claims use since July 8, 1925.

Ser. No. 226,534. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT BRUCKNER'S SONS, Jersey City, N. J. Filed Jan. 28, 1926.

"TUBBY-TOT"

Particular description of goods.—Fabric Dolls.
Claims use since Jan. 2, 1926.

Ser. No. 226,535. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT BRUCKNER'S SONS, Jersey City, N. J. Filed Jan. 28, 1926.

"TUBBY"

Particular description of goods.—Fabric Dolls.
Claims use since Jan. 2, 1926.

Ser. No. 226,737. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEORIA MALT FOOD PRODUCTS COMPANY, Peoria, Ill. Filed Feb. 1, 1926.

No claim is made for the subject matter shown in the drawing except for the words "Dutch Master" and the monogram appearing in the drawing.
Particular description of goods.—Malt Sirup and Malt Extracts for Food Purposes.
Claims use since June 1, 1925.

Ser. No. 226,822. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAGDALEN PALUMBO, New York, N. Y. Filed Feb. 3, 1926.

MARVEL-ELECTRA

Particular description of goods.—Electrolytic Cleaning Plate.
Claims use since Middle of December, 1925.

Ser. No. 226,848. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DONALDSON MANUFACTURING CO. LTD., Glasgow, Scotland. Filed Feb. 4, 1926.

"BUNNY"

Particular description of goods.—Golf Clubs, Golf Balls, Golf Tees, and Golf Bags.
Claims use since Oct. 7, 1925.

Ser. No. 227,083. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) OLYMPIC CLUB COMPANY, Walla Walla, Wash. Filed Feb. 9, 1926.

Olympic Club
Extra Dry

The drawing is lined to indicate the color red. The words "Extra Dry" are hereby disclaimed except in combination with the other features of the mark.

Particular description of goods.—Ginger Ale.

Claims use since Sept. 1, 1925.

Ser. No. 227,167. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS. THE DAZZLEM PRODUCTS CO., Chicago, Ill. Filed Feb. 11, 1926.

DAZZLEM

Particular description of goods.—Glass, Nickel, and Brass Polish.

Claims use since Oct. 18, 1925.

Ser. No. 227,210. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WHITE MULE, INC., Carbondale, Ill. Filed Feb. 11, 1926.

WHITE MULE

Particular description of goods.—Dye and Shine Enamel and Engine Enamel.

Claims use since March, 1924.

Ser. No. 227,220. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) CLARINDA MANUFACTURING COMPANY, Clarinda, Iowa. Filed Feb. 12, 1926.

WHIRL VAC

Particular description of goods.—Clothes-Washing Machine.

Claims use since on or about Oct. 23, 1925.

Ser. No. 227,305. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HALE BROS., INC., San Francisco, Calif. Filed Feb. 15, 1926.

over the bridge to fairyland

Particular description of goods.—Toy Animals, Dolls, Puzzles, Mechanical Toys, Mechanical Trains, Wooden Toys, Rubber Toys, Celluloid Toys, Bisque Toys, Metallic Toys, Toy Basket Ware; Wheeled Toys, Sand Toys, Toy Dishes, Toy Stoves, Toy Furniture, Scooters, Skates, and Toy Luggage.

Claims use since Dec. 28, 1925.

Ser. No. 227,334. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) XYZ MFG. CO., Duluth, Minn. Filed Feb. 15, 1926.

XYZ

Particular description of goods.—Cleaning Compounds in Paste Form for General Household Purposes.

Claims use since Jan. 20, 1926.

Ser. No. 227,416. (CLASS 37. PAPER AND STATIONERY.) THE REG. N. BOXER CO. LIMITED, New Toronto, Ontario, Canada. Filed Feb. 17, 1926.

MAXIMUR
WALL PAPERS

Disclaimer is hereby made to the words "Wall Papers" apart from the mark as shown in the drawing.

Particular description of goods.—Wall Papers.

Claims use since July 1, 1925.

Ser. No. 227,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT H. RUCKER, Blackwell, Okla. Filed Feb. 17, 1926.

Wednesday
Wonder
Window
TRADE MARK

Applicant disclaims the words "Trade Mark" apart from the other features of the mark.

Particular description of goods.—White Wheat Flour, White Corn Meal, Sugar, Coffee, Candy, Fresh Fruits, Apples, Pears, Peaches, Blackberries, Raspberries, Loganberries, Dewberries, Cherries, Plums, Grapes; Canned Fruits—Viz, Apples, Pears, Peaches, Apricots, Plums, Cherries, Blackberries; Canned Vegetables—Viz, Tomatoes, Peas, Beans, Spinach, Asparagus, Corn, and Pumpkin; Bread, Cakes, Cookies, Pies, Eggs, and Cheese.

Claims use since Dec. 15, 1905.

Ser. No. 227,481. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) T. S. SIMMS & COMPANY LIMITED, St. John, New Brunswick, Canada. Filed Feb. 18, 1926.

No claim is made to the representation of the goods apart from the mark shown in the drawing. The mark consists of a white band painted near the tip of the brush handle in contrast with the general color of the remaining portions of the handle.

Particular description of goods.—Painters' Brushes.

Claims use since May, 1925.

Ser. No. 227,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SLADE J. K. TAYLOR, Dallas, Tex. Filed Feb. 19, 1926.

TAYLOR'S
S J K T
REMEDIES

The word "Remedies" shown in the drawing is disclaimed.

Particular description of goods.—Acid Solvent Composed of the Active Principles of Phytolacca Decandra, Colchicum Autumnale, Cimicifuga Racemosa, Rhus Toxicodendron, Gelsemium Sempervirens, Sticta Pulmonaria, and Water, Quantity Sufficient That the Finished Product Contains Twelve Per Cent of Alcohol and Also Contains Seven and One-Half Grains of Sodium Salicylate to Each Drachm.

Claims use since Jan. 16, 1926.

Ser. No. 227,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. SMITHSON, Port Deposit, Md. Filed Feb. 23, 1926.

Smithsonian

Particular description of goods.—Packing-House Products—Namely, Ham, Bacon, Lard, and Sausage.

Claims use since Sept. 1, 1921.

Ser. No. 227,708. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Feb. 24, 1926.

MAGIC-CHEF

"Magic Chef."

Particular description of goods.—Gas, Oil, Coal, and Wood Stoves.

Claims use since about Jan. 28, 1926.

Ser. No. 227,869. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ABNER DRURY COMPANY, Washington, D. C. Filed Feb. 27, 1926.

"PRINCE OF ALES"
PALE DRY

The words "Prince of Ales" and "Pale Dry" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since May, 1925.

Ser. No. 227,906. (CLASS 15. OILS AND GREASES.) THE PORTSMOUTH AUTO SUPPLY CO., Portsmouth, Ohio. Filed Feb. 27, 1926.

PASCO

Particular description of goods.—Lubricating Oils and Lubricating Greases.

Claims use since Nov. 1, 1921.

Ser. No. 227,938. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CRYSTAL CHEMICAL COMPANY, INC., Bronx, N. Y. Filed Mar. 1, 1926.

Z.B.T.

Particular description of goods.—Soaps and Soap Shaving Creams.

Claims use since Sept. 1, 1922.

Ser. No. 227,939. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE DETROIT VAPOR STOVE CO., Detroit, Mich. Filed Mar. 1, 1926.

WHITE STAR
EVEN-HEET

No claim is made to the words "Even-Heet" apart from the mark as shown.

Particular description of goods.—Gas Burners.

Claims use since Nov. 1, 1925.

Ser. No. 228,022. (CLASS 39. CLOTHING.) BANK & SILBER, Baltimore, Md. Filed Mar. 3, 1926.

Student Prince

Particular description of goods.—Men's Suits and Overcoats.

Claims use since Jan. 1, 1925.

Ser. No. 228,054. (CLASS 32. FURNITURE AND UPHOLSTERY.) MORTON MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 3, 1926.

ACME BATH ROOM CABINETS

Applicant disclaims the right to the exclusive use of the words "Bath Room Cabinets" except as used in connection with the mark as shown.

Particular description of goods.—Inset Bathroom Cabinets.

Claims use since Feb. 15, 1926.

Ser. No. 228,092. (CLASS 17. TOBACCO PRODUCTS.) DIMITRINO & Co., Cairo, Egypt. Filed Mar. 4, 1926. Under 10-year proviso.

Particular description of goods.—Cigarettes.

Claims use since 1889.

Ser. No. 228,093. (CLASS 17. TOBACCO PRODUCTS.) DIMITRINO & Co., Cairo, Egypt. Filed Mar. 4, 1926. Under 10-year proviso.

Particular description of goods.—Cigarettes.

Claims use since 1889.

Ser. No. 228,305. (CLASS 38. PRINTS AND PUBLICATIONS.) EXPERIMENTER PUBLISHING CO., New York, N. Y. Filed Mar. 8, 1926.

POPULAR MAGIC

Particular description of goods.—Monthly Magazine Issued Quarterly.

Claims use since Jan. 3, 1926.

Ser. No. 228,342. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. WEBER CO., Philadelphia, Pa. Filed Mar. 8, 1926. Under 10-year proviso.

WEBER

The lining shown on the drawing is for shading purposes only.

Particular description of goods.—Pantographs, Planimeters, Slide Rules, and Calculating Instruments; Draftsmen's, Architects', and Engineers' Scales, Triangles, T-Squares, Curves, Straightedges, Parallel Rules, Drawing Boards, Section Liners, Drawing Tables, Drawing Instruments Including Compasses with Fixed Pencil and Needle Point, Compasses with Fixed Needle Point and Detachable Pen and Pencil Parts in Lengthening Bars, Dividers, Hairspring Dividers, Proportional Dividers, Micrometer Proportional Dividers, Steel Spring Bow Dividers, Steel Spring Bow Pencils, Steel Spring Bow Pens, Steel Drop Spring Bow or Rivet Pens, Beam Compasses, Ruling Pens, Dotting Pens, Dotting Instruments, Border Pens, Railroad Pens, Railroad Pencils, Double Border Pens, Adjustable Bow Pens, and Swedish Ruling Pens and Detail Pens, Singly and in Sets.

Claims use since about June, 1887.

Ser. No. 228,382. (CLASS 12. CONSTRUCTION MATERIALS.) KRAUS KASTONE PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 9, 1926.

PRESTONE

Particular description of goods.—Artificial Stone for Construction Purposes, Construction Columns, Blocks, Bricks, and Sections; Artificial-Stone Mantelpieces, and Artificial-Stone Fountains.

Claims use since April, 1925.

Ser. No. 228,426. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HIPP. DIDISHEIM CO., INC., New York, N. Y. Filed Mar. 10, 1926.

LOCUST

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.

Claims use since about Jan. 10, 1905.

Ser. No. 228,475. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE S. LEMUR COMPANY, Cleveland, Ohio. Filed Mar. 11, 1926.

LeMur

Particular description of goods.—Hair-Treating Substances—Namely, Liquid Soap; and in Connection with Human Hair.

Claims use since Dec. 1, 1924.

Ser. No. 228,663. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio. Filed Mar. 15, 1926.

FAIRWAY

Particular description of goods.—Rubber and Rubber-Fabric Hose for Lawns, Gardens, Etc.

Claims use since Aug. 1, 1925.

Ser. No. 228,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHORR-KOLKSCHNEIDER COMPANY, St. Louis, Mo. Filed Mar. 15, 1926.

S-K

Particular description of goods.—Malt Extracts for Food Purposes.
Claims use since about Mar. 11, 1926.

Ser. No. 228,738. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. H. BUHRKE COMPANY, Chicago, Ill. Filed Mar. 17, 1926.

SPEED AWAY

Particular description of goods.—Golf Balls.
Claims use since July 2, 1925.

Ser. No. 228,739. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. H. BUHRKE COMPANY, Chicago, Ill. Filed Mar. 17, 1926.

BURR-KEY B-BILT-E

Particular description of goods.—Golf Clubs, Golf Balls, and Golf Bags.
Claims use since July 2, 1925.

Ser. No. 228,740. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. H. BUHRKE COMPANY, Chicago, Ill. Filed Mar. 17, 1926.

PrincessPat

Particular description of goods.—Golf Clubs.
Claims use since July 2, 1925.

Ser. No. 228,741. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. H. BUHRKE COMPANY, Chicago, Ill. Filed Mar. 17, 1926.

Classic

Particular description of goods.—Golf Bags, Golf Clubs, and Golf Balls.
Claims use since July 2, 1925.

Ser. No. 228,749. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) L. F. GRAMMES & SONS, INC., Allentown, Pa. Filed Mar. 17, 1926.

PRIM

"Prim."
Particular description of goods.—Both Wire and Bone Hairpins.
Claims use since Jan. 2, 1926.

Ser. No. 228,751. (CLASS 39. CLOTHING.) JOHN L. GRAVES, doing business as John L. Graves Company, Mason City, Iowa. Filed Mar. 17, 1926.

Jonell

Particular description of goods.—Men's and Boys' Ready-Tied Bow Ties and Four-in-Hands, Garters, Men's and Boys' Waist Belts, Suspenders, and Hosiery.
Claims use since Feb. 1, 1926.

Ser. No. 228,802. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CAPON SPRINGS COMPANY, Capon Springs, W. Va. Filed Mar. 18, 1926.

Capon

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold As Soft Drinks, Water, and Mineral Water.
Claims use since 1787.

Ser. No. 228,884. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ATLAS BREWING COMPANY, Chicago, Ill. Filed Mar. 20, 1926.

ATLAS

Particular description of goods.—Ginger Ale and Root Beer.
Claims use since Jan. 2, 1921.

Ser. No. 228,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITAN PRESERVE COMPANY, San Francisco, Calif. Filed Mar. 20, 1926.

PURITAN

Particular description of goods.—Mincemeat, Honey, and Peanut Butter.
Claims use since Jan. 15, 1915.

Ser. No. 228,983. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed Mar. 22, 1926.

VERTOLITE

Particular description of goods.—Artificial Gems.
Claims use since Nov. 15, 1925.

Ser. No. 229,091. (CLASS 37. PAPER AND STATIONERY.) DUPLEX ENVELOPE CO. INC., Richmond, Va. Filed Mar. 24, 1926.

HOMIL-OPE

Particular description of goods.—Church Contribution Envelopes.
Claims use since on or about Feb. 1, 1926.

Ser. No. 229,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. W. STRAFFON, Lawrence, Kans. Filed Mar. 24, 1926.

Wantholis

Particular description of goods.—Antiseptic Preparation in Salve and Liquid Form for the Treatment of Inflammation of All Kinds.
Claims use since December, 1900.

Ser. No. 229,177. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODAL WORSTED CO., Sanford, Me. Filed Mar. 25, 1926.

LEEDO

Particular description of goods.—Mohair Piece Goods and Piece Goods of Combinations of Cotton, Wool, Mohair, Alpaca, Camel's Hair, and Silk and Artificial Silk.
Claims use since Mar. 1, 1926.

Ser. No. 229,193. (CLASS 32. FURNITURE AND UPHOLSTERY.) PACIFIC STATES EQUIPMENT COMPANY, Los Angeles, Calif. Filed Mar. 25, 1926.

PONCHO

Particular description of goods.—Mattresses.
Claims use since Apr. 1, 1926.

Ser. No. 229,204. (CLASS 37. PAPER AND STATIONERY.) UNION PENCIL COMPANY INC., New York, N. Y. Filed Mar. 25, 1926.

UNIPECO

Particular description of goods.—Cedar Pencils.
Claims use since May 1, 1914.

Ser. No. 229,205. (CLASS 37. PAPER AND STATIONERY.) UNION PENCIL COMPANY INC., New York, N. Y. Filed Mar. 25, 1926.

BESMO STEEL

Particular description of goods.—Cedar Pencils.
Claims use since Mar. 1, 1919.

Ser. No. 229,228. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GERHARD LANG BREWERY, Buffalo, N. Y. Filed Mar. 26, 1926.

HYAN DRY

No claim is made to the exclusive right for the word "Dry" except as used in connection with the mark.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Mar. 23, 1926.

Ser. No. 229,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY BUCK LATTING, Chicago, Ill. Filed Mar. 27, 1926.

HOLY HAIR GROWER

No claim is made to the words "Hair Grower" apart from the mark as shown in the drawing.

Particular description of goods.—Hair Grower or Tonic.

Claims use since Jan. 27, 1926.

Ser. No. 229,318. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARMOUR AND COMPANY, Chicago, Ill. Filed Mar. 29, 1926.

Doña

Particular description of goods.—Soap.

Claims use since Jan. 1, 1926.

Ser. No. 229,328. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GOLDEN RULE, INC., Columbus, Ohio. Filed Mar. 29, 1926.

TRADE MARK
GOLDEN RULE
THE
INC.

No claim is made for the words "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Nutcrackers, Potato Mashers, and Lard and Butter Spades.

Claims use since Feb. 18, 1926.

Ser. No. 229,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HEMPY-COOPER MANUFACTURING CO., Kansas City, Mo. Filed Mar. 29, 1926.

OKON-RODO

Exclusive right to the pictorial representation of the goods is disclaimed apart from the particular arrangement and association in which it appears with the rest of the mark as presented in the drawing.

Particular description of goods.—Babbitting Jigs and Boring Machines.

Claims use since Dec. 15, 1925.

Ser. No. 229,357. (CLASS 10. FERTILIZERS.) THE STANDARD GYPSUM COMPANY, San Francisco, Calif. Filed Mar. 29, 1926.

STANDARD

BUMPER HARVEST

Exclusive use of the word "Standard" is disclaimed apart from the mark shown by the drawing.

Particular description of goods.—Agricultural Gypsum.

Claims use since Sept. 1, 1925.

Ser. No. 229,385. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HANLON & GOODMAN CO., New York, N. Y., and Belleville, N. J. Filed Mar. 30, 1926.

SPEE-DEE

Particular description of goods.—Brushes—Namely, Paint, Varnish, and Calcimine Brushes.

Claims use since about Feb. 15, 1926.

Ser. No. 229,423. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis. Filed Mar. 30, 1926.

Red Star

Particular description of goods.—Ginger Ale.

Claims use since Jan. 9, 1924.

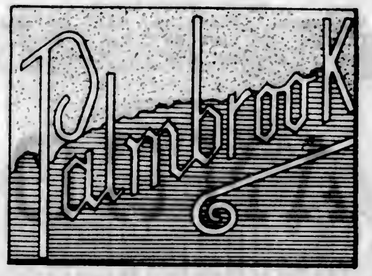
Ser. No. 229,427. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AVALON PAINT CORPORATION, Los Angeles, Calif. Filed Mar. 31, 1926.

AVALON

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Dry Colors, Colors in Oil; Paste Colors, Paint Enamels, Prepared Shellac, Varnishes; Paint Oils—Namely, Linseed Oil; Paint-Thinning Solvents—Namely, Turpentine; Bronzing Liquid, and Putty.

Claims use since Feb. 20, 1905.

Ser. No. 229,435. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CROMER & KASSEL, Miami, Fla. Filed Mar. 31, 1926.



The drawing is lined for shading.

Particular description of goods.—Golf Sticks, Tennis Rackets, Tennis Nets, Tennis Balls, and Golf Balls.

Claims use since Jan. 15, 1926.

Ser. No. 229,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN WEST SHIPPERS INC., Oxnard, Calif. Filed Mar. 31, 1926.

PREME

SUE

Particular description of goods.—Fresh Vegetables—Namely, Fresh Tomatoes, Fresh Lettuce; Melons—Namely, Fresh Cantaloupes.

Claims use since June, 1925.

Ser. No. 229,480. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN M. VALLEY, Chicago, Ill. Filed Mar. 31, 1926.

VALET

Particular description of goods.—Furniture and Automobile Polish.

Claims use since Mar. 1, 1925.

Ser. No. 229,488. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ARTCHOPTERS INC., Portland, Me. Filed Apr. 1, 1926.

No claim is made to the word "Colors." The trademark comprises the word "Clothart," which is printed on a banner design of contrasting color, the whole having a background of a third contrasting color and representing in form a painter's palette, the latter being lined to represent some color such as red, black, blue, etc., each individual container marketed having a label with the palette printed of a color corresponding to the color of the pigment within the container, all labels being identical except for this one particular.

Particular description of goods.—Precipitated Pigments of Various Colors.

Claims use since Mar. 1, 1926.

Ser. No. 229,571. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KEYSTONE MFG. CO., Boston, Mass. Filed Apr. 2, 1926.

KEYSTONE

"Keystone."

Particular description of goods.—Vehicular Toys—Namely, Moving Vans, Dump Trucks, Sprinkler-Tank Trucks, Delivery Trucks, Steam Shovels, Fire Trucks, United States Mail Trucks, American Railway Express Trucks, Police Patrols, Water-Pump Towers, Chemical Pump Engines, and Coaster Trucks.

Claims use since Mar. 1, 1925.

Ser. No. 229,619. (CLASS 45. BEVERAGES, NONALCOHOLIC.) P. G. DORY, doing business as Watertown Carbonating Co., Watertown, S. Dak. Filed Apr. 3, 1926.

GOLDEN PHEASANT

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.

Claims use since May 11, 1925.

Ser. No. 229,767. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FREDERICK C. WILCOX, Keene, N. H. Filed Apr. 6, 1926.

"GO-TEE"

No rights are claimed for the word "Tee" apart from the mark shown in the drawing.

Particular description of goods.—Golf Tees.

Claims use since Mar. 10, 1926.

Ser. No. 229,768. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ALEXANDRE WILLK, Paris, France. Filed Apr. 6, 1926.

PLI

Particular description of goods.—Powder Puffs.

Claims use since Nov. 20, 1925.

Ser. No. 229,778. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CENTRAL POCAHONTAS COAL COMPANY, Welch, W. Va. Filed Apr. 7, 1926.

CRYSTAL BLOCK COAL

Exclusive use of the words "Block" and "Coal" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since Apr. 1, 1919.

Ser. No. 229,812. (CLASS 37. PAPER AND STATIONERY.) THE NEW YORK-NEW ENGLAND COMPANY, Holyoke, Mass. Filed Apr. 7, 1926.

Daybreak

Particular description of goods.—Writing and Printing Papers and Ledger, Record, Vellum, Envelope Text, Book, Coated, and Cover Papers.

Claims use since Jan. 1, 1922.

Ser. No. 229,835. (CLASS 12. CONSTRUCTION MATERIALS.) UNIVERSAL GYPSUM COMPANY, Chicago, Ill. Filed Apr. 7, 1926.

INSULEX GYPSUM INSULATION

No claim is made to the exclusive use of the words "Gypsum" and "Gypsum Insulation" apart from the mark shown in the drawing.

Particular description of goods.—Composition Material in Powdered Form for Construction and Insulating Purposes.

Claims use since on or about May 18, 1925.

Ser. No. 229,836. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GEO. L. VOGEL, doing business as American Malt Co., Woodhaven, N. Y. Filed Apr. 7, 1926.

ANCO

Particular description of goods.—Malt Extracts.

Claims use since Apr. 1, 1925.

Ser. No. 229,843. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) B. B. B. PIPE CO. INC., New York, N. Y. Filed Apr. 8, 1926.

B BB

Particular description of goods.—Tobacco Pipes, Cigar and Cigarette Tubes and Holders.

Claims use since January, 1870.

Ser. No. 229,902. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CENTRAL POCAHONTAS COAL COMPANY, Welch, W. Va. Filed Apr. 9, 1926.

CENTRAL POCAHONTAS NO. 3 SEAM COAL

The exclusive use of the words "Pocahontas No. 3 Seam Coal" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since Apr. 1, 1919.

Ser. No. 229,940. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Apr. 9, 1926.

HARDWOOD TEC-LUMP CHARCOAL

No claim is made to the words "Hardwood Charcoal" nor to the word "Lump" except as it is used with other features of the mark. No claim is made to the color red as an essential feature of the trade-mark where it is indicated by lining on the drawing.

Particular description of goods.—Charcoal.

Claims use since Mar. 4, 1926.

Ser. No. 229,995. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) EMIL WEISSBROD & SONS, INC., Greenfield, Mass. Filed Apr. 10, 1926.

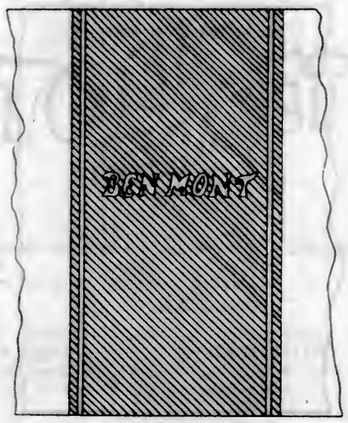
Weissbrod Key Kit

The abbreviation and words "Pat. Applied for" and the words "Weissbrod" and "Key Kit" apart from the mark shown are disclaimed.

Particular description of goods.—Key Cases.

Claims use since on or about Dec. 9, 1925.

Ser. No. 230,006. (CLASS 37. PAPER AND STATIONERY.) BENNINGTON WAX PAPER COMPANY, Bennington, Vt. Filed Apr. 12, 1926.

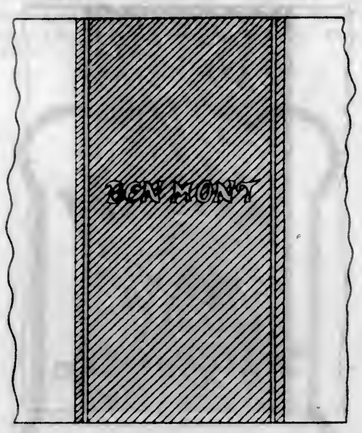


The mark consists of the words "Ben Mont" on a wide green band having parallel thereto on each side a narrow green band.

Particular description of goods.—Wax Paper, Wax Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper, and Shelf Paper.

Claims use since Mar. 1, 1926.

Ser. No. 230,007. (CLASS 37. PAPER AND STATIONERY.) BENNINGTON WAX PAPER COMPANY, Bennington, Vt. Filed Apr. 12, 1926.

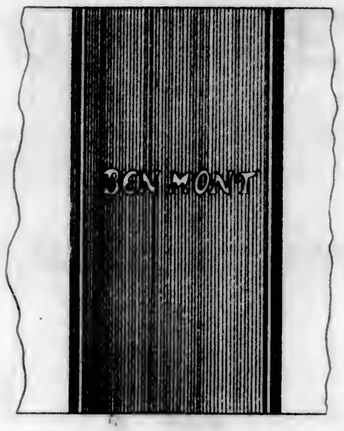


The mark consists of the words "Ben Mont" on a wide brown band having parallel thereto on each side a narrow brown band.

Particular description of goods.—Wax Paper, Wax Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper, and Shelf Paper.

Claims use since Mar. 1, 1926.

Ser. No. 230,008. (CLASS 37. PAPER AND STATIONERY.) BENNINGTON WAX PAPER COMPANY, Bennington, Vt. Filed Apr. 12, 1926.

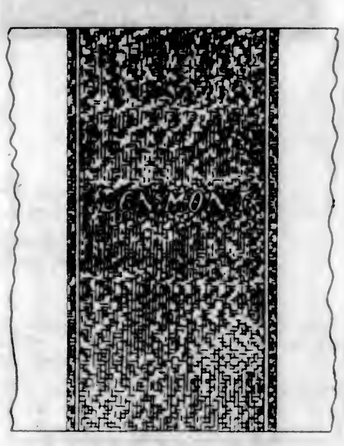


The trade-mark consists of the words "Ben Mont" on a wide red band having parallel thereto a narrow red band.

Particular description of goods.—Wax Paper, Wax Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper, and Shelf Paper.

Claims use since Mar. 1, 1926.

Ser. No. 230,009. (CLASS 37. PAPER AND STATIONERY.) BENNINGTON WAX PAPER COMPANY, Bennington, Vt. Filed Apr. 12, 1926.



The mark consists of the words "Ben Mont" on a wide yellow band having parallel thereto on each side a narrow yellow band.

Particular description of goods.—Wax Paper, Wax Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper, and Shelf Paper.

Claims use since Mar. 1, 1926.

Ser. No. 230,020. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) D. & E. METALS CO., Grandview Park and York, Pa. Filed Apr. 12, 1926.

"DEMCO"

Particular description of goods.—Bushings Made of Brass, Bronze, Aluminum, or Other Metals.

Claims use since Aug. 31, 1925.

Ser. No. 230,062. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DR. HEINR. TRAUN & SÖHNE, VORMALS HARBURGER GUMMI-KAMM-COMPAGNIE, Hamburg, Germany. Filed Apr. 12, 1926.

FAVORITE

Particular description of goods.—Combs Except Combs Made of Precious Metal.

Claims use since about 1900.

Ser. No. 230,064. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TRUSCON STEEL COMPANY, doing business as The Truscon Laboratories, Detroit, Mich. Filed Apr. 12, 1926.

TYLAC

Particular description of goods.—Pyroxylin and Lacquers.

Claims use since about Jan. 1, 1926.

Ser. No. 230,065. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. WEBER CO., INC., Philadelphia, Pa. Filed Apr. 12, 1926.

DURALBA

Particular description of goods.—Artists', Students' and Show-Card Colors in All Mediums in Tubes, Pans, Bottles, Jars, Cans, Cakes, Sticks, and Boxes.

Claims use since about March, 1926.

Ser. No. 230,134. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DR. HEINR. TRAUN & SÖHNE, VORMALS HARBURGER GUMMI-KAMM-COMPAGNIE, Hamburg, Germany. Filed Apr. 13, 1926.

Cristobal Colon

Particular description of goods.—Combs Except Combs Made of Precious Metal.

Claims use since about 1897.

Ser. No. 230,203. (CLASS 12. CONSTRUCTION MATERIALS.) G. W. WHITBREAD, Brooklyn, N. Y. Filed Apr. 14, 1926.

Applicant hereby disclaims all wording on the drawing except the trade-mark word "Brolumco" apart from the mark as shown.

Particular description of goods.—Lumber and Other Building Materials—Namely, Asphalt Shingles, Asphalt Roofing, Wooden Shingles, and Wood-Pulp Boards.

Claims use since Nov. 1, 1925.

Ser. No. 230,221. (CLASS 12. CONSTRUCTION MATERIALS.) KARL PAULI BILLNER, London, England. Filed Apr. 15, 1926.

AEROCRETE

Particular description of goods.—Cement for Building and Decorating.

Claims use since Oct. 12, 1925.

Ser. No. 230,231. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DOWNARD MINING AND SALES COMPANY, INCORPORATED, Louisville, Ky. Filed Apr. 15, 1926.

Particular description of goods.—Coal.

Claims use since April, 1923.

Ser. No. 230,241. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Apr. 15, 1926.

ICE-BERG

Particular description of goods.—Preparation in Powder Form for Use in Making Frozen Desserts.

Claims use since 1908.

Ser. No. 230,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MELVIN CANDY COMPANY, INC., Chicago, Ill. Filed Apr. 15, 1926.

TOOT SWEET

Particular description of goods.—Candy Lollipops and Suckers.

Claims use since about Jan. 1, 1922.

Ser. No. 230,262. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion and New York, N. Y. Filed Apr. 15, 1926.

ARROW EXPRESS

No claim is made to the word "Express" apart from the distinctive features of the mark as illustrated.

Particular description of goods.—Ammunition.

Claims use since Feb. 26, 1926.

Ser. No. 230,311. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Apr. 16, 1926.

HA-HA
The Laffing Uke

Particular description of goods.—Ukuleles.

Claims use since Feb. 23, 1926.

Ser. No. 230,319. (CLASS 39. CLOTHING.) E. E. TAYLOR COMPANY, Boston, Mass. Filed Apr. 16, 1926.

BROCKTON BENCH MADE

Applicant disclaims the right to the exclusive use of the words "Brockton" and "Bench Made" apart from the mark as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, or Textile Material.

Claims use since July 9, 1919.

Ser. No. 230,320. (CLASS 39. CLOTHING.) E. E. TAYLOR COMPANY, Boston, Mass. Filed Apr. 16, 1926.

The Taylor Made Shoe

Applicant disclaims the right to the exclusive use of the words "Shoe" and "Made" apart from the mark as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, or Textile Material.

Claims use since July 9, 1919.

Ser. No. 230,385. (CLASS 17. TOBACCO PRODUCTS.) CORTEZ CIGAR COMPANY, Savannah, Ga. Filed Apr. 19, 1926.

The name and portrait is that of "Hernan Cortez, famous Spanish soldier 1485–1547."

Particular description of goods.—Cigars.

Claims use since Apr. 12, 1887.

Ser. No. 230,395. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CHARLES F. HEALY, New York, N. Y. Filed Apr. 19, 1926.

Dento Floss Brush

No claim is made to the word "Brush" except in connection with the mark as shown.

Particular description of goods.—Toothbrushes.

Claims use since Jan. 5, 1926.

Ser. No. 230,411. (CLASS 15. OILS AND GREASES.) PANHANDLE REFINING COMPANY, Wichita Falls, Tex. Filed Apr. 19, 1926.

PANOCLEAN

Particular description of goods.—Petroleum Products—Namely, a Naphtha to be Used by Cleaners and Dyers.

Claims use since Feb. 15, 1926.

Ser. No. 230,448. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREED-EISEMANN RADIO CORPORATION, Brooklyn, N. Y. Filed Apr. 20, 1926.

SUPERPHONIC

Particular description of goods.—Radio Loud Speakers.

Claims use since Apr. 15, 1926.

Ser. No. 230,463. (CLASS 37. PAPER AND STATIONERY.) L. E. WATERMAN COMPANY, New York, N. Y. Filed Apr. 20, 1926.

Ripple

Particular description of goods.—Fountain Pens.

Claims use since Mar. 20, 1926.

Ser. No. 230,544. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ANNA E. HARRIS, doing business as A. E. Harris, San Francisco, Calif. Filed Apr. 22, 1926.

EASY-WAY

Particular description of goods.—Nonalcoholic Beverages—Namely, Sirup of Malt and Hops.

Claims use since Jan. 2, 1924.

Ser. No. 230,576. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SAMELS & COMPANY, Minneapolis, Minn. Filed Apr. 22, 1926.

REDI HEET

Particular description of goods.—Oil Burners.

Claims use since Sept. 1, 1925.

Ser. No. 230,578. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

SANTAELLAS

The name "Santaellas" is the plural of the surname of the president of the applicant corporation and is used in association with his portrait.

Particular description of goods.—Cigars.

Claims use since Jan. 1, 1906.

Ser. No. 230,582. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

CERVERA

The name "Cervera" is that of the Spanish Vice Admiral born 1833, died 1909, and is used in association with his portrait.

Particular description of goods.—Cigars.

Claims use since June 1, 1901.

Ser. No. 230,584. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

RAVISLOE CLUB

Particular description of goods.—Cigars.

Claims use since 1902.

Ser. No. 230,585. (CLASS 17. TOBACCO PRODUCTS.) A. SANTAELLA & CO., INC., Tampa, Fla., and New York, N. Y. Filed Apr. 22, 1926.

FLORIDA GIRL

Particular description of goods.—Cigars.

Claims use since June, 1901.

Ser. No. 230,609. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANNIN & CO., New York, N. Y. Filed Apr. 23, 1926.

ARTGLO

"Artglo."

Particular description of goods.—Artificial Silk in the Piece.

Claims use since December, 1923.

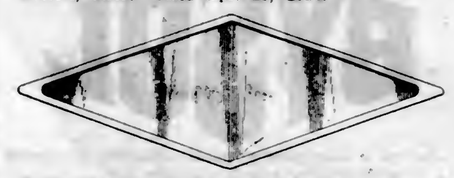
Ser. No. 230,619. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Apr. 23, 1926.

AMERICAN HOME

Particular description of goods.—Sheets, Pillowcases, Bedspreads, and Woven and Knitted Fabrics in the Piece of Cotton, Silk, or Wool and Combinations Thereof.

Claims use since Jan. 1, 1906.

Ser. No. 230,621. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FRUEHAUF TRAILER CO., Detroit, Mich. Filed Apr. 23, 1926.



Particular description of goods.—Trailers.

Claims use since May 1, 1916.

Ser. No. 230,626. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HAINES LEATHER GOODS COMPANY, Philadelphia, Pa. Filed Apr. 23, 1926.

H L 1875 G C

Particular description of goods.—Pocketbooks and Hand Bags.

Claims use since 1912.

Ser. No. 230,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER H. HUTH, doing business as Walbert Manufacturing Co., Chicago, Ill. Filed Apr. 23, 1926.

ISOFARAD

Particular description of goods.—Radio Receiving Apparatus and Adjuncts or Portions Thereof and Unassembled Receiving Sets or Kits and Radiofrequency Amplifying Units; Boosters, and Selective Tuners for Use in Conjunction With Assembled Receiving Sets.
Claims use since May, 1925.

Ser. No. 230,652. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DAVE S. BAUER CHEMICAL COMPANY, INC., Mobile, Ala. Filed Apr. 24, 1926.

SWEET POPPER

Particular description of goods.—Chewing Gum.
Claims use since Dec. 8, 1925.

Ser. No. 230,657. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. GERARD BISSINGER, doing business as The Bysol Manufacturing Company, Philadelphia, Pa. Filed Apr. 24, 1926.

BYSOL

Particular description of goods.—Washing Compounds for Scouring Textiles and for Laundry Use.
Claims use since Jan. 19, 1926.

Ser. No. 230,710. (CLASS 12. CONSTRUCTION MATERIALS.) BASTIAN-MORLEY CO., La Porte, Ind. Filed Apr. 26, 1926.

HEAT SEAL

Particular description of goods.—Asbestos Felt Jackets for Water Heaters and Boilers.
Claims use since Sept. 21, 1925.

Ser. No. 230,712. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BING WERKE VORM. GEBRÜDER BING A. G., Nuremberg, Germany. Filed Apr. 26, 1926.

Bingophone

Particular description of goods.—Phonographs and Talking Machines.
Claims use since February, 1925.

Ser. No. 230,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Apr. 26, 1926.

No claim is made to the words "Curing Salt" except as associated with the rest of the mark.
Particular description of goods.—Salt.
Claims use since Oct. 16, 1925.

Ser. No. 230,738. (CLASS 37. PAPER AND STATIONERY.) HENRY CONOLLY COMPANY, Rochester, N. Y. Filed Apr. 26, 1926.

VISBLEX

The letters of the trade-mark word are lined as they are in actual use and not to indicate color.
Particular description of goods.—Loose-Leaf Binders and Leaves Thereto.
Claims use since Dec. 1, 1922.

Ser. No. 230,740. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS CLAY PRODUCTS CO., Joliet, Ill. Filed Apr. 26, 1926.

FIROX

Particular description of goods.—Refractory Mixtures such as Cement and Furnace Lining.
Claims use since Mar. 5, 1926.

Ser. No. 230,741. (CLASS 39. CLOTHING.) HARRY L. JONES INCORPORATED, Syracuse, N. Y. Filed Apr. 26, 1926.

No claim is made to the exclusive use of the word "Shoe" or to the pictorial representation of the shoe sole apart from the composite mark shown in the drawings.
Particular description of goods.—Women's and Girls' Shoes of Leather.
Claims use since August, 1924.

Ser. No. 230,764. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Apr. 26, 1926.

MYBUDDY

Particular description of goods.—Portable Phonographs.
Claims use since Jan. 14, 1926.

Ser. No. 230,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL FOOD CO., Berkeley, Calif. Filed Apr. 26, 1926.

The phrase on the drawing "Melts at 76°" is disclaimed apart from the other features of the mark.
Particular description of goods.—Refined Nut Fat.
Claims use since Mar. 15, 1926.

Ser. No. 230,809. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I. Filed Apr. 27, 1926.

DURAX

Particular description of goods.—Nonmetallic Sheathed Cables for Electric Circuits.
Claims use since on or about Mar. 11, 1926.

Ser. No. 230,842. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Apr. 28, 1926.

SKIP FLEA

Particular description of goods.—Dog Soap.
Claims use since June, 1919.

Ser. No. 230,895. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE PARATEX CORPORATION, Paterson, N. J. Filed Apr. 29, 1926.

PARATEX

Particular description of goods.—Floor Coverings Composed of Textile Fabric and Rubber.
Claims use since Dec. 5, 1925.

Ser. No. 230,959. (CLASS 37. PAPER AND STATIONERY.) S. E. & M. VERNON INC., New York, N. Y. Filed Apr. 30, 1926.

ROYAL

Particular description of goods.—Blank Books Comprising Account Books, Memorandum Books, Composition Books, Notebooks, Loose-Leaf Binders, and Exercise Books.
Claims use since 1900.

Ser. No. 230,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN AVATOR COMPANY, INC., New York, N. Y. Filed May 1, 1926.

-SANGUIODIN-

Particular description of goods.—Iodine Derivatives for Use as a Germicide and Antiseptic and as a Noncoagulative, Nontoxic, and Nonescharotic Alterative.
Claims use since Nov. 1, 1924.

Ser. No. 230,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH GROSSMAN, doing business as Kasdum Company, Steubenville, Ohio. Filed May 1, 1926.

Particular description of goods.—Evaporated Milk, Coffees, Jellies, Jams, and Canned Fruits and Vegetables.
Claims use since Jan. 10, 1926.

Ser. No. 231,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS). JOSEPHINE E. SEFFEL, doing business as Golden Kettle Syrup Co., San Antonio, Tex. Filed May 1, 1926.

Particular description of goods.—Table Sirup.
Claims use since Dec. 21, 1921.

Ser. No. 231,028. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BARCELONA PRODUCTS CO. INC., New York, N. Y. Filed May 3, 1926.

Olive Blossom

No claim is made to the exclusive use of the word "Olive" apart from the mark shown.
Particular description of goods.—Soap.
Claims use since Apr. 1, 1926.

Ser. No. 231,053. (CLASS 39. CLOTHING.) LISH BROS., New York, N. Y. Filed May 3, 1926.

Applicant disclaims the right to the exclusive use of the phrase "Ventilated Felt Hat" except in the particular arrangement and association in which it appears with the rest of the mark as presented.
Particular description of goods.—Ladies' Hats.
Claims use since about Mar. 1, 1926.

Ser. No. 231,089. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as H. Berger & Co., New York, N. Y. Filed May 4, 1926.

LaChadka

"La Chadka."
Particular description of goods.—Fur Coats for Men, Women, and Children.
Claims use since Apr. 1, 1926.

Ser. No. 231,090. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as H. Berger & Co., New York, N. Y. Filed May 4, 1926.

Korova

Particular description of goods.—Fur Coats for Men, Women, and Children.
Claims use since Mar. 1, 1925.

Ser. No. 231,091. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as H. Berger & Co., New York, N. Y. Filed May 4, 1926.

Karamoire

Particular description of goods.—Fur Coats for Men, Women, and Children.
Claims use since Apr. 1, 1926.

Ser. No. 231,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed May 4, 1926.

The bar above the word "Ciro" is red, white, and blue, and no claim of exclusive right to the use of the word "Chocolates" is made apart from the mark as shown in the drawing.
Particular description of goods.—Candies and Chocolates.
Claims use since Mar. 1, 1926.

Ser. No. 231,123. (CLASS 15. OILS AND GREASES.) THE QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa. Filed May 4, 1926.

F. F.
NEEDLE LUBRICANT

The words "Needle Lubricant" are disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Special Lubricant for Cleaning and Polishing Needles Such as are Used on Knitting Machinery of Various Kinds.
Claims use since Oct. 3, 1925.

Ser. No. 231,134. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN PAPER MANUFACTURING CO., INC., New Orleans, La. Filed May 5, 1926.

Particular description of goods.—Toilet Paper.
Claims use since Apr. 1, 1925.

Ser. No. 231,148. (CLASS 38. GLASSWARE.) GILLINDER BROS., INC., Port Jervis, N. Y. Filed May 5, 1926.

No claim is made to the words "Glareless" and "Units" apart from the mark shown.
Particular description of goods.—Glassware, Bowls, Shades, Globes, Stands, Supports, and Ornaments, all for Lighting Fixtures.
Claims use since Apr. 15, 1926.

Ser. No. 231,150. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) THE ANDREW JERGENS COMPANY, Hamilton, Ohio. Filed May 5, 1926.

LAYTRIX

Particular description of goods.—Soap.
Claims use since Apr. 20, 1926.

Ser. No. 231,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMBRA CHEMICAL COMPANY, Minneapolis, Minn. Filed May 6, 1926.

Glo-Foam

Particular description of goods.—Skin Lotion, Hair Dress, and Shampoo.
Claims use since Apr. 10, 1926.

Ser. No. 231,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY DRINKWATER, Bridesburg, Philadelphia, Pa. Filed May 6, 1926.

No claim is made to the words "Hair Tonic" and "Drinkwater's" apart from the mark shown in the drawing.
Particular description of goods.—Hair Tonic.
Claims use on or about Apr. 19, 1926.

Ser. No. 231,226. (CLASS 38. PRINTS AND PUBLICATIONS.) CHAS. M. WINCHESTER Jr., Albany, N. Y. Filed May 6, 1926.

The
Radio Weekly Time-Table
The Official Broadcast
Program Guide

Particular description of goods.—Weekly Magazine.
Claims use since Apr. 10, 1926.

Ser. No. 231,240. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ERICH BUTZKE, New York, N. Y. Filed May 7, 1926.

"NORDPOL"

"Nordpol."
Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 1, 1926.

Ser. No. 231,290. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBBTER COMPANY, Memphis, Tenn. Filed May 7, 1926.

LA PARO

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Lip Sticks, Eyebrow Pencils, Bath Salts, Smelling Salts, Sachets, Shaving Creams, Brilliantine, and Incense.
Claims use since Mar. 1, 1926.

Ser. No. 231,305. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Minneapolis, Minn. Filed May 8, 1926.

CHASS-EZE

Particular description of goods.—Lubricating Oils and Lubricating Greases.
Claims use since Jan. 15, 1926.

Ser. No. 231,316. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) D. R. FRANKLIN CO. INC., Brooklyn, N. Y. Filed May 8, 1926.

VENUS

Particular description of goods.—Shoe Polish.
Claims use since Apr. 29, 1926.

Ser. No. 231,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. E. LANIER, Cuthbert, Ga. Filed May 8, 1926.

Cubaga

Particular description of goods.—Table Sirup.
Claims use since Apr. 15, 1926.

Ser. No. 231,355. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN S. WESTON, doing business as W-W Products Co., St. Bernard, Ohio. Filed May 8, 1926.

Mooreshine

Particular description of goods.—Cleaning and Polishing Preparation in Liquid Form for Use on Brass, Copper, Nickel, and Aluminum.
Claims use since Apr. 1, 1926.

Ser. No. 231,359. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed May 10, 1926.

WONDER WEAR

Particular description of goods.—Laundry Nets.
Claims use since Apr. 24, 1921.

Ser. No. 231,385. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed May 10, 1926.

Slenda-Line

Particular description of goods.—Coats, Suits, Dresses, and Lingerie for Women.
Claims use since Feb. 19, 1926.

Ser. No. 231,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio, assignor to Rex Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed May 12, 1926.

MoTH-TOX

Particular description of goods.—Insecticide.
Claims use since Apr. 16, 1926.

Ser. No. 231,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TOLEDO REX SPRAY COMPANY, Toledo, Ohio, assignor to Rex Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed May 12, 1926.

MoTH-TOX

Particular description of goods.—Insecticide.
Claims use since Apr. 16, 1926.

Ser. No. 231,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRUFOOD LIMITED, London and Wrenbury, near Nantwich, Cheshire, England. Filed May 12, 1926.

TRUFOOD

Particular description of goods.—Milk Powder for Food.
Claims use since Mar. 20, 1922.

Ser. No. 231,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAUMGART AND MORGAN, Brenham, Tex. Filed May 13, 1926.

BANKERS

Particular description of goods.—Barbecue Sauce.
Claims use since Mar. 9, 1926.

Ser. No. 231,535. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FABYAN & CO., INC., New York, N. Y. Filed May 13, 1926.

FABCOHOL

Particular description of goods.—Rubbing Alcohol.
Claims use since Apr. 1, 1926.

Ser. No. 231,536. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) EUGENE L. FONDEVILLE, doing business as A. J. Fondeville & Co., New York, N. Y. Filed May 13, 1926.

"HOMESTEAD"
WARE

No claim is made to the word "Ware" apart from the mark as shown.
Particular description of goods.—Porcelain Ware.
Claims use since January, 1926.

Ser. No. 231,556. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILK-O-FEN LABORATORIES, Union City, N. J. Filed May 13, 1926.

MILK-O-FEN

Particular description of goods.—Liquid Preparation for Mouth Wash and for Eliminating and Preventing Constipation and Indigestion.
Claims use since July, 1922.

Ser. No. 231,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WAYNESBORO PHARMACAL COMPANY, Waynesboro, Ga. Filed May 13, 1926.

MOJAZ

Particular description of goods.—Medicinal Preparation to be Used as a Tonic for Lack of Reproductive Power, Lack of Virility, Physical Impotence, and Barrenness.
Claims use since Feb. 1, 1926.

Ser. No. 231,582. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BURNOMORE UTENSIL CORPORATION, New York, N. Y. Filed May 14, 1926.

BUF

Particular description of goods.—Scouring and Cleansing Materials and Compounds.
Claims use since May 5, 1926.

Ser. No. 231,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRACE C. COWHER, doing business as The Covenant Products Company, Tyrone, Pa. Filed May 14, 1926.

COVENANT

Particular description of goods.—Medicinal Oil for External Use for the Treatment of Rheumatism, Influenza, Lung Trouble, Bronchitis, Pneumonia, Asthma, Open and Running Sores, and Skin Diseases.
Claims use since July 1, 1925.

Ser. No. 231,603. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARTUNG BROTHERS, New York, N. Y. Filed May 14, 1926.

HARTBRO H.B.

Particular description of goods.—Soap Powder.
Claims use since Feb. 1, 1921.

Ser. No. 231,662. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMIL EBELING, Terry, Mont. Filed May 15, 1926.

NATURE

Particular description of goods.—Razor Hones.
Claims use since Apr. 14, 1926.

Ser. No. 231,685. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MILLERS SOAP COMPANY, Reading, Pa. Filed May 15, 1926.

MI-S-CO.

Particular description of goods.—Soaps.
Claims use since April, 1924.

Ser. No. 231,711. (CLASS 39. CLOTHING.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed May 15, 1926.

The trade-mark consists of a marker in the form of a metal disk of gold color. On one side of the disk appears a crossed arrow quiver and tomahawk, together with the abbreviations "W. Mfg. Co.", the whole inclosed within a circle. Around the disk outside of the circle are the words "Worumbo Gold Coin de Luxe Fabrics." On the other side of the disk appears the crossed arrow quiver and tomahawk and the word "Worumbo", the whole inclosed in a circle. Around the circle appear the words "Highest Quality All Wool Fabrics." The words "Highest Quality All Wool Fabrics" and "de Luxe Fabrics" are disclaimed apart from the other features of the mark and except as used in the mark for the purpose of trade-mark registration.

Particular description of goods—Coats and Suits for Men, Women, and Children.
Claims use since Apr. 2, 1926.

Ser. No. 231,712. (CLASS 39. CLOTHING.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed May 15, 1926.

The words "Highest Quality All Wool Fabrics" are disclaimed apart from the other features of the trade-mark and except as used in the mark for the purpose of trade-mark registration.

Particular description of goods.—Coats and Suits for Men, Women, and Children.
Claims use since Apr. 2, 1926.

Ser. No. 231,758. (CLASS 39. CLOTHING.) THE SIMONS & STRUVE HOSIERY COMPANY, Philadelphia, Pa. Filed May 17, 1926.

NURSERY RHYME

Particular description of goods.—Children's Stockings.
Claims use since May 10, 1926.

Ser. No. 231,859. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GRIGGS, COOPER & COMPANY, St. Paul, Minn. Filed May 19, 1926.

Home

Particular description of goods.—Toothpicks.
Claims use since 1877.

Ser. No. 231,884. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE TOR-TIS COMPANY, Detroit, Mich. Filed May 19, 1926.

TOR-TIS

Particular description of goods.—Liquid Shoe Cleaner and Polish.
Claims use since Dec. 12, 1925.

Ser. No. 231,899. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWN CRACKER & CANDY CO., Dallas, Tex. Filed May 20, 1926.

LETS GO!

Particular description of goods.—Candy Bars.
Claims use since Dec. 9, 1921.

Ser. No. 231,913. (CLASS 39. CLOTHING.) FISHER & SANG, Buffalo, N. Y. Filed May 20, 1926.

Footcraft

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Dec. 1, 1925.

Ser. No. 231,914. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FITTS-SMITH DRY GOODS COMPANY, Kansas City, Mo. Filed May 20, 1926.

WARRIOR

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 1, 1926.

Ser. No. 231,917. (CLASS 39. CLOTHING.) GRACELINE KNITTING CO., INC., Spring City, Pa. Filed May 20, 1926.

Particular description of goods.—Underwear of Knitted and Textile Fabric, Silk, and Artificial Silk.
Claims use since Jan. 19, 1926.

Ser. No. 231,949. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & CO., Pittsburgh, Pa. Filed May 20, 1926.

MAGNALITE

Particular description of goods.—Mixed and Paste Paint.
Claims use since Oct. 6, 1924.

Ser. No. 231,950. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & CO., Pittsburgh, Pa. Filed May 20, 1926.

SIPOLAC

Particular description of goods.—Ready-Mixed Lacquer.
Claims use since Mar. 23, 1926.

Ser. No. 231,952. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & CO., Pittsburgh, Pa. Filed May 20, 1926.

BUTALAC

Particular description of goods.—Ready-Mixed Lacquer.
Claims use since Mar. 23, 1926.

Ser. No. 231,955. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & CO., Pittsburgh, Pa. Filed May 20, 1926.

ULTRALITE

Particular description of goods.—Mixed and Paste Paint.
Claims use since Feb. 11, 1926.

Ser. No. 231,995. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. FLUEGELMAN & CO. INC., New York, N. Y. Filed May 21, 1926.

Particular description of goods.—Artificial-Silk Fabrics in the Piece.
Claims use since Feb. 24, 1926.

Ser. No. 232,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUNTHER CONFECTION AND CHOCOLATE COMPANY, Chicago, Ill. Filed May 21, 1926.

U-C-EM

Particular description of goods.—Candy.
Claims use since about May 12, 1926.

Ser. No. 232,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOMIS FRUIT GROWERS ASSOCIATION, Loomis, Calif. Filed May 21, 1926.

HIGH HAND

Particular description of goods.—Fresh Deciduous Fruits—Namely, Cherries, Plums, Peaches, Pears, Persimmons, Quinces, Nectarines, Apricots, and Fresh Grapes.
Claims use since May 1, 1923.

Ser. No. 232,043. (CLASS 39. CLOTHING.) POWLYN FROCKS, INCORPORATED, Boston, Mass. Filed May 21, 1926.

Powlyn

"Powlyn."
Particular description of goods.—Women's, Misses', and Children's Dresses and Smocks.
Claims use since Feb. 3, 1926.

Ser. No. 232,046. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y. Filed May 21, 1926.

Fastolast

Particular description of goods.—Cotton and Silk and Cotton Piece Goods.
Claims use since February, 1926.

Ser. No. 232,088. (CLASS 39. CLOTHING.) LEVINSOHN BROS. & CO., INC., New York, N. Y. Filed May 22, 1926.

Particular description of goods.—Men's and Boys' Coats, Trousers, Vests, and Overcoats.
Claims use since April, 1924.

Ser. No. 232,158. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 24, 1926.

ERACLIN

Particular description of goods.—Refined, Semirefined, and Unrefined Oils and Greases Made from Petroleum, Both With and Without Admixtures of Animal, Vegetable, or Mineral Substances, for Illuminating, Burning, Power, Solvent, Fuel, and Lubricating Purposes.
Claims use since Apr. 13, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 29, 1926.

214,523. SAUCES—NAMELY, CHILI SAUCE. PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif.
Filed August 18, 1924. Serial No. 201,529. PUBLISHED APRIL 13, 1926.

214,524. CANNED FRUITS, CANNED VEGETABLES, BOTTLED CHERRIES AND OLIVES, CATCHUP, CANNED PUMPKIN, CANNED SAUERKRAUT, CANNED HOMINY, VINEGAR, AND BREAKFAST CEREALS. NEW CASTLE GROCERY CO., New Castle, Pa.
Filed January 15, 1925. Serial No. 208,157. PUBLISHED APRIL 13, 1926.

214,525. SARATOGA CHIPS AND SALAD DRESSING. SIERRA FOOD COMPANY, Los Angeles, Calif.
Filed February 12, 1925. Serial No. 209,501. PUBLISHED APRIL 13, 1926.

214,526. EGG SUBSTITUTES. EG-CONO-ME MANUFACTURING COMPANY, Des Moines, Iowa.
Filed February 18, 1925. Serial No. 209,779. PUBLISHED APRIL 13, 1926.

214,527. CHINESE FOODS AND GROCERIES—NAMELY, NOODLES AND CHOW MEIN. WONG HING, doing business as Mun Hing, Mun Hing Noodle Factory, and Mun Hing Chow Mein and Noodle Factory, Minneapolis, Minn.
Filed February 19, 1925. Serial No. 209,889. PUBLISHED APRIL 13, 1926.

214,528. PAPRIKA. HIJO DE JUAN J. NAVARRO, Espinardo-Murcia, Spain, and New York, N. Y.
Filed July 22, 1925. Serial No. 217,710. PUBLISHED APRIL 13, 1926.

214,529. CERTAIN WOVEN FABRICS IN THE PIECE. WHITMAN-COONEY TEXTILE CORPORATION, New York, N. Y.
Filed August 25, 1925. Serial No. 219,361. PUBLISHED NOVEMBER 3, 1925.

214,530. CIGARS. BAYUK CIGARS INCORPORATED, Philadelphia, Pa.
Filed October 21, 1925. Serial No. 222,060. PUBLISHED APRIL 13, 1926.

214,531. BAKER'S VANILLA, MARSHMALLOW FROST, TUTTI-FRUTTI, COCOA PASTE, CARAMEL, MAPLE-WALNUT, AND BUTTERSCOTCH SUNDAES OR TOPPING USED AS A SUNDAE DRESSING. THE KEYSTONE FRUIT PRODUCTS COMPANY, Hamilton, Ohio.
Filed November 20, 1925. Serial No. 223,583. PUBLISHED APRIL 13, 1926.

214,532. BUILDER'S HARDWARE—NAMELY, PADLOCKS, NIGHT LOCKS, CABINET LOCKS, BANK LOCKS, DOOR LOCKS, RAILROAD-CAR LOCKS, KEYS AND PARTS THEREOF, STRIKE PLATES, AND ESCUTCHEONS. FRAIM-SLAYMAKER HARDWARE CO., INC., Lancaster, Pa.
Filed December 23, 1925. Serial No. 225,086. PUBLISHED APRIL 13, 1926.

214,533. DETECTOR AND AMPLIFIER TUBES FOR RADIO RECEIVING APPARATUS. STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill.
Filed December 26, 1925. Serial No. 225,207. PUBLISHED MARCH 30, 1926.

214,534. CHEWING TOBACCO. HAMILTON ORMSBY, Louisville, Ky.
Filed January 16, 1926. Serial No. 226,017. PUBLISHED APRIL 13, 1926.

214,535. CHEWING TOBACCO. RYAN-HAMPTON TOBACCO CO., Louisville, Ky.
Filed January 16, 1926. Serial No. 226,024. PUBLISHED APRIL 13, 1926.

214,536. CIGARETTES, CIGARS, AND SMOKING TOBACCO. MARK M. LEICHTER, doing business as Lickter's Egyptian Smoke Shop, Hollywood, Calif.
Filed January 18, 1926. Serial No. 226,064. PUBLISHED APRIL 13, 1926.

214,537. CIGARS, CIGARETTES, AND SMOKING TOBACCO. VIRGILIO RODRIGUEZ, New York, N. Y.
Filed January 25, 1926. Serial No. 226,377. PUBLISHED APRIL 13, 1926.

214,538. SAFES. THE SHAW-WALKER COMPANY, Muskegon, Mich.
Filed February 23, 1926. Serial No. 227,691. PUBLISHED APRIL 13, 1926.

214,539. PERFUME. LENTHERIC, INC., New York, N. Y.
Filed December 17, 1924. Serial No. 206,854. PUBLISHED FEBRUARY 10, 1925.

214,540. APPLIANCES FOR CLEANING BOILERS. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich.
Filed February 18, 1926. Serial No. 227,445. PUBLISHED APRIL 13, 1926.

214,541. WOODWORKING MACHINERY AND PARTS THEREOF. DE WALT PRODUCTS CO., Leola, Pa.
Filed February 16, 1926. Serial No. 227,343. PUBLISHED APRIL 13, 1926.

214,542. CERTAIN MACHINERY. B. F. STURTEVANT COMPANY, Hyde Park, Boston, Mass.
Filed December 7, 1922. Serial No. 173,055. PUBLISHED APRIL 13, 1926.

214,543. MIXERS, VACUUM PANS, STILLS, AUTOCLAVES, DIGESTERS, CRUTCHERS, AND SIMILAR MACHINERY. SOWERS MANUFACTURING COMPANY, Buffalo, N. Y.
Filed January 28, 1924. Serial No. 191,418. PUBLISHED APRIL 13, 1926.

214,544. PEARLS AND PEARL NECKLACES. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 26, 1924. Serial No. 201,881. PUBLISHED MARCH 23, 1926.

214,545. RADIO RECEIVING SETS AND PARTS THERSFOR. GEORG CHRISTIAN STOLTZ, New York, N. Y.
Filed October 28, 1924. Serial No. 204,528. PUBLISHED MARCH 23, 1926.

214,546. ELECTRIC HOUSEHOLD APPLIANCES. DEUTSCHE GASGLÜHLICHT-AUER-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed December 5, 1924. Serial No. 206,281. PUBLISHED MARCH 23, 1926.

214,547. WIRELESS AND/OR RADIO TRANSMITTING AND RECEIVING CIRCUITS AS COMPLETED ASSEMBLED SETS OR PARTS THEREOF—NAMELY, COILS, CONDENSERS, RHEOSTATS, RESISTANCES, TUBES, AND BATTERIES. HARKNESS RADIO CORPORATION, New York, N. Y.
Filed January 16, 1925. Serial No. 208,192. PUBLISHED MARCH 30, 1926.

214,548. RECEPTACLES. SHIPPING AND PACKING CASES, AND CONTAINERS MADE OF CORRUGATED PAPERBOARD. PEQUOT MANUFACTURING CORPORATION, Long Island City, N. Y.
Filed February 16, 1925. Serial No. 209,689. PUBLISHED APRIL 13, 1926.

214,549. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR PLUGS FOR RADIO APPARATUS ADAPTED FOR RADIO RECEPTION. POLYMET MANUFACTURING COMPANY, New York, N. Y.
Filed May 28, 1925. Serial No. 215,021. PUBLISHED MARCH 23, 1926.

214,550. PNEUMATIC-PRESSURE SYSTEMS FOR PUMPING, STORING, AND SUPPLYING WATER OR OTHER FLUIDS; PUMPS, AND FLUID-PRESSURE MOTORS, EXPLOSIVE ENGINES, AND PARTS THEREOF. THE DURO PUMP AND MANUFACTURING COMPANY, by change of name The Duro Company, Dayton, Ohio.
Filed September 21, 1925. Serial No. 220,509. PUBLISHED DECEMBER 1, 1925.

214,551. MAIL CHUTES AND BOXES FOR BUILDINGS. AMERICAN DEVICE MANUFACTURING COMPANY, St. Louis, Mo.
Filed October 19, 1925. Serial No. 221,939. PUBLISHED APRIL 13, 1926.

214,552. IMITATION PEARLS. FELIX GUILLARD, Paris, France.
Filed October 28, 1925. Serial No. 222,455. PUBLISHED MARCH 23, 1926.

214,553. ASSEMBLED RADIO RECEIVING APPARATUS OR SETS AND PARTS THEREOF. STRAIT-LINE RADIO CORPORATION, New York, N. Y.
Filed November 2, 1925. Serial No. 222,716. PUBLISHED MARCH 30, 1926.

214,554. BRACELETS, VANITY CASES, POWDER BOXES, CIGARETTE CASES, AND MESH BAGS, ALL MADE WHOLLY OR IN PART OF PRECIOUS METALS. THE NAPIER CO., New York, N. Y.
Filed November 14, 1925. Serial No. 223,318. PUBLISHED MARCH 23, 1926.

214,555. CERTAIN CHEMICAL WATER-TREATING DEVICES. WILLIAM R. PULKINGHORN, Los Angeles, Calif.
Filed December 7, 1925. Serial No. 224,359. PUBLISHED MARCH 23, 1926.

214,556. SOUND RECORDS FOR PHONOGRAPHS AND OTHER MACHINES OF THE RECORD TYPE FOR REPRODUCING SOUND. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 10, 1925. Serial No. 224,497. PUBLISHED MARCH 23, 1926.

214,557. MUSICAL INSTRUMENTS, ETC. THE RUDOLPH WURLITZER COMPANY, Cincinnati, Ohio.
Filed December 10, 1925. Serial No. 224,533. PUBLISHED MARCH 23, 1926.

214,558. OIL-WELL SWABS. L. G. BURT, Tulsa, Okla.
Filed January 5, 1926. Serial No. 225,502. PUBLISHED APRIL 13, 1926.

214,559. PAPER BAGS. ISIDORE MELNICK, New York, N. Y.
Filed January 8, 1926. Serial No. 225,670. PUBLISHED APRIL 13, 1926.

214,560. LATHES, PLANERS, DRILL PRESSES, BORING MILLS, SHAPERS, BAND SAWS, SAW TABLES, HACK SAWS, BOLT CUTTERS, PUNCH PRESSES, SHEARS, ROLLS, CLUTCHES, KEY SEATERS, INTERNAL-COMBUSTION ENGINES, CHISELS, PUNCHES, REAMERS, TAPS, DIES, DRILLS, FILES, CUTTERS, SAW BLADES, AND HAMMERS. WILLIAM B. BOOM, Cleveland, Ohio.
Filed January 11, 1926. Serial No. 225,762. PUBLISHED APRIL 13, 1926.

214,561. AUTOMATIC SODA FOUNTAINS. SODOASIS MANUFACTURING CO., Los Angeles, Calif.
Filed January 18, 1926. Serial No. 226,083. PUBLISHED APRIL 13, 1926.

214,562. GARBAGE AND WASTE CANS. MASTER METAL PRODUCTS INC., Buffalo, N. Y.
Filed January 22, 1926. Serial No. 226,250. PUBLISHED APRIL 13, 1926.

214,563. A SERIES OF MOTION-PICTURE FILMS. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y.
Filed January 26, 1926. Serial No. 226,427. PUBLISHED APRIL 6, 1926.

214,564. BALING PRESSES. MORRIS LOEWY, doing business as New York Machinery Company, New York, N. Y.
Filed January 26, 1926. Serial No. 226,435. PUBLISHED APRIL 13, 1926.

214,565. BEET BLOCKERS. JOSEPH F. PRENOSIL, Georgetown, Minn.
Filed January 28, 1926. Serial No. 226,557. PUBLISHED APRIL 13, 1926.

214,566. DILATOMETERS. THE STANLEY P. ROCKWELL COMPANY, Hartford, Conn.
Filed February 8, 1926. Serial No. 227,040. PUBLISHED APRIL 13, 1926.

214,567. CANNED FRUITS, ETC. THE KROGER GROCERY & BAKING CO., Cincinnati Ohio.
Filed August 20, 1923. Serial No. 184,737. PUBLISHED JULY 14, 1925.

214,568. SMALL ORNAMENTAL COLORED CHRISTMAS-TREE ELECTRIC-LAMP REFLECTORS, ELECTRIC CHRISTMAS-TREE LIGHTING OUTFITS, ELECTRIC CHRISTMAS-TREE LAMPS, AND CHRISTMAS-TREE ELECTRICAL LIGHTING ORNAMENTS. MONOWATT ELECTRIC IMPORT COMPANY, INC., New York, N. Y.
Filed October 3, 1923. Serial No. 186,518. PUBLISHED FEBRUARY 17, 1925.

214,569. RADIO PRODUCTS CONSISTING OF RECEIVING SETS, LOUD SPEAKERS, A BATTERIES, B BATTERIES, HEADSETS, PHONE PLUGS, REFLEX COILS, CRYSTALS, TRANSFORMERS, CONDENSERS, AND SOCKETS. WALTER W. BIDDICK, INC., Los Angeles, Calif.
Filed August 18, 1924. Serial No. 201,531. PUBLISHED DECEMBER 9, 1924.

214,570. ELECTRICALLY-OPERATED VACUUM CLEANERS. THE UNITED ELECTRIC COMPANY, Canton, Ohio.
Filed August 26, 1924. Serial No. 201,910. PUBLISHED MARCH 30, 1926.

214,571. PANCAKE FLOUR, DRIED RAISINS, DRIED PRUNES, MARASCHINO CHERRIES, SWEET-PEPPER RELISH, AND CANNED MUSHROOMS, AND SANDWICH SPREAD COMPOSED OF MAYONNAISE, CHOPPED PICKLES, PEPPERS, CHOPPED OLIVES, FRUITS, AND NUTS. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed September 2, 1924. Serial No. 202,121. PUBLISHED MARCH 17, 1925.

214,572. ANTENNA LOOPS, RADIO RECEIVING SETS, FIXED AND VARIABLE CONDENSERS, RHEOSTATS, TRANSFORMERS, RADIO TUBE SOCKETS, TUNING COILS AND MOUNTINGS, PANELS FOR RECEIVING SETS, SWITCH POINTS. JEAN NAZELEY, doing business as J. Nazeley Co., New York, N. Y.
Filed October 25, 1924. Serial No. 204,416. PUBLISHED MARCH 23, 1926.

214,573. FINGER RINGS AND BREASTPINS. HENRY W. PETERS, doing business as H. W. Peters Co., Boston, Mass.
Filed December 17, 1924. Serial No. 206,858. PUBLISHED MARCH 30, 1926.

214,574. CINEMATOGRAPH RECORDING AND EXHIBITING APPARATUS, APPARATUS FOR RECORDING SOUND ON MOVING-PICTURE FILMS, APPARATUS FOR REPRODUCING SOUND FROM PHOTOGRAPHIC SOUND RECORDS, FILMS BEARING PHOTOGRAPHIC SOUND RECORDS, FILMS BEARING MOVING-PICTURE RECORDS AND PHOTOGRAPHIC SOUND RECORDS, AND PHOTOGRAPHIC-PRINTING APPARATUS. TRI-ERGON A.-G., Zurich, Switzerland.
Filed December 29, 1924. Serial No. 207,418. PUBLISHED APRIL 13, 1926.

214,575. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HERALD WATCH CO., INC., New York, N. Y.
Filed January 2, 1925. Serial No. 207,567. PUBLISHED MARCH 30, 1926.

214,576. VEHICLE BODIES. AMERICAN BODY COMPANY INCORPORATED, Dallas, Tex.
Filed February 1, 1926. Serial No. 226,705. PUBLISHED APRIL 20, 1926.

214,577. BRUSHES ESPECIALLY ADAPTED FOR APPLYING PAINT, VARNISH, ENAMEL, LACQUER, AND SIMILAR FINISHES. HARRISON BRUSH COMPANY, Philadelphia, Pa.
Filed February 11, 1926. Serial No. 227,176. PUBLISHED APRIL 13, 1926.

214,578. MEN'S OVERALLS, PANTS, AND WORK SHIRTS. AMERICAN WORK CLOTHES, INC., Little Rock, Ark.
Filed February 12, 1926. Serial No. 227,213. PUBLISHED MARCH 30, 1926.

214,579. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed February 13, 1926. Serial No. 227,266. PUBLISHED APRIL 13, 1926.

214,580. GINGER ALE. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed February 19, 1926. Serial No. 227,528. PUBLISHED APRIL 13, 1926.

214,581. PORTABLE SAVINGS BANKS. SHULMAN & SONS, New York, N. Y.
Filed February 19, 1926. Serial No. 227,538. PUBLISHED APRIL 20, 1926.

214,582. AUTOMOBILE VENTILATORS AND WINDOW REGULATORS. ACKERMAN, BLAESSER, FEZZEY, INC., Detroit, Mich.
Filed February 23, 1926. Serial No. 227,619. PUBLISHED APRIL 20, 1926.

214,583. LOCKS AND LATCHES AND KEYS THEREFOR. LLOYD B. HERSHEY, doing business as The Safe Padlock and Hardware Company, Lancaster, Pa.
Filed February 24, 1926. Serial No. 227,743. PUBLISHED APRIL 20, 1926.

214,584. CANDY AND CHOCOLATES. J. A. WALDREP, Tulsa, Okla.
Filed February 20, 1926. Serial No. 227,617. PUBLISHED APRIL 13, 1926.

214,585. MEN'S AND BOYS' SUITS AND OVERCOATS. HENRY SONNEBORN COMPANY, INC., Baltimore, Md.
Filed February 25, 1926. Serial No. 227,794. PUBLISHED APRIL 13, 1926.

214,586. STEEL PLATES. THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio.
Filed February 26, 1926. Serial No. 227,868. PUBLISHED APRIL 13, 1926.

214,587. HYPODERMIC SYRINGES. EUGENE PINKUS, New York, N. Y.
Filed March 3, 1926. Serial No. 228,066. PUBLISHED APRIL 13, 1926.

214,588. METAL AND ALLOYS OF METAL. THE CRONITE FOUNDRY COMPANY LIMITED, London, England.
Filed March 4, 1926. Serial No. 228,087. PUBLISHED APRIL 13, 1926.

214,589. SANITARY NAPKINS. CALEDONIA CELLULOSE COMPANY, INC., New York, N. Y.
Filed March 6, 1926. Serial No. 228,226. PUBLISHED APRIL 13, 1926.

214,590. IMPORTED GENUINE ENGLISH BROADCLOTH, A WOVEN COTTON FABRIC. FAIRFAX TEXTILE MILLS INC., New York, N. Y.
Filed January 16, 1925. Serial No. 208,187. PUBLISHED MARCH 31, 1925.

214,591. TOWELS, HANDKERCHIEFS, AND NAPKINS OF TEXTILE FABRICS. WILLIAM C. HOUCK, Philadelphia, Pa.
Filed January 19, 1925. Serial No. 208,293. PUBLISHED MARCH 24, 1925.

214,592. DUMB-BELLS, GRIP DEVELOPERS, AND MUSCULAR DEVELOPERS FOR THE MUSCLES OF THE FINGERS, HANDS, AND ARMS. GUY CAMPBELL, London, England.
Filed October 26, 1925. Serial No. 222,305. PUBLISHED APRIL 13, 1926.

214,593. BRUSHES—NAMELY, FLOOR BRUSHES, WINDOW BRUSHES, COUNTER BRUSHES, RADIATOR BRUSHES, TOILET-BOWL BRUSHES, WALL BRUSHES, FLOOR MOPS, SHOE DAUBERS, SHOE BRUSHES, HAND SCRUB BRUSHES, DECK SCRUB BRUSHES, PUSH BROOMS, ROUND STEEL WIRE PAINTERS' BRUSHES, ROUND STEEL WIRE MACHINISTS' BRUSHES, FLAT STEEL WIRE BUTCHERS' BRUSHES, BOTTLE BRUSHES, AND SPOKE BRUSHES. SULLIVAN BRUSH CO., Sullivan, Ind.
Filed November 4, 1925. Serial No. 222,802. PUBLISHED APRIL 13, 1926.

214,594. PICTURE CONSTRUCTION SETS OF LAYER PIECES. HALES LAYER POSTER CORPORATION, New York, N. Y.
Filed November 28, 1925. Serial No. 223,962. PUBLISHED APRIL 13, 1926.

214,595. PAINTERS' BRUSHES. SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y.
Filed December 2, 1925. Serial No. 224,116. PUBLISHED APRIL 13, 1926.

214,596. PAINTERS' BRUSHES. SOLO-HORTON BRUSH COMPANY, INCORPORATED, New York, N. Y.
Filed December 16, 1925. Serial No. 224,786. PUBLISHED APRIL 13, 1926.

214,597. DOLLS AND FOOTBALLS. LIVE LONG TOYS, Chicago, Ill.
Filed January 9, 1926. Serial No. 225,699. PUBLISHED APRIL 13, 1926.

214,598. AUTOMOBILE SEAT COVERS. DURANT MOTOCOVER CO., INC., New York, N. Y.
Filed January 21, 1926. Serial No. 226,187. PUBLISHED APRIL 20, 1926.

214,599. AUTOMOBILE SEAT COVERS. PROTEXCAR MFG. CO., New York, N. Y.
Filed January 21, 1926. Serial No. 226,210. PUBLISHED APRIL 20, 1926.

214,600. GAME PLAYED WITH BALLS AND MALLETS. KOROLO GAME COMPANY, Des Moines, Iowa.
Filed January 22, 1926. Serial No. 226,249. PUBLISHED APRIL 13, 1926.

214,601. AUTOMOBILE HEATERS. LESLIE L. STEINDLER, New York, N. Y.
Filed January 25, 1926. Serial No. 226,384. PUBLISHED APRIL 20, 1926.

214,602. SHOCK ABSORBERS, VIBRATION DAMPERS, AND CUSHIONING DEVICES. JULIUS CATO VREDENBURG, London, England.
Filed June 30, 1925. Serial No. 216,703. PUBLISHED APRIL 20, 1926.

214,603. TOY BUILDINGS. HERBERT CHASE, Forest Hills, N. Y.
Filed April 7, 1925. Serial No. 212,321. PUBLISHED APRIL 13, 1926.

214,604. CEMENT. EDWIN C. ECKEL, Washington, D. C.
Filed March 31, 1925. Serial No. 211,908. PUBLISHED NOVEMBER 24, 1925.

214,605. LEATHER BELTING AND RAWHIDE CUT LACE FOR LEATHER BELTING. WHITING LEATHER & BELTING CO., INC., Long Island City, N. Y.
Filed March 18, 1925. Serial No. 211,244. PUBLISHED NOVEMBER 24, 1925.

214,606. ELECTRIC BATTERIES. BRIGHT STAR BATTERY CO., doing business as Eclipse Battery Co., Hoboken, N. J.
Filed November 9, 1925. Serial No. 223,017. PUBLISHED MARCH 30, 1926.

214,607. CHAIRS FOR HOUSEHOLD PURPOSES, DINING TABLES, CARD TABLES, KITCHEN TABLES, AND LIVING-ROOM TABLES, SERVERS AND BUFFETS. J. C. SPACH WAGON WORKS, Winston-Salem, N. C.
Filed November 2, 1925. Serial No. 222,713. PUBLISHED APRIL 13, 1926.

214,608. ELECTRIC COOKERS AND BAKERS. ARTHUR E. SWEET, New York, N. Y.
Filed November 4, 1925. Serial No. 222,804. PUBLISHED JANUARY 5, 1926.

214,609. RADIO RECEIVING SETS AND PARTS THEREOF. CARL HENRY RAUSCHENBERG, Greenville, Pa., assignor to Muntz-Wright Company, Greenville, Pa., a Corporation.
Filed January 2, 1926. Serial No. 225,446. PUBLISHED MARCH 30, 1926.

214,610. BATTERIES. DIAMOND ELECTRIC SPECIALTIES CORPORATION, Newark, N. J.
Filed January 5, 1926. Serial No. 225,507. PUBLISHED MARCH 30, 1926.

214,611. RING GUARDS. THE LION SAFETY PIN CLUTCH CO., INC., New York, N. Y.
Filed January 5, 1926. Serial No. 225,517. PUBLISHED MARCH 30, 1926.

214,612. ELECTRIC POSITION INDICATOR FOR ELEVATORS. ELEVATOR SUPPLIES CO., INC., Hoboken, N. J.
Filed January 7, 1926. Serial No. 225,602. PUBLISHED MARCH 30, 1926.

214,613. SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. PAP MANUFACTURING COMPANY, INC., St. Louis, Mo.
Filed January 7, 1926. Serial No. 225,618. PUBLISHED MARCH 30, 1926.

214,614. ELECTRIC BATTERIES. CONSOLIDATED BATTERY COMPANY, Buffalo, N. Y., and Philadelphia, Pa.
Filed January 8, 1926. Serial No. 225,649. PUBLISHED MARCH 30, 1926.

214,615. SUGAR-WAFER BAR CAKE. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind.
Filed January 9, 1926. Serial No. 225,730. PUBLISHED APRIL 13, 1926.

214,616. RADIOTUBES. MUSIC MASTER CORPORATION, Philadelphia, Pa.
Filed January 12, 1926. Serial No. 225,837. PUBLISHED MARCH 30, 1926.

214,617. RADIOTUBES. MUSIC MASTER CORPORATION, Philadelphia, Pa.
Filed January 12, 1926. Serial No. 225,838. PUBLISHED MARCH 30, 1926.

214,618. SCARF AND COLLAR PINS, COLLAR BUTTONS, STUDS, AND LINK SLEEVE BUTTONS MADE WHOLLY OR IN PART OF PRECIOUS METAL. ARROW EMBLEM CO., INC., New York, N. Y.
Filed January 13, 1926. Serial No. 225,858. PUBLISHED MARCH 30, 1926.

214,619. BROOCHES, BAR PINS, PINS FOR DRESS ORNAMENTS, ORNAMENTAL HATPINS, ORNAMENTAL PINS AND BUCKLES FOR DECORATING HATS, ORNAMENTAL SHOE BUCKLES, NECKLACES, BEAD NECKLACES, BRACELETS, EARRINGS, HAIR ORNAMENTS, AND FINGER RINGS. COHN & ROSENBERGER, INC., New York, N. Y.
Filed January 14, 1926. Serial No. 225,912. PUBLISHED APRIL 6, 1926.

214,620. CANDY. C. F. BLANKE CANDY CO., Branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo.
Filed January 19, 1926. Serial No. 226,093. PUBLISHED APRIL 13, 1926.

214,621. FRESH APPLES, WALNUTS IN THEIR NATURAL STATE. SEALY-DRESSER CO., Portland, Oreg.
Filed January 20, 1926. Serial No. 226,169. PUBLISHED APRIL 13, 1926.

214,622. PHOTOGRAPHIC CAMERAS, PANORAMIC ATTACHMENTS FOR CAMERAS, PHOTOGRAPHIC FILM, TRIPODS, AND PHOTOGRAPHIC-PRINTING FRAMES. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed January 21, 1926. Serial No. 226,188. PUBLISHED APRIL 6, 1926.

214,623. MOUTHPIECES FOR MUSICAL WIND INSTRUMENTS. H. BENNE HENTON, Philadelphia, Pa.
Filed January 21, 1926. Serial No. 226,197. PUBLISHED APRIL 6, 1926.

214,624. CANNED FOODS—NAMELY, TOMATOES, SQUASH, CORN, SUCCOTASH, LIMA BEANS, STRING BEANS, PUMPKIN, AND ROASTED COFFEE, ALL PUT UP IN CANS. THE E. S. KIBBE COMPANY, Hartford, Conn.
Filed January 21, 1926. Serial No. 226,198. PUBLISHED APRIL 13, 1926.

214,625. WRITING INK. RALPH A. BELMONT, New York, N. Y.
Filed January 26, 1926. Serial No. 226,416. PUBLISHED APRIL 6, 1926.

214,626. MILK CHOCOLATE. CHOCOLATE SALES CORPORATION, Hershey, Pa.
Filed January 30, 1926. Serial No. 226,634. PUBLISHED APRIL 13, 1926.

214,627. CERTAIN RECEPTACLES FORMED OF PAPER, CARDBOARD, OR OTHER SUITABLE MATERIAL. WILLIAM C. KELLY, Orangeburg, S. C.
Filed January 30, 1926. Serial No. 226,660. PUBLISHED APRIL 13, 1926.

214,628. CERTAIN ELECTRICAL APPARATUS. REYNOLDS SPRING COMPANY, Jackson, Mich.
Filed October 28, 1925. Serial No. 222,479. PUBLISHED MARCH 30, 1926.

214,629. RADIODIALS AND MOUNTINGS THEREFOR. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed October 28, 1925. Serial No. 222,453. PUBLISHED MARCH 30, 1926.

214,630. CERTAIN ELECTRICAL APPARATUS. REYNOLDS SPRING COMPANY, Jackson, Mich.
Filed October 28, 1925. Serial No. 222,480. PUBLISHED MARCH 30, 1926.

214,631. ALL FORMS OF NUTS IN NATURAL SHELLED, PREPARED, CANDIED, OR SALTED CONDITION. SUNBRUG'S NUT PRODUCTS, LTD., New York, N. Y.
Filed February 11, 1925. Serial No. 209,439. PUBLISHED APRIL 13, 1926.

214,632. WOMEN'S AND CHILDREN'S DRESSES, APRONS, SHIRT WAISTS, BLOUSES; FLANNELETTE NIGHT ROBES AND PYJAMAS FOR MEN, WOMEN, AND CHILDREN; AND NURSES' UNIFORMS. S. L. MUNSON CO., Albany, N. Y.
Filed February 13, 1925. Serial No. 209,539. PUBLISHED OCTOBER 13, 1925.

214,633. REFRIGERATING APPARATUS, REFRIGERATING MACHINES, AND REFRIGERATORS. AKTIEBOLAGET ELEKTROLUX, Stockholm, Sweden.
Filed September 22, 1925. Serial No. 220,587. PUBLISHED APRIL 13, 1926.

214,634. CANNED SALMON AND CANNED LOGANBERRIES. MCGOVERN AND MCGOVERN, Seattle, Wash.
Filed September 5, 1925. Serial No. 219,901. PUBLISHED APRIL 13, 1926.

214,635. DRESSES. LANG-KOHN MANUFACTURING COMPANY, St. Louis, Mo.
Filed August 5, 1925. Serial No. 218,419. PUBLISHED APRIL 13, 1926.

214,636. FRESH GRAPES. PINKHAM HOLDINGS CO., Los Angeles, Calif.
Filed August 3, 1925. Serial No. 218,331. PUBLISHED APRIL 13, 1926.

214,637. FRESH DECIDUOUS FRUITS. COLFAX FRUIT GROWERS ASSOCIATION, Colfax, Calif.
Filed July 9, 1925. Serial No. 217,072. PUBLISHED APRIL 13, 1926.

214,638. FRESH GRAPES. PINKHAM HOLDINGS CO., Los Angeles, Calif.
Filed August 3, 1925. Serial No. 218,328. PUBLISHED APRIL 13, 1926.

214,639. FISH FOOD. POTTER-WRIGHTINGTON, INC., Boston, Mass.
Filed April 1, 1925. Serial No. 212,033. PUBLISHED APRIL 13, 1926.

214,640. CORNETS, TRUMPETS, ALTOS, BARITONES, E♭ BASSES, SLIDE TROMBONES, AND VALVE TROMBONES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 11, 1925. Serial No. 210,860. PUBLISHED APRIL 6, 1926.

214,641. UNDERWEAR—NAMELY, UNION SUITS, UNDERSHIRTS, AND DRAWERS OF KNITTED OR WOVEN FABRICS—FOR MEN, WOMEN, AND CHILDREN; DRESS, NEGLIGEE, AND WORK SHIRTS, SHIRT WAISTS, AND HOSIERY FOR MEN, WOMEN, AND CHILDREN, AND DRESSES. DAVID H. POSNER INC., Boston, Mass.
Filed November 9, 1925. Serial No. 223,055. PUBLISHED APRIL 13, 1926.

214,642. CANNED FRUITS AND DRIED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FISH, AND CANNED FRUIT SALAD. LANDAUER & CO., London, England.
Filed November 12, 1925. Serial No. 223,177. PUBLISHED APRIL 13, 1926.

214,643. HOUSEHOLD FURNITURE—NAMELY, DRESSERS, CHIFFONIERS, CHIFFOROBES, CHIFFORETTES, LOWBOYS, HIGHBOYS, BEDS, CHESTS, NIGHT STANDS, TELEPHONE STANDS, BENCHES, CHAIRS, ROCKERS, AND TABLES. TELL CITY FURNITURE COMPANY, Tell City, Ind.
Filed November 14, 1925. Serial No. 223,347. PUBLISHED APRIL 13, 1926.

214,644. RADIO RECEIVING SETS. GIMBEL BROTHERS, INC., New York, N. Y.; Philadelphia, Pa.; and Milwaukee, Wis.
Filed November 18, 1925. Serial No. 223,473. PUBLISHED MARCH 30, 1926.

214,645. CANDY. WILLIAM ALBERT FOSTER, Jr., Milwaukee, Wis.
Filed November 30, 1925. Serial No. 224,009. PUBLISHED APRIL 6, 1926.

214,646. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. PIRU CITRUS ASSOCIATION, Piru, Calif.
Filed November 30, 1925. Serial No. 224,043. PUBLISHED APRIL 13, 1926.

214,647. ASSEMBLED RADIO RECEIVING SETS. STROMBERG-CARLSON TELEPHONE MFG. CO., Rochester, N. Y.
Filed December 3, 1925. Serial No. 224,210. PUBLISHED MARCH 30, 1926.

214,648. MEXICAN CHICK PEAS. ARTHUR GONZALEZ, New York, N. Y.
Filed January 20, 1926. Serial No. 226,136. PUBLISHED MARCH 9, 1926.

214,649. COCOA AND CHOCOLATE. E. & A. OPLER INC., Chicago, Ill.
Filed February 2, 1926. Serial No. 226,783. PUBLISHED APRIL 13, 1926.

214,650. METAL TRASH CONTAINERS. JOHN E. BULWINKLE, doing business as Litex Inc., Charleston, S. C.
Filed February 3, 1926. Serial No. 226,801. PUBLISHED APRIL 13, 1926.

214,651. SANITARY NAPKINS. UNITED DRUG COMPANY, Boston, Mass.
Filed February 3, 1926. Serial No. 226,836. PUBLISHED APRIL 13, 1926.

214,652. SIZE IN BETWEEN MISSES' AND JUNIORS' DRESSES MADE OF SILK, COTTON, WOOL, LINEN, SATIN, AND VELVET MATERIALS. THE BIESENTHAL-JOHNSTON CO., New York, N. Y.
Filed February 5, 1926. Serial No. 226,877. PUBLISHED APRIL 13, 1926.

214,653. SIZE IN BETWEEN JUNIORS' AND CHILDREN'S DRESSES MADE OF SILK, COTTON, WOOL, LINEN, AND SATIN MATERIALS. THE BIESENTHAL-JOHNSTON CO., New York, N. Y.
Filed February 5, 1926. Serial No. 226,878. PUBLISHED APRIL 13, 1926.

214,654. CANDIES. BLUE HILL CANDY CO., St. Louis, Mo.
Filed February 8, 1926. Serial No. 227,052. PUBLISHED APRIL 6, 1926.

214,655. VOLTMETERS. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J.
Filed February 9, 1926. Serial No. 227,097. PUBLISHED APRIL 13, 1926.

214,656. PHOTOGRAPHIC FILMS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed February 15, 1926. Serial No. 227,299. PUBLISHED APRIL 13, 1926.

214,657. BEDS, BED SPRINGS, MATTRESSES, PADS, AND PILLOWS. JAMES H. MCCAIN, doing business as Alexandria Bedding Company, Alexandria, La.
Filed October 6, 1925. Serial No. 221,326. PUBLISHED APRIL 6, 1926.

214,658. METAL RULE SUITABLE FOR USE AS A PAPER WEIGHT, GAUGE, STRAIGHTEDGE, AND LINE GUIDE. SAMUEL MICHAEL SCHENKEIN, Newark, N. J.
Filed February 16, 1926. Serial No. 227,370. PUBLISHED APRIL 13, 1926.

214,659. ADVERTISING AND PUBLICITY MOTION-PICTURE FILMS. ALEXANDER INDUSTRIES, INC., Englewood, Colo.
Filed February 19, 1926. Serial No. 227,492. PUBLISHED APRIL 13, 1926.

214,660. COLLAPSIBLE CARDBOARD PAPER BAGS. NOMAD KIT BAG CO., INC., New York, N. Y.
Filed February 19, 1926. Serial No. 227,531. PUBLISHED APRIL 13, 1926.

214,661. BRONZE SHEETS. U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y.
Filed February 20, 1926. Serial No. 227,586. PUBLISHED APRIL 13, 1926.

214,662. DRAWING INKS, WRITING INKS, AND MARKING INKS. THE PAR WELL LABORATORIES, Columbus, Ohio.
Filed February 20, 1926. Serial No. 227,596. PUBLISHED APRIL 6, 1926.

214,663. METER FRAMES, DISKS, AND CASES, ETC. BAKELITE CORPORATION, New York, N. Y.
Filed October 12, 1925. Serial No. 221,592. PUBLISHED APRIL 6, 1926.

214,664. COMBINED CLOTHESLINES AND REELS THEREFOR. PATENT NOVELTY COMPANY, Fulton, Ill.
Filed October 12, 1925. Serial No. 221,635. PUBLISHED MARCH 30, 1926.

214,665. CHESTS, DINING-ROOM TABLES, SERVING TABLES, BUFFET TABLES, DISPLAY TABLES, BUFFETS, AND SIDEBOARDS. ONEIDA COMMUNITY LIMITED, Oneida, N. Y.
Filed October 17, 1925. Serial No. 221,917. PUBLISHED APRIL 6, 1926.

214,666. TOBACCO PIPES. A. OPPENHEIMER & CO., London, England.
Filed October 23, 1925. Serial No. 222,185. PUBLISHED DECEMBER 8, 1925.

214,667. SO-CALLED ALLOY STEELS AND CASTINGS MADE THEREFROM. THE MASSILLON STEEL CASTING COMPANY, Massillon, Ohio.
Filed September 24, 1925. Serial No. 220,733. PUBLISHED APRIL 13, 1926.

214,668. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HERALD WATCH CO., INC., New York, N. Y.
Filed January 2, 1925. Serial No. 207,568. PUBLISHED MARCH 30, 1926.

214,669. RUBBERIZED GLOVES, APRONS, LEGGINGS, AND MEN'S RUBBERIZED COATS. TUFOAK PRODUCTS CO., Oakland, Calif.
Filed April 8, 1925. Serial No. 212,409. PUBLISHED MARCH 16, 1926.

214,670. CONDENSERS FOR RADIO APPARATUS. AMBASSADOR SALES CO., INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,030. PUBLISHED MARCH 30, 1926.

214,671. GLASSES, BOWLS, LAMP SHADES, PITCHERS, VASES, FLOWER HOLDERS, AND TUBES MADE OF GLASS. ADOLPHE SCHLOSS FILS & CIE., Paris, France.
Filed January 21, 1925. Serial No. 208,430. PUBLISHED FEBRUARY 16, 1926.

214,672. ELECTROPLATERS. BLUE POINT TOOL COMPANY, Chicago, Ill., and Racine, Wis.
Filed February 5, 1925. Serial No. 209,117. PUBLISHED APRIL 6, 1926.

214,673. COSTUMES, COATS, AND SKIRTS FOR WOMEN; HATS, CAPS, SUITS, AND OVERCOATS FOR MEN AND CHILDREN. J. & J. C. DORWARD LIMITED, Galashiels, Scotland.
Filed September 22, 1925. Serial No. 220,599. PUBLISHED APRIL 13, 1926.

214,674. CANDY. STEWART RITNER, Reading, Pa.
Filed February 24, 1925. Serial No. 210,083. PUBLISHED APRIL 13, 1926.

214,675. CERTAIN ELECTRICAL APPARATUS. REYNOLDS SPRING COMPANY, Jackson, Mich.
Filed October 28, 1925. Serial No. 222,482. PUBLISHED MARCH 30, 1926.

214,676. AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, SCRAPERLESS FILTERS, AND CHEMICAL DRIERS, FILTER-CAKE COMPRESSORS, DRYING SYSTEMS, AND DRUM-TYPE DRIERS USED IN CONNECTION WITH FILTERS OR FILTERING APPARATUS AND CONSTITUTING A PART THEREOF. FILTRATION ENGINEERS INC., New York, N. Y.
Filed November 9, 1925. Serial No. 223,029. PUBLISHED APRIL 13, 1926.

214,677. AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, SCRAPERLESS FILTERS, AND CHEMICAL DRIERS, FILTER-CAKE COMPRESSORS, DRYING SYSTEMS, AND DRUM-TYPE DRIERS USED IN CONNECTION WITH FILTERS OR FILTERING APPARATUS AND CONSTITUTING A PART THEREOF. FILTRATION ENGINEERS, INC., New York, N. Y.
Filed November 9, 1925. Serial No. 223,030. PUBLISHED APRIL 13, 1926.

214,678. CANDY—NAMELY, TOFFEE. REID, MURDOCH & CO., Chicago, Ill.
Filed November 11, 1925. Serial No. 223,139. PUBLISHED APRIL 13, 1926.

214,679. UKULELES AND BANJO UKULELES. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed November 14, 1925. Serial No. 223,330. PUBLISHED MARCH 30, 1926.

214,680. ELECTRIC SOCKETS AND PARTS THEREOF, RECEPTACLES AND PARTS THEREOF, ELECTRIC-LIGHTING FIXTURES AND FIXTURE PARTS, PLUGS AND SHADE HOLDERS FOR ELECTRIC LAMPS; INSULATORS, CUT-OUTS, FUSES, CONDUIT CLAMPS, SOCKET ADAPTERS, OUTLET-BOX ADAPTERS, CONDUIT-BOX STRAPS, ROSETTES, CANOPIES, CEILING BUTTONS, CLEATS, PORCELAIN PARTS, AND TUBES FOR ELECTRIC WIRING, AND PUSH BUTTONS AND SWITCHES FOR ELECTRIC CIRCUITS. PASS & SEYMOUR, INCORPORATED, Solvay, N. Y.
Filed December 2, 1925. Serial No. 224,107. PUBLISHED MARCH 30, 1926.

214,681. CLOTH COVERS FOR IRONING BOARDS. DAVID CAPLAN COMPANY, Boston, Mass.
Filed December 5, 1925. Serial No. 224,275. PUBLISHED MARCH 30, 1926.

214,682. RADIO PARTS—NAMELY, RESISTANCE UNITS AND GRID LEAKS. AMSCO PRODUCTS, INC., New York, N. Y.
Filed December 10, 1925. Serial No. 224,489. PUBLISHED MARCH 30, 1926.

214,683. GALVANIZED LAUNDRY TUBS. J. M. TENNISON, doing business as Tennison Bros., Texarkana, Ark. and Tex.
Filed December 17, 1925. Serial No. 224,843. PUBLISHED MARCH 30, 1926.

214,684. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. BIPPART, BENNETT & CO., Newark, N. J.
Filed December 21, 1925. Serial No. 224,946. PUBLISHED MARCH 30, 1926.

214,685. DRAWING INSTRUMENTS COMPRISING COMPASSES, DIVIDERS, BOW PENS, BOW PENCILS, AND DRAWING PENS. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed December 29, 1925. Serial No. 225,265. PUBLISHED APRIL 13, 1926.

214,686. ELECTROLYTIC RECTIFIERS AND CONDENSERS. PHILADELPHIA STORAGE BATTERY CO., Philadelphia, Pa.
Filed December 29, 1925. Serial No. 225,276. PUBLISHED MARCH 30, 1926.

214,687. SILVERWARE—NAMELY, FLATWARE, AND MORE PARTICULARLY TABLE CRUMBERS. THE WEIDLICH BROS. M'F'G. CO., Bridgeport, Conn.
Filed December 29, 1925. Serial No. 225,293. PUBLISHED MARCH 30, 1926.

214,688. ELECTRICAL FLOOR-SURFACING MACHINES. ELECTRIC ROTARY MACHINE CO., Chicago, Ill.
Filed December 31, 1925. Serial No. 225,354. PUBLISHED MARCH 30, 1926.

214,689. KNITTED UNDERWEAR. JENS C. FONNESBECK, doing business as Fonnesbeck Knitting Works, Logan City, Utah.
Filed February 1, 1926. Serial No. 226,720. PUBLISHED APRIL 13, 1926.

214,690. SANITARY NAPKINS. NOVOX LABORATORIES, INC., New York, N. Y.
Filed February 1, 1926. Serial No. 226,734. PUBLISHED APRIL 13, 1926.

214,691. RADIO VACUUM TUBES. UNITED RADIO & ELECTRIC CORPORATION, Newark, N. J.
Filed February 1, 1926. Serial No. 226,746. PUBLISHED MARCH 30, 1926.

214,692. RADIO VACUUM TUBES. UNITED RADIO & ELECTRIC CORPORATION, Newark, N. J.
Filed February 1, 1926. Serial No. 226,748. PUBLISHED MARCH 30, 1926.

214,693. EXTRACTS OF MEAT AND COMPOUNDS THEREOF. VALENTINE'S MEAT-JUICE COMPANY, Richmond, Va.
Filed February 1, 1926. Serial No. 226,749. PUBLISHED APRIL 13, 1926.

214,694. EXTRACTS OF MEAT AND COMPOUNDS THEREOF. VALENTINE'S MEAT-JUICE COMPANY, Richmond, Va.
Filed February 1, 1926. Serial No. 226,750. PUBLISHED APRIL 13, 1926.

214,695. MOUTH HARMONICAS AND ACCORDIONS. M. HOHNER, INC., New York, N. Y.
Filed February 16, 1926. Serial No. 227,352. PUBLISHED APRIL 6, 1926.

214,696. MOCHA COFFEES. AMERICAN OVER-ORIENT TRADING CORPORATION, New York, N. Y.
Filed March 1, 1924. Serial No. 193,088. PUBLISHED APRIL 13, 1926.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

214,697. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOENING AERONAUTICAL ENGINEERING CORPORATION, New York, N. Y. Filed Jan. 12, 1926. Serial No. 225,829.

LOENING

Particular description of goods.—Airplanes, Seaplanes, Flying Boats, Amphibian Planes, and Structural Parts Thereof.
Claims use since August, 1917.

214,698. (CLASS 12. CONSTRUCTION MATERIALS.) WOODBRIDGE ORNAMENTAL IRON COMPANY, Chicago, Ill. Filed Nov. 30, 1925. Serial No. 224,065.

PRESTEEL

Particular description of goods.—Stairways.
Claims use since Feb. 5, 1920.

214,699. (CLASS 39. CLOTHING.) DURABLE KNITTING MILLS, Philadelphia, Pa. Filed Nov. 16, 1925. Serial No. 223,375.

DURABLE
QUALITY
ALL WOOL
PHILADELPHIA

Particular description of goods.—Knitted Jackets, Vests and Sweaters.
Claims use since May 1, 1919.

214,700. (CLASS 39. CLOTHING.) THE FASHION CENTER, Glendale, Calif. Filed Sept. 30, 1925. Serial No. 221,004.

The Fashion Center Inc.

Particular description of goods.—Women's Ready-Made Hats, Coats, Cloaks, Suits, Dresses, Hosiery, and Knitted and Textile Underwear.
Claims use since on or about Sept. 22, 1922.

214,701. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) JANSEN & PRETZFELD, INC., New York, N. Y. Filed July 20, 1925. Serial No. 217,621.

CAPRI CREPE

Particular description of goods.—Silks in the Piece.
Claims use since May 14, 1925.

214,702. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HEVI-DUTY ELECTRIC COMPANY, Milwaukee, Wis. Filed May 23, 1925. Serial No. 214,795.

MULTIPLE UNIT

Particular description of goods.—Electric Furnaces.
Claims use since February, 1912.

214,703. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRE CHETELAT CO., Baltimore, Md. Filed May 23, 1925. Serial No. 214,769.

Mocka-Chocolate

Particular description of goods.—A Coffee-Flavored Chocolate Preparation for Making Table Beverages, Milk Beverages, Sauces, Icing, and Flavorings.
Claims use since May 13, 1925.

214,704. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAY R. RAYMOND, New York, N. Y. Filed May 21, 1925. Serial No. 214,687.

NO-BAT-RY

Particular description of goods.—Radio Receiving Sets and/or Parts for the Same and/or Attachments or Auxiliary Devices Pertaining to Radio Receiving Sets—Namely, Phones, Loud Speakers, and Battery Eliminators.
Claims use since Jan. 7, 1925.

214,705. (CLASS 39. CLOTHING.) HARFORD FROCKS, INC., Chicago, Ill. Filed May 20, 1925. Serial No. 214,595.

Harford Frocks

Particular description of goods.—Women's Outer Apparel—Namely, Coats, Suits, Dresses, Blouses, and Skirts.
Claims use since Mar. 1, 1925.

214,706. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PATRICK F. DENNING, doing business as Denning Manufacturing Company, Cleveland, Ohio. Filed May 9, 1925. Serial No. 214,062.

SKEE SKATES

Particular description of goods.—Snow and Ice Skates.
Claims use since about October, 1922.

214,707. (CLASS 39. CLOTHING.) HABIB FARAH, New York, N. Y. Filed Apr. 22, 1925. Serial No. 213,124.

DEAUVILLE original BEACH-SMOCK

Particular description of goods.—Bathing Cloaks.
Claims use since Feb. 15, 1925.

214,708. (CLASS 39. CLOTHING.) FRANKLIN KNITTING MILLS, INC., New York, N. Y. Filed Apr. 15, 1925. Serial No. 212,725.

FASHIONKNIT

Particular description of goods.—Knitted Cloaks, Capes; Suits for Men, Women, and Children; Dresses, Skirts, Petticoats, Bloomers, and Leggings.
Claims use since Oct. 24, 1913.

214,709. (CLASS 39. CLOTHING.) FRANKLIN KNITTING MILLS, INC., New York, N. Y. Filed Apr. 15, 1925. Serial No. 212,724.

FASHIONKNIT

Particular description of goods.—Knitted Sweaters and Vests; Coats, Hats, and Caps for Men, Women, and Children; Scarfs, Mufflers, and Putties; Gloves and Slippers Made of Fabric; and Union Suits Made of Knitted Fabric for Men, Women, and Children.
Claims use since Oct. 24, 1913.

214,710. (CLASS 39. CLOTHING.) TRABULSI KNIT FABRIC CO., New York, N. Y. Filed Apr. 10, 1925. Serial No. 212,513.

St. Moritz REEFER

Particular description of goods.—Mufflers.
Claims use since January, 1925.

214,711. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) R-B RADIO COMPANY, New York, N. Y. Filed Mar. 18, 1925. Serial No. 211,225.

PAGE 5

Particular description of goods.—Radio Parts—Namely, Condensers, Variometers, Inductance Coils, Head Phones and Loud Speakers, and Receiving Sets.
Claims use since Feb. 1, 1925.

214,712. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO SPECIALTY COMPANY, New York, N. Y. Filed Feb. 24, 1925. Serial No. 210,079.

"No-Sod-er"

Particular description of goods.—Connecters for Radio-wiring.
Claims use since Feb. 7, 1925.

214,713. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BOSCH MAGNETO CORPORATION, Springfield, Mass. Filed Jan. 27, 1925. Serial No. 208,693.

NOBATTRY

Particular description of goods.—Battery Eliminators for Radio Apparatus and Parts Thereof.
Claims use since Jan. 22, 1925.

214,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL CREAM FRIED CAKE CO., INC., New York, N. Y. Filed Mar. 29, 1924. Serial No. 194,655.

Kream Koknut Kookies

Particular description of goods.—Coconut Cookies.
Claims use since Feb. 1, 1923.

214,715. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GREIST MANUFACTURING COMPANY, New Haven, Conn. Filed Feb. 25, 1924. Serial No. 192,765.

CLAMP-LITE

Particular description of goods.—Portable Electric Lamps.
Claims use since Feb. 11, 1924.

214,716. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND RAPIDS BOOKCASE AND CHAIR CO., Hastings, Mich. Filed June 7, 1923. Serial No. 181,638.

LIFE TIME FURNITURE

Particular description of goods.—Household Furniture—Namely, Buffets, Sideboards, China Closets, Dining Tables, Gate-Leg Tables, Servers, Dining-Room Chairs, Benches, Forms, Rockers, Chairs, Settees, Library Tables, Settee-End Tables, Settee-Back Tables, Chair-Arm Tables, Folding Tables, Smoking Stands, Foot Rests, Morris Chairs, and Sewing Cabinets.
Claims use since March, 1911.

214,717. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OLD BEN COAL CORPORATION, Chicago, Ill. Filed Apr. 19, 1926. Serial No. 230,407.

GLEN ROGERS

Particular description of goods.—Coal.
Claims use since Sept. 1, 1920.

214,718. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. J. MUSSELMAN, Chicago, Ill. Filed Apr. 19, 1926. Serial No. 230,405.

MUSSELMAN CERTIFIED

Particular description of goods.—Radiotubes.
Claims use for not less than one year.

214,719. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ALLIED PIANO MANUFACTURERS, INC., Brooklyn, N. Y. Filed Mar. 20, 1926. Serial No. 228,882.

METZ

Particular description of goods.—Pianos.
Claims use since March, 1925.

214,720. (CLASS 31. FILTERS AND REFRIGERATORS.) J. G. CHERRY COMPANY, Cedar Rapids, Iowa. Filed May 5, 1926. Serial No. 231,140.

CHERRY

Particular description of goods.—Ice-Cream Freezers.
Claims use since Jan. 1, 1923.

214,721. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ALLIED PIANO MANUFACTURERS, INC., Brooklyn, N. Y. Filed Mar. 20, 1926. Serial No. 228,881.

TOKAY

Particular description of goods.—Pianos.
Claims use since Aug. 5, 1924.

214,722. (CLASS 5. ADHESIVES.) JAMES H. BRODHEAD, doing business as The Mighty Mender Co., Kittanning, Pa. Filed Mar. 18, 1926. Serial No. 228,798.

MIGHTY MENDER

Particular description of goods.—A Liquid Adhesive Which is Used for Mending Various Articles of Merchandise.
Claims use since 1910.

214,723. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Mar. 11, 1926. Serial No. 228,487.

Year Round

Particular description of goods.—Topcoats Made Only of Wool or Worsted Material, for Men, Youths, and Boys.
Claims use since about May, 1921.

214,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CELLAS', INC., New York, N. Y. Filed Feb. 26, 1926. Serial No. 227,827.

Particular description of goods.—Hors D'œuvres—Namely, Relishes Consisting of Canned Fish, Canned Vegetables, Olives, and Pimentos.
Claims use since March, 1925.

214,725. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) IDEAL SPECIALTY CO., Brooklyn, N. Y. Filed Feb. 24, 1926. Serial No. 227,745.

"Hold-Tite"

Particular description of goods.—Ironing-Board Pads and Covers.
Claims use since on or about Jan. 15, 1920.

214,726. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WICKS PIPE ORGAN CO., Highland, Ill. Filed Feb. 6, 1926. Serial No. 226,990.

DIRECT-ELECTRIC

Particular description of goods.—Pipe Organs.
Claims use since September, 1916.

214,727. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EXHIBITORS SUPPLY COMPANY INC., Chicago, Ill. Filed Feb. 1, 1926. Serial No. 226,717.

AISLELITE

Particular description of goods.—Electric Floor-Lighting Lamps.
Claims use since about December, 1919.

214,728. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) HENRY A. RITCHIE & CO., New York, N. Y. Filed Jan. 25, 1926. Serial No. 226,375.

Lock-twist

Particular description of goods.—Woolen Cloth in the Piece.
Claims use since Dec. 1, 1924.

214,729. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO RECEPTOR COMPANY, INC., New York, N. Y. Filed Jan. 20, 1926. Serial No. 226,158.

SUPERPOWR

Particular description of goods.—Radio Receiving Equipment and Parts Thereof Consisting of Radio Sets, Complete Kits for Making Radio Receiving Sets, and Parts for Radio Receiving Sets, Consisting of Condensers, Transformers, Coils, Plugs, Jacks, and Sockets.
Claims use since Feb. 1, 1925.

TRADE-MARK REGISTRATIONS RENEWED

53,185. WALL TIES. Registered May 29, 1906. JESSE PRESCOTT, doing business as J. B. Prescott & Son, Webster, Mass. Renewed May 29, 1926.

54,654. COTTON THREAD OF ALL KINDS. Registered June 26, 1906. THE CLARK THREAD COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed June 26, 1926.

54,984. COTTON THREAD OF ALL KINDS. Registered August 7, 1906. THE CLARK THREAD COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed August 7, 1926.

56,110. VAMPING THREAD. Registered August 28, 1906. THE CLARK THREAD COMPANY, Newark, N. J., a Corporation of New Jersey. Renewed August 28, 1926.

56,318. A SALVE FOR TREATMENT OF BOILS AND CARBUNCLES. Registered September 11, 1906. THE CARBOIL SALVE CO., Fayetteville, Tenn. Renewed September 11, 1926, to Mary Britt, Franklin and Nashville, Tenn., assignee.

56,790. CLAY DUCTS AND CONDUITS. Registered October 16, 1906. THE H. B. CAMP COMPANY, Greentown, Ohio. Renewed October 16, 1926, to National Fire Proofing Company, Pittsburgh, Pa., a Corporation of Pennsylvania, successor.

56,958. GINGHAMS. Registered October 30, 1906. HIGHLAND PARK MANUFACTURING COMPANY, Charlotte, N. C., and Rock Hill, S. C. Renewed October 30, 1926, to Highland Park Mfg. Co., Charlotte, N. C., a Corporation of North Carolina.

56,959. GINGHAMS. Registered October 30, 1906. HIGHLAND PARK MANUFACTURING COMPANY, Charlotte, N. C., and Rock Hill, S. C. Renewed October 30, 1926, to Highland Park Mfg. Co., Charlotte, N. C., a Corporation of North Carolina.

57,022. PENHOLDERS. Registered October 30, 1906. EBERHARD FABER, New York, N. Y. Renewed October 30, 1926, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

57,308. KERSEY AND CASSIMERE. Registered November 13, 1906. W. J. DICKEY & SONS, INCORPORATED, Wilmington, Del. Renewed November 13, 1926, to W. J. Dickey & Sons, Incorporated, Oella, Md., a Corporation of Delaware.

57,357. A DAILY NEWSPAPER. Registered November 13, 1906. NEW ENGLAND NEWSPAPER PUBLISHING COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed November 13, 1926.

57,416. CERTAIN NAMED BEVERAGES, JUICES, SIRUPS, AND EXTRACTS. Registered November 13, 1906. CHESTERMAN COMPANY, Sioux City, Iowa, a Corporation of Iowa. Renewed November 13, 1926.

LABELS

REGISTERED JUNE 29, 1926.

30,539.—*Title:* COUNTRY LAD. For Blend of Corn Sirup, Molasses, and Pure Country Sorghum. AMERICAN SYRUP AND SORGHUM CO., St. Louis, Mo. Published May 1, 1926.

30,540.—*Title:* RADIO. For Candy. THE AROMINT MFG. COMPANY, Cincinnati, Ohio. Published December 6, 1922.

30,541.—*Title:* DINTY MOORE. For Candy. THE AROMINT MFG. COMPANY, Cincinnati, Ohio. Published December 6, 1922.

30,542.—*Title:* PEARL-MINT TOOTH PASTE. For Tooth Paste. ASSOCIATED DENTAL PRODUCTS, INC., New York, N. Y. Published May 14, 1925.

30,543.—*Title:* ONE OF THE 401 PRODUCTS OF A. D. P. For Tooth Paste. ASSOCIATED DENTAL PRODUCTS, INC., New York, N. Y. Published May 14, 1925.

30,544.—*Title:* VERMIN-NITE. For Insect Spray. LEONARD BERGSTEIN, doing business as Len-May Laboratory, Detroit, Mich. Published May 5, 1926.

30,545.—*Title:* J. P. BERRINGER HOME BRAND. For Bacon. JOHN P. BERRINGER, Dickinson, N. Dak. Published April 1, 1925.

30,546.—*Title:* J. P. BERRINGER HOME BRAND. For Skinned Hams. JOHN P. BERRINGER, Dickinson, N. Dak. Published April 1, 1925.

30,547.—*Title:* J. P. BERRINGER HOME BRAND. For Picnic Hams. JOHN P. BERRINGER, Dickinson, N. Dak. Published April 1, 1925.

30,548.—*Title:* I OBS' PE-KON CANDIES. For Candy. OBBS' CANDY CO., Albany, Ga. Published May 14, 1926.

30,549.—*Title:* FISHER BOY. For Canned Salmon. BOOTH FISHERIES COMPANY, Chicago, Ill. Published May 1, 1926.

30,550.—*Title:* UNCLE NED NUF SAID. For Candy Bars. CENTRAL CANDY CO., Waco, Tex. Published January 2, 1926.

30,551.—*Title:* CLAIREMONT EXTRAS. For Eggs. CLAIREMONT STERILIZED EGG CO., Chicago, Ill. Published April 26, 1926.

30,552.—*Title:* DILLON. For Cigars. DILLON CIGAR COMPANY, Miami, Fla. Published April 14, 1926.

30,553.—*Title:* EAGLE RED LEAD. For Red Lead. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill. Published April 8, 1926.

30,554.—*Title:* EAGLE LITHARGE. For Litharge. THE EAGLE-PICHER LEAD COMPANY, Chicago, Ill. Published April 8, 1926.

30,555.—*Title:* THE SYMBOL OF SUPREME QUALITY IN WOOLEN FABRICS. For Woolen Fabrics. JULIUS FORSTMANN & CO. INC., Passaic, N. J. Published January 30, 1926.

30,556.—*Title:* MARINE SPRATS. For Canned Sprats. HELLER BROTHERS IMPORTING CO., INC., doing business as Vita Fish Preserving Works, New York, N. Y. Published April 28, 1926.

30,557.—*Title:* NO-BLE. For Malt Extract. HIGH-TEST MALT EXTRACT CO., Chicago, Ill. Published May 1, 1926.

30,558.—*Title:* WATCH THEM GROW. For a Tonic Preparation for Poultry and Pigs. JERRY M. HUDSON, Sanborn, N. Y. Published May 3, 1926.

30,559.—*Title:* SALLY LEE. For Sausages. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,560.—*Title:* SALLY LEE. For Sliced Bacon. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,561.—*Title:* SALLY LEE. For Cooked Skinned Ham. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,562.—*Title:* SALLY LEE. For Cooked Ham. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,563.—*Title:* SALLY LEE. For Bacon. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,564.—*Title:* SALLY LEE. For Ham. INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Published May 1, 1926.

30,565.—*Title:* JOLLY BOY. For a Soft Drink. JACKSON BREWING COMPANY, New Orleans, La. Published January 1, 1926.

30,566.—*Title:* THE ORIGINAL FRUMINT CHEWING GUM. For Chewing Gum. VERNE P. KAUB, Fond du Lac, Wis. Published May 6, 1926.

30,567.—*Title:* PUSS-IN-BOOTS. For Peas. THE LARSEN COMPANY, Green Bay, Wis. Published May 1, 1926.

30,568.—*Title:* ARGUTO. For Machine Bearings. NORMAN MELLOR, doing business as Arguto Oilless Bearing Company, Philadelphia, Pa. Published May 12, 1926.

30,569.—*Title:* IODEX (IODINE) SKIN SOAP—PHYSICIAN'S SAMPLE. For a Medicated Soap. MENLEY & JAMES LIMITED NEW YORK, New York, N. Y. Published February 15, 1926.

30,570.—*Title:* IODEX SKIN SOAP. For Medicated Soaps. MENLEY & JAMES LIMITED NEW YORK, New York, N. Y. Published February 15, 1926.

30,571.—*Title:* RIDZ. For Insect Spray. MIDWAY CHEMICAL COMPANY, Chicago, Ill. Published April 28, 1926.

30,572.—*Title:* EM BEE SCALP RUB. For Hair Tonic. MILLER BROTHERS, Brooklyn, N. Y. Published January 5, 1926.

30,573.—*Title:* 500 MILLS' MINT BALLS. For Confectionery. MILLS NOVELTY CO., Chicago, Ill. Published April 21, 1926.

30,574.—*Title:* PETERSON'S EATSUM SWEDISH STYLE HEALTH WAFERS. For Biscuits, Crackers, Wafers, and Cakes. MRS. L. M. PETERSON & CO. INC., Brooklyn, N. Y. Published January 1, 1919.

30,575.—*Title:* PETERSON'S EATSUM SWEDISH STYLE MILK WAFER. For Biscuits, Crackers, Wafers, and Cakes. MRS. L. M. PETERSON & CO. INC., Brooklyn, N. Y. Published January 1, 1919.

30,576.—*Title:* PETERSON'S EATSUM MILK WAFERS. For Biscuits, Crackers, Wafers, and Cakes. MRS. L. M. PETERSON & CO. INC., Brooklyn, N. Y. Published January 1, 1919.

30,577.—*Title:* CHAMPION. For Pale Ginger Ale. PHILLIPS BROTHERS, Baltimore, Md. Published April 15, 1926.

30,578.—*Title:* CHAMPION. For Pale Ginger Ale. PHILLIPS BROTHERS, Baltimore, Md. Published April 15, 1926.

30,579.—*Title:* RY-KRISP. For Health Bread. THE RY-KRISP COMPANY, Minneapolis, Minn. Published May 17, 1926.

30,580.—*Title:* BIT-O-HONEY. For Candy. SCHUTTER-JOHNSON CANDY COMPANY, Chicago, Ill. Published May 26, 1926.

30,581.—*Title:* STALEY'S SALAD AND COOKING OIL. For Edible Oils. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Published April 20, 1926.

30,582.—*Title:* TOMATOES. For Canned Tomatoes. CHAS. G. SUMMERS, JR. INC., Baltimore, Md. Published August 1, 1925.

30,583.—*Title:* KING BALANCED RING. For Metallic Packing Rings. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa. Published May 22, 1926.

30,584.—*Title:* KING BALANCED RING. For Metallic Packing Rings. THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa. Published May 22, 1926.

30,585.—*Title:* TAVERN. For Malt Sirup. AUG. WAGNER COMMISSION CO., St. Louis, Mo. Published April 10, 1926.

30,586.—*Title:* SANTA CLAUS STATIONERY. For Stationery and Envelopes. WHITE AND WYCKOFF MFG. CO., Riverside Station, Holyoke, Mass. Published March 22, 1926.

PRINTS

REGISTERED JUNE 29, 1926.

8,915.—*Title:* WHAT'S BACK OF THAT B. V. D. LABEL? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 1, 1926.

8,916.—*Title.* DON'T FORGET. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 28, 1926.

8,917.—*Title:* HIS FISH STORY. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 1, 1926.

8,918.—*Title:* DOES YOUR UNDERWEAR MEET THIS TEST? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 1, 1926.

8,919.—*Title:* IT WON'T RUB OFF. For Berryloid Lacquer Finish. BERRY BROS. INC., Detroit, Mich. Published April 5, 1926.

8,920.—*Title:* THIS BOX IS TRIPLE-WRAPPED AND TRIPLE-SEALED—NO OTHER CEREAL IS SO SAFEGUARDED FROM OUTER CONTAMINATIONS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 15, 1926.

8,921.—*Title:* A TEMPTING NEW DISH FOR YOUR SUMMER MENUS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 1, 1926.

8,922.—*Title:* FOR YOUR CAR THE SAME GOOD LAMPS YOU USE AT HOME. For Edison Mazda Lamps. EDISON LAMP WORKS OF GENERAL ELECTRIC CO., Harrison, N. J. Published March 24, 1926.

8,923.—*Title:* WORLD'S CHAMPION COOLER! For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published April 24, 1926.

8,924.—*Title:* TAKE THE SIZZLE OUT OF THE SUN. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published May 15, 1926.

8,925.—*Title:* UNKNOWN BEAUTY. For Toilet Goods. HOUSE OF TRE-JUR, INC., New York, N. Y. Published March 12, 1926.

8,926.—*Title:* JELL-O ICE CREAM POWDER. For Jell-O Ice-Cream Powder. JELL-O COMPANY, New York, N. Y. Published March 4, 1926.

8,927.—*Title:* CLEAN TEETH — BETTER HEALTH. For Ny-Denta Tooth Paste. NYAL COMPANY, Detroit, Mich. Published April 1, 1926.

8,928.—*Title:* CLEAN TEETH—NEVER DECAY. For Ny-Denta Tooth Paste. NYAL COMPANY, Detroit, Mich. Published April 1, 1926.

8,929.—*Title:* FOR WHITE TEETH AND A CLEAN SWEET MOUTH. For Ny-Denta Tooth Paste. NYAL COMPANY, Detroit, Mich. Published April 1, 1926.

8,930.—*Title:* BUNNY BUNS. For Buns. THE OLD HOMESTEAD BREAD COMPANY, Denver, Colo. Published April 7, 1926.

8,931.—*Title:* EVERY GOOD PIANO DESERVES AN OVERTON BENCH. For Piano Benches. S. E. OVERTON COMPANY, South Haven, Mich. Published March 27, 1926.

8,932.—*Title:* LA-CHIC. For Toilet Powder and Rouges. J. V. PILCHER MFG. CO., Louisville, Ky. Published April 1, 1926.

8,933.—*Title:* L'ELITE. For Toilet Powder and Rouges. J. V. PILCHER MFG. CO., Louisville, Ky. Published April 1, 1926.

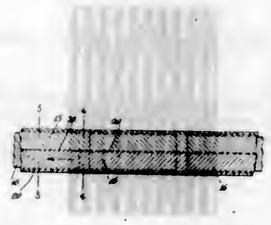
8,934.—*Title:* NO TAR ODOR. For Mange Medicine. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Published January 26, 1926.

8,935.—*Title:* HOW MUCH OF YOUR COFFEE DOLLAR BUYS QUALITY? For Coffee. REID, MURDOCH & CO., Chicago, Ill. Published May 28, 1926.

REISSUES

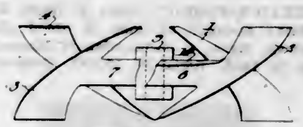
JUNE 29, 1926.

16,369. BRAKE OR CLUTCH BAND LINING. GEORGE K. GILLETTE, Pembroke, Mass. Filed Apr. 27, 1926. Serial No. 105,036. Original No. 1,492,028, dated Apr. 29, 1924, Serial No. 573,021, filed July 5, 1922. 8 Claims. (Cl. 188—259.)



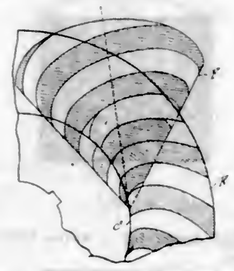
3. A brake or clutch band lining substantially as specified by claim 1, the said inner layer being composed of herring bone woven textile fabric, presenting angular surface ridges extending across said layer and obliquely in opposite directions from the longitudinal center to the edges thereof, said ridges forming oblique oil-conducting channels.

16,370. PROPELLER. ISAIAH L. ROBERTS, Columbia, Isle of Pines, Cuba, assignor of one-half to William C. Lichtenstein, Jersey City, N. J. Filed Apr. 8, 1926. Serial No. 100,748. Original No. 1,532,346, dated Apr. 7, 1925, Serial No. 258,166, filed Oct. 15, 1918. 3 Claims. (Cl. 170—167.)



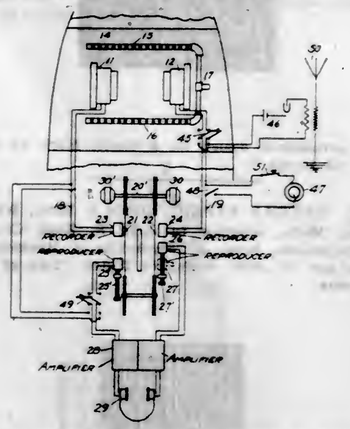
1. A propeller comprising a plurality of circumferentially and axially extending helicoidal blades and arms lying in substantially the same radial plane connecting the blades to the shaft, said arms having concaved propelling surfaces whose cords are set on pitch lines co-ordinating with the pitch lines of the helicoidal blades.

16,371. GEAR. NIKOLA TESLA, Highland Park, Mich., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 15,664. Original No. 1,465,149, dated Aug. 14, 1923, Serial No. 526,510, filed Jan. 3, 1922. 27 Claims. (Cl. 74—41.)



1. A bevel gear of a form such as might be generated by rolling a conical blank upon a crown gear, the latter having a series of teeth which are longitudinally of modified involute curvature and are non-parallel.

16,372. ACOUSTIC METHOD AND APPARATUS. REGINALD A. FESSENDEN, Chestnut Hill, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Apr. 9, 1925. Serial No. 21,992. Original No. 1,453,316, dated May 1, 1923, Serial No. 293,297, filed Apr. 28, 1919. 14 Claims. (Cl. 177—386.)



14. In a method of measuring distances by means of reflected sound impulses, comprising sending out a sound impulse, imparting a corresponding direct impulse to one receiving member, receiving the reflected impulse in another receiving system, retarding the direct impulse so as to cause its reproduction to coincide with the reflected impulse in the second named receiving system and measuring the distance by means of necessary retardation.

DESIGNS

JUNE 29, 1926.

70,462. WOVEN FABRIC OR SIMILAR ARTICLE. LEO BLUHM, New York, N. Y. Filed Mar. 17, 1926. Serial No. 16,958. Term of patent 3½ years.

The ornamental design for a woven fabric or similar article as shown.

70,463. WOVEN FABRIC OR SIMILAR ARTICLE. LEO BLUHM, New York, N. Y. Filed Mar. 17, 1926. Serial No. 16,960. Term of patent 3½ years.

The ornamental design for a woven fabric or similar article as shown.

70,464. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 20, 1926. Serial No. 17,346. Term of patent 7 years.

The ornamental design for a textile fabric, as shown.

70,465. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 20, 1926. Serial No. 17,347. Term of patent 7 years.

The ornamental design for a textile fabric, as shown.

70,466. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 20, 1926. Serial No. 17,349. Term of patent 7 years.

The ornamental design for a textile fabric, as shown.

70,467. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1926. Serial No. 17,400. Term of patent 7 years.

The ornamental design for a textile fabric, as shown.

70,468. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co., Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1926. Serial No. 17,404. Term of patent 7 years.

The ornamental design for a textile fabric, as shown.

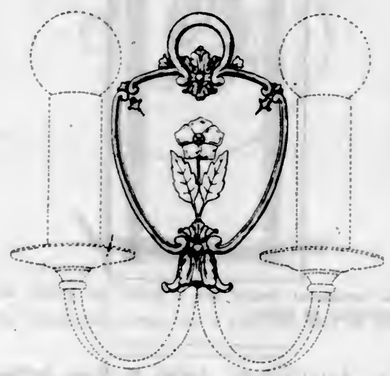
70,469. TEXTILE FABRIC. HARRY S. DAY, Hawthorne, N. J., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed May 3, 1926. Serial No. 17,543. Term of patent 7 years.

The ornamental design for a textile fabric substantially as shown.

70,470. BOX-COVER PAPER OR SIMILAR ARTICLE. JOSEF DORNBUSCH, Crefeld, Germany. Filed Apr. 26, 1926. Serial No. 17,448. Term of patent 7 years.

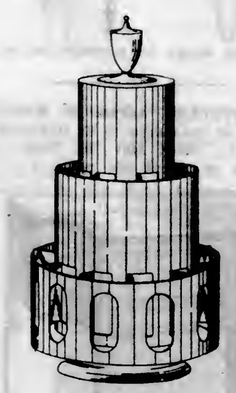
The ornamental design for box cover paper or similar article, as shown.

70,471. BACKPLATE FOR LIGHTING FIXTURES. ANTON DVORAK, Berwyn, Ill., assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 22, 1926. Serial No. 17,386. Term of patent 7 years.



The ornamental design for a backplate for lighting fixtures as shown.

70,472. DISPLAY STAND. WILLIAM J. FOGARTY, Dayton, Ohio. Filed Apr. 5, 1926. Serial No. 17,193. Term of patent 7 years.



The ornamental design for a display stand, as shown.

70,473. COVER FOR BRIDGE SCORE. CHARLES GOLDSTEIN, Chicago, Ill. Filed Mar. 27, 1926. Serial No. 17,081. Term of patent 3½ years.

The ornametal design for a cover for bridge score, substantially as shown.

70,474. RADIOTABLE. ALFRED H. HAAG, Baltimore, Md., assignor of one-fourth to E. Hayward Fairbanks, Camden, N. J. Filed Mar. 26, 1926. Serial No. 17,061. Term of patent 3½ years.

The ornamental design for a radiotable, as shown.

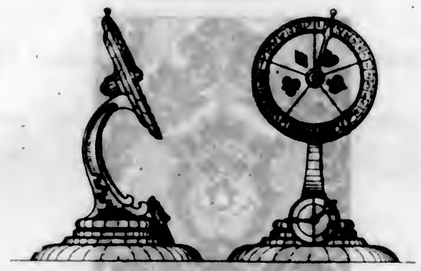
70,475. RADIOTABLE. ALFRED H. HAAG, Baltimore, Md., assignor of one-fourth to E. Hayward Fairbanks, Camden, N. J. Filed Mar. 26, 1926. Serial No. 17,062. Term of patent 3½ years.

The ornamental design for a radiotable, as shown.

70,476. TUMBLER. THOMAS CLARENCE HENSEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Common Law Company. Filed Feb. 13, 1926. Serial No. 16,511. Term of patent 14 years.

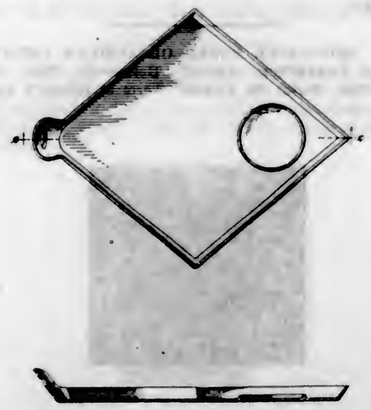
The ornamental design for a tumbler, as shown.

70,477. WHIST INDICATOR. JOHN M. HOGAN, Omaha, Nebr. Filed Feb. 12, 1926. Serial No. 16,500. Term of patent 3½ years.



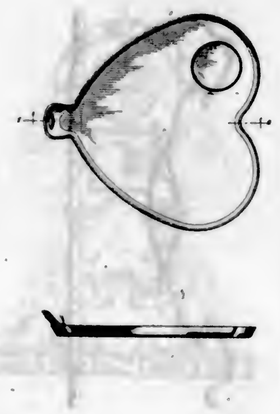
The ornamental design for a whist indicator, as shown.

70,478. SANDWICH TRAY. OSCAR KOPEL, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,972. Term of patent 7 years.



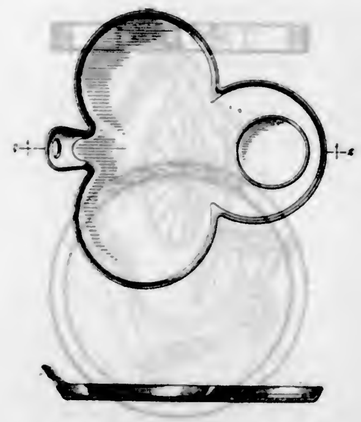
The ornamental design for a sandwich tray as shown.

70,479. SANDWICH TRAY. OSCAR KOPEL, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,973. Term of patent 7 years.



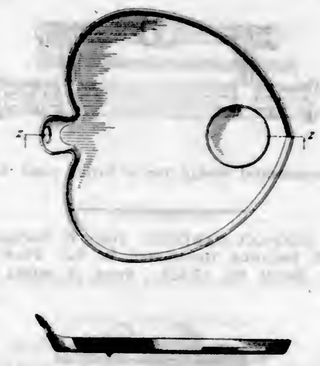
The ornamental design for a sandwich tray as shown.

70,480. SANDWICH TRAY. OSCAR KOPEL, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,974. Term of patent 7 years.



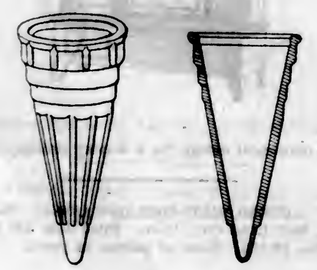
The ornamental design for a sandwich tray as shown.

70,481. SANDWICH TRAY. OSCAR KOPEL, New York, N. Y. Filed Mar. 18, 1926. Serial No. 16,975. Term of patent 7 years.



The ornamental design for a sandwich tray as shown.

70,482. ICE-CREAM CONE. LEWIS H. LANIER, Newport, Ky., assignor to The French Brothers Bauer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 28, 1926. Serial No. 17,497. Term of patent 14 years.

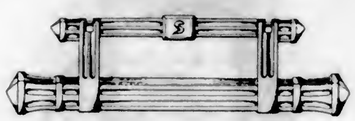


The ornamental design for an ice cream cone, as shown.

70,483. PILE FABRIC. JOHN LEIPER, New York Mills, N. Y., assignor to New York Mills Corporation, New York Mills, N. Y., a Corporation of New York. Filed Mar. 11, 1926. Serial No. 16,879. Term of patent 7 years.

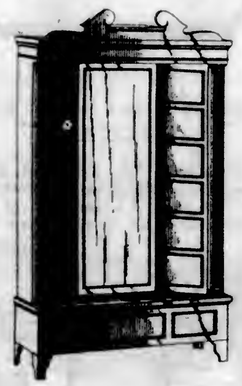
The ornamental design for a pile fabric as shown.

70,484. BURIAL-VAULT HANDLE. DON D. MYERS, Toledo, Ohio, assignor to The Sozonian Burial Vault Company, a Corporation of Ohio. Filed Mar. 15, 1926. Serial No. 16,921. Term of patent 14 years.



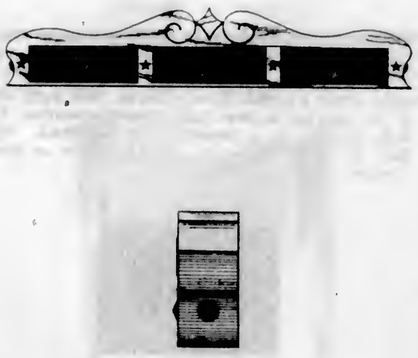
The ornamental design for a burial vault handle as shown.

70,485. DISPLAY CABINET. JOHN P. NECESSARY and GUY E. SHINKLE, Huntington, W. Va. Filed Apr. 30, 1926. Serial No. 17,525. Term of patent 7 years.



The ornamental design for a display cabinet, as shown.

70,486. AUTOMOBILE SIGNAL CASING. JOHN NORDGRAN, Salt Lake City, Utah. Filed Jan. 18, 1926. Serial No. 16,152. Term of patent 14 years.

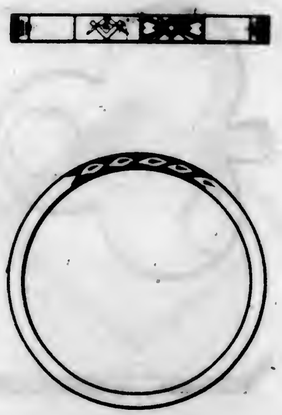


The ornamental design for an automobile signal casing, substantially as shown.

70,487. BRACE FOR LIGHTING FIXTURES. ADOLPH SCHMITT, Bogota, N. J., assignor to Royal Metal Lighting Fixture Co., Inc., a Corporation of New York. Filed Apr. 16, 1926. Serial No. 17,320. Term of patent 3½ years.

The ornamental design for a brace for lighting fixtures, as shown.

70,488. WEDDING RING (MASONIC). DANIEL D. SCHRAGER and RUDY N. SCHRAGER, Chicago, Ill. Filed Jan. 30, 1926. Serial No. 16,351. Term of patent 3½ years.



The ornamental design for a wedding ring (Masonic), as shown.

70,489. BADGE. WILLIAM J. SIMMONS, Atlanta, Ga., assignor to Knights of The Ku Klux Klan, Atlanta, Ga., a Corporation of Georgia. Filed May 25, 1925. Serial No. 13,563. Term of patent 14 years.

The ornamental design for a badge, as shown.

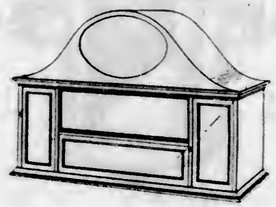
70,490. LIGHTING-FIXTURE BRACKET. PAUL SIPTROTT, New York, N. Y., assignor to Lighting Appliance Co. Inc., a Corporation of New York. Filed May 8, 1926. Serial No. 17,609. Term of patent 3½ years.

The ornamental design for a lighting fixture bracket as shown.

70,491. BRACELET OR SIMILAR ARTICLE. EZRA S. SMITH, Attleboro, Mass., assignor to R. F. Simmons Company, a Copartnership consisting of Joseph L. Sweet and Harold E. Sweet, Attleboro, Mass. Filed Apr. 9, 1926. Serial No. 17,232. Term of patent 3½ years.

The ornamental design for a bracelet or similar article as shown.

70,492. SOUND-REPRODUCING CABINET. ALFRED R. SWEARINGEN, Lakewood, Ohio, assignor of one-half to Bernard C. Lizenby, Columbus, Ohio. Filed May 18, 1925. Serial No. 13,483. Term of patent 3½ years.



The ornamental design for a sound reproducing cabinet as shown.

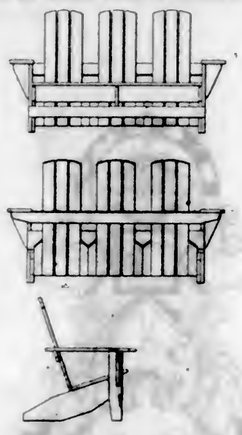
70,493. FINGER RING. JACOB WAX, Brooklyn, N. Y. Filed Feb. 21, 1925. Serial No. 12,452. Term of patent 3½ years.

The ornamental design for a finger ring as shown.

70,494. VANITY CASE OR SIMILAR ARTICLE. FRANK M. WOJCIECHOWSKI, Attleboro, Mass., assignor to Marathon Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 3, 1926. Serial No. 17,175. Term of patent 7 years.

The ornamental design for a vanity case or similar article substantially as shown.

70,495. CHAIR SETTEE. ISABELLE KERN WURDACK, Normandy, Mo. Filed June 1, 1925. Serial No. 13,610. Term of patent 14 years.

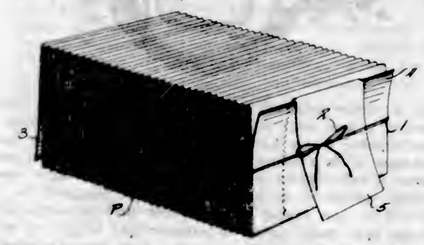


The ornamental design for a chair settee, as shown.

PATENTS

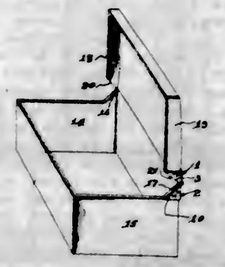
GRANTED JUNE 29, 1926.

1,590,176. BAG PACKAGE. WILLIAM O. ALBIG, Adrian, Mich. Filed Dec. 17, 1925. Serial No. 76,023. 1 Claim. (Cl. 206—57.)



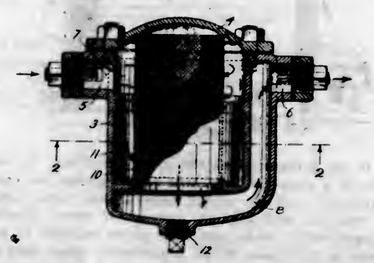
A container package for use in a dispensing body having a delivery opening in its front wall through which the containers are withdrawn and wherein a follower spring is placed under compression when the package is applied within the body to force the package toward the discharge end of the body, said package comprising a plurality of folded containers, a leaf of one container extending between the leaves of adjacent containers, the folded edges of the containers being comprised in the upper and lower faces of the package when the package is applied within the dispensing body, a flexible member disposed around the package and over the unfolded edges of the package, the extremities of the flexible member being tied at the front end of the package when applied within the body, the outer leaf at the rear end of the package overlying the portion of the flexible member extending across the rear end of the package to provide a shield on the rear portion of the flexible member when the package is first applied within the body and with which the follower spring directly contacts, the tied extremities of the flexible member being readily accessible when the package is initially applied through the delivery opening in the front wall of the body.

1,590,177. HINGE. ADAM ANDREOTTI, San Francisco, Calif. Filed July 11, 1925. Serial No. 42,968. 2 Claims. (Cl. 16—167.)



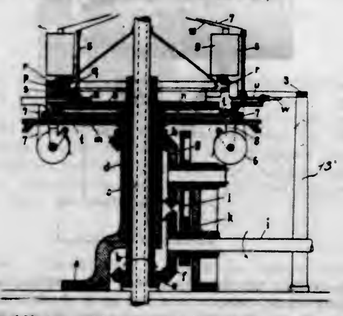
2. In a trunk hinge in combination, upper and lower members, the upper member comprising a plate having bent over sides at right angles to the said plate, the lower edge of the bent over side cut substantially at an angle of 45 degrees with the face of the said plate, the lower member comprising a plate having a bent over side at right angles to the second mentioned plate, the upper edge of the last mentioned bent over side cut substantially at an angle of 45 degrees with the face of the last mentioned plate, co-operating ears integral with both of said plates, a pintle for joining the upper and lower members together, the meeting edges of the said bent over sides being at an angle of 45 degrees with the top face of the said upper member, the apex of the said angle being at the central axis of the said pintle, the upper member having two ears and a curved portion which acts as a stop and the lower member having one ear which is adapted to fit between the first mentioned ears and underneath the said curved portion.

1,590,178. STRAINING PRIMER FOR PUMPS. CARL E. ANDERSON, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed Aug. 30, 1924. Serial No. 735,067. 2 Claims. (Cl. 210—165.)



1. A straining primer for pumps comprising a casing having intake and outlet ports near its top and provided with an apertured wall dividing its interior into an intake chamber in communication with said intake port and an outlet chamber in communication with said outlet port, a removable cylindrical strainer interposed between the top and bottom of said intake chamber in the path of liquid flow from said intake chamber through said apertured wall to said outlet chamber, and an annular receptacle for foreign matter surrounding and secured to and removable with said strainer.

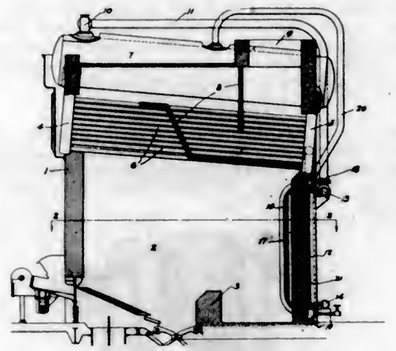
1,590,179. BRAIDING OR PLAITING MACHINE. ADOLF BAEGE, Berlin-Obershoneweide, Germany. Filed Sept. 21, 1925, Serial No. 57,787, and in Germany Oct. 13, 1924. 5 Claims. (Cl. 96—5.)



1. A braiding machine comprising two groups of spools rotating round the braiding centre of the machine with the same velocity but in different directions, slides moved

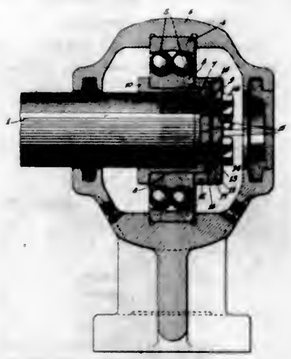
radially to the axis of the machine, thread guides on said slides, said radially moved slides being adapted to beat the threads coming from one of said groups of spools between the spools of the other of said groups, a driving lever for moving each of said radially moved slides, a stationary ring, surrounding the body of the machine, and cam surfaces on said ring for actuating said driving levers.

1,590,180. RADIANT SUPERHEATER. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,418. 3 Claims. (Cl. 122—471.)



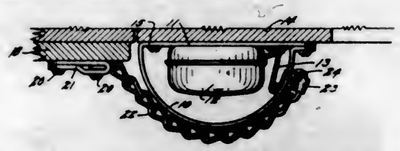
1. In an apparatus of the class described, the combination of a furnace, a radiant type superheater comprising parallel vertical alined superheater tubes adjacent to a wall of said furnace and water tubes parallel to the superheater tubes and in a plane parallel to and in advance of the plane of the superheater tubes, said superheater tubes being so located relatively to the water tubes and to the furnace that they are exposed to direct radiant heat from said furnace.

1,590,181. ANTIFRICTION-BEARING MOUNTING. HAROLD E. BRUNNER, Larchmont, N. Y., assignor to The Skayef Ball Bearing Company, a Corporation of Connecticut. Filed Feb. 27, 1923. Serial No. 621,511. 6 Claims. (Cl. 308—189.)



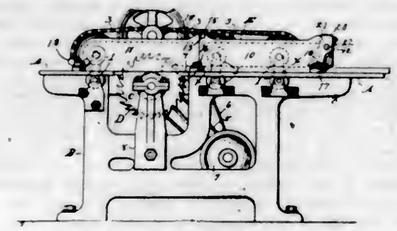
1. A ferrule or thimble having a portion constructed and adapted to embrace the end of a shaft with a sliding fit and constituting a seat for the inner ring of an anti-friction bearing, said ferrule or thimble and said shaft being each of substantially the same diameter throughout, and there being a flange or abutment on said ferrule or thimble inwardly of the said bearing seat and a portion for engaging the end face of the shaft.

1,590,182. BURGLAR ALARM AND LIMITED MOVEMENT LOCK FOR DOORS. CLEVELAND WALTER COLE, Denver, Colo. Filed Jan. 28, 1926. Serial No. 84,301. 2 Claims. (Cl. 116—14.)



2. A device adapted to give an audible signal upon opening a door and to limit said opening, comprising a semi-circular frame having slots formed therein a base arranged to be attached to said door; and support said frame, a bell carried within said frame; a trigger operatively connected to said bell; means arranged to be secured to the casing of said door and to detachably engage said frame so as to actuate said trigger at predetermined positions of said door, said means comprising a plate secured to said casing; a chain secured to said plate; and a key carried on the extremity of said chain and arranged to travel in said slots in said frame.

1,590,183. GUARD FOR SAWING MACHINES AND PLANERS. LEON L. CRANE, Battle Creek, Mich. Filed Jan. 20, 1925. Serial No. 3,603. 2 Claims. (Cl. 143—159.)

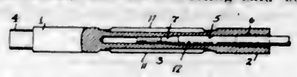


1. The combination with a saw table and a saw operative through said table, of a guard comprising a sectional housing detachably fitted to said table and adapted to direct lumber in a path to said saw, one section of said housing being attached to said saw table immediately forward of said saw, the other section adapted to abut said first section and to cover said saw, said sections being hinged at their abutting ends in such manner that the section covering said saw will swing up and lie on said first section, said first section having a mouth opening, a pivotal support suspended across said mouth opening between the sides of said housing, pivotal guards suspended side by side on said support and adapted to engage said table, a stop formed by the end top of said housing adapted to engage the upper inner ends of said finger guards and prevent said fingers from swinging backward on their pivotal support, and to permit said fingers to swing inwardly when a board or other material is thrust into said mouth opening, substantially as, and for the purpose set forth.

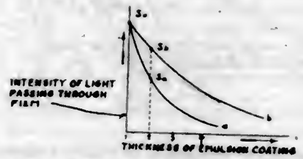
1,590,184. METHOD OF MAKING REAMERS. JOSEPH V. EMMONS, Shaker Heights, Ohio, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 25, 1925. Serial No. 39,531. 2 Claims. (Cl. 76—101.)

1. In a method of making a spiral flute expansion reamer, the steps which consist in providing a central

bore and longitudinally extending slots and flutes in the reamer body, the requisite operations being performed in any desired order, and then twisting said body to impart the desired spiral angle to such slots and flutes, a mandrel being inserted in such bore as and for the purpose described.

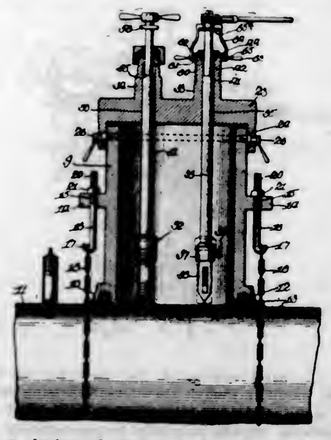


1,590,185. LIGHT SOURCE AND LIGHT-SENSITIVE COATING FOR PHONOCINEMATOGRAPHY. JOSEF ENGL, Grunewald, HANS VOGT, Berlin-Schoneberg, and JOSEPH MASSOLLE, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921, Serial No. 458,634, and in Germany Dec. 22, 1919. 6 Claims. (Cl. 179—100.)



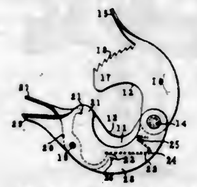
1. In sound reproducing apparatus, the combination of a source of light, a light-sensitive cell, and a transparent film having a sensitive emulsion coating thereon, movable between the light-source and cell said coating having a photographic sound record of varying light-permeability formed thereon; said source being adapted to emit rays of greatest intensity at one part of the spectrum, said cell having a light-sensitive element which is most sensitive to such rays, and the coating on the film being of such character as to be more absorptive of such rays than of light rays at other parts of the spectrum.

1,590,186. DEVICE FOR MAKING TAP CONNECTIONS TO WATER MAINS. JOHN F. FANSELOW, Chicago, Ill. Filed July 28, 1924. Serial No. 728,575. 3 Claims. (Cl. 77—39.)



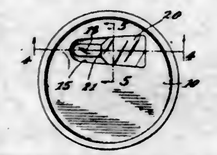
1. In a device of the character described, the combination of a casing consisting of a substantially cylindrical wall having open ends, means for securing one end of the casing against a water main, a head rotatably mounted on the other end of said casing and having an annular wall extending towards the main and disposed adjacent the casing wall, means mounted in the head and extending through the casing for drilling a hole in the main, means also mounted in the head for inserting a bolt in the hole, one of said walls being provided with an annular groove, and means mounted in the other wall and extending into said groove for shifting the head axially into fluid-tight engagement with the said other end of the casing.

1,590,187. CLIP. ERNEST O. FREDERICS, New York, N. Y., assignor to E. Frederics, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 3, 1925. Serial No. 6,531. 6 Claims. (Cl. 132—31.)



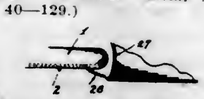
1. A clip including a pair of pivotally connected jaws, means to lock said jaws in gripping position, and a pair of radial handle members carried by one of said jaws and movable one toward the other to release said locking means.

1,590,188. SOUNDING REED. LEO J. GRUBMAN, Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J., a Corporation of Delaware. Filed May 9, 1925. Serial No. 29,005. 9 Claims. (Cl. 46—46.)



1. In a sounding reed, a wall having a channel therein open at one end for the egress of sound, a sound producing element overlying the open side of said channel and having a vibratory tongue at one end impeding the ingress of air to the other end of said channel, and a retaining member for said element extending longitudinally thereon, said wall having means coacting with said retaining member to positively lock said member against longitudinal displacement relative to said tongue.

1,590,189. ADVERTISING-DISPLAY DEVICE FOR VEHICLE WHEELS. HARRY A. HAMILTON, Peoria, Ill. Filed Apr. 18, 1924. Serial No. 707,358. 1 Claim. (Cl. 40—129.)

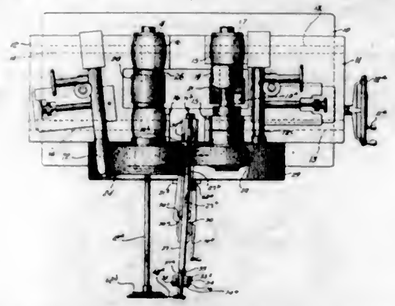


In an advertising display device, the combination with the hub cap of the wheel of a vehicle, and a part extending from the body of the vehicle, of a disc or plate journaled on the cap, the same adapted for carrying advertising display matter, and a coil spring connected at its ends to the plate and said part, said spring being disposed whereby the line of its pull lies substantially parallel with the road surface.

1,590,190. GRINDING. LEWIS R. HEIM, Danbury, Conn., assignor to The Heim Grinder Company, Danbury, Conn., a Corporation of Connecticut. Filed Oct. 20, 1923. Serial No. 669,651. 33 Claims. (Cl. 51—87.)

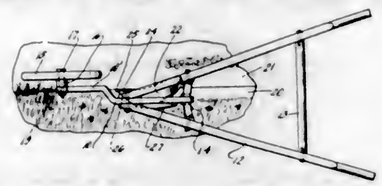
1. In apparatus of the character described, in combination, a pair of abrasive wheels adapted for simultaneous

rotating and grinding action upon work of round section supported therebetween, means for supporting work of round section in operative relation to said wheels comprising a carrier member positioned between said wheels



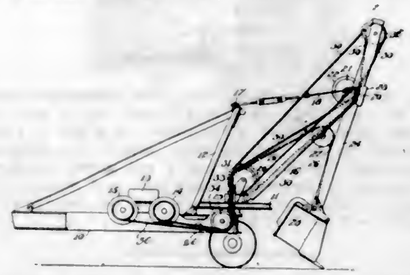
for supporting one portion of the work and a member positioned exteriorly of said wheels for supporting another portion of the work, and means for limiting movement of the work in the direction of its length.

1,590,191. PLOW. GEORGE W. HOLLANDSWORTH, Knox, Ind. Filed Nov. 26, 1923. Serial No. 677,143. 3 Claims. (Cl. 97—227.)



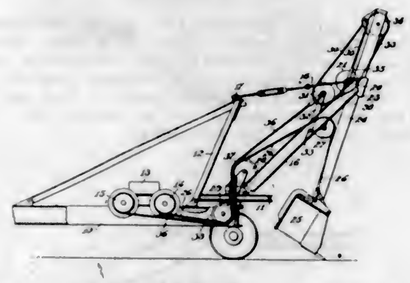
3. A plow comprising a frame with a depending bar and a beam with an offset front part, a cultivator shovel and a side-walk plow both having channel means thereon for interchangeably mounting them on said bar, and a wheel with an integral side hub arranged for mounting it centrally on said beam for use with said cultivator shovel, or for mounting it on the offset side of said beam to travel on the side-walk for use with said side-walk plow.

1,590,192. EXCAVATOR. ARTHUR M. HOOD, Indianapolis, Ind. Filed Jan. 8, 1925. Serial No. 1,137. 12 Claims. (Cl. 214—135.)



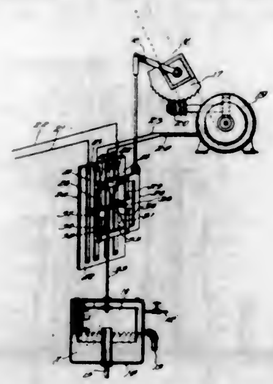
1. In an excavator, a boom, a dipper handle swingably and slidably mounted on said boom, a thrusting and lifting cable attached to the inner end of said handle and passed from thence around a sheave at the inner end of the boom, thence around a sheave further out on the boom, thence around a sheave at the inner end of the handle, thence around a second sheave on the boom, and thence to a winding drum, and means engaging the dipper handle to resist outward crowd and to shift the handle longitudinally inwardly.

1,590,193. EXCAVATOR. ARTHUR M. HOOD, Indianapolis, Ind. Filed Jan. 8, 1925. Serial No. 1,138. 6 Claims. (Cl. 214—135.)



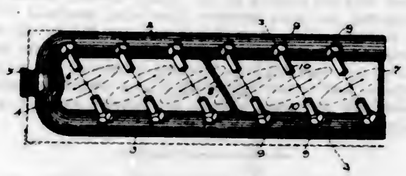
1. An excavator comprising a boom, a dipper handle slidably and swingably mounted upon said boom, a lifting cable anchored upon the boom and passing from thence around a sheave on the inner end of the dipper handle, thence around a sheave on the boom, thence around a snatch block and thence to an anchorage on the inner end of the dipper handle, and a connection between said snatch block and winding mechanism.

1,590,194. ELECTRICAL-CONTROL SYSTEM. CURTIS L. HOWSE, Detroit, Mich., assignor to Craig Damper Regulator Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,110. 3 Claims. (Cl. 236—15.)



1. In a control system of the character described, a reversible motor, a switch therefor comprising four fixed contact strips and two contact frames mounted to slide with refereuce thereto, one said frame carrying opposed pairs of contacts diagonally cross-connected and making sliding connection with one pair of contact strips, the other said frame carrying circuit-closing contacts making sliding contact with the other pair of contact strips movable into engagement with either contact spring of a respective pair on the other said frame, a controlling part connected with one said frame, and a motor operated controlled part connected with the other said frame.

1,590,195. GAS BURNER FOR HEATING PURPOSES. HARRY E. KERR, Cleveland, Ohio, assignor to The Cleveland Gas Burner and Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 8, 1924. Serial No. 754,541. 2 Claims. (Cl. 158—116.)

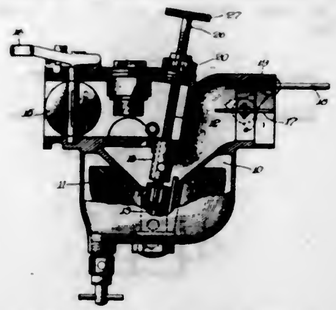


1. A gas burner for heating purposes, comprising a single cast metal manifold having straight parallel branches united by webs, and a series of tubular gas and air commingling jets mounted upon each branch and arranged in staggered relation oppositely on said branches in pairs, each pair of jets extending diagonally of the burner and projecting upwardly at an inclination toward each other to effect a commingling of separate streams of gas intermediate said branches, and all of the separate pairs of jets being parallel to produce separate sheets of flame spreading diagonally of said burner on parallel lines.

1,590,196. FLOTATION AGENT. ALBERT L. KLEES, New York, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a Corporation of Maine. Filed June 7, 1924. Serial No. 718,674. 6 Claims. (Cl. 252—9.)

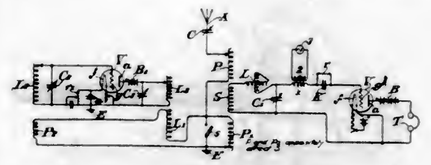
1. A flotation agent containing cyclic unsaturated hydrocarbons which are the hydrogenated and alkylated derivatives of aromatic hydrocarbons.

1,590,197. CARBURETOR THERMOSTATIC NEEDLE VALVE. TORBJÖRN LINGA, Waukegan, Ill., assignor to The Linga Company, Waukegan, Ill., a Corporation of Illinois. Filed Mar. 8, 1920. Serial No. 364,120. 1 Claim. (Cl. 297—14.)



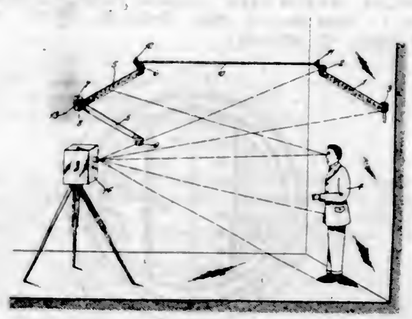
A thermostatic needle-valve construction of the character described, comprising in combination, a main-body having a head and a hollow externally screw-threaded shank, a hard-rubber rod accommodated in said shank and having a threaded connection at its inner end with said body, and a pointed valve having a screw-threaded mounting on the outer end of said rod, the bore of said shank being substantially the same as the diameter of said rod, said shank being of a length to completely enclose said rod, substantially as described.

1,590,198. RADIO SYSTEM. DAVID G. MCCAA, Lancaster, Pa., assignor to The Electric Apparatus Co., Parkesburg, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1925. Serial No. 3,281. 19 Claims. (Cl. 250—20.)



10. The combination with a path having inductances in parallel therein, of means for amplifying the energy traversing one of said inductances to vary its reactance to said energy.

1,590,199. APPARATUS FOR REPRODUCING MOTION PICTURES. GEORGE P. MCDONNELL, St. Louis, Mo. Filed Feb. 11, 1924. Serial No. 691,921. 2 Claims. (Cl. 88—24.)

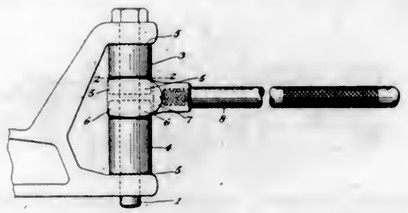


1. The combination with a projecting machine, of a film strip having written subject matter on one marginal edge thereof, and an action picture thereon, said film being adapted to be reproduced by said projecting machine, a pair of spaced screens arranged substantially on the same horizontal plane, the forward one of said screens masking an area of the other, and a portion of the area of the rearward screen being exposed beyond the forward screen, whereby the main action is received upon the forward screen and the written subject matter is projected beyond the forward screen to the rearward screen, said rearward screen being arranged substantially out of view of the audience.

1,590,200. SOCKET WRENCH. JOHN J. MCGUCKIN, Brooklyn, N. Y. Filed May 2, 1924. Serial No. 710,490. 2 Claims. (Cl. 81—120.)

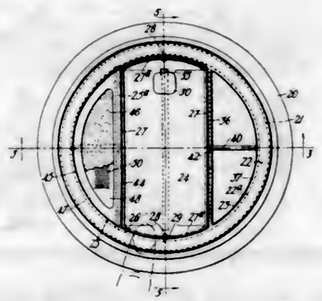
1. A wrench embodying a shank carrying a terminal with an unbroken outer wall, and having an outwardly-flaring conical cavity therein which is provided interiorly with a multiplicity of independent, uniform, integral, longitudinally disposed ribs, having inwardly extending angular edges and extending entirely around the cavity, the ribs being deflected slightly circumferentially relative to the longitudinal axis of the cavity.

1,590,201. ROTATABLE CUTTING TOOL. JOHN J. MCGUCKIN, Brooklyn, N. Y., assignor to Louis Schwab, New York, N. Y., doing business under the name of Stevens & Company. Filed Dec. 2, 1924. Serial No. 753,427. 10 Claims. (Cl. 90—12.)



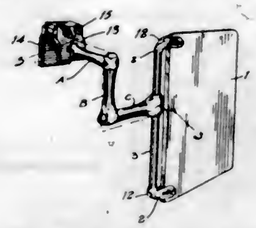
1. In a rotatable cutting tool, the combination with a spindle of separable elements mounted thereon, and unitary means for rotating such separable elements and for producing relative displacement of them axially on the spindle to force them to duty in opposite directions.

1,590,202. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed Mar. 31, 1923. Serial No. 629,012. 18 Claims. (Cl. 206—20.)



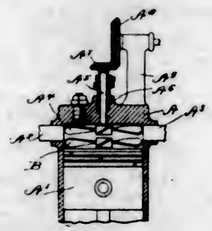
1. The combination with an ash-receiver, of a framing fitted thereto, an ash-depository upon said framing, a match-receptacle secured to said framing, and a match-striking tablet; said ash-depository, match-receptacle and match-striking tablet substantially filling said framing.

1,590,203. GLARESHIELD FOR AUTOMOBILES. NORMAN A. OLSSEN and WILLIAM IRVING JONES, Denver, Colo. Filed Jan. 31, 1925. Serial No. 5,977. 1 Claim. (Cl. 296—97.)



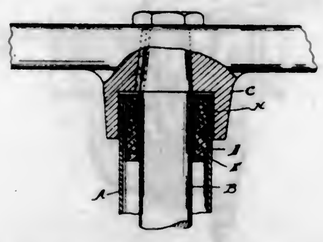
An adjustable bracket for use in connection with glare shields for automobiles, said bracket comprising in combination three elongated tubular sections, one of which has a base provided at one end with means by which it may be secured to a stationary portion of an automobile and having a transverse opening at the other end which serves as a bearing, a second tubular section having a journal at one end that is adapted to fit the bearing in the first member and a transverse bearing at the other end, means for preventing the journal of the second member to be withdrawn from the bearing in the first member, a third section of substantially the same construction as the second having its journal operatively associated with the bearing of the second member, means for preventing the third member from being separated from the second section, a U-shaped member slidable in the bearing of the third section and friction means in each section for engaging the movable portions within the bearings, said means comprising a plug slidably mounted therewithin and urged against the movable member by a compression spring.

1,590,204. INTERNAL-COMBUSTION ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921. Serial No. 441,972. 3 Claims. (Cl. 123—141.)



1. In an internal combustion engine, a combustion cylinder, a fan journaled in the top thereof and adapted to be rotated by external means, a piston, a second fan journaled in the upper part of said piston and adapted to be rotated by the combined action of the piston, the first fan and the gases within the combustion chamber.

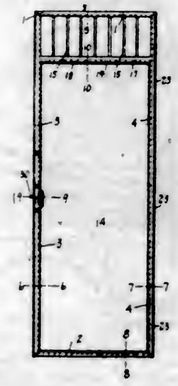
1,590,205. BUSHING FOR MOTOR-VEHICLE STEERING COLUMNS. FREDERICK H. RAGAN, Detroit, Mich., assignor, by mesne assignments, to Gemmer Manufacturing Company, a Corporation of Michigan. Filed Nov. 29, 1920. Serial No. 427,175. 6 Claims. (Cl. 74—39.)



1. In a steering gear, the combination with a stationary tubular column, and a rotatable stem therein, of a bushing forming a bearing for said stem within said column formed of a rubber body.

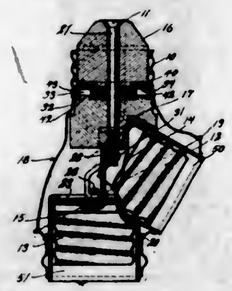
1,590,206. SHOWER-BATH DOOR. EDWIN G. REINHARDT, Cincinnati, Ohio. Filed June 2, 1922. Serial No. 565,498. 1 Claim. (Cl. 189—46.)

In a shower bath door of the class described, a metallic outside frame formed of hollow tubing lengths, said hollow tubing lengths provided with integral flanges extending therefrom, rubber gaskets and a glass panel, said glass panel fitting between the rubber gaskets, removable strips for holding the gaskets and glass panel in position, the metal flanges forming an abutment for the gaskets and panel, a grille construction at the upper end



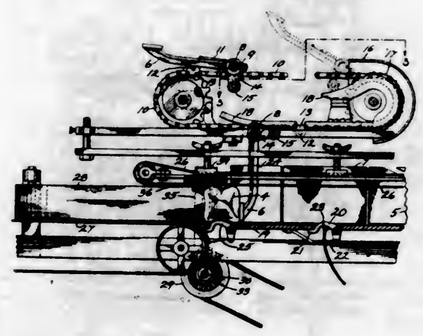
of said door and a cross piece for supporting the same, said cross piece having plates on each side thereof which extend below the said cross piece, a rubber gasket arranged between said plates and the door panel extending in to said last mentioned gasket to form a tight point.

1,590,207. TWO-WAY PLUG. BARRETT ROGERS, Berwyn, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 16, 1921. Serial No. 501,163. 6 Claims. (Cl. 173—335.)



1. A plug receptacle comprising a plug portion and a receptacle portion, said plug portion comprising a center contact and a screw shell contact, said receptacle portion comprising receptacle contacts, said screw shell contact being swiveled with respect to said receptacle portion, and transmission means between said receptacle portion and screw shell contact, whereby said receptacle portion may be used as a handle in screwing the plug portion in or out with respect to a socket, said transmission means comprising a ratchet.

1,590,208. SEALING MEANS FOR WRAPPING MACHINES. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Dec. 8, 1925. Serial No. 74,078. 9 Claims. (Cl. 93—2.)

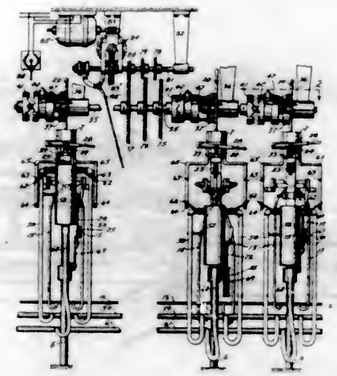


1. Sealing means for wrapping machines, comprising mechanism for forwarding an article of irregular contour enclosed within a wrapper having an overlapped seam, and means following the irregularities of of said article and pressing against said seam to seal it.

1,590,209. VALVE-GUIDE-ALIGNING TOOL. FREDERICK W. SANBORN, Jr., Denver, Colo., assignor to Allison Motors, Inc., Denver, Colo., a Corporation of Colorado. Filed May 8, 1925. Serial No. 28,864. 1 Claim. (Cl. 77—2.)

A boring tool comprising a cylinder; a flange carried by said cylinder at the lower end and at right angles to the axis thereof and having slotted openings for securing said flange to the work; a bearing secured in the upper end of said cylinder; a second bearing slidably mounted in the lower extremity of said cylinder and an enlarged conical head carried by said second bearing and arranged to project into a counter-bore at the lower end of said cylinder; a shaft slidably and rotatably passing through both of said bearings and a spring arranged to be compressed between said bearings, said cylinder acting as a guide for said conical head.

1,590,210. BRAZING MACHINE. THOMAS C. SHEEHAN, Upper Montclair, N. J., assignor to Wade & Butcher Corporation, a Corporation of New Jersey. Filed Apr. 15, 1925. Serial No. 23,435. 27 Claims. (Cl. 113—59.)

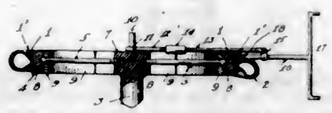


1. The combination with mechanism for heating an assemblange of parts to be brazed together, of means including a clutch-actuated timer and operative connections for automatically incapacitating said mechanism after a predetermined heating interval.

1,590,211. SPRING. AARON SIMONS, New York, N. Y. Filed June 26, 1924. Serial No. 722,428. 12 Claims. (Cl. 267—36.)

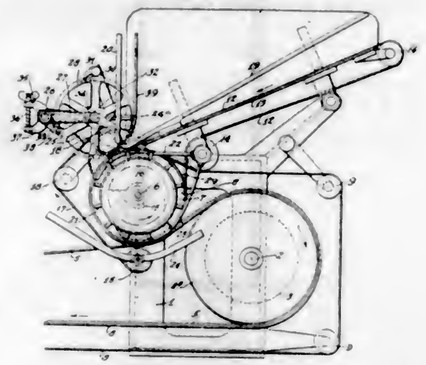
1. Means for cushioning the transmission of kinetic energy from one to the other of a pair of connected bodies comprising a curved spring member of substantially flat stock opposing resilient resistance to a straightening pull, said member being so connected to the bodies that relative movement of the bodies in one direction exerts longitudinal tension on said member tending to straighten the same.

1,590,212. DEVICE FOR REMOVING PNEUMATIC TIRES FROM THEIR RIMS. JOSEPH B. SMITH, Havana, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Sept. 2, 1921. Serial No. 497,877. 2 Claims. (Cl. 157—6.)



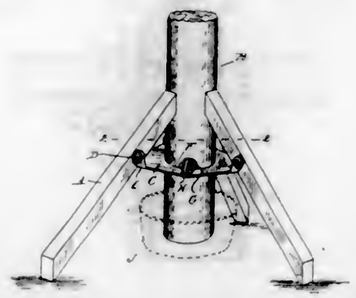
1. In an appliance of the character described, the combination of the arm having means at its inner end constructed to permit the arm to be mounted radially of a vehicle wheel rim and to be swung around the axis of the latter in a plane parallel to the rim, a support carried by said arm, a shaft rockably mounted in said support and adapted to turn about its own axis, a handle for said shaft to effect its oscillation, and a substantially-flat elongated shoe mounted on the inner end of said shaft with its longest dimension crosswise the shaft and adapted to be inserted between the rim and the tire thereon and to free the tire from the rim by its oscillatory movement during its travel around the rim.

1,590,213. FEEDER. WARD B. STORY, Brooklyn, N. Y. Filed July 29, 1922. Serial No. 578,305. 21 Claims. (Cl. 131—57.)



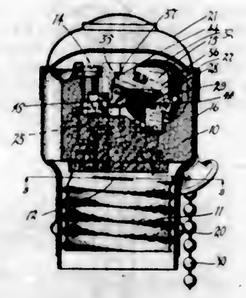
1. Apparatus of the character described, comprising means for supporting articles to be fed, continuously operating means for transporting the articles from the support, delivery means, and means for gripping the articles to the transporting means and transferring the same from the transporting to the delivery means.

1,590,214. CHRISTMAS-TREE HOLDER. JOHN F. WAIDELICH, Jackson, Mich. Filed Dec. 17, 1923. Serial No. 681,242. 3 Claims. (Cl. 248—38.)



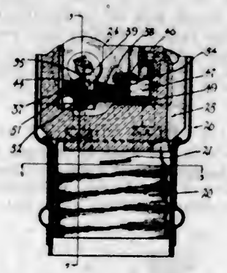
2. A Christmas tree holder comprising a plurality of legs inclined upwardly toward a common vertical axis and engageable with a tree trunk at their upper ends, and substantially horizontally disposed plates extending inwardly from said legs intermediate the ends thereof having transversely curved edge portions engageable with the trunk of said tree, and means for adjusting said plates to clamp the curved edge portions thereof against said tree trunk.

1,590,215. CIRCUIT-CONTROLLING DEVICE. CHESTER E. WARNER, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920, Serial No. 408,578. Renewed Nov. 27, 1925. 4 Claims. (Cl. 173—354.)



2. A switch mechanism, comprising a piece of wire bent to form a switch arm portion and a spring attaching portion, an insulating member in which said portions are embedded, a contact member straddling said insulating member, and a shiftable spring secured to said spring attaching portion.

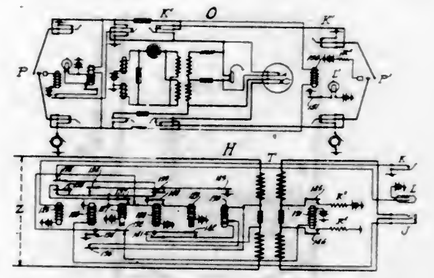
1,590,216. PULL-SWITCH SOCKET. CHESTER E. WARNER, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920, Serial No. 408,580. Renewed Nov. 27, 1925. 16 Claims. (Cl. 173—354.)



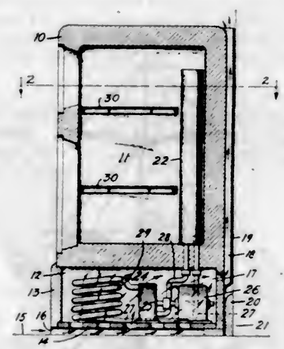
14. A switch mechanism comprising a pivot pin, a switch blade pivoted on said pivot pin and oscillatable back and forth, a spring bearing on said switch blade and shiftable back and forth past a dead center to cause oscillation of said switch blade, and means for shifting said spring comprising a link having one end connected with the spring and slidably engaging said pivot pin, and means connected to the other end of the link for actuating it.

1,590,217. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 28, 1921, Serial No. 456,236. Renewed Nov. 20, 1925. 22 Claims. (Cl. 179—27.)

1. In an automatic telephone system, a branch exchange, a main exchange, a toll office, a two conductor trunk line connecting the branch and main exchanges, a two conductor trunk line connecting the main exchange with the toll office, a repeater in each trunk line, an inductive winding in the second repeater for supplying talking current to a calling line, a signal at the operator's position, means whereby the calling subscriber can decrease the current flow in the second named trunk line, and means responsive to the decreased current flow for operating said signal.



1,590,218. HOUSEHOLD REFRIGERATING APPARATUS. EDWARD T. WILLIAMS, Brooklyn, N. Y. Filed Oct. 15, 1923. Serial No. 668,507. 2 Claims. (Cl. 62—116.)

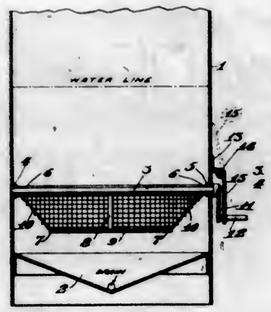


1. In a household refrigerating apparatus, a refrigerator having a storage chamber and a compartment below the latter, the compartment having in its bottom a plurality of air inlet openings to distribute incoming air, and having an outlet opening at the rear, the refrigerator having a wire shallow flue at its rear, extending upwardly from said air outlet opening to carry air therefrom, an expansion chamber in the refrigerator outside of the said compartment, and compressing and condensing means connected with the expansion chamber and housed in the said compartment to be cooled by air flowing through the same.

1,590,219. ACETYLENE-GAS GENERATOR. PRIOR F. WILLIS, St. Louis, Mo. Filed Oct. 23, 1922. Serial No. 596,252. 3 Claims. (Cl. 48—57.)

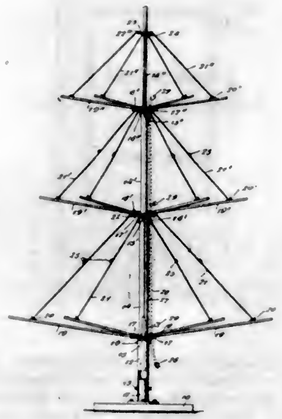
1. In an acetylene gas generator, a normally horizontal but rotatable, reticular or foraminated, basket-like screen, located above the bottom of the generator tank but below the normal water level, releasable means for normally holding said screen in horizontal position and means for rotating said screen, the diameter of said screen approxi-

mating that of the interior diameter of the tank, and the marginal portion of the screen sweeping close to the bottom of the tank during rotation of the screen.



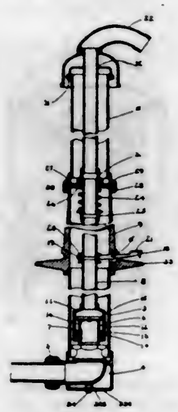
the apertures in said screen permitting the particles of slacked lime to pass through but retaining the particles of unattacked carbide.

1,590,220. ARTIFICIAL TREE AND SIMILAR STRUCTURE. WALDEMAR WURTS, East Orange, N. J. Filed Feb. 26, 1924. Serial No. 695,205. 1 Claim. (Cl. 41—15.)



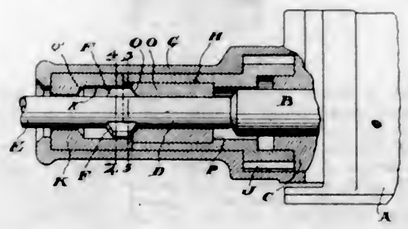
An artificial tree comprising a base, a main trunk section detachably fixed upon said base, a plurality of additional trunk sections detachably fitted into each other and detachably mounted upon said main trunk section, said trunk sections together constituting the trunk of the tree, means for preventing said trunk sections from rotating relatively to each other and to said base, stops formed on said additional trunk sections for arresting the adjustment of said trunk sections into each other and for supporting them upon each other, disks loosely mounted upon said additional trunk sections and rotatable upon said stops about the axis of said trunk, arms pivotally attached at one of their ends to said disks and constituting the branches of the tree and suspension members extending from the arms of one disk to the next higher disk and connected therewith at points between the pivots of its arms.

1,590,221. AUTOMOBILE RADIATOR-FILLING DEVICE. THOMAS E. BART, Cincinnati, Ohio, assignor to The Murdock Manufacturing and Supply Company, a Corporation of Ohio. Filed Apr. 16, 1923. Serial No. 632,249. 2 Claims. (Cl. 137—13.)



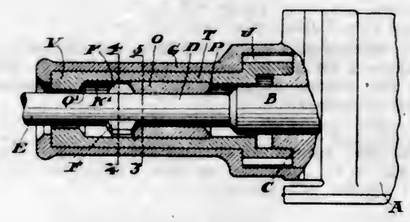
1. In a device of the class described the combination of a sectional housing composing a casing adapted to be sunk into the ground, a barrel and a tube, a jointed freely revolvible supply pipe reciprocally mounted within the housing, a supply nozzle in the casing and having a drain channel in its outer wall, a valve mounted on the lower end of the supply pipe for sealing the supply nozzle, a sleeve surrounding the valve and having washers engaging the nozzle adapted to be moved to a position beyond the drain channel in the nozzle when the valve is open and to a position intermediate the ends of the channel when the valve is closed, means on the barrel engaging the supply pipe for longitudinally reciprocating the supply pipe thereby opening and closing the valve, means yieldingly retaining the valve on the nozzle and means carried by the supply pipe for selectively directing the flow of fluid.

1,590,222. LUG CHUCK FOR ROCK DRILLS. LEWIS CONDICT BAYLES and FRED M. SLATER, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 2, 1922. Serial No. 557,963. 2 Claims. (Cl. 121—32.)



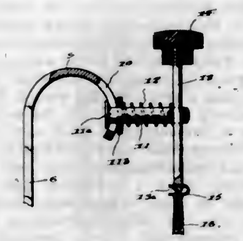
1. A lug chuck for fluid actuated rock drills of the hammer type, comprising a chuck sleeve adapted to be rotated and having clutch jaws at its forward end, a removable cylindrical chuck bushing formed with smooth unbroken end faces and seated within the forward end of said sleeve against an internal integral shoulder on said sleeve, the shank of the drill steel being adapted to extend through the chuck bushing in position to receive the impact blows of the hammer piston of the machine, a driver having clutch jaws cooperating with the clutch jaws at the forward end of the chuck sleeve, said driver also being formed with a recessed portion into which the drill steel lugs are adapted to extend, and driving lugs for engaging the drill steel lugs within said recessed portion of the driver and adapted to seat against the periphery of the outer end of the chuck bushing.

1,590,223. LUG CHUCK FOR ROCK DRILLS. LEWIS C. BAYLES and FRED M. SLATER, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed May 2, 1922, Serial No. 557,963. Divided and this application filed Sept. 16, 1925. Serial No. 56,579. 2 Claims. (Cl. 121—32.)



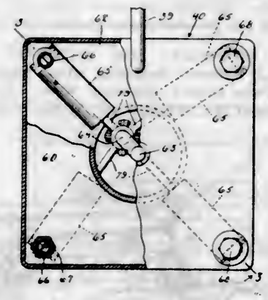
1. A lug chuck for fluid actuated rock drills of the hammer type, comprising a chuck sleeve adapted to be rotated and having clutch jaws at its forward end, a removable cylindrical chuck bushing formed with smooth unbroken end faces and seated within the forward end of said sleeve against an internal integral shoulder on said sleeve, the shank of the drill steel being adapted to extend through the chuck bushing in position to receive the impact blows of the hammer piston of the machine, a driver having clutch jaws cooperating with the clutch jaws at the forward end of the chuck sleeve, outside the said cylindrical bushing, said driver also being formed with a recessed portion into which the drill steel lugs are adapted to extend, and driving lugs for engaging the drill steel lugs within the recessed portion of the driver and adapted to seat against the periphery of the outer end of the chuck bushing.

1,590,224. RADIODETECTOR. LOUIS C. BLUME, Chicago, Ill. Filed June 28, 1923. Serial No. 648,305. 2 Claims. (Cl. 250—31.)



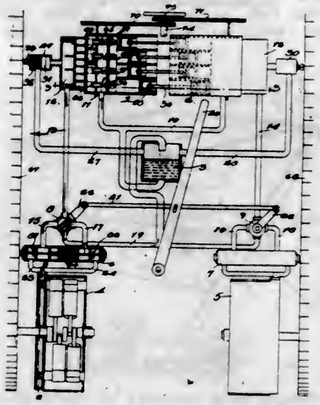
2. In a radio device, the combination of a carrier member having a circumferential groove adjacent one end thereof, of a U-shaped head formed from a single length of resilient material having a branch formed with a longitudinal slot opening out through one end thereof and defining a pair of legs to engage in said circumferential slot to connect the head to said carrier member, said U-shaped head having a second branch, approximately parallel to the first named branch and a cat whisker carried by said second branch.

1,590,225. MOTOR. CHARLES LEON BOISSET, New Orleans, La. Filed June 5, 1920. Serial No. 386,764. 1 Claim. (Cl. 121—65.)



A motor comprising a casing having a central crank chamber, double partitions defining fluid intake and discharge chambers; a hollow trunnion having support solely upon the partitions, said trunnion being in turn partitioned to provide intake and discharge ducts communicating with the respective chambers, each duct having ports; an oscillatable cylinder occupying the space between the partitions, said cylinder having ports corresponding with the trunnion ports, the ports being arranged to leave spaces between adjacent edges when the cylinder is on dead center; a crank in the crank chamber, a piston in the cylinder having a longitudinal socket, a connecting rod extending into the socket and having a movable connection therewith, and resilient means interposed between said socket and the connecting rod end.

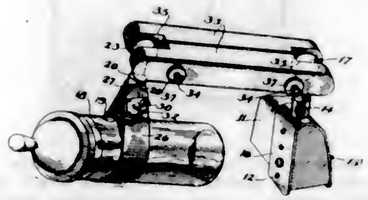
1,590,226. HYDRAULIC STEERING APPARATUS FOR TRACTORS. CHARLES LEON BOISSET, New Orleans, La. Filed Feb. 10, 1921. Serial No. 444,027. 3 Claims. (Cl. 60—52.)



1. Apparatus of the character described having a tread, a fluid pump, a hydraulic motor for driving the tread, supply and return fluid conduits between the pump and motor, and means interposed in said pipe for preventing the motor acting as a pump when going down hill comprising a cylinder containing a pair of valves, partitions providing seats to be occupied by the respective valves to control the supply and return fluid, and

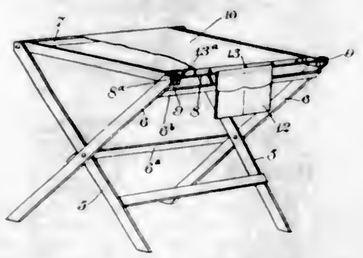
a balanced piston in said cylinder which is movable away from that valve by which the return fluid passes upon a preponderance of pressure of the return fluid over the supply fluid permitting the return valve to move toward its seat.

1,590,227. SUPPORT FOR NURSING BOTTLES. FRANCIS J. BRITTON, Brainerd, Minn., assignor of one-half to Clara Gilmer, Brainerd, Minn. Filed Dec. 10, 1923. Serial No. 679,749. 3 Claims. (Cl. 248—65.)



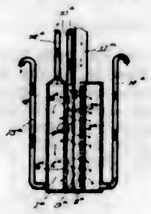
1. A support for bottles and the like, comprising a curved seat for receiving the bottle and having an outwardly extending socket, a stem mounted in and projecting from the socket and having a spherical head at its outer end, headed elements securing said stem in the socket, an elastic band adapted to embrace the bottle and holding the same on its seat, said band having eyes near its ends for engagement with the heads of said headed elements, a pair of clamping bars having opposed spherical recesses for receiving said spherical head, and means for adjusting said bars to increase or decrease the friction between the bars and said spherical head.

1,590,228. INFANT'S DRESSING TABLE. HAROLD L. CALDWELL and MARCUS A. CALDWELL, Columbus, Ohio, assignors to The Caldwell Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed June 20, 1924. Serial No. 721,327. 2 Claims. (Cl. 45—11.)



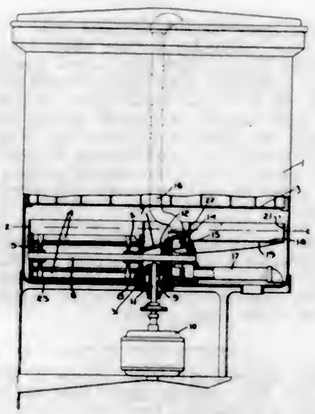
1. A dressing table including, in combination, a pair of folding leg frames hinged together in cross relation, a rigid rectangular table top-frame having forwardly projecting side members, said table top frame hinged at its rear ends to the upper ends of one of said leg frames, a towel rack bar secured between said forwardly projecting side members of the table top frame and extending beyond the side of said forwardly projecting side members in the form of pins, and supporting bearings at the upper end of the other leg frame to removably receive said pins.

1,590,229. PROCESS FOR MAKING ANHYDROUS ZINC CHLORIDE. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed June 7, 1923. Serial No. 644,048. 9 Claims. (Cl. 204—9.)



1. The process of making anhydrous zinc chloride which consists in heating dry lead chloride together with metallic zinc whereby anhydrous zinc chloride and metallic lead are formed.

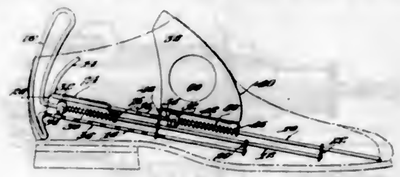
1,590,230. DISHWASHER. CHARLES F. DOBLE, Flushing, N. Y. Filed Dec. 14, 1922. Serial No. 606,937. 3 Claims. (Cl. 141—9.)



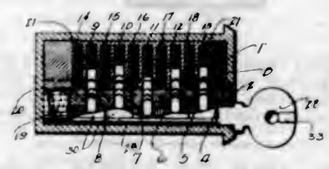
1. In a dish-washing machine, the combination with a receptacle, of dish-supporting means therein, a drip pan device extending substantially horizontally beneath a portion of the dish-supporting means and above the bottom of the receptacle to catch the drip from the dishes, said drip pan having a delivery edge spaced from the bottom of the receptacle and over which the water collected by said device is discharged so that said water will fall from the delivery edge to the bottom of the receptacle in a free and unconfined condition, and water-throwing blades rotating about a horizontal axis adjacent said delivery edge so that during their upward movement they strike the free unconfined falling water after it leaves said delivery edge thereby breaking the water into a spray which is thrown upwardly onto the dishes.

1,590,231. SHOE FORMER. ADELBERT A. DURKEE, Stoneham, Mass. Filed Feb. 16, 1923. Serial No. 619,387. 9 Claims. (Cl. 12—128.6.)

1. A shoe former having, in combination, a toe member and a heel member in overlapping extensible relation, resilient means for holding said two members in extended relation, said means being adjustable to regulate the amount of pressure exerted thereby when the former is placed in a shoe, a table of graduations marked on said former for regulating the adjustment of said resilient means, a cone member carried by said toe member and resilient means for holding said cone member in forward position, said means being adjustable to regulate the amount of pressure exerted thereby when the former is in a shoe.



1,590,232. TUMBLER LOCK. JULES A. FREMON, Leeper, Mo. Filed Aug. 15, 1921. Serial No. 492,373. 28 Claims. (Cl. 70—93.)



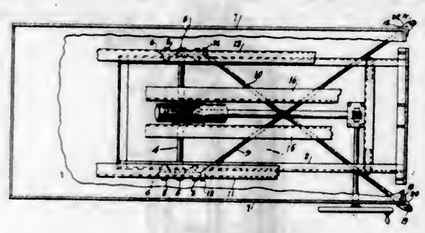
1. In a pin tumbler lock, a tumbler case having a plurality of tumbler recesses therein in a single longitudinal plane, a key cylinder confined in said case and having a lesser number of tumbler recesses therein and adapted to assume cooperative relation with all of said case recesses, and means for automatically shifting said cylinder in said case when the lock is operated.

25. In a pin tumbler lock, a pin tumbler comprising segments overlapping each other lengthwise and separable from each other lengthwise.

1,590,233. FILTER. FREDERICK F. FRICK, Anaconda, Mont. Filed May 5, 1923. Serial No. 636,981. 2 Claims. (Cl. 210—195.)

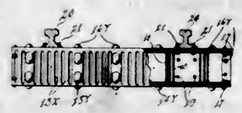
1. A filter frame comprising a peripheral wall defining the space which will constitute a filter chamber when filter plates are placed against the opposite faces of said frame, and a member having substantially plane surfaces located between said opposite faces and occupying substantially all of the space which is not necessary for the passage of pulp and wash solutions through the frame in center filtering operations, the bottom and sides of said member contacting with said peripheral wall and the top of said member not contacting therewith.

1,590,234. POWER-DUMP BODY. JOHN C. GAY, RALPH E. SMITH, and HARRY J. QUIRK, Gallon, Ohio, assignors to The Gallon Metallic Vault Company, Gallon, Ohio, a Corporation of Ohio. Original application filed Jan. 10, 1924, Serial No. 685,332. Divided and this application filed Oct. 9, 1924. Serial No. 742,535. 1 Claim. (Cl. 298—17.)



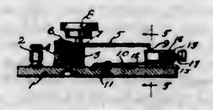
In a vehicle, the combination of a body part having angle irons at the forward corners of its bottom, frame members extending longitudinally along the bottom of the body parts and spaced inwardly from the sides thereof, tie rods extending diagonally across the bottom of the body part with their forward ends passing through said angle irons and their rear ends passing through intermediate parts of said frame members, and means at the ends of the tie rods for holding the latter in place, one of the holding means on each rod being adjustable.

1,590,235. METAL CROSSTIE. MICHAEL V. GEARON, Chicago, Ill. Filed Oct. 26, 1925. Serial No. 64,878. 4 Claims. (Cl. 238—77.)



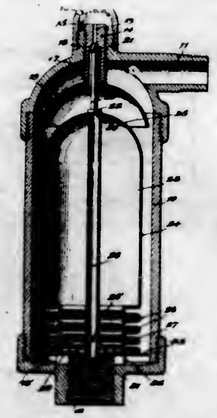
1. A metal cross tie constructed of a single piece of sheet metal having sections coiled to form a plurality of layers, the layers of certain sections having corrugations adapted to nest within similar corrugations of adjacent sections, and means for binding the overlapping sections together.

1,590,236. CRYSTAL DETECTOR. HUGO GERNSBACK, New York, N. Y. Filed Sept. 18, 1924. Serial No. 738,540. 1 Claim. (Cl. 250—31.)



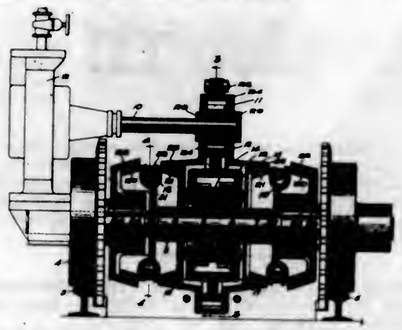
In a device of the character described, a base, a post mounted on said base, a spring carried by said post, said spring being provided with a down-turned pointed end adapted to serve as a feeler element, a spring arm mounted on said base, said arm being provided with an elongated slot, a crystal cup arranged over said arm, said cup being provided with an eccentric opening, and a fastening element extending through said slot and entering said opening.

1,590,237. METHOD OF MAKING TUBULAR CORRUGATED WALLS. JEAN V. GIESLER, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Original application filed Sept. 13, 1921, Serial No. 500,336. Divided and this application filed Dec. 8, 1924. Serial No. 754,623. 20 Claims. (Cl. 153—73.)



1. In the method of manufacturing a hollow buoyant member, subjecting a tubular wall having a closed end to interior hydrostatic pressure to enlarge said wall for a portion of its length adjacent said closed end, and forming corrugations in the unenlarged portion of said wall.

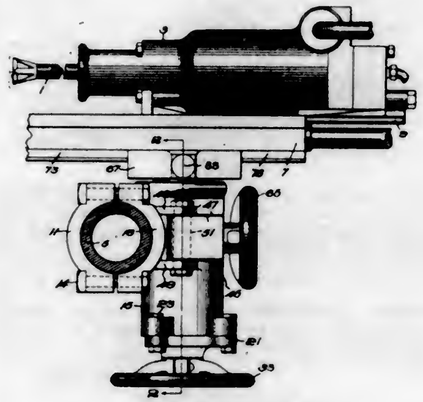
1,590,238. TRACTION MECHANISM. GEORGE H. GILMAN, Boston, Mass. Filed July 31, 1920. Serial No. 400,496. 16 Claims. (Cl. 74—34.)



1. A shaft, a pair of gears coaxial therewith, a driving member, differential gearing connecting each of said gears to said driving member, said gearing comprising a planetary gear carrier surrounding said pair of gears and being supported thereby, a housing for said gear carrier; clutch elements carried by said housing, by said shaft and by each of said pair of gears, those of the last named being adapted to engage those of either of the two first named; and means for shifting said clutch elements carried by the gears in the same direction to cause either of the gears of said pair to be connected to the housing and the other in each case to the shaft.

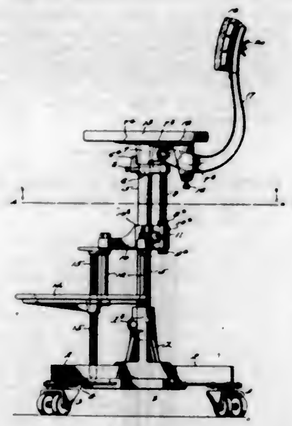
1,590,239. ROCK-DRILL SUPPORT. GEORGE H. GILMAN, Belmont, Mass. Filed July 30, 1921. Serial No. 488,598. 8 Claims. (Cl. 255—51.)

1. In a drilling machine, a shell for a tool actuator, a member carrying said shell and arranged to be clamped in adjusted positions longitudinally of said shell, a support for said machine, and a connection between said member and support, a screw for raising and lowering



said member relatively to said support, and a nut fixed against rotation cooperating with said screw and member for permitting said member to rotate about the axis of said screw without being moved by said screw.

1,590,240. CHAIR FOR MACHINE OPERATORS. GEORGE GORTON, Racine, Wis. Filed Aug. 17, 1925. Serial No. 50,619. 12 Claims. (Cl. 155—94.)

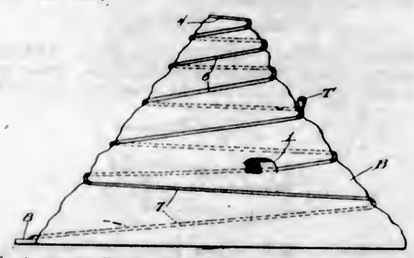


1. A chair comprising a base, an upstanding post carried thereby, said post being normally fixed with respect to the base, means whereby said post is rendered vertically adjustable with respect to the base, a foot rest normally fixed with respect to the post, said foot rest forming an enlarged horizontal platform located above the front portion of the base, said base and foot rest being relatively arranged to prevent forward tilting of the chair under the weight of the occupant of the foot rest, a seat mounted on the post, and means whereby said foot rest is supported independently of the seat and rendered vertically adjustable on the post independently of the seat and base and horizontally adjustable with respect to the base and on the post as a center.

1,590,241. IRONING BOARD. FELIX GRZESZKIEWICZ, Milwaukee, Wis. Filed Sept. 29, 1923. Serial No. 665,723. 2 Claims. (Cl. 68—10.)

1. A device of the character described, comprising an ironing board, means pivotally mounted one end thereof, and a leg structure for supporting the other end of the board in substantially horizontal position and including a member hingedly connected therewith, said member being slotted throughout the major portion of its length to its outer, free end, a second member of substantially T-shape and means medially pivotally mounting said second member in said slot adjacent the outer end thereof, the leg of said T-shaped member being foldable into the slot of the other member when not in use, said leg members being nested and folded against the upper face of the board when not in use and being opened with the transverse end of the T-shaped member engaging the under surface of the board and its other end engaging the floor when in use.

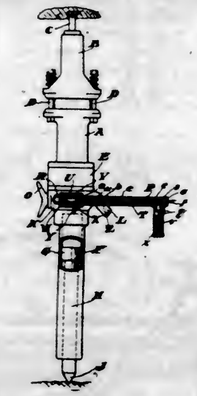
1,590,242. TOY TRACKWAY. ELBERT G. HOWARD, Denver, Colo., assignor of one-fourth to Joseph B. Nicholic and one-tenth to E. M. Leiless, both of Denver, Colo. Filed June 7, 1924. Serial No. 718,616. 3 Claims. (Cl. 46—32.)



1. A toy trackway adapted for use in connection with a spinning top comprising two platforms, means for supporting said platforms one above the other, the upper platform being arranged on an incline, and a track leading from the low point of the upper platform to the second platform, said track being U-shaped in cross section, the marginal portions of the upper platform being provided with upstanding flanges opposed flanges converging toward the track.

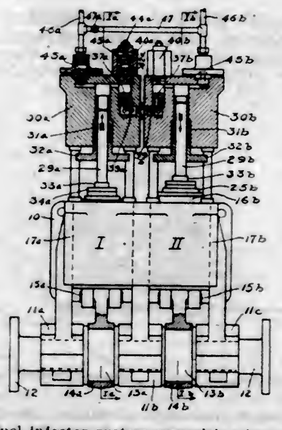
1,590,243. AIR FEED CONTROL FOR ROCK DRILLS. GEORGE W. HULSHIZER, Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 18, 1924. Serial No. 693,479. 2 Claims. (Cl. 121—9.)

1. In a rock drill the combination with an element to be controlled and a source of pressure fluid supply, of a handle, ports through the handle for admitting pressure fluid from the source of supply to the element to be controlled, a longitudinally movable valve in the handle for controlling the flow of pressure fluid into the element to be controlled, said valve having a transverse passage adapted to register with one of the ports for releasing pressure fluid from the element to be controlled, a passage longitudinally through the valve communicating with the transverse passage and with the atmosphere, a stem mounted rotatably in the handle, a cam on the stem for



actuating the valve in one direction to place the element to be controlled in communication with the atmosphere, a spring for moving the valve in the other direction and for holding said valve in constant contact with the cam, a rotatable sleeve on said handle and secured to the stem for manipulating the cam, said sleeve being adapted to describe a complete revolution about the handle, a spring pressed collar slidable on the perimetric surface on the handle to cooperate with the sleeve for holding the cam in an adjusted position, and means for holding the collar against rotation with respect to the handle.

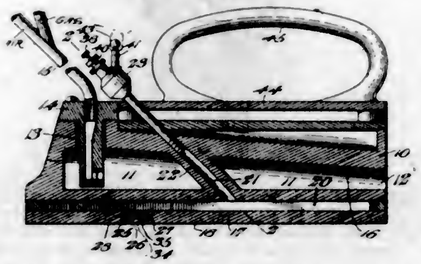
1,590,244. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. LOUIS ILLMER, Cortland, N. Y. Filed Oct. 29, 1925. Serial No. 65,642. 26 Claims. (Cl. 123—41.)



1. In a fuel injector system comprising in combination, a rail-line section maintained at predetermined pressure and the discharge end whereof communicates with the combustion chamber of an internal combustion engine equipt with a cylinder and a piston, means to obstruct

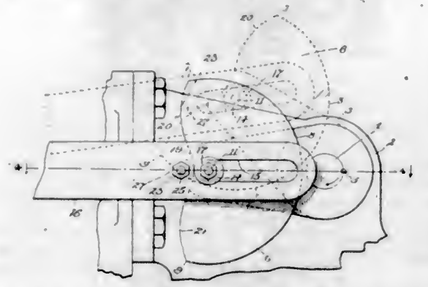
the discharge end portion of said rail-line, means adapted to intermittently deliver fuel to the receiving end of said rail-line and establish a pressure therein, said means comprising a plunger adapted to pump surplus fuel in excess of requirements and actuating means for said plunger having a resilient member interposed therebetween, means to remove said obstruction in timed relation to the piston movements, said removing means comprising means to vary the duration and extent of said removal, relief valve means serving to regulably bypas said surplus fuel while said rail line is obstructed, and means adapted to hold predetermined pressure within said rail-line and behind said obstruction while the delivery of fuel into said rail-line is intermitted, said means being reopened upon storing within said interposed resilient member a substantially constant plunger impulsion effort regardless of the full bypass through said relief valve.

1,590,245. VAPOR SADIRON. HARRY A. KOENIG, Philadelphia, Pa. Filed July 12, 1922. Serial No. 574,373. 2 Claims. (Cl. 68—26.)



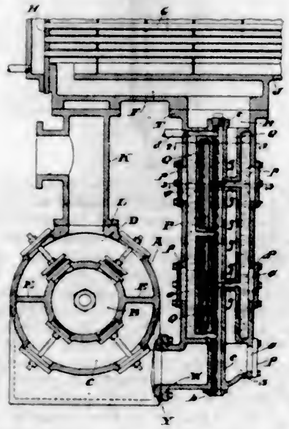
1. In a vapor sad iron, a body provided with a heating chamber having a rearwardly inclined top wall and a passage below said chamber, a burner located at the front end of said heating chamber and arranged to project a flame longitudinally of said chamber and rearwardly against said top wall, a water conveying member extending transversely of said chamber in the path of said flame and communicating with said passage, means for regulating a supply of water to said member, and a discharge nozzle in the working face of said body at the toe end and communicating with said passage.

1,590,246. MECHANICAL MOVEMENT. TORBJORN CONRAD KORSMO, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed Nov. 13, 1924. Serial No. 749,711. 2 Claims. (Cl. 74—14.)



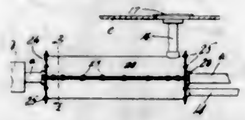
1. In a dwell cam crank mechanism, the combination of a crank having a projecting crank pin; a connecting rod having a longitudinal slot near one end in which said pin works; guiding means for the other end of the rod; a cam follower mounted on said rod between said slot and the guided end of the rod; and a cam mounted directly on said crank, and coacting with the follower, said cam having an arcuate portion which when engaged by the follower confines said crank pin in the outer end of said slot, and a dwell portion which when engaged by said follower so shifts said crank pin in said slot that the guided end of said rod dwells, there being a sudden transition from the dwell portion of said cam to the arcuate portion.

1,590,247. HEAT EXCHANGER. JOHN LE VALLEY, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 1, 1925. Serial No. 72,538. 2 Claims. (Cl. 257—232.)



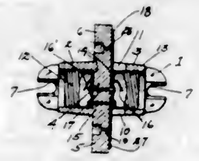
1. An auxiliary cooler, comprising three spaced concentric conduits, hollow semi-circular staggered baffle plates extending from the inner conduit to the outer conduit and allowing communication between said outer and inner conduits, inlet and outlet means positioned to allow the circulation of the cooling fluid through the outer and inner conduits, and an air inlet and outlet to the intermediate conduit.

1,590,248. MOTOR-VEHICLE HEATING ATTACHMENT. LOUIS MACHADO, Hingham, Mass. Filed Dec. 4, 1925. Serial No. 73,168. 4 Claims. (Cl. 257—241.)



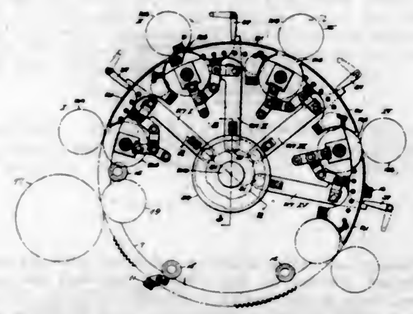
1. A motor vehicle heating attachment comprising a drum composed of body sections and head sections, formed to be assembled on a portion of an engine exhaust pipe extending lengthwise of the vehicle, and clamping bolts connecting said sections and confining the same in assembled relation on the exhaust pipe, the sections collectively forming longitudinal air-receiving and delivering flues connected with each other at the rear end of the drum, one section having an air inlet at the forward end of the drum, communicating with the receiving flue, another section having an air outlet at the forward end of the drum, communicating with the delivering flue, the arrangement being such that air admitted at the inlet passes through the receiving flue along one side of the exhaust pipe, and through the delivering flue along the opposite side of the exhaust pipe to the outlet, two of the body sections forming a sleeve which closely embraces the exhaust pipe and prevents gases therein from entering the said flues.

1,590,249. MOUNTING FOR ELECTRIC-LIGHT BULBS. DAVID ROSS MCGREGOR, Springfield, Ohio, assignor to The McSavaney Company, Springfield, Ohio, a Corporation of Ohio. Filed Sept. 8, 1924. Serial No. 736,429. 3 Claims. (Cl. 173—337.)



1. In a mounting of the character described, a supporting base member, a pair of aligned oppositely-projecting socket members, a division wall member between said socket members, and laterally and oppositely-projecting conductor supporting members, said base member projecting in the direction of the longitudinal axes of said socket members and beyond the same, those portions which extend beyond the socket being apertured to receive fastening devices, all of said members being integrally formed of insulating material, conductor strips carried by the upper portions of said laterally projecting supporting members, and means for attaching line wires to said conductor strips so that the line wires will project in parallel relation with the axes of said socket members along the upper side of the mounting and above the supporting base.

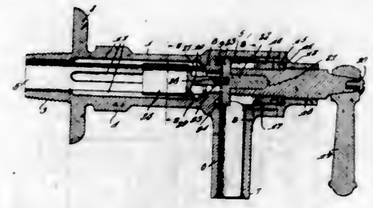
1,590,250. PRINTING PRESS. OTTO C. F. MEISEL, Boston, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed May 6, 1924. Serial No. 711,365. 4 Claims. (Cl. 101—184.)



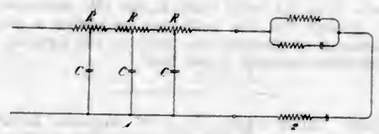
1. Printing mechanism comprising means for carrying sheets along a cylindrical path, form cylinders ranged about said path, cooperating throw-off means for the several forms comprising radially reciprocating levers, cam followers on the levers presented in different planes and a plurality of cams cooperating with said followers.

1,590,251. FAUCET. HORACE FALK NEUMEYER, Macungie, Pa. Filed Feb. 23, 1923. Serial No. 620,731. 1 Claim. (Cl. 277—27.)

A faucet comprising a body having a lateral spout and provided with an internal seat, a main valve, a disk-like foot on the main valve and engaging the seat, the spout and the main valve being located on one side of the seat, a screw connecting the disk-like foot with the main valve and having a head provided with a kerf, an operating member having threaded connection with the body and carrying the main valve, and an auxiliary valve located on the opposite side of the seat and cooperating therewith, the auxiliary valve including a reduced stem provided with a depression into which the head of the screw fits, the kerf of the screw head being housed in the depression.

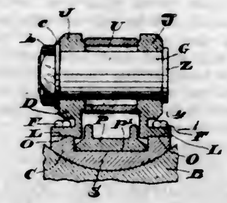


1,590,252. ARTIFICIAL LINE. HAROLD S. OSBORNE, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 21, 1919. Serial No. 332,348. 7 Claims. (Cl. 178—44.)



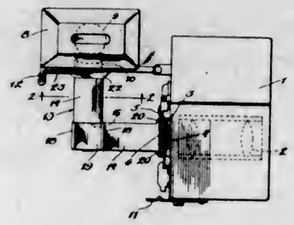
1. An artificial line for simulating the impedance of a transmission line, comprising two parts, one of which balances the line for currents of certain of the frequencies encountered in the transmission of signals and the other of which gives an increasing attenuation of the currents as the frequency departs more and more from those balanced by the first-named part.

1,590,253. CROSSHEAD AND GUIDE. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 14, 1925. Serial No. 62,396. 3 Claims. (Cl. 308—3.)



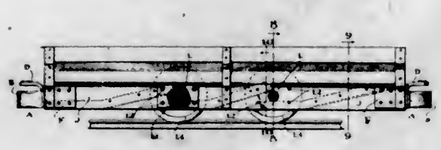
1. A cross head and guide construction comprising a guide having a concave cylindrical guiding surface, a cross head having a slide member formed with a cylindrical lower bearing surface and a plane upper bearing surface, and a guide plate spaced from and supported on said guide and passing through said cross head, said guide plate having a plane lower surface to cooperate with the upper bearing surface of said slide member.

1,590,254. ATTACHMENT FOR MOTION-PICTURE MACHINES. WILLIAM A. RANDALL, Atlantic City, N. J., assignor of one-half to Adam Freund and Henry Freund, both of Atlantic City, N. J. Filed Mar. 21, 1924. Serial No. 700,885. 5 Claims. (Cl. 88—24.)



1. An attachment for motion picture machines wherein the machine includes a housing, a film guide mounted thereon, and a lamp house movably mounted on the body and adapted in one position to project light through said film guide for projecting a motion picture and in another position in spaced relation to the guide and housing to project light at an angle to the first mentioned line of projection, comprising means interposed between the lamp house and film guide for projecting the light from the lamp house in the last mentioned position through the film guide for projecting a picture, and adapted to dissipate the heat of the light to prevent excessive heating of the film.

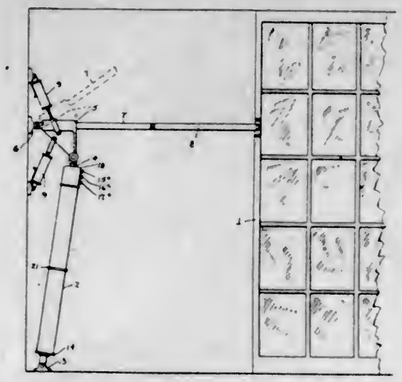
1,590,255. MINE CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Nov. 21, 1921. Serial No. 516,791. 14 Claims. (Cl. 105—364.)



1. In a car of the kind described, the combination of a frame comprising end sills and side sills, axles applied to the side sills above the lower edges of said sills, a stationary floor structure extending below the axles and from one side sill to the other and secured to the side sills, the frame formed by the end sills and the side sills being flexible but strong enough to resist downward strains and end thrust and longitudinal pull, and the floor structure being strong enough to support the materials put into the car and not strong enough to materially interfere with the twisting of said frame, substantially as described.

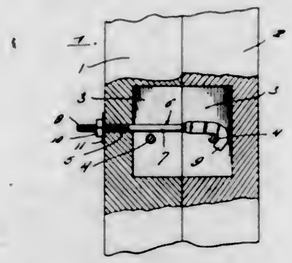
1,590,256. DOOR-OPERATING MECHANISM. WILLIAM SATTELE, Cleveland, Ohio. Filed Apr. 7, 1923. Serial No. 630,532. 3 Claims. (Cl. 172—240.)

3. In mechanism of the character described, the combination of a rigid support pivotally attached to a fixed point at one end; two aligned solenoids carried by said support; an armature reciprocable within said solenoids, the latter being arranged when energized to move said armature in opposite directions; circuit making and breaking means to energize the respective solenoids; manually operable means for setting said circuit making and breaking means, a bell-crank having one arm pivotally attached to a fixed point adjacent the free end of said support, another arm of said bell-crank being pivotally connected with the corresponding end of said



armature; and a link connecting the remaining arm of said bell-crank with a part to be operated, said link and last named arm, when at rest in door closing position forming an automatic lock.

1,590,257. PACKING BOLT FOR CRATING BEDS. JAMES B. SECHRIST, Red Lion, Pa. Filed Mar. 19, 1924. Serial No. 700,348. 1 Claim. (Cl. 45—22.)



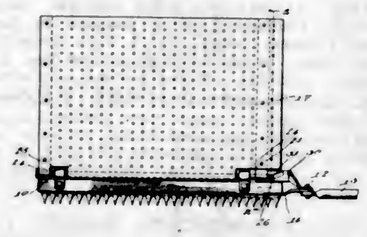
Means for crating a bed to adapt the same for safe shipping, wherein the bed embodies head and foot sections, each section having a pair of end-posts, the opposed faces of the corresponding ones of which are provided with opposite recesses, cross-pins in the recesses; and a single fastening and connecting device for each pair of end posts, each device comprising a hook connected to the cross pin in one post of the pair with which it cooperates, a shank, and adjustable clamping means on the shank, the remaining post of said pair having a hole extending from the coacting recess through one side, said shank passing through the hole, and the clamping means bearing against said one side, whereby to permit the sections to be drawn toward each other and securely connected together.

1,590,258. MAIL-BAG LOCK. ROBERT LOWE SHANNON, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 756,032. 6 Claims. (Cl. 70—2.)

1. A mail bag lock comprising a casing, for receiving ropes, means for engaging with the ropes to permit movement of the ropes in only one direction, and key actuated means for moving said rope engaging means

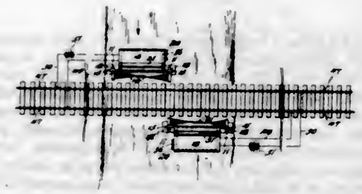
into inoperative position, said key actuated means preventing access to said rope engaging means, thus preventing the lock from being picked.

1,590,259. AUTOMATIC HAY SHAKER AND SEED SIFTER. JACK FINNER SHELTON, Memphis, Tenn. Filed Dec. 16, 1924. Serial No. 756,271. 4 Claims. (Cl. 56—207.)



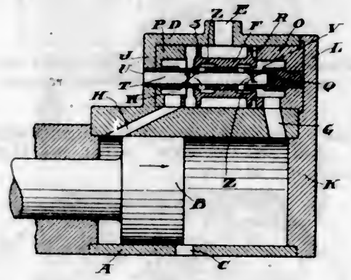
1. The combination with a cutter bar of a mowing machine and means for operating the bar of a seed pan carried by the cutter bar, a shifting screen overlying the seed pan, means for mounting the screen for shifting movement over the seed pan, and means operable from the means which operates the cutter bar for shifting said sifting screen.

1,590,260. AUTOMATIC RAILWAY GATE. SAMUEL NORMAN SMITH, Lynchburg, Va. Filed Mar. 5, 1925. Serial No. 13,316. 11 Claims. (Cl. 246—128.)



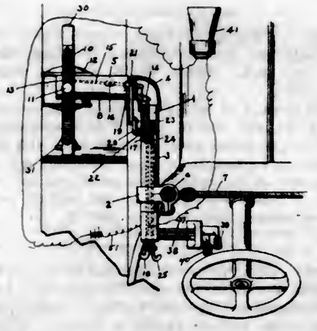
3. In a device of the character described, the combination of a crossing gate normally closed, a platform in front of the gate and depressible by the weight of a vehicle, mechanism operable to open the gate upon depression of the platform, a cylinder normally containing liquid and having a restricted outlet, a piston reciprocable in the cylinder and connected to the platform for retarding the depression thereof, and means for stopping the passage of the liquid through the outlet to positively prevent the depression of the platform and the opening of the gate when a train is near the crossing.

1,590,261. ROCK-DRILL VALVE. WILLIAM A. SMITH, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 30, 1925. Serial No. 40,518. 3 Claims. (Cl. 121—29.)



1. In a fluid actuated rock drill, the combination of a cylinder and reciprocating piston, a main piston controlled exhaust post, a valve casing, a hollow fluid actuated inlet valve in said casing, a hollow center pin for the valve, auxiliary compression relief ports for the cylinder, and means controlled by the valve for passing the auxiliary exhaust through the said hollow center pin.

1,590,262. AUTO SIGNAL. FRANKLIN S. SPRINGSTEAD, Rochester, N. Y. Filed Mar. 10, 1922. Serial No. 542,625. 1 Claim. (Cl. 116—46.)

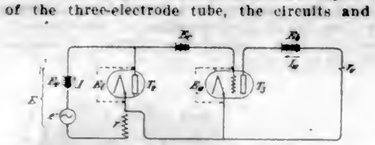


In an automobile signal the combination of an angularly shaped tubular bracket, a sleeve mounted to rotate on the outer end of said tubular bracket, an arm carried by said sleeve, an operating rod mounted to slide in said tubular bracket, means connecting said operating rod with said arm to rock said arm and its sleeve on the sliding of said operating arm, an indicator pivoted on the periphery of said sleeve, a second operating rod mounted to slide alongside said first sliding rod within said tubular bracket and means connecting said second operating rod with said indicator to independently turn said indicator on the sliding of said second operating arm.

1,590,263. AMPLIFIER. JOHN STONE STONE, San Diego, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 4, 1923. Serial No. 610,608. 5 Claims. (Cl. 179—171.)

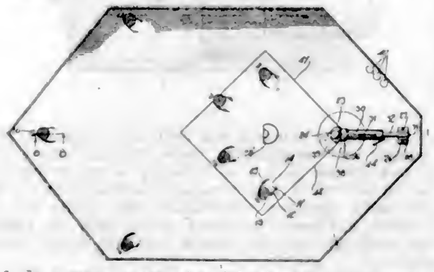
1. In combination, a two-electrode vacuum tube and a three-electrode vacuum tube, the terminals of the two-

electrode tube being connected with the input terminals of the three-electrode tube, the circuits and their



impedances being adjusted so that the output and input of the combination are in simpler linear relation.

1,590,264. GAME. SAMUEL C. SWEIGART, Linglestown, Pa. Filed Feb. 12, 1926. Serial No. 87,888. 5 Claims. (Cl. 273—89.)

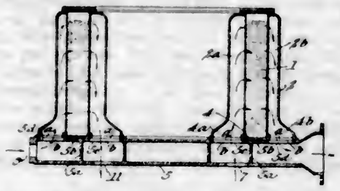


1. In a game, a game-board having a playing surface, a driving device having a curved driving surface, a driver release having a curved contacting surface in operative relation to the driving surface, means for projecting the driver, and a game-piece adapted to be propelled against the head of the trigger for releasing the driver.

1,590,265. PROCESS FOR PRODUCING ORGANIC CHLORIDES. RICHARD THURM, Saginaw, Mich. Filed Aug. 20, 1925. Serial No. 51,480. 4 Claims. (Cl. 260—166.)

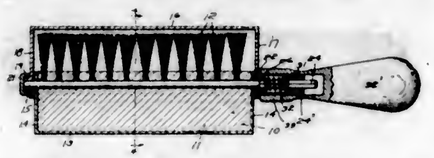
1. The method of producing chloroform, tetrachlorethylene and the like, which consists in compressing dry and purified hydrochloric acid gas and pure and dry carbon monoxide, to a pressure of from 1000-3000 lbs. per square inch, in mixing the compressed gases and in treating the mixture of compressed gases by the contact process at a high temperature, that is above 400° F.

1,590,266. CONTINUOUS-ABSORPTION APPARATUS. RICHARD TIEDTKE, Hochst-on-the-Main, and JACOB BENZ, Niedernhausen a/Taunus, Germany, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 18, 1925. Serial No. 51,048, and in Germany Aug. 28, 1924. 7 Claims. (Cl. 183—4.)



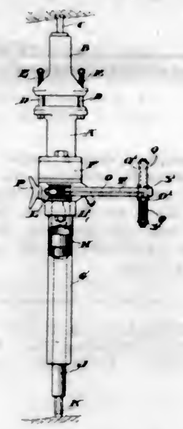
1. An adsorption apparatus, comprising a body of adsorptive material and means for alternately charging and regenerating different sections of the adsorption material, including conduits for passing gas into and out of different sections of the adsorption material, said conduits terminating in a single smooth surface, and gas distributing means terminating in a surface in contact with the said surface.

1,590,267. BRUSH. CHARLES C. TRESTER, Lawrenceburg, Ind. Filed Jan. 16, 1926. Serial No. 81,837. 5 Claims. (Cl. 15—185.)



1. In a device of the character described, a cover having one side open, a rock shaft extending longitudinally of the cover and pivotally supported thereby, a brush head mounted upon the rock shaft to be turned upon its longitudinal axis by said rock shaft, a handle slidably and non-rotatably mounted upon the rock shaft, and means to lock the brush head and the cover together, said means being actuated by the sliding movement of the handle.

1,590,268. HANDLE FOR ROCK DRILLS. GROVER G. TUTTLE, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Mar. 5, 1923, Serial No. 622,748. Divided and this application filed Oct. 18, 1924. Serial No. 744,462. 2 Claims. (Cl. 121—9.)



1. A rock drill comprising a pressure fluid feeding element, a hollow laterally extending rotation handle in communication with the feeding element and having a vertically extending portion, a longitudinally slidable grip having end flanges and adapted to rotate on said portion, an internal spherical groove in said grip, a spring encircling the free end of said portion normally holding said grip upwardly, and a valve in said portion contacting with the spherical groove and operable by the downward motion of said grip with respect to said portion to control the pressure fluid in said feeding element through said hollow handle and through the portion to the atmosphere.

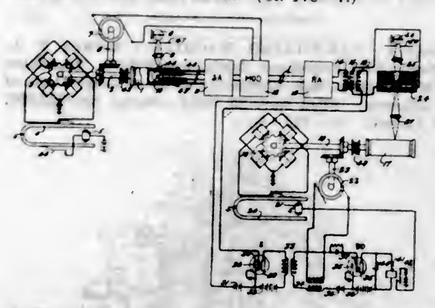
1,590,269. AUTOMATIC SAFETY DEVICE FOR PNEUMATIC HAMMERS. CHARLES B. WADE, Roanoke, Va. Filed Mar. 22, 1924. Serial No. 701,159. 7 Claims. (Cl. 121—11.)

1. The combination with a pneumatic hammer including a cylinder, a bit mounted in one end of the cylinder and a handle at the opposite end of the cylinder having a passage for conveying pressure fluid to the cylinder, of

a controlling valve mounted transversely to the cylinder between the same and the handle, yieldable means holding the controlling valve normally in closed position to cut off flow of pressure fluid to the cylinder, and a slidable actuating rod mounted longitudinally in the cylinder

with one end in contact with but free of the bit and its opposite end bearing freely against the end of the controlling valve in opposition to said yieldable means whereby to open said controlling valve when the bit is pressed against the work.

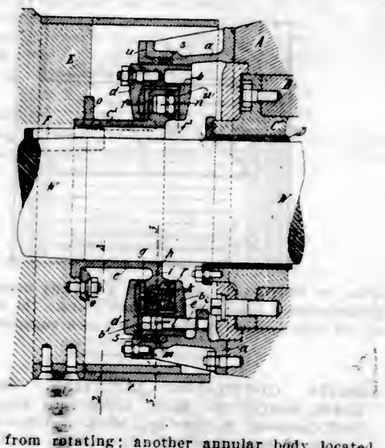
1,590,270. METHOD AND APPAPATUS FOR SYNCHRONIZING IN PICTURE-TRANSMISSION SYSTEMS. EDWARD F. WATSON, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 25, 1925. Serial No. 71,342. 10 Claims. (Cl. 178—7.)



1. The method of maintaining synchronism between sending and receiving members which consists in generating an alternating current having a frequency directly related to the speed of the sending member, generating a second alternating current having a frequency directly related to the speed of said receiving member but different from the frequency of said first current, transmitting said first current from the sending member to the receiving member, combining said currents to produce a beat frequency current, and utilizing said beat frequency current to govern the speed of the receiving member.

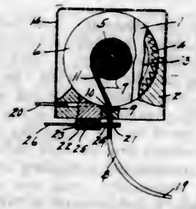
1,590,271. STERN-TUBE PACKING. CARL ZÜBLIN, Hamburg, Germany. Filed Dec. 2, 1920, Serial No. 427,869, and in Germany Dec. 11, 1917. 6 Claims. (Cl. 286—7.)

1. A stern-tube packing, comprising, in combination: a stuffing-box having packing therein attached to the outer side of the stern; an annular body arranged in said stuffing-box and being encompassed by said packing and having two internal flanges; means adapted to prevent



said body from rotating; another annular body located between said internal flanges; and means to connect said other body with the propeller-hub, for the purpose set forth.

1,590,272. RAIL-SANDING MECHANISM. WILLIAM C. ARMSTRONG, Duquoin, Ill. Filed Feb. 25, 1926. Serial No. 90,470. 2 Claims. (Cl. 291—24.)

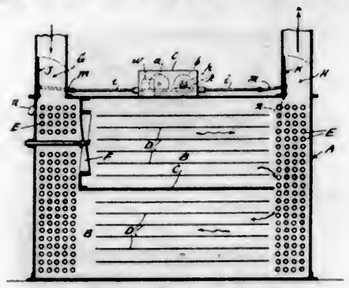


1. A device of the kind described, comprising the combination with a vehicle moving upon rails, of a casing mounted on the vehicle in advance of a front wheel, the said casing having a wheel-way; an air turbine rotatively mounted upon a shaft in the wheel-way; a tape spool upon the extended shaft of the turbine; a roll of sanded tape upon the tape spool; a compressed air tank on the vehicle; a pipe leading from the air tank and connected tangentially with the wheel-way of the turbine casing; a tape tube leading from the under side of the tape spool to a point above the track rail in advance of the front wheel; a knife way arranged transversely through the tape tube; a spring set air piston at the end of the knife way; a knife connected with the air piston and adapted to slide through the knife way for severing the tape; an air pipe connecting the air tank with the said air piston; and a valve for controlling the flow of air to the turbine and air piston.

1,590,273. METHOD AND APPARATUS FOR CONDITIONING MATERIALS. DAVID S. BAKER, Greenwich, Conn. Filed Jan. 17, 1923. Serial No. 613,241. 9 Claims. (Cl. 34—19.)

8. A device for controlling the position of the dampers of a treatment chamber, comprising an actuating member connected with said dampers, a time wheel adjacent to said actuating member and coutaining a plurality of

spaced holes, means for rotating said time wheel at a predetermined rate, and removable pins each adapted to be inserted in any of the holes in the time wheel and

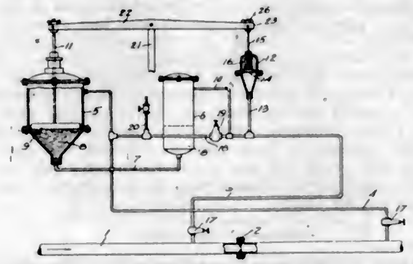


when so inserted to engage the actuating member at a predetermined time and to impart thereto the movement of the time member at the time of such engagement.

1,590,274. OPHTHALMIC MOUNTING. NELSON M. BAKER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 17, 1923. Serial No. 663,180. 2 Claims. (Cl. 88—50.)

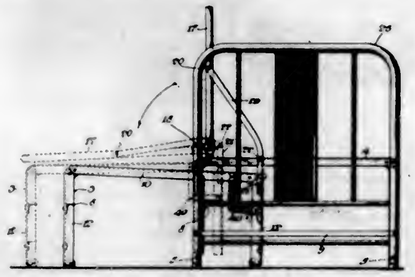
1. In a device of the character described, in combination with a pair of lenses, a bridge connecting the lenses, pivots at each end of the bridge, a lever on each pivot having a projecting handle overlying the front surface of a lens, and a rearwardly projecting arm having a loop portion extending rearwardly from the arm and then forwardly, a nose guard on the forwardly extending portion of the loop, a second arm on each pivot held against rotation, having a rearwardly extending arm and a loop portion extending rearwardly from the arm and then forwardly, and a nose guard secured to the forwardly extending portion of the loop portion.

1,590,275. CONTROL SYSTEM. MARK O. BAYLESS, Long Beach, Calif. Filed June 23, 1925. Serial No. 38,984. 6 Claims. (Cl. 137—78.)



1. The combination of a main conduit, a pair of branch conduits communicating therewith, valvular controls in the respective branch conduits, and means for adjusting the valvular control in each of said branch conduits in accordance with the volume of flow through the other branch conduit and the volume of flow through the main conduit.

1,590,276. SLIDING DOUBLE DAY BED. PERCIVAL B. BERRY, Brooklyn, N. Y., assignor to Englander Spring Bed Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 26, 1924. Serial No. 695,171. 6 Claims. (Cl. 5—18.)

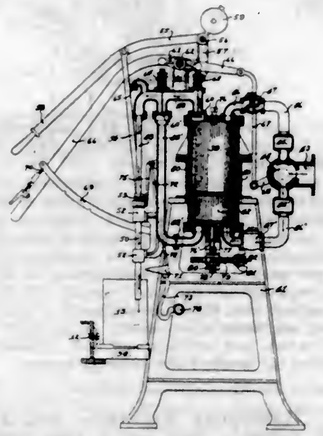


1. In a sliding day bed, the combination of a main section, a sliding section, and means for opening and closing the sliding section and comprising an operating bar having a length less than the over-all length of the main section and pivotally connected to the top of the main section and link-connected to the sliding section, thereby to permit a pair of ornamental heads to be closely attached to the ends of the main section.

1,590,277. SEAMLESS HOLLOW ARTICLE AND PROCESS OF MAKING SAME. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Co., a Corporation of West Virginia. Filed Oct. 15, 1925. Serial No. 62,658. 6 Claims. (Cl. 80—62.)

1. Process of making a seamless hollow article by hot piercing followed by working such as rolling or drawing, comprising piercing an iron-chromium alloy containing at least about 10% of chromium at a temperature lying approximately between 1000° and 1175° C.

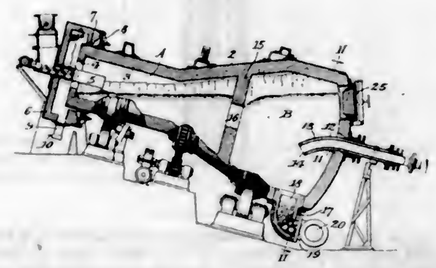
1,590,278. CAN-FILLING MACHINE. ARTHUR F. L. BELL, San Francisco, Calif., assignor to Associated Oil Company, San Francisco, Calif., a Corporation of California. Filed Nov. 25, 1924. Serial No. 752,090. 6 Claims. (Cl. 226—96.)



1. A can filling machine comprising means for receiving and holding a plurality of cans to be filled; a plurality of closed cylinders, each having an inlet and an outlet at each end; a plurality of filling nozzles, each

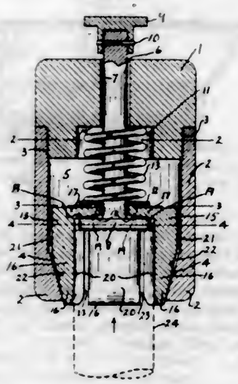
communicating with the two outlets of a respective cylinder; a piston freely movable in each cylinder; a plurality of outlet valves for controlling the discharge of fluid from said cylinders to their corresponding nozzles; a pair of fluid supply manifolds connected respectively with the opposite end inlets of all said cylinders; a single inlet valve for admitting fluid selectively to said manifolds; and means for operating said outlet valves and said inlet valve in timed relation to admit fluid to one end of all said cylinders and to discharge fluid simultaneously from the other end.

1,590,279. GAS-PRODUCING APPARATUS. ERNEST L. BROOME, Tarrytown, N. Y., assignor to General Reduction Gas & By-Products Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 17, 1921. Serial No. 437,667. 8 Claims. (Cl. 48—85.1.)



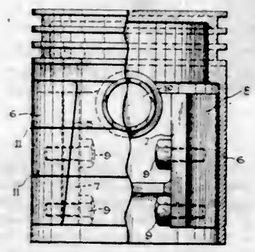
5. Gas producing apparatus comprising a rotary vessel having an intake and an offtake for the material, a gas outlet, the offtake being rotatable with and located on the circumference of the vessel and extending from the inside of the vessel to the exterior thereof, said offtake being comprised of three elements the axis of each of which lies in a plane at an angle divergent to the other two.

1,590,280. CHUCK. ROBERT BURNETT BUCHANAN, Hamilton, Ontario, Canada. Filed Oct. 15, 1924. Serial No. 743,808. 1 Claim. (Cl. 294—102.)



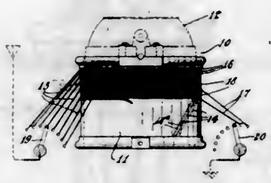
A chuck of the class described comprising, a casing having a convergent mouth at one end thereof, a split collet co-axially mounted within said casing consisting of a plurality of co-operating segmental collet sections, each collet section formed with a tapered surface operatively engaging within the mouth of the casing, spring means within the casing for forcing the collet sections axially outward, a stem projecting axially from the end of the casing remote from the mouth, said stem operatively coacting wth the collet sections whereby drawing of the stem outwardly will operate to withdraw the collet section axially inward into the casing and simultaneously force the outer ends of the jaws radially outward against the mouth of the casing.

1,590,281. PISTON. CHARLES L. BUETTNER and HENRY C. MERGEL, Milwaukee, Wis. Filed Mar. 8, 1926. Serial No. 93,173. 1 Claim. (Cl. 74—108.)



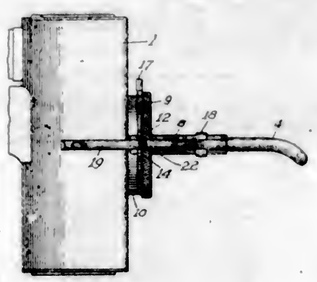
A piston, comprising a cylindrical casing having an opening of a substantial size in the side thereof, longitudinal ribs formed in the interior of the casing adjacent the sides of the opening, a curved plate closing said opening, the exterior shape thereof conforming with the exterior shape of the casing, there being longitudinal ribs formed along the inner side edges of the plate for engagement with said casing ribs, said plate being movable laterally with respect to the casing to permit the disposition of sheets of material between the adjacent ribs to hold the plate outwardly with respect to the exterior of the casing, and bolts entirely within the casing and extending into the casing ribs and plate ribs to hold the plate in adjusted position.

1,590,282. WINDING FORM FOR RADIO APPARATUS. CHARLES C. CADDEN and HARRY DEWHIRST, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,023. 4 Claims. (Cl. 175—359.)



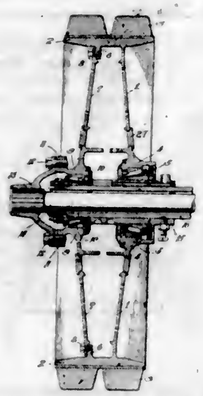
1. A winding form for electrical apparatus, said form having an annular winding surface interrupted by apertures closely spaced apart circumferentially of said surface and defined by a pair of closely adjacent bridge-portions of the form adapted to retain the base portions of taps formed by threading the wire through said apertures and drawing out a loop of the wire between said bridge-portions, said apertures being so disposed on said form as to provide anchorage for taps taken at minutely variable intervals axially of said form.

1,590,283. THERAPEUTIC DEVICE. DE FOREST B. CATLIN, Boston, Mass. Filed Oct. 20, 1924. Serial No. 744,580. 4 Claims. (Cl. 174—177.)



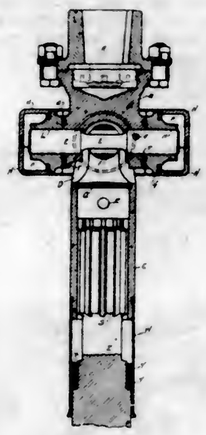
1. A therapeutic device comprising a light source, a plurality of quartz members having opposed terminals, means for mounting said members with respect to said light source, to permit light to be conducted through the members to a tissue interposed between the terminals, and to permit movement of the terminals toward and from each other, and means for applying pressure to the members to compress the interposed tissue, the last-mentioned means having provisions for automatically maintaining the compressing pressure.

1,590,284. VEHICLE WHEEL. ALBERT J. CHAPIN, Glendale, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Original application filed Sept. 28, 1922, Serial No. 591,201. Divided and this application filed Feb. 17, 1923. Serial No. 619,748. 1 Claim. (Cl. 301—65.)



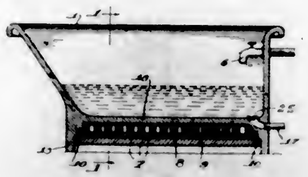
A vehicle wheel comprising an integral rim section, a disk integral with said rim section, an inwardly extending annular flange integral with said rim and spaced from said disk, a disk having its annular periphery secured to said flange, and a hub formed integral with each disk, said hubs being spaced apart.

1,590,285. UNIVERSAL JOINT. E. ESTAY CULBERTSON, Detroit, Mich. Filed Nov. 30, 1923. Serial No. 677,713. 6 Claims. (Cl. 64—102.)



1. A universal joint comprising shaft members, a one piece connecting member provided with a pair of trunnion members transversely disposed and connecting the respective shaft members with said one piece connecting member, one of said trunnion members being of greater diameter and perforated to permit passage of the other of said trunnion members therethrough, an outer casing formed of complementary stampings surrounding the said connecting member and engaging therewith, providing an oil retaining chamber.

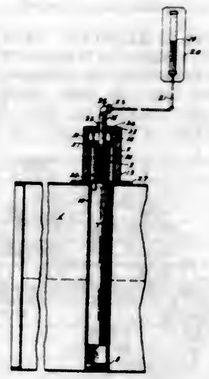
1,590,286. BATHTUB. FRED M. DAVIS, Chicago, Ill. Filed Apr. 15, 1922. Serial No. 553,265. 1 Claim. (Cl. 219—44.)



A bath tub having an aperture formed in the underside of its bottom part, in combination with a pair of parallelly disposed conductors spaced apart and provided with a plurality of interchangeable heater units, said bars having oppositely disposed sockets to receive said units, and said units having heads on their opposite ends to fit in said sockets.

1,590,287. LIQUID-LEVEL INDICATOR. CLARENCE A. DE GIERS, New York, N. Y., assignor to Liquidometer Company, a Corporation of Delaware. Filed May 28, 1920. Serial No. 384,796. 13 Claims. (Cl. 73—54.)

1. The combination of a tank for containing liquid, a vertically moving float in the tank, a chamber directly connected to the float, said chamber containing a fluid and being adapted to be compressed or expanded by the movement of the float, an indicator, fluid pressure connections from the chamber to the indicator, and means for effecting the compression of the chamber for adjusting the movement of the float.



1,590,288. VEHICLE WHEEL. EMIL DEISTER, Fort Wayne, Ind. Filed Jan. 8, 1923. Serial No. 611,215. 1 Claim. (Cl. 152—21.)

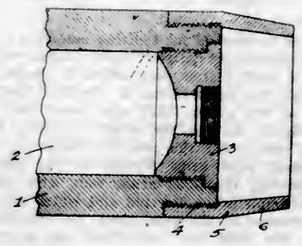
In a vehicle wheel, a disk having a circumferentially split rim, one portion of the rim being integral with the disk and the other portion being detachable therefrom, the outer peripheral faces of the two said portions, when attached, forming a continuous transversely concaved surface, an annular flange integral wtih the detachable rim portion and extending toward the central portion of the wheel and also having its inner periphery bevelled, a bevelled annular flange projecting laterally from the disk and adapted to be frictionally engaged by the bevelled periphery of the first named annular flange, and means extended through the disk and the first named annular flange to positively lock the rim portions together.

1,590,289. VAPOR CLOSET. PATRICK J. DONOVAN, New York, N. Y. Filed Dec. 7, 1925. Serial No. 73,682. 2 Claims. (Cl. 45—71.)

1. A vapor closet comprising a box-like body having a closing door, a pan in the bottom of the closet, a controllable heating medium for water in the pan, a series of superposed spaced bread carrying shelves above

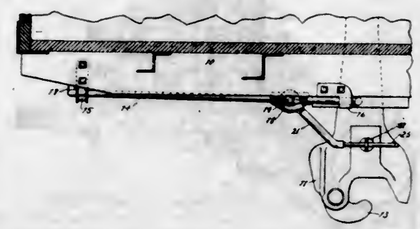
the pan, said shelves having their forward edges spaced apart from the door to provide circulation for vapor and an absorbent pad in the upper part of the closet.

1,590,290. SHELL OR PROJECTILE OF THE ARMOR-PIERCING TYPE. DALE C. HALL, U. S. Army. Filed Oct. 13, 1920. Serial No. 416,754. 1 Claim. (Cl. 102—29.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



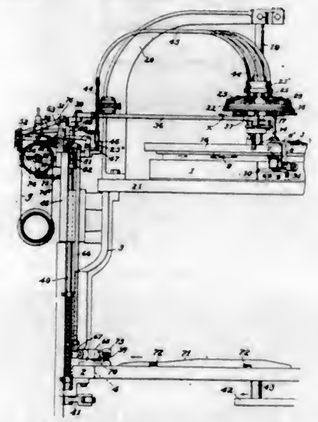
A shell, embodying a shell body, and a base connected to the body by threading, the resistance of the thread to strain being less than that of the body of the shell.

1,590,291. COUPLER-PIN LIFT. ARTHUR G. HAWKES, Chicago, Ill., assignor to The Pullman Company, a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,693. 10 Claims. (Cl. 213—169.)



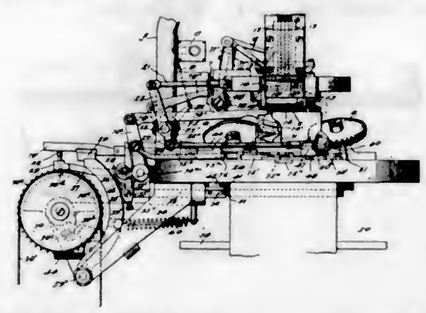
1. In a device of the class described, a rock shaft, means for operating said shaft, having a slot in one end for engaging said shaft, and a pin extending through said shaft and the slotted end of said arm for pivotally connecting said arm to said shaft, said arm extending at an angle to said shaft and provided with an extension for operating a coupling pin.

1,590,292. PATTERN MECHANISM FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, and WILLIAM O. TAYLOR, Limerick, Pa., assignors to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Apr. 3, 1922, Serial No. 549,253. Divided and this application filed June 2, 1923, Serial No. 642,958. Renewed Mar. 6, 1925. 15 Claims. (Cl. 66—134.)



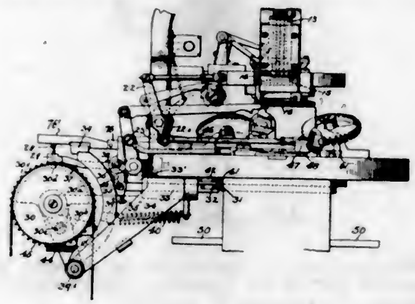
1. Pattern mechanism for knitting machines comprising an endless perforated pattern band, means for moving the same, a fixed platen over which it passes, pins to pass through the perforations in the band and into an open part of the platen, said pins when obstructed by the imperforate part of the band remaining up, a reciprocating carrier for the pins in which they are slidably mounted, pawl arms resting on the pins, means for reciprocating the pawl arms, rods with which said pawl arms couple when lowered and which are operated by the movement of the pawl arms, and connections operated by the rods for controlling the knitting, substantially as described.

1,590,293. KNITTING MACHINE. CHARLES C. KRIEBLE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Sept. 19, 1922, Serial No. 589,094. Divided and this application filed May 2, 1924. Serial No. 710,627. 15 Claims. (Cl. 66—50.)



2. In combination in a knitting machine, a cam box, a needle advancing cam in said cam box, a post carrying the advancing cam, a shaft journalled in the cam box and extending horizontally, a star-shaped cam member on the inner end of said shaft, directly engaging the post for moving it vertically as the cam rotates, a spring for pressing the post downwardly, a ratchet on the outer end of the shaft for moving it step by step, a pawl for operating the ratchet and means for controlling the pawl to operate the ratchet at predetermined times.

1,590,294. KNITTING MACHINE. CHARLES C. KRIEBLE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Sept. 19, 1922, Serial No. 589,094. Divided and this application filed July 18, 1924. Serial No. 726,793. 2 Claims. (Cl. 66—154.)

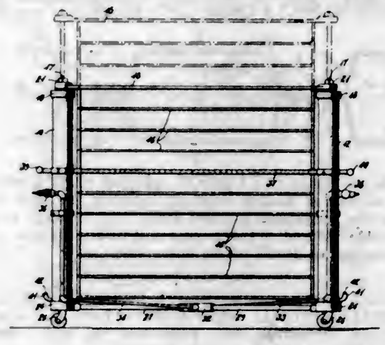


1. In combination in pattern mechanism for knitting machines, a group of pull bars arranged in substantially the same horizontal plane, horizontally movable slides to which said pull bars are pivotally connected to move in vertical planes, connections operated by the horizontal movement of the slides, pins upon which the pull bars rest, means for raising and lowering the pins to raise and lower the pivoted pull bars, said means having a slip joint engagement with the pins, a perforated pattern band for determining the up or down position of the pins, means for operating the pattern band, a reciprocating push bar movable substantially horizontally for operating the pull bars when the same are moved vertically into line therewith, and means for operating the push bar, substantially as described.

1,590,295. KNITTING MACHINE AND PATTERN MECHANISM. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Aug. 6, 1924. Serial No. 730,462. 2 Claims. (Cl. 66—50.)

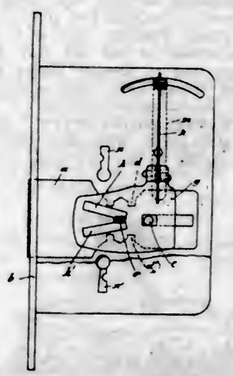
1. In combination in a circular knitting machine, pull bars movable horizontally in the direction of their length, bell crank levers having vertically extending arms and horizontally extending arms, and to the vertically extending arms of which the pull bars are pivoted to have vertical swinging movement, pins on which the free ends of the bars rest, means for moving the pins vertically having a slip joint connection therewith, a perforated pattern band for determining the up or down position of the pins, a carrier therefor, a horizontally movably push bar for operating the pull bars when moved vertically into line therewith, cams on the upper face of the rotary base of the knitting head for operating the push bar and pattern band carrier, and a laterally facing cam on the said rotary base for operating the pin moving means, said bell cranks having their horizontal arms extending beneath the needles, substantially as described.

1,590,296. ADJUSTABLE RACK. LOUIS KLEIN and JULIUS PAPKE, Moberly, Mo. Filed Apr. 16, 1924. Serial No. 706,857. 4 Claims. (Cl. 211—14.)



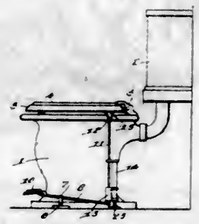
1. An adjustable rack comprising in combination a plurality of cylinders connected together to form a frame, means in said cylinders and projecting therefrom to support a rack, pistons in said cylinders adapted to operate said means, said pistons comprising spaced disks providing lubricant chambers therebetween, means to admit lubricating oil to the space between said disks and means to admit fluid pressure to said cylinders below the pistons and to exhaust fluid pressure therefrom at will.

1,590,297. LOCK. JULIUS KÖNIG, Budweis, Czechoslovakia. Filed Dec. 19, 1922, Serial No. 607,853, and in Czechoslovakia Dec. 28, 1921. 3 Claims. (Cl. 70—75.)



1. A lock having a casing having keyholes on either side, a bolt having recesses for the key on either side, tumblers having a symmetrical form, springs for setting the tumblers so as to coact with one or the other recess, a bolt pin, an auxiliary tumbler adapted to coact with the bolt pin to lock the bolt in retracted position and capable of being swung aside by the key during its bolt-projecting movement, when the latter is inserted in either of the two keyholes to permit the bolt to be slid forward, a spring for holding the auxiliary tumbler in normal intermediate position, all the tumblers being movable to an intermediate bolt releasing position and being arranged relatively to their corresponding springs in such a manner that, when the tumblers are in their intermediate positions, they are not acted upon by the springs, and means provided on all the tumblers adapted to engage with the bolt pin to lock the bolt in projected position, said bolt pin coacting with the auxiliary tumbler to maintain the latter in such position, when the bolt is projected, as to prevent movement of the tumblers to bolt releasing position by a key inserted in any keyhole except the one used for projecting the bolt.

1,590,298. TOILET-SEAT OPERATING AND CUSHIONING DEVICE. RICHARD P. LANDIS, La Grande, Oreg. Filed Nov. 14, 1923. Serial No. 674,682. 1 Claim. (Cl. 4—257.)

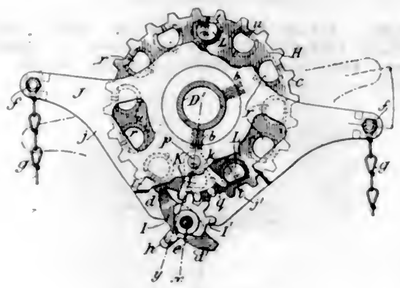


A device for operating and cushioning opening and closing movement of a hinged toilet seat comprising, a pivoted treadle lever, a cylinder mechanism pivoted to said lever and having a link pivoted to said seat and adjustably connected with said mechanism and being rigid therewith in any adjustment, said mechanism including a rigidly mounted cylinder having a substantially closed air leaking top and an open bottom, a relatively short piston rod in said cylinder, a plurality of piston heads fixed on said rod spaced longitudinally to prevent binding of the pistons and coacting with said cylinder to cushion opening and closing movement of the seat, and a link extending into said cylinder with free play through the lower open end thereof and having the upper end of said link pivoted to the lower end of said piston rod and the lower end of said link being pivoted to the floor.

1,590,299. APPARATUS FOR AERATING LIQUIDS. CHARLES BERTRAM LIDDELL, Dorney Reach, near Taplow, England. Filed Dec. 21, 1925, Serial No. 76,880, and in Great Britain Dec. 20, 1924. 4 Claims. (Cl. 226—67.)

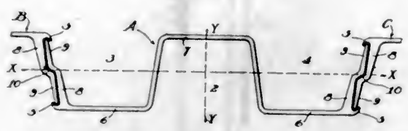
1. Liquid aerating apparatus consisting in the combination of a frame, a tube adapted to connect said frame to an aerating gas cylinder, a bottle-carrying platform at one end of said frame, a bottle-engaging nozzle at the opposite end of said frame communicating with said tube, a hinged bottle guard, means for effecting the engagement of the bottle with said nozzle by a combined rotary and rectilinear movement imparted to the bottle-carrying platform, and means whereby said guard is moved into its protecting position during the aforesaid movement.

1,590,300. BOILER-SOOT CLEANER. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Du Bois, Pa. Filed Apr. 12, 1921. Serial No. 460,661. 15 Claims. (Cl. 122—392.)



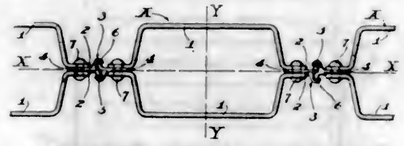
1. In a soot cleaner, a cleaning element adapted to deliver jets of a cleaning fluid such as steam to certain portions of the tubular surfaces of a boiler, and mechanism for turning such element to swing its jets through an arc only sufficient to deliver jets of cleaning fluid to all the tubular surfaces reached by such cleaner, first in one direction and then in the reverse direction, the movement in each direction being composed of intermittent or step by step movements, whereby the cleaner is brought to rest at a series of stopping points during each swinging movement to deliver jets of cleaning fluid from a temporarily fixed position to parts of the boiler to be cleaned, said mechanism including an actuating device, separate sets of controlling means for said actuating device each requiring an independent movement by the operator to produce each step, said device operating in a continuous cycle of movements irrespective of the direction of the turning movement of said cleaner element, with means to automatically reverse said turning movements at their limits during such continuous operation.

1,590,301. ROLLED-METAL PILING. JOSEPH LINDENLAUF, Pittsburgh, Pa., assignor of three-eighths to Herman Stratman and two-eighths to Harvey M. Aronson, both of Pittsburgh, Pa. Filed Jan. 15, 1926. Serial No. 81,394. 4 Claims. (Cl. 61—60.)



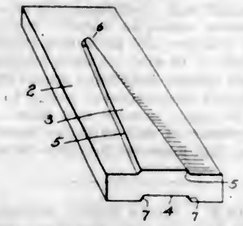
1. A wall made up of a plurality of similar interlocking piles, comprising integral rolled sections arranged with their neutral axes in parallelism, and each pile consisting of a plurality of U-shaped troughs with the successive webs thereof on opposite sides of the neutral axis of the pile and remote therefrom and with the outer sides of the outer troughs constituting interlocking members having a length substantially equal to the depth of the troughs, and each having a hook on its outer side at its base receiving the end of the next interlocking member, each of said interlocking members comprising an inner and an outer part lying in substantially parallel planes and connected by a part directed transversely of the planes of such inner and outer parts.

1,590,302. SHEET-METAL PILING. JOSEPH LINDENLAUF, Pittsburgh, Pa., assignor of three-eighths to Herman Stratman and two-eighths to Harvey M. Aronson, both of Pittsburgh, Pa. Filed Jan. 15, 1926. Serial No. 81,396. 4 Claims. (Cl. 61—60.)



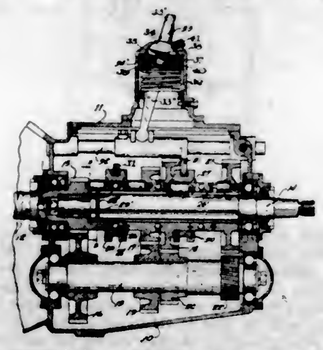
1. A pile comprising a pair of opposing rolled U-shapes with out-turned flanges, and an interlock at each side of the pile comprising a rolled shape with a flange at its inner side secured between said out-turned flanges and an interlocking device at its outer side.

1,590,303. REFRACTORY BLOCK USED IN BUILDING METALLURGICAL FURNACES. LEVI S. LONGENECKER, Pittsburgh, Pa. Filed Jan. 26, 1925. Serial No. 4,903. 18 Claims. (Cl. 263—46.)



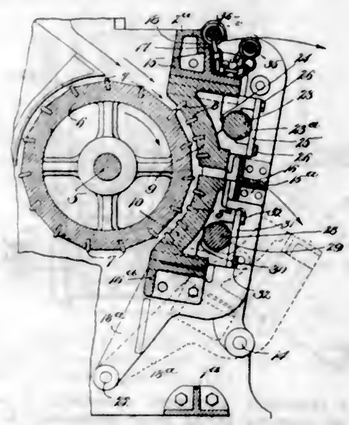
1. A furnace roof composed of refractory blocks arranged side by side and held together mainly by pressure between their engaging surfaces, said blocks being interconnected by means of tongues and grooves extending in a generally vertical direction, the said tongues and grooves being narrower at one end than at the other, and thereby operating to prevent broken fragments of said blocks from falling away from said roof.

1,590,304. TRANSMISSION-CLUTCH MECHANISM. WILLIAM A. MCCARRELL, Milwaukee, Wis. Filed Mar. 11, 1925. Serial No. 14,746. 4 Claims. (Cl. 192—71.)



1. In a transmission mechanism, the combination of a shaft having peripheral recesses, a rotatable member mounted on said shaft and having a portion surrounding the recesses and provided with apertures adapted to register with said recesses, clutch members disposed in said apertures and movable therein, means operative at low rotative speeds for retaining said clutch members out of said recesses during the relative rotation of said shaft and rotatable member, and means mounted on said rotatable member and cooperating with said clutch members to project the latter into said recesses.

1,590,305. COTTONSEED HULLER. ROBERT W. MCLEAN, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1926. Serial No. 85,684. 13 Claims. (Cl. 83—6.)

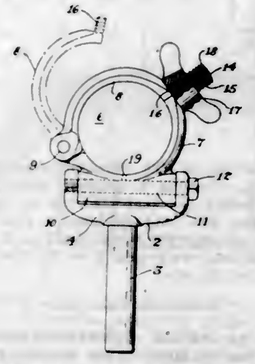


1. A machine of the class described comprising a rotary cylinder and a concave cooperating therewith, said concave comprising a plurality of independent sections, a movable support for each section, and readily frangible means normally retaining each support in position to present its concave section in operative relation to the cylinder.

1,590,306. ART OF MANUFACTURING MEAT PRODUCTS. ALOYSIUS E. MAGERS, Denver, Colo., assignor to San-A-Ham Company, Fort Wayne, Ind., a Corporation. Filed Jan. 29, 1926. Serial No. 84,761. 6 Claims. (Cl. 99—11.)

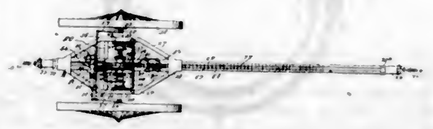
2. The process of producing meat products which consists in cooking selected meats and cured gelatigenous tissue together, removing the hot meats from the cooked mass and grinding the same while hot, removing the hot gelatigenous tissue from the cooked mass and grinding the same while hot and mixing the ground meats and the said ground tissue while hot.

1,590,307. OAR LOCK. SAMUEL MANCHESTER, Pleasant Valley, Conn. Filed Aug. 5, 1925. Serial No. 48,243. 2 Claims. (Cl. 9—26.)



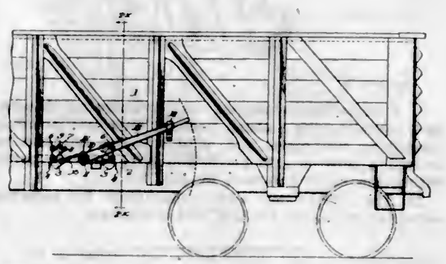
1. An oar lock comprising a pivotally mounted annular oak receiving member comprising a plurality of portions and pivotally mounted, the portions of the oar receiving member having a divided stud, the divisions of which are rigid with the respective sections of the oar lock, one division having a cylindrical portion overlapping the other division and a nut threaded on the stud, one of the sections of the stud having an enlargement.

1,590,308. CABLE-OPERATED LOGGING CART. DENNIS W. MERRILL, Albany, Oreg. Filed Sept. 25, 1922. Serial No. 590,467. 14 Claims. (Cl. 212—142.)



1. A cable operated logging cart comprising a wheeled frame, hoisting drums thereon, a hoisting cable having its ends disposed over the drums, a tongue mounted upon the frame for longitudinal shifting movement relative thereto and adapted to be connected at its ends to the operating cables, stops at the ends of the tongue and operating to limit the movement of the tongue in either direction and mechanism operated by the reciprocation of said tongue in one direction or the other for operating said drums to rotate the drums correspondingly in one direction or the other, said stops acting to cause the pull on the cable to draw the cart over the ground after the drums have been fully operated to raise the load.

1,590,309. DUMP-CAR-DOOR-RELEASING MECHANISM. JOHN O. NEIKIRK, Lombard, and WILLIAM E. MORBY, Chicago, Ill., assignors to National Dump Car Company, Chicago, Ill., a Corporation of Maine. Filed Jan. 3, 1922. Serial No. 526,519. 4 Claims. (Cl. 105—308.)

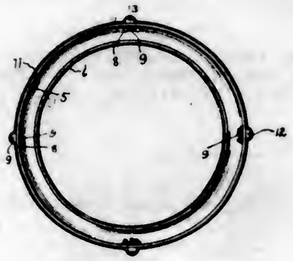


1. In a dump car, a door, a hook for said door, and means through which to release said hook from a point remote from the hook while leaving the hook free to be restored to locking position by local manipulation, said means comprising a pivoted lever extending to a remote point, a flexible connector between the lever and the hook through which the lever is adapted to withdraw the hook, and means for supporting the lever in position to leave the connector slack after releasing the hook.

1,590,310. COVER FOR HEADLIGHT RIMS. ROY A. NELSON, Omaha, Nebr. Filed June 22, 1925. Serial No. 38,722. 2 Claims. (Cl. 240—41.)

1. In a cover for the rim of a head-light casing, said rim having a circular wall with projections outwardly thereof and having an inwardly curved flange, a circular band adapted to fit snugly upon and having recesses for

receiving the projections of said circular wall and having an inwardly projecting flange with a transversely curved part for engaging the edge of the inwardly



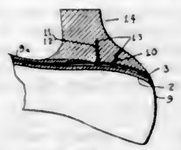
curved flange of said rim, that part of said band between its circular part and its transversely curved part providing a flat, annular facet at the front of said rim.

1,590,311. PIEZO-ELECTRIC DEVICE AND METHOD OF PRODUCING THE SAME. ALEXANDER MCL. NICOLSON, Hillsdale, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Apr. 11, 1921, Serial No. 460,396. Divided and this application filed July 17, 1922. Serial No. 575,473. 43 Claims. (Cl. 179—101.)

1. A piezo-electric crystal and a mounting therefor, said crystal having a channel shaped face, said mounting comprising two plates and a tie member and said tie extending between said plates and lying at least partly within the channel formed by said face.

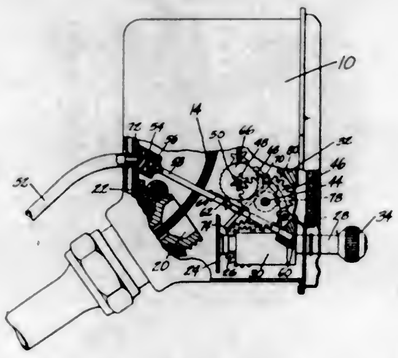
21. The combination with a diaphragm for radiating sound, of means for twisting said diaphragm.

1,590,312. METHOD OF MAKING SHOES AND HEEL-SECURING MEANS USED IN SUCH METHOD. SALVATORE PALMIERI, Rochester, N. Y. Filed Apr. 9, 1924. Serial No. 705,382. 7 Claims. (Cl. 36—34.)



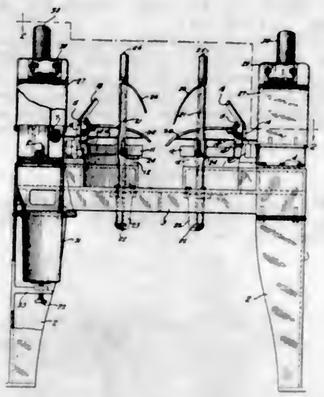
1. In combination with a shoe, a member secured to the shoe in the heel portion thereof, prongs resiliently supported by said member, and a heel having diverging openings into which said prongs extend.

1,590,313. REGISTERING INSTRUMENT. CLARENCE H. POWELL, Detroit, Mich., assignor, by direct and mesne assignments, to Motor Industries Inc., Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1924. Serial No. 692,654. 14 Claims. (Cl. 235—144.)



1. A registering instrument comprising, in combination, an odometer having re-set mechanism, a register constructed and arranged to show cumulative totals of fuel consumed, and a zero re-set device for the fuel register which is operated by the odometer re-set mechanism.

1,590,314. APPARATUS FOR ARC SPOT WELDING. SIDNEY C. PROBERT and FREDERICK J. LAMBORN, Detroit, Mich., assignors, by mesne assignments, to Dodge Brothers, Inc., a Corporation of Maryland. Filed Mar. 28, 1923. Serial No. 628,214. 4 Claims. (Cl. 219—8.)

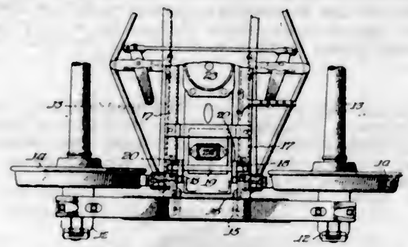


1. In a machine of the character described, a supporting structure having a chamber within which the parts to be welded are supported, an arc-forming electrode protruding into said chamber, a slide supporting said electrode, a lever for reciprocating said slide and a push rod associated with said lever for controlling the current to form the arc.

1,590,315. CAR-TRUCK CONSTRUCTION. STEPHEN J. RADTZ, Proctor, Minn. Filed Jan. 19, 1925. Serial No. 3,393. 3 Claims. (Cl. 105—190.)

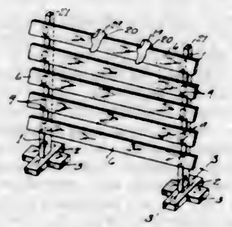
1. A car truck comprising a pair of cast steel arch bar side frames having vertical column guide members,

integral brackets extending inwardly from the column guide members, cross transoms riveted to the brackets, said transoms consisting of outwardly facing vertically



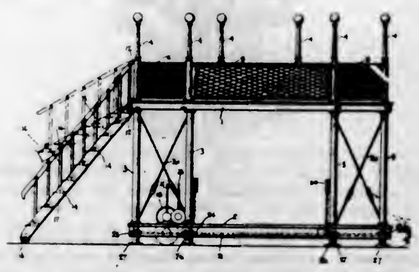
placed channel sections, hangers pivotally supported on said transoms and located between them, and a car bolster supported from said hangers.

1,590,316. DISPLAY RACK. CHARLES A. REBHUN, Cincinnati, Ohio. Filed Oct. 16, 1923. Serial No. 668,910. 1 Claim. (Cl. 211—14.)



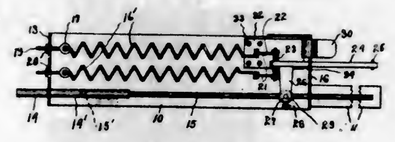
A display rack comprising a pair of uprights having a plurality of vertically spaced projections with outwardly inclined faces, a plurality of suitable cross-members each of which is disposed against corresponding projections of the uprights, the horizontal edges of cross-members and projections lying in common planes, said uprights having hooks projecting from their inclined faces, and said cross-members having depressions to receive said hooks when in operative position.

1,590,317. LOADING GANGWAY. JAMES G. RICHARDS, Detroit, Mich. Filed Feb. 11, 1924. Serial No. 692,061. 2 Claims. (Cl. 14—71.)



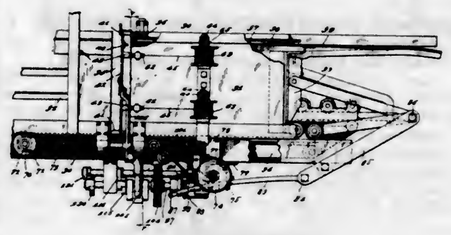
1. In a device of the character described, the combination with a deck and an adjustable gangway associated with said deck, of mechanism for raising and lowering said deck, mechanism for controlling said gangway, a common drive motor for said mechanisms, and means for selectively connecting or disconnecting said motor and mechanisms.

1,590,318. CATTLE-STUNNING DEVICE. LEWIS J. RING, Wakefield, Nebr. Filed Oct. 27, 1924. Serial No. 746,096. 1 Claim. (Cl. 17—1.)



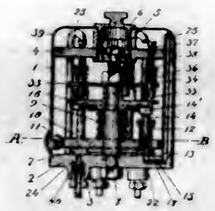
A cattle stunning device comprising a stock, an elongated frame mounted on the stock provided with upstanding portions at opposite ends, a guide sleeve secured through the forward upstanding portion of the frame, an impact rod slidable at its forward end in the guide sleeve and slidably engaging through the rear upstanding portion of the frame, a pull bar slidably mounted through the rear upstanding portion of the frame at one side of the impact rod, an adjustable connection between the rod and the pull bar, a thumb latch carried by the frame outwardly of the pull bar and having a laterally disposed shoulder for interlocking engagement with the pull bar when the latter is retracted, and a pair of equalizing tension springs secured adjustably to the forward upstanding portion of the frame and having connection to opposite sides of the pull bar for normally urging the latter forwardly, said thumb latch adapted to be released by pressure of the thumb thereon for freeing the pull bar to admit said spring moving the pull bar and impact rod forwardly.

1,590,319. HAY BALER. JOHN E. ROBBINS, Greensburg, Ind. Filed June 4, 1920. Serial No. 386,566. 15 Claims. (Cl. 100—20.)



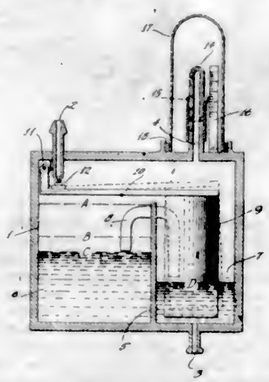
1. In a baler, the combination with a compression chamber, of means for supporting a binding wire across the mouth of said compression chamber, said means comprising a holder for the end of the wire, a holder for the wire supply, and tensioning means permitting the binding wire to be drawn from the supply and projected into the compression chamber while the bale is being formed, means for projecting material into the compression chamber and into engagement with the binding wire, means for projecting the binding wire across the mouth of the compression chamber to embrace the bale and to lay a portion of the binding wire alongside the end of said wire, means for holding the ends of said wire alongside of each other, means for engaging two adjacent portions of the wire between the bale and said holding means and initially kinking said two portions of the wire before cutting to hold the same against the expansion of the bale, means for cutting the wire beyond the kinks, and means for wrapping the two free ends of the wire about intermediate portions of the wire between the kinks and the bale.

1,590,320. PUMP. CARL OSKAR RYDBERG, Gottenburg, Sweden. Filed Sept. 10, 1924, Serial No. 736,849, and in Sweden Mar. 31, 1924. 12 Claims. (Cl. 184—33.)



1. In lubricators provided with a rotatable pumping device, the combination of a stationary bottom plate having a number of channels in it with their orifices arranged in a circle in groups of four, a slide rotatable around a shaft and covering said orifices, said slide being provided with one aperture so arranged that it communicates successively during the rotation with the orifices, a pump fixed to said slide above said aperture, a cam disc fixed to said shaft and cooperating with the head of the pump plunger, one of said channels in each group communicating with the lubricators oil container, a second channel communicating with a pipe outside the oil container and bent at the end to allow its contents to drop from its mouth, a third channel communicating with a pipe forming a cup at its end so located that it can receive the oil dripping from said mouth, a fourth channel communicating with a lubricating pipe to the machine, means to rotate said slide with pump around said shaft, and said cam disc provided with cams at the circumference of the disc in number equal to half the number of said orifices and so located in regard to said orifices that the pump will suck in the lubricant through the first and third orifices and discharge same through the second and fourth orifices.

1,590,321. LIQUID-FEEDING APPARATUS. JACK D. SARTAKOFF, Forest Hills, N. Y. Filed Mar. 9, 1923. Serial No. 624,056. 11 Claims. (Cl. 137—68.)



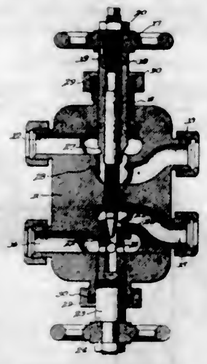
1. An apparatus of the character described embodying a container having a liquid inlet, a liquid outlet and an air inlet, means controlled by the liquid level in the container for automatically closing the liquid inlet when the liquid level has reached a predetermined minimum, and means for controlling the entrance of air into the container through the air inlet to thereafter control the flow of liquid through the outlet.

10. An apparatus of the character described embodying a closed container divided into receiving and delivery compartments and provided with a liquid inlet to the receiving compartment and a liquid outlet from the delivery compartment, siphon means for siphoning liquid from the receiving compartment into the delivery compartment, and a manually adjustable device for admitting regulable quantities of air into the delivery compartment above the liquid level therein.

1,590,322. KNITTED CAP. IKE SCHLESINGER, East Orange, N. J., assignor to Abner M. Cohen and Jennie B. Cohen, trading as Essex Knitting Mills, Newark, N. J. Filed Nov. 25, 1925. Serial No. 71,385. 1 Claim. (Cl. 2—172.)

A cap of the character described comprising a single tubular piece, rib-knitted lengthwise thereof and folded on itself to form a crown having inner and outer layers, the bight portion of the folded piece forming the rim of the head opening of the crown, and an integrally knitted band having longitudinally extending ribs throughout its entire length, said band comprising a substantially rectangular shaped central portion and end portions extending in angular relation to the rectangular portion, one side edge of said central portion being attached to the rim, the end portions forming flaps adapted for detachable attachment with the crown, or with each other beneath the chin of the wearer.

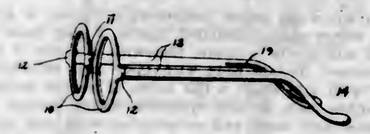
1,590,323. MULTIPLE REGULATOR VALVE. FRANK H. SCHUBERT, St. Louis, Mo. Filed Aug. 23, 1924. Serial No. 733,778. 12 Claims. (Cl. 277—3.)



1. A regulator valve comprising a body, a plurality of ducts therein, said ducts having inlet and outlet portions connected by axially alined valve passages, a valve stem axially disposed in said body having axially adjustable valve portions associated with said valve passages, respectively, and means for moving said valve stem and valve portions to open or close said passages simultaneously.

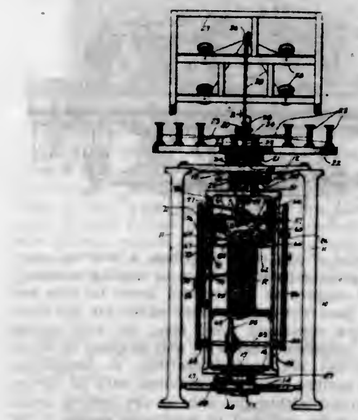
11. A regulator valve having a body and two axially alined valve seats, one of which is axially movable with respect to the other, a valve stem having two concentric valve portions one of which is adjustable axially with respect to said stem, each of said portions cooperating with a different one of said valve seats, means for adjusting said concentric portions and movable valve seat independently, and for readily restoring said movable valve seat to normal position with respect to said valve stem without affecting the adjustment of the latter.

1,590,324. OPHTHALMIC MOUNTING. ELMER L. SCHUMACHER, Southbridge, and WILLIAM H. BOUTELLE, Sturbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 14, 1924. Serial No. 749,922. 2 Claims. (Cl. 88—52.)



1. In a device of the character described, a shaped temple of composition material having complete side and ear portions which has the inherent property of returning to its original position if displaced, and having a longitudinal slot of substantially the extent of the ear portion thereof on the head side of the temple, and a strip of ductile material in the slot having the property of remaining in displaced position and of sufficient body to hold the composition material in displaced position when the ductile material is bent.

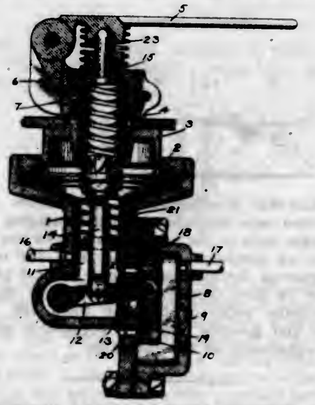
1,590,325. CORD MACHINE. ALFONSO SGRITTA, Brooklyn, N. Y. Filed July 18, 1925. Serial No. 44,425. 13 Claims. (Cl. 117—49.)



1. In a cordage machine, guide means for the several strands comprising a tubular member having a vitreous guide eye at the entrance end, means to regulate the size of the cord made thereover and therethrough, and means to support the guiding member in position.

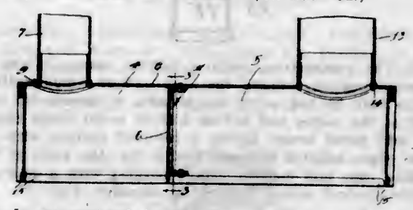
1,590,326. BRAKE-VALVE DEVICE. HENDRICK E. SIMI, Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 12, 1924. Serial No. 719,542. 2 Claims. (Cl. 303—54.)

1. A brake valve device comprising a casing, a flexible diaphragm mounted in said casing, a spring acting on said diaphragm, means for varying the pressure on said spring, a slide valve for controlling the fluid pressure for operating the brakes, a stem connected to said



diaphragm, a rocker arm pivotally connected to said stem, and a sleeve in sliding engagement with one end of said arm and pivotally connected to said valve.

1,590,327. ORCHARD HEATER. GEORGE A. SMITH and DENIS SMITH, Ontario, Calif. Filed Mar. 18, 1925. Serial No. 16,410. 5 Claims. (Cl. 158—91.)

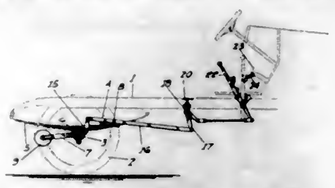


1. In an orchard heater, the combination of an oil vaporizing member, a vapor collecting chamber, means for conducting the vapors from the oil vaporizing member to the vapor collecting chamber, a combustion chamber separated from the vapor collecting chamber by a plate, a slot formed in the combustion chamber at the entrance end thereof at a point advanced from the plate, and a plurality of ports formed in the plate for directing the vapors into the air admitted through the said slot.

1,590,328. FASTENING MEANS FOR TURBINE BLADING. JOHN E. SNYDER, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,029. 4 Claims. (Cl. 253—77.)

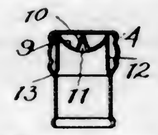
1. The combination with a turbine member provided with a blade-holding slot, of a turbine blade having depressions extending lengthwise of the blade on the convex sides of the root portion thereof, and packing pieces arranged between the blades and having lugs on the concave side thereof to fit said depressions.

1,590,329. NONSKID AUTOMOBILE ATTACHMENT. FRANK STEFANICH, Fresno, Calif. Filed May 5, 1924. Serial No. 711,108. 3 Claims. (Cl. 188—5.)



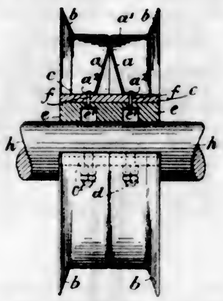
3. A non-skid attachment for automobiles including arms pivoted onto the vehicle, ground engaging members on the lower ends of the arms, a hand lever for lowering the arms, an extension projecting from the lever, and pivoted thereon for adjustment in a vertical plane, and a member on said extension adapted to be engaged by the foot-brake pedal of the car when the latter is depressed and movable into such engageable position at will by adjustment of the extension.

1,590,330. WRITING-LEAD-POINTING DEVICE. RALPH D. STEVENSON, Hubbard, Ohio. Filed Nov. 11, 1922. Serial No. 600,222. 9 Claims. (Cl. 120—92.)



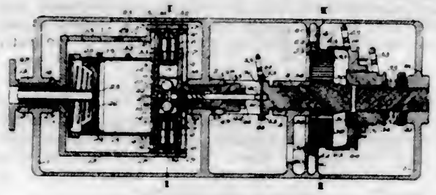
1. The combination with a hollow casing having a tapered portion through the open end of which writing leads may be fed, of a cap forming a closure for one end of the casing and having a sheet metal insert therein said metal insert having a rounded portion with its free edges adapted to contact with the side walls of the hollow cap, said member being provided with a substantially conical recess having an abrasive wall.

1,590,331. PULLEY WITH BUSHING. FREDERICK GUY STILL, London, England, assignor to J. Stone & Company Limited, Deptford, England, a British Company. Filed Dec. 1, 1924. Serial No. 753,213, and in Great Britain Sept. 17, 1924. 2 Claims. (Cl. 64—18.)



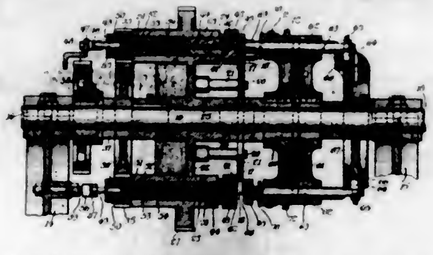
1. A combined pulley and bushing comprising semi-circular pressed steel discs each having a web portion formed with an outer peripheral rim and an inner peripheral flanged edge parallel to the rim, semi-circular hub members on which the edges are mounted, a plurality of bushing blocks spaced apart on the hub members, and means countersunk in the blocks connecting the latter to the hub members and said edges.

1,590,332. HYDRAULIC CLUTCH. ARTHUR NORMAN TEBBS, Fendalton, Christchurch, New Zealand. Filed Jan. 2, 1925. Serial No. 241, and in New Zeland Jan. 19, 1924. 9 Claims. (Cl. 192—60.)



1. A hydraulic clutch comprising a frame, a driving and a driven shaft journalled therein, a body fixed upon one of said shafts to rotate therewith, a series of cylinders formed in said body with their axes substantially radial with said shaft, a like series of pistons reciprocal one within each of said cylinders, means carried upon the other said shaft and co-operating with said pistons to reciprocate the latter within their cylinders when one of said shafts is rotated relative to the other said shaft, an axial bore in said body, an opening in the inner end of each cylinder communicating with said bore, a ball in the inner end of each cylinder to seat upon said opening thereby to intercept said communication, and means located within said bore and operable manually to unseat said balls.

1,590,333. CURLING MACHINE FOR CAPS FOR JARS. SWAN NILS TEVANDER, Maywood, Ill., assignor to Swan Metallic Seal & Cap Company, a Corporation of Illinois. Filed June 4, 1923. Serial No. 643,209. 8 Claims. (Cl. 153—59.)

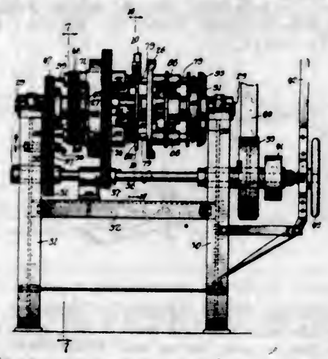


2. In a device of the class described, a delivery chute adapted to deliver caps successively to curling chucks, a curling chuck adapted to be revolved about its axis and also revolved past the said delivery chute for the caps, a holding chuck oppositely faced from the said curling chuck and in alignment therewith and adapted to be revolved bodily but not circumferentially in association with the said curling chuck end provided with an ejector mechanism carried within the body of the holding chuck and the two chucks mounted to revolve in unison in relation to the said delivery chute and mechanism for automatically moving the holding chuck to and from the curling chuck.

1,590,334. BEADING MACHINE FOR CAPS FOR JARS AND CANS. SWAN NILS TEVANDER, Maywood, Ill., assignor to Swan Metallic Seal & Cap Company, a Corporation of Illinois. Filed June 4, 1923. Serial No. 643,210. 7 Claims. (Cl. 153—9.)

1. In a device of the class described, a suitable frame provided with a central circular fixed supporting shaft, revolving blocks adapted to be mounted on and revolve around the said supporting shaft, a series of cam members supported and fixed to the said shaft in stationary

positions, revolubly mounted chucks carried by the said revolving blocks, a revolving gear mounted to revolve concentric with the said stationary frame shaft and adapted to drive the said revolving chucks, a series of beading rolls carried by one of the said revolving blocks and arranged to be adjusted to and from the said sup-

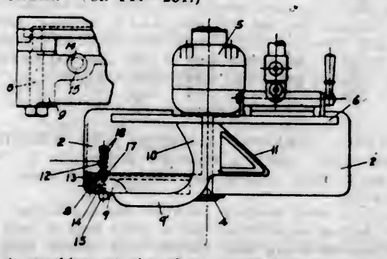


porting shaft, a series of clamping disks adapted to be adjusted to and from the said chucks and hold caps thereto, means for discharging caps from the chucks passing through the said spindles of the said chucks; in combination with suitable driving mechanism for the parts and a suitable source of supply for the caps.

1,590,335. ORNAMENTED DRESS MATERIAL AND PROCESS FOR PRODUCING THE SAME. CHARLES L. WEYAND, New York, N. Y. Filed Feb. 20, 1926. Serial No. 89,815. 3 Claims. (Cl. 101—211.)

3. The process of simulating hand batik or wax resist process for printed goods comprising the subjecting of the material to a plurality of rollers having their surface formed with parts to form the composite design, each of said rollers impressing its individual color, and one of said rollers having a mass of conglomerate lines thereon to thereby form a crackle appearance on the goods while the goods are still in their wet state.

1,590,336. CUTTER GUARD. LELAND B. WHIPPLE, Rochester, N. Y. Filed July 11, 1923. Serial No. 650,824. 2 Claims. (Cl. 144—251.)

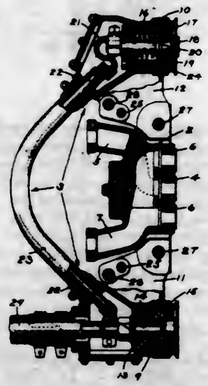


1. A machine of the character described comprising a table having a slotted web, a guard journalled relatively to said table and having a socket therein, a bolt having an end detachably engaged in said socket and a shank projecting through said slot, and a spring connected with said bolt and turning said guard about its axis.

1,590,337. CUFF BUTTON. SAMUEL A. WITTE, Chicago, Ill. Filed Feb. 18, 1926. Serial No. 89,094. 8 Claims. (Cl. 24—110.)

1. In a separable cuff button, inner and outer sections cooperating when in operative relation to form the complete button, the outer section having a stud projecting therefrom and provided with longitudinally extending slots, the inner section having an opening snugly receiving said stud, a resilient multi-armed securing member mounted in the outer section and provided with locking heads at the free ends of its arms normally projecting through the slots and beyond the outer peripheral surface of the stud, the slots extending beyond the heads to permit movement of the sections toward and away from each other while secured together, and an elastic member connecting the securing member to the outer section and urging the securing member toward said outer section.

1,590,338. ELECTRIC TRAIN-LINE CONNECTER. HARRY F. WOERNLEY, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 10, 1924. Serial No. 725,262. 3 Claims. (Cl. 213—76.)

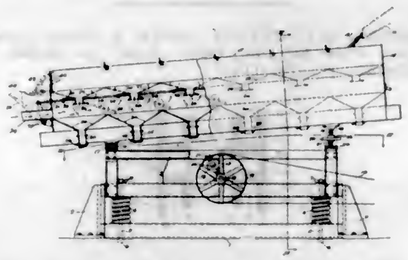


2. The combination with a car coupler, of an air line connecter and an electric train line connecter having contact casings located at opposite sides of the air line connecter and secured to the under face of said coupler.

1,590,339. DEVICE FOR SEPARATING METALS FROM DRY MATERIAL. RUFUS C. WOOD, Portland, Oreg. Filed May 23, 1925. Serial No. 32,406. 9 Claims. (Cl. 209—466.)

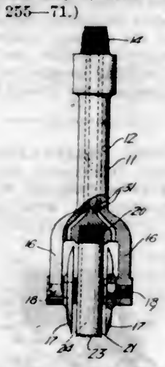
1. In an apparatus for separating valuable metals from waste material while in a dry state, the following illustrated elements in combination; a rectangular box adapted to be tilted, a longitudinal series of hoppers

of perforated material in the upper part of the box, a series of vertical chutes aligned with the lower hopper discharge openings, a series of gates arranged to open



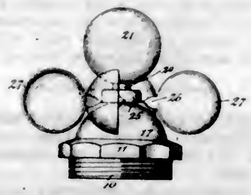
and close the hopper discharge openings, and a series of perforated hinged gates arranged to open and close the lower chute discharge openings.

1,590,340. ROTARY DISK BIT. VICTOR YORK, Los Angeles, Calif. Filed May 3, 1923. Serial No. 636,361. 6 Claims. (Cl. 255—71.)



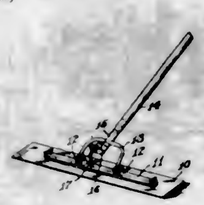
1. A disk bit comprising: a body adapted to be secured to a string of drill pipe; arms formed on said body and projecting downwardly therefrom; two pins, one threaded in, and projecting inwardly from the inner side of one of said arms, and the other threaded in, and projecting inwardly from the inner side of the other of said arms; two disks, one turning freely on one of said pins and the other turning freely on the other of said pins; and a stationary cylindrical locking member between the heads of said pins so placed as to prevent said pins from unscrewing.

1,590,341. ORNAMENTAL AMUSEMENT DEVICE. GEORGE J. ZEIS, Buffalo, N. Y. Filed Aug. 1, 1925. Serial No. 47,462. 6 Claims. (Cl. 46—14.)



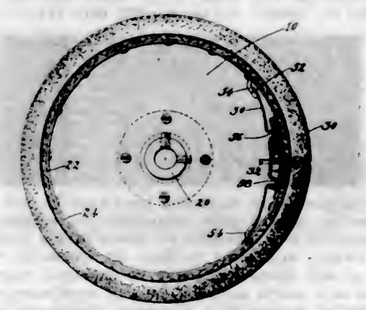
1. An amusement device having a hub, a plurality of arms radiating from said hub, and cups arranged at the outer ends of said arms, said hub-arms and cups being constructed from a single sheet of metal, each of said arms being twisted, and each of said cups having its front edge arranged in a plane, parallel with the axis of said hub.

1,590,342. SURFACER. IRA M. ABRAM, Dugger, Ind. Filed July 9, 1924. Serial No. 724,966. 1 Claim. (Cl. 72—136.)



A surfacing tool comprising a surfacing plate, a handle yoke hinged to said plate, a rock shaft journaled on the handle yoke on an axis substantially at right angles to the axis of the surfacing plate, a slotted crank arm carried by said rock shaft, and a curved finger carried by the plate and projected through said slot.

1,590,343. FINISHING WHEEL. ERNEST ASHTON, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 3, 1924. Serial No. 696,513. 6 Claims. (Cl. 51—194.)

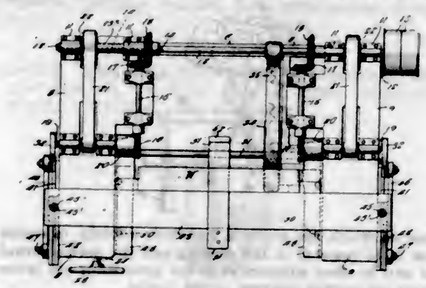


1. A finishing wheel having a peripheral flange provided with a slot extending transversely through it, pins projecting from the inside of the flange at one side of the slot to engage and secure one end of an abrasive strip which is passed around the wheel and has its other end inserted through the slot, and a securing member for said other end of the strip mounted on the inside of the flange at the other side of the slot and having a strip-engaging pin facing away from the slot.

1,590,344. COMBINED DADOING AND BELISHING MACHINE. JOHN G. CARRIER, Hickory, N. C. Filed May 7, 1924. Serial No. 711,728. 5 Claims. (Cl. 144—6.)

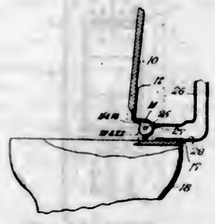
1. In a wood working machine, the combination of a table having longitudinal sills, a plate fixed to said sills near corresponding ends thereof, rails resting upon the opposite end portions of said sills, a second plate movably supported by said rails, means for adjusting the latter plate toward the former plate, aligned shafts jour-

naled upon the plates and extending longitudinally of the table, cutters carried by the inner ends of said shafts between the plates, other shafts journaled upon the plates at right angles to said first mentioned shafts and in a



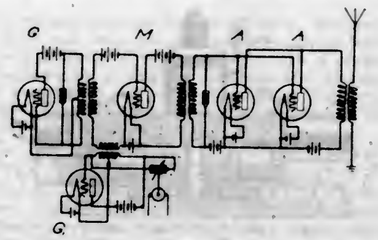
plane therewith, cutters carried by the inner ends of the latter shafts to extend between the plates immediately in front of said first mentioned cutters, a work carrier movable toward and away from said cutters, and means for rotating said shafts.

1,590,345. CLOSET VENT. THOMAS MATTHEW CLARKE, Montreal, Quebec, Canada, assignor of one-half to George Walker, Montreal, Canada. Filed July 17, 1924. Serial No. 726,514. 8 Claims. (Cl. 4—214.)



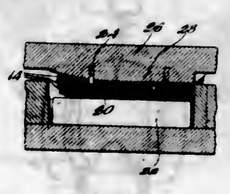
1. In a closet vent, an outlet vent pipe extending from a wide mouth forming the inlet, the latter having projecting pieces forming hinge pin bearings, a plate adapted to be secured to the seat and having an inner flanged end curved to form a closure for said wide mouth and end pieces to said curved portion forming hinge pin bearings, and a hinge pin inserted in said bearings to join said plate pipe extension.

1,590,346. RADIO DIRECTION FINDING. LEWIS M. CLEMENT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1920. Serial No. 412,807. 2 Claims. (Cl. 250—11.)



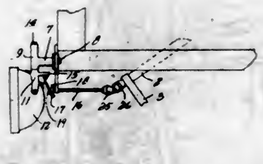
1. The method of direction finding which comprises generating a continuous wave, modulating said wave in accordance with a wave having a cyclically and continuously varying frequency to thereby simulate a damped wave and therefore to insure its rectilinear propagation, rectilinearly transmitting said modulated waves in all directions, and directively receiving said modulated wave.

1,590,347. METHOD OF MAKING HEELS. JOSEPH EDWIN MARKHAM COOKE, Stafford, England. Filed Mar. 5, 1924. Serial No. 697,160. 3 Claims. (Cl. 18—59.)



2. A method of making heels for boots and shoes which consists in cutting a relatively thin lift from ply-wood, assembling a series of such lifts, shaping the series of lifts to cause the assembled lifts to be curved in section, and finally assembling the ply-wood body with a blank of rubber in a heel mold and subjecting the two to vulcanizing heat and pressure while retaining the body in a predetermined position within the mold.

1,590,348. LIGHT. JOSEPH ARTHUR DAWSON, Portland, Oreg. Filed July 16, 1923. Serial No. 651,904. 1 Claim. (Cl. 240—62.)

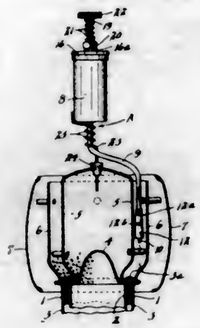


The combination with the side frame member and the front frame member of a motor vehicle, of an L-shaped support including a transverse arm and a depending arm at the inner end of the transverse arm, the transverse arm being secured to the front frame member, the outer end of the transverse arm projecting laterally beyond the side frame member, and the lower end of the depending arm being extended below the front frame member, a bracket projecting forwardly from the transverse arm at the outer end thereof, a securing element connecting the bracket with the outer end of the transverse arm, and located outwardly of the side frame member, means for supporting a lamp for swinging movement in the bracket, a shaft journaled in the lower end of the depending arm and disposed below the front frame member, the shaft being located longitudinally of the side frame member, means for connecting the shaft operatively with the lamp, and means for operating the shaft.

1,590,349. LIGHTING DEVICE FOR KEROSENE STOVES. RUDOLPH H. DIECKHOFF and EMIL C. DIECKHOFF, Minneapolis, Minn.; said Emile C. Lieckhoff assignor to Frances Dieckhoff, Minneapolis, Minn. Filed Dec. 5, 1923. Serial No. 678,601. 10 Claims. (Cl. 158—90.)

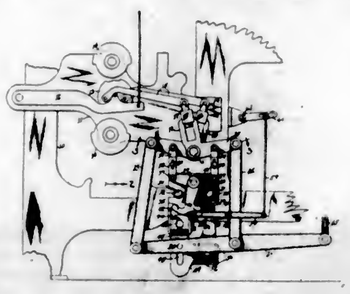
7. The combination with an oil burner of a lighting device having in combination, a casing, means for supporting the same from said oil burner for rotating movement thereon, dispensing means connected to said

casing depending at one side of said burner for dropping lighted fuel into said burner, said supporting means being eccentric to said casing and being rotatable relatively



thereto, whereby said dispensing means can be positioned at different radial distances from the central axis of said casing.

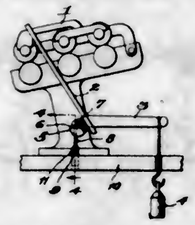
1,590,350. COLOR INDICATOR FOR WEFT-REPLENISHING LOOMS. CHARLES A. DIGGINS, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1924. Serial No. 750,670. 7 Claims. (Cl. 139—232.)



1. In a color indicator for weft replenishing looms having a plurality of shuttle boxes, a pair of box lifting angle levers having arms extending in opposite directions, a pivotal support common to said angle levers located between the oppositely extending arms, a cam lever for each angle lever, each cam lever having relatively high and low cam surfaces, a system of compound levers to cooperate with the high and low surfaces of the cam levers, the high and low surfaces of the cam levers being concentric, and connections between the oppositely extending ends of the angle levers and the cam levers to cause said cam levers to move with the angle levers.

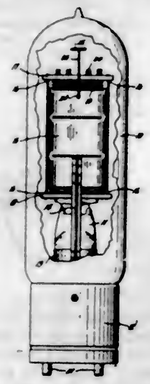
1,590,351. ADJUSTING MEANS FOR WEIGHT LEVERS. EZRA DIXON, Bristol, R. I. Filed Dec. 16, 1925. Serial No. 75,772. 1 Claim. (Cl. 19—136.)

A weight lever adjustment for spinning machines including in combination with a lever having a pair of spaced and relatively wide fingers extending outwardly and downwardly from the inner end therof, an integral adjusting device composed of an elongated screw having a reduced shank and a ball on the outer end of the shank, the shank being freely turnable in the space between the fingers and the ball being engaged with the upper edges of the fingers and with said inner end of the lever, said screw being formed intermediate its ends with a transverse opening located above the part of the machine



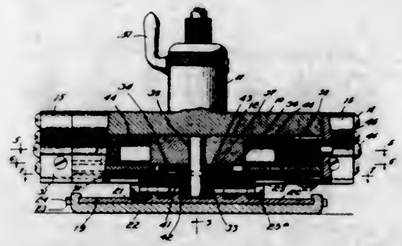
frame on which the screw is mounted, whereby to enable a pin to be inserted in the opening and the device turned as a unit to effect adjustment of the lever while the latter retains its normal relation to the device.

1,590,352. ELECTRON-DISCHARGE DEVICE. JAMES M. EGLIN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1924. Serial No. 721,348. 11 Claims. (Cl. 250—27.)



1. An electron discharge device having an electrode, a wire ring supported from said electrode and a reducing medium in contact with said ring.

1,590,353. RUBBING MACHINE. GUSTAF H. EKSTROM, Rockford, Ill., assignor to C. Paul Parker, trustee, Evanston, Ill. Filed June 11, 1923. Serial No. 644,566. 3 Claims. (Cl. 51—175.)



1. A portable rubbing machine having, in combination, a motor body having a plurality of laterally spaced cylinders, a pair of pistons, one reciprocable in each cylinder, said pistons having open hollow ends, weighted

end members mounted on the ends of said body, and plugs mounted on said end members and extending into said hollow end of said pistons, said weighted end members and said plugs serving to reduce side wabble and peripheral vibration resulting from reciprocation of said pistons.

1,590,354. AMMETER RECEPTACLE. GEORGE G. ERB, New York, N. Y. Filed Nov. 30, 1923. Serial No. 677,912. 1 Claim. (Cl. 171—95.)

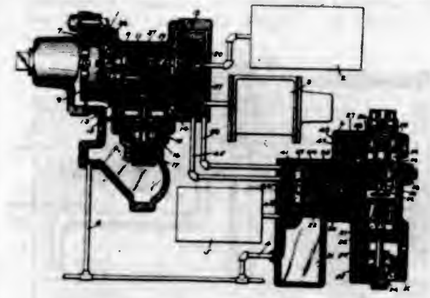
A receptacle for an electrically operated instrument comprising an open faced body portion, having a substantially flat back and sides integral therewith, said sides having means adapted to retain an ammeter in service relation to said body portion, said back being rearwardly bowed in one part thereof to form a protecting hood, a rearwardly extending supporting bracket formed above said hood on said flat back, and the opposed sides of the said hood being apertured in alinement for the passage of an electric conductor entirely therethrough.

1,590,355. SUBSTATION TELEPHONE INSTRUMENT. JOHN ERICKSON, Chicago, and HERBERT F. OBERGFELL, River Forrest, Ill., assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 5, 1922. Serial No. 549,733. 6 Claims. (Cl. 179—100.)

2. In combination, an instrument base, instruments mounted on said base and adapted to cooperate with a desk stand separate therefrom so as to form a complete desk telephone set, a cover for said base, and instrumentalities mounted on said cover and adapted to cooperate with the instrumentalities mounted on said base to form a complete wall telephone set.

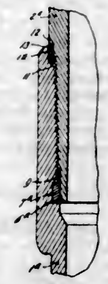
1,590,356. FLUID-PRESSURE BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 21, 1924. Serial No. 714,993. 10 Claims. (Cl. 303—46.)

1. In a fluid pressure brake, the combination with a brake pipe, brake cylinder, and a valve device operated upon a reduction in brake pipe pressure for supplying fluid to the brake cylinder, of a source of fluid under pressure, a valve mechanism operated only upon a sudden reduction in brake pipe pressure for venting



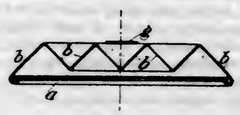
fluid from the brake pipe, and means controlled by said valve mechanism for supplying fluid from said source to the brake cylinder.

1,590,357. PIPE JOINT. FREDERICK L. FEISTHAMEL, Los Angeles, Calif., assignor to John F. Penrose, New York, N. Y. Filed Jan. 14, 1925. Serial No. 2,381. 3 Claims. (Cl. 285—146.)



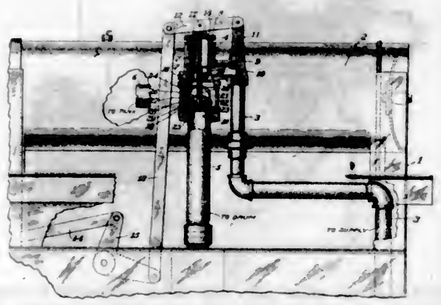
1. A rigid pipe joint comprising: a member having an internally screw-threaded end; a second member having an externally screw-threaded end for engagement into said first member; and a compressible packing ring interposed between opposed unthreaded peripheral surfaces of said members, one of said surfaces being longitudinally angled to cause radial compression of said ring during relative joint tightening translation of said members.

1,590,358. SIGNAL REFLECTOR. WILLIAM RAYMOND FINLAY, Victoria, British Columbia, Canada. Filed Feb. 20, 1922. Serial No. 537,974. 4 Claims. (Cl. 88—1.)



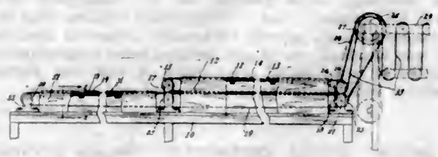
1. In a signal reflector the combination of a transparent face plate covering the base of a truncated conical reflector, two concentric truncated conical reflectors, placed with their apices in opposite directions, a central conical reflector placed with its apex towards said face plate, all reflecting surfaces at any radial section being so placed that adjoining surfaces form a right angle with each other.

1,590,359. THREE-WAY VALVE. CHARLES E. FOOTE, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a Corporation of New York. Filed Apr. 15, 1925. Serial No. 23,368. 3 Claims. (Cl. 251—22.)



1. In a valve construction, a valve body comprising two superimposed chambers, said chambers provided with openings so that the water may flow from the upper chamber to the lower chamber, the upper chamber provided with a main supply port and the walls of the upper chamber forming a cylinder for the reception of a counterbalancing piston, the lower chamber provided with a discharge opening in its bottom and on one of its sides, a counterbalancing piston within the cylinder formed by the upper chamber walls and having an integral stem extending into the lower of said chambers and provided with closure means thereon to close the lower opening in the upper chamber and the discharge opening in the bottom of the lower chamber, and means for operating the piston to thereby selectively close either of said last mentioned openings.

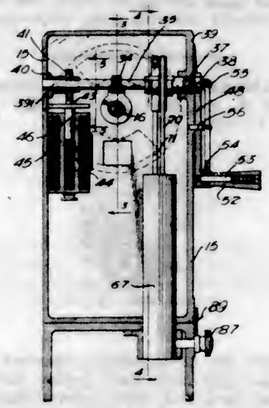
1,590,360. METHOD AND APPARATUS FOR ASSEMBLING SHEET MATERIAL. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 16, 1922. Serial No. 561,550. 10 Claims. (Cl. 154—1.)



3. Apparatus for assembling tire-fabric comprising means for supporting a plurality of pieces of said fabric while the latter are being spliced, means for similarly supporting other pieces of said fabric, and means for progressively drawing respective units of the work from said supporting means into face to face contact with each other.

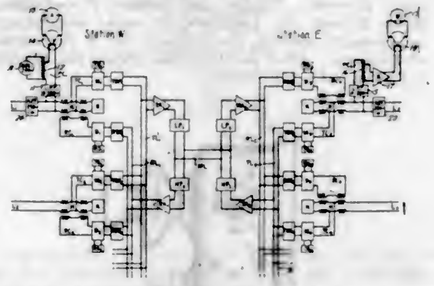
1,590,361. SHUTTER-CONTROL DEVICE FOR MOTION-PICTURE MACHINES. FRANK E. GARBUTT and RALPH G. FEAR, Los Angeles, Calif., assignors to Famous Players-Lasky Corporation, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,282. 10 Claims. (Cl. 88—19.3.)

1. In a device of the class described, the combination of: a shutter; a control plate associated with said shutter; means for rotating said shutter and said control plate synchronously; means for incurring such a relative movement between said shutter and said control plate that the effective light aperture of said shutter and said



control plate may be varied; and stop means for automatically limiting the movement between said shutter and said control plate.

1,590,362. TRANSMISSION REGULATION. ROBERT D. GIBSON, Rahway, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 708,604. 9 Claims. (Cl. 179—15.)



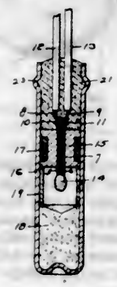
1. In a transmission system, the method which comprises transmitting signal and control waves over a variable transmission medium as modulations of the same carrier wave, and utilizing the control wave so transmitted to indicate changes in the transmission characteristics of said medium.

1,590,363. REMOVABLE DENTAL BRIDGE. CARL GISSKE, San Francisco, Calif. Filed Sept. 22, 1924. Serial No. 739,139. 6 Claims. (Cl. 32—12.)

1. A dental bridge comprising a lower plate formed in two sections adapted to be detachably mounted between two teeth to span a space intervening therebetween due to the extraction of one or more teeth; means formed upon adjacent ends of the sections for limiting relative longitudinal movement between said sections;

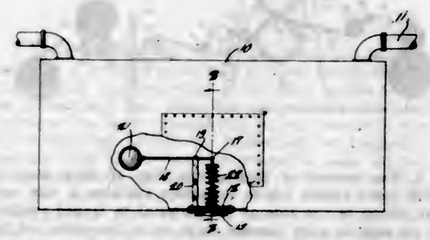
and an upper plate adapted to be detachably engaged and retained by the lower plate, said upper plate being provided with teeth secured thereon to replace the extracted teeth.

1,590,364. ELECTRIC BLASTING CAP. HARRY L. GRANT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed July 22, 1925, Serial No. 45,327. Divided and this application filed Dec. 7, 1925. Serial No. 73,638. 6 Claims. (Cl. 102—10.)



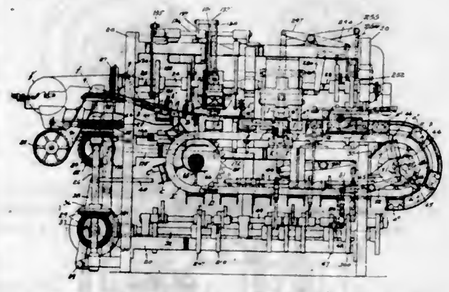
2. A device of the character described comprising a shell, an electrical fuse head assembly, a body of dielectric material of spool-like form through which the fuse head assembly projects and which body fits snugly within the shell, a water-proof gasket surrounding said body and fitting snugly within the shell and a charge within the shell below the said body.

1,590,365. MAIN DRAIN. ARTHUR W. GRIMM, Nogales, Ariz., assignor of one-half to Frank D. Phillips, Nogales, Ariz. Filed Aug. 2, 1924. Serial No. 729,851. 1 Claim. (Cl. 137—103.)



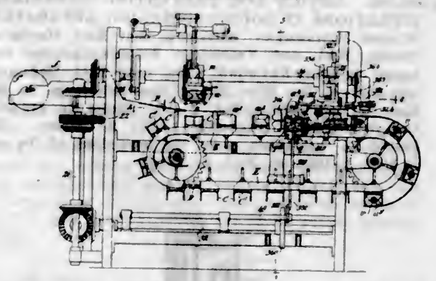
The combination with a gas conduit, of a tank located below the level of the conduit and having its opposite ends connected to said conduit, whereby gas passing through the conduit will pass through the tank, a discharge port for the tank, a spider secured over the port, a valve seat surrounding the port and spaced from the spider, a valve for the seat, a vertically disposed stem extending from the valve into the tank and guided through the spider, a collar upon the stem, a spring located upon the stem between the collar and spider to seat the valve, a standard rising from the spider, a horizontally disposed arm pivotally mounted within the standard and having one end pivotally secured to the stem and a float at the other end of the arm to open the valve when a predetermined amount of liquid collects within the tank.

1,590,366. PACKAGE-WRAPPING MACHINE. PAUL H. GRIMM, Glen Cove, and FRANK L. COCKS, Brooklyn, N. Y., assignors to Arbuckle Brothers, New York, N. Y., a Firm comprising William A. Jamison, Catherine A. Jamison, and Christina Arbuckle. Filed Jan. 27, 1921. Serial No. 440,378. 78 Claims. (Cl. 93—7.)



1. In a wrapping machine, feeding means for intermittently advancing a strip of paper, a table receiving the paper fed, means for cutting off the paper to leave a sheet on said table, means for folding the sheet engaging it while on said table, and means for temporarily holding such sheet against displacement, operative to lightly engage the sheet before it is cut off, and to hold it until drawn therefrom by the folding means.

1,590,367. LABEL-APPLYING MECHANISM. PAUL H. GRIMM, Glen Cove, and FRANK L. COCKS, Brooklyn, N. Y., assignors to Arbuckle Brothers, New York, N. Y., a Firm comprising William A. Jamison, Catherine A. Jamison, and Christina Arbuckle. Original application filed Jan. 27, 1921, Serial No. 440,378. Divided and this application filed Feb. 16, 1923. Serial No. 619,418. 10 Claims. (Cl. 216—12.)

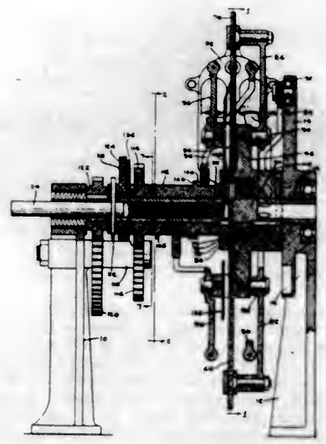


I. Mechanism for applying adhering labels to an article, comprising a magazine carrying a stack of labels, a follower for pressing against the stack of labels, a reciprocating carrier on which said magazine and follower are mounted, a slow-feed advancing means adapted to move said follower with respect to the said magazine to compensate for the diminution of the label stack, and a yielding means interposed between the label stack and said reciprocating carrier, whereby the labels may be pressed yieldingly against the article and without subjecting it to the impact of the reciprocating carrier.

1,590,368. REVOLVING EXPLOSIVE ENGINE. HERMAN G. HAASE, Minneapolis, Minn. Filed May 14, 1923. Serial No. 638,837. 4 Claims. (Cl. 123—43.)

1. A revolving explosive engine comprising a main shaft, a plurality of curved cylinders arranged in the form of spaced segments of a circle around said shaft and secured thereto, curved pistons working in said

cylinders, inlet and outlet valves for said cylinders, an annular member secured to said shaft, levers intermediately pivoted to said annular member, said levers being attached at one end to said inlet and outlet valves, a sleeve rotatably mounted on said shaft and having a

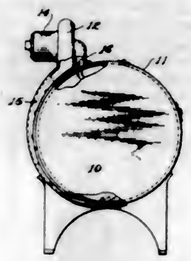


plurality of cams in staggered relation around its periphery for engagement with said levers, a gearing for driving said sleeve from said shaft, said gearing having a gear ratio such that said sleeve will be rotated at the proper speed to open said valves once while said shaft makes two revolutions.

1,590,369. DEVICE FOR PREVENTING UNDESIRED VIBRATIONS IN SOUND SIGNALING APPARATUS. WALTER HAHNEMANN, Kitzeberg, near Kiel, HEINRICH HECHT, Kiel, and FERDINAND SCHENKELBERGER and ALARD DU BOIS-REYMOND, Plon, near Kiel, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Feb. 4, 1921, Serial No. 442,587, and in Germany June 30, 1917. 9 Claims. (Cl. 181—0.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

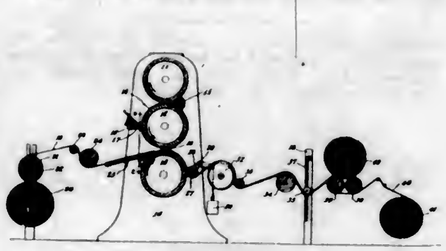
8. In a sound signaling apparatus, a sound radiating diaphragm; and a vibratory structure comprising two masses and a diaphragm connecting the two masses, the last-named diaphragm extending parallel to the radiating diaphragm, and one of the said masses being attached to the radiating diaphragm, this mass being heavier than the second mass and basin-shaped, and attached to the periphery of the connecting diaphragm, the middle portion of the basin-shaped mass comprising an electromagnet, and the said second mass being attached to the middle of the connecting diaphragm and forming an armature of the said electro-magnet.

1,590,370. WASHING MACHINE. ZACHEUS HALLQUIST, Oakland, Calif. Filed Dec. 26, 1924. Serial No. 758,076. 2 Claims. (Cl. 68—37.)



2. A washing machine comprising a horizontally disposed cylindrical tank, an air blower, a connection between the discharge port of the blower and the interior of the tank, said connection opening tangentially into the tank, said air blower being adapted to project a column of air into the tank at a velocity to cause the contents of said tank to swirl rapidly therein and thereby create a washing action.

1,590,371. METHOD OF AND APPARATUS FOR EDGING FABRIC STRIPS WITH RUBBER. URBAN HAREN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1924. Serial No. 742,595. 7 Claims. (Cl. 154—1.)

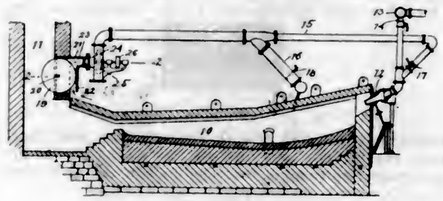


1. The method of binding the edge of strip material with sheet rubber which comprises applying a thin rubber ribbon to one side of the material in lapped relation to its edge in such manner as to place the rubber of the ribbon under tension, and thereafter utilizing the tension in the rubber to cause the over-extending portions of the ribbon to fold around the edge of the material.

1,590,372. PREPARATION OF STERILIZING AGENTS, GERMICIDES, AND THE LIKE. CHARLES HENRY HASLER HAROLD, Aldershot, England, assignor to United Water Softeners, Limited, London, England, a British Company. Filed Jan. 2, 1926, Serial No. 79,031, and in Great Britain Mar. 23, 1925. 5 Claims. (Cl. 167—3.)

1. A process for the production of a sterilizing agent which consists in adding a solution of chlorine to a solution of an ammonium salt, the solutions being of such relative strengths that said solution of ammonium salt contains an amount of the ammonium radicle (NH_4) of between .025 grammes and 2 grammes to each gramme of chlorine in said chlorine solution.

1,590,373. FURNACE. AUSTIN A. HOLBECK, Cleveland, Ohio. Filed Oct. 29, 1923. Serial No. 671,333. 6 Claims. (Cl. 263—15.)



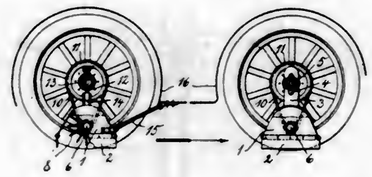
1. The method of heating a fluid to be supplied to a furnace, which comprises conducting said fluid through an inlet passage, a portion of which is adjacent the passage through which exhaust gases are discharged from the furnace, subjecting portions of a heat absorbing element successively to the action of the exhaust gases and to the fluid to be heated by moving said heat absorbing element so as to bring heated portions thereof from the exhaust passage into the inlet passage, and preventing passage of fluid with the moving element from one passage to the other.

1,590,374. RADIO TRANSMISSION SYSTEM. LAWRENCE C. F. HORLE, Newark, N. J., assignor to Federal Telephone Manufacturing Corporation, Buffalo, N. Y., a Corporation of New York. Filed Jan. 16, 1926. Serial No. 81,626. 6 Claims. (Cl. 250—17.)

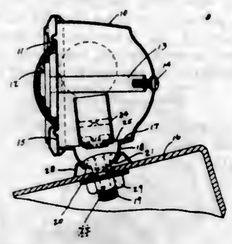
2. A radio transmitting system comprising a control station and a radio transmitting station, means at the control station for generating a line wire carrier wave, means comprising line wires for transmitting the carrier wave to the radio transmitting station, means at the radio transmitting station for increasing the frequency of the line wire carrier wave to produce a radio carrier wave of comparatively high frequency relatively to that of the line carrier wave, means at the control station for generating a wave of signal frequency, means comprising line wires for transmitting the signal frequency wave to the radio transmitting station, and means at the radio transmitting station for modulating the radio carrier wave by the signal frequency wave.

1,590,375. MUD GUARD FOR MOTOR CARS. HENRY WILLIAM HVIID and JULIUS AUGUST JENSEN, Copenhagen, Denmark. Filed Aug. 1, 1923, Serial No. 655,109, and in Denmark Feb. 27, 1922. 1 Claim. (Cl. 280—157.)

In mud-guards for motor-cars the combination, with a plate suspended on the wheel-shaft beside the carringe wheel, and a bladed rotor operated by the wheel, of a casing shut at the ends and carrying the said plate, a shaft placed in the said casing, a turnable hub mounted on the said shaft and forming part of the bladed rotor, said rotor being arranged behind the said plate so that it conveys the particles of dirt splashed up away in a direction parallel to that in which the car is moving, a small disc connected with the said hub, a larger disc attached to the hub of the carriage wheel, a belt connecting the said discs, and an adjustable suspension-piece connected with the said casing and carried by a pivot placed on the wheel-shaft, substantially as set forth.

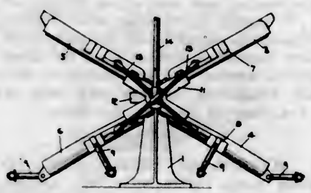


1,590,376. LAMP MOUNTING. SAMUEL W. HYATT, Connersville, Ind., assignor, by mesne assignments, to Indiana Lamp Corporation, Connersville, Ind., a Corporation of Delaware. Filed July 25, 1925. Serial No. 46,118. 2 Claims. (Cl. 240—7.1.)



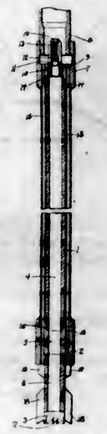
1. A lamp support comprising a lamp socket, a saddle to which said lamp socket is secured, a plate to which said saddle is secured, a downwardly extending spherical portion formed on said plate and having an enlarged opening therethrough, and a bolt adapted to extend through said opening and having an enlarged head thereon for seating in said spherical portion, whereby said bolt will normally be free to move about the center of curvature over said portion within the limits of the opening therein.

1,590,377. TIRE-VULCANIZING MOLD. FRANK L. JOHNSON, Akron, Ohio. Filed Aug. 29, 1925. Serial No. 53,304. 7 Claims. (Cl. 18—38.)



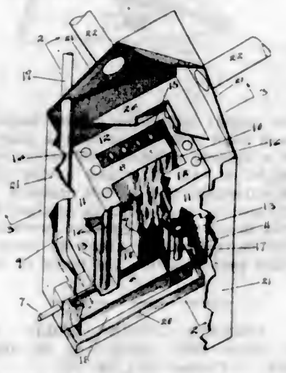
1. An apparatus for the vulcanization of rubber articles, comprising two mold units each comprising separable sections, a common pivot for the mold units, and a rigid connection between two sections of the mold units.

1,590,378. ROTARY CORE DRILL. GEORGE KAMMERER, Whittier, and FRANK HILL, Los Angeles, Calif., assignors to Spengler Core Drilling Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 15, 1924. Serial No. 737,733. 3 Claims. (Cl. 255—72.)



1. A rotary core drill comprising a core receiving barrel having a plurality of pipes welded to the barrel, core forming cutters at the lower end of the drill, core enlarging cutters secured to the lower end of the drill, and a self closing valve at the upper end of said barrel.

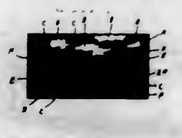
1,590,379. FURNACE. CHARLES G. KAISER, Portland, Oreg. Filed Mar. 5, 1925. Serial No. 13,153. 4 Claims. (Cl. 126—116.)



1. In a furnace; a combustion chamber; a chambered member surrounding said combustion chamber and spaced therefrom; a casing surrounding said chambered member and spaced therefrom; and inclined tubes passing through said chambered member from the space between said chambered member and said casing to the space between said chambered member and said combustion chamber, and directed towards the latter.

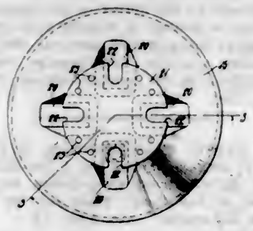
1,590,380. METHOD OF REPRODUCING PICTURES. GLEN IRVIN KEEL, Indianapolis, Ind., assignor of one-half to Moore Brothers Company, a Partnership composed of Fred H. Moore, James R. Moore, and Levi P. Moore, Rochester, Ind. Filed May 2, 1925. Serial No. 27,342. 5 Claims. (Cl. 41—38.6.)

1. The process of producing multi-colored pictures or designs consisting of providing a plurality of mesh screens, blocking out a portion of the first screen excepting for an area representing a color of relatively small area, blocking out a second screen excepting for a portion representing the combined area of the color of



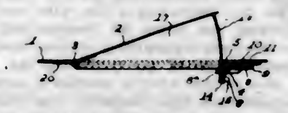
relatively small area and the color of the next larger area, running the color through the second screen first and thereafter running the color though the first screen so as to cover a portion of the color first run.

1,590,381. INSULATOR CAP. BENJAMIN W. KERR, Greensburg, Pa., assignor to Railway and Industrial Engineering Company, Greensburg, Pa., a Corporation of Pennsylvania. Filed Mar. 13, 1922. Serial No. 543,395. 3 Claims. (Cl. 173—313.)



1. A metallic insulator cap comprising a shell adapted to fit over the upper end of an insulator and to receive cement for securing the said shell to the insulator, a wall closing the top of said shell, the said wall having a plurality of grooves therein of a width to receive a bolt head and flanges overlying the respective grooves and having bolt-receiving slots opening into the same.

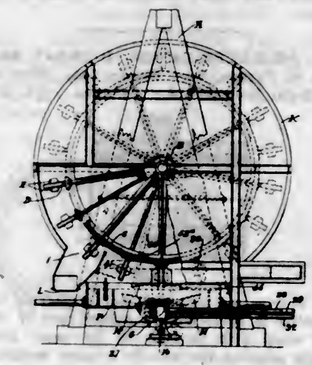
1,590,382. FOOT REST. ROBERT N. KING, East Cleveland, Ohio. Filed Aug. 29, 1925. Serial No. 53,253. 7 Claims. (Cl. 296—75.)



1. A foot rest comprising a flat frame adapted to be applied to the floor of a vehicle or the like and having an opening therein, a foot rest plate hingedly connected to one of the edges of the frame adjacent the opening and adapted to be either swung upwardly into an angular position or swung downwardly into the opening, depending walls projecting from the edge and ends of the foot rest plate to close the space between the plate and the frame when the plate is raised, a latch bar mounted upon the frame and engaging one of the depending walls of the foot rest plate to lock the latter in either a raised position or lowered position.

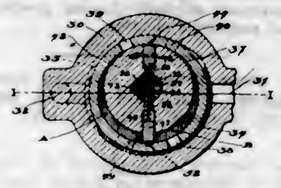
1,590,383. PULP-FORMING MACHINE. GEORGE H. KIRSCH, Larkspur, Calif. Filed Nov. 20, 1924. Serial No. 751,010. 11 Claims. (Cl. 92—57.)

1. In a machine of the character described, a pulp containing tank, a primary mold adapted to be intermittently submerged and elevated with relation to the pulp in the tank, a drum disposed above the tank, a plurality of interspaced secondary molds carried by the drum, means for imparting a step by step intermittent rotary movement to the drum to bring the secondary molds one by one into register with the primary mold, means for applying a coating of pulp to the primary mold when sub-



merged in the pulp tank, means for elevating the primary mold to a position in engagement with a secondary mold, means for transferring the pulp from the primary to said secondary mold, means for drying the pulp on the secondary mold, and means for removing the pulp when dry.

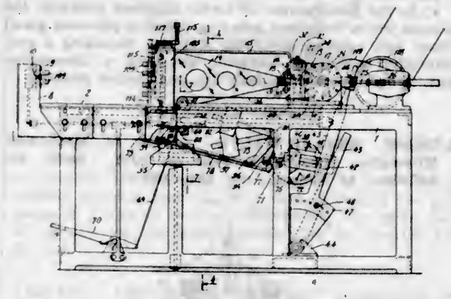
1,590,384. REFRIGERATING APPARATUS. ANDREW A. KUCHER, Chester, Pa. Filed Nov. 4, 1922. Serial No. 599,019. 14 Claims. (Cl. 230—30.)



1. The combination with a cylinder member having inlet and outlet ports, of a second cylinder member mounted to be relatively rotatable therein, an eccentrically mounted member disposed within said second member and having radial openings, a pair of members movable inwardly and outwardly with respect to said eccentric member and engaging said second member to effect alternately expanding and contracting chambers communicating with the ports, helical springs disposed in said radial openings and engaging said pair of members for biasing the latter outwardly, and rods surrounded by said helical springs.

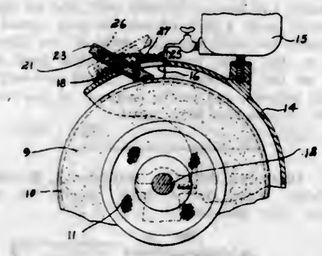
1,590,385. SLATE-SPLITTING MACHINE. VINCENT F. LAKE, Demarest, N. J., assignor to Slate Veneer Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,666. 14 Claims. (Cl. 125—23.)

1. A slate-splitting machine comprising a frame, a carriage, means for reciprocating the carriage, a splitting-tool supported on the carriage, means mounted on the carriage for applying a rapid succession of impulses to the tool when splitting, a support for the slate, clamps for engaging the slate at its ends and centering it with respect to the path of the splitting tool, and means for



closing the clamps at both ends simultaneously and opening the clamps at the front end in advance of those at the rear end.

1,590,386. HONING DEVICE. EMERY A. LAVALLEE, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 21, 1925. Serial No. 10,862. 3 Claims. (Cl. 125—11.)



1. In a device of the character described, a rotatable grindstone, a support adjacent the periphery of the grindstone, a honing member pivoted on the support so that one end of the honing member may be swung into contact with the stone, an attaching member on the support and a spring connected at one end to the honing member at a point intermediate the pivot and the end of the honing member that does not contact with the grindstone and at the other end to the attaching member whereby the spring will tend to hold the honing member against the grindstone when it is moved on its pivot to the operative position and will tend to hold it out of contact when moved on its pivot to the inoperative position.

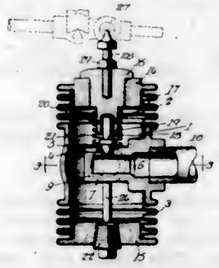
1,590,387. SPINNING FLIER. JOHN ELMER LAWTON, Coudersport, Pa. Filed Jan. 11, 1926. Serial No. 80,647. 8 Claims. (Cl. 118—57.)

1. A flier of the character described comprising a cross bar adapted to be mounted on a driving spindle, and an angular flier wire detachably connected to each end of the cross bar with its vertical depending outer end portion engaged with the adjacent outer end of the cross bar so as to restrain the flier wire from swinging laterally relative to the cross bar.

1,590,388. MANUFACTURE OF DRY PRODUCTS FROM PANCREAS. ROBERTO LEPETIT, Milan, Italy. Filed Sept. 22, 1922. Serial No. 589,952, and in Italy Nov. 12, 1921. 17 Claims. (Cl. 149—3.)

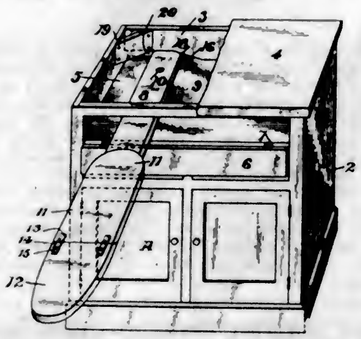
4. In the manufacture of useful pancreas products, the process which comprises grinding together pancreas gland tissue and moisture-absorbing material, including a substantially anhydrous inorganic salt, and a nitrogenous salt, to obtain a substantially dry comminuted product.

1,590,389. SEALED VALVE. ALFRED W. MELLOWES, Milwaukee, Wis. Filed Feb. 25, 1921. Serial No. 447,680. 11 Claims. (Cl. 251—155.)



10. A valve comprising a fixed central casing open at opposite sides and having a valve seat, and an inlet port and an outlet port, a pair of bellows each closed at one end, arranged on said opposite sides of the casing and subjected to the same pressure, a valve head movable with one of the bellows, means rigidly connecting the ends of the bellows, and means external of the casing for moving the bellows and valve head.

1,590,390. IRONING BOARD. WILLIAM N. MILLER, Oakland, Calif. Filed Oct. 6, 1923. Serial No. 666,875. 2 Claims. (Cl. 68—10.)



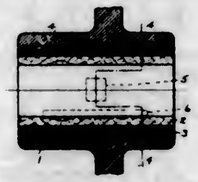
1. The combination with a cabinet having a compartment formed therein, of a beam pivotally secured in the compartment and adapted to be swung horizontally about a pivot into or out of the compartment, means engageable with one end of the beam for frictionally securing the beam against swinging movement when out of the compartment and an ironing board supported by the beam.

1,590,391. DYNAMO DRIVE FOR RAILWAY CARS. ADELARD PARENT, Chapleau, Ontario, Canada. Filed Sept. 3, 1925. Serial No. 55,100. 3 Claims. (Cl. 74—43.)

1. In combination with an axle and shaft, toothed wheels mounted on said axle and shaft, a chain consisting of interconnected U-shaped links trained over said toothed wheels, the teeth of the wheels being received in the links

of the chain, and roller sleeves surrounding the sides of the links.

1,590,392. SELF-LUBRICATING JOURNAL BEARING. ARTHUR H. PETERS, Fort Wayne, Ind. Filed Dec. 23, 1922. Serial No. 608,618. 2 Claims. (Cl. 22—123.)



1. The process of forming self-lubricating bearings which consists in preforming a hollow core of lubricant-saturated wood with cavities in its outer periphery; then axially aligning the core in a cored housing whose inner diameter is greater than the outer diameter of the core and whose inner wall is grooved longitudinally, and finally pouring into the space between the core and the housing a molten material adapted to solidify upon cooling, said material filling the cavities and the grooves and permanently securing the core to the housing.

1,590,393. BLASTING-POWDER COMPOSITION. CARL D. PRATT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Original application filed May 31, 1924, Serial No. 717,140. Divided and this application filed June 4, 1925. Serial No. 35,017. 2 Claims. (Cl. 52—17.)

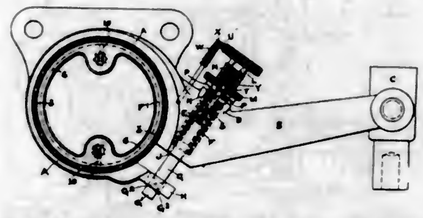
1. An explosive of the character described consisting of the constituents of black blasting powder, a carbohydrate, and ammonium chloride.

1,590,394. DOOR HOLDER. SAMUEL JOSEPH RAWLINGS, Kearny, N. J. Filed Sept. 10, 1925. Serial No. 55,510. 1 Claim. (Cl. 292—182.)

In combination with a door, a holder therefor comprising a barrel secured to the lower portion of the door, a plate secured to the door above the barrel and

provided with an outstanding bearing, a plunger extending within the barrel through the lower end thereof, means for constantly urging the plunger inwardly of the barrel, a rod engaged with the plunger and slidably disposed through the bearing of the plate, a double acting cam pivotally supported by the plate above the rod constantly in contact therewith, and an operating handle for the cam.

1,590,395. REBOUND DAMPER AND SHOCK ABSORBER FOR MOTOR ROAD VEHICLES. FRANK SMITH, Elland, England. Filed Nov. 25, 1924, Serial No. 752,134, and in Great Britain Jan. 21, 1924. 11 Claims. (Cl. 188—130.)



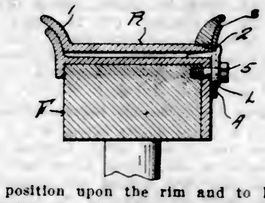
1. A shock absorber for vehicles comprising a brake band, a lever forming a part of said band, brake lining within the band, a removable cover plate for said band and lining, means for securing the cover plate in position including a device for supplying lubricant to the brake lining, and means for adjusting the brake band.

1,590,396. CHIMNEY STOP. JOHN HARDY SUTTON, La Grange, N. C. Filed Apr. 15, 1925. Serial No. 23,309. 2 Claims. (Cl. 126—140.)

1. A cover of the character described comprising a plate-like body adapted to be disposed at the front of a fire-place opening in position to cover said opening, said body having an opening formed in the upper portion thereof, a fastening member comprising a pair of bar-like sections having the adjacent ends thereof adjustably connected, the outer of said bar-like sections having the adjacent ends thereof adjustably connected, having a downwardly and rearwardly turned end portion formed with an aperture in alinement with the opening in the body of the cover, a nut carried by said downwardly and inwardly turned end portion, and a handle positioned at the front of the cover and having a shank extended through said alined openings, and in threaded engagement with said nut, and a stud projection fast in a wall of said fire-place opening, the inner bar section of said fastening member being attached to said stud projection.

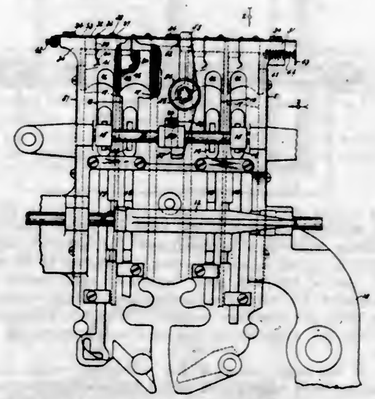
1,590,397. TIRE RIM. FREDERICK LEE TODD, Moberly, Mo., assignor to Henry Schaffer, Chicago, Ill. Filed Sept. 29, 1925. Serial No. 59,384. 1 Claim. (Cl. 301—19.)

A demountable rim, a separable side flange threaded upon the rim, a plate fixed to the flange and extending inwardly of the flange a distance to overlie a side face of a wheel rim to which the rim may be applied, said plate being provided with an opening through which a rim lug is adapted to be disposed to hold the flange



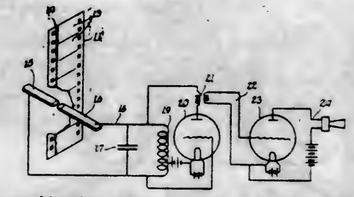
in applied position upon the rim and to hold the rim against creeping upon the felly, said opening in the plate being of a size to receive substantially the entire head of the rim lug and being entirely free of coaction with the rim.

1,590,398. DEVICE TO PREVENT ROTATION OF BOBBINS. RICHARD GREENLEAF TURNER, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 13, 1924. Serial No. 743,204. 11 Claims. (Cl. 139—245.)



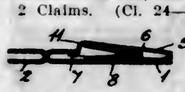
1. In a weft replenishing mechanism for looms, a plurality of bobbin compartments, a weight movable in each compartment, means for holding said weights yieldingly in raised position and means common to said means to release said weights simultaneously.

1,590,399. METHOD OF AND MEANS FOR REPRODUCING SOUND. JOSEPH TYKOCINSKI-TYKOCINER, Urbana, Ill. Filed June 2, 1922. Serial No. 565,419. 4 Claims. (Cl. 179—100.1.)



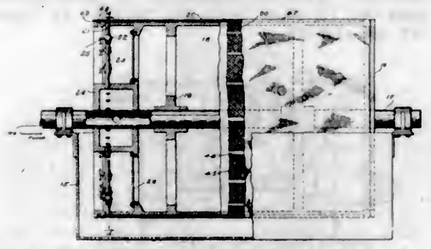
1. In combination, a sound record having arcuate transverse portions of a continuous sound record disposed thereupon, plates on opposite sides of said sound record, a rotating member related to said plates, said rotating member being adapted to follow said arcuate parts of the record, and an electric circuit controlled by the variations of the sound record as detected by said rotating member.

1,590,400. FASTENING FOR POUCHES, WALLETS, AND ALL KINDS OF LEATHER CONTAINERS. HARRY ALPHONSE WIDMER, London, England. Filed Sept. 30, 1925, Serial No. 59,721, and in Great Britain Dec. 10, 1924. 2 Claims. (Cl. 24—230.)



1. A fastening for a flexible container, comprising a metal tab with a recess on its upper face, a spring set in said recess and a bent plate forming a shoulder pivotally mounted in said recess above said spring and adapted to be depressed against the influence of said spring to pass under the bridge on the container, and a stop on said shoulder plate adapted to engage the edge of said recess to limit its upward movement under the influence of the spring.

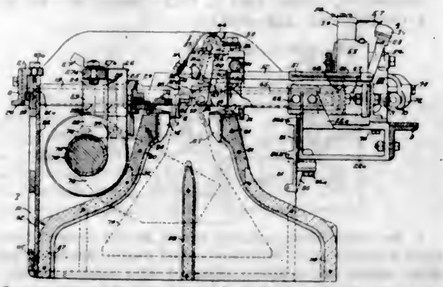
1,590,401. ROTARY-DRUM FILTER. ARTHUR WRIGHT, Upper Montclair, and FRANK W. YOUNG, Verona, N. J. Filed Nov. 16, 1921. Serial No. 515,434. 16 Claims. (Cl. 210—202.)



1. A rotary filter comprising a drum having a plurality of filtering compartments and an outlet pipe communicating with each compartment and with a common manifold in which a low pressure is adapted to be maintained, and a two-way cock located in each outlet pipe and adapted to bring the compartments into communication with the common manifold, and into communication with the atmosphere, and means for operating said cocks.

13. A drainage member for filtering compartments comprising wire woven into spiral intertwined formation, adapted to hold the filtering cloth away from the drum of the filter and provide for the drainage of the filtered liquid therethrough.

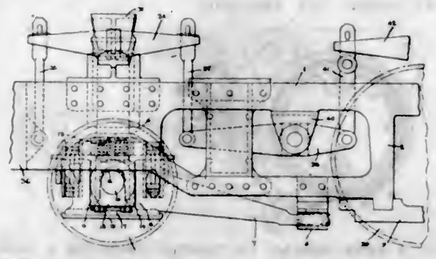
1,590,402. SWITCHING DEVICE. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1919. Serial No. 295,160. 17 Claims. (Cl. 200—147.)



2. An arc-guide for switching devices having removable portions of vitreous material.

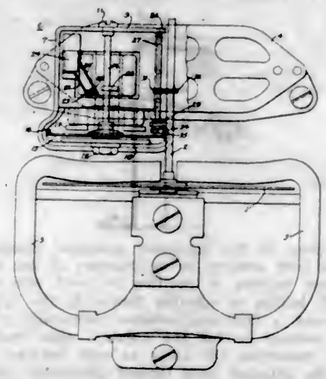
8. In a switching device, in combination, a plurality of relatively movable contact members, means operable to effect relative movement of the contact members toward and away from one another, one of said contact members being pivotally and removably disposed on said contact-moving means and resilient means carried by the switching device for retaining the contact member in position on said contact moving means, said resilient means being disposed for manual operation to permit manual detachment of the contact member.

1,590,403. SIDE EQUALIZED TRUCK. FRANK L. ALBEN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 23, 1923. Serial No. 614,367. 6 Claims. (Cl. 105—82.)



1. The combination with a railway vehicle frame, of a radial truck having a center pin connection with said vehicle, and a side equalizer system connected to the respective ends of a cross beam comprising a part of said center pin.

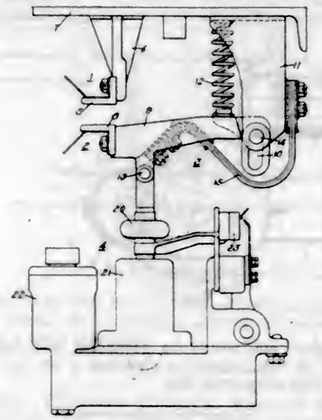
1,590,404. METER ATTACHMENT. ALBERT J. ALLEN, Brooklyn, N. Y. Filed Dec. 7, 1923. Serial No. 679,120. 1 Claim. (Cl. 177—351.)



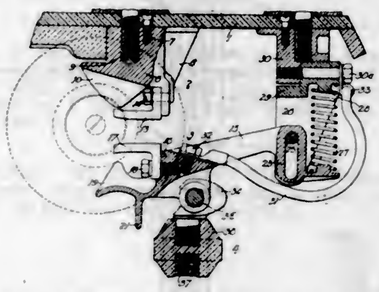
1. The combination with an integrating meter, of a circuit-control device, a continuously operating induction motor incinding a shaft and a disk armature on the shaft, means on said shaft for actuating said circuit control device, a pin projecting from said disk, and a member operated by the meter to rotate about a point in the path of movement of said pin, said latter member co-operating with the pin to permit the disk armature to rotate in accordance with the operation of the meter.

1,590,405. SWITCHING DEVICE. BASCUM O. AUSTIN, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919, Serial No. 296,616. Renewed Jan. 14, 1926. 5 Claims. (Cl. 200—165.)

1. A switching device comprising co-operating stationary and movable contact members, power means attached to said movable member at a certain point, a spring acting at another point in opposition to said power means, and a lost-motion connection for said movable member including a stationary member located to one side of both the power means and the spring, said power means and said spring acting along substantially parallel paths.

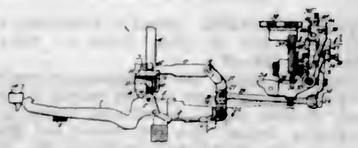


1,590,406. CONTROL APPARATUS. BASCUM O. AUSTIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1919. Serial No. 328,848. 14 Claims. (Cl. 200—146.)



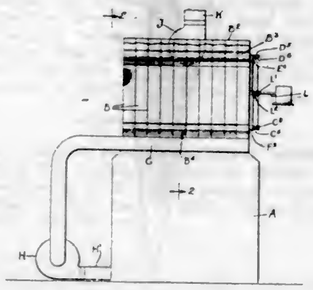
1. A contact holder for unit switches having a plurality of parallel-extending arcing horns joined substantially throughout their lengths integrally secured thereto.

1,590,407. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Aug. 24, 1923. Serial No. 659,116. 4 Claims. (Cl. 197—88.)



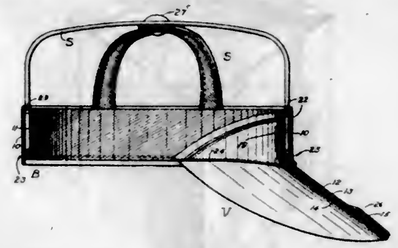
1. In escapement mechanism for typewriting machines, the combination of a dog carrier having fixed pivots, a pair of dogs having a common pivot separate from the carrier pivots, both of said dogs being adapted to turn or receive rotary movements on said common pivot, and means independent of the common pivot for fixing the relationship of one of said dogs thereto.

1,590,408. AIR-PREHEATING SYSTEM. JOHN E. BELL, Brooklyn, and WYLLYS E. DOWD, Jr., New York, N. Y., assignors to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1924. Serial No. 732,181. 3 Claims. (Cl. 110—56.)



1. In preheating air for combustion supplied to a furnace by means of a preheater in which the air absorbs heat from the heating gases leaving the furnace, the improvement which consists in subjecting the air and heating gases to draft creating effects approximately equalizing the pressure at which the air leaves the preheater with the pressure at which the heating gases enter the preheater.

1,590,409. SPORT CAP. HARRY BENDER, Omaha, Nebr. Filed Aug. 17, 1925. Serial No. 50,731. 1 Claim. (Cl. 2—176.)

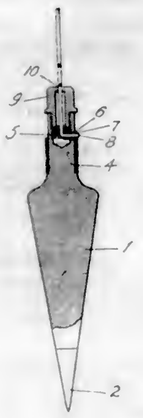


A sport cap comprising a head band, a visor connected thereto, the upper part of said cap consisting solely of a plurality of crown straps having their ends attached to said head band and extending archingly diametrically across said head band to form a skeleton crown whereby open ventilating spaces are provided between the crown straps, the central portions of said crown straps being connected to each other, said straps being composed of a plurality of layers of fabric sufficiently stiff to assume a normal arch-like contour and having sufficient resiliency to retain said normal arch-like contour.

1,590,410. PLUMB BOB. FRANK J. BERNARD, Portland, Oreg. Filed Apr. 2, 1925. Serial No. 20,079. 4 Claims. (Cl. 33—216.)

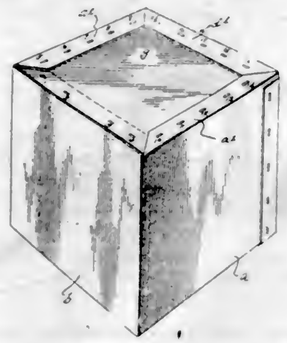
1. As an article of manufacture, a plumb bob having a tapering body portion, there being a removable steel point at the lower end of the body portion, a cylindrical neck at the top of the body portion, said neck having a screw-threaded axial bore, a head screwably

engaging said threaded bore, said head having an axial hole communicating with the axial bore in the neck, there being a hole in the wall of the neck, and a bush-



ing firmly mounted in the hole in the wall of the neck, said bushing projecting into the axial bore of the neck and beyond the outer circumference of said neck.

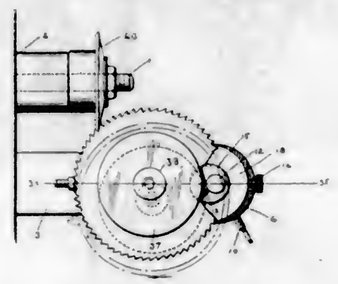
1,590,411. CONTAINER. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Jan. 28, 1925. Serial No. 5,203. 4 Claims. (Cl. 229—47.)



1. A new container, comprising a body blank of four walls united together in a collapsible tube, a closure for the bottom of the tube, the walls at the top of the tube being provided with narrow sealing flaps, and a separate top panel sewed to the turned in sealing flaps by stitching some of the flaps to the panel and leaving an unstitched portion through which a blade anvil is inserted to complete the sealing by stitching of the remaining flap or flaps.

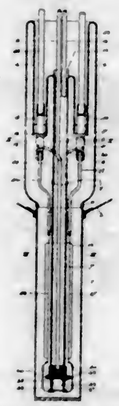
1,590,412. SAW-GRINDING ATTACHMENT FOR SAW TRIMMERS. FRANK D. BOGDAN, Rochester, N. Y. Filed Mar. 24, 1925. Serial No. 17,918. 5 Claims. (Cl. 76—42.)

1. In a grinding attachment for saw trimmers, the combination of a supporting post, a bed plate mounted to swing on said post in a horizontal plane, means for adjusting said bed plate laterally with relation to the center of said supporting post, a pivot pin carried by said bed plate, means for laterally adjusting said pivot pin on said bed plate, a supporting disk mounted to rotate



on said pivot pin, means for advancing said supporting disk step by step, means for clamping a circular saw in place on said supporting disk.

1,590,413. ELECTRIC DISCHARGE TUBE. CORNELIS BOL and BALTHASAR VAN DER POL, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed June 27, 1924. Serial No. 722,793, and in Netherlands July 13, 1923. 7 Claims. (Cl. 250—27.)

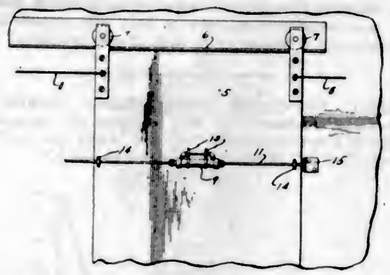


1. An electric discharge tube having an incandescent cathode, an anode adapted to be cooled, and at least one controlling electrode, characterized in that at least one metal vessel forming part of the outer envelope of the tube serves as controlling electrode.

1,590,414. DOORCHECK. HENRY C. BOSSERDET, Detroit, Mich. Filed Nov. 25, 1922. Serial No. 603,143. 1 Claim. (Cl. 188—97.)

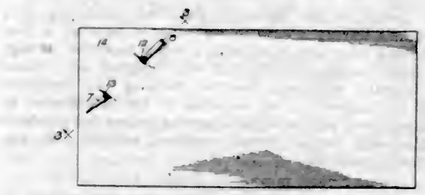
A check for a sliding door, comprising in combination with the door, a pneumatic cylinder carried by the door, a piston mounted within the cylinder having a piston rod extending through each end thereof and projecting beyond each side of the door, guides on the door for such piston rod, said cylinder provided with a by-pass of relatively small cross-sectional area extending from one end to the other, a pair of stops one on each side of the door positioned approximately at the limit of

travel of the door adapted to engage the piston rod before the door reaches its limit of travel to force the piston through the cylinder exhausting the air therein



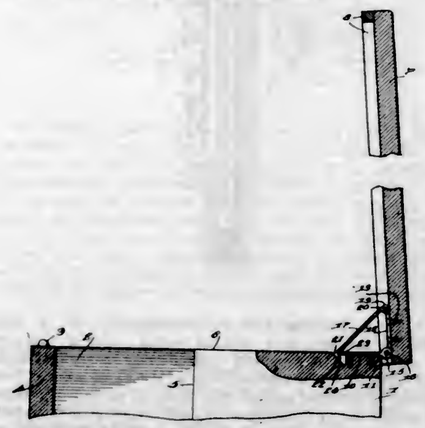
through the by-pass from one end of the cylinder into the other during the completion of the movement of the door in a given direction.

1,590,415. PIN FOR FABRICS. CHARLES W. BRAGG, San Diego, Calif.; Ethel S. Bragg, administratrix of said Charles W. Bragg, deceased. Filed June 9, 1922. Serial No. 567,006. 3 Claims. (Cl. 24—150.)



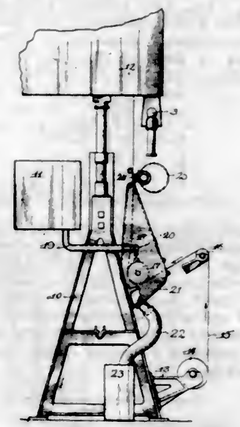
1. A new article of manufacture, a flat pin comprising a pointed member and a head member in alinement with each other, and a connecting offset member normally located in a plane substantially parallel with said members.

1,590,416. LID-PROP-LOCKING HINGE. VINSON H. BROWN, Spokane, Wash. Filed Oct. 9, 1925. Serial No. 61,518. 3 Claims. (Cl. 16—138.)



1. A combined lid prop and locking hinge device for a cabinet having an interior structure disposed closely adjacent the lid when the latter is closed, as in an upright piano, comprising, a knuckle hinge having a fixed leaf adapted to be secured to the top of said structure and the latter being recessed at the end of and subjacent said leaf forming an inclined prop shoulder, said knuckle hinge having a lid leaf adapted to be secured to the lower face of said lid, and a prop leaf having one end thereof in hinged connection with the free end of said lid leaf and the remaining end of said prop leaf being bent to form a combined lid prop and locking or holding lug and the lower or outer face of said lug being adapted to abut against said prop shoulder to support said lid in a predetermined open position and the remaining face of said lug being adapted to engage the exposed or free edge of said fixed leaf to lock said lid against movement beyond such predetermined open position, said prop leaf being adapted to lie substantially in the plane of said lid leaf and between said structure and lid when the latter is closed.

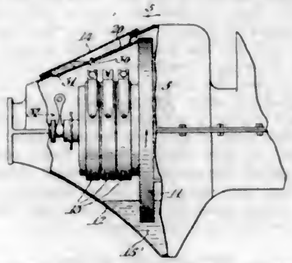
1,590,417. MEANS FOR APPLYING A SENSITIZING COATING TO PAPER. HAROLD J. BRUNK, Chicago, Ill., assignor to C. F. Pease Company, a Corporation of Illinois. Filed Aug. 1, 1925. Serial No. 47,524. 6 Claims. (Cl. 91—29.)



2. Apparatus for coating paper and the like, comprising rotatable means for applying a solution to the paper, means for causing said paper to travel past said solution applying means, means for blowing air against said solution coated paper to remove the surplus solution therefrom, and a backing for said paper supporting the entire rear surface thereof adjacent the region where said air strikes it.

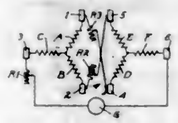
5. A device of the class described comprising a frame having a support for a roll of paper and the like thereon, a coating roller also supported thereon, a source of sensitizing solution, a pipe connected with said source having openings therein for discharging said solution upon said roller, means for drawing said paper from said supply roller past said coating roller, means for rotating said coating roller in a direction the reverse of the movement of said paper past the same, a conduit having an adjustable slot therein arranged to direct a thin sheet of air against said paper after the sensitizing solution is applied thereto, and a fixed support behind said paper past which the latter slides as the air is being directed against the same, thereby holding said paper at a definite distance from said slot.

1,590,418. OILING DEVICE. BENJAMIN FRANKLIN CAMPBELL, Camp Baldy, Calif. Filed Aug. 16, 1920. Serial No. 403,682. 7 Claims. (Cl. 184—11.)



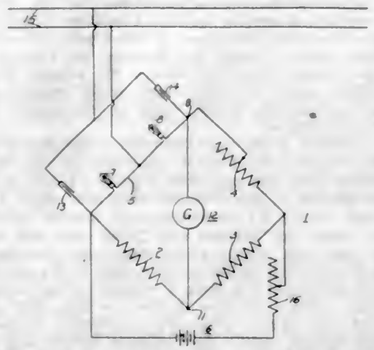
7. In combination with a housing containing a fly wheel and transmission mechanism means located in the upper portion of the housing and adjacent to the upper portion of the fly wheel, said means being adapted to intercept and convey oil splashed from the fly wheel to the transmission mechanism.

1,590,419. ALTERNATING-CURRENT MOTOR. LAURENCE H. A. CARR, Hale, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,230, and in England Jan. 25, 1922. 9 Claims. (Cl. 172—274.)



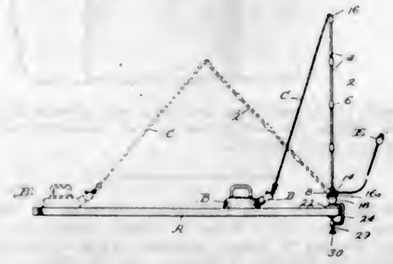
1. An electric motor of the kind described having its secondary member provided with two symmetrical polyphase windings connected for synchronous operation in conjunction with a source of direct-current excitation and providing a closed circuit independent of the source of direct-current excitation, whereby currents may circulate, as in an induction motor, with the slip rings short-circuited, thus providing a damper circuit during such synchronous operation.

1,590,420. COMPARATOR. LEWIS W. CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 14, 1921. Serial No. 437,191. 4 Claims. (Cl. 171—95.)



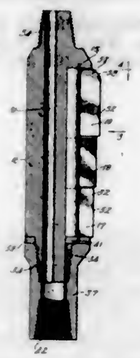
4. In combination, a Wheatstone bridge, two heater elements connected in series relation in one arm of the bridge, direct-current means for energizing the bridge, and means for unbalancing the bridge in accordance with the current in an alternating-current circuit comprising one conductor of said circuit connected to said arm between said elements, another conductor of said circuit divided into two branches connected to said arm outside said elements, and a condenser in each of said branches.

1,590,421. UNIVERSAL CORD TAKE-UP. SAMUEL M. COFFMAN, Kansas City, Mo., assignor of one-half to Lily O. Coffman, Kansas City, Mo. Filed Apr. 3, 1925. Serial No. 20,529. 1 Claim. (Cl. 248—30.5.)



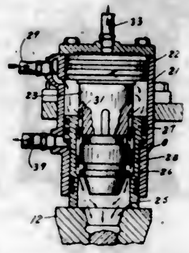
A device of the character described consisting of a receptacle having a base to rest upon a support, a yoke depending from said receptacle, a screw threaded through the lower portion of said yoke and provided with means for coacting with said base in clamping the receptacle upon the support, a cap mounted to tilt in different directions upon said receptacle, spring means for yieldably holding said cap in normal position, and an arm supported by said cap.

1,590,422. UNDERREAMER. ROBERT COLLIER, Los Angeles, Calif., assignor of one-half to Charles L. Hall, Los Angeles, Calif. Filed June 25, 1923. Serial No. 647,558. 7 Claims. (Cl. 255—76.)



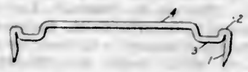
1. In a reaming tool the combination of: a body adapted for use in a drilling string; and a plurality of cutting blades arranged consecutively in vertical order and pivoted on a vertical axis so as to be swung from retracted position against said body to extended position in which the cutting edges of said blades project outside said body, said blades being of regularly increased extension and separately replaceable in said body and having their abutting ends interengaging so that they will swing simultaneously between retracted and extended positions.

1,590,423. GLASS-FORMING MACHINE. ALBERT N. CRAMER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed May 9, 1924. Serial No. 712,140. 18 Claims. (Cl. 49—9.)



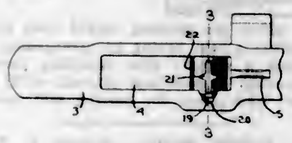
6. In a glass blowing machine, the combination of a blank mold open at its upper end to receive a charge of glass, a blowing head movable into engagement with the mold, a piston in said head, and a mold capacity reducing element carried by said piston and movable thereby into the mold.

1,590,424. FURRING AND FASTENING DEVICE. ORIN T. CROWE, Hayward, Calif. Filed Oct. 27, 1924. Serial No. 746,007. 3 Claims. (Cl. 72—120.)



1. A furring staple comprising a body; a shoulder offset to one side from each end of the body; a section offset from each shoulder so as to form a reinforced, outstanding driving head spaced from said body; and a prong extending from each head.

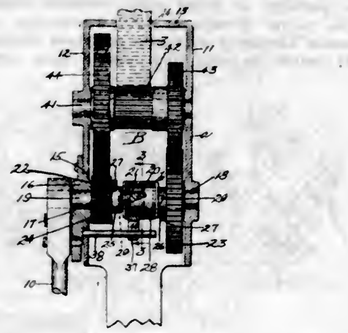
1,590,425. PICKER-STICK MOTION FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 17, 1923. Serial No. 675,299. 1 Claim. (Cl. 139—150.)



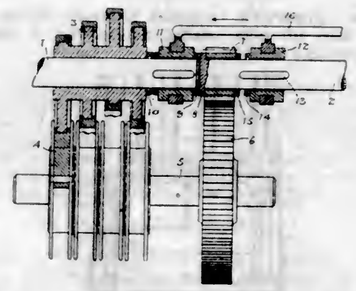
In a loom a picker stick and its attached shoe, a stand on which the shoe rocks having a longitudinal slot to receive the lower end of the picker stick, a cylindrical stud mounted transversely of the stand in the inner end of the slot and provided with a projection engaging the stand and preventing rotation of the stud, and a cylindrical bearing roll journalled on the stud, the picker stick acting upon each complete oscillation to give a rotary shift to the bearing roll whereby wear is evenly distributed and the surface of the roll maintained cylindrical.

1,590,426. MECHANICAL MOVEMENT. FRANK E. DAYTON and CURTIS H. EDWARDS, Los Angeles, Calif., assignors to The Boyle-Dayton Co., Los Angeles, Calif., a Corporation of California. Filed Oct. 11, 1921. Serial No. 507,062. 4 Claims. (Cl. 74—27.)

3. The herein disclosed mechanical movement, including a shaft, a pair of gears of different sizes loosely mounted on said shaft, a second shaft, three gears secured on said second shaft two of which are in mesh respectively with the gears on said first shaft, a screw on said first shaft between the gears on said shaft, a nut on said screw, oppositely disposed dog teeth on each end of said nut, dog teeth on each of the gears on said first shaft for alternately engaging the teeth on the ends of said nut as said shaft is rotated in one direction or the other, a friction ring surrounding said nut, means for clamping said ring on said nut with varying tension, and means for preventing rotation of said ring.



1,590,427. SPEED-CHANGE MECHANISM. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed July 7, 1924, Serial No. 724,611, and in France Dec. 15, 1923. 3 Claims. (Cl. 74—53.)

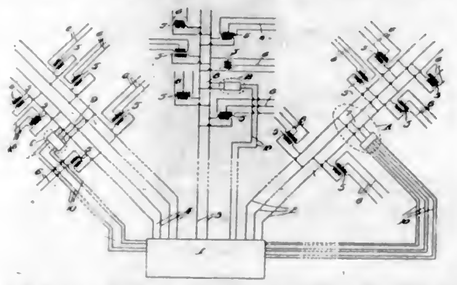


1. In a change speed mechanism, the combination with the driving and driven shafts, of a free wheel driving connection between the driving and driven shafts, an intermediate shaft co-operating in said free wheel drive, a gear wheel fixedly mounted on said intermediate shaft, a gear loosely mounted on one of the aforesaid shafts and constantly in mesh with the aforesaid gear, a pair of clutch sleeves slidably mounted one on the drive shaft and one on the driven shaft, and means for operating said sleeves in unison to selectively connect the driving and driven shafts direct or through the gears and eccentric drive.

1,590,428. WIRED RADIO BROADCASTING SYSTEM. ROBERT D. DUNCAN, Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Aug. 25, 1925. Serial No. 52,285. 13 Claims. (Cl. 179—2.)

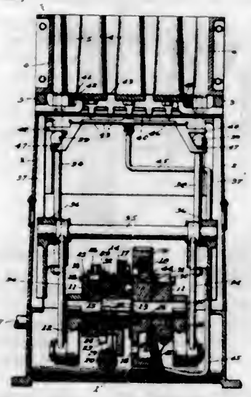
1. A wired radio broadcasting system comprising in combination, an electric power generating station, a plurality of polyphase transmission lines extending from said generating station for conveying electric power from said station for distribution over a given area, a source of polyphase high frequency current, means for impressing said polyphase high frequency current in con-

trollable intensity upon said polyphase transmission lines, a plurality of electric power distribution transformers connecting at different points with the different phases of said polyphase transmission lines, a plurality of wired radio receivers connecting with the output circuits of said distribution transformers, means associated with said polyphase transmission lines at points on said lines remote from said source of



high frequency current, for determining a measure of the amplitude of the high frequency current at said points, said means electrically connected with current indicating means adjacent aforementioned means for controllably impressing polyphase high frequency current on said polyphase transmission lines, said combination providing means for determining and controlling the distribution of the high frequency current over said polyphase transmission lines.

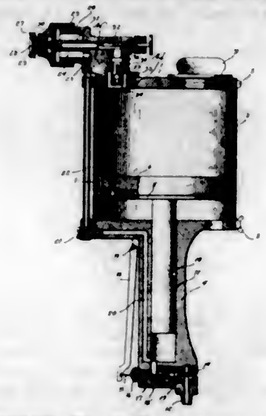
1,590,429. STRIPPER. CHARLES S. EMERT, Peoria, Ill. Filed Mar. 10, 1925. Serial No. 14,515. 6 Claims. (Cl. 25—41.)



1. In a stripper the combination of a frame, a mold carried thereby, a stripping member movable within the mold, a crank shaft and connections for moving the stripping member, power operated driving mechanism for the crank shaft, and clutch connections between the power operated driving mechanism and the crank shaft whereby when the clutch is engaged the crankshaft will be rotated to impart one stroke to the stripping member and then the clutch will be disengaged.

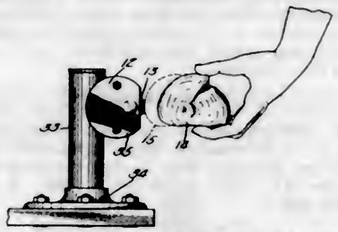
1,590,430. SPRAYING DEVICE. PHILIP ERBY, Chicago, Ill. Filed Dec. 22, 1922. Serial No. 608,399. 12 Claims. (Cl. 91—45.)

1. A spray-gun comprising a portable reservoir, means on the reservoir whereby it may be manipulated, a spraying device supported on and movable with the reservoir, means for supplying air under pressure to the spraying device, a piston engaging the material



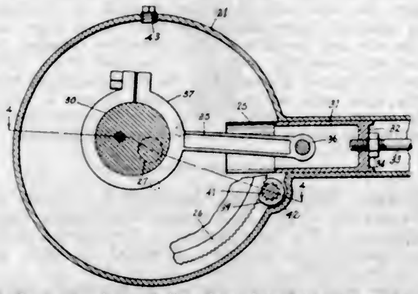
in said reservoir for exerting pressure upon the material to forcibly discharge it therefrom and means for applying constant pressure to the piston.

1,590,431. METHOD AND DEVICE FOR MARKING ARTICLES. WALTER H. ESEMAN, Los Angeles, and HARRY E. STRUNK, Ontario, Calif., assignors to Franco-American Baking Company, a Corporation of California. Filed Sept. 7, 1923. Serial No. 661,388. 8 Claims. (Cl. 101—27.)



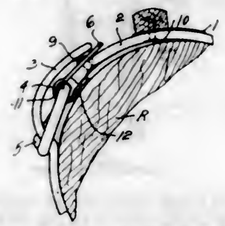
1. In a device for marking cooked food products, a die comprising: a base having an arrangement of openings to form a design; pins extending through said base; a covering for said base through which said pins also extend; and means for heating said base.

1,590,432. POWER PUMP. ROLAND J. FAIRCHILD, Kalamazoo, Mich. Filed Apr. 23, 1923. Serial No. 633,980. 2 Claims. (Cl. 74—14.)



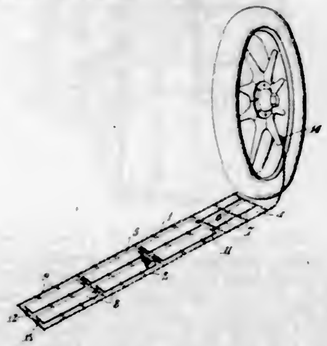
1. In a structure of the class described, the combination of a cylindrical gear box provided with a removable side plate and having a tubular cross head extension integral therewith, the wall of said gear box having a segmental enlargement constituting a continuation of the curved wall of said cross head extension, a tubular cross head reciprocating in said extension, a gear disposed in said gear box and having bearings in the gear box wall and said removable side plate thereof, said gear having an eccentric on one side thereof, a pitman disposed at the side of said gear with one end within and connected to said cross head and having an eccentric strap coacting with said eccentric on said gear, and a driving shaft having bearings in said gear box and gear box cover and provided with a pinion meshing with said gear.

1,590,433. BELT FASTENER. ALBERT S. FETTERMAN, Dishman, Wash., assignor to Spokane Draper Company, Dishman, Wash. Filed Oct. 20, 1924. Serial No. 744,628. 1 Claim. (Cl. 24—265.)



The combination in a belt fastener with a buckle, and a free strap end, of an attaching plate engaging the outer face of the other strap end and attaching rivets passed through said plate and strap end, a buckle retaining hook on the plate and projecting over the latter strap end and a cut out portion in said hook for the buckle, and a flange on said hook engaging the wear side of the strap end and terminating intermediate the hook and rivets.

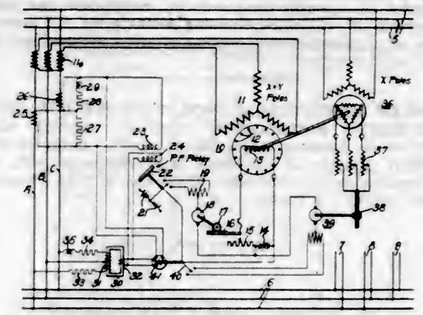
1,590,434. ANTISLIP DEVICE FOR VEHICLES. PAUL FISCHER, New York, N. Y. Filed Feb. 28, 1925. Serial No. 12,455. 3 Claims. (Cl. 180—7.)



1. An anti-slip device including a pair of flexible side elements having means for securing adjacent ends together, a tread section consisting of a plurality of plates secured between the side elements, said section being capable of longitudinal and transverse flexing.

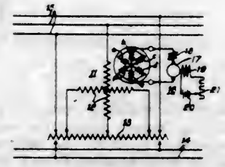
1,590,435. CONTROL OF SERIES-ERADICATOR MACHINES. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,576. 25 Claims. (Cl. 172—246.)

9. The combination with a series eradicator machine, having primary, exciting and damper windings, of means for adjusting the excitation thereof, and an indicating mechanism responsive, in a predetermined manner, to



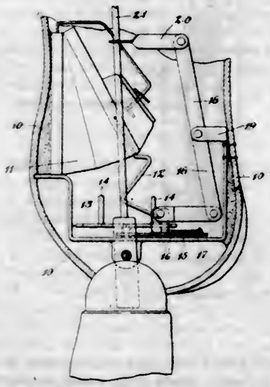
the wattless component of the eradicated current passing through said machine.

1,590,436. COMBINED EXCITING AND DAMPER WINDING FOR DYNAMO-ELECTRIC MACHINES. CHARLES LE G. FORTESCUE and HERBERT G. JUNGK, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,577. 2 Claims. (Cl. 172—120.)



2. A single-pole-number synchronous alternating-current machine having primary and secondary members separated by a small air gap, said secondary member being provided with an effectively chorded star-connected six-phase secondary winding having adjacent phase terminals connected together in two diametrically opposite groups, and an exciting source connected to said groups.

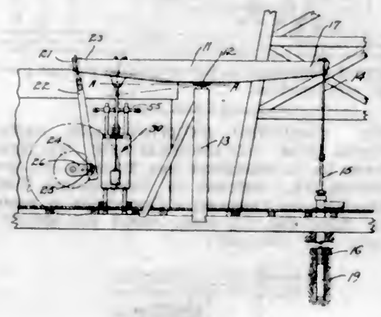
1,590,437. WALKING DOLL WITH VOICE. OTTO GANS, Waltershausen, Germany. Filed Apr. 14, 1924. Serial No. 706,355, and in Germany Apr. 15, 1923. 4 Claims. (Cl. 46—40.)



1. A walking doll comprising a voice mechanism and movable legs, means for sounding said voice, a ratchet mechanism, a connection between said ratchet mechanism

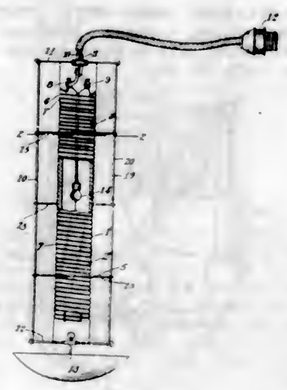
and said voice sounding means, and an operating mechanism connected with said movable legs and adapted to operate said ratchet mechanism for the operation of said voice sounding means after the execution of a predetermined number of steps by the legs of the doll.

1,590,438. COUNTERBALANCE HOOK-OFF FOR OIL-PUMPING EQUIPMENT. JOHN R. GIGNOUX and THOMAS SEVERNS, Long Beach, Calif., assignors to Shell Company of California, San Francisco, Calif., a Corporation of California. Filed May 9, 1925. Serial No. 29,107. 7 Claims. (Cl. 74—71.)



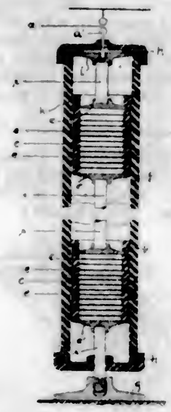
7. In combination: a walking beam; a pivot for supporting said walking beam; means for oscillating said walking beam through a stroke of definite length; a weight connected to said walking beam; and means for disconnecting said weight from said walking beam when said walking beam exceeds the lower limit of its definite stroke.

1,590,439. FLYTRAP. CHARLES E. LEBRECHT, Oakland, Calif. Filed Feb. 25, 1924. Serial No. 694,983. 3 Claims. (Cl. 43—112.)



1. An insect trap comprising three panes of plate glass placed edge to edge, conducting wires wound about said panes and binding them in the form of a triangular prism, an electric bulb within the prism, and a receptacle suspended below said prism.

1,590,440. EXCESS-VOLTAGE CONDUCTOR FOR HIGH-WORKING VOLTAGES. EMIL PFIFFNER, Budapest, Hungary. Filed May 13, 1924, Serial No. 713,106, and in Germany Apr. 3, 1923. 3 Claims. (Cl. 175—30.)



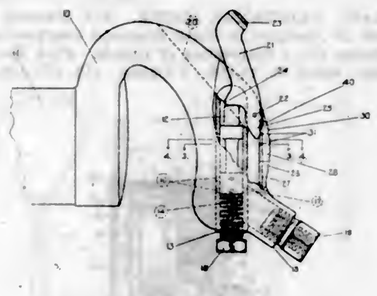
1. An excess voltage conductor for high working voltages comprising a plurality of groups of spark gaps arranged in series, a resistance between said groups, a condenser shield for each group, the shield of each group being connected to the end of the group nearest the ground connection.

1,590,441. DOOR AND LOCKING MEANS THEREFOR. GRAHAM H. PIGGOT, Chicago, Ill., assignor to Federal Steel Fixture Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1923. Serial No. 641,846. 9 Claims. (Cl. 292—161.)

1. In a locker, the combination of a door, a vertically movable locking bar fully enclosed by the door and thereby having lateral support at all sides thereof and mounted to gravitate into its lower position, catch means cooperating with said bar to latch the door in closed position, adapted automatically to raise said bar and then allow it to drop into locking position when the door is closed, a rotary handle on the door operative on a pivot extending through the door, and means operative about the axis of the handle and whereby rotation of the handle will raise the bar to unlock the door, use of the handle being unnecessary to close the door.

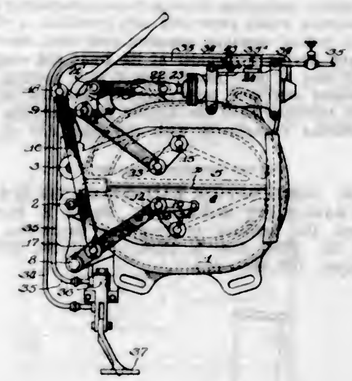
1,590,442. SAFETY LOCK FOR AIR HAMMERS. ANDREW QUAITE, Chicago, Ill., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 26, 1925. Serial No. 64,911. 3 Claims. (Cl. 121—35.)

1. The combination with the trigger and throttle valve mechanism of an air hammer, of a manually operable trigger lock slidably mounted upon the hammer and adapted for movement substantially parallel to said valve



mechanism, and resilient stop mechanism operable by the lock to yieldingly retain said lock in released or locking relation to said trigger.

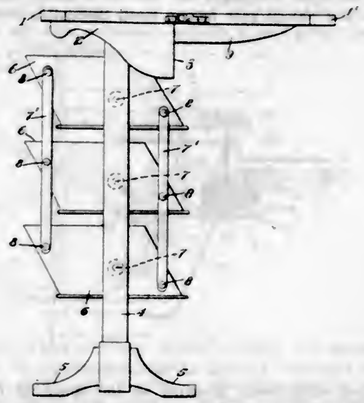
1,590,443. DOOR-OPERATING MECHANISM. JAY G. ROBINSON, Chicago, Ill. Filed June 16, 1924. Serial No. 720,185. 11 Claims. (Cl. 110—177.)



7. In a device of the class described, an upper and a lower door pivoted for movement parallel to the plane of a door opening and adapted to meet substantially midway of said opening, two levers having fixed fulcra, links each having pivotal connection at one end with one of said levers and at the opposite end with said upper and lower doors respectively, said links in the closed position of said doors lying substantially normal to said levers.

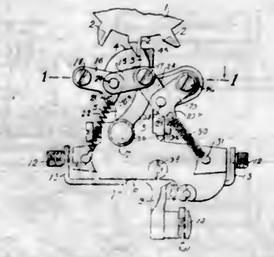
1,590,444. FURNITURE. RENA K. SALOMON, Brookline, Mass. Filed Apr. 22, 1924. Serial No. 708,289. 2 Claims. (Cl. 211—14.)

1. An article of furniture comprising a top frame and lateral supporting members therefor, a plurality of compartments substantially rhomboidal in cross section pivoted to said supporting frame and disposable with their front and rear walls in substantially vertical disposition, said sections being linked each to the other whereby upon tipping on their pivots each compartment is exposed, the upper edges of the side and rear portion of the upper pivotal section being normally spaced from the



top, said side and rear members of the frame being shaped to enclose the space thus formed between the upper edges of the side and rear portions of the frame and the top.

1,590,445. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 28, 1923. Serial No. 648,177. 11 Claims. (Cl. 197—88.)

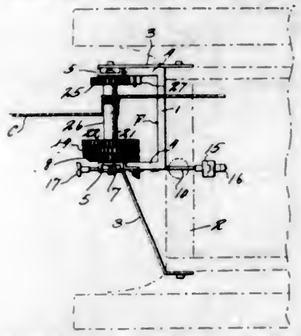


1. In escapement mechanism for typewriting machines, the combination of a dog carrier, a dog pivoted thereon, and sets of toggle members connected to said pivoted dog and operative to limit pivotal movements of said dog in both directions, and thereby controlling the normal position of said dog and the extent of its stepping movement from such normal position.

1,590,446. PULLING MACHINE. ALECK A. SHANKLIN, Fairmont, Nebr. Filed Aug. 6, 1925. Serial No. 48,637. 3 Claims. (Cl. 254—166.)

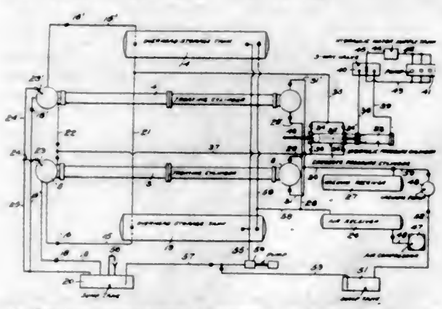
1. The combination with the frame of a motor driven vehicle and a drive shaft operated by the motor of the vehicle; of a pulling machine comprising a substantially U-shaped frame, means for connecting the intermediate portion of the U-shaped frame to the frame of the vehicle with the side members forwardly disposed, said side members at their outer end portions being provided with upstanding posts, tie rods connecting the outer end portions of the side members of the U-shaped frame and the upper end portions of the posts, a gear freely mounted on the lower tie rod adjacent to a side member of the U-shaped frame, a shaft rotatably supported by said side member and in driving connection with the gear, said

shaft being in driven connection with the drive shaft of the motor vehicle, a drum freely mounted on said lower tie rod to one side of the gear, a second gear freely mounted upon the upper tie rod at a point adjacent to the first named gear and in mesh therewith, said second gear being also in driving connection with the drum,



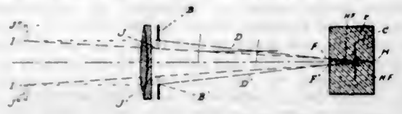
a second drum freely mounted on the upper tie rod to one side of the second gear, the ends of both of the drums remote from the gears being in driven connection, and a cable adapted to be wound on the first named drum and extended to and wrapped around the second drum, said second drum operating to maintain tension upon the cable during a working opertaion.

1,590,447. WOOD-TREATING APPARATUS. GRANT B. SHIPLEY, Pittsburgh, Pa. Filed Aug. 18, 1921. Serial No. 493,227. 2 Claims. (Cl. 99—12.)



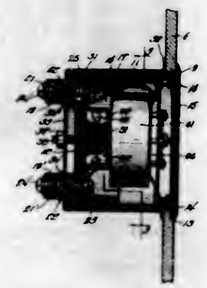
2. Timber preserving apparatus comprising in combination a plurality of treating cylinders for receiving material to be treated, means for filling said cylinders with a treating fluid, a fluid actuated pressure device for applying additional treating fluid under pressure to force the fluid of said treating cylinders into the body of the material to be treated, said pressure device being common to both of said treating cylinders and being provided with means for indicating the quantity of liquid delivered thereby.

1,590,448. PHOTOGRAPHIC CAMERA AND LENS. ALBERT F. SHORE, New York, N. Y. Filed May 29, 1924. Serial No. 716,838. 12 Claims. (Cl. 95—1.)



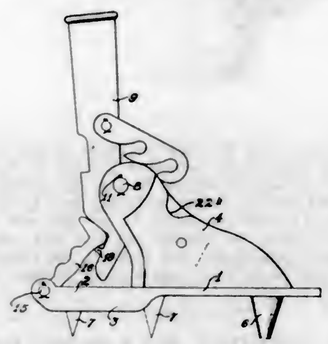
1. In photographic apparatus, an image-forming objective and an auxiliary refracting element located in the region of the focal plane of said objective and compounded of sections of different refractive power, so as to combine great refractive power with low dispersion and good transparency.

1,590,449. ELECTRICAL METER. RAY SIMPSON, Oak Park, Ill., assignor to Jewell Electrical Instrument Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1925. Serial No. 18,198. 2 Claims. (Cl. 171—34.)



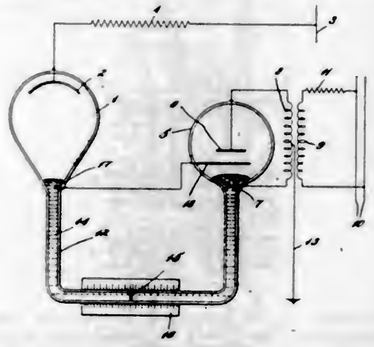
1. The combination with a mounting panel having an opening therein, of an electrical meter housing comprising a cylindrical metallic shell at the front end of said housing and a rear end member of insulating material closing the rear end of said housing, a flange on said shell engaging the front of the panel around said opening, terminals projecting from said rear insulating member, insulating bosses protecting said terminals, a clamping shell having openings engaging over said insulating bosses and having a shoulder at its front end engaging the rear side of said panel around said opening, and screw means extending between said insulating member and said clamping shell for forcing said clamping shell into clamping engagement with the rear side of said panel.

1,590,450. COMBINATION RAIL LINER, TIE SPACER, AND RAIL-JOINT ELEVATOR. FRANK R. SINNING, Ramsey, Ill., assignor to Frederick Hachmann, Chicago, Ill. Filed Jan. 5, 1923. Serial No. 610,771. 6 Claims. (Cl. 254—44.)



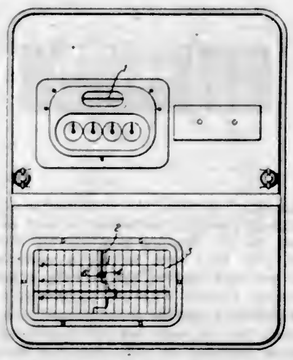
1. A device of the kind described comprising a base, supporting means extending upwardly therefrom, an operating lever pivoted on the supporting means and having depressions in its face conforming to the contour of a rail to be engaged thereby and rail engaging means pivoted on the base and adapted to be operated by the lever.

1,590,451. CREST VOLT METER. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1920. Serial No. 430,563. 7 Claims. (Cl. 171—95.)



5. In combination, an enclosed vessel having a U-tube portion containing separated bodies of conducting liquids and an end-chamber portion constructed to change the end-surface area of one of said liquids when the latter is moved, means for separating said liquids and permitting the transmission of a moving effect from one to the other thereof, means including an electrode in said chamber for causing space-current discharge relative to said end-surface area, and means responsive to said discharge for affecting the other liquid to move said first liquid.

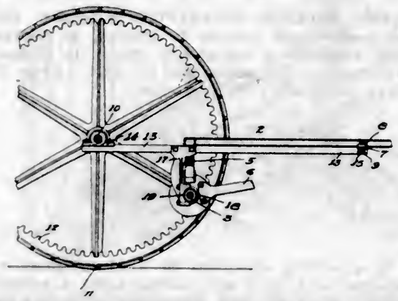
1,590,452. GRAPHIC METER POINTER. HARRY P. SPARKES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 6, 1919. Serial No. 336,108. 15 Claims. (Cl. 234—1.)



11. A measuring instrument comprising a radio-active material and a sensitized record sheet, relatively movable with respect to each other, for producing a record of the relative movement therebetween.

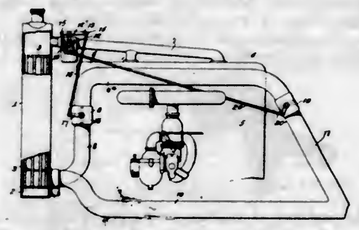
1,590,453. COMBINED VEHICLE AND TRACTION MACHINE. EDWIN G. STAUDE and VITUS A. BOKER, Minneapolis, Minn., assignors to E. G. Staude Manufacturing Co., St. Paul, Minn., a Corporation. Filed June 24, 1916. Serial No. 105,716. 9 Claims. (Cl. 180—16.)

1. The combination, with a vehicle frame having a power-driven rear axle and driving pinions for mounting on the spindles of said axle in place of the carrying wheels, of an auxiliary frame having a flexible connection permitting movement in a vertical plane of one frame relatively to the other at its forward end with said vehicle frame and its rear portion supported by said axle for freedom of movement of said vehicle frame



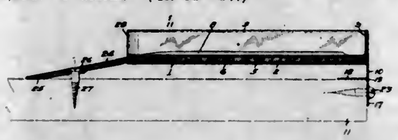
relatively to the auxiliary frame to adapt the machine for use as a pleasure vehicle without removing the auxiliary frame, and a traction axle mounted on said auxiliary frame and having traction wheels provided with gears for meshing with said pinions.

1,590,454. AUTOMOBILE RADIATOR-HEATING DEVICE. JOHN W. SWAN, Stamford, Conn. Original application filed Sept. 18, 1918, Serial No. 254,599. Divided and this application filed July 17, 1919. Serial No. 311,556. 2 Claims. (Cl. 123—174.)



1. The combination with an engine, a radiator having vertically extending pipes for a cooling medium, a container within the radiator, said container having passages through which the vertical pipes of the radiator pass, means for conveying a cooling medium from the engine to the radiator, means for conveying the cooling medium from the radiator to the engine, and means for conveying the exhaust from the engine to the container, said exhaust circulating around the vertical extending pipes of the radiator.

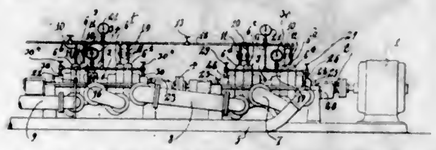
1,590,455. FLATIRON SUPPORT. AMELIE TANRON, San Rafael, Calif. Filed Oct. 13, 1925. Serial No. 62,221. 1 Claim. (Cl. 62—27.)



A flatiron support comprising an integral unit formed from a sheet of metal comprising a horizontal wall for supporting the flat iron, one end of which is bent upwardly and then bent downwardly to provide a support for the unit, and the opposite end of which is bent downwardly so as to provide an inclined surface extending from the surface of the ironing board to said horizontal wall, said first-mentioned downwardly bent por-

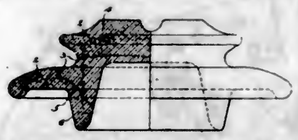
tion being provided with a plurality of flaps, some of which are bent inwardly at right angles to form a rest on the upper surface of the ironing board and others of which are adapted to engage the edge of the ironing board.

1,590,456. PACKING APPARATUS. HAROLD P. VAIL, Los Angeles, and EDWARD P. WRIGHT, El Segundo, Calif., assignors of one-third to Marvin L. Chappell, El Segundo, Calif. Filed Apr. 27, 1925. Serial No. 26,114. 7 Claims. (Cl. 103—108.)



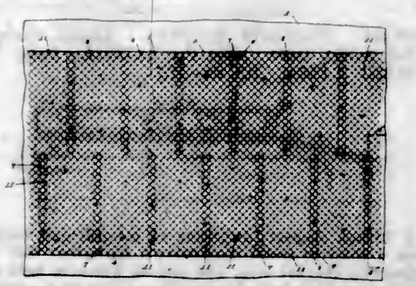
1. In a packing apparatus for a rotary pump, the combination of a shaft with stuffing boxes, a plurality of pump units on the shaft co-operating to develop high pressure in a liquid by stages, means for admitting quantities of liquid under pressure higher than the rise of pressure between the different stages, back to the suction side of the pump, and connections from the stuffing boxes co-operating with said means to withdraw liquid leaking into the stuffing boxes from the interior of the pump and return the same to the suction side of the pump.

1,590,457. METHOD OF TESTING INSULATORS. ALBERT VAUPEL, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1925, Serial No. 66,978, and in Germany Nov. 6, 1924. 5 Claims. (Cl. 18—48.)



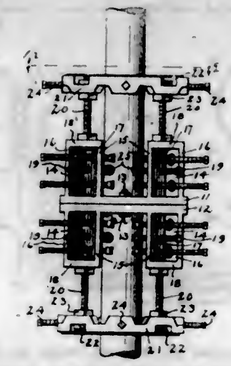
3. The method of testing insulators which comprises cutting and separating portions of substantially finally formed insulating bodies to permit inspection of the interior structures thereof, applying a coating of a hardening liquid to one of the adjacent cut surfaces of, and then placing together, the separated parts of those passing inspection prior to hardening.

1,590,458. METAL LATH. GEORGE F. VOIGHT, Oakland, Calif. Filed Sept. 29, 1924. Serial No. 740,581. 7 Claims. (Cl. 72—119.)



1. In lath of the character described, a body portion having a plurality of indentations pressed thereinto from one side and extending from one edge thereof to approximately the center thereof, where they terminate.

1,590,459. DOWEL LOCATOR FOR FURNITURE REPAIRS. EDWIN L. VONDERSAAR, Indianapolis, Ind. Filed Nov. 19, 1925. Serial No. 70,194. 5 Claims. (Cl. 77—62.)



3. A locating device comprising a pair of removably united rings, a plurality of clamp members on each of said rings, a plurality of adjusting screws in each of said clamp members, and a drill-guide adapted to co-operate with each of said rings upon separation.

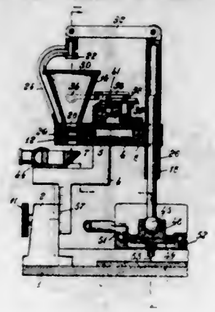
1,590,460. TEMPORARY BINDER. GEORGE P. WIGGINTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Filed Oct. 16, 1924. Serial No. 743,987. 4 Claims. (Cl. 129—1.)

1. In a temporary binder, the combination of covers, clamping members pivotally connected to said covers and having sockets therein, binding members for said clamping members, post bars each having a socket-engaging pin adjacent one end thereof and a hole adjacent the other end thereof aligned with one of the said sockets, and posts of different lengths mounted on each of said bars, the longer post of each bar being adapted to project through the hole in the other bar and constitute a socket-engaging pin.

1,590,461. OPTICAL APPARATUS. HEINRICH WILD, Heerbrugg, Switzerland. Filed June 15, 1921, Serial No. 477,780, and in Germany Aug. 23, 1920. 5 Claims. (Cl. 33—20.)

1. An optical apparatus, in combination, a binocular telescope, two image holders each fitted with an objective and each adapted to hold an image taken at the ends of a base line at different angles, means mounting said telescope and holders relatively to each other so that the image is seen upon looking through the telescope, two links, each link being operatively connected to one of the image holders, means mounting each holder and its link

for universal turning to turn said image holders into positions corresponding to the angles at which the images were taken, and rectifying means operatively connected

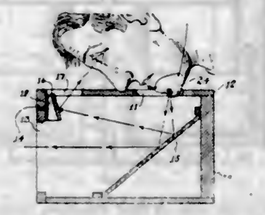


to each image holder for eliminating the errors in the projection arising from the parallelism of movements between image holders and links.

1,590,462. TUNNEL KILN. WILLIAM E. WILSON, Mason City, Iowa, and HENRY G. LYKKEN, Minneapolis, Minn. Filed June 14, 1924. Serial No. 720,115. 25 Claims. (Cl. 25—142.)

1. A kiln comprising a cooling section having a ware passage and a convection space above the passage.

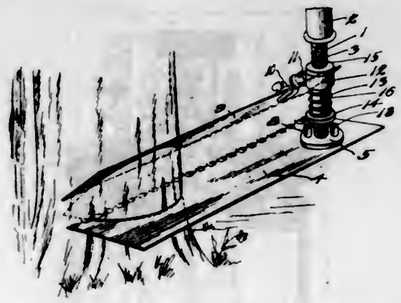
1,590,463. OPTICAL TOY. ROBERT W. WOOD, Baltimore, Md. Filed Nov. 9, 1922. Serial No. 599,915. 3 Claims. (Cl. 88—1.)



1. A reflecting device comprising in combination, an enclosure, a wall thereof having an aperture therein through which objects may be reflected, another wall at right angles thereto having an aperture through which an image of said reflected object may be viewed, an inclined mirror within said enclosure obliquely facing said walls upon which said object is displayed and its image reflected, and a supplemental mirror within said enclosure enabling an operator in front of the aperture through which objects are reflected to view the image reflected upon the mirror.

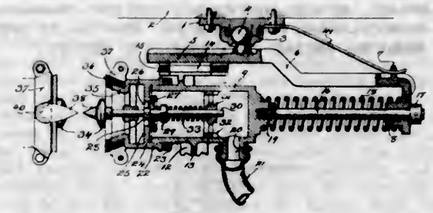
1,590,464. TREE-NOTCHING DEVICE. JOHN A. KAYE, Sault Ste. Marie, Ontario, Canada. Filed Apr. 20, 1925. Serial No. 24,401. 14 Claims. (Cl. 145—81.)

10. A sawing device of the character described, including a stem, a main saw blade rigidly secured to the stem at right angles thereto, a slide mounted upon the stem, yielding means normally tending to move the slide away from the main saw blade, a bracket hingedly con-



nected to the slide, means for locking the bracket in different angular positions relative thereto, and an auxiliary saw blade carried by the bracket.

1,590,465. FLUID COUPLING. BENJAMIN J. KLINKOSH, Milwaukee, Wis. Filed May 8, 1925. Serial No. 28,830. 1 Claim. (Cl. 284—5.)



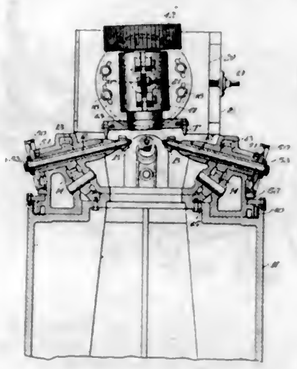
A fluid coupling comprising a supporting guide, a hollow body portion carried thereby, a spring urging said body portion outwardly, said body portion having an opening in its outer end surrounded by a sealing ring, a valve controlling communication between the interior of said hollow body portion and its open end and having a bumper head projecting outwardly for opening said valve, a spring urging said valve towards closed position, said last mentioned spring being lighter than said first mentioned spring, a split collar surrounding and clamping said sealing ring to the outer end of the body portion, said split collar having an outwardly projecting tapered aligning pin and having a tapered aperture formed at a point diametrically opposite said pin.

1,590,466. MACHINE AND METHOD FOR PRODUCING GEARS. CHARLES H. LOGUE, Syracuse, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed May 26, 1925. Serial No. 32,917. 20 Claims. (Cl. 90—5.)

1. The method of generating curved tooth gears which consists in imparting between a gear blank and a rotary tool, having its cutting edges projecting from a plane face, a relative rolling motion continuously in one direction to generate the teeth on the blank while the tool and blank are in cutting engagement and to return the blank periodically into engagement with the tool, said relative rolling motion being so timed that the blank is automatically indexed.

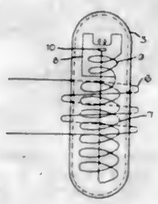
20. In a machine for generating curved tooth bevel gears, a rotary tool having its cutting portions projecting from a plane face and annularly arranged with re-

spect to its axis of rotation, a plurality of blank spindles, means for rotating each of said blank spindles about the axis of the blank carried thereby and means for simul-



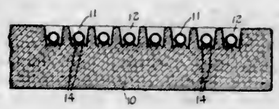
taneously imparting an additional relative movement between tool and each of said blank spindles about an axis intersecting the blank axis.

1,590,467. SPACE DISCHARGE DEVICE. FREDERICK S. MCCULLOUGH, Wilkinsburg, Pa. Filed Dec. 11, 1922. Serial No. 606,348. 10 Claims. (Cl. 250—27.)



1. A space discharge device comprising an evacuated vessel having means wholly within said envelope for building up currents of high potential from energy supplied by means outside said envelope, and means in the vessel for effecting rectification of such currents.

1,590,468. BURNER FOR ELECTRIC RANGES. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed June 24, 1925. Serial No. 39,302. 1 Claim. (Cl. 219—37.)

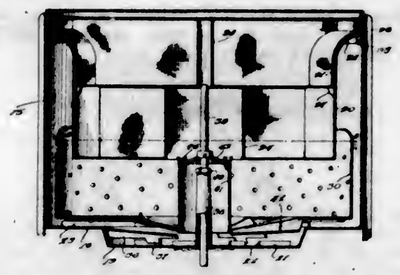


In an electric burner having a helically coiled resistance wire strung in a groove therein, a pair of spaced narrow rails formed on the bottom on the groove in spaced relation to the sides thereof and supporting said resistance wire in an elevated position in the groove and spaced from the sides of the groove.

1,590,469. GOLF CLUB, CRICKET BAT, AND OTHER STRIKING IMPLEMENTS USED IN GAMES. GILBERT MARSH, Haymarket, London, England. Filed Mar. 29, 1926, Serial No. 98,276, and in Great Britain Jan. 8, 1926. 6 Claims. (Cl. 273—80.)

1. In a striking implement for use in games, the combination with an impact portion, of a hollow handle portion, a weight free to move in said hollow portion towards and away from said impact portion, and means separable when in action from the weight for releasably retaining said weight at a point remote from said impact portion until the implement is brought into action.

1,590,470. COMBINED DISH AND CLOTHES WASHING MACHINE AND DRIER. DWIGHT R. MEANS, Barberton, Ohio. Filed July 28, 1924. Serial No. 728,670. 7 Claims. (Cl. 141—9.)

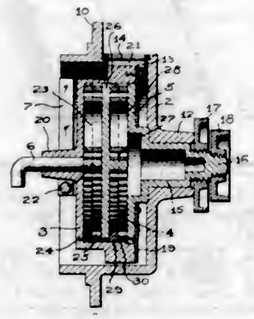


1. A washing and drying machine comprising a tank, a basket in the tank in spaced relation to the bottom of the tank, the bottom of the tank having a central depression constituting a shallow pan, a fan carried by the bottom of the basket and disposed within the pan, an operating shaft journaled below the tank and extending upwardly through the bottom of the tank and through the fan and the basket, and means releasably securing the basket and the fan to the shaft.

1,590,471. GEARED LIMIT SWITCH. WILLIAM E. MENZIES, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1921. Serial No. 502,605. 5 Claims. (Cl. 200—33.)

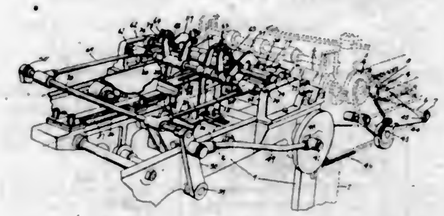
1. The combination with a stationary member and a casing having relatively movable parts one of which is adjustably secured to said stationary member, of coact-

ing contact members respectively carried by said stationary member and one of said casing parts, a reduction gear mechanism within said casing for operatively connecting said casing parts, means for actuating said gear



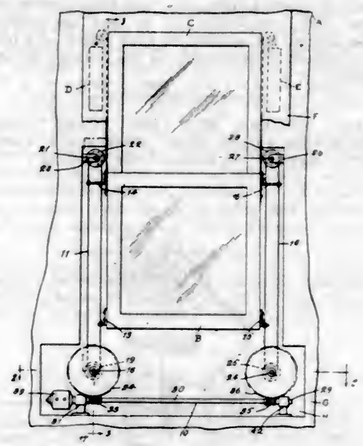
mechanism, and means carried by one of said casing parts for indicating the time required to effect the engagement of said contact members from any relative position of the latter.

1,590,472. WRAPPING MACHINE. HOWARD H. METCALF, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich. Filed July 24, 1925. Serial No. 45,817. 29 Claims. (Cl. 270—52.)



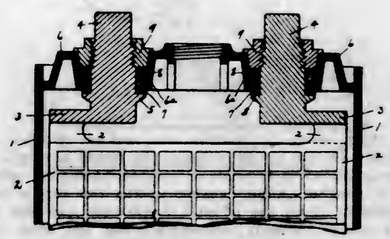
1. In a structure of the class described, the combination with paper feed means, of an insert mechanism comprising a hopper disposed below the path of the paper and having a spring supported pivotally mounted bottom, a table at the rear of said hopper, a blade-like insert feed plunger reciprocating above the hopper and table, said feed plunger having a longitudinally slotted shank, the rear wall of said hopper having a part projecting into said slot, a spring insert retaining finger mounted above said plunger and adapted to rest upon the rear edge of the top insert in the hopper when the plunger is in retracted position, a reciprocating carriage provided with independent pivoted spring pressed arms, heating and pressing rollers mounted on said arms for indepenent vertical movement, pivoted cam tracks for said heating and pressing rollers whereby on the forward stroke of the carriage the pressing roller is caused to engage the work at approximately the point of engagement of the heating roller therewith, actuating cams for said cam tracks acting to hold said heating and pressing rollers in inoperative relation on the return stroke of the carriage, operating connections for said plunger, carriage and cam track control cams whereby the actuating thereof is timed to cause the heating and pressing rollers to act while the insert is supported by said plunger, article controlled driving means for said paper feed means, and article controlled driving means for said insert mechanism.

1,590,473. WINDOW-OPERATING APPARATUS. CHARLES MILLER, Long Island City, N. Y. Filed Mar. 20, 1925. Serial No. 16,972. 7 Claims. (Cl. 268—124.)



1. The combination with a window, of two cables movably supported at each side of the window and both cables attached to the lower and upper sashes, a shaft rotatably mounted crosswise of the window, a reversible electric motor for driving the shaft, means operative by the shaft to move the cables for simultaneously raising the lower sash of the window and lowering the upper sash of the window, an electric circuit leading to the motor, means for controlling the circuit to drive the motor in one direction and to reversely operate the motor, three independently operative switches for closing and opening the circuit at successive intervals, and a controller in the circuit operative with the operation of each of the switches to operate the motor, shaft, and said shaft operative means for moving the cables to raise and lower in unison the sashes of the window determined consecutive distances.

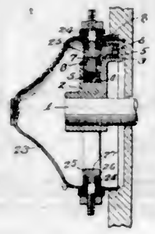
1,590,474. BATTERY-POST SEAL. JAMES H. MILLER, Los Angeles, Calif. Filed Aug. 27, 1924. Serial No. 734,392. 1 Claim. (Cl. 136—168.)



In battery construction, a container, a cover therefor having a well opening therethrough of tapering form, a terminal post having an annular collar formed thereon to engage with the inside of said cover as said post is inserted up through said well opening, a laterally projecting base at the lower end of said post and below said annular collar, a battery plate connected to said base, said post being threaded intermediate its ends, a taper fit nut threaded internally and adapted to screw down on said terminal post, the outer periphery of said nut

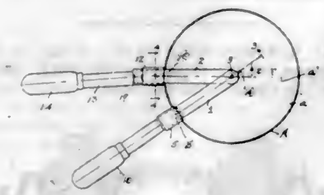
being in direct taper fit with the well opening to wedge thereinto, and a packing placed in the bottom of said well opening around said terminal post and below said taper nut but not extending above said nut, whereby as said nut is screwed down into said well opening on said terminal post, the lower end of said nut forces said packing around the opening through which said terminal post is located, substantially in the manner shown and described.

1,590,475. ROTARY ELECTRIC TIMER. JOHN C. MORGAN, Los Angeles, Calif. Filed Apr. 5, 1922. Serial No. 549,680. 6 Claims. (Cl. 200—24.)



2. An electrical timer comprising an annulus composed of electrical insulation with electrical contact pieces each of which pieces is flush with faces of said annulus which are at right angles to each other; and a rotor having electrical brushes which are respectively yieldingly held in contact with said faces of the annulus.

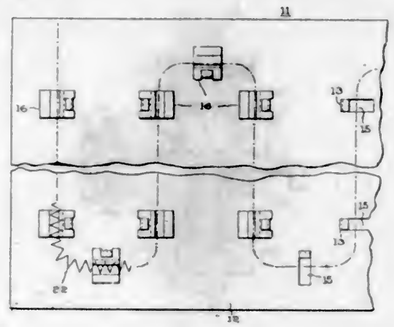
1,590,476. CAN OPENER. VICTOR G. MOSS, Cleveland, Ohio, assignor to The Champion Register Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1924. Serial No. 725,785. 6 Claims. (Cl. 30—3.)



1. In a device for opening cans and the like, the combination of two pivotally connected levers having a projecting pin at their point of pivotal connection adapted to be inserted in an opening in the can top, a cutter adjustable along one of said levers, and can-edge gripping means similarly adjustable along the other lever, said means being automatically actuated upon swinging said levers towards each other.

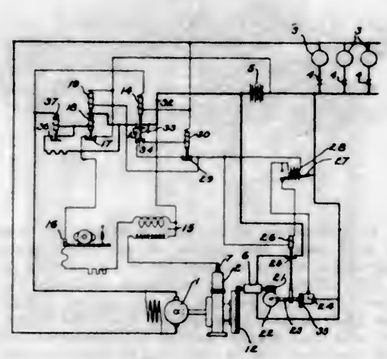
1,590,477. ELECTRIC HEATING UNIT. AUGUST J. MOTTLAU, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 19, 1924. Serial No. 726,905. 4 Claims. (Cl. 201—63.)

1. In an electric heating unit, the combination with a metal plate having a plurality of spaced, integral laterally extending lugs, and a plurality of openings adjacent to said lugs, of a plurality of refractory resistor-supporting members interfitting with said lugs and said



openings, each refractory member having an open groove therein, and a resistor member extending through said open groove and between said refractory members.

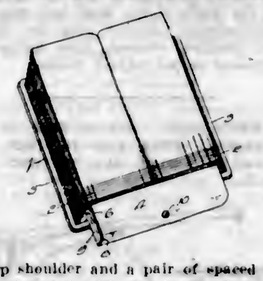
1,590,478. ELECTRICAL SYSTEM. ALEXANDER NYMAN and EDWARD B. NEWILL, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1921. Serial No. 480,443. 2 Claims. (Cl. 290—30.)



1. In an electrical system, the combination with a generator, an engine operatively connected thereto and a starting device for said engine that is normally disconnected therefrom, of means operable upon the closing of a switch associated with the load circuit of said generator to successively effect the connection of said starting device to said engine and the operation of the starting device, establish operating conditions for said engine, render said starting device inoperative regardless of the starting of said engine and close the load circuit of the generator.

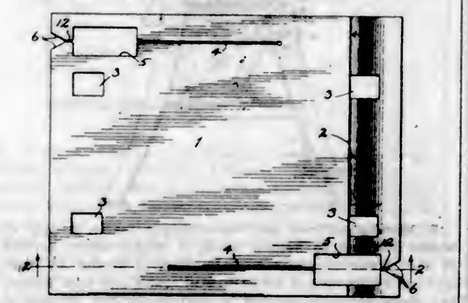
1,590,479. ARMREST. JOSEPH P. O'NEILL, St. Louis, Mo. Filed Mar. 10, 1924. Serial No. 698,050. 3 Claims. (Cl. 120—68.)

1. In a device of the class described, a rectangular metallic hand rest having a downwardly curved forward edge, said hand rest having a downwardly directed rear edge disposed at a right angle to the plane thereof to



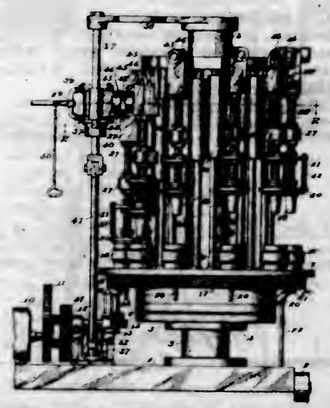
provide a stop shoulder and a pair of spaced rearwardly directed arms integral with the lower edge of the stop shoulder.

1,590,480. RAIL TIE PLATE. WARREN M. OSBORN, Chicago, Ill. Filed Oct. 26, 1925. Serial No. 64,802. 10 Claims. (Cl. 238—304.)



1. A rail anchor comprising a tie-plate having a longitudinal slit extending through one end thereof, and a rail-fastener adapted to be driven into said slit into locking engagement with said plate and into engagement with a rail-base on the plate.

1,590,481. CONTINUOUSLY-REVOLVING PRESS. THOMAS STENHOUSE and DAVID STENHOUSE, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed May 12, 1924. Serial No. 712,754. 31 Claims. (Cl. 49—35.)



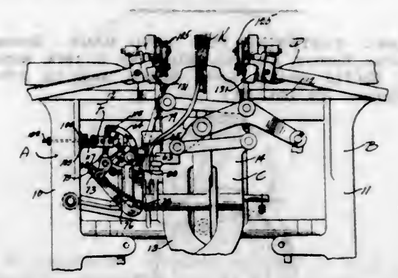
1. In a glass pressing machine, a continuously revolving table, a plurality of molds carried thereby, a plunger for each mold, a movable member, and means carried

by said member for engaging the plungers to successively raise and lower them, said means adapted to operate the plungers while the table and plungers continue to rotate.

1,590,482. DYESTUFFS CONTAINING METALS AND PROCESS OF MAKING SAME. FRITZ STRAUB, Basel, and HERMANN SCHNEIDER, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Apr. 7, 1925, Serial No. 21,439, and in Switzerland Apr. 20, 1924. 18 Claims. (Cl. 260—12.)

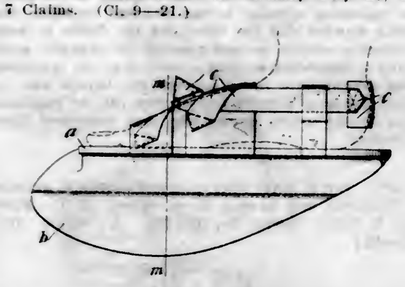
1. The herein described process for the manufacture of new dyestuffs by combining the substitution products of the 1-hydroxy-naphthalene-8-sulfamide with o-hydroxy-diazo-compounds not carrying any carboxyl group and containing not more than one nitro group and treating the dyestuffs thus obtained with agents yielding metals.

1,590,483. BROOM-SEWING MACHINE. RALPH K. THOMSON, Sioux Falls, S. Dak. Filed Sept. 23, 1925. Serial No. 58,153. 9 Claims. (Cl. 112—6.)



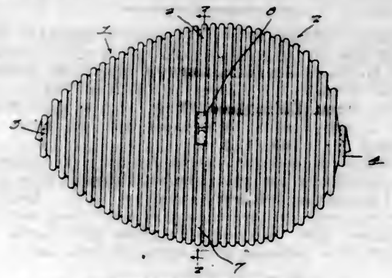
1. In a broom sewing machine the combination of a broom holder, a sewing mechanism, and means for effecting a relative transverse movement between the broom holder and sewing mechanism of a step by step nature with steps of shorter travel during the operation of the sewing mechanism at both of the sides of the broom than at the mid portions thereof.

1,590,484. DEVICE FOR THE AUGMENTATION OF HUMAN SWIMMING PERFORMANCES. WALDEMAR VÖLKER, Leipzig, Germany. Filed July 18, 1924, Serial No. 726,796, and in Germany July 27, 1923. 7 Claims. (Cl. 9—21.)



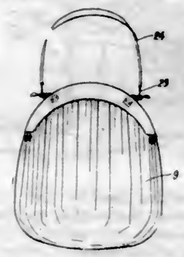
1. A device for the augmentation of human swimming performances, comprising, in combination, a plate adapted to be attached to a foot, and means for attaching it thereto; a blade attached to said plate in inclined position and at the outer side relatively to the foot, the inclination being directed outwards and the surface of said blade decreasing gradually in the direction from the ball of the foot to the heel as well as to the toes, substantially as set forth.

1,590,485. EGG PROTECTOR. MILTON D. VOLLMER, Willow City, N. Dak. Filed Aug. 10, 1925. Serial No. 49,414. 5 Claims. (Cl. 119—45.)



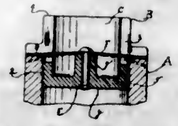
1. An egg protector comprising a pair of complementary cup-shaped sections, each section comprising a volute coil spring, and means for connecting the inner open ends of the sections together.

1,590,486. FASTENING FOR HAND BAGS. ROBERT WAUGH, London, England. Filed Dec. 5, 1924, Serial No. 754,115, and in Great Britain Aug. 13, 1924. 2 Claims. (Cl. 150—33.)



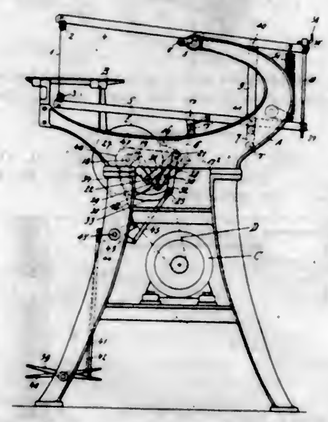
1. A hand bag fastener comprising a pair of frame members hinged together and having overlapping portions each provided with an opening, said openings being in registry when said members are in closed position, a fastening member pivotally mounted at a point intermediate its ends on one of said frame members, the said fastening member having one end arranged to engage in said openings and provided at the opposite end with a manipulating handle, a coiled wire spring on the pivot of the fastening member having one end engaging the fastening member and the other end the frame to keep the fastening member pressed towards the engaging position, and a suspending element connected to the fastening member intermediate the pivot and the handle also to keep the fastening member pressed towards the engaging position by the weight of the bag when suspended from said element.

1,590,487. LOCK CAP FOR GREASE CUPS. ARTHUR G. WILLIAMS and ALBERT KIPP, Sidney, N. Y. Filed Apr. 9, 1924. Serial No. 705,201. 2 Claims. (Cl. 184—48.)



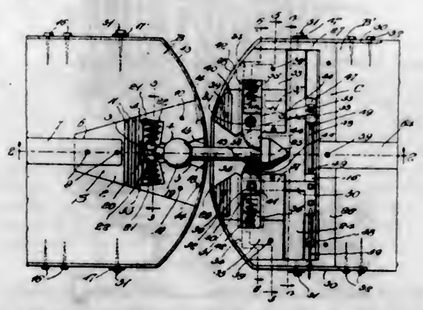
1. In a device of the character described, a male threaded plunger element engaging a corresponding female-threaded chamber element; a cup-shaped bifurcated head surmounting the plunger element; a leaf spring fixed in the cup-shaped head the ends of which project thru the bifurcating slots of the bifurcated head and beyond the walls of the head and may be brought into resilient pressure contact with the rim or upper edge of the chamber element, thus locking the head against accidental or jar-induced turning.

1,590,488. FRET SAW. AUGUST ZOPP, Modling, near Vienna, Austria. Filed Apr. 16, 1923, Serial No. 632,507, and in Austria Apr. 19, 1922. 5 Claims. (Cl. 143—73.)



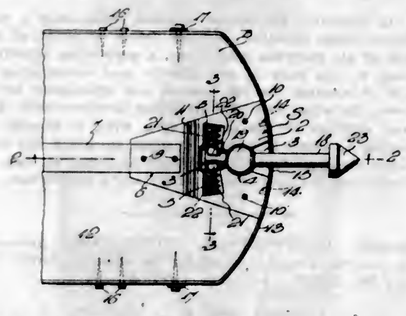
5. Mechanical fret saw comprising a frame, a pair of beams adapted to hold a blade, a rotary shaft carried in said frame, a crank on said shaft, a system of links and levers interposed between said crank and said beams, two links pivotally carried in said frame and pivoted to one of said beams, a single link also pivotally carried in said frame and pivoted to the other beam, a strut inserted between and pivotally connected with said beams, the connection of said strut with said two-links beam being arranged in the vicinity of the pivot connecting one of said links to said beam, and a spring secured to said frame at one end and to said one-link beam at the other and adapted to displace one fulcrum of said system with regard to the point where one of the links of said two-links beam is pivotally carried in said frame.

1,590,489. CAR COUPLER. ROBERT L. BALLOU, Hazard, Ky., assignor of one-third to Albert Stacy, Lothair, Ky., and one-third to George D. Stacy, Hazard, Ky. Filed Apr. 1, 1925. Serial No. 19,967. 7 Claims. (Cl. 213—186.)



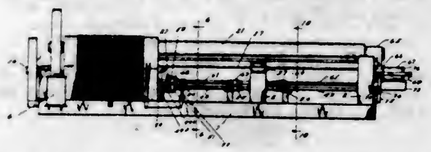
1. A car coupler unit comprising a body adapted to be secured to a car bumper, said body having an opening to receive a car connecting shank, and a substantially U-shaped metal plate secured at its intermediate portion to said body and having an opening alined with the aforesaid opening, said plate being adapted to be secured to the edges of the bumper and its ends being adapted to be secured to the car body.

1,590,490. CAR-COUPLER UNIT. ROBERT LUCIEN BALLOU, Hazard, Ky., assignor of one-third to Albert Stacy, Lothair, Ky., and one-third to George D. Stacy, Hazard, Ky. Original application filed Apr. 1, 1925, Serial No. 19,967. Divided and this application filed Sept. 21, 1925. Serial No. 57,718. 4 Claims. (Cl. 213—14.)



1. A car coupler unit comprising a head having a longitudinal passage provided between its ends with a spherical portion, said head having horizontally opposed pockets which open into said passage in inwardly spaced relation with its spherical portion, a coupling shank adapted for engagement with another coupling unit, said shank having a portion of its length received loosely in said passage and being provided with a ball received in said spherical passage portion, and centering springs for said shank disposed in said pockets and engaging the inner end portion of said shank.

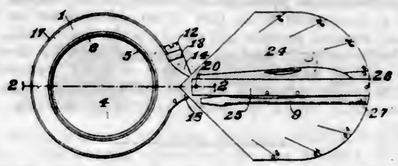
1,590,491. BENDING ROLL. JOHN S. BEALL, Portland, Oreg., assignor to Coast Culvert and Flume Co., Portland, Oreg., a Corporation of Oregon. Filed Oct. 8, 1924. Serial No. 742,383. 14 Claims. (Cl. 153—61.)



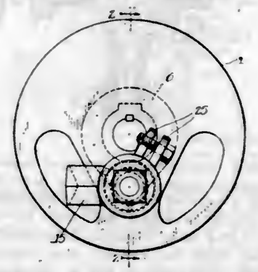
1. In a machine of the class described, the combination of a longitudinal structural base, a structural frame mounted upon the base, journals secured within the frame, one upper and two lower rolls adapted to being revolved within the journals, power driven means adapted to revolve said rolls, means for shifting each of the lower rolls, a bearing supporting the outer end of the upper roll and adapted to be moved into and out of relation with said roll, a fluid pressure means to move said bearing into and out of relation with said upper roll, means permitting the rotation of the bearing about a horizontal axis when moved out of engagement with the upper roll, and means for transmitting the strain, when the roll is under pressure, from the bearing directly to the frame support.

1,590,492. POCKET CASE. ANTHONY FREDERICK BENSON, Virginia, Minn. Filed May 5, 1924. Serial No. 711,002. 4 Claims. (Cl. 206—38.)

1. The combination of a measuring tape, a hollow ring housing for said tape, a magnifying lens mounted within the hole of said hollow ring housing, a folding guard case enveloping said housing, when closed, a knife blade and screw-driver mounted on said guard case, and a protractor inscribed on the leaves of said guard case, substantially as set forth.

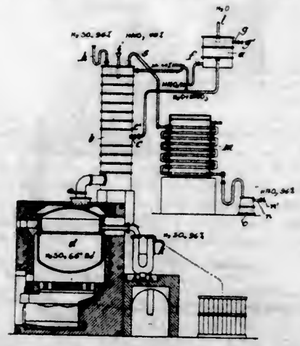


1,590,493. FLYWHEEL. JOHN C. BOHMKER, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Apr. 2, 1925. Serial No. 20,097. 7 Claims. (Cl. 74—38.)



7. In combination, a mower fly wheel, a crank pin mounted eccentrically on said fly wheel, a split sleeve on said crank pin, means to feed oil to the wearing surface of said crank pin, a pitman box housing said sleeve, means holding the sleeve against turning, means to contract said sleeve on said crank pin, and means to retain said sleeve and pitman box in position and to prevent oil leakage.

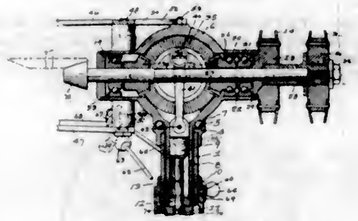
1,590,494. PROCESS OF CONCENTRATING NITRIC ACID IN A COLUMN. WILLI BÜSCHING, Halle, Germany. Filed May 14, 1923, Serial No. 638,863, and in Germany Aug. 17, 1922. 2 Claims. (Cl. 23—160.)



1. A process of concentrating nitric acid in an evaporation column connected at its bottom with a boiler for surfuric acid, comprising the steps of introducing a mixture of nitric and sulfuric acids at the top of the column; passing the vapors from the boiler upwardly through the column in countercurrent with said mixture to heat the same and thereby convert the water originally contained in the nitric acid into steam; and withdrawing from said

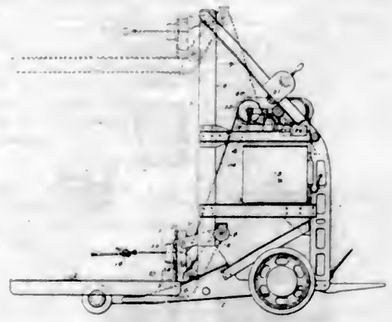
column so much of the steam as is necessary to obtain the nitric acid in highly concentrated state and to have the sulfuric acid leave the apparatus in its original degree of concentration so that it can be returned to the circuit without further treatment; while maintaining in the boiler sulfuric acid of sufficient strength to develop only sulfuric acid vapors and none of water, and maintaining in the column a temperature sufficiently high to prevent any traces of nitric acid from entering the boiler.

1,590,495. WINDMILL. PATRICK R. CAMPION, Oakland, Calif., assignor to Thomas H. Foley, Oakland, Calif. Filed Aug. 28, 1924. Serial No. 734,612. 3 Claims. (Cl. 170—47.)



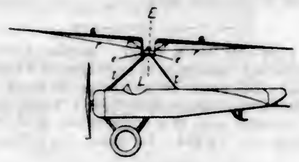
1. A windmill comprising a tower, a hollow base rotatable horizontally upon the tower, a pair of oppositely rotatable fans, a pair of telescoping independently rotatable coaxial shafts to which said fans are respectively secured, said shafts being disposed horizontally upon the base and offset from the vertical axis thereof, opposed bevel gear pinions secured in spaced relation upon said shafts, a bevel gear wheel journaled upon said base and disposed between said pinions and meshing therewith, a vertically extending driving shaft disposed in axial alinement with the base, a connecting rod disposed in axial alinement with the driving shaft and extending between said pinions and eccentrically pivoted to said toothed wheel.

1,590,496. INDUSTRIAL TRUCK. WILLIAM C. CARR, Buffalo, N. Y., assignor to The Automatic Transportation Company, Buffalo, N. Y., a Corporation of Arizona. Filed Aug. 31, 1923. Serial No. 660,382. 4 Claims. (Cl. 214—65.)



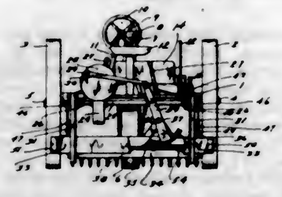
1. A tiering truck having a vertically movable load carrying platform and operating means for said platform in combination with a load moving cable and guide means for said cable mounted at the inner end of said platform and comprising a pair of sheaves arranged in a common vertical plane and between which the cable is movable and a pair of rollers mounted in advance of said sheaves with their pass alining with the pass of said sheaves.

1,590,497. AEROPLANE WITH ROTATING WINGS. JUAN DE LA CIERVA, Madrid, Spain. Filed Mar. 31, 1923. Serial No. 629,217, and in Spain Apr. 18, 1922. 4 Claims. (Cl. 244—19.)



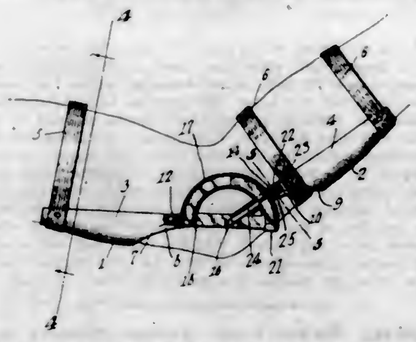
1. In aircraft, an aerofoil system comprising a plurality of wings mounted to rotate freely by virtue of the action of air currents upon them, a supporting structure secured to the body of the aircraft and constituting a center of rotation for the system and articulated joints between the wings and the supporting structure such that during rotation of the system each wing is capable of assuming at every moment a position in which the centrifugal force produced by rotation and the lift due to the action of the air-currents tend toward equilibrium.

1,590,498. AGRICULTURAL CULTIVATOR. ABSALOM B. COUNTS, Vernonia, Oreg. Filed Mar. 19, 1925. Serial No. 16,725. 5 Claims. (Cl. 97—44.)



1. An agricultural cultivator, comprising a structural frame mounted upon two primary wheels and a pilot wheel, a guideway mounted below the main frame, a head maintained within said guideway, means whereby a reciprocating motion may be imparted to said head within the guideway, said means comprising a rack, a pivotally mounted gear segment, a pitman and a crank disk mounted upon a rotatable shaft; and cutter teeth disposed upon the lower side of said head.

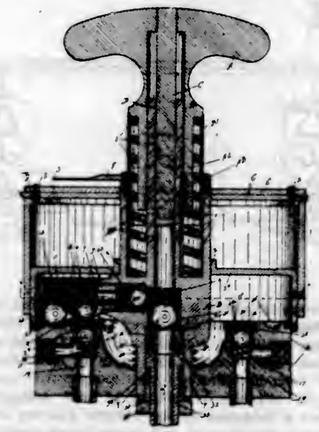
1,590,499. MEASURING INSTRUMENT. ESTER G. COZAD, Corry, Pa. Filed Feb. 17, 1925. Serial No. 9,817. 2 Claims. (Cl. 33—1.)



1. A device for measuring the angle between relatively movable joint-forming elements in the human body, comprising hingedly connected members so constructed as to fit upon the joint-forming elements, a protractor

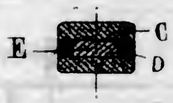
mounted on one of said members, an index, means for mounting the index for swinging movement, and a projection on the other of said members and adapted to engage the index to cause the index to cooperate with the protractor, the index being resilient, to the end that it may be disposed on either side of the projection.

1,590,500. OILING DEVICE. FREDERICK A. DAHLE, Logan, Utah. Filed Mar. 1, 1926. Serial No. 91,353. 2 Claims. (Cl. 184—28.)



2. A lubricating device comprising a dial plate secured on a mechanism to be oiled; an oil pump rotatably and longitudinally movable in said dial plate; a positioning member connected with said pump and having a radially disposed oil conduit bored therein; means to regulate the flow of oil through said member; a distributing member secured to said dial plate and having a plurality of oil conduits bored therein; valves to regulate the flow of oil through said conduits; and oiling tubes in connection with each of the last mentioned conduits.

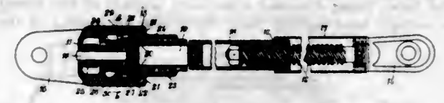
1,590,501. SPORTING-GUN CARTRIDGE PLUG. VICTOR DESCHIENS, Paris, France, assignor to Joseph Francois Esteban-Reynolds, Paris, France. Filed Dec. 10, 1924, Serial No. 755,080, and in Belgium Dec. 14, 1923. 4 Claims. (Cl. 102—42.)



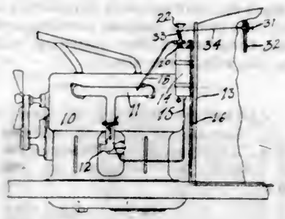
4. Wadding for shot-gun and similar cartridges, consisting essentially of two end disks, and an intermediate disk of much smaller diameter interposed between and directly contacting with said end disks, all three disks being made of cork and structurally separate from one another; and a strip of fibrous material wrapped around the periphery of the intermediate disk and impregnated with an agglutinant which is fusible under the heat of the gases of explosion when the cartridge is fired.

1,590,502. AUTOMATIC SLACK ADJUSTER FOR RAILWAY BRAKES AND THE LIKE. AXEL RUDOLF KONRAD DJURSON, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a Corporation of Sweden. Filed Feb. 5, 1926, Serial No. 86,344, and in Sweden Mar. 14, 1925. 4 Claims. (Cl. 188—202.)

1. In a slack adjuster for brakes, an adjuster screw and nut means, the angle of inclination of the threads of the adjuster screw and the nut means being so great as to prevent a self-locking of the adjuster screw in the nut means or vice versa, a compulsorily controlled blocking device which is rendered operative during a portion only of the braking operation, the one member of said blocking device being connected to said screw means.

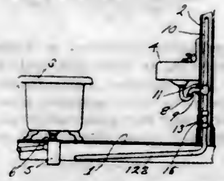


1,590,503. ECONOMIZER FOR INTERNAL-COMBUSTION ENGINES. HENRY F. GORDON, Chicago, Ill. Filed Sept. 20, 1923. Serial No. 666,877. 2 Claims. (Cl. 123—119.)



1. An economizer for an internal combustion engine equipped with a vacuum fuel tank, comprising a branched pipe connection body adapted to be attached to the vacuum connection of the tank, a pipe connection from one branch of said body to the intake manifold of the engine, a combined priming cup and air bleed connected to another branch of said body, and a valve in said body controlling only said priming cup and air bleed connection.

1,590,504. SANITARY BUILT-IN CLEAN-OUT. HENRY L. GOTTESBUREN and JOHN P. JOYCE, Kansas City, Kans. Filed Feb. 23, 1924. Serial No. 694,476. 4 Claims. (Cl. 137—75.)

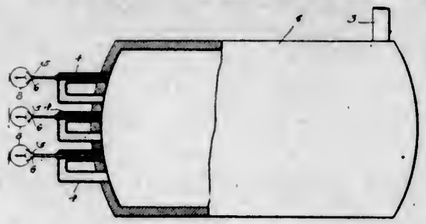


1. In household plumbing, the combination of a hollow wall having an opening communicating with the hollow thereof, an upright waste pipe within the wall, a branch waste pipe entering the wall and connected with the upright waste pipe, a T in the upright waste pipe, a short boss on the T having a large bore opposite the opening in the wall and a removable closure for the boss within the wall.

1,590,505. APPARATUS FOR DETERMINING THE LEVEL OF HEATED LIQUID IN A VESSEL CONTAINING BOTH THE LIQUID AND ITS VAPOR. RICHARD W. HANNA and WILLIAM D. MASON, Richmond, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a Corporation of California. Filed Jan. 16, 1920. Serial No. 351,980. 4 Claims. (Cl. 177—351.)

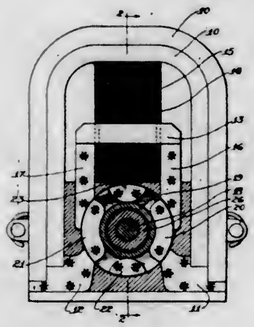
1. An apparatus for determining the level of a liquid oil undergoing distillation in a vessel, comprising a plurality of temperature indicating or measuring means posi-

tioned within horizontally disposed U shape tubes having both arms open into the vessel said U-tubes being disposed at vertically spaced apart points along the vessel, the tubes being disposed sufficiently outside of the vessel to radiate heat so that when filled with oil cooling of the



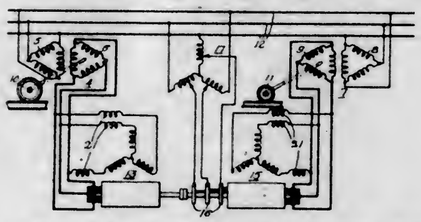
oil will cause the circulation of oil therethrough and when the upper end is filled with vapor the condensation of the vapor will cause a marked lowering in the resultant indicated temperature, thus positively indicating the level of the oil within the vessel.

1,590,506. MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Apr. 3, 1922. Serial No. 549,000. 13 Claims. (Cl. 171—209.)



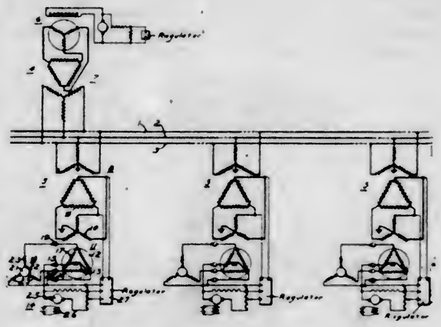
1. In an oscillating magneto, a permanent magnet, pole pieces therefor, an induction coil, a core for said coil, a rotor, and inductor elements thereon arranged when in normal position to complete a path for the flow of flux from said pole pieces through said core, and when in cocked position to short circuit said core.

1,590,507. CONTROL AND EQUALIZING SYSTEM. RUDOLF E. HELLMUND, Swissvale, Pa. Filed Apr. 14, 1920. Serial No. 373,959. 15 Claims. (Cl. 172—274.)



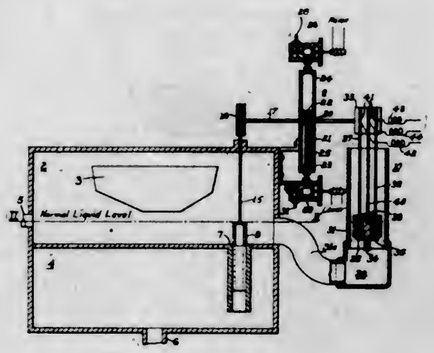
1. The combination with a plurality of similar induction motors, of a common load supplied thereby, means for causing said motors to operate at different speeds, whereby said load tends to become unequally divided, and means for equalizing said load distribution comprising auxiliary dynamo-electric machines.

1,590,508. TRANSMISSION SYSTEM. RUDOLF E. HELLMUND, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1923. Serial No. 674,103. 6 Claims. (Cl. 172—237.)



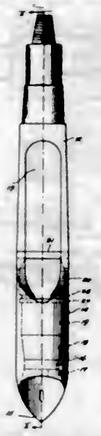
1. A system of power transmission comprising a transmission line, a source of energy connected thereto, a synchronous condenser connected to the line at a point remote from said source, the rotor of said condenser having a damper winding, and means for materially reducing the effective resistance of said damper winding to effect a reduction in the natural hunting tendency of said rotor, portions of said rotor being apertured to provide certain effects of an increased air gap and assist in the synchronous operation of the condenser.

1,590,509. CONTROL APPARATUS. LLOYD J. HIBBARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Continuation in part of application Serial No. 295,378, filed May 7, 1919. This application filed Mar. 1, 1924. Serial No. 696,173. 12 Claims. (Cl. 201—57.)



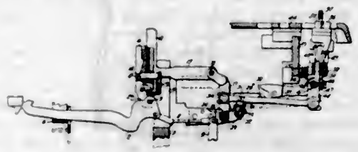
3. In a rheostat, in combination, a container for electrolyte, electrodes disposed in the container, means for varying the level of the electrolyte in the container, means for actuating the level-varying means, and means controlled by the current flowing through the rheostat for interrupting the operation of said actuating means whereby said electrolyte level is controlled to maintain a substantially constant current.

1,590,510. ECCENTRIC COMBINATION SOCKET. FRANK J. HINDERLITER, Tulsa, Okla. Filed Aug. 17, 1925. Serial No. 50,741. 5 Claims. (Cl. 294—102.)



1. In a combination socket, an expansible gripping mechanism comprising serrated jaws, a spring normally contracting said jaws and a retaining ring for said spring having outstanding lugs adapted to engage in suitable recesses in the socket wall by a partial rotation of said ring.

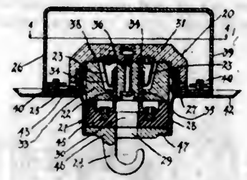
1,590,511. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 8, 1923. Serial No. 661,618. 13 Claims. (Cl. 197—82.)



1. In a typewriting machine, the combination of a shiftable universal bar, a dog carrier independent of case shifting movements, connections between said universal bar and said dog carrier comprising a link, means for varying the points of connection of said link with its associate parts, said means comprising a pivoted plate, and means for clamping said plate in invariable positions.

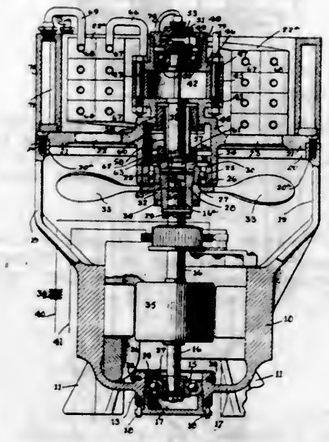
1,590,512. COMBINATION ELECTRICAL CONNECTER AND FIXTURE-SUPPORTING DEVICE. CHARLES L. HOPKINS, River Forest, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 23, 1920. Serial No. 419,147. 5 Claims. (Cl. 173—330.)

5. The combination with an outlet box, of a supporting plate attached to said box, a receptacle secured to one side of said plate, said plate having an opening, and said receptacle having a portion extending through said opening and having a face substantially flush with the face of the adjacent surrounding receptacle construction, the receptacle having a plurality of recesses, electrical contacts in said recesses beyond the plane of the face of the receptacle, and a fixture supporting and connecting device comprising an insulating base, contacts carried thereby adapted to enter said recesses for engagement with the receptacle contacts, said fixture supporting and connecting device having means for effecting mechanical connection between itself and said supporting plate comprising a member having a movement of rotation about said insulating base and having means extending through said plate and surrounding a



portion of said receptacle, said plate having means adapted to engage with said connecting member by said movement of rotation.

1,590,513. COOLING APPARATUS. GEORGE E. HULSE, New Haven, Conn., assignor to Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Feb. 8, 1922. Serial No. 534,878. 15 Claims. (Cl. 62—116.)

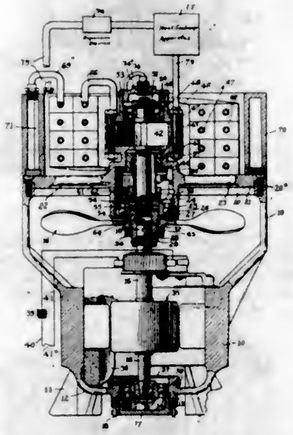


6. In apparatus of the nature of that herein described, in combination, a motor having a frame provided with vertically extending supporting arms, a compressor driven by said motor, a condenser coil for receiving compressed fluid from said compressor and a curved receiver for receiving condensed fluid from said condenser, said condenser coil and said receiver being arranged concentrically and supported by said arms, and means driven by said motor for passing a cooling fluid in thermal contact with said condenser.

1,590,514. COOLING APPARATUS. GEORGE E. HULSE, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Original application filed Feb. 8, 1922. Serial No. 534,878. Divided and this application filed Dec. 4, 1924. Serial No. 753,924. 21 Claims. (Cl. 230—30.)

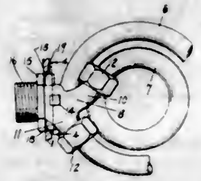
1. In apparatus of the nature of that herein described, in combination, a main frame, a prime mover having a shaft rotatably supported therein, an auxiliary frame, a compressor having a substantially fluid-tight casing mounted upon said auxiliary frame and having an operative shaft extending through said casing, a detachable driving connection between said two shafts, means for mounting said auxiliary frame upon said main frame thereby to aline said two shafts in operative connection, a detachable fluid-tight connection between said shafts and said compressor casing comprising an expansible sleeve surrounding said compressor shaft and rigidly se-

cured at one end to said casing to be movable therewith and with said auxiliary frame, a collar upon said prime mover shaft, means having a bearing surface mounted upon the other end of said expansible sleeve and adapted to contact with said collar to form therewith a fluid-



tight joint, and means for moving said prime mover shaft in an axial direction thereby to adjust the pressure of contact between the bearing surface on said expansible sleeve and said collar on said prime mover shaft.

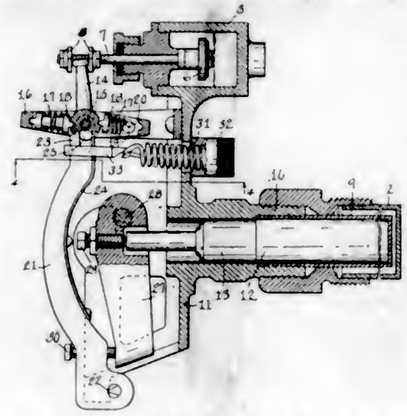
1,590,515. WATER HEATER. HERBERT S. HUMPHREY, Kalamazoo, Mich., assignor to Rund Manufacturing Co., Pittsburgh, Pa. Filed Nov. 6, 1922. Serial No. 599,271. 10 Claims. (Cl. 122—250.)



1. In a water heater, the combination of a casing provided with a top and having a side opening near the bottom thereof and an opening in its top, spirally wound heating coils disposed one within the other, the wind of one coil being opposite that of the other, coupling and supporting members each having oppositely disposed arms connected to the ends of said coils, said arms being provided with couplings facilitating the connection of said coils thereto and being disposed so that one arm does not interfere with the manipulation of the coil coupling of the other, said coupling members being disposed through said openings in said casing and provided with lugs limiting their outward movement therein and supporting them against rotative movement in said openings, and nuts on the outer ends of said couplings clamping the same to said casing, the projecting ends of said coupling members being threaded at the outside of said nuts to facilitate connection thereto.

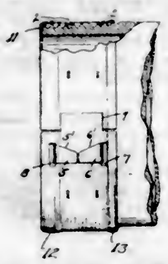
1,590,516. VALVE MECHANISM. HERBERT S. HUMPHREY, Kalamazoo, Mich. Filed Aug. 22, 1924. Serial No. 733,552. 6 Claims. (Cl. 236—48.)

1. The combination with a thermostat and a valve, of a pivoted valve lever connected to said valve, a rocker having an eccentric lug, operating connections for said rocker to said valve lever whereby the lever is actuated with a snap action upon the actuation of the rocker, a stop limiting the throw of said rocker, an actuating lever operatively associated with an element of the thermostat and provided with a pair of fingers coacting with



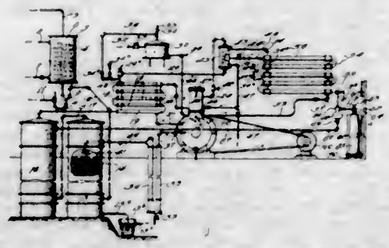
said lug, one of said fingers being a spring adapted to yield on the excessive throw of said actuating lever by the thermostat, and a return spring for said actuating lever.

1,590,517. PIPE-THREAD PROTECTOR. MAYHELT JACOBS, Oakland, Calif. Filed Mar. 3, 1924. Serial No. 696,503. 5 Claims. (Cl. 137—91.)



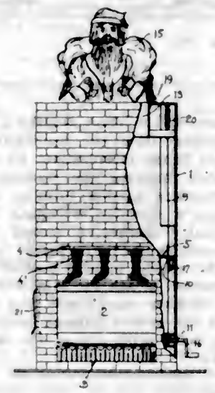
1. A pipe end protector, comprising a beaded ring with an inturned flange, the ring ends having bendable ears to secure the ends together and shaped to pull the ring ends together when the ears are pounded down.

1,590,518. APPARATUS FOR COMPRESSING GAS. WILLIAM M. JEWELL, Chicago, Ill., assignor to Chlorine Products Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 12, 1919, Serial No. 296,460. Divided and this application filed Feb. 11, 1921. Serial No. 444,188. 13 Claims. (Cl. 230—6.)



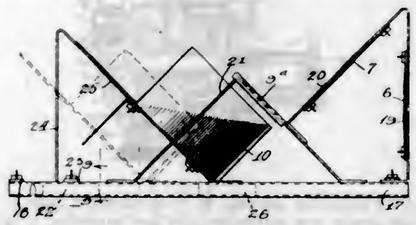
1. In apparatus of the character set forth, the combination of a compressor of the closed crank-case type for compressing gas, containing an inlet for gas, to be compressed, an outlet, and a second inlet, means for supplying to the crank-case of the compressor through said second inlet and during the operation of the compressor, the same kind of gas under a pressure not less than that of the atmosphere, and means for cooling the gas last referred to in its passage to the crank-case, whereby suction exerted in the crank-case is relieved by gas and the gas being compressed is undiluted by mixture with air.

1,590,519. CHRISTMAS TOY. ANNA B. JONES, Mobile, Ala. Filed Feb. 26, 1926. Serial No. 90,810. 2 Claims. (Cl. 46—37.)



1. In a toy, an upright hollow body or chimney, provided with a lower fire place opening and a lower dumping chamber, and an upper opening for insertion of confectionery and the like, and an upper loading chamber, a transverse partition located in said hollow chimney and forming the bottom of said loading chamber and the top of said dumping chamber, an upright vertically reciprocatory slide carrying the representation of a Santa Claus or other figure and working in said chimney, and hand operated means for discharging confectionery in the loading chamber and resting upon said partition downwardly within said dumping chamber and for simultaneously causing said figure to descend within said chimney.

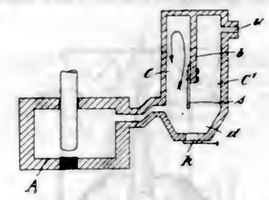
1,590,520. POSTING TRAY. HARRY S. JONES, Chicago, Ill. Filed Aug. 20, 1923, Serial No. 658,252. Renewed Nov. 20, 1925. 11 Claims. (Cl. 45—57.)



4. A loose sheet aliner comprising a base and a pair of converging walls at right angles to said base, the planes of said walls cutting the base in oblique lines.

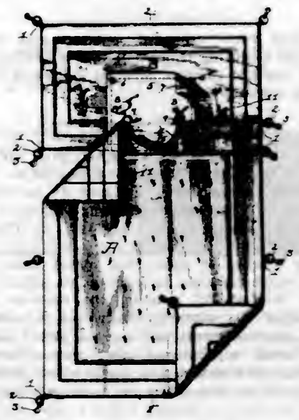
1,590,521. CONDENSING APPARATUS IN CONNECTION WITH AN ELECTRIC FURNACE FOR THE PRODUCTION OF VOLATILE METALS. FRANZ JURETZKA, Breslau, Germany. Filed Apr. 20, 1923, Serial No. 633,501, and in Germany Apr. 22, 1922. 12 Claims. (Cl. 204—64.)

1. A condensing apparatus in connection with an electric furnace for the production of volatile metals such as zinc comprising a chamber, an inlet passage at the lower end thereof, an outlet for incondensable gases, a discharge opening at the bottom of said chamber, and a



partition depending from the top of the chamber so as to divide the upper part of the latter into two sections essentially as described.

1,590,522. CHILD'S BED COVER. MABELLE GINSBERGH KALMAN, Rock Island, Ill. Filed Oct. 26, 1925. Serial No. 64,763. 3 Claims. (Cl. 5—336.)



1. As a new article of manufacture, a protective baby cover comprising a pair of blanket units of different surface areas and together adapted, when partially overlapped, for use in a crib as a single unit, means on the two units for removably securing the same to the crib, a neck opening in the top margin of the larger unit, a pair of band-straps, each secured at one end to the lower part of the small unit and substantially below the lower part of the neck opening, whereby said bands may be secured about the body of the occupant below the arms, and means on the two units for removably securing the latter in superposed arrangement.

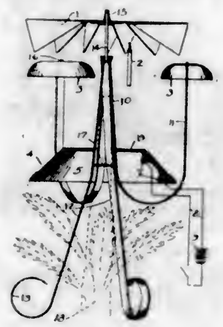
1,590,523. PROCESS OF MAKING ARTIFICIAL MARBLE AND STONE. OTTO KELL, Des Moines, Iowa. Filed June 26, 1924. Serial No. 722,566. 6 Claims. (Cl. 18—48.8.)

1. The process of manufacturing artificial marble or the like comprising the mixing together of Keene's cement and silica in dry form, adding thereto potassium chlorate dissolved in hot water and while the solution so formed is still hot until a paste like consistency is had, pouring of the mixture upon a highly polished surfaced mold.

1,590,524. MUSICAL ORNAMENT FOR CHRISTMAS TREES. OSCAR F. KEYDEL, Detroit, Mich. Filed Sept. 27, 1923. Serial No. 665,043. 7 Claims. (Cl. 46—14.)

1. In a device of the character described, the combination with a rotor having radial vanes and journaled

to turn about a vertical axis of a striker carried by said rotor, a resonant member arranged in the path of said striker, an electrical heating element disposed co-axially with said rotor beneath the same, and a common mount-



ing for said rotor, resonant member, and heating element, said mounting comprising a plurality of parts, and said heating element forming a means for holding said parts assembled.

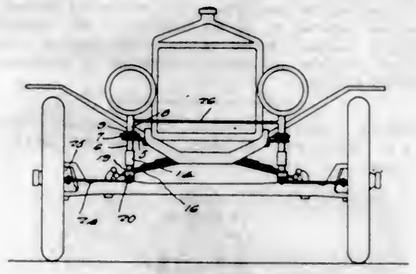
1,590,525. PROCESS OF EXTRACTING NICKEL AND COBALT FROM FERRUGINOUS ORES. FRANK O. KICHLINE, Lebanon, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Oct. 10, 1922. Serial No. 593,642. 5 Claims. (Cl. 75—18.)

1. The process of recovering nickel from a complex iron ore which consists in adding an alkali metal sulphate to the ore, in roasting the mixture to approximately 1250° F., whereby the nickel is acted upon to form an alkaline metal sulphate of nickel and whereby alkaline metal sulphates of other metals including iron are largely decomposed and such other metals to the extent of the decomposition are rendered insoluble.

1,590,526. HIGHWAY CONSTRUCTION. EDWARD D. KINNEY, Twin Falls, Idaho. Filed Dec. 3, 1923, Serial No. 678,258. Renewed May 3, 1926. 2 Claims. (Cl. 238—3.)

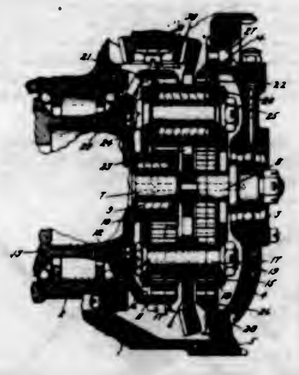
1. In combination, a railroad track, a roadbed crossing the same, a transverse hump in the roadbed in operative proximity to the crossing for forcing an approaching vehicle to slow down before passing the crossing, said hump extending only over that side of the roadbed used by approaching vehicles, and a central curb on the roadbed connecting with the hump for preventing the vehicle from avoiding the hump.

1,590,527. DIRIGIBLE HEADLIGHT. EDWARD KOSKI, Brooklyn, N. Y. Filed May 2, 1925. Serial No. 27,511. 1 Claim. (Cl. 240—62.)



In a structure of the class described, a headlight, a standard depending from the headlight and provided with an annular flange intermediate its ends, a tubular member rotatably receiving the standard and provided with an intermediate portion forming a casing to receive the flange, a cylinder extending from the lower end of the tubular member, a second tubular member rotatable and slidable in the cylinder, a spline connection between the second tubular member and the lower end of the standard, means for rotatably supporting the second tubular member on the axle of a vehicle, a crank extending from the second tubular member, and means connecting the crank with one of the dirigible portions of the vehicle.

1,590,528. REDUCTION GEARING. RAYMOND P. LANSING, Montclair, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a Corporation of New York. Original application filed June 30, 1919, Serial No. 307,713. Divided and this application filed July 7, 1920. Serial No. 394,470. 10 Claims. (Cl. 74—34.)

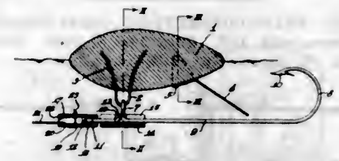


1. In reduction gearing, in combination, a pair of internal gears, one stationary and one rotatable, a spider located and rotatable between said internal gears and having peripheral gear teeth, a pair of rigidly connected gears mounted in said spider and meshing one with each internal gear, and a power gear meshing with said peripheral gear teeth of the spider.

1,590,529. CASTING BAIT. CHARLES F. LARZELERE and IRVIN G. FOULK, Flint, Mich. Filed Mar. 21, 1925. Serial No. 17,345. 10 Claims. (Cl. 43—46.)

1. In a casting bait, a surface buoyant member, a hook attached to said buoyant member with the shank of the

hook under said buoyant member and arranged to remain substantially parallel to the axis of said buoyant member during the action of said bait on a body of water, or when

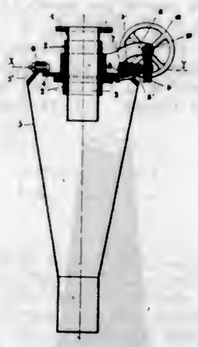


casting, and a vane under the rear portion of said buoyant member and preventing said hook from contacting with said buoyant member.

1,590,530. PAPER DISPENSER. JOHN F. LEIDECKER, Alameda, Calif. Filed Nov. 9, 1922. Serial No. 599,795. 6 Claims. (Cl. 211—32.)

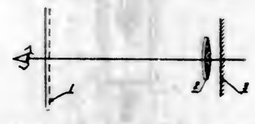
1. Dispensing means for a roll of paper revolvably mounted on a horizontal axis comprising a horizontal guide edge spaced from the roll and lying substantially in the horizontal plane of the axis thereof and a yoke pivoted between the guide edge and the roll having weights associated with the free ends thereof so as to normally occupy a vertical position with the base of the yoke presented higher than the roll of paper so as to swing forward with the paper for abnormally increasing the unrolled length thereof when the paper is advanced over the guide edge.

1,590,531. APPARATUS FOR THE HYDRAULIC UNLOADING OF MATERIAL. PAUL JOSEPH LEMAITRE, Abbeville, France. Filed Jan. 27, 1923, Serial No. 615,289, and in France Feb. 4, 1922. 2 Claims. (Cl. 299—73.)



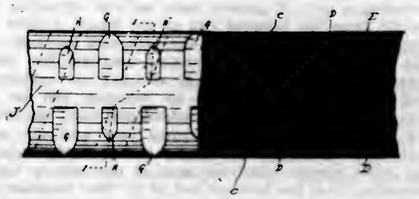
1. An apparatus for the hydraulic unloading of material from vehicles into a lateral storage space, comprising a substantially vertical and stationary water inlet branch, a horizontal support turning coaxially about said inlet branch, a water jet tube the upper part whereof is mounted upon said support and is spaced from and oscillates about said inlet branch, whereby the water jet tube may oscillate about a horizontal axis passing through said inlet branch and in any position receive the water escaping freely from the inlet branch, and common means to oscillate said water jet tube about a horizontal axis and to rotate same about a vertical axis.

1,590,532. METHOD AND ARRANGEMENT FOR THE EXAMINATION AND THE REGULATION OF OPTICAL SYSTEMS. LEON LENOUVEL, Bihorel-Rouen, France. Filed May 28, 1923, Serial No. 642,058, and in France July 4, 1922. 3 Claims. (Cl. 88—56.)



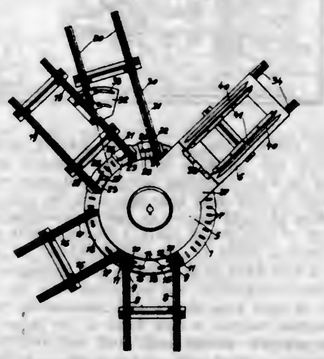
3. An arrangement for the examination and regulation of optical systems comprising a ruled screen substantially in the front focal plane of the optical system to be examined, and a plane mirror on the further side of the system.

1,590,533. RESILIENT TIRE. LEMUEL MCKINNON, Salt Lake City, Utah. Filed May 4, 1925. Serial No. 28,040. 5 Claims. (Cl. 152—1.)



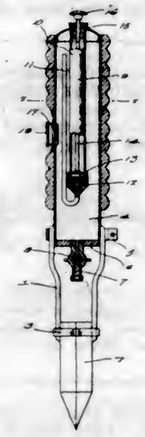
1. A vehicle tire comprising a portion contiguous the rim of the wheel made of solid rubber having spaced apart transverse integral portions; an annular sponge rubber core having transverse portions integral therewith and filling the spaces between the first mentioned transverse portions; and a tread portion contiguous the upper faces of said sponge rubber portions, all of which forms a heterogeneous tire.

1,590,534. TURNTABLE FOR PORTABLE RAILWAYS. OTTO MÄDER, Emmendingen, Germany. Filed Nov. 9 1925, Serial No. 68,012, and in Germany May 11, 1925. 17 Claims. (Cl. 104—35.)



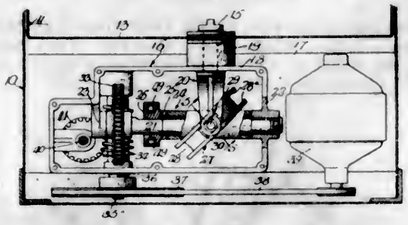
2. In a portable railway turntable, a base plate, a rotary platform on said base plate, and a ramp with wheel guide strips hinged to the border of said rotary platform.

1,590,535. SOLDERING IRON. PETER MADSEN, Rantoul, Ill. Filed June 18, 1925. Serial No. 38,007. 1 Claim. (Cl. 158—24.)



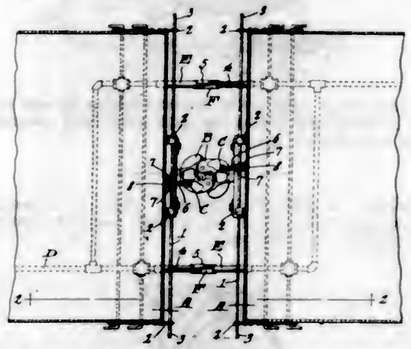
A soldering iron comprising in combination, a frame including a pair of opposed bars, an iron extending forwardly from the forward end of the frame, a band encircling the forward end of the bars and the rear portion of the iron for detachably securing the latter between the forward ends of the bars, a cylindrical fuel chamber supported at its forward end in the rear end of the frame, an additional band encircling the rear portions of the opposed bars and the adjacent portion of the chamber for detachably securing the latter between the rear ends of the bars, a burner extending from the forward end of the fuel chamber and terminating in spaced relation with respect to the rear end of the iron, a cut off valve associated with the burner, and an air pump within the fuel chamber.

1,590,536. GEARING. THOMAS H. MARS, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1924. Serial No. 722,198. 4 Claims. (Cl. 74—14.)



1. In combination, a gear box having upright front, rear and end walls, a rotary, oscillatory driven shaft bearing in and extending beyond said rear wall, a driving shaft within said gear box with its axis of rotation extending at right angles to and intersecting the axis of rotation of said driven shaft, a sleeve loosely mounted on said driving shaft in the neighborhood of said driven shaft, a cam fixed to said sleeve and having a cam groove in a plane located in the angle between the axes of rotation of said two shafts and containing the point of intersection thereof, a fork fixed to the inner end of said driven member within said gear box and having arms operatively engaged with said cam groove at diametrically opposite points, an operating shaft bearing in the front and rear walls of said gear box, a worm and gear connection between said operating shaft and said driving shaft, a clutch member on said driving shaft adapted to connect said sleeve to said driving shaft, and an arm extending out of said gear box for operating said clutch member.

1,590,537. TRAIN CONNECTION. JAMES MERRYWEATHER, Greencastle, Ind. Filed Jan. 8, 1926. Serial No. 80,102. 3 Claims. (Cl. 213—76.)



1. The combination with railway cars, couplings carried thereby and adapted to interlock, pins for holding the couplings against separation, pipe lines including a flexible hose, and couplings between the hose, of a rotatable shaft upon each car, and means operated by the rotation of the shaft in one direction for first disconnecting the hose coupling and thereafter lifting a pin to release the car couplings.

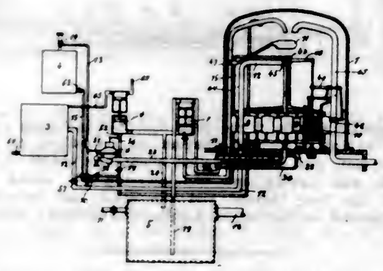
1,590,538. TOY GUN. HERMAN A. MIKSCH, Cushing, Okla. Filed Mar. 23, 1926. Serial No. 96,767. 4 Claims. (Cl. 124—14.)

1. A toy gun including a barrel section having spaced shoulders facing toward the muzzle end thereof and the rear faces of said shoulders inclining downwardly toward the rear end of the stock adapted to selectively receive one end of an elastic band and a trigger operated bolt at the stock end of the barrel adapted to receive the opposite end of the band.

1,590,539. INTERCHANGEABLE BOBBIN. ALFRED D. MULLER, Beverly, N. J. Filed Oct. 28, 1925. Serial No. 65,370. 2 Claims. (Cl. 242—121.)

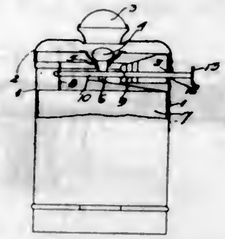
1. In a bobbin of the character described, a hollow frusto-conical body open at one end and a base removably associated with the open end of the body.

1,590,540. CONSTANT PRESSURE BOILER. JEAN EMILE OLIVON, Bordeaux, France. Filed Dec. 15, 1924, Serial No. 756,150, and in France Dec. 27, 1923. 3 Claims. (Cl. 122—488.)



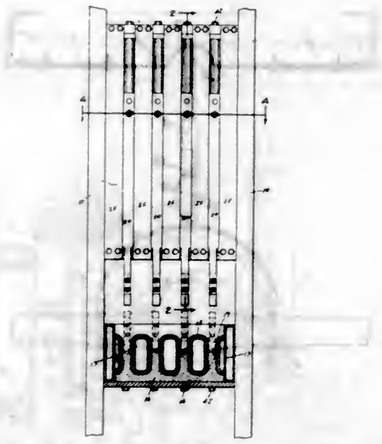
1. An automatic steam generator comprising a plurality of heating elements adapted for the catalytic combustion of gaseous air and fuel mixture under pressure, a steam boiler in which said heating elements are housed, an air tank, a petrol tank, a pipe connecting the two tanks so as to equalize the pressure, induction pipes connecting the tanks with the heating elements, valves arranged in said induction pipes inside the boiler for controlling the supply of air and fuel to the heating elements, a pressure controlled device arranged inside the boiler for operating said valves, means controlled by the pressure in the tanks for maintaining said latter pressure substantially constant, float-operated means for controlling the water supply to the boiler, a valve controlling the exhaust from said heating elements, and means controlled by the pressure in the tanks for operating said valve so as to maintain substantially equal pressure in the conduits at both sides of the heating elements.

1,590,541. AUTOMATIC CONTACT DEVICE FOR USE IN POCKET LAMPS. FRANS ROBERT PÄIVÖ, Raisio, Finland. Filed Aug. 15, 1923, Serial No. 657,626, and in Finland Mar. 28, 1923. 1 Claim. (Cl. 240—10.5.)



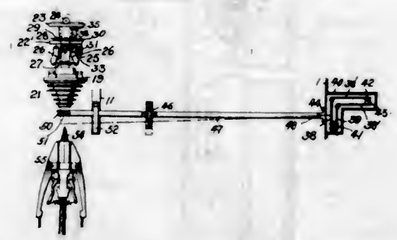
A contact device for pocket lamps, comprising, a casing, an electric circuit therein, and a switch in the circuit, the switch being weighed, whereby to freely move under the sole influence of its own weight, when held in proper positions, for opening and closing the circuit, said switch being supplied with an operating button exterior of the casing, for manual operation when desired, said switch moving inwardly of, and outwardly from, the casing, for breaking and making the circuit respectively, and means coacting with the switch for locking the switch against automatic movement upon positive operation of the switch by the button to its innermost position in the casing.

1,590,542. TAMPING MECHANISM FOR CONCRETE-BLOCK MACHINES. LAYTON M. PARKHURST, Indianapolis, Ind. Filed Oct. 24, 1924. Serial No. 745,709. 14 Claims. (Cl. 25—41.)



2. Tamping mechanism including two cylinders for fluid under pressure, one for actuating the tamper and one for lifting the same, a single piston rod construction for the two cylinders, a piston on each end of said rod in the two cylinders respectively, a tamper, tamper bars extending from said tamper along opposite sides of said cylinders, and means for connecting said bars to the piston rod construction about midway between the pistons.

1,590,543. FEED-CONTROL MEANS FOR ARC LIGHTS. MARTIN L. PATTERSON, Bogota, N. J., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed June 21, 1921. Serial No. 479,201. 14 Claims. (Cl. 176—51.)

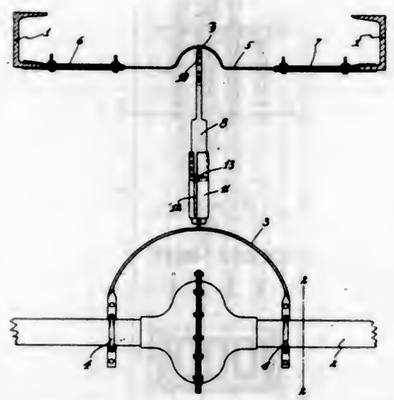


3. In an arc light, an electrode holder, means for feeding an electrode through said holder, means responsive to the radiant energy received from the arc for controlling said feeding means, a support upon which said holder is mounted for movement with respect to said second-mentioned means, means for focusing a beam from the arc on said second named means, a pivotal mounting for said last named means, and means connecting said mounting with said holder.

1,590,544. WEIGHT GAUGE. GEORGE H. PETERSEN, Visalia, Calif. Filed Sept. 19, 1923. Serial No. 663,589. 1 Claim. (Cl. 265—40.)

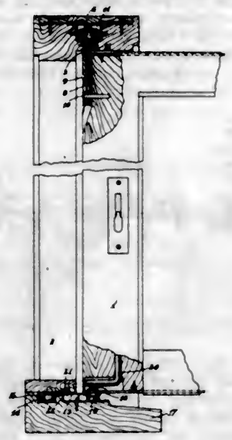
A vehicle attachment comprising an arcuate element secured to the rear axle housing of the vehicle on opposite sides of the differential housing so as to ex-

tend upwardly, a transverse element bridging longitudinal frame members of the vehicle and disposed vertically above the arcuate element and two telescoping



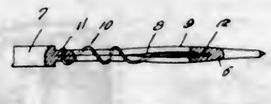
members having their free ends secured to the said two elements, one of the telescoping members having a pointer projecting through and riding in a longitudinal slot in the other element.

1,590,545. CASEMENT SASH, ERNEST AARON PETERSON, Oakland, Calif. Filed Nov. 10, 1923. Serial No. 673,926. 5 Claims. (Cl. 20—42.)



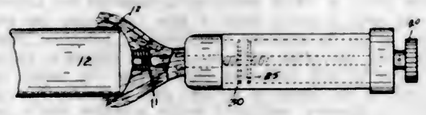
1. In a casement sash, a frame, a sash having a bore extending from the upper edge to the side thereof, a nut secured to said sash, and extending within the said bore, a roller member consisting of a roller frame, rollers carried by said roller frame, and adapted to travel within a groove within the window frame, a rod extending below said frame and secured to said nut, said rod having a slot within its lower end whereby the rod may be adjusted by means of a suitable tool inserted from the lower end of said bore.

1,590,546. SHUTTLE. FRANK PIZZINO, Altoona, Pa. Filed Sept. 29, 1925. Serial No. 59,302. 1 Claim. (Cl. 139—208.)



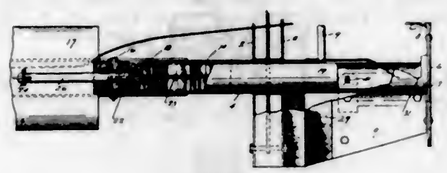
A shuttle spindle of the class described including a slit shank having a portion adjacent its tip bulged to provide a slot, and a wire coiled about the shank of the spindle and having one end piercing the shank adjacent the butt thereof and the other end extending into the slot of the bulged portion and soldered therein.

1,590,547. MAGAZINE SHAVING BRUSH. ROBERT E. PRUSSO, San Leandro, Calif. Filed July 28, 1925. Serial No. 46,562. 1 Claim. (Cl. 15—137.)



In a reservoir shaving brush, a container adapted to hold shaving soap, a brush head extending from one end thereof and a rigid tube extending from the container into the brush head, said tube being tapered and exteriorly screw threaded on the end and adapted to internally engage and cut threads into the discharge tip or rifle of a collapsible tube whereby shaving soap may be introduced through said tube to refill the container.

1,590,548. DIRECTION INDICATOR. JOHN M. QUIGLEY and CHARLES E. QUIGLEY, Sacramento, Calif. Filed June 22, 1925. Serial No. 38,871. 5 Claims. (Cl. 116—30.)

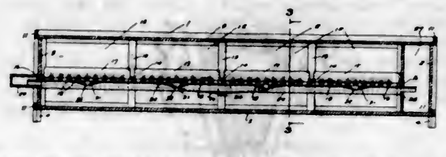


1. In a direction indicator for a motor vehicle, a sleeve, a bearing for the same, an indicating arm pivoted to one end of the sleeve, a bolt slidable in the sleeve, an operating element for the bolt and an operative connection between the bolt and the arm causing the arm to aline with the sleeve when the bolt is advanced and to swing on its pivot so as to form an angle with the sleeve when the bolt is retracted.

1,590,549. INCUBATOR. SAMUEL R. RAMSAY, Santa Cruz, Calif. Filed Nov. 19, 1924. Serial No. 750,895. 9 Claims. (Cl. 119—44.)

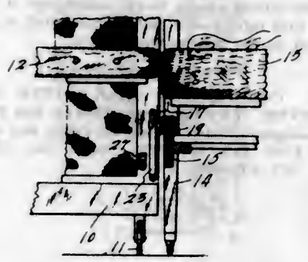
1. In an incubator, a tray frame having horizontal rolls mounted therein in parallel relation and with free-

dom of vertical motion, supporting means for the frame and rails arranged below the frame with freedom of end-



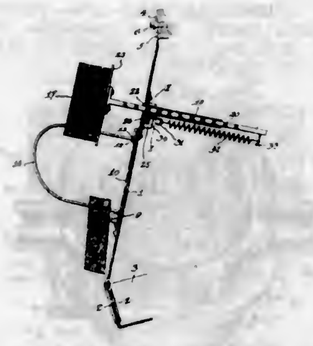
wise motion having means associated therewith for raising the rails into lifting contact with the rolls when moved endwise for turning the rolls.

1,590,550. HOOK FOR ROLLING CRIBS. FRANK S. REECE, Dallas, Tex. Filed Apr. 7, 1924. Serial No. 704,814. 7 Claims. (Cl. 5—95.)



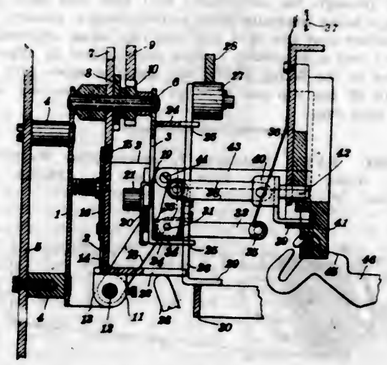
1. A device for attaching a crib to a bed comprising, a fixed support for mounting on the crib, a vertically movable carrier mounted to slide on the support, a hook mounted to rotate horizontally in the carrier, whereby said hook may be swung inwardly with relation to said carrier, and a down-turned bill carried by said hook in position engaging over the side rail of a bed.

1,590,551. COPYHOLDER FOR LINOTYPE MACHINES. HARRY D. REESE, CHARLES S. EDWARDS, and JOHN LORENZ BACH, Detroit, Mich., assignors to R. L. Polk, trading as R. L. Polk & Co., Detroit, Mich. Filed Feb. 24, 1923. Serial No. 620,895. 4 Claims. (Cl. 120—28.)



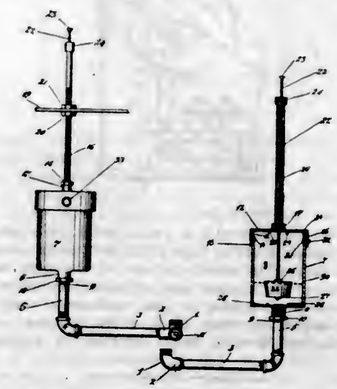
1. A copy holder comprising an inclined support, a head movable to and from the front side of said support and cooperating therewith in maintaining cards in a rearwardly inclined active position from which position the cards can be easily flipped to an inactive position, a ratchet bar carried by said head and extending rearwardly through said support for reciprocation therein to move said head, and a ratchet mechanism carried by the rear side of said support and adapted to be intermittently actuated to advance said head and cause the cards to be flipped to an inactive position.

1,590,552. FEED MECHANISM FOR TYPEWRITING MACHINES. LUDWIG REISCHL, Nuremberg, Germany. Filed Oct. 22, 1923, Serial No. 670,012, and in Germany July 30, 1923. 1 Claim. (Cl. 197—82.)



A feed mechanism for typewriting-machines, comprising in combination a frame consisting of a U-shaped piece of sheet metal, and of a top plate, a feed wheel for the carriage with its ratchet device, a feed knife or dog rocker with its feed teeth, a control bow for the dog rocker, a case shift mechanism for the platen, a feed mechanism for the inking ribbon all mounted on and guided in said frame, means for hingedly connecting said feed mechanism for the inking ribbon with said case shift mechanism for the platen so that they are simultaneously operated, and means for attaching said frame on the frame of the typewriting-machine.

1,590,553. LIQUID-LEVEL INDICATOR. RUDOLPH C. RUTZKE, St. Louis, Mo. Filed Oct. 6, 1922. Serial No. 592,726. 1 Claim. (Cl. 73—82.)



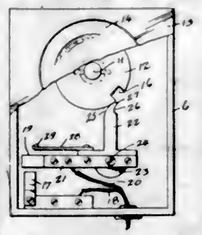
A liquid level indicator comprising an oil cup having a central opening in the bottom thereof and an external nipple extending from the bottom thereof in line with the central opening in the bottom of the cup, said nipple being internally threaded; a cap for said cup having a

central opening in its top and an internal shoulder adapted to rest on the upper edge of the cup and a flange depending below the shoulder and closely engaging the side wall of the cup; a nipple formed integral with the said cap and extending upwardly from the top of the cup in line with the central opening therein, said nipple being internally threaded; an oil-feed pipe in threaded connection with the nipple of the said cup; a tube threaded externally for the greater portion of its length and having the lower end of its threaded portion in threaded connection with the nipple of the said cap; a float in the oil cup; a stem carried by the float and extending upwardly through the said tube; said tube and said oil-feed pipe being normally fixed and stationary relative to one another and the said cup and cap being adjustable thereon; and a removable locking pin engaged in aligned openings in the flange of the cap and the upper part of the wall of the cup and serving to fasten the said cap to the said cup.

1,590,554. SAW. WILLIAM J. SEMELROTH, Westfield, Wis. Filed Dec. 19, 1924. Serial No. 756,986. 3 Claims. (Cl. 7—13.)

3. In a combination tool of the saw type, a blade, a handle pivotally secured to the inner end of the blade and provided with a plurality of work-engaging faces at each side of the blade and at an angle to each other, said blade being provided with an arcuate slot, an adjustable screw carried by the handle and arranged to extend through said slot, and an arcuate scale arranged on the blade adjacent to said slot and graduated into the degrees of a circle.

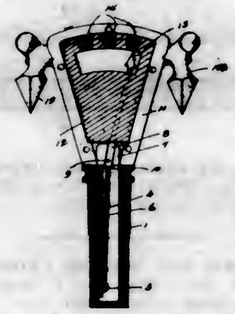
1,590,555. LOCK SWITCH. JASPER E. SMISOR, Marion, Ind. Filed Mar. 27, 1925. Serial No. 18,733. 4 Claims. (Cl. 200—45.)



1. The combination with a switch lever, of a permutation lock having a set of rotary tumblers with notches in the edges thereof in which the end of the lever may be engaged when the notches are registered therewith, said end of the lever having a cam surface at each side thereof engaged by either wall of the notches to positively swing the lever in either direction by turning the tumblers.

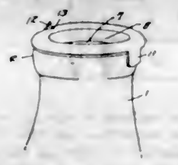
1,590,556. TEMPERATURE INDICATOR. JASPER E. SMISOR, Marion, Ind. Filed Oct. 17, 1925. Serial No. 63,015. 3 Claims. (Cl. 116—114.)

2. A temperature indicating device comprising a tube, a casing integral therewith and extending upwardly therefrom, a supporting member having two arms, one of said arms extending downwardly in said tube, a thermostatic bar supported on said member, and the other



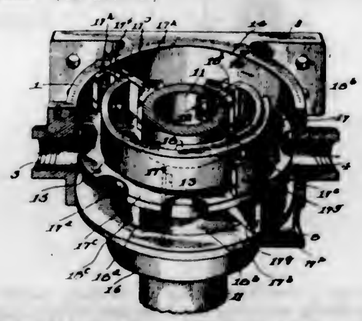
of said arms fitting snugly in the lower part of said casing above said tube, and a pointer connected to said bar and pivoted to the last mentioned arm.

1,590,557. COMBINATION MILK-BOTTLE OPENER AND COVER. RICHARD BOWLD SPIKES, San Francisco, Calif., assignor of one-half to Tom Coffis, San Francisco, Calif. Filed Feb. 24, 1925. Serial No. 11,273. 1 Claim. (Cl. 215—55.)



An opener for a milk bottle having a cover seated in the opening thereof comprising a cup-shaped operating element adapted to have its flange gripped by the forefinger of the operator while the middle finger bears on the base of the element, an ear extending from the flange curved upon itself to cause its end to return to the gripping forefinger, and a piercing element pressed out of the ear at its curve and pointing toward the extended center line of the cap so as to allow the forefinger to cooperate with the thumb resting on the neck of the bottle in pushing the piercing element into the cover.

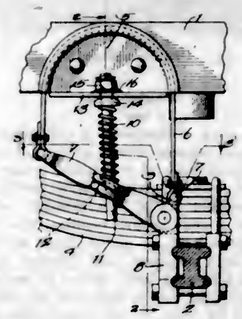
1,590,558. ADJUSTABLE TIME AND PHASE DISTRIBUTING VALVE. DAVID STENHOUSE, Washington, Pa. Filed May 7, 1925. Serial No. 28,750. 47 Claims. (Cl. 277—1.)



1. In a distributing-valve for fluid pressure, a casing having a plurality of ports therein, and means associated with said casing for varying relatively the time during which said ports are open to said fluid pressure.

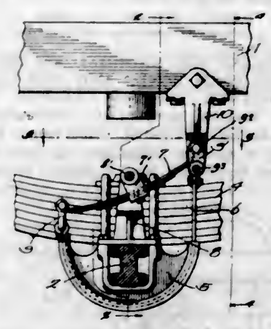
47. A valve mechanism including a casing having ports leading to opposite ends of a cylinder and an exhaust port, a rotatably mounted pipe extending through said casing, said pipe having a lateral opening and a groove in its outer wall, a plurality of adjustably mounted partitions in said casing and forming two pressure compartments and an exhaust compartment, a pair of concentrically arranged annular plates one of which is connected to each partition, and means for securing said plates in adjusted position.

1,590,559. SHOCK ABSORBER. THERON H. WILLIAMS, Chicago, Ill. Filed Apr. 11, 1923, Serial No. 631,338. Renewed Apr. 5, 1926. 14 Claims. (Cl. 267—10.)



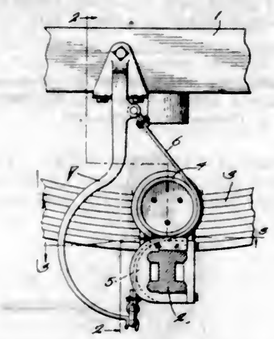
1. The combination with a vehicle body; of a vehicle running gear carrying said vehicle body; and a shock absorber comprising a friction body upon one of said vehicle elements, a looped band whose bight receives and frictionally engages said friction body, an arm mounted to turn upon one of said vehicle elements and connected with one end of said band whose other end is connected with the vehicle element upon which the arm is mounted, and arm actuating means between the vehicle elements and between said arm and one of said vehicle elements.

1,590,560. SHOCK ABSORBER. THERON H. WILLIAMS, Chicago, Ill. Filed Apr. 11, 1923, Serial No. 631,339. Renewed Dec. 2, 1925. 10 Claims. (Cl. 267—10.)



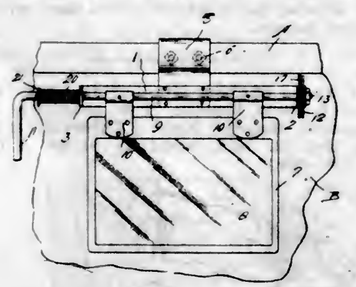
1. The combination with a vehicle body; of a vehicle running gear carrying said vehicle body; a shock absorber comprising a friction body upon one vehicle element, a band frictionally engaging said friction body; and an arm mounted to move upon the vehicle element carrying said friction body and having its ends assembled with the ends of the band.

1,590,561. SHOCK ABSORBER. THERON H. WILLIAMS, Chicago, Ill. Filed Apr. 11, 1923, Serial No. 631,340. Renewed Dec. 2, 1925. 1 Claim. (Cl. 188—129.)



The combination with a vehicle body; of a vehicle running gear carrying said vehicle body; and a shock absorber including a friction body carried by one of the vehicle elements, an arm carried by the other vehicle element, and a flexible strip in frictional engagement with said friction body and connected at its end with the ends of said arm, the arm and the vehicle element carrying it cooperating to pull upon said strip as the vehicle body moves toward and from the running gear, said arm constituting means through which pulling action is exerted upon the strip as the vehicle elements approach, a portion of the unmounted end of the arm that is connected with the strip being of spring formation.

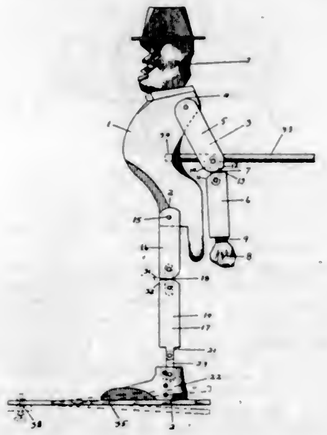
1,590,562. GLARESHIELD ATTACHMENT FOR AUTOMOBILE WINDSHIELDS. CHRISTOPHER BLONIGEN, Melrose, Minn. Filed Oct. 31, 1924. Serial No. 747,057. 1 Claim. (Cl. 296—97.)



A device of the class described comprising a flat bar, the ends thereof being disposed laterally, an attaching bracket associated with the intermediate portion of the bar, for supporting the device on the windshield frame of an automobile, a shaft extending through the laterally extending ends of the bars and adapted for slidable and rotatable movement therein, a handle formed on one end of the shaft, a glare screen secured to the shaft between the laterally extending ends of the bar, a circular plate secured on the opposite end of the shaft adjacent the outer face of the adjacent laterally extending end of the flat bar, said plate having an annular series of detents formed in the inner face thereof, a complementary plate secured on the outer side of said laterally extending end of the bar, an annular series of protuberances formed on the outer face of the last mentioned plate, and adapted for locking engagement with said detents, whereby the shaft and the glare screens are held in predetermined positions, and a coil spring encircling the shaft adjacent the handle formed on one

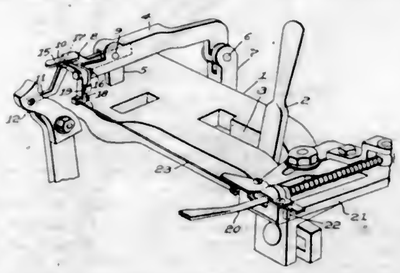
end thereof, one end of the coil spring engaging the other laterally extending end of the flat bar, and a washer on said shaft in cooperation with the opposite end of the coil spring, said coil spring normally holding the protuberances in locked engagement with the detents.

1,590,563. DANCING FIGURE TOY. EDWARD EARLE CUILDS, Oakland, Calif. Filed Feb. 14, 1925. Serial No. 9,136. 2 Claims. (Cl. 46—40.)



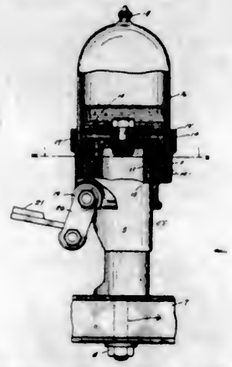
1. A dancing toy comprising a manikin having a trunk portion, an upper leg pivoted to the trunk portion, a lower leg connected to the upper leg by a link and pins, a foot connected to the lower leg by a link and pins, said foot being provided with an enlarged socket adapted to allow the foot to rotate in a vertical plane and to wobble sidewise, and a jointed arm member pivoted to said trunk member.

1,590,564. FEELER MECHANISM FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 11, 1926. Serial No. 94,026. 4 Claims. (Cl. 139—269.)



1. In a filling replenishing loom having a feeler for determining the condition of the filling in a shuttle, an actuator mounted for movement frontwardly of the loom to effect replenishment of filling and having a laterally extending bracket, a bunter pivotally mounted upon the actuator, an operating member adapted to engage the bunter to shift the actuator, a bell crank lever directly mounted upon said actuator carried bracket to position the bunter, and means under the control of the feeler for rocking the bell crank lever to move the bunter into position to be engaged by the operating member.

1,590,565. SHOCK ABSORBER. FRANK A. DOWLER, Alameda, Calif. Filed Apr. 28, 1924. Serial No. 709,547. 1 Claim. (Cl. 267—65.)

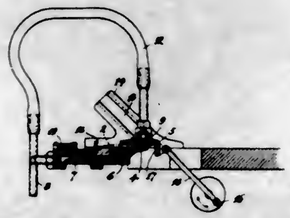


A shock absorber comprising a cylindrical member having an integral reduced shank at its lower end adapted to be fixed to an axle of a vehicle, a cup telescoping the member and provided with a well cavity defined by spaced apart parallel walls, the member being formed at one side with a vent groove leading from the well to the external atmosphere, a piston head secured to the upper end of said member and having a depending flange extending into said well, means to permit a spring to be attached to said cup, a combined oil and air chamber threaded at its base to the upper end of the cup, and a cupped gasket secured to the head and to the upper end of said member.

1,590,566. METHOD OF AND MEANS FOR PREPARING TYPE FORMS. CHARLES W. EBERHARD, Palatine, Ill., assignor to Rapid Electrotype Company, a Corporation of Ohio. Filed Nov. 28, 1924. Serial No. 752,815. 2 Claims. (Cl. 41—25.5.)

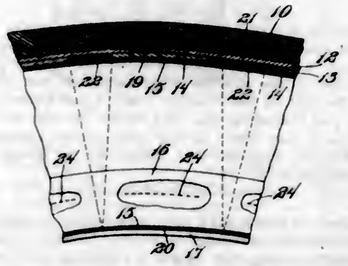
1. A type aligning member adapted for use in the bottom of a chase to force the type into alinement on their face side, said member consisting of a sheet of malleable metal formed with a roughened face adapted to permit sufficient yielding to accommodate the irregularities in the back face of the type form when pressure is applied thereto.

1,590,567. MEANS FOR BRINGING FOLDED OUTER BOXES FOR PUSH BOXES AND THE LIKE INTO OPEN POSITION. GUNNAR CHRISTIAN EKSTRÖM, Stockholm, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Corporation of Sweden. Filed Nov. 3, 1923, Serial No. 672,657, and in Sweden Nov. 4, 1922. 1 Claim. (Cl. 93—36.)



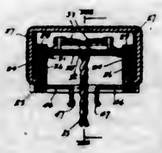
In a device for bringing folded outer boxes for push boxes into open position the combination of a stationary sucking member supporting the box, an abutment for one of the outer folds of the box provided on the said member at right angles to the same, a second sucking member movable upwards and inwards above the stationary sucking member, and an abutment for the opposite outer fold of the box provided on the second sucking member and extending downwards at right angles to the same, the said abutments being adapted to hold the opened box in a square condition for the introducing of the inner box.

1,590,568. AUTOMOBILE TIRE LINER. MIKE P. FINNEGAN, Newton, Miss. Filed Feb. 21, 1925. Serial No. 10,901. 1 Claim. (Cl. 152—18.)



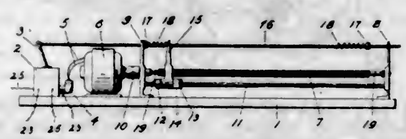
A liner for vehicle tires including a layer composed of transversely extending sections each having one side edge thereof tapered to a feather edge and the opposite side edge thereof split and formed to provide arms adapted to receive therebetween the feather edge of a second section.

1,590,569. ELECTRIC DISTRIBUTING SYSTEM. WILLIAM JAMES FISK, San Francisco, Calif. Filed Jan. 17, 1922. Serial No. 529,833. 5 Claims. (Cl. 247—3.)



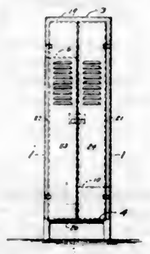
5. An electrical distributing system comprising a moulding open at the bottom and formed to present confronting ledges on opposite sides of the opening, a cover plate for the opening, insulating bars arranged upon the ledges, conducting rails supported by the insulating bars, and means for securing either the insulating bars alone or the insulating bars and cover plates to the ledges.

1,590,570. DOOR OPENER. ROY N. FLACK and LEWIS D. STURM, Portland, Oreg. Filed Oct. 28, 1924. Serial No. 746,311. 3 Claims. (Cl. 268—63.)



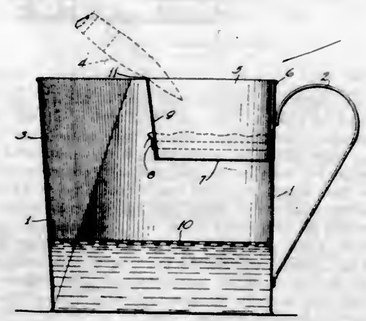
1. A door opener comprising a base board, cut-out switches mounted at one end of the base board, two hangers disposed in spaced relation at the other end of the base board, a lead screw rotatably mounted in the hangers, a motor between the end of the lead screw and the cut-out switches, said motor being firmly connected with the lead screw, guide rods rigidly mounted between the hangers parallel to the lead screw, a cross head slidably mounted on the guide rods, arms extending from the cross head laterally of the lead screw, said cross head being reciprocated by the lead screw, a tongue projecting from the cross head to the same height as the hangers, a trip rod operatively associated with the cross head and slidably traversing the extreme ends of the tongue and hangers, said trip rod extending past the motor and connecting with the cut-out switches.

1,590,571. METAL CABINET. EDWARD FOOSE, Washington, D. C. Filed May 15, 1923, Serial No. 639,190. Renewed Mar. 4, 1926. 6 Claims. (Cl. 45—37.)



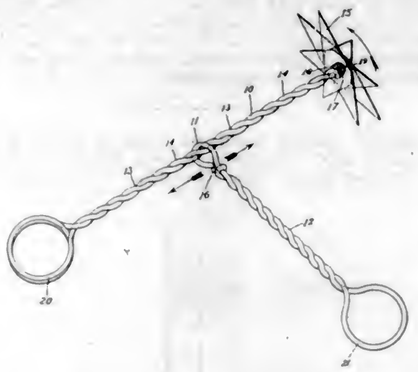
1. A double locker unit comprising back, side and top and bottom walls, doors each covering one lateral half of the front of said unit, a partition between the lateral halves of said unit consisting of a vertical web extending from front to back of the unit and terminating in spaced relation to the top and bottom walls of the unit, and a compartment in each unit closed at its front and opening into the other unit, the bottom of one compartment extending from the top of the partition, and the top of the other compartment extending from the bottom of the partition.

1,590,572. STRAINER CUP FOR VARNISH AND THE LIKE. ALPHONSE FREDETTE, Chicago, Ill. Filed Aug. 15, 1925. Serial No. 50,521. 1 Claim. (Cl. 91—66.)



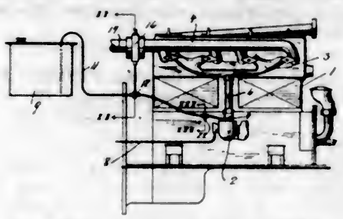
A device of the character described comprising a cup having a flared wall portion, a handle for said cup, a semi-circular tubular member removably mounted within said cup at the upper end thereof, said tubular member having a substantially flat tapering side wall adjacent to the flared portion of the cup, there being sufficient space between said side wall of said tubular member and the flared portion of the cup to permit the introduction of a brush thereto, a strainer cloth disposed across the lower end of said tubular member, and means for removably securing said strainer cloth to said tubular member, said means comprising a semi-circular bail.

1,590,573. TOY. RAY F. FRYE and FRANK H. CHATTERTON, Cleveland, Ohio. Filed Mar. 20, 1923. Serial No. 626,295. 6 Claims. (Cl. 46—14.)



1. A toy comprising an elongated member having a series of spiral grooves over the major portion of its surface, the remainder of its length being axially straight to provide a pivot thereon, a rotatably mounted member on said pivot, and means for vibrating said elongated member including a loop loosely engaging the latter and adapted to be reciprocated thereover.

1,590,574. INTERNAL-COMBUSTION ENGINE. WILLIAM GOODFELLOW, Oakland, Calif. Filed Apr. 13, 1922. Serial No. 552,374. 2 Claims. (Cl. 123—127.)

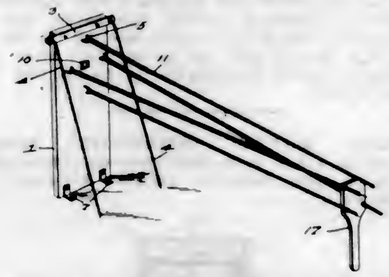


1. An internal combustion motor having an intake pipe and an exhaust pipe provided with a lateral opening, an auxiliary fuel supply tank, a tube connecting the fuel supply tank with the intake pipe, a turnable valve within the tube for controlling the flow of fuel from the auxiliary fuel supply tank to the intake pipe, a valve stem extending outwardly from the valve, tensionable means connected to the valve stem for yieldingly holding the valve in closed position, and a vane extending laterally from the valve through the opening of the exhaust pipe and into the path of movement of the exhaust gases and operable thereby to open the valve against the action of the tensionable means.

1,590,575. COMBINATION BEVEL AND LEVEL. ERHARD E. GRANSTROM, Astoria, Oreg. Filed May 7, 1925. Serial No. 28,716. 1 Claim. (Cl. 33—88.)

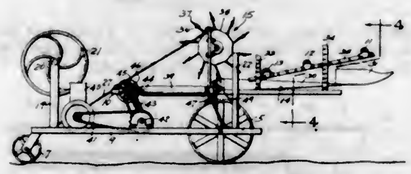
In a device of the type described, a straight edge having means for designating when the straight edges thereof are vertically or horizontally disposed, a gauge bar pivoted to the straight edge at one end thereof and shiftable to vary the angle thereof to said straight edge, means for shifting the gauge bar and maintaining the same in adjusted positions, said straight edge at that side thereof opposed by the gauge bar having a channel, bearings within and at the end of the channel, a threaded shaft mounted in the bearings, one end of the shaft being projected through a bore formed in the body of the straight edge and connecting one end of the straight edge and the adjacent end of the channel, the projecting end of the shaft being provided with a wrench receiving shank, a sleeve threaded upon said shaft and a link pivoted at one end to the sleeve and at its opposite end to said gauge bar, one side wall of the straight edge having a longitudinally extending slot paralleling the shaft and opening into the channel, a face plate for said side of the straight edge having a slot coinciding with the slot of the straight edge, a lug formed on said sleeve and extending into and fitting the slot of the face plate, said face plate having graduations coacting with said lug to designate the angle of the gauge bar of the straight edge.

1,590,576. ROPE-MAKING MACHINE. GILBERT S. GUNDERSON, Clarensholm, Alberta, Canada. Filed June 2, 1925. Serial No. 34,390. 4 Claims. (Cl. 117—7.)



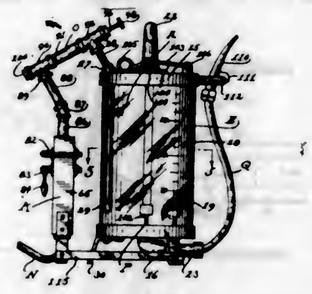
1. A rope making machine comprising a support, a plurality of hooks rotatably mounted upon said support and adapted for reception of the looped ends of the strands, a rotary plate disposed in spaced parallelism with one side of the support, cranks connecting said rotary plate with the shanks of said hooks, and a crank interposed between and connected with said plate and support.

1,590,577. CORN HEADER. WILLIAM FRANCIS HAMILTON, Ventura, Calif. Filed Dec. 28, 1921. Serial No. 525,321. 3 Claims. (Cl. 56—58.)



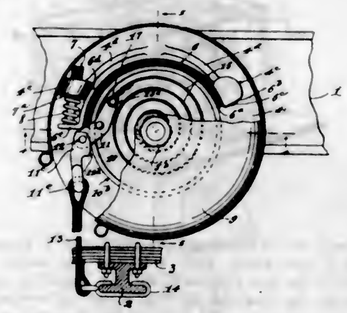
1. In a header for plants, the combination of a cutter, a substantially horizontal supporting comb having relatively long teeth extending forwardly thereof for supporting folded heads and guiding the plants toward the cutter with the heads above the latter, folding means to bend the heads onto said comb extending the width of said cutter and above the level thereof, and a straightening feeder with impellers extending from said feeder for sweeping the plants being reaped toward said cutter with their heads in an upright position.

1,590,578. OIL DISPENSER. COLUMBUS WHITEMAN HARRIS and JOHN MILTON REYNOLDS, South Bend, Tex. Filed July 17, 1922. Serial No. 575,600. 3 Claims. (Cl. 221—67.)



2. In a liquid dispensing apparatus, a portable dispensing vessel having a visible gage and provided with an outlet and an inlet, an inlet valve communicating with the inlet, a manifold carried by the vessel and having an outlet communicating with said inlet valve and passages leading from its outlet through the manifold, valves for controlling the passage of liquid through said passages, and means carried by said manifold in operative relation to the passages for connection with flexible conduits leading from separate sources of liquid supply.

1,590,579. VEHICLE SPRING CONTROLLER. JOSEPH B. HARRIS, Cleveland, Ohio, assignor to The Harris Spring Brake Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 8, 1925. Serial No. 54,863. 8 Claims. (Cl. 267—10.)

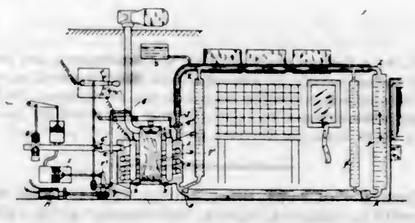


1. In a device of the character described, in combination with a circumferentially split brake drum, and a drum actuating clutch extending through and guided by the split portion of said brake drum, and a rocker clutch element intermittently engaging with the exterior of said drum and cooperating with said first mentioned clutch and intermittently engaging and releasing said brake drum.

1,590,580. PIPE JOINT. WALTER REGINALD HUME, Melbourne, Victoria, Australia, assignor to Hume Pipe Company (Australia) Limited, Melbourne, Australia. Filed Apr. 16, 1923. Serial No. 632,468, and in Australia Apr. 20, 1922. 1 Claim. (Cl. 285—109.)

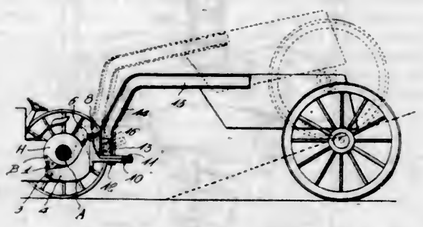
A pipe joint comprising an annular collar surrounding adjacent pipe ends to form an annular chamber, said collar having an orifice therein; a sealing ring within said chamber, said ring engaging both pipes and comprising two opposed U-shaped portions, each portion having a free edge engaging a pipe end; a plastic jointing material pressed in said ring through said orifice in order to force said free edges tightly against the outside of the pipes; a plug for closing said orifice after introduction of said plastic material; and further sealing means at the ends of the pipes to prevent the fluid pressure in the pipes from acting on the plastic material.

1,590,581. HEATING APPARATUS. RENÉ AUGUSTE IBLE, Bordeaux, France. Filed May 15, 1923. Serial No. 639,155, and in Belgium May 20, 1922. 4 Claims. (Cl. 237—2.)



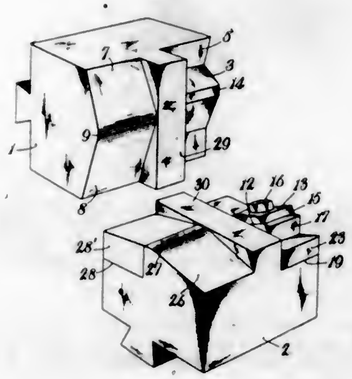
2. In a heating device, a water reservoir, a water circuit connected thereto for the circulation of heated water therefrom, a stove for heating the water in said reservoir, a steam coil for heating the water in said reservoir, and an electrically operated heater for heating the water in said reservoir, a door for admitting air to the stove, and means for automatically closing said door during the operation of either of said other sources of heat.

1,590,582. TRACTOR HITCH. NELS O. JOHNSON and EDGAR C. ANDERSON, Kenyon, Minn. Filed Aug. 6, 1925. Serial No. 48,588. 3 Claims. (Cl. 280—33.1.)



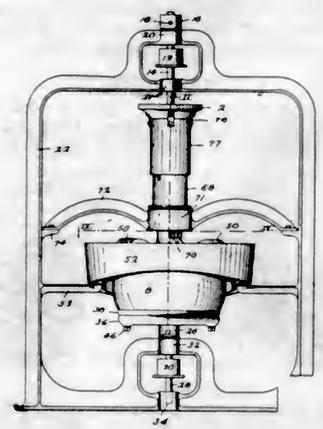
1. In a means for connecting a load with a leading vehicle; a vertical plate having a pair of forwardly projecting arms, means for pivoting said arms to the leading vehicle on a horizontal transverse axis, a second plate contacting with the rear side of the first named plate and pivoted thereto on a horizontal longitudinal axis, a third plate projecting rearwardly from the second plate and rigidly joined thereto, and a fourth plate pivotally connected on a vertical axis with said third plate, said fourth plate being adapted for connection with the load.

1,590,583. FORGING MECHANISM. FRANK M. LEE, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 28, 1923. Serial No. 621,806. 25 Claims. (Cl. 76—95.)



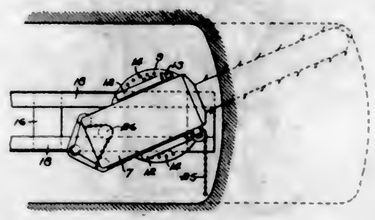
1. In a forging machine, relatively stationary and moving blocks having at opposite sides thereof swaging surfaces and edge forming means being so disposed that a steel worked upon by the swaging and forming means will lie in separate vertical planes.

1,590,584. CENTRIFUGAL GOLD-EXTRACTING MACHINE. JOHN E. LOGAN, Washington, D. C. Filed Feb. 7, 1925. Serial No. 7,550. 17 Claims. (Cl. 233—46.)



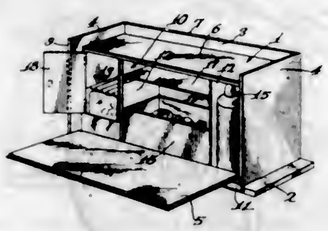
1. A machine of the character described consisting of a centrifugal receptacle, and a centrifugal conveyer extending over the top of the receptacle and having its forward end arranged interiorly and its rear end exteriorly of said receptacle.

1,590,585. MINING MACHINE. JACOB M. LONDON, Brookville, Pa., assignor to Sullivan Machinery Company, Claremont, N. H., a Corporation of Massachusetts. Filed Oct. 30, 1915, Serial No. 58,899. Renewed Sept. 22, 1924. 18 Claims. (Cl. 262—28.)



1. Mining apparatus comprising in combination a relatively long, low, solid, normally stationary, guiding means adapted to rest directly upon a mine bottom, a flat, relatively thin turntable base, resting directly on said guiding means, adapted to move in guided relation thereto, and to directly receive on its flat top a complete, independently operative, mining machine as a unit, for rotary movement thereon, whereby the cutter bar of the mining machine is brought substantially to the surface of the bottom of the mine.

1,590,586. CAMP KIT. EDWARD J. MCDONALD, Los Angeles, Calif. Filed Aug. 7, 1925. Serial No. 48,724. 1 Claim. (Cl. 190—12.)

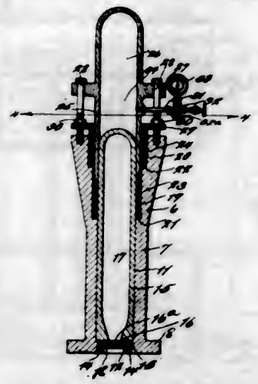


A camp kit comprising in combination a storage box having a base board, rear, side and top walls, a door hinged to the box adjacent the base board to close upwardly on the front of the box, a pair of vertical partitions at each end of the box forming compartments, one of said compartments having a door adapted to form an ice box, a drainage pipe from said compartment through the base board, a removable shelf between the partitions, a removable tray below the removable shelf between the partitions, and a lip extending upwardly from the base board and spaced from the door, the base board between the door and the lip being adapted to support a load placed in front of the box, the said lip being positioned to engage the door and support same when opened in a horizontal position.

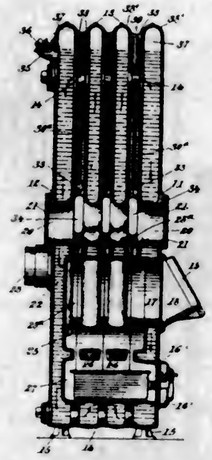
1,590,587. PNEUMATIC ALLEVIATOR FOR HYDRAULIC PUMPS. FRANK MCFARLAND, Mexico, Mo. Filed Aug. 1, 1924. Serial No. 729,555. 8 Claims. (Cl. 137—71.)

1. An alleviator for hydraulic pumps comprising a cylinder including a chamber therein, a plunger mounted in said chamber, a second cylinder entering the first cylinder and having a packing between the two, the second

cylinder having a chamber for air pressure therein, and lubricant admission means attached to said second cylinder, the plunger acting to compress the air on the discharge stroke of the pump, whereby the plunger acts to maintain a uniform discharge of the liquid from the discharge side of the pump.



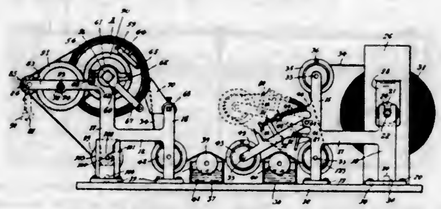
1,590,588. HEATING APPARATUS. ANDRÉ M. MERTZANOFF, New York, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 5, 1921. Serial No. 450,040. 19 Claims. (Cl. 237—18.)



5. An apparatus of the character specified formed as a unitary structure comprising a plurality of hollow, connected sections confining a circulating heating fluid and arranged vertically one behind the other; the lower portions of said sections forming a fuel receptacle and combustion chamber and an ash pit, and the upper portions thereof forming a series of separated air heating members, substantially as specified.

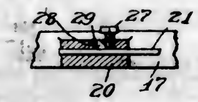
19. An apparatus of the character specified formed as a unitary structure comprising hollow front and back sections and intermediate sections confining a circulating heating fluid; the lower portions of said sections including a grate, and forming a fuel receptacle and combustion chamber, and the upper portions thereof forming a series of relatively shallow, flat vertical air heating members arranged in spaced relation to each other to permit of the passage of air therebetween, a filling nozzle on one of said connected sections adjacent to the upper end thereof; the upper end of each of said air heating members above the plane of said nozzle forming an expansion chamber, an air chamber extending longitudinally through the apparatus and separating the upper from the lower portions of said sections and communicating with said air passages; said end sections having air inlet means therein communicating with said air chamber for admitting thereto the air to be heated, substantially as specified.

1,590,589. MACHINE FOR MAKING ELECTRICAL COILS. WILLIAM L. MILLER, St. Paul, Minn. Filed Nov. 7, 1923. Serial No. 673,273. 9 Claims. (Cl. 242—1.)



1. A process of constructing electrical coils consisting of winding a coil upon a collapsible drum, of applying adhesive to a continuous strip of tube stock, of wrapping said tube stock with the adhesive side in contact with said coil about said coil and drum until the desired thickness of tube stock is secured and of collapsing said drum and removing the same from said coil.

1,590,590. COMBINED WATER SYSTEM SERVICE PROTECTOR AND ELECTRICAL GROUND. FREDERICK W. SEYMOUR and DANIEL A. GILLEN, Flushing, N. Y. Filed Dec. 11, 1923. Serial No. 680,055. 1 Claim. (Cl. 173—324.)



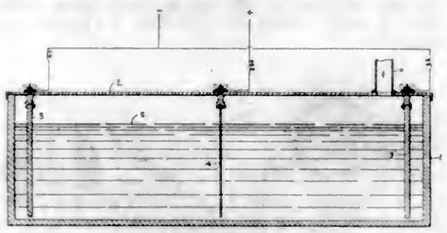
In a combined system as set forth, the combination with a water service pipe, a member coupled therein, and a dome extending upward from the pipe and constituting an air cushion for the water circulating system, of means including a lug integral with the dome for attaching with a substantially integral connection an electric ground wire to the top of the dome, and rigid mechanical guard means and electrical conductor connected to the top of the dome and extending thence around said coupled member.

1,590,591. TOKEN HOLDER. JOSEPH J. STEFFES, Minneapolis, Minn. Filed Mar. 9, 1925. Serial No. 14,015. 2 Claims. (Cl. 133—11.)

1. A holding device for flat tokens having a hole for the holding device, said device consisting of a bar having swingably inserted in one end a spring arm extending beyond the end of the bar to act as a press-button, said arm

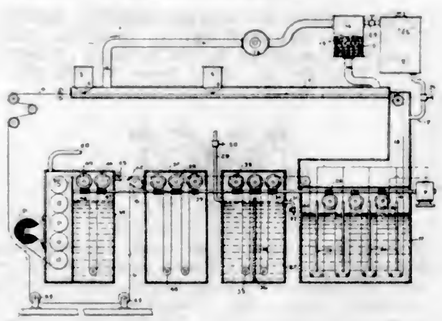
having on its outward side a tooth some distance in from the end of the bar for retaining the tokens on the bar, said tooth or catch projecting normally outward beyond the face of the bar except when pressed by the press-button.

1,590,592. CONVERSION OF CELLULAR OR FIBROUS MATERIAL. EDWIN TAYLOR and EDWARD F. CHANDLER, Brooklyn, N. Y., assignors, by mesne assignments, to Taylor Laboratories Inc., New York, N. Y., a Corporation of New York. Filed July 29, 1919. Serial No. 314,102. 23 Claims. (Cl. 204—1.)



1. The method of converting an organic substance from a cellular state to a more dense material which consists in dissolving said substance in a suitable solvent and removing said substance from said solvent electrolytically.

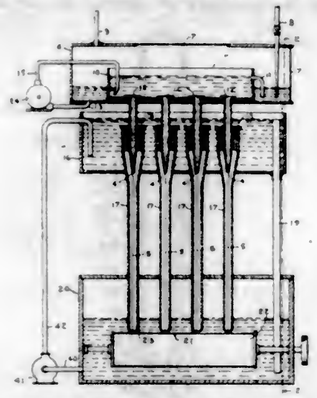
1,590,593. CONVERSION OF CELLULAR OR FIBROUS MATERIAL. EDWIN TAYLOR and EDWARD F. CHANDLER, Brooklyn, N. Y., assignors, by mesne assignments, to Taylor Laboratories Inc., New York, N. Y., a Corporation of New York. Filed Dec. 2, 1919. Serial No. 341,953. 28 Claims. (Cl. 204—1.)



1. A method of dissolving organic material while in a cellular or fibrous condition or which has been in such condition, in a solvent containing a plurality of combined chemical elements, at least one of said elements being a metal, and at least one being volatile, passing the resultant colloidal solution through an electrolytic field or fields thereby causing the metallic constituent to be electrolytically extracted and deposited upon one electrode, the volatile constituent to be released from solution, and the organic material to be deposited on the other electrode in a homogeneous condition without change in its original chemical constitution.

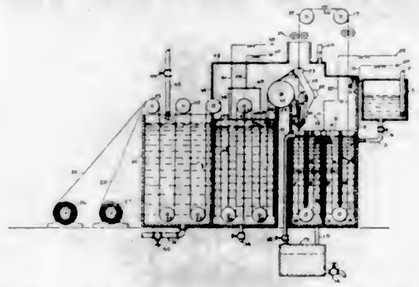
1,590,594. TREATMENT OF FIBROUS OR CELLULAR ORGANIC MATERIAL. EDWIN TAYLOR, Brooklyn, N. Y., assignor, by mesne assignments, to Taylor Laboratories Inc., New York, N. Y., a Corporation of New York. Filed Mar. 11, 1920. Serial No. 364,980. Renewed June 17, 1924. 28 Claims. (Cl. 204—1.)

1. A process of treating fibrous or cellular organic material which consists in forming a colloidal solution of organic material of definite proportions, supporting said solution in a medium adapted to preserve these dimensions, removing the solvent constituents by means of an electrical current passed through said formed colloid



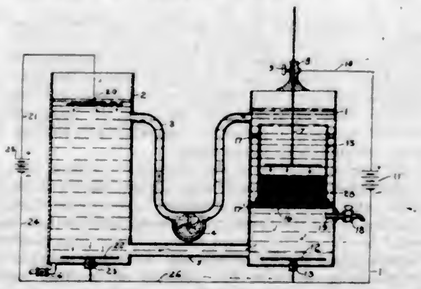
thereby converting the colloidal solution to a homogeneous solid of the same contour, and recovering the solvent constituents.

1,590,595. MANUFACTURE OF CELLULOSE. THOMAS A. HILL, Brooklyn, N. Y., assignor to Taylor Laboratories Inc., New York, N. Y., a Corporation of New York. Filed May 26, 1920. Serial No. 384,383. Renewed June 17, 1924. 9 Claims. (Cl. 204—1.)



1. The method of producing a cellulose film consisting in passing an anode carrying the film through an electrolytic cellulose solution containing a cathode.

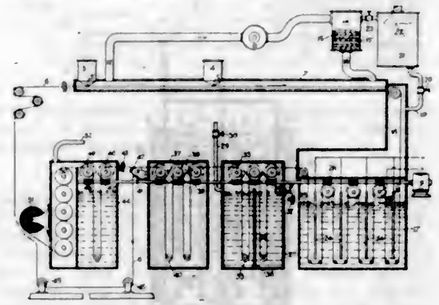
1,590,596. PRODUCTION OF COLLOIDAL MATERIAL. EDWIN TAYLOR and EDWARD F. CHANDLER, Brooklyn, and THOMAS A. HILL, New York, N. Y., assignors to Taylor Laboratories Inc., New York, N. Y., a Corporation of New York. Filed Oct. 8, 1920. Serial No. 415,468. 20 Claims. (Cl. 204—1.)



4. The method of removing the copper from a cuproammonium solution of cellulose, which consists in flowing the solution over an area so as to expose a relatively

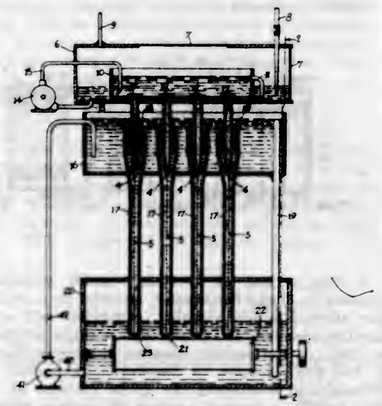
wide surface, evaporating from said surface sufficient of the volatile constituents of the solution to render the mass highly viscous, placing said mass between the electrodes of an electrolytic cell for the deposition of the copper, and then drying the mass.

1,590,597. PHOTOGRAPHIC FILM AND METHOD OF MAKING THE SAME. EDWIN TAYLOR and EDWARD F. CHANDLER, Brooklyn, N. Y., assignors to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,518. 11 Claims. (Cl. 204—1.)



1. A sensitive transparent cellulosic film for photographic purposes, essentially characterized by the fact that the entire film is impregnated with a sensitive salt of silver.

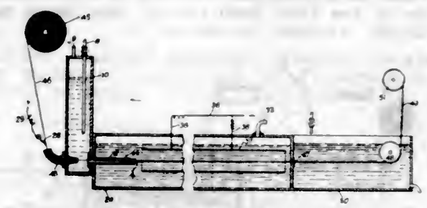
1,590,598. MAKING SMOKELESS POWDER AND THE LIKE. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Original application filed Mar. 11, 1920, Serial No. 364,980. Divided and this application filed June 17, 1924. Serial No. 720,519. 14 Claims. (Cl. 204—1.)



1. The method of making smokeless powder which consists in forming a solution of cellulosic material, removing solvent constituents therefrom by electrolysis and nitrating the resulting cellulose.

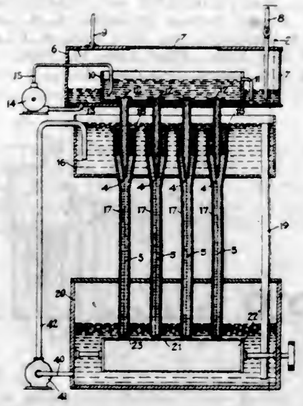
1,590,599. METHOD OF MAKING INSULATED ELECTRICAL CONDUCTORS AND THE LIKE. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,520. 12 Claims. (Cl. 204—1.)

1. The method of coating bodies with a layer of organic material, which consists in making a solution of the organic material, applying a layer of the solution to the body to be coated, and passing the body through an



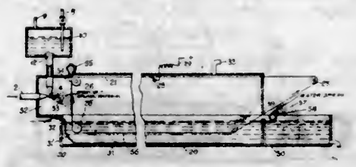
electrolyte in an electrolytic cell to remove solvent constituents from the coating electrolytically.

1,590,600. TREATING SILK AND CELLULOSE MATERIAL. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,521. 14 Claims. (Cl. 204—1.)



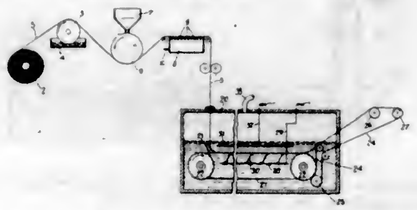
1. The method of separating silk and cotton elements from silk and cotton mixtures, which consists in treating the mixture with a solvent of one of said elements to dissolve the same, said solvent not being a solvent of the other of said elements, separating the dissolved element from the undissolved element, and removing the solvent constituents from the dissolved element by electrolysis.

1,590,601. TREATMENT OF ORGANIC MATERIAL. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Original application filed Mar. 11, 1920, Serial No. 364,980. Divided and this application filed June 17, 1924. Serial No. 720,522. 8 Claims. (Cl. 204—1.)



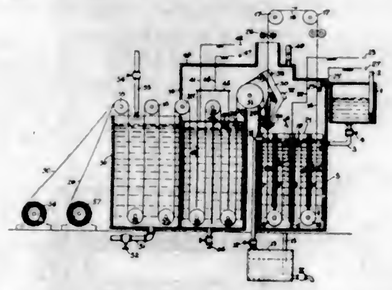
1. The method of treating organic material which consists in treating the same with a solvent to put the material in solution, spraying the solution to finely divide it, and removing solvent constituents therefrom electrolytically.

1,590,602. METHOD OF TREATING ORGANIC MATERIAL. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,523. 8 Claims. (Cl. 204—1.)



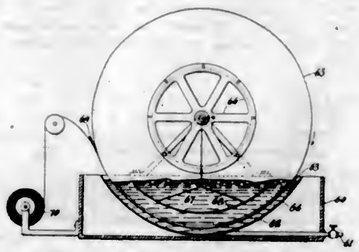
1. The process which consists in treating one face of a sheet of organic material with a solvent thereof to a depth less than the thickness of the material and removing solvent constituents therefrom by electrolysis.

1,590,603. MANUFACTURE OF CELLULOSE PRODUCTS. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 720,524. 20 Claims. (Cl. 204—1.)



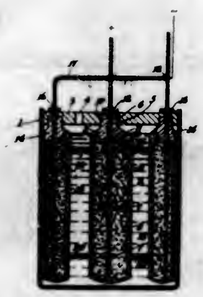
1. The method which consists in passing an electrode carrier through an electrolytic cell and causing a solution of organic material to travel through the cell in the same general direction as the carrier but independently thereof, whereby organic material is electrolytically deposited on the carrier from the solution as the two pass through the cell.

1,590,604. ELECTROLYTIC CELL. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,378. 20 Claims. (Cl. 204—5.)



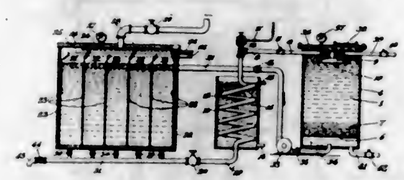
1. An electrolytic cell comprising a container, having an anode and cooperating cathode therein, a separator between said electrodes, an electrolyte solution on one side of the separator and a different conducting solution on the other side of the separator, the current passing between said electrodes passing through said solutions and separator the electrolyte solution and separator being such that material from the electrolyte solution is electro-deposited on the separator.

1,590,605. ELECTRIC-BATTERY CONSTRUCTION. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,379. 20 Claims. (Cl. 136—63.)



1. An electric battery cell having positive and negative electrodes comprising nonfibrous cellulose with active materials disseminated therein.

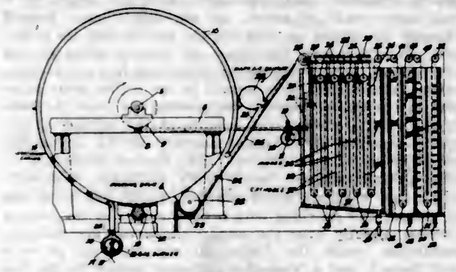
1,590,606. METHOD OF TREATING ORGANIC MATERIAL AND APPARATUS THEREFOR. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,380. 24 Claims. (Cl. 204—1.)



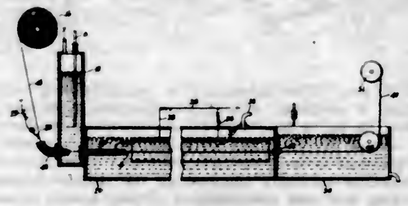
1. The method of treating organic material which consists in dissolving organic material in a solvent solution thereof in one chamber, conveying said solution to another chamber, increasing the strength of the solvent solution in the second chamber, returning the solution to the first chamber to dissolve more organic material therein, and continuing the cyclic transfer of the solution until the desired amount of organic material has been dissolved therein.

1,590,607. TREATMENT OF ORGANIC MATERIAL. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Filed July 2, 1924. Serial No. 723,654. 6 Claims. (Cl. 204—1.)

1. The method of treating cellulosic material which consists in passing a carrier through a solution of cellulosic material, subjecting the solution to evaporation in the carrier to substantially increase the stiffness of the solution, and form a substantially continuous belt or strip of the solution, subjecting said belt or strip to the action of dilute acid and removing same from said carrier, and passing the belt or strip through an electrolytic cell to remove solvent constituents from the cellulose material by electrolytic action.

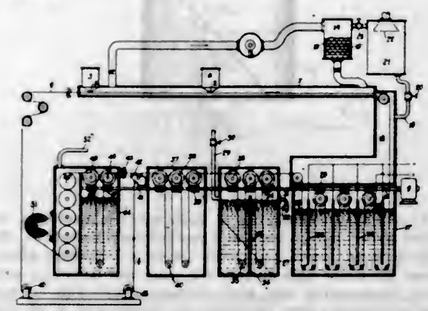


1,590,608. INSULATED ELECTRICAL CONDUCTOR AND THE LIKE. EDWIN TAYLOR, Brooklyn, N. Y., assignor to Taylor Laboratories, Inc., New York, N. Y., a Corporation of New York. Original application filed Mar. 11, 1920, Serial No. 364,980. Divided and application filed June 17, 1924, Serial No. 720,520. Divided and this application filed Mar. 18, 1926. Serial No. 95,802. 2 Claims. (Cl. 173—264.)



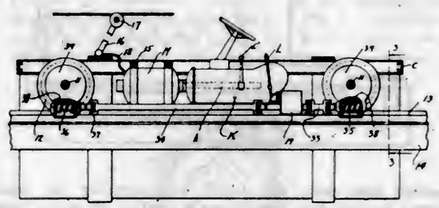
1. An insulated electrical conductor comprising a conducting wire with an insulating coating of substantially non-fibrous, structureless and uncombined cellulose thereon, said coating being substantially transparent, homogeneous and substantially continuous throughout and substantially impermeable to oil.

1,590,609. ELECTROLYTIC APPARATUS. EDWIN TAYLOR and EDWARD F. CHANDLER, Brooklyn, N. Y., assignors to Taylor Laboratories Inc., a Corporation of New York. Original application filed Dec. 2, 1919, Serial No. 341,953. Divided and this application filed Mar. 19, 1926. Serial No. 95,914. 6 Claims. (Cl. 204—5.)



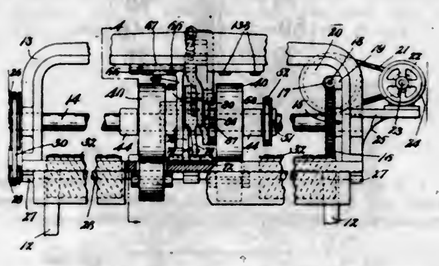
1. In an apparatus of the class described, the combination of an electrolytic cell substantially closed to the outside atmosphere, a chamber substantially closed to the outside atmosphere, means for passing a carrier through said chamber and cell and means for applying to said carrier in said chamber, material to be electrolyzed in said cell.

1,590,610. ELECTRIC MONORAIL ENGINE. THOMAS H. WRIGHT, Los Angeles, Calif. Filed Sept. 15, 1922. Serial No. 588,431. 1 Claim. (Cl. 105—119.)



In a mono-rail locomotive, an electric motor, a speed change transmission driven by said electric motor, a drive shaft delivering power from said speed change transmission, pinions keyed to said drive shaft, a reverse gear engaged by one of said pinions, a driving shaft parallel to the drive shaft and gearedly connected to the front and back wheels of the locomotive, and a gear shiftably keyed to said driving shaft and adapted to engage the other of said pinions or said reverse gear.

1,590,611. AUTOMATIC HIDE-FEEDING MACHINE. WALLACE C. WRIGHT, Brookfield, N. H., and DANA E. HARDING, Arlington, Mass., assignors to Harding Engineering Company, East Boston, Mass., a Corporation of Massachusetts. Filed Jan. 23, 1924. Serial No. 687,951. 4 Claims. (Cl. 271—39.)

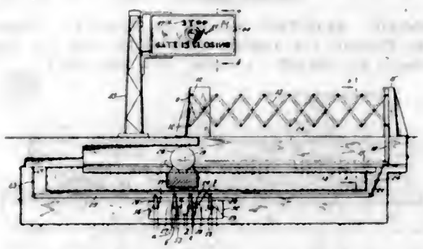


1. In a hide feeding machine, the combination of a main drive shaft, a feed wheel secured thereon, an idler feed wheel associated with said feed wheel, a starting wheel normally in engagement with the top hide of a pile of hides and operable to feed said hides in succession to the feed wheels, means for smoothing said hides flat before their engagement with the feed wheels, and means associated with said drive shaft and operable, when a hide has been engaged by the feed wheels, for moving said starting wheel out of engagement with said hides and holding the same out of engagement until such hide has passed entirely beyond the feed wheels.

1,590,612. TRAIN-OPERATED RAILWAY GATE. ARNOLD ZUKOR, New York, N. Y. Filed Apr. 13, 1925. Serial No. 22,617. 2 Claims. (Cl. 246—125.)

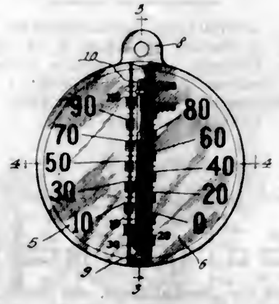
1. In a train-operated railway gate, the combination with a post, of a gate mounted thereon consisting of a plurality of jointed links forming a lazy-tong construction, an electric motor for extending and folding said lazy-tong construction, a track switch in the circuit of said motor in front of said gate, a track switch in the circuit of said motor beyond said gate, a motor reversing switch, a circuit interrupter, said motor reversing switch

and said interrupter being actuated by said gate, and means interconnecting said two track switches for restoring the track switch in front of said gate to open position, by the act of closing of the track switch



beyond said gate, and means for restoring the track switch beyond said gate to open position after the train has traveled a predetermined distance beyond said last-mentioned track switch.

1,590,613. THERMOMETER. ADELBERT ANDREW BENEDICT, New York, N. Y., assignor of one-third to Daniel A. Bridge and one-third to James Darmody, both of New York, N. Y. Filed May 22, 1925. Serial No. 32,200. 3 Claims. (Cl. 73—52.)

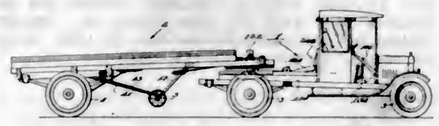


1. A thermometer casing formed of transparent material and having a magnifying portion formed integral therewith and disposed substantially centrally thereof.

1,590,614. OIL BURNER FOR FURNACES. ROBERT CRINNIAN, Detroit, Mich., assignor to Detroit Oil Burner Company, a Corporation of Michigan. Filed Nov. 17, 1923. Serial No. 675,424. 1 Claim. (Cl. 158—91.)

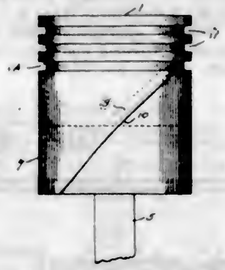
An oil burner adapted to be installed within the fire box of a furnace, comprising a hollow base casting for covering the entire furnace grate, a detachable burner plate mounted on the top of said base casting and securely attached thereto, said burner plate having a large air port positioned on each side of the center and opening into the base casting, an over-flow oil cup formed in the center of said burner plate and positioned between the two air ports therein, means for removing a surplus of oil from the said over-flow cup, a stepped, conical oil burner mounted in the center of said over-flow oil cup and extending above thereof, said oil burner comprising a series of concentric rectangular shaped oil chamber grooves, so positioned that the top of each groove chamber is higher than its adjacent outside groove chamber, and separated therefrom only by a thin sheet wall of metal, an oil supply pipe formed through the center of said burner and having its outlet port slightly above the inner oil groove chamber for overflowing therein, means for supplying fuel oil thereto, vertical side air channels formed in the furner plate adjacent to the burner support, for passing air from the base of the casting around the outside of the burner, a hollow rectangular air chamber mounted on the top of the burner plate and having the ends thereof connected to and opening into the burner plate air ports, said horizontal air chamber being position above and over the oil burner and provided with a burner port in the bottom thereon directly over the burner, a curved air deflector positioned inside the horizontal air chamber at each end thereof, and a V-shaped deflector formed in the top of the chamber directly over the burner port.

1,590,615. SEMITRAILER. LAGAR RUAL CULVER, Los Angeles, Calif., assignor to New-Comer Trailer Mfg. Co., Los Angeles, Calif. Filed Apr. 17, 1924. Serial No. 707,131. 25 Claims. (Cl. 280—33.1.)



1. A semi-trailer comprising in combination a tractor having a platform with guides positioned thereon, a trailer having a king bolt loosely depending therefrom, the end of the king bolt being adapted to be guided on the platform between the guideways to a central position, a turntable rotatably mounted on the trailer encircling the king bolt and interengaging locking means connecting the turntable and the platform forming a traction connection between the tractor and the trailer.

1,590,616. FLEXIBLE SKIRT PISTON. LEWIS R. DAVIS, San Francisco, Calif. Filed July 27, 1925. Serial No. 46,445. 4 Claims. (Cl. 74—108.)

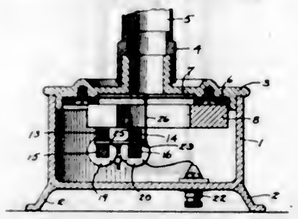


1. A piston comprising a head portion having a reduced lower end of annular cross-section throughout, the said reduced lower end being bored at opposite points above its lower edge to provide wrist pin bosses, a split skirt surrounding the said reduced lower end portion and extending above the wrist pin bosses and a rib connected to the reduced lower end portion and to the skirt for supporting the latter in spaced relation to the head and to the said lower end portion.

1,590,617. PROCESS FOR TREATING PETROLEUM EMULSIONS. MELVIN DE GROOTE, St. Louis, Mo., assignor to Wm. S. Barnickel & Company, Webster Groves, Mo., a Corporation of Missouri. Filed Dec. 23, 1924. Serial No. 757,739. 2 Claims. (Cl. 196—4.)

1. A process for treating petroleum emulsions, characterized by subjecting the emulsion to the action of a water insoluble salt of a mineral sulphonated oil.

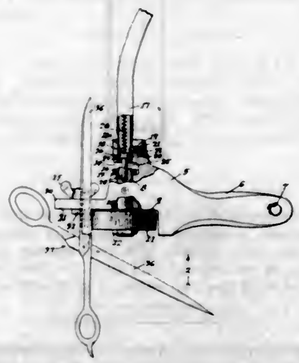
1,590,618. TELEPHONE RECEIVER. HENRY C. EGERTON, Passaic, N. J.; May L. Egerton, executrix of said Henry C. Egerton, deceased. Filed Apr. 5, 1922. Serial No. 549,800. 14 Claims. (Cl. 179—119.)



1. A telephone instrument comprising in combination a permanent magnet of the horseshoe type, bifurcated pole pieces of magnetic material secured in magnetic relation to the poles of said magnet respectively and located upon one and the same side of the major plane of said magnet, an armature rotatively mounted between said pole pieces and coils mounted on the legs of said pole pieces respectively and wound and connected to produce rotative movement of said armature on change of current through said coils and a diaphragm connected with said armature.

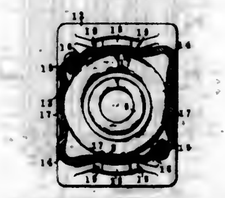
5. A telephone receiver comprising in combination a magnet; an armature adapted to be acted upon by said magnet, coils adapted to affect the movement of said armature, a single spring upon which said armature is mounted and which provides a pivotal mounting therefor, and a diaphragm connected with said armature.

1,590,619. SHEARS SHARPENER. ARCHIE G. ERNST, Anaheim, Calif. Filed Mar. 18, 1924. Serial No. 700,070. 2 Claims. (Cl. 51—102.)



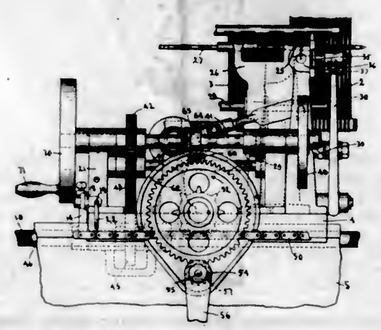
1. A shear sharpener, comprising in combination a frame having a handle at one side with the base of the handle extending outwardly leaving an inset surface, an extension portion opposite and below the handle having a slot therein, said extension having inset surfaces and alined faces, a grider shaft extending through the frame, a grinding wheel on the end of the shaft adjacent the inset surface, a work holder comprising an arm having a bolt extending through the slot in the extension and means to operate the shaft.

1,590,620. DRAFT RIGGING FOR RAILWAY CARS. ERNEST G. GOODWIN, Brooklyn, N. Y., assignor to Standard Coupler Co., New York, N. Y., a Corporation of New Jersey. Filed Apr. 18, 1922. Serial No. 555,375. 9 Claims. (Cl. 213—26.)



1. As an article of manufacture, a friction box for optional application to a tubular type of spring barrel or a substantially rectangular barrel having rounded outer faces intermediate its corners, said friction box including a body, and lugs extending from said body and shaped for engagement with the side faces of the barrels.

1,590,621. WARP-DRAWING MACHINE. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Original application filed Mar. 23, 1918, Serial No. 224,431. Divided and this application filed May 2, 1923. Serial No. 636,278. 4 Claims. (Cl. 28—44.)

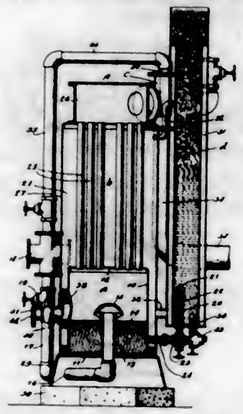


1. A warp-drawing machine having, in combination, a bed, a mechanism carriage on the bed, a chain constituting in effect a stationary rack, a sprocket wheel journalled on the carriage and meshing with said chain, means for manually turning said sprocket wheel, and means to lock the sprocket wheel against rotation in one direction.

1,590,622. APPARATUS FOR PRODUCING SULPHUROUS ACID GASES. INGENUIN HECHENBLEIKNER, Charlotte, N. C., assignor to Chemical Construction Company, New York, N. Y., a Corporation of North Carolina. Filed Apr. 1, 1924. Serial No. 703,461. 6 Claims. (Cl. 23—278.)

1. An apparatus for producing sulphurous acid gases comprising a combustion chamber for holding a supply of

liquid sulphur, means for introducing an oxidizing fluid into the combustion chamber and including a central inlet and a deflecting hood for directing the said fluid down-



wardly onto the level of the sulphur, and means for varying the sulphur level to vary the strength of the sulphurous acid gases produced.

1,590,623. FLASH LIGHT. WILLIAM F. HENDRY, Ossining, and CHARLES J. NELSON, New York, N. Y., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1925. Serial No. 22,960. 10 Claims. (Cl. 240—105.)

1. In a flashlight, a casing, a battery and a lamp enclosed therein, a circuit for said lamp including a contact member and a slide having an uneven surface, said slide and contact member being enclosed within said casing in different planes and normally spaced from each other, a button for moving said slide projecting to the outside of said casing, and resilient means engaging the uneven surface of said slide.

1,590,624. FLASH LIGHT. WILLIAM F. HENDRY, Ossining, and CHARLES J. NELSON, New York, N. Y., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1925. Serial No. 22,961. 6 Claims. (Cl. 240—10.5.)

1. In a flashlight, a casing, a battery and a lamp therein, a circuit for said lamp, a combined push button and slide for controlling said circuit, a single spring in said circuit resisting depression of said slide, holding it in one of three operating positions, and cooperating therewith to complete said circuit, means for mounting

said spring on said casing, and insulation for electrically separating said spring from said slide in one of said positions thereof.

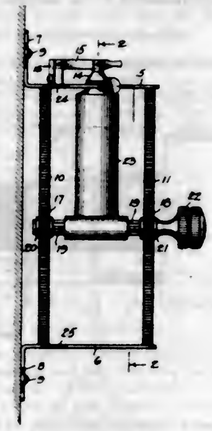
1,590,625. FLASH LIGHT. WILLIAM F. HENDRY, Ossining, and CHARLES J. NELSON, New York, N. Y., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 1, 1925. Serial No. 47,583. 10 Claims. (Cl. 240—10.5.)

1. In a flashlight, a casing, a battery and a bulb enclosed therein, a slide and a cooperating contact for controlling the bulb circuit, and two springs mounted on the casing on one side of said slide, the free ends of said springs pressing the two edges of said slide against said casing.

1,590,626. TUBE HOLDER AND CONTENTS DISPENSER. FRED HIGHLEY, Pasadena, Calif., assignor of one-half to George I. Flannery, Pasadena, Calif. Filed July 16, 1925. Serial No. 44,000. 3 Claims. (Cl. 221—60.)

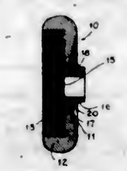
1. A tube holder and contents dispenser comprising a frame having means to support a tube therein, a rack

extending axially of said tube, a pinion riding on said rack, a key spool of less diameter than said pinion se-



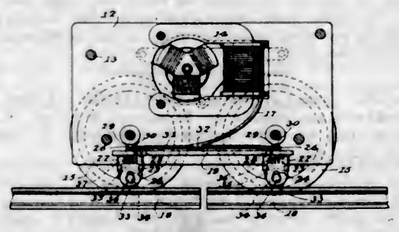
cured to said pinion so as to be rotated thereby and arranged to wind said tube thereon, said spool being arranged to receive the tail of said tube.

1,590,627. SOUND CONVEYER. MAURICE W. HIRSHFIELD, New York, N. Y. Filed Oct. 5, 1922. Serial No. 592,539. 1 Claim. (Cl. 181—0.05.)



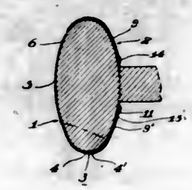
For use with a sound-producing mechanism provided with a cap having an opening through which sounds are transmitted, means adapted to be connected to said mechanism for transmitting said sounds to a device without leakage or diffusion, said means comprising a tube adapted to be inserted in said opening and extending to said mechanism, said tube being connected to said mechanism by a leak-proof joint, and a rubber ring surrounding said joint.

1,590,628. CONTACT FOR TOY RAILWAY LOCOMOTIVES. HARRY C. IVES, Bridgeport, Conn., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 7, 1924. Serial No. 730,763. 5 Claims. (Cl. 191—49.)



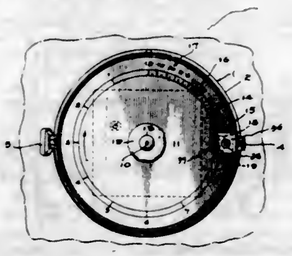
1. In a toy electric railway, the combination with an electrically operated element of a rolling stock unit, of a support, contact rollers longitudinally spaced from each other, supports for said rollers having a pair of lugs, one of said lugs being clamped through said first support, the other of said lugs being apertured and extended through said support to bring its aperture to the upper side of said support, means yieldably mounting said rollers in said supports, and a bonding conductor wire engaged at its ends through said apertures of said lugs to secure and electrically connect the same.

1,590,629. COVER FOR DOORKNOBS. FREDERIC S. JULIUS, Evanston, Ill. Filed Dec. 19, 1925. Serial No. 76,404. 6 Claims. (Cl. 150—52.)



1. A knob cover comprising a substantially annular shaped slitted body providing a knob-receiving pocket at its interior, and means for locking the free ends of said body together upon the knob.

1,590,630. WATCHMAN'S TIME-RECORDING CLOCK. PETER W. KANE, Chicago, Ill., assignor to Thomas C. Kane, Chicago, Ill. Filed Aug. 8, 1925. Serial No. 48,927. 1 Claim. (Cl. 234—37.)

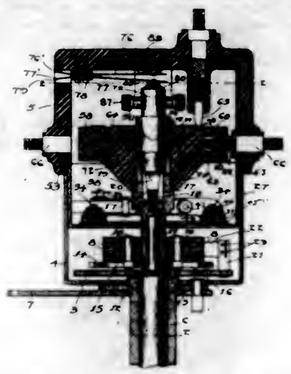


A device of the character described, comprising a perforating mechanism consisting of an upright cast member having a base and a bore extending from end to end thereof, a transverse slot communicating with said bore and adapted to house a Y-shaped cam member, a slot in said cam member and a pin extending through said slot and providing a pivot-point and guide for said Y-shaped member, a spring-pressed perforating member mounted in said bore and normally resting in the crotch of said Y-shaped member, and means for manually rocking said Y-shaped member to force said perforating member outwardly against the spring urge.

1,590,631. IGNITION SYSTEM. LEROY D. KELLOGG, Deerfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1921. Serial No. 487,834. 13 Claims. (Cl. 123—146.5.)

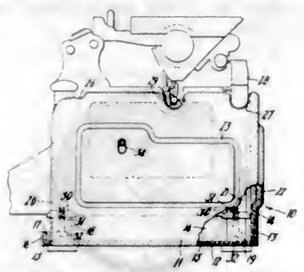
1. In an electric current controller of the character described, the combination of a rotary device, including a cover cap, a pair of normally open spring contacts secured thereto, a rotatable shaft, a sleeve member, a second shaft having a collar secured thereto for engaging said sleeve member, said second shaft mounted in association with said first shaft by said sleeve member, a friction member for said second shaft secured to said

cover cap, said second shaft adapted to be moved away from said first shaft by the cooperation of said sleeve member and said collar and by said friction member to



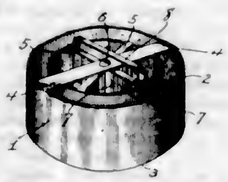
close said contacts when said first shaft is rotating, and also adapted to be returned to normal position by spring tension when rotation ceases.

1,590,632. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 20, 1923. Serial No. 675,813. 5 Claims. (Cl. 197—186.)



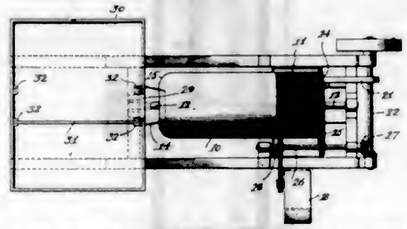
1. A sound deadening pack or shoe for a typewriting machine, which machine has an upright frame and overhanging front and back part, said shoe comprising a shell in two pieces, one piece being a base plate and the other piece being bent around the edges of the base plate to form a back wall and two side walls of the shoe, the side walls being spaced apart at such distance as closely to embrace the sides of the frame of the machine, the walls of the shoe extending upwardly to approximately the front and back overhanging parts of the machine and the front of the walls of the shoe terminating at the front of the upright frame of the machine, and a sound deadening lining for the shell.

1,590,633. BREAD AND PASTRY IMPLEMENT. MARY L. LEE, Louisville, Ky. Filed Mar. 27, 1926. Serial No. 97,890. 3 Claims. (Cl. 107—51.)



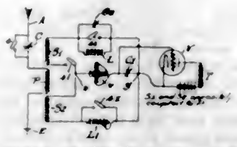
3. A device of the character described, comprising an outer cutter member, an inner cutter member having less depth than that of the outer cutter member, said inner cutter member including a frame rigid therewith and mounted to turn within the outer cutter member, and teeth depending from said frame within the inner cutter member.

1,590,634. FERTILIZER MIXER. MILTON A. LOKEY, Clay County, Ga. Filed Sept. 3, 1925. Serial No. 54,267. 3 Claims. (Cl. 259—8.)



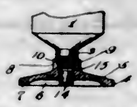
1. In a mixing apparatus, a mixing and grinding cylinder mounted on a shaft and having its lower end provided with a cylindrical screen, an external sprocket-wheel on the lower, screen end of the cylinder, a counter-shaft arranged parallel with the cylinder and being provided with a sprocket-wheel connected to the sprocket-wheel on the cylinder by a sprocket-chain, a sacker driven from this counter-shaft, a receiving-chute embracing the screen portion of the cylinder and having a spout for delivering the screened material to the sacker, a lump-grinder having its hopper positioned to receive the lumps as they fall from the rear, screen end of the cylinder and having its delivery-chute arranged to deliver the ground materials into the aforesaid main chute, a main driving-shaft and means for driving the aforesaid counter-shaft and the aforesaid lump-grinder therefrom.

1,590,635. RADIO SYSTEM. DAVID G. MCCAA, Lancaster, Pa., assignor to The Electric Apparatus Co., Parkesburg, Pa., a Corporation of Pennsylvania. Filed May 5, 1925. Serial No. 28,067. 37 Claims. (Cl. 250—20.)



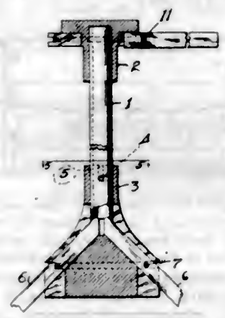
1. In the reception of signals represented by high frequency energy, the method which comprises receiving the signal energy in a path having a natural frequency differing from the frequency of the received oscillations, effecting between a signal-translating circuit and said path opposing couplings preventing impression of signal oscillations and oscillations of different frequency upon said translating circuit, and changing one of said couplings as regards its balancing effect for signal oscillations to effect their impression upon said translating circuit to the substantial exclusion of the oscillations of different frequency.

1,590,636. COLLAPSIBLE CONTAINER. JAMES H. MCMANUS and GEORGE D. MCMANUS, Brooklyn, N. Y. Filed Aug. 9, 1921. Serial No. 490,861. 2 Claims. (Cl. 221—60.)



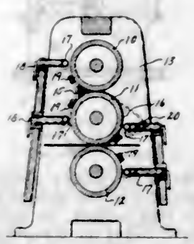
1. A tube of collapsible or deformable material having a discharge nipple and a base on which the tube is supported so as to stand upright with the nipple extending downwardly, said base having an upwardly extending hub in which the nipple engages and formed with a recess below the hub opening out through the base through which the contents of the tube may be discharged, and means for closing the recess in the base.

1,590,637. PORTABLE STAND. SIMONE MARENGO, Berkeley, Calif., assignor to Alexander L. Daniele, San Francisco, Calif. Filed Jan. 15, 1924. Serial No. 686,403. 1 Claim. (Cl. 45—117.)



A portable stand comprising a central post, a detachable leg hub on the bottom of said post, an annular groove in said hub, radial slots cutting through said groove, said slots extending down vertically from said groove, and extending up from said groove on an angle to meet below the bottom of said post, legs in said slots with their inner ends under said post, said legs having holes in alignment with the bottom of said groove, a wire passing through all of said holes and having its ends fastened together.

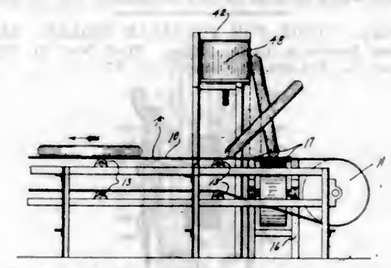
1,590,638. CONTROLLING THE TEMPERATURE OF RUBBER-WORKING ROLLS. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 8, 1924. Serial No. 711,938. 5 Claims. (Cl. 18—2.)



5. In the manufacture of sheet like article from a hot plastic material, the method of controlling the temperature of the sheeting rolls which consists in subjecting a portion of the outside surfaces of the sheeting rolls to the action in controlled amounts of an agent adapted to absorb heat rapidly from the sheeting rolls.

1,590,639. APPARATUS FOR USE IN INSPECTING TIRES. EDWARD H. MARSH, Jr., Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Apr. 23, 1924. Serial No. 708,477. 7 Claims. (Cl. 198—19.)

1. In an apparatus of the class described, two conveyors at right angles to each other, means adjacent one conveyor for supporting annular articles in a slanting position, said supporting means extending beyond said conveyor over the second conveyor, and means for rolling the articles onto the second conveyor.

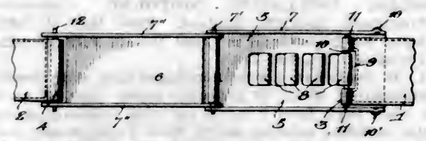


4. In an apparatus of the class described, a conveyor for supporting an annular article in a slanting position, and means for automatically reversing the slant of said article at a predetermined point in the travel of the conveyor.

1,590,640. PROCESS OF MANUFACTURING OIL OF A LOW BOILING POINT FROM MINERAL HEAVY OILS. TSUGUYOSHI MII, Yamaguchi-Ken, Japan, assignor to Kotaro Isomura, Yamaguchi-Ken, Japan. Filed Jan. 19, 1923. Serial No. 613,765. 9 Claims. (Cl. 23—233.)

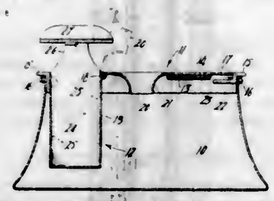
1. The process of producing a catalyst for the manufacture of oils having a low boiling point, which consists in impregnating an aluminum hydrosilicate with a soluble chlorde.

1,590,641. WRIST-WATCH STRAP. CHARLES A. MEALY, Providence, R. I., assignor to The Hadley Company, Providence, R. I. Filed Jan. 27, 1926. Serial No. 84,196. 6 Claims. (Cl. 24—71.)



6. In a wrist watch strap, a pair of strap sections, a pair of connector sections carried by the respective strap sections and being hinged together at their inner ends, a series of hooks carried by one of the connector sections and located between the sides thereof, and means carried by one of the strap sections and selectively engageable with one of the hooks to connect said last named strap section to the first named connector section, the other connector section being movable to overlie the first connector section so as to hold the said means between the two connector sections.

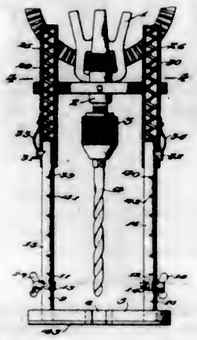
1,590,642. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed July 6, 1923. Serial No. 649,905. 15 Claims. (Cl. 206—20.)



1. The combination with an ash-receiver, of an open removable top frame for said ash-receiver, a match-safe depending from said frame within the ash-receiver, and a lid hinged to the upper part of the match-safe and con-

forming with said frame, said lid provided with a pocket for a match-striking slip, and also having an opening through which to drop burned matches.

1,590,643. GUIDE FOR PORTABLE DRILLS. ALEXANDRE NEUWELT, Boston, Mass. Filed Nov. 21, 1923. Serial No. 675,982. 1 Claim. (Cl. 77—7.)

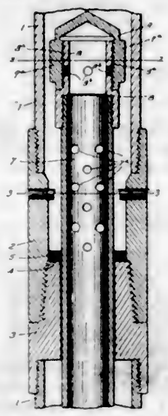


A device of the class described including a base, tool supporting means, a pair of spaced guide rods adjustably mounted on the said base, a pair of spaced cylinders carried by the said tools supporting means for receiving the free ends of the said guide rods, lock nuts on said guide rods, and springs in the said cylinders, spring elements positioned on said cylinder, latches on said spring elements, openings formed in the aforesaid cylinders, means for limiting the downward movement of the cylinders on the said guide rods, and means for limiting the upward movement of the side cylinders on the said guide rods, substantially as described.

1,590,644. INSULATING COMPOUND. CORNELIUS PICKSTONE, Radcliffe, England. Filed May 11, 1925. Serial No. 29,569, and in Great Britain July 31, 1924. 2 Claims. (Cl. 106—13.)

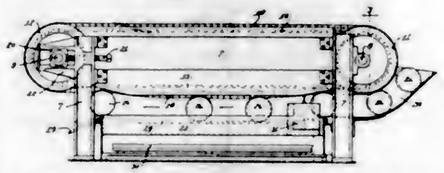
1. An insulating composition comprising slate powder approximately 40 to 70 per cent, rubber from 15 to 25 per cent, pitch from 2 to 10 per cent, vulcanizing material including coloring matter from 13 to 25 per cent.

1,590,645. VALVE MECHANISM FOR INNER DRILL-CASING TUBES. CHESTER A. RASMUSSEN, Long Beach, Calif., and WILLIAM H. RINEHART, Waynesburg, Pa. Filed Mar. 20, 1924. Serial No. 700,364. 9 Claims. (Cl. 255—28.)



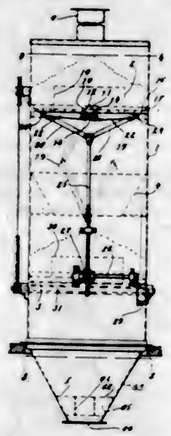
1. In combination, an outer drill casing having an inwardly projecting element, an inner casing, a packing therebetween, said inner casing having inlet openings near its upper end above said packing, a closure member for said inlet openings, adapted to be moved to open and close said openings, said closure member being adapted to be moved by the inwardly projecting element in said outer casing when said outer casing is moved longitudinally and rotatively relative to said inner casing.

1,590,646. APPARATUS FOR APPLYING SOLDER TO CAN CAPS. LOYAL D. ROE, Associated, Calif., assignor of one-half to Sumner E. Campbell, Associated, Calif. Filed Oct. 12, 1925. Serial No. 61,912. 10 Claims. (Cl. 113—80.)



1. An apparatus for coating the edge portions of circular objects comprising a tank adapted to contain a coating medium, a fixed track positioned within said tank below the surface of the medium therewithin, and a movable member positioned above said track and adapted for rolling contact with the objects along it.

1,590,647. GRAVITY MIXER. AUGUSTUS J. SACKETT, Baltimore, Md. Filed Dec. 3, 1925. Serial No. 72,884. 12 Claims. (Cl. 71—1.)



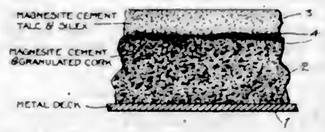
1. In an apparatus for mixing comminuted materials, a removable support for all the materials, an upright wall intermediately of said support, an upright wall at the sides of the support, means for depositing the material to be mixed on the side of the first-mentioned wall remote from the side wall, permitting it to accumulate and overflow between the first-mentioned wall and the side wall, and means for moving the support whereby the accumulations on the two sides of the first-mentioned wall are released and permitted to flow downwardly.

1,590,648. TRANSFER FOR PRODUCING MULTI-SHADE EFFECTS AND METHOD OF MAKING SAME. HELENA S. SADTLER, Erdenheim, Pa. Filed Apr. 16, 1925. Serial No. 23,718. 9 Claims. (Cl. 41—33.)

1. A transfer comprising a paper base having markings thereon of ink with which is combined a fusible bonding substance and infusible particles, the latter being covered by a coating of the ink and fused bonding substance.

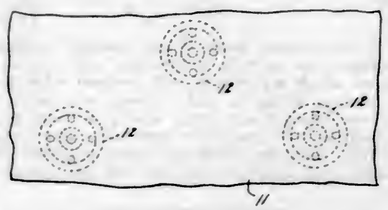
7. The method of producing a transfer which is adapted for producing markings upon fabrics of different colors which comprises the printing of the said markings upon a paper base with a non-drying or slow-drying ink having an excess of color therein, sprinkling upon the markings when still moist a powder comprising a substance fusible at the temperatures employed and metal particles infusible at said temperatures, and thereafter applying heat to fuse the said fusible substance to cause the same to combine with the ink and to cover and bind the said metal particles together.

1,590,649. FLOORING MATERIAL. CHARLES SCHACK, New York, N. Y. Filed May 13, 1920. Serial No. 380,974. 1 Claim. (Cl. 94—3.)



A flooring material containing cementitious material in the form of calcined magnesite and magnesium chloride, said flooring material being formed in two layers, in one of which granulated cork is mixed with the cementitious material and the other layer having talc and silex mixed with the cementitious material.

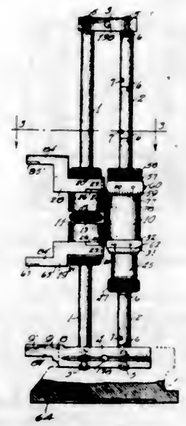
1,590,650. ANCHORING DEVICE FOR DECK-COATING MATERIAL. CHARLES SCHACK, Brooklyn, N. Y. Filed July 25, 1925. Serial No. 46,188. 2 Claims. (Cl. 114—85.)



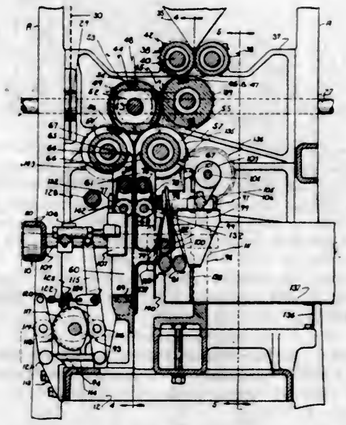
1. An anchoring device for a composition coating for ships' decks comprising a saucer-shaped member formed of metal and provided with a perforation in a central portion of the base through which the member may be welded to the deck, the peripheral edge portion of the saucer-shaped member having an annular and horizontal disposition whereby to exert a locking action on engaged material, and the inclined walls of the saucer-shaped member being provided with perforations to receive connecting bonds of the composition coating.

1,590,651. COMBINATION PRECISION MEASURING INSTRUMENT. GEORGE SCHUSTARICH, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 431,983. 22 Claims. (Cl. 33—165.)

1. In a device of the character described, a staff having a scale of equal divisions along its length and with complementary recesses in adjacent relation to the scale, a stationary jaw secured to an end of the staff, carrying means movable on said staff, revoluble means mounted on said carrying means and having a turning engagement with one or the other of the recesses in the staff to accurately position the carrying means upon the staff, a movable jaw slidingly mounted on the staff, and means carried by the carrying means for moving said movable jaw in parallel relation to said stationary jaw and having a range of adjustment greater than the distance between any two adjacent recesses in the staff.



1,590,652. CORNUCOPIA-FOLDING MACHINE. GLENN A. SHAFFER and FRANKLIN H. WIRTZ, Green Bay, Wis. Filed Dec. 31, 1924. Serial No. 759,060. 14 Claims. (Cl. 270—67.)

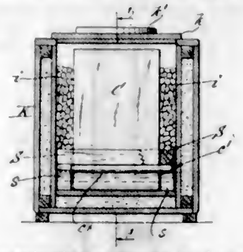


1. A machine of the character described, comprising a primary folding mechanism adapted to cut and fold a sheet of paper into quarter size and square shape, and mechanism including a series of grouped conical rolls for finally folding the primary folded sheet into cornucopia shape.

1,590,653. ICE CABINET. HENRY SHULTZ, New York, N. Y. Filed Jan. 9, 1926. Serial No. 80,181. 1 Claim. (Cl. 62—75.)

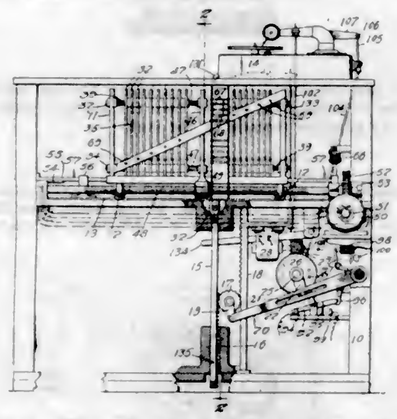
In combination with an ice cabinet of the character designated, a spacing frame fitting within the walls thereof and formed with spacing legs resting upon the

bottom thereof, and a container fitting within said spacing frame and formed with anchor shoulders which contact with the under side of said spacing frame, the top



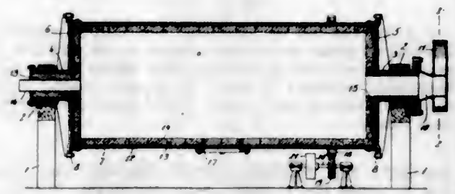
of the latter constituting a support for ice packed around the container, substantially in the manner and for the purpose set forth.

1,590,654. AUTOMATIC PHONOGRAPH. OBERLIN SMITH, Bridgeton, N. J. Filed May 10, 1924. Serial No. 712,317. 25 Claims. (Cl. 274—10.)



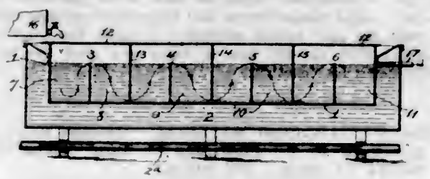
1. A sound reproducing machine of the kind described comprising phonograph player mechanism a magazine for a collection of player devices movable between certain extreme limits, automatic means for moving said magazine, means to transfer selected player devices between the magazine and the player mechanism, and means manually operable at will comprising control devices related, respectively, to definite points within such limits of movement of the magazine for causing the stoppage of the magazine at selected points.

1,590,655. LINING FOR GRINDING APPARATUS AND THE LIKE. HAROLD NORMAN SPICER, New York, N. Y. Filed Dec. 17, 1925. Serial No. 75,984. 11 Claims. (Cl. 83—9.)



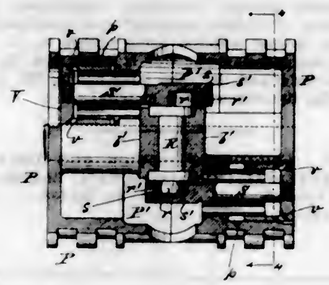
1. In an apparatus of the character described, a lining comprising a layer of acid-resistant material, protected by a layer of abrasion-resistant material, and a layer of fibrous material interposed between said acid-resistant layer and said abrasion-resistant layer.

1,590,656. SYSTEM OF TREATING OIL. HARRY P. TABER, Wilmington, Del. Filed Aug. 19, 1921. Serial No. 493,604. 4 Claims. (Cl. 87—12.)



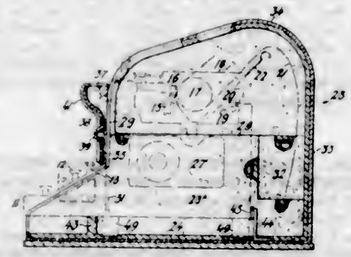
4. The method of treating drying oils which consists in causing an undivided body of oil to flow continuously by gravity alternately in contact with and away from a heated surface, and exposing the body of oil to the action of atmospheric air in the intervals when it is away from the heated surface.

1,590,657. STEAM-ENGINE-CYLINDER PISTON. CHARLES UEBELMESSER, New York, N. Y. Filed Mar. 21, 1925. Serial No. 17,204. 1 Claim. (Cl. 121—125.)



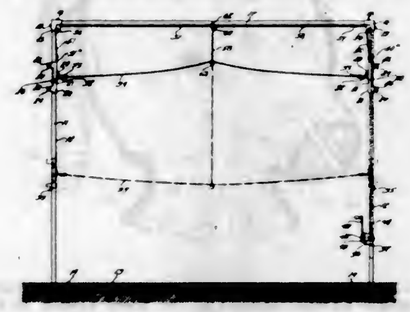
In a steam engine piston of the character designated, the combination of twin compression relief valves the stems of which are formed with recessed cross heads, slide bearings fitting in said recessed cross heads, and a rock shaft formed with offset wrist pins fitting in said slide bearings and arranged to shift said relief valves to alternately open one valve and close the other simultaneously, and vice-versa, as and for the purpose set forth.

1,590,658. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 21, 1924. Serial No. 733,286. 16 Claims. (Cl. 197—186.)



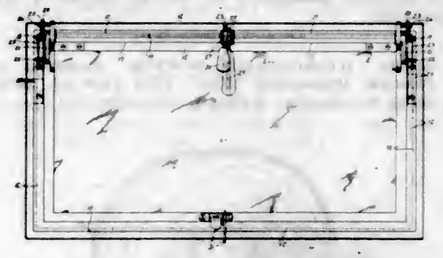
1. A sound-deadening pack for a typewriting machine, comprising a lower boxwork having a sound-absorbing lining and fitting tightly upon the framework of the typewriting machine, and surmounted by a carriage-chamber unitary with said lower boxwork and having bottom, ends, front, back and top all provided with sound-absorbing linings, said chamber open throughout its length at its top and front to afford access to the typewriter carriage and its appurtenances for manipulation thereof.

1,590,659. CLOTHESLINE-SUPPORTING DEVICE. WILLIAM J. WHITE, Philadelphia, Pa. Filed May 29, 1922. Serial No. 564,298. 2 Claims. (Cl. 68—3.)



1. A clothes supporting device including posts; a clothesline; a carriage movably embracing each post, each carriage being provided with a plate part having a ledge; an angle bar for supporting the clothesline resting on the ledge and secured to the plate part, and means for raising the carriages on the posts.

1,590,660. WINDSHIELD. GORDON WILLIAMS, Mount Carmel, Conn. Filed Feb. 12, 1926. Serial No. 87,771. 5 Claims. (Cl. 96—84.)



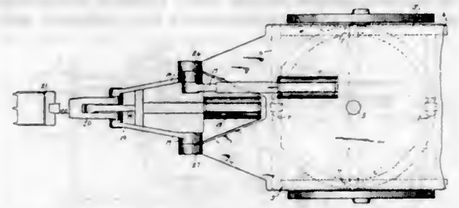
1. A windshield, comprising a frame, a sash hinged at its upper edge thereto, a tranverse bar mounted on said sash, plates secured to opposite sides of the said frame and extending inwardly therefrom, the said plates formed with locking-notches, arms fixed to the said bar, studs carried by said arms to engage with said notches, and a handle fixed to said bar, whereby the bar may be turned.

1,590,661. PROCESS FOR MANUFACTURING PERYLENE COMPOUNDS OF QUINONE CHARACTER. ALOIS ZINKE, Gratz, Austria, assignor to Felice Bensa, Genova, Italy. Filed Apr. 7, 1925. Serial No. 21,324, and in Austria Apr. 10, 1924. 1 Claim (Cl. 260—56.)

Process of manufacturing perylene compounds of quinone character consisting in treating halogen compounds of perylene with concentrated sulphuric acid at a temperature of from 130 to 140° centigrade.

1,590,662. POWER SHOVEL. JOHN R. ZYGALINSKI, New Haven, Conn. Filed Aug. 13, 1925. Serial No. 49,946. 2 Claims. (Cl. 214—132.)

1. A power shovel, comprising a rotatable platform, a cylinder horizontally mounted on the platform, said platform having forwardly-projecting booms, a piston in said cylinder, a yoke pivotally connected with the outer ends of the said booms, connection between the piston and yoke for rocking the yoke, a shovel-arm pivotally connected with said yoke, a cylinder supported by said yoke, a piston in said cylinder and connected with the shovel-arm below its pivotal point, whereby the shovel-arm may be turned on its pivot.



1,590,663. ENZYMES AND PROCESS OF ISOLATING THEM FROM THEIR SOLUTIONS. HANS ALTGELT and OTTO HOCHMUTH, Biebrich-on-the-Rhine, Germany, assignors to Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany, a Corporation of Germany. Filed Mar. 17, 1925, Serial No. 16,256, and in Germany Mar. 17, 1924. 6 Claims. (Cl. 252—1.)

1. Process for isolating enzymes from their solutions which consists in first saturating these solutions by addition of a salt and then adding to the solution a salt of an aromatic sulfonic acid.

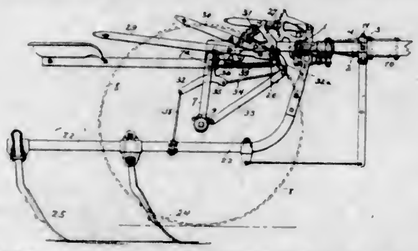
1,590,664. WHEELED CULTIVATOR. HERMAN E. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Mar. 25, 1925. Serial No. 18,240. 6 Claims. (Cl. 97—154.)

1. In a wheeled cultivator, the combination with a frame and a pole pivotally connected therewith, of a transverse movable bar, bell-crank-levers mounted on the frame in advance of said bar, blocks secured to said bar and projecting rearwardly therefrom, pivotal connections between said blocks and rearwardly projecting arms of said bell-crank levers, a rearward extension on the pole, means pivotally connecting said rearward extension with said bar, cultivator gang beams attached to said bar, and operating means connected with arms, of said bell-crank-levers.

1,590,665. WHEELED CULTIVATOR. HERMAN E. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Original application filed Mar. 25, 1925, Serial No. 18,240. Divided and this application filed Aug. 26, 1925. Serial No. 52,659. 3 Claims. (Cl. 97—148.)

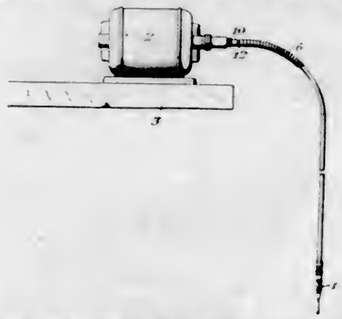
1. In a cultivator, the combination with a frame, a crank axle, and wheels, a transverse bar carried thereby, a plurality of cultivator gang beams connected with said bar, of a transverse shaft mounted on the

frame, a segment secured to the frame, a main hand lever secured to said transverse shaft and carrying a detent for cooperation with said segment, a plurality of segments secured to said shaft, auxiliary levers loose on said shaft and carrying detents for cooperation with



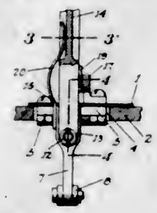
said last-mentioned segments, each of said auxiliary levers having a depending arm, bell-crank-levers supported by the frame, a connection between one arm of each bell-crank-lever and the depending arm of an auxiliary lever, and connections between the other arms of said bell-crank-levers and the respective cultivator gang beams.

1,590,666. FLEXIBLE SHAFT AND CABLE SUPPORT. ROBERT C. ANGELL, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1923. Serial No. 651,445. 2 Claims. (Cl. 64—30.)



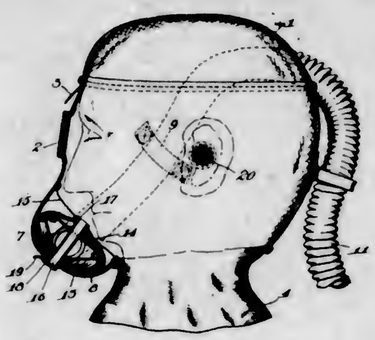
1. A stiffening sleeve for a flexible element, comprising a tube formed of a flat tapered strip helically coiled, so that the flat web of said strip extends in the general direction of the axis of said tube.

1,590,667. EMERGENCY-BRAKE-OPERATING LEVER FOR AUTOMOBILES. LESTER R. ARMSTRONG, Modesto, Calif. Filed Jan. 9, 1926. Serial No. 80,157. 1 Claim. (Cl. 74—39.)



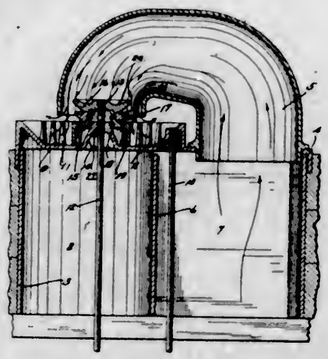
A brake rod operating device for a motor vehicle having a horizontal brake rod under the floor thereof, comprising a vertical lever, operating connections between said lever and rod, a plate to be fixed on the floor of the vehicle and thruogh which the lever projects, a pivot pin for the lever, and bearings for said pin fixed on the plate.

1,590,668. GAS MASK. ROSARIO BELLO, Trenton, N. J. Filed July 30, 1925. Serial No. 47,115. 2 Claims. (Cl. 128—141.)



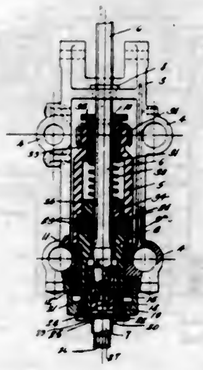
1. A gas mask comprising a head piece and a neck band of elastic material secured to the lower portion of the head piece, the said head piece provided with an opening, a screen in said opening, a main air supply tube attached to the head piece and having an opening formed in its side registering with the opening in the head piece for supplying air to the wearer of the mask, an air tight covering secured to the head piece, and over the said tube at a point where the latter supplies air to the head piece, and a normally closed tube extending through the air tight covering and the said screen, so that the wearer may expectorate without removing the mask, and the outer end of said air supply pipe forming the discharge passage-way for the air utilized in the head piece.

1,590,669. HYDROCARBON BURNER. CLARENCE A. BERKINS, Minneapolis, Minn. Filed June 25, 1924. Serial No. 722,279. 3 Claims. (Cl. 158—91.)



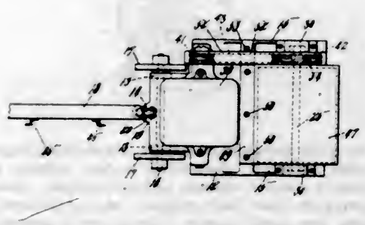
1. An oil burner comprising a bowl having a raised rim and a raised central hub, an air delivery tube, the delivery end of which is located above said bowl and is concentric to the projected axis of the hub thereof, a stack consisting of upper, lower and intermediate generating plates, said generating plates having dished annular surfaces, said lower plate having a raised tubular hub upon which the intermediate and upper plates are seated, and an oil delivery pipe extended upward through the hub of said bowl and passed axially through said upper generating plate to the central top portion thereof.

1,590,670. SCREW AND NUT DRIVING MACHINE. SPENCER K. BROWN, Syracuse, N. Y., assignor to The Black & Decker Manufacturing Company, Towson, Md., a Corporation of Maryland. Filed Mar. 3, 1921, Serial No. 449,305. Renewed Apr. 29, 1926. 5 Claims. (Cl. 192—54.)



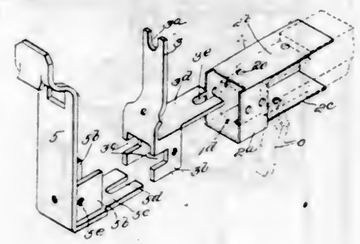
1. In a screw and nut driving machine, the combination of a rotating driving element, a rotating driven element, a friction clutch connecting said elements, a spring for normally engaging the clutch during rotation of the driving element forwardly, means for actuating the driving element in either direction, and means for automatically additionally tensioning the spring during movement of the driving element in the reverse direction, substantially as and for the purpose described.

1,590,671. FLOOR-SURFACING MACHINE. JOHN A. CAMPBELL, Quincy, Mass. Filed Aug. 2, 1924. Serial No. 729,715. 1 Claim. (Cl. 15—49.)



A floor-surfacing machine comprising a wheeled carrying frame including spaced apart arms, sockets on the arms having closed outer ends at the outer sides of and integral with the arms, and open inner ends at the inner sides of the arms, a rotary tool adapted to act on a floor and including a hub, a shaft fixed to the hub and provided with shouldered journal portions projecting from the hub, and a driving wheel fixed to the shaft and bearing on one end of the hub, a motor on the frame, connections between the motor and driving wheel on the tool shaft, annular bearing members mounted on the journal portions of the tool shaft and inserted, with the journal portions, in said sockets, the bearing members being confined against inward movement by the shoulders of the journal portions of the tool shaft, and against outward movement by the closed ends of the sockets, said closed ends excluding dust raised by the tool from the outer ends of the bearing members, the open ends of the sockets being closed by an end portion of the tool hub, and by the driving wheel, so that dust raised by the tool is excluded from the inner ends of the bearing members.

1,590,672. TUBE FRAME. EUGENE F. CLARK, Leaksville, N. C. Filed May 24, 1924. Serial No. 715,536. 9 Claims. (Cl. 139—10.)



1. In a tube frame for tuft weaving, the combination of a carrier-bar, of a hollow end extension surrounding the end portion of the carrier bar and forming a protective ferrule therefor, the front wall of said ferrule being open to the inner end of the ferrule to receive a tuft-tube carrying strip, a spool bearing bracket detachably secured to the ferrule, and suspension means separately and detachably secured to the ferrule, substantially as described.

1,590,673. FUSING CLIP FOR BIFOCAL LENSES. GEORGE A. CLEMENT, Mount Vernon, N. Y., assignor to Dualuxe Company, Inc., a Corporation of Delaware. Filed Aug. 13, 1925. Serial No. 50,084. 6 Claims. (Cl. 49—14.)

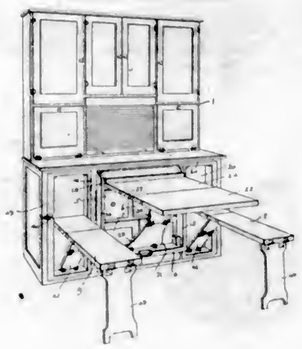
1. For fusing bifocal lenses composed of a major lens and a segment fused on a seat formed in the surface of the major lens, means for holding the parts while fusing comprising a supporting block for the major lens, and a U-shaped segment-positioning member adapted to span the block with its intermediate portion and frictionally engage the sides of the block with its ends and having its middle portion upwardly arched for a width less than that of a segment.

6. For fusing bifocal lenses composed of a major lens and a segment fused on a seat formed in the surface of the major lens, means for holding the parts while fusing comprising a supporting block for the major lens, and an arch-shaped segment-positioning member adjustably carried by the block and arranged to rest upon the top of the block near one edge thereof.

1,590,674. EXTENSION CABINET. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Nov. 22, 1924. Serial No. 751,504. 3 Claims. (Cl. 45—51.)

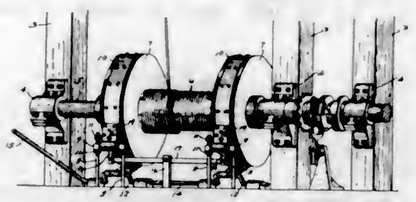
1. In a cabinet a drawer member mounted on a sliding frame and adapted when extended to hinge down on

said frame, a folding furniture device collapsible within said drawer and adapted to be extended from the down-folded drawer, and a bracing strut angularly disposed



under said furniture device when unfolded hinged at one end to the device and at the other end to the inner front wall of said drawer.

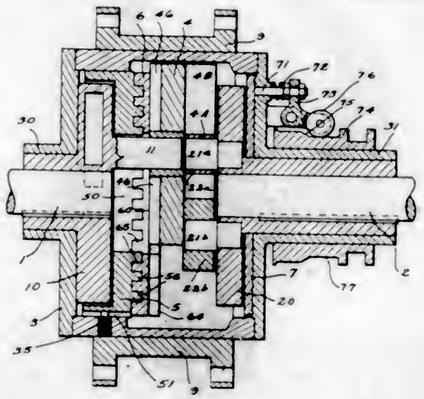
1,590,675. DRAW-WORKS BRAKE MECHANISM. ARTHUR H. DAVIS, Long Beach, Calif. Filed Apr. 23, 1923. Serial No. 634,019. 2 Claims. (Cl. 188—77.)



1. In a draw works, the combination of a hoisting drum provided with a brake having two brake bands, means secured to the ends of the bands to adjustably pull and tighten the latter, an equalizing anchor secured to a stationary support and to the other ends of said bands so as to take any pull upon the latter, and safety means connected to each brake band adjacent said anchor and to a stationary support, said means being normally loosely secured to said bands and arranged to engage and hold the latter upon their being released from said anchor.

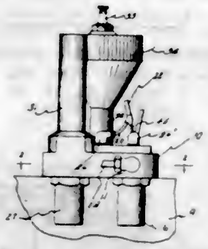
1,590,676. REVERSIBLE CLUTCH MECHANISM. ENSLEY J. DONCASTER, Raymond, Wash., assignor to American Manufacturing & Sales Co., Raymond, Wash., a Corporation of Washington. Filed Oct. 18, 1924. Serial No. 744,397. 15 Claims. (Cl. 74—14.)

1. In combination with a driving and a driven shaft, a crank pin upon and revoluble about said driving shaft, a pair of diametrically opposed crank pins upon and revoluble about said driven shaft, a member engageable by said first crank pin for bodily movement about the axis of the driving shaft, means operable to maintain said member against rotation about its own axis, and



said member being engageable with said pair of crank pins to give them, in revolving about the driving shaft axis, rotary movement in a reverse direction.

1,590,677. MOTOR. WILLIAM FALCON, Warren, Mich. Filed June 22, 1925. Serial No. 38,627. 4 Claims. (Cl. 123—25.)

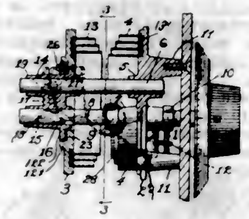


1. An attachment for internal combustion engines of the class described, comprising a base having a substantially U-shaped channel formed therein; means for conducting fuel into said channel; means for conducting moisture into said channel; means for conducting air into said channel; a dome mounted on said base and an upwardly extending tubular member communicating with said channel and communicating with said dome, said dome being adapted for positioning in communication with the cylinder of the engine.

1,590,678. CONDENSER FOR ELECTRIC CIRCUITS. WARREN FUHRMANN, Westfield, N. J., assignor to The Furnell Manufacturing Corp., Newark, N. J., a Corporation of New Jersey. Filed Apr. 7, 1925. Serial No. 21,299. 7 Claims. (Cl. 250—41.)

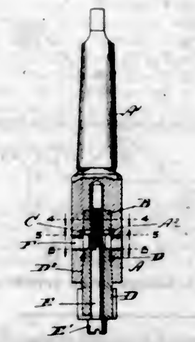
1. An electric condenser comprising two carriers, a capacitance element mounted on each said carrier each composed of a single flat strip curved in the general form of an evolute coil, a shaft mounted on one carrier inside of the coil, a sleeve on the other carrier inside of

the coil by which it is slidable on said shaft to cause said elements to interleave, a second shaft rotatably mounted in said first carrier without endwise movement



therein, a bearing in the second carrier inside of the coil in which the second shaft is movable, and means arranged to effect reciprocation of said carriers by oscillation of the shaft.

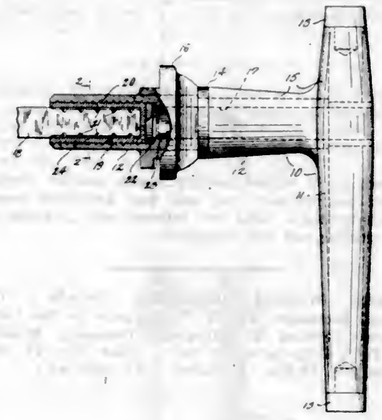
1,590,679. COUNTERBORING TOOL. EMIL GAIRING, Detroit, Mich. Filed May 23, 1924. Serial No. 715,465. 3 Claims. (Cl. 77—58.2.)



3. In a device of the character described, the combination of a cutter and a holder therefor, said holder consisting of a single piece and provided with a socket having a plurality of flat walls at its inner portion, said cutter having a shank fitting the socket and provided with a projecting portion having a plurality of flat faces fitting the flat walls of the socket and holding the cutter against relative movement, a nut removably lodged in the socket and having flat faces fitting the flat faces of the said socket, and a bolt passing centrally through the cutter and having an enlarged head at its outer end to engage the outer end of the cutter and having a threaded inner portion engaging the nut.

1,590,680. MEANS FOR CONNECTING LATCH HANDLES AND SHANKS. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 4, 1923. Serial No. 678,386. 1 Claim. (Cl. 292—348.)

In a door handle, a shank having a longitudinal opening leading from one end thereof, the surface of the interior walls of said opening having recesses therein, a spindle extending into said opening and having recesses



in the exterior surface thereof, and an integral mass of hard vulcanized rubber between said surfaces and filling said recesses to secure the spindle to the shank.

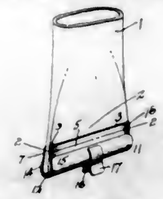
1,590,681. DRILLING HEAD. MAX HANFF, Berlin, Germany, assignor to the Firm Alwin Berger, Berlin, Germany. Filed Oct. 27, 1921, Serial No. 510,964, and in Germany Feb. 5, 1921. 1 Claim. (Cl. 74—56.)

In a dental drill, a drilling head including in combination, a dust proof casing formed of a single piece of rigid material and having the form of an elbow, shafts journalled through the ends of the casing and having the adjacent end portions arranged at right angles and positioned at the bend of the casing, intermeshing gears on the adjacent ends of the shafts and within the casing, the casing being provided with an aperture in one side adjacent the bend thereof and adjacent the point of engagement of the gears to permit of oiling of the gears, the apertures being relatively small so that cleansing and control of the drive is possible while it is impossible to take the drive apart or alter the relative position of the intermeshing teeth of the gears and a removable cover the edges of which are arranged in overlapped engagement with the edges of the aperture for closing the aperture and maintaining the casing dust proof.

1,590,682. RECEPTACLE CLOSURE. WILLIAM P. HART, Southbridge, Mass. Filed Oct. 29, 1924. Serial No. 746,694. 1 Claim. (Cl. 150—3.)

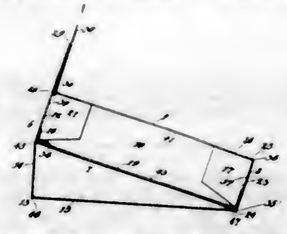
A receptacle closure comprising in combination with a flexible receptacle having laterally separable sides, a U-shaped metallic member having a pair of normally parallel extending side portions arranged to clamp op-

posite sides of said receptacle together, said member having extended end portions bent towards each other for providing a sealing zone for said receptacle and a



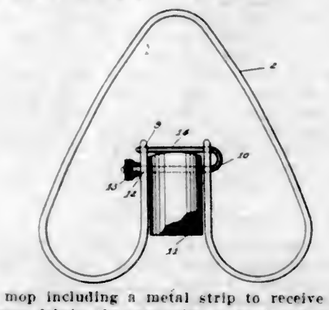
correspondingly shaped metallic clamp member arranged to slide longitudinally over said first mentioned member for maintaining a tight seal between said U-shaped metallic member and said receptacle.

1,590,683. DISPLAY CONTAINER. GEORGE N. HELFRICH, Richmond Hill, N. Y., assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y., a Corporation of Ohio. Filed Nov. 21, 1925. Serial No. 70,526. 2 Claims. (Cl. 206—44.)



2. A blank adapted to be bent to form a container comprising a container top portion, container end portions at each end of the container top portion and integral therewith, a container front portion integral with and on one side of the container top portion, a container bottom portion integral with and on the other side of said container front portion, a container back portion integral with and on the other side of the container top portion, and a portion integral with and on the other side of the container back portion and adapted to be bent downwardly to form a standard and forwardly to form a base to incline the container, and to be reversed to form an outer back and outer cover for the container.

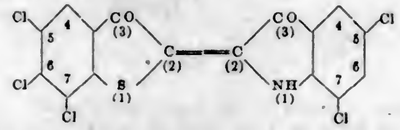
1,590,684. MOP-FRAME STRUCTURE. OSCAR PAUL DOMINIQUE HENDRICK-COLLETTE, Brussels, Belgium. Filed Apr. 2, 1924, Serial No. 703,811, and in Belgium May 5, 1923. 2 Claims. (Cl. 15—229.)



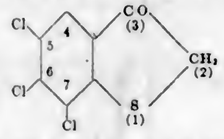
1. A mop including a metal strip to receive and support a mop fabric, the respective ends of said strip being arranged in spaced parallel relation and each formed with two spaced openings, a U-shaped bolt inserted through the openings of the strip ends, one of the branches of said bolt being utilized as a handle support, and a handle engaging said support, the remaining branch of the bolt serving as a stop for the handle in its pivotal movement on the support.

1,590,685. VIOLET VAT DYESTUFFS OF THE 2-THIONAPHTHENE-2-INDOLINDIGO SERIES. RICHARD HERZ and WALTER BRUNNER, Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 11, 1926, Serial No. 87,676, and in Germany Nov. 6, 1924. 10 Claims. (Cl. 260—53.)

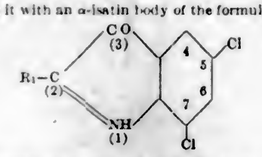
5. As a new compound a violet vat dyestuff of the 2-thionaphthene-2-indolindigo series corresponding probably to the formula:



which is when dry a violet powder, soluble in cold concentrated sulfuric acid to a bluish black, in warm concentrated sulfuric acid to a bluish green solution, which is separated therefrom in violet flakes, yielding with alkaline hydrosulfit an orange vat, from which cotton and wool is dyed in brilliant bluish violet shades of an excellent fastness, especially to light, which dyestuff is substantially identical with the dyestuff obtainable from



by condensing it with an α-isatin body of the formula:

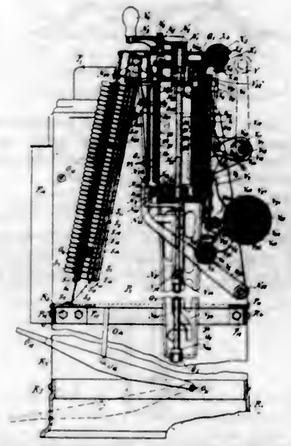


wherein R_1 means a halogen or an arylido group.

1,590,686. METHOD OF SEWING TWO ARTICLES TOGETHER. JENS HÖLTERMAND, Aarhus, Denmark. Filed Nov. 4, 1919, Serial No. 335,605, and in Denmark Nov. 14, 1918. 1 Claim. (Cl. 112—262.)

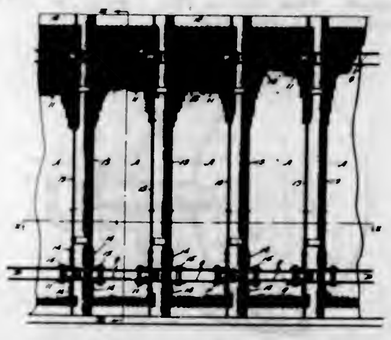
A method of sewing two members together, which includes the step of passing a double thread through the members to cause the thread to form a noose on one side of the members, pulling said noose downward around the two members to a point adjacent the original thread on the other side of said members, thus forming two thread portions, pulling said thread portions to one side and forming a loop therein while holding the two thread portions at another point, pulling the parts between the held portions and the looped portion through the loop to form a knot, and severing the thread portions forming the knot from the remaining thread.

1,590,687. DEVICE FOR COUNTING ARTICLES OF DIFFERENT KINDS. JENS HÖLTERMAND, Aarhus, Denmark. Filed Jan. 10, 1924, Serial No. 685,415, and in Czechoslovakia July 26, 1923. 7 Claims. (Cl. 235—91.)



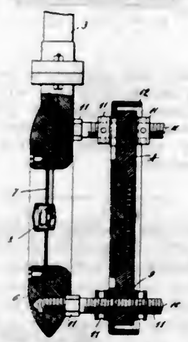
1. A device for counting articles of different kinds or groups, comprising a plurality of mutually independent counting units corresponding to the different kinds or groups of articles to be counted respectively, a set of keys each of which correspond to one of said counting units only, an actuating member common to all of the said counting units and adapted to be selectively adjusted to operate any desired counting unit, and operating means serving to adjust the said actuating member in operative position relative to the counting unit corresponding to any depressed key and to cause the actuating member to shift such counting unit.

1,590,688. LIQUID SCREEN FOR INDUSTRIAL PURPOSES. EPHRAIM HONEYMAN, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 10, 1924. Serial No. 755,108. 5 Claims. (Cl. 210—175.)



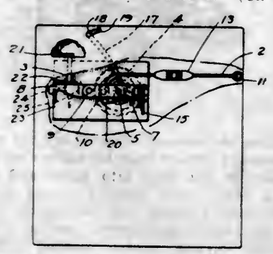
1. In an articulated liquid screen, the combination of a pair of chains the links of which are formed of relatively deep, separated, side bars united by connecting pins, the side bars being cut away on their upper edges near one end of each link, screen units each supported by the corresponding links of the opposite chains, the said units resting directly upon the upper edges of the side bars of opposite links, and one end of each unit being curved and extended so as to be overlapped by the end of the next adjacent link, the said curved ends of the screen units lying in the spaces formed by cutting away the side bars of the links, the overlapping portions of the screen units coming close together and the curved portions being shaped to permit articulation of the screen units without opening joints between them.

1,590,689. SOUND SCREEN. FRANK LLOYD HOPWOOD, London, England, assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed July 7, 1920, Serial No. 394,542, and in Great Britain Dec. 11, 1918. 6 Claims. (Cl. 181—0.5.)



2. A baffle for use with underwater sound detecting means comprising a plate-like body having a tightly closed chamber containing a plurality of small loose bodies of solid material and which are of similar size and shape, said chamber also containing a quantity of liquid, there being space in said chamber unfilled by said liquid and said loose bodies.

1,590,690. AUTOMATIC DOOR CLOSER AND LOCK. WILLIAM B. HUAD, Mukilteo, Wash. Filed Nov. 9, 1925. Serial No. 67,898. 5 Claims. (Cl. 70—14.)

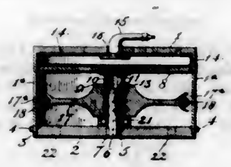


1. In a device for closing and locking doors or the like, a plurality of levers mounted on a suitable casing, a rod attached to one of the said levers and also to the interior of a frame in which the door may be mounted, said levers being arranged so that inner end of the said rod will pass below a center as the door closes to positively lock the said door until the inner end of the said rod is moved above the center, resilient means for operating the levers to close the said door and means for locking the said operating levers in either the open or closed positions.

1,590,691. SPRING RETARDER. HENRY IZARD, Mobile, Ala. Filed Aug. 1, 1925. Serial No. 47,513. 3 Claims. (Cl. 267—10.)

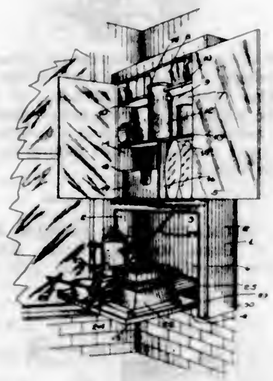
1. In a device of the character described, the combination with the frame and axle, of a flexible connection between said parts for resisting the movement of said

parts in a direction away from each other; a pulley rotatably mounted on one of said parts with one end of the flexible connection wound around said pulley, and the other end of the flexible connection secured to the other of said parts; a compressed air chamber having a movable wall; a rubber bag mount-



ed in said chamber and adapted to press against said wall; a threaded standard movable with said wall, said pulley having threaded bearing on said standard and adapted to be rotated by the movement of the standard toward the pulley, whereby to impart a yielding tension to the flexible connection.

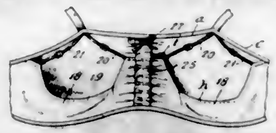
1,590,692. KITCHEN CABINET. VARNUM S. LEWIS, Philadelphia, Pa. Filed Jan. 5, 1924. Serial No. 684,572. 7 Claims. (Cl. 45—16.)



1. A portable kitchen cabinet adapted for wall attachment, comprising a hollow body having a closed bottom, a partition dividing the body into upper and lower compartments, a front panel member hinged to the lower part of the body portion and serving as a combined closure for the lower compartment and as a support for electric cooking devices, electric cooking devices rigidly secured to the upper side of the panel member and adapted to be folded back into the cabinet when the panel serves as a closure, and an electric circuit held closed by said panel when it is in open or horizontal position.

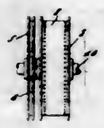
1,590,693. BRASSIÈRE. ELVIRA CAMPA MCKEEFREY, Brooklyn, N. Y., assignor to Model Brassiere Co., Inc., New York, N. Y., a Corporation of New York. Filed June 2, 1925. Serial No. 34,300. 5 Claims. (Cl. 2—42.)

1. A brassière adapted to encircle the body of the wearer in the bust region, comprising an outer section of pliable material, fastening means for securing the same in place, adjusting means located at the front along the vertical medial line of said brassière for adjustably gathering the same in vertical directions, bust supporting pouches having permanent pouch form, located upon the inside of said outer section and extending in opposite directions from said adjusting means, said pouches opening upwardly for receiving the busts and being sub-



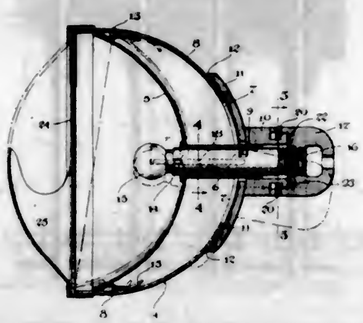
ject to adjustment by said means, and supporting devices extending from the pouches to said outer section for suspending said pouches therefrom without interfering with the aforesaid adjustment thereof.

1,590,694. SYNCHRONIZING DEVICE. WILLIAM W. MCLAREN, Birmingham, Ala. Filed Feb. 10, 1922. Serial No. 535,640. 1 Claim. (Cl. 88—16.2.)



In a device for producing synchronism between projection and dialogue, spaced shafts each of which is rotatable, first and second drums fixed to each shaft for simultaneous rotation therewith, a film engaged at its ends with the first drums, and a metallic ribbon engaged at its ends with the second drums, the ribbon being differently magnetized throughout its length, the first and second drums being spaced apart transversely on each shaft, and each drum being provided on both edges with flanges which engage both edges of the film and of the ribbon respectively, the construction being such as to prevent the edges of the ribbon and of the film, positively, from overlapping, thereby to render the ribbon and the film, each, freely removable, during projection, independently of the other, and to render the adjacent inner edges of the film and the ribbon accessible.

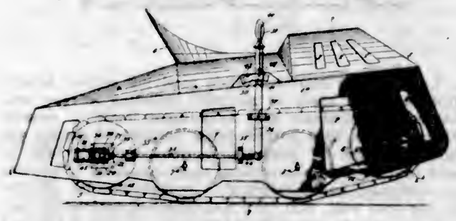
1,590,695. AUTOMOBILE HEADLIGHT. CARROLL H. MONTAGUE, Richmond, Va., assignor to Saf-De-Lite Company, Inc., Philadelphia, Pa., a Corporation of Virginia. Filed Dec. 6, 1923. Serial No. 678,955. 3 Claims. (Cl. 240—41.)



1. A vehicle lamp comprising a casing, a reflector adjustable in any direction in said casing, said reflector having an extended sleeve threaded at its free end secured thereto, a bulb socket longitudinally adjustable in said sleeve, said socket also being threaded at one end, a nut adapted to be screwed on the threaded end of said sleeve for adjusting said reflector and a second nut

adapted to be screwed on the threaded end of said bulb socket and adapted to fit over the end of said sleeve nut for adjusting said bulb socket longitudinally and means for locking said nuts when the desired position is obtained.

1,590,696. VELOCIPEDE. SCOTT W. ORR, Chelsea, Mass. Filed May 20, 1924. Serial No. 714,712. 2 Claims. (Cl. 208—42.)

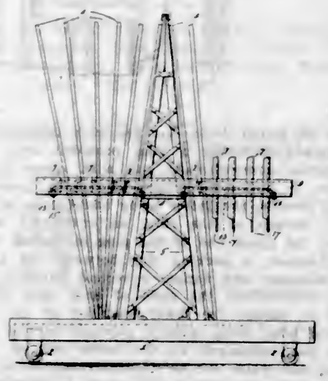


1. In a machine of the kind described, a body and movable means for supporting it comprising traction belts and means for moving said traction belts comprising sprocket wheels and means for rotating them and means for changing the speed of said sprocket wheels independently.

1,590,697. MANUFACTURE OF TITANIC AND ZINC COMPOUNDS. PIERRE PIPEREAUT and ANDRÉ HELBRONNER, Paris, France. Filed Nov. 21, 1923, Serial No. 676,177, and in France Nov. 25, 1922. 2 Claims. (Cl. 134—58.)

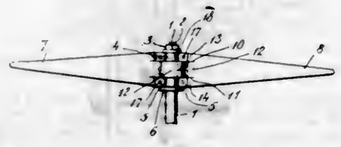
1. A process for manufacturing white pigments by a dry process, wherein dry titanic sulphide obtained in a known manner from ilmenite is mixed with dry $ZnSO_4$, the mixture being heated to red heat and calcinated within a closed oven.

1,590,698. DRYING RACK. FREDERICK S. RAY, Pembroke, Mass. Filed Jan. 6, 1925. Serial No. 905. 4 Claims. (Cl. 34—26.)



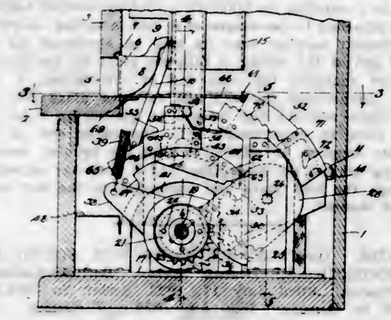
1. In a drying rack, the combination of a base member adapted to support a number of drying units arranged on end, side rails arranged alongside the units, means for supporting the side rails from the base member, fingers carried by the side rails, and means for supporting the fingers whereby each may be moved to have and maintain a down-turned operative position with extension beyond the inner face of the rail carrying the finger or an up-turned inoperative position with extension inside the outer face of the rail.

1,590,699. AERONAUTICAL PROPELLER. SYLVANUS A. REED, New York, N. Y., assignor to The Reed Propeller Co. Inc., New York, N. Y., a Corporation of New York. Filed May 12, 1924. Serial No. 712,647. 10 Claims. (Cl. 170—173.)



1. An aeronautical propeller having blades and a central part to which said blades are connected, said central part being provided with strips displaced outwardly in alternately opposite directions to provide an axially disposed socket and constructed and arranged to receive between them a hub member and a non-circular hub member mounted in said socket.

1,590,700. VENDING MACHINE. LEWIS D. ROBERTS, York, Pa. Filed Sept. 16, 1925. Serial No. 56,694. 7 Claims. (Cl. 194—85.)

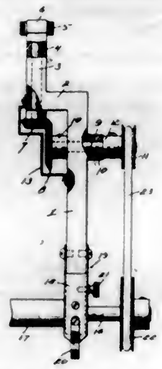


1. In a vending machine the combination with a magazine, of an ejector cooperating therewith, a train of gears, cooperating means upon one of the gears and the ejector movable into engagement with each other during the actuation of the gears to lock the ejector against complete movement, and means controlled by the insertion of a check or coin for actuating the ejector to prevent cooperation of said locking means.

1,590,701. TAKE-UP. CHARLES A. SCHEAFFER and WILLIAM MCK. SHEIPE, Pottsville, Pa. Filed Mar. 14, 1925. Serial No. 15,485. 2 Claims. (Cl. 66—148.)

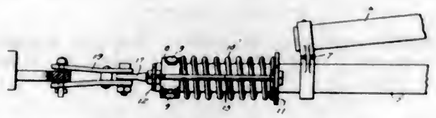
1. In a take-up device of the class described, a recessed hanger, a pivoted latch carried by said hanger and disposed adjacent said recess, said latch being provided with

a removable block adapted to fit into said recess forming a bearing for the journal of a take-up roll, means for retaining said latch in operative position, said hanger



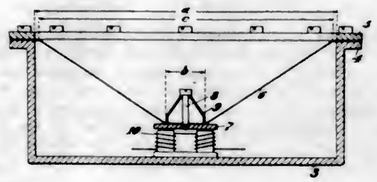
embodying an angular portion, shafts mounted upon said hanger, intermeshing gears carried by the shafts, and a gear housing carried by said hanger.

1,590,702. COUPLING FOR TRACTORS. EMMITT Y. SCOTT, Swainsboro, Ga. Filed Apr. 29, 1925. Serial No. 26,711. 3 Claims. (Cl. 280—33.9.)



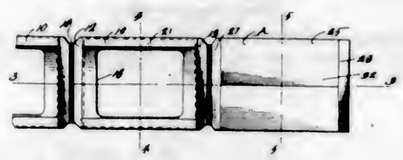
1. In a coupling for tractors, a tubular member adapted to be attached to the tongue of a load, a spring encircling the tubular member near its end, an abutment for the outer end of the spring, a follower plate on the tubular member engaging the rear end of the spring, a lead plate, connections between the follower plate and the lead plate whereby the tension of the spring holds the lead plate in engagement with the outer end of the tubular member, an element within the tubular member bearing against the lead plate, and a draw-bar extending through the lead plate and connected to the last mentioned element.

1,590,703. OSCILLATORY BODY FOR SOUND REPRODUCTIONS. GEORG SEIBT, Berlin-Schoneberg, Germany. Filed July 17, 1923, Serial No. 652,117, and in Germany Dec. 18, 1922. 6 Claims. (Cl. 181—31.)



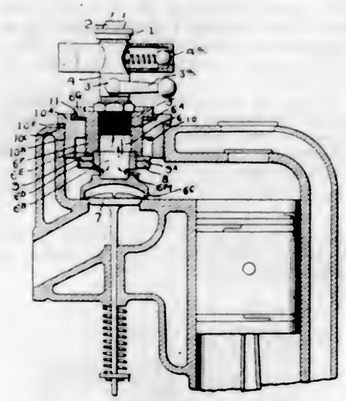
1. The combination with a thin conical diaphragm having a non-conical portion; of a member having surface contact with one face of said non-conical portion, an opposed hollow member having marginal contact with the opposite face of said nonconical portion and means passing through said diaphragm and tightly clamping both members to the diaphragm.

1,590,704. LANTERN-SLIDE CARRIER. WILLIAM J. SEMELROTH, Westfield, Wis. Filed Dec. 19, 1924. Serial No. 756,985. 2 Claims. (Cl. 88—26.)



1. In a slide carrier, a slide receiving section formed from a single sheet of material including a rear wall having its terminals bent back upon itself to provide hinge barrels, said barrels being notched to permit the interconnection of different sections together, one of said bent back terminals being bent outwardly to provide an end wall and forwardly in spaced parallel relation to the rear wall, said rear wall and last mentioned wall being provided with aligned sight openings, and top and bottom walls formed on the rear wall engaging the last mentioned wall.

1,590,705. AIR PUMP. CHARLES ADAMS SIMPSON and ILTYD CUNLIFFE VIDAL, Dunedin, New Zealand. Filed Apr. 9, 1923. Serial No. 630,914 6 Claims. (Cl. 123—198.)

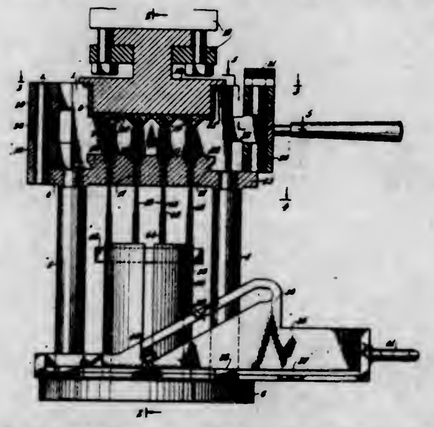


6. An air pump device for use with internal combustion engines including a ring provided with internal and external screw-threads and with upper and lower shoulders, a hollow plug provided with internal and external threads, the latter being adapted to engage the internal threads of the ring, an outwardly extending flange at the upper end of the plug extending over said upper shoulder, a packing ring between the last mentioned shoulder and flange, a second packing ring arranged intermediate the ends of said plug and being adapted to engage the lower shoulder of the threaded ring, said plug being axially movable in the threaded ring, a hood arranged at the lower end of the plug to cover the valve of an internal combustion engine, said plug being provided with slots to permit its interior to communicate with the combustion chamber of an engine, a conduit having a threaded extension engaging the internal threads of the plug, an air inlet valve for said conduit, and a discharge pipe connected to the conduit.

1,590,706. BRIQUETTE. HUGH MCCURDY SPENCER, Newark, N. J., assignor to Seydel Chemical Company, a Corporation of West Virginia. Filed Jan. 17, 1923. Serial No. 613,290. 4 Claims. (Cl. 44—1.)

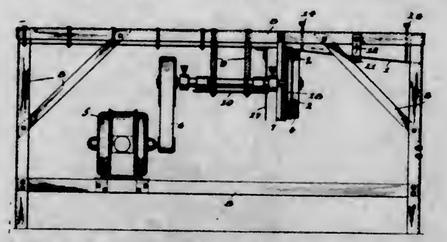
1. The method of making briquettes which comprises subjecting fibrous material to combination, and then subjecting the comminuted material to the action of an acid phosphate and heat.

1,590,707. APPARATUS FOR MOLDING TUBULAR INSULATORS. FREDERICK R. SUNDERMAN, Newburgh, N. Y., assignor, by mesne assignments, to James D. Lacey, New York, N. Y. Filed Sept. 20, 1922. Serial No. 589,300. 3 Claims. (Cl. 49—81.)



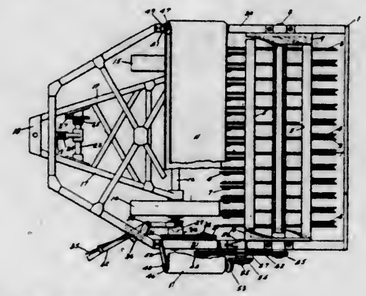
3. In apparatus for molding tubular insulators, the combination of a mold containing cavities adapted, together with suitable cores, to form tubular articles, and a cavity for surplus material connecting with adjacent ends of all said first named cavities, a plunger adapted to enter said last named cavity and to force plastic or molten material into said mold cavities, cores for said first named cavities, a metallic member carrying said cores, and exposed to the atmosphere, and means for moving the same to insert said cores into and withdraw them from said first named cavities, said metallic member being of large mass and surface area relatively to said cores.

1,590,708. BACON-SKINNING MACHINE. CHARLES W. SWANSON, Ottumwa, Iowa, assignor to John Morrell & Co., Ottumwa, Iowa. Filed Dec. 15, 1925. Serial No. 75,557. 2 Claims. (Cl. 146—130.)



1. In a bacon skinning machine having a support for the bacon, a suitable cutting edge for removing the skin, and adjustable means for varying the thickness of the skin portion removed by the cutting edge comprising means for pivotally suspending the support, and means arranged to bear upon opposite ends of the support for changing the angular relation thereof with respect to the cutting edge.

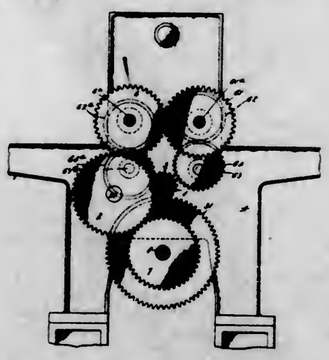
1,590,709. FLAX-PULLING MACHINE. ROBERT L. TAYLOR, Portland, Oreg. Filed Mar. 24, 1922. Serial No. 546,312. 11 Claims. (Cl. 55—66.)



1. A flax pulling machine comprising in combination a rotatable set of spaced coaxial disks, a plurality of movable gripping members mounted between said disks and aligned in rows, common means for each row of gripping members for successively opening and closing the same with clamping effect against the disks, and means for operatively presenting said disks and gripping members to flax growing afield.

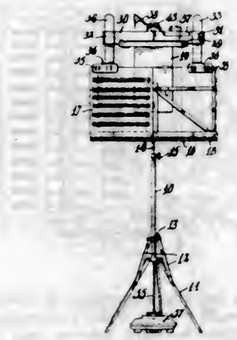
7. A flax pulling machine comprising the combination with a carriage, a supporting wheel, and a rotative horizontal shaft on the carriage operatively connected with said wheel, of a series of rotative disks on said shaft, a series of transversely movable members cooperative with said rotative disks, respectively, with gripping effect, and means for effecting operative transverse movement of said movable members through rotation of said shaft, said means consisting of reciprocatory bars fixed to the individuals of a series of said movable members and working through bearing apertures provided for them in the rotative elements, and means for imparting reciprocatory movements in opposite direction to said bars through said rotation of said shaft.

1,590,710. DRAWING FRAME. HARRY TUNSTALL, Fair Haven, Mass., assignor to Alsatian Machine Works, Limited, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 14, 1923. Serial No. 674,708. 2 Claims. (Cl. 19—116.)



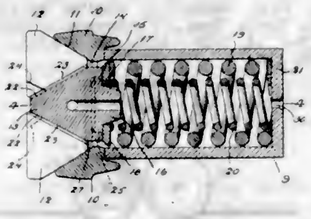
1. In a combing machine, a combing cylinder shaft having an elliptical gear at each end, a power shaft also having an elliptical gear in mesh with one of said first-named elliptical gears whereby power is applied to rotate said combing cylinder and a fourth elliptical gear in mesh with the other elliptical gear on said combing cylinder shaft, said last-named elliptical gear carrying a bevel gear, and a draw box shaft also carrying a bevel gear in mesh with said first-named bevel gear.

1,590,711. AUTOMATIC MUSIC-SHEET TURNER. MICHAEL V. VENTRELLA, Bronx, N. Y. Filed May 29, 1925. Serial No. 33,617. 2 Claims. (Cl. 84—516.)



2. In a music sheet turner, a sheet holder with associated fastening means comprising a plurality of adjacently positioned frame bars foldable at the center, the rear one of said frame bars being formed with means for fastening to a support, the front faces of each of the other frame bars being formed with pockets, sleeves formed near the outer edges of said frame bars, and vertically arranged bars slidable in said sleeves, the lower ends of said vertically arranged bars being formed with sheet gripping means, whereby each vertically arranged bar may be individually adjusted to accommodate sheets of different heights resting with their lower edges on the same support base.

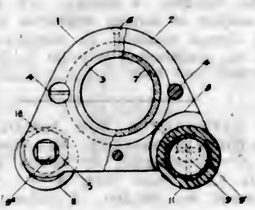
1,590,712. FRICTION DRAFT GEAR. EDMUND H. WALKER, New York, N. Y. Filed Aug. 7, 1924. Serial No. 730,667. 6 Claims. (Cl. 213—26.)



1. In a friction draft gear, a friction box having inclined surfaces, a barrel engaged with the box, outer wedge blocks engaged within the box and having inclined surfaces contacting with the inclined surfaces thereof, a central wedge block located between and in engagement with the outer wedge blocks, a spring plate within the barrel engaging the central wedge block, springs within the barrel engaging said spring plate, and removable means positioned between cooperating portions of the friction box and central wedge block and normally limiting outward movement of the central wedge block with respect to the friction box.

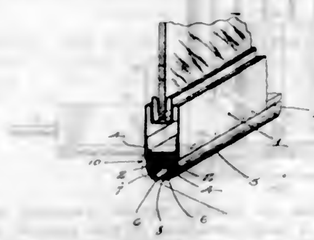
1,590,713. ADJUSTABLE ROLLER BEARING. CHARLES ZARKIN, New York, N. Y. Filed May 2, 1924. Serial No. 710,515. 4 Claims. (Cl. 101—348.)

3. In a device of the class described, an ink roll spindle, two body members mounted on the spindle, said body members having interior channels and bushings to enclose the spindle and enlarged lower portions and rollers carried thereby, means to adjust the position of the



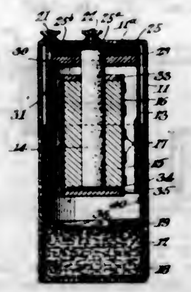
rollers, the said body members also having means to rigidly hold the two members together after the adjustment of the rollers.

1,590,714. WEATHER STRIP OR BUFFER FOR WINDOW SASHES. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 11, 1925. Serial No. 55,764. 4 Claims. (Cl. 20—69.)



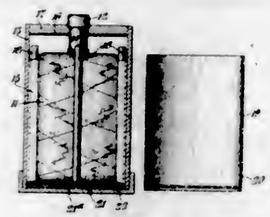
3. A weather strip for the lower rails of window sashes comprising a semi-cylindrical body arranged with its base toward the edge of the sash, the body being formed with a lengthwise tubular passage and with a radial slit opening from said passage through the apex of the semi-cylindrical surface.

1,590,715. BATTERY CELL. SERGE APOSTOLOFF, New York, N. Y., assignor to Portable Electric Current Patents Co., a Corporation of Delaware. Filed Oct. 10, 1918. Serial No. 257,651. 26 Claims. (Cl. 136—113.)



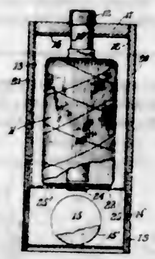
1. In a battery cell having electrode elements and an electrolytic mass, an outer container therefor, and means for supporting one of said electrode elements upon said container out of contact with said mass during cell inactivity.

1,590,716. DRY CELL. SERGE APOSTOLOFF, New York, N. Y. Filed Nov. 28, 1919. Serial No. 341,215. 1 Claim. (Cl. 136—113.)



In a dry cell of the type described, a bobbin electrode suspended within a cup-shaped inverted container of non-conducting material, means between the bobbin and the container to hold the bobbin in the central position, said means comprising longitudinal spacing rods and a supply of electrolytic paste, an insulating disc secured upon the bottom of said bobbin, a layer of paraffin located below said insulating disc and forming a bottom closure for said container, and a zinc cup-shaped electrode fitting the inside of said container and adapted to be inserted upwardly therein to surround the bobbin and activate the cell.

1,590,717. DRY CELL. SERGE APOSTOLOFF, New York, N. Y. Filed Dec. 2, 1919. Serial No. 341,847. 7 Claims. (Cl. 136—113.)



2. In a dry cell of the type described, a zinc electrode, a carbon electrode, a separator for the zinc and carbon electrodes comprising a disc, said disc having portions of its circumference cut away.

1,590,718. VAT SULPHIDE DYES. FRITZ BALLAUF FRIEDRICH MUTH and ALBERT SCHMELZER, Elberfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Filed Jan. 16, 1925. Serial No. 2,927, and in Germany Jan. 24, 1924. 9 Claims. (Cl. 260—19.)

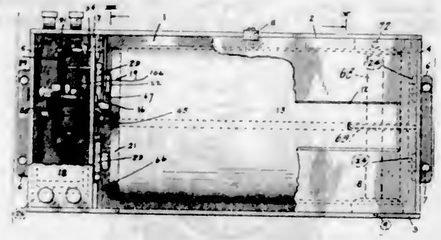
1. The process of producing vat sulphide dyes which consists in submitting to the sulphur fusion carbazolic-acid-arylid-indophenols.

1,590,719. SPECTACLE AND LIKE JOINT. EDWIN BARNES, Sheffield, England. Filed Oct. 2, 1922. Serial No. 591,908, and in Great Britain Oct. 19, 1921. 4 Claims. (Cl. 88—53.)

3. In the joint of a spectacle or eye-glass eye-wire adapted to grip the edge of the lens, the combination of a bracket secured to one end of the eye-wire, a projection on the other end thereof comprising a part integral with the eye-wire formed by bending the latter with a casing around the projection and a securing member

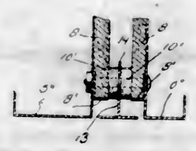
adapted to engage both the bracket and the projection in a plane transverse to that of the lens, substantially as specified.

1,590,720. ANNUNCIATOR. ORIN BENNETT, San Francisco, Calif., assignor of one-fourth to Peter Freedette and one-fourth to Hubert McL. Armistead, both of San Francisco, Calif. Filed Dec. 22, 1922. Serial No. 608,508. Renewed Nov. 21, 1925. 2 Claims. (Cl. 40—59.)



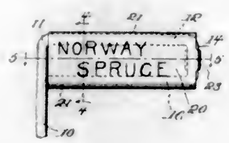
1. An annunciator comprising a housing, rolls journalled in said housing, a web secured at each end to one of said rolls, pawl and ratchet means for actuating said rolls to effect a step by step movement of said web to successively expose portions thereof through a window in said housing, manually operated means for selectively engaging a pawl with either of said rolls to determine the direction of travel of said web, automatic means, responsive to the movement of said web, whereby said engaged pawl will disengage and the other pawl engage when said web is unrolled to either of its ends, and means, responsive to a reciprocating movement, for actuating said pawl and ratchet means.

1,590,721. COMBINED STOVE AND CABINET INTERCONNECTING MEANS. WALTER H. BODURTHA, Delaware, Ohio, assignor to Sunray Stove Company, Delaware, Ohio. Filed Dec. 31, 1925. Serial No. 78,618. 2 Claims. (Cl. 126—1.)



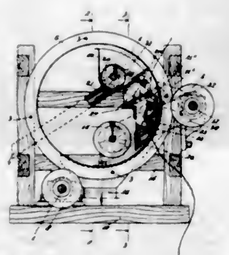
2. In a combined stove unit and cabinet unit wherein the same are disposed in adjacent end wall spaced relation, heat insulating strips disposed upon the adjacent sides of said end walls, means for interconnecting the end walls in spaced relation for providing an air channel therebetween, and a T-shaped strip adapted to be disposed between the end walls at the front side thereof for substantially closing the space therebetween.

1,590,722. PLANT MARKER. GEORGE A. BRAKMEIER, Louisville, Ky. Filed Sept. 18, 1925. Serial No. 57,226. 3 Claims. (Cl. 40—10.)



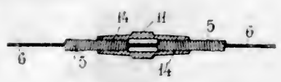
1. A marker, comprising a standard including a handle portion, and a marking plate formed with flanges on opposite edges thereof and formed with a tongue, said flanges and tongue engaging the edges of the handle portion.

1,590,723. SEED SELECTING AND CLEANING MACHINE. OTTO BUNSE, Hesperinghausen, near Niedermarsberg, Germany, assignor to Fritz Bunse, Braunschweig, Germany. Filed Apr. 20, 1923. Serial No. 633,543, and in Germany Mar. 7, 1923. 8 Claims. (Cl. 209—95.)



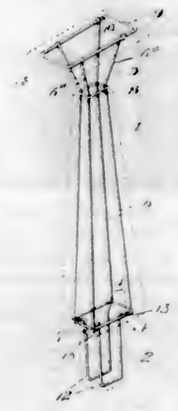
1. A seed selecting and cleaning machine, comprising a drum, pockets on the inner face of the wall of the drum, means for imparting rotary motion to the drum, a conveyor within the drum, and means lying within the charge to be selected and retaining the charge so that the whole charge slides upon the inner pocketed surface of the drum and strikes off the projecting grains from the pockets, and permits of the immediate filling of the pockets with small undesirable grains.

1,590,724. FLEXIBLE TRANSMISSION. ETTORE CARETTA, Turin, Italy. Filed Mar. 18, 1925. Serial No. 16,527, and in Italy Mar. 24, 1924. 7 Claims. (Cl. 74—39.)



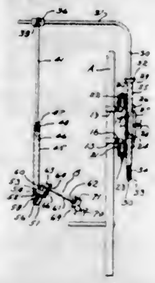
1. A flexible transmission comprising an inner flexible cord, sections of a wire coil sheath embracing said cord, means for fastening the ends of said sheath sections on stationary parts, means for adjusting the total sheath length and means for engaging said cord with parts to be connected therewith said engaging means providing for the free respective rotation of said cord and members connected therewith and comprising parts carried by said members, freely embracing said cords and abutment parts fastened on said cord to engage said embracing parts in the direction of the cord length.

1,590,725. LETTER-BOX POST. HARRY COATES, New Orleans, La., assignor to Homer Calvin Busby, New Orleans, La. Filed Apr. 29, 1925. Serial No. 26,721. 3 Claims. (Cl. 72—85.)



1. In a device of the class described, the combination of a metal frame formed from a plurality of ribs, each rib of substantially U-shaped structure and including outwardly flared upper ends and inwardly extending lower portions, said inwardly extending lower portions terminating in U-shaped portions, a base link engaging the inwardly extending lower portions, a neck link engaging the ribs contiguous to their outwardly flared portions, a head link fastened to the upper ends of the outwardly flared portions of the ribs, and composite means or plastic material surrounding the entire frame.

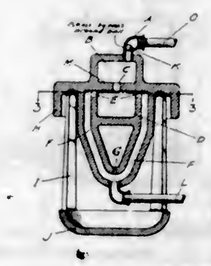
1,590,726. ADJUSTABLE SUPPORTING DEVICE. BERNHARD CORSGREN, New York, N. Y. Filed July 18, 1921. Serial No. 485,695. 5 Claims. (Cl. 45—82.)



1. A device of the character described comprising in combination an article carrier, a guide transversely disposed on a primary support, a wheeled carriage translatable along said guide straddling the latter from the outside thereof, means formed with said carriage enclosing the wheels thereof, an element attached to the carriage between its wheels on the side remote from said means, and a member adjustably connected to the carrier and to said element.

1,590,727. OIL BURNER. FRANCES M. DAUGHERTY, Manteca, Calif. Filed Mar. 22, 1923. Serial No. 626,959½. 1 Claim. (Cl. 158—53.)

A hydrocarbon burner comprising a primary and a secondary vaporizing chamber lying immediately adjacent one another and separated by a diaphragm having a center orifice communicating from one chamber to the other, the walls of the secondary chamber having opposed outlets closely adjacent the diaphragm whereby gas generated in the first chamber will discharge through the diaphragm orifice and strike the opposite end of the

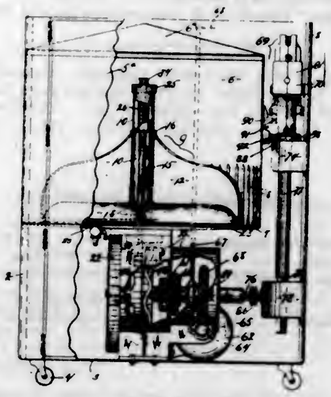


secondary chamber and be expanded and flow evenly out of the opposed outlets, and a manifold communicating with the opposed outlets and having a common discharge outlet at a spaced distance from the secondary chamber and discharging thereagainst.

1,590,728. MANUFACTURE OF YELLOW AZO DYESTUFFS. AUGUST DORRER, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed Jan. 4, 1926. Serial No. 79,241, and in Germany Feb. 25, 1924. 3 Claims. (Cl. 260—96.)

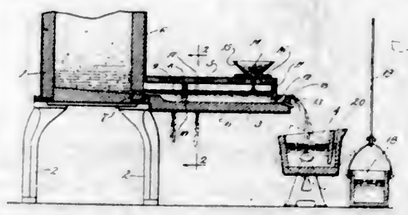
3. As new articles of manufacture, the yellow azo dyestuffs which are nitro derivatives of the azo dyestuff obtainable from para-chlor-aniline-meta-sulfonic acid and diphenylamine.

1,590,729. WASHING MACHINE. JOHN J. DOSSERT and EDWIN E. GREAVES, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 28, 1921. Serial No. 448,459. 18 Claims. (Cl. 68—19.)



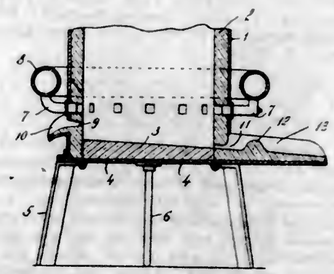
1. In a washing machine, a tub, a plunger mounted in the tub to reciprocate vertically therein, and to rock about a vertical axis, and mechanism for consecutively reciprocating the plunger and rocking it about its vertical axis when the plunger is down between the reciprocations thereof, substantially as and for the purpose described.

1,590,730. METHOD OF DESULPHURIZING IRON. GEORGE S. EVANS, Oak Park, Ill., assignor, by mesne assignments, to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Apr. 23, 1924. Serial No. 708,410. 15 Claims. (Cl. 75—27.)



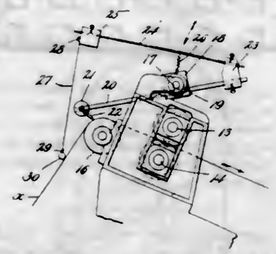
11. The process of desulphurizing iron which consists in melting said iron, passing the molten iron through an elongated hearth in contact with a fused soda ash reagent, and retarding the passage of said molten iron through said hearth while in contact with said reagent.

1,590,731. REFINING OF IRON. GEORGE SEPTIMUS EVANS, Oak Park, Ill. Filed May 9, 1925. Serial No. 29,053. 9 Claims. (Cl. 75—27.)



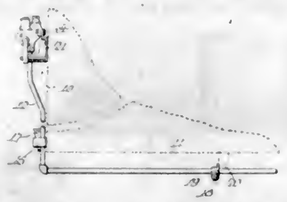
1. The improvement in the operation of foundry cupolas which comprises adding to the charge of metal, coke and limestone, a regulated amount of dense aggregated sodium carbonate, such sodium carbonate being added near the center of the charge, and carrying out the melting operation with the resulting production of a thinly fluid slag.

1,590,732. MANUFACTURE OF GUMMED STRIPS. BENJAMIN G. BUNDY, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Original application filed Nov. 23, 1925, Serial No. 70,887. Divided and this application filed Feb. 25, 1926. Serial No. 90,481. 8 Claims. (Cl. 93—56.)



1. The method of making scored stay strip material, consisting in subjecting a coating of dry gum carried by the body of the material to a progressively effected line of pressure tending to crush the dry gum without weakening the body of the material.

1,590,733. PRESSURE-RETAINING VALVE HOLDER AND PIPE ANCHOR. RICHARD W. BURNETT, Chicago, Ill. Filed Dec. 6, 1923. Serial No. 679,048. 10 Claims. (Cl. 303—1.)

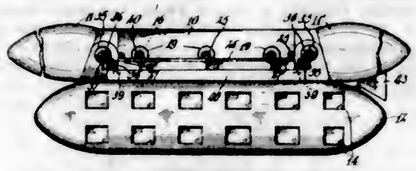


1. In a combined pressure retaining valve holder and pipe anchor, the combination with a plate adapted to be secured to a fixed support, said plate having means thereon arranged for accommodation of certain parts of said retaining valve whereby said parts may be clamped to said plate to support said valve; of an arm projecting from the plate, said arm having an opening therethrough to accommodate the passage of the pipe; and means for clamping the pipe within said opening.

1,590,734. RECEPTACLE FOR CONTAINING POWDER PUFFS AND POWDER FOR TOILET PURPOSES. WILFRID HENRY CALNAN, London, England. Filed June 19, 1925, Serial No. 38,232, and in Great Britain June 4, 1924. 5 Claims. (Cl. 132—82.)

1. In combination, a receptacle; a supporting ring in the upper part of the receptacle; an intermediate dish shaped ring hinged and resting on said supporting ring; a sleve secured in said intermediate ring; a pair of widely spaced ears mounted fast on said supporting ring; a pin passed through said ears; an ear mounted fast on said intermediate ring and pivoted on said pin midway between said spaced ears, whereby the intermediate ring is hinged on the supporting ring; and a cover resting on said intermediate ring and provided with ears pivoted on said pin between the ears of the supporting ring and the ear of the intermediate ring.

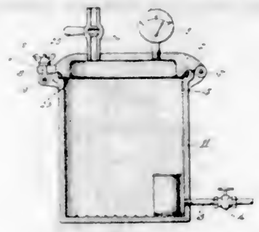
1,590,735. PROPELLING MECHANISM FOR AIR NAVIGATORS. ANTONIO CHIARELLI, New York, N. Y. Filed May 29, 1925. Serial No. 33,615. 8 Claims. (Cl. 244—6.)



5. In an air craft propelling and manœuvring system, a body, water conduits on said body, floats in said conduits, a solenoid actuated by said floats to shift the center of gravity, and a motor and propeller wings for allowing a steering of the craft at an angle to the horizontal toward above or below.

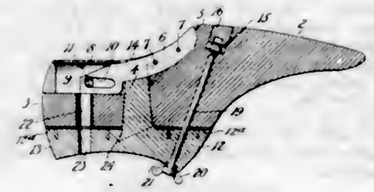
1,590,736. METHOD OF TESTING FILLED AND CLOSED CANS. BERTON S. CLARK, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed July 10, 1919. Serial No. 309,938. 3 Claims. (Cl. 73—51.)

1. The process of treating cans after processing and closing for detecting leaks, which comprises permitting the sealed processed cans to cool, subjecting said can to external air pressure in excess of the pressure within



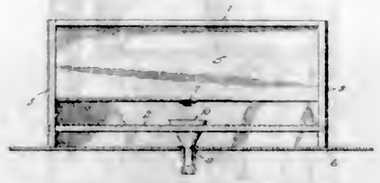
the cans, and relieving said cans from said external pressure and thereby causing a strong outward pressure of air within the cans.

1,590,737. LAST. DAVID ROBERT COOPER, Ultimo, near Sydney, New South Wales, Australia. Filed Mar. 14, 1925, Serial No. 15,472, and in Australia Sept. 4, 1924. 3 Claims. (Cl. 12—136.)



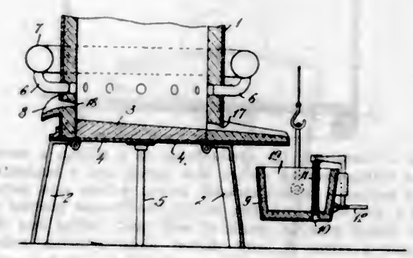
1. A last comprising a fore part, a connecting plate secured to and extending rearwardly from said fore part, said plate having a tapered slot at its rear end, a heel part having a recess slidably accommodating the slotted end of said connecting plate, a hinge pin on the heel part passing through said tapered slot and a detachable intermediate part slotted to fit over said connecting plate.

1,590,738. TUB. BENJAMIN HARRISON DARROW, Chicago, Ill., assignor to The Sanitabl-Tub Company, Alliance, Ohio, a Corporation of Ohio. Filed Sept. 14, 1925. Serial No. 56,223. 2 Claims. (Cl. 4—173.)



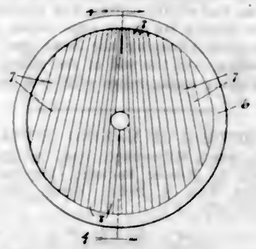
1. A bath tub comprising two end walls, a longitudinal side wall secured thereto, the adjacent longitudinal side being closed by a tub of less width and depth than the width of the longitudinal wall, but of its full length, the remaining two sides of the device remaining open, that side of the device closed by the tub having a longitudinal seat adjacent the tub, the longitudinal side wall occupying a horizontal position so as to be used as a table top when the device is resting on its opposite side.

1,590,739. PURIFICATION OF IRON. GEORGE S. EVANS, Oak Park, Ill., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Apr. 10, 1925. Serial No. 22,047. 11 Claims. (Cl. 75—49.)



1. An improved process for desulphurizing and refining iron which comprises maintaining a molten pool of the iron exteriorly of the melting furnace, supplying molten iron to the said pool and withdrawing refined iron therefrom, the additions and withdrawals of molten iron being correlated to maintain the said pool, maintaining an alkaline refining slag on the said pool of molten iron and supplying fresh alkaline refining material to said slag as the operation proceeds.

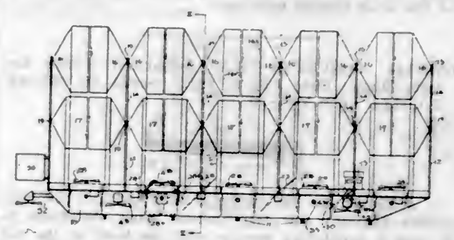
1,590,740. PANELED REFLECTOR. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Original application filed May 8, 1922, Serial No. 559,204. Divided and this application filed May 3, 1924. Serial No. 710,769. 5 Claims. (Cl. 240—41.)



1. A concave reflector symmetrical with respect to a vertical plane passing through the axis of the reflector and including a number of panels whose bounding edges are in a surface of revolution of a conic section, the medial lines of the panels being in planes which are parallel to the axis of the reflector but incline toward said vertical plane on one side of said axis, each panel departing from said surface of revolution to produce a reflecting surface which will deflect rays of light relative to a horizontal plane.

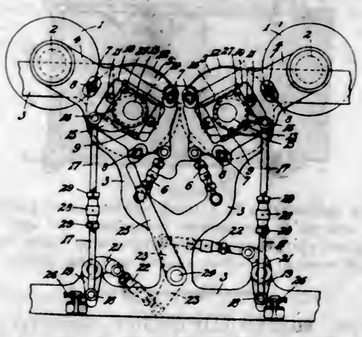
1,590,741. AIRSHIP. DAVID HOESA GOOD, Kansas City, Mo., assignor of one-third to David C. Lane, Kansas City, Mo. Filed Oct. 10, 1925. Serial No. 61,738. 14 Claims. (Cl. 244—7.)

1. In combination in an airship; a longitudinal series of carrying gas bag elements; a longitudinal series of transverse structural frame elements as anchors for said gas bags; a longitudinal cage means carried from said structural frame elements; a plurality of propeller elements in the central longitudinal axis of the airship; a



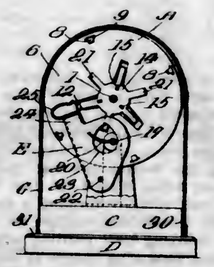
plurality of plane elements in the central axis of the air ship; a plurality of propeller elements on either side of the cage elements of the airship.

1,590,742. ROTARY WEB OFFSET PRINTING MACHINE. BENJAMIN JOSEPH JOHN GOULDING, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a British Company. Filed June 30, 1924, Serial No. 723,084, and in Great Britain July 12, 1923. 8 Claims. (Cl. 101—218.)



1. In a rotary web offset printing machine, the combination with a printing couple and a forme cylinder contacting with one member of the couple, of means operative to adjust said last named member angularly about and radially towards and away from the axis of the forme cylinder without disturbing the latter.

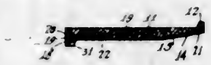
1,590,743. TOY MOTION-PICTURE MACHINE. HARRY S. HANSTINE, Meadville, Pa., assignor of one-half to J. F. Albert, Sharon, Pa. Filed May 16, 1925. Serial No. 30,758. 11 Claims. (Cl. 88—18.)



1. A device for animating pictures or the like, comprising a rotatable drum carrying a strip of pictures, means to rotate the drum intermittently, means to lock

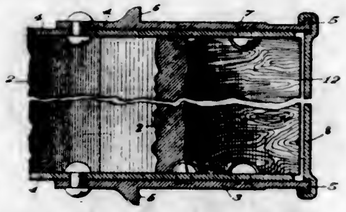
the drum after each movement thereof, and said locking means being pivotally mounted and actuated intermittently by the drum driving means for intermittently locking the drum against movement.

1,590,744. CONCRETE TILE. ARTHUR G. HATCH, Duluth, Minn. Filed July 3, 1922. Serial No. 572,363. 2 Claims. (Cl. 108—10.)



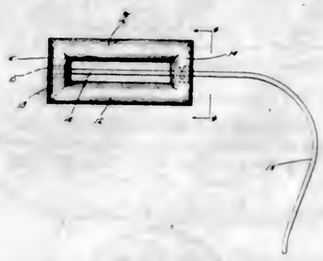
1. A tile or the like having a body portion, the body portion adjacent one edge thereof being chamfered to fit upon a supporting surface with the body of the tile in angular relation to the surface, and grooves for the passage of moisture extending through said chamfered bearing portion.

1,590,745. TRUCK BOLSTER. HENRY A. HERNDON and FREDERICK H. RIESTER, Chicago, Ill., assignors to The Bradford Corporation, Chicago, Ill., a Corporation of Delaware. Filed Nov. 20, 1925. Serial No. 70,305. 4 Claims. (Cl. 105—229.)



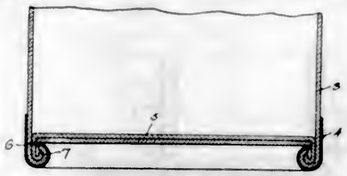
1. In combination in a truck bolster, an end reinforcement secured to the bolster comprising two side plates and an end plate connected by interlocking joints for independent removal of either one of said side plates.

1,590,746. BOBBED-HAIR HOLDER. GEORG PAUL HOPPMANN, Brooklyn, N. Y. Filed Jan. 9, 1925. Serial No. 1,371. 1 Claim. (Cl. 132—48.)



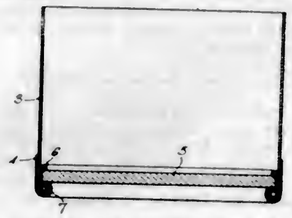
A hair holder comprising a rectangular frame formed of parallel integral bars, a pair of hinge ears on one of said bars, a recessed lug on the opposing bar, an additional flexible bar pivotally mounted between said hinge ears, said frame being curved longitudinally forming a space between the flexible bar and frame, one end of said flexible bar being hinged to said ears, said frame being curved longitudinally forming a space between the flexible bar and frame, said flexible bar extending longitudinally and coursing to a position where it enters the recessed lug, the remaining length of said additional bar being curved downwardly and inwardly to lie snugly on the side of the head in the region of the ear and partly encircle the latter.

1,590,747. CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Filed Jan. 22, 1923. Serial No. 614,060. 1 Claim. (Cl. 229—5.6.)



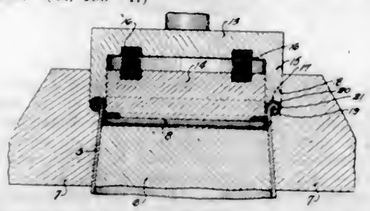
In a container, the combination of a siding, a metal band fitting over an end of said siding and a laminated head having a dished member fitting within said siding and a flat member fitting within the flanged portion of said dished member, parts of said band, siding and the flanged portion of said dished member being rolled inwardly into clamping engagement with said flat member of said head.

1,590,748. REENFORCED CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Filed Jan. 22, 1923. Serial No. 614,061. 5 Claims. (Cl. 229—5.6.)



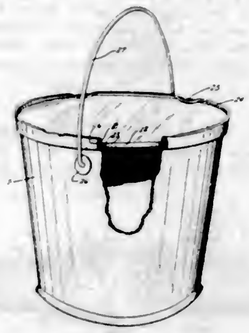
1. In a container, the combination with a head, of siding within which the head fits, and a metal sheathing fitting over an end of the siding and receiving the head within it and having its inner edge rolled over to form a supporting bead engaging the head and having that portion extending over the end of the siding rolled therewith into clamping engagement with said head.

1,590,749. METHOD OF MAKING CONTAINERS. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Filed Nov. 8, 1924. Serial No. 748,792. 1 Claim. (Cl. 153—1.)



The method of forming a container closure in which a head is carried between the flanges of a clamping band and fits within the siding of the container, which consists in positioning the head between the flanges of the band and within the siding of the container, clamping said siding against longitudinal movement with respect to the head, putting the flanges of said clamping band under pressure to clamp them to the head, and with said siding and head so clamped bending the outer portion of the band and the siding adjacent thereto upon itself in a confined space into a crimped headed edge adjacent said head.

1,590,750. METHOD OF MAKING CONTAINERS. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Filed Oct. 10, 1925. Serial No. 61,851. 3 Claims. (Cl. 153—1.)



1. The method of making the head-securing mouth of a fibre container, which consists in placing a sheet-metal band having a flat inner ring portion and an outer depending portion about the top of the siding so that the flat inner ring portion rests upon the top of the siding and projects inwardly therefrom and the outer depending portion surrounds the siding, then bending the flat ring portion over the upper edge of said siding and forcing this bent-over portion and the edge of said siding laterally and thereafter further offsetting the banded edge of the siding laterally and simultaneously bending the band into engagement with both sides of the siding to form a reinforced shouldered recess adjacent the top of the siding.

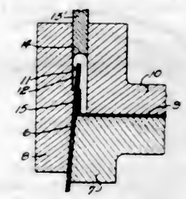
1,590,751. FIBER CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 10, 1925. Serial No. 61,852. 4 Claims. (Cl. 229—5.7.)

1. A reinforced fiber container comprising siding, a head fitting within said siding, a metal reinforcing and head-securing band having a base ring portion abutting the head and a convolute portion, a part of said siding extending beyond the head and bent over the head against the base portion of said band with its free end clamped between the convolute portion of said band.

1,590,752. FIBER CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 12, 1925. Serial No. 62,629. 2 Claims. (Cl. 229—5.7.)

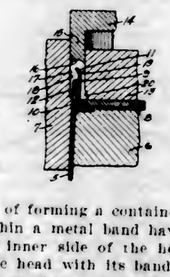
1. In a fiber container, the combination with the fiber siding and the fiber head, of a sheet-metal band having spaced flanges receiving the head and a part extending from the inner edge of the outer flange and extending over a part of the siding projecting over the head.

1,590,753. METHOD OF MAKING REENFORCED CLOSURES. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 23, 1925. Serial No. 64,473. 3 Claims. (Cl. 153—1.)



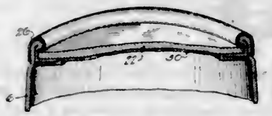
1. The method of forming a reenforced fibre container which consists in inserting a dished head member within a siding and bending an edge part of the siding against the flanged portion of this dished member, inserting a disk head member within the bent-over edge of the siding and against said dished head member, positioning a metal band within the bent-over edge of the siding, and exerting pressure on said band to clamp it over said bent-over edge and against the disk head member.

1,590,754. METHOD OF MAKING CONTAINER CLOSURES. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 26, 1925. Serial No. 64,999. 2 Claims. (Cl. 153—1.)



1. The method of forming a container closure in which the head fits within a metal band having a flange abutting against the inner side of the head which consists in positioning the head with its band within the siding of the container so that a part of the siding extends above the head, clamping said siding adjacent the head, the head and the flange portion of the band against movement, and with the parts thus clamped bending in a confined space that portion of the band and siding near the head over the head and the outer end portions of the siding and band into a beaded edge adjacent the head.

1,590,755. REENFORCED-FIBER CONTAINER CLOSURE AND METHOD OF MAKING THE SAME. EDWIN F. HULBERT, Milwaukee, Wis., assignor to The Master Package Corporation, Owen, Wis., a Corporation of Delaware. Filed Oct. 26, 1925. Serial No. 65,090. 2 Claims. (Cl. 229—5.7.)

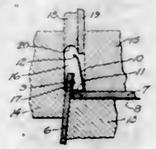


1. In a container, the combination of tubular fiber siding having an end portion with a return bend and an inwardly extending annular flange, a head seating against said flange and fitting within the turned-over end portion of said siding, and a metal band clampingly engaging the extended ends of said siding and the head.

1,590,756. DISHED-HEAD CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 26, 1925. Serial No. 65,001. 8 Claims. (Cl. 229—5.7.)

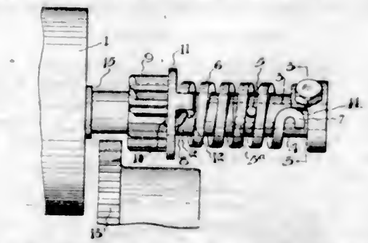
1. In a container, the combination with the siding, of a dished head fitting within the siding and a flange portion extending beyond the outer side of the disk portion of said head, said flange portion and a part of said siding being bent laterally inwardly over said head, and a metal band clamping said flange and the bent-over part of said siding in position and having a flanged base portion interposed between said bent-over parts and the disk portion of said head.

1,590,757. METHOD OF MAKING CONTAINERS. EDWIN F. HULBERT, Milwaukee, Wis., assignor to The Master Package Corporation, Owen, Wis., a Corporation of Delaware. Filed Dec. 23, 1925. Serial No. 77,286. 2 Claims. (Cl. 153—1.)



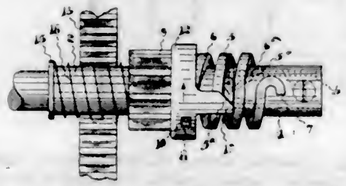
1. The method of making a reinforced fibre container which consists in clamping the siding of the container and a head in position, inserting the outwardly extending base flange of a sheet metal band within the siding, which band has a body portion inclining outwardly over that part of the siding extending beyond the head, then bending the outer portion of said band over the siding and forcing the extended edge of the siding laterally over the head, and then bending that portion of the band between the base and the extended edge of the siding against the base flange of said band.

1,590,758. ENGINE STARTER. MAUNSELL B. JACKSON, Toronto, Ontario, Canada. Filed Nov. 20, 1924. Serial No. 751,000. 2 Claims. (Cl. 74—7.)



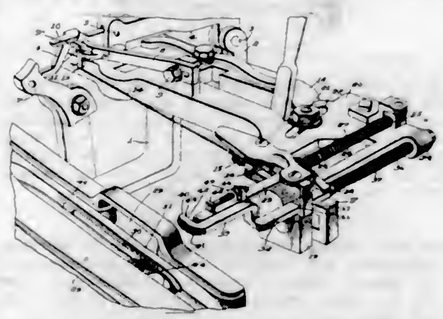
1. The combination with an internal combustion engine provided with a gear for revolving the crank shaft thereof, of starter mechanism including a shaft; a pinion freely carried on the shaft and normally out of mesh with the gear; a helical spring freely mounted on the shaft and having one end connected with the pinion and the other end provided with a hook normally unconnected with the shaft; a pin carried by the shaft for forming a threading engagement between the latter and the spring whereby the pinion will be axially moved in opposite directions by the rotation of the shaft or the pinion relative to one another, the pin being also adapted to engage the hook to form a rotary drive connection between the shaft and the pinion; and an abutment supported in the path of the pinion for engagement by the pinion to limit its axial movement in its gear meshing position, the pinion being adapted to engage the abutment before the pin engages the hook whereby the pin causes the spring to be compressed to assist its return movement.

1,590,759. ENGINE STARTER. MAUNSELL B. JACKSON, Toronto, Ontario, Canada. Filed June 2, 1925. Serial No. 34,490. 5 Claims. (Cl. 74—7.)



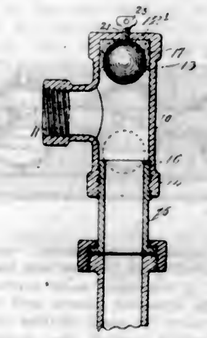
1. The combination with an internal combustion engine provided with a gear for revolving the crank shaft thereof, of starter mechanism including a shaft; a pinion freely carried on the shaft and normally out of mesh with the gear; a helical spring freely mounted on the shaft and having one end connected with the pinion; a projection carried by the shaft for engaging the convolutions of the spring to actuate it axially on the shaft to thus move the pinion into and out of mesh with the gear, the pinion being provided with an inclined shoulder adapted to engage the projection to draw the spring into engagement with the projection when the pinion is returning to its normal position.

1,590,760. FEELER MECHANISM FOR LOOMS. PATRICK KEEGAN, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 11, 1925. Serial No. 68,369. 11 Claims. (Cl. 139—270.)



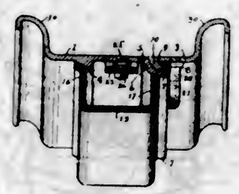
1. In a feeler mechanism for looms, the combination of a side slipping feeler normally free to partake of its side slipping movement, a feeler lock which is normally unlocked from the feeler to permit said side slipping movement and having a part which is moved relative to the feeler into locking engagement with the feeler by a surface within the shuttle on each detecting beat when a working supply of filling is present in the shuttle, and which fails to be moved into locking engagement with the feeler by the surface within the shuttle when the filling is substantially exhausted on a detecting beat, and means actuated by side slipping movement of the feeler to effect replenishment of filling.

1,590,761. SELF-CLOSING AND POSITIVE GAS CUT-OFF VALVE. HENRY KENNELL, New York, N. Y. Filed May 25, 1922. Serial No. 563,691. 4 Claims. (Cl. 137—162.)



3. A device for automatically cutting off the flow of gas, which comprises coupling members having seats, one of said seats serving to retain a ball potentially and the other serving as a seat adapted to be engaged by the ball to shut off the flow of gas, a ball cemented to one of said seats by readily fusible means, whereby said ball may be released at a predetermined temperature to be transferred to the gas shut-off seat, and a second member in the seat which retains the ball for dislocating said ball.

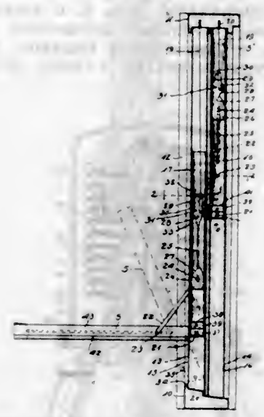
1,590,762. RIM. FRED R. KLAUS, Warren, Ohio, assignor to American Welding and Manufacturing Company, Warren, Ohio, a Corporation of Ohio. Filed Nov. 3, 1924. Serial No. 747,510. 9 Claims. (Cl. 301—35.)



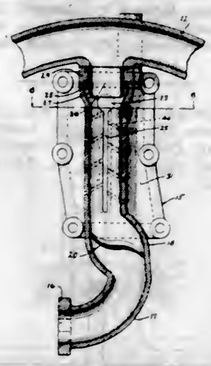
1. A demountable rim assembly comprising a one piece transversely split base member, a tire retaining flange formed on one edge portion of the base member and an outwardly opening annular channel formed along the other edge portion, the walls of said channel being obliquely disposed with respect to the plane of the wheel, the outer wall of said channel terminating radially inwardly of the tire seating surface of the base member, an endless side member having an inwardly extending flange at one edge adapted to be received in and substantially fill said channel and terminating adjacent the laterally inner side wall thereof, a tire retaining flange formed along the other edge portion of said side member, said side member being adapted to seat securely on the radially outer face of the outer wall of the channel.

1,590,763. WINDOW STRUCTURE. WILLIAM J. KLEMM, Chicago, Ill., assignor to Ruda Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed October 7, 1925. Serial No. 60,947. 9 Claims. (Cl. 20—49.)

1. In a window structure, the combination of a window frame having upright side channels, runners slidable in said channels, a window sash pivoted to said runners for swinging movement thereon, brake shoe structures on said runners, window weights and chords therefor connected with said brake shoe structures and tending to move said structures into frictional engagement with the window frame whereby to prevent sliding movement of said runners, said runners, and means controlled by the swinging movement of said sash for preventing operation of said brake shoe structures when said sash is in closed position and for releasing said structure for operation when the sash is swung to open position.



1,590,764. VAPORIZER. HAROLD S. LAMB, Los Angeles, Calif. Filed Aug. 16, 1924. Serial No. 732,419. 6 Claims. (Cl. 48—180.)



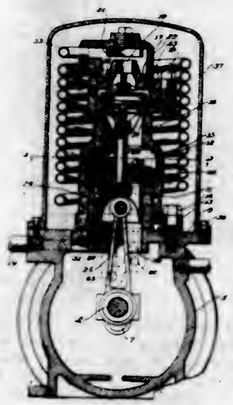
1. A vaporizer comprising a conduit for a vaporous fuel mixture, means arranged along the inner surface of the conduit for trapping fuel particles in the vapor, a device in communication with the conduit for vaporizing the fuel particles comprising a chamber associated with the conduit, a plate covering the chamber against which the fuel particles are vaporized, means for heating the plate and means for permitting the vapor so formed to mingle with the vaporous fuel mixture previously formed.

1,590,765. PROCESS FOR MOLDING ARTICLES. OSCAR LINDER, Chicago, Ill., assignor to Ideal Roller and Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1919. Serial No. 338,419. 2 Claims. (Cl. 18—53.)

1. The process of molding resilient articles which consists in vulcanizing fatty oils at room temperature

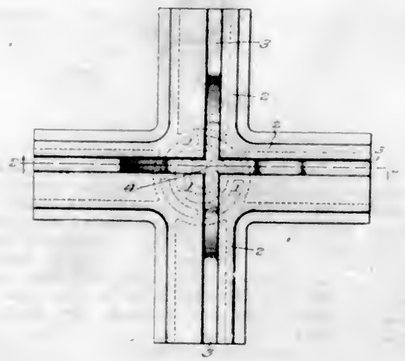
under pressure for the purpose of retaining the greater portion of the air and gas cells in the article and reducing the size thereof sufficiently so that they will not be detrimental to the finished product.

1,590,766. COMPRESSOR. CARL E. L. LIPMAN, Beloit, Wis., assignor to Lipman Refrigeration Company, Beloit, Wis., a Corporation of Delaware. Filed Jan. 12, 1924. Serial No. 685,743. 8 Claims. (Cl. 230—6.)



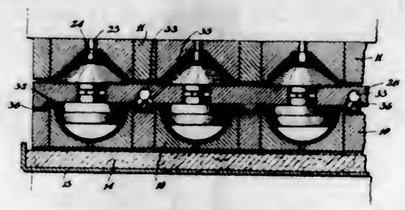
1. In a compressor, the combination of a crank case provided with an upwardly extending cylindrical crosshead guide, a cylinder block comprising a base surrounding said guide and secured to the crank case, a suction passage formed by opposed grooves in said guide and cylinder block, and means operable within said block for compressing the medium entering through said passage.

1,590,767. RAILWAY CROSSING. WILLIAM T. MCNINCH, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 30, 1924. Serial No. 735,156. 6 Claims. (Cl. 246—464.)



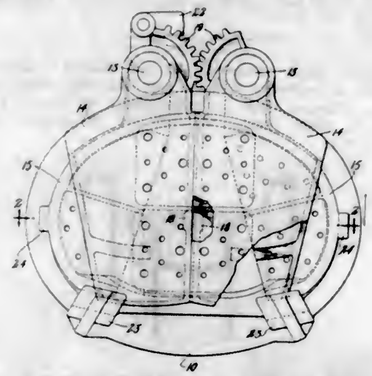
3. A railway crossing having a tread portion interrupted by an intersecting flangeway, and having said flangeway at a greater depth immediately adjacent the point of intersection than at points remote therefrom, and having such depth gradually merge from the greater into the lesser dimension.

1,590,768. MOLD FOR MAKING HOLLOW RUBBER ARTICLES. JEREMIAH L. MAHONEY, New Haven, Conn., assignor to The Canfield Rubber Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 21, 1923. Serial No. 681,905. 9 Claims. (Cl. 18—19.)



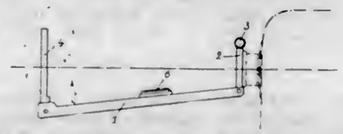
5. A molding apparatus comprising opposed frames movable with relation to each other and having registering mold cavities, a removable mold carrier adapted to be held between the aforesaid frames, said carrier having mold members to enter the mold cavities of both frames, an air duct arranged behind the mold cavities to relieve the pressure, and an air duct in the carrier to admit air pressure to the cavities.

1,590,769. FURNACE DOOR. FREDERICK W. MARTIN, Brooklyn, N. Y., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed May 16, 1924. Serial No. 713,687. 12 Claims. (Cl. 110—173.)



1. A fire box door comprising, in combination, a door pivot, and a plurality of sections mounted thereon and arranged to progressively uncover or cover the fire door opening.

1,590,770. DEVICE FOR PHOTOGRAPHING TITLES UPON CINEMATOGRAPHIC FILMS. ANDRÉ NOËL MERLE, Paris, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Jan. 17, 1925. Serial No. 2,970, and in France Feb. 2, 1924. 2 Claims. (Cl. 88—24.)



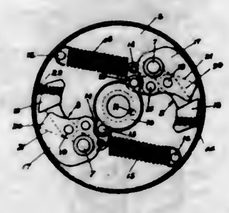
2. A device for photographing titles upon a film in place in a cinematographic camera provided with a lens comprising a flat shelf removably secured to an exterior part of the cinematographic camera in a substantially

horizontal position before the lens, a screen on which are inscribed the titles to be photographed and a frame adapted to hold said screen and hinged upon said flat shelf in such manner that the screen, when in vertical position, is in the field of the lens and, when folded down on said flat shelf, is out of the field of the lens and is then adapted to be used as a desk to inscribe the title to be photographed.

1,590,771. BUTTON FASTENING. HARRY WILLARD MILLER, Ann Arbor, Mich. Filed Sept. 10, 1924. Serial No. 736,881. 2 Claims. (Cl. 24—94.)

1. A button fastening comprising a button carrying disk having an aperture, a clamping plate having a hollow head extending through said aperture and expanded at its free end, and a second clamping plate having a hollow head nested and expanded in the head of the first plate to interlock said plates with fabric clamped therebetween, the head of the second plate being open at its base end whereby said head may be expanded within the head of the first plate by an expanding tool inserted therein at the base end thereof.

1,590,772. SPARK-ADVANCE GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. EDWARD MOORE, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Oct. 7, 1921. Serial No. 506,666. 7 Claims. (Cl. 264—16.)



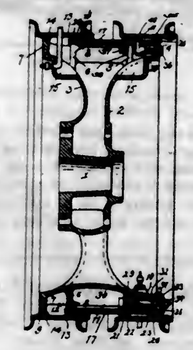
1. A governing mechanism including a part connected to a driving shaft and a part connected to a driven shaft, devices responsive to centrifugal force connected between said parts, said devices being provided with return springs, each of said devices consisting of two sections, one being wholly carried by the other and having relative movement with respect thereto, means for stopping the outward movement of one of said sections before the other thereby two appreciable stages of movement between the driving and driven member are obtained.

1,590,773. OIL-WELL UNDERREAMER. WILLIAM H. S. MOORE, Cleveland, Ohio. Filed May 31, 1922. Serial No. 564,791. 9 Claims. (Cl. 255—78.)

1. In a drilling tool, the combination with a body member, of cutters carried by said body member and movable laterally with respect thereto, a wedge block having a tapered lower end engageable with said cutters to force the same outwardly to working position, a spring acting to force the wedge block downwardly, and a

plurality of independently movable trip members each engageable with the well casing and adapted to actuate said wedge member in opposition to said spring.

1,590,774. MOTOR-VEHICLE WHEEL. WILLIAM H. S. MOORE, Cleveland, Ohio. Filed Oct. 20, 1923. Serial No. 669,645. 17 Claims. (Cl. 301—13.)

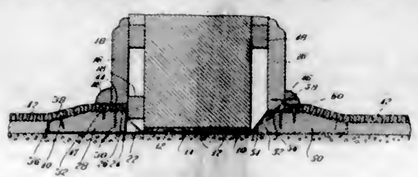


1. In a motor vehicle wheel of the double demountable rim type, the combination with the felloe portion of the wheel which has means along its inner edge forming a rim seat, of a felloe band adjustable laterally on the felloe portion toward and from said seating means, said band having means adjacent its inner edge for wedging engagement with the inner rim and other means thereon forming the inner seat for the outer rim, said band extending to the outer edge of the felloe portion and adapted to receive the retaining means for the outer rim.

1,590,775. FITTING. LOUIS M. NELSON, Jr., Evanston, Ill. Filed Feb. 2, 1925. Serial No. 6,368. 8 Claims. (Cl. 20—74.)

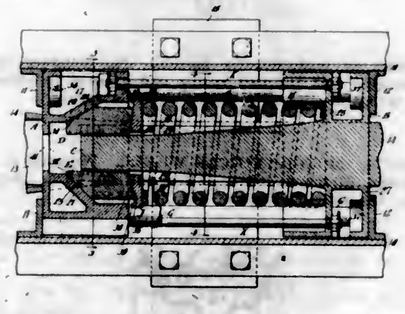
1. A building comprising two dividing structures forming a dihedral angle, one structure abutting the other, and the other being continuous past the abutting edge, a fitting embedded in the joint along the plane of abutment

and projecting at both ends therefrom, a long and a short tang at each end, a carpet strip overlying each long tang, the ends of the long tangs being wrapped around said



carpet strips and attached to the upper faces thereof, said short tangs extending diagonally to cover the inner edges of said carpet strips and being fastened thereto.

1,590,776. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Mar. 22, 1923. Serial No. 626,737. Renewed Dec. 26, 1925. 8 Claims. (Cl. 213—36.)

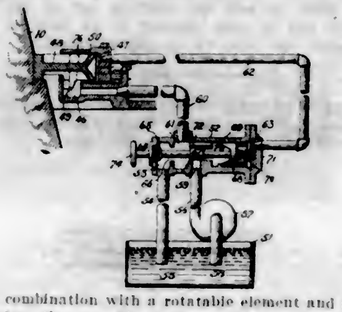


1. In a friction shock-absorbing mechanism, the combination with a central friction element; of a series of friction shoes co-operable with said element; a spring resistance; and a wedge pressure transmitting means co-operable with said shoes, said shoes and wedge pressure transmitting means having a plurality of co-acting sets of faces, part of which are arranged at a relatively keen wedge acting angle and others at a relatively blunt releasing angle.

1,590,777. STARTING MECHANISM FOR MANIFOLDING DEVICES. WALTER E. OLIVER, Woodcliff, N. J., assignor to Autographic Register Company, Hoboken, N. J., a Corporation of New Jersey. Filed Sept. 5, 1925. Serial No. 54,617. 2 Claims. (Cl. 271—2.6.)

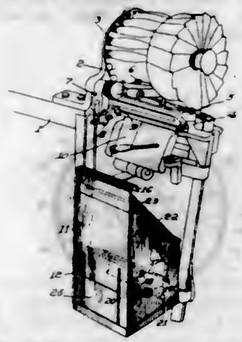
1. In combination, a roller, a shaft adjacent the roller, a member having a portion of its circumference adapted to cooperate with the roller mounted on said shaft, friction mechanism connecting said shaft and said member, and means carried by said member adapted to supplement said friction mechanism to cause said member to move into cooperation with the roller.

1,590,778. GYROSCOPIC STABILIZER FOR SHIPS. ALEXANDER E. SCHEIN, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 28, 1920. Serial No. 413,414. 8 Claims. (Cl. 280—9.)



1. The combination with a rotatable element and a casing therefor, the operating pressure therein being normally less than atmospheric pressure, of a circumferentially grooved member on said casing, an annular projection carried by said element and entering said grooved member, and means for supplying liquid to said member at less than atmospheric pressure, the amount of liquid flowing into said member being governed by the balance between the negative pressure within the casing and the pressure created by the centrifugal force of the rotating liquid.

1,590,779. FILLING-CARRIER RECEIVER FOR REPLENISHING LOOMS. WALLACE I. STIMPSON and ALFRED E. STAFFORD, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 12, 1926. Serial No. 87,779. 10 Claims. (Cl. 139—255.)



1. A filling carrier receiver for filling replenishing looms, comprising a receptacle or can to receive filling carriers on replenishment of filling, a flexible receiving apron dividing the receptacle or can into an upper and a lower compartment, and yielding means engaged with one end of the receiving apron to normally hold the apron taut and yet yield to permit the apron to flex or bend under the impact of an ejected filling carrier.

1,590,780. HAIRPIN. GEORGE M. TAGGART, Jr., and FRANK M. NICHOLS, Seattle, Wash. Filed Nov. 16, 1925. Serial No. 69,342. 1 Claim. (Cl. 132—50.)

A hair pin constructed of spring material having a materially greater width than thickness, said material being formed into a hairpin providing a loop at one end, and sinuous legs beyond the loop disposed with their broad surfaces in contact.

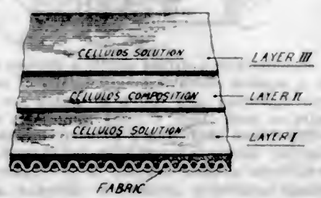
1,590,781. JEWELRY CLASP. CHARLES H. TATE, New Rochelle, and EDMUND R. NERELING, Woodhaven, N. Y. Filed Feb. 26, 1925. Serial No. 11,651. 6 Claims. (Cl. 24—221.)

1. A jewelry clasp including a pair of members having flat mating surfaces, a boss on one member adapted to enter an opening in the other, said boss having a slot therein, and a stud in the opening adapted to enter the slot, when the members are disposed at right angles to each other and to extend beyond the edges of the slot when the members are rotated into mating relationship, said members having chambers therein with openings for the entrance of a flexible device whereby the ends of the said flexible device may be concealed and secured inside of said members.

1,590,782. TRANSPARENT DOPE AND PROCESS FOR THE MANUFACTURE OF THE SAME. THEODORE FRANÇOIS TESSE, Paris, France, assignor to himself and Societe Nauton Freres & de Marsac, Paris, France. Filed June 24, 1918, Serial No. 241,686, and in France Feb. 7, 1918. Renewed Dec. 5, 1923. 12 Claims. (Cl. 134—79.)

12. A translucent to transparent dope for coating fabric aeroplane parts and the like, comprising a solution containing a cellulose ester of a fatty acid and a plasticizing agent therefor, together with a very finely divided insoluble but not substantially opaque solid "oxid compound" capable of increasing the tensioning effect in the fabric produced in the drying of said dope thereon.

1,590,783. AEROPLANE FABRIC AND PROCESS OF COATING THE SAME. THEODORE F. TESSE, Paris, France. Filed Dec. 12, 1922. Serial No. 606,493. 6 Claims. (Cl. 91—68.)



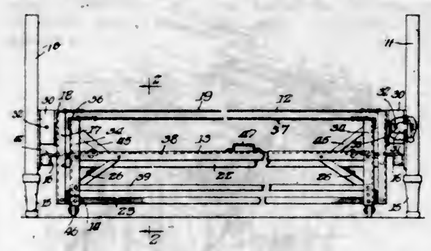
4. A fabric forming the covering of an aeroplane, said fabric being provided with a composite coating comprising a succession of at least three layers of compositions each having a fatty acid ester of cellulose as a base, an intermediate one of which layers has a greater elasticity and flexibility than the other layers and which contains a metal in the form of thin flakes.

6. A tough film coating carried on a base, such coating carrying embedded therein, a multiplicity of small extremely thin metallic flakes overlapping each other, whereby such coating is strengthened and reinforced without losing its flexibility.

1,590,784. METHOD OF PREPARING ARTIFICIAL SILK YARN FOR TEXTILE PURPOSES. SUEKICHI TODA, Sakai-Gun, Japan. Filed Nov. 17, 1925, Serial No. 69,699, and in Japan Nov. 14, 1924. 2 Claims. (Cl. 18—54.)

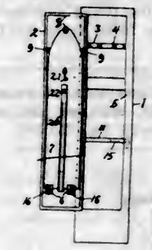
1. The method of preparing artificial silk yarn, which consists in conducting separate groups of viscose fibres through a coagulating solution, then passing the grouped and coagulated fibres through a solution of size and thereafter consolidating them into yarns without throwing or twisting.

1,590,785. EXTENSIBLE BEDSTEAD. DON CARLOS TRAVIS, Kenosha, Wis., and CYRIL A. SOANS, Oak Park, Ill., assignors to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed May 16, 1921. Serial No. 469,996. 5 Claims. (Cl. 5—18.)



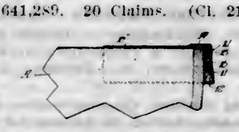
4. In a bedstead, the combination of a bed-bottom provided with arms projecting beyond the opposite ends thereof and movable relative thereto, and a supporting frame provided with oppositely disposed tracks on which said arms respectively rest to form a slidable support for said bed-bottom.

1,590,786. CLOSETED IRONING BOARD. AUGUSTUS F. WASMUTH, Huntington, Ind., assignor to Wasmuth-Endicott Company, a Corporation of Indiana. Filed May 19, 1924. Serial No. 714,231. 1 Claim. (Cl. 68—10.)



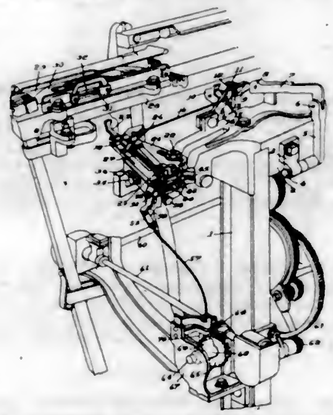
The combination of an ironing board an attachment applicable to a cabinet for the support of said ironing board, consisting of a pair of brackets secured respectively to the corresponding opposite sides of the door frame of the cabinet; an angle bar having pivotal connection in one of said brackets and supported relation at its other end with the other of said brackets when in operable position; and a pair of hooks having fixed connection with one end of the ironing board engageable with the top flange of said angle bars over the rear edge thereof, there being a folding leg on said ironing board for the support of its other end.

1,590,787. CLOSURE CAP. WILLIAM P. WHITE, Brooklyn, N. Y., assignor to White Cap Company, Chicago, Ill., a Corporation of Delaware. Filed May 25, 1923. Serial No. 641,289. 20 Claims. (Cl. 215—40.)



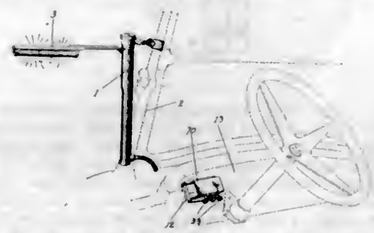
1. A closure cap formed of sheet material and having a top portion and an annular side portion, the latter having a substantially cylindrical upper part and an outwardly flaring lower part, a gasket of compressible elastic material seated against the inner wall of the side portion for contact with the top portion, the cap being provided with a vent opening adjacent the upper margin of the gasket, and a vent channel being provided across the top of the gasket.

1,590,788. FEELER MECHANISM FOR LOOMS. GEORGE H. WILLARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 9, 1926. Serial No. 87,047. 12 Claims. (Cl. 139—270.)



1. In an intermittent feeler mechanism for looms, the combination of a feeler having periods of inactivity during weaving, a frictional gripping device for engaging and holding the feeler in any inoperative position to which it may be moved by frontward movement of the lay, and a trip for freeing the feeler from the frictional gripping device at intervals.

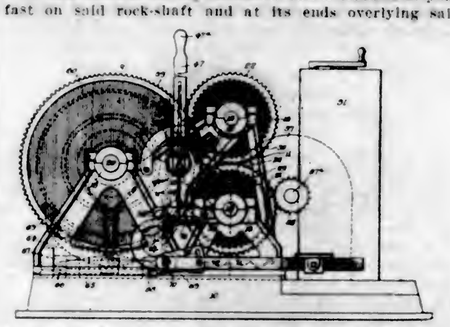
1,590,789. ACTUATING VALVE FOR VEHICLE SIGNALS. ADOLPH D. WILLSON, Modesto, Calif. Filed Nov. 22, 1924. Serial No. 751,566. 18 Claims. (Cl. 116—39.)



1. In combination with a signal having a cylinder, a piston movable therein and a signal arm operatively connected to the piston and moving therewith; fluid pressure means for operating the piston, valve means for controlling the flow of the fluid, and means arranged in connection with the valve means whereby when the latter is actuated to cause the piston to move, the latter will remain in a certain position for a predetermined period.

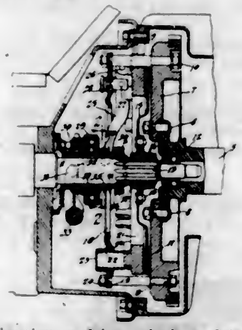
1,590,790. HOISTING MACHINE. ALEXANDER H. WILSON, Chicago, Ill., assignor to Thomas Elevator Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1922. Serial No. 540,098. 1 Claim. (Cl. 254—185.)

In a hoisting machine, the combination with a driving shaft, and power-actuated mechanism for rotating said shaft, of a pair of cable-winding elements both loose on said shaft, driven clutch members on the opposed faces of said elements, a driving clutch member splined on said shaft between said driven clutch members, a rock-shaft, a clutch shifter fast thereon engaged with said driving clutch member to shift the latter between said driven clutch members, an operating handle fast on said rock-shaft, pivoted arms carrying shoes engageable with the peripheries of said cable-actuating elements, springs urging said arms in a direction to engage said brake shoes with said cable-actuating elements, and a transverse yoke fast on said rock-shaft and at its ends overlying said



arms and operating, when said handle is swung in either direction, to retract one of said brake shoes and permit the other to be applied by its spring.

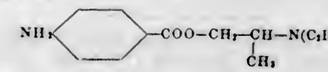
1,590,791. CLUTCH BRAKE. HARRY T. WOOLSON, Detroit, Mich. Filed Dec. 28, 1925. Serial No. 77,969. 3 Claims. (Cl. 192—13.)



1. In combination, a driven shaft, a driving shaft and a clutch, a member slideable longitudinally of one of said shafts for operating said clutch to clutch and unclutch said shafts to each other, a brake comprising a member fixed to the driven shaft and a member movable thereon, a coil spring interposed between the slideable member and the movable member, adapted to be compressed when the slideable member is actuated to unclutch said shafts and thereby force said movable member against said fixed member and brake the driven shaft.

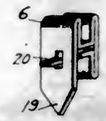
1,590,792. ANÆSTHETIC COMPOUND. ROGER ADAMS, Urbana, Ill., EMIL EDWARD DREGER, Rochester, N. Y., and ERNEST H. VOLWILER, Chicago, Ill., assignors to Abbott Laboratories, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1924. Serial No. 733,529. 2 Claims. (Cl. 260—105.)

2. As a new article of manufacture the 2-diethyl amino 2-methyl ethanol ester of para amino benzoic acid having the formula:



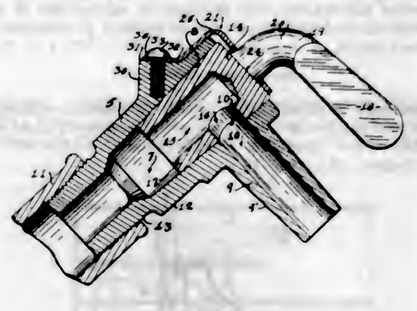
1,590,793. MILK AND PRODUCE PURCHASE INDICATOR. ALBERT EMERSON AITKEN, Edmonton, Alberta, Canada. Filed Apr. 13, 1925. Serial No. 22,655. 1 Claim. (Cl. 116—135.)

A purchase indicator comprising a sheet of suitable material having transverse slots enlarged at one end and having indicating numerals above and below, a plurality of sliding indicators adapted to be inserted in said enlarged ends and pulled along said transverse slots, each of said sliding indicators formed by a single strip of



material into an H-shape having one end tapering to an arrow indicator and the other end reduced in width and projecting through an elongated slot cut in the centre of the strip and forming a spring clip.

1,590,794. VALVE FOR VACUUM LINES. CHARLES M. ANDERSON, Los Angeles, Calif. Filed Mar. 30, 1923. Serial No. 628,800. 4 Claims. (Cl. 251—112.)

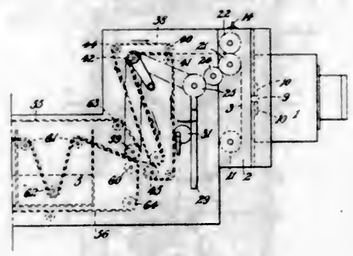


1. In combination with a vertical valve body having a conical bore in an end thereof, a conical valve fitted in said bore and extended from the upper end thereof above said body, a handle of smaller diameter extended from said plug, and a boss on said body presenting a surface which intersects the vertical body at an obtuse angle; of a member blanked from sheet spring metal and comprising, a strip secured to said boss contiguous with said surface; said strip being bent at an obtuse angle to extend upward along said body to a bend disposed slightly above the upper end of the body; said bend being slightly less than a right angle, and a ring integral with said strip encompassing said handle and engaging the extended end of said plug.

1,590,795. PROCESS OF INCREASING THE DENSITY OF FINELY-DIVIDED MATERIAL. EDWIN T. ASPLUNDH, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 22, 1924. Serial No. 739,198. 2 Claims. (Cl. 23—245.)

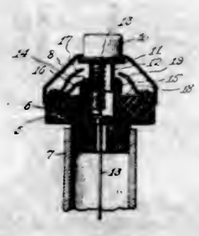
1. A process of densifying and granulating relatively light powdered soda ash, substantially free from water, which consists in subjecting such ash to very heavy pressure so as to form it into solid briquettes having the required degree of density, and then pulverizing the briquettes into granular form of the desired degree of fineness.

1,590,796. FILM EXPOSING, DEVELOPING, AND FINISHING APPARATUS OF PHOTOGRAPHIC TYPOGRAPHICAL COMPOSING MACHINES. JOHN NELSON BANKS, London, England, assignor to Linotype and Machinery Limited, London, England, a British Company. Filed Sept. 24, 1924, Serial No. 739,463, and in Great Britain Sept. 29, 1923. 7 Claims. (Cl. 95—13.)



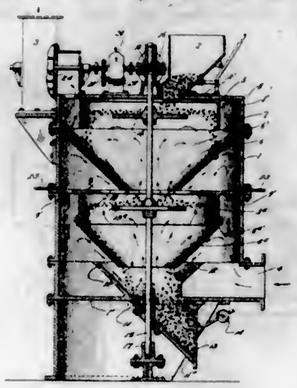
1. In or for a photographic typographical composing machine the combination with photographic apparatus comprising a camera, developing, fixing and washing chambers, mechanism adapted to convey a sensitized film through the camera and mechanism adapted to convey a length of film through the chambers, of an intermediate conveyor adapted to control the passage of the film between the camera and the chambers, and a device operable by a member of the composing machine actuated after exposure of a line of characters, adapted to intermittently acutate the camera film-conveying mechanism.

1,590,797. AUTOMOBILE HORN. GEORGE R. BANNISTER, Greenville, S. C. Filed Oct. 27, 1925. Serial No. 65,179. 1 Claim. (Cl. 201—48.)



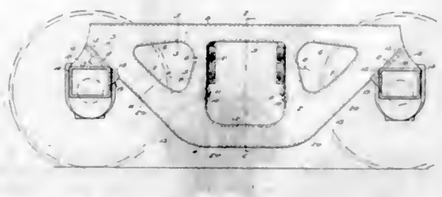
A circuit closer for automobile horns consisting of an insulator block adapted for attachment to the steering column and having a central cylindrical recess in its upper side surrounded by an upstanding central cylindrical projection, a shell mounted on said insulator block, a push-button mounted centrally in the top of said shell and carrying a contact plate and also a depending tube woring in the central cylindrical recess, an expansible spring mounted in said recess and said tube and connected at its lower end to the contact, a resistance coil surrounding said upstanding cylindrical projection on the block, a pair of contacts mounted on the block within the shell in the path of the downward movement of the contact plate on the push-button, one being normally nearer the push-button than the other, and a horn circuit connected to the aforesaid contact.

1,590,798. DRIER. WILLIAM M. BARKER, Canton, Ohio. Filed July 31, 1924. Serial No. 729,301. 4 Claims. (Cl. 34—10.)



1. Material drying apparatus including a rotating disk, an annular wall spaced from the periphery of the disk, a funnel spaced from the annular wall, and means moving drying gas through the annular interval between the funnel and the annular wall.

1,590,799. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Sept. 28, 1923. Serial No. 665,427. 20 Claims. (Cl. 105—205.)

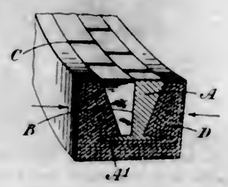


1. A car truck side frame formed from a substantially square sheet-metal blank folded to provide an inner wall and an outer wall arranged in spaced relation thereto, each of said walls having a plurality of truck column portions, a plurality of top arch bar portions, and a plurality of bottom arch bar portions, said bottom arch bar portions being disposed at an angle to the top arch bar portions corresponding to the angle of said bottom arch bar portions to the axis of symmetry of the folded blank.

1,590,800. LUBRICANT. ARMAN E. BECKER, Newark, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Mar. 9, 1922. Serial No. 542,493. 11 Claims. (Cl. 87—9.)

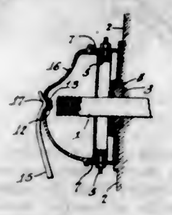
1. A lubricant composition comprising 75 to 95 parts of a fatty compound and 25 to 5 parts of sulfur, combined by reaction above 430° F. and characterized in that it is a liquid at 300° F. having a viscosity of not less than 40 seconds Saybolt.

1,590,801. PACKING SUCH AS IS USED FOR PISTON RODS. WILLIAM ROBERT BELDAM, Hounslow, England, assignor to Beldam Asbestos Company Limited, Hounslow, England, a British Company. Filed Oct. 28, 1924, Serial No. 746,351, and in Great Britain Aug. 28, 1924. 11 Claims. (Cl. 154—45.5.)



1. A semi-metallic packing, comprising a soft metal wedge-shaped core having a relatively thin and substantially flat flange lying adjacent the apex portion of the wedge and to either side thereof and projecting laterally therefrom substantially parallel to the working face of the core, and a mass of fibrous packing material encasing the core, the wide face of the core being exposed on the working face of the packing, said flange serving to modify the tendency of the core to wedge out of the fibrous material when the fibrous material is compressed, substantially as described.

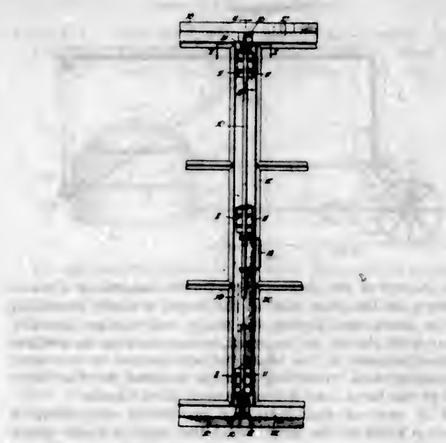
1,590,802. COMMUTATOR FOR INTERNAL-COMBUSTION MOTORS. WILLIAM H. BLATCHLEY, Pittsburgh, Pa. Filed Mar. 25, 1922. Serial No. 546,827. 6 Claims. (Cl. 200—19.)



3. A commutator casing provided with a body and end walls so associated therewith as to form a lubricant retaining chamber, one of said end walls having a depression therein with a lubricant feeding opening at the bottom of the depression, an annular deflecting baffle surrounding the said opening and projecting within the interior of the housing, and a stationary spring arm provided with a protuberance fitting in said opening whereby to close the opening and to resiliently press the casing into firm contact with the engine.

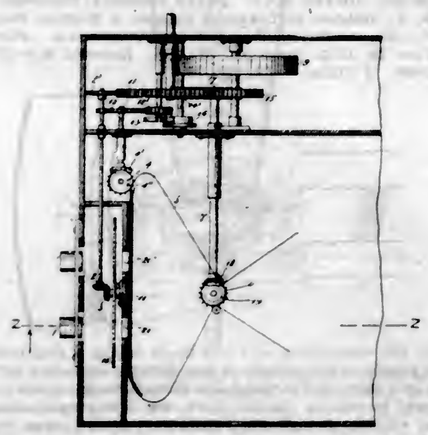
1,590,803. CLOSURE-FASTENING BOLT. CHARLES S. BOCK, Chicago, Ill., assignor to Andrew Hoffman Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1924. Serial No. 691,104. 6 Claims. (Cl. 292—218.)

1. In a closure-fastening device, a pivotally mounted latching member adapted for connection with an associated closure and provided with a bearing surface which faces toward the pivotal axis of the member and is tangential to a curve described about such axis, and a striker adapted for connection with an associated closure frame and provided with a bearing surface which faces away from the direction in which the closure is openable



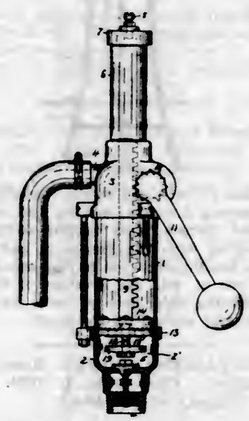
and is adapted for engagement with the bearing surface of the latching member in the line of thrust of the latter when in a locked position.

1,590,804. STEREOSCOPIC MOTION-PICTURE CAMERA. CHARLES BOUIN, Boston, Mass. Filed June 10, 1922. Serial No. 567,455. 6 Claims. (Cl. 88—16.4.)



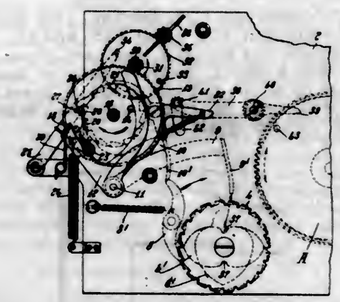
1. In a stereoscopic motion picture camera, a casing, a pair of stereoscopic lenses mounted through the front of the casing a binocular distance apart, a shaft mounted horizontally in the casing, a rotary shutter mounted in the casing behind the lenses and connected to the shaft, manually actuated drive mechanism in the casing connected to said shaft for turning the same and rotating the shutter, a film gate arranged in the casing behind the shutter and having two openings in registry with the lenses and adapted to expose two spaced portions of a film in said film gate, a sprocket wheel in the casing engaging the film for drawing the same through the film gate, an intermittent gear connection between the drive mechanism and the sprocket wheel for advancing the film strip, said shutter and drive mechanism being arranged to intermittently expose said two portions of the film through the respective lenses and to advance the film strip between exposures sufficiently to prevent double exposure of said portions of the film strip.

1,590,805. SELF-MEASURING BARREL PUMP. GEORGE U. BRAKE, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, a Corporation of Indiana. Filed July 17, 1922. Serial No. 575,555. 1 Claim. (Cl. 103—178.)



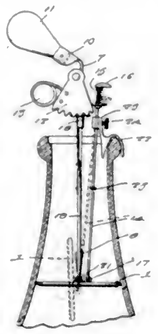
A measuring pump including a cylindrical body having a discharge outlet at its top, a base having a chamber therein wtih a valve controlled inlet; a reciprocating piston having a valve opening and limited downward movement in the cylinder; and a driving member for the piston including a valve operable to close the valve opening therein and actuate the piston in its upward stroke, said valve being movable into said chamber at the end portion of the downward stroke of said driving member.

1,590,806. RECORDING INSTRUMENT. JULIUS BRENDLE, Zurich, Switzerland. Filed Aug. 17, 1923, Serial No. 657,894, and in Switzerland Mar. 2, 1923. 7 Claims. (Cl. 234—41.)



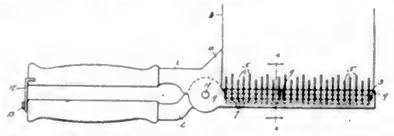
1. In a recording instrument having register wheels and zero setting mechanism automatically returning said wheels to zero position after a predetermined time, a rotated member, a driving member and a driving spring between the members, a resetting lever operated by said rotated member to reset said wheels, and means to release said rotated member after a definite time.

1,590,807. SEPARATOR FOR MILK AND CREAM. GERTRUDE AMANDA BURNES, Portland, Oreg. Filed June 17, 1925. Serial No. 37,786. 3 Claims. (Cl. 210—51.5.)



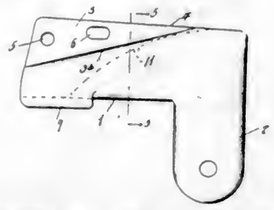
1. A separator for milk and cream, comprising a handle, a separator having a central section and a pair of end sections hinged thereon, said central section having a pivotal connection with the handle, a pair of rods rotatable in the handle, each rod having one end pivotally connected to one of said end sections of the separator, means for rotating said pair of rods, and means for moving the central section on its pivot.

1,590,808. BELT-LACING CLIPPER. RUBÉN CONTRERAS, Mexico, Mexico. Filed Mar. 1, 1924. Serial No. 696,257. 2 Claims. (Cl. 1—49.4.)



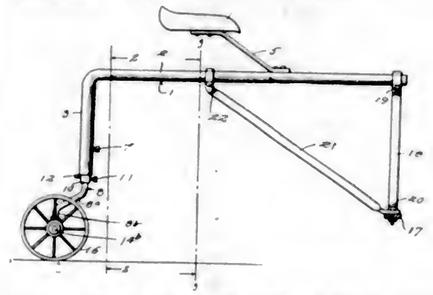
1. A clipper for attaching lacing hooks to belts, having a round jaw of suitable length and a channeled jaw partway surrounding the round jaw, each jaw having respectively a plurality of corresponding grooves and notches suitably spaced apart, each pair of grooves and notches adapted to hold a lacing hook in ready attachable position, and spacing elements on one of the jaws for uniformly spacing the belt end from the loop ends of the lacing hooks.

1,590,809. COMBINED CHECKSTRAP AND BINDER-SPRING HOLDER FOR LOOM LAY BEAMS. WADDIE E. COOLEY and BARNEY L. FERGUSON, Honea Path, S. C.; said Waddie E. Cooley assignor to Edgar R. Donnald and Samuel F. Donnald, both of Honea Path, S. C. Filed Feb. 25, 1926. Serial No. 90,593. 3 Claims. (Cl. 139—161.)



1. An attachment for loom lay beams, including a plate adapted to be secured to the side of a lay beam, means on said plate to support a check strap, and the plate having a depression therein to receive a shuttle box binder spring.

1,590,810. HARROW SEAT CART. WALTER H. CORDING, Hebron, Nebr. Filed Aug. 20, 1925. Serial No. 51,495. 5 Claims. (Cl. 55—91.)

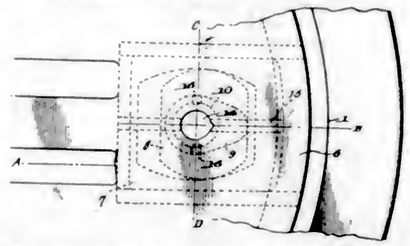


1. A cart of the character set forth, comprising a beam, a stock at the rear end of the beam, a shaft journaled in the stock and having the lower end thereof laterally offset with respect to the stock, an axle having an arcuate portion pivoted to the shaft, wheels carried by the axle, a support and attaching element secured to the front end of the beam, and a seat secured to the beam.

2. A cart of the character set forth, comprising a beam, a stock at the rear end of the beam, a caster truck connected to the stock, means normally holding the caster truck against movement about a vertical axis, an attaching and supporting element secured to the front end of the beam, and a seat secured to the beam.

4. A cart of the character set forth comprising a beam, a seat secured to the beam, wheels supporting the rear end of the beam, and an inverted V-shaped supporting and attaching element secured to the front end of the beam.

1,590,811. GRATE LOCK. HENRY CRADDOCK, Rensselaer, N. Y., assignor to Townsend Furnace & Machine Shop Co. Inc., Albany, N. Y., a Domestic Corporation. Filed June 29, 1922, Serial No. 571,698. Renewed May 12, 1926. 3 Claims. (Cl. 70—78.)

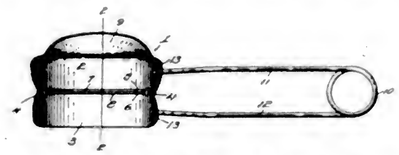


1. The combination of a lock-frame having a longitudinal groove formed therein, a bolt slidably connected with the lock frame and having a slot formed therein, a cam arranged to turn in the slot, said cam having upstanding lugs slidable through the longitudinal groove when the bolt and cam are being inserted into position within the lock frame.

1,590,812. BOILER TUBE. JOHN A. DOBLE, San Francisco, Calif. Filed Sept 15, 1919. Serial No. 323,802. 4 Claims. (Cl. 122—488.)

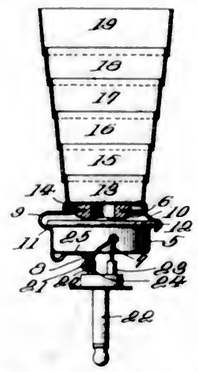
1. The combination with a boiler tube adapted to contain steam and water, of a wall disposed within said tube and provided with a central aperture through which steam and water pass, and a spiral vane arranged behind said wall and receiving steam and water thru said aperture and discharging them tangentially in the tube.

1,590,813. EGG-OPENING DEVICE. JOSEPH PAUL DONOVAN, Thetford Mines, Quebec, Canada. Filed Feb. 7, 1925. Serial No. 7,584. 1 Claim. (Cl. 146—2.)



An egg opening device of the class described comprising a holder, the latter including a pair of longitudinally curved complementary sections, said sections being pivotally secured together at their respective ends, one of the sections having an upstanding portion at the outer side thereof, the inner adjacent edges of the complementary sections being disposed upwardly in abutting relation, the upper edges of said upwardly disposed portions being sharpened to provide a pair of complementary cutting knives for breaking and penetrating the shell of an egg placed in said holder, the upstanding portions further cooperating to hold the broken halves or sections of the egg in the respective curved sections and a handle to manipulate the parts.

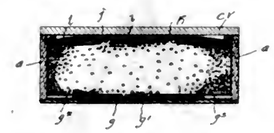
1,590,814. PORTABLE LOUD SPEAKER. CORAL G. DURETT, Pittsfield, Mass. Filed Sept. 14, 1925. Serial No. 56,211. 4 Claims. (Cl. 179—146.)



1. A loud speaker comprising a receiver, a clamp having engagement with the receiver, a collapsible horn mounted upon one end of said clamp, and a plug pivotally supported upon the other end of the clamp.

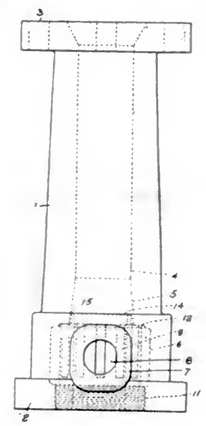
1,590,815. DUST AND INSECT PROOF PACKAGE. JAMES DUVALL, Camas, Wash. Filed June 14, 1923. Serial No. 645,434. 2 Claims. (Cl. 206—46.)

1. A dust and insect proof package comprising an outer box made of firm material and including a cover, and a protective lining bag made of flexible material inserted in said box, said bag being of the same form as the interior of the box but of greater length than the depth of the latter, the upper wall portions of the bag being slitted to provide flaps, the slits terminating at the top of the box, a pack of compressed material, initially of greater volume than the capacity of said box, but compressed to the depth of the latter and to form a marginal depression at the top, the flaps of the bag being folded one over the other over the top of the pack after its said compression, and the unslitted wall portions of the bag projecting above the top of the pack being crushed



down into said depression, whereby the inner ends of said slits between the adjacent flaps are sealed, and the pressure of the pack against the cover of the box, hold the flaps firmly in place and thus maintains said seals.

1,590,816. SAND INJECTOR. GUSTAV EDWARD ERICSSON, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 5, 1923. Serial No. 649,629. 1 Claim. (Cl. 230—13.)

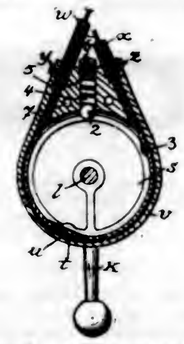


In combination in an injector for lifting heavy mixtures of water and sand or mud, which comprises a tubular barrel open from end to end, with an enlargement at one end, and a tapering portion connecting said enlargement with the portion of the bore of smaller diameter, a shoulder at the junction between the enlargement and the tapering portion, a sleeve fitting into said enlargement with its outer surface spaced away from the wall of the enlargement throughout a portion of its length and provided at its inner end with a shoulder engaging said shoulder on the barrel and having a portion of reduced diameter at its forward end projecting into said tapering portion but spaced away therefrom, and a communication for supplying fluid under pressure to the space between the sleeve and the wall of the enlargement, the said sleeve being provided with grooves extending back from said shoulder to permit the passage of said fluid past the shoulder, and the sleeve being screw threaded at its outer end into said enlargement.

1,590,817. APPARATUS FOR INDICATING CHANGES OF DIRECTION FOR ROAD VEHICLES. EDMUND FILLETTAZ, Geneva, Switzerland. Filed Nov. 17, 1923. Serial No. 675,391, and in Switzerland Nov. 27, 1922. 1 Claim. (Cl. 74—39.)

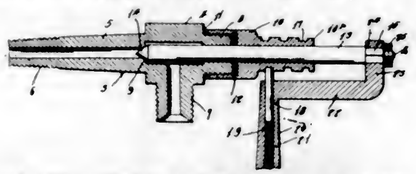
Apparatus for actuating a signal for road vehicles comprising a cable, means for detachably connecting one end of the cable to the signal, a casing, a pulley rotatably mounted in said casing and having a peripheral groove

and recesses formed in its periphery at determined intervals, a lever attached to said pulley and extending through said casing for imparting a movement of rotation to said



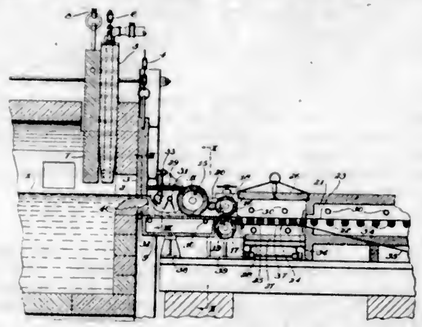
pulley, a ball mounted in said casing and adapted to engage in any one of said recesses, a spring bearing on said ball, and means for connecting said cable to the periphery of said pulley so as to lie in said groove thereof.

1,590,818. QUICK-OPENING WATER-GLASS VALVE. HENRY GEHBAUER, Marshall, Tex. Filed July 9, 1925. Serial No. 42,499. 3 Claims. (Cl. 251—40.)



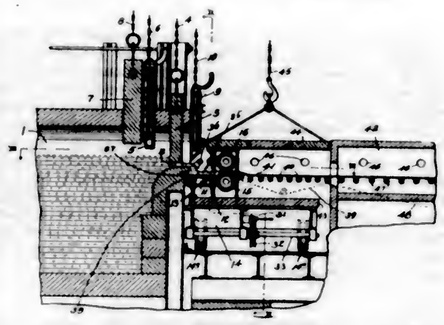
1. A valve comprising a body provided with a seat, a sleeve connected to the body and provided with an external spiral groove, a stem slidably and rotatably mounted in the body and sleeve, an arm arranged parallel to the stem and secured at its outer end to the outer end thereof, a handle secured to the inner end of the arm, and a spring pressed pin carried by the handle and engaging in said spiral groove.

1,590,819. APPARATUS AND PROCESS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 7, 1924. Serial No. 742,181. 11 Claims. (Cl. 49—3.)



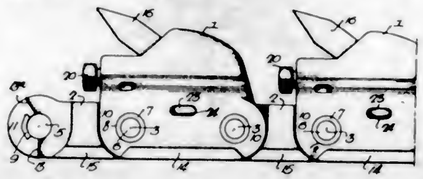
1. In apparatus for the manufacture of sheet glass, the combination with a tank or receptacle provided with an outlet, so as to permit the discharge therethrough of molten glass under the head pressure of the tank, a stationary spreading table in position to receive the molten glass from said outlet of a width much greater than that of said outlet, a sizing roll over the table intermediate the ends thereof, a pair of traction rolls in advance of the sizing roll for engaging the upper and lower sides of the sheet and pulling it over the surface of the table and beneath the sizing roll, and a leer in advance of said traction rolls provided with means for carrying the glass therethrough.

1,590,820. APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 7, 1924. Serial No. 742,182. 6 Claims. (Cl. 49—3.)



1. In apparatus for the manufacture of sheet glass, the combination with a tank or receptacle provided with an outlet so as to permit the discharge therethrough of molten glass under the head pressure in the tank, a stationary spreading table in position to receive the molten glass from said outlet of a width much greater than that of said outlet, a pair of sizing rolls at the forward end of the table of a length greater than the width of said outlet, and a leer in advance of said rolls.

1,590,821. COAL-CUTTING CHAIN. FRANK J. OAKES, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed June 27, 1922. Serial No. 571,218. 3 Claims. (Cl. 262—33.)

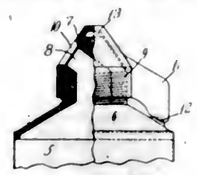


1. The combination in a coal cutting chain, of a series of cutting links and a series of connecting links alternating with the cutting links and pivotally connected; and cutting bits carried by the cutting links, the cutting links and the connecting links having extended side bearing flanges, the flanges of the cutting links extending to, or beyond, the pivots of the said links.

1,590,822. COLLAPSIBLE TUBE. HERBERT MILTON HEATH, Augusta, Me. Filed Jan. 4, 1923. Serial No. 610,689. 3 Claims. (Cl. 221—60.)

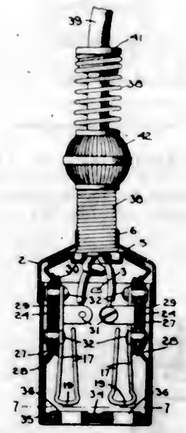
1. In a collapsible tube the combination of a nozzle composed of ductile metal having a screw threaded base, and a conical top combined with a cap therefor having an internal screw thread adapted to engage the screw

thread of said nozzle, and having a conical formation in its upper portion adapted snugly to fit the top of said nozzle, lateral openings in said cap and nozzle lo-



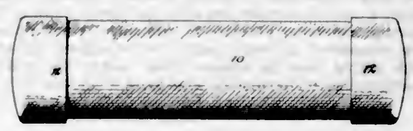
cated relatively so that when said cap is turned down on said nozzle said openings are closed, and a chamber located between said cap and the extremity of said nozzle.

1,590,823. ELECTRIC CONNECTER PLUG. FRANK W. HEWITT, Arlington, Mass., assignor to Simplex Electric Heating Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 22, 1924. Serial No. 708,246. 7 Claims. (Cl. 173—332.)



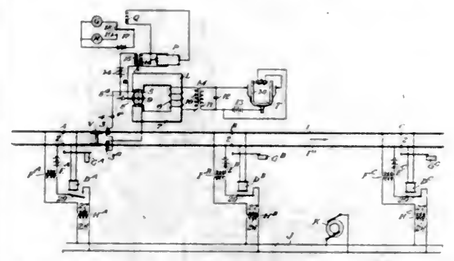
1. An electric connecter plug comprising an exterior metal casing apertured at the top to receive an insulated conductor, a pair of metal socket members within the casing and insulated from the casing and from each other and connected to the conductor, and metal eyelets mounted in the bottom of the plug in alignment with the socket members and insulated from the casing and from each other.

1,590,824. BURIAL CASKET. JULIAN P. HILL, Hamburg, N. Y. Filed July 21, 1922. Serial No. 576,494. 16 Claims. (Cl. 27—8.)



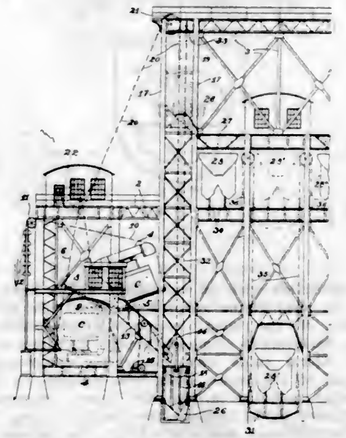
1. A casket comprising a cylindrical body having an end opening, a support within the body, a cover extending across said opening, and a fastening adapted to be arranged within the body and to connect said cover and support by moving said cover lengthwise on said body.

1,590,825. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HAROLD O. HOLTE, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 9, 1924. Serial No. 736,683. 9 Claims. (Cl. 246—63.)



9. Railway traffic controlling apparatus comprising means located in the trackway for supplying current of one frequency to trains, means located on a train for supplying current of another frequency, and governing apparatus on said train responsive to the joint action of said two currents but not responsive to either of said currents alone.

1,590,826. MATERIAL-HANDLING APPARATUS. FRANK E. HULETT, East Cleveland, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a Corporation of Ohio. Filed June 23, 1923. Serial No. 647,258. 5 Claims. (Cl. 214—45.)

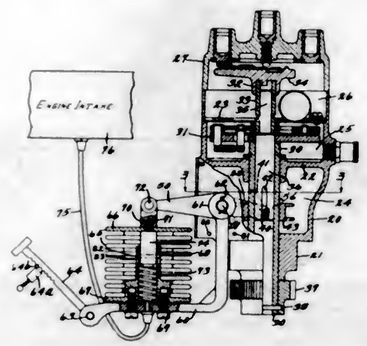


1. In a material handling apparatus, means for emptying a car, means for receiving the contents of said car, an elevator frame supporting said last mentioned means during the loading thereof, means for moving said loaded means vertically, and means operatively connecting said first and last mentioned means whereby the weight of one assists in the operation of the other, substantially as described.

1,590,827. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 1, 1923. Serial No. 636,007. 5 Claims. (Cl. 123—117.)

1. In ignition apparatus for internal combustion engines, the combination with a breaker lever element and a cam element; of means for moving one of the ele-

ments relative to the other in response to engine suction, said means including a suction chamber having a movable wall; and means for manually moving said ele-



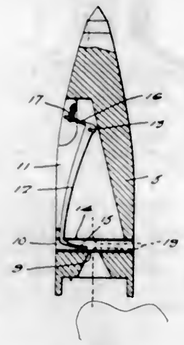
ment, said manual means including the suction chamber through which motion is transmitted from the operator to said element.

1,590,828. TRAFFIC SIGNAL FOR AUTOMOBILES. HARRY R. IHRIG, Peru, Ill. Filed Jan. 2, 1925. Serial No. 87. 1 Claim. (Cl. 40—131.)

In combination with an automobile and a head lamp thereof, an open frame adapted to detachably fit upon the front of the lamp; the said frame having a straight horizontally disposed upper compartment and straight lateral guide ways connecting therewith, the lower half of the frame being semi-circular; a spring shade roller mounted in the said upper compartment; a translucent shade having directional lettering thereupon, mounted upon said shade roller, the lateral edges of the shade being disposed in said guide-ways and the lower edge of the shade being provided with a straight stiffening rib adapted to prevent the downward movement of the shade across the lower semi-circular part of the frame opening; a conduit connected with the lower part of the frame, thence extended downward and then back through the dash of the automobile; and a cable attached by one end to the said stiffening rib at the lower edge of the shade and extended back through the said conduit.

1,590,829. LOOM SHUTTLE. JOSEPH ADOLPHUS JARVIS, Plainfield, Conn. Filed Aug. 26, 1925. Serial No. 52,603. 1 Claim. (Cl. 139—221.)

A shuttle of the class described including a body, an eye extending transversely of the body, said body provided with a longitudinally extending groove crossing and communicating with the intermediate portion of the eye, said eye provided with a slot, said body provided with a groove extending from the slot, an arm pivoted at one end in the groove and having an extension at



its other end movable in the eye, an extension at the first mentioned end of the arm, and a spring associated with the last mentioned extension for holding the arm normally inactive.

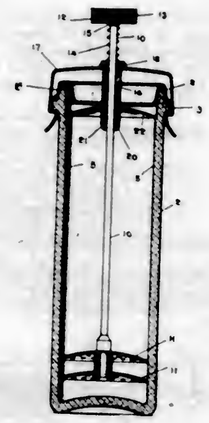
1,590,830. PNEUMATIC LIFTING JACK. SPENCER JEWKES, Sydney, New South Wales, Australia. Filed Mar. 14, 1925, Serial No. 15,543, and in Australia Mar. 20, 1924. 4 Claims. (Cl. 138—9.)

1. A pneumatic lifting jack, comprising a casing provided with a gas inlet; a piston slidable vertically in the casing; a jack head movable with the piston; means for supplying gas under pressure to said inlet; a gas release valve connected to said casing; an elongated tubular handle fitting over the release valve; and a rod slidable in said handle for operating said valve.

1,590,831. EGG BEATER AND DRINK MIXER. LOUIS W. JONES, New York, N. Y. Filed Mar. 26, 1924. Serial No. 702,072. Renewed May 5, 1926. 9 Claims. (Cl. 259—113.)

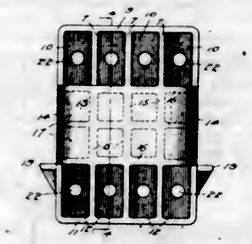
1. In a device for agitating and aerating liquids, a containing vessel, an agitator arranged to work therein carried by a central rod, a cover for closing the vessel,

a plate located below the cover, a hollow post through which the agitator rod is free to move and over which the cover and plate below the cover freely slip so as to be



easily removed for cleansing purposes, and easily separable means for securely uniting to the hollow post both the cover and the plate.

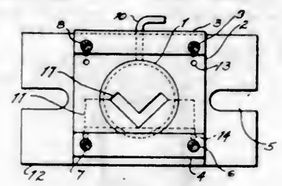
1,590,832. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed May 23, 1922. Serial No. 562,985. 17 Claims. (Cl. 213—7.)



1. A follower for railway draft rigging including longitudinally spaced opposite wall portions cooperatively associated with and embraced by the cushioning mechanism and one of the movable elements of the draft rigging, and a plurality of vertically arranged and a plurality of horizontally arranged webs or flanges uniting said wall portions, one of said wall portions forming a relatively large transversely extending bearing surface adapted to contact said movable element of the draft rigging and having open portions above and below said bearing surface.

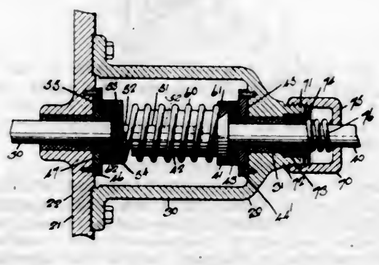
1,590,833. PUNCH AND DIE FOR CUTTING ANGLE AND T IRONS. OTTO KAHN, Baltimore, Md. Filed Dec. 2, 1925. Serial No. 72,727. 1 Claim. (Cl. 164—118.)

A combination embodying a base plate with openings for fastening bolts; a die block of rectangular form mounted or made integrally upon said base plate and formed with a central opening for the die proper; a round rotatable die center; means for fastening said die



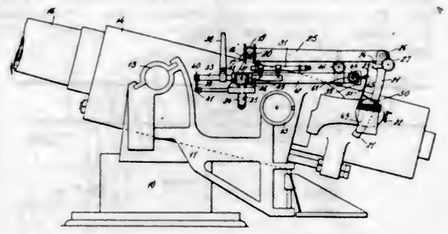
center within the die block; guides or gages on the die block for guiding work to be cut; means for setting said gages or guides and means for fastening same.

1,590,834. SEALING DRIVE. JESSE G. KING, Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 15, 1920. Serial No. 417,152. 11 Claims. (Cl. 286—7.)



1. A sealing drive comprising, in combination, a shaft bearing, a shaft journaled in said bearing, a member for sealing said bearing, a second shaft, and a motion-transmitting member connecting the shafts and having provisions for exerting pressure upon the sealing member.

1,590,835. APPARATUS FOR SIGHTING GUNS. SAMUEL LIPPINCOTT GRISWOLD KNOX, New York, N. Y. Filed Dec. 27, 1922. Serial No. 609,359. 2 Claims. (Cl. 33—48.)



1. A gun sighting mechanism comprising, a gun mount, a sight yoke universally mounted thereon and means for adjusting said yoke in two planes at right angles to each other, a sight rod mounted on the sight yoke and provided with a reference point, a dead beat pendulum having an indicator in proximity to the reference point, and means for adjusting the sight rod laterally with respect to the sight yoke to keep the reference point opposite the indicator.

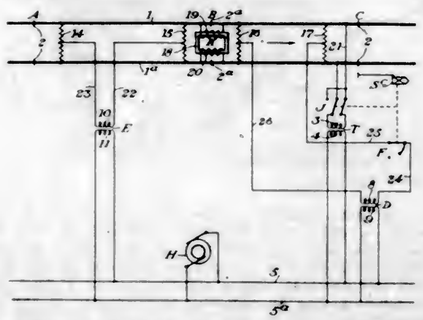
1,590,836. METHOD OF MAKING METALLIC DOORS OR THE LIKE. HARVEY H. LEWIS, Atchison, Kans., FRED P. MCBERTY, ALBERT VAN BUREN CUTLER, and EARL B. RAUSCH, Warren, Ohio, assignors to Henry Weis Manufacturing Company, Atchison, Kans., a Corporation of Missouri. Filed Oct. 29, 1925. Serial No. 65,712. 9 Claims. (Cl. 219—10.)

1. The method of making metal doors or the like, comprising stile and rail members and a panel, consisting of insulating the panel from the stile and rail members and passing an electric current between a stile and rail member to weld a joint therebetween.

1,590,837. PROCESS FOR PREPARATION OF CHEESE HAVING AN INCREASED OR SUPPLEMENTED VITAMINE CONTENT. HUGO LIEBERS, Fulnek, Czechoslovakia, assignor to Hamburger & Co. Gesellschaft mit beschränkter Haftung, Fulnek, Czechoslovakia, a Czechoslovakian Company. Filed Apr. 9, 1924. Serial No. 705,332, and in Germany Dec. 21, 1923. 7 Claims. (Cl. 99—11.)

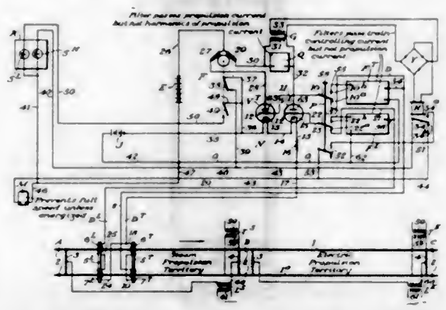
1. The process for the preparation of cheese which consists in incorporating with the finished cheese while the same is in an incomplete but advanced state of maturation yeast and so treating the composition as to render ineffective the proteolytic enzymes contained therein.

1,590,838. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1923. Serial No. 659,505. 6 Claims. (Cl. 246—37.)



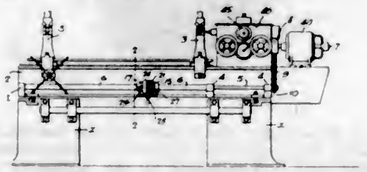
1. Trackway apparatus for a train controlling system comprising a section of track divided into two sub-sections insulated from each other, means for supplying each sub-section separately with loop current which flows through the track rails in multiple, and means for supplying the two sub-sections in series with track circuit current which flows through the track rails in series.

1,590,839. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. SAMUEL M. LUCAS, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 21, 1925. Serial No. 31,750. 8 Claims. (Cl. 246—63.)



1. In combination, a railway comprising steam propulsion territory and electric propulsion territory, means for supplying train controlling current of a lower value to the rails in the steam propulsion territory, means for supplying train controlling current of a higher value to the rails in the electric propulsion territory, train carried governing mechanism controlled by said currents, frequency selecting apparatus on the train, a member on the train for connecting said apparatus with said mechanism while the train is in the electric propulsion territory and for disconnecting the apparatus from the mechanism when the train is in the steam propulsion territory, and means for compelling operation of said member when the train passes from one said territory into the other territory.

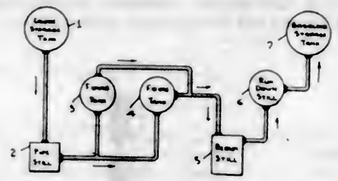
1,590,840. CONTINUOUS STATIC DYNAMIC BALANCE-TESTING MACHINE. JACOB LUNDGREN, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1921. Serial No. 464,600. 20 Claims. (Cl. 73—51.)



1. In a balance testing machine, the combination with an oscillatory support structure, of means for rotatably mounting a body upon the said structure, means for rotating the body, means for creating an unbalance in the structure to counteract the unbalance in said body, and auxiliary means associated with the support and operable independently of said unbalancing means for counteracting the effect upon said support of static unbalance existing in the rotating body.

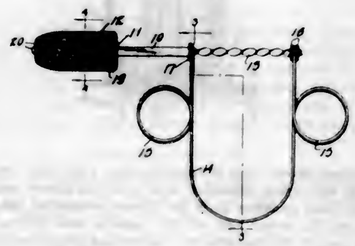
1,590,841. PROCESS OF TREATING HYDROCARBONS. JOHN ROBERT MCCONNELL, Whittier, Calif. Filed July 27, 1925. Serial No. 46,487. 6 Claims. (Cl. 196—144.)

1. The process of treating light hydrocarbons containing a sensitive discoloring compound to produce water-white light hydrocarbons substantially free from color and having a definite color stability, comprising exposing the light hydrocarbons for a period of time to the



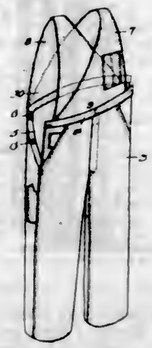
sole action of light rays to completely fix the color of the sensitive discoloring compound and thereafter distilling the so treated light hydrocarbons.

1,590,842. TOOTHBRUSH. ROBERT MILTON MCMILLIN, Lagrange, Ga. Filed Oct. 22, 1925. Serial No. 64,230. 10 Claims. (Cl. 15—26.)



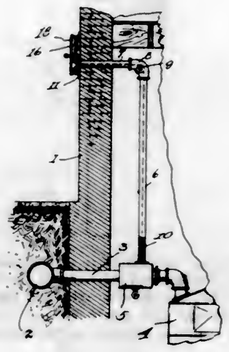
1. A tooth brush comprising a shaft having a circular brush mounted adjacent one end, said shaft being spirally formed adjacent its opposite end, a flexible U-shaped handle for said shaft and having each end connected with said shaft, said handle having one end fixed against longitudinal movement on the shaft and having its other end provided with a slot adapted to be moved longitudinally of the spiral for rotating the same, substantially as set forth.

1,590,843. OVERALLS. FREDERIC O. MAHAN, Eugene, Oreg. Filed June 8, 1925. Serial No. 35,550. 1 Claim. (Cl. 230.)



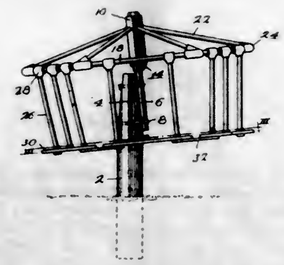
In a sleeveless overall, the combination with a leg covering member having a waist line opening adjacent to each hip, of supporting members adapted to extend over the shoulders of the wearer and having substantially triangular front and rear portions severally free at their side edges, the bases of said portions overlapping and extending substantially from one of said openings to the other.

1,590,844. GAS SHUT-OFF VALVE BOX. GEORGE T. MOESCHEN, New York, N. Y. Filed Dec. 2, 1925. Serial No. 72,685. 3 Claims. (Cl. 137—111.)



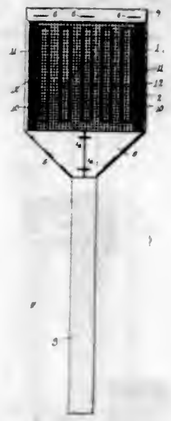
2. A device of the character described, comprising a base, a shallow annular flange on the front face thereof, hooks projecting inwardly from said flange at one end thereof, oppositely disposed depressions in said flange near the other end thereof, a cover adapted to fit over said flange, cams on the inner face of said cover adapted to interlock with said flange hooks, projections on the inner face of said cover adapted to register with said flange depressions, and a lock on said cover for securing the same to said base.

1,590,845. INCLINED MERRY-GO-ROUND. WALTER D. MOLBY, Baldwin City, Kans. Filed Aug. 8, 1924. Serial No. 730,959½. 3 Claims. (Cl. 272—33.)



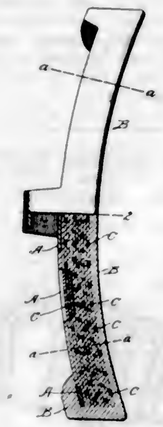
1. An amusement device consisting of an inclined rotary frame, a central support therefor, hangers depending from said frame and inclining towards said support, and seats rigidly secured to said hangers and spaced from the support.

1,590,846. FLY SWATTER. GEORGE A. MOORE, Medford, Mass. Filed Nov. 28, 1925. Serial No. 71,983. 2 Claims. (Cl. 43—137.)



1. A fly swatter comprising a thin elongated handle, a length of wire netting and a length of heavy paper superposed thereon and marginally attached together, the corners of the netting and paper at one end being folded over onto the terminal portion of the handle and stapled thereto.

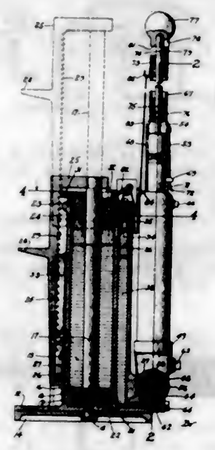
1,590,847. BRAKE-SHOE ART. LEWIS F. MOORE, Roanoke, Va., assignor to Walker Machine & Foundry Corporation, Roanoke, Va., a Corporation of Virginia. Filed Jan. 2, 1926. Serial No. 78,945. 7 Claims. (Cl. 22—206.)



1. A cast metal brake shoe comprising a chilled part and an unchilled part, and reinforcing material embedded in the chilled part and in the unchilled part of the body, the part of the reinforcing material in the unchilled part of the body being coated with heat resisting material and the part of the reinforcing material in the chilled part of the body being bare, substantially as described.

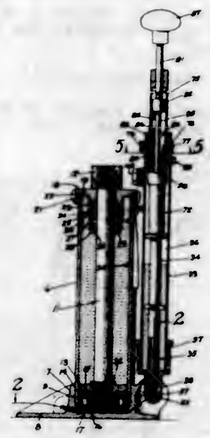
1,590,848. LIFTING JACK. LEONARD NILSON, Wayzata, Minn. Filed Nov. 27, 1922. Serial No. 603,667. 10 Claims. (Cl. 138—9.)

1. A lifting jack comprising a support, a base on the support and provided with a piston chamber, a piston therein, a lifting member connected with said piston to engage the object to be lifted, a handle having a hinged connection with said base, a barrel and plunger therein operative in said handle, circulating channels extending partially around and then partially longitudinally through



the hinge pintle, one communicating with the lower portion of the piston chamber and with the lower end of the handle, and another with the upper portion of said chamber and the lower end of the handle, and valves at the lower end of the handle for controlling the circulation.

1,590,849. LIFTING JACK. LEONARD NILSON, Wayzata, Minn. Filed Dec. 22, 1924. Serial No. 757,513. 22 Claims. (Cl. 138—9.)

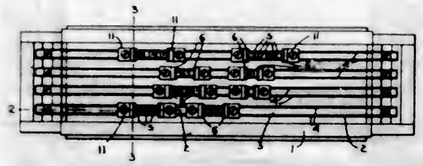


1. A lifting jack comprising a base, a pump barrel and plunger, a handle having a head journaled in said base and provided with a duct leading to said barrel, valves in said duct controlling the delivery of inelastic fluid to said barrel, and means permitting the removal of said valves from said duct without removing said head from its bearings in said base.

1,590,850. PROCESS OF DECORATING MATERIAL. AZARIAH Y. PEARL, East Boston, Mass. Filed Aug. 1, 1922. Serial No. 579,083. 11 Claims. (Cl. 91—68.)

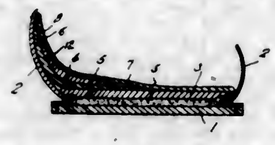
6. The process of producing an iridescent surface on material which consists in coating said surface with an alum-containing material and then subjecting said coated surface to the action of an alkali thereby to produce a transparent film having an iridescent hue.

1,590,851. TYPE ELEMENT FOR MARKING MACHINES. FRED A. PUTNAM, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a Corporation of Massachusetts. Filed July 23, 1925. Serial No. 45,539. 6 Claims. (Cl. 101—396.)



1. A type member for use with a type chase having a slotted type-holding bar, said type member comprising printer's type adapted to be received in the slot of the type-holding bar, and type-supporting means associated with the type and having portions to rest on top of the bar, said portions being of harder material than the type.

1,590,852. ARCH-SUPPORTING SHOE. JOSEPH RAKONICK, St. Louis, Mo. Filed Dec. 10, 1925. Serial No. 74,520. 1 Claim. (Cl. 36—71.)



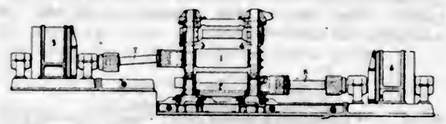
A shoe having a built-in adjustable arch support, comprising an outer sole, a main inner sole, and an upper secured together in associated shoe forming relation, an arch supporting base superposed on and secured to said main inner sole and having a portion extending from the inside edge of the main inner sole throughout the arched portion of the shoe, extending upwardly along the inside of the upper for reinforcing the arch of the shoe and supporting the arch supporting structure, a supplemental inner sole superposed on the main inner sole and co-extensive therewith and having an extension overlying the extending portion of the base on the main inner sole, means securing the main and supplemental inner soles together at their forward ends, means securing said main and supplemental inner soles together along a transversely extending portion thereof at the forward portion of said extension and base, and means securing the supplemental inner sole and the main inner sole to the remaining shoe structure throughout the heel portion of the shoe, whereby a transversely extending open ended pocket is formed throughout the arch portion of the shoe on top of said base adapted to receive arch supporting inserts.

1,590,853. COLLAPSIBLE TUBE. CURT J. ROHLAND, Seekonk, Mass., assignor to National Collapsible Tube Co., Providence, R. I. Filed Aug. 6, 1925. Serial No. 48,534. 1 Claim. (Cl. 221—60.)

In combination with a collapsible tube having a neck formed with a flared base portion, a combined reinforcing and eye-carrying fitting having a threaded neck tightly secured over the tube neck and having a flared skirt extending outwardly therefrom at an angle to closely conform to the flared base portion of the tube neck, the tube neck being extended beyond the fitting neck and being

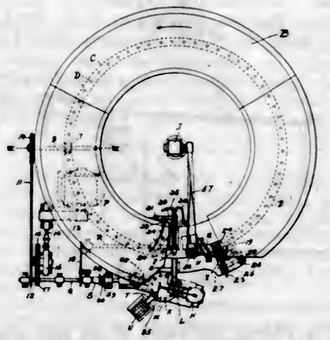
swaged outwardly and thereagainst to hold the fitting onto the tube, and an eye formed integral with the fitting skirt at a spaced distance from the threaded neck and adjacent the outer edge of said skirt portion.

1,590,854. CONSTRUCTION OF AND DRIVING ARRANGEMENT FOR ROLLING MILLS. LAMBERT ROTHERA, HERBERT STIRLING CARNEGIE, and JAMES COOPER WILSON, London, England, assignors to The English Electric Company Limited, London, England, a British Company. Filed Sept. 7, 1923, Serial No. 661,492, and in Great Britain Sept. 20, 1922. 6 Claims. (Cl. 80—31.1.)



6. An electrically driven rolling mill of a type adapted for rolling iron or steel in the form of straight lengths comprising a pair of parallel main rolls, a pair of separate and similar direct curren electric motors one operatively connected with each of said rolls, means for electrically connecting said motors in series, a three-wire electrical generating system, means for connecting said motors across the outer wires of said system and means for connecting the junction between the said motors to the third wire of said system, the last said means containing a part of appreciable effective resistance.

1,590,855. APPARATUS FOR FORMING OPTICAL BLANKS. THOMAS ROTHERAM, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Feb. 9, 1923. Serial No. 618,087. 5 Claims. (Cl. 49—7.)



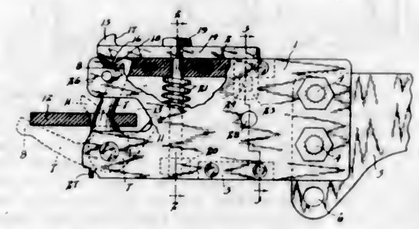
1. The combination with a tunnel heating chamber provided with a continuous carrier for optical blanks and a molding or pressing machine adjacent the exit end of

the chamber, of automatic transfer means between the carrier and the pressing machine, and reversing means for turning the blanks upside down in their passage to the pressing machine.

1,590,856. POULTRY ROOST. JAMES O. SABIN, Muscatine, Iowa. Filed Aug. 31, 1925. Serial No. 53,452. 2 Claims. (Cl. 119—25.)

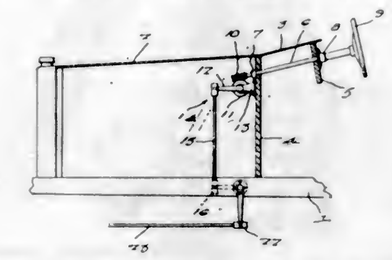
2. In a poultry roost, a bar with a planar bottom, a U-shape sling of spring material having its ends permanently fastened to the opposite sides of said bar and comprising downwardly extending portions and a mid-portion extending diagonally across the bottom of said bar, and a trap comprising a block having recesses therein and a cover thereon clamped between said diagonal portion of said bar and said bottom and lying entirely within the area of said bottom, said diagonally extending portion being bowed upwardly whereby to localize its pressure engagement with the trap at a point intermediate the trap side edges whereby to prevent canting.

1,590,857. CONVERTIBLE SAFETY AND POSITIVE DRAFT DEVICE. MARTIN A. SAGEN, Edmore, N. Dak., assignor of one-third to Hilbert J. Nyhus, Edmore, N. Dak. Filed Feb. 9, 1923. Serial No. 617,951. 12 Claims. (Cl. 280—33.16.)



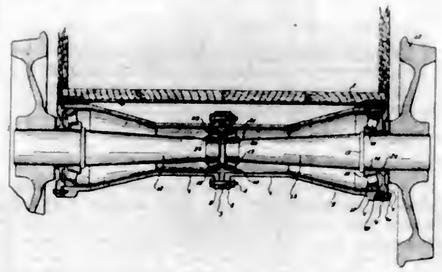
1. A draft device comprising a casing, a latch pivoted at the front portion thereof and a reversible bar disposed at one side of said casing having means on one side adapted to co-operate with said latch and be interlocked therewith to form a positive hitch, and having means on its other side adapted to co-operate with said latch to form a releasable hitch, said bar being resiliently held in position.

1,590,858. AUTOMOILE STEERING MECHANISM. GLENN A. SAMUELS, Binghamton, N. Y. Filed June 17, 1925. Serial No. 37,769. 3 Claims. (Cl. 74—79.)



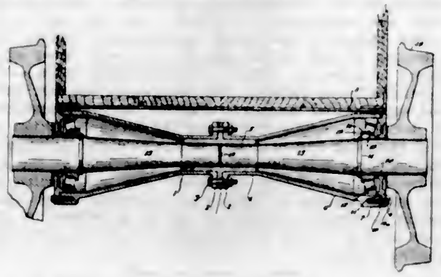
1. In a steering mechanism of the class described, a pair of bearings, a steering wheel shaft journaled for rotation in said bearings, a steering wheel fixedly connected to the rear end of said shaft, a vertically disposed link, a horizontally disposed oscillatory shaft, a bearing for the last named shaft, a crank arm carried by said last named shaft, a universal connection between said crank arm and link, a depending crank arm also carried by the oscillatory shaft, a universal connection carried by said last named crank arm, and adapted for association with a horizontal steering gear operating rod, and operating means between said steering gear shaft and link.

1,590,859. DIFFERENTIATING MINE-CAR AXLE. WILLIAM L. SCRIBNER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 1, 1926. Serial No. 99,058. 3 Claims. (Cl. 295—38.)



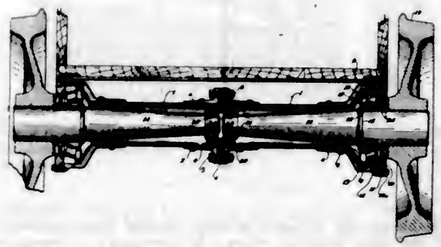
1. A differentiating axle including a pair of tubular axle housing sections having peripheral flanges at their inner ends, a cross flanged ring located within the inner ends of the axle housing sections and connected to the flanges thereon, a pair of antifriction bearings mounted within said cross flanged ring, a pair of aligned axle sections within the housing having their inner ends journaled in said antifriction bearings, the outer end portion of each axle section being shouldered, a roller bearing cone upon the shouldered portion of each axle section, a roller bearing cup mounted in each outer end portion of the housing, taper rollers between each cooperating cone and cup, and a wheel fixed upon the outer end portion of each axle section.

1,590,860. DIFFERENTIATING MINE-CAR AXLE. WILLIAM L. SCRIBNER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 1, 1926. Serial No. 99,059. 2 Claims. (Cl. 295—38.)



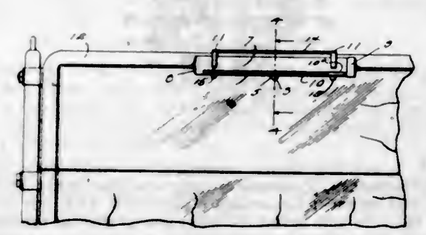
1. A differentiating axle including a housing formed of a pair of tubular sections having peripheral flanges at their inner ends, a central journal bearing located within the inner ends of said housing sections and provided with a central peripheral flange connected to the flanges upon the housing sections, a pair of aligned axle sections within the housing having their inner ends abutting and journaled in said journal bearing, the outer end portion of each axle section being shouldered, a roller bearing cone upon each shouldered portion, a roller bearing cup mounted in each outer end portion of the housing, taper rollers between each cooperating cone and cup, and a wheel fixed upon the outer end portion of each axle section.

1,590,861. DIFFERENTIATING MINE-CAR AXLE. WILLIAM L. SCRIBNER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 1, 1926. Serial No. 99,060. 4 Claims. (Cl. 295—38.)



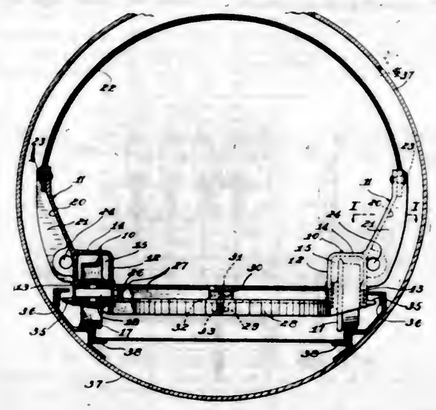
1. A differentiating axle including an axle housing formed of two tubular sections having peripheral flanges at their inner ends, a ring connected to said flanges and extending into the middle portion of the housing, an antifriction bearing within each housing section and contacting with said ring, a pair of aligned axle sections within the housing having their inner ends journaled in said antifriction bearings, the outer end portion of each axle section being shouldered, a roller bearing cone upon the shouldered portion of each axle section, a roller bearing cup mounted in each outer end portion of the housing, taper rollers between each cooperating cone and cup, and a wheel fixed upon the outer end portion of each axle section.

1,590,862. ROAD MAP AND HOLDER. JOHN R. SEAQUIST, Sister Bay, Wis. Filed Dec. 27, 1923. Serial No. 683,003. 2 Claims. (Cl. 40—85.)



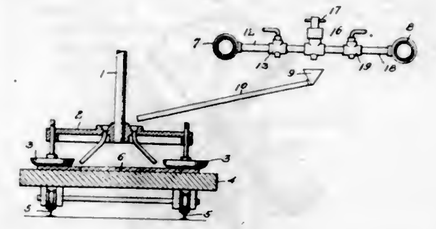
1. A device of the class described comprising a roller, a holder, spaced U-shaped clips adapted to engage a support, second clips, said second clips extending from the first mentioned clips and coacting with an arm thereof to detachably clasp the holder, a connecting bar for the clips offset with respect to the holder, and common means common to and securing the connecting bar and first and second mentioned clips together.

1,590,863. TIE TRUCK. GRANT B. SHIPLEY, Pittsburgh, Pa. Filed June 19, 1925. Serial No. 38,218. 10 Claims. (Cl. 105—365.)



1. A one-piece truck frame comprising hollow inverted side frame members, wheels housed therein, axles for said wheels mounted in the vertical webs of said side frame members, and a cross frame integral with the inside webs of said side frame members and lying below the central horizontal plane thereof.

1,590,864. ROUGE-FEEDING APPARATUS. JACOB SODERBERG, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed July 9, 1925. Serial No. 42,526. 3 Claims. (Cl. 51—263.)

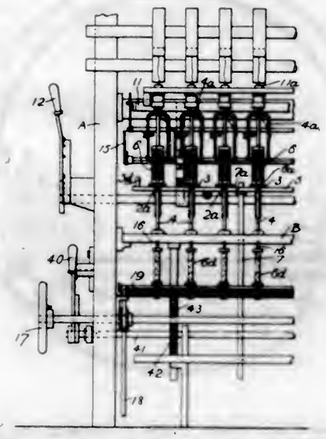


1. In combination with a polishing machine, a conduit containing a mixture of rouge and water under pressure, and a discharge outlet for conducting the mixture to said machine including a pipe passing through the wall of the conduit and having its inner end extended into such conduit to a point remote from said wall.

1,590,865. DOFFING MECHANISM FOR FLIER SPINNING, DOUBLING, AND LIKE MACHINES. ALFRED STELL, JOHN STELL, and HENRY WELCH, Keighley, England, assignors to Hall and Stells Limited, Keighley, England. Filed Jan. 29, 1926, Serial No. 84,663, and in Great Britain Jan. 28, 1925. 7 Claims. (Cl. 118—18.)

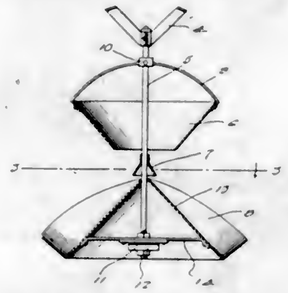
1. In spinning and like machines having doffing mechanism, rotary spindles having upper and lower bearings, fliers fixed on said spindles, an oscillating rail to which the upper bearings for the spindles are fixed, means for oscillating said rail, a lifter rail through which the

spindles take, means for moving said lifter rail longitudinally, washer holders mounted upon so as to move with and as the lifter rail moves, bobbin holders arranged to take beneath the bases of the bobbins, means for operating said holders, a series of fixed pegs ar-



ranged to receive the empty bobbins, another series of pegs arranged to receive the full bobbins, an oscillating rail upon which said pegs are fixed, devices for placing the empty bobbins upon their spindles and means for severing the threads.

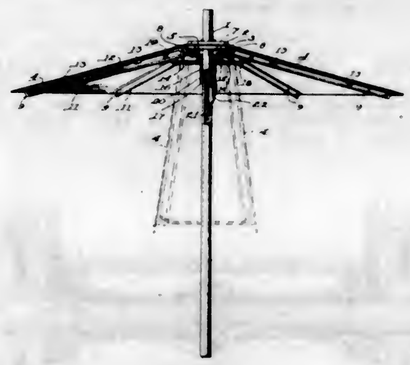
1,590,866. ENSILAGE SPREADER FOR SILOS. ALBERT TESKE, Butternut, Wis. Filed Feb. 26, 1926. Serial No. 90,802. 1 Claim. (Cl. 198—128.)



An ensilage spreader for use in the upper portion of a silo, comprising a hanger, a shaft connected with and pendant from said hanger, a funnel carried by said shaft, and spreading means also carried by the shaft and disposed below said funnel; the said spreading means comprising a primary spreader carried by the shaft and located immediately below the funnel, and a secondary and major spreader in the form of a rotor, mounted on ball bearings on the shaft and made up of a conical body and blades on said body and disposed to enable the gravitating ensilage to maintain the rotor in motion.

1,590,867. UMBRELLA. SIDNEY C. VINCENT, Baltimore, Md. Filed Oct. 27, 1921. Serial No. 510,776. 3 Claims. (Cl. 135—20.)

1. An umbrella comprising a rod, a hanger disk secured to the upper part of the rod and formed with a plurality of eyes radially arranged thereon, ribs having loops at their inner ends engaging said eyes, said ribs being formed of upper and lower parallel members, a disk-like spreader having apertures through which extend the lower parallel members of the ribs, said spreader being



slidable on the rod and slidable on said lower members of the ribs, whereby when the spreader is raised or lowered, corresponding movement will be imparted to the ribs.

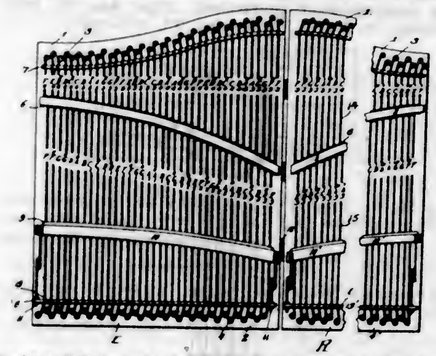
1,590,868. FUEL PUMP. HUGH WALLACE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1924. Serial No. 712,164. 8 Claims. (Cl. 103—53.)

1. A pumping device comprising in combination, an electro-magnet; a stationary core extending partly within said magnet; an armature associated with one end of the core and having an extension projecting through said core; a pump cylinder carried by the core; a piston in the cylinder, secured to the end of the armature extension; and means for controlling the electro-magnet to cause intermittent movement of the armature.

1,590,869. STRINGED MUSICAL INSTRUMENT. CHARLES S. WEBER, Lemoore, Calif. Filed Apr. 14. 1921. Serial No. 461,264. 2 Claims. (Cl. 84—264.)

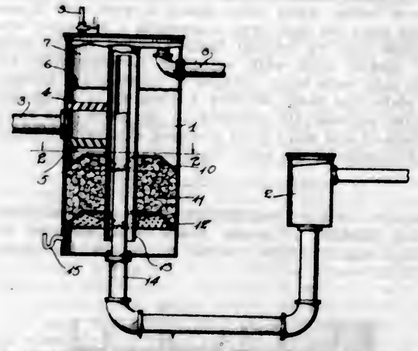
2. A stringed instrument having strings to give twenty-four steps to the octave, individual strings of fixed

length for each step, the steps differing one from the other, the smaller steps alternating with the larger throughout the scale leading from the longest string in



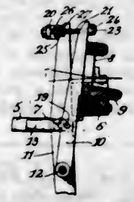
the bass division of the left set to the shortest string in the treble division of the right set; substantially as specified.

1,590,870. OIL-SEPARATING APPARATUS. CHARLES F. WILLIAMS, Philadelphia, Pa. Filed Apr. 30, 1925. Serial No. 26,947. 8 Claims. (Cl. 210—43.)



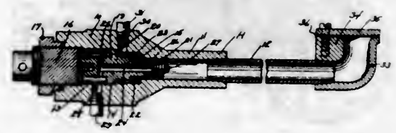
1. In a device of the class described, a separating tank, an inlet for admitting a fluid mixture thereto, means adjacent the inlet for separating a lighter from a heavier liquid in said mixture and deflecting the liquids in opposite directions, and independent means for withdrawing the two liquids from said tank.

1,590,871. WEAVING LOOM. ATTILIO ZANCHI, Seveso San Pietro, Italy, assignor to Fratelli Schwarzenbach & Co., Seveso San Pietro, Italy. Filed May 21, 1924, Serial No. 714,893, and in Switzerland July 27, 1923. 7 Claims. (Cl. 139—191.)



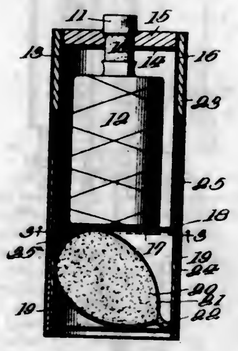
1. In a weaving loom, a swingably mounted batten, a reed, guide means for the shuttle, a part of said guide means being connected to the reed, the reed and its guide means part forming a unitary structure distinguished from the batten and arranged to move in advance of the batten at the end of the beat-up movement, and means adapted to impart an oscillatory movement to the reed and to the batten together between the extreme rear position and a point intermediate of the beating up point and to impart solely to the reed an additional oscillatory movement beyond the limit of movement of the batten relatively to the batten at a quicker rate between the intermediate point and the beating up point.

1,590,872. OIL BURNER. ROBERT N. ANGEVINE, Fitchburg, Mass. Filed Mar. 5, 1924. Serial No. 697,103. 2 Claims. (Cl. 158—75.)



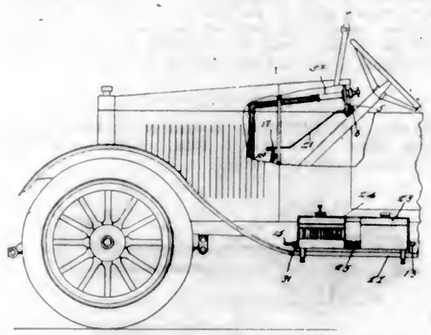
2. In an oil feed burner, a body having an internal chamber therein and open at its rear end, a burner tip supported by the forward end of the body, an oil diffuser disposed within the chamber having an axial bore therethrough and radially extending oil outlet openings communicating with the bore adjacent to the forward end thereof, a cleaning plug closing the forward end of the bore, a removable steam nozzle ring fitted upon the oil receiver in engagement with the inner surface of the body, an annular flange formed on the oil receiver engaging the body in spaced relation to the steam nozzle ring, means for feeding steam into the chamber intermediate the flange and the steam nozzle ring, and a removable plug fitted within the rear end of the body engaging said oil diffuser for holding the oil diffuser and steam nozzle ring in assembled position within said body.

1,590,873. PRIMARY CELL. SERGE APOSTOLOFF, Brooklyn, N. Y., assignor to Union Dry Battery Corporation of America, New York, N. Y., a Corporation of Delaware. Continuation of application Serial No. 476,537, filed June 10, 1921. This application filed Feb. 25, 1925. Serial No. 11,468. 5 Claims. (Cl. 136—113.)



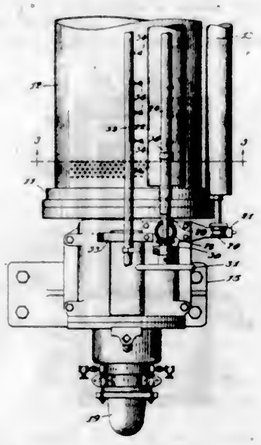
1. In an inactive battery cell adapted for activation and having an outside container and a contained electrode therewithin, the location of said electrode in the inactive condition being such as to provide a cavity below said electrode, a bulb-like, imperforate and brittle glass vessel containing electrolyte located within said cavity in the inactive condition of the cell and adapted upon movement of said electrode to be crushed and completely disintegrated to activate said cell, said cavity disappearing with the disintegration of the glass vessel.

1,590,874. ENGINE-COOLING MEANS FOR AUTOMOBILES. LUIS L. BALLESTEROS, Calexico, Calif. Filed Oct. 3, 1924. Serial No. 741,488. 1 Claim. (Cl. 123—174.)



In an automobile and in combination with the liquid cooling means of the internal combustion engine of the automobile, auxiliary cooling means comprising a tank for liquid, a radiator complementary to and connected with said tank, conduit connections between said auxiliary tank and radiator and the liquid cooling means of the engine, a manually controlled means for controlling connection between the liquid cooling means of the engine and the auxiliary tank and its radiator, and manually operable means for causing liquid to circulate from the auxiliary tank to the liquid cooling means of the engine and back to the radiator complementary to said tank.

1,590,875. LAYING ROLL. CONE BARLOW and EDWARD RICHARD CLAPP, Donnacona, Quebec, Canada. Filed May 13, 1924, Serial No. 712,959, and in Canada Jan. 17, 1924. 7 Claims. (Cl. 92—47.)

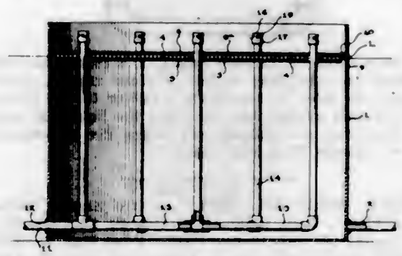


1. In a machine for the manufacture of a web of fibrous material, the combination of a suction device to act on said web, a screen for supporting the web as it passes said suction device, and means positioned to act on said web substantially as it enters the field of action of the suction device to set the fibres of the web in order to prevent distortion thereof by the suction device.

1,590,876. TUBE-PLATE CONSTRUCTION. STARR H. BARNUM and GUSTAVE WELTER, New Haven, Conn., assignors to The Bigelow Company, New Haven, Conn., a Corporation of Connecticut. Filed Aug. 31, 1925. Serial No. 53,546. 2 Claims. (Cl. 122—365.)

1. A water tube boiler unit comprising header members or drums, water tubes nested between said drums, a tube plate for each drum comprising a flat sided wall provided with an integral flange attached to the drum and integral cross walls extending inwardly from the plate, said walls being arranged to intersect one another, the plate, and flange whereby a plurality of substantial box-like recesses are provided in the plate, the intersections of said walls being arranged adjacent the points of attachment of the water tubes with said plates.

1,590,877. FIRE PREVENTING AND EXTINGUISHING MEANS. WILBERT BLACK, New Orleans, La. Filed Aug. 17, 1925. Serial No. 50,769. 4 Claims. (Cl. 220—26.)



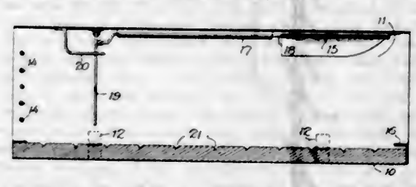
1. In a fire preventing means for an inflammable liquid in a tank, a float casing adapted to rise and fall with the level of liquid in the tank, and to be supported by said liquid, said float casing being made of buoyant material, a covering of light gauge relatively incombustible material on the float casing, and a plurality of globular buoyant relatively incombustible members housed within said float casing.

1,590,878. CATTLE GAP. HUGO BOHL, Pershing, Mo. Filed July 19, 1922. Serial No. 576,077. 1 Claim. (Cl. 119—155.)

A cattle gap for fences comprising spaced posts in the fence line, a cross piece secured to the posts and raised from the ground, a pair of posts spaced from the fence line, fencing connecting these posts with the first mentioned posts, a cross piece secured to the second pair of posts, spaced railings secured to the cross pieces, the

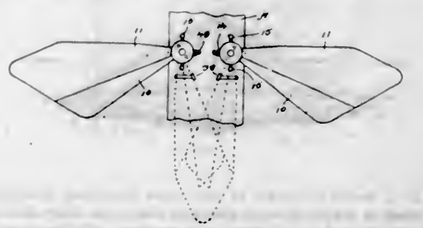
upper edges of said railings being rounded, the second cross piece being lower than the first mentioned cross piece so that the railings are held at an incline.

1,590,879. ANIMAL TRAP. CLARENCE D. BOYNTON, Norwich, Conn. Filed July 14, 1925. Serial No. 43,591. 2 Claims. (Cl. 43—61.)



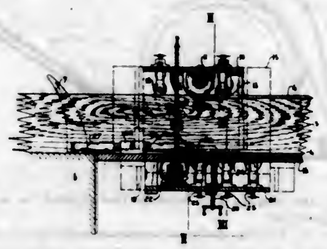
1. A trap comprising an elongated base having grooves extending transversely of its upper surface and forming a friction tread, a body pivoted at one side on said base and having fastening means on its opposite side said body having a curved top, bars extending across and forming an obstruction at one end of said body, a trap door pivoted in the opposite end of the body to the top and adapted to be secured in a substantially horizontal position to permit free access into the body and adapted to be released to permit the door to swing downwardly and substantially close the passage through the body said door being curved to conform to the curvature of the top, a tube secured longitudinally within the body to the top, a bar slidable in said tube into position to engage under the edge of said door when in elevated position, a trigger element pivoted adjacent the end of said tube remote from the door and having pivoted connection with said bar whereby when the trigger element is swung on its pivot the bar will be moved longitudinally to permit the trap door to swing to its closed position, substantially as set forth.

1,590,880. AEROPLANE. ALBEN V. BROQUIST, Chisago City, Minn. Filed May 3, 1924. Serial No. 710,883. 4 Claims. (Cl. 244—12.)



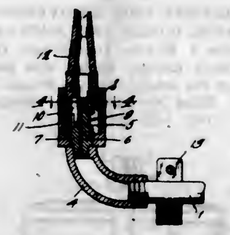
1. In an aeroplane, wings including relatively movable sections capable of being folded one beneath the other, means for normally holding said sections extended, means for simultaneously raising and lowering the wings in opposite directions to stabilize the machine, and means for moving said wings toward the body of the machine and simultaneously folding said sections.

1,590,881. WIDTHING MACHINE FOR PLANKS AND LATHS. JACOBUS BROUWER, Rotterdam, Netherlands, assignor to Naamlooze Vennootschap Arnold I. van den Bergh's Emballage Fabrieken, Rotterdam, Netherlands, a Dutch Company. Filed Dec. 16, 1924, Serial No. 756,297, and in Holland Dec. 18, 1923. 6 Claims. (Cl. 144—90.)



1. A smoothing machine for planing, milling or boring the narrow edges of a thin board as it passes with a main piece of timber from a sawing machine, including a frame forming a guideway for the main piece of timber, cutter and pressure tools mounted on the frame, and a pair of guiding elements mounted on the frame and positioned between the main piece of timber and the thin board which has been cut therefrom for coacting with cutter and pressure tools, substantially as and for the purposes set forth.

1,590,882. GAS TORCH. HARRY E. BROWN and JOHN HREBENYAR, Plainfield, N. J. Filed Jan. 14, 1925. Serial No. 2,362. 1 Claim. (Cl. 158—27.4.)

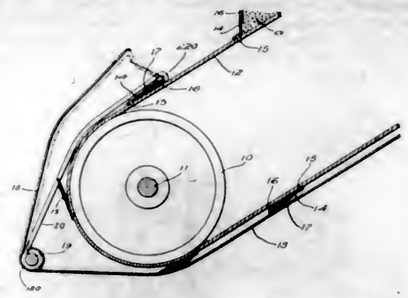


A device of the class described including a pipe forming a handle and an elbow connected with one end of the pipe, a tip threaded into the outer end of the elbow, said tip being formed with enlarged threaded parts spaced to provide an annular recess, said tip having one of its enlarged threaded parts formed with longitudinal extending notches, which extend into the bottom wall of the annular recess to provide air-passages, a cup shaped member threaded on to one of the enlarged portions adjacent the elbow, said tip being formed with a longitudinal portion and a nozzle threaded on to the enlarged part at the outer end of the tip and formed with a Venturi passage.

1,590,883. LOADING AND CONVEYING MECHANISM. CYRUS A. BRYANT, Passaic, N. J. Filed June 17, 1925. Serial No. 37,759. 8 Claims. (Cl. 198—195.)

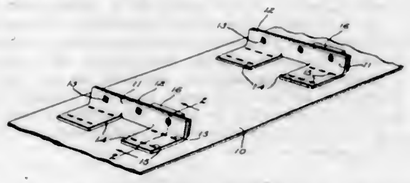
1. In a loading and conveying means, an endless conveyer belt, flights thereon adapted to be raised, and

hinged flight-lifting members disposed in the path of travel of the flights and positioned to engage the forward



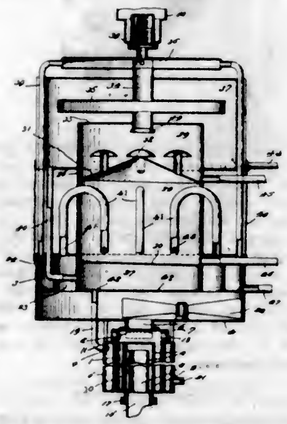
edges of the flights for raising the flights to a load-receiving position.

1,590,884. CONVEYER BELT. CYRUS A. BRYANT, Passaic, N. J. Filed June 19, 1925. Serial No. 38,249. 2 Claims. (Cl. 198—199.)



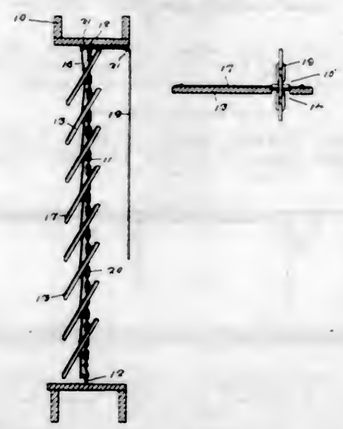
2. A conveyer belt having cleats thereon composed of flexible material, and a stiffening plate disposed on said material at the forward face of the cleat, said plate rising above the upper edge of the flexible material.

1,590,885. PROCESS FOR RECOVERING AND PURIFYING WASTE GASES AND APPARATUS THEREFOR. GEORGE J. BURNS, Youngstown, Ohio, and JOHN E. BEST, Grand Rapids, Mich.; said Best assignor of one-fourth of the whole right to Wanda French, Cleveland, Ohio. Filed Nov. 10, 1923. Serial No. 673,964. 14 Claims. (Cl. 183—95.)



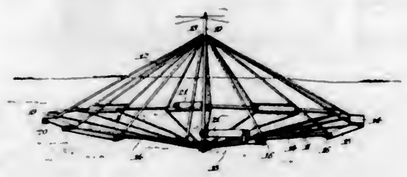
1. A device of the class described which comprises means for removing carbon from the exhaust gases, means for separating the heavy hydrocarbon liquid from said gases, means for separating the light hydrocarbon liquid from said gases, means for further purifying said gases, means for introducing motor fuel into the device at a point near the top, and means for permitting circulation of said motor fuel in the device out of contact with exhaust gases.

1,590,886. WINDOW BLIND. FERDINANDO CARELLA, Hoboken, N. J. Filed Jan. 28, 1925. Serial No. 5,388. 1 Claim. (Cl. 156—16.)



In a window shutter, the combination with a frame, of spaced vertically disposed chains having their opposite ends secured to the top and bottom of the frame, slats provided with transversely disposed elongated openings adjacent their ends, plates secured on the slats near the ends thereof and provided with reduced portions positioned transversely across the openings in the slats, pulleys journaled upon the reduced portions and engaging through certain opposite links of the chains, whereby the rollers may have free movement as the slats are inclined toward closed positions, and a cable extending through and secured to the slats for operating the slats toward closed positions, and guides at the top of the frame for the passage of the cable.

1,590,887. MERRY-GO-ROUND. HERBERT D. CLAYTON, Hill City, Kans. Filed Dec. 11, 1924. Serial No. 755,240. 2 Claims. (Cl. 272—33.)

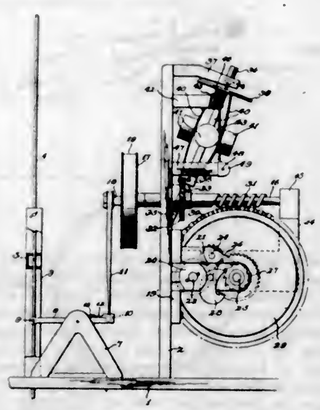


2. A merry-go-round of the class described including a mast, a series of seats disposed about the mast distant therefrom and overlapping one another, alternate seats being at a higher level than adjacent seats; together with arms extending from the mast adjacent the base thereof to said seats and other arms extending from the mast near the top to said seats, both series of arms being turnably mounted at their inner ends, and one arm of each of said series being connected with the overlapped ends of two adjacent seats.

1,590,888. NUT LOCK. CORWIN C. CUNNINGHAM, Toronto, Kans. Filed Apr. 1, 1924. Serial No. 703,516. 2 Claims. (Cl. 151—24.)

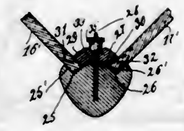
1. A nut lock structure comprising a nut having a threaded bore adapted to receive a threaded bolt, said nut having a radially directed seat rectangular in cross section and opening into the bolt receiving bore of the nut and having its outer end portion enlarged from opposite sides to form side recesses at the outer end of the seat, a wedge rectangular in cross section and inserted in said seat and having a sharpened inner edge disposed longitudinally of a bolt received in said bolt receiving bore to span and cut into the threads of the bolt, said wedge having its inner end portion spaced from opposed walls of the seat and having opposed side faces of its outer end portion provided with grooves disposed in facing relation to the recesses at the outer end of the seat when the wedge is inserted in the seat and driven into biting engagement with the bolt, and means to secure the wedge in the seat.

1,590,889. PUMPING MECHANISM. BERNARD C. CURRY, Kankakee, Ill. Filed Aug. 6, 1924. Serial No. 730,468. 2 Claims. (Cl. 185—37.)



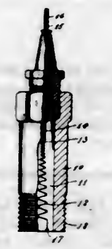
1. A structure of the character described comprising a support, a bearing bracket extending from said support, a drive shaft, said support being formed with a bearing opening aligned with the bearing of said bearing bracket, a drive shaft journaled in the bearing opening and bearing bracket, a second bearing bracket carried by said support at one side of the first-mentioned bearing bracket, a motor carried by the second bracket and including a rotary drum disposed between the brackets and a worm gear carried by the drum, a worm provided upon said drive shaft and operatively engaged by the worm gear, a governor including a shaft rotatably connected with said support at one side of said drive shaft, and gearing for transmitting rotary motion from said drive shaft to the shaft of said governor.

1,590,890. JOINT FOR GLASS PLATES. LEA EASTERMAN, Brooklyn, N. Y. Filed Dec. 18, 1922. Serial No. 607,469. 8 Claims. (Cl. 189—78.)



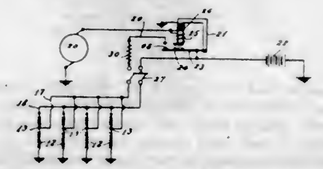
1. In a transparent joint for glass plates, in connection with such glass plates the combination of a transparent front member, a bolt rigidly secured with one end in said transparent front member, a perforated transparent rear member adapted to register with the plates in the angle in which they are to be joined, and means adapted to operatively engage with the aforesaid bolt to tighten the glass plates between the transparent front and rear members.

1,590,891. IGNITION ELEMENT. JOHN ALLEN HEANY, New Haven, Conn., assignor to Heany Laboratories, Inc., New Haven, Conn., a Corporation of Connecticut. Filed Aug. 2, 1921, Serial No. 489,158. Renewed Mar. 24, 1926. 24 Claims. (Cl. 123—145.)



7. An ignition device for a variable speed internal combustion engine, consisting of a heating unit so arranged that at a certain voltage one portion is heated and at an increased voltage an adjoining portion is heated, and at a still higher voltage the entire element is heated.

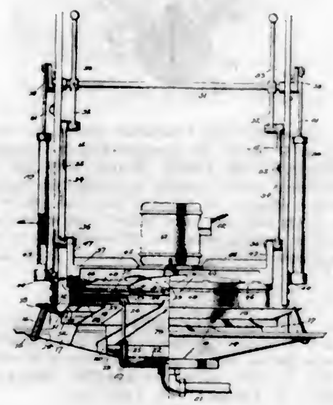
1,590,892. IGNITION SYSTEM. JOHN ALLEN HEANY, New Haven, Conn., assignor to Heany Laboratories, Inc., New Haven, Conn., a Corporation of Connecticut. Filed Nov. 30, 1921, Serial No. 518,821. Renewed Sept. 12, 1925. 13 Claims. (Cl. 123—145.)



1. A continuous circuit ignition system for variable speed internal combustion engines, including an ignition

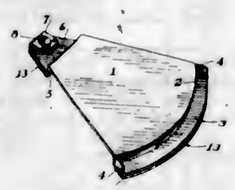
element having sections, and means for definitely controlling the heating of said sections to igniting temperature.

1,590,893. HUMIDIFIER. WILLIAM B. HODGE, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1923, Serial No. 634,640. Renewed May 13, 1926. 16 Claims. (Cl. 183—24.)



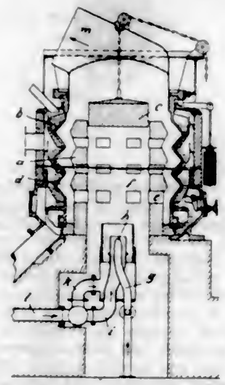
1. A humidifier of the type in which water is atomized by discharging it centrifugally from a rotary element, characterized by the use of a cupro-nickel alloy of substantially the composition of Monel metal for the wetted surface of said element.

1,590,894. TRUNK SUPPORT AND GUIDE. JOSEPH A. KILLINGER and ANDREW W. BEAN, Washington, D. C. Filed June 1, 1925. Serial No. 34,263. 7 Claims. (Cl. 190—38.)



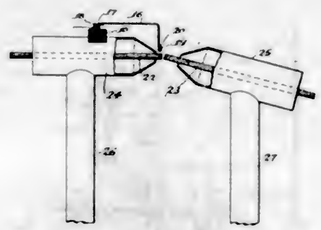
6. A guide and wear plate for wardrobe trunks, comprising an independent wholly separable section of less width and length than the similar dimensions of the trunk when closed, said section being formed at one end to support the sections of the trunk to permit their relatively hinged movement and being formed at the opposite end to support the sections of the trunk during their relatively opening and closing movement.

1,590,895. DISTILLATION OF SOLID MATERIAL. OSKAR LASCHE, deceased, late of Berlin-Charlottenburg, Germany, by Fritz Lasche, executor, Berlin-Charlottenburg, and Carl Geissen, Berlin-Schoneberg, Germany, assignors to Kohlenveredlung G. m. b. H., Berlin, Germany, a Firm. Filed Nov. 15, 1923. Serial No. 675,022. 6 Claims. (Cl. 202—8.)



3. The method of distilling solid bituminous material comprising continuously moving such material along a heating surface and heating said surface primarily by the heat radiated from a massive heating body.

1,590,896. SAFETY DEVICE FOR SEARCHLIGHTS. FRANK W. LINSTADT, Los Angeles, Calif. Filed Mar. 15, 1923. Serial No. 625,292. 1 Claim. (Cl. 176—112.)

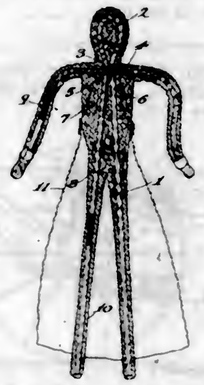


A safety device for search lights comprising a block of insulating material mounted upon the support of the positive electrode of an arc lamp, brackets of conducting material formed with offset ends provided with openings, binding posts inserted through the openings and connecting the brackets to the block and for connecting conductors to the brackets, said brackets having downturned ends spaced apart, and a strip of fusible material connecting the downturned ends, so that when the safety device is mounted upon the arc lamp the fusible strip will be near the arc and when the positive carbon becomes too short the arc will fuse the strip and break the circuit.

1,590,897. PRODUCTION OF METALLIC CATALYSTS. ERNEST JOSEPH LUSH, London, England, assignor to Technical Research Works Limited, London, England. Filed May 11, 1925, Serial No. 29,617, and in Great Britain July 16, 1924. 2 Claims. (Cl. 204—1.)

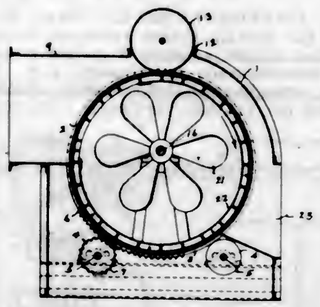
1. The method of activating metallic surfaces and restoring such activity in spent catalysts, which consists in subjecting the metallic surfaces to an electrolytical anodic oxidation using as the electrolyte an aqueous solution of a salt of an alkali metal, which salt will not allow the metal of said surfaces to pass into solution, whereby the metal on oxidation contains the adsorbed salt in intimate contact therewith, and afterwards reducing in hydrogen.

1,590,898. DOLL. CLAIRE P. MCAULEY, Los Angeles, Calif., assignor of one-half to Rebecca K. Morris and one-half to Jerome H. Boulieste, both of Los Angeles, Calif. Filed May 7, 1923, Serial No. 637,260. Renewed May 10, 1926. 3 Claims. (Cl. 46—40.)



1. A doll frame comprising a section of wire bent centrally to provide a closed head forming loop having abutting portions forming a neck of the doll, the ends of said wire diverging downwardly from said abutting portions, a second section of wire laid across said abutting portions forming shoulder, arm and hand portions, and a tie securing said sections of wire together at said neck forming abutting portions.

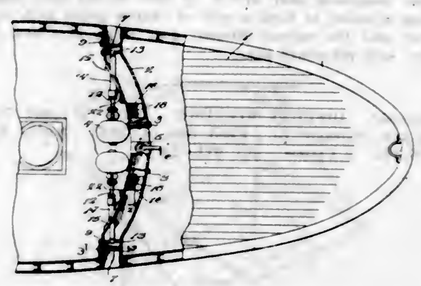
1,590,899. CONDENSER. FRANK H. MCSWEENEY and JOHN C. ROGERS, Houston, Tex. Filed Mar. 9, 1926. Serial No. 93,425. 6 Claims. (Cl. 19—156.)



1. A condenser including a suction flue, a rotatable foraminated drum, spanning the flue, and means within the drum for creating an air current through said flue.

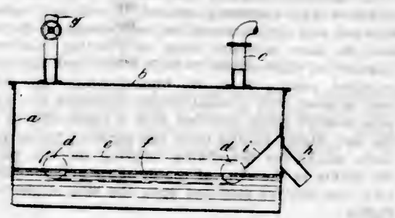
1,590,900. STEERING AND PUMPING MECHANISM. FRED V. MEDYNSKI, Medford, Oreg. Filed Aug. 13, 1925. Serial No. 50,094. 1 Claim. (Cl. 114—148.)

Apparatus for the purpose set forth comprising a tube to extend through a vessel and open through the sides of the same, a valve disposed between the ends of the tube, outwardly opening valves in the ends of the tube, suction tubes communicating with said tube and depending therefrom at opposite sides of the first-mentioned



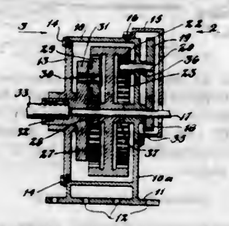
valve therein, upwardly opening valves within said suction tubes, and means for inducing flow of water through the tubes.

1,590,901. PROCESS FOR THE DESTRUCTIVE DISTILLATION OF WOOD. JOHN STANLEY MORGAN, London, England, assignor to Thermal Industrial and Chemical (T. I. C.) Research Company, Limited, London, England. Filed Oct. 1, 1921. Serial No. 504,711, and in Great Britain Nov. 2, 1920. 3 Claims. (Cl. 203—6.)



1. A process of destructively distilling wood, which consists in subdividing the wood and distilling it in contact with molten metal which is of such mass relative to the mass of wood undergoing treatment that the temperature of the distillation remains substantially constant notwithstanding the heat evolved by exothermic changes occurring during the distillation.

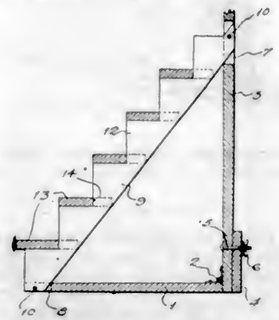
1,590,902. UNIVERSAL GEAR-SPEED TRANSFORMER. WILLIAM NATISCH, Malverne, N. Y. Filed Dec. 31, 1924. Serial No. 759,091. 8 Claims. (Cl. 74—34.)



1. In a speed changing device of the kind described, a support, a driving shaft and a driven shaft journaled thereon in co-axial alignment with each other, a pair of spur gears on said driving shaft, a pair of internal gears loosely mounted on said driving shaft, a planetary gear

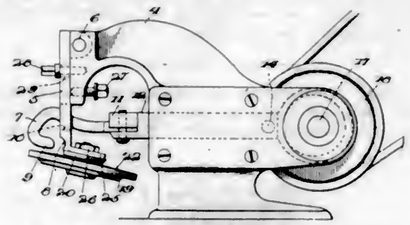
held on said driven shaft meshing into one of said spur gears, a pair of compound gears, one of said internal gears being driven by one of said compound gears, the other compound gear driven by said second spur gear being mounted to form a pair of change gears with the same, and the second internal gear being arranged to drive said planetary gear.

1,590,903. DISPLAY FIXTURE. JAMES VINCENT NEVILLE, Chicago, Ill. Filed Nov. 6, 1925. Serial No. 67,342. 2 Claims. (Cl. 211—24.)



1. In a device of the character described, base members, uprights hingedly secured to the respective base members and extending beyond the hinged connections between said uprights and the base members, the uprights and the base members being in abutting relation when disposed at right angles to each other, each upright being provided remote from its hinged connection with the base member with a longitudinal extending slot and each base member being provided with a longitudinally extending slot, flights having their end portions fitting into said slots, means for detachably securing the end portion of the flights in the slots of the uprights and the base members, and shelves mounted upon the step elements of the flights.

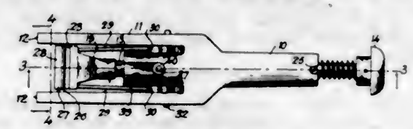
1,590,904. MACHINE FOR MOLDING INSOLE FLANGES. ADAM H. PRENZEL, Halifax, Pa. Filed July 9, 1925. Serial No. 42,545. 6 Claims. (Cl. 12—30.)



1. A machine of the character described comprising a table, an anvil providing a support for the table which serves as a guide for a flanged shoe sole while moving across the anvil, and a reciprocating hammer operating against the anvil to mold the flange into a predetermined cross sectional shape.

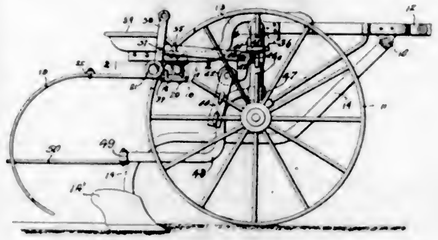
1,590,905. LUMBER-STAMPING DEVICE. JACOB J. RETTMER, Lufkin, Tex. Filed Sept. 19, 1925. Serial No. 57,439. 7 Claims. (Cl. 101—333.)

2. A stamping device comprising a body, a rod extending through said body, a knob on the rear end of said rod, a die member on the forward end of said rod, arms on said body extending in parallel relation alongside said die member for guiding the same said rod having its end about the polygonal formation for engagement with a



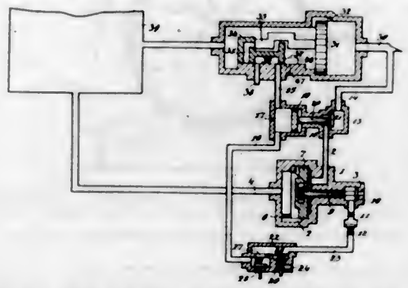
polygonal recess in the die member the extremity of said die member being adapted to seat upon the shoulder formed about the polygonal extremity of the operating rod, substantially as set forth.

1,590,906. RAKING ATTACHMENT. JOHN H. RICHARDSON, Donalsonville, Ga. Filed Jan. 9, 1925. Serial No. 1,406. 3 Claims. (Cl. 56—390.)



1 A raking attachment for a cultivator comprising a head member, a rock shaft therefor, means for supporting the shaft from the cultivator, a standard fixed to said member, a shipper bar fixed to the standard, means for slidably connecting said bar to the axle of the cultivator, a roller, means for connecting it to a cultivator wheel, a trip lever pivotally connected to said bar and having its lower end arranged in the path of travel of said roller and having its upper end provided with a roller, a stop connected to the cultivator axle and arranged in the path of the roller carried by the trip lever, and rearwardly extending raking teeth secured to the head member.

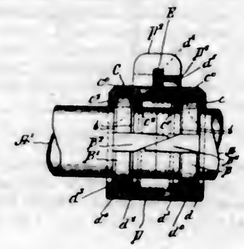
1,590,907. AIR-PRESSURE BRAKE. JOHANN RIHOSEK, Vienna, and RICHARD LUDWIG LEUCHTER, Weidlingau-Hadersdorf, Austria, assignors of one-half to Gebrüder Hardy Maschinenfabrik und Giesserei A. G., Vienna, Austria. Filed Dec. 1, 1925, Serial No. 72,566, and in Austria Oct. 21, 1925. 10 Claims. (Cl. 303—74.)



1. In an air pressure brake plant for railways the combination of a train pipe, a brake cylinder, a conduit leading from the brake cylinder to the brake control valve, a brake control valve and an auxiliary reservoir associated to such cylinder and a shutting off element

adapted to interrupt the escape of air under pressure from the brake cylinder, a brake release control valve interposed between the brake control valve and an opening leading to the atmosphere, means for actuating the brake release control valve, such means being permanently acted upon, in one direction by the air under pressure in the auxiliary reservoir and means operatively connected with the said brake control valve and adapted to control the communication of the train pipe with the other side of the said means for actuating the brake release control valve, whereby the said communication is open in the braking position of the said brake control valve, and shut off in the releasing position of the said brake control valve.

1,590,908. PIPE COUPLING. IRA MANET RILES, Tuscaloosa, Ala. Filed June 15, 1925. Serial No. 37,369. 4 Claims. (Cl. 285—100.)

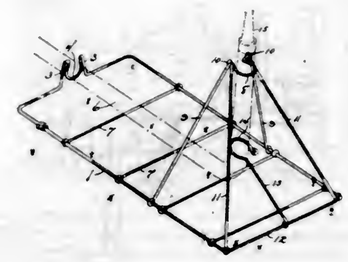


1. A pipe coupling comprising a housing block and a cap adapted to fit therein, each provided with internally projecting ribs forming grooves, the said housing block being provided with oppositely disposed ears, each provided with an engaging notch, and one of said ears having a slot substantially at right angles to said notch, a tapered key adapted to be driven into engagement with said notches and to press down against said cap and to swing into said slot, and annular rubber gaskets adapted to slip over the ends of the pipe to be joined and to be compressed into said grooves under the action of said key.

1,590,909. POULTRY FEEDER. JAMES ROAT, Canandaigua, N. Y. Filed Mar. 30, 1926. Serial No. 98,540. 2 Claims. (Cl. 119—70.)

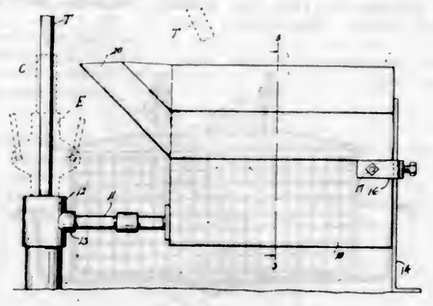
2. A poultry feeder including a hopper supported above the ground and having openings in its bottom, means preventing the direct flow of feed through the openings, a drag member on the floor of the hopper and means controlled by movement of the poultry for reciprocating the drag member across the floor of the hopper to move small quantities of feed into alignment with the openings, said drag member comprising a chain.

1,590,910. HOSE HOLDER. WILLIAM EDWARD RUMRILL, Salina, Kans. Filed July 20, 1925. Serial No. 44,889. 2 Claims. (Cl. 248—29.)



2. A support for lawn hose, comprising a substantially rectangular base formed from a strand of wire having its inner end bent upwardly and rounded inwardly to provide a spring hose engaging jaw, a second spring hose engaging jaw adjacent to the opposite end of the base, angular arms extending therefrom and connected to the sides of the base, brace rods between the second jaw and the outer end of the base, a hook carrying rod pivotally and slidably mounted on the said outer end of the base, and the hook of said rod being designed to engage the hose, and transversely arranged brace members secured to the sides of the base.

1,590,911. OIL SAVER. S. HARRY RUSSELL, Lexington, Ky., assignor of one-third to W. H. Young and one-third to W. E. Lang, both of Lexington, Ky. Filed June 26, 1925. Serial No. 39,874. 4 Claims. (Cl. 166—1.)

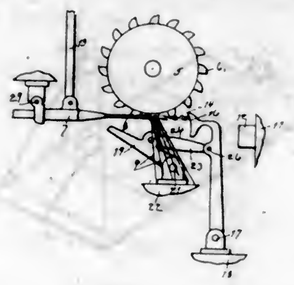


1. An oil saver comprising a receptacle open at the top, means connecting one end of the receptacle with the casing head of a well to support said end adjacent the well and means to adjustably support the opposite end of the receptacle.

1,590,912. SAFETY DEVICE FOR WATER WHEELS. STEVEN A. SCANAVINO, Santa Cruz, Calif. Filed May 2, 1925. Serial No. 27,548. 2 Claims. (Cl. 253—24.)

1. In a device of the character described, the combination with a water wheel, a nozzle positioned adjacent said water wheel, a movable member in alignment there-

with, said movable member being pivoted to a suitable support, a deflector pivoted at a point below said water wheel, a link connecting said deflector and said mov-

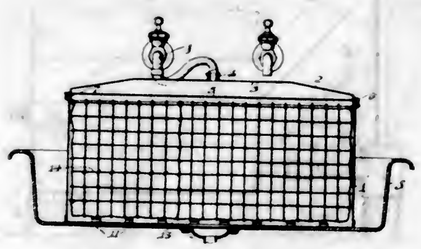


able member for the purpose of moving said deflector to a point between said nozzle and said water wheel when the fluid issuing from said nozzle strikes said movable member.

1,590,913. PROCESS FOR SOFTENING WATER. FRITZ SCHMIDT, Dobeln, Germany. Filed Oct. 21, 1925, Serial No. 63,989, and in Germany Jan. 12, 1924. 3 Claims. (Cl. 210—23.)

1. The process for softening water comprising simultaneously adding to water to be softened caustic alkali, carbonate, borates and an alkali compound which dissociates in water to form a flocculent precipitate in such proportions as to substantially soften the water and to cause only a limited hydrolysis of the alkali compound to form a quantity of flocculent precipitate sufficient to cause clarification of the treated water.

1,590,914. DISHWASHER. MARGARET E. SCHRAMM, Chicago, Ill. Filed Nov. 1, 1921. Serial No. 512,108. 2 Claims. (Cl. 141—9.)

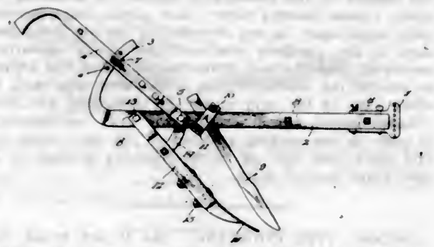


1. A portable dishwasher adapted to be placed in a sink comprising a container having an open bottom, a perforated cover, and a plurality of girders attached to the lower portion of a side wall of said container and a draining basket resting on said girders in a position above the used dishwasher water.

1,590,915. COMPOSITION OF MATTER FOR REMOVING INCRUSTATIONS. MARY ELIZABETH STEWART, Cincinnati, Ohio. Filed Aug. 25, 1924. Serial No. 734,074. 2 Claims. (Cl. 87—27.)

1. A composition of matter consisting of a mixture of sugar of lead, sal soda, and gum japonica.

1,590,916. PLOW. JOSEPH C. STROMATT, Caldwell County, Ky. Filed Oct. 9, 1925. Serial No. 61,582. 2 Claims. (Cl. 97—196.)



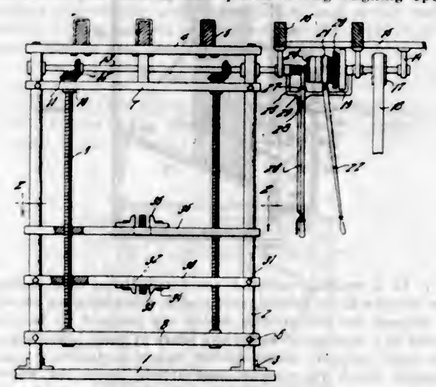
1. An implement of the character specified comprising a beam consisting of companion members laterally spaced and having their rear portions curved upwardly, forwardly and laterally, handle bars pivoted at their lower ends to the beam and adjustably connected intermediate their ends to the upwardly, forwardly and laterally curved extensions thereof, and earth treating devices mounted upon the beam.

1,590,917. MECHANICAL PENCIL. MILTON C. TAYLOR, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,674. 2 Claims. (Cl. 120—18.)

1. In a mechanical pencil provided with a casing having a tip, a lead propeller having a lateral projection, a rotatable shell within the casing, an extension on the shell and provided with a slot through which the projection extends, an inner barrel having a fin, and a member cooperable with said fin and the extension to produce longitudinal movement of the propeller upon rotation of the shell and extension.

1,590,918. GEAR PULLER. FRANCIS TINDELL, Knoxville, Tenn. Filed Aug. 15, 1925. Serial No. 50,455. 2 Claims. (Cl. 29—85.)

1. In a device for the purpose set forth, a base, guide standards arising therefrom and secured thereto, upper supports for the standards, guide bars adjustably secured to the standards, screws freely journaled in bearings in said bars but held from longitudinal movement therethrough, gears on the upper ends of the screws, a line shaft having gears in mesh with the first mentioned gears, spaced plates guided on the standards, one of which freely receives the screws therethrough and is adjustably secured to the standards, the other having threaded openings for engagement by the threads of the screws, both of said plates having aligning open-



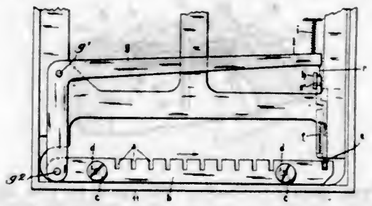
ings therethrough, jaws arranged in adjustable series opposite said openings, a drive shaft, and transmission means for hitching the drive shaft to the line shaft to cause the line shaft to travel with the drive shaft or to reverse the turning of the line with respect to the drive shaft.

1,590,919. GAUGE. JOHN WAHL and OTTO MELZER, Brooklyn, N. Y., assignors to A. Schraeder's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 5, 1924. Serial No. 724,359. 10 Claims. (Cl. 73—111.)

1. A pressure gauge comprising a casing, a pressure responsive member, a pressure indicating member movable by but disconnected from the pressure responsive member, one of said members having a calibrated scale and means for adjusting the normal zero position of the indicating member from the exterior of the casing for proper registering of pressure after the gauge parts have been assembled.

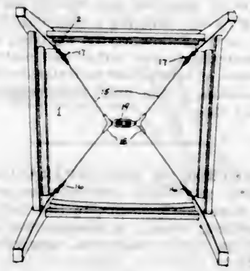
1,590,920. CALCULATING MACHINE. OTTO WERNECKE, Brunswick, Germany, assignor to Grimme, Natalis & Co., Aktiengesellschaft, Brunawick, Germany, a Corporation of Germany. Filed Feb. 29, 1924, Serial No. 695,983, and in Germany Mar. 7, 1923. 6 Claims. (Cl. 235—63.)

3. In a calculating machine, in combination, setting mechanism, registering mechanism coacting therewith and movable relatively thereto, a shiftable keeper means, means to latch the registering mechanism to said keeper means in positions for transmitting values from the registering mechanism to the setting mechanism, a lock normally holding said keeper means against shifting, and



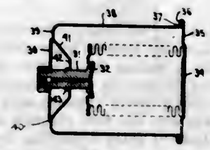
means for releasing the lock from the keeper means and to unitarily shift the keeper means and registering mechanism to position the latter for carrying values to the setting mechanism.

1,590,921. FASTENING DEVICE. THEODORE H. WITTLIFF, Cleveland, Ohio. Filed June 7, 1924. Serial No. 718,507. 7 Claims. (Cl. 155—197.)



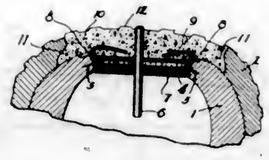
1. In an article of the character described, the combination of a plurality of bolts adapted to be applied, respectively to the corner posts of a frame structure, a fastening member adjustably secured to the inner end of said bolts, a pair of tension wires adapted to have their respective ends secured to the terminal members of respective pairs of said bolts, and means connecting the central portions of said tension wires for varying the tension thereof.

1,590,922. THERMOSTATIC VALVE. WILLIAM R. ZIMMERMAN, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 7, 1926. Serial No. 100,277. 14 Claims. (Cl. 236—34.)



1. In a device of the character described, the combination of a casing adapted to be fixed within a circulatory conduit and having spaced openings therein for the flow of liquid therethrough, an expansible and contractible thermostatic element mounted on said casing, a valve secured to said element, said valve closing the passage of liquid through said casing in the contracted position of said element, and said casing carrying a member extending transversely with respect to the line of movement of said valve and into the path of movement of said element upon expansion for limiting the movement thereof.

1,590,923. TREE SURGERY. STANLEY L. BARBER, Pasadena, Calif. Filed Feb. 23, 1923. Serial No. 620,788. 5 Claims. (Cl. 47—8.)

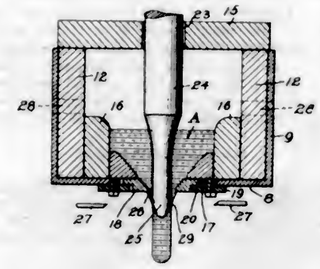


1. The method of caring for trees in tree surgery which consists of removing the decayed part in a tree, placing a covering over the opening or entrance to the hollow cavity so formed, and providing ventilating means through the covering adjacent the top and bottom thereof.

2. The method of caring for trees in tree surgery which consists of placing a covering over the entrance to the hollow cavity in the tree, and inserting an outwardly and downwardly inclined ventilating tube through the covering into the hollow cavity adjacent its bottom.

4. The method of caring for trees in tree surgery which consists of removing the decayed part of a tree to form a hollow cavity, securing a reticulated material over the entrance to the hollow cavity, applying a water-proofing plastic material to the reticulated material, securing a second section of reticulated material over the entrance in spaced relation to the first, and applying a cementitious material thereto.

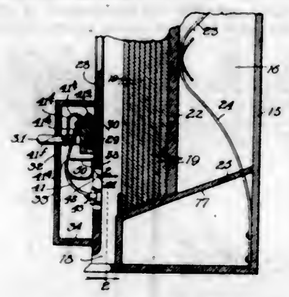
1,590,924. METHOD OF AND APPARATUS FOR FEEDING GLASS. ORVILLE A. BRIDGES, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Nov. 25, 1918. Serial No. 264,015. 22 Claims. (Cl. 49—55.)



4. The method of serving predetermined quotas of glass from a mass of molten glass contained within a receptacle having a bottom flow orifice, which consists in permitting a body of glass to flow by gravity through said orifice, in inserting a punty through said orifice into said body of glass whereby the flow through said orifice is retarded and the body of glass depending from said orifice is transferred to and supported by said punty, in allowing said body to stretch to reduce its diameter and to form a top contracted neck thereto, in interrupting the flow through said orifice by upward movement of said punty and then in severing said neck during said upward movement and permitting said body to drop by gravity.

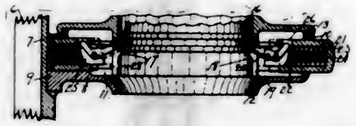
22. Apparatus for feeding molten glass, having in combination a receptacle having an opening in its floor, a block having an orifice of downwardly decreasing diameter in said opening, a refractory ring having a similar orifice secured below the block, and a reciprocating plunger movable in the outlet formed by the two parts.

1,590,925. VENDING MACHINE. DONALD K. CAMPBELL, Chicago, Ill. Filed Mar. 10, 1919. Serial No. 281,578. 14 Claims. (Cl. 211—8.)



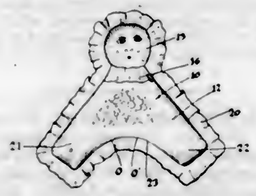
1. In a vending machine, the combination of a casing for articles to be vended, said casing containing an outlet, a support for the articles which are adapted to be disposed in a horizontal series and bears at their lower edges on said support, stops spaced apart horizontally and against which the forwardmost article bears, the width of the space between said stops being less than the length of the articles to be vended, and means for bodily shifting the forwardmost one of the articles along said support first in one direction to clear one of said stops and then in the opposite direction to clear the other of said stops.

1,590,926. DISPENSING MACHINE. HENRY B. COOLEY, Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J., a Corporation of New Jersey. Filed Oct. 9, 1924. Serial No. 742,629. 16 Claims. (Cl. 211—8.)



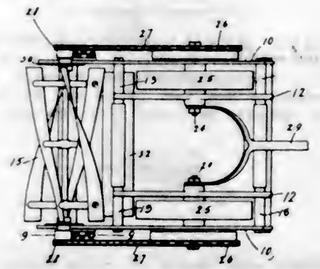
1. A dispensing machine comprising means for supporting articles to be dispensed, an actuator movably mounted in cooperative relation with respect to said article supporting means, a support mounted on and carried by said actuator and loosely connected therewith to permit movement of the actuator independently of said support, and an article disengaging member movably mounted on said support and connected with said actuator for operation thereby to disengage articles from said supporting means.

1,590,927. SOFA PILLOW SIMULATING DOLL. WILLIAM DUNCAN and MICHAEL JOHN DUFF, Los Angeles, Calif. Filed Aug. 20, 1924. Serial No. 733,190. 2 Claims. (Cl. 46—40.)



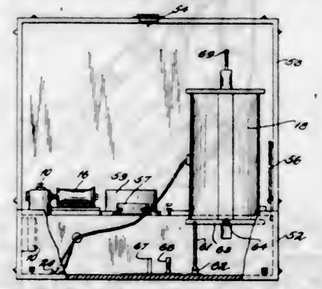
1. A sofa pillow comprising a front face and a back face, each of said faces being formed of two pieces, one of which constitutes a body portion and the other of which constitutes a head portion, the pieces of each face having their contiguous edges stitched together to provide an inturned seam, a ruffle having its base secured between the edges forming said inturned seam, said front and back faces having their edges stitched together to provide a second inturned seam and a second ruffle extending peripherally around said pillow, said second ruffle having its base portion secured between the edges of the faces forming said second inturned seam.

1,590,928. LAWN MOWER. JOHN ERDMAN, Milwaukee, Wis. Filed June 2, 1924. Serial No. 717,380. 1 Claim. (Cl. 56—252.)



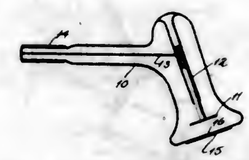
A lawn mower comprising a frame including spaced outer parallel side plates, an axle between said plates at the forward end of the frame, a rotary cutter mounted on said axle, sprockets upon the ends of said axles, a stationary blade adjustably mounted upon said plates, rods connecting the plates, relatively short plates spaced inwardly from the outer plates by the connecting rods, spaced sleeves on said rods between said plates, spaced aligned axles extending through the inner and outer plates, traction wheels mounted upon said axles between said inner and outer plates within the plane of the ends of the rotary cutter, sprockets mounted upon the outer ends of the aligned axles and chains connecting said last mentioned sprockets with the sprockets on the axle of the rotary cutter whereby the cutter may be operated through the propulsion of the traction wheels, a handle pivotally mounted upon the inner ends of the aligned axles, and a roller for supporting the forward end of the frame.

1,590,929. PORTABLE X-RAY APPARATUS. WILHELM FALKENBERG, New York, N. Y., assignor to Albert Wielich, New York, N. Y. Filed June 6, 1923. Serial No. 643,744. 1 Claim. (Cl. 250—34.)



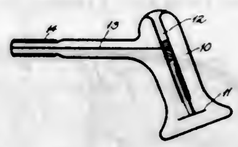
In a portable X-ray apparatus of the class described, a Tesla transformer, a casing for said transformer, including a perforated bottom plate, a U-bracket movably secured to the bottom plate of said apparatus and adapted to engage with its free arms the perforations in said bottom plate, and a pin in said bottom plate journaled within the apparatus for allowing a folding of said transformer against the bottom of said apparatus when not in use.

1,590,930. ULTRA-VIOLET ELECTRODE. WILHELM FALKENBERG, New York, N. Y., assignor to Albert Wielich, New York, N. Y. Filed June 6, 1923. Serial No. 643,745. 1 Claim. (Cl. 174—89.)



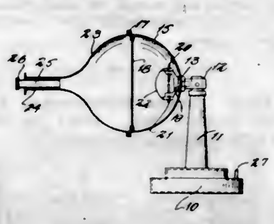
As an article of manufacture, an electrode comprising a tube containing a gas having a narrower laterally extending elongated portion to serve as a handle, a holder within the tube, a cathode within said holder, a metal sleeve upon the terminal of the laterally extending portion, a wire connecting said sleeve and cathode and a quartz plate covering an opening formed in one end of the tube.

1,590,931. ELECTRODE. WILHELM FALKENBERG, New York, N. Y., assignor to Albert Wielich, New York, N. Y. Filed June 6, 1923. Serial No. 643,748. 2 Claims. (Cl. 174—89.)



1. As an article of manufacture, an electrode comprising a tube containing a gas and having a restricted laterally extending handle portion, a holder within the tube, a cathode within said holder, a metal sleeve upon the terminal of the laterally extending portion, a wire connecting said sleeve and cathode, and a quartz plate covering an opening formed in one end of the tube, the tube proper and lateral extension being charged with helium gas.

1,590,932. RADIATOR SUN. WILHELM FALKENBERG, New York, N. Y., assignor to Albert Wielich, New York, N. Y. Filed June 6, 1923. Serial No. 643,753. 1 Claim. (Cl. 174—177.)

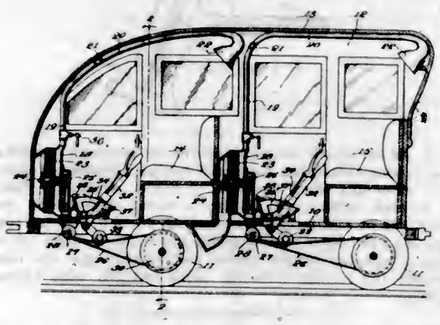


A radiator sun for medical purposes, comprising a stand, a bracket pivotally secured to the upper end of the stand, a socket carried by the bracket, a semi-spherical reflector secured to the socket, clamps removably secured to the marginal edges of the reflector, an approximately semi-spherical member carried by the clamps and closing the open edge of the reflector, the outer surface of said member gradually merging into an elongated neck disposed in line with the bracket, a tube telescopically arranged in the neck and carrying a collector lens, and a glass plate disposed intermediate the reflector and member.

1,590,933. SHOE PROTECTOR. CARL M. FELLMAN, Rosiclare, Ill. Filed July 24, 1925. Serial No. 45,882. 1 Claim. (Cl. 36—73.)

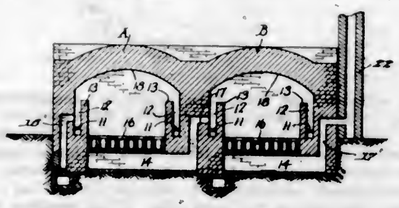
A protector for a shoe comprising an auxiliary sole formed of a strip of leather and a metal plate on the bottom of the strip, said plate having points struck therefrom and driven through the strip to hold the parts together, angle shaped clips each having one portion riveted to the auxiliary sole between the leather strip and the metal plate and straps connected with the clips for fastening the auxiliary sole to a shoe.

1,590,934. VEHICLE FOR AMUSEMENT PARKS. ROBERT J. FELTNER, Croswell, Mich. Filed Oct. 16, 1925. Serial No. 62,850. 4 Claims. (Cl. 104—53.)



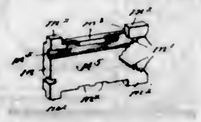
1. In a device of the class described, a body portion, seats mounted thereon, a fan casing, a fan therein, means for driving the fan, air ducts connected with the casing and extending upwardly and rearwardly, and each having a plurality of outlets and means for controlling a flow of air through the ducts, individually, the controlling means cutting off both outlets.

1,590,935. KILN. HENRY FREEBOROUGH, Fort Scott, Kans. Filed Mar. 7, 1922. Serial No. 541,696. 1 Claim. (Cl. 25—134.)



A plurality of kilns arranged side by side and forming a unitary structure, a fire box extending longitudinally of each kiln and adjacent each side thereof, doors on the sides of the structure to permit of access to said fire boxes, one wall of each box terminating in spaced relation with the top of the kiln, a floor for each kiln having openings therein, channel like members extending across each kiln adjacent the ends thereof, and communicating with the space beneath said floor, passages establishing communication between the said channel like members of one kiln and the fire box of the adjacent kiln, an additional channel like member arranged between the first mentioned members and equi-distantly spaced therefrom, and also communicating with the space beneath said floor, a tunnel establishing communication between the last mentioned member and the atmosphere, and a door closing the outer end of each tunnel for the purpose specified.

1,590,937. MATRIX-DISTRIBUTING MECHANISM CHINES. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 10, 1923. Serial No. 638,051. 10 Claims. (Cl. 199—64.)



1. Matrices each formed at a side thereof with a groove or recess extending longitudinally thereof, the grooves of dissimilar matrices being of different widths and distinguishing means formed in one edge of said groove and between the ears of the matrix.

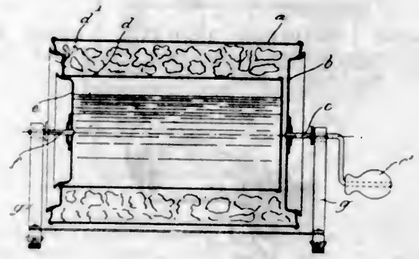
1,590,937. MATRIX-DISTRIBUTING MECHANISM FOR TYPOGRAPHICAL MACHINES. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 10, 1923. Serial No. 638,052. 12 Claims. (Cl. 199—40.)

1. In a typographical machine having means for distributing matrices according to character, means to cooperate with the first-mentioned distributing means for distributing matrices according to font comprising a rail for supporting the matrices while pendent from and travelling by gravity edgewise along the rail, the rail having permutations to correspond with permutations on the matrices and means for arresting the travel of the matrices at relatively different points along the rail, whereby the matrices are adapted to drop by gravity in the same vertical plane in which they travel along the rail when the permutations of the matrices come into register with the corresponding permutations of the rail.

1,590,938. MATRIX DISTRIBUTOR FOR TYPOGRAPHICAL MACHINES. HERMAN R. FREUND, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 8, 1924. Serial No. 730,898. 6 Claims. (Cl. 199—40.)

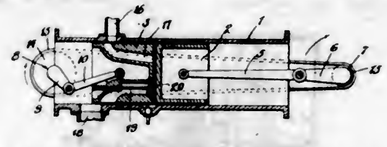
1. In a typographical machine having two magazines each containing a font of matrices, the matrices of one font having a curved distinguishing groove in a flat side of the body thereof and the matrices of the other font having a straight groove in the flat side of the body thereof, the openings of the distinguishing grooves in the matrices of the different fonts being in the same relative position on the matrices, a distributor, and a channel entrance for directing the matrices from the distributor to the magazines; a matrix separating rail embodying means for so cooperating with the matrices as to guide those having curved grooves in one direction and those having straight grooves in another direction.

1,590,939. ICE-CREAM FREEZER. JAMES WATTS GODDARD, London, England, assignor to Nettlefold & Sons Limited, London, England. Filed Mar. 3, 1923, Serial No. 622,627, and in Great Britain May 27, 1922. 5 Claims. (Cl. 259—50.)



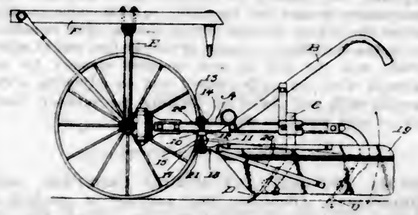
1. An ice cream freezing apparatus of the kind herein referred to comprising in combination an outer cylinder having circular apertures at each end, a closure plate for said outer cylinder fitting liquid-tight in one of these apertures, an inner cylinder permanently closed at one end by an imperforate plate independent of the closure means for the ends of the outer cylinder, a closure plate fitting liquid-tight in the open end of said inner cylinder, together with the closure plate being integrally removable from the outer cylinder, and removable closure means for the interspace between the outer and inner cylinders, said closure means fitting liquid-tight into the second aperture of the outer cylinder.

1,590,940. GAS ENGINE. FRED N. HALLEIT, Seattle, Wash. Filed Apr. 18, 1922. Serial No. 554,913. 2 Claims. (Cl. 123—78.)



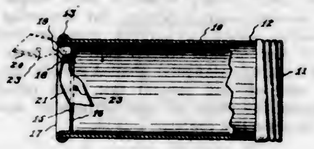
2. An explosive engine, including a cylinder, a main crank shaft, an auxiliary crank shaft at the upper end of the cylinder, a piston connected to the main crank shaft, a piston connected to the auxiliary crank shaft and formed with an exhaust passage and a valve controlled inlet passage, said cylinder being formed with inlet and exhaust passages for cooperating at predetermined intervals with the passages in the piston, and connecting means between the shafts for driving the auxiliary shaft twice as fast as the main crank shaft.

1,590,941. CULTIVATOR SHIELD. WALTER L. HAMBLIN, Pisgah, Iowa, assignor of one-fourth to M. S. Van Eaton and one-fourth to C. S. Van Eaton. Filed Feb. 9, 1925. Serial No. 7,991. 2 Claims. (Cl. 97—188.)



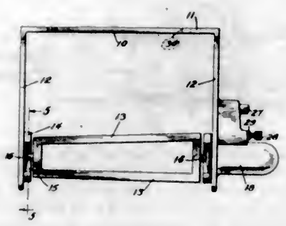
1. In combination with a cultivator, a shield device comprising a pair of clamping members adapted for engagement upon the top and bottom of the beams of a cultivator, means for holding the clamping members together, the lower clamping member being provided with depending spaced parallel portions, a bearing located between said parallel portions and restrained from movement with respect thereto, a shaft slidably and rotatably engaged within said bearing member, said shaft having a downturned outer end, and a shield device pivotally mounted upon said downturned end and swingable into adjusted position in a vertical direction.

1,590,942. COMBINATION CONTAINER. EDWARD M. HARRIS, Riverside, N. J. Filed Jan. 6, 1926. Serial No. 79,658. 3 Claims. (Cl. 152—27.)



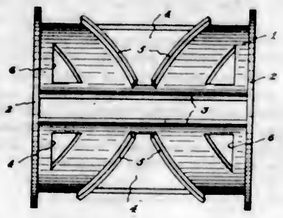
2. In combination with the bottom end of a tubular container, an elongated rectangular slot in said bottom member, a cutting blade hingedly connected to the underside of said bottom end adjacent one end of said slot centrally therewith, said cutting blade adapted for foldable placement in said slot, means for retaining said cutting blade in said slot, a laterally extending ear formed on said cutting blade, for limiting the closing movement of said blade, and an annular flange on said bottom end for limiting the opening movement of said blade.

1,590,943. ROLL HOLDER. LEWIS F. HARRIS, Jersey City, N. J. Filed Apr. 18, 1925. Serial No. 24,179. 1 Claim. (Cl. 211—31.)



A holder for paper rolls comprising a frame having spaced outwardly extending brackets, a seat formed in one of said brackets, a movable member slidably mounted in the other of said brackets and having a seat therein disposed in axial alignment with the first mentioned seat, said movable member also having a slot therein, a roller adapted to receive the roll of paper and having trunnions on the ends thereof for reception in said seats, spring means acting against said movable member for locking said trunnions in their respective seats and for placing a tension on said roller, and manipulative means for actuating said movable member against the action of said spring means, said manipulative means including a pivoted lever, the free end of which extends into the slot in said movable member for engagement with the walls thereof and an adjusting screw co-acting with said lever for limiting the outward movement of said movable member.

1,590,944. NONSKID AUTOMOBILE CREEPER. JOHN HEARTTAGEN, Allentown, Pa., assignor of one-half to Joseph F. Custard, Allentown, Pa. Filed Aug. 15, 1925. Serial No. 50,460. 1 Claim. (Cl. 152—14.)



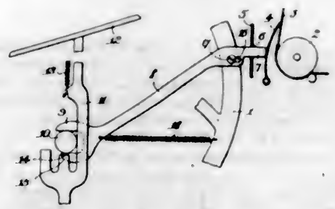
A non-skid shoe for vehicle wheels comprising a semi-cylindrical body having laterally bent flanges at each end and provided with a central slot extending throughout its entire length, a pair of laterally bent flanges along each edge of said central slot, said body provided with substantially triangular shaped cut-out portions one on each side of said central slot, and laterally bent flanges along the sides of said triangular openings extending towards the center.

1,590,945. SKIMMING EVAPORATOR. ROBERT H. JACKSON, Willington, S. C. Filed Apr. 20, 1925. Serial No. 24,654. Renewed Apr. 12, 1926. 3 Claims. (Cl. 159—42.)

1. An apparatus of the character described comprising a liquid containing tank adapted to be subjected to heat, an overflow pipe rising from the tank, a trough arranged above the tank to receive the liquid from said pipe and separate the extraneous matter from said liquid, a strainer arranged within said trough in spaced parallel relation to the bottom thereof, a compartment arranged above the tanks to receive the liquid from said trough, valve controlled communication between the

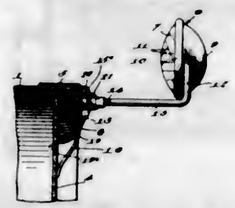
compartment and tank whereby the liquid is returned to the tank, and a spout projecting from said trough and through which the extraneous matter passes from the latter.

1,590,946. ATTACHMENT FOR ADDING MACHINES. JACOB RUDOLPH KAISERMAN, Livingston, Mont. Filed May 23, 1924. Serial No. 715,380. 2 Claims. (Cl. 235—130.)



1. In an adding machine a paper carriage having a normal position in which a printing action can take place and an abnormal position in which the printing action is to be prohibited, a controlling key having a path of operating movement, a single slidable bar extending between the carriage and the key, means for moving said bar in response to the movement of the carriage and means on said bar adapted to be disposed in the path of movement of the controlling key when the carriage has been moved out of its normal position.

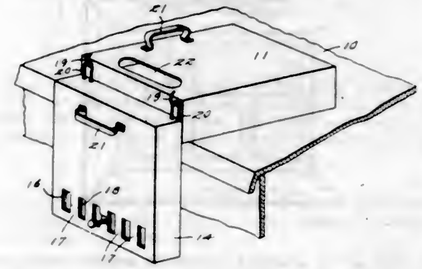
1,590,947. HEADLIGHT INDICATOR. ARTHUR E. KAMMRITZ, Hartford, Conn. Filed Feb. 11, 1925. Serial No. 8,476. 2 Claims. (Cl. 240—41.)



1. A headlight indicator comprising a reflector, a rod having an upturned outer end portion secured to said reflector, a clip made of spring material and comprising a body adapted to rest flatwise against the lens retaining flange at the edge of a headlight, said clip having an arm spaced from said body and provided with an opening through which the inner end portion of said rod extends, a pair of clamping nuts in threaded engagement with said rod and respectively in contact with opposite faces of said arm of the clip, a pair of hook members on the body of the clip engageable with the edge portion

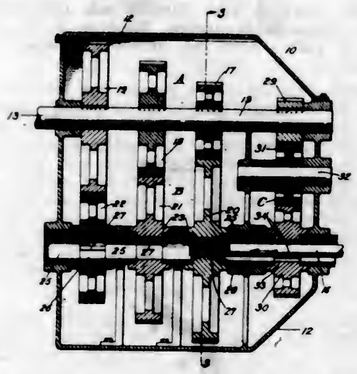
of said lens retaining flange of the headlight, and a spring tongue between said hook members adapted to bear against the lens of the headlight when said hook members are engaged with the edge portion of said lens retaining flange.

1,590,948. HEATING DEVICE. THOMAS J. KELLY, Virginia, Minn. Filed Nov. 28, 1925. Serial No. 71,980. 3 Claims. (Cl. 126—58.)



1. An air heating device comprising a pair of angularly connected casings, one of the casings being arranged to be placed over a source of heat and having a tortuous passage therein and an outlet opening in the top thereof, the other casing connected with the first casing for conducting cold air from a level below the first casing into said first casing, and means in the second casing for regulating the entrance of cold air.

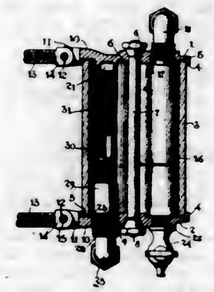
1,590,949. TRANSMISSION. LOUIS KRUPP, New York, N. Y. Filed Sept. 5, 1925. Serial No. 54,738. 9 Claims. (Cl. 74—59.)



1. In a transmission mechanism, a driving shaft, sets of meshing gears of different ratios operable by said driving shaft, a slidable driven shaft, means for initially sliding said driven shaft into co-acting engagement with one of said sets of gears and automatic means for consecutively engaging said slidable driven shaft with the other respective sets of gears.

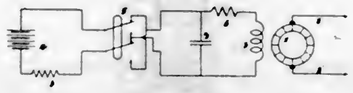
1,590,950. FILTER DEVICE. HARRY J. KUHN, Middletown, and ESTON C. HARRIS, Monticello, N. Y. Filed Aug. 21, 1924. Serial No. 733,383. 2 Claims. (Cl. 210—165.)

1. In a fuel strainer of the character set forth, a top and bottom plate member, a casing arranged between and spacing said plate members, a connecting tie rod between said plates, an outlet tube of uniform diameter threaded intermediate its ends and secured in said lower plate, an overflow pipe of less diameter than said tube fixed at one end to the inner end of said outlet tube, and a foraminous tubular strainer of the diameter of



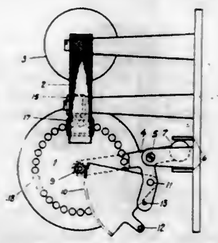
said outlet tube, surrounding said overflow pipe and fixed at one end to said tube and having its other end open and removably secured against the under side of said top plate.

1,590,951. ELECTRICAL SIGNALING METHOD. FREDERICK EUGENE PERNOT, London, England. Filed Mar. 10, 1923, Serial No. 624,244, and in Great Britain June 15, 1922. 11 Claims. (Cl. 178—65.)



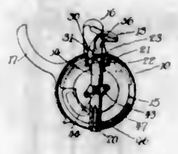
1. In electrical signaling systems an electric generator, an armature and a field system therefor, connection from said armature to the transmission system, an electric current source, a transmitter controlling said source, impedances for shaping the signals, said source, said transmitter and impedances being located in the field system, said transmitter having two contacts arranged to complete a circuit including said source before breaking a circuit independent of said source.

1,590,952. TIME-LIMIT INDUCTION RELAY. WILHELM HENNING PETERSÉN, Gamla Posten, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Corporation of Sweden. Filed Jan. 11, 1923, Serial No. 611,989, and in Sweden Dec. 4, 1922. 8 Claims. (Cl. 175—338.)



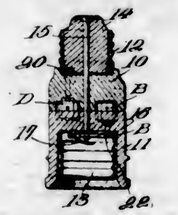
1. In time relays, a rotatable induction member, a movable frame supporting same, an electromagnet having poles exerting a tangential force on said induction member, and other poles on the same electromagnet producing a force for displacing the said induction member.

1,590,953. METHOD OF MAKING TYING BILLS FOR KNOTTERS. BURT A. PETERSON, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Original application filed Apr. 1, 1920, Serial No. 370,396. Divided and this application filed Aug. 15, 1924. Serial No. 732,142. 7 Claims. (Cl. 76—101.)



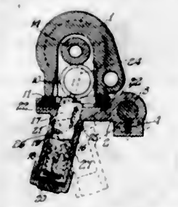
1. The method of making a tying bill for knotters which consists in drilling the upper end of a piece of solid stock to form a tubular upper portion, reducing the upper end of said tubular portion, and shaping said reduced portion to provide a support having a flat surface disposed substantially in the plane of the longitudinal axis of the spindle, upon which to mount the bill spring and the clamping and shearing member, with the lower end of the spring entered into the tubular upper end of the spindle.

1,590,954. ELECTRICAL TAP SOCKET. JOSEPH PRECIOUS, Providence, R. I. Filed Dec. 15, 1923. Serial No. 680,904. 1 Claim. (Cl. 173—334.)



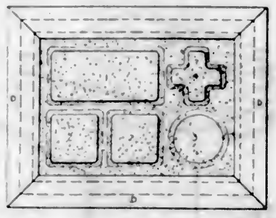
In a tap socket, the combination of plug and socket members secured together, each of the adjacent faces of the two members provided with a number of compartments, stationary contact terminals located in compartments of each member and received in compartments of the adjacent member, a contact terminal of each member forming together constantly live contacts for a branch circuit, and two contacts, one of each member, adapted for connection in establishing another circuit.

1,590,955. BOTTLE-SEALING MACHINE. HUGH M. ROSS, Woodhaven, N. Y., assignor to Adriance Machine Works, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 28, 1923. Serial No. 665,260. 13 Claims. (Cl. 226—77.)



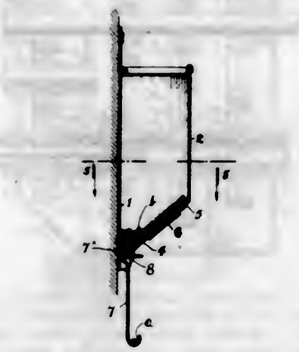
1. The combination with a head having a closure inlet, of means for positioning a closure in said head comprising a closure pusher, means for moving said pusher toward said inlet, and means acting upon said pusher after such movement thereof for arresting the same before engagement thereof with the closure and thereafter releasing the same to permit engagement thereof with the closure.

1,590,956. PROCESS OF AND APPARATUS FOR MOLDING SHAPED ARTICLES SUCH AS CONTAINERS FOR MILK, CREAM, JAM, AND THE LIKE FROM FIBROUS PULP. WILLIAM ROY, Adelphi, London, England. Filed Aug. 29, 1919, Serial No. 320,657, and in Great Britain Nov. 13, 1918. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.) 6 Claims. (Cl. 92—154.)



1. The herein described process of making shaped articles consisting in applying non-viscous fibrous pulp exteriorly of a recessed hollow form permeable by the liquid of the pulp and having an open bottom, until the pulp reaches and barely covers the top portion of the form laying the fibers thereof by a hand agitation of the mold while gradually raising the mold from a bath of said pulp, whereby subatmospheric pressure is developed within the portions of the mold projecting from the pulp, and the area of the form subjected to said pressure is progressively increased, and transferring the article from the mold to an absorbent form adapted to receive same and conforming in contour to the mold.

1,590,957. MATCH AND TOOTHPICK DISPENSING BOX. ABRAHAM SCHAFFNER, Brooklyn, N. Y. Filed Mar. 6, 1926. Serial No. 92,678. 2 Claims. (Cl. 206—21.)

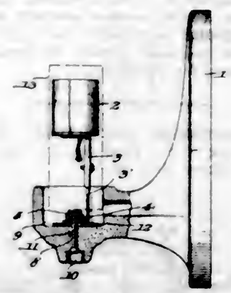


1. In a match and tooth-pick dispensing box, a casing, a pivoted downwardly slanting bottom wall for said casing, a dispensing plate pivoted to said casing, the plate having a channel in its upper end and a wall overhanging said channel, normally co-acting with the botom wall to retain the articles to be dispensed within the casing, the plate adapted to be swung outwardly so as to bring its channel in position to receive one of said articles, and the pivoted bottom member lying in the path of movement of the dispensing plate so as to be swung by the latter to raise the body of articles within the casing.

1,590,958. RIM. FRANK W. SCHMIDT, Jackson, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 12, 1922. Serial No. 567,675. 2 Claims. (Cl. 301—30.)

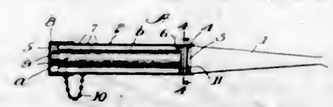
2. A split rim having a pin on its inner surface adjacent one end, and a channel iron extending from the other end of the rim across the joint and having an opening in the bottom of the channel to engage the pin.

1,590,959. LIGHTING FIXTURE. ROY W. SCHWEIKER, Lansdale, Pa. Filed May 2, 1925. Serial No. 27,531. 4 Claims. (Cl. 240—73.)



1. In a side wall lighting fixture, the combination with the fixture proper having a base adapted to lie flatwise against the side wall and provided with a bracket extending laterally therefrom, said bracket being provided with a concavity, of a lamp socket having an attaching device located within said concavity, and fastening means for said attaching device, said fastening means being independent of the aforesaid bracket and extending through the said bracket into the concavity and operable from the exterior of said bracket and countersunk on the exterior thereof.

1,590,960. HOLDER. KAMEZO SEKO, East San Pedro, Calif. Filed Oct. 30, 1922. Serial No. 597,806. 2 Claims. (Cl. 131—51.)

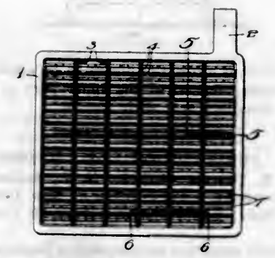


1. A holder for cigarettes and the like, including a stem and a casing member adapted to house a cigarette; and means within said casing for isolating the said cigarette from the inner wall of said casing during combustion of the cigarette therein; said means including an annular foraminous member, and a webbing at one end of the casing for limiting movement of the cigarette therein in one direction.

1,590,961. PROCESS FOR THE MANUFACTURE OF ARTIFICIAL RESINS. RUDOLF SINGER, Brno, Czechoslovakia, assignor to Kunstharzfabrik Regal & Co., Brno, Czechoslovakia. Filed June 17, 1925, Serial No. 37,844, and in Germany May 19, 1925. 1 Claim. (Cl. 260—4.)

A process for the manufacture of resinous condensation products clear as water by condensing phenols and formaldehyde, consisting in using as condensing agents substances in the class containing chloraminoaldehydes and their derivatives.

1,590,962. BATTERY GRID AND METHOD OF MAKING THE SAME. LOUIS G. STECKER, Philadelphia, Pa. Filed Dec. 13, 1923. Serial No. 680,296. 4 Claims. (Cl. 136—38.)



1. A grid comprising spaced primary ribs and spaced secondary ribs angularly disposed in respect to said primary ribs, successive adjacent secondary ribs being bent in opposite directions transversely of the grid; each bend extending between adjacent primary ribs.

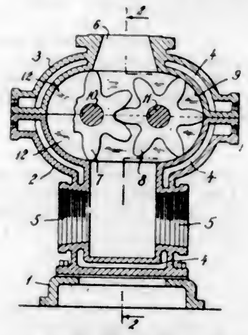
1,590,963. ART OF DENTAL PROSTHETICS. CHARLES I. STOLOFF, New York, N. Y. Filed Jan. 12, 1924. Serial No. 685,823. 9 Claims. (Cl. 32—4.)

1. A multi-sectional denture formation comprising an artificial main plate denture section and an artificial auxiliary plate denture section movably joined thereto, the adjoining walls of the main and auxiliary plate sections being arranged in abutting relation.

1,590,964. PUMP. EDWARD T. STREET, Boundbrook, N. J. Filed July 14, 1925. Serial No. 43,461. 1 Claim. (Cl. 103—126.)

In a pump of the impeller type, a casing composed of an upper and a lower part detachably secured together to form an impeller chamber, a pair of impellers having intermeshing teeth in the chamber, shafts on which the impellers are mounted, and a pair of relatively separable and replaceable lining plates in each side of the chamber, each plate having a pair of semi-circular openings to re-

ceive the shafts, said openings of the respective plates being in register, the plates having their inner side edges meeting along lines passing through the centers of the

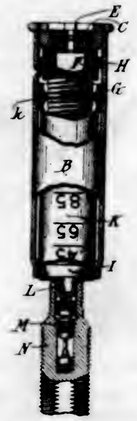


shafts, whereby to allow the plates to be applied and removed by lifting removal of the upper part of the casing and of the impellers and their shafts.

1,590,965. PURIFICATION OF HYDROCARBONS. CHARLES R. DOWNS, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed July 7, 1920. Serial No. 394,570. 10 Claims. (Cl. 260—168.)

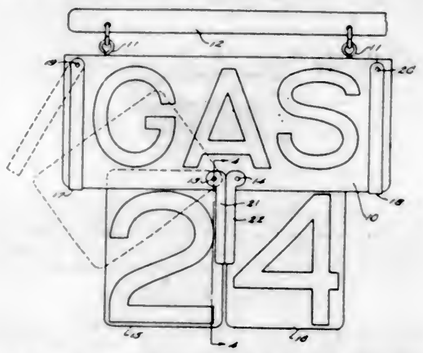
1. The herein described process which comprises passing an impure aromatic hydrocarbon in the vapor phase and and oxygen containing gas into contact with a catalyst at a temperature between 250° C. and 550° C., the oxygen concentration of said gas being such that oxidation of the impurities takes place without substantial oxidation of the hydrocarbon.

1,590,966. PRESSURE GAUGE WITH DEFLATOR. GUSTAVE A. DUERLER, Jr., San Antonio, Tex., assignor to A. Schrader's Son, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 30, 1924. Serial No. 758,887. 2 Claims. (Cl. 13—111.)



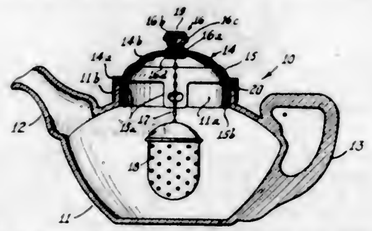
1. A pressure gauge for pneumatic tires or the like comprising a cylindrical casing and a cylindrical sheet metal indicating member telescoping with the casing having an integral hollow central projection extending outwardly from the top of the indicating member, said projection being of a diameter to enter the open end of a tire valve and larger than the diameter of the valve pin within such tire valve.

1,590,967. PRICE-EXHIBITING DEVICE. PAUL W. FENTON, New York, N. Y. Filed Apr. 8, 1926. Serial No. 100,488. 7 Claims. (Cl. 40—67.)



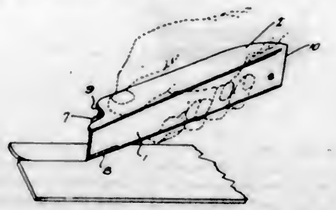
1. A price exhibitor, comprising a housing open along an edge, marked plates pivotally secured within the housing and adapted to swing therefrom into an exhibiting position, and a strap member pivotally secured to the housing and adapted to embrace the open edge of the housing to hold concealed therein the remainder of the plates not desired for exhibition.

1,590,968. DISPENSING CONTAINER. SOLOMON FORMAN, New York, N. Y. Filed Jan. 16, 1926. Serial No. 81,673. 8 Claims. (Cl. 53—3.)



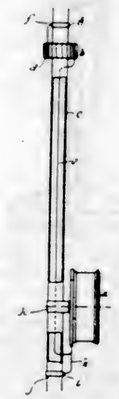
1. In a device of the character described, the combination of a liquid dispensing container having a top opening and a closure member demountably secured over the opening, said member comprising a flanged lid having a knob and a disc secured by said knob against the inner side of said lid, said disc carrying spring means for releasably clamping the member to the rim of said opening.

1,590,969. TUBE HOLDER AND PROTECTOR. RICHARD W. FOX, Birmingham, Ala. Filed July 13, 1925. Serial No. 43,377. 4 Claims. (Cl. 152—27.)



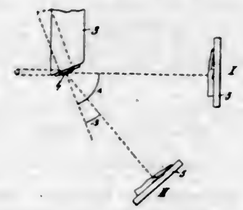
1. A tube holder and protector of the character described having a channel shaped body formed with its side walls rising substantially to the level of a full tube disposed in the channel, the forward end of one side flange being cut and bent inwardly across the channel and perforated to receive the neck of the tube and to expose a side edge of the bottom, as and for the purposes described.

1,590,970. APPARATUS FOR MEASURING ELECTRIC CURRENTS. JOSEF FRITZ, Dresden-Strehlen, Germany, assignor to Sachsenwerk, Licht- und Kraft-Aktiengesellschaft, Niedersedlitz, n/Dresden, Saxony, Germany. Filed Feb. 9, 1924, Serial No. 691,805, and in Germany Dec. 24, 1923. 3 Claims. (Cl. 171—95.)



1. An apparatus for measuring electric currents comprising a high tension line, a current indicator, a transformer core associated with the high tension line, and a conductor connected at its ends to the high tension line passing around the said transformer core and with which conductor the said current indicator is connected.

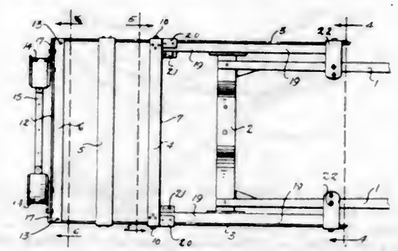
1,590,971. METHOD OF AND APPARATUS FOR PRODUCING SHARP RÖNTGEN IMAGES. OTTO GOETZE, Frankfort-on-the-Main, Germany. Filed Aug. 30, 1921, Serial No. 497,012, and in Germany Feb. 1, 1918. 6 Claims. (Cl. 250—35.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The herein described method of producing Röntgen images which consists in causing emission of Röntgen rays from an elongated focal spot, and using, for the production of the images, the rays emanating from said spot substantially in the direction of the length of the spot.

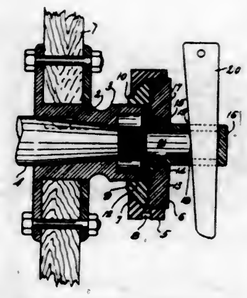
1,590,972. ADJUSTABLE LUGGAGE CARRIER AND TRUNK RACK. WALTER R. GREEN, Chicago, Ill. Filed Mar. 24, 1924. Serial No. 701,267. 4 Claims. (Cl. 224—29.)

3. In a luggage carrier for a vehicle, a pair of angle members having a two point connection with the vehicle chassis, a side bar connected to the end portions of each angle member, and projecting rearwardly thereof, a transverse member spanning said side bars adjacent the



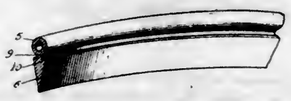
rear ends of said angle members to provide a compartment for heavy loads on said angle members and a compartment for lighter loads on said side bars.

1,590,973. WHEEL PULLER. PERCY C. GROVER, Birmingham, Ala. Filed Oct. 16, 1924. Serial No. 743,865. 4 Claims. (Cl. 29—85.)



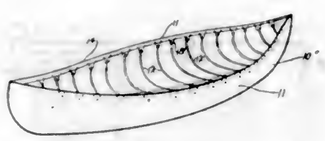
1. In a device of the character described, a sleeve having threads at one end and an internal bevelled surface near the other end, a compressible ring internally threaded and adapted to screw on the work, said ring having a bevelled surface adapted to co-act with the bevelled surface of the sleeve, an element adapted to screw into the sleeve and to engage and compress said ring, and a wedge mounted in said element with an end exposed for a driving blow, there being a support for the work and said wedge being adapted to act between the element and the work support so that when driven in it will not act simultanously to jar the work from its support and to increase the compression of said threaded ring.

1,590,974. WEATHER STRIP. JOHN G. S. HALL, Chicago, Ill. Filed Dec. 2, 1925. Serial No. 72,714. 11 Claims. (Cl. 20—69.)



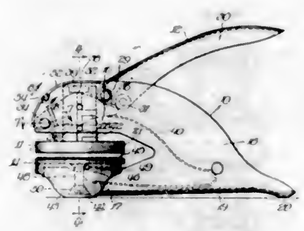
1. An integral weather-strip structure of resilient material comprising a longitudinal bead and a holding-strip, said holding-strip having its major transverse axis radial to the bead.

1,590,975. BOAT. ERNEST H. HARPER, Oakland, Calif. Filed Sept. 10, 1925. Serial No. 55,447. 3 Claims. (Cl. 9—2.)



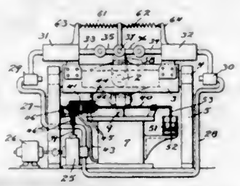
2. In a boat, a hollow clip for attachment to the gunwale of the boat and having a horizontally elongated opening thru its exposed wall in combination with a rib having an offset end insertable thru said opening when the rib is substantially parallel with the longest axis of said opening and locked in said opening when the rib is rotated to a position at an angle from said axis.

1,590,976. COMBINATION SEAL. HUGO S. HASSELQUIST, Fort Madison, Iowa, assignor to C. H. Hanson Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 15, 1923. Serial No. 668,470. 12 Claims. (Cl. 101—3.)



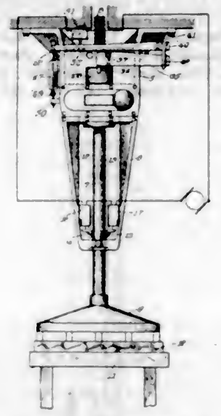
1. In a seal-press, a supporting frame, a movable impression die, a stationary impression bed, and a trunnion connection between the frame and the bed for causing the bed to align with the die upon movement of the die into compressive engagement with the bed.

1,590,977. PREVENTING THE ANGULAR MOTION OF BODIES. JAMES BLACKLOCK HENDERSON, Lee, England. Filed July 26, 1919, Serial No. 313,536, and in England June 14, 1915. 12 Claims. (Cl. 74—78.)



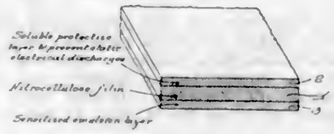
1. In gyroscopic apparatus for preventing the angular movements of bodies the combination of fluid pressure means for transmitting external forces to the gyroscope, fluid pressure means for controlling the velocity of precession of the gyroscope, and variable speed mechanism for controlling said fluid pressure means in accordance with a function of the external forces.

1,590,978. UPHOLSTERING PRESS. JOHN G. JORDAN, Chicago, and JOHN O. TAYLOR, Oak Park, Ill., assignors to Kroehler Mfg. Co., Naperville, Ill., a Corporation of Illinois. Filed Apr. 17, 1925. Serial No. 23,746. 9 Claims. (Cl. 100—57.)



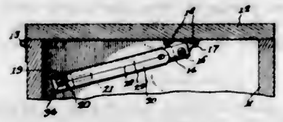
1. In a press of the class described, a movable shaft, means to move the shaft in applying the pressure thereof, a thrust member in connection with said means and weighing means engaged by the thrust member when the shaft is applying its pressure.

1,590,979. CINEMATOGRAPHIC OR LIKE FILM. HENDRIK KUYPERS, Vieux Dieu, Anvers, Belgium, assignor to Gevaert Photo Producten: N. V., Oude-God, near Antwerp, Belgium. Filed Feb. 9, 1914, Serial No. 817,687, and in Belgium Apr. 14, 1913. 2 Claims. (Cl. 95—9.)



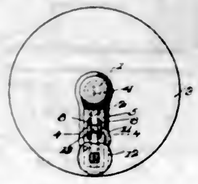
2. As an article of manufacture, a photographic film strip embodying a transparent flexible support made of a material that will by friction readily create static electrical charges and having a sensitized coating on one face and on its reverse face and in intimate contact therewith, an exposed, wear-taking coating or layer of a substance which is soluble in the developing baths and is effective to prevent the frictional electrification of the support.

1,590,980. SUPPORTING DEVICE. DAVID C. LAMB, Ann Arbor, Mich., assignor of one-half to Archibald Carey, Detroit, Mich. Filed June 1, 1925. Serial No. 34,114. 3 Claims. (Cl. 217—60.)



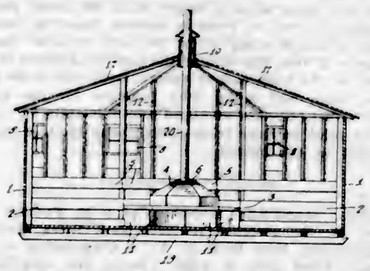
3. A holding device as described comprising a casing of resilient material having wings meeting longitudinally thereof, a bar slidable in said casing and having separated terminal ends bent out of the plane of the bar and resiliently pressing against said wings, said bar also having a tongue pressed up from the intermediate portion thereof and bearing in common against said wings, said wings terminating short at one end whereby said terminal ends of the bar may in the fully telescoped position of the bar extend beyond the wings, said wings having a perforation to receive said tongue in the fully open position of the bar whereby to arrest the movement of the bar.

1,590,981. LOCKING DEVICE FOR IGNITION SWITCHES. FRANK LOCKYER, Salt Lake City, Utah, assignor to Ideal Auto Lock Manufacturing Company, a Corporation of Utah. Filed Feb. 26, 1925. Serial No. 11,779. 5 Claims. (Cl. 70—122.)



1. A locking device for a switch having a laterally extending handle, said device comprising a cap adapted to fit over the switch and its handle, said cap having a pair of spaced apertures, a U-shaped fastening member having a web portion adapted to engage under the switch handle and having arms adapted to straddle the handle and to extend through the apertures in the crown portion of the cap, said arms having aligned openings in their outer end portions adapted for the reception of a retaining element for preventing outward displacement of said cap on said arms.

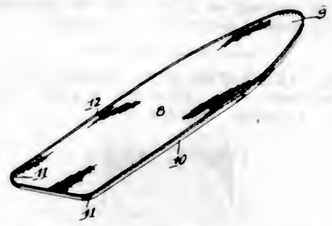
1,590,982. FARROWING HOUSE. EVAN B. MORRIS, Cedar Bluffs, Nebr. Filed Mar. 15, 1924. Serial No. 699,552. 7 Claims. (Cl. 119—16.)



6. In a farrowing house, the combination with an inclosure having a roof, floor, and side-walls; of a plurality of main partitions extending from the side-walls toward a center and dividing the floor-space into a plurality of pens each having a portion adjacent to said center, a heater arranged at said center and adapted to warm the adjacent portions of the pens, a walk supported upon the partitions about the heater, and cross partitions extending between the main partitions upwardly from said walk, said cross partitions and walk being arranged at a height from the floor suitable for excluding large animals from the warmed portions of the pens while permitting smaller animals to pass beneath said walk and partitions into the warmed pen-portions.

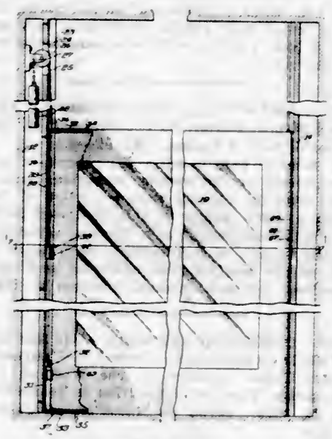
1,590,983. PADDED COVER FOR IRONING BOARDS. ROMAN F. POLSKI, St. Paul, Minn. Filed June 24, 1925. Serial No. 39,244. 1 Claim. (Cl. 68—10.)

The combination with an ironing board top, of a cover constructed of a somewhat elastic fabric and formed with a margin constituting flanges adapted to extend downward about the edges of said top, and a looped tape, of material having less elasticity than said cover, secured to said margin and arranged to be drawn



over said top while stretching the fabric of said cover, said tape being shorter than the perimeter of said top and constituting a permanently attached binding strip extending entirely around the margin of the cover.

1,590,984. WINDOW MOUNTING. PHILIP G. PFEIL, Chicago, Ill. Filed May 31, 1924. Serial No. 716,886. 27 Claims. (Cl. 20—50.)



1. In a window construction of the character described, the combination of a casing formed with sash guiding grooves, a sheet metal channel strip attached to the base of one of said grooves, a sash engaged with one of said grooves, sheet metal slide members mounted in said channel strip and having integrally formed and horizontally extending hinge leaves overlapping the upper and lower edges of the sash, and sheet metal hinge leaves having portions forming bearing surfaces for opposite sides of the first said hinge leaves, secured to said sash and having horizontal limbs overlapping the upper and lower edges of the sash and pivoted to the first said hinge leaves.

1,590,985. GARMENT SUPPORTER. JOSEPH M. SCALLEN, San Francisco, Calif. Filed Mar. 4, 1924. Serial No. 696,834. 1 Claim. (Cl. 241—25.)

A garment supporter of the character described comprising a wire bent to the form of a W with all arms on a common plane, the upper free ends of the W being

each formed into a sewing loop, and the central legs being elongated and bent forwardly and down, then again forwardly and up so as to form two open hooks one directly back of the other, the forward hook being adapted to suspend an article and the rearward hook adapted to suspend the hook on an article.

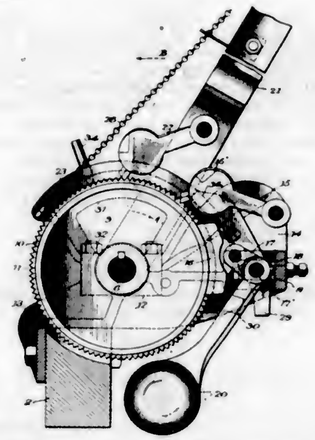
1,590,986. AXMINSTER RUG. WALKER GILL WYLIE, Jr., Red Bank, N. J. Filed Apr. 3, 1926. Serial No. 99,485. 7 Claims. (Cl. 139—2.)

7. An intermediate product in the making of an Axminster rug which comprises a woven rectangular base having a tufted body portion thereon of varying width, the tufted body portion being adapted to constitute the face of the rug.

1,590,987. CHEMICAL PULP-COOKING PROCESS. GEORGE SIVOLA, Dexter, N. Y. Filed Dec. 4, 1925. Serial No. 73,270. 4 Claims. (Cl. 92—7.)

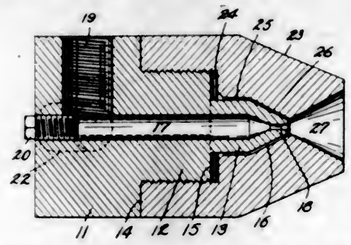
1. In chemical pulp cooking, the process of ascertaining the process of the cooking operation, consisting in removing from the cooking mass a portion of the mass, subjecting a given weight of this separated pulp to the action of a definite volume of a chemical solution capable of reacting thereon in such manner as to cause a change in color of the solution, and observing and noting the time required for such chemical reaction to take place.

1,590,988. COMBINED SETWORK AND RECEDE FOR SAWMILL CARRIAGES. GEORGE E. CAMPBELL, Chattanooga, Tenn., assignor to The Wheland Company, Chattanooga, Tenn., a Corporation of Tennessee. Filed Sept. 24, 1924. Serial No. 739,636. 10 Claims. (Cl. 74—54.)



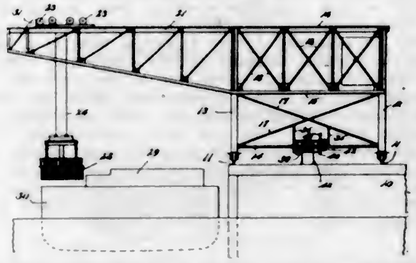
9. In a sawmill setworks, the combination of a set shaft, means for moving said set shaft forward, a brake drum for said set shaft, a brake shoe in position to engage said drum to automatically prevent back motion of the set shaft, means for engaging said forward operating means and for applying the brake, and means for causing the brake to engage the drum prior to the engagement of the forward operating means.

1,590,989. FUEL BURNER. HARRY F. CLAYTON, Strathmore, Quebec, Canada, assignor to Herbert Bartholomew, Montreal, Canada. Filed July 20, 1925. Serial No. 44,650. 2 Claims. (Cl. 158—78.)



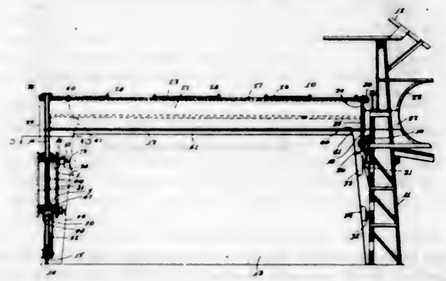
2. A fluid fuel burner comprising a body shouldered to form a rear part, a smaller externally threaded intermediate part and a still smaller front part tapering at its forward end, a motive fluid passage extending axially from the rear end through all three body parts and reduced in diameter at its forward end, a plug in the rear end of said passage giving access for cleaning without dismounting the burner, a fuel passage parallel with the first passage opening through the front shoulder of the body, an internally shouldered cap taper bored in front of its shoulder and screwed in rear of its shoulder on the intermediate part of the body, the cap shoulder and front body shoulder being maintained in spaced relation by engagement of the rear end of the cap and the rear shoulder of the body, such spacing forming an annular channel into which the fuel passage opens and the bore of the cap being slightly larger than the front part of the body thereby to form a narrow tapering annular passage communicating with the first annular passage for egress of fuel, the bore of the cap being flared beyond the end of the body and at substantially the same angle as the taper, and radial inlet passages for the motive fluid and fuel passages arranged approximately 90° apart, the fuel inlet passage being additionally inclined toward the front of the burner.

1,590,990. GANTRY CRANE. CLAUD E. FULLER, New York, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y., a Corporation of New York. Filed July 8, 1924. Serial No. 724,782. 1 Claim. (Cl. 104—235.)



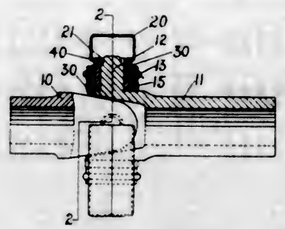
In combination with a gantry crane, comprising a bridge, wheel mounting for said bridge, tracks on which the wheels are placed for longitudinal movement thereon, a cable, anchoring means for said cable whereby the cable is anchored, one end at each end of the track, a drum rotatably mounted on the bridge and independent of the wheel mounting, a driving motor, a reduction gearing interposed between the motor and the drum, said drum having the intermediate portion of the cable wound thereon and whereby rotation of the drum in either direction will cause a winding up of one end of the cable thereon and a simultaneous paying off of an equal length of the other end of the cable therefrom, said reduction gearing, drum, and cable acting as a braking device to prevent accidental longitudinal movement of the bridge on the rails.

1,590,991. CONTINUOUS-BURNING HOOD. CLAUD E. FULLER, New York, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1925. Serial No. 59,841. 4 Claims. (Cl. 25—132.)



1. An improved smoke hood apparatus for kiln sheds and the like, comprising a plurality of parallelly arranged elements provided on their top surfaces with a plurality of openings, means for supporting said parallelly arranged smoke hoods above a kiln, and means for opening and closing said openings at will.

1,590,992. UNIVERSAL JOINT. HARRY MAWSON FUNNELL, New Market, N. J. Filed Sept. 16, 1925. Serial No. 56,767. 2 Claims. (Cl. 64—102.)

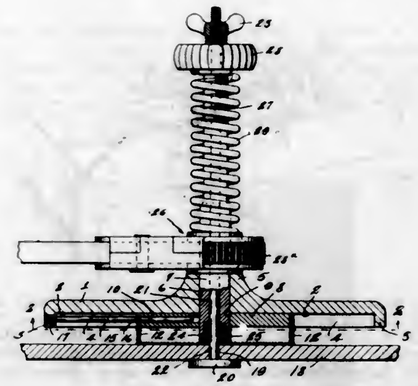


1. A universal joint or shaft coupling of the ring and trunnion type comprising a torque ring, a separate annular lubricant reservoir located coaxial with and entirely without the torque ring, housings for the trunnion bushings held by the torque ring and communicating with the lubricant reservoir.

1,590,993. HEADLIGHT PROJECTOR. CHARLES G. HALL, Portland, Oreg. Filed Aug. 16, 1924. Serial No. 732,471. 2 Claims. (Cl. 240—41.)

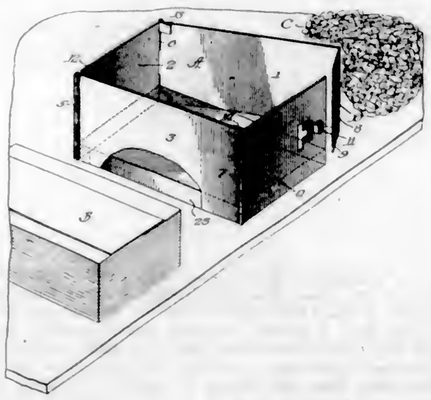
1. A headlight projector, comprising a table support secured to the frame of a motor vehicle, a shank journaled therein, a frame body pivotally secured to said shank by a cross shaft, a primary projector secured to said frame body and adapted to project light rays upon a secondary projector, a secondary projector pivotally mounted on said frame body and adapted to project and diffuse the light rays projected upon it by the primary projector, manipulative means adapted to direct the rays from the secondary projector above and below the horizontal line of travel, and manipulative means to divert the rays from the secondary projector from the parallel line of travel of the motor vehicle.

1,590,994. METAL-CUTTING TOOL. JOHN I. MISENER, Syracuse, N. Y., assignor to Misener & Irving Manufacturing Co. Inc., Syracuse, N. Y., a Corporation of New York. Filed Dec. 29, 1921. Serial No. 525,635. 4 Claims. (Cl. 77—69.)



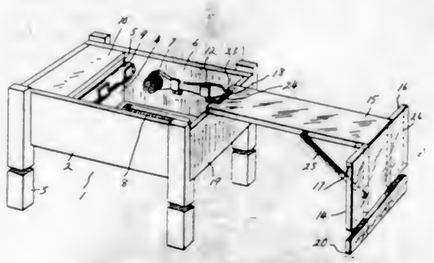
1. A metal cutting tool including a rotary head, die members of various sizes and a trailing arc-shaped hacksaw, and a member for attaching the die members to the rotary head and attaching the trailing arc-shaped hacksaw from the front end thereof, to the die members.

1,590,995. METHOD OF PACKAGING MERCHANDISE. DANIEL NELSON, Oak Park, Ill., assignor to Marshall Field & Company, Chicago, Ill., a Corporation of Illinois. Original application filed Apr. 6, 1925, Serial No. 20,926. Divided and this application filed Jan. 8, 1926. Serial No. 79,950. 2 Claims. (Cl. 93—2.)



1. The improvement in the art of packaging articles of merchandise for shipment, which consists in introducing the article into a tensionally strong flexible envelope, and, while sustaining the envelope in a moulding frame, packing the space between the article and the surrounding envelope with a mouldable packing material, under pressure sufficient to give to the mass a self-sustaining form corresponding to that of the moulding frame, and then, while maintaining compression of the packing, closing and securing the envelope and leaving its walls under tension.

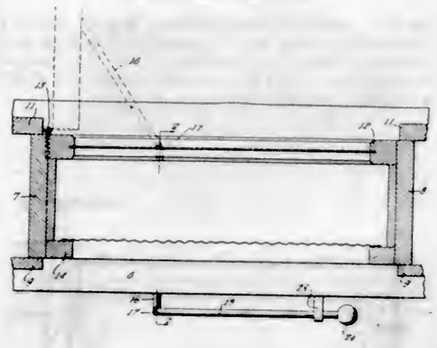
1,590,996. SHOE-BLACKING STAND. THOMAS C. WHITEHEAD, Detroit, Mich. Filed Feb. 9, 1925. Serial No. 8,049. 8 Claims. (Cl. 15—265.)



1. In a shoe-blacking stand, the combination with an open top box in which articles for cleaning shoes may be kept, of a cover for the box having a portion movable outwardly beyond a wall thereof for supporting a shoe while being cleaned, said portion being substantially equal in width to the width of a shoe.

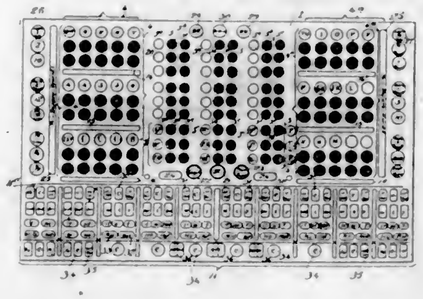
1,590,997. SASH OPERATOR. JAMES T. ATWOOD, Rockford, Ill. Filed June 21, 1923. Serial No. 646,772. 1 Claim. (Cl. 268—118.)

In combination with a window frame and a casement window sash hinged therein for swinging movement in opening and closing, the window frame having a sill which overhangs an inside wall at its inner edge, of a sash-operating rod comprising an inner and an outer section hinged together, the outer section extending through a hole drilled through said sill from its inner edge to the outer edge whereby to be concealed from view and to leave the top of the sill clear, said outer section having pivotal connection with said sash at its one end and projecting slightly beyond the inner edge of said sill at its opposite end, the inner section being adapted to lie along the inner edge of said sill in an out-of-the-way inoperative position



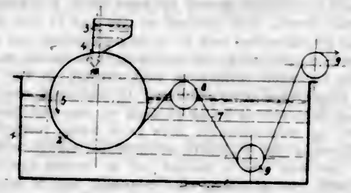
but arranged when swung into alignment with said outer section to be extended through the aforementioned hole in said sill to operate said sash, and a finger-operated holding device for releasably securing said rod to hold said sash in any desired position of adjustment, said device being received in an opening made in the under side of said sill at its overhanging inner edge and extending from beneath the overhanging edge whereby to be concealed from view while conveniently accessible for operation during the operation of said rod.

1,590,998. COMBINED KEYBOARD AND CHART. CLYDE C. BALSTON, New York, N. Y. Filed Oct. 17, 1924. Serial No. 744,286. Renewed Nov. 19, 1925. 56 Claims. (Cl. 197—98.)



1. The combination of a keyboard having keys, with a chart having a group of words, certain of said keys having operative relation to said words, and certain of said keys comprising a single character keyboard.

1,590,999. PROCESS FOR MANUFACTURING FOILS. EMIL CZAPEK and RICHARD WEINGAND, Bomlitz, Germany. Filed Mar. 20, 1924, Serial No. 700,672, and in Germany June 16, 1922. 2 Claims. (Cl. 18—57.)



1. The method of manufacturing foils from cellulosic solutions, such as viscose, capable of being precipitated, which comprises wetting a carrier with such a liquid as will quickly precipitate the cellulosic solution, heating from below the said carrier, flowing said cellulosic solution on the wetted carried to form a foil, and treating the exposed surface of the foil with precipitating liquid, the velocity of the carrier and the extent of treatment with the precipitating liquid being regulated to thoroughly precipitate the foil.

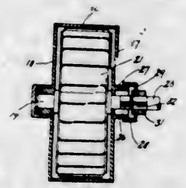
1,591,000. PROCESS FOR THE PRODUCTION OF HOLLOW BODIES FROM VISCOSE AND SIMILAR CELLULOSE SOLUTIONS. EMIL CZAPEK and RICHARD WEINGAND, Bomlitz, Germany. Filed Oct. 1, 1924, Serial No. 741,051, and in Germany Oct. 15, 1921. 3 Claims. (Cl. 18—57.)

1. The process of producing caps for bottles or other hollow articles from viscose cellulose which consists in rinsing out the interior surface of an open mold with a solution of viscose-cellulose to form a coating therein, applying upon said coating a precipitant to precipitate within the mold a cellulose film, removing the film while in a moist condition from the interior of the mold, rendering the film so produced insoluble in water, washing the film, distending the product to its final shape and drying the finally shaped product.

1,591,001. SHEET ABRASIVE MATERIAL. HENRY JOSEPH, Pittsburgh, Pa., assignor to United States Sand Paper Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed May 12, 1925. Serial No. 29,838. 6 Claims. (Cl. 51—279.)

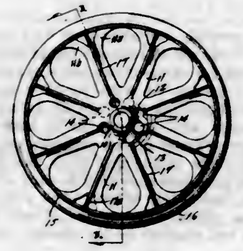
1. A flexible sheet abrasive material comprising a flexible backing, an abrasive, and a stable and permanently flexible adhesive for securing said abrasive to said backing, which adhesive is fireproof and remains fireproof and retains its adhesive and flexible properties after being thoroughly wetted.

1,591,002. EXHAUST MOTOR. KARL RUMRICH, New York, N. Y. Filed Sept. 10, 1924. Serial No. 736,851. 1 Claim. (Cl. 64—89.)



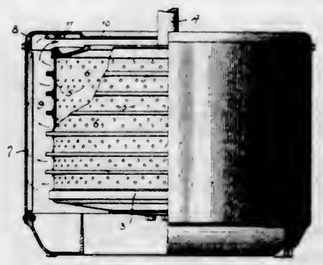
In an exhaust motor, a coupling for joining or disjoining shafts placed end to end, said shafts having square ends, a threaded sleeve on the motor, a block having a square opening passing therethru and an annular encircling channel, said block being mounted on said square shafts and being slidable into the threaded sleeve, said threaded sleeve being fixed, a collar threaded on the sleeve and having a flange engageable in the encircling channel of said block, said flange being free to rotate relative to the block, said collar on being threaded upon the sleeve being capable of sliding said block along the square portion of one shaft onto the squared portion of the other shaft to couple the two shafts.

1,591,003. CAST-STEEL CAR WHEEL. MERLIN S. VINCENT, Newton, Iowa, assignor to The Parsons Company, Newton, Iowa. Filed July 27, 1925. Serial No. 46,324. 2 Claims. (Cl. 295—27.)



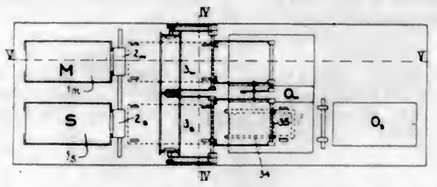
1. In a cast steel wheel, a tread, a hub and curved radial connecting spokes, said spokes being connected with the hub by diverging webs of substantially the same thickness as the spokes, said spokes being divided at their outer ends into converging curved parts for forming a truss connection with the tread for each spoke and for forming a truss by means of the adjacent portions of adjacent spokes, and a longitudinal rib on the convex side of each spoke widened centrally between the outward converging portions of the spokes to extend across the inner side of the tread, substantially as shown.

1,591,004. CENTRIFUGAL MACHINE. CHARLES A. OLCOTT, New York, N. Y., assignor to S. S. Hepworth Company, New York, N. Y., a Corporation of New York. Filed June 3, 1925. Serial No. 34,642. 4 Claims. (Cl. 210—63.)



1. In a centrifugal machine, a stationary casing for the centrifugal basket, an inwardly extending annular cover for the casing, and means on the inner face of the cover causing outward flow of liquid entrained by the current of air escaping at the inner margin of the cover during the operation of the machine.

1,591,005. APPARATUS FOR THE MECHANICAL ASSEMBLING OF STATISTICAL CARDS BEARING CORRESPONDING DATA. CORNELIS HENDRICUS STUIVENBERG, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap "Kamatec," Amsterdam, Netherlands. Filed June 18, 1925, Serial No. 38,111, and in Netherlands Jan. 23, 1924. 7 Claims. (Cl. 209—110.)



1. Apparatus for the mechanical assembling of statistical cards bearing corresponding data in the form of perforations arranged in columns comprising separate storage receptacles for cards of two sorts, a pair of perforated feeler plates associated with each of said receptacles, means for withdrawing one card at a time from each of said receptacles and passing it in between the corresponding pair of feeler plates, separate magazines for the reception of cards discharged from the feeler plates, a set of feeler pins associated with each of said pairs of feeler plates, means for passing each pin through a pair of registering perforations in one of said pairs of feeler plates when not stopped by the absence of a corresponding perforation in a card interposed between said feeler plates, a set of rods on the side of each pair of feeler plates remote from the feeler pins, each of said rods being adapted to be pushed away by a corresponding feeler pin when said feeler pin passes through the feeler plates and a card interposed between them, a plurality of transverse levers, each pivoted at one end to one of said rods and at the other end to a corresponding rod of the other set, a plurality of resiliently mounted movable bars, one for each column of perforations on the cards, all the transverse levers pivoted to the rods associated with any one column being pivoted to one and the same bar, and the said movable bars each being formed with two notches, a set of levers adapted to engage with one of said notches and a second set of levers adapted to engage with the other of said notches, one of said sets only permitting movement upon all the movable bars being displaced by the action of the feeler pins on the rods, means for positively initiating movement of a movable lever, each time the feeler pins are actuated, so as to prevent discharge of the card located between one pair of feeler plates and its replacement by a fresh card and to permit discharge and replacement of the card located between the other pair of feeler plates upon all the movable bars being displaced by the action of the feeler pins on the rods, and to permit discharge and replacement of the first-mentioned card and prevent discharge and replacement of the other upon complete agreement not being found by the feeler pins, and means for deflecting a card discharge from one pair of feeler plates to the magazine intended for the cards discharged from the other pair of feeler plates.

June 1, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ackermann, Steffan & Co., Chicago, Ill. Jeweler's saws, jig saws, fred saws, etc., and blades for same. 213,687; June 1; Serial No. 221,225; published Mar. 23, 1926.

Adelson, Abe N., Inc., New York, N. Y. Ladies' hats. 213,501; June 1; Serial No. 225,856; published Mar. 2, 1926.

Aktinol Laboratories, Inc., The, Chicago, Ill. General tonic. 213,691; June 1; Serial No. 224,442; published Mar. 16, 1926.

Alderney Dairy Company, Newark, N. J. Butter and cheese. 213,515; June 1; Serial No. 224,689; published Mar. 16, 1926.

Alexander, Benjamin, New York, N. Y. Incense powder and scented powder for the bath and body. 213,699; June 1; Serial No. 225,392; published Mar. 16, 1926.

Alsen'sche Portland Cement Fabriken, Hamburg, Germany. Portland cement. 28,543; renewed July 7, 1926.

American Acoustic Corporation, New York, N. Y. Electrical devices for assisting the hearing. 213,632; June 1; Serial No. 226,121; published Mar. 23, 1926.

American Biscuit and Manufacturing Co., Chicago, Ill., assignor, by mesne assignments, to National Biscuit Company, New York, N. Y. Crackers and biscuits. 28,778; renewed Aug. 8, 1926.

American Carbonic Machinery Co., Wisconsin Rapids, Wis. Valves for ice machines or refrigeration compressors. 213,613; June 1; Serial No. 222,556; published Mar. 23, 1926.

American Lady Corset Co., Detroit, Mich. Corsets, brassières, girdles, etc. 213,500; June 1; Serial No. 226,034; published Mar. 9, 1926.

American Printing Company, Fall River, Mass. Cotton piece goods. 213,795; June 1.

American Provisions Export Company, Chicago, Ill. Lard and meats. 213,520; June 1; Serial No. 224,371; published Mar. 23, 1926.

Amter, Sarah C., Cripple Creek, Colo. Cough sirup. 215,732; June 1; Serial No. 224,271; published Mar. 16, 1926.

Applewhite, Nathaniel S., Washington, D. C. Preparation for use in the treatment of nervous indigestion, dyspepsia, etc. 213,693; June 1; Serial No. 226,874; published Mar. 16, 1926.

Armand Company, The, Des Moines, Iowa. Rouge. 213,777; June 1.

Armstrong Cork Company, Pittsburgh, Pa. Cork cots for spinning frames. 213,786; June 1.

Artpho Company, Pittsburgh, Pa. Sensitized photographic printing paper. 213,617; June 1; Serial No. 223,680; published Mar. 23, 1926.

Associated Merchandising Corporation, New York, N. Y. Arctics. 213,497; June 1; Serial No. 226,276; published Mar. 9, 1926.

Associated Merchandising Corporation, New York, N. Y. Baggage, particularly valises, satchels, and bags. 213,584; June 1; Serial No. 225,340; published Mar. 16, 1926.

Associated Physicians Laboratories, San Francisco, Calif. Tablets to be used in the treatment of acid stomach, indigestion, etc. 213,737; June 1; Serial No. 223,882; published Mar. 23, 1926.

Associated Physicians Laboratories, San Francisco, Calif. Alkaline powder to be used in the treatment of catarrhal conditions of the vaginal mucous membrane. 213,738; June 1; Serial No. 223,883; published Mar. 23, 1926.

Atlantic Orchard Corporation, Montezuma, Ga., and New York, N. Y. Fresh peaches. 213,547; June 1; Serial No. 218,282; published Mar. 23, 1926.

Auburn Button Works Incorporated, Auburn, N. Y. Buttons molded from phenolic compounds. 213,579; June 1; Serial No. 225,101; published Mar. 16, 1926.

Auerbach, L., & Co., Fuerth, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Bronze colors, brocades, and leaf metals. 55,490; renewed Aug. 14, 1926.

Babani, Maurice, Paris, France. Perfumes, toilet water, talcum powder, etc. 213,703; June 1; Serial No. 225,637; published Mar. 16, 1926.

Bakelite Corporation, New York, N. Y. Safe combination knobs. 213,611; June 1; Serial No. 221,587; published Mar. 23, 1926.

Baldwin Tool Works, Parkersburg, W. Va. Shovels, spades, scoops, posthole diggers, wooden handles, and parts thereof. 213,787; June 1.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 213,512–14; June 1; Serial Nos. 224 589–91; published Mar. 16, 1926.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 213,516; June 1; Serial No. 224,588; published Mar. 16, 1926.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 213,521; June 1; Serial No. 224,587; published Mar. 16, 1926.

Baronet Extract and Distributing Co. (See Gugenheim, Albert M.)

Bastian-Blessing Company, The, Chicago, Ill. Self-contained fire extinguishers. 213,622; June 1; Serial No. 224,648; published Mar. 23, 1926.

Bates Valve Bag Company, Chicago, Ill. Bags for packaging and handling materials of various kinds. 213,790; June 1.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 213,570; June 1; Serial No. 227,103; published Mar. 23, 1926.

Bejem Corporation, The, New York, N. Y. Food preparation containing fish albumen and extract of malt. 213,640; June 1; Serial No. 226,091; published Mar. 16, 1926.

Benzo-Gas Motor Fuel Company, Kansas City, Mo. Gasoline. 213,685; June 1; Serial No. 227,216; published Mar. 23, 1926.

Berliner, Edwin E., & Co., New York, N. Y. Cotton piece goods. 213,798; June 1.

Bernhan Chemical & Metal Corp., New York, N. Y. Corn sugar used in tanning. 213,714; June 1; Serial No. 168,351; published Mar. 16, 1926.

Binney & Smith Company, New York, N. Y. Black pigments for rubber, paint, ink, etc. 213,758; June 1; Serial No. 226,710; published Mar. 23, 1926.

Birmingham Small Arms Company Limited, The, Birmingham, England. Automobiles and their component parts. 50,830; renewed Apr. 3, 1926.

Birmingham Small Arms Company Limited, The, Birmingham, England. Cycles, motor cycles, and parts thereof. 50,890; renewed Apr. 3, 1926.

Bischoff, Ernst, Co. Inc., New York, N. Y. Therapeutic agent for hypodermic injections for the treatment of arthritis, pyelitis, etc. 213,762; June 1; Serial No. 226,938; published Mar. 23, 1926.

Bloomington Canning Co., Bloomington, Ind. Canned fruits and vegetables. 52,129; renewed May 1, 1926.

Bobrow Optical Mfg. Co., Inc., Brooklyn, N. Y. Spectacles, spectacle frames, and parts thereof. 213,540; June 1; Serial No. 222,659; published Mar. 16, 1926.

Boehringer, Albert, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Medicaments for treating helminthiasis, powders, tablets, and pills, digitalis, etc. 213,719; June 1; Serial No. 211,326; published Mar. 16, 1926.

Boisseau, Emile, doing business as Leon Pelleray, Paris, France. Irons for waving and curling the hair. 213,791; June 1.

Borine Mfg. Co. (See Medical Novelty Company, assignor.)

Branch, James, & Sons, Limited, London, England. Boots, shoes, and slippers. 213,555; June 1; Serial No. 225,661; published Mar. 16, 1926.

Brigstocke, M. K., doing business as The Miracle Co., Catskill, N. Y. Liquid preparation for polishing metals, glass windows, mirrors, and the like. 213,669; June 1; Serial No. 215,131; published Jan. 12, 1926.

Brogdex Company, Winterhaven, Fla., and Los Angeles, Calif. Protective compositions for treating fruit. 213,673; June 1; Serial No. 188,527; published Mar. 2, 1926.

Brokaw Brothers, New York, N. Y. Suits, overcoats, shirts, neckties, mufflers, etc. 213,527; June 1; Serial No. 221,476; published Mar. 23, 1926.

Brooks Tent & Awning Company, The, Denver, Colo. Tent cloth. 213,657; June 1; Serial No. 208,564; published Mar. 23, 1926.

Brown, Frances, doing business as Silph Medical Company, New York, N. Y. Preparation for the treatment of obesity. 213,551; June 1; Serial No. 221,405; published Feb. 2, 1926.

Brown, Palmer L., doing business as The Palmer Products Company, Battle Creek, Mich. Polish for furniture, etc. 213,654; June 1; Serial No. 193,188; published Sept. 8, 1925.

Brown, Walter P., New Haven, Conn. Hosiery and silk underwear. 213,549; June 1; Serial No. 220,392; published Mar. 16, 1926.

Brownlee, Roy H., doing business as Old Faithful Company, Pittsburgh, Pa. Collapsible-tube squirt guns containing a fire-extinguishing chemical. 213,619; June 1; Serial No. 224,177; published Mar. 23, 1926.

Cain, Dr. Wm., Company, Bay City, Miss. Veterinary remedy for the treatment of Texas or tick fever. 213,764; June 1; Serial No. 225,701; published Mar. 16, 1926.

California Health Food Co., Los Angeles, Calif. Coffee substitute. 213,532; June 1; Serial No. 209,119; published Mar. 23, 1926.

Casmith Remedy Company, also doing business as Smith Remedy Co., Washington, D. C. Pile remedy. 213,747; June 1; Serial No. 226,763; published Mar. 16, 1926.

Casmith Remedy Company, doing business as Washington Belle Toilet Co., Washington, D. C. Hair-straightening preparation, skin bleach, etc. 213,759; June 1; Serial No. 226,782; published Mar. 23, 1926.

Chemical Foundation, Incorporated, The. (See Auerbach, L., & Co., assignor.)

Chemical Foundation, Incorporated, The. (See Hoffman's Stärkenfabriken, assignor.)

Chemical Foundation, Incorporated, The. (See Norddeutsche Wollkämmerei & Kammgarnspinnerei, assignor.)

Chemical Foundation, Incorporated, The. (See Vereinigte Chemische Werke Aktiengesellschaft, assignor.)

Chesebrough Manufacturing Co. (Consolidated), New York, N. Y. Pomade. 213,571; June 1; Serial No. 226,713; published Mar. 23, 1926.

Cleveland Sandusky Company, The, Cleveland, Ohio. Ginger ale. 213,773; June 1.

Cloverleaf Products Co., Los Angeles, Calif. Nonalcoholic, maltless beverages and sirups and extracts for making the same. 213,776; June 1.

Coffee Maid Corporation, The, Louisville, Ky. Device for making coffee. 213,723; June 1; Serial No. 226,231; published Mar. 23, 1926.

Cohen, Hymen, doing business as Manhattan Woolen Mills, Duluth, Minn. Knitted sweaters, mackinaw coats, shirts, hose, etc. 213,684; June 1; Serial No. 227,165; published Mar. 23, 1926.

Cohn-Goldwater Manufacturing Co., Los Angeles, Calif. Work clothing, children's play suits, etc. 213,560; June 1; Serial No. 204,158; published Mar. 16, 1926.

Colgate & Company, Jersey City, N. J. Perfumes, perfumed powders, and toilet water. 213,709; June 1; Serial No. 226,047; published Mar. 16, 1926.

Columbia Ribbon & Carbon Manufacturing Company, Inc., New York, N. Y. Carbon paper. 213,612; June 1; Serial No. 221,807; published Mar. 23, 1926.

Colvin and Mahood Company, Pittsburgh, Pa. Coffee. 213,679; June 1; Serial No. 227,061; published Mar. 23, 1926.

Commander Mill Company, Minneapolis, Minn. Semolinas, durum feed, durum flour, rye feed, etc. 213,624; June 1; Serial No. 224,956; published Mar. 23, 1926.

Continental Caoutchouc Company, New York, N. Y., assignor to Continental Caoutchouc- und Gutta-Percha Compagnie, Hanover, Germany. Tires, bandages, repair sheets, plasters, and patches. 48,342; renewed Dec. 26, 1926.

Continental Caoutchouc Company, New York, N. Y., assignor to Continental Caoutchouc und Gutta-Percha Compagnie, Hanover, Germany. India-rubber bags and pouches. 51,760; renewed Apr. 24, 1925.

Cornish, Guy S., doing business as The Protexu Products Company, Cincinnati, Ohio. Chemicals for testing alcohol. 213,744; June 1; Serial No. 226,716; published Mar. 16, 1926.

Craddock-Terry Company, Lynchburg, Va. Leather shoes. 213,665; June 1; Serial No. 210,885; published Apr. 28, 1925.

Crucible Steel Company of America. (See Howe, Brown & Co. Ltd., assignor.)

Curtis Bay Copper & Iron Works, Baltimore, Md. Golf clubs and golf-club heads. 213,781; June 1.

Cyclone Fence Company, Waukegan, Ill. Wire baskets. 213,643; June 1; Serial No. 226,335; published Mar. 23, 1926.

Daisy Products Company. (See Young, Joseph A.)

Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 213,590; June 1; Serial No. 211,986; published Mar. 23, 1926.

Davis, L. H., & Company, Fresno, Calif. Dried raisins and figs. 213,509; June 1; Serial No. 216,714; published Mar. 23, 1926.

Dean, William P., Eldon, James Lane, Burgess Hill, Sussex, England. Device for practicing putting for the game of golf. 213,508; June 1; Serial No. 216,669; published Mar. 23, 1926.

Dees, Charles W., Ellensburg, Wash. Antiseptic liquid court plaster. 213,663; June 1; Serial No. 224,450; published Mar. 16, 1926.

Deming, William L., Salem, Ohio. Egg boilers. 213,554; June 1; Serial No. 225,651; published Mar. 9, 1926.

Detroit Candy Company, Detroit, Mich. Candy. 213,528; June 1; Serial No. 221,809; published Mar. 23, 1926.

Doerr Manufacturing Company, Grand Rapids, Mich. Base-metal receptacles for attachment to the inside of automobiles. 213,674; June 1; Serial No. 199,611; published Mar. 23, 1926.

Drake Corporation, Norfolk, Va. Warp dressings. 213,718; June 1; Serial No. 204,545; published Mar. 16, 1926.

Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tennis balls. 213,780; June 1.

Dygas, Aniela, Chicago, Ill. Medicine for rheumatism, chronic and acute, and rheumatic pains. 213,707; June 1; Serial No. 225,915; published Mar. 16, 1926.

E. Z. Walk Arch Corporation, The, New York, N. Y. Supports for arches and other parts of the feet and inner supporting soles. 213,561–3; June 1; Serial Nos. 208,333–5; published Mar. 23, 1926.

E. Z. Walk Arch corporation, The, New York, N. Y. Supports for the arches and other parts of the feet and inner supporting soles. 213,564; June 1; Serial No. 208,337; published Mar. 23, 1926.

Economy Tire Co., Oklahoma City, Okla. Portable tube repair kits and fan belts. 213,618; June 1; Serial No. 223,902; published Mar. 23, 1926.

Eddystone Manufacturing Company, The, Eddystone, Pa. Cotton textile fabrics. 213,789; June 1.

Empire Plow Company, The, Cleveland, Ohio. Plows, cultivators, harrows, etc. 213,686; June 1; Serial No. 207,977; published Mar. 23, 1926.

Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 213,526; June 1; Serial No. 207,234; published Mar. 16, 1926.

Engstrom, Ernest W., doing business as Kent Hatchery, Kent, Wash. Baby chicks. 213,529; June 1; Serial No. 224,133; published Mar. 23, 1926.

Enterprise Manufacturing Company, The, Akron, Ohio. Sinkers for fishing lines. 213,644; June 1; Serial No. 226,348; published Mar. 23, 1926.

Estes, Llewellyn W., Washington, D. C. Blood purifier and liver regulator. 28,546; renewed July 7, 1926.

Falk, Dr., Stock Remedy Co., Cincinnati, Ohio. Poultry tablets. 213,739; June 1; Serial No. 223,908; published Mar. 9, 1926.

Farquhar, R. & J., & Co., to R. & J. Farquhar Company, Boston, Mass., successor. Flowering bulbs. 28,468; renewed June 30, 1926.

Feroleue Sales Co., The, Kansas City, Mo. Preparation for cleaning and lubricating ferrotype tins. 213,698; June 1; Serial No. 225,182; published Mar. 16, 1926.

Ferris Bros. Co., Newark, N. J. Corsets, brassières, and corset waists and waists and underwear. 213,539; June 1; Serial No. 222,172; published Mar. 9, 1926.

Film Booking Offices of America, Inc., New York, N. Y. Motion-picture films. 213,742; June 1; Serial No. 226,952; published Mar. 23, 1926.

Filthuth, A., San Francisco, Calif. Coffee. 213,653; June 1; Serial No. 227,008; published Mar. 23, 1926.

Finck, W. M., and Company, Detroit, Mich. Work garments. 213,524; June 1; Serial No. 224,084; published Mar. 23, 1926.

Frankenberg, Henry E., Company, assignor to John A. Kraemer Co., Inc., New York, N. Y. Thread, chenille, and arrasene. 49,051; renewed Jan. 23, 1926.

Frankenberg, Henry E., Company, assignor to John A. Kraemer Co., Inc., New York, N. Y. Silks. 49,052; renewed Jan. 23, 1926.

Frankenberg, Henry E., Company, assignor to John A. Kraemer Co., Inc., New York, N. Y. Trimmings and braids. 49,196–7; renewed Jan. 30, 1926.

Frankenberg, Henry E., Company, assignor to John A. Kraemer Co., Inc., New York, N. Y. Silks. 49,235; renewed Jan. 30, 1926.

Frankenberg, Henry E., Company, assignor to John A. Kraemer Co., Inc., New York, N. Y. Threads, chenille, tinsel, and arrasene. 49,275; renewed Jan. 30, 1926.

Franklin Simon & Co. Inc., New York, N. Y. Men's and boys' house coats, waistcoats, trousers, etc. 213,578; June 1; Serial No. 225,010; published Mar. 23, 1926.

Freeman, Albert, New York, N. Y. Tobacco pipes. 213,550; June 1; Serial No. 221,052; published Mar. 16, 1926.

Freshie Co. Inc., The, New York, N. Y. Cleansing-cream paper. 213,770; June 1; Serial No. 227,301; published Mar. 23, 1926.

Frost, G. W., & Sons, Stevens Point, Wis. Artificial fishing flies. 213,779; June 1.

Galef, Jacques L., New York, N. Y. Revolvers and shotguns. 213,593; June 1; Serial No. 218,912; published Mar. 23, 1926.

General Machine Works, Houston, Tex. Flame arresters, gauge hatches, breathing valves, etc. 213,729; June 1; Serial No. 223,088; published Mar. 23, 1926.

General X-Ray Company, Boston, Mass. X-ray, physiotherapy, and electromedical apparatus. 213,636; June 1; Serial No. 226,648; published Mar. 23, 1926.

Giesen, Paul, doing business as Giesen & Forsthoff, Solingen, Germany. Pocketknives, scissors, razors, etc. 213,608; June 1; Serial No. 221,224; published Mar. 23, 1926.

Gilman Fanfold Corporation, Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Aligning machines. 213,626; June 1; Serial No. 225,301; published Mar. 23, 1926.

Gold Brand Confectionery Inc., Boston, Mass. Candy. 213,546; June 1; Serial No. 217,556; published Oct. 6, 1925.

Goldsmith, Edwin M., assignor, by mesne assignments, to Louis Goldsmith, Inc., Philadelphia, Pa. Men's coats and trousers. 52,570; renewed May 15, 1926.

Goodrich, Herbert F., doing business as Goodrich Drug Co., Anoka, Minn. Liniment. 213,750; June 1; Serial No. 225,708; published Mar. 23, 1926.

Granger & Co., Buffalo, N. Y. Coffee. 213,694; June 1; Serial No. 209,785; published Mar. 16, 1926.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paints. 213,799; June 1.

Grennan Bakeries Inc., Detroit, Mich. Cakes, fried cakes, and cookies. 213,689; June 1; Serial No. 226,054; published Mar. 23, 1926.

Grossman, Joseph, doing business as Kasdum Company, Steubenville, Ohio. Scratch food for poultry. 213,525; June 1; Serial No. 224,704; published Mar. 16, 1926.

Gugenheim, Albert M., doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio. Rubbing alcohol. 213,705; June 1; Serial No. 225,712; published Mar. 16, 1926.

Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, wool, and cotton. 213,572; June 1; Serial No. 227,174; published Mar. 23, 1926.

Hadfield-Penfield Steel Company, Bucyrus, Ohio. Road graders. 213,606; June 1; Serial No. 220,230; published Mar. 23, 1926.

Hamblin, Ed., jr., Woodward, Okla. Preparation for use in the treatment of rail cloth of pool tables. 213,710; June 1; Serial No. 226,140; published Mar. 16, 1926.

Hancock Refining Co., Long Beach, Calif. Lubricating oils and greases. 213,522; June 1; Serial No. 224,020; published Mar. 9, 1926.

Hardwick & Magee Company, Philadelphia, Pa. Textile rugs. 213,605; June 1; Serial No. 226,807; published Mar. 23, 1926.

Harmit & Hewitt Co., The, Toledo, Ohio. Coffee. 213,651; June 1; Serial No. 224,957; published Mar. 23, 1926.

Hart & Company, The, Cleveland, Ohio. Hats for women and children. 213,537; June 1; Serial No. 222,068; published Mar. 16, 1926.

Hart, E. J., & Co. Ltd., New Orleans, La. Tonic. 213,757; June 1; Serial No. 226,651; published Mar. 23, 1926.

Haskell Silk Co., The, Westbrook, Me. Silk and rayon mixed goods in the piece. 213,603; June 1; Serial No. 226,587; published Mar. 23, 1926.

Hatherley, Ethel M., Chicago, Ill. Flavoring filling for cakes and desserts. 213,519; June 1; Serial No. 224,561; published Mar. 16, 1926.

Hearn, James A., & Son Inc., New York, N. Y. Infants' wear. 213,507; June 1; Serial No. 208,589; published Mar. 23, 1926.

Hearn, James A., & Son Inc., New York, N. Y. Bootees, jackets, dresses, shirts, etc. 213,530; June 1; Serial No. 208,590; published Mar. 23, 1926.

Helmholz Shoe Manufacturing Company, Cudahy, Wis. Leather boots and shoes. 213,504–5; June 1; Serial No. 225,658–9; published Mar. 2, 1926.

Henderson, Louis S., Frankford, Philadelphia, Pa. Chenille rugs. 213,596; June 1; Serial No. 224,408; published Mar. 23, 1926.

Henney's Original Fruit Cup Co., The, New Haven, Conn. Beverages and sirups, extracts, and flavors used in the preparation of same. 213,576; June 1; Serial No. 224,913; published Mar. 23, 1926.

Hirsch, Walter J., Company, Chicago, Ill. Candy bars and candy. 213,650; June 1; Serial No. 226,903; published Mar. 23, 1926.

Hoffman's Stärkefabriken, Salzufien, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Starch and its preparations, soap, soap powder, soda, blue, borax, and the like. 28,223; renewed May 5, 1926.

Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 213,595; June 1; Serial No. 223,238; published Mar. 23, 1926.

Holland-Rantos Co., Inc., New York, N. Y. Hygienic preparations for the treatment and prevention of vaginal catarrh and other female disorders. 213,756; June 1; Serial No. 226,654; published Mar. 16, 1926.

Indicator and sighting compass. 213,785; June 1.

Hollinwood, George, Cranford, N. J. Combination time indicator and sighting compass. 213,785; June 1.

Hood, John D., doing business as Hood's Herb Remedies, Bayonne, N. J. Preparation for the treatment of indigestion, bloating, heartburn, etc. 213,706; June 1; Serial No. 225,714; published Mar. 16, 1926.

Howe, Brown & Co. Ltd., Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Steel. 54,307; renewed June 26, 1926.

Hubbard Products Company, Kokomo, Ind. Vehicle ventilators. 213,788; June 1.

Huber, John F., Racine, Wis. Corn, bunion, and callus remedy. 213,749; June 1; Serial No. 224,971; published Mar. 23, 1926.

Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Perfumes, powders, soaps, dentifrice, creams, hair oils, etc. 28,496; renewed June 30, 1926.

Hudnut, Richard, assignor to Richard Hudnut, New York, N. Y. Extracts, waters, lotions, colognes, powders, oils, creams, soaps and the like. 28,497; renewed June 30, 1926.

Independent Home Oil Co., Fairmount, N. Dak. Gasoline, kerosene, lubricating oils and greases. 213,668; June 1; Serial No. 215,071; published Nov. 3, 1925.

Independent Oil and Gas Company, Tulsa, Okla. Gasoline, kerosene, and other liquid motor fuel. 213,586; June 1; Serial No. 225,514; published Mar. 23, 1926.

Independent Oil and Gas Company, Tulsa, Okla. Axle greases, gear greases, and lubricating greases, etc. 213,587; June 1; Serial No. 225,515; published Mar. 23, 1926.

Inderrieden Canning Co., Chicago, Ill. Dried fruits. 213,534; June 1; Serial No. 216,395; published Mar. 23, 1926.

Indianapolis Fancy Grocery Co., Indianapolis, Ind. Canned vegetables and fruits, etc. 213,492; June 1; Serial No. 226,655; published Mar. 16, 1926.

Intravenous Products Company of America, Inc., New York, N. Y. Intravenous solutions for anæmia, rheumatism, etc. 213,724; June 1; Serial No. 218,645; published Mar. 16, 1926.

Jandus Electric Co., The, assignor, by mesne assignments, to The National Screw & Manufacturing Company, Cleveland, Ohio. Electric fans. 49,251; renewed Jan. 30, 1926.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits, knitted sweater coats, gloves, etc. 213,637; Serial No. 225,959; published Mar. 23, 1926.

Jones, R. E., doing business as Dr. R. E. Jones Baking Powder Co., St. Louis, Mo. Baking powder. 213,760; June 1; Serial No. 226,773; published Mar. 23, 1926.

Julia Hoyt Modes, Inc., New York, N. Y. Ladies' and misses' dresses, coats, cloaks, and suits. 213,514; June 1; Serial No. 222,926; published Mar. 2, 1926.

Junge Baking Company, Joplin, Mo. Cakes and crackers. 213,688; June 1; Serial No. 225,927; published Mar. 23, 1926.

KKK Medicine Company, Keokuk, Iowa. Food-flavoring extracts. 213,569; June 1; Serial No. 219,124; published Mar. 16, 1926.

Kaatze, D. W., Co. Inc., Brooklyn, N. Y. Bloomers. 213,495; June 1; Serial No. 226,659; published Mar. 16, 1926.

Kasdum Company. (See Crossman, Joseph.)

Kenney Manufacturing Company, Cranston, R. I. Metal curtain rods, drapery hardware, and window-shade hardware. 213,658; June 1; Serial No. 225,664; published Mar. 9, 1926.

Kent Hatchery. (See Engstrom, Ernest W.)

King Milling Co., Lowell, Mich. Egg mash, chick feed, growing feed, etc. 213,620; June 1; Serial No. 224,518; published Mar. 23, 1926.

Knox, James E., doing business as Nilene Laboratories, New York, N. Y. Medicine for the treatment of menstrual disorders. 213,741; June 1; Serial No. 226,856; published Mar. 16, 1926.

Korrex, Los Angeles, Calif. Disinfectants. 213,764; June 1; Serial No. 227,179; published Mar. 23, 1926.

Kosine Co., The. (See Mertz, Edward P.)

Kraemer, John A., Co. (See Frankenberg, Henry E., Company, assignor.)

Kunze, L. G., Chicago, Ill. Preserved fruits, jellies jams, and other food products. 213,797; June 1.

Lakeview Fruit Co., Union City, N. J., and Lakeview, N. C. Fresh and canned fruits. 213,535; June 1; Serial No. 216,550; published Mar. 23, 1926.

La Salle Company, The, St. Paul, Minn., assignor to La Salle Products, Inc. Perfumes, toilet waters, hair tonic, etc. 213,753; June 1; Serial No. 226,433; published Mar. 23, 1926.

La Salle Company, assignor to La Salle Products, Inc., St. Paul, Minn. Perfumes, toilet waters, face creams, etc. 213,754; June 1; Serial No. 226,434; published Mar. 23, 1926.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Mixed feeds, middlings, bran, and ground screenings. 213,634; June 1; Serial No. 226,292; published Mar. 23, 1926.

Lecaron Fils, doing business as Parfumerie Gelle Frères, Paris, France. Toilet preparations. 213,700; June 1; Serial No. 225,427; published Mar. 16, 1926.

Le Jolie Main, Inc., New York, N. Y. Nail polishes, perfumes, and face and talcum powders. 213,701; June 1; Serial No. 225,428; published Mar. 16, 1926.

Le Jolie Main, Inc., New York, N. Y. Nail polishes, perfumes, face creams, etc. 213,708; June 1; Serial No. 226,009; published Mar. 9, 1926.

Les Etablissements Poulenc Freres, Paris, France. Pomatum with a base of propidon vaccine. 213,715; June 1; Serial No. 203,621; published Mar. 16, 1926.

Les Etablissements Poulenc Freres, Paris, France. Novarsenbenzol in tablet form. 213,716; June 1; Serial No. 203,623; published Mar. 16, 1926.

Les Etablissements Poulenc Freres, Paris, France. Theobrominacetate of soda. 213,717; June 1; Serial No. 203,624; published Mar. 16, 1926.

Levering, Arthur C., Riderwood, Md. Dentifrices. 213,711; June 1; Serial No. 226,294; published Mar. 16, 1926.

Lewy Chemical Co., The, New York, N. Y. Garment bags. 213,793; June 1.

Liberty Garment Company, Kansas City, Mo. Aprons and dresses. 213,629; June 1; Serial No. 225,961; published Mar. 23, 1926.

Linen Thread Co., The, New York, N. Y. Twine, rope, yarn, and roving made of cotton, jute, hemp, or flax. 213,655; June 1; Serial No. 198,652; published Mar. 23, 1926.

Lion Match Co., Inc., New York, N. Y. Matches. 213,588; June 1; Serial No. 225,614; published Mar. 16, 1926.

Lion Oil Company, Chicago, Ill. Petroleum, kerosene, gasoline, etc. 213,677; June 1; Serial No. 206,534; published Mar. 17, 1925.

Lion Varnish Company. (See Liszka, G. C., Incorporated.)

Lisk Manuf'g Co. Limited, Canandaigua, N. Y. Washboilers and washtubs. 213,625; June 1; Serial No. 225,270; published Mar. 23, 1926.

Liszka, G. C., Incorporated, Brooklyn, to Lion Varnish Company, Glendale, N. Y., successor. Paints, drier and varnishes. 28,515; renewed June 30, 1926.

Locke, Alfred T., Chicago, Ill. Fuel oils and lubricating oils. 213,511; June 1; Serial No. 224,668; published Mar. 2, 1926.

Lüling, P. Wilhelm, Volmarstein-on-the-Ruhr, Germany. Padlocks, door and furniture locks, latches, and bolts for the same. 213,670; June 1; Serial No. 216,276; published Mar. 23, 1926.

Luxite Silk Products Company, Milwaukee, Wis. Ladies' and misses' bloomers worn as undergarments. 213,682; June 1; Serial No. 227,130; published Mar. 23, 1926.

Lyndall, Frank S., doing business as Elbar Laboratories and also as El Bar Chemical Co., Chicago, Ill. Liquid cleaner. 213,727; June 1; Serial No. 222,265; published Jan. 12, 1926.

Lyon & Lyon, Chicago, Ill. Hairdressings. 213,662; June 1; Serial No. 227,026; published Mar. 16, 1926.

Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp glasses and globes. 213,594; June 1; Serial No. 223,129; published Mar. 23, 1926.

Mallinckrodt Chemical Works, St. Louis, Mo. Tetraiodphenolphthalein sodium salt. 213,690; June 1; Serial No. 222,470; published Mar. 16, 1926.

Mallinckrodt Chemical Works, St. Louis, Mo. Tetrabromphenolphthalein sodium salt. 213,728; June 1; Serial No. 222,469; published Mar. 16, 1926.

Mangel, James, doing business as White Cross Salve Co., San Diego, Calif. Healing salve and ointment. 213,752; June 1; Serial No. 226,067; published Mar. 23, 1926.

Manhattan Woolen Mills. (See Cohen, Hymen.)

Marechal, Ruchon & Co., Limited, London, England. Tobacco pipes, cigar and cigarette holders. 213,573; June 1; Serial No. 227,361; published Mar. 23, 1926.

Mari Trudeau Co., St. Paul, Minn. Perfumes, toilet water, hair tonics, nail polish, etc. 213,696; June 1; Serial No. 224,569; published Mar. 16, 1926.

Mason City Oil & Grease Company, Mason City, Iowa. Gasoline. 213,659; June 1; Serial No. 225,791; published Mar. 9, 1926.

Maté, Inc., Philadelphia, Pa. Face creams, powders, and packs, toilet waters, rouges, etc. 213,600; June 1; Serial No. 226,295; published Mar. 16, 1926.

Maté, Inc., Philadelphia, Pa. Face creams, powders, dentifrices, perfumes, bath salts, etc. 213,601; June 1; Serial No. 226,297; published Mar. 16, 1926.

McCord Company, James, Fort Worth, Tex. Lubricating oil. 213,556; June 1; Serial No. 225,662; published Mar. 9, 1926.

McCrery Creamery Company, The, Urbana, Ohio. Cheese. 213,627; June 1; Serial No. 225,311; published Mar. 23, 1926.

Medical Novelty Company, assignor, by mesne assignments, to Borine Mfg. Co., New York, N. Y. Medicated material for use on the human body. 26,026; renewed Feb. 12, 1925.

Menzel, Wm., & Son, New York, N. Y. Wood preservatives. 27,946; renewed Mar. 10, 1926.

Menzel, Wm., & Son, New York, N. Y. Wood and plant preserves. 28,001; renewed Mar. 24, 1926.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Emulsion of cod-liver oil. 213,748; June 1; Serial No. 226,818; published Mar. 16, 1926.

Mertz, Edward P., assignor to Edward H. Mertz, doing business as The Kosine Co., Washington, D. C. Medicines. 53,347; renewed May 29, 1926.

Methudy Tire and Rubber Company, St. Louis, Mo. Vehicle tires and inner tubes. 213,772; June 1.

Midwest Grocery Co., Kansas City, Mo. Compound for increasing the production of eggs and for the treatment of cholera, gape, etc., and other diseases of poultry. 213,745; June 1; Serial No. 226,729; published Mar. 16, 1926.

Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes, slippers, heels, and shoe findings, etc. 213,510; June 1; Serial No. 217,038; published Mar. 16, 1926.

Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes, slippers, overshoes, heels, and shoe findings, etc. 213,544; June 1; Serial No. 217,036; published Mar. 16, 1926.

Miller, Julius, doing business as Uca-Form Sales Company, Hillside, N. J. Medicated gum for treatment of head colds, catarrh, etc. 213,755; June 1; Serial No. 226,592; published Mar. 16, 1926.

Miracle Co., The. (See Brigstocke, M. K.)

Missouri Butterine Co. (See St. Louis Independent Packing Company.)

Mistletoe Creameries, Fort Worth, Tex. Butter. 213,559; June 1; Serial No. 194,729; published Mar. 23, 1926.

Motorite, Inc., Provo, Utah. Gasoline as a motor fuel. 213,712; June 1; Serial No. 226,437; published Mar. 16, 1926.

Mulford, H. K., Company, Philadelphia, Pa. Compressed tablets. 213,761; June 1; Serial No. 226,780; published Mar. 23, 1926.

Munyon Remedy Company, Scranton, Pa. General tonics. 213,604; June 1; Serial No. 226,593; published Mar. 16, 1926.

Murphy, Thomas C., Green Bay, Wis. Women's clothing. 213,582; June 1; Serial No. 225,314; published Mar. 23, 1926.

National Biscuit Company. (See American Biscuit and Manufacturing Co., assignor.)

National Screw & Manufacturing Company, The. (See Jandus Electric Co., assignor.)

Nestle Lanoil Co. Ltd., New York, N. Y. Preparations adapted and intended for use in waving or curling hair. 213,766; June 1; Serial No. 227,245; published Mar. 23, 1926.

Neupakaer Baumwollspinnerei & Weberei Gottlieb Schnabel, Nova Paka, Czechoslovakia. Cotton textile fabrics. 213,543; June 1; Serial No. 216,925; published Mar. 16, 1926.

New York Merchandise Company, New York, N. Y. Shoes. 213,502; June 1; Serial No. 225,798; published Mar. 2, 1926.

Nilene Laboratories. (See Knox, James E.)

Nitrate Agencies Company, New York, N. Y. Fertilizer. 213,615; June 1; Serial No. 223,134; published Mar. 23, 1926.

Norddeutsche Wollkämmerei & Kammgarnspinnerei, Bremen, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Pharmaceutical and cosmetical products. 28,679; renewed July 28, 1926.

North Shore Mill Company Ld., Liverpool, England. Foods for cows, pigs, sheep, etc. 213,523; June 1; Serial No. 223,540; published Mar. 2, 1926.

O'Brien, Joseph J., doing business as The Safe Case Company, Springfield, Mass., and New York, N. Y. Key cases and key holders. 213,784; June 1.

Old Faithful Company. (See Brownlee, Roy H.)

Orrine Company of the District of Columbia, The, assignor to Marjorie R. Rankin, doing business as Orrine Company, Washington, D. C. Medicines. 53,354; renewed May 29, 1926.

Otis Company, Ware and Three Rivers, Mass. Knitted underwear for women and children. 213,577; June 1; Serial No. 224,986; published Mar. 23, 1926.

Oxzyn Company, New York, N. Y. Powder puffs. 213,641; June 1; Serial No. 226,156; published Mar. 23, 1926.

Pacific Wire Rope Co., Los Angeles, Calif. Wire rope, cable guy strand. 213,599; June 1; Serial No. 226,074; published Mar. 23, 1926.

Palm Knitting Co., Inc., New York, N. Y. Sweaters. 213,557; June 1; Serial No. 153,771; published May 15, 1923.

Palm Knitting Co., Inc., New York, N. Y. Sweaters. 213,558; June 1; Serial No. 153,773; published May 15, 1923.

Palmer Products Company, The. (See Brown, Palmer L.)

Palmer, Solon, New York, N. Y. Perfume and face powder. 213,713; June 1; Serial No. 226,508; published Mar. 16, 1926.

Paragon Laboratories, Inc., Newark, N. J. Hair colorings, tints, and dyes. 213,695; June 1; Serial No. 224,526; published Mar. 16, 1926.

Parfumerie Gelle Frères. (See Lecaron Fils.)

Park Bros. Inc., Portland, Oreg., assignor to Barnadace Refining Company, Tulsa, Okla. Axle and cup grease, lubricating oils, etc. 213,672; June 1; Serial No. 185,906; published Oct. 14, 1924.

Peet Brothers Company, Kansas City, Kans. Radiator glycerin. 213,734; June 1; Serial No. 224,421; published Mar. 16, 1926.

Peggy Ann Dress Co., The, Cincinnati, Ohio. Ladies' and misses' cotton wash dresses. 213,678; June 1; Serial No. 206,684; published Mar. 17, 1925.

Pelleray, Leon. (See Boisseau, Emile.)

Penn Vinegar Company, Pittsburgh, Pa. Jelly, fruit preserves, mustard, cider vinegar, etc. 213,545; June 1; Serial No. 217,359; published Mar. 16, 1926.

Perfection Cook-Ware Corp., Chicago, Ill. Double boilers, teakettles, waffle molds, etc. 213,794; June 1.

Perkins, Stuart, North Kansas City, Mo. Insecticide spray. 213,726; June 1; Serial No. 221,564; published Mar. 23, 1926.

Perky, Scott H., Batavia, N. Y. Door stops. 213,630; June 1; Serial No. 225,966; published Mar. 23, 1926.

Perolin Company of America, The, Chicago, Ill. Flue cleaners. 213,621; June 1; Serial No. 224,619; published Mar. 23, 1926.

Peterson, Carl J., doing business as Carillon Parfumerie, San Francisco, Calif. Perfumes, toilet waters, face powders, etc. 213,736; June 1; Serial No. 222,995; published Mar. 23, 1926.

Pfeiffer, Albert J., Inc., New York, N. Y. Silk yarns and yarns of silk and rayon mixture. 213,660; June 1; Serial No. 225,801; published Mar. 16, 1926.

Philman Coat Co., New York, N. Y. Outer coats. 213,680; June 1; Serial No. 227,085; published Mar. 23, 1926.

Piccadilly Ink Company, Baltimore, Md. Cleaning compound for typewriter type and all other metal type. 213,778; June 1.

Pickering, W. R., Lumber Company, Pickering, La., and Kansas City, Mo. Lumber. 213,792; June 1.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils and greases. 213,536; June 1; Serial No. 216,637; published Sept. 15, 1925.

Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 213,656; June 1; Serial No. 207,031; published Feb. 16, 1926.

Pioneer Instrument Company, Brooklyn, N. Y. Aircraft speed and distance indicators, electric compasses, telemetric apparatus, etc. 213,616; June 1; Serial No. 223,599; published Mar. 23, 1926.

Pittsburgh Plate Glass Company, Rennous-Kleinle Division, Baltimore, Md. Artists' calcimine, counter dusters, fitch, etc. 213,638; June 1; Serial No. 225,969; published Mar. 23, 1926.

Pomaret, Dr. M., Paris, France. Pharmaceutical product adapted for the treatment of syphilis. 213,702; June 1; Serial No. 225,522; published Mar. 16, 1926.

Pontiac Oil Company, The, Cleveland, Ohio. Gasoline. 213,675; June 1; Serial No. 204,628; published June 2, 1925.

Potts, Horace T., & Co., Philadelphia, Pa. Bar steel. 213,631; June 1; Serial No. 225,973; published Mar. 23, 1926.

Protexu Products Company, The. (See Cornish, Guy S.)

Putnam, Robert E., New Iberia, La. Rice. 213,518; June 1; Serial No. 220,866; published Mar. 16, 1926.

Quaker Oil Products Corporation, Conshohocken, Pa. Lubricating oils and greases. 213,548; June 1; Serial No. 220,138; published Nov. 10, 1925.

Rankin, Marjorie R. (See Orrine Company of the District of Columbia, assignor.)

Raquel, Incorporated, New York, N. Y. Perfumes, toilet water, toilet powders, face creams, etc. 213,775; June 1.

Red Owl Stores, Incorporated, Minneapolis, Minn. Rubber gaskets for fruit jars and cans. 213,607; June 1; Serial No. 220,804; published Mar. 23, 1926.

Reed Manufacturing Co., Newark, N. Y. Washboilers and washtubs. 213,580; June 1; Serial No. 225,280; published Mar. 23, 1926.

Reisch Brewing Company, Springfield, Ill. Beer. 213,575; June 1; Serial No. 224,881; published Mar. 23, 1926.

Reiss-Premier Pipe Co., New York, N. Y. Pipes. 213,598; June 1; Serial No. 225,318; published Mar. 23, 1926.

Renfrow, Ivan M., Denver, Colo. Wax for use in taking impressions in conjunction with the making of artificial teeth. 213,796; June 1.

Rex Research Corporation. (See Toledo Rex Spray Company, The, assignor.)

Ride-Em Patch Co., Newark, N. J. Tire patches. 213,635; June 1; Serial No. 226,303; published Mar. 9, 1926.

Ridenour-Bayley Drug Co., Inc., The, Lima, Ohio. Preparation for the treatment of sciatica, colds, la grippe, etc. 213,733; June 1; Serial No. 224,294; published Mar. 16, 1926.

Rieger, Ernest A., New York, N. Y. Silk piece goods. 213,498; June 1; Serial No. 226,211; published Mar. 16, 1926.

Ringer Products Co., New York, N. Y. Toothache treatment. 213,692; June 1; Serial No. 226,979; published Mar. 16, 1926.

Robertson Bleachery & Dye Works, Inc., The, New Milford, Conn. Artificial-silk striped broadcloth in the piece and colored-yarn broadcloth in the piece. 213,602; June 1; Serial No. 226,304; published Mar. 23, 1926.

Robitshek-Robbins Co., Minneapolis, Minn. Fur coats. 213,541; June 1; Serial No. 222,944; published Mar. 16, 1926.

Roundup Grocery Company, Spokane, Wash. Canned salmon. 213,493; June 1; Serial No. 226,689; published Mar. 16, 1926.

Rowell, W. P., & Son Inc., Worcester, Mass. Men's dress shirts. 213,494; June 1; Serial No. 226,868; published Mar. 16, 1926.

Ryan, John M., doing business as Ryan-Metallic Ribbon Packing Co., Chicago, Ill. Metallic machinery packing for packing the joints about packing rods in valve glands, etc. 213,553; June 1; Serial No. 219,914; published Mar. 23, 1926.

Safe Case Company, The. (See O'Brien, Joseph J.)

St. Louis Independent Packing Company, doing business as Missouri Butterine Co., St. Louis, Mo. Oleomargarine. 213,633; June 1; Serial No. 226,171; published Mar. 23, 1926.

St. Louis Independent Packing Company, doing business as Missouri Butterine Co., St. Louis, Mo. Oleomargarine. 213,725; June 1; Serial No. 226,171; published Mar. 23, 1926.

Salem Glass Works, Salem, N. J. Glass bottles. 213,591–2; June 1; Serial Nos. 215,116–17; published Aug. 11, 1925.

Sands Manufacturing Company, The, Cleveland, Ohio. Valves, relief valves, fittings for fluid-containing tanks, etc. 213,771; June 1; Serial No. 224,728; published Mar. 9, 1926.

Santiago Lopez Barredo S. A., Santander, Spain. Preserved fish and canned vegetables. 213,671; June 1; Serial No. 191,660; published Feb. 2, 1926.

Saunders, Clarence, Corporation, Memphis, Tenn. Bread. 213,751; June 1; Serial No. 225,943; published Mar. 23, 1926.

Schmidt, Mary P., Indianapolis, Ind. Healing ointment. 213,730; June 1; Serial No. 224,055; published Feb. 23, 1926.

Schmidt, Max, doing business as Peter Ludwig Schmidt, Elberfeld, Germany. Auger bits, augers, axes, awls, etc. 213,609; June 1; Serial No. 221,336; published Mar. 23, 1926.

Scholl Manufacturing Company, Inc., Chicago, Ill. Boots and shoes and slippers. 213,676; June 1; Serial No. 206,086; published Mar. 9, 1926.

Schwencke's Laboratories, Brooklyn, N. Y. Cough mixtures. 213,746; June 1; Serial No. 226,743; published Mar. 16, 1926.

Scovill Manufacturing Company, Waterbury, Conn. Lamp burners. 28,884; renewed Sept. 15, 1926.

Sehon, Stevenson & Co., Huntington, W. Va. Canned fruits, vegetables, food-flavoring extracts, etc. 213,731; June 1; Serial No. 224,057; published Mar. 16, 1926.

Self Service Millinery Stores, Inc., Woodhaven, N. Y. Ladies' hats. 213,542; June 1; Serial No. 223,259; published Mar. 16, 1926.

Sena, Gabriel P., Gary, Ind. Table game played with pieces. 213,581; June 1; Serial No. 225,288; published Mar. 23, 1926.

Siegel, Rothschild & Co., Baltimore, Md. Waterproof umbrellas. 213,681; June 1; Serial No. 227,088; published Mar. 23, 1926.

Silph Medical Company. (See Brown, Frances.)

Sloane-Forsberg Oil Company, Oklahoma City, Okla. Gasoline. 213,666; June 1; Serial No. 211,873; published Mar. 23, 1926.

Smaltz, Hugh M., Marion, Ind. Fabric gloves and combination fabric and leather gloves. 213,503; June 1; Serial No. 225,683; published Mar. 2, 1926.

Smith Remedy Co. (See Casmith Remedy Company.)

Spradlin Rug Company, Inc., Los Angeles, Calif. Insecticide. 213,782; June 1.

Squeez-Ezy Mop Co., Inc., New Orleans, La. Mops. 213,774; June 1.

Standard Medical Co., Lansford, Pa. Insecticide. 213,740; June 1; Serial No. 226,834; published Mar. 16, 1926.

Starr Transmission Corporation, Los Angeles, Calif. Automobile transmission mechanism. 213,610; June 1; Serial No. 221,339; published Mar. 23, 1926.

Stelos Company, Inc., The, Washington, D. C. Needles for repair work (by hand). 213,639; June 1; Serial No. 226,028; published Mar. 16, 1926.

Stewart Paint Mfg. Co., Minneapolis, Minn. Paint. 213,783; June 1.

Stover Manufacturing & Engine Co., Freeport, Ill. Mops and handles therefor. 213,642; June 1; Serial No. 226,214; published Mar. 23, 1926.

Straus, Nathan, & Sons, Inc., New York, N. Y. Chinaware. 213,667; June 1; Serial No. 213,864; published Mar. 16, 1926.

Strauss, Joseph, Company, Inc., Buffalo, N. Y. Battery hydrometers. 213,628; June 1; Serial No. 225,895; published Mar. 23, 1926.

Streett, J. D., & Company, St. Louis, Mo. Cylinder oil and valve oil. 213,652; June 1; Serial No. 226,985; published Mar. 23, 1926.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Pants, overalls, apron overalls, and jackets. 213,496; June 1; Serial No. 226,607; published Mar. 16, 1926.

Swift and Company, Chicago, Ill. Oleomargarine. 213,597; June 1; Serial No. 224,995; published Feb. 16, 1926.

T. & A. Sales & Mfg. Co., Inc., Kingston, N. Y. Confection prepared from sugar, butter, nuts, etc., forming a paste for use as a spread. 213,517; June 1; Serial No. 221,788; published Mar. 23, 1926.

Taylor, Thos. P., Co., The, Bridgeport, Conn. Corset waists, pyjamas, rompers, blouses, etc. 213,585; June 1; Serial No. 225,453; published Mar. 16, 1926.

Temple Garden Tea Company, Atlanta, Ga. Insecticide. 213,743; June 1; Serial No. 226,697; published Mar. 16, 1926.

Tex-A-Tone Chemical Company, Texarkana, Tex. Medicines for use in kidney and bladder ailments. 213,697; June 1; Serial No. 224,997; published Mar. 16, 1926.

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Gasoline, kerosene, naphtha, etc. 213,589; June 1; Serial No. 225,626; published Mar. 23, 1926.

Toledo Rex Spray Company, assignor to Rex Research Corporation, Toledo, Ohio. Rodent exterminator. 213,661; June 1; Serial No. 226,988; published Mar. 16, 1926.

Toledo Rex Spray Company, The, assignor to Rex Research Corporation, Toledo, Ohio. Rodent exterminator. 213,664; June 1; Serial No. 226,987; published Mar. 16, 1926.

Tritch, George, Hardware Company, The, Denver, Colo. Trout flies and leaders. 213,574; June 1; Serial No. 224,757; published Mar. 23, 1926.

Tritch, George, Hardware Company, The, Denver, Colo. Tin plate and solder. 213,623; June 1; Serial No. 224,756; published Mar. 23, 1926.

Uca-Form Sales Company. (See Miller, Julius.)

United States Stores Corporation, Orange, N. J. Canned cherries and peaches. 213,533; June 1; Serial No. 216,305; published Mar. 23, 1926.

Valentin Blatz Brewing Company, Milwaukee, Wis. Malt sirup for food purposes. 213,538; June 1; Serial No. 223,423; published Mar. 16, 1926.

Van Houten, C. J., & Zoon, to C. J. Van Houten and Zoon, Weesp, Netherlands, successor. Cocoa. 50,864; renewed Apr. 3, 1926.
Vasco Products Incorporated, Washington, D. C. Toilet preparation. 213,735; June 1; Serial No. 224,437; published Mar. 16, 1926.
Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, Germany, assignee to The Chemical Foundation, Incorporated, Wilmington, Del. and New York, N. Y. Medicine for Graves' disease. 53527; renewed June 5, 1926.
Verona Tool Works, Pittsburgh, Pa. Tools. 28,858; renewed Sept. 1, 1926.
Walker, Cyrus M., Kansas City, Mo. Men's textile-fabric union-suit underwear. 213,499; June 1; Serial No. 226,179; published Mar. 16, 1926.
Walker, Dalley J., doing business as Walker Remedy Company, Waterloo, Iowa. Foot powder for human use. 213,767; June 1; Serial No. 227,283; published Mar. 23, 1926.
Walker, Dalley J., doing business as Walker Remedy Company, Waterloo, Iowa. Tonic for poultry to encourage egg production. 213,768; June 1; Serial No. 227,284; published Mar. 23, 1926.
Walker, Dalley J., doing business as Walker Remedy Company, Waterloo, Iowa. Lice powder. 213,769; June 1; Serial No. 227,285; published Mar. 23, 1926.
Wardrop Co., Inc., The, New York, N. Y. Bread. 213,565; June 1; Serial No. 208,934; published Mar. 23, 1926.
Wardrop Co., Inc., The, New York, N. Y. Bread. 213,566; June 1; Serial No. 208,936; published Mar. 23, 1926.
Wardrop Co., Inc., The, New York, N. Y. Bread. 213,567; June 1; Serial No. 208,939; published Mar. 23, 1926.
Warner Hardware Specialty Co., Kansas City, Mo. Screen hanger sets. 213,722; June 1; Serial No. 226,180; published Mar. 23, 1926.
Washington Belle Toilet Co. (See Casmith Remedy Company.)
Waterman, Harry S., Los Angeles, Calif. Expanding mandrels and reamers. 213,552; June 1; Serial No. 209,071; published Mar. 23, 1926.
White Cross Salve Co. (See Mangel, James.)
White Mule, Inc., Carbondale, Ill. Liquid stop leak, dry stop leak, a compound for automobile radiators. 213,765; June 1; Serial No. 227,208; published Mar. 23, 1926.
Whiting, John L.-J. J. Adams Company, Boston, Mass. Brushes. 213,645; June 1; Serial No. 226,394; published Mar. 23, 1926.
Whiting, John L.-J. J. Adams Company, Boston, Mass. Brushes. 213,646–8; June 1; Serial Nos. 226,397–9; published Mar. 23, 1926.
Whiting, John L.-J. J. Adams Company, Boston, Mass. Brushes. 213,649; June 1; Serial No. 226,406; published Mar. 23, 1926.
Wiedeke, Gustav, Co., Dayton, Ohio. Tube and flue expanders, cutters, and beading tools. 213,531; June 1; Serial No. 209,013; published Mar. 16, 1926.
Wiedeke, Gustav, Co., Dayton, Ohio. Tube and flue expanders, tube and flue cutters, etc. 213,568; June 1; Serial No. 216,245; published Mar. 23, 1926.
Wilson Coffee Co., Fort Smith, Ark. Coffee. 213,506; June 1; Serial No. 226,704; published Mar. 16, 1926.
Winter, Alexander, and Sons, Bath Pistany, Czechoslovakia. Mineral medical products employed in the treatment of gout, rheumatism, lumbago, etc. 213,720–1; June 1; Serial Nos. 215,287–8; published Mar. 16, 1926.
Wurm, Jacob S., New York, N. Y. Remedy for diarrhea and colic. 213,763; June 1; Serial No. 226,991; published Mar. 23, 1926.
Wyckoff Knitting Company, The, Perry, N. Y. Underwear of balbriggan, nainsook, and rayon. 213,683; June 1; Serial No. 227,151; published Mar. 23, 1926.
Young, Joseph A., doing business as Daisy Products Company, Bellevue, Pa. Oil composition. 213,583; June 1; Serial No. 225,336; published Mar. 23, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Armand Company, The, Des Moines, Iowa. Beauty Test Packet. For Assorted Cosmetics. 30,386; June 1.
Baker, W. H., Inc., Red Hook, N. Y. Vanilla Sweet Chocolate. For Chocolate. 30,387; June 1.
Baker, W. H., Inc., Red Hook, N. Y. Best Sweet Chocolate. For Chocolate. 30,388; June 1.
Baker, W. H., Inc., Red Hook, N. Y. W. H. Baker Best Cocoa. For Cocoa. 30,389; June 1.
Baker, W. H., Inc., Red Hook, N. Y. Old Virginia Sweet Milk Chocolate. For Sweet Milk Chocolate. 30,390; June 1.
Baker, W. H., Inc., Red Hook, N. Y. Old Virginia Vanilla Sweet Chocolate. For Chocolate. 30,391; June 1.
Baker, W. H., Inc., Red Hook, N. Y. Premium Chocolate No. 1. For Chocolate. 30,392; June 1.
Brodis, James W. W., and Edward L. Brodis, Melrose, Mass. Campaign Cigar Vote For. For Cigars. 30,393; June 1.
Cassine Products Co. (See Hoye, Stephen M.)
City Baking Company, The, Baltimore, Md. Rice's Split-Top Bread. For Bread. 30,394; June 1.
Duffy, F. S., Medicine Co., New Bern, N. C. F. S. Duffy's Cough-Lasses For Coughs, Colds, and Hoarseness. For a Medicinal Preparation. 30,395; June 1.
Eastern & Russian Trading Co., Ltd., The, London, England. Santoninum. For Drugs and Chemicals. 30,396; June 1.
Ex-O-Derm Co. (See Ishler, Shelby O.)
Finlin Novelty Shoes, Boston, Mass. Finlin Novelty Shoes. For Shoes. 30,397; June 1.
Fiske, George F., doing business as Prophylacto Manufacturing Company, Chicago, Ill. Our Druggists Dozen. For Penco, a Medicinal Preparation. 30,398; June 1.
Fleischl, Emile, & Son. (See Menasha Printing and Carton Company, assignor.)
Frisch, Emile, Chicago, Ill. Frisch Process. For Bread. 30,399; June 1.
Haas, George, & Sons, San Francisco, Calif. Happy Land Candies. For Candy. 30,400; June 1.
Harper & Kirschten Shoe Co., The, Chicago, Ill. Jane Monroe. For Shoes. 30,401; June 1.
Hoye, Stephen M., doing business as Cassine Products Co., Brooklyn, N. Y. Cassine Champagne. For Champagne. 30,402; June 1.
Ishler, Shelby O., doing business as Ex-O-Derm Co., Chickasha, Okla. Ex-O-Derm. For a Medical Preparation. 30,403; June 1.
Jackson Brewing Company, New Orleans, La. Nourishing Jax Malt. For Malt Tonic. 30,404; June 1.
Jackson Brewing Company, New Orleans, La. Jackson Orange. For an Orange Flavored Soft Drink. 30,405; June 1.
McCaffrey, Charles G., doing business as Old Munich Sales Company, Pittsburgh, Pa. Old Munich. For Malt Sirup. 30,406; June 1
Menasha Printing and Carton Company, assignor to Emil Fleischl & Son, New York, N. Y., and Menasha, Wis. Glendale Farm Eggs. For Eggs. 30,407; June 1.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Mueller Baking Co., Bowling Green, Mo. M B Bread. For Bread. 30,408; June 1.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Red Circle Bitter Sweets. For Candy. 30,409; June 1.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Princess Chocolate Coated Pineapple. For Candy. 30,410; June 1.
Mueller Baking Co., The. (See Menasha Printing and Carton Company, assignor.)
Niagara Macaroni Manufacturing Company, Inc., Buffalo, N. Y. Niagara Macaroni. For Macaroni. 30,411; June 1.
Niagara Macaroni Manufacturing Company, Inc., Buffalo, N. Y. Sunrise Macaroni. For Macaroni. 30,412; June 1.
Nulyne Mfg. Co. (See Thomas, Anton.)
Old Munich Sales Company. (See McCaffrey, Charles G.)
Polk Miller Products Corporation, Richmond, Va. Sergeant's Shampoo Soap For Scalp and Hair. For Shampoo Soap. 30,413; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Disinfectant. For Disinfectant for Dogs and General Household Use. 30,414; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Skip Flea Powder. For Powder for Fleas, Lice, and Certain Other Vermin on Dogs and Cats. 30,415; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Mange Medicine. For Medicine for Treating Maladies of the Hair and Scalp of Human Beings and Also for Treating Mange, Etc., on Dogs and Other Animals. 30,416; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Cough Medicine. For Medicine for Coughs, Colds, and Bronchial Troubles. 30,417; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Canker Wash. For a Wash for Treating Internal and External Canker of the Ear on Dogs. 30,418; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Eye Wash. For a Wash for Treating Granulated Lids, Bloodshot Eyes, Irritations, and Bruises. 30,419; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Distemper Medicine. For Medicine for Distemper. 30,420; June 1.

Polk Miller Products Corporation, Richmond, Va. Sergeant's Mouth. For a Liquid Preparation for Treating Sore Mouth, Etc., in Dogs. 30,421; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Dog Rub. For a Rubbing Oil for Sprains, Lameness, Stiff Joints, Strains, Sore Muscles, and Rheumatism. 30,422; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Run-Fit Medicine. For Medicine for Dogs. 30,423; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Sure Shot. For a Liquid Preparation for Treatment of Worms in Small Dogs and Pups. 30,424; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Skip-Flea Soap. For a Soap for the Human Scalp and Also for Killing Vermin on Dogs. 30,425; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Carbolic Tar Soap. For an All-Purpose Soap That Refreshes and Cleanses. 30,426; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Diarrhoea Medicine. For Medicine for Dogs. 30,427; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Tape Worm Medicine. For Medicine for Dogs. 30,428; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Condition Pills. For Pills for Dogs. 30,429; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Arsenic and Iron Pills. For Pills for Dogs. 30,430; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Pepsin Tablets. For Tablets for Dogs. 30,431; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Sure Shot Capsules. For Capsules for Dogs. 30,432; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Constipation Capsules. For Capsules for Dogs. 30,433; June 1.
Polk Miller Products Corporation, Richmond, Va. Sergeant's Rheumatic Pills. For Rheumatic Pills for Dogs. 30,434; June 1.
Prophylacto Manufacturing Company. (See Fiske, George F.)
Rusconi, Louis, Fresno, Calif. Rusconi Special Grapes. For Grapes. 30,435; June 1.
Sorver, McEvoy & Co., Philadelphia, Pa. Quality Inn. For Cocoa. 30,436; June 1.
Sorver, McEvoy & Co., Philadelphia, Pa. Quality Inn. For Tea. 30,437; June 1.
Stocking, George E., doing business as George E. Stocking Canning Factory, Rochelle, Ill. Stocking's Brand. For Canned Asparagus. 30,438; June 1.
Stover Manufacturing & Engine Co., Freeport, Ill. Red Head. For Mopsticks. 30,439; June 1.
Thomas, Anton, doing business as Nulyne Mfg. Co., St. Louis, Mo. 36 Obeatold Capsules. For Capsules for the Treatment of Obesity. 30,440; June 1.
Thompson, Edward B., Spokane, Wash. Thompson's Kidney and Bladder Pills. For Kidney and Bladder Pills. 30,441; June 1.
Young, Chas. W., & Co., Philadelphia, Pa. Porit. For Fluid Soap. 30,442; June 1.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. The Boys of Today Are The Men of Tomorrow. For Wheat Breakfast Food. 8,857; June 1.
Cream of Wheat Co., Minneapolis, Minn. Every Patient Can Eat It—As Gruel, Cereal, or in Simple Delicious Desserts. For Wheat Breakfast Food. 8,858; June 1.
Cream of Wheat Co., Minneapolis, Minn. School and Spring. For Wheat Breakfast Food. 8,859; June 1.
Cream of Wheat Co., Minneapolis, Minn. Do This in April and May. For Wheat Breakfast Food. 8,860; June 1.
Deutsch Bros., New York, N. Y. Get Up Early To-Morrow Save! For Furniture. 8,861; June 1.
Driscoll, Louis A., doing business as L. A. Driscoll Coal Company, Lansing, Mich. Omar coal. For Coal. 8,862; June 1.
Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Flexyde Baseballs — Official Standard — Waterproof Cover—Cork and Rubber Center. For Baseballs Composed Wholly or in Part of Rubber. 8,863; June 1.
Jamestown Upholstery Co., Inc., Jamestown, N. Y. The Happy Home Suite. For Upholstered Furniture. 8,864; June 1.
McClintock, O. B., Company, Minneapolis, Minn. Sound Wave. For Bank-Vault Protection Systems. 8,865; June 1.
Meyer, Louis, Co., Brooklyn, N. Y. L. M. Meyer's—For Good Eating. For Meat Products. 8,866; June 1.
Summerour & Son, Vernon, Tex. Western Wonder. For Cottonseed. 8,867; June 1.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adelman, Harry, doing business as Clocker N. Rogers Turf Weekly Publishing Co., New York, N. Y. Periodical. 228,349; June 1.
Alexander Industries, Inc., Englewood, Colo. Airplanes, airplane fuselages, airplane wings, etc. 227,622; June 1.
Alpina Kaese A. G. (Alpina Cheese Co.), Burgdorf, Switzerland. Cheese and preserve cheese. 222,975; June 1.
Al-Pine Salve Company. (See Houchen, Wallace D.)
American Envelope & Printing Company, Philadelphia, Pa. Wedding invitations and announcements, at-home cards, business announcements, reception cards, etc. 218,943; June 1.
American Iron & Machine Works, Inc., Garber and Tonkawa, Okla. Releasing and circulating oversbots for well-drilling apparatus, rock-bit wrenches, etc. 228,791; June 1.
Anderson, George W., doing business as Billy's Grape Nectar Company, Enid, Okla. Jellies and ice cream. 225,003; June 1.
Anderson, John R., doing business as Anderson Pattern Works, Moline, Ill. Exercising machines. 210,263; June 1.
Anderson Pattern Works. (See Anderson, John R.)
Arlington Paint and Varnish Co., Canton, Ohio. Ready-mixed paints. 229,719; June 1.
Armstrong Cork Company, Lancaster, Pa. Linoleum and felt-base products. 229,656; June 1
Armstrong Packing Company, Dallas, Tex. Cottonseed-oil shortening. 229,610; June 1.
Atlantic Canning Co., Atlantic, Iowa. Canned vegetables. 228,682; June 1.
Ballard, Thomas J., Lawrenceburg, Ky. Medicinal lotion for sunburn, tan, freckles, and chapped hands, lips, and roughness of the skin. 230,377; June 1.
Baxter, H. C., & Brother, Brunswick, Me. Canned vegetables. 225,500; June 1.
Bayer Company, Inc., The, New York, N. Y. Antiarthriticum. 225,216; June 1.
Beacon Oil Company, Boston, Mass. Lubricating oils and automobile lubricants. 230,610; June 1.
Beard Laboratories, Inc., Fort Smith, Ark. Compound for treating diarrhea, etc. 225,759; June 1.
Beer, Nathan, doing business as Nab Mfg. Co., New York, N. Y. Foot creams. 229,611; June 1.
Beggs, C. W., Sons & Co., Chicago, Ill. Brilliantine, cold cream, face powder, and hair gloss. 228,733; June 1.
Berliner, Edwin E., & Co., New York, N. Y. Cotton dress goods in the piece. 201,876; June 1.
Best & Co., Inc., New York, N. Y. Weighing scales. 227,292; June 1.
Bill Weeder Co. (See Rhoads, Harry.)
Billy's Grape Nectar Company. (See Anderson, George W.)
Blue Hill Candy Co., St. Louis, Mo. Candies. 229,895; June 1.
Bonaci, Inc., Long Island City, N. Y. Candies. 229,537; June 1.
Bouck, Harold W., Chicago, Ill. Steam and hot-water radiator vent valves. 226,800; June 1.
Bowersock Mills & Power Co., doing business as The Jenny Wren Company, Lawrence, Kans. Wheat flour. 229,776; June 1.
Breaker, W. D., Company, Incorporated, New York, N. Y. Canned crab meat. 228,171; June 1.
Bridges, John S., doing business as John S. Bridges & Co., Baltimore, Md. Printed mailing envelopes, letterheads, billheads, etc. 227,771; June 1.
Brooks, Wm., jr., Varner, Ark. Sarsaparilla compound, iodide potassium, female tonic, etc. 229,847; June 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Brust Bros. Inc., Brooklyn, N. Y. Metal polish. 226,536; June 1.
Buettner, Robert W., Winnipeg, Manitoba, Canada. Furniture and piano polish and automobile polish. 225,169; June 1.
Burnes, Gertrude A., doing business as Union Cosmetic Co., Portland, Oreg. Hair tonic, deodorants, and face lotion. 228,525; June 1.
Cadick Milling Company, Grandview, Ind. Wheat flour. 229,616; June 1.
California Cedar Products Company, Stockton, Calif. Plaster wall board and plaster lath. 229,493; June 1.
Capitol Brass Works, Detroit, Mich. Radiator valves, hot-water valves, steam valves, etc. 229,089; June 1.
Capon Springs Company, Capon Springs, W. Va. Mineral water. 228,800; June 1.
Cardillo, Joseph J., Providence, R. I. Remedy to promote the growth of hair. 217,392; June 1.
Carolina Baking Company, Charlotte, N. C. Bread. 218,794; June 1.
Cash, Laurence E., doing business as New York Drug Concern, New York, N. Y. Compounds for treating coughs and colds. 228,355; June 1.
Central States Coal Company, The, Toledo, Ohio. Coal. 213,362; June 1.
Century National Chemical Company, The, Paterson, N. J., and New York, N. Y. Soaps. 229,664; June 1.
Chase Candy Company, St. Joseph, Mo. Candy. 225,996; June 1.
Chilton Class Journal Company, Philadelphia, Pa. Weekly trade publication. 229,323; June 1.
Clayton Oil & Refining Company, Dallas, Tex. Gasoline. 213,161; June 1.
Colbert Limerock Asphalt Company, Sheffield, Ala. Paving material. 229,376; June 1.
Coleman Lamp Company, The, Wichita, Kans. Stoves. 229,433; June 1.
Colfix, Limited, Glasgow, Scotland. Manufactures from bitumen for use in making of road surfaces. 228,460; June 1.
Cormier, Maxzile, Cromley, La. Medical compound. 227,298; June 1.
Costelow, Assnary F., Guthrie, Okla. Liniment. 226,476; June 1.
Coykendall, Inc., Berkeley, Calif. Dried fruits. 225,506; June 1.
Cromer & Cassel, Miami, Fla. Dresses, coats, suits, sweaters, capes, etc. 229,436; June 1.
Daniels Manufacturing Company, Rhinelander, Wis. Paper. 208,845; June 1.
Darmstadter, Maurice, Chicago, Ill. Candy bars. 230,021; June 1.
Davega, Inc., New York, N. Y. Golf clubs and balls. 228,361; June 1.
Davies-Young Soap Co., The, Dayton, Ohio. Soap. 230,090; June 1.
Deltox Rug Company, Oshkosh, Wis. Grass rugs. 213,280; June 1.
Denver Pharmaceutical Mfg. Co., Inc., The, Long Island City, N. Y. Medicines. 227,722; June 1.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Ampuls used for injection against frambœsia, chagas, scrofula, etc., and as a disinfectant. 206,609–10; June 1.
Diederichs, Carl A., East Liberty, Pittsburgh, Pa. Jumping toy. 227,115; June 1.
Ditter, Johann H., Hanau, Germany. Substance for rendering mortar and mortar-forming materials waterproof. 224,812; June 1.
Dory, P. G., doing business as Watertown Carbonating Co., Watertown, S. Dak. Noncereal maltless beverages. 229,620; June 1.
Douglas, Charles D., London, England. Insect-repelling preparations. 225,825; June 1.
Doulton & Co. Limited, Lambeth, London, England. Pottery, earthenware, and china. 220,766; June 1.
Dow, Louis F., Company, St. Paul, Minn. Automatic pencils. 187,609; June 1.
Du Val Moore & Co., San Francisco, Calif. Kerosene, gasoline, lubricating oil. 230,562; June 1.
Ego Tile Company, Detroit, Mich. Tiles. 228,648; June 1.
Elmer Candy Company, Inc., New Orleans, La. Cough drops. 229,783; June 1.
Eureka Flavor Co. (See Polefsky, Jacob S.)
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 228,982; June 1.
Film Booking Offices of America, Inc., New York, N. Y. Motion-picture films. 228,534; June 1.
Filtrol Company, Los Angeles, Calif. Decolorizing and purifying mineral. 226,718; June 1.
Finco Pharmacal Company. (See Finkelstein, Herman.)
Finkelstein, Herman, doing business as The Finco Pharmacal Company, Philadelphia, Pa. Cough sirup. 225,653; June 1.
Fisher, Wm. C., New York, N. Y. Directories. 229,028–9; June 1.
Fort Smith Cereal Co., Fort Smith, Ark. Pancake flour. 216,385; June 1.
Foster, Gold W., doing business as No-Krode Manufacturing Company, Seattle, Wash. Preparation to be applied to the terminal of storage batteries to prevent corrosion. 229,508; June 1.
Frances Negligees Corporation, New York, N. Y. Ladies' handmade knitted and textile underwear. 228,181; June 1.
Frank, William, doing business as Jefferson Flour & Feed Mill, Jefferson, Wis. Poultry feed. 229,731; June 1.
Frederics, E., Inc., New York, N. Y. Steam pads used in connection with permanent waving of human hair. 229,174; June 1.
Frost Kist Ice Cream Co., Los Angeles, Calif. Ice creams and ice-cream confection. 218,962; June 1.
Funston, E. B., San Francisco, Calif. Preparation for treating irritations of the skin. 230,170; June 1.
Galvanoni & Febbraro Co. Inc., New York, N. Y. Cheese. 209,840; June 1.
Garlette Products Co., The. (See Hollingsworth, Laura W.)
Geisert, Thaddeus R., doing business as T. R. Geisert and Company, Lawrenceburg, Ind. Rubbing alcohol. 229,104; June 1.
General Motors Corporation, Detroit, Mich. Automobiles. 201,133; June 1.
Glandvim Laboratories, Inc., The, Brooklyn, N. Y. Medicinal preparation for internal use as a tonic. 229,105; June 1.
Golden Rule, Inc., The, Columbus, Ohio. Wool blankets. 229,332; June 1.
Goldstein-Kirshner Co., New York, N. Y. Pyjamas and nightgowns. 229,229; June 1.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Blow-out patches for vehicles tires. 209,400; June 1.
Gosselin, Gideon F., & Sons, St. Paul, Minn. Moccasins. 228,314; June 1.
Grasselli Chemical Company, The, Cleveland, Ohio. Silicate of soda. 230,393; June 1.
Great Northern Fur Dyeing and Dressing Corporation, The, New York, N. Y. Fur pelts and skins. 229,282; June 1.
Greeley Square Hotel Company, New York, N. Y. Smokers' articles. 225,418; June 1.
Greist Manufacturing Co., The, New Haven, Conn. Lamp shades. 227,835; June 1.
Grossman Drug Company, The, Cleveland Heights and Cleveland, Ohio. Constructive tonic medicine. 230,394; June 1.
Gudis, Oscar, New York, N. Y. Russian white mineral oil, cold and grippe tablets, tooth paste, etc. 226,483; June 1.
Guerlain Perfumery Corporation of New York, New York, N. Y. Perfumes. 230,237; June 1.
Gulf & West Indies Co., Inc., The, New York, N. Y. Sponges. 223,230; June 1.
Haram, S. A., & Co., Inc., New York, N. Y. Bread. 217,771; June 1.
Hartmann Food Product Co., Inc., The, New York, N. Y. Imitation macaroon. 211,167; June 1.
Haskell Silk Co., The, Westbrook, Me. Silk and rayon mixed goods in the piece. 226,588; June 1.
Hauser Packing Company, Los Angeles, Calif. Pure leaf lard, ham, and bacon. 200,257; June 1.
Hauser & Sobotka A. G., Vienna, Austria. Malt beverages, extracts, and sirups. 228,189; June 1.
Hempel, Horst H., New York, N. Y. Face creams. 230,032; June 1.
Hercules Powder Company, Wilmington, Del. High-boiling solvent for gums and cellulose esters. 229,386; June 1.
Hercules Powder Company, Wilmington, Del. Nitrocellulose. 229,387–8; June 1.
Highway Co., The. (See Polzin, Joseph.)
Hillis Brothers Company, The, New York, N. Y. Walnuts, almonds, filberts, etc. 213,643; June 1.
Hills Brothers Company, The, New York, N. Y. Dates. 213,644; June 1.
Hindy, Joseph G., doing business as Hindy Laboratories, New York, N. Y. Liquid dentifrices. 229,442; June 1.
Hollingsworth, Laura W., doing business as The Garlette Products Co., Indianapolis, Ind. Liquid antiseptic, anæsthetic, astringent, and deodorant. 230,337; June 1.
Holophane Glass Company, Inc., New York, N. Y. Glass globes, reflectors, and plates. 230,484; June 1.
Houchen, Wallace D., doing business as Al-Pine Salve Company, Los Angeles, Calif. Medicinal salve. 228,904; June 1.
Howard-Severance Company, The, Chicago, Ill. Monthly magazine. 228,905; June 1.
Hubbard Products Company, Kokomo, Ind. Vehicle ventilators. 226,145; June 1.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and dried fruits. 186,478; June 1.
Hyland, Richard C., doing business as Hyland Bag Company, San Francisco, Calif. Twine. 220,780; June 1.
Indiana Truck Corporation, Marion, Ind. Automobile trucks. 229,289; June 1.
International Harvester Company, Chicago, Ill. Wagons and parts thereof. 227,519; June 1.

PUBLISHED FOR OPPOSITION.

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J. G. Farbenindustrie Aktiengesellschaft, Ludwigshafen-on-Rhine, Germany. Wetting-out agents are bodies used in a great variety of working processes. 227,832; June 1.
Jefferson Flour & Feed Mill. (See Frank, William.)
Jenny Wren Company, The. (See Bowersock Mills & Power Co.)
Johnson-Earl-Meyers Company, Pittsburgh, Pa. Canned fruits, canned apple sauce, canned vegetables, jelly, tea, etc. 217,886; June 1.
Johnson, Lilly M., Greenwich, Conn. Liquid cleaning and polishing compound. 230,398; June 1.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Paints and paint enamels. 230,794; June 1.
Jones-Dabney Company, Incorporated, Louisville, Ky. Nitrocellulose lacquer. 228,654; June 1.
Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 228,109; June 1.
Jordan, Samuel H., doing business as Mineralife, Los Angeles, Calif. Mineral laxative salts, bath crystals, liniment, etc. 228,110; June 1.
Kale, Francis W., doing business as Zylox Company, Washington, D. C. Liquid metal-polishing materials. 229,684; June 1.
Karchmer Oil Company, Springfield, Mo. Petroleum products. 230,550; June 1.
Kasper, Alfred, doing business as Quieta Werke A. Kasper, Leipzig, Germany. Coffee, coffee substitutes, coffee mixtures, tea, and cocoa. 183,575; June 1.
Kayser, Julius, & Co., New York, N. Y. Hosiery, gloves, and underwear. 229,970; June 1.
Kedmont Manufacturing Co., Chicago, Ill. Concrete hardener. 229,292; June 1.
Kendall Refining Company, The, Bradford, Pa. Refined oil, lubricating oils, gasoline, and petroleum greases. 228,820; June 1.
Kenilworth Manufacturing Co. Inc., New York, N. Y. Knickers and gymnasium, bathing, and hiking trunks. 223,847; June 1.
Kennedy, Charles L., doing business as Kennedy Brace Company, Columbia, S. C. Automobile fender braces. 225,928; June 1.
Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paint. 227,310; June 1.
Kirk, James S., & Company, Chicago, Ill. Soap. 228,546; June 1.
Krass, Michel, New York, N. Y. Paints for painting on fabrics. 229,043; June 1.
L. A. B. Co. (See Livermore, E. A.)
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Plain and self-rising flour. 227,898; June 1.
Leary, Ann G., Lowell, Mass. Toilet cream. 229,866; June 1.
Le May, Joseph P., North Providence, R. I. Salve. 229,741; June 1.
Leon, L. J., Mfg. Company, Chicago, Ill. Bird cages and bird-cage stands. 229,238; June 1.
Lisk Manuf'g Co., Limited, Canandaigua, N. Y. Culinary, household, and dairy utensils. 225,267; June 1.
Lisk, Manuf'g Co., Limited, Canandaigua, N. Y. Bedpans, urinals, basins, and irrigators. 225,268; June 1.
Livermore, E. A., doing business as L. A. B. Co., Bell, Calif. Dandruff remover and hair-falling preventive. 228,002; June 1.
Los Angeles Brush Manufacturing Corp., Los Angeles, Calif. Painters' brushes, floor brushes, clothes brushes, etc. 226,664; June 1.
Louray Company, The, Grand Rapids, Mich. Bath crystals. 221,371; June 1.
Lubasch, Samuel, New York, N. Y. Knitted goods. 229,449; June 1.
Lubk, Mal, Cleveland, Ohio. Remedy for nervousness, dizziness, and epilepsy. 230,300; June 1.
Lusterite Manufacturing Co. Inc., New York, N. Y. Automobile and furniture polish. 227,525; June 1.
Luyties Pharmacal Company, St. Louis, Mo. Tooth paste. 229,393; June 1.
Madera, Manuel, New York, N. Y. Cigars, cigarettes, cheroots, stogies, chewing and smoking tobacco. 228,550; June 1.
Maggiore, Frank S., doing business as Peerless Sales Company, Brooklyn, N. Y. Hair nets. 230,104; June 1.
Magnetic Spring Water Company. (See Tausend, Albert W.)
Mahan Products Company, Louisville, Ky. Coffee, tea, vanilla and lemon extracts, etc. 227,952; June 1.
Maison d'Or, Incorporated, New York, N. Y. Perfumes, toilet waters, face powders, and rouges. 229,868; June 1.
Markovitz Brothers, Philadelphia, Pa. Shirts and underwear. 211,281; June 1.
Mason, Ehrman & Company, Portland, Oreg. Smokers' articles. 227,659; June 1.
McCann, F. J., Packing Co., Los Angeles, Calif. Fresh grapes, citrous fruits, melons, and vegetables. 230,558; June 1.
McDonnell, James, Company, Mobile, Ala. Wheat flour. 228,052; June 1.
Mechanical Appliances Company, The, Los Angeles, Calif. Dental hand pieces. 229,186; June 1.
Merice. (See Spencer Perfume Company.)
Messing Bakeries, Incorporated. (See Messing Bread Company, Incorporated.)
Messing Bread Company, Incorporated, assignor to Messing Bakeries, Incorporated, New York, N. Y. Wholewheat bread and all other kinds of bread. 208,061; June 1.
Miller, William F., New York, N. Y. Chewing laxative. 228,860; June 1.
Mineralife. (See Jordan, Samuel H.)
Missouri Paint & Varnish Co., St. Louis, Mo. Shingle stain, barn paint, varnishes, etc. 190,646; June 1.
Monticello Dairy, Coney Island, N. Y. Butter. 216,453; June 1.
Morgan, John C., Company, Traverse City, Mich. Canned fruits. 229,352; June 1.
Morrell, John, & Co., Ottumwa, Iowa. Canned vegetables and butter. 229,445; June 1.
Morrill & Sturgeon Lumber Company, Portland, Oreg. Doors, veneers, panels, plywood, lumber, and wooden shingles. 224,984; June 1.
Mosler Lock Company, The, Covington, Ky. Locks. 230,757; June 1.
Mueller, Carl C., doing business as The Peerless Manufacturing Co., Washington, D. C. Chewing gum. 227,368; June 1.
Murphy, Walter M., Motors Company, doing business as Walter M. Murphy Company—Coach Builders, Los Angeles and Pasadena, Calif. Automobile and steamcar coaches and bodies. 222,042; June 1.
Naamlooze Vennootschap Maatschappij tot Voortzetting der Zaken van de Maatschappij "Phytobie" Internationale Maatschappij tot Verdelging van Dierlijke en Plantaardige Parasieten, The Hague, Netherlands. Insecticides and a combined hair grower and tonic, mange cure, and composition for destroying vermin on domestic animals. 225,373; June 1.
Nab Mfg. Co. (See Beer, Nathan.)
National Aniline & Chemical Company, Incorporated, New York, N. Y. Certified food colors. 230,303–4; June 1.
National Fruit Exchange. (See Strain, Thomas, jr.)
National Fruit Products Co., Dallas, Tex., and Grand Rapids, Mich. Table sirup. 229,248; June 1.
New York Drug Concern. (See Cash, Laurence E.)
New York Yacht Club, New York, N. Y. Hatbands. 225,841; June 1.
Nojiri, Nobuzo, doing business as Nojiri Fruit Co., Sacramento, Calif. Fresh tomatoes and lettuce. 229,519; June 1.
No-Krode Manufacturing Company. (See Foster, Gold W.)
Nutura Laboratories, Salt Lake City, Utah. Hair tonic. 228,478; June 1.
Ocean City Manufacturing Co., Philadelphia, Pa. Fishing reels. 226,735; June 1.
Ono, Denigoro, Los Angeles, Calif. Solution for the treatment of corns and calli. 224,925; June 1.
Organs Restorative Food Corporation, New York, N. Y. Pharmaceutical preparation. 229,876; June 1.
Original "Alex" Original. (See Tolstoi, Maurice.)
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Tonic expectorant. 228,061; June 1.
Pacific Dry Goods Co., The, San Francisco, Calif. Assorted incense. 229,698; June 1.
Pacific Tri-States Distributing Co., Portland, Oreg. Antiseptic liquid soap. 230,189; June 1.
Palmolive Company, The, Chicago, Ill. Toilet and shaving soaps. 230,349; June 1.
Paramount Fuel Oil Burner, Inc., Bayside, N. Y. Oil burners. 226,597; June 1.
Pardo, Antonio, Philadelphia, Pa. Paprika. 225,275; June 1.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 228,769; June 1.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders and perfumery. 228,771; June 1.
Parker, Frank P., Harrisburg, Ill. Liquid motor fuels, crude and refined oils for lighting, heating, and lubricating purposes. 227,679; June 1.
Peerless Manufacturing Co., The. (See Mueller, Carl C.)
Peerless Sales Company. (See Maggiore, Frank S.)
Pepsin Remedy Co., The, Spencer, Ind. Medicinal preparation. 229,700; June 1.
Perfection Heater and Manufacturing Company, The, Cleveland, Ohio. Motor-car heaters. 204,046; June 1.
Perl, Dr. J., & Co., Kommandit-Gesellschaft, Berlin-Tempelhof, Germany. Lacquers, dry, paste, and ready-mixed paints, and varnishes. 229,403; June 1.
Perry Milk Products Company, Perry, Iowa. Condensed milk. 212,292; June 1.
Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils. 226,439; June 1.
Philstrom, John S., Theodore, Ala. Beverage. 229,815; June 1.
Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga. Lye, castor oil, petroleum jelly, salt, etc. 215,477; June 1.
Polefsky, Jacob S., doing business as Eureka Flavor Co., New York, N. Y. Food-flavoring extracts. 229,584; June 1.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Polzin, Joseph, doing business as The Highway Co., Rock Island, Ill. Nonalcoholic, maltless beverage. 229,703; June 1.
Pompieri, Horatio, doing business as Pompieri Company, Brooklyn, N. Y. Soap. 229,055; June 1.
Popper Gray & Co., Inc., New York, N. Y. Roquefort cheese. 220,320; June 1.
Pransky, David L., Philadelphia, Pa. Hosiery, shirts, overalls, underwear, and gloves. 169,822; June 1.
Pyramid Packing Company, Sitka, Alaska. Canned fish. 228,562; June 1.
Quaker Oats Company, The, Chicago, Ill. Poultry feed. 227,602; June 1.
Quieta Werke A. Kasper. (See Kasper. Alfred.)
Ragovin, Harry, New York, N. Y. Vests, chemises, steppins, slips, petticoats, and bloomers. 227,685; June 1.
Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 227,369; June 1.
Reid, Murdoch & Co., Chicago, Ill. Peanut butter. 227,852; June 1.
Reilly Whiteman Company, Conshohocken, Pa. Belt dressing. 229,983; June 1.
Republic Knitting Mills, Inc., Brooklyn, N. Y. Knitted cloth. 212,504; June 1.
Rhoads, Harry, doing business as Bill Weeder Co., Sidney, Ohio. Hand tool utilized as a weed puller. 218,204; June 1.
Richards, James E., Company, The, Dayton, Ohio. Drop cloth for use by painters, decorators, plasterers. 229,645; June 1.
Robins, G. S., & Company, St. Louis, Mo. Soap. 228,938; June 1.
Roessler & Hasslacher Chemical Company, The, New York, N. Y. Fluids used in refrigeration. 229,468; June 1.
Rogers, Clocker N., Turf Weekly Publishing Co. (See Adelman, Harry.)
Rohm & Haas Co., Inc., Philadelphia, Pa. Synthetic resins possessing a solvent action of nitrocellulose. 224,724; June 1.
Rohm & Haas Co., Inc., Philadelphia, Pa. Synthetic resins per se or in solution or in mixtures for filling materials. 224,726; June 1.
Ross, Sydney, Co., The, Newark, N. J. Preparations for thetreatment of bowel and liver diseases. 226,922–5; June 1.
Rowntree and Company, Limited, York, England. Candy. 224,727; June 1.
Royal Glue Company, Washington, D. C. Glues and adhesive cement. 222,764; June 1.
Russ, Harry O., Boston, Mass. Coal. 229,253; June 1.
Saint Louis and O'Fallon Coal Company, St. Louis, Mo. Coal. 229,300; June 1
Santa Fe Transportation Company, The, Santa Fe, N. Mex., and Kansas City, Mo. Booklets, circulars, and pamphlets. 228,867; June 1.
Schulze, Paul, Biscuit Co., Chicago, Ill. Bakery goods described as crackers. 222,952; June 1.
Schulze, Paul, Biscuit Co., Chicago, Ill. Bakery goods described as cookies, cakes, and wafers. 222,958–9; June 1.
Schweikarth, William H., Trafford, Pa. Healing salves. 229,828; June 1.
Sea Pride Canning Co., Monterey, Calif. Sardines. 230,589; June 1.
Searle, G. D., & Co. Inc., also doing business as G. D. Searle & Co., Chicago, Ill. Effervescent salt for remineralization of the blood. 230,317; June 1.
Sears, Roebuck and Co., Chicago, Ill. Toothbrushes. 229,648–9; June 1.
Sease, Chester A., Harrisburg, Pa. Corrosive-preventing liquid composition. 230,418; June 1.
Security Mills, Inc., Newton, Mass., and New York, N. Y. Dresses and hats for women and children and coats, suits, sweaters, etc. 229,473; June 1.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Tank bulbs. 230,052; June 1.
Sexton, John, and Company. Table salt and roach powder. 230,264; June 1.
Shur-On Standard Optical Co., Inc., Geneva, N. Y. Machines for manufacturing, finishing, adjusting, and testing lenses and lens mountings. 227,970; June 1.
Silberman, Louis, & Sons, Philadelphia, Pa. Finished sole leather. 225,746; June 1.
Silver-Fox Co. Inc., New York, N. Y. Dresses, waists, and coats. 229,527; June 1.
Simon, Nathan, doing business as United States Appliance Company, Chicago, Ill. Hot-water heaters, hot-water-storage heaters, supersteam boilers, and vapor oil burners. 229,528; June 1.
Snyder Hoist & Body Company, The, Baltimore, Md. Dumping trucks. 228,202; June 1.
Societe Anonyme Ch. Drecoll, Paris, France. Perfumes, toilet waters, face powder, etc. 229,596; June 1.
Societe du Louvre (Societe Anonyme), Paris, France. Perfumes, toilet waters, face powders, bath salts, etc. 229,060; June 1.
Solway-Annan Company, Washington, D. C. Preparation for use in treating blood affections, etc. 230,902; June 1.
Southern Cold Storage Co., Cleveland, Tenn. Ice. 229,200; June 1.
Spencer Perfume Company, South Bend, Ind., doing business as Merice, New York, N. Y. Face powders, face creams, face packs, nail polishes, smelling salts, etc. 230,364; June 1.
Spencer Perfume Company, South Bend, Ind., doing business as Veritas, New York, N. Y. Face powders, creams, and packs, smelling salts, etc. 230,365; June 1.
Staedtler, J. S., Inc., New York, N. Y. Lead pencils. 225,064; June 1.
Stahl, Otto, Inc., New York, N. Y. Frankfurters. 229,127; June 1.
Standard Growers Exchange, Orlando, Fla. Fresh oranges and grapefruit. 211,718–9; June 1.
Stein, S., & Co., New York, N. Y. Woolen goods. 229,938; June 1.
Sterling Products Company, The, Cleveland, Ohio. Hot-surface paints. 227,863; June 1.
Storen Bros. Packing Company, Lexington, Ind. Canned tomatoes and puree. 229,360; June 1.
Strain, Thomas, jr., doing business as National Fruit Exchange, Fresno, Calif. Fresh deciduous fruits, grapes, cantaloupes, and lettuce. 221,390; June 1.
Swartwood-Nelson Paper Co., Minneapolis, Minn. Bond paper. 220,377; June 1.
Sylmar Packing Corporation, Los Angeles, Calif. Pimentos, pimento cups, canned and bottled figs, etc. 226,176; June 1.
Tar Products Corporation, Providence and East Providence, R. I. Coal tar, seine tar, lens pitch, marking tar. 229,412; June 1.
Tar Products Corporation, Providence and East Providence, R. I. Coal tar, seine tar, lens pitch, marking tar, and pitch. 229,414; June 1.
Tausend, Albert W., doing business as Magnetic Spring Water Company, Saginaw, Mich. Orange-flavored beverage. 228,393; June 1.
Texas Company, The, Houston, Tex. and New York, N. Y. Gasoline. 227,974; June 1.
Texsun Packing Co., Brownsville, Tex. Fresh grapefruit and oranges. 226,262; June 1.
Theodorsen, Olav T., Oslo, Norway. Metallic joint plates and joint parts for wooden structural elements, etc. 226,610; June 1.
Thomson Wood Finishing Co., The, Philadelphia, Pa. Varnishes, varnish stains, paint enamels, etc. 229,362; June 1.
Threefoot Brothers & Company, Meridian, Miss. Wheat flour. 221,933; June 1.
Toch Brothers, Incorporated, New York, N. Y. Paint and varnish remover. 228,574; June 1.
Toch Brothers, Incorporated, New York, N. Y. Varnishes. 228,578; June 1.
Tolstoi, Maurice, doing business as Original "Alex" Original, Washington, D. C. Suits, coats, vests, trousers, etc. 230,855; June 1.
Toohey Silk Mills, Incorporated, New York, N. Y. Lining silk piece goods. 201,162; June 1.
Tosse, E., & Co., Inc., New York, N. Y. Preparation for the treatment of eczema and diseases of the skin. 230,424; June 1.
Trifari, Krussman & Fishel, Inc., New York, N. Y. Powder-puff jars, hair-receiver jars, salve jars, etc. 226,177; June 1.
Trix Perfumers, New York, N. Y. Nail polishes and nail-polish removers. 226,835; June 1.
Union Cosmetic Co. (See Burnes, Gertrude A.)
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Dye and heel, edge, and shank ink used in the manufacture and repair of boots and shoes. 230,140; June 1.
United States Appliance Company. (See Simon, Nathan.)
U. S. Hame Company, Buffalo, N. Y. Hames. 229,257–8; June 1.
Universal Writor Co., Minneapolis, Minn. Pens and pencils to prevent finger movement. 215,666; June 1.
Van Dorn Iron Works Company, The, Cleveland, Ohio. Polish for use in connection with metal furniture. 229,137; June 1.
Veritas. (See Spencer Perfume Company.)
Vulcan Asphalt and Supply Company Limited, Toronto, Ontario, Canada. Monolithic floors formed wholly or partly of asphaltic material. 215,885; June 1.
Wadley, W. M. B., Chicago, Ill. Sheets used in connection with loose-leaf systems. 204,686; June 1.
Wailes Dove-Hermiston Corp., New York, N. Y. Condenser paints. 228,628; June 1.
Ward, Jack, Agawam, Mass. Cigars. 228,516; June 1.
Watertown Carbonating Co. (See Dory, P. G.)
Waverly Company, The, Minneapolis, Minn. Dental floss and pyorrhea tape. 230,505; June 1.
Weill & Hartmann, New York, N. Y. Hats, dresses, coats, suits, etc. 230,602–3; June 1.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed lacquers. 227,545; June 1.

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Wheeling Machine Products Co., Wheeling, W. Va. Pipe couplings and nipples. 230,701; June 1.
Whittemore Bros. Corp., Cambridge, Mass. Leather polish. 223,009; June 1.
Williams-Wright Co., Whittier, Calif. Automobile and furniture polish. 227,761; June 1.
Wilson, George C., doing business as The Wilson Chemical Company, Tyrone, Pa. Toilet preparations. 229,842; June 1.
Winne & Sutch Co., Los Angeles, Calif. Cotton goods in the piece. 229,368; June 1.
Wire Rope Manufacturing & Equipment Company, Seattle, Wash. Wire rope. 225,069; June 1.
Wisner, André, Clichy, France. Soap. 225,632; June 1.
Wolsey Limited, Leicester, England. Hosiery, undershirts, pants, etc. 226,615; June 1.
Wyman, Partridge & Company, Minneapolis, Minn. Overalls, overall suits, shirts, and pants. 229,715; June 1.
Zonolite Company, The, Libby, Mont. Natural mineral substance. 225,854; June 1.
Zylox Company. (See Kale, Francis W.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Bulbs, Flowering. R. & J. Farquhar & Co. 28,468; renewed June 30, 1926.
Lumber. W. R. Pickering Lumber Company. 213,792; June 1.

CLASS 2.

Bags and pouches, India-rubber. Continental Caoutchouc Company. 51,760; renewed Apr. 24, 1926.
Bags for packaging and handling materials of various kinds. Bates Valve Bag Company. 213,790; June 1.
Bags, Garment. Lewy Chemical Co. 213,793; June 1.
Baskets, Wire. Cyclone Fence Company. 213,643; June 1; Serial No. 226,335; published Mar. 23, 1926.
Receptacles for attachment to the inside of automobiles, Base-metal. Doerr Manufacturing Company. 213,674; June 1; Serial No. 199,611; published Mar. 23, 1926.

CLASS 3.

Baggage. Associated Merchandising Corporation. 213,584; June 1; Serial No. 225,340; published Mar. 16, 1926.
Baggage. Associated Merchandising Corporation. 213,584; June 1; Serial No. 225,340; published Mar. 16, 1926.
Cases and key holders, Key. J. J. O'Brien. 213,784; June 1.

CLASS 4.

Cleaner, Liquid. F. S. Lyndall. 213,727; June 1; Serial No. 222,265; published Jan. 12, 1926.
Cleaning compound for typewriter type and all other metal type. Piccadilly Ink Company. 213,778; June 1.
Extracts, waters, lotions, colognes, powders, oils, creams, soaps, and the like. R. Hudnut. 28,497; renewed June 30, 1926.
Perfumes, powders, soaps, dentifrice, creams, hair oils, etc. R. Hudnut. 28,496; renewed June 30, 1926.
Preparation for polishing metals, glass windows, etc., Liquid. M. K. Brigstocke. 213,669; June 1; Serial No. 215,131; published Jan. 12, 1926.
Starch and its preparations, soap, soap powder, soda, blue, borax and the like. Hoffman's Stärkefabriken. 28,223; renewed May 5, 1926.

CLASS 6.

Alcohol, Chemicals for testing. G. S. Cornish. 213,744; June 1; Serial No. 226,716; published Mar. 16, 1926.
Alcohol, Rubbing. A. M. Gugenheim. 213,705; June 1; Serial No. 225,712; published Mar. 16, 1926.
Alkaline powder. Associated Physicians Laboratories. 213,738; June 1; Serial No. 223,883; published Mar. 23, 1926.
Baking powder. R. E. Jones. 213,760; June 1; Serial No. 226,773; published Mar. 23, 1926.
Blood purifier and liver regulator. L. W. Estes. 28,546; renewed July 7, 1926.
Cleansing-cream Paper. Freshie Co. Inc. 213,770; June 1; Serial No. 227,301; published Mar. 23, 1926.
Compound for automobile radiators. White Mule, Inc. 213,765; June 1; Serial No. 227,208; published Mar. 23, 1926.
Compound for increasing the production of eggs and for the treatment of cholera, gape, etc., and other diseases of poultry. Midwest Grocery Co. 213,745; June 1; 226,729; published Mar. 16, 1926.
Cough mixtures. Schwencke's Laboratories. 213,746; June 1; Serial No. 226,743; published Mar. 16, 1926.
Court plaster, Antiseptic liquid. C. W. Dees. 213,663; June 1; Serial No. 224,450; published Mar. 16, 1926.
Creams, powders, and packs, toilet waters, rouges, etc., Face. Maté, Inc. 213,600; June 1; Serial No. 226,295; published Mar. 16, 1926.
Creams, powders, packs, and lip sticks, perfumes, etc., Face. Maté, Inc. 213,601; June 1; Serial No. 226,297; published Mar. 16, 1926.
Disinfectants. Korrex. 213,764; June 1; Serial No. 227,179; published Mar. 23, 1926.
Dressings, Warp. Drake Corporation. 213,718; June 1; Serial No. 204,545; published Mar. 16, 1926.
Emulsion of cod-liver oil. Wm. S. Merrell Company. 213,748; June 1; Serial No. 226,818; published Mar. 16, 1926.
Exterminator, Rodent. Toledo Rex Spray Company. 213,664; June 1; Serial No. 226,987; published Mar. 16, 1926.
Gasoline as a motor fuel. Motorite, Inc. 213,712; June 1; Serial No. 226,437; published Mar. 16, 1926.
Glycerine, Radiator. Peet Brothers Company. 213,734; June 1; Serial No. 224,421; published Mar. 16, 1926.
Gum for the treatment of head colds, catarrh, etc. Medicated. J. Miller. 213,755; June 1; Serial No. 226,592; published Mar. 16, 1926.
Hair colorings, tints, and dyes. Paragon Laboratories, Inc. 213,695; June 1; Serial No. 224,526; published Mar. 16, 1926.
Hairdressings. Lyon & Lyon. 213,662; June 1; Serial No. 227,026; published Mar. 16, 1926.
Insecticide. Spradlin Rug Company. 213,782; June 1.
Insecticide. Standard Medical Co. 213,740; June 1; Serial No. 226,834; published Mar. 16, 1926.
Insecticide. Temple Garden Tea Company. 213,743; June 1; Serial No. 226,697; published Mar. 16, 1926.
Insecticide spray. S. Perkins. 213,726; June 1; Serial No. 221,564; published Mar. 23, 1926.
Liniment. H. F. Goodrich. 213,750; June 1; Serial No. 225,708; published Mar. 23, 1926.
Medical products, Mineral. Alexander Winter and Sons. 213,720–1; June 1; Serial Nos. 215,287–8; published Mar. 16, 1926.
Medicaments, powders, tablets, and pills, digitalis, etc. A. Boehringer. 213,719; June 1; Serial No. 211,326; published Mar. 16, 1926.
Medicated material for use on the human body. Medical Novelty Company. 26,026; renewed Feb. 12, 1925.
Medicine. A. Dygas. 213,707; June 1; Serial No. 225,915; published Mar. 16, 1926.
Medicine for Graves' disease. Vereinigte Chemische Werke Aktiengesellschaft. 53,527; renewed June 5, 1926.
Medicine for the treatment of menstrual disorders. J. E. Knox. 213,741; June 1; Serial No. 226,856; published Mar. 16, 1926.
Medicines. E. P. Mertz. 53,347; renewed May 29, 1926.
Medicines. Orrine Company of the District of Columbia. 53,354; renewed May 29, 1926.
Medicines. Tex-A-Tone Chemical Company. 213,697; June 1; Serial No. 224,997; published Mar. 16, 1926.
Novarsenbenzol in tablet form. Les Etablissements Poulenc Freres. 213,716; June 1; Serial No. 203,623; published Mar. 16, 1926.
Ointment, Healing. M. P. Schmidt. 213,730; June 1; Serial No. 224,055; published Feb. 23, 1926.
Perfume and face powder. S. Palmer. 213,713; June 1; Serial No. 226,508; published Mar. 16, 1926.
Perfumes, perfumed powders, and toilet water, etc. Colgate & Company. 213,709; June 1; Serial No. 226,047; published Mar. 16, 1926.
Perfumes, toilet water, face powder, etc. M. Babani. 213,703; June 1; Serial No. 225,637; published Mar. 16, 1926.
Perfumes, toilet water, face powders, etc. C. J. Peterson. 213,736; June 1; Serial No. 222,995; published Mar. 23, 1926.
Perfumes, toilet water, hair tonics, nail polish, etc. Marf' Trudeau Co. 213,696; June 1; Serial No. 224,569; published Mar. 16, 1926.
Perfumes, toilet water, toilet powders, face creams, etc. Raquel, Incorporated. 213,775; June 1.
Perfumes, toilet waters, face creams, rouges, etc. Lecaron Fils. 213,700; June 1; Serial No. 225,427; published Mar. 16, 1926.
Perfumes, toilet waters, hair tonic, etc. La Salle Company. 213,753–4; June 1; Serial Nos. 226,433–4; published Mar. 23, 1926.
Pharmaceutical and cosmetical products. Norddeutsche Wollkämmerei & Kammgarnspinnerei. 28,679; renewed July 28, 1926.
Pharmaceutical product adapted for the treatment of syphilis. Dr. M. Pomaret. 213,702; June 1; Serial No. 226,522; published Mar. 16, 1926.
Pigments for rubber, paint, ink, composition, etc., Black. Binney & Smith Company. 213,758; June 1; Serial No. 226,710; published Mar. 23, 1926.

Polishes, perfumes, face creams, etc., Nail. Le Jolie Main, Inc. 213,708; June 1; Serial No. 226,009; published Mar. 9, 1926.
Polishes, perfumes, face powders, talcum powders, Nail. Le Jolie Main, Inc. 213,701; June 1; Serial No. 225,428; published Mar. 16, 1926.
Pomade. Chesebrough Manufacturing Co. (Consolidated). 213,571; June 1; Serial No. 226,713; published Mar. 23, 1926.
Pomatum with a base of propidon vaccine. Les Etablissements Poulenc Freres. 213,715; June 1; Serial No. 203,621; published Mar. 16, 1926.
Powder and scented powder for the bath and body, Incense. B. Alexander. 213,699; June 1; Serial No. 225,392; published Mar. 16, 1926.
Powder for human use, Foot. D. J. Walker. 213,767; June 1; Serial No. 227,283; published Mar. 23, 1926.
Powder, Lice. D. J. Walker. 213,769; June 1; Serial No. 227,285; published Mar. 23, 1926.
Preparation for cleaning and lubricating ferrotype tins. Ferolene Sales Co. 213,698; June 1; Serial No. 225,182; published Mar. 16, 1926.
Preparation for the treatment of indigestion, bloating, heartburn, etc. J. D. Hood. 213,706; June 1; Serial No. 225,714; published Mar. 16, 1926.
Preparation for the treatment of obesity. F. Brown. 213,551; June 1; Serial No. 221,405; published Feb. 2, 1926.
Preparation for the treatment of sciatica, colds, la grippe, etc. Ridenous-Bayley Drug Co. 213,733; June 1; Serial No. 224,294; published Mar. 16, 1926.
Preparation for use in the treatment of nervous indigestion, dyspepsia, etc. N. S. Applewhite. 213,693; June 1; Serial No. 226,874; published Mar. 16, 1926.
Preparation for use in the treatment of rail cloth of pool tables. E. Hamblin, jr. 213,710; June 1; Serial No. 226,140; published Mar. 16, 1926.
Preparation, skin bleach, face powder, and cleansing cream, Hair-straightening. Casmith Remedy Company. 213,759; June 1; Serial No. 226,762; published Mar. 23, 1926.
Preparation used in waving or curling hair. Nestle Lanoil Co. Ltd. 213,766; June 1; Serial No. 227,245; published Mar. 23, 1926.
Preparations for the treatment and prevention of vaginal catarrh and other female disorders, Hygienic. Holland-Rantos Co. 213,756; June 1; Serial No. 226,654; published Mar. 16, 1926.
Preservatives, Wood. Wm. Menzel & Co. 27,946; renewed Mar. 10, 1926.
Preservers, Wood and plant. Wm. Menzel & Son. 28,001; renewed Mar. 24, 1926.
Remedy, Corn, bunion, and callus. J. F. Huber. 213,749; June 1; Serial No. 224,971; published Mar. 23, 1926.
Remedy for diarrhea and colic. J. S. Wurm. 213,763; June 1; Serial No. 226,991; published Mar. 23, 1926.
Remedy, Pile. Casmith Remedy Company. 213,747; June 1; Serial No. 226,763; published Mar. 16, 1926.
Remedy, Veterinary. Dr. Wm. Caln Company. 213,704; June 1; Serial No. 225,701; published Mar 16, 1926.
Rodent exterminator. Toledo Rex Spray Company. 213,661; June 1; Serial No 226,988; published Mar. 16, 1926.
Rouge. Armand Company. 213,777; June 1.
Salve and ointment, Healing. J. Mangel. 213,752; June 1; Serial No. 226,067; published Mar. 23, 1926.
Sirup, Cough. S. C. Amter. 213,732; June 1; Serial No. 224,271; published Mar. 16, 1926.
Solutions, Intravenous. Intravenous Products Company of America, Inc. 213,724; June 1; Serial No. 218,645; published Mar. 16, 1926.
Sugar used in tanning, Corn. Bernhan Chemical & Metal Corp. 213,714; June 1; Serial No. 168,351; published Mar. 16, 1926.
Tablets. Associated Physicians Laboratories. 213,737; June 1; Serial No. 223,882; published Mar. 23, 1926.
Tablets, Compressed. H. K. Mulford Company. 213,761; June 1; Serial No. 226,780; published Mar. 23, 1926.
Tablets, Poultry. Dr. Falk Stock Remedy Co. 213,739; June 1; Serial No. 223,908; published Mar. 9, 1926.
Theobrominacelate of soda. Les Etablissements Poulenc Freres. 213,717; June 1; Serial No. 203,624; published Mar. 16, 1926.
Tetrabromphenolphthalein sodium salt. Mallinckrodt Chemical Works. 213,728; June 1; Serial No. 224,469; published Mar. 16, 1926.
Tetraiodphenolphthalein sodium salt. Mallinckrodt Chemical Works. 213,690; June 1; Serial No. 222,470; published Mar. 16, 1926.
Therapeutic agent for hypodermic injections for the treatment of arthritis, pyelitis, etc. Ernst Bischoff Co. Inc. 213,762; June 1; Serial No. 226,938; published Mar. 23, 1926.
Toilet preparation. Vasco Products Incorporated. 213,735; June 1; Serial No. 224,437; published Mar. 16, 1926.
Tonic for poultry. D. J. Walker. 213,768; June 1; Serial No. 227,284; published Mar. 23, 1926.
June 1; Serial No. 226,593; published Mar. 16, 1926.
Tonic, General. Aktinol Laboratories, Inc. 213,691; June 1; Serial No. 224,442; published Mar. 16, 1926.
Tonic, General. E. J. Hart & Co. Ltd. 213,757; June 1; Serial No. 226,551; published Mar. 23, 1926.
Tonics, General. Munyon Remedy Company. 213,604; Toothache treatment. Ringer Products Co. 213,692; June 1; Serial No. 226,979; published Mar. 16, 1926.

CLASS 7.

Rope, cable guy strand, Wire. Pacific Wire Rope Co. 213,599; June 1; Serial No. 223,074; published Mar. 23, 1926.
Twine, rope, yarn, and roving made of cotton, jute, hemp, or flax. Linen Thread Co. 213,655; June 1; Serial No. 198,652; published Mar. 23, 1926.

CLASS 8.

Pipes. Reiss-Premier Pipe Co. 213,598; June 1; Serial No. 225,318; published Mar. 23, 1926.
Pipes, Tobacco. A. Freeman. 213,550; June 1; Serial No. 221,052; published Mar. 16, 1926.
Tobacco pipes, cigar and cigarette holders. Marechal, Ruchon & Co. 213,573; June 1; Serial No. 227,361; published Mar. 23, 1926.

CLASS 9.

Matches, Safety. Lion Match Co. 213,588; June 1; Serial No. 225,614; published Mar. 16, 1926.
Revolvers and shotguns. J. L. Galef. 213,593; June 1; Serial No. 218,912; published Mar. 23, 1926.

CLASS 10.

Fertilizer. Nitrate Agencies Company. 213,615; June 1; Serial No. 223,134; published Mar. 23, 1926.

CLASS 11.

Carbon paper. Columbia Ribbon & Carbon Manufacturing Company. 213,612; June 1; Serial No. 221,807; published Mar. 23, 1926.

CLASS 12.

Cement, Portland. Alsen'sche Portland Cement Fabriken. 28,543; renewed July 7, 1926.

CLASS 13.

Boilers, Egg. W. L. Deming. 213,554; June 1; Serial No. 225,651; published Mar. 9, 1926.
Boilers, teakettles, waffle molds, etc., Double. Perfection Cook-Ware Corp. 213,794; June 1.
Devices for making coffee. Coffee Maid Corporation. 213,723; June 1; Serial No. 226,231; published Mar. 23, 1926.
Doorstops. S. H. Perky. 213,630; June 1; Serial No. 225,966; published Mar. 23, 1926.
Flame arresters, gauge hatches, breathing valves, etc. General Machine Works. 213,729; June 1; Serial No. 223,088; published Mar. 23, 1926.
Metal curtain rods, drapery hardware, and window-shade hardware. Kenney Manufacturing Company. 213,658; June 1; Serial No. 225,664; published Mar. 9, 1926.
Screen hanger sets. Warner Hardware Specialty Co. 213,722; June 1; Serial No. 226,180; published Mar. 23, 1926.
Valves, relief valves, fittings for fluid-containing tanks, etc. Sands Manufacturing Company. 213,771; June 1; Serial No. 224,728; published Mar. 9, 1926.

CLASS 14.

Colors, brocades, and leaf metals, Bronze. L. Auerbach & Co. 55,490; renewed Aug. 14, 1926.
Steel. Howe, Brown & Co. Ltd. 54,307; renewed June 26, 1926.
Steel, Bar. Horace T. Potts & Co. 213,631; June 1; Serial No. 225,973; published Mar. 23, 1926.
Tin plate and solder. George Tritch Hardware Company. 213,623; June 1; Serial No. 224,756; published Mar. 23, 1926.

CLASS 15.

Gasoline. Benzo-Gas Motor Fuel Company. 213,685; June 1; Serial No. 227,216; published Mar. 23, 1926.
Gasoline. Mason City Oil and Grease Company. 213,659; June 1; Serial No. 225,791; published Mar. 9, 1926.
Gasoline. Pontiac Oil Company. 213,675; June 1; Serial No. 204,628; published June 2, 1925.
Gasoline. Sloane-Forsberg Oil Company. 213,666; June 1; Serial No. 211,873; published Mar. 23,1926.
Gasoline, kerosene, and other liquid motor fuel. Independent Oil and Gas Company. 213,586; June 1; Serial No. 225,514; published Mar. 23, 1926.
Gasoline, kerosene, lubricating oils and greases. Independent Home Oil Co. 213,668; June 1; Serial No. 215,071; published Nov. 3, 1925.
Gasoline, kerosene, naphtha, etc. Tide Water Oil Company. 213,589; June 1; Serial No. 225,626; published Mar. 23, 1926.
Grease, lubricating oils, etc., Axle and cup. Park Bros. Inc. 213,672; June 1; Serial No. 185,906; published Oct. 14, 1924.
Greases, gear greases, and lubricating greases, etc., Axle. Independent Oil and Gas Company. 213,587; June 1; Serial No. 225,515; published Mar. 23, 1926.
Oil and valve oil, Cylinder. J. D. Streett & Company. 213,652; June 1; Serial No. 226,985; published Mar. 23, 1926.

Oil composition. J. A. Young. 213,583; June 1; Serial No. 225,336; published Mar. 23, 1926.
Oil, Lubricating. James McCord Company. 213,556; June 1; Serial No. 225,602; published Mar. 9, 1926.
Oils and greases, Lubricating. Hancock Refining Co. 213,522; June 1; Serial No. 224,020; published Mar. 9, 1926.
Oils and greases, Lubricating. Pierce Petroleum Corporation. 213,536; June 1; Serial No. 216,637; published Sept. 15, 1925.
Oils and greases, Lubricating. Quaker Oil Products Corporation. 213,548; June 1; Serial No. 220,138; published Nov. 10, 1925.
Oils and lubricating oils, Fuel. A. T. Locke. 213,511; June 1; Serial No. 224,668; published Mar. 2, 1926.
Petroleum, kerosene, gasoline, etc. Lion Oil Company. 213,677; June 1; Serial No. 206,534; published Mar. 17, 1925.

CLASS 16.

Paint. Stewart Paint Mfg. Co. 213,783; June 1.
Paints. Great Lakes Varnish Works, Inc. 213,799; June 1.
Paints, driers, and varnishes. G. C. Liszka Incorporated. 28,515; renewed June 30, 1926.
Polish. P. L. Brown. 213,654; June 1; Serial No. 193,188; published Sept. 8, 1925.

CLASS 19.

Automobiles and their component parts. Birmingham Small Arms Company Limited. 50,830; renewed Apr. 3, 1926.
Cycles, motor cycles, and parts thereof. Birmingham Small Arms Company, Limited. 50,890; renewed Apr. 3, 1926.
Vehicle ventilators. Hubbard Products Company. 213,788; June 1.

CLASS 21.

Fans, Electric. Jandus Electric Co. 49,251; renewed Jan. 30, 1926.

CLASS 22.

Fishing flies, Artificial. G. W. Frost & Sons. 213,779; June 1.
Fishing lines, Sinkers for. Enterprise Manufacturing Company. 213,644; June 1; Serial No. 226,348; published Mar. 23, 1926.
Game played with pieces, Table. G. P. Sena. 213,581; June 1; Serial No. 225,288; published Mar. 23, 1926.
Golf clubs and golf-club heads. Curtis Bay Copper & Iron Works. 213,781; June 1.
Golf, Device for practicing putting the game of. W. P. Dean. 213,508; June 1; Serial No. 216,669; published Mar. 23, 1926.
Tennis balls. Dunlop Tire and Rubber Corporation of America. 213,780; June 1.
Trout flies and leaders. George Tritch Hardware Company. 213,574; June 1; Serial No. 224,757; published Mar. 23, 1926.

CLASS 23.

Aligning machines. Gilman Fanfold Corporation. 213,626; June 1; Serial No. 225,301; published Mar. 23, 1926.
Auger bits, augers, axes, awls, etc. M. Schmidt. 213,609; June 1; Serial No. 221,336; published Mar. 23, 1926.
Expanders, cutters, and beading tools, Tube and flue. Gustav Wiedeke Co. 213,531; June 1; Serial No. 209,013; published Mar. 16, 1926.
Fire extinguishers. Bastian-Blessing Company. 213,622; June 1; Serial No. 224,648; published Mar. 23, 1926.
Fine cleaners. Perolin Company of America. 213,621; June 1; Serial No. 224,619; published Mar. 23, 1926.
Graders, Road. Hadfield-Penfield Steel Company. 213,606; June 1; Serial No. 220,230; published Mar. 23, 1926.
Guns containing a fire-extinguishing chemical, Collapsible-tube squirt. R. H. Brownlee. 213,619; June 1; Serial No. 224,177; published Mar. 23, 1926.
Mandrels and reamers, Expanding. H. S. Waterman. 213,552; June 1; Serial No. 209,071; published Mar. 23, 1926.
Plows, cultivators, harrows, etc. Empire Plow Company. 213,686; June 1; Serial No. 207,977; published Mar. 23, 1926.
Pocketknives, scissors, razors, etc. P. Giesen. 213,608; June 1; Serial No. 221,224; published Mar. 23, 1926.
Saws and blades. Ackermann Steffan & Co. 213,687; June 1; Serial No. 221,225; published Mar. 23, 1926.
Shovels, spades, scoops, posthole diggers, wooden handles, and parts thereof. Baldwin Tool Works. 213,787; June 1.
Spinning frames, Cork cots for. Armstrong Cork Company. 213,786; June 1.
Tools. Verona Tool Works. 28,858; renewed Sept. 1, 1926.
Transmission mechanism, Automobile. Starr Transmission Corporation. 213,610; June 1; Serial No. 221,339; published Mar. 23, 1926.
Tube and flue expanders, cutters, and bending tools. Gustav Wiedeke Co. 213,568; June 1; Serial No. 216,245; published Mar. 23, 1926.

CLASS 24.

Washboilers and washtubs. Lisk Manuf'g Co. Limited. 213,625; June 1; Serial No. 225,270; published Mar. 23, 1926.
Washboilers and washtubs. Reed Manufacturing Co. 213,580; June 1; Serial No. 225,280; published Mar. 23, 1926.

CLASS 25.

Knobs, Safe combination. Bakelite Corporation. 213,611; June 1; Serial No. 221,587; published Mar. 23, 1926.
Padlocks, door and furniture locks, latches, and bolts for the same. F. Wilhelm Lüling. 213,670; June 1; Serial No. 216,276; published Mar. 23, 1926.

CLASS 26.

Films, Motion-picture. Film Booking Offices of America, Inc. 213,742; June 1; Serial No. 226,952; published Mar. 23, 1926.
Hydrometer, Battery. Joseph Strauss Company. 213,628; June 1; Serial No. 225,895; published Mar. 23, 1926.
Indicator and sighting compass, Combination time. G. Hollinwood. 213,785; June 1.
Indicators, aircraft speedometers, electric compasses, etc., Aircraft speed and distance. Pioneer Instrument Company. 213,616; June 1; Serial No. 223,599; published Mar. 23, 1926.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 213,570; June 1; Serial No. 227,103; published Mar. 23, 1926.
Photographic printing paper, Sensitized. Artpho Company. 213,617; June 1; Serial No. 223,680; published Mar. 23, 1926.
Spectacles, spectacle frames, and parts thereof. Bobrow Optical Mfg. Co. 213,540; June 1; Serial No. 222,659; published Mar. 16, 1926.

CLASS 29.

Brushes. John L. Whiting-J. J. Adams Company. 213,645; June 1; Serial No. 226,394; published Mar. 23, 1926.
Brushes. John L. Whiting-J. J. Adams Company. 213,646–8; June 1; Serial Nos. 226,397–9; published Mar. 23, 1926.
Brushes. John L. Whiting-J. J. Adams Company. 213,649; June 1; Serial No. 226,406; published Mar. 23, 1926.
Dusters, fitch, fresco, floor sweeps, etc., Artists', calcimine, counter. Pittsburgh Plate Glass Company Rennous-Kleinle Division. 213,638; June 1; Serial No. 225,969; published Mar. 23, 1926.
Mops. Squeez-Ezy Mop Co. 213,774; June 1.
Mops and handles therefor. Stover Manufacturing & Engine Co. 213,642; June 1; Serial No. 226,214; published Mar. 23, 1926.
Powder puffs. Oxzyn Company. 213,641; June 1; Serial No. 226,156; published Mar. 23, 1926.

CLASS 30.

Chinaware. Nathan Straus & Sons, Inc. 213,667; June 1; Serial No. 213,864; published Mar. 16, 1926.

CLASS 31.

Valves for ice machines or refrigeration compressors. American Carbonic Machinery Co. 213,613; June 1; Serial No. 222,556; published Mar. 23, 1926.

CLASS 33.

Glass bottles. Salem Glass Works. 213,591–2; June 1; Serial No. 215,116–17; published Aug. 11, 1925.
Glasses and globes, Lamp. Macbeth-Evans Glass Company. 213,594; June 1; Serial No. 223,129; published Mar. 23, 1926.

CLASS 34.

Lamp burners. Scovill Manufacturing Company. 28,884; renewed Sept. 15, 1926.

CLASS 35.

Packing for packing the joints about packing rods in valve glands, etc., Metallic machinery. J. M. Ryan. 213,553; June 1; Serial No. 210,914; published Mar. 23, 1926.
Rubber gaskets. Red Owl Stores, Incorporated. 213,607; June 1; Serial No. 220,804; published Mar. 23, 1926.
Tire patches. Ride-Em Patch Co. 213,635; June 1; Serial No. 226,303; published Mar. 9, 1926.
Tires and inner tubes, Vehicle. Methudy Tire and Rubber Company. 213,772; June 1.
Tires, bandages, repair sheets, plasters, and patches. Continental Caoutchouc Company. 48,342; renewed Dec. 26, 1925.
Tube repair kits and fan belts, Portable. Economy Tire Co. 213,618; June 1; Serial No. 223,902; published Mar. 23, 1926.

CLASS 39.

Aprons and dresses. Liberty Garment Company. 213,629; June 1; Serial No. 225,961; published Mar. 23, 1926.
Arctics. Associated Merchandising Corporation. 213,497; June 1; Serial No. 226,276; published Mar. 9, 1926.
Bloomers. D. W. Kaatze Co. 213,495; June 1; Serial No. 226,659; published Mar. 16, 1926.

Bloomers, Ladies' and misses'. Luxite Silk Products Company. 213,682; June 1; Serial No. 227,130; published Mar. 23, 1926.
Bootees, jackets, dresses, shirts, etc., Infants'. James A. Hearn & Son Inc. 213,530; June 1; Serial No. 208,590; published Mar. 23, 1926.
Boots and shoes, Leather. Helmholz Shoe Manufacturing Company. 21,504–5; June 1; Serial No. 225,658–9; published Mar. 2, 1926.
Boots, shoes, and slippers. James Branch & Sons, Limited. 213,555; June 1; Serial No. 225,661; published Mar. 16, 1926.
Boots, shoes, and slippers. Scholl Manufacturing Company. 213,676; June 1; Serial No. 206,086; published Mar. 9, 1926.
Clothing, Women's. T. C. Murphy. 213,582; June 1; Serial No. 225,314; published Mar. 23, 1926.
Coats and trousers, Men's. E. M. Goldsmith. 52,570; renewed May 15, 1926.
Coats, Fur. Robitshek-Robbins Co. 213,541; June 1; Serial No. 222,944; published Mar. 16, 1926.
Coats, Outer. Philman Coat Co. 213,680; June 1; Serial No. 227,085; published Mar. 23, 1926.
Coats, waistcoats, smoking jackets, etc., Men's and boys' house. Franklin Simon & Co. Inc. 213,578; June 1; Serial No. 225,010; published Mar. 23, 1926.
Corset waists, pyjamas, rompers, union suits, etc. Thos. P. Taylor Co. 213,585; June 1; Serial No. 225,453; published Mar. 16, 1926.
Corsets, brassières, and corset waists and underwear. Ferris Bros. Co. 213,539; June 1; Serial No. 222,172; published Mar. 9, 1926.
Corsets, brassières, girdles, etc. American Lady Corset Co. 213,500; June 1; Serial No. 226,034; published Mar. 9, 1926.
Dresses. Peggy Ann Dress Co. 213,678; June 1; Serial No. 206,684; published Mar. 17, 1925.
Dresses, coats, cloaks, and suits, Ladies' and misses'. Julia Hoyt Modes, Inc. 213,614; June 1; Serial No. 222,926; published Mar. 2, 1926.
Garments, Work. W. M. Finck and Company. 213,524; June 1; Serial No. 224,084; published Mar. 23, 1926.
Gloves. H. M. Smaltz. 213,503; June 1; Serial No. 225,683; published Mar. 2, 1926.
Hats for women and children. Hart & Company. 213,537; June 1; Serial No. 222,068; published Mar. 16, 1926.
Hats, Ladies'. Abe N. Adelson, Inc. 213,501; June 1; Serial No. 225,856; published Mar. 2, 1926.
Hats, Ladies'. Self Service Millinery Stores, Inc. 213,542; June 1; Serial No. 223,259; published Mar. 16, 1926.
Hosiery and silk underwear. W. P. Brown. 213,549; June 1; Serial No. 220,392; published Mar. 16, 1926.
Overalls and shirts, mackinaw coats, leather coats and vests, hiking pants, etc. Cohn-Goldwater Manufacturing Co. 213,560; June 1; Serial No. 204,158; published Mar. 16, 1926.
Pants, overalls, apron overalls, and jackets. Sweet-Orr & Co. 213,496; June 1; Serial No. 226,607; published Mar. 16, 1926.
Shirts, Men's dress. W. P. Rowell & Son Inc. 213,494; June 1; Serial No. 226,868; published Mar. 16, 1926.
Shoes. New York Merchandise Company. 213,502; June 1; Serial No. 225,798; published Mar. 2, 1926.
Shoes, Leather. Craddock-Terry Company. 213,665; June 1; Serial No. 210,885; published Apr. 28, 1925.
Shoes, slippers, heels, and shoe findings, etc. I. Miller & Sons, Inc. 213,510; June 1; Serial No. 217,038; published Mar. 16, 1926.
Shoes, slippers, overshoes, heels, and shoe findings, etc. I. Miller & Sons, Inc. 213,544; June 1; Serial No. 217,036; published Mar. 16, 1926.
Suits, knitted sweater coats, gloves, etc., Swimming. Jantzen Knitting Mills. 213,637; June 1; Serial No. 225,959; published Mar. 23, 1926.
Suits, overcoats, shirts, neckties, mufflers, etc. Brokaw Brothers. 213,527; June 1; Serial No. 221,476; published Mar. 23, 1926.
Sweaters. Palm Knitting Co. 213,557; June 1; Serial No. 153,771; published May 15, 1923.
Sweaters. Palm Knitting Co. 213,558; June 1; Serial No. 153,773; published May 15, 1923.
Sweaters, underwear, shirts, hose, etc., Knitted. H. Cohen. 213,684; June 1; Serial No. 227,165; published Mar. 23, 1926.
Underwear. Wyckoff Knitting Company. 213,683; June 1; Serial No. 227,151; published Mar. 23, 1926.
Underwear for women and children, Knitted. Otis Company. 213,577; June 1; Serial No. 224,986; published Mar. 23, 1926.
Union-suit underwear, Men's. C. M. Walker. 213,499; June 1; Serial No. 226,179; published Mar. 16, 1926.
Wear, Infants'. James A. Hearn & Son Inc. 213,507; June 1; Serial No. 208,589; published Mar. 23, 1926.

CLASS 40.

Buttons. Auburn Button Works Incorporated. 213,579; June 1; Serial No. 225,101; published Mar. 16, 1926.
Irons for waving and curling the hair. E. Boisseau. 213,791; June 1.
Needles. Steico Company. 213,639; June 1; Serial No. 226,028; published Mar. 16, 1926.
Threads, chenille, tinsel, and arrasene. Henry E. Frankenberg Company. 49,275; renewed Jan. 30, 1926.
Trimmings and braids. Henry E. Frankenberg Company. 49,196–7; renewed Jan. 30, 1926.

CLASS 41.

Umbrellas, Waterproof. Siegel, Rothschild & Co. 213,681; June 1; Serial No. 227,088; published Mar. 23, 1926.

CLASS 42.

Broadcloth in the piece. Robertson Bleachery & Dye Works, Inc. 213,602; June 1; Serial No. 226,304; published Mar. 23, 1926.
Cloth, Tent. Brooks Tent & Awning Company. 213,657; June 1; Serial No. 208,564; published Mar. 23, 1926.
Cotton piece goods. American Printing Company. 213,795; June 1.
Cotton piece goods. Edwin E. Berliner & Co. 213,798; June 1.
Cotton piece goods. Dallas Manufacturing Co. 213,590; June 1; Serial No. 211,986; published Mar. 23, 1926.
Cotton textile fabrics. Eddystone Manufacturing Company. 213,789; June 1.
Fabrics, Cotton textile. Neupakner Baumwollspinnerei & Weberei Gottlieb Schnabel. 213,543; June 1; Serial No. 216,925; published Mar. 16, 1926.
Rugs, Chenille. L. S. Henderson. 213,596; June 1; Serial No. 224,408; published Mar. 23, 1926.
Rugs, Textile. Hardwick & Magee Company. 213,605; June 1; Serial No. 226,807; published Mar. 23, 1926.
Silk and rayon mixed goods in the piece. Haskell Silk Co. 213,603; June 1; Serial No. 226,587; published Mar. 23, 1926.
Silk piece goods. Empire Silk Company. 213,526; June 1; Serial No. 207,234; published Mar. 16, 1926.
Silk piece goods. E. A. Rieger. 213,498; June 1; Serial No. 226,211; published Mar. 16, 1926.
Silk, wool, and cotton, Piece goods made of. Haas Brothers Fabrics Corporation. 213,572; June 1; Serial No. 227,174; published Mar. 23, 1926.
Silks. Henry E. Frankenberg Company. 49,052; renewed Jan. 23, 1926.
Silks. Henry E. Frankenberg Company. 49,235; renewed Jan. 30, 1926.
Threads, chenille, and arrasene. Henry E. Frankenberg Company. 49,051; Renewed Jan. 23, 1926.
Worsted and woolen textile fabrics. Holden-Leonard Co. 213,595; June 1; Serial No. 223,238; published Mar. 23, 1926.

CLASS 43.

Yarns and yarns of silk and rayon mixture, Silk. Albert J. Pfeiffer, Inc. 213,660; June 1; Serial No. 225,801; published Mar. 16, 1926.

CLASS 44.

Dentifrices. A. C. Levering. 213,711; June 1; Serial No. 226,294; published Mar. 16, 1926.
Electrical devices for assisting the hearing. American Acoustic Corporation. 213,632; June 1; Serial No. 226,121; published Mar. 23, 1926.
Supports for arches and other parts of the feet and inner supporting soles. E. Z. Walk Arch Corporation. 213,561–3; June 1; Serial No. 208,333–5; published Mar. 23, 1926.
Supports for the arches and other parts of the feet and inner supporting soles. E. Z. Walk Arch Corporation. 213,564; June 1; Serial No. 208,337; published Mar. 23, 1926.
Teeth, Wax for use in taking impressions in conjunction with the making of artificial. I. M. Renfrow. 213,796; June 1.
X-ray, physio-therapy, and electromedical apparatus. General X-Ray Company. 213,636; June 1; Serial No. 226,648; published Mar. 23, 1926.

CLASS 45.

Beverages and sirups and extracts for making the same, Nonalcoholic, maltless. Cloverleaf Products Co. 231,776; June 1.
Beverages and sirups, extracts, and flavors for same. Henney's Original Fruit Cup Co. 213,576; June 1; Serial No. 224,913; published Mar. 23, 1926.
Ginger ale. Cleveland Sandusky Company. 213,773; June 1.

CLASS 46.

Bread. Clarence Saunders Corporation. 213,751; June 1; Serial No. 225,943; published Mar. 23, 1926.
Bread. Wardrop Co. 213,565; June 1; Serial No. 208,934; published Mar. 23, 1926.
Bread. Wardrop Co. 213,566; June 1; Serial No. 208,936; published Mar. 23, 1926.
Bread. Wardrop Co. 213,567; June 1; Serial No. 208,939; published Mar. 23, 1926.
Butter. Mistletoe Creameries. 213,559; June 1; Serial No. 194,729; published Mar. 23, 1926.
Butter and cheese. Alderney Dairy Company. 213,515; June 1; Serial No. 224,689; published Mar. 16, 1926.
Cakes and crackers. Junge Baking Company. 213,688; June 1; Serial No. 225,927; published Mar. 23, 1926.
Cakes, fried cakes, and cookies. Grennan Bakeries Inc. 213,689; June 1; Serial No. 226,054; published Mar. 23, 1926.
Candy. Detroit Candy Company. 213,528; June 1; Serial No. 221,809; published Mar. 23, 1926.

Candy. Gold Brand Confectionery Inc. 213,546; June 1; Serial No. 217,556; published Oct. 6, 1925.
Candy bars and candy. Walter J. Hirsch Company. 213,650; June 1; Serial No. 226,903; published Mar. 23, 1926.
Canned cherries and peaches. United States Stores Corporation. 213,533; June 1; Serial No. 216,305; published Mar. 23, 1926.
Canned fruits and vegetables. Bloomington Canning Co. 52,129; renewed May 1, 1926.
Canned fruits, vegetables, sea food, etc. Sebon, Stevenson & Co. 213,731; June 1; Serial No. 224,057; published Mar. 16, 1926.
Canned salmon. Roundup Grocery Company. 213,493; June 1; Serial No. 226,689; published Mar. 16, 1926.
Canned vegetables and fruits, salmon, and pork and beans. Indianapolis Fancy Grocery Co. 213,492; June 1; Serial No. 226,655; published Mar. 16, 1926.
Cheese. McCrery Creamery Company. 213,627; June 1; Serial No. 226,311; published Mar. 23, 1926.
Chicks, Baby. E. W. Engstrom. 213,529; June 1; Serial No. 224,133; published Mar. 23, 1926.
Cocoa. C. J. Van Houten & Zoon. 50,864; renewed Apr. 3, 1926.
Coffee. Colvin and Mabood Company. 213,679; June 1; Serial No. 227,061; published Mar. 23, 1926.
Coffee. A. Filthuth. 213,653; June 1; Serial No. 227,008; published Mar. 23, 1926.
Coffee. Granger & Co. 213,694; June 1; Serial No. 209,785; published Mar. 16, 1926.
Coffee. Harult & Hewitt Co. 213,651; June 1; Serial No. 226,957; published Mar. 23, 1926.
Coffee. Wilson Coffee Co. 213,506; June 1; Serial No. 226,704; published Mar. 16, 1926.
Coffee substitute. California Health Food Co. 213,532; June 1; Serial No. 209,119; published Mar. 23, 1926.
Confection used as a spread. T. & A. Sales & Mfg. Co. 213,517; June 1; Serial No. 221,788; published Mar. 23, 1926.
Crackers and biscuits. American Biscuit and Manufacturing Co. 28,778; renewed Aug. 8, 1926.
Eggs, mash, chick feed, growing feed, etc. King Milling Co. 213,620; June 1; Serial No. 224,518; published Mar. 23, 1926.
Extracts, Food-flavoring. KKK Medicine Company. 213,569; June 1; Serial No. 219,124; published Mar. 16, 1926.
Feeds, middlings, bran, and ground screenings, Mixed. Lawrenceburg Roller Mills Co. 213,634; June 1; Serial No. 226,292; published Mar. 23, 1926.
Fish and canned vegetables, Preserved. Santiago Lopez Barredo S. A. 213,671; June 1; Serial No. 191,660; published Feb. 2, 1926.
Flavoring filling for cakes and desserts. E. M. Hatherley. 213,519; June 1; Serial No. 224,561; published Mar. 16, 1926.
Flour made from wheat. Pillsbury Flour Mills Company. 213,656; June 1; Serial No. 207,031; published Feb. 16, 1926.
Flour, Wheat. Ballard & Ballard Co. 213,512–14; June 1; Serial No. 224,589–91; published Mar. 16, 1926.
Flour Wheat. Ballard & Ballard Co. 213,516; June 1; Ser. No. 224,588; published Mar. 16, 1926.
Flour, Wheat. Ballard & Ballard Co. 213,521; June 1; Serial No. 224,587; published Mar. 16, 1926.
Food for poultry, Scratch. J. Grossman. 213,525; June 1; Serial No. 224,704; published Mar. 16, 1926.
Food preparation. Bejem Corporation. 213,640; June 1; Serial No. 226,091; published Mar. 16, 1926.
Foods for cows, pigs, sheep, horses, poultry, and cage birds. North Shore Mill Company Ld. 213,523; June 1; Serial No. 223,540; published Mar. 2, 1926.
Fruit, Protective composition for treating. Broydex Company. 213,673; June 1; Serial No. 188,527; published Mar. 2, 1926.
Fruits, Dried. Inderrieden Canning Co. 213,534; June 1; Serial No. 216,395; published Mar. 23, 1926.
Fruits, Fresh and Canned. Lakeview Fruit Co. 213,535; June 1; Serial No. 216,550; published Mar. 23, 1926.
Fruits, jellies, jams, and other food products, Preserved. L. G. Kunze. 213,797; June 1.
Jelly, fruit preserves, mustard, cider vinegar, etc. Penn Vinegar Company. 213,545; June 1; Serial No. 217,359; published Mar. 16, 1926.
Lard and meats. American Provisions Export Company. 213,520; June 1; Serial No. 224,371; published Mar. 23, 1926.
Malt sirup for food purposes. Valentin Blatz Brewing Company. 213,538; June 1; Serial No. 223,423; published Mar. 16, 1926.
Oleomargarine. St. Louis Independent Packing Company. 213,633; June 1; Serial No. 226,171; published Mar. 23, 1926.
Oleomargarine. St. Louis Independent Packing Company. 213,725; June 1; Serial No. 226,171; published Mar. 23, 1926.
Oleomargarine. Swift and Company. 213,597; June 1; Serial No. 224,995; published Feb. 16, 1926.
Peaches, Fresh. Atlantic Orchard Corporation. 213,547; June 1; Serial No. 218,282; published Mar. 23, 1926.
Raisins and figs, Dried. L. H. Davis & Company. 213,509; June 1; Serial No. 216,714; published Mar. 23, 1926.
Rice. R. E. Putnam. 213,518; June 1; Serial No. 220,866; published Mar. 16, 1926.
Semolinas, durum feed and flour, rye feed, etc. Commander Mill Company. 213,624; June 1; Serial No. 224,956; published Mar. 23, 1926.

CLASS 48.

Beer. Reisch Brewing Company. 213,575; June 1; Serial No. 224,881; published Mar. 23, 1926.

ALPHABETICAL LIST OF LABELS.

Beauty Test Packet. For Assorted Cosmetics. Armand Company. 30,386; June 1.
Best Sweet Chocolate. For Chocolate. W. H. Baker, Inc. 30,388; June 1.
Campaign Cigar Vote For. For Cigars. J. W. W. and E. L. Brodis. 30,393; June 1.
Cassine Champagen. For Champagne. S. M. Hoye. 30,402; June 1.
Ex-O-Derm. For a Medical Preparation. S. O. Ishler. 30,403; June 1.
F. S. Duffy's Cough-Lasses For Coughs, Colds, and Hoarseness. For a Medicinal Preparation. F. S. Duffy Medicine Co. 30,395; June 1.
Finlin Novelty Shoes. For Shoes. Finlin Novelty Shoes. 30,397; June 1.
Frisch Process. For Bread. E. Frisch. 30,399; June 1.
Glendale Farm Eggs. For Eggs. Menasha Printing and Carton Company. 30,407; June 1.
Happy Land Candies. For Candy. George Haas & Sons. 30,400; June 1.
Jackson Orange. For an Orange-Flavored Soft Drink. Jackson Brewing Company. 30,405; June 1.
Jane Monroe. For Shoes. Harper & Kirschten Shoe Co. 30,401; June 1.
M B Bread. For Bread. Menasha Printing and Carton Company. 30,408; June 1.
Niagara Macaroni. For Macaroni. Niagara Macaroni Manufacturing Company. 30,411; June 1.
Nourishing Jax Malt. For Malt Tonic. Jackson Brewing Company. 30,404; June 1.
Old Munich. For Malt Sirup. C. G. McCaffrey. 30,406; June 1.
Old Virginia Sweet Milk Chocolate. For Sweet Milk Chocolate. W. H. Baker, Inc. 30,390; June 1.
Old Virginia Vanilla Sweet Chocolate. For Chocolate. W. H. Baker, Inc. 30,391; June 1.
Our Druggists' Dozen. For Penco, a Medicinal Preparation. G. F. Fiske. 30,398; June 1.
Porit. For Fluid Soap. Chas. W. Young & Co. 30,442; June 1.
Premium Chocolate No. 1. For Chocolate. W. H. Baker, Inc. 30,392; June 1.
Princess Chocolate Coated Pineapple. For Candy. Milwaukee Paper Box Co. 30,410; June 1.
Quality Inn. For Cocoa. Sorver, McEvoy & Co. 30,436; June 1.
Quality Inn. For Tea. Sorver, McEvoy & Co. 30,437; June 1.
Red Circle Bitter Sweets. For Candy. Milwaukee Paper Box Co. 30,409; June 1.
Red Head. For Mopsticks. Stover Manufacturing & Engine Co. 30,439; June 1.
Rice's Split-Top Bread. For Bread. City Baking Company. 30,394; June 1.
Rusconi Special Grapes. For Grapes. L. Rusconi. 30,435; June 1.
Santoninum. For Drugs and Chemicals. Eastern & Russian Trading Co., Ltd. 30,396; June 1.
Sergeant's Arsenic and Iron Pills. For Pills for Dogs. Polk Miller Products Corporation. 30,430; June 1.
Sergeant's Canker Wash. For a Wash For Treating Internal and External Canker of the Ear On Dogs. Polk Miller Products Corporation. 30,418; June 1.
Sergeant's Carbolic Tar Soap. For an All-Purpose Soap That Refreshes and Cleanses. Polk Miller Products Corporation. 30,426; June 1.
Sergeant's Condition Pills. For Pills for Dogs. Polk Miller Products Corporation. 30,429; June 1.
Sergeant's Constipation Capsules. For Capsules for Dogs. Polk Miller Products Corporation. 30,433; June 1.
Sergeant's Cough Medicine. For Medicine for Coughs, Colds and Bronchial Troubles. Polk Miller Products Corporation. 30,417; June 1.
Sergeant's Diarrhoea Medicine. For Medicine for Dogs. Polk Miller Products Corporation. 30,427; June 1.
Sergeant's Disinfectant. For Disinfectant for Dogs and General Household Use. Polk Miller Products Corporation. 30,414; June 1.
Sergeant's Distemper Medicine. For Medicine for Distemper. Polk Miller Products Corporation. 30,420; June 1.

Sergeant's Dog Rub. For a Rubbing Oil for Sprains, Lameness, Stiff Joints, Strains, Sore Muscles, and Rheumatism. Polk Miller Products Corporation. 30,422; June 1.
Sergeant's Eye Wash. For a Wash for Treating Granulated Lids, Bloodshot Eyes, Irritations, and Bruises. Polk Miller Products Corporation. 30,419; June 1.
Sergeant's Mange Medicine. For Medicine for Treating Maladies of the Hair and Scalp of Human Beings and Also for Treating Mange, Etc., on Dogs and Other Animals. Polk Miller Products Corporation. 30,416; June 1.
Sergeant's Pepsin Tablets. For Tablets for Dogs. Polk Miller Products Corporation. 30,431; June 1.
Sergeant's Rheumatic Pills. For Rheumatic Pills for Dogs. Polk Miller Products Corporation. 30,434; June 1.
Sergeant's Run-Fit Medicine. For Medicine for Dogs. Polk Miller Products Corporation. 30,423; June 1.
Sergeant's Shampoo Soap for Scalp and Hair. For Shampoo Soap. Polk Miller Products Corporation. 30,413; June 1.
Sergeant's Skip Flea Powder. For Powder for Fleas, Lice, and Certain Other Vermin on Dogs and Cats. Polk Miller Products Corporation. 30,415; June 1.
Sergeant's Skip-Flea Soap. For Soap for the Human Scalp and Also for Killing Vermin on Dogs. Polk Miller Products Corporation. 30,425; June 1.
Sergeant's Sure Shot Capsules. For Capsules for Dogs. Polk Miller Products Corporation. 30,432; June 1.
Sergeant's Sure Shot. For a Liquid Preparation for Treatment of Worms in Small Dogs and Pups. Polk Miller Products Corporation. 30,424; June 1.
Sergeant's Tape Worm Medicine. For Medicine for Dogs. Polk Miller Products Corporation. 30,428; June 1.
Sergeant's Well Mouth. For a Liquid Preparation for Treating Sore Mouth, Etc., in Dogs. Polk Miller Products Corporation. 30,421; June 1.
Stocking's Brand. For Canned Asparagus. G. E. Stocking. 30,438; June 1.
Sunrise Macaroni. For Macaroni. Niagara Macaroni Manufacturing Company. 30,412; June 1.
36 Obestoid Capsules. For Capsules for the Treatment of Obesity. A. Thomas. 30,440; June 1.
Thompson's Kidney and Bladder Pills. For Kidney and Bladder Pills. E. B. Thompson. 30,441; June 1.
Vanilla Sweet Chocolate. For Chocolate. W. H. Baker, Inc. 30,387; June 1.
W. H. Baker Best Cocoa. For Cocoa. W. H. Baker, Inc. 30,389; June 1.

ALPHABETICAL LIST OF PRINTS.

Do This in April and May. For Wheat Breakfast Food. Cream of Wheat Co. 8,860; June 1.
Every Patient Can Eat It—As Gruel, Cereal, or in Simple Delicious Desserts. For Wheat Breakfast Food. Cream of Wheat Co. 8,858; June 1.
Flexyde Baseballs—Official Standard—Waterproof Cover—Cork and Rubber Center. For Baseballs Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company Inc. 8,863; June 1.
Get Up Early To-Morrow Save! For Furniture. Deutsch Bros. 8,861; June 1.
L. M. Meyer's—For Good Eating. For Meat Products. Louis Meyer Co. 8,866; June 1.
Omar Coal. For Coal. L. A. Driscoll. 8,862; June 1.
School and Spring. For Wheat Breakfast Food. Cream of Wheat Co. 8,859; June 1.
Sound Wave. For Bank-Vault Protection Systems. O. B. McClintock Company. 8,865; June 1.
The Boys of Today Are The Men of Tomorrow. For Wheat Breakfast Food. Cream of Wheat Co. 8,857; June 1.
The Happy Home Suite. For Upholstered Furniture. Jamestown Upholstery Co. Inc. 8,864; June 1.
Western Wonder. For Cottonseed. Summerour & Son. 8,867; June 1.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Central States Coal Company. 213,362; June 1.
Coal. H. O. Russ. 229,253; June 1.
Coal. Saint Louis and O'Fallon Coal Company. 229,300; June 1.
Fur pelts and skins. Great Northern Fur Dyeing and Dressing Corporation. 229,282; June 1.
Ice. Southern Cold Storage Co. 229,200; June 1.
Leather. Finished sole. Louis Silberman & Sons. 225,746; June 1.
Mineral substance, Natural. Zonolite Company. 225,854; June 1.
Sponges. Gulf & West Indies Co. 223,230; June 1.
Tar, seine tar, lens pitch, marking tar, Coal. Tar Products Corporation. 229,412; June 1.
Tar, seine tar, lens pitch, marking tar, and pitch, Coal. Tar Products Corporation. 229,414; June 1.

CLASS 2.

Cages and bird-cage stands, Bird. L. J. Leon Mfg. Company. 229,238; June 1.
Jars, hair-receiver jars, salve jars, etc., Powder-puff. Trifari, Krussman & Fishel, Inc. 226,177; June 1.

CLASS 3.

Hames. U. S. Hame Company. 229,257–8; June 1.

CLASS 4.

Cleaning and polishing compound, Liquid. L. M. Johnson. 230,398; June 1.
Dressing, Belt. Reilly Whiteman Company. 229,983; June 1.
Polish, Leather. Whittemore Bros. Corp. 228,009; June 1.
Polish, Metal. Brust Bros. Inc. 226,536; June 1.
Polishing materials, Liquid metal. F. W. Kale. 229,684; June 1.
Soap. Davies-Young Soap Co. 230,090; June 1.
Soap. James S. Kirk & Company. 228,546; June 1.
Soap. H. Pompieri. 229,055; June 1.
Soap. G. S. Robins & Company. 228,938; June 1.
Soap. A. Wisner. 225,632; June 1.
Soap, Antiseptic liquid. Pacific Tri-States Distributing Co. 230,189; June 1.
Soaps. Century National Chemical Company. 229,664; June 1.
Soaps. Toilet and shaving. Palmolive Company. 230,349; June 1.

CLASS 5.

Glues and adhesive cement. Royal Glue Company. 222,764; June 1.

CLASS 6.

Alcohol, Rubbing. T. R. Gelsert. 229,104; June 1.
Ampulls used for injection against frambœsia, chagas, scrofula, etc., and as a disinfectant. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 206,609–10; June 1.
Antiarthriticum. Bayer Company. 225,216; June 1.
Antiseptic, anæsthetic, astringent, and deodorant, Liquid. L. W. Hollingsworth. 230,337; June 1.
Bath crystals. Louray Company. 221,371; June 1.
Brilliantine, cold cream, face powder, and hair gloss. C. W. Beggs Sons & Co. 228,733; June 1.
Colors, Certified food. National Aniline & Chemical Company. 230,303–4; June 1.
Composition, Corrosive-preventing liquid. C. A. Sease. 230,418; June 1.
Compound for treating diarrhea, etc. Beard Laboratories, Inc. 225,759; June 1.
Compounds for treating coughs and colds. L. E. Cash. 228,355; June 1.
Cough drops. Elmer Candy Company. 229,783; June 1.
Cream, Toilet. A. G. Leary. 229,866; June 1.
Creams, Face. H. H. Hempel. 230,032; June 1.
Creams, Foot. N. Beer. 229,611; June 1.
Dandruff remover and hair-falling preventive. E. A. Livermore. 228,002; June 1.
Dentifrices, Liquid. J. G. Hindy. 229,442; June 1.
Dye and heel, edge, and shank ink used in the manufacture and repair of boots and shoes. United Shoe Machinery Corporation. 230,140; June 1.
Face powders, face creams, face packs, nail polishes, smelling salts, etc. Spencer Perfume Company. 230,364–5; June 1.
Fluids used in refrigeration. Roessler & Hasslacher Chemical Company. 229,468; June 1.
Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. 228,982; June 1.
Incense, Assorted. Pacific Dry Goods Co. 229,698; June 1.
Insecticides and a combined hair grower and tonic, mange cure, and composition for destroying vermin on domestic animals. Naamlooze Vennootschap Maatschappij tot Voortsetting der Zaken van de Maatschappij "Phytobie" Internationale Maatschappij tot Verdelging van Dierlijke en Plantaardige Parasieten. 225,373; June 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Laxative, Chewing. W. F. Miller. 228,860; June 1.
Liniment. A. F. Costelow. 226,476; June 1.
Lye, castor oil, petroleum jelly, salt, etc. Plee-Zing Corporation. 215,477; June 1.
Medical compound. M. Cormier. 227,298; June 1.
Medicinal lotion for sunburn, tan, freckles, and chapped hands, lips, and roughness of the skin. T. J. Ballard. 230,377; June 1.
Medicinal preparation. Pepsin Remedy Co. 229,700; June 1.
Medicinal preparation for internal use as a tonic. Glandvim Laboratories, Inc. 229,105; June 1.
Medicines. Denver Pharmaceutical Mfg. Co. 227,722; June 1.
Mineral, Decolorizing and purifying. Filtrol Company. 226,718; June 1.
Nitrocellulose. Hercules Powder Company. 229,387–8; June 1.
Oil, cold and grippe tablets, tooth paste, etc., Russian white mineral. O. Gudis. 226,483; June 1.
Paste, Tooth. Luyties Pharmacal Company. 229,393; June 1.
Pastes, powders, and perfumery. Parfumerie Roger et Gallet. 228,769; June 1.
Pastes, powders, and perfumery. Parfumerie Roger et Gallet. 228,771; June 1.
Perfumes. Guerlain Perfumery Corporation of New York. 230,237; June 1.
Perfumes, toilet waters, face powder, etc. Societe Anonyme Ch. Drecoll. 229,596; June 1.
Perfumes, toilet waters, face powders, and rouges. Maison d'Or, Incorporated. 229,868; June 1.
Perfumes, toilet waters, face powders, rouges, etc. Societe du Louvre (Societe Anonyme). 229,060; June 1.
Polishes and nail-polish removers, Nail. Trix Perfumers. 226,835; June 1.
Pharmaceutical preparation. Organs Restorative Food Corporation. 229,876; June 1.
Preparation for the treatment of eczema and diseases of the skin. E. Tosse & Co. 230,424; June 1.
Preparation for treating irritations of the skin. E. B. Funston 230,170; June 1.
Preparation to be applied to the terminal of storage batteries to prevent corrosion. G. W. Foster. 229,508; June 1.
Preparation used in treating blood affections, etc. Solway-Annan Company. 230,902; June 1.
Preparations for the treatment of bowel and liver diseases. Sydney Ross Co. 226,922–5; June 1.
Preparations, Insect-repelling. C. D. Douglas. 225,825; June 1.
Preparations, Toilet. G. C. Wilson. 229,842; June 1.
Remedy for nervousness, dizziness, and epilepsy. M. Lubk. 230,300; June 1.
Remedy to promote the growth of hair. J. J. Cardillo. 217,392; June 1.
Resins per se or in solution or in mixtures for filling materials, Synthetic. Rohm & Haas Co. 224,726; June 1.
Resins possessing a solvent action on nitrocellulose, Synthetic. Rohm & Haas Co. 224,724; June 1.
Salt and roach powder, Table. John Sexton and Company. 230,264; June 1.
Salt for the remineralization of the blood, Effervescent. G. D. Searle & Co. 230,317; June 1.
Salts, bath crystals, liniment, etc., Mineral laxative. S. H. Jordan. 228,110; June 1.
Salve. W. D. Houchen. 228,904; June 1.
Salve. J. P. Le May. 229,741; June 1.
Salves, Healing. W. H. Schweikarth. 229,828; June 1.
Sarsaparilla compound, Iodide potassium, female tonic, etc. W. Brooks, jr. 229,847; June 1.
Sirup, Cough. H. Finkelstein. 225,653; June 1.
Soda, Silicate of. Grasselli Chemical Company. 230,393; June 1.
Solution for the treatment of corns and calli. D. Ono. 224,925; June 1.
Solvent for gums and cellulose esters, High-boiling. Hercules Powder Company. 229,386; June 1.
Tonic, deodorants, and face lotion, Hair. G. A. Burnes. 228,525; June 1.
Tonic expectorant. Ormont Drug & Chemical Co. 228,061; June 1.
Tonic, Hair. Nutura Laboratories. 228,478; June 1.
Tonic medicine, Constructive. Grossman Drug Company. 230,394; June 1.
Wetting-out agents are bodies used in a great variety of working processes. J. G. Farbenindustrie Aktiegesellschaft. 227,832; June 1.

CLASS 7.

Rope, Wire. Wire Rope Manufacturing & Equipment Company. 225,069; June 1.
Twine. R. C. Hyland. 220,780; June 1.

CLASS 8.

Smokers' articles. Greeley Square Hotel Company. 225,418; June 1.
Smokers' articles. Mason, Ehrman & Company. 227,659; June 1.

CLASS 9.

Matches. Jönköpings och Vulcana Tändsticksfabriksaktiebolag. 228,109; June 1.

CLASS 12.

Bitumen for use in the making of road surfaces, Manufactures from. Colifax, Limited. 228,460; June 1.
Concrete hardener. Kedmont Manufacturing Co. 229,292; June 1.
Doors, veneers, panels, plywood, lumber, and wooden shingles. Morrill & Sturgeon Lumber Company. 224,984; June 1.
Joint plates and joint parts for wooden structural elements, etc., Metallic. O. T. Theodorsen. 226,610; June 1.
Monolithic floors formed wholly or partly of asphaltic material. Vulcan Asphalt and Supply Company Limited. 215,885; June 1.
Mortar and mortar forming materials waterproof, Substance for rendering. J. H. Ditter. 224,812; June 1.
Paving material. Colbert Limerock Asphalt Company. 229,376; June 1.
Tiles. Ego Tile Company. 228,648; June 1.
Wall board and plaster lath, Plaster. California Cedar Products Company. 229,493; June 1.

CLASS 13.

Pipe couplings and nipples. Wheeling Machine Products Co. 230,701; June 1.
Radiator valves, hot-water valves, steam valves, etc. Capitol Brass Works. 229,089; June 1.
Tank bulbs. J. A. Sexauer Mfg. Co. 230,052; June 1.
Utensils, Culinary, household, and dairy. Lisk Manuf'g Co. 225,267; June 1.

CLASS 15.

Fuels, crude and refined oils for lighting, heating, and lubricating purposes, Liquid motor. F. P. Parker. 227,679; June 1.
Gasoline. Clayton Oil & Refining Company. 213,161; June 1.
Gasoline. Texas Company. 227,974; June 1.
Kerosene, gasoline, lubricating oil. Du Val Moore & Co. 230,562; June 1.
Oil, lubricating oils, gasoline, and petroleum greases, Refined. Kendall Refining Company. 228,820; June 1.
Oils and automobile lubricants, Lubricating. Beacon Oil Company. 230,610; June 1.
Oils, Lubricating. Pierce Petroleum Corporation. 226,439; June 1.
Petroleum products. Karchmer Oil Company. 230,550; June 1.

CLASS 16.

Lacquer. Nitrocellulose. Jones-Dabney Company. 228,654; June 1.
Lacquers, dry, paste, and ready-mixed paints, and varnishes. Dr. J. Perl & Co. Kommandit-Gesellschaft 229,403; June 1.
Lacquers, Ready-mixed. Geo. D. Wetherill & Co. 227,545; June 1.
Paint and varnish remover. Toch Brothers, Incorporated. 228,574; June 1.
Paint, Ready-mixed. Keystone Varnish Company. 227,310; June 1.
Paints and paint enamels. R. F. Johnston Paint Company. 230,794; June 1.
Paints, Condenser. Wailes Dove-Hermiston Corp. 228,628; June 1.
Paints for painting on fabrics. M. Krass. 229,043; June 1.
Paints, Hot-surface. Sterling Products Company. 227,863; June 1.
Paints, Ready-mixed. Arlington Paint and Varnish Co. 229,719; June 1.
Polish and automobile polish, Furniture and piano. R. W. Buettner. 225,169; June 1.
Polish, Automobile and furniture. Lusterite Manufacturing Co. Inc. 227,525; June 1.
Polish, Automobile and furniture. Williams-Wright Co. 227,761; June 1.
Polish for use in connection with metal furniture. Van Dorn Iron Works Company. 229,137; June 1.
Stain, barn paint, roof paint, varnishes, etc., Shingle. Missouri Paint & Varnish Co. 190,646; June 1.
Varnishes. Toch Brothers, Incorporated. 228,578; June 1.
Varnishes, varnish stains, paint enamels, etc. Thomson Wood Finishing Co. 229,362; June 1.

CLASS 17.

Cigars. J. Ward. 228,516; June 1.
Tobacco, cigars, cigarettes, cheroots, stogies, chewing and smoking. M. Madera. 228,550; June 1.

CLASS 19.

Airplanes, airplane fuselages, airplane wings, etc. Alexander Industries, Inc. 227,622; June 1.

Automobile and steam-car coaches and bodies. Walter M. Murphy Motors Company. 222,042; June 1.
Automobile fender braces. C. L. Kennedy. 225,928; June 1.
Automobiles. General Motors Corporation. 201,133; June 1.
Heaters, Motor-car. Perfection Heater and Manufacturing Company. 204,046; June 1.
Trucks, Automobile. Indiana Truck Corporation. 229,289; June 1.
Trucks, Dumping. Snyder Hoist & Body Company. 228,202; June 1.
Wagons and parts thereof. International Harvester Company. 227,519; June 1.

CLASS 20.

Linoleum and felt-base products. Armstrong Cork Company. 229,656; June 1.

CLASS 22.

Exercising machines. J. R. Anderson. 210,263; June 1.
Fishing reels. Ocean City Manufacturing Co. 226,735; June 1.
Golf clubs and balls. Davega, Inc. 228,361; June 1.
Toy, Jumping. C. A. Diederichs. 227,115; June 1.

CLASS 23.

Drilling apparatus, rock-bit wrenches, etc., Releasing and circulating overshots for well-. American Iron & Machine Works, Inc. 228,791; June 1.
Weed puller. H. Rhoads. 218,204; June 1.

CLASS 25.

Locks. Mosler Lock Company. 230,757; June 1.

CLASS 26.

Films, Motion-picture. Film Booking Offices of America. 228,534; June 1.
Lenses and lens mountings, Machines for manufacturing, finishing, adjusting, and testing. Shur-On Standard Optical Co. 227,970; June 1.
Scales, Weighing. Best & Co. 227,292; June 1.

CLASS 29.

Brushes, floor brushes, clothes brushes, etc., Painters'. Los Angeles Brush Manufacturing Corp. 226,654; June 1.
Toothbrushes. Sears, Roebuck and Co. 229,648–9; June 1.

CLASS 30.

Pottery, earthenware, and china. Doulton & Co. Limited. 220,766; June 1.

CLASS 33.

Glass globes, reflectors, and plates. Holophane Glass Company. 230,484; June 1.

CLASS 34.

Burners, Oil. Paramount Fuel Oil Burner, Inc. 226,597; June 1.
Heaters, hot-water-storage heaters, supersteam boilers, and vapor oil burners, Hot-water. N. Simon. 229,528; June 1.
Lamp shades. Greist Manufacturing Co. 227,835; June 1.
Radiator vent valves, Steam and hot-water. H. W. Bouck. 226,800; June 1.
Stoves. Coleman Lamp Company. 229,433; June 1.
Ventilators, Vehicle. Hubbard Products Company. 226,145; June 1.

CLASS 35.

Patches for tires, Blow-out. Goodyear Tire & Rubber Company. 209,400; June 1.

CLASS 37.

Envelopes, letterheads, billheads, etc., Printed mailing. J. S. Bridges. 227,771; June 1.
Paper. Daniels Manufacturing Company. 208,845; June 1.
Paper, Bond. Swartwood-Nelson Paper Co. 220,377; June 1.
Pencils, Automatic. Louis F. Dow Company. 187,609; June 1.
Pencils, Lead. J. S. Staedtler, Inc. 225,064; June 1.
Pens and pencils to prevent finger movement. Universal Writor Co. 215,666; June 1.
Sheets used with loose-leaf systems. W. M. B. Wadley. 204,686; June 1.

CLASS 38.

Booklets, circulars, and pamphlets. Sante Fe Transportation Company. 228,867; June 1.
Directories. W. C. Fisher. 229,028–9; June 1.
Invitations and announcements, at-home cards, business announcements, reception cards, etc., Wedding. American Envelope & Printing Company. 218,943; June 1.
Magazine, Monthly. Howard-Severance Company. 228,905; June 1.
Periodical. H. Adelman. 228,349; June 1.
Publication, Weekly trade. Chilton Class Journal Company. 229,323; June 1.

CLASS 39.

Dresses and hats for women and children and coats, suits, sweaters, etc. Security Mills, Inc. 229,473; June 1
Dresses, coats, suits, sweaters, capes, etc. Cromer & Cassel. 229,436; June 1.
Dresses, waists, and coats. Silver-Fox Co. Inc. 229,527; June 1.
Hats, dresses, coats, suits, etc. Weill & Hartmann. 230,602–3; June 1.
Hosiery. Real Silk Hosiery Mills. 227,369; June 1.
Hosiery, gloves, and underwear. Julius Kayser & Co. 229,970; June 1.
Hosiery, shirts, overalls, underwear, and gloves. D. L. Pransky. 169,822; June 1.
Hosiery, undershirts, pants, etc. Wolsey Limited. 226,615; June 1.
Knickers, gymnasium, bathing, and hiking trunks. Kenilworth Manufacturing Co. Inc. 223,847; June 1.
Moccasins. Gideon F. Gosselin & Sons. 228,314; June 1.
Overalls, overall suits, shirts, and pants. Wyman, Partridge & Company. 229,715; June 1.
Pyjamas and nightgowns. Goldstein-Kirshner Co. 229,229; June 1.
Shirts and underwear. Markovitz Brothers. 211,281; June 1.
Suits, coats, vests, trousers, etc. M. Tolstoi. 230,855; June 1.
Sweaters, hats, caps, bootees, etc. S. Lubasch. 229,449; June 1.
Underwear, Ladies'. Frances Negligees Corporation. 228,181; June 1.
Vests, chemise, step-ins, slips, petticoats, and bloomers. H. Ragovin. 227,685; June 1.

CLASS 40.

Hatbands. New York Yacht Club. 225,841; June 1.

CLASS 42.

Blankets, Wool. Golden Rule, Inc. 229,332; June 1.
Cloth for use by painters, decorators, plasterers, Drop. James E. Richards Company. 229,645; June 1.
Cloth, Knitted. Republic Knitting Mills, Inc. 212,504; June 1.
Cotton dress goods. Edwin E. Berliner & Co. 201,876; June 1.
Cotton goods in the piece. Winne & Sutch Co. 229,368; June 1.
Hair nets. F. S. Maggiore. 230,104; June 1.
Rugs, Grass. Deltox Rug Company. 213,280; June 1.
Silk and rayon mixed goods in the piece. Haskell Silk Co. 226,588; June 1.
Silk piece goods, Lining. Toohey Silk Mills, Incorporated. 201,162; June 1.
Woolen goods. S. Stein & Co. 229,938; June 1.

CLASS 44.

Bedpans, urinals, basins, and irrigators. Lisk Manuf'g Co. 225,268; June 1.
Dental floss and pyorrhea tape. Waverly Company. 230,505; June 1.
Dental hand pieces. Mechanical Appliances Company. 229,186; June 1.
Pads used in connection with permanent waving of human hair, Steam. E. Frederics Inc. 229,174; June 1.

CLASS 45.

Beverage, Nonalcoholic, maltless. J. Polzin. 229,703; June 1.
Beverage, Orange-flavored. A. W. Tausend. 228,393; June 1.
Beverages, Noncereal, maltless. P. G. Dory. 229,620; June 1.
Water, Mineral. Capon Springs Company. 228,800; June 1.

CLASS 46.

Beverage. J. S. Pihlstrom. 229,815; June 1.
Beverages, extracts, and sirups, Malt. Hauser & Sobotka A. G. 228,189; June 1.
Bread. Carolina Baking Company. 218,794; June 1.
Bread. S. A. Haram & Co. 217,771; June 1.
Bread. Messing Bread Company. 208,061; June 1.
Butter. Monticello Dairy. 216,453; June 1.
Candies. Blue Hill Candy Co. 229,895; June 1.
Candies. Bonaci, Inc. 229,537; June 1.
Candy. Chase Candy Company. 225,996; June 1.
Candy. Rowntree and Company. 224,727; June 1.
Candy bars. M. Darmstadter. 230,021; June 1.
Canned crab meat. W. D. Breaker Company. 228,171; June 1.
Canned fish. Pyramid Packing Company. 228,562; June 1.

Canned fruit, apple sauce, fruit salad, jelly, etc. Johnson-Earl-Meyers Company. 217,886; June 1.
Canned fruits. John C. Morgan Company. 229,352; June 1.
Canned fruits, vegetables, and dried fruits. Hunt Brothers Packing Company. 186,478; June 1.
Canned tomatoes and purée. Storen Bros. Packing Company. 229,360; June 1.
Canned vegetables. Atlantic Canning Co. 228,682; June 1.
Canned vegetables. H. C. Baxter & Brother. 225,500; June 1.
Canned vegetables and butter. John Morrell & Co. 229,445; June 1.
Cheese. Galvanoni & Febbraro Co. Inc. 209,840; June 1.
Cheese and preserve cheese. Alpina Knese A. G. (Alpina Cheese Co.) 222,975; June 1.
Cheese, Roquefort. Popper Gray & Co. 220,320; June 1.
Coffee, tea and cocoa. A. Kasper. 183,575; June 1.
Coffee, tea, vanilla and lemon extracts. Mahan Products Company. 227,952; June 1.
Cookies, cakes, and wafers. Paul Schulze Biscuit Co. 222,958–9; June 1.
Crackers. Paul Schulze Biscuit Co. 222,952; June 1.
Dates. Hills Brothers Company. 213,644; June 1.
Feed, Poultry. W. Frank. 229,731; June 1.
Feed, Poultry. Quaker Oats Company. 227,602; June 1.
Flour, Pancake. Fort Smith Cereal Co. 216,385; June 1.
Flour, Plain and self-rising. Lawrenceburg Roller Mills Co. 227,898; June 1.
Flour, Wheat. Bowersock Mills & Power Co. 229,770; June 1.
Flour, Wheat. Cadick Milling Company. 229,616; June 1.
Flour, Wheat. James McDonnell Company. 228,052; June 1.
Flour, Wheat. Threefoot Brothers & Company. 221,933; June 1.
Food-flavoring extracts. J. S. Polefsky. 229,584; June 1.
Frankfurters. O. Stahl, Inc. 229,127; June 1.
Fruits, Dried. Coykendall, Inc. 225,506; June 1.
Fruits, fresh grapes, cantaloupes, and lettuce, Fresh deciduous. T. Strain, jr. 221,390; June 1.
Grapefruit and oranges, Fresh. Texsun Packing Co. 226,262; June 1.
Grapes, citrous fruits, melons, and vegetables, Fresh. F. J. McCann Packing Co. 230,558; June 1.
Gum, Chewing. C. C. Mueller. 227,368; June 1.
Ice cream and ice-cream confection. Frost Kist Ice Cream Co. 218,962; June 1.
Jellies and ice cream. G. W. Anderson. 225,003; June 1.
Lard, ham, and bacon, Pure leaf. Hauser Packing Company. 200,257; June 1.
Macaroon, Imitation. Hartmann Food Product Co. 211,167; June 1.
Milk, Condensed. Perry Milk Products Company. 212,292; June 1.
Oil shortening, Cottonseed-. Armstrong Packing Company. 229,610; June 1.
Oranges and grapefruit, Fresh. Standard Growers Exchange. 211,718–9; June 1.
Paprika. A. Pardo. 225,275; June 1.
Peanut Butter. Reid, Murdoch & Co. 227,852; June 1.
Pimentos, pimento cups, canned and bottled figs, etc. Sylmar Packing Corporation. 226,176; June 1.
Sardines. Sea Pride Canning Co. 230,589; June 1.
Sirup, Table. National Fruit Products Co. 229,248; June 1.
Tomatoes and lettuce, Fresh. N. Nojiri. 229,519; June 1.
Walnuts, almonds, filberts, etc. Hills Brothers Company. 213,643; June 1.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ceiling fan. 1,586,638; June 1.

Abbott, Edward J., Wilton, N. H. Strand-traverse guide. 1,586,767; June 1.

Abbott, Robert H. (See Buchanan, J. R., and Abbott.)

Ackerman, Ernest W., and G. C. Nicholson, Monroe, Mich. Shock absorber. 1,587,207; June 1.

Acme Knitting Machine & Needle Company. (See Murphy, G., and Simond, assignors.)

Actien-Gesellschaft "Weser". (See Müller, Heinrich, assignor.)

Adair, Samuel E., Kansas City, Mo., assignor, by mesne assignments, to Federal Telephone Manufacturing Corporation, Buffalo, N. Y. Electric circuits and means for controlling the same. 1,586,512; June 1.

Adam, René. (See Rébillon, E. L. V., and Adam.)

Adams, Floyd W., Hudson Heights, and K. B. Howell, East Orange, N. J., assignors to The Barrett Company. Process and apparatus for crimping plastic material. 1,587,462; June 1.

Ahlbell Battery Container Corporation. (See Ahlgren, John M., assignor.)

Ahlgren, John M., Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill. Manufacturing containers. 1,587,267; June 1.

Aktiebolaget Ljungstroms Angturbin. (See Ljungstrom, Fredrik, assignor.)

Alcock, Horace E., et al. (See Weber, Isaac E., assignor.)

Allen, Carroll W., New Orleans, La. Box or like article for dry food products. Des. 70,259; June 1.

Allen, Edwin A., assignor to Automatic Material Hoist Company, Chicago, Ill. Transportable elevator. 1,586,768; June 1.

Allen, John, assignor of one-half to R. C. Griswold, Brawley, Calif. Cigar-box moistener. 1,586,938; June 1.

Allen, Thomas M., Torrington, Conn., assignor to Saco-Lowell Shops, Boston, Mass. Creel. 1,586,594; June 1.

Allen, William, assignor of one-half to J. E. Jones, Wilson, Miss. Saw-leveling machine. 1,587,357; June 1.

Allis, H. S. (See Reed, Harold L., assignor.)

Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ring-covering machine. 1,586,639; June 1.

American Creosoting Company. (See Austin, Harold E., assignor.)

American Doucil Company. (See Wheaton, Harold J., assignor.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Optical Company. (See Eaton, William C., assignor.)

American Optical Company. (See Tillyer, Edgar D., assignor.)

American Optical Company. (See Wrighton, William J., assignor.)

American Steel Foundries. (See Williams, William E., assignor.)

American Telephone and Telegraph Company. (See Blackwell, Otto B., assignor.)

American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)

American Telephone and Telegraph Company. (See Taplin, Carleton V., assignor.)

Amsler-Morton Company, The. (See Morton, William A., assignor.)

Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)

Anderson, Axel, Clifton, N. J. Wrench. 1,586,513; June 1.

Anderson, Charles R., Dallas, Tex. Automatic electric controlling device. 1,587,061; June 1.

Anderson, Knute G., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Metallic spool and making the same. 1,586,640; June 1.

Anderson, Nels G., Napa Junction, Calif. Tie plate. 1,587,062; June 1.

Anft, Paul, Bremen, Germany. Manufacturing of buttons. 1,586,731; June 1.

Anhof, Claras, New York, N. Y. Space guide. 1,587,133; June 1.

Antiiotti, William A., assignor of one-half to E. C. Jones, Atlanta, Ga. Vehicle wheel. 1,586,955; June 1.

Anton, Frederick A., Topeka, Kans. Window awning. 1,587,134; June 1.

Anton, Frederick A., Topeka, Kans. Adjustable awning. 1,587,135; June 1.

Appleby, Thomas, Philadelphia, Pa. Variable resistance. 1,587,136; June 1.

Appelman, Isaac, assignor to Premier Specialty Co., Brooklyn, N. Y. Wind-propelled toy. 1,586,641; June 1.

Arbon, Paul. (See Palmer, Benjamin F., assignor.)

Arbon, Paul, Tulsa, Okla. Combined control head and snuffer. 1,586,956; June 1.

Argentographica (U. S. A.) Limited. (See de' Sperati, Mariano, assignor.)

Arms, Leland J., San Francisco, Calif. Dispensing device for interfolded tissue paper. 1,587,463; June 1.

Arndt, John P., South Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Insulator pin. 1,586,642; June 1.

Arnold, Frank F., and C. Kestel, New York, N. Y. Razor-blade knife. 1,587,358; June 1.

Arnott, Robert F., Montclair, N. J. Balanced ball. 1,586,514; June 1.

Askin, Morris W., Washington, D. C. Musical instrument. 1,586,769; June 1.

Atlantic Can Company. (See Smith, Harry K., assignor.)

Austin, Harold E., assignor to American Creosoting Company, Louisville, Ky. Mixing, disintegrating, or homogenizing machines. 1,587,063; June 1.

Automatic Electric Inc. (See Erickson, John and C. J., assignors.)

Automatic Electric Inc. (See Homrighous, John H., assignor.)

Automatic Material Hoist Company. (See Allen, Edwin A., assignor.)

Autopoint Company. (See Dell, Frank C., assignor.)

Avram, M. H., & Company. (See Hackett, Edwin L., assignor.)

Axlrod, Meyer, Philadelphia, Pa. Power and transmission mechanism. 1,586,511; June 1.

Baberadt, Karl. (See Glattfelter, N. G., and Baberadt.)

Bachman, Jacob. (See Case, O. B., Bachman, and Rhoades.)

Badoux, Francis F., Exeter, S. E. Naylor, Dinuba, and F. R. Brann, Visalia, Calif. Vending apparatus for liquids. 1,586,770; June 1.

Baldwin, Clement J. (See Rybin, Blahoslav J., assignor.)

Ball, Joseph A., Jamaica Plain, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematography. 1,586,771; June 1.

Balston, Clyde C., New York N. Y. Word-writing machine. 1,587,137; June 1.

Bankers Trust Company, executor. (See Moskowitz, Morris.)

Barber, Thoss I. (See Epps, Joseph, assignor.)

Bargagni, Angelo J., Washington, D. C. Silent salesman rack for newspapers, magazines, etc. 1,587,359; June 1.

Barker, John C., assignor of one-half to M. L. Simpson, London, England. Divisible rim for vehicle wheels. 1,587,360; June 1.

Barrett Company, The. (See Adams, F. W., and Howell, assignors.)

Barrett Company, The. (See King, Walter W., assignor.)

Barrett, Floyd A., Dallas Center, Iowa. Exhaust-manifold attachment. 1,587,208; June 1.

Barringer, Worth R., assignor of one-eighth to J. E. Jones, Denver, Colo. Swimming device. 1,586,595; June 1.

Barrows, Robert Y., Inc. (See Barrows, Robert Y., assignor.)

Barrows, Robert Y., Rutherford, N. J., assignor to Robert Y. Barrows, Inc. Phonograph. 1,586,596; June 1.

Bart, Blasius, East Orange, N. J. Forming electroplated articles and apparatus therefor. 1,587,268; June 1.

Barton, Bruce R., San Jose, Calif. Pump. 1,587,361; June 1.

Basch, David, Schenectady, N. Y. and G. B. Gerhart, Govanstown, Md., assignors to General Electric Company. Composite-metal article. 1,587,362; June 1.

Bason, George F., Ithaca, N. Y. Ampere-hour meter. 1,586,643; June 1.

Bassett, William W. (See Santon, E. A., and Bassett.)

Bassick Manufacturing Company, The. (See Fesler, Douglas F., assignor.)

Batting, John T., Plymouth, Mass. Picker stick for looms. 1,586,644; June 1.

Bauer, Josef, Starnberg, near Munich, Germany. Collapsible water vehicle. 1,587,209; June 1.

Baum, Erich. (See Herrmann, W. O., and Baum.)

Bayard Manufacturing Corporation. (See Willners, John A., assignor.)

Beaumont, Joseph, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Ramp-governed circuit controller. 1,586,772; June 1.

Beauvais, Ernest J. (See Nail, T. O., and Beauvais.)

Beck-Frils, Ebbe C. (See Thorsaell, C. T., Beck-Frils, and Edlundh.)

Beebe, Murray C., and A. Murray, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Natural-resin photographic medium and process. 1,587,271; June 1.

Beebe, Murray C., and A. Murray, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Photographic media and process. 1,587,274; June 1.

Beebe, Murray C., A. Murray, and H. V. Herlinger, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Synthetic resins, photographic process, and media. 1,587,269; June 1.

Beebe, Murray C., A. Murray, and H. V. Herlinger, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Condensation photographic process, media, and preparing same. 1,587,270; June 1.

Beebe, Murray C., A. Murray, and H. V. Herlinger, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Synthetic resins, photographic process, photographic media, and preparing same. 1,587,272; June 1.

Beebe, Murray C., A. Murray, and H. V. Herlinger, Cincinnati, Ohio, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Synthetic resins, photographic process, media, and preparing same. 1,587,273; June 1.

Beecher, Milton F., and A. E. Olson, assignors to Norton Company, Worcester, Mass. Tunnel-kiln car. 1,587,210; June 1.

Beghetti, Peter, San Francisco, Calif. Wire cutter. 1,587,464; June 1.

Behn, Adolph, and J. G. Schmitt, New York, N. Y. Internal-combustion engine. 1,587,275; June 1.

Behnke, George W. (See Soldan, L. E., and Behnke.)

Behrman, Marcus B., New York, N. Y. Milk-bottle opener. 1,587,490; June 1.

Bell, John F., Pleasant Hill, Mo. Anchor. 1,586,957; June 1.

Bement, John W., Denver, Colo. Luggage rack. 1,586,939; June 1.

Bendix Brake Company, The. (See Price, Jacob L., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, R. B., and Warner, assignors.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See McClatchie, Stanley, assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter device. 1,587,138; June 1.

Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. 1,586,958; June 1.

Bennett, Edny D., Mound City, Kans. Folded-paper support and guiding attachment for typewriters. 1,587,465; June 1.

Bennett, John C., et al. (See Haubert, Leo, assignor.)

Benz, Henry, Newark, N. J., assignor to Meyer & Gross. Finger ring. Des. 70,260; June 1.

Benza, Felice. (See Zinke, A., and Hanselmayer, assignors.)

Berry, Herbert H., London, England. Imitation fire. 1,586,597; June 1.

Bethlehem Steel Company. (See Schenck, Charles, assignor.)

Betts, Walter L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric switch. 1,587,139; June 1.

Beuthien, Carl. (See Jones, Everett R., assignor.)

Bierman, William, New York, N. Y. Method of and means for treating animal tissue to coagulate the same. 1,586,645; June 1.

Biggs, Robert H., St. Catharines, Ontario, Canada. Garter. 1,587,211; June 1.

Bireley, Frank W., Los Angeles, Calif. Beverage bottle. Des. 70,261; June 1.

Blackburn, Jasper, Webster Groves, Mo. Preselecting and shifting device for transmissions. 1,586,515; June 1.

Blackwell, Otto B., Plandome, N. Y., assignor to American Telephone and Telegraph Company. Attenuation-controlling device. 1,587,363; June 1.

Blevin, Frederick L., Jersey City, N. J., and A. D. Ferguson, Brooklyn, N. Y. Cardboard-box knife. 1,586,646; June 1.

Blackie, John S., Yuba City, Calif. Ditching machine. 1,586,940; June 1.

Blake, Abbie, Grosse Pointe, Mich. Washing-machine attachment. 1,586,516; June 1.

Blake, Charles F., Watertown, assignor to Prentiss Vise Company, Inc., New York, N. Y. Shaft collar. 1,586,959; June 1.

Blakely, William W., Dexter, Mich. Anchorage device for vehicles. 1,586,773; June 1.

Bleasdell, John T., Kingsley, Iowa. Wheel guard for cultivators. 1,587,276; June 1.

Blount, Nelson, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone head set. 1,587,140; June 1.

Blumenscheit, Max, Port Monmouth, N. J. Heat retainer for automobile engines. 1,586,598; June 1.

Bobbé, Dorothie, New York, N. Y. Powder box. 1,587,009; June 1.

Boger, Robert C., Philadelphia, Pa. Softening, spinning, and twisting artificial silk. 1,586,647; June 1.

Bobier, Ernst, Rosselange, France. Vertical heating furnace. 1,586,599; June 1.

Boirault, Louis, Paris, France. Momentum brake for railway vehicles. 1,587,364; June 1.

Bolen, Charles C., Danville, Va., assignor to Draper Corporation, Hopedale, Mass. Temporary cloth-roll support for looms. 1,586,600; June 1.

Bolling, John E., Newark, N. J. Air humidifying and cleaning apparatus. 1,587,277; June 1.

Bonneau, Isaac, assignor of one-half to P. H. Taddey, Wauwatosa, Wis. Clothesline fastener. 1,587,141; June 1.

Boone, Daniel and D. Sevier, Muskogee, Okla. Player piano. 1,587,365; June 1.

Boorum & Pease Company. (See Von Auw, A., and Finley, assignors.)

Booth, James W. (See Gay, A., and Booth.)

Booth, William N., Detroit, Mich. Driving lug for demountable rims. 1,587,142; June 1.

Booty, Philip C., Chicago, Ill. Carburetor. 1,586,601; June 1.

Borchert, Albert A., Guadalupe, Tex. Truck. 1,587,366; June 1.

Borne, Louis A., Milwaukee, Wis. Doorcheck. 1,587,367; June 1.

Borschel, Alfred F., Buffalo, N. Y. Change-speed gearing. 1,587,278; June 1.

Bott, Edgar S., and A. S. Funk, assignors to La Crosse Rubber Mills Co., La Crosse, Wis. Gusseted footwear and making the same. 1,586,774; June 1.

Boulade, Antonin, Lyon, France. Automatic altimetric correcting apparatus for carburetors of aircraft engines. 1,586,648; June 1.

Bowen, Bertina L., Hollywood, Calif. Educational device. 1,586,960; June 1.

Bower, John W., Killbuck, Ohio. Stranler. 1,587,493; June 1.

Bowman, Oliver S., Colorado Springs, Colo. Rotary expansion engine. 1,586,775; June 1.

Bradford, Zerbe C., assignor to Dayton Engineering Laboratories Company, Dayton, Ohio. Engine-starting apparatus. 1,587,212; June 1.

Bradley, William W., assignor of one-third to F. F. Coleman and one-third to W. C. Coleman, Detroit, Mich. Window construction. 1,586,776; June 1.

Brann, Frank R. (See Badoux, F. F., Neylor, and Brann.)

Braze, J. J., Co. (See Levitan, Nathan A., assignor.)

Bridges, James E., Alameda, Calif. Electrical measuring instrument. 1,586,649; June 1.

Bridge, James R., Los Angeles, Calif. Air-cooling device. 1,586,941; June 1.

Bried, Julien A., Oakland, Calif. Child's toddler type of vehicle. 1,586,942; June 1.

Briggle, Daniel, Bloomdale, Ohio. Bridle attachment. 1,586,602; June 1.

Briggs, Arthur J., Syracuse, N. Y., assignor to National Carbon Company, Inc. Electrical switch. 1,586,650; June 1.

British Lighting and Ignition Company, The. (See Hutton, James C., assignor.)

Brothers, Edwin S., Brooklyn, N. Y. Water motor. 1,586,777; June 1.

Brown, Arthur G., Manchester, England. Apparatus for the manufacture of electric cables. 1,586,943; June 1.

Brown, Augustin E., Jacksonville, Fla. Device for washing and sterilizing glasses and cups. 1,587,213; June 1.

Brown, Carl A., East Cleveland, and A. C. Nielsen, Cleveland, Ohio, assignors to General Electric Company. Automatic glass-blowing machine. 1,587,466; June 1.

Brown, David W., Akron, N. Y. Core for forming apertures in molded blocks and the like. 1,586,603; June 1.

Brown, William H., Pittsburgh, Pa. Internal-combustion engine. 1,586,778; June 1.

Brunner, Harold E., Mamaroneck, N. Y., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Bearing mounting. 1,586,779; June 1.

Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal nut lock. 1,587,064; June 1.

Buchanan, Jerome R., and R. H. Abbott, Los Angeles, Calif. Body frame for lighting fixtures. Des. 70,262; June 1.

Buckley, John E., Needham, Mass. Hanger for conductor pipes. 1,587,143; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Long submarine telegraph cable for operation at high speed. 1,586,874; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuously loaded submarine cable. 1,586,875; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power-limiting method and apparatus. 1,586,876; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,586,877; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine-cable telegraphy. 1,586,961; June 1.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Induction apparatus. 1,586,962; June 1.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd, Lester E., Philadelphia, Pa. Grate structure. 1,586,963; June 1.

Builders Iron Foundry. (See Connet, Frederick N., assignor.)

Bulfer, Hayes S., Garden City, Minn. Harrow cart. 1,587,467; June 1.

Bulger, Michael H., Beaver Dam, Wis. Detachable drinking bowl. 1,586,780; June 1.

Bull, Adam D., assignor to Home Radiator Cabinet Co., Incorporated, Chicago, Ill. Radiator casing. 1,586,604; June 1.

Bullock, Charles A. H., London, England. Printing press. 1,586,651; June 1.

Burcher, Clarence L., New York, N. Y. Soap cake. 1,587,279; June 1.

Burk, Henry L., Milwaukee, Wis. Antiglare device. 1,587,144; June 1.

Burke, James L., Weehawken, N. J. Package, wrapper therefor, and opening the same. 1,587,280; June 1.

Burkey, Daniel, and A. R. Burtnett, Johnstown, Pa. Cigarette case. 1,587,468; June 1.

Burkhardt, Harry L., assignor to Ruckstell Sales & Manufacturing Company, Berkeley, Calif. Planetary-gear mechanism. 1,586,944; June 1.

Burnham, Brancil R., Whitney, S. C. Stair structure. 1,587,281; June 1.

Burrill, Walter S., et al. (See Walen, Ernest D., assignor.)

Burtnett, Addison R. (See Burkey, D., and Burtnett.)

Butler, Arthur C., Boston, Mass. Drawing mechanism. 1,586,605; June 1.

Butler, Roy R., et al. (See Rapp, Wm. M., assignor.)

Bryne, Charles F. S., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil shield for motor-vehicle power plants. 1,587,214; June 1.

Caille, Arthur J., and T. L. Smith, Detroit, Mich. Marine motor. 1,586,517; June 1.

Cain, Ira L., Wichita Falls, Tex. Finger ring. 1,586,606; June 1.

California Refrigeration Mfg. Co. (See Olsen, Henning, assignor.)

Calkins, James M., Chicago, Ill., assignor to Scott Head Lamp Control, Miami, Fla. Dirigible headlight for vehicles. 1,586,945; June 1.

Campagna, Rebecca L., Brooklyn, N. Y. Lamp base or pedestal. 1,587,469; June 1.

Campbell, Carleton W., assignor to Moll Manufacturing Company, Denver, Colo. Electric tube-plate vulcanizer. 1,587,282; June 1.

Campbell, Charles H., Lynn, Mass. Tanned leather, filler therefor, and process relating thereto. 1,586,964; June 1.

Campbell, Frank J., Youngsville, Pa. Detachable motor crank. 1,587,470; June 1.

Cannon, James H., Los Angeles, Calif. Make and break device. 1,586,652; June 1.

Cant, David A. (See Taylor, Roy, assignor.)

Capitol Brass Works. (See Noble, Benjamin, assignor.)

Caples, Joseph A., Albuquerque, N. Mex. Tie. 1,587,471; June 1.

Carafilidis, James, Sabraton, W. Va., assignor of three-tenths to J. Delas, Greensburg, Pa., and one-fifth to V. Savidis, Morgantown, W. Va. Tin opener. 1,586,607; June 1.

Carey, Elmer H., Clifton, N. J. Antiskid device. 1,587,283; June 1.

Carlson, Oscar F. (See Wilson, F. D., Livesay, and Carlson.)

Carnegie, William G., Chicago, Ill. Building construction. 1,587,145; June 1.

Carr, Emroy A., Scotia, Wash. Shingling gauge. 1,586,946; June 1.

Carr Fastener Company. (See Stevens, Seriah, assignor.)

Carr, Fred M., Winchester, Mass. Metal strip. Des. 70,263; June 1.

Carrier, Hermenegilde, assignor to G. W. J. Murphy Company, Amesbury, Mass. Door latch. 1,587,472; June 1.

Carver, George W., East Orange, N. J. Wheeled toy. 1,586,608; June 1.

Case, Oscar B., J. Bachman, and R. E. Rhoades, Williamsport, Pa. Receptacle closure. 1,586,781; June 1.

Caughlan, John H., Oakland, Calif. Printing ink. 1,586,947; June 1.

Chamberlain, William H. (See Embury, W. C., and Chamberlain.)

Chance, Henry M., Philadelphia, Pa. Method and apparatus for thickening mixtures and clarifying liquids. 1,586,609; June 1.

Chance, Henry M., Philadelphia, Pa. Method and apparatus for clarifying liquids and thickening mixtures. 1,586,610; June 1.

Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Scale case. 1,587,146; June 1.

Chatillon, John, & Sons. (See Chatillon, George E., assignor.)

Chemical Treatment Company, Inc. (See Fink, C. G., and Eldridge, assignors.)

Chemische Fabrik Griesheim-Elektron. (See Laska, A. L., and Weber, assignors.)

Chemische Fabrik Griesheim-Elektron. (See Laska, A. L., and Zitscher, assignors.)

Chemische Fabrik Griesheim-Elektron. (See Merkel, Franz, assignor.)

Chemische Fabrik Griesheim-Elektron. (See Zitscher, Arthur, assignor.)

Chicago Electrotype and Stereotype Company. (See Hoff, Harry G., assignor.)

Chicago Flexible Shaft Company. (See Sjolin, Ernest, assignor.)

Chicago Pneumatic Tool Company. (See Hoffman, Leon F., assignor.)

Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)

Chriswell, Frederick W., Seattle, Wash. Bolster plate. 1,586,782; June 1.

Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)

Clapp, Elwood I., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Absolute-alcohol process. 1,586,732; June 1.

Clark, Benjamin F., Pueblo, Colo. Building construction. 1,587,473; June 1.

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,586,518; June 1.

Clark, Frederick J., Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing implement. 1,586,611; June 1.

Clark, J. L., Manufacturing Co. (See Anderson, Knute G., assignor.)

Clark, John M., Whitestone, N. Y. Treatment of storage-battery gases. 1,587,147; June 1.

Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Routing machine. 1,587,065; June 1.

Cleveland Folding Machine Company. (See Shipley, John H., assignor.)

Clokey, Allison A. (See Gilbert, J. J., and Clokey.)

Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,586,878; June 1.

Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,586,965; June 1.

Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Synchronizing system. 1,586,966; June 1.

Conts, Lee B. (See Schwier, William, assignor.)

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo. Locking hose connection fixtures of oxyacetylene torches. 1,587,148; June 1.

Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Drop-pit mechanism for unwheeling locomotives. 1,586,783; June 1.

Cohn, Aaron, Toronto, Ontario, Canada. Doll and the like. 1,587,215; June 1.

Coleman, Franklin F., et al. (See Bradley, William W., assignor.)

Coleman, William C., et al. (See Bradley, William W., assignor.)

Coley, Walter R., assignor to Leeds & Northrup Company, Philadelphia, Pa. Galvanometer. 1,587,010; June 1.

Collins, Francis D. (See Gay, A., and Booth, assignors.)

Collins, John W., Fort Dodge, Iowa. Automatic seat raiser. 1,587,216; June 1.

Coloder Company, The. (See Newdick, Norton A., assignor.)

Colonial Metal Spinning & Stamping Co. (See Leabowitz, Benjamin, assignor.)

Common Sense Crowner Company. (See Gaynor, John J., assignor.)

Connelly, Lawrence E., Cleveland Heights, Ohio. Steam generator. 1,587,066; June 1.

Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Apparatus for and method of metering fluids of high viscosity. 1,586,948; June 1.

Connor, Samuel P., et al. (See Howard, Frank W., assignor.)

Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless transmission system. 1,586,653; June 1.

Conrader, Rudolph, Erie, Pa. Radiator cooler. 1,587,284; June 1.

Conrader, Rudolph, Erie, Pa. Transformer cooler. 1,587,285; June 1.

Consortium für Elecktrochemische Industrie. (See Herrmann, W. O., and Baum, assignors.)
Continental Paper & Bag Mills Corporation. (See Swab, Jay G., assignor.)
Conway, Elisha A., Williamsport, Pa. Combined chalk line and plumb bob. 1,586,654; June 1.
Cook, Asa S., Company, The. (See Crosby, Reuben S., assignor.)
Cook, John W., Avalon, Pa. Closet-valve structure. 1,586,655; June 1.
Corbett, Alfred H., and H. Pounds, Winter Garden, Fla. Harrow. 1,586,612; June 1.
Corey, Frank W., Mobridge, S. Dak. Clip. 1,586,656; June 1.
Cotchett, Louis M., West Newton, assignor to The Stafford Company, Readville, Boston, Mass. Picker check. 1,587,149; June 1.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Controlling apparatus for pneumatic-dispatch systems. 1,586,949; June 1.
Cox, Stephen A. D. (See Meredith, W., and Foster, assignors.)
Craft, Edwin M., Indianapolis, Ind. Jewelry stone. Des. 70,264; June 1.
Craft, Edwin M., Indianapolis, Ind. Jewelry stone. Des. 70,265; June 1.
Craig, Arthur A., Chicago, Ill. Window ventilator. 1,586,519; June 1.
Crankless Engines Limited. (See Sherman, Thomas L., assignor.)
Crawford, McGregor and Canby Company, The. (See Mattern, George W., assignor.)
Creech, John S., Aberdeen, Wash. Pile yoke for pile drivers. 1,586,784; June 1.
Cremer, Agnes H. C. (See Gold, J., and Cremer.)
Crickmer, Charles S., assignor to The Gulberson Corporation, Dallas, Texas. Piston packing. 1,586,967; June 1.
Crickmer, Charles S., assignor to The Gulberson Corporation, Dallas, Tex. Deflector for slip-actuating weights. 1,586,968; June 1.
Crickmer, Charles S., assignor to The Gulberson Corporation, Dallas, Tex. Deflector for slip-actuating weights. 1,586,969; June 1.
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Santon, E. A., and Bassett, assignors.)
Crosby, Reuben S., assignors to The Asa S. Cook Company, Hartford, Conn. Tool support for metal-cutting machines. 1,587,011; June 1.
Crosby, William S., Manitou, Colo. Jar. Des. 70,266; June 1.
Cross, Roy, Kansas City, Mo. Treating hydrocarbons. 1,587,491; June 1.
Crouse-Hinds Company. (See Pearson, J. T., and Olley, assignors.)
Curtain Supply Company. (See Holt, Thomas W., assignor.)
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine-cable telegraph system. 1,586,879; June 1.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,586,970; June 1.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,586,971; June 1.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,586,972; June 1.
Curtis, Edward E., Lakewood, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush. 1,586,785; June 1.
Cutler-Hammer Mfg. Co., The. (See Fernow, Bernhard E., assignor.)
Dalman-Chiles Company. (See Dalman, John W., assignor.)
Dalman, John W., assignor to Dalman-Chiles Company, Chicago, Ill. Side-frame structure. 1,587,286; June 1.
Dalrymple, Philip W., Newton, assignor to Samson Cordage Works, Boston, Mass. Braiding machine. 1,587,150; June 1.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Crank-shaft-indexing machine. 1,587,217; June 1.
Dandy, Edward C., and W. Tugwell, Baltimore, Md. Braider tension. 1,587,474; June 1.
Daniel, Joe B., jr., Woodland, Ga. Grease cup. 1,587,067; June 1.
Davidse, Solomon, Wheeling, W. Va. Inductive loop antenna. 1,586,657; June 1.
Davies, John W., Reading, Mass. Snowplow attachment for automobiles. 1,586,786; June 1.
Davis, Irwin, Kirksville, Mo. Suction ventilator. 1,586,658; June 1.
Davis, John E., Brooklyn, N. Y. Sound-amplifying means. 1,586,659; June 1.
Davis, Matthew L., jr., Oak Grove, Ala. Reciprocating engine. 1,586,973; June 1.
Davis, R. E., et al. (See Holloman, Daniel B., assignor.)
Davis, Richard C., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,586,520; June 1.
Davis, Rulon H., Salt Lake City, Utah. Folding umbrella. 1,587,475; June 1.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 70,267; June 1.
Dayton Engineering Laboratories Company. (See Bradford, Zerbe C., assignor.)
De Camp, William E., Macomb, Ill. Guide for sash weights. 1,587,218; June 1.
De Forest Radio Telephone & Telegraph Co. (See Hunter, Frederick L., jr., assignor.)
De Simone, Crescenzo. (See Wurf, Sigmund, assignor.)
De' Sperati, Mariano, Turin, Italy, assignor to Argentographica (U. S. A.) Limited, London, England. Photocollographic printing plate and making the same. 1,587,220; June 1.
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Diagnostic instrument. 1,587,151; June 1.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Dean, Harvey O., et al. (See Rapp, William M., assignor.)
Deere & Company. (See Wilson, F. D., Livesay, and Carlson, assignors.)
Degener, Edward K., Santa Ana, Calif. Cushion coupling. 1,586,880; June 1.
Degener, Edward K., Santa Ana, Calif. Cushion coupling. 1,586,881; June 1.
Delas, James, et al. (See Carafilidis, James, assignor.)
Dell, Frank C., assignor, by mesne assignments to Autopoint Company, Chicago, Ill. Mechanical pencil. 1,586,521; June 1.
Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 1,586,522; June 1.
Denman, Ira O., Toledo, Ohio. Hand grip for golf clubs or the like. 1,587,287; June 1.
Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Steering-gear assembly. 1,587,219; June 1.
Devlin, Joseph P., Seattle, Wash. Flour sifter. 1,586,974; June 1.
Devlin, William J., Philadelphia, Pa. Balanced valvular throttle mechanism for pneumatic hammers. 1,587,368; June 1.
Di Giovanni, Gaetano, New York, N. Y. Belt life guard. 1,587,476; June 1.
Diamond Power Specialty Corporation. (See Richards, Joseph C., assignor.)
Dickerson, Ernestus S., Fullerton, La. Crank-case front bearing and spring clip. 1,586,882; June 1.
Dicklnson, Neville S. (See Norton, C., Dicklnson, and Gustafson.)
Diescher, S., & Sons. (See Diescher, Samuel E., assignor.)
Diescher, Samuel E., Wilklnsburg, assignor to S. Diescher & Sons, Pittsburgh Pa. Mill for piercing billets. 1,586,975; June 1.
Diggs, George D., Knoxville, Tenn. Speedometer drive mechanism. 1,586,976; June 1.
Dinehart, William H., Hudson, N. Y. Golf-ball-cleaning device. 1,587,068; June 1.
Disch, William A., Chicago, Ill. Oiling device for valve-guide bushings. 1,586,613; June 1.
Disken, Gilbert, Brooklyn, N. Y. Anklet. Des. 70,268; June 1.
Dodds, Rowan, T. F., Welland, Ontario, Canada. Mine-ventilating system. 1,586,660; June 1.
Doherty, Henry L., & Company. (See Griswold, John W., assignor.)
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Machine for making tubular wrappers for coins, etc. 1,586,977; June 1.
Dooly, John S., St. Louis, Mo. Pie pan. 1,587,288; June 1.
Dorer, Oscar H., Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Centrifugal pump. 1,586,978; June 1.
Doucette, Israel, Fall River, Mass. Weaving-shuttle-refinishing machine. 1,586,614; June 1.
Dougan, Archie F., Cochran, Oreg. Spring undercutter. 1,586,662; June 1.
Dougan, Archie F., assignor of forty-nine one hundredths to P. Hansen, Cochran, Oreg. Rough and slick jointer for filing saws. 1,586,661; June 1.
Dougherty, Frank H., Philadelphia, Pa. Radiator valve. 1,586,057; June 1.
Draper Corporation. (See Bolen, Charles C., assignor.)
Draper Corporation. (See Poirrier, George, assignor.)
Drury, Walter C. (See Schuler, F. M., and Drury.)
Dryden, William W., assignor to W. F. Stimpson, Louisville, Ky. Obstruction release for grinding machines. 1,587,104; June 1.
Du Brul, Clarence J., Cincinnati, and J. F. Sees, Norwood, assignors to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio. Material-feeding device for tobacco machines. 1,587,477; June 1.
Du Brul, Clarence J., Cincinnati, and J. F. Sees, Norwood, assignors to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio. Cigar-bunch machine. 1,587,478; June 1.
Duffey, W. R., et al. (See McCombs, Charles C., assignor.)
Dugdill, John, Hazel Grove, near Stockport, England. Movable support for electric lights, gas, and other purposes. 1,586,979; June 1.
Dungey, John W., Peckham, London, England. Telephone receiver. 1,587,289; June 1.

Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Radiator trap. 1,586,788; June 1.
Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)
Du Pont, Eleuthere P., Montchanin, Del. Air cleaner for automobile carburetors. 1,586,980; June 1.
Durocher, Thomas L., Detour, Mich. Rock grab. 1,587,479; June 1.
Dyer, Harry W., New York, N. Y. Child's vehicle. Des. 70,269; June 1.
Eagle Wagon Works. (See Humphrey, Alonzo L., assignor.)
Eastwood, Richard, Colne, England. Key action of upright pianofortes. 1,586,547; June 1.
Eaton, William C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,587,105; June 1.
Eckert, Grandon E., assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Strain clamp. 1,587,480; June 1.
Eckstein, Frank and L., Chicago, Ill. Ash sifter. 1,587,221; June 1.
Eckstein, Louis. (See Eckstein, Frank and L.)
Edelman, Philip E., New York, N. Y. Apparatus for automatic preparation of products. 1,587,106; June 1.
Edlundh, Ernst E. D. (See Thorssell, C. T., Beck-Friis, and Edlundh.)
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Edwards, George D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Public-address system. 1,587,107; June 1.
Edwards, Howard A., Cedartown, Ga. Cone-winding mandrel. 1,587,222; June 1.
Edwards, Victor E., West Boylston, assignor to Morgan Construction Company, Worcester, Mass. Handling and conveying hot-metal stock. 1,587,069; June 1.
Eichenberger, Rudolf, Zurich, Switzerland. Process and device for producing permanent waves in the hair. 1,586,663; June 1.
Eldridge, Charles H. (See Fink, C. G., and Eldridge.)
Elevator Supplies Company, Inc. (See Norton, C., Dicklnson, and Gustafson, assignors.)
Elley, Alfred C., Beloit, Wis. Radiator-cap condenser. 1,586,733; June 1.
Ellingsworth, Joseph H., East Moline, Ill. Parachute apparatus. 1,586,664; June 1.
Elliott, Samuel F., Knightstown, Ind. Adjustable screen-door hinge. 1,586,615; June 1.
Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Railway-car truck. 1,586,789; June 1.
Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Railway-car truck. 1,586,790; June 1.
Ellis, E. M., et al. (See Odom, Leland L., assignor.)
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading of signaling conductors. 1,586,883; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,586,884; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,586,885; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,586,886; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductively loading signaling conductors. 1,586,887; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Applying metallic sheathing to metallic cores. 1,586,888; June 1.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic structure and method of manufacture. 1,586,889; June 1.
Embury Manufacturing Company. (See Embury, W. C., and Chamberlain, assignors.)
Embury, William C., and W. H. Chamberlain, assignors to Embury Manufacturing Company, Warsaw, N. Y. Electric lantern. 1,586,616; June 1.
Endicott Johnson Corporation. (See Teetsal, Richard M., assignor.)
Entriken, Emmett W., Baltimore, Md. Shoe clamp. 1,586,981; June 1.
Epps, Joseph, assignor of one-half to T. I. Barber, Williamston, S. C. Let-off attachment for looms. 1,586,982; June 1.
Eras, Vincent J. M., Dordrecht, Netherlands. Safety lock. 1,587,108; June 1.
Erickson, Charles J. (See Erickson, John and C. J.)
Erickson, John and C. J., assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Switching apparatus for telephone-exchange systems. 1,586,890; June 1.
Erickson, Vernon G., and C. A. Goodbaudy, Yuma, Colo. Paintbrush. 1,587,481; June 1.
Erie Pump & Engine Works. (See Swett, R. F., and Neel, assignors.)
Etheridge, Harry, Zelienople, Pa. Fastening railway rails to their supports. 1,586,617; June 1.
Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Folding machanism. 1,587,070; June 1.
Everlasting Valve Company. (See Wilson, Wylie G., assignor.)
Ey, Gustav, New York, N. Y. Corner building block. 1,587,482; June 1.
Fairbanks, Morse & Co. (See McFarlane, B. A., and Goldberg, assignors.)
Fairchild Aerial Camera Corporation. (See Henry, Ferdinand G., assignor.)
Faith Products Corporation, et al. (See Faith, S., and Hoffberg, assignors.)
Faith, Stephen and L. Hoffberg, Chicago, Ill., assignors of one-half to Faith Products Corporation, Chicago, Ill., and one-half to Globe Specialty Company. Locking device for radiator caps and the like. 1,586,791; June 1.
Fanders, Marten, Diller, Nebr. Incubator. 1,587,290; June 1.
Farasey, James, Cleveland Heights, Ohio. Apparatus for screening and grading materials. 1,587,291; June 1.
Farmer, John L., Chicago, Ill. Automatic-retaining valve for air brakes. 1,586,891; June 1.
Farquhar, Louis W., New York, N. Y. Game. 1,586,983; June 1.
Federal Telephone Manufacturing Corporation. (See Adair, Samuel E., assignor.)
Felice Bensa. (See Zinke, Alois, assignor.)
Fellows Gear Shaper Company, The. (See Stubbs, Everard, assignor.)
Ferguson, Andrew D. (See Blevin, F. L., and Ferguson.)
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,586,618; June 1.
Ferngren, Enoch T., assignor to The Lebbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for supplying molten glass to a sheet-drawing machine. 1,586,619; June 1.
Ferngren, Enoch T., assignor to The Lebbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for continuously drawing sheet glass. 1,586,620; June 1.
Fernow, Bernhard E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Handling apparatus. 1,587,109; June 1.
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Soil pulverizer. 1,587,223; June 1.
Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,587,292; June 1.
Fink, Colin G., New York, N. Y., and C. H. Eldridge, Metuchen, N. J., assignors, by mesne assignments, to Chemical Treatment Company, Inc., New York, N. Y. Golf club. 1,587,293; June 1.
Finley, Charles A. (See Von Auw, A., and Finley.)
Finley, Charles W. (See Greusel, L. R., and Finley.)
Fischer, Albert C., Chicago, Ill. Paper-roofing machine. 1,586,892; June 1.
Fisher, Henry W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Method and apparatus for impregnating cables. 1,587,110; June 1.
Fisher, J. M., Company. (See Spettigue, Edward H., assignor.)
Fisk Rubber Company, The. (See MacAleese, Frederic L., assignor.)
Fitz Hugh, Mayo M. (See Heard, E. F., and Fitz Hugh.)
Fitzgibbon, John E., Milwaukee, Wis., assignor to Phoenix Hosiery Company. Reversible-top hose. Re16,358; June 1.
Flake, Robert B., Lexington, N. C. Mop or similar holder. 1,587,483; June 1.
Flauder, Alfred J., assignor to Weidlich Sterling Spoon Co., Bridgeport, Conn. Spoon or similar article. Des. 70,270; June 1.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Spoon or similar article. Des. 70,271; June 1.
Fleming, Albert J., Scranton, Pa. Railway-switch guard. 1,586,734; June 1.
Flowers, Alphonso, Jackson, Tenn. Broom handle. 1,587,369; June 1.
Flowers, Edward B., and N. E. Stump, Akron, Ohio. Nut lock. 1,586,792; June 1.
Floyd, Frank M., Dallas, Tex. Apparatus for refining hydrocarbon materials. 1,587,370; June 1.
Fogler, George L., Tulsa, Okla. Treating mineral oils. 1,587,111; June 1.
Folts, Erton T., Creswell, Oreg. Display tray. 1,586,665; June 1.
Folts, Erton T., Creswell, Oreg. Display tray for bar or package confections. 1,586,666; June 1.
Foltyn, Peter, New York, N. Y. Stove. 1,586,548; June 1.
Fonseca, Belizario de A., Sao Paulo, Brazil. Drawing apparatus of roving and spinning frames. 1,586,735; June 1.
Foote, James H., Cincinnati, Ohio. Weather strip. 1,586,736; June 1.

Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,587,371; June 1.

Foster, Ernest H., Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Header connection. 1,586,984; June 1.

Foster, Walter L. (See Meredith, W., and Foster.)

Foulk, Vanton O. (See Toupet, J. H., and Foulk.)

Fournier, Albert A., Ottawa, Ontario, Canada. Cuff-stretching device. 1,586,667; June 1.

Fowler, Harry R., Toledo, Ohio. Coupling. 1,586,793; June 1.

Franco Corset Company. (See Frankel, Herbert, assignor.)

Frankel, Herbert, assignor to Franco Corset Company, Inc., New York, N. Y. Combination garment for feminine wear. Re16,357; June 1.

Franklin Simon & Co. (See Davis, Taube, assignor.)

Fransès, Samuel M., Paris, France. Loud-speaking telephone. 1,587,372; June 1.

French Battery Company. (See Riebeth, George H., assignor.)

French, Charles R., Newark, N. J. Radiofrequency transformer. 1,587,373; June 1.

Frick, William, Detroit, Mich. Lamp shade. 1,587,152; June 1.

Frills, Harald T., Red Bank, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Duplex carrier-wave transmitting and receiving system. 1,586,985; June 1.

Fry, Jacob R., assignor to Western Electric Company, Incorporated, New York, N. Y. Alternating-current relay. 1,586,549; June 1.

Frye, Lewis A., Los Angeles, Calif. Gondola for suspended monorailways. 1,586,986; June 1.

Fuller Brush Company, The. (See Van Veen, Anton, assignor.)

Fulton, William H. (See Westinghouse, H. H., and Fulton.)

Funk, Arthur S. (See Bott, E. S., and Funk.)

Funnell, Harry M., Dunellen, N. J. Spring retainer. 1,587,224; June 1.

Fussner, George, Menominee, Mich., assignor to Signal Electric Mfg. Co. Electromagnetic apparatus. 1,586,550; June 1.

Gaar, James M., New York, N. Y. Radiohorn. Des. 70,272; June 1.

Gaar, James M., New York, N. Y. Radiohorn. Des. 70,273; June 1.

Gaar, James M., New York, N. Y. Radiohorn. Des. 70,274; June 1.

Gaar, James M., New York, N. Y. Radiohorn. Des. 70,275; June 1.

Gage, Charles B., Cincinnati, Ohio. Flute. 1,586,794; June 1.

Gallagher, Ellen N., Philadelphia, Pa. Rosette, badge, and the like and the art of making the same. 1,587,294; June 1.

Gammeter, Harry C., Cleveland Heights, Ohio. Wicket golf game. 1,587,295; June 1.

Gansfried, Eugene, Bronx, N. Y. Spring-secured safety valve. 1,587,296; June 1.

Garner, Walter J., Petrolia, Tex. Leak-stopping device. 1,586,668; June 1.

Gassen, Josef, Dusseldorf-Rath, Germany. Rolling mill for pierced or solid metal blanks. 1,587,112; June 1.

Gates, Frederic P., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Electric switch. 1,586,669; June 1.

Gates, William B., Wilkinsburg, Pa. Reversible window. 1,587,297; June 1.

Gatlin, Edward C., Los Angeles, Calif. Tide motor. 1,587,071; June 1.

Gay, Auguste, San Francisco, and J. W. Booth, Piedmont, assignors of one-half to F. D. Collins, San Francisco, Calif. Food product. 1,586,893; June 1.

Gaynor, John J., assignor to Common Sense Crowner Company, Indianapolis, Ind. Bottle-crowner head. 1,587,374; June 1.

Geistert, Albert G., assignor to General Motors Corporation, Detroit, Mich. Tire carrier. 1,587,225; June 1.

General Electric Company. (See Basch, D., and Gerhart, assignors.)

General Electric Company. (See Brown, C. A., and Nielsen, assignors.)

General Electric Company. (See Forsberg, Peter W., assignor.)

General Electric Company. (See Richardson, Ernest L., assignor.)

General Electric Company. (See Selz, Walter, assignor.)

General Electric Company. (See Taylor, Edward, assignor.)

General Electric Company. (See Thomson, Elihu, assignor.)

General Electric Company. (See Wolff, Walther, assignor.)

General Motors Corporation. (See Byrne, Charles F. S., assignor.)

General Motors Corporation. (See Denyes, Harry M., assignor.)

General Motors Corporation. (See Geistert, Albert G., assignor.)

General Motors Corporation. (See Keller, Kaufman T., assignor.)

General Motors Corporation. (See Stouffer, W. F., and Lambert, assignors.)

General Motors Corporation. (See Tenney, Perry L., assignor.)

General Motors Corporation. (See Whitten, Frank A., assignor.)

General Motors Corporation. (See Williams, Charles E., assignor.)

Genest, Homer A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Method of and apparatus for treating felt articles. 1,586,551; June 1.

Gerhart, George B. (See Basch, D., and Gerhart.)

Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Making molded-rubber handwheels. 1,586,737; June 1.

Gignac, Leonidas P., Rock Island, Quebec, Canada. Ditch light. 1,587,375; June 1.

Giesecke, William E. (See Johnston, R. B., and Giesecke.)

Gillis, John H., Gainesville, Tex. Mop head. 1,587,376; June 1.

Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine-cable signaling. 1,586,895; June 1.

Gilbert, John J., Port Washington, N. Y., and A. A. Clokey, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine-cable system. 1,586,894; June 1.

Gilman, George H., Boston, Mass. Drilling machine. 1,587,298; June 1.

Girard, Fritz, Hanau-on-the-Main, Germany. Quartz lamp for medical purposes. 1,586,670; June 1.

Girardet, François, Roussillon, France, assignor to Societe pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Manufacture of artificial filaments. 1,586,552; June 1.

Glaessner, Arthur F., Meriden, Conn., assignor of one-half to The Union Stove Works, New York, N. Y. Gas-cock-locking device for gas ranges. 1,587,226; June 1.

Glanz, David D. (See Solomon, Louis, assignor.)

Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,586,553; June 1.

Glattfelter, Norman G., Drummondsville, Quebec, Canada, and K. Baberadt, Hazleton, Pa., assignors to Louis Roessel & Co., Inc., New York, N. Y. Spinning spindle. 1,587,113; June 1.

Globe Specialty Company, et al. (See Faith, S., and Hoffberg, assignors.)

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Focusing device. 1,586,795; June 1.

Gold, Jennie, Brooklyn, N. Y., and A. H. C. Cremer, Upper Montclair, N. J. Movable figure toy. 1,586,796; June 1.

Goldberg, Morris J. (See McFarlane, B. A., and Goldberg.)

Goodbaudy, Clarence A. (See Erickson, V. G., and Goodbaudy.)

Goodrich, B. F., Company, The. (See Ambler, Robert R., assignor.)

Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,586,554; June 1.

Goodyear Tire & Rubber Company. (See O'Brien, William G., assignor.)

Gordon, Isidore E., and L. Skowreinsky, New York, N. Y. Vehicle switch. 1,586,621; June 1.

Goss Printing Press Company. (See Evensen, William, assignor.)

Goudeau, Wilton J., Driver, Ark. Vending machine. 1,587,114; June 1.

Govers, Francis X., New York, N. Y. Heating method and apparatus. 1,586,987; June 1.

Govers, Francis X. New York, N. Y. Process and apparatus for the heat treatment of chemical compounds. 1,587,115; June 1.

Graham Glass Company, The. (See Lents, John M., assignor.)

Grasselli Dyestuff Corporation. (See Staehlin, Otto, assignor.)

Graves, Albert M., St. Louis, Mo. Shock absorber for vehicles. 1,587,116; June 1.

Graybill, John E., York, Pa. Coffee-urn faucet. 1,587,072; June 1.

Green, Arthur. (See Wilkinson, W., and Green.)

Greenwood, George A., Worcester, Mass., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,587,117; June 1.

Greusel, Louis R., and C. W. Finley, Battle Creek, Mich. Lath support for electric-fixture units. 1,587,118; June 1.

Griffin, Joseph C., Los Angeles, Calif. Bumper-bracket construction. 1,586,988; June 1.

Griswold, John W., Warren, Pa., assignor to Henry L. Doherty & Company, New York, N. Y. Method of and apparatus for controlling the combustion of fuel in furnaces. 1,587,119; June 1.

Griswold, Ray C. (See Allen, John, assignor.)

Grosjean, James E., Lima, Ohio. Sole for boots and shoes. 1,587,377; June 1.

Grossman, Samuel, Fort Wayne, Ind. Bookkeeping appliance. 1,587,299; June 1.

Grossman, Thomas F., Brookville, Pa. Feeder. 1,587,378; June 1.

Gulberson Corporation, The. (See Crickmer, Charles S., assignor.)

Gulliford, Louie E., Bedford, assignor, by mesne assignments, to O. W. Johnson, Geneva, Ohio. Sawing attachment for tractors. 1,586,797; June 1.

Gustafson, Charles J., and F. C. Mock, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,586,671; June 1.

Gustafson, John G. (See Norton, C., Dickinson, and Gustafson.)

Guy-Pell, William, London, England. Cooking apparatus. 1,586,738; June 1.

Hackett, Edwin L., Wyoming, N. J., assignor to M. H. Avram & Company, Inc. Crystal detector. 1,586,672; June 1.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cushion heel. 1,586,555; June 1.

Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mounting for vacuum tubes. 1,587,120; June 1.

Haehler, Theodore. (See Ney, Adolphe H., assignor.)

Hahl, Hans, Elberfeld, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Incorporated, New York, N. Y. Basic phenolalkylethers. 1,587,073; June 1.

Haigh, Lee H., Detroit, Mich. Storage file box. 1,586,673; June 1.

Haines, Edward P., Philadelphia, Pa. Method of and apparatus for distributing cars. 1,586,989; June 1.

Hallberg, William, Los Angeles, Calif. Fireplace. 1,587,227; June 1.

Hallum, Andrew, Whalam, Minn. Tether. 1,587,379; June 1.

Halvorsen, Halbert B., Chicago, Ill., assignor to Sullivan Machinery Company. Pumping system. 1,586,896; June 1.

Hamaker, Rex G., Houston, Tex. Polish-rod clamp. 1,586,622; June 1.

Hammond, Florence I., Chicago, Ill. Ring. Des. 70,276; June 1.

Hanau, Rudolph L., assignor to J. L. Stern, Buffalo, N. Y. Dental articulator. 1,586,739; June 1.

Hankey, John H., assignor to The W. H. Reisner Mfg. Co., Inc., Hagerstown, Md. Magnetic valve for organs and the like. 1,587,380; June 1.

Hanley, William L., jr., Bradford, Pa. Clay tempering and expressing apparatus. 1,587,300; June 1.

Hanley, William L., jr., Bradford, Pa. Bench-sheet-storage platform. 1,587,301; June 1.

Hanselmayer, Franz. (See Zinke, A., and Hanselmayer.)

Hansen, Charles C. and H. V., Forest Park, assignors to Refrigerating Specialties Company, Chicago, Ill. Refrigerating apparatus. 1,586,798; June 1.

Hansen, Herbert V. (See Hansen, Charles C. and H. V.)

Hansen, Peter. (See Dougan, Archie F., assignor.)

Hard, Malcolm, Flushing, assignor to The Superheater Company, New York, N. Y. Controlling device for exhaust-steam injectors. 1,586,557; June 1.

Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control and supervisory system. 1,587,121; June 1.

Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical switching and indicating system. 1,587,122; June 1.

Harmon, Irving J., et al. (See Perkins, William P., assignor.)

Harrington, Bertie S., Fort Worth, Tex. Blending machine. 1,587,302; June 1.

Harrington, Ralph E. (See Jordan, Clayton W., assignor.)

Harris, James E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of electron-discharge devices. 1,586,558; June 1.

Harris, Jonathan W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat treatment of metals. 1,586,897; June 1.

Harrison, Henry P., Syracuse, N. Y. Spline shaft. 1,586,990; June 1.

Hart, Alvin W., administrator. (See Stevens, Ernest A.)

Hart, Austin H., Montclair, N. J., assignor to Rome Radiation Company, Inc., Rome, N. Y. Electrolytic coating apparatus. 1,587,303; June 1.

Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing and recording machine. 1,587,304; June 1.

Hart Manufacturing Company, The. (See Gates, Frederick P., assignor.)

Härtel, Emil, Coswig, Germany. Manufacturing stable pavements. 1,586,674; June 1.

Hartman, George H., Toledo, Ohio. Pop-corn-vending machine. 1,586,950; June 1.

Hartman, John H., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy gas range. 1,587,305; June 1.

Hartman, John H., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy refrigerator. 1,587,306; June 1.

Haslacher, Alfred B., Farmington, Calif. Freezing and transporting perishable food products. 1,586,898; June 1.

Haslinger, Joseph A., Oldsmar, Fla. Advertising sign. 1,587,123; June 1.

Hassler, Robert H., Inc. (See Hassler, Robert H., assignor.)

Hassler, Robert H., assignor to Robert H. Hassler, Inc., Indianapolis, Ind. Rebound check. 1,586,799; June 1.

Hastings, Benjamin J., Taunton, Mass. Side warning for close clearance. 1,587,307; June 1.

Hatcher, Oscar M., Mankato, Minn. Highway marker. 1,587,308; June 1.

Hathaway, Russell, et al. (See Walen, Ernest D., assignor.)

Haubert, Leo, assignor of one-third to J. C. Bennett and one-third to J. A. Wolfe, Tulsa, Okla. Power-delivering attachment for motor vehicles. 1,586,675; June 1.

Havana Commercial Co. (See Rojo y Reyes, Eduardo, assignor.)

Hawley, John B., jr., Fort Worth, Tex. Construction of monolithic structures. 1,586,991; June 1.

Heagle, Harry H. (See Spaulding, I. A., and Heagle.)

Heard, Edmund F., Elizabeth City County, and M. M. Fitz Hugh, assignors to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Head for lathes. 1,586,677; June 1.

Heard, Joseph G., jr., Atlanta, Ga. Toy camera. 1,586,678; June 1.

Heath, Charles, Morris, Ill. Tree-planting device. 1,586,676; June 1.

Heath, Kenneth L., Edmonds, Wash. Hair-retaining device. 1,586,800; June 1.

Hechenbleikner, Ingenuin, and T. C. Oliver, Charlotte, N. C. Method of and apparatus for continuously separating petroleum sludge. 1,586,801; June 1.

Heck, George D., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental chair. 1,586,740; June 1.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cushion heel. 1,586,556; June 1.

Heidelberg, Victor, Bensberg, and R. Müller, Koln-Deutz, Germany. Method of and device for operating internal-combustion engines. 1,586,623; June 1.

Heim Grinder Company, The. (See Heim, Lewis R., assignor.)

Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Apparatus for producing ground articles. 1,586,523; June 1.

Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Constant-frequency system. 1,586,524; June 1.

Helfrick, Otto H., assignor of one-half to H. O. Putt, Elkhart, Ind. Flat-tire signal. 1,587,228; June 1.

Hemphill Company. (See Wilson, Edward C., assignor.)

Henderson, James B., Lee, England. Range finder. 1,586,741; June 1.

Hendrickson, Edgar E., Hopkinsville, Ky. Ball-race extractor. 1,587,153; June 1.

Henrikson, Frank W., Mulberry, Kans. Coupling device for railway draft cars. 1,587,229; June 1.

Henrikson, Frank W., Mulberry, Kans. Coupling device for cars. 1,587,230; June 1.

Henrikson, Frank W., Mulberry, Kans. Drawhead-operated link coupler. 1,586,802; June 1.

Henneman, Karel F., assignor of one-half to P. Kerkhoven, The Hague, Netherlands. Switch for electric water-heating apparatus. 1,587,154; June 1.

Henry, Ferdinand G., New York, N. Y., assignor to Fairchild Aerial Camera Corporation. Gyroscope-stabilizing system. 1,586,525; June 1.

Heppenstall, Charles W., assignor to Heppenstall Forge & Knife Company, Pittsburgh, Pa. Alloy. 1,587,231; June 1.

Heppenstall Forge & Knife Company. (See Heppenstall, Charles W., assignor.)

Hepperle, William J. (See Maclaren, J. G., and Hepperle.)

Herlinger, Harold V. (See Beebe, M. C., Murray, and Herlinger.)

Heron, William E., New Brunswick, N. J. Device for sharpening razors and the like. 1,587,309; June 1.

Herrbold, William J., Tonawanda, N. Y. Machine for treating paper stock. 1,586,951; June 1.

Herrick, Jefferson C., Murdo, S. Dak. Farm gate. 1,587,310; June 1.

Herrick, William H., Indianapolis, Ind. Child's combination wagon. 1,586,624; June 1.

Herring, Walter L., Tulsa, Okla. Seesaw. 1,586,899; June 1.

Herrmann, Willy O., and E. Baum, assignors to Consortium Fur Elecktrochemische Industrie, Munich, Germany. Polymerizing vinyl esters. 1,586,803; June 1.

Herschel, Paul E., jr., Peoria, Ill. Lawn mower. 1,586,526; June 1.

Heskett, Arnold J., Rex, Oreg. Brick machine. 1,586,804; June 1.

Heskett, Arnold J., Rex, Oreg. Block-making machine. 1,586,805; June 1.

Hessemer, Albert O., Fullerton, Calif. Well-capping device and control head. 1,586,992; June 1.

Hey, John G., Cincinnati, Ohio. Combination fan and lamp. 1,586,742; June 1.

Hicks, William D., Inglewood, Calif. Plaster lath. 1,587,311; June 1.
Hilger, Benjamin F. (See Hilger, Charles F. and B. F.)
Hilger, Charles F. and B. F., Sterling, Ill. Paper hanger's and painter's trestle. 1,587,312; June 1.
Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 70,277; June 1.
Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,586,527; June 1.
Hinsky, Anthony P., Brooklyn, N. Y. Coupler for radios. 1,587,381; June 1.
Hirst, Joshua. (See Marshall, Thomas P. D., assignor.)
Hisanosuke, Sato, New York, N. Y. Antiskid device. 1,587,313; June 1.
Hoddersen-Balling, Frederick E., Brooklyn, N. Y. Ham boiler. 1,586,528; June 1.
Hodge, William B., Charlotte, N. C. Hygroscopic regulating device. 1,587,314; June 1.
Hoeschen, Henry A., Omaha, Nebr. Electric switch. 1,586,993; June 1.
Hoff, Harry G., assignor to Chicago Electrotype and Stereotype Company, Chicago, Ill. Manufacturing curved printing plates. 1,587,232; June 1.
Hoffberg, Louis. (See Faith, S., and Hoffberg.)
Hoffman, Leon F., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Engine and compressor control. 1,586,743; June 1.
Hohagen, Walter, Falkensee, near Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, and elsewhere, Germany. Rotary pump. 1,586,806; June 1.
Holden, Joseph B., Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,587,484; June 1.
Holland Furnace Company. (See Russell, Titus, assignor.)
Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Centrifugal pump head. 1,586,900; June 1.
Holloman, Daniel B., assignor of one-fourth to W. Y. Shugart and one-fourth to R. E. Davis, Fort Payne, Ala. Wrench. 1,587,233; June 1.
Holmes, Alfred E., assignor to Alexander H. Revell & Co., Chicago, Ill. Roll supporting and display rack. 1,587,234; June 1.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,586,807; June 1.
Holmes, William H., Mount Vernon, N. Y. Index device. 1,586,529; June 1.
Holt, Thomas W., assignor to Curtain Supply Company, Elkhart, Ind. Sash guide. 1,587,315; June 1.
Home Radiator Cabinet Co., Incorporated. (See Bull, Adam D., assignor.)
Homrighous, John H., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,586,530; June 1.
Hooker, George S., Brisbane, Queensland, Australia. Mattress. 1,586,625; June 1.
Honan, Edward M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus. 1,587,155; June 1.
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. Des. 70,278; June 1.
Hopkins, William G., Philadelphia, Pa. Awning frame. 1,587,316; June 1.
Hopwood, Ellis, Bradford, England. Brush for clearing the noil from the comb circles of combing machines. 1,587,012; June 1.
Horton, Arthur, Chicago, Ill. Door latch. 1,587,318; June 1.
Horton, Eldridge H., Chicago, Ill. Expansion plug. 1,587,317; June 1.
Housekeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum insulator. 1,587,156; June 1.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Development Company. Converting hydrocarbon oils into lower-boiling products. 1,586,994; June 1.
Howard, Frank W., New York, N. Y., assignor of one-fourth to S. P. Connor, Maplewood, N. J., and three-eighths to J. W. Smith, New York, N. Y. Automatic telephone dial. 1,586,995; June 1.
Howell, Kenneth B. (See Adams, F. W., and Howell.)
Howry, Aaron D., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reversing polarity of synchronous converters. 1,586,744; June 1.
Hubbell, Theodore D., Los Angeles, Calif. Checking mechanism. 1,586,901; June 1.
Hubley Manufacturing Co., The. (See Hartman, John H., assignor.)
Huck, William, New York, N. Y. Combination curtain and shade holder. 1,586,996; June 1.
Hucks, William, assignor of one-half to Sodastream Limited, Camden Town, London, England. Apparatus for aerating liquids. 1,587,319; June 1.
Hucks, William, London, assignor of one-half to Sodastream Limited, Camden Town, England. Apparatus for aerating liquids. 1,587,320; June 1.
Hufnagle, Oliver C. (See Williams, G. H., and Hufnagle.)
Hug, Christian J., assignor to The Hug Company, Highland, Ill. Dumping truck. 1,586,808; June 1.
Hug Company, The. (See Hug, Christian J., assignor.)
Hull, Allen B., Minneapolis, Minn. Camp-stove outfit. 1,587,157; June 1.
Hull, Arthur B., Gasport, N. Y. Spraying apparatus. 1,586,997; June 1.
Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Cooling apparatus. 1,586,745; June 1.
Humphrey, Alonzo L., assignor to Eagle Wagon Works, Auburn, N. Y. Trailer attachment. 1,587,074; June 1.
Hunt, Helm, Farris & Company. (See Ferris, Henry L., assignor.)
Hunter, Frederick L., jr., Towaco, assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Pump. 1,587,321; June 1.
Huseby, Albert A., Chicago, Ill. Pneumatic striker action for player pianos. 1,586,746; June 1.
Husid, Morris, Brooklyn, N. Y. Elbow-bending machine. 1,587,158; June 1.
Hutton, James C., assignor to The British Lighting and Ignition Company, Limited, Birmingham, England. Dynamo-electric machine. 1,587,322; June 1.
Hutton, James C., assignor to The British Lighting and Ignition Company, Limited, Birmingham, England. Dynamo-electric machine. 1,587,324; June 1.
Illinois Tool Works. (See Olson, Carl G., assignor.)
Ingersoll-Rand Company. (See Longacre, Frederick van D., assignor.)
Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
Inland Manufacturing Company, The. (See Geyer, Harvey D., assignor.)
International Business Machines Corporation. (See Peirce, John R., assignor.)
International Motor Company. (See Jupp, William B., assignor.)
International Motor Company. (See Lipcot, Fred L., assignor.)
International Motor Company. (See Pampinella, Frank, assignor.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
Jackson, Byron, Pump Mfg. Co. (See Hollander, Aladar, assignor.)
Jackson, John W., Dallas, Tex. Washington machine. 1,587,235; June 1.
Jackson, Shumen R., assignor of one-half to L. J. Morgan, Syracuse, N. Y. Electric switch. 1,586,998; June 1.
Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Effecting thermochemical reactions. 1,587,323; June 1.
Jacobs, Frank W., Baker, Oreg. Door holder. 1,587,075; June 1.
Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,586,747; June 1.
Janowitz, Ellis J. (See Schwinger, Abraham I., assignor.)
Jansen, Harry. (See Thurston, H., and Jansen.)
Jellerson, Stephen O., et al. (See Perkins, William P., assignor.)
Jenson, Edgar C., Mankato, Minn. Combination hay stacker and loader. 1,586,999; June 1.
Johansson, Isaack N., Seattle, Wash. Firearm. 1,586,810; June 1.
Johns-Manville Incorporated. (See McClure, B. C., and McMillan, assignors.)
Johnson, Gustav J., assignor to Koehler Manufacturing Company, Marlboro, Mass. Last thimble and making same. 1,586,626; June 1.
Johnson, John E., and C. H. Oslund, assignors to The O. & J. Machine Company, Worcester, Mass. Labeling machine. 1,587,325; June 1.
Johnson, Mark E., Shamokin, assignor of one-half to E. S. Mead, trustee, Philadelphia, Pa. Conveyer flight attachment. 1,587,076; June 1.
Johnson, Oliver W. (See Gulliford, Louie E., assignor.)
Johnson, Oscar A. and G. A. Stowasser, Minneapolis, Minn. Storage-battery plate. 1,587,326; June 1.
Johnson, William A., Chicago, Ill., assignor to Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa. Hose coupling. 1,587,327; June 1.
Johnston, Richard J., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Screwless globe holder. 1,586,748; June 1.
Johnston, Robert B., Collingswood, N. J., and W. E. Giesecke, assignors to Charles G. Wilson Company, Inc., New York, N. Y. Nut-shelling apparatus. 1,586,749; June 1.
Joline, Emmet A., Tottenville, N. Y., assignor to The S. S. White Dental Manufacturing Company. Flexible-shaft casing. 1,586,750; June 1.
Jones, Edgar C. (See Antilotti, William A., assignor.)
Jones, Everett R., Wyandotte, assignor of one-half to C. Buethien, Detroit, Mich. Calk. 1,587,000; June 1.
Jones, Harry C., Larchmont, assignor to Lithoprintex Corporation, New York, N. Y. Apparatus for and method of printing from photographic plates onto sensitized surfaces. 1,587,001; June 1.
Jones, Henry T., Marion, Ohio. Air-heating attachment for stoves. 1,587,328; June 1.

Jones, Isaac H. (See Knudsen, V. O., and Jones.)
Jones, J. R., et al. (See Morris, Luke, assignor.)
Jones, Jesse E. (See Barringer, Worth R., assignor.)
Jones, John E. (See Allen, William, assignor).
Jones, Lee C., Sewickley, Pa. Ground anchor and forming same. 1,587,329; June 1.
Jones, S. E., et al. (See Morris, Luke, assignor.)
Jones, Simon, New York, N. Y. Combination table and stepladder. 1,587,002; June 1.
Jordan, Clayton W., assignor to R. E. Harrington, Lincoln, Nebr. Automobile signal. 1,587,159; June 1.
Jos-Pe-Farbenphoto Gesellschaft mit beschrankter Haftung. (See Piloty, Hans, assignor.)
Jupp, William B., assignor to International Motor Company, New York, N. Y. Automobile horn. Des. 70,279; June 1.
Kahns, Walter R., and K. Keller, assignors to J. H. White Manufacturing Company Brooklyn, N. Y. Stud fastening. 1,587,330; June 1.
Kanter, Jacob A., Chicago, Ill. Mixing receptacle. 1,587,331; June 1.
Katakura, Shuichi. (See Machine, Shigetake, assignor.)
Kaumagraph Company. (See Oliver, Reuben S., assignor.)
Kearns, Charles E., Baltimore, Md. Hover. 1,586,902; June 1.
Keir, Duncan, Atlantic City, N. J. Combined mop and wringer. 1,587,332; June 1.
Keller, Karl. (See Kahns, W. R., and Keller.)
Keller, Kaufman T., assignor to General Motors Corporation, Detroit, Mich. Steering wheel. 1,587,236; June 1.
Keller Mechanical Engineering Corp. (See Shaw, John C., assignor.)
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kellogg, Frank W., Reedsport, Oreg. Sanitary hairbrush. 1,586,751; June 1.
Kellogg Switchboard and Supply Company. (See Stazak, Michael B., assignor.)
Kelly, Hobart C. (See Undeland, A. L., and Kelly.)
Kelly, Leo I., Detroit, Mich. Instrument for forming tees. 1,587,160; June 1.
Kemp, Archie R., Towaco, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Covering cores. 1,586,811; June 1.
Kendal, Adrain N., Tidworth, England. Stand or support for motor cycles and other cycles. 1,587,382; June 1.
Kennett, Charles E., South Melbourne, Victoria, Australia. Convertible ladder. 1,587,383; June 1.
Kerkhoven, Pieter. (See Henneman, Karle F., assignor.)
Kershaw, Frederick, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Apparatus for conditioning and cooling yarn. 1,587,384; June 1.
Kestel, Conrad. (See Arnold, F. F., and Kestel.)
Keuffel and Esser Company. (See Rogers, Horace I., assignor.)
Kewish, John T., New York, N. Y. Automatic firearm. 1,587,003; June 1.
Killough, John D., et al. (See McCombs, Charles C., assignor.)
King, Walter W., New Brighton, N. Y., assignor to The Barrett Company. Producing varnish. 1,587,333; June 1.
Klau, David W., New York, N. Y. Table for sewing and assembling roller shades. 1,587,334; June 1.
Kline, Fred J., New York, N. Y. Clamping device. 1,587,335; June 1.
Klos, Nicholas J., assignor to Morton Manufacturing Company, Chicago, Ill. Car diaphragm. 1,586,812; June 1.
Knight, Albert F., et al. (See Walen, Ernest D., assignor.)
Knudsen, Vern O., and I. H. Jones, Los Angeles, Calif. Precision instrument for making a differential diagnosis between internal and middle ear deafness and for charting the acuity of hearing. 1,586,952; June 1.
Koehler Manufacturing Company. (See Johnson, Gustav J., assignor.)
Koenigkramer, Frank, Cincinnati, Ohio. Chair and table adjusting mechanism. 1,586,752; June 1.
Komisky, Louis A., Chicago, Ill. Forming machine. 1,586,627; June 1.
Kowalski, Charley, Chicago, Ill. Fernery stand. Des. 70,280; June 1.
Krein, Andy, Langdon, N. Dak. Shock absorber. 1,586,903; June 1.
Kropp, Walter, W. Schranz, Elberfeld, and W. Schulemann, Vohwinkel, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Anthelmintic remedy. 1,587,077; June 1.
Kruse, Edward W., Chicago, Ill. Reserve-supply device for gasoline tanks. 1,586,679; June 1.
Kuhn, Frank, Quincy, Ill. Auto license-plate holder. 1,586,904; June 1.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,586,680; June 1.
La Crosse Rubber Mills Co. (See Bott, E. S., and Funk, assignors.)
Lacy, William A., Springfield, Mass. Floor surfacer. 1,587,124; June 1.
Lambert, Brazil E. (See Stoffer, W. F., and Lambert.)
Lamson Company, The. (See Cowley, James T., assignor.)
Lamson Company, The. (See Maclaren, J. G., and Hepperle, assignors.)
Lang, Gertrude K., Waynart, Pa. Telescope darner. 1,586,681; June 1.
Lanphier, Howard, sr., Ilion, N. Y. Heater and drier. 1,587,385; June 1.
Laporte, B., Limited, et al. (See Weber, Isaac E., assignor.)
Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Azo dyestuffs and making same. 1,587,004; June 1.
Laska, August L., and F. Weber, Offenbach-on-the-Main, assignors to Corporation of Chemische Fabrik Griesheim Elektron, Frankfort-on-the-Main, Germany. Yellow monoazo dyestuffs and making same. 1,587,005; June 1.
Laursen, Laust K., College Station, Tex. Countersink. 1,586,559; June 1.
Lauterbach, Charles E., Morgantown, W. Va. Educational test sheet. 1,586,628; June 1.
Leach, Madison V., Mount Sterling, Ky. Pad for vehicle tops. 1,586,629; June 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Concealed emergency seat structure for automobiles. 1,587,006; June 1.
Lee, Olavus T., and H. A. Smith, Stettler, Alberta, Canada. Animal trap. 1,586,630; June 1.
Leeds & Northrup Company. (See Coley, Walter R., assignor.)
Le Gear, Lottie T. (See Perry, Roy R., assignor.)
Leich Electric Company. (See Leich, Oscar M., assignor.)
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Telephone signal system. 1,587,125; June 1.
Leightiltner, George W., Apollo, Pa. Paper-money cleaner and presser. 1,586,905; June 1.
Leinbach, Edward L., Chicago, Ill. Combined shade and awning. 1,587,126; June 1.
Leins, Oscar J., Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company. Separator mechanism. 1,586,560; June 1.
Leins, Oscar J., assignor to Milwaukee Gas Specialty Co., Milwaukee, Wis. Flash igniter. 1,586,813; June 1.
Lents, John M., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 70,281; June 1.
Leonard, Albert P., New York, N. Y. Calandria for evaporators of sugar mills. 1,586,814; June 1.
Leonard, James A., Lewiston, Me., assignor to S. Morgan Smith Company, York, Pa. Combination trash rack and radial gate. 1,586,753; June 1.
Leonard, James A., Lewiston, Me., assignor to S. Morgan Smith Company, York, Pa. Double rack for water supply. 1,586,754; June 1.
Leshowitz, Benjamin, Brooklyn, assignor to Colonial Metal Spinning & Stamping Co., New York, N. Y. Backplate for lighting fixtures. Des. 70,282; June 1.
Levitan, Nathan A., Brooklyn, assignor to J. J. Braze Co., New York, N. Y. Bridge-lamp arm. Des. 70,283; June 1.
Lewis, Albert D., Atlanta, Ga. Bottle or similar article. Des. 70,284; June 1.
Lewis, Claude L., assignor of one-third to G. W. Street, and one-third to J. A. Walker, Omaha, Nebr. Sterilizing and rinsing apparatus. 1,587,386; June 1.
Lewis, Elias, Terre Haute, Ind. Knife or cutter. 1,586,906; June 1.
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Lichtenstein, Leo, Chicago, Ill. Card register. 1,587,336; June 1.
Lichtenthaeler, Frank E., Newton Highlands, Mass. Apparatus for generating ether. 1,587,161; June 1.
Lichtman, Harry, assignor to the Copartnership of Powers, Friend & Lichtman, New York, N. Y. Furniture cover. 1,587,387; June 1.
Lieberman, Joseph, Bayonne, N. J. Piano lamp. 1,587,388; June 1.
Lindberg, John F., assignor to Reliance Die & Stamping Company, Chicago, Ill. Inductance apparatus. 1,586,755; June 1.
Lindblad, William N., Berkeley, Calif. Machine for measuring consecutive distances. 1,587,162; June 1.
Lindsay, Hamilton, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company. Method and apparatus for weaving wire cloth. 1,587,337; June 1.
Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Wire belt and making same. 1,587,338; June 1.
Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven-wire belts. 1,587,339; June 1.
Lindsay Wire Weaving Company, The. (See Lindsay, Hamilton, assignor.)
Line Material Company. (See Arndt, John P., assignor.)
Link-Belt Company. (See Weiss, Charles R., assignor.)
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Internal-combustion engine. 1,586,815; June 1.
Linwood, Harry, San Francisco, Calif. Vehicle tire. 1,586,907; June 1.
Lipcot, Fred L., assignor to International Motor Company, New York, N. Y. Rubber-cushion draft gear for railway cars. 1,586,531; June 1.

Lipp, Elmer L. (See Schlatter, M., and Lipp.)
Liptak Fire Brick Arch Co. (See Strachota, Clarence A., assignor.)
Lissen, Olov G., Jersey City, N. J. Condenser. 1,587,389; June 1.
Lithoprintex Corporation. (See Jones, Harry C., assignor.)
Livesay, Robert C. (See Wilson, F. D., Livesay, and Carlson.)
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Regenerative air or gas preheater. 1,586,816; June 1.
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Regenerative air preheater. 1,586,817; June 1.
Longacre, Frederick van D., Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Multiple clearance control. 1,587,013; June 1.
Longacre, Frederick van D., Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Series clearance control. 1,587,014; June 1.
Longacre, Frederick van D., Yonkers, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clearance unloader. 1,587,015; June 1.
Lough, Albert C., and E. Mann, Detroit, Mich. Inkwell. 1,586,818; June 1.
Lowy, Alexander, Pittsburgh, Pa. Preserving. 1,587,485; June 1.
Lucas, Owen D., Westminster, assignor to Vickers Limited, Westminster, London, England. Parachute. 1,586,561; June 1.
Lucey, Patrick J., assignor to Lucey Slicing Machine Co., South Bend, Ind. Meat-slicing machine. 1,586,562; June 1.
Lucey Slicing Machine Co. (See Lucey, Patrick J., assignor.)
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and operating thereon. 1,586,563; June 1.
Lundius, Eric R., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,586,564; June 1.
Luppino, Frank, Watkins, N. Y. Shoes and making same. 1,586,631; June 1.
Macaleese, Frederic L., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Conveyer. 1,586,756; June 1.
MacDonald, William W., Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Sport ball. 1,587,392; June 1.
Machinery Improvement Company. (See Root, William D., assignor.)
Machino, Shigetake, assignor to S. Katakura, Koishikawa-Ku, Tokyo-Fu, Japan. Hose coupling. 1,587,079; June 1.
MacInnes, Hugh, Jersey City, N. J. Flexible shingle. 1,587,017; June 1.
Maclaren, James G., Mamaroneck, N. Y., and W. J. Hepperle, Bloomfield, N. J., assignor to The Lamson Company, Syracuse, N. Y. Power-control device for pneumatic-dispatch systems. 1,586,634; June 1.
Maitland, Walter O., Fresno, Calif. Combined safety valve and fuel control. 1,586,757; June 1.
Majercsik, Louis, Barberton, Ohio. Water heater. 1,587,393; June 1.
Mallory, Edward B., Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 70,285; June 1.
Mallory, Edward B., Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 70,286; June 1.
Mallory, Edward B., Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Sound-reproducer cabinet. Des. 70,287; June 1.
Manahan, Karl, Auburndale, N. Y. Astrological chart and indicating device. 1,587,018; June 1.
Mann, Edward. (See Lough, A. C., and Mann.)
Marcelli, Attilio, Overland, Mo. Valve. 1,587,080; June 1.
Marlin Firearms Corporation, The. (See Swebilius, Carl G., assignor.)
Marsden, John E., Philadelphia, Pa. Refrigerator receptacle. 1,587,167; June 1.
Marsh, Frederick A., Columbus, Ohio. Water gauge and temperature indicator. 1,587,394; June 1.
Marshall, Thomas P. D., assignor of one-half to J. Hirst, Wingham, Ontario, Canada. Sponge-rubber articles, producing the same, and composition therefor. 1,587,486; June 1.
Martin, John A., Manchester, N. H. Antitheft device. 1,587,395; June 1.
Martin, John R. (See Stalsby, J. E., and Martin.)
Martin, Kingsley L. (See Starr, Fletcher C., assignor.)
Martine, Alvin R., New York, N. Y. Coin receptacle. Des. 70,288; June 1.
Martinson, Ingebrit O., Scarville, Iowa. Plow drag. 1,587,081; June 1.
Mason, Arthur J., Chicago, Ill. Coal-mining machine. 1,587,396; June 1.
Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Correction for line distortion. 1,586,822; June 1.
Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Receiving system for telegraphic signals. 1,586,821; June 1.
Mathews, Louis T., Houston, Tex. Copyholder and indicator for typing machines. 1,587,342; June 1.
Mathiesen, Marius, assignor to Mathiesen-Sandberg Company, Chicago, Ill. Loop aerial. 1,587,168; June 1.
Mathiesen-Sandberg Company. (See Mathiesen, Marius, assignor.)
Mattern, George W., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Handle grip for golf clubs. 1,587,082; June 1.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,586,758; June 1.
Matthews, Edwin S., New York, N. Y. Producing nitrogen compounds and apparatus therefor. 1,586,823; June 1.
Mauck, Victor, Norristown, Pa. Can-forming mechanism. 1,587,169; June 1.
Maxfield, Harold A., Worcester, Mass. Electromagnet. 1,587,170; June 1.
Mayo, William T., et al. (See Walen, Ernest D., assignor.)
McCaleb, Albert G., Oak Park, Ill. Liquid-level indicator. 1,587,340; June 1.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,587,163; June 1.
McClatchie, Stanley, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,587,164; June 1.
McClatchie, Stanley, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment plug. 1,587,165; June 1.
McClure, Benjamin C., Scarsdale, and L. B. McMillan, Larchmont, assignors to Johns-Manville Incorporated, New York, N. Y. Heat-exchange device. 1,587,166; June 1.
McCoombs, Charles C., Sherman, assignor of one-third to W. R. Duffey, Fort Worth, and one-third to J. D. Killough, Stephenville, Tex. Machine for making check protectors. 1,587,237; June 1.
McConway & Torley Company, The. (See McConway, William, assignor.)
McConway, William, deceased; W. McConway, jr., executor, assignor to The McConway & Torley Company, Pittsburgh, Pa. Producing metal blanks. 1,586,632; June 1.
McConway, Wm., jr., executor. (See McConway, William.)
McCoy, Walter E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch contact member. 1,586,682; June 1.
McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company, Drainage method for four-wire-cable systems. 1,586,633; June 1.
McDermott, Harry H., Chicago, Ill. Operative mechanism for steam presses. 1,587,078; June 1.
McDonald, Leslie R., Westmount, Ontario, Canada. Display apparatus. 1,586,565; June 1.
McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,586,566; June 1.
McDonald, Martin J., Wakonda, S. Dak. Mail-order blank for mail-order houses and the like. 1,587,390; June 1.
McDowell, Albert, Los Angeles, Calif. Barrel loader. 1,586,908; June 1.
McDuffie, Henry L., Charlotte, N. C. Jack. 1,586,819; June 1.
McFarland, J. W. (See Rhone, George M., assignor.)
McFarlane, Blair A., and M. J. Goldberg, assignors to Fairbanks, Morse & Co., Beloit, Wis. Oil-engine starter. 1,586,820; June 1.
McGill, James S., Avalon, Pa. Calking compound. 1,587,016; June 1.
McKee, Oliver P., Fond du Lac, Wis. Educational game. 1,587,391; June 1.
McLean, George M., Salt Lake City, Utah. Disappearing table. 1,586,707; June 1.
McMillan, Luther B. (See McClure, B. C., and McMillan.)
McVay, Francis E., Pawtucket, R. I. Draft-control device. 1,587,341; June 1.
Mead, Edward S., trustee. (See Johnson, Mark E., assignor.)
Mecky, A., Company. (See Mottlau, August J., assignor.)
Ménard, Marie J., La Tuque, Quebec, Canada. Safety lock bolt. 1,587,397; June 1.
Mentzer, Clarence A., assignor to Stockland Road Machinery Company, Minneapolis, Minn. Steering mechanism for grading machines. 1,586,824; June 1.
Meredith, William, Huntington Beach, and W. L. Foster, Whittier, assignors of one-third to S. A. D. Cox, Huntington Beach, Calif. Flow nozzle. 1,586,825; June 1.
Merkel, Franz, Offenbach-on-the-Main, assignor to Chemische Fabrik Grieshelm-Elektron, Frankfort-on-the-Main, Germany. Quick tannage by means of the one-bath method. 1,587,019; June 1.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve opener. 1,586,635; June 1.

Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Switch mechanism. 1,586,953; June 1.
Meyer & Gross. (See Benz, Henry, assignor.)
Meyer, Maximilian C., Brooklyn, N. Y. Card game. 1,586,759; June 1.
Michel, Hermann, Voorde i. Holstein, Germany. Internal-combustion engine. 1,587,343; June 1.
Michelbach, Frank, Del Ray, Va. Display rack. 1,586,826; June 1.
Michelbach, Frank, Del Ray, Va. Rug-display rack. 1,586,827; June 1.
Michelin, André J., Paris, France. Making wheel rims. 1,587,020; June 1.
Mielka, Emil W., Buffalo, N. Y. Toy dumping wagon. 1,586,571; June 1.
Milette, Octave, Montreal, Quebec, Canada. Window. 1,586,636; June 1.
Miller, Andrew H., Detroit, Mich. Radiodetector. 1,586,828; June 1.
Miller, Arthur, Chicago, Ill., assignor to Solar-Sturges Mfg. Co. Refrigerator can. 1,586,829; June 1.
Miller, Du Brul & Peters Mfg. Co., The. (See Du Brul, C. J., and Sees, assignors.)
Miller, John R., Van Nuys, Calif. Crank-case cooler for motor vehicles. 1,586,969; June 1.
Milner, Dennis, London, England. Spring wheel. 1,587,398; June 1.
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Minzoni, Alfonso, Bologna, Italy. Movable bracket for flying scaffolding. 1,587,238; June 1.
Mock, Frank C. (See Gustafson, C. J., and Mock.)
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,586,683; June 1.
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,586,684; June 1.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing machines. 1,586,830; June 1.
Molden, George H., assignor to The Sprague Meter Company, Bridgeport, Conn. Gas-meter valve. 1,586,685; June 1.
Moler, George S., Ithaca, N. Y. Educational appliance. 1,587,399; June 1.
Moll Manufacturing Company. (See Campbell, Carleton W., assignor.)
Mompere, Robert J., Newark, N. J., assignor to L. Potter, New York, N. Y. Safety device for ironing machines. 1,586,567; June 1.
Mongrain, James E., Spokane, Wash. Logging conveyer. 1,586,686; June 1.
Montgomery, Gustavus A., assignor to Titusville Forge Company, Titusville, Pa. Fishing tool. 1,587,021; June 1.
Montgomery, Gustavus A., assignor to Titusville Forge Company, Titusville, Pa. Drill jar. 1,587,022; June 1.
Monson, Jons, New York, N. Y. Toy. 1,587,127; June 1.
Moratta, Mathew M., Princeton, Ind. Piston ring. 1,586,687; June 1.
Morgan Construction Company. (See Edwards, Victor E., assignor.)
Morgan, Guy, assignor to The Warford Corporation, New York, N. Y. Transmission device. 1,587,344; June 1.
Morgan, John D., Summit, N. J. Clear-vision method and device for motor vehicles. 1,586,688; June 1.
Morgan, Lewis J. (See Jackson, Shumen R., assignor.)
Morreau, Emile V., Marshall, Tex. Door brace. 1,587,400; June 1.
Morris, Luke, Dallas, assignor, by mesne assignments, of one-half to J. R. and S. E. Jones, Dallas County, Tex. Churn. 1,586,910; June 1.
Morton Manufacturing Company. (See Klos, Nicholas J., assignor.)
Morton, Thomas, Birmingham, England. Spring fastening of the button type. 1,586,572; June 1.
Morton, William A., assignor to The Amsler-Morton Company, Pittsburgh, Pa. Recuperator structure for furnaces. 1,587,171; June 1.
Mosebach, Gustav, Nordhausen-on-the-Harz, Germany. Apparatus for the recuperation of the lye from dissolved cellular substances. 1,587,345; June 1.
Moser, Wilhelm, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of 2:3-diamino-anthraquinone. 1,586,911; June 1.
Moskowitz, Morris, deceased, Upper Montclair, N. J.; Bankers Trust Company, executor. Vehicle brake mechanism. 1,587,346; June 1.
Motor Wheel Corporation. (See Winter, John R., assignor.)
Mottlau, August J., assignor to A. Mecky Company, Philadelphia, Pa. Multiple-reflector single-unit combined toaster and cooker. 1,587,023; June 1.
Mulford, Logan W., Long Island City, N. Y. Skylight and floorlight construction. 1,587,487; June 1.
Mulford, Logan W., Long Island City, N. Y. Skylight and floorlight construction. 1,587,488; June 1.
Müller, Frederick W., Hoboken, N. J. Liquid-level-controlling device. 1,587,172; June 1.
Müller, Heinrich, assignor to Actien-Gesellschaft "Weser", Bremen, Germany. Engine governor. 1,586,689; June 1.
Müller, Rudolf. (See Heidelberg, V., and Müller.)
Murphy, G. W. J., Company. (See Carrier, Hermenegilde, assignor.)
Murphy, Gilbert, Philadelphia, Pa., and W. A. Simond, Franklin, N. H., assignors to Acme Knitting Machine & Needle Company, Franklin, N. H. Cam mechanism for rotary knitting machines. 1,587,347; June 1.
Murphy, Harvey E., Medford, Oreg. Ready-made dummy tooth. 1,586,912; June 1.
Murphy, John F., Middleboro, Mass. Pin-setting mechanism. 1,586,831; June 1.
Murphy, Stephen, San Francisco, Calif. Shoe dauber. 1,587,024; June 1.
Murray, Alexander. (See Beebe, M. C., and Murray.)
Murray, Alexander. (See Beebe, M. C., Murray, and Herlinger.)
Murray, Thomas E., jr. (See Murray, Thomas E. and T. E., jr.)
Murray, Thomas E., jr., Brooklyn, N. Y. Welding articles of varying thickness. 1,586,690; June 1.
Murray, Thomas E., jr., Brooklyn, N. Y. Welding. 1,586,691; June 1.
Murray, Thomas F. and T. E., jr., Brooklyn, N. Y. Crank shaft and manufacture. 1,587,025; June 1.
Murren, Asa A., Delia, Kans. Weeder attachment for lister plows. 1,586,692; June 1.
Myers, G. W., Fuel Oil Burner Co. (See Myers, George W., assignor.)
Myers, George W., assignor to G. W. Myers Fuel Oil Burner Co., Incorporated, Camden, N. J. Oil burner. 1,587,401; June 1.
Myers, Harold L., Morristown, N. J. Display-box filler or rack. 1,586,637; June 1.
Myers, John A., Albion, Nebr. Foldable and adjustable bag chute. 1,587,348; June 1.
Nall, Torney O., and E. J. Beauvais, St. Paul, Minn. Advertising and calendar clock. 1,587,173; June 1.
Nalle, Charles R., Wichita Falls, Tex. Educational appliance. 1,587,026; June 1.
Nash, Joseph H., Chicago, Ill. Coal bin. 1,587,174; June 1.
Nathan, Ellis, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Compressor valve. 1,586,832; June 1.
National Acme Company, The. (See Smith, Oscar A., assignor.)
National Carbon Company, Inc. (See Briggs, Arthur J., assignor.)
Naylor, Stacey E. (See Badoux, F. F., Naylor, and Brann.)
Neel, Robert W. (See Swett, R. F., and Neel.)
Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Loading machine. 1,586,573; June 1.
Newell, James R., Pittsburgh, Pa. Tire-chain tool. 1,586,568; June 1.
Newman, Paul A., Woodhaven, assignor to Western Electric Company, Incorporated, New York, N. Y. Regulator. 1,586,569; June 1.
Neuzerling, Clarence W., Milwaukee, Wis. Electrically driven toy vehicles. 1,587,088; June 1.
Newport News Shipbuilding & Dry Dock Company. (See Heard, E. F., and Fitz Hugh, assignors.)
Ney, Adolphe H., assignor to T. Haebler, New York, N. Y. Blue monoazo dyestuffs for wool or silk. 1,586,693; June 1.
Nicholas, Charles O., Richmond, Va. Mold. 1,587,402; June 1.
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,586,570; June 1.
Nichols, Levi, Edinburg, Tex. Stalk cutter. 1,586,913; June 1.
Nicholson, Griffith C. (See Ackerman, E. W., and Nicholson.)
Nicholson, Harry S., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa. Flexible coupling. 1,587,403; June 1.
Nicholson, Roy E., Detroit, Mich. Anchoring device for hand rails and the like. 1,586,833; June 1.
Nicholson, Samuel T., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa. Float ball. 1,587,404; June 1.
Nicholson, W. H., & Company. (See Nicholson, Harry S., assignor.)
Nicholson, W. H., & Company. (See Nicholson, Samuel T., assignor.)
Nielsen, Andreas C. (See Brown, C. A., and Nielsen.)
Noble, Benjamin, assignor to Capitol Brass Works, Detroit, Mich. Article holder. 1,587,175; June 1.
Norman, Joseph F., London, England. Type-casting machine. 1,586,760; June 1.
North Bros' M'f'g Co. (See North, John S., assignor.)
North, John S., assignor to North Bros' M'f'g Co., Philadelphia, Pa. Display box. 1,587,405; June 1.
North, Oliver D., London, England. Internal-combustion engine for motor vehicles. 1,587,406; June 1.
Norton, Clifford, Orange, N. S. Dickinson, Glen Ridge, N. J., and J. G. Gustafson, New York, N. Y., assignors to Elevator Supplies Company, Inc., Hoboken, N. J. Door-operating mechanism for elevators. 1,587,007; June 1.
Norton Company. (See Beecher, M. F., and Olson, assignor.)
O. & J. Machine Company, The. (See Johnson, J. E., and Oslund, assignors.)

O'Brien, James D., Brooklyn, N. Y. Wrench. 1,587,407; June 1.
O'Brien, William G., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for making fiber composition. 1,587,027; June 1.
Odom, Leland L., Memphis, Tenn., assignor of one-third to E. M. Ellis, Memphis, Tenn., and one-third to J. D. Reynolds, Camden, Ark. Removing sulphur from vulcanized rubber. 1,587,408; June 1.
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Oliver, Anson H., Orillia, Ontario, Canada. Ice-sawing machine. 1,587,239; June 1.
Oliver, Reuben S., Westfield, N. J., assignor to Kaumagraph Company, New York, N. Y. Article blank and method of cutting articles. 1,587,028; June 1.
Oliver, Thomas C. (See Hechenbleikner, L., and Oliver.)
Olley, Raymond H. (See Pearson, J. T., and Olley.)
Olsen, Henning, assignor to California Refrigeration Mfg. Co., Los Angeles, Calif. Automatic water-control valve. 1,587,176; June 1.
Olson, Andrew. (See Skoglund, G., and Olson.)
Olson, Anton E. (See Beecher, M. F., and Olson.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hobbing machine. 1,587,029; June 1.
Olson, Orville B., Webster City, Iowa. Dental cuspidor trap. 1,587,240; June 1.
Ormsby, Augusta N. (See Ormsby, Elon A., assignor.)
Ormsby, Elon A., assignor to A. N. Ormsby, Centerville, Calif. Meter. 1,586,834; June 1.
Osborn Manufacturing Company, The. (See Curtis, Edward E., assignor.)
Oslund, Charles H. (See Johnson, J. E., and Oslund.)
Otis, Spencer, Chicago, and S. Otis, jr., Barrington, Ill. Seed-harvesting machine. 1,587,349; June 1.
Otis, Spencer, jr. (See Otis, Spencer and S., jr.)
Onillette, Arthur J., Cascade, N. H. Radio head set. 1,587,409; June 1.
P & M Company, The. (See Warr, Harold G., assignor.)
Paden, Robert F., Glendale, Mo. Safety device. 1,586,574; June 1.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,289; June 1.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,290; June 1.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 70,291; June 1.
Paige, Arthur E., Philadelphia, Pa. Thermostatically-controlled valve. 1,587,177; June 1.
Palm, Per W., Baudette, Wis. Wind motor. 1,586,914; June 1.
Palmer, Benjamin F., assignor to P. Arbon, Tulsa, Okla. Oil-well-control head valve. 1,587,030; June 1.
Palmgreen, Philip, McKeesport, Pa. Valve-spring lifter. 1,586,835; June 1.
Pampinella, Frank, Brooklyn, assignor to International Motor Company, New York, N. Y. Yielding stop for tail gates. 1,586,532; June 1.
Panyard, John F., Detroit, Mich. Piston packing. 1,586,575; June 1.
Parke, William, Incorporated. (See Parke, William, assignor.)
Parke, William, New York, N. Y., assignor to William Parke, Incorporated, Wilmington, Del. Oven-shelf handle. 1,587,350; June 1.
Parker, James D., Kansas City, Kans. Ventilating fan. 1,587,031; June 1.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Door catch. Des. 70,292; June 1.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Door catch. 1,586,836; June 1.
Parvin, Edward G. (See Wadd, R. J., and Parvin.)
Paterson, Alexander P., et al. (See Secord, Frederick A., assignor.)
Pearson, John T., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Cover for electric-conduit outlet boxes. 1,587,032; June 1.
Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Controlling device for record-controlled machines. 1,587,033; June 1.
Pendell Boiler Company. (See Pendell, Orville, assignor.)
Pendell, Orville, Schenectady, assignor to Pendell Boiler Company, Richmondville, N. Y. Firepot. 1,586,576; June 1.
Pendergast, Overton W., Terre Haute, Ind. Manufacturing groups of sheets consecutively numbered. 1,586,915; June 1.
Pennsylvania Flexible Metallic Tubing Company. (See Johnson, William A., assignor.)
Pennsylvania Pump & Compressor Company. (See Nathan, Ellis, assignor.)
Pepin, Nelson J., Lowell, Mass. Clutch device. 1,587,410; June 1.
Perkins, William P., Auburn, assignor of one-fourth to S. O. Jellerson, one-fourth to J. G. Walker, Norway, and one-fourth to I. J. Harmon, Casco, Me. Shoe last. 1,586,837; June 1.
Perrey, Edward J., Chicago, Ill. Furnace. 1,586,838; June 1.
Perry, Roy R., assignor to L. T. Le Gear, Mobile, Ala. Electropneumatic pipe-organ action. 1,587,411; June 1.
Peters, Adolf M., New York, N. Y. Controlling mechanism. 1,586,694; June 1.
Peters, Charles H., et al. (See Secord, Frederick A., assignor.)
Petersen, George E., Bristol, Pa. Automatic control mechanism for radiator shutters. 1,587,351; June 1.
Petersen, John D., Detroit, Mich. Pressure gauge. 1,586,695; June 1.
Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic meter. 1,586,533; June 1.
Peterson, Joseph A., College Station, Tex. Wrench. 1,587,352; June 1.
Peterson, Joseph E., Rockford, Ill. Case for cigarettes and matches in original packages. 1,587,178; June 1.
Pfeufer, Joseph, Dudelingen, Luxemburg. Brushing apparatus for washing the human body. 1,587,353; June 1.
Phoenix Horse Shoe Company. (See Tweedy, John E., assignor.)
Phoenix Hosiery Company. (See Fitzgibbon, John E., assignor.)
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Counterbalancing device for oven doors. 1,586,839; June 1.
Pierce, Raymond T., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,586,696; June 1.
Pierson, Julius A., Seattle, Wash. Logging carriage. 1,586,840; June 1.
Pifer, Daniel M., assignor of one-third to H. C. Shirey, Sullivan, Ill. Broom. 1,587,412; June 1.
Pilkington, Gussie, London, England. Fastening device for garments and the like. 1,586,916; June 1.
Pilety, Hans, Munich, assignor to the Firm of Jos-Pe-Farbenphoto Gesellschaft mit beschrankter Haftung, Hamburg, Germany. Producing prints in natural colors according to multicolor photography. 1,586,697; June 1.
Pines Winterfront Company. (See Pipenhagen, Charles A., assignor.)
Pipenhagen, Charles A., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatically-controlled radiator shutter for automobiles. 1,586,534; June 1.
Pitter, Eleanora M. (See Pitter, George, assignor.)
Pitter, George, assignor to E. M. Pitter, Oakland, Calif. Combination luggage carrier and camp table. 1,587,179; June 1.
Planett, Fred E., assignor to Planett Mfg. Co., Oakland, Calif. Corner bead. 1,587,034; June 1.
Planett Mfg. Co. (See Planett, Fred E., assignor.)
Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Metallic cap and dauber. 1,586,535; June 1.
Poirrier, George, Grosvenor-Dale, Conn., assignor to Draper Corporation, Hopedale, Mass. Automatic filling-repienishing looms. 1,587,180; June 1.
Pomeroy, George O., Lakewood, and A. L. Swartz, Cleveland, Ohio. Material holder. 1,587,181; June 1.
Pond, John, Summerside, Prince Edward Island, Canada. Time-indicating device. 1,587,413; June 1.
Pond, William H., New York, assignor of one-half to L. W. Minford, 2d, Scarsdale, N. Y. Coated butter. 1,587,414; June 1.
Posner, Abraham, New York, N. Y. Ankle stay for shoes. 1,586,698; June 1.
Potter, Leo. (See Mompere, Robert J., assignor.)
Pounds, Hoyle. (See Corbett, A. H., and Pounds.)
Power Specialty Company. (See Foster, Ernest H., assignor.)
Power, Thomas J., Milwaukee, Wis. Adjusting and locking device. 1,586,536; June 1.
Powers, Friend & Lichtman. (See Lichtman, Harry, assignor.)
Pratt, Herbert G., Newton, assignor to Samson Cordage Works, Boston, Mass. Cord-making machine. 1,587,182; June 1.
Premier Specialty Co. (See Appelman, Isaac, assignor.)
Prentiss Vise Company. (See Blake, Charles F., assignor.)
Price, Jacob L., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating connection. 1,586,699; June 1.
Proctor & Schwartz, Incorporated. See Kershaw, Frederick, assignor.)
Proctor & Schwartz, Incorporated. (See Rhonds, Thomas H., assignor.)
Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
Purox Company. (See Coberly, Clarence J., assignor.)
Putt, Harlie O. (See Helfrick, Otto H., assignor.)
Radford, William A., Chicago, Ill. Toy. 1,587,354; June 1.
Radio Lab. & Mfg. Co. (See Scott, Ray W., assignor.)
Raitt, David L., London, England. Lamp shade and other translucent screen. 1,586,577; June 1.
Raphael, Reginald D. (See Wisroth, Ernst, assignor.)
Rapp, William M., assignor of one-third to R. R. Butler and one-third to H. O. Dean, Atlanta, Ga. Pipe joint and making same. 1,587,035; May 4.
Raun, Holger W., St. Paul, Minn. Anchor for sleepers. 1,587,355; June 1.
Réhillon, Ernest L. V., Montesson, and R. Adam, Paris, France. Motion-picture-projecting apparatus. 1,587,415; June 1.

Reed, Harold L., assignor of one-half to H. S. Allis, New Haven, Conn. Tractor hitch. 1,587,416; June 1.
Refrigerating Specialties Company. (See Hansen, Charles C. and H. V., assignors.)
Regan Safety Devices Company, The. (See Beaumont, Joseph, assignor.)
Regnholm, Klara A., Stockholm, Sweden. Combined pen stand, penwiper, and blot preventer. 1,587,036; June 1.
Reinhardt, George V., Highland Mills, N. Y. Joint protector for building construction. 1,586,700; June 1.
Reintjes, George P., Kansas City, Mo. Corner-wall construction. 1,586,841; June 1.
Reisner, W. H., Mfg. Co., The. (See Hankey, John H., assignor.)
Reliance Die & Stamping Company. (See Lindberg, John F., assignor.)
Reliance Die & Stamping Company. (See Webster, Bester R., assignor.)
Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
Remington Arms Company. (See Sorum, Alexander E., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Remington Typewriter Company. (See Seib, George A., assignor.)
Reppa, Andrew, Barton, Ohio. Miner's cap. 1,586,701; June 1.
Reuter, Fredricka E., Chicago, Ill. Telephone advertising novelty. 1,586,702; June 1.
Revell, Alexander H., & Co. (See Holmes, Alfred E., assignor.)
Reynolds, J. D., et al. (See Odom, Leland L., assignor.)
Reynolds Spring Company. (See Seybold, Lawrence S., assignor.)
Rhoades, Ralph E. (See Case, O. B., Bachman, and Rhoades.)
Rhonds, Thomas H., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying clays and similar materials. 1,587,419; June 1.
Rhone, George M., assignor of one-half to J. W. McFarland, Brownwood, Tex. Advertising machine. 1,586,842; June 1.
Richards, Joseph C., Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation. Boiler cleaner. 1,586,843; June 1.
Richardson, Ernest L., Melrose Highlands, Mass., assignor to General Electric Company. Turbine installation. 1,587,420; June 1.
Ridgway, Joseph W., Detroit, Mich. Spring-testing machine. 1,587,183; June 1.
Riebe, August, Berlin-Schmockwitz, Germany. Ball bearing. 1,587,184; June 1.
Riebeth, George H., Minneapolis, Minn., assignor to French Battery Company, Madison, Wis. Battery. 1,587,356; June 1.
Rigby, Albert V., Sharon, Pa. Valve. 1,586,844; June 1.
Rithner, Henry, Wellsburg, W. Va. Hood holder for electric lamps. 1,586,703; June 1.
Ritter, Elmer R., Cincinnati, Ohio. Attachable vehicle brake. 1,587,421; June 1.
Robenalt, Charlotte, Toledo, Ohio. Cake decorator. 1,587,241; June 1.
Robertson, Isaac D., New York, N. Y., and R. H. Robertson, Charleston, S. C. Headlight. 1,586,578; June 1.
Robertson, Richard H. (See Robertson, Isaac D., and R. H.)
Robinson, Gordon D., Annapolis, Md. Circuits for electron-discharge devices. 1,587,084; June 1.
Roessel, Louis & Co. (See Glattfelter, N. G., and Baberadt, assignors.)
Rogers, Charles B., Joplin, Mo. Rock crusher. 1,587,085; June 1.
Rogers, Horace L., Detroit, Mich., assignor to Keuffel and Esser Company, Hoboken, N. J. Lettering pen. 1,587,185; June 1.
Rojo y Reyes, Eduardo, Habana, Cuba, assignor to Havana Commercial Co., New York, N. Y. Cigarette and cigar wrapping machine. 1,587,417; June 1.
Rojo y Reyes, Eduardo, Habana, Cuba, assignor to Havana Commercial Co., New York, N. Y. Cigarette and cigar wrapping machine. 1,587,418; June 1.
Rome Radiation Company. (See Hart, Austin H., assignor.)
Root, William D., assignor to The Machinery Improvement Company, Cleveland, Ohio. Corn-popping device. 1,586,845; June 1.
Roots, James D., London, England. Apparatus for controlling the delivery of glass from furnaces to molds and the like. 1,586,704; June 1.
Rose, Sophia A., Elm Creek, Nebr. Curtain stretcher. 1,587,422; June 1.
Ross, James C., Seattle, Wash. Faucet. 1,586,846; June 1.
Roučka, Erich, Blansko, Czechoslovakia. Fluid-flow-control system. 1,586,705; June 1.
Rouse, Lovell M., Portland, Oreg. Traffic signal. 1,586,917; June 1.
Ruckstell Sales & Manufacturing Company. (See Burkhardt, Harry L., assignor.)
Rudolph, William, Croft, Kans. Automatic window-sash latch. 1,587,037; June 1.
Rumely, Vincent P., Detroit, Mich. Check or similar instrument. 1,587,242; June 1.
Russell, Titus, assignor to Holland Furnace Company, Holland, Mich. Nozzle connection for large-sized suction hose. 1,586,706; June 1.
Rustless Iron Corporation of America. (See Wild, Rognald, assignor.)
Rybin, Blahoslav J., assignor of one-fourth to C. J. Baldwin, Bridger, Mont. Charge-forming device. 1,587,423; June 1.
Rydberg, John T., Harrison, N. J., assignor to Supreme Player Action Corporation. Automatic cleaner and brake for player actions. 1,587,424; June 1.
Saco-Lowell Shops. (See Allen, Thomas M., assignor.)
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
Sakowski, Hugo K., Helsingfors, Finland. Container for matches, toothpicks, and kindred articles. 1,586,918; June 1.
Sakowski, Hugo K., Helsingfors, Finland. Container for matches in the shape of books or cards. 1,586,919; June 1.
Samson Cordage Works. (See Dalrymple, Philip W., assignor.)
Samson Cordage Works. (See Pratt, Herbert G., assignor.)
Samways, Alfred G., Providence, R. I. Ash receiver. Des. 70,293; June 1.
Sandelin, Alfred W., Minneapolis, Minn. Metallic screen frame. 1,586,708; June 1.
Sandor, Nicholas, Dresden, Germany. Electric-light container. 1,587,038; June 1.
Santon, Elliot A., and W. W. Bassett, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Box-lifter motion for looms. 1,587,086; June 1.
Sapp, James E., Bainbridge, Ga. Faucet. 1,587,186; June 1.
Sauer, John G., Rochester, N. Y. Air-moistening means for hot-air-furnace flues. 1,586,579; June 1.
Sauvage, Norman J., New York, N. Y. Hand brake. 1,587,039; June 1.
Savidis, Vasel, et al. (See Carafilidis, James, assignor.)
Schelleng, John C., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillating system. 1,586,580; June 1.
Schenck, Charles, Bethlehem, Pa., assignor to Bethlehem Steel Company. Entrainment gearing. 1,586,581; June 1.
Schepp, Otto, Tokyo, Japan. Cooling accumulator cell. 1,587,425; June 1.
Schirra, Julius, Cleveland Heights, Ohio. Fan casing. Des. 70,294; June 1.
Schlatter, Moses, and E. L. Lipp, Los Angeles, assignors by mesne assignments, to William Bros. Aircraft Corporation, San Francisco, Calif. Accelerator for internal-combustion engines. 1,587,040; June 1.
Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Press. 1,586,847; June 1.
Schletter & Zander Inc. (See Zander, Walter E., assignor.)
Schmiedel, Alfred J., Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. Driving mechanism for cigarette-filling machines or the like. 1,587,087; June 1.
Schmith, Baldini, Philadelphia, Pa. Circuit-closing device for automobiles. 1,587,489; June 1.
Schmitt, John G. (See Behn, A., and Schmitt.)
Schmuck, Philip A., Tulsa, Okla. Swivel rope socket. 1,586,920; June 1.
Schmutte, Jacob A., Corning, Mo. Stream-control apparatus. 1,587,187; June 1.
Schneible, Claude D., et al., trustees. (See Schneible, Joseph, assignor.)
Schneible-Ingram, Beatrice, administratrix. (See Schneible, Joseph.)
Schneible, Joseph, deceased, Chicago, Ill.; B. Schneible-Ingram, administratrix, assignor to C. D. Schneible, K. F. Schrerer, and B. B. Schneider, as trustees under the name of The Schneible Trust. Distillation. 1,587,188; June 1.
Schneider, Benjamin B., et al., trustees. (See Schneible, Joseph, assignor.)
Schranz, Wilhelm. (See Kropp, W., Schranz, and Schulemann.)
Schrerer, K. F., et al., trustees. (See Schneible, Joseph, assignor.)
Schulemann, Werner. (See Kropp, W., Schranz, and Schulemann.)
Schuler, Frank M., Winona, Minn., and W. C. Drury, Fulton, Ill. Article-feeding device for candy machines. 1,587,088; June 1.
Schumacher, John, Los Angeles, Calif. Making lath board. 1,587,189; June 1.
Schwelker, Dora A., Los Angeles, Calif. Pillow. Des. 70,295; June 1.
Schwier, William, assignor of one-half to L. B. Coats, Los Angeles, Calif. Towline. 1,587,426; June 1.
Schwier, William, assignor of one-half to L. B. Coats, Los Angeles, Calif. Towline. 1,587,427; June 1.
Schwinger, Abraham I., Philadelphia, Pa., assignor of one-half to E. J. Janowitz, Buffalo, N. Y. Electric-fixture coupling. 1,586,709; June 1.
Schwitzer, Louis, Indianapolis, Ind. Fan construction. 1,586,848; June 1.
Scott and Williams, Inc. (See Scott, Robert W., assignor.)

Scott Head Lamp Control. (See Calkins, James M., assignor.)
Scott, Ray W., Los Angeles, Calif., assignor to Radio Lab. & Mfg. Co. Film treating and handling device. 1,586,710; June 1.
Scott, Robert W., Babylon, assignor to Scott & Williams Inc., New York, N. Y. Seamless stocking. 1,587,428; June 1.
Secord, Frederick A., Portland, Me., assignor of one-third to C. H. Peters and one-third to A. P. Paterson, St. John, New Brunswick, Canada. Kiln. 1,587,041; June 1.
Selb, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Soldering apparatus. 1,587,429; June 1.
Sees, Joseph F. (See Dubrul, C. J., and Sees.)
Seifert, William V., Denver, Colo. Beet harvester. 1,587,243; June 1.
Selz, Walter, Baden, Switzerland, assignor to General Electric Company. Braking system. 1,587,430; June 1.
Sevier, Daniel. (See Boone, D., and Sevier.)
Seybold, Lawrence S., assignor to Reynolds Spring Company, Jackson, Mich. Molding machine. 1,587,431; June 1.
Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Fluid-pressure-actuated tool. 1,586,849; June 1.
Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system for controlling interpole excitation of rotary converters. 1,586,711; June 1.
Shaw, Clinton E., Philadelphia, Pa. Tool sharpener. 1,587,492; June 1.
Shaw, John C., assignor to Keller Mechanical Engineering Corp., Brooklyn, N. Y. Contouring tracer. 1,587,190; June 1.
Shea, George H. (See Tompkins, Lewis R., assignor.)
Shepard Electric Crane & Hoist Company. (See Wadd, R. J., and Parvin, assignors.)
Shepherd, Sydney H., Cricklewood, London, England. Production of high-pressure steam for motive purposes. 1,586,761; June 1.
Shepherd, Sydney H., Cricklewood, London, England. Fluid-pressure reciprocating engine. 1,586,762; June 1.
Sherman, Thomas L., Caulfield, Victoria, assignor to Crankless Engines Limited, Melbourne, Australia. Slipper guide for crankless engines. 1,587,191; June 1.
Shipley, John H., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. 1,587,244; June 1.
Shirey, Homer C. (See Pifer, Daniel M., assignor.)
Shugart, W. Y., et al. (See Holloman, Daniel B., assignor.)
Shupert, Frank W., Sanford, Fla. Stay-bolt construction. 1,586,921; June 1.
Siegel, Ernest, New York, N. Y. Lubricating device. 1,587,192; June 1.
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Hohagen, Walter, assignor.)
Signal Electric Mfg. Co. (See Fussner, George, assignor.)
Simond, Walter A. (See Murphy, G., and Simond.)
Simons, Philip, Pewamo, Mich. Harrow construction. 1,586,712; June 1.
Simplicity Engineering Company. (See Soldan, L. E., and Behnke, assignors.)
Simpson, George N., Chicago, Ill. Car holddown. 1,587,193; June 1.
Simpson, Mary L. (See Barker, John C., assignor.)
Sims, James E. (See Stanley, A., and Sims.)
Singer, Grover C., Oakland City, Ind. Portable coal tipple. 1,586,922; June 1.
Sirven, Joaquin, Buenos Aires, Argentina. System of padlocks. 1,587,432; June 1.
Sjolin, Ernest, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Attachment plug for electric iron. 1,586,713; June 1.
Skaruda, Ludwig M., Riverside, Ill. Hair band. Des. 70,296; June 1.
Skaruda, Ludwig M., Riverside, Ill. Hair band. Des. 70,297; June 1.
Skaruda, Ludwig M., Riverside, Ill. Hair band. Des. 70,298; June 1.
Skavstrand, Gunelius, Chicago, Ill. Casing. 1,587,042; June 1.
Skayef Ball Bearing Company, The. (See Brunner, Harold E., assignor.)
Skoglund, Gustaf, and A. Olson, Minneapolis, Minn. Terminal remover. 1,586,582; June 1.
Skowrelnsky, Leo. (See Gordon, I. E., and Skowrelnsky.)
Skrebba, Hans, Labr, Germany. Tackling or stapling machine. 1,586,583; June 1.
Sladden, Sidney C., Freeport, N. Y. Self-propelling hose nozzle. 1,587,194; June 1.
Sleplan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Crest voltmeter. 1,586,714; June 1.
Smith, Abram E., New York, N. Y. Outlet valve for tank cars. 1,587,245; June 1.
Smith, Arthur B., Denison, Tex. Headlight. 1,587,195; June 1.
Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Molding phenolic condensation products. 1,586,850; June 1.
Smith, Harry K., Baltimore, Md., assignor to Atlantic Cau Company, Wilmington, Del. Adjustable curling die. 1,587,433; June 1.
Smith, Henry A. (See Lee, O. T., and Smith.)
Smith, Howard L., Clarksville, Tenn. Antiglare headlight. 1,587,434; June 1.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,586,715; June 1.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,587,128; June 1.
Smith, Joseph W., et al. (See Howard, Frank W., assignor.)
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Nut-castellating machine. 1,587,246; June 1.
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Nut-castellating machine for small nuts. 1,587,247; June 1.
Smith, S. Morgan, Company. (See Leonard, James A., assignor.)
Smith, Theodore L. (See Caille, A. J., and Smith.)
Smith, William C., Corsicana, Tex. Gauge cock for boilers. 1,587,043; June 1.
Snow, Samuel P., jr., Salt Lake City, Utah. Surgical instrument. 1,586,716; June 1.
Snowmobile Company. (See White, Virgil D., assignor.)
Societe pour la Fabrication de la Sole "Rhodiaseta." (See Girardet, François, assignor.)
Society of Chemical Industry in Basle. (See Moser, Wilhelm, assignor.)
Sodastream Limited. (See Hucks, William, assignor.)
Solar-Sturges Mfg. Co. (See Miller, Arthur, assignor.)
Soldan, Lewis E., and G. W. Behnke, Gladwin, assignors to Simplicity Engineering Company, Durand, Mich. Quickly-detachable screen. 1,587,196; June 1.
Solomon, Louis, assignor of one-fourth to D. D. Glanz, New York, N. Y. Lock. 1,587,044; June 1.
Soper, Charles P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeating circuits and method. 1,586,584; June 1.
Sorum, Alexander E., Terre Haute, Ind., assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y. Adding and amount denominationalizing machine. 1,587,008; June 1.
Southgate, George T., Anniston, Ala. Joint working of flames and arcs and apparatus therefor. 1,587,197; June 1.
Spalding, A. G., & Bros. (See MacDonald, William W., assignor.)
Sparks-Withington Company, The. (See Withington, Philip H., assignor.)
Spaulding, Irwin A., and H. H. Heagle, Manitowoc, Wis. Sanitary mouthpiece for telephones. 1,587,198; June 1.
Spence, Herbert W., Toronto, Ontario, Canada. Microtome. 1,587,248; June 1.
Spencer, Alexander, Westminster, London, England, assignor to The Superheater Company, New York, N. Y. Steam superheater of the multiple smoke or fire tube type. 1,587,045; June 1.
Spencer, Thomas R., Lebanon, Ohio. Smoke-washing device. 1,586,763; June 1.
Spettigue, Edward B., assignor to J. M. Fisher Company, Attleboro, Mass. Bracelet hook 1,586,851; June 1.
Spicer, Clarence W., Plainfield, N. J., assignor to Spicer Manufacturing Corporation. Universal joint. 1,587,046; June 1.
Spicer Manufacturing Corporation. (See Spicer, Clarence W., assignor.)
Sprague Meter Company, The. (See Molden, George H., assignor.)
Staeblin, Otto, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Bluish green dyestuffs and color lakes therefrom and making same. 1,587,435; June 1.
Stafford Company, The. (See Cotchett, Louis M., assignor.)
Stallnaker, Earl G., Chicago, Ill. Secondary electric clock. 1,587,047; June 1.
Stalsby, James E., and J. R. Martin, assignors to W-K-M Company, Houston, Tex. Pipe puller. 1,586,852; June 1.
Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
Standard Development Company. (See Howard, Frank A., assignor.)
Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
Standard Underground Cable Company. (See Fisher, Henry W., assignor.)
Stanley, A. M., Lynn, and J. E. Sims, Quincy, assignors to Stanley Steel Welded Wheel Corporation, Boston, Mass. Welding machine. 1,586,585; June 1.
Stanley, Samuel E., Falls of Rough, Ky. Tire-chain fastener and lock. 1,586,853; June 1.
Stanley Steel Welded Wheel Corporation. (See Stanley, A. M., and Sims, assignors.)
Stanley Works, The. (See Parsons, Stuart W., assignor.)

Stansfield, William H., Auburn, N. Y. Display-supporting device. 1,586,854; June 1.
Starr, Fletcher C., Philadelphia, Pa., assignor to K. L. Martin, Montclair, N. J. Method and apparatus for burning oil. 1,587,249; June 1.
Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Polarized relay. 1,586,855; June 1.
Steam Pressing Iron Company. (See Clark, Frederick J., assignor.)
Steffens, John A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Obtaining absolute alcohol. 1,586,717; June 1.
Steffens, John A., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Apparatus for obtaining absolute alcohol. 1,586,718; June 1.
Stephenson, Robert J., Chicago, Ill. Roof flashing. 1,587,250; June 1.
Stern, Jacob L. (See Hanau, Rudolph L., assignor.)
Stern, Ludwig, New York, N. Y. Self-cleaning pipe. 1,587,048; June 1.
Stevens, Ernest A., deceased; A. W. Hart, administrator, assignor to E. A. Stevens, jr., Newton Falls, Ohio. Line and surface level. 1,587,436; June 1.
Stevens, Ernest A., jr. (See Stevens, Ernest A., assignor.)
Stevens, Ruey B., executrix. (See Stevens, Seriah.)
Stevens, Seriah, deceased, by R. B. Stevens, executrix, Roslindale, Mass., assignor, by mesne assignments, to Carr Fastener Company, Cambridge, Mass. Fastener. 1,586,856; June 1.
Stiansen, Anton P., Brooklyn, N. Y. Chain. 1,586,857; June 1.
Stimpson, Walter F. (See Dryden, William W., assignor.)
Stockland Road Machinery Company. (See Mentzer, Clarence A., assignor.)
Stokely, Ray L., Floral Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. 1,586,537; June 1.
Stokes, Jane G., Larchmont, N. Y. Doll shoe. Des. 70,299; June 1.
Stouffer, William F., and B. E. Lambert, Flint, assignors to General Motors Corporation, Detroit, Mich. Seat back. 1,587,199; June 1.
Stowasser, George A. (See Johnson, O. A., and Stowasser.)
Strachota, Clarence A., assignor to Liptak Fire Brick Arch Co., Minneapolis, Minn. Fire arch with air-intake ports. 1,586,858; June 1.
Strachota, Clarence A., assignor to Liptak Fire-Brick Arch Company, Chicago, Ill. Furnace wall. 1,586,859; June 1.
Street, G. W., et al. (See Lewis, Claude L., assignor.)
Streicher, Franz X., Hamburg, Germany. Interchangeable pipe flange. 1,587,251; June 1.
Stromberg Motor Devices Company. (See Gustafson, C. J., and Mock, assignors.)
Stromberg Motor Devices Company. (See Mock, Frank C., assignor.)
Stubbs, Everard, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Shaping machine. 1,587,252; June 1.
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Stump, Noah E. (See Flowers, E. B., and Stump.)
Sturge, Wilson H., Birmingham, England. Cable, cord, and like winding or absorbing device. 1,587,437; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,300; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,301; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,302; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,303; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,304; June 1.
Suderov, Abraham, New York, N. Y. Finger ring. Des. 70,305; June 1.
Sullivan Machinery Company. (See Halvorsen, Halbert B., assignor.)
Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
Superheater Company, The. (See Hard, Malcolm, assignor.)
Superheater Company, The. (See Spencer, Alexander, assignor.)
Supreme Player Action Corporation. (See Rydberg, John T., assignor.)
Sutcliffe, William C., Sydney, New South Wales, Australia. Record cabinet. 1,587,200; June 1.
Swab, Jay G., Brooklyn, assignor, by mesne assignments, to Continental Paper & Bag Mills Corporation, New York, N. Y. Compensating or regulating device for paper webs. 1,586,719; June 1.
Swanson, Richard M., Minneapolis, Minn. Sifter for ashes in furnaces. 1,586,860; June 1.
Swartz, Arthur L. (See Pomeroy, G. O., and Swartz.)
Swebilius, Carl G., assignor to The Marlin Firearms Corporation, New Haven, Conn. Repeating firearm. 1,587,049; June 1.
Swett, Raymond F., and R. W. Neel, Medina, assignors to Erie Pump & Engine Works, Medina, N. Y. Pump. 1,586,586; June 1.
Taddey, Paul H. (See Bonneau, Isaac, assignor.)
Tainton, Urlyn C., Johannesburg, Transvaal, South Africa. Electrolytic recovery of metals from solutions. 1,587,438; June 1.
Talmage Manufacturing Company, The. (See Thurston, Herman B., assignor.)
Talos, John, Akron, Ohio. Tire. 1,587,439; June 1.
Tanner, Harry L., Brooklyn, N. Y. Electrical indicator. 1,587,050; June 1.
Tanner, Inos B., Chicago, Ill. Liquid-treating apparatus. 1,587,129; June 1.
Taplin, Carleton V., East Orange, N. J., assignor to American Telephone and Telegraph Company. Testing system for testing subscribers' station apparatus. 1,586,587; June 1.
Tarbox, John P., Garden City, N. Y. High chair. 1,587,253; June 1.
Taseff, John, Los Angeles, Calif. Plasterer's hawk. 1,587,254; June 1.
Taylor, Cecil H., Detroit, Mich. Gearing. 1,586,861; June 1.
Taylor, Edward, Chicago, Ill., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,587,440; June 1.
Taylor, Roy, assignor of one-half to D. A. Cant, Los Angeles, Calif. Casing-head apparatus. 1,587,441; June 1.
Technicolor Motion Picture Corporation. (See Ball, Joseph A., assignor.)
Teetsal, Richard M., assignor to Endicott Johnson Corporation, Endicott, N. Y. Heel. 1,587,442; June 1.
Templeton, John M., Johannesburg, South Africa, assignor to Vacuum Oil Company, New York, N. Y. Lubricator for fluid motors. 1,586,954; June 1.
Ten Eyck, William B., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Applying magnetic material to electrical conductors. 1,586,862; June 1.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Instrument drive. 1,587,201; June 1.
Terwilliger, Ernest M., Rochester, Pa. Sign. 1,587,443; June 1.
Thermal Syndicate Ltd., The. (See Winship, William W., assignor.)
Thomas, Eugene A., Chicago, Ill. Carpet cleaning and disinfecting machine. 1,587,444; June 1.
Thomas, R., & Sons Company, The. (See Eckert, Grandon E., assignor.)
Thompson, Frederick B., Los Angeles, Calif. Photographic-film-treating apparatus. 1,587,051; June 1.
Thompson, George, Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephne-exchange system. 1,586,538; June 1.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric welding or riveting. 1,587,445; June 1.
Thomson, William M., Chepstow, England. Bolt. 1,587,089; June 1.
Thornton, William P., Park Ridge, Ill. Refining or treating sulphur. 1,586,539; June 1.
Thorssell, Carl T., E. C. Beck-Friis, and E. E. D. Edlundh, Gottenborg, Sweden. Charging hopper for electric furnaces. 1,586,588; June 1.
Thurston, Herman B., Cleveland Heights, assignor to The Talmage Manufacturing Company, Cleveland, Ohio. Composite-metal plug. 1,587,255; June 1.
Thurston, Howard, Beechhurst, and H. Jansen, New York, N. Y. Method of and apparatus for producing theatrical illusions. 1,586,863; June 1.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Multifocal lens. 1,587,130; June 1.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,587,131; June 1.
Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
Titeflex Metal Hose Co. (See Westinghouse, H. H., and Fulton, assignors.)
Titusville Forge Company. (See Montgomery, Gustavus A., assignor.)
Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
Tolputt, Herbert, Sheffield, England. Valve for motive-power engines of the reciprocatory type. 1,587,052; June 1.
Tompkins, Lewis R., Atlantic City, N. J., assignor of one-half to G. H. Shea, Quarryville, Pa. Rope clamp. 1,587,202; June 1.
Torey, Edgar J., Freeport, Ill. Combination water bottle, ice bag, and syringe. 1,586,720; June 1.
Törnblom, Gustaf A., Stockholm, Sweden. Device for grinding the tightening surface around door holes of steam boilers and the like. 1,587,053; June 1.
Toupet, Julius H., and V. O. Foulk, Pittsburgh, Pa.; said Toupet assignor to said Foulk. Rotary oil-shale retort. 1,587,256; June 1.
Towler, Maximilian J. L., Detroit, Mich. Awning attachment. 1,587,132; June 1.
Townsend, Elvin E., Watsonville, Calif. Well-drilling equipment. 1,586,923; June 1.

Tractor Grip Wheel Company, The. (See Wine, William E., assignor.)
Tryon, William A., New York, N. Y. Shackle. 1,586,721; June 1.
Tugwell, William. (See Dandy, E. C., and Tugwell.)
Tweed, Clarence M., Keithsburg, Ill. Combined barrel lift and stand. 1,587,090; June 1.
Tweedy, John E., Poughkeepsie, N. Y., assignor to Phoenix Horse Shoe Company, Chicago, Ill. Apparatus for use in the manufacture of horseshoes. 1,586,540; June 1.
Tyden, Emil, Evanston, Ill. Dry-pipe-valve-accelerating device. 1,586,722; June 1.
Undeland, Andrew L., and H. C. Kelly, Omaha, Nebr.; said Kelly assignor to said Undeland. Hair clipper. 1,586,924; June 1.
Underwood Typewriter Company. (See Greenwood, George A., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
Union Stove Works, The. (See Glaessner, Arthur F., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)
U. S. Industrial Alcohol Co. (See Clapp, Elwood I., assignor.)
U. S. Industrial Alcohol Co. (See Steffens, John A., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Schmiedel, Alfred J., assignor.)
Urle, David A., Chicago, Ill. Machine for attaching color chips to cards. 1,586,864; June 1.
Vacuum Oil Company. (See Templeton, John M., assignor.)
Vanadia, Anthony C., Flint, Mich. Safety gas-jet attachment. 1,587,091; June 1.
Van Alstine, Frank, San Diego, Calif. Reenforcing structure for molded caskets. 1,587,257; June 1.
Van Dresser Brothers. (See Van Dresser, William C., assignor.)
Van Dresser, William C., Detroit, Mich., assignor to Van Dresser Brothers. Boring tool. 1,587,092; June 1.
Van Patten, Louis C., Cheney, Wash. Rotary-rod weeder. 1,586,925; June 1.
Van Veen, Anton, assignor to The Fuller Brush Company, Hartford, Conn. Stopping mechanism for wire-twisting machines. 1,587,093; June 1.
Vickers Limited. (See Lucas, Owen D., assignor.)
Viers, Arthur, Red Lodge, Mont. Fishing rod. 1,587,446; June 1.
Von Auw, Alwin, and C. A. Finley, assignors to Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf binder. 1,587,447; June 1.
Vogel, Paul H., New Britain, Conn. Stock for spirit levels. 1,587,258; June 1.
Vulcan Last Company, The. (See Clausing, George, assignor.)
W-K-M Company. (See Stalsby, J. E., and Martin, assignors.)
Wachowicz, Jakob, Hamtramck, Mich. Heating apparatus. 1,587,448; June 1.
Wadd, Roy J., Montour Falls, N. Y., and E. G. Parvin, Roselle, N. J., assignors to Shepard Electric Crane & Hoist Company, Montour Falls, N. Y. Hoisting. 1,587,259; June 1.
Wade, Charles B., Roanoke, Va. Automatic safety attachment for pneumatic hammers. 1,586,865; June 1.
Wadsworth Watch Case Company, The. (See Beebe, M. C., and Murray, assignors.)
Wadsworth Watch Case Company, The. (See Beebe, M. C., Murray, and Herlinger, assignors.)
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Fountain pen. 1,586,541; June 1.
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor clamp. 1,586,723; June 1.
Walen, Ernest D., Melrose, Mass., assignor of one-fifth to W. S. Burrill, one fifth to A. F. Knight, and one-fifth to W. T. Mayo, Hamilton, Ontario, Canada, also one-fifth to R. Hathaway, Braintree, Mass. Treatment of cotton fabrics. 1,587,094; June 1.
Walker, J. Garfield, et al. (See Perkins, William P., assignor.)
Walker, John A., et al. (See Lewis, Claude L., assignor.)
Walker, Joseph W., Topeka, Kans. Liquid-fuel gauge. 1,586,589; June 1.
Wallace, R., & Sons Mfg. Co. (See Hillbom, Henrik, assignor.)
Waller, Jesse S., Terre Haute, Ind. Combined bumper and shock absorber. 1,586,866; June 1.
Walter, Fred, Taft, Calif. Air choke for gas motors. 1,586,926; June 1.
Wandscheer, Dan, Sioux Center, Iowa. Snowplow. 1,587,449; June 1.
Warford Corporation, The. (See Morgan, Guy, assignor.)
Warner, Chester E. (See Benjamin, R. B., and Warner.)
Warner, Ernest J., Oppenheim, N. Y. Fruit picker. 1,586,867; June 1.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,586,724; June 1.
Warren, John B., New York, N. Y. Doll. 70,306; June 1.
Webb, Florentina, London, England. Vacuum-cleaner bag. 1,586,868; June 1.
Weber, Fritz. (See Laska, A. L., and Weber.)
Weber, Isaac E., assignor of one-half to B. Laporte Limited and one-fourth to H. E. Alcock, Luton, England. Treatment of barium peroxide for obtaining peroxide of hydrogen and an improved "blanc fixe." 1,587,450; June 1.
Webster, Bester R., assignor to Reliance Die & Stamping Company, Chicago, Ill. Electrical condenser. 1,587,095; June 1.
Wehrle Company, The. (See Pickup, George E., assignor.)
Weidlich Sterling Spoon Co. (See Flauder, Alfred J., assignor.)
Weill, Samuel E., London, England. Machine for polishing sheet material. 1,586,542; June 1.
Weiss, Charles R., Indianapolis, assignor to Link-Belt Company, Chicago, Ill. Chain link. 1,587,054; June 1.
Wells, Dana W., Dansville, N. Y. Watchcase type receiver. 1,587,203; June 1.
Wesener, John A., Chicago, Ill. Cereal food product and preparing same. 1,586,869; June 1.
Weser Bros., Inc. (See Whitehouse, Grant, assignor.)
Westberg, Sigurd, Germantown, Pa. Refining metals. 1,586,543; June 1.
Western Electric Company. (See Betts, Walter L., assignor.)
Western Electric Company. (See Blount, Nelson, assignor.)
Western Electric Company. (See Buckley, Oliver E., assignor.)
Western Electric Company. (See Clark, Edgar H., assignor.)
Western Electric Company. (See Clokey, Allison A., assignor.)
Western Electric Company. (See Curtis, Austen M., assignor.)
Western Electric Company. (See Davis, Richard C., assignor.)
Western Electric Company. (See Edwards, George D., assignor.)
Western Electric Company. (See Elmen, Gustaf W., assignor.)
Western Electric Company. (See Friis, Harald T., assignor.)
Western Electric Company. (See Fry, Jacob R., assignor.)
Western Electric Company. (See Gilbert, John J., assignor.)
Western Electric Company. (See Gilbert, J. J., and Clokey, assignors.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company. (See Haddock, Arthur, assignor.)
Western Electric Company. (See Harlow, John B., assignor.)
Western Electric Company. (See Harris, James E., assignor.)
Western Electric Company. (See Harris, Jonathan W., assignor.)
Western Electric Company. (See Helsing, Raymond A., assignor.)
Western Electric Company. (See Hinrichsen, Edward E., assignor.)
Western Electric Company. (See Honan, Edward M., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Kemp, Archie R., assignor.)
Western Electric Company. (See Lundius, Eric R., assignor.)
Western Electric Company. (See Mathes, Robert C., assignor.)
Western Electric Company. (See Newman, Paul A., assignor.)
Western Electric Company. (See Nichols, Harold W., assignor.)
Western Electric Company. (See Peterson, Eugene, assignor.)
Western Electric Company. (See Schelleng, John C., assignor.)
Western Electric Company. (See Soper, Charles P., assignor.)
Western Electric Company. (See Stokely, Ray L., assignor.)
Western Electric Company. (See Ten Eyck, William B., assignor.)
Western Electric Company. (See Thompson, George, assignor.)

Western Electric Company. (See White, John H., assignor.)
Western Electric Company. (See Whittle, Horace, assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Howry, Aaron D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnston, Richard J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mallory, Edward B., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCoy, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shand, Errol B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Steplan, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils A., assignor.)
Westinghouse, Henry H., New York, N. Y., and W. H. Fulton, Irvington, N. J., assignors, by mesne assignments, to Titeflex Metal Hose Co. Swivel coupling. 1,586,725; June 1.
Wetzell, Clarence A., Sterling, Ill. Mechanical toy. 1,586,870; June 1.
Wheaton, Harold J., Lower Walton, near Warrington, England, assignor, by mesne assignments, to American Doucil Company, Philadelphia, Pa. Base-exchange silicate and making it. 1,586,764; June 1.
Wheeler, Arthur E., Logansport, Ind. Combined radio loud speaker and lamp. 1,587,096; June 1.
White, Calvin J., Marshalltown, Iowa. Fastening device for demountable rims. 1,587,260; June 1.
White, Charles G., Sault Ste. Marie, Mich. Traction chain. 1,587,097; June 1.
White, Henry W., Commack, N. Y. Paper-handling machinery. 1,586,544; June 1.
White, J. H., Manufacturing Company. (See Kahns, W. R., and Keller, assignors.)
White, Jay C., New Castle, Pa. Lathe. 1,587,261; June 1.
White, John H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Casting metals. 1,586,871; June 1.
White, Louis M., Mount Vernon, Ind. Shade fixture. 1,587,451; June 1.
White, S. S., Dental Manufacturing Company, The. (See Heck, George D., assignor.)
White, S. S., Dental Manufacturing Company, The. (See Joline, Emmet A., assignor.)
White, Virgil D., West Ossipee, assignor to Snowmobile Company, Rochester, N. H. Traction-belt mechanism. 1,587,262; June 1.
Whitehouse, Grant, assignor to Weser Bros., Inc., New York, N. Y. Mechanical musical instrument. 1,587,204; June 1.
Whiting Corporation. (See Coffey, Oscar L., assignor.)
Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Power-take-off device for motor vehicles. 1,587,205; June 1.
Whittle, Horace, assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer circuits. 1,587,098; June 1.
Wilcox, Joseph, jr., assignor to The Wilcox Novelty Company, Athol, Mass. Clock casing. 1,586,765; June 1.
Wilcox Novelty Company, The. (See Wilcox, Joseph, jr., assignor.)
Wild, Ronald, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America. Manufacture of ferrochromium alloy. 1,586,590; June 1.
Wild, Ronald, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America. Manufacture of ferro alloys, particularly ferrochromium alloys. 1,586,591; June 1.
Wild, Ronald, Holmesfield, England, assignor, by mesne assignments, to Rustless Iron Corporation of America. Manufacture of unstainable irons and steels. 1,586,592; June 1.
Wilkinson, William, Shustoke, and A. Green, Coventry, England. Ornamental sheet metal and manufacture of the same. 1,586,927; June 1.
Willett, William, Toronto, Ontario, Canada. Water heater. 1,587,100; June 1.
Williams, Alphonzo L. Z., Chicago, Ill. Union suit. 1,587,099; June 1.
Williams Bros. Aircraft Corporation. (See Schlatter, M., and Lipp, assignors.)
Williams, Charles E., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 1,587,206; June 1.
Williams, Gilbert H., and O. C. Hufnagle, Dayton, Ohio. Liquid-dispensing pump. 1,586,766; June 1.
Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Automobile wheel. 1,586,545; June 1.
Willners, John A., Philadelphia, Pa., assignor, by mesne assignments, to Bayard Manufacturing Corporation, Wilmington, Del. Oil burner. 1,587,263; June 1.
Wilson, Charles G., Company. (See Johnston, R. B., and Giesecke, assignors.)
Wilson, Edward C., Oak Park, Ill., assignor to Hemphill Company, Central Falls, R. I. Stocking and making same. 1,587,264; June 1.
Wilson, Frederick D., R. C. Livesay, and O. F. Carlson, assignors to Deere & Company, Moline, Ill. Bundle carrier. 1,587,452; June 1.
Wilson, John H., Burkburnett, Tex. Self-propelled winch. 1,587,453; June 1.
Wilson, John R., Kelso, Wash. Hydraulic vise. 1,587,454; June 1.
Wilson, William A., New London, Minn. Stump puller. 1,586,872; June 1.
Wilson, Wylie G., Jersey City, N. J., assignor to Everlasting Valve Company. Valve. 1,587,055; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor shoe. 1,586,928; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor shoe. 1,586,929; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor shoe. 1,586,930; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor shoe. 1,586,931; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor wheel. 1,586,932; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor wheel. 1,586,933; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor shoe. 1,586,934; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor wheel. 1,586,935; June 1.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Tractor wheel. 1,587,056; June 1.
Winford, Levis W., 2d. (See Pond, William H., assignor.)
Winship, William W., Freeport, assignor to The Thermal Syndicate Ltd., Brooklyn, N. Y. Composition of matter and making the same. 1,587,057; June 1.
Winter, John R., assignor to Motor Wheel Corporation, Lansing Mich. Disk for vehicle wheels. 1,586,726; June 1.
Winthrop Chemical Company. (See Hahl, Hans, assignor.)
Winthrop Chemical Company. (See Kropp, W., Schranz, and Schulemann, assignors.)
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Gear-grinding machine. 1,587,058; June 1.
Wisroth, Ernst, assignor of one-half to R. D. Raphael, Los Angeles County, Calif. Coin-controlled vending machine. 1,586,936; June 1.
Withington, Philip H., Cleveland, Ohio, assignor to The Sparks-Withington Company, Jackson, Mich. Diaphragm signal. 1,587,059; June 1.
Witt, Hans D., Blankenmoor, near Heide-in-Holstein, Germany. Swimming appliance. 1,586,873; June 1.
Wolfe, John A., et al. (See Haubert, Leo, assignor.)
Wolff, Walther, Karlshorst, Germany, assignor to General Electric Company. Vacuum-tube connection. 1,587,456; June 1.
Wood Brothers. (See Wood, Omer, assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Perfecting web press. 1,587,455; June 1.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Omer, assignor to Wood Brothers, Schenectady, N. Y. Blow-out patch. 1,587,457; June 1.
Woolner, Adolph, jr., Peoria, Ill. Producing fertilizer and cattle feed. 1,587,101; June 1.
Workman, Margaret A., Kansas City, Kans. Sewing machine attachment. 1,587,458; June 1.
Workman, Samuel T., jr., Moorestown, N. J. Mechanically-operated toy. 1,587,459; June 1.
Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,587,102; June 1.
Wurf, Sigmund, Roxbury, Boston, assignor of one-half to C. De Simone, Boston, Mass. Inlaying designs on glass. 1,586,727; June 1.
Wurthington Pump and Machinery Corporation. (See Dorer, Oscar H., assignor.)
Wyckoff, James E., Rochester, N. Y. Telephone attachment. 1,587,460; June 1.
Wyeth, George A., New York, N. Y. Therapeutic thermophore. 1,586,546; June 1.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,587,461; June 1.
Wyman, George R., Walpole, Mass. Tube-making machine. 1,586,593; June 1.
Wyman-Gordon Company. (See Damerell, Mark H., assignor.)

Yoshizawa, Koreo, Gumma-Ken, Japan. Producing tuberculin. 1,586,937; June 1.
Zagorodny, John, Hartford, Conn. Combination clapper and rattler. 1,587,103; June 1.
Zander, Walter E., assignor to Schletter & Zander Inc., Philadelphia, Pa. Stocking. Des. 70,307; June 1.
Zbar, Isidor, Leipzic-Neuschonefeld, Germany. Portable electric-current-generating plant. 1,586,728; June 1.
Zinke, Alois, Graz, Austria, assignor, by mesne assignments, to F. Bensa, Genova, Italy. Manufacturing amino perylene quinones. 1,586,729; June 1.
Zinke, Alois, and F. Hanselmayer, Graz, Austria, assignors, by mesne assignments, to F. Bensa, Genova, Italy. Manufacturing vat dyes. 1,586,730; June 1.
Zitscher, Arthur. (See Laska, A. L., and Zitscher.)
Zitscher, Arthur, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Azodyestuffs and making same. 1,587,060; June 1.
Zublin, John A., Los Angeles, Calif. Impact drill. 1,587,265; June 1.
Zublin, John A., Los Angeles, Calif. Forming a well bore. 1,587,266; June 1.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adding and amount denominationalizing machine. A. E. Sorum. 1,587,008; June 1.
Adjusting and locking device. T. J. Power. 1,586,536; June 1.
Advertising machine. G. M. Rhone. 1,586,842; June 1.
Aerial, Loop. M. Mathiesen. 1,587,166; June 1.
Air-cooling device. J. R. Bridge. 1,586,941; June 1.
Air humidifying and cleaning apparatus. J. E. Bolling. 1,587,277; June 1.
Air or gas preheater, Regenerative. F. Ljungström. 1,586,816; June 1.
Air preheater, Regenerative. F. Ljungström. 1,586,817; June 1.
Alcohol, Obtaining absolute. J. A. Steffens. 1,586,717–18; June 1.
Alcohol process, Absolute-. E. I. Clapp. 1,586,732; June 1.
Alloy. C. W. Heppenstall. 1,587,231; June 1.
Alloys, Manufacture of ferrochromium. R. Wild. 1,586,590; June 1.
Alloys, particularly ferrochromium alloys, Manufacture of ferro. R. Wild. 1,586,591; June 1.
Amino perylene quinones, Manufacturing. A. Zinke. 1,586,729; June 1.
Ampere-hour meter. G. F. Bason. 1,586,643; June 1.
Animal tissue to coagulate the same, Treating. W. Bierman. 1,586,645; June 1.
Animal trap. O. T. Lee and H. A. Smith. 1,586,630; June 1.
Anchor. J. F. Bell. 1,586,957; June 1.
Anchor and forming same, Ground. L. C. Jones. 1,587,329; June 1.
Anklet. G. Disken. Des. 70,268; June 1.
Antenna, Inductive loop. S. Davidse. 1,586,657; June 1.
Antiglare device. H. L. Burk. 1,587,144; June 1.
Antiskid device. E. H. Carey. 1,587,283; June 1.
Antiskid device. S. Hisanosuke. 1,587,313; June 1.
Antitheft device. J. A. Martin. 1,587,395; June 1.
Article blank and method of cutting articles. R. S. Oliver. 1,587,028; June 1.
Article holder. B. Noble. 1,587,175; June 1.
Ash receiver. A. C. Samways. Des. 70,293; June 1.
Astrological chart and indicating device. K. Manahan. 1,587,018; June 1.
Attenuation-controlling device. O. B. Blackwell. 1,587,363; June 1.
Auto license-plate holder. F. Kuhn. 1,586,904; June 1.
Automobile carburetors, Air cleaner for. E. P. du Pont. 1,586,980; June 1.
Automobile signal. C. W. Jordan. 1,587,159; June 1.
Automobile wheel. W. E. Williams. 1,586,545; June 1.
Automobiles, Circuit-closing device for. B. Schmith. 1,587,489; June 1.
Automobiles, Concealed emergency seat structure for. J. Ledwinka. 1,587,006; June 1.
Automobiles, Snowplow attachment for. J. W. Davies. 1,586,786; June 1.
Automobiles, Thermostatically-controlled radiator shutter for. C. A. Pipenhagen. 1,586,534; June 1.
Awning, Adjustable. F. A. Anton. 1,587,135; June 1.
Awning attachment. M. J. L. Towler. 1,587,132; June 1.
Awning frame. W. G. Hopkins. 1,587,316; June 1.
Awning, Window. F. A. Anton. 1,587,134; June 1.
Azodyestuffs and making same. A. Zitscher. 1,587,060; June 1.
Balanced ball. R. F. Arnott. 1,586,514; June 1.
Ball: *See*—
Balanced ball. Sport ball.
Float ball.
Ball-race extractor. E. E. Hendrickson. 1,587,153; June 1.
Barium peroxide for obtaining peroxide of hydrogen and an improved "blanc fixe," Treatment of. I. E. Weber. 1,587,450; June 1.
Barrel lift and stand. Combined. C. M. Tweed. 1,587,090; June 1.
Barrel loader. A. McDowell. 1,586,908; June 1.
Battery. G. H. Riebeth. 1,587,356; June 1.
Battery gases, Treatment of storage-. J. M. Clark. 1,587,147; June 1.
Battery plate, Storage-. O. A. Johnson and G. A. Stowasser. 1,587,326; June 1.
Bearing and spring clip, Crank-case front. E. S. Dickerson. 1,586,882; June 1.
Bearing, Ball. A. Riebe. 1,587,184; June 1.
Bearing mounting. H. E. Brunner. 1,586,779; June 1.
Belt life guard. G. Di Giovanni. 1,587,476; June 1.
Belt mechanism, Traction-. V. D. White. 1,587,262; June 1.
Billets, Mill for piercing. S. E. Diescher. 1,586,975; June 1.
Bin: *See*—
Coal bin.
Binder, Loose-leaf. A. Von Auw and C. A. Finley. 1,587,447; June 1.
Blending machine. B. S. Harrington. 1,587,302; June 1.
Block-making machine. A. J. Heskett. 1,586,805; June 1.
Block: *See*—
Building block.
Blocks and the like, Core for forming apertures in molded. D. W. Brown. 1,586,603; June 1.
Boiler: *See*—
Ham boiler.
Boiler cleaner. J. C. Richards. 1,586,843; June 1.
Boilers and the like, Device for grinding the tightening surface around door holes of steam. G. A. Tornblom. 1,587,053; June 1.
Boilers, Gauge cock for. W. C. Smith. 1,587,043; June 1.
Bolster plate. F. W. Chriswell. 1,586,782; June 1.
Bolt: *See*—
Lock bolt.
Bolt. W. M. Thomson. 1,587,089; June 1.
Bookkeeping appliance. S. Grossman. 1,587,299; June 1.
Boots and shoes, Sole for. J. E. Grosjean. 1,587,377; June 1.
Boring tool. W. C. Van Dresser. 1,587,092; June 1.
Bottle J. M. Lents. Des. 70,281; June 1.
Bottle, Beverage. F. W. Bireley. Des. 70,261; June 1.
Bottle-crowner head. J. J. Gaynor. 1,587,374; June 1.
Bottle, Ice bag, and syringe, Combination water. E. J. Torey. 1,586,720; June 1.
Bottle opener, Milk-. M. B. Behrman. 1,587,490; June 1.
Bottle or similar article. A. D. Lewis. Des. 70,204; June 1.
Bowl, Detachable drinking. M. B. Bulger. 1,586,780; June 1.
Box: *See*—
Display box. Powder box.
File box.
Box or like article for dry food products. C. W. Allen Des. 70,259; June 1.
Brace: *See*—
Door brace.
Bracelet hook. E. H. Spettigue. 1,586,851; June 1.
Braider tension. E. C. Dandy and W. Tugwell. 1,587,474; June 1.
Braiding machine. P. W. Dalrymple. 1,587,150; June 1.
Brake: *See*—
Hand brake. Vehicle brake.
Brake-operating connection. J. L. Price. 1,586,699; June 1.
Braking system. W. Seiz. 1,587,430; June 1.
Brick machine. A. J. Heskett. 1,586,804; June 1.
Bridle attachment. D. Briggle. 1,586,602; June 1.
Broom. D. M. Pifer. 1,587,412; June 1.
Broom handle. A. Flowers. 1,587,369; June 1.
Brush. E. E. Curtis. 1,586,785; June 1.
Brush, Paint. V. G. Erickson and C. A. Goodbaudy. 1,587,481; June 1.
Brushing apparatus for washing the human body. J. Pfeufer. 1,587,353; June 1.
Building block, Corner. G. Ey. 1,587,482; June 1.
Building construction. W. G. Carnegie. 1,587,145; June 1.
Building construction. B. F. Clark. 1,587,473; June 1.
Building construction, Joint protector for. G. V. Reinhardt. 1,586,700; June 1.
Bumper and shock absorber, Combined. J. S. Waller. 1,586,866; June 1.
Bumper-bracket construction. J. C. Griffin. 1,586,988; June 1.
Bundle carrier. F. D. Wilson, R. C. Livesay, and O. F. Carlson. 1,587,452; June 1.
Burner: *See*—
Oil burner.
Butter, Coated. W. H. Pond. 1,587,414; June 1.
Buttons, Manufacturing of. P. Anft. 1,586,731; June 1.
Cabinet, Record. W. C. Sutcliffe. 1,587,200; June 1.

Cable, cord, and like winding or absorbing device. W. H. Sturge. 1,587,437; June 1.
Cable signaling, Submarine. J. J. Gilbert. 1,586,895; June 1.
Cable system, Submarine. J. J. Gilbert, and A. A. Clokey. 1,586,894; June 1.
Cable systems, Drainage method for four-wire. R. G. McCurdy. 1,586,633; June 1.
Cables, Apparatus for the manufacture of electric. A. G. Brown. 1,586,943; June 1.
Cables, Method and apparatus for impregnating. H. W. Fisher. 1,587,110; June 1.
Cake decorator. C. Robenalt. 1,587,241; June 1.
Calk. E. R. Jones. 1,587,000; June 1.
Calking compound. J. S. McGill. 1,587,016; June 1.
Can: *See*—
Refrigerator can.
Can-forming mechanism. V. Mauck. 1,587,169; June 1.
Candy machines, Article feeding for. F. M. Schuler and W. C. Drury. 1,587,088; June 1.
Cap and dauber, Metallic. A. Podel. 1,586,535; June 1.
Cap, Miner's. A. Reppa. 1,586,701; June 1.
Car diaphragm. N. J. Klos. 1,586,812; June 1.
Car holddown. G. N. Simpson. 1,587,193; June 1.
Car truck, Railway-. T. Elliott. 1,586,789–90; June 1.
Car, Tunnel-kiln. M. F. Beecher and A. E. Olson. 1,587,210; June 1.
Cars, Coupling device for. F. W. Henrikson. 1,587,230; June 1.
Cars, Coupling device for railway draft. F. W. Henrikson. 1,587,229; June 1.
Cars, Method of and apparatus for distributing. O. P. Haines. 1,586,989; June 1.
Cars, Outlet valve for tank. A. E. Smith. 1,587,245; June 1.
Cars, Rubber-cushion draft gear for railway. F. L. Lipcot. 1,586,531; June 1.
Carouretor. P. C. Booty. 1,586,601; June 1.
Carburetor. C. J. Gustaison and F. C. Mock. 1,586,671; June 1.
Carburetor. F. C. Mock. 1,586,683–4; June 1.
Carburetor. C. E. Williams. 1,587,206; June 1.
Card register. L. Lichtenstein. 1,587,336; June 1.
Cards, Machine for attaching color chips to. D. A. Urie. 1,586,864; June 1.
Carpet cleaning and disinfecting machine. E. A. Thomas. 1,587,444; June 1.
Carrier: *See*—
Bundle carrier. Tire carrier.
Cart, Harrow. H. S. Bulfer. 1,587,467; June 1.
Case: *See*—
Cigarette case. Scale case.
Casing. G. Skavstrand. 1,587,042; June 1.
Casing-head apparatus. R. Taylor. 1,587,441; June 1.
Caskets, Reenforcing structure for molded. F. Van Alstine. 1,587,257; June 1.
Cell, Cooling accumulator. O. Schepp. 1,587,425; June 1.
Cereal food product and preparing the same. J. A. Wesener. 1,586,869; June 1.
Chain. A. P. Stiansen. 1,586,857; June 1.
Chain link. C. R. Weiss. 1,587,054; June 1.
Chair: *See*—
Dental chair. High chair.
Chair and table adjusting mechanism. F. Koenigkramer. 1,586,752; June 1.
Chalk line and plumb bob, Combined. E. A. Conway. 1,586,654; June 1.
Charge-forming device. B. J. Rybin. 1,587,423; June 1.
Check or similar instrument. V. P. Rumely. 1,587,242; June 1.
Check protectors, Machine for making. C. C. McCombs. 1,587,237; June 1.
Check, Rebound. R. H. Hassler. 1,586,799; June 1.
Checking mechanism. T. D. Hubbell. 1,586,901; June 1.
Chemical compounds, Process and apparatus for the heat treatment of. F. X. Govers. 1,587,115; June 1.
Churn. L. Morris. 1,586,910; June 1.
Chute, Foldable and adjustable hog. J. A. Myers. 1,587,348; June 1.
Cigar-box moistener. J. Allen. 1,586,938; June 1.
Cigar-bunch machine. C. J. Du Brul and J. F. Sees. 1,587,478; June 1.
Cigarette and cigar wrapping machine. E. Rojo y Reyes. 1,587,417–18; June 1.
Cigarette case. D. Burkey and A. R. Burtnett. 1,587,468; June 1.
Cigarette-filling machines or the like, Driving mechanism for. A. J. Schneidel. 1,587,087; June 1.
Cigarettes and matches in original packages, Case for. J. E. Peterson. 1,587,178; June 1.
Cinematography. J. A. Ball. 1,586,771; June 1.
Circuit-breaker system, Automatic reclosing. Edw. Taylor. 1,587,440; June 1.
Circuit controller, Ramp-governed. J. Beaumont. 1,586,772; June 1.
Circuits and method, Repeating. C. P. Soper. 1,586,584; June 1.
Clamp: *See*—
Polish-rod clamp. Strain clamp.
Rope clamp. Trolley-conductor clamp.
Shoe clamp.
Clamping device. F. J. Kline. 1,587,335; June 1.
Clapper and rattler, Combination. J. Zagorodny. 1,587,103; June 1.
Clay tempering and expressing apparatus. W. L. Hanley, jr. 1,587,300; June 1.
Clays and similar materials, Drying. T. H., Rhoads. 1,587,419; June 1.
Cleaner: *See*—
Boiler cleaner.
Clearance control, Multiple. F. van D. Longacre. 1,587,013; June 1.
Clearance control, Series. F. van D. Longacre. 1,587,014; June 1.
Clearance unloader. F. van D. Longacre. 1,587,015; June 1.
Clip: *See*—
Bearing and spring clip.
Clip. F. W. Corey. 1,586,656; June 1.
Clipper, Hair. A. L. Undeland and H. C. Kelly 1,586,924; June 1.
Clock, Advertising and calendar. T. O. Nall and E. J. Beauvais. 1,587,173; June 1.
Clock casing. J. Wilcox, jr. 1,586,765; June 1.
Clock, Secondary electric. E. G. Stalnaker. 1,587,047; June 1.
Closet-valve structure. J. W. Cook. 1,586,655; June 1.
Clothesline fastener. I. Bonneau. 1,587,141; June 1.
Clutch device. N. J. Pepin. 1,587,410; June 1.
Coal bin. J. H. Nash. 1,587,174; June 1.
Coal tipple, Portable. G. C. Singer. 1,586,922; June 1.
Coin receptacle. A. R. Martine. Des. 70,288; June 1.
Coins, etc., Machine for making tubular wrappers for. E. P. Donnellan. 1,586,977; June 1.
Combing machines, Brush for cleaning the noil from the comb circles of. E. Hopwood. 1,587,012; June 1.
Composition of matter and making the same. W. W. Winship. 1,587,057; June 1.
Computing and recording machine. F. A. Hart. 1,587,304; June 1.
Condenser. O. G. Lissen. 1,587,389; June 1.
Condenser, Electrical. B. R. Webster. 1,587,095; June 1.
Conductor support. S. S. Matthes. 1,586,758; June 1.
Cone-winding mandrel. H. A. Edwards. 1,587,222; June 1.
Containers, Manufacturing. J. M. Ahlgren. 1,587,267; June 1.
Control head and snuffer, Combined. P. Arbon. 1,586,956; June 1.
Controlling mechanism. A. M. Peters. 1,586,694; June 1.
Converters, Relay system for controlling interpole excitation of rotary. E. B. Shand. 1,586,711; June 1.
Conveyer. F. L. MacAleese. 1,586,756; June 1.
Conveyer flight attachment. M. E. Johnson. 1,587,076; June 1.
Cooking apparatus. W. Guy-Pell. 1,586,738; June 1.
Cooling apparatus. G. E. Hulse. 1,586,745; June 1.
Cord-making machine. H. G. Pratt. 1,587,182; June 1.
Cores, Applying a metallic sheathing to metallic. G. W. Elmen. 1,586,888; June 1.
Cores, Covering. A. R. Kemp. 1,586,811; June 1.
Corn-popping device. W. D. Root. 1,586,845; June 1.
Corner bead. F. E. Planett. 1,587,034; June 1.
Cotton fabrics, Treatment of. E. D. Walen. 1,587,094; June 1.
Countersink. L. K. Laursen. 1,586,559; June 1.
Coupler, Drawhead-operated link. F. W. Henrikson. 1,586,802; June 1.
Coupling: *See*—
Electric-fixture coupling. Hose coupling.
Flexible coupling. Swivel coupling.
Coupling. H. R. Fowler. 1,586,793; June 1.
Crank, Detachable motor. F. J. Campbell. 1,587,470; June 1.
Crank shaft and method of manufacture. T. E. Murray and T. E. Murray, jr. 1,587,025; June 1.
Crank shaft-indexing machine. Mark H. Damerell. 1,587,217; June 1.
Creel. T. M. Allen. 1,586,594; June 1.
Crest voltmeter. J. Slepian. 1,586,714; June 1.
Crusher: *See*—
Rock crusher.
Crystal detector. E. L. Hackett. 1,586,672; June 1.
Cuff-stretching device. A. A. Fournier. 1,586,667; June 1.
Cultivators, Wheel guard for. J. T. Blessdell. 1,587,276; June 1.
Cup: *See*—
Grease cup.
Curling die, Adjustable. H. K. Smith. 1,587,433; June 1.
Current relay, Alternating-. J. R. Fry. 1,586,549; June 1.
Curtain and shade holder, Combination. W. Huck. 1,586,996; June 1.
Curtain stretcher. S. A. Rose. 1,587,422; June 1.
Cushion coupling. E. K. Degener. 1,586,880–1; June 1.
Cutter: *See*—
Stalk cutter. Wire cutter.
Darner, Telescope. G. K. Lang. 1,586,681; June 1.
Dental articulator. R. L. Hanau. 1,586,739; June 1.
Dental chair. G. D. Heck. 1,586,740; June 1.
Dental cuspidor trap. O. B. Olson. 1,587,240; June 1.

Diagnostic instrument. H. L. De Zeng. 1,587,151; June 1.
Diaphragm signal. P. H. Withington. 1,587,059; June 1.
Die: *See*—
Curling die.
Disappearing table. G. M. McLean. 1,586,707; June 1.
Dispatch systems, Controlling apparatus for pneumatic. J. T. Cowley. 1,586,949; June 1.
Dispatch systems, Power-control device for pneumatic. J. G. Maclaren and W. J. Hepperle. 1,586,634; June 1.
Display apparatus. L. R. McDonald. 1,586,565–6; June 1.
Display box. J. S. North. 1,587,405; June 1.
Display-box filler or rack. H. L. Myers. 1,586,637; June 1.
Display rack. F. Michelbach. 1,586,826; June 1.
Display rack, Rug-. F. Michelbach. 1,586,827; June 1.
Display-supporting device. W. H. Stansfield. 1,586,854; June 1.
Distillation. J. Schneible. 1,587,188; June 1.
Ditch light. L. P. Gignac. 1,587,375; June 1.
Ditching machine. J. S. Blackie. 1,586,940; June 1.
Doll. J. B. Warren. Des. 70,306; June 1.
Doll and the like. A Cohn. 1,587,215; June 1
Doll shoe. J. G. Stokes. Des. 70,229; June 1.
Door brace. E. V. Morreau. 1,587,400; June 1.
Door catch. S. W. Parsons. Des. 70,292; June 1.
Door catch. S. W. Parsons. 1,586,836; June 1.
Doorcheck. E. A. Borne. 1,587,367; June 1.
Door holder. F. W. Jacobs. 1,587,075; June 1.
Draft-control device. F. E. McVay. 1,587,341; June 1.
Drawing mechanism. A. C. Butler. 1,586,605; June 1.
Drill: *See*—
Impact drill.
Drill jar. G. A. Montgomery. 1,587,022; June 1.
Drilling machine. G. H. Gilman. 1,587,298; June 1.
Dyes, Manufacturing vat. A. Zinke and F. Hanselmayer. 1,586,730; June 1.
Dyestuffs and color lakes therefrom and making same, Bluish-green. O. Staehlin. 1,587,435; June 1.
Dyestuffs and making same, Azo. A. L. Laska and A. Zitscher. 1,587,004; June 1.
Dyestuffs and making same, Yellow monoazo. A. L. Laska and F. Weber. 1,587,005; June 1.
Dyestuffs for wool or silk, Blue monoazo. A. H. Ney. 1,586,693; June 1.
Ear deafness and for charting the acuity of hearing, Precision instrument for making a differential diagnosis between internal and middle. V. O. Knudsen and I. H. Jones. 1,586,952; June 1.
Educational appliance. G. S. Moler. 1,587,399; June 1.
Educational appliance. C. R. Nalle. 1,587,026; June 1.
Educational device. B. L. Bowen. 1,586,960; June 1.
Educational game. O. P. McKee. 1,587,391; June 1.
Educational test sheet. C. E. Lauterbach. 1,586,628; June 1.
Elbow-bending machine. M. Husid. 1,587,158; June 1.
Electric circuits and controlling the same. S. E. Adair. 1,586,512; June 1.
Electric-conduit outlet boxes, Cover for. J. T. Pearson and R. H. Olley. 1,587,032; June 1.
Electric controlling device, Automatic. C. R. Anderson. 1,587,061; June 1.
Electric-current-generating plant, Portable. I. Zbar. 1,586,728; June 1.
Electric-fixture coupling. A. I. Schwinger. 1,586,709; June 1.
Electric-fixture units, Lathe support for. L. R. Greusel and C. W. Finley. 1,587,118; June 1.
Electric irons, Attachment pulg for. E. Sjolin. 1,586,713; June 1.
Electric-light container. N. Sandor. 1,587,038; June 1.
Electric lights, gas, and other purposes, Movable support for. J. Dugdill. 1,586,979; June 1.
Electric machine, Dynamo-. J. C. Hutton. 1,587,322; June 1.
Electric machine, Dynamo-. J. C. Hutton. 1,587,324; June 1.
Electric switch. W. L. Betts. 1,587,139; June 1.
Electric switch. F. P. Gates. 1,586,669; June 1.
Electric switch. H. A. Hoeschen. 1,586,993; June 1.
Electric switch. S. R. Jackson. 1,586,998; June 1.
Electrical apparatus. E. M. Honan. 1,587,155; June 1.
Electrical conductors, Applying magnetic material to. W. B. Ten Eyck. 1,586,862; June 1.
Electrical connecter device. R. B. Benjamin. 1,587,138; June 1.
Electrical indicator. H. L. Tanner. 1,587,050; June 1.
Electrical switch. A. J. Briggs. 1,586,650; June 1.
Electrolytic coating apparatus. A. H. Hart. 1,587,303; June 1.
Electromagnet. H. A. Maxfield. 1,587,170; June 1.
Electromagnetic apparatus. G. Fussner. 1,586,550; June 1.
Electromagnetic device. O. E. Buckley. 1,586,877; June 1.
Electromagnetic device. G. W. Elmen. 1,586,885–6; June 1.
Electron-discharge devices, Circuits for. G. D. Robinson. 1,587,084; June 1.
Electron-discharge devices, Manufacture of. J. E. Harris. 1,586,558; June 1.
Electroplated articles and apparatus therefor, Forming. B. Bart. 1,587,268; June 1.
Elevator: *See*—
Transportable elevator.
Elevators, Door-operating mechanism for. C. Norton, N. S. Dickinson, and J. G. Gustafson. 1,587,007; June 1.
Engine: *See*—
Internal-combustion engine. Rotary expansion engine.
Reciprocating engine.
Engine and compressor control. L. F. Hoffman. 1,586,743; June 1.
Engine governor. H. Müller. 1,586,689; June 1.
Engine-starting apparatus. Z. C. Bradford. 1,587,212; June 1.
Engines, Accelerator for internal-combustion. M. Schlatter and E. L. Lipp. 1,587,040; June 1
Engines, Automatic altimetric correcting apparatus for carburetors of aircraft. A. Boulade. 1,586,648; June 1.
Engines, Heater retainer for automobile. M. Blumenschein. 1,586,598; June 1.
Engines, Method of and device for operating internal-combustion. V. Heidelberg and R. Müller. 1,586,623; June 1.
Engines of the reciprocatory type, Valve for motive-power. H. Tolputt. 1,587,052; June 1.
Engines, Slipper guide for crankless. T. L. Sherman. 1,587,191; June 1.
Esters, Polymerizing vinyl. W. O. Herrmann and E. Baum. 1,586,803; June 1.
Ether, Apparatus for generating. F. E. Lichtenthaeler. 1,587,161; June 1.
Extractor: *See*—
Ball-race extractor.
Fan and lamp, Combination. J. G. Hey. 1,586,742; June 1.
Fan casing. J. Schirra. Des. 70,294; June 1.
Fan, Ceiling. C. Aalborg. 1,586,638; June 1.
Fan construction. L. Schwitzer. 1,586,848; June 1.
Fan, Ventilating. L. D. Parker. 1,587,031; June 1.
Farm gate. J. C. Herrick. 1,587,310; June 1.
Fastener. S. Stevens. 1,586,856; June 1.
Fastener-inserting machine. P. R. Glass. 1,586,553; June 1.
Faucet. J. C. Ross. 1,586,846; June 1.
Faucet. J. E. Sapp. 1,587,186; June 1.
Faucet, Coffee-urn. J. E. Graybill. 1,587,072; June 1.
Feeder. T. F. Grossman. 1,587,378; June 1.
Felt articles, Method of and apparatus for treating. H. A. Genest. 1,586,551; June 1.
Fernery stand. C. Kowalski. Des. 70,280; June 1.
Fertilizer and cattle feed, Producing. A. Woolner, jr. 1,587,101; June 1.
Fiber composition, Machine for making. W. G. O'Brien. 1,587,027; June 1.
Filaments, Manufacture of artificial. F. Girardet. 1,586,552; June 1.
File box, Storage. L. H. Haigh. 1,586,673; June 1.
Film treating and handling device. R. W. Scott. 1,586,710; June 1.
Finger ring. H. Benz. Des. 70,260; June 1.
Finger ring. I. L. Cain. 1,586,606; June 1.
Finger ring. A. Suderov. Des. 70,300–5; June 1.
Fire arch with air-intake ports. C. A. Strachota. 1,586,858; June 1.
Firearm. I. M. Johansson. 1,586,810; June 1.
Firearm, Automatic. J. T. Kewish. 1,587,003; June 1.
Firearm, Repeating. C. G. Swebilius. 1,587,049; June 1.
Fire, Imitation. H. B. Berry. 1,586,597; June 1.
Fireplace. W. Hallberg. 1,587,227; June 1.
Firepot. O. Pendell. 1,586,576; June 1.
Fishing rod. A. Viers. 1,587,446; June 1.
Fishing tool. G. A. Montgomery. 1,587,021; June 1.
Flames and arcs and apparatus therefor, Joint working of. G. T. Southgate. 1,587,197; June 1.
Flexible coupling. H. S. Nicholson. 1,587,403; June 1.
Float ball. S. T. Nicholson. 1,587,404; June 1.
Floor surfacer. W. A. Lacy. 1,587,124; June 1.
Fluid-flow-control system. E. Roucka. 1,586,705; June 1.
Fluid-pressure reciprocating engine. S. H. Shepherd. 1,586,762; June 1.
Fluids of high viscosity, Apparatus for and method of metering. F. N. Connet. 1,586,948; June 1.
Flute. C. B. Gage. 1,586,794; June 1.
Focusing device. C. E. Godley. 1,586,795; June 1.
Folding mechanism. W. Evensen. 1,587,070; June 1.
Food product. A. Gay and J. W. Booth. 1,586,893; June 1.
Food products. Freezing and transporting perishable. A. B. Haslacher. 1,586,898; June 1.
Footwear and making the same, Gusseted. E. S. Bott and A. S. Funk. 1,586,774; June 1.
Forming machine. L. A. Kominsky. 1,586,627; June 1.
Frame: *See*—
Awning frame. Screen frame.
Frame structure, Side-. J. W. Dalman. 1,587,286; June 1.
Frames, Drawing apparatus of roving and spinning. B. de A. Fonseca. 1,586,735; June 1.
Frequency system, Constant-. R. A. Heising. 1,586,524; June 1.

Fruit picker. E. J. Warner. 1,586,867; June 1.
Fuel gauge, Liquid-. J. W. Walker. 1,586,589; June 1.
Furnace: *See*—
Heating furnace.
Furnace. E. J. Perrey. 1,586,838; June 1.
Furnace flues, Air-moistening means for hot-air-. J. G. Sauer. 1,586,579; June 1.
Furnace wall. C. A. Strachota. 1,586,859; June 1.
Furnaces, Charging hopper for electric. C. T. Thorssell, E. C. Beck-Frils, and E. E. D. Edlundh. 1,586,588; June 1.
Furnaces, Method of and apparatus for controlling the combustion of fuel in. J. W. Griswold. 1,587,119; June 1.
Furnaces, Recuperator structure for. W. A. Morton. 1,587,171; June 1.
Furnaces, Sifter for ashes in. R. M. Swanson. 1,586,860; June 1.
Furniture cover. H. Lichtman. 1,587,387; June 1.
Galvanometer. W. R. Coley. 1,587,010; June 1.
Game. L. W. Farquhar. 1,586,983; June 1.
Game, Card. M. C. Meyer. 1,586,759; June 1.
Garment for feminine wear, Combination. H. Frankel. Re16,357; June 1.
Garments and the like, Fastening device for. G. Pilkington. 1,586,916; June 1.
Garter. R. H. Biggs. 1,587,211; June 1.
Gas-jet attachment, Safety. A. C. Vanadia. 1,587,091; June 1.
Gate: *See*—
Farm gate.
Gates, Yielding stop for tail. F. Pampinella. 1,586,532; June 1.
Gauge: *See*—
Fuel gauge. Shingling gauge.
Pressure gauge.
Gauge and temperature indicator, Water. F. A. Marsh. 1,587,394; June 1.
Gear mechanism, Planetary-. H. L. Burkhardt. 1,586,944; June 1.
Gearing. C. H. Taylor. 1,586,861; June 1.
Gearing, Change-speed. A. F. Borschel. 1,587,278; June 1.
Gearing, Entrainment. C. Schenck. 1,586,581; June 1.
Generator: *See*—
Steam generator.
Glass-blowing machine, Automatic. C. A. Brown and A. C. Nielsen. 1,587,466; June 1.
Glass from furnaces to molds and the like, Apparatus for controlling the delivery of. J. D. Roots. 1,586,704; June 1.
Glass, Inlaying designs on. S. Wurf. 1,586,727; June 1.
Glass, Method and apparatus for continuously drawing sheet. E. T. Ferngren. 1,586,620; June 1.
Glass, Method and apparatus for drawing sheet. E. T. Ferngren. 1,586,618; June 1.
Glass to a sheet-drawing machine, Method and apparatus for supplying molten. E. T. Ferngren. 1,586,619; June 1.
Glasses and cups, Device for washing and sterilizing. A. E. Brown. 1,587,213; June 1.
Globe holder, Screwless. R. J. Johnston. 1,586,748; June 1.
Golf-ball-cleaning device. W. H. Dinehart. 1,587,068; June 1.
Golf club. C. G. Fink and C. H. Eldridge. 1,587,293; June 1.
Golf clubs, Handle grip for. G. W. Mattern. 1,587,082; June 1.
Golf clubs or the like, Hand grip for. I. O. Denman. 1,587,287; June 1.
Golf game, Wicket. H. C. Gammeter. 1,587,295; June 1.
Grate structure. L. E. Budd. 1,586,963; June 1.
Grease cup. J. B. Daniel, jr. 1,587,007; June 1.
Grinding machine, Gear-. G. Wirrer. 1,587,058; June 1.
Grinding machines, Obstruction release for. W. W. Dryden. 1,587,104; June 1.
Ground articles, Apparatus for producing. L. R. Heim. 1,586,523; June 1.
Gyroscope-stabilizing system. F. G. Henry. 1,586,525; June 1.
Hair band. L. M. Skaruda. Des. 70,296–8; June 1.
Hairbrush, Sanitary. F. W. Kellogg. 1,586,751; June 1.
Hair, Process and device for producing permanent waves in. R. Eichenberger 1,586,663; June 1.
Hair-retaining device. K. L. Heath. 1,586,800; June 1.
Ham boiler. F. E. Hoddersen-Bailing. 1,586,528; June 1.
Hammers, Automatic safety attachment for pneumatic. C. B. Wade. 1,586,865; June 1.
Hammers, Balanced valvular throttle for pneumatic. W. J. Devlin. 1,587,368; June 1.
Hand brake. N. J. Sauvage. 1,587,039; June 1.
Handle: *See*—
Broom handle. Oven-shelf handle.
Handling apparatus. B. E. Fernow. 1,587,109; June 1.
Harrow. A. H. Corbett and H. Pounds. 1,586,612; June 1.
Harrow construction. P. Simons. 1,586,712; June 1.
Harvester, Beet. W. V. Seifert. 1,587,243; June 1.
Harvesting machine, Seed-. S. Otis and S. Otis, jr. 1,587,349; June 1.
Hay stacker and loader, Combination. E. C. Jenson. 1,586,999; June 1.
Header connection. E. H. Foster. 1,586,984; June 1.
Headlight. I. D. Robertson and R. H. Robertson. 1,586,578; June 1.
Headlight. A. B. Smith. 1,587,195; June 1.
Headlight, Antiglare. H. L. Smith. 1,587,434; June 1.
Headlight for vehicles, Dirigible. J. M. Calkins. 1,586,945; June 1.
Heat-exchange device. B. C. McClure and L. B. McMillan. 1,587,166; June 1.
Heater: *See*—
Water heater.
Heater and drier. H. Lanphier, sr. 1,587,385; June 1.
Heating apparatus. J. Wachowicz. 1,587,448; June 1.
Heating furnace, Vertical. E. Bohler. 1,586,599; June 1.
Heating method and apparatus. F. X. Govers. 1,586,987; June 1.
Heel. H. M. Teetsal. 1,587,442; June 1.
Heel and operating thereon. T. Lund. 1,586,563; June 1.
Heel, Cushion. J. B. Hadaway. 1,586,555–6; June 1.
High chair. J. P. Tarbox. 1,587,253; June 1.
Highway marker. O. M. Hatcher. 1,587,308; June 1.
Hinge, Adjustable screen-door. S. F. Elliott. 1,586,615; June 1.
Hobbing machine. C. G. Olson. 1,587,029; June 1.
Hoisting. R. J. Wadd and E. G. Parvin. 1,587,259; June 1.
Hook: *See*—
Bracelet hook.
Horn, Automobile. W. B. Jupp. Des. 70,279; June 1.
Horseshoes, Apparatus for use in the manufacture of. J. E. Tweedy. 1,586,540; June 1.
Hose coupling. W. A. Johnson. 1,587,327; June 1.
Hose coupling. S. Machino. 1,587,079; June 1.
Hose, Nozzle connection for large-sized suction. T. Russell. 1,586,706; June 1.
Hose nozzle, Self-propelling. S. C. Sladden. 1,587,194; June 1.
Hose, Reversible-top. J. E. Fitzgibbon. Re16,358; June 1.
Hover. C. E. Kearns. 1,586,902; June 1.
Hydrocarbon materials, Apparatus for refining. F. M. Floyd. 1,587,370; June 1.
Hydrocarbons, Treating. R. Cross. 1,587,491; June 1.
Hygroscopic regulating device. W. B. Hodge. 1,587,314; June 1.
Ice-sawing machine. A. H. Oliver. 1,587,239; June 1.
Igniter, Flash. O. J. Leins. 1,586,813; June 1.
Impact drill. J. A. Zublin. 1,587,265; June 1.
Incubator. M. Fanders. 1,587,290; June 1.
Index device. W. H. Holmes. 1,586,529; June 1.
Indicator: *See*—
Electrical indicator. Liquid-level indicator.
Inductance apparatus. J. F. Lindberg. 1,586,755; June 1.
Induction apparatus. O. E. Buckley. 1,586,962; June 1.
Injectors, Controlling device for exhaust-steam. M. Hard. 1,586,557; June 1.
Ink, Printing. J. H. Caughlan. 1,586,947; June 1.
Inkwell. A. C. Lough. 1,586,818; June 1.
Instrument drive. P. L. Tenney. 1,587,201; June 1.
Insulator pin. J. P. Arndt. 1,586,642; June 1.
Internal-combustion engine. A. Behn and J. G. Schmitt. 1,587,275; June 1.
Internal-combustion engine. W. H. Brown. 1,586,778; June 1.
Internal-combustion engine. V. Link. 1,586,815; June 1.
Internal-combustion engine. H. Michel. 1,587,343; June 1.
Ironing machines, Safety device for. R. J. Mompere. 1,586,567; June 1.
Irons and steels, Manufacture of unstainable. R. Wild. 1,586,592; June 1.
Jack. H. I. McDuffie. 1,586,819; June 1.
Jar: *See*—
Drill jar.
Jar. W. S. Crosby. Des. 70,266; June 1.
Jewelry stone. E. M. Craft. Des. 70,264–5; June 1.
Joint: *See*—
Universal joint.
Kiln. F. A. Secord. 1,587,041; June 1.
Knife, Cardboard-box. F. L. Blevin and A. D. Ferguson. 1,586,646; June 1.
Knife or cutter. E. Lewis. 1,586,906; June 1.
Knife, Razor-blade. F. F. Arnold and C. Kestel. 1,587,358; June 1.
Knitting machines, Cam mechanism for rotary. G. Murphy and W. A. Simond. 1,587,347; June 1.
Labeling machine. J. E. Johnson and C. H. Oslund. 1,587,325; June 1.
Lace. S. H. Page. Des. 70,289–91; June 1.
Ladder, Convertible. C. E. Kennett. 1,587,383; June 1.
Lamp arm, Bridge. N. A. Levitan. Des. 70,283; June 1.
Lamp base or pedestal. R. L. Campagna. 1,587,469; June 1.
Lamp for medical purposes, Quartz. F. Girard. 1,586,670; June 1.
Lamp, Piano. J. Lieberman. 1,587,388; June 1.
Lamp shade. W. Frick. 1,587,152; June 1.
Lamp shade and other translucent screen. D. L. Raitt. 1,586,577; June 1.

Lamps, Hood holder for electric. H. Rithner. 1,586,703; June 1.
Lantern, Electric. W. C. Embury and W. H. Chamberlain. 1,586,616; June 1.
Latch, Automatic window-sash. W. Rudolph. 1,587,037; June 1.
Latch, Door. H. Carrier. 1,587,472; June 1.
Latch, Door. A. Hoston. 1,587,318; June 1.
Lath board, Making. J. Schumacher. 1,587,189; June 1.
Lath, Plaster. W. D. Hicks. 1,587,311; June 1.
Lathe. J. C. White. 1,587,261; June 1.
Lathes, Head for. E. F. Heard and M. M. Fitz Hugh. 1,586,677; June 1.
Leak-stopping device. W. J. Garner. 1,586,668; June 1.
Leather, filler therefor and process relating thereto, Tanned. C. H. Campbell. 1,586,964; June 1.
Lens, Multifocal. E. D. Tillyer. 1,587,130; June 1.
Level, Line and surface. E. A. Stevens. 1,587,436; June 1.
Levels, Stock for spirit. P. H. Vogel. 1,587,258; June 1.
Light: *See*—
Ditch light.
Lighting fixtures, Backplate for. B. Leshowitz. Des. 70,282; June 1.
Lighting fixtures, Body frame for. J. R. Buchanan and R. H. Abbott. Des. 70,262; June 1.
Line distortion, Correction for. R. C. Mathes. 1,586,822; June 1.
Liquid-level-controlling device. F. W. Müller. 1,587,172; June 1.
Liquid-level indicator. A. G. McCaleb. 1,587,340; June 1.
Liquid-treating apparatus. I. B. Tanner. 1,587,129; June 1.
Liquids and thickening mixtures, Method and apparatus for clarifying. H. M. Chance. 1,586,610; June 1.
Liquids, Apparatus for aerating. W. Hucks. 1,587,319–20; June 1.
Liquids, Vending apparatus for. F. F. Badoux, S. E. Naylor, and F. R. Brann. 1,586,770; June 1.
Loading machine. N. A. Newdick. 1,586,573; June 1.
Lock: *See*—
Nut lock. Safety lock.
Lock. L. Solomon. 1,587,044; June 1.
Lock bolt, Safety. M. J. Ménard. 1,587,397; June 1.
Locomotives, Drop-pit mechanism for unwheeling. O. L. Coffey. 1,586,783; June 1.
Logging carriage. J. A. Pierson. 1,586,840; June 1.
Logging conveyer. J. E. Mongrain. 1,586,686; June 1.
Loom, Automatic filling-replenishing. G. Poirrier. 1,587,180; June 1.
Looms, Box-lifter motion for. E. A. Santon and W. W. Bassett. 1,587,086; June 1.
Looms, Let-off attachment for. J. Epps. 1,586,982; June 1.
Looms, Picker stick for. J. T. Batting. 1,586,644; June 1.
Looms, Temporary cloth-roll support for. C. C. Bolen. 1,586,600; June 1.
Loud speaker. M. C. Hopkins. Des. 70,278; June 1.
Lubricant compressor. D. F. Fesler. 1,587,292; June 1.
Lubricating device. E. Siegel. 1,587,192; June 1.
Luggage carrier and camp table, Combination. G. Pitter. 1,587,179; June 1.
Luggage rack. J. W. Rement. 1,586,939; June 1.
Lye from dissolved cellular substances, Apparatus for the recuperation of the. G. Mosebach. 1,587,345; June 1.
Magnetic material. G. W. Elmen. 1,586,884; June 1.
Magnetic structure and method of manufacture. G. W. Elmen. 1,586,889; June 1.
Mail-order blank for mail-order houses and the like. M. J. McDonald. 1,587,390; June 1.
Make and break device. J. H. Cannon. 1,586,652; June 1.
Manifold attachment, Exhaust-. F. A. Barrett. 1,587,208; June 1.
Marine motor. A. J. Caille and T. L. Smith. 1,586,517; June 1.
Matches in the shape of a book or cards, Containers for. H. K. Sakowski. 1,586,919; June 1.
Matches, toothpicks, and kindred articles, Container for. H. K. Sakowski. 1,586,918; June 1.
Material holder. G. O. Pomeroy and A. L. Swartz. 1,587,181; June 1.
Mattress. G. S. Hooker. 1,586,625; June 1.
Measuring consecutive distances, Machine for. W. N. Lindblad. 1,587,162; June 1.
Measuring instrument, Electrical. J. E. Bridges. 1,586,649; June 1.
Measuring instrument, Electrical. R. T. Pierce. 1,586,696; June 1.
Metal article, Composite-. D. Basch and G. B. Gerhart. 1,587,362; June 1.
Metal blanks, Producing. W. McConway. 1,586,632; June 1.
Metal-cutting machines, Tool support for. R. S. Crosby. 1,587,011; June 1.
Metal stock, Handling and conveying hot-. V. E. Edwards. 1,587,069; June 1.
Metal strip. F. M. Carr. Des. 70,263; June 1.
Metals, Casting. J. H. White. 1,586,871; June 1.
Metals from solutions, Electrolytic recovery of. U. C. Tainton. 1,587,438; June 1.
Metals, Heat treatment of. J. W. Harris. 1,586,897; June 1.
Metals, Refining. S. Westberg. 1,586,543; June 1.
Meter: *See*—
Ampere-hour meter. Thermionic meter.
Crest voltmeter.
Meter. E. A. Ormsby. 1,586,834; June 1.
Microtome. H. W. Spence. 1,587,248; June 1.
Mills, Calandria for evaporators of sugar. A. P. Leonard. 1,586,814; June 1.
Mining apparatus. C. W. Wyman. 1,587,461; June 1.
Mining machine, Coal-. A. J. Mason. 1,587,396; June 1.
Mixing, disintegrating, or homogenizing machine. H. E. Austin. 1,587,065; June 1.
Mixtures and clarifying liquids, Method and apparatus for thickening. H. M. Chance. 1,586,609; June 1.
Motor: *See*—
Marine motor. Water motor.
Tide motor. Wind motor.
Mold. C. O. Nicholas. 1,587,402; June 1.
Molding machine. L. S. Seybold. 1,587,431; June 1.
Monolithic structures, Construction of. J. B. Hawley, jr. 1,586,991; June 1.
Monorailways, Cordola for suspended. L. A. Frye. 1,586,986; June 1.
Mop and wringer, Combined. D. Keir. 1,587,332; June 1.
Mop head. J. H. Gillis. 1,587,376; June 1.
Mop or similar holder. R. B. Flake. 1,587,483; June 1.
Motor-control system. P. W. Forsberg. 1,587,371; June 1.
Motor cycles and other cycles, Stand or support for. A. N. Kendal. 1,587,382; June 1.
Motors, Air choke for gas. F. Walter. 1,586,926; June 1.
Motors, Lubricator for fluid. J. M. Templeton. 1,586,954; June 1.
Mower, Lawn. P. E. Herschel, jr. 1,586,526; June 1.
Musical instrument. M. W. Askin. 1,586,769; June 1.
Musical instrument, Mechanical. G. Whitehouse. 1,587,204; June 1.
Newspapers, magazines, etc., Silent salesman rack for. A. J. Bargagni. 1,587,359; June 1.
Nitrogen compounds and apparatus therefor, Producing. E. S. Matthews. 1,586,823; June 1.
Nozzle, Flow. W. Meredith and W. L. Foster. 1,586,825; June 1.
Nut-castellating machine. O. A. Smith. 1,587,246; June 1.
Nut-castellating machine for small nuts. O. A. Smith. 1,587,247; June 1.
Nut lock. E. B. Flowers and N. E. Stump. 1,586,792; June 1.
Nut lock, Centrifugal. T. A. Bryson. 1,587,064; June 1.
Nut-shelling apparatus. R. B. Johnston and W. E. Giesecke. 1,586,749; June 1.
Ophthalmic mounting. W. C. Eaton. 1,587,105; June 1.
Ophthalmic mounting. E. D. Tillyer. 1,587,131; June 1.
Ophthalmic mounting. W. J. Wrighton. 1,587,102; June 1.
Oil burner. G. W. Myers. 1,587,401; June 1.
Oil burner. J. A. Wilmers. 1,587,263; June 1.
Oil-engine starter. B. A. McFarlane and M. J. Goldberg. 1,586,820; June 1.
Oil, Method and apparatus for burning. F. C. Starr. 1,587,249; June 1.
Oil-shale retort, Rotary. J. H. Toupet and V. O. Foulk. 1,587,256; June 1.
Oil-well-control head valve. B. F. Palmer. 1,587,030; June 1.
Oils into lower-boiling products, Converting hydrocarbon. F. A. Howard. 1,586,994; June 1.
Oils, Treating mineral. G. L. Fogler. 1,587,111; June 1.
Organ action, Electropneumatic pipe-. R. R. Perry. 1,587,411; June 1.
Organs and the like, Magnetic valve for. J. H. Hankey. 1,587,380; June 1.
Oscillating system. J. C. Schelleng. 1,586,580; June 1.
Oven doors, Counterbalancing device for. G. E. Pickup. 1,586,839; June 1.
Oven-shelf handle. W. Parke. 1,587,350; June 1.
Oxyacetylene torches, Locking hose connection fixtures of. C. J. Coberly. 1,587,148; June 1.
Package, wrapper therefor, and opening the same. J. L. Burke. 1,587,280; June 1.
Padlocks, System of. J. Sirven. 1,587,432; June 1.
Pan: *See*—
Pie pan.
Paper, Dispensing device for interfolded tissue. L. J. Arms. 1,587,463; June 1.
Paper-folding machine. J. H. Shipley. 1,587,244; June 1.
Paper-handling machinery. H. W. White. 1,586,544; June 1.
Paper-money cleaner and presser. G. W. Leightlitner. 1,586,905; June 1.
Paper-roofing machine. A. C. Fischer. 1,586,892; June 1.
Paper stock, Machine for treating. W. J. Herrbold. 1,586,951; June 1.
Paper webs, Compensating or regulating device for. J. G. Swab. 1,586,719; June 1.
Parachute. O. D. Lucas. 1,586,561; June 1.

Parachute apparatus. J. H. Ellingsworth. 1,586,664; June 1.
Patch, Blow-out. O. Wood. 1,587,457; June 1.
Pavements, Manufacturing stable. E. Hartel. 1,586,674; June 1.
Pen, Fountain. J. C. Wahl. 1,586,541; June 1.
Pen, Lettering. H. I. Rogers. 1,587,185; June 1.
Pen stand, penwiper, and blot preventer, Combined. K. A. Regnholm. 1,587,036; June 1.
Pencil, Mechanical. F. C. Dell. 1,586,521–2; June 1.
Petroleum sludge, Method of and apparatus for continuously separating. I. Hechenbleikner and T. C. Oliver. 1,586,801; June 1.
Phenolalkylethers, Basic. H. Hahl. 1,587,073; June 1.
Phenolic condensation products, Molding. F. S. Smith. 1,586,850; June 1.
Phonograph. R. Y. Barrows. 1,586,596; June 1.
Photocollographic printing plate and making the same. M. de' Sperati. 1,587,220; June 1.
Photographic-film-treating apparatus. F. B. Thompson. 1,587,051; June 1.
Photographic media and process. M. C. Beebe and A. Murray. 1,587,274; June 1.
Photographic medium and process, Natural-resin. M. C. Beebe and A. Murray. 1,587,271; June 1.
Photographic plates onto sensitized surfaces, Apparatus for and method of printing from. H. C. Jones. 1,587,001; June 1.
Photographic process, media, and preparing same, Condensation. M. C. Beebe, A. Murray, and H. V. Herlinger. 1,587,270; June 1.
Photography, Producing prints in natural colors according to multicolor. H. Pilloty. 1,586,697; June 1.
Piano, Player. D. Boone and D. Sevier. 1,587,365; June 1.
Pianos, Pneumatic striker action for player. A. A. Huseby. 1,586,746; June 1.
Pianofortes, Key action of upright. R. Eastwood. 1,586,547; June 1.
Picker: *See*—
Fruit picker.
Picker check. L. M. Cotchett. 1,587,149; June 1.
Picture-projecting apparatus, Motion-. E. L. V. Rébillon and R. Adam. 1,587,415; June 1.
Pie pan. J. S. Dooley. 1,587,288; June 1.
Pile drivers, Pile yoke for. J. S. Creech. 1,586,784; June 1.
Pillow. D. A. Schweiker. Des. 70,295; June 1.
Pin: *See*—
Insulator pin.
Pin-setting mechanism. J. F. Murphy. 1,586,831; June 1.
Pipe: *See*—
Self-cleaning pipe.
Pipe flange, Interchangeable. F. X. Streicher. 1,587,251; June 1.
Pipe joint and making same. W. M. Rapp. 1,587,035; June 1.
Pipe puller. J. E. Stalsby and J. R. Martin. 1,586,852; June 1.
Pipes, Hanger for conductor. J. E. Buckley. 1,587,143; June 1.
Piston packing. C. S. Crickmer. 1,586,967; June 1.
Piston packing. J. F. Panyard. 1,586,575; June 1.
Piston ring. M. M. Moratta. 1,586,687; June 1.
Plasterer's hawk. J. Taseff. 1,587,254; June 1.
Plastic materials, Process and apparatus for crimping. F. W. Adams and K. B. Howell. 1,587,462; June 1.
Platform, Bench-sheet-storage. W. L. Hanley, jr. 1,587,301; June 1.
Player actions, Automatic cleaner and brake for. J. T. Rydberg. 1,587,424; June 1.
Plow drag. I. O. Martinson. 1,587,081; June 1.
Plows, Weeder attachment for lister. A. A. Murren. 1,586,692; June 1.
Plug, Attachment. S. McClatchie. 1,587,164; June 1.
Plug, Composite-metal. H. B. Thurston. 1,587,255; June 1.
Plug, Expansion. E. H. Horton. 1,587,317; June 1.
Plug, Separable attachment. S. McClatchie. 1,587,165; June 1.
Polarized relay. M. B. Stazak. 1,586,855; June 1.
Polish-rod clamp. R. G. Hamaker. 1,586,622; June 1.
Pot: *See*—
Firepot.
Powder box. D. Robbé. 1,587,009; June 1.
Power and transmission mechanism. M. Axilrod. 1,586,511; June 1.
Power-limiting method and apparatus. O. E. Buckley. 1,586,876; June 1.
Preserving. A. Lowy. 1,587,485; June 1.
Press: *See*—
Printing press. Web press.
Press. O. Schlanpitz. 1,586,847; June 1.
Pressing implement. F. J. Clark. 1,586,611; June 1.
Presses, Operative mechanism for steam. H. H. McDermott. 1,587,078; June 1.
Pressure gauge. J. D. Peterson. 1,586,695; June 1.
Printing plates, Manufacturing curved. H. G. Hoff. 1,587,232; June 1.
Printing press. C. A. H. Bullock. 1,586,651; June 1.
Products, Apparatus for Automatic preparation of. P. E. Edelman. 1,587,106; June 1.
Public-address system. G. D. Edwards. 1,587,107; June 1.
Puller: *See*—
Pipe puller. Stump puller.
Pump. B. R. Barton. 1,587,361; June 1.
Pump. F. L. Hunter, jr. 1,587,321; June 1.
Pump. R. F. Swett and R. W. Neel. 1,586,586; June 1.
Pump, Centrifugal. O. H. Dorer. 1,586,978; June 1.
Pump head, Centrifugal-. A. Hollander. 1,586,900; June 1.
Pump, Liquid-dispensing. G. H. Williams and O. C. Hufnagle. 1,586,766; June 1.
Pump, Rotary. W. Hohagen. 1,586,806; June 1.
Pumping system. H. B. Halvorsen. 1,586,896; June 1.
Quickly-detachable screen. L. E. Soldan and G. W. Behnke. 1,587,196; June 1.
Rack: *See*—
Display rack. Roll supporting and display rack.
Luggage rack.
Radiator-cap condenser. A. C. Elley. 1,586,733; June 1.
Radiator caps and the like, Locking device for. S. Faith and L. Hoffberg. 1,586,791; June 1.
Radiator casing. A. D. Bull. 1,586,604; June 1.
Radiator cooler. R. Conrader. 1,587,284; June 1.
Radiator shutters, Automatic control mechanism for. G. E. Petersen. 1,587,351; June 1.
Radiator trap. C. A. Dunham. 1,586,788; June 1.
Radiocabinet. E. B. Mallory. Des. 70,285–6; June 1.
Radio, Coupler for. A. P. Hinsky. 1,587,381; June 1.
Radiodetector. A. H. Miller. 1,586,828; June 1.
Radiofrequency transformer. C. R. French. 1,587,373; June 1.
Radio head set. A. J. Ouillette. 1,587,409; June 1.
Radiohorn. J. M. Gaar. Des. 70,272–5; June 1.
Radio loud speaker and lamp, Combined. A. E. Wheeler. 1,587,096; June 1.
Rail anchor. H. G. Warr. 1,586,724; June 1.
Rails and the like, Anchoring device for hand. R. E. Nicholson. 1,586,833; June 1.
Rails to their supports, Fastening railway. H. Etheridge. 1,586,617; June 1.
Railway-switch guard. A. J. Fleming. 1,586,734; June 1.
Railway-traffic-controlling apparatus. R. A. McCann. 1,587,163; June 1.
Railway vehicles, Momentum brake for. L. Boirault. 1,587,364; June 1.
Range finder. J. B. Henderson. 1,586,741; June 1.
Ranges, Gas-cock-locking device for gas. A. F. Glaessner. 1,587,226; June 1.
Receptacle closure. O. B. Case, J. Bachman, and R. E. Rhoades. 1,586,781; June 1.
Receptacle, Mixing. J. A. Kanter. 1,587,331; June 1.
Reciprocating engine. M. L. Davis, jr. 1,586,973; June 1.
Record-controlled machines, Controlling device for. J. R. Peirce. 1,587,033; June 1.
Refrigerating apparatus. C. C. Hansen and H. V. Hansen. 1,586,798; June 1.
Refrigerator can. A. Miller. 1,586,829; June 1.
Refrigerator receptacle. J. E. Marsden. 1,587,167; June 1.
Regulator. P. A. Newman. 1,586,569; June 1.
Remedy, Anthelmintic. W. Kropp, W. Schranz, and W. Schulemann. 1,587,077; June 1.
Remote control and supervisory system. J. B. Harlow. 1,587,121; June 1.
Resins, photographic process, and media, Synthetic. M. C. Beebe, A. Murray, and H. V. Herlinger. 1,587,269; June 1.
Resins, photographic process, media, and preparing same, Synthetic. M. C. Beebe, A. Murray, and H. V. Herlinger. 1,587,273; June 1.
Resins, photographic process, photographic media, and preparing same, Synthetic. M. C. Beebe, A. Murray, and H. V. Herlinger. 1,587,272; June 1.
Resistance, Variable. T. Appleby. 1,587,136; June 1.
Rims, Driving lug for demountable. W. S. Booth. 1,587,142; June 1.
Rims, Fastening device for demountable. C. J. White. 1,587,260; June 1.
Rims, Making wheel. A. J. Michelin. 1,587,020; June 1.
Ring: *See*—
Finger ring. Piston ring.
Ring. F. I. Hammond. Des. 70,276; June 1.
Ring-covering machine. R. R. Ambler. 1,586,639; June 1.
Rock crusher. C. B. Rogers. 1,587,085; June 1.
Rock grab. T. L. Durocher. 1,587,479; June 1.
Rod: *See*—
Fishing rod.
Rod weeder, Rotary-. L. C. Van Patten. 1,586,925; June 1.
Roll supporting and display rack. A. E. Holmes. 1,587,234; June 1.
Rolling mill for pierced or solid metal blanks. J. Gassen. 1,587,112; June 1.
Roof flashing. R. J. Stephenson. 1,587,250; June 1.
Rope clamp. L. R. Tompkins. 1,587,202; June 1.
Rosette, badge, and the like and making the same. E. N. Gallagher. 1,587,294; June 1.
Rotary expansion engine. O. S. Rowman. 1,586,775; June 1.
Routing machine. G. Clausing. 1,587,065; June 1.

Rubber article, producing same, and composition therefor. Sponge-. T. P. Marshall. 1,587,486; June 1.
Rubber handwheels, Making molded-. H. D. Geyer. 1,586,737; June 1.
Rubber, Removing sulphur from vulcanized. L. L. Odom. 1,587,408; June 1.
Safety device. R. F. Paden. 1,586,574; June 1.
Safety lock. V. J. M. Eras. 1,587,108; June 1.
Sash guide. T. W. Holt. 1,587,315; June 1.
Sash weights, Guide for. W. E. De Camp. 1,587,218; June 1.
Saw-leveling machine. W. Allen. 1,587,357; June 1.
Saws, Rough and slick jointer for filing. A. F. Dougan. 1,586,661; June 1.
Scaffolding, Movable bracket for flying. A. Minzoni. 1,587,238; June 1.
Scale. L. Jaenichen. 1,586,747; June 1.
Scale case. G. E Chatillon. 1,587,146; June 1.
Screen: *See*—
Quickly-detachable screen.
Screen frame, Metallic. A. W. Sandelin. 1,586,708; June 1.
Screening and grading materials, Apparatus for. J. Parasey. 1,587,291; June 1.
Seat back. W. F. Stouffer and B. E. Lambert. 1,587,199; June 1.
Seat raiser, Automatic. J. W. Collins. 1,587,216; June 1.
Seesaw. W. L. Herring. 1,586,899; June 1.
Self-cleaning pipe. L. Stern. 1,587,048; June 1.
Separator mechanism. O. J. Leins. 1,586,560; June 1.
Sewing-machine attachment. M. A. Workman. 1,587,458; June 1.
Sewing machines, Trimming mechanism for. J. R. Moffatt. 1,586,830; June 1.
Shackle. W. A. Tryon. 1,586,721; June 1.
Shade and awning, Combined. E. L. Leinbach. 1,587,126; June 1.
Shade fixture. L. M. White. 1,587,451; June 1.
Shades, Table for sewing and assembling roller. D. W. Klau. 1,587,334; June 1.
Shaft casing, Flexible. E. A. Joline. 1,586,750; June 1.
Shaft collar. C. F. Blake. 1,586,959; June 1.
Shaft, Spline. H. P. Harrison. 1,586,990; June 1.
Shaping machine. E. Stubbs. 1,587,252; June 1.
Sharpener, Tool. C. E. Shaw. 1,587,492; June 1.
Sharpening razors and the like, Device for. W. E. Heron. 1,587,309; June 1.
Sheet material, Machine for polishing. S. E. Weill. 1,586,542; June 1.
Sheet metal and manufacture of the same, Ornamental. W. Wilkinson and A. Green. 1,586,927; June 1.
Sheets consecutively numbered, Manufacturing groups of. O. W. Pendergast. 1,586,915; June 1.
Shingle, Flexible. H. MacInnes. 1,587,017; June 1.
Shingling gauge. E. A. Carr. 1,586,946; June 1.
Shock absorber. E. W. Ackerman and G. C. Nicholson. 1,587,207; June 1.
Shock absorber. A. Krein. 1,586,903; June 1.
Shoe. T. Davis. Des. 70,267; June 1.
Shoe and making same. F. Luppino. 1,586,631; June 1.
Shoe clamp. E. W. Entriken. 1,586,981; June 1.
Shoe dauber. S. Murphy. 1,587,024; June 1.
Shoe last. W. P. Perkins. 1,586,837; June 1.
Shoes, Ankle stay for. A. Posner. 1,586,698; June 1.
Shuttle-refinishing machine, Weaving-. I. Douchette. 1,586,614; June 1.
Sifter, Ash. F. and L. Eckstein. 1,587,221; June 1.
Sifter, Flour. J. P. Devlin. 1,586,974; June 1.
Sign. E. M. Terwilliger. 1,587,443; June 1.
Sign, Advertising. J. A. Haslinger. 1,587,123; June 1.
Signal: *See*—
Automobile signal. Tire signal.
Diaphragm signal. Traffic signal.
Signaling conductors, Inductively loading. G. W. Elmen. 1,586,887; June 1.
Signaling conductors, Loading of. G. W. Elmen. 1,586,883; June 1.
Signaling system. A. M. Curtis. 1,586,970–1; June 1.
Signaling system. H. W. Nichols. 1,586,570; June 1.
Silicate and making it, Base-exchange. H. J. Wheaton. 1,586,764; June 1.
Silk, Softening, twisting, and spinning artificial. R. C. Boger. 1,586,647; June 1.
Skylight and floorlight construction. L. W. Mulford. 1,587,487–8; June 1.
Sleepers, Anchor for. H. W. Raun. 1,587,355; June 1.
Slicing machine, Meat-. P. J. Lucey. 1,586,562; June 1.
Smoke-washing device. T. R. Spencer. 1,586,763; June 1.
Snowplow. D. Wandscheer. 1,587,449; June 1.
Soap cake. C. L. Burgher. 1,587,279; June 1.
Socket, Pull-switch. R. B. Benjamin and C. E. Warner. 1,586,958; June 1.
Socket, Swivel rope. P. A. Schmuck. 1,586,920; June 1.
Soil pulverizer. H. L. Ferris. 1,587,223; June 1.
Soldering apparatus. G. A. Seib. 1,587,429; June 1.
Sound-amplifying means. J. E. Davis. 1,586,659; June 1.
Sound-reproducer cabinet. E. B. Mallory. Des. 70,287; June 1.
Space guide. C. Anhof. 1,587,133; June 1.
Speedometer drive mechanism. G. D. Diggs. 1,586,976; June 1.
Spindle, Spinning. N. G. Glattfelter and K. Baberadt. 1,587,113; June 1.
Spool and making the same, Metallic. K. G. Anderson. 1,586,640; June 1.
Spoon or similar article. A. J. Flauder. Des. 70,270–1; June 1.
Spoon or similar article. H. Hillbom. Des. 70,277; June 1.
Sport ball. W. W. MacDonald. 1,587,392; June 1.
Spraying apparatus. A. B. Hull. 1,586,997; June 1.
Spring fastening of the button type. T. Morton. 1,586,572; June 1.
Spring retainer. H. M. Funnell. 1,587,224; June 1.
Spring-testing machine. J. W. Ridgway. 1,587,183; June 1.
Spring undercutter. A. F. Dougan. 1,586,662; June 1.
Spring wheel. D. Milner. 1,587,398; June 1.
Stair structure. B. R. Burnham. 1,587,281; June 1.
Stalk cutter. L. Nichols. 1,586,913; June 1.
Station apparatus, Testing system for testing subscribers'. C. V. Taplin. 1,586,587; June 1.
Stay-bolt construction. F. W. Shupert. 1,586,921; June 1.
Steam for motive purposes, Production of high-pressure. S. H. Shepherd. 1,586,761; June 1.
Steam generator. L. E. Connelly. 1,587,066; June 1.
Steam superheater of the multiple smoke or fire tube type. A. Spencer. 1,587,045; June 1.
Steering gear assembly. H. M. Denyes. 1,587,219; June 1.
Steering mechanism for grading machines. C. A. Mentzer. 1,586,824; June 1.
Steering wheel. K. T. Keller. 1,587,236; June 1.
Sterilizing and rinsing apparatus. C. L. Lewis. 1,587,386; June 1.
Stocking. W. E. Zander. Des. 70,307; June 1.
Stocking and making the same. E. C. Wilson. 1,587,264; June 1.
Stocking, Seamless. R. W. Scott. 1,587,428; June 1.
Stove. P. Foltyn. 1,586,548; June 1.
Stove outfit, Camp-. A. B. Hull. 1,587,157; June 1.
Stoves, Air-heating attachment for. H. T. Jones. 1,587,328; June 1.
Strain clamp. G. E. Eckert. 1,587,480; June 1.
Strainer. J. W. Bower. 1,587,493; June 1.
Strand-traverse guide. E. J. Abbott. 1,586,767; June 1.
Stream-control apparatus. J. A. Schmutte. 1,587,187; June 1.
Stud fastening. W. R. Kahns and K. Keller. 1,587,330; June 1.
Stump puller. W. A. Wilson. 1,586,872; June 1.
Submarine cable, Continuously-loaded. O. E. Buckley. 1,586,875; June 1.
Submarine signaling. A. M. Curtis. 1,586,972; June 1.
Suction ventilator. I. Davis. 1,586,658; June 1.
Sulphur, Refining or treating. W. P. Thornton. 1,586,439; June 1.
Surgical instrument. S. P. Snow, jr. 1,586,716; June 1.
Swimming appliance. H. D. Witt. 1,586,873; June 1.
Swimming device. W. R. Barringer. 1,586,595; June 1.
Switch: *See*—
Electric switch. Vehicle switch.
Electrical switch.
Switch contact member. W. E. McCoy. 1,586,682; June 1.
Switch mechanism. L. F. Meunier. 1,586,953; June 1.
Switching and indicating system, Electrical. J. B. Harlow. 1,587,122; June 1.
Swivel coupling. H. H. Westinghouse and W. H. Fulton. 1,586,725; June 1.
Synchronizing system. A. A. Clokey. 1,586,966; June 1.
Synchronous converters, Reversing polarity of. A. D. Howry. 1,586,744; June 1.
Table: *See*—
Disappearing table.
Table and stepladder, Combination. S. Jones. 1,587,002; June 1.
Tacking or stapling machine. H. Skrebba. 1,586,583; June 1.
Tanks, Reserve-supply device for gasoline. E. W. Kruse. 1,586,679; June 1.
Tannage by means of the one-bath method, Quick. F. Merkel. 1,587,019; June 1.
Tees, Instrument for forming. L. I. Kelly. 1,587,160; June 1.
Telegraph cable for operation at high speed, Long submarine. O. E. Buckley. 1,586,874; June 1.
Telegraph system. A. A. Clokey. 1,586,878; June 1.
Telegraph system. A. A. Clokey. 1,586,965; June 1.
Telegraph system, Submarine-cable. A. M. Curtis; 1,586,879; June 1.
Telegraphic signals, Receiving system for. R. C. Mathes. 1,586,821; June 1.
Telegraphy, Submarine-cable. O. E. Buckley. 1,586,961; June 1.
Telephone advertising novelty. F. E. Reuter. 1,586,702; June 1.
Telephone attachment. J. E. Wyckoff. 1,587,460; June 1.
Telephone dial, Automatic. F. W. Howard. 1,586,995; June 1.
Telephone-exchange system. G. Thompson. 1,586,538; June 1.
Telephone-exchange systems, Switching apparatus for. J. and C. J. Erickson. 1,586,890; June 1.
Telephone head set. N. Blount. 1,587,140; June 1.
Telephone, Loud-speaking. S. M. Franses. 1,587,372; June 1.

Telephone receiver. J. W. Dungey. 1,587,289; June 1.
Telephone signal system. O. M. Leich. 1,587,125; June 1.
Telephone system. E. H. Clark. 1,586,518; June 1.
Telephone system. R. C. Davis. 1 586,520; June 1.
Telephone system. C. L. Goodrum. 1,586,554; June 1.
Telephone system. E. E. Hinrichsen. 1,586,527; June 1.
Telephone system, Automatic. J. H. Hourighous. 1,586,530; June 1.
Telephone system, Machine-switching. R. L. Stokely. 1,586,537; June 1.
Telephones, Sanitary mouthpiece for. I. A. Spaulding and H. H. Heagle. 1,587,198; June 1.
Terminal remover. G. Skoglund and A. Olson. 1,586,582; June 1.
Testing system. E. R. Lundins. 1,586,564; June 1.
Tether. A. Hallum. 1,587,379; June 1.
Theatrical illusions, Method of and apparatus for producing. H. Thurston and H. Jansen. 1,586,863; June 1.
Therapeutic thermophores. G. A. Wyeth. 1,586,546; June 1.
Thermionic meter. E. Peterson. 1,586,533; June 1.
Thermochemical reactions, Effecting. C. B. Jacobs. 1,587,323; June 1.
Thimble and making same, Last. G. J. Johnson. 1,586,626; June 1.
Tide motor. E. C. Gatlin. 1,587,071; June 1.
Tie. J. A. Caples. 1,587,471; June 1.
Tie plate. N. G. Anderson. 1 587,062; June 1.
Time-indicating device. J. Pond. 1,587,413; June 1.
Tin opener. J. Carafillidis. 1,586,607; June 1.
Tire. J. Tálos. 1,587,439; June 1.
Tire carrier. A. G. Geistert. 1,587,225; June 1.
Tire-chain fastener and lock. S. E. Stanley. 1,586,853; June 1.
Tire-chain tool. J. R. Newell. 1,586,568; June 1.
Tire signal, Flat-. O. H. Helfrick. 1,587,226; June 1.
Tire, Vehicle. H. Linwood. 1,586,907; June 1.
Toaster and cooker, Multiple reflector single-unit combined. A. J. Mottlau. 1,587,023; June 1.
Tobacco machines, Material-feeding device for. C. J. Du Brul and J. F. Sees. 1,587,477; June 1.
Tool, Fluid-pressure-actuated. E. H. Shaff. 1,586,849; June 1.
Tooth, Ready-made dummy. H. E. Murphy. 1,586,912; June 1.
Towline. W. Schwier. 1,587,426–7; June 1.
Toy. J. Monson. 1,587,127; June 1.
Toy. W. A. Radford. 1,587,354; June 1.
Toy camera. J. G. Heard, jr. 1,586,678; June 1.
Toy dumping wagon. E. W. Mielka. 1,586,571; June 1.
Toy gas range. J. H. Hartman. 1,587,305; June 1.
Toy, Mechanical. C. A. Wetzell. 1,586,870; June 1.
Toy, Mechanically-operated. S. T. Workman, jr. 1,587,459; June 1.
Toy, Movable figure. J. Gold and A. H. C. Cremer. 1,586,796; June 1.
Toy refrigerator. J. H. Hartman. 1,587,306; June 1.
Toy vehicle, Electrically-driven. C. W. Neuzerling. 1,587,083; June 1.
Toy, Wheeled. G. W. Carver. 1,586,608; June 1.
Toy, Wind-propelled. I. Appelman. 1,586,641; June 1.
Tracer, Contouring. J. C. Shaw. 1,587,190; June 1.
Traction chain. C. G. White. 1,587,097; June 1.
Tractor hitch. H. L. Reed. 1,587,416; June 1.
Tractor shoe. W. E. Wine. 1,586,928–31; June 1.
Tractor shoe. W. E. Wine. 1,586,934; June 1.
Tractor wheel. W. E. Wine. 1,586,932–3; June 1.
Tractor wheel. W. E. Wine. 1,586,935; June 1.
Tractor wheel. W. E. Wine. 1,587,056; June 1.
Tractors, Sawing attachment for. L. E. Gulliford. 1,586,797; June 1.
Traffic signal. L. M. Rouse. 1,586,917; June 1.
Trailer attachment. A. L. Humphrey. 1,587,074; June 1.
Transformer circuits. H. Whittle. 1,587,098; June 1.
Transformer cooler. R. Conrader. 1,587,285; June 1.
Transmission device. G. Morgan. 1,587,344; June 1.
Transmissions, Preselecting and shifting device for. J. Blackburn. 1,586,515; June 1.
Transportable elevator. E. A. Allen. 1,586,768; June 1.
Trap: *See*—
Animal trap. Radiator trap.
Dental cuspidor trap.
Trash rack and radial gate, Combination. J. A. Leonard. 1,586,753; June 1.
Tray, Display. E. T. Folts. 1,586,665; June 1.
Tray for bar or package confections, Display. E. T. Folts. 1,586,666; June 1.
Tree-planting device. C. Heath. 1,586,676; June 1.
Trestle, Paper-hanger's and painter's. C. F. and B. F. Illiger. 1,587,372; June 1.
Trolley-conductor clamp. N. A. Wahlberg. 1,586,723; June 1.
Truck. A. A. Borchert. 1,587,366; June 1.
Truck, Dumping. C. J. Hug. 1,586,808; June 1.
Tube-making machine. G. R. Wyman. 1,586,593; June 1.
Tube-plate vulcanizer, Electric. C. W. Campbell. 1,587,282; June 1.
Tuberculin, Producing. K. Yoshizawa. 1,586,937; June 1.
Turbine installation. E. L. Richardson. 1,587,420; June 1.
2:3-diamino-anthraquinone, Manufacture of. W. Moser. 1,586,911; June 1.
Type-casting machine. J. F. Norman. 1,586,760; June 1.
Typewriters, Folded-paper support and guiding attachment for. E. D. Bennett. 1,587,465; June 1.
Typewriting machine. G. A. Greenwood. 1,587,117; June 1.
Typewriting machine. J. B. Holden. 1,587,484; June 1.
Typewriting machine. A. G. F. Kurowski. 1,586,680; June 1.
Typewriting machine. J. A. B. Smith. 1,586,715; June 1.
Typewriting machine. J. A. B. Smith. 1,587,128; June 1.
Typing machines, Copyholder and indicator for. L. T. Mathews. 1,587,342; June 1.
Umbrella, Folding. R. H. Davis. 1,587,475; June 1.
Union suit. A. L. Z. Williams. 1,587,099; June 1.
Universal joint. C. W. Spicer. 1,587,046; June 1.
Vacuum-cleaner bag. F. Webb. 1,586,868; June 1.
Vacuum insulator. W. G. Housekeeper. 1,587,156; June 1.
Vacuum-tube connection. W. Wolff. 1,587,456; June 1.
Vacuum tubes, Mounting for. A. Haddock. 1,587,120; June 1.
Valve. A. Marcelli. 1,587,080; June 1.
Valve. A. V. Rigby. 1,586,844; June 1.
Valve. W. G. Wilson. 1,587,055; June 1.
Valve-accelerating device, Dry-pipe-. E. Tyden. 1,586,722; June 1.
Valve and fuel control, Combined safety. W. O. Maitland. 1,586,757; June 1.
Valve, Automatic water-control. H. Olsen. 1,587,176; June 1.
Valve, Compressor. E. Nathan. 1,586,832; June 1.
Valve for air brakes, Automatic retaining. J. L. Farmer. 1,586,891; June 1.
Valve, Gas-meter. G. H. Molden. 1,586,685; June 1.
Valve-guide bushings, Oiling device for. W. A. Disch. 1,586,613; June 1.
Valve opener. C. W. Metzgar. 1,586,635; June 1.
Valve, Radiator. F. H. Dougherty. 1,586,787; June 1.
Valve-spring lifter. P. Palmgreen. 1,586,835; June 1.
Valve, Spring-secured safety. E. Gansfried. 1,587,296; June 1.
Valve, Thermostatically-controlled. A. E. Paige. 1,587,177; June 1.
Varnish, Producing. W. W. King. 1,587,333; June 1.
Vehicle brake, Attachable. E. R. Ritter. 1,587,421; June 1.
Vehicle brake mechanism. M. Moskowitz. 1,587,346; June 1.
Vehicle, Child's. H. W. Dyer. Des. 70,269; June 1.
Vehicle, Child's toddler type of. J. A. Bried 1,586,942; June 1.
Vehicle, Collapsible water. J. Bauer. 1,587,209; June 1.
Vehicle power plants, Oil shield for motor-. C. F. S. Byrne, sr. 1,587,214; June 1.
Vehicle switch. I. E. Gordon and L. Skowreinsky. 1,586,621; June 1.
Vehicle tops, Pad for. M. V. Leach. 1,586,629; June 1.
Vehicle wheel. W. A. Antllottl. 1,586,955; June 1
Vehicles, Anchorage device for. W. W. Blakely. 1,586,773; June 1.
Vehicles, Clear-vision method and device for motor. J. D. Morgan. 1,586,688; June 1.
Vehicles, Crank-case cooler for motor. J. R. Miller. 1,586,909; June 1.
Vehicles, Internal-combustion engine for motor. O. D. North. 1,587,406; June 1.
Vehicles, Power-delivering attachment for motor. L. Haubert. 1,586,675; June 1.
Vehicles, Power-take-off device for motor. F. A. Whitten. 1,587,205; June 1.
Vehicles, Shock absorber for. A. M. Graves. 1,587,116; June 1.
Vending machine. W. J. Goudeau. 1,587,114; June 1.
Vending machine, Coin-controlled. E. Wisroth. 1,586,936; June 1.
Vending machine, Pop-corn-. G. H. Hartman. 1,586,950; June 1.
Ventilating system, Mine-. R. T. F. Dodds. 1,586,660; June 1.
Ventilator: *See*—
Suction ventilator. Window ventilator.
Vise, Hydraulic. J. R. Wilson. 1,587,454; June 1.
Wagon, Child's combination. W. H. Herrick. 1,586,624; June 1.
Wall construction, Corner-. G. P. Reintjes. 1,586,841; June 1.
Warning for close clearance, Side. B. J. Hastings. 1,587,307; June 1.
Warp stop motion. E. R. Holmes. 1,586,807; June 1.
Washing machine. J. W. Jackson. 1,587,235; June 1.
Washing-machine attachment. A. Blake. 1,586,516; June 1.
Watchcase type receiver. D. W. Wells. 1,587,203; June 1.
Water heater. L. Majercsik. 1,587,393; June 1.
Water heater. W. Willett. 1,587,100; June 1.
Water-heating apparatus, Switch for electric. K. F. Henneman. 1,587,154; June 1.
Water motor. E. S. Brothers. 1,586,777; June 1.

Water supply, Double rack for. A. J. Leonard. 1,586,754; June 1.
Wave transmitting and receiving system, Duplex carrier-. H. T. Friis. 1,586,985; June 1.
Weatherstrip. J. H. Foote. 1,586,736; June 1.
Web press, Perfecting. H. A. W. Wood. 1,587,455; June 1.
Weights, Deflector for slip-actuating. C. S. Crickmer. 1,586,968–9; June 1.
Welding. T. E. Murray, jr. 1,586,691; June 1.
Welding articles of varying thickness. T. E. Murray, jr. 1,586,690; June 1.
Welding machine. A. M. Stanley and J. E. Sims. 1,586,585; June 1.
Welding or riveting, Electric. E. Thomson. 1,587,445; June 1.
Well bore, Forming a. J. A. Zublin. 1,587,266; June 1.
Well-capping device and control head. A. O. Hessemer. 1,586,992; June 1.
Well-drilling equipment. E. E. Townsend. 1,586,923; June 1.
Wheel: *See*—
Automobile wheel. Tractor wheel.
Spring wheel. Vehicle wheel.
Steering wheel.
Wheels, Disk for vehicle. J. R. Winter. 1,586,726; June 1.
Wheels, Divisible rim for vehicle. J. C. Barker. 1,587,360; June 1.
Winch, Self-propelled. J. H. Wilson. 1,587,453; June 1.
Wind motor. P. W. Palm. 1,586,914; June 1.
Window. O. Milette. 1,586,636; June 1.
Window construction. W. W. Bradley. 1,586,776; June 1.
Window, Reversible. W. B. Gates. 1,587,297; June 1.
Window ventilator. A. A. Craig. 1,586,519; June 1.
Wire belt and making same. H. Lindsay. 1,587,338; June 1.
Wire belts, Seam for woven-. H. Lindsay. 1,587,339; June 1.
Wire cloth, Method and apparatus for weaving. H. Lindsay. 1,587,337; June 1.
Wire cutter. P. Beghetti. 1,587,464; June 1.
Wireless transmission system. F. Conrad. 1,586,653; June 1.
Wire-twisting machines, Stopping mechanism for. A. Van Veen. 1,587,093; June 1.
Word-writing machine. C. C. Balston. 1,587,137; June 1.
Wrench. A. Anderson. 1,586,513; June 1.
Wrench. D. B. Holloman. 1,587,233; June 1.
Wrench. J. D. O'Brien. 1,587,407; June 1.
Wrench. J. A. Peterson. 1,587,352; June 1.
Yarn, Apparatus for conditioning and cooling. F. Kershaw. 1,587,384; June 1.

CLASSIFICATION OF PATENTS

ISSUED JUNE 1, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

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144— 69: 1,587,065
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145— 123: 1,586,559
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148— 2: 1,586,871
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149— 5: 1,587,019
6: 1,586,964
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167— 7: 1,586,937
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169— 4: 1,586,956
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171— 34: 1,586,649
95: 1,586,533
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183— 51: 1,586,808
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June 8, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adler Underwear & Hosiery Mfg. Co., The, Cincinnati, Ohio. Cotton fabric sold as piece goods. 214,002; June 8; Serial No. 226,617; published Mar. 30.

Advance Bag and Paper Company, Inc., Boston, Mass. Paper bags. 213,952; June 8; Serial No. 222,546; published Mar. 30, 1926.

American Arlesheim Laboratories, Inc., New York, N. Y. Liquid used in the treatment of bronchial affections. 213,888; June 8; Serial No. 227,101; published Mar. 23, 1926.

American Chemical Manufacturing & Mining Company, assignor to Shinola Company, Rochester, N. Y. Shoe polish. 54,769; renewed July 31, 1926.

American Chemical Manufacturing & Mining Company, assignor to Shinola Company, Rochester, N. Y. Polishing brushes and daubers for shoe polish. 56,223; renewed Sept. 4, 1926.

American Cyanamid Company, New York, N. Y. Cyanides. 213,989; June 8; Serial No. 227,053; published Mar. 30, 1926.

American Manganese Steel Company, Chicago Heights and Chicago, Ill.; New York, N. Y.; New Castle, Del.; Los Angeles and Oakland, Calif.; Denver, Colo.; and St. Louis, Mo. Heat-resisting and corrosion-resisting and oxidation-resisting alloys. 213,922; June 8; Serial No. 226,327; published Mar. 30, 1926.

American Sales Company. (See Carter-Crume Co. Limited, The, assignor.)

American Screw Company, Providence, R. I. Tire bolts and rivets. 54,028; renewed Aug. 7, 1926.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Cotton cloth in the bolt. 214,067; June 8.

Anderson, Francis, assignor to Tavanagh Weaving Company Limited, Portadown, Ireland. Linen goods. 214,012; June 8; Serial No. 222,297; published Mar. 30, 1926.

Arguto Oilless Bearing Company. (See Mellor, Norman.)

Armour and Company, Chicago, Ill. Lard. 56,864; renewed Oct. 23, 1926.

Arnold Brothers Inc., Chicago, Ill. Meat sausage loaf. 213,969; June 8; Serial No. 224,644; published Mar. 30, 1926.

Asphalt Cold Mix Limited, assignor to Asphalt Cold Mix (1925) Limited, London, England. Bituminous emulsions for use in road making, briquetting, etc., 213,936; June 8; Serial No. 216,377; published Feb. 16, 1926.

Associated Products Company. (See Cameron, Angus.)

Attix, E. D., Knoxville, Tenn. Hosiery. 213,872; June 8; Serial No. 216,578; published Mar. 30, 1926.

Autopiano Company, The, New York, N. Y. Automatic piano players. 56,003; renewed Aug. 21, 1926.

Avri Drug & Chemical Company, Jersey City, N. J. Drugs, chemicals, essential oils, etc. 214,040; June 8; Serial No. 225,296; published Mar. 23, 1926.

Ayres, William, & Sons, assignor to William Ayres & Sons, Inc., Philadelphia, Pa. Horse blankets. 56,597; renewed Oct. 9, 1926.

Babcock, A. P., Company, New York, N. Y. Face powders, creams, dentifrices, lip sticks, etc. 214,000; June 8; Serial No. 226,414; published Mar. 16, 1926.

Bacigalupo, John L., doing business as Ginocchio & Co., Chicago, Ill. Sauce for use on macaroni, spagbetti, and rice. 213,842; June 8; Serial No. 219,162; published Mar. 23, 1926.

Baker Extract Company, Portland, Me., and Springfield, Mass., assignor to Baker Extract Company, Springfield, Mass., successor. Flavoring extracts and preparations. 51,116; renewed Apr. 3, 1926.

Balata, Victor, & Textile Belting Co., New York, N. Y. Belt knives and belt punches. 213,882; June 8; Serial No. 226,838; published Mar. 30, 1926.

Baronet Extract and Distributing Co. (See Gugenheim, Albert M.)

Barrett & Barrett, St. Paul, Minn. Cider. 53,333; renewed May 29, 1926.

Bay City Milling Company, Bay City, Mich. Malt sirup for food purposes. 213,949; June 8; Serial No. 222,813; published Jan. 19, 1926.

Beecham, Emma, doing business as Beecham's Laboratory, Oscawana-on-Hudson, N. Y. Face powders, skin lotions, toilet waters, etc. 213,856; June 8; Serial No. 225,252; published Mar. 9, 1926.

Belga Match Soc. An., Ninove, Belgium. Matches. 214,016–18; June 8; Serial Nos. 223,455–7; published Mar. 30, 1926.

Bilhuber, E., Inc., New York, N. Y. Medical preparation for the treatment of the heart. 213,833; June 8; Serial No. 225,761; published Mar. 9, 1926.

Blackstone Manufacturing Company, doing business as Tru Lax Manufacturing Co., Newark, N. J. Chewing-gum laxatives. 214,008; June 8; Serial No. 220,174; published Mar. 2, 1926.

Bloch Brothers Tobacco Company, The, Wheeling, W. Va. Chewing and smoking tobacco. 56,203; renewed Sept. 4, 1926.

Bond Clothing Company, The, now, by consolidation, Bond Stores, Incorporated, Cleveland, Ohio. Clothing. 214,030; June 8; Serial No. 195,858; published Feb. 3, 1925.

Borden Company, The. (See Michigan Condensed Milk Co., assignor.)

Brand & Oppenheimer, Incorporated, New York, N. Y. Cotton piece goods. 214,041; June 8; Serial No. 225,346; published Mar. 30, 1926.

Bright, David M., Winnipeg, Manitoba, Canada. Wrenches, vises, and pipe cutters. 213,998; June 8; Serial No. 214,234; published Aug. 25, 1925.

Buckeye Soda Products Company, The, Cincinnati, Ohio. Washing soda. 213,817; June 8; Serial No. 217,131; published Mar. 9, 1926.

Bullard, C. J., Marshall, Tex. Medicinal preparation to be used as a tonic for bad blood, kidney and liver troubles, etc. 213,883; June 8; Serial No. 226,940; published Mar. 23, 1926.

Bushnell, W. F. T., Company, The, assignor to The Bushnell Company, Aberdeen, S. Dak. Magazine. 55,444; renewed Aug. 14, 1926.

Cahn, Milton, & Company, New York, N. Y. Perfumes. 213,909; June 8; Serial No. 223,766; published Mar. 2, 1926.

California Wine Association, San Francisco, Calif. Wine. 55,663; renewed Aug. 21, 1926.

Calo Remedy Company. (See Stephenson, Andrew C.)

Cameron, Angus, doing business as Associated Products Company, assignor to Helpa Products Corporation, New York, N. Y. Solvent cleanser, water softener, and boiler compound. 213,851; June 8; Serial No. 224,901; published Mar. 2, 1926.

Cammann, Estelle W. (See Mackrell, Susanna W., assignor.)

Capewell Horse Nail Company, The, Hartford, Conn. Horse nails. 56,605; renewed Oct. 9, 1926.

Capitol Insecticide Co., The. (See Chamblin, Jones M.)

Carter-Crume Co. Limited, The, Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada, and Niagara Falls and Elmira, N. Y. Autographic registers. 50,346; renewed Mar. 13, 1926.

Carter-Crume Co. Limited, Niagara Falls, assignor to American Sales Book Company, Limited, Niagara Falls and Elmira, N. Y., and Toronto, Canada. Duplicate-sales-slip books and paper pads therefor. 50,583; renewed Mar. 27, 1926.

Carter, H. W., & Sons, Lebanon, N. H. Overalls. 50,145; renewed Mar. 6, 1926.

Chamblin, Jones M., doing business as The Capitol Insecticide Co., Jackson, Miss. Insecticides. 213,847; June 8; Serial No. 227,110; published Mar. 23, 1926.

Chang, Wah K., Chicago, Ill. Medicine for use in treating rheumatism, kidney and stomach ailments, etc. 213,974; June 8; Serial No. 226,712; published Mar. 30, 1926.

Chemische Fabrik Pott & Co., Dresden, Germany. Preparations for treating textile fasers and fabrics during dyeing and sizing operations. 214,031; June 8; Serial No. 196,434; published Mar. 16, 1926.

Chester, Delilah H., New York, N. Y. Toilet powders, facial creams, skin tonics, perfumes, etc. 214,036; June 8; Serial No. 207,067; published Mar. 23, 1926.

Chicago Mail Order Company, Chicago, Ill. Women's and misses' dresses. 214,071; June 8.

Chicago Mirror & Art Glass Co., Chicago, Ill. Mirrors. 213,880; June 8; Serial No. 226,631; published Mar. 23, 1926.

Chocolate Products Company, Chicago, Ill. Beverages sold as soft drinks and sirups and extracts for making the same. 213,971; June 8; Serial No. 226,633; published Mar. 30, 1926.

Clarke Chemical Company, The, Wickliffe, Ohio. Liquid disinfectant. 213,889; June 8; Serial No. 227,111; published Mar. 23, 1926.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 213,834; June 8; Serial No. 225,592; published Mar. 30, 1926.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and dress and negligee shirts. 213,930; June 8; Serial No. 210,353; published June 2, 1925.

Colgate & Co., New York, N. Y., assignor to Colgate & Company, Jersey City, N. J. Soap. 55,846; renewed Aug. 21, 1926.

Colgate & Co., New York, N. Y., assignor to Colgate & Company, Jersey City, N. J. Soaps and soap powders. 55,886; renewed Aug. 21, 1926.

Colgate & Company, Jersey City, N. J. Antifreeze compound. 213,886; June 8; Serial No. 227,060; published Mar. 23, 1926.

Colgate & Company, Jersey City, N. J. Talcum powder, perfumes, toilet water, and face powder. 213,892; June 8; Serial No. 222,310; published Mar. 16, 1926.

Colgate & Company, Jersey City, N. J. Package containing cold cream, compact, face powder, toilet water, etc. 214,010; June 8; Serial No. 220,703; published Jan. 19, 1926.
Colla, Paul, Youngstown, Ohio. Scalp tonic. 213,820; June 8; Serial No. 225,951; published Mar. 9, 1926.
Columbia Shirt Co. (See New Columbia Shirt Co., assignor.)
Columbia Specialty Co. (See Maggini, Peter.)
Cook, Charles F. W., doing business as Herbert & Whiting Company, Brooklyn, N. Y. Medicines. 213,849; June 8; Serial No. 224,904; published Feb. 16, 1926.
Cook, Elmer E., Onalaska, Wash. Salve or plaster for treating cancer. 213,863; June 8; Serial No. 225,871; published Mar. 2, 1926.
Cookerow, Martin W., doing business as Quaker Maid Products Company, Washington, D. C. Insecticide, disinfectant, and deodorant. 214,047; June 8; Serial No. 226,232; published Mar. 16, 1926.
Cox Corporation, Wilkes-Barre, Pa. Automobile bumpers. 214,063; June 8.
Crockett, O. F., doing business as Old Fort Cider Works, Toledo, Ohio. Beverages and sirups and juice for making the same. 214,054; June 8.
Crosman, G. A., & Sons Co., Deering Junction, Portland, Me. Toy wooden building blocks. 213,804; June 8; Serial No. 225,704; published Mar. 30, 1926.
Crouch, Nelle M., doing business as Nedit Co., Columbia, Mo. Preparation to set dye in fabrics. 213,859; June 8; Serial No. 225,351; published Mar. 9, 1926.
Crown Water Company, The. (See Schachter, Martin.)
Crystal Chemical Company, Inc., The, New York, N. Y. Powders for nursery and toilet use; ointments. 213,935; June 8; Serial No. 218,106; published Mar. 30, 1926.
Dahl, Harald A. C., assignor to George W. Dahl, doing business at H. A. C. Dahl & Son, Brooklyn, N. Y. Dyspepsia cakes. 50,715; renewed Mar. 27, 1926.
Dale & Dale, Sacramento, Calif. Medicine for treatment of rheumatism. 213,853; June 8; Serial No. 224,811; published Mar. 2, 1926.
Dal-Tex Coffee Co., Dallas, Tex. Coffee and tea. 213,965; June 8; Serial No. 224,960; published Mar. 30, 1926.
Davidson Rubber Company, Charlestown, Boston, Mass. Nursing-bottle nipples. 54,808; renewed July 31, 1926.
De Flon & Company. (See Headstream & de Flon.)
Detroit Dental Manufacturing Co., Detroit, Mich. Antiseptics and germicides. 213,878; June 8; Serial No. 226,340; published Mar. 2, 1926.
Dexter Rubber Manufacturing Company, Goshen, N. Y. Rim flaps for tires. 213,816; June 8; Serial No. 225,953; published Mar. 30, 1926.
Disk, A. B., Company. (See Neostyle Company, assignor.)
Dobbs & Co., New York, N. Y. Perfumes, toilet waters and powders. 213,907; June 8; Serial No. 207,857; published Feb. 24, 1925.
Downing Taylor Company, Springfield, Mass. Preserved citron, canned vegetables, fish, and fruit. 213,934; June 8; Serial No. 219,950; published Mar. 23, 1926.
Dudley, Nathaniel W., Cave Spring, Ga. Liniment. 213,958; June 8; Serial No. 225,470; published Mar. 30, 1926.
Dufek, Joseph, doing business as Lager Malt Extract Company, Chicago, Ill. Malt extract. 213,870; June 8; Serial No. 213,013; published Mar. 23, 1926.
Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Pyroxylin enamels. 213,806; June 8; Serial No. 225,777; published Mar. 23, 1926.
Durand-McNeil-Horner Co., Chicago, Ill. Grapefruit, marinated herring, brussels sprouts, etc. 213,912; June 8; Serial No. 191,820; published Mar. 23, 1926.
Eatmore Candy Co., Omaha, Nebr. Candy. 213,874; June 8; Serial No. 214,914; published Mar. 30, 1926.
Economy Irrigation Company Limited, Victoria, British Columbia, Canada, and Seattle, Wash. Irrigation sprinklers. 214,042; June 8; Serial No. 225,352; published Mar. 30, 1926.
Edstrom-Wetmore-Henderson Corp., Warren, Pa. Shade rollers. 213,868; June 8; Serial No. 212,487; published Mar. 23, 1926.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer enamels, and thinners. 213,916–18; June 8; Serial Nos. 226,233–5; published Mar. 23, 1926.
Eisenberg, A., Company, Inc., Baltimore, Md. Frocks. 213,919; June 8; Serial No. 226,237; published Mar. 30, 1926.
Elgin National Watch Company, Chicago, Ill. Indicating devices for motor boats and aeroplanes. 214,057–8; June 8.
Emmanuel Missionary College, Berrien Springs, Mich. Rockerless rocking-chairs. 213,846; June 8; Serial No. 226,238; published Mar. 30, 1926.
Ertel Brothers Company, Williamsport, Pa. Empty paper boxes with fancy coverings. 213,968; June 8; Serial No. 224,698; published Mar. 30, 1926.
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Rolled, drawn, and forged iron and steel. 213,827; June 8; Serial No. 209,903; published Mar. 30, 1926.
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Rolled, drawn, and forged iron and steel. 213,865; June 8; Serial No. 209,905; published Mar. 30, 1926.
Fair Play Caramels, Inc., Johnson City, N. Y. Candy. 214,006; June 8; Serial No. 217,212; published Mar. 30, 1926.
Fallis Inc., doing business as Wendy Parfumerie, Cincinnati, Ohio. Perfumes. 213,884–5; June 8; Serial Nos. 227,005–6; published Mar. 23, 1926.
Farwell & Rhines, Watertown, N. Y. Wheat flour. 55,264; renewed Aug. 14, 1926.
Ferris, F. A., & Company, assignor to F. A. Ferris & Company, Inc., New York, N. Y. Smoked meats. 56,516; renewed Oct. 2, 1926.
Ferris, F. A., & Company, assignor to F. A. Ferris & Company, Inc., New York, N. Y. Ham and bacon. 56,586; renewed Oct. 9, 1926.
Ferris, F. A., & Company, assignor to F. A. Ferris & Company, Inc., New York, N. Y. Bacon. 56,682; renewed Oct. 16, 1926.
Ferris, F. A., & Company, assignor to F. A. Ferris & Company, Inc., New York, N. Y. Smoked and pickled meats. 56,717; renewed Oct. 16, 1926.
Fidelity Hop & Malt Company, Chicago, Ill. Malt sirup for food purposes. 213,809–10; June 8; Serial Nos. 225,878–9; published Mar. 23, 1926.
Filtration Engineers Inc., New York, N. Y. Automatic vacuum filters, automatic sand filters, nonatomizing wash filters, etc. 213,897; June 8; Serial No. 223,028; published Mar. 30, 1926.
Fisher, Nath'l, & Co., New York, N. Y. Boots, shoes, and slippers of leather or textile material, or both, and soles therefor. 51,149; renewed Apr. 3, 1926.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot-water boilers. 214,049; June 9.
Fleron, M. M., & Son, Inc., Trenton, N. J. Face powders, creams, vanishing creams, hair tonics, nail polishes, etc. 213,938; June 8; Serial No. 213,073; published Mar. 30, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,209–10; renewed Apr. 10, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,229–30; renewed Apr. 10, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,343; renewed Apr. 10, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,345–6; renewed Apr. 10, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,639–42; renewed Apr. 17, 1926.
Follansbee Brothers Company, Pittsburgh, Pa. Tin and terne plates. 51,639–42; renewed Apr. 17, 1926.
Fonyo, Aladar, doing business as Royal Mix Company, Chicago, Ill. Beverages sold as soft drinks and sirups and extracts for making the same. 213,972; June 8; Serial No. 226,644; published Mar. 30, 1926.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 213,877; June 8; Serial No. 221,697; published Nov. 24, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 214,009; June 8; Serial No. 220,277; published Mar. 30, 1926.
Foster, Theodore W., & Bro. Co., Providence, R. I. Sterling-silver jewelry for personal adornment. 52,840; renewed May 22, 1926.
Fox, Samuel, and Company, Limited, Stockbridge Works, near Sheffield, England. Umbrella frames. 53,898–900; renewed June 12, 1926.
Fox, Samuel, and Company, Limited, Stockbridge Works, near Sheffield, England. Umbrella frames of metal. 53,901–2; renewed June 12, 1926.
Friedman, Keller & Co., to Leo F. Keller, Paducah, Ky., successor. Whisky. 55,287–8; renewed Aug. 14, 1926.
Gallaher Limited, Belfast, Ireland. Smoking and chewing tobacco, cigars, and cigarettes. 213,800; June 8; Serial No. 225,657; published Apr. 30, 1926.
Gar Specialty Co. (See Street, George W.)
Gem Chemical Co. (See Gross, Samuel, assignor.)
General Brokers. (See Kumler, A. James.)
Genovese, Anthony R., New Orleans, La. Liquid hair straightener. 213,964; June 8; Serial No. 225,118; published Mar. 30, 1926.
Ginocchio & Co. (See Bacigalupo, John L.)
Glendora Lemon Growers Association, Glendora, Calif. Fresh lemons. 213,904; June 8; Serial No. 204,025; published Mar. 30, 1926.
Glidden Company, The, Cleveland, Ohio. Dry, paste, and ready-mixed paints, varnishes, etc. 213,950; June 8; Serial No. 225,413; published Mar. 30, 1926.
Godel, E., & Sons, Peoria, Ill. Meats. 56,715; renewed Oct. 16, 1926.
Godfrey, Bert O., doing business as Godfrey Propeller Works, Seattle, Wash. Propeller wheels. 214,066; June 8.
Goldenripe Fruits Inc., San Francisco, Calif. Dried fruits. 213,983; June 8; Serial No. 227,514; published Mar. 30, 1926.
Goldstein's, L., Sons. (See Peerless Smelting & Refining Co., assignor.)
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber tires. 56,752–3; renewed Oct. 16, 1926.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber tires. 56,756; renewed Oct. 16, 1926.
Graham, S. Grover, Company, Newburgh, N. Y. Remedies. 56,549; renewed Oct. 2, 1926.
Graham & Zenger, Inc., New York, N. Y. China. 214,004; June 8; Serial No. 214,153; published Mar. 30, 1926.

Great Lakes Thread and Yarn Co., Detroit, Mich. Yarns and sewing threads. 213,995; June 8; Serial No. 222,322; published Mar. 30, 1926.
Griffon Cutlery Works. (See Silberstein, Albert L.)
Gross, Samuel, doing business as Gem Chemical Co., New York, N. Y. Solvent for drain pipes and the like. 213,826; June 8; Serial No. 224,703; published Mar. 2, 1926.
Grueby Faience and Tile Company, Boston, Mass., and Philadelphia, Pa. Faience. 214,027–8; June 8; Serial Nos. 220,897–8; published Mar. 30, 1926.
Gugenheim, Albert M., doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio. Rubbing alcohol, bay rum, toilet water, etc. 213,805; June 8; Serial No. Nos. 226,897–8; published Mar. 30, 1926.
Guilpin, Bernard, doing business as Laboratories Garnier, Blois, France. Lotion for the hair. 214,021; June 8; Serial No. 223,640; published Mar. 9, 1926.
Gulden, Charles, Inc., New York, N. Y. Mustard. 214,056; June 8.
Halperin, Nathan, doing business as Halperin Mills, Brooklyn, N. Y. Artificial-silk knitted fabric. 214,037; June 8; Serial No. 208,704; published Mar. 30, 1926.
Hanly Products Co. Inc., Chicago, Ill. Peeling cream. 213,990; June 8; Serial No. 226,484; published Mar. 30, 1926.
Hardin, Kenneth F., doing business as Hardin & Slider. Knitted underwear, dress shirts, overalls, men's pad garters, women's house dresses and aprons, hosiery, neckties, etc. 213,813; June 8; Serial No. 225,957; published Mar. 30, 1926.
Harris, Frank E., Co., Inc., Binghamton, N. Y. Food-flavoring extracts. 213,825; June 8; Serial No. 224,390; published Mar. 23, 1926.
Harter, Helon G., & Co., assignor to The H. G. Harter & Company, Toledo, Ohio. Preventive and cure of diseases of domestic animals. 56,546; renewed Oct. 2, 1926.
Haustmann A.-G. Schweiz. Medizinal & Sanitäts-Geschäft St. Gallen, St. Gall, Switzerland. Preparation for combating hypogalactia. 213,896; June 8; Serial No. 222,033; published Mar. 23, 1926.
Hayes, Frederick C., Newport, R. I. Hair tonic. 213,913; June 8; Serial No. 224,458; published Mar. 30, 1926.
Headstream & de Flon, to De Flon & Company, Mauston, Wis., successor. Medical compounds. 55,636; renewed Aug. 21, 1926.
Hedwig Sale Corp., New York, N. Y. Automobile rims and locks therefor. 214,064; June 8.
Heib, John M., Seattle, Wash. Liniment for sprains, bruises, stings, etc. 213,993; June 8; Serial No. 224,758; published Mar. 30, 1926.
Helpa Products Corporation. (See Cameron, Angus, assignor.)
Hennessy, Jas., & Co., Cognac, France. Brandy. 56,588–9; renewed Oct. 9, 1926.
Herbert Packing Co., Inc., San Jose, Calif. Canned fruit and vegetables and dried fruit. 213,951; June 8; Serial No. 222,613; published Mar. 30, 1926.
Herbert & Whiting Company. (See Cook, Charles F. W.)
Hoffmann & Billings Mfg. Co., Milwaukee, Wis. Mixing valves, shower stalls, and showers. 214,059; June 8.
Holdstrong Chemical Co. (See Langhaus, Morris.)
Holland Rusk Co., to The Holland Rusk Company, Inc., Holland, Mich., successor. Rusks. 49,656; renewed Feb. 13, 1926.
Holland Rusk Co., to The Holland Rusk Company, Inc., Holland, Mich., successor. Biscuits known as rusks. 52,206; renewed May 1, 1926.
Holton & Adams, assignor to Holton & Adams, Inc., New York, N. Y. Almond-meal compound for the toilet. 56,520; renewed Oct. 2, 1926.
Holtzinger, C. M., Fruit Co., Yakima, Wash. Fresh apples. 213,944; June 8; Serial No. 221,610; published Mar. 30, 1926.
Home Game Company to Standard Playing Card Co., Chicago, Ill., successor. Playing cards. 56,571; renewed Oct. 9, 1926.
Homer, Joseph, New York, N. Y. Dental appliances. 214,011; June 8; Serial No. 222,067; published Mar. 30, 1926.
Horn, John J., Oilton, Okla. Pile remedy. 213,860; June 8; Serial No. 225,362; published Mar. 2, 1926.
House, John W., Boston, Mass. Suitings and woven cloth in the piece. 214,003; June 8; Serial No. 226,288; published Mar. 30, 1926.
Howe, Charles L., Boston, Mass., to Charles L. Howe, Hyannis, Mass. Certain named chemical preparation. 54,108; renewed June 19, 1926.
Howe & French Isinglass Company, Boston, Mass. Isinglass of a gelatinous nature. 55,563–4; renewed Aug. 14, 1926.
Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Hydraulic equipment. 213,910; June 8; Serial No. 223,717; published Mar. 30, 1926.
Hyman, Philip N., Minneapolis, Minn. Insecticide and vermin exterminator. 213,986; June 8; Serial No. 225,475; published Mar. 30, 1926.
I-L & Son. (See La Rosa Ignazio.)
India Tire and Rubber Company, The, Mogadore and Akron, Ohio. Inner tubes of rubber for pneumatic tires. 213,885; June 8; Serial No. 227,121; published Mar. 30, 1926.
Indiana Rubber & Insulated Wire Co., The, Jonesboro, Ind. Insulated wire and cables and insulating tape. 56,559; renewed Oct. 9, 1926.
International Stock Food Company. (See Savage, Marion W.)
Irvin, Jewell & Vinson Co., The, Dayton, Ohio. Varnishes. 214,061; June 8.
Jay-Bee Chemical Co. (See Kirchhoff, Frank L.)
John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes. 213,924; June 8; Serial No. 226,403; published Mar. 30, 1926.
Johnson & Johnson. (See Lee, J. Ellwood, Company, assignor.)
Johnson & Johnson. (See Van Horn & Sawtell, assignor.)
Jorocco Dresses, Inc., New York, N. Y. Silk and rayon dresses. 213,812; June 8; Serial No. 225,926; published Mar. 30, 1926.
Kaufmann, Max, & Co., Inc., New York, N. Y. Piece fabrics of mixed silk and cotton. 214,029; June 8; Serial No. 171,175; published Oct. 21, 1924.
Keller, Leo F. (See Friedman, Keller & Co.)
Kewanee Boiler Co., Kewanee, Ill. Boilers for steam and water heating systems. 55,483; renewed Aug. 14, 1926.
Kibbe Brothers Company, Springfield, Mass. Plain cream candies. 213,947; June 8; Serial No. 223,922; published Mar. 30, 1926.
Kippen, William F., Spokane, Wash. Antiseptic, foot powder, pine liniment, etc. 213,925; June 8; Serial No. 226,430; published Mar. 30, 1926.
Kirchhoff, Frank L., doing business as Jay-Bee Chemical Co., New York, N. Y. Preparation for the removal of corns and calli. 213,887; June 8; Serial No. 227,077; published Mar. 23, 1926.
Kominsky, Meyer, doing business as Preston Co., New York, N. Y. Face powders, face creams, rouges, perfumes, etc. 214,046; June 8; Serial No. 226,151; published Mar. 16, 1926.
Kumler, A. James, doing business as General Brokers, Detroit, Mich. Medicines. 214,024; June 8; Serial No. 224,768; published Mar. 23, 1926.
Kunisbima Brothers Co., El Centro, Calif. Fresh deciduous fruits, vegetables, and cantaloupes. 213,961; June 8; Serial No. 225,195; published Mar. 30, 1926.
Laboratoires Garnier. (See Guilpin, Bernard.)
Lager Malt Extract Company. (See Dufek, Joseph.)
Lamson Company, The, Eastwood, N. Y. Refrigerating apparatus. 213,926; June 8; Serial No. 226,432; published Mar. 30, 1926.
Langhaus, Morris, doing business as Holdstrong Chemical Co., New York, N. Y. Hair tonic. 213,840; June 8; Serial No. 220,029; published Nov. 3, 1925.
La Rosa, Ignazio, doing business as I-L & Son, Elmhurst, N. Y. Scalp and head preparation. 213,946; June 8; Serial No. 222,383; published Feb. 9, 1926.
Larson, Joseph H., doing business as Larson Insecticide Company, Detroit, Mich. Insecticides. 213,911; June 8; Serial No. 223,098; published Mar. 16, 1926.
Laughlin, Thomas, Company, The, Portland, Me. Anchors. 56,104; renewed Aug. 21, 1926.
Leach Company, Oshkosh, Wis. Logging tools and electrical pole-line construction tools. 214,035; June 8; Serial No. 206,531; published Mar. 30, 1926.
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Adhesive plasters. 55,500; renewed Aug. 14, 1926.
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Medicinal plasters. 55,501; renewed Aug. 14, 1926.
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Medicinal and adhesive plasters. 55,539; renewed Aug. 14, 1926.
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Medicinal and adhesive plasters. 55,565; renewed Aug. 14, 1926.
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Medicinal and adhesive plasters. 56,213; renewed Sept. 4, 1926.
Leiding, H. G., Co., The. (See Shelmore Oyster Products Company.)
Levinsohn & Levinsohn, New York, N. Y. Boys' suits manufactured from woolen fabrics. 213,867; June 8; Serial No. 209,924; published Mar. 30, 1926.
Liberty Laboratories. (See Weinberg, Irving.)
Liberty Produce Company, Livingston and Cressey, Calif. Fresh grapes and peaches. 214,005; June 8; Serial No. 216,347; published Mar. 30, 1926.
Lionel Trading Co. Inc., New York, N. Y. Perfumes. 213,908; June 8; Serial No. 217,225; published Mar. 9, 1926.
Lipoidal Laboratories, Inc., New York, N. Y. Preparation for the treatment of gonorrhea. 213,890; June 8; Serial No. 227,128; published Mar. 23, 1926.
Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Culinary utensils made of copperware. 52,809; renewed May 15, 1926.
Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Culinary utensils made of galvanized ware. 52,914; renewed May 22, 1926.

Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Household articles made of enameled steel ware. 53,388; renewed June 5, 1926.

Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Cooking utensils made of tinware. 53,404; renewed June 5, 1926.

Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Culinary articles made of tinware. 53,756; renewed June 12, 1926.

Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Household articles made of copper ware. 53,786; renewed June 12, 1926.

Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Household articles made of galvanized ware. 53,809; renewed June 12, 1926.

Lon Jouré Parfumeurs. (See Sommer, Isidor L.)

Loomis, George D., to The Loomis Machine Co., Tiffin, Ohio, successor. Well-drilling machines. 56,728; renewed Oct. 16, 1926.

Lowenstein, M., & Sons Inc., New York, N. Y. Cotton piece goods. 213,893; June 8; Serial No. 227,239; published Mar. 30, 1926.

Lucas, John, & Company Incorporated, Philadelphia, Pa. Varnishes, stains, and finishes. 213,941; June 8; Serial No. 189,006; published Sept. 2, 1924.

Lucky Star Mfg. Co., Cincinnati, Ohio. Perfumes. 213,057; June 8; Serial No. 225,433; published Mar. 30, 1926.

Luft, George W., Company, Inc., The, New York and Long Island City, N. Y. Day creams, night creams, and cleansing creams. 214,022; June 8; Serial No. 223,852; published Mar. 16, 1926.

M. I. S. T. Co., The, Toledo, Ohio. Medicines for purifying the blood. 50,798–9; renewed Mar. 27, 1926.

Mackrell, Susanna W., Asbury Park, N. J., assignor to Estelle W. Cammann, New York, N. Y. Remedy for the cure of St. Vitus's dance or chorea. 52,784; renewed May 15, 1926.

Maggini, Peter, doing business as Columbia Specialty Co., Newark, N. J. Medicinal bitters. 214,050; June 8.

Manheimer, Louis, & Bros., Chicago, Ill., assignor, by mesne assignments, to Louis Manheimer & Bros., New York, N. Y. Watch movements and watchcases. 54,835; renewed July 31, 1926.

Manogue-Pidgeon Iron Company, The, to Pidgeon-Thomas Iron Co., Memphis, Tenn., successor. Tin plate. 56,616; renewed Oct. 9, 1926.

Marcotoon, Nicholas N., New York, N. Y. Preparation for removing the roughness of a collar and preserving the skin from irritation. 213,901; June 8; Serial No. 222,858; published Jan. 5, 1926.

Marlin Firearms Company, The, New Haven, Conn. Shotguns, rifles, revolvers, and parts thereof. 55,158; renewed Aug. 7, 1926.

Marlin Firearms Company, The, New Haven, Conn. Shotguns, rifles, and pistols. 56,280; renewed Sept. 4, 1926.

Marveline Company, Leavenworth, Kans., to Marveline Company, Kansas City, Mo. Preparation for diseases of the mucous membrane and skin. 47,955; renewed Nov. 28, 1925.

Mason, Albert G., to White Sewing Machine Corporation, Cleveland, Ohio, successor. Sewing machines. 51,631; renewed Apr. 17, 1926.

Mason, Albert G., to White Sewing Machine Corporation, Cleveland, Ohio, successor. Sewing machines. 52,076; renewed May 1, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 51,684; renewed Apr. 24, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 51,867; renewed Apr. 24, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 51,994; renewed May 1, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 52,154; renewed May 1, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Cotton piece goods. 52,271–2; renewed May 8, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Denims. 52,578; renewed May 15, 1926.

Massachusetts Cotton Mills, Lowell and Boston, Mass. Blue denims. 52,579; renewed May 15, 1926.

Massolt Bottling Co., The, Minneapolis, Minn. Nonalcoholic, noncereal, maltless drinks and sirups for making the same. 213,985; June 8; Serial No. 225,792; published Mar. 30, 1926.

Maté, Inc., Philadelphia, Pa. Face powders, face creams, perfumes, nail polishes, etc. 213,831–2; June 8; Serial Nos. 225,723–4; published Feb. 23, 1926.

Maury-Cole Company, Memphis, Tenn. Coffee, salad dressing, mayonnaise, etc. 214,065; June 8.

McCall, John O., New York, N. Y. Dentifrices. 213,844; June 8; Serial No. 226,010; published Mar. 2, 1926.

McConnel & Co., Limited, Manchester, England. Cotton yarns. 56,072; renewed Aug. 21, 1926.

McCormack, James A., New York, N. Y. Hair tonic. 213,843; June 8; Serial No. 224,716; published Mar. 9, 1926.

McKellar, Graham C., London, Ontario, Canada. Orange beverage. 214,052; June 8.

Mellor, Norman, doing business as Arguto Oilless Bearing Company, Philadelphia, Pa. Machine bearings. 56,563; renewed Oct. 9, 1926.

Metz, H. A., & Co., Inc., New York, N. Y. Solvents for cellulose esters. 214,044; June 8; Serial No. 225,833; published Mar. 16, 1926.

Michigan Condensed Milk Co., Lansing, Mich., and New York, assignor to The Borden Company, New York, N. Y. Condensed milk. 56,249; renewed Sept. 4, 1926.

Miller Lock Company, Frankford, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locks, padlocks, and keys. 56,636; renewed Oct. 9, 1926.

Miller Lock Company, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locks, padlocks, and keys. 56,851; renewed Oct. 23, 1926.

Miller Rubber Manufacturing Co., The, assignor to The Miller Rubber Company, Akron, Ohio. Rubber gloves. 56,773; renewed Oct. 16, 1926.

Mills, Everett, Lawrence and Boston, Mass. Cotton piece goods. 52,516; renewed May 8, 1926.

Mills, Everett, Lawrence and Boston, Mass. Cotton piece goods. 52,960; renewed May 22, 1926.

Mills, J. K., & Co., Hackettstown, N. J. After-shaving lotion. 213,838; June 8; Serial No. 225,870; published Mar. 2, 1926.

Milward, Henry, & Sons, Limited, Redditch, England. Needles for hand and machine sewing. 51,557; renewed Apr. 17, 1926.

Monarch Leather Company, Chicago, Ill. Leather. 214,051; June 8.

Moore, William, Kansas City, Mo. Preparation for use in the treatment of the scalp and to promote the growth of hair. 213,979; June 8; Serial No. 227,196; published Mar. 30, 1926.

Morse, Alva, assignor to Alva Morse Inc., Washington, D. C. Pickles. 213,808; June 8; Serial No. 226,119; published Mar. 23, 1926.

Myers, Lewis E., & Company, Valparaiso, Ind. Educational desks. 214,055; June 8.

Nachmann, Dr. A., Chem. U. Pharm. Präparate G. m. b. H., Berlin, Germany. Medicines and plasters. 214,015; June 8; Serial No. 223,185; publish d Mar 9, 1926.

Nash Coffee Company, Minneapolis, Minn. Coffee. 213,923; June 8; Serial No. 226,363; published Mar. 30, 1926.

National Candy Company, St. Louis, Mo. Candy. 213,973; June 8; Serial No. 226,070; published Mar. 30, 1926.

National Pipe Bending Company, The, New Haven, Conn. Feed-water heaters. 52,871; renewed May 22, 1926.

Neostyle Company, New York, N. Y., assignor to A. B. Dick Company, Chicago, Ill. Duplicating ink. 53,787; renewed June 12, 1926.

Neostyle Company, assignor to A. B. Dick Company, Chicago, Ill. Stencil duplicating machine and parts thereof. 54,288; renewed June 26, 1926.

Neuss Hesslein & Co., assignor to Neuss, Hesslein & Co., Inc., New York, N. Y. Bleached, gray, printed, and fancy damasks. 54,560; renewed June 26, 1926.

New Columbia Shirt Co., assignor by mesne assignments, to Columbia Shirt Co., New York, N. Y. Shirts, collars, and cuffs. 51,594; renewed Apr. 17, 1926.

New Columbia Shirt Co., assignor by mesne assignments, to Columbia Shirt Co., New York, N. Y. Shirts, collars, and cuffs. 51,770; renewed Apr. 24, 1926.

New Washington Hatchery Co., The, New Washington, Ohio. Baby chicks. 213,940; June 8; Serial No. 206,255; published Mar. 30, 1926.

New York Blue Print Paper Co., New York, N. Y. Surveying instruments. 213,903; June 8; Serial No. 193,115; published July 22, 1924.

Niblot Pharmacal Co. (See Tolbin, George W.)

Nippon Dry Goods Company, San Francisco, Calif. Incense. 213,815; June 8; Serial No. 226,072; published Mar. 30, 1926.

Nitzsche, Hugo, St. Louis, Mo. Cigars. 56,793; renewed Oct. 16, 1926.

North Whittier Heights Citrus Association, Puente, Calif. Fresh oranges, lemons, and grapefruit. 213,959–60; June 8; Serial Nos. 225,133–4; published Mar. 30, 1926.

Northern Jobbing Co., Chicago, Ill. Canned fruits and vegetables. 213,942; June 8; Serial No. 221,561; published Mar. 30, 1926.

Novodent Chemical Co., San Francisco, Calif. Tooth powder. 213,855; June 8; Serial No. 225,236; published Mar. 9, 1926.

Nu-Lax Mfg. Co., New York, N. Y. Laxative gumdrops. 213,837; June 8; Serial No. 225,377; published Mar. 16, 1926.

Nyal Company, Detroit, Mich. Perfumes. 213,822; June 8; Serial No. 223,799; published Mar. 2, 1926.

Oakes & Burger, Cattaraugus, to Oakes & Burger Co., Cattaraugus, N. Y., and Erie, Pa., successor. Milk cans. 51,905; renewed Apr. 24, 1926.

Old Fort Cider Works. (See Crockett, O. F.)

Orlik, Alfred, New York, N. Y. Smoking tobacco. 214,068; June 8.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Escalators, endless carriers, ammunition hoists, etc., and parts thereof. 214,019; June 8; Serial No. 223,483; published Mar. 30, 1926.

Pabst Brewing Company, assignor to Pabst Corporation, Milwaukee, Wis. Beer. 55,858; renewed Aug. 21, 1926.

Pabst Corporation, Milwaukee, Wis. Food product similar to cheese. 213,953; June 8; Serial No. 225,287; published Mar. 23, 1926.

Pardoe, J. A., doing business as J. A. Pardoe Company, Omaha, Nebr. Ice cream. 213,871; June 8; Serial No. 212,634; published Mar. 23, 1926.

Parfumerie St. Denis, New York, N. Y. Face powders, creams, packs, toilet waters, etc. 213,948; June 8; Serial No. 222,993; published Mar. 30, 1926.

Parfumerie St. Denis, New York, N. Y. Bath salts. 214,007; June 8; Serial No. 217,480; published Mar. 9, 1926.

Peckham-Foreman Inc., New York, N. Y. Knit jackets, sweaters, coats, etc. 213,963; June 8; Serial No. 224,927; published Mar. 30, 1926.

Peckham's Croup Remedy Co., Freeport, assignor to Peckham Remedy Company, Hastings, Mich. Croup remedy. 56,649; renewed Oct. 16, 1926.

Peerless Smelting & Refining Co., assignor to L. Goldstein's Sons, Philadelphia, Pa. Babbitt metal. 53,584; renewed June 5, 1926.

Pezze, Luigi, M. D., Jersey City, N. J. Medicine in the nature of an antiseptic. 213,915; June 8; Serial No. 226,207; published Mar. 30, 1926.

Phelps Tire & Rubber Company, Garfield, N. J. Automobile tires and inner tubes. 213,835; June 8; Serial No. 225,574; published Mar. 30, 1926.

Philippe, Louis, Inc., New York, N. Y. Laxative. 213,845; June 8; Serial No. 226,018; published Mar. 9, 1926.

Pidgeon-Thomas Iron Co. (See Manogue-Pidgeon Iron Company.)

Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, bath powder, etc. 214,001; June 8; Serial No. 226,440; published Mar. 30, 1926.

Pierre, Dr., Chemical Co., Chicago, Ill. Suppositories for prevention and alleviation of diseases of the pelvic organs peculiar to women, and piles. 213,899–900; June 8; Serial Nos. 222,872–3; published Mar. 16, 1926.

Pierre, Dr., Chemical Co., Chicago, Ill. Suppositories for the prevention and alleviation of diseases of the pelvic organs peculiar to women, venereal diseases, etc. 214,014; June 8; Serial No. 222,876; published Mar. 16, 1926.

Pioneer Suspender Company, Philadelphia, Pa. Hose supporters. 55,859; renewed Aug. 21, 1926.

Plymouth Cordage Company, Plymouth, Mass. Ropes, yarns, twines, and cords. 56,622; renewed Oct. 9, 1926.

Powell's, New York, N. Y. Candies. 213,967; June 8; Serial No. 224,723; published Mar. 30, 1926.

Precision Liquid Dispenser Company, Minneapolis, Minn. Self-measuring liquid-dispensing valves, cream dispensers, etc. 213,830; June 8; Serial No. 225,676; published Mar. 30, 1926.

Preston Co. (See Kominsky, Meyer.)

Pulv-Orn Co. (See Witt, Abram R.)

Quaker Maid Products Company. (See Cookerow, Martin W.)

Quong, Chin, San Francisco, Calif. Rheumatism medicine. 213,839; June 8; Serial No. 222,799; published Jan. 19, 1926.

Rauh, E., and Sons Company, The, Dayton, Ohio. Fatty acids, such as made from linseed oil, etc. 213,905; June 8; Serial No. 206,976; published Mar. 2, 1926.

Reed Manufacturing Co., Newark, N. Y. Culinary utensils made of tinware. 53,150; renewed May 29, 1926.

Reliance Malt Products Co., Chicago, Ill. Malt extracts for food purposes. 213,811; June 8; Serial No. 225,889; published Mar. 23, 1926.

Reliance Picture Frame Co., Inc., New York, N. Y. Picture frames and mirror frames. 213,836; June 8; Serial No. 225,380; published Mar. 30, 1926.

Rex Company, The, Kansas City, Mo. Insecticide. 213,818; June 8; Serial No. 216,936; published Sept. 22, 1925.

Richards, Albert B., assignor to A. B. Richards Medicine Co., Inc., Sherman, Tex. Tonic remedy for certain named diseases. 54,983; renewed Aug. 7, 1926.

Richards, Albert B., assignor to A. B. Richards Medicine Co., Inc., Sherman, Tex. Remedy for skin diseases and eruptions. 55,620; renewed Aug. 21, 1926.

Richards, Albert B., assignor to A. B. Richards Medicine Co., Inc., Sherman, Tex. Liniment. 55,713; renewed Aug. 21, 1926.

Rinshed-Mason Co., Detroit, Mich. Varnish products. 213,814; June 8; Serial No. 225,978; published Mar. 23, 1926.

Rogers & Hubbard Co., The, Middletown, to The Rogers & Hubbard Co., Portland, Conn. Bone for casehardening, coloring, and annealing. 52,082; renewed May 1, 1926.

Roloff, Georgia G., San Francisco, Calif. Scalp and hair shampoo. 213,906; June 8; Serial No. 207,475; published Mar. 2, 1926.

Rosenbaum Company, to The Rosenbaum Company, Pittsburgh, Pa., successor. Waists, dresses, and suits. 51,537; renewed Apr. 17, 1926.

Roseth Corporation, The, Brooklyn, N. Y. Paper garment bags. 213,801–2; June 8; Serial Nos. 225,678–9; published Mar. 30, 1926.

Roxbury Carpet Company, Boston, Mass. Tapestry Brussels and tapestry velvet carpets. 51,621; renewed Apr. 17, 1926.

Royal Mix Company. (See Fonyo, Aladar.)

Ruby, Joseph F., Naugatuck, Conn. Candy. 213,807; June 8; Serial No. 226,166; published Mar. 30, 1926.

Rudolph & Bauer, Louisville, Ky. Sugared pop corn. 214,034; June 8; Serial No. 205,954; published June 2, 1925.

Saco Valley Canning Co., Portland, Me. Canned corn and canned succotash. 54,147; renewed June 19, 1926.

Salter, John L., to John L. Salter & Sons, New York, N. Y., successor. Bleached, brown, and colored cotton sheetings and drillings. 46,903; renewed Oct. 17, 1925.

Salter, John L., to John L. Salter & Sons, New York, N. Y., successor. Bleached, brown, and colored cotton sheetings and drillings. 47,028; renewed Oct. 17, 1925.

Salter, John L., to John L. Salter & Sons, New York, N. Y., successor. Bleached, brown, and colored cotton sheetings and drillings. 47,337; renewed Oct. 31, 1925.

Samstag & Hilder Bros., Inc., New York, N. Y. Sanitary aprons. 213,982; June 8; Serial No. 227,423; published Mar. 30, 1926.

Sanitary Scale Company, Chicago, Ill. Weighing scales. 213,819; June 8; Serial No. 225,980; published Mar. 30, 1926.

Savage, Marion W., to International Stock Food Company, Minneapolis, Minn., successor. Antiseptics and germicides. 51,503; renewed Apr. 17, 1926.

Savage, Marion W., to International Stock Food Company, Minneapolis, Minn., successor. Stock food. 51,704; renewed Apr. 24, 1926.

Schachter, Martin, doing business as The Crown Water Company, Bridgeport, Conn. Disinfectant and stain-removing compound. 214,013; June 8; Serial No. 222,523; published Mar. 23, 1926.

Shelmore Oyster Products Company, doing business as The H. G. Leiding Co. as sole agents, Charleston, S. C. Canned oysters and vegetables. 213,954–5; June 8; Serial Nos. 225,244–5; published Mar. 30, 1926.

Shinoin Company. (See American Chemical Manufacturing & Mining Company, assignor.)

Silberstein, Albert L., doing business as Griffon Cutlery Works, New York, N. Y. Razors and pocketknives. 55,299; renewed Aug. 14, 1926.

Singer Paper Products Co. Not Inc., Chicago, Ill. Toy houses, garages, gasoline service stations, drug stores, etc. 213,803; June 8; Serial No. 225,682; published Mar. 30, 1926.

Smallwood Stone Company, The, Steubenville, Ohio. Grinding stones. 214,060; June 8.

Smith Agricultural Chemical Company, The, Columbus, Ohio. Battery acids and sulphuric acids. 213,828; June 8; Serial No. 225,851; published Mar. 9, 1926.

Smithline, Sydney, doing business as The Three 3 Indians Herb-Gardens, New York, N. Y. Herb remedies in tablet and liquid form for the relief of gas indigestion, liver complaints, eczema, etc. 213,854; June 8; Serial No. 225,204; published Mar. 16, 1926.

Societe Anonyme des Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux, Paris, France. Essential oils for the production of perfumes and flavoring materials and for industrial and technical use. 213,978; June 8; Serial No. 227,142; published Mar. 30, 1926.

Societe Anonyme d'Onge, Courbevoie, France. Perfumes and toilet waters. 213,930; June 8; Serial No. 226,566; published Mar. 23, 1926.

Societe Anonyme Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 214,025; June 8; Serial No. 225,146; published Mar. 30, 1926.

Societe la France Toilet Goods Co., Inc., New York, N. Y. Perfumes, toilet waters, talcum, rouges, etc. 213,991; June 8; Serial No. 226,447; published Mar. 30, 1926.

Société Maunoury & Cie., Paris, France. Game of Chinese domino. 213,931; June 8; Serial No. 226,567; published Mar. 30, 1926.

Soltz, Joseph, Atlantic City, N. J. Unmixed colors, bronze powders and liquids, filler, and prepared shellac. 213,875; June 8; Serial No. 220,151; published Mar. 23, 1926.

Sommer, Isidor L., doing business as Lon Jouré Parfumeurs, Brooklyn, N. Y. Face powders, creams, packs, toilet waters, etc. 213,975; June 8; Serial No. 226,744; published Mar. 30, 1926.

Sonneborn, Henry, Company, Inc., Baltimore, Md. Suits and overcoats. 214,069–70; June 8.

Southern Idaho Bean Growers Association, Twin Falls, Idaho. Fresh beans. 213,988; June 8; Serial No. 225,621; published Mar. 30, 1926.

Spalding, A. G., & Bros., New York, N. Y. Aviation apparel. 213,891; June 8; Serial No. 222,485; published Mar. 30, 1926.

Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros., Jersey City, N. J. Athletic goods. 56,737–8; renewed Oct. 16, 1926.

Spectro-Chrome Institute (Incorporated), Malaga, N. J. Apparatus for registering the color-wave value or radioactive and radiomanative value of the human body and the like. 213,895; June 8; Serial No. 221,982; published Mar. 30, 1926.

Spreckles, J. D. and A. B., Securities Company, doing business as Western Sugar Refinery, San Francisco, Calif. Cane sugar. 213,937; June 8; Serial No. 216,295; published Mar. 23, 1926.

Standard Oil Co. of New York, New York, N. Y. Illuminating oils. 50,889; renewed Apr. 3, 1926.
Standard Oil Co. of New York, New York, N. Y. Illuminating oils. 51,049; renewed Apr. 3, 1926.
Standard Oil Co. of New York, New York, N. Y. Illuminating oils. 52,617; renewed May 15, 1926.
Standard Oil Co. of New York, New York, N. Y. Turpentine. 53,015; renewed May 22, 1926.
Standard Oil Co. of New York, New York, N. Y. Illuminating oils manufactured from petroleum. 53,445; renewed June 5, 1926.
Standard Oil Co. of New York, New York, N. Y. Illuminating oils. 54,025; renewed June 19, 1926.
Standard Oil Co. of New York, New York, N. Y. Turpentine. 54,533; renewed June 26, 1926.
Standard Playing Card Co. (See Home Game Company.)
Standard Varnish Works, New York, N. Y. Primers, surfacers or paint undercoatings, paint enamels, etc. 213,945; June 8; Serial No. 221,858; published Mar. 23, 1926.
Standard Varnish Works, New York, N. Y. Varnishes, paint enamels, lacquers, etc. 213,987; June 8; Serial No. 225,580; published Mar. 23, 1926.
Stephenson, Andrew C., doing business as Calo Remedy Company, Franklin, Ind. Medicine for the removal of corns, bunions, and calli. 214,026; June 8; Serial No. 225,246; published Mar. 30, 1926.
Sterilwash Machine Company, Hamilton, Ohio. Machines for cleaning dishes, glasses, silver, and the like. 213,898; June 8; Serial No. 222,884; published Mar. 30, 1926.
Stewart, Dan W., Jacksonville, Fla. Soluble hot-bath preparations for treating rheumatism, itches, etc. 214,043; June 8; Serial No. 225,815; published Mar. 30, 1926.
Stock, Frederick A., doing business as Stock's Nu-Tone Company (Not Incorporated), Quincy, Ill. General tonic, medicinal oil, healing salves, etc. 214,039; June 8; Serial No. 213,747; published Sept. 8, 1925.
Storfer Laboratories, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, face creams, etc. 213,864; June 8; Serial No. 225,894; published Mar. 2, 1926.
Street, George W., doing business as Gar Specialty Co., Detroit, Mich. Preparation for the treatment of gas on the stomach and dyspepsia relief. 213,981; June 8; Serial No. 227,251; published Mar. 30, 1926.
Sun Chemical Co., Oakland, Calif. Medicines and chemical treatment material for pyorrhea. 213,873; June 8; Serial No. 215,600; published Mar. 2, 1926.
Superior Hard Rubber Company, Inc., Butler, N. J. Cigarette and cigar holders. 214,038; June 8; Serial No. 212,579; published Mar. 30, 1926.
Sutter Co-Opernative Growers, San Francisco, Calif. Canned fruits and vegetables. 213,933; June 8; Serial No. 220,688; published Mar. 30, 1926.
Tavanagh Weaving Company Limited. (See Anderson, Francis, assignor.)
Taylor-McCreary, Gertrude E., Detroit, Mich. Veterinary remedies. 214,053; June 8.
Tennant & Hoyt, to Tennant & Hoyt Company, Lake City, Minn., successor. Wheat flour. 55,626; renewed Aug. 21, 1926.
Tex-A-Tone Chemical Company, Texarkana, Tex. Medicines for the treatment of constipation, indigestion, etc. 213,962; June 8; Serial No. 224,996; published Feb. 23, 1926.
Thomas, Arthur H., Company, Philadelphia, Pa. Chemical compounds for absorbing moisture in steel and organic-combustion analysis. 213,829; June 8; Serial No. 225,852; published Mar. 2, 1926.
Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass. Cements. 214,033; June 8; Serial No. 205,247; published Mar. 16, 1926.
Thornton, Edward G., Milford, Va. Fertilizers. 213,966; June 8; Serial No. 224,844; published Mar. 30, 1926.
Three 3 Indians Herb-Gardens, The. (See Smithline, Sydney.)
Thüringische Nadel & Stahlwaaren Fabrik Wolff, Knippenberg & Co., Actien Gesellschaft, to Thuringische Nadel & Stahlwaaren Fabrik Wolff, Knippenberg & Co., Gesellschaft mit beschränkter Haftung, Ichtershausen, Germany, successor. Needles of all kinds. 52,346; renewed May 8, 1926.
Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Zirconium and titanium compounds. 214,020; June 8; Serial No. 223,610; published Mar. 9, 1926.
Toch Brothers, assignor to Toch Brothers, Incorporated, New York, N. Y. Fresco paints. 51,420; renewed June 26, 1926.
Toch Brothers, assignor to Toch Brothers, Incorporated, New York, N. Y. Damp-resisting paints. 54,799; renewed July 31, 1926.
Tolbin, George W., doing business as Niblot Pharmacal Co., New York, N. Y. Effervescent tablets and a liquid preparation for relief of headaches, mental fatigue, etc. 213,876; June 8; Serial No. 221,934; published Mar. 9, 1926.
Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. 51,360; renewed Apr. 10, 1926.
Tru Lax Manufacturing Co. (See Blackstone Manufacturing Company.)
Truvy, Inc., New York, N. Y. Face powders, cream, and packs, perfumes, hair tonics, etc. 213,824; June 8; Serial No. 225,986; published Mar. 23, 1926.
Twin Peaks Canning Co., Salt Lake City, Utah. Canned tomatoes, beans, and peas. 214,032; June 8; Serial No. 203,493; published Feb. 3, 1925.
Ulich, H. P., & Co., New York, N. Y. Necktie boxes and display cards. 213,976; June 8; Serial No. 226,926; published Mar. 30, 1926.
Union Card and Paper Company, New York, N. Y. Writing, bond and ledger paper. 56,779–80; renewed Oct. 16, 1926.
United Shoe Machinery Company, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Leather welted boots and shoes. 54,185; renewed June 19, 1926.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 213,932; June 8; Serial No. 226,577; published Mar. 30; 1926.
Unity Beverage Company, Chicago, Ill. Malt sirup for beverage purposes. 213,920; June 8; Serial No. 226,266; published Mar. 30, 1926.
Usines Allumettières des Flandres Société Anonyme, Brussels, Belgium. Matches. 214,023; June 8; Serial No. 224,215; published Mar. 30, 1926.
Valentine & Company, New York, N. Y. Paints, varnishes, enamels, blacks, etc. 56,427; renewed Sept. 25, 1926.
Van Camp Hardware & Iron Company, doing business as The Van Camp Company, Indianapolis, Ind. Lacquers. 213,927; June 8; Serial No. 226,455; published Mar. 30, 1926.
Van Duzor, S. R., New York, N. Y. Lotion. 56,060; renewed Aug. 21, 1926.
Van Horne & Sawtell, New York, N. Y., assignor to Johnson & Johnson, New Brunswick, N. J. An antiseptic nonfatty and soluble lubricating jelly. 54,124; renewed June 19, 1926.
Van Pelt & Brown, Richmond, Va. Medicine for use in the treatment of constipation. 214,045; June 8; Serial No. 225,898; published Mar. 16, 1926.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Femenina, a medical preparation for female ailments. 213,848; June 8; Serial No. 225,330; published Mar. 16, 1926.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Cordial for use for cholera morbus, diarrhea, colic, and looseness of the bowels. 213,850; June 8; Serial No. 225,332; published Mar. 16, 1926.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Vermifuge. 213,858; June 8; Serial No. 225,328; published Mar. 16, 1926.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Pile salve. 213,879; June 8; Serial No. 225,331; published Mar. 9, 1926.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Arnica liniment. 213,894; June 8; Serial No. 225,329; published Mar. 16, 1926.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 213,823; June 8; Serial No. 225,987; published Mar. 30, 1926.
Victor X-Ray Corporation, Chicago, Ill. Dark-room, and fluoroscopic chemicals, radioactive clay, etc. 213,950; June 8; Serial No. 222,648; published Mar. 30, 1926.
Victor X-ray Corporation, Chicago, Ill. X-ray tubes, X-ray equipment, and X-ray oil-immersed apparatus. 213,977; June 8; Serial No. 226,929; published Mar. 30, 1926.
Videtta, John, Weehawken, N. J. Kitchen cabinets, household tables, etc. 213,857; June 8; Serial No. 225,333; published Mar. 23, 1926.
Virginia Smelting Company, Portland, Me. Liquid sulphur dioxide. 213,992; June 8; Serial No. 226,316; published Mar. 30, 1926.
Vitalac Corporation, The, Detroit, Mich. Coagulators for the manufacture of cheese and buttermilk, and cheese. 213,821; June 8; Serial No. 224,221; published Mar. 23, 1926.
Vivaudou, Victor, New York, N. Y. Face powders, face creams, face packs, etc. 213,852; June 8; Serial No. 224,887; published Mar. 2, 1926.
Voloshen Chemical Corporation, Brooklyn, N. Y. Indigestion compound. 213,970; June 8; Serial No. 224,368; published Mar. 30, 1926.
Wade, Benjamin O., doing business as The Wade Wrench Company, White Pigeon, Mich. Wrenches. 213,997; June 8; Serial No. 215,191; published Sept. 15, 1925.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes and toilet waters. 214,062; June 8.
Warner, William R., & Co., Philadelphia, Pa., assignor to William R. Warner & Co., Inc., New York, N. Y. Medicines in pill form. 52,747; renewed May 15, 1926.
Waterloo Milling Company, to George W. Ziebold, doing business as Waterloo Milling Company, Waterloo, Ill., successor. Wheat flour. 52,164; renewed May 1, 1926.
Weinberg, Irving, doing business as Liberty Laboratories, Bridgeport, Conn. Hair tonic. 213,861; June 8; Serial No. 225,900; published Mar. 2, 1926.
Wendy Parfumerie. (See Fallis Inc.)
Westerly Textile Company, The, Westerly, R. I. Textile piece goods of cotton and also of a mixture of cotton and artificial silk. 213,999; June 8; Serial No. 201,634; published Mar. 30, 1926.

Western Sausage & Prov. Co., Inc., New York, N. Y. Salami and sausage. 213,914; June 8; Serial No. 224,438; published Mar. 30, 1926.
Western Sugar Refinery. (See Spreckles, J. D. and A. B., Securities Company.)
Whiston, William E., Buffalo, N. Y. Preparation for removing carbon from cylinders and valves of internal-combustion engines. 213,996; June 8; Serial No. 218,677; published Mar. 30, 1926.
White, H. C., Company, North Bennington, Vt. Baby walkers. 213,928; June 8; Serial No. 226,522; published Mar. 30, 1926.
White, H. C., Company, North Bennington, Vt. Pull toy. 213,929; June 8; Serial No. 226,523; published Mar. 30, 1926.
White Sewing Machine Corporation. (See Mason, Albert G., assignor.)
Whitman & Barnes Manufacturing Co., The, Akron, Ohio. Lawn mowers. 54,258; renewed June 26, 1926.
Whittier Mills, assignor to Whittier Mills Company, Chattahoochee, Ga. Yarn. 56,330; renewed Sept. 11, 1926.
Williams, Martin & Gray, Inc., Norfolk, Va. Ready-mixed paints. 51,512; renewed Apr. 17, 1926.
Wilson Coffee Company, Fort Smith, Ark. Coffee. 213,921; June 8; Serial No. 226,320; published Mar. 30, 1926.
Wilson-Hughes Drug Co., Inc., Memphis, Tenn. Medicinal preparation for the treatment of diseases of the kidneys. 213,902; June 8; Serial No. 192,655; published Mar. 2, 1926.
Wilson-Spear Co., Los Angeles, Calif. Boiler composition to prevent deleterious action of waters when used in steam boilers. 214,048; June 8; Serial No. 226,269; published Mar. 16, 1926.
Witt, Abram R., doing business as Pulv-Ora Co., New York, N. Y. Antiseptic and analgesic dry dressing. 213,980; June 8; Serial No. 227,211; published Mar. 30, 1926.
Wolfe, Charles W., New York, N. Y. Men's coats and suits. 213,984; June 8; Serial No. 227,618; published Mar. 30, 1926.
Wolo A.-G. (Wolo Ltd.), Zurich, Switzerland. Pharmaceutical preparation. 213,866; June 8; Serial No. 210,942; published Mar. 23, 1926.
Wolo A.-G. (Wolo Ltd.), Zurich, Switzerland. Products for the preparation of white-pine-needle baths. 213,869; June 8; Serial No. 210,945; published Mar. 23, 1926.
Wood, William H., Cairo, Ill. Remedies. 56,545; renewed Oct. 2, 1926.
Yale & Towne Manufacturing Company, The. (See Miller Lock Company, assignor.)
Youmans, assignor to Vincent M. Youmans, jr., New York, N. Y. Men's, women's, and children's hats. 54,694–5; renewed June 26, 1926.
Yvette Co., New York, N. Y. Facial creams, cosmetic lotions, ointments, and polishes. 213,994; June 8; Serial No. 223,452; published Mar. 30, 1926.
Zajac, John, Peabody, Mass. Hair tonic. 213,862; June 8; Serial No. 225,946; published Mar. 9, 1926.
Ziebold, George W. (See Waterloo Milling Company.)
Zimmerman, John H., doing business as The Zimmerman Co. and Zimmerman Furniture Co., Sioux City, Iowa. Library, gate-leg, etc., tables, chairs, bed springs, kitchen cabinets, etc. 213,841; June 8; Serial No. 220,006; published Mar. 30, 1926.
Zucca's Restaurant, Inc., New York, N. Y. Noodles. 213,943; June 8; Serial No. 221,580; published Mar. 23, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bayuk Cigars Incorporated, Philadelphia, Pa. Bayuk Philadelphia Made Cigars. For Cigars. 30,443; June 8.
Bayuk Cigars Incorporated, Philadelphia, Pa. Bayuk Philadelphia Machine Made Cigars. For Cigars. 30,444; June 8.
Beardsley Specialty Co. Inc., Rockford, Ill. Home Brew Malt Extract. For Malt Extract. 30,445; June 8.
Blue Blood Shippers. (See Zeuzius, Matthew J.)
Camp, Calvin A., Los Angeles, Calif. Rainbow. For Candy Cake Bars. 30,446; June 8.
Cleanall Co., Chicago, Ill. Cleanall. For a Cleansing Compound. 30,447; June 8.
Cultured Coffee Corporation, The, St. Louis, Mo. Arex. For Coffee. 30,448; June 8.
Dillon Cigar Co., Miami, Fla. Green Ribbon. For Cigars. 30,449; June 8.
Dodge, Mrs. Ruth, doing business as Dodge Orchard, Princeton, Calif. Dodge's. For Prunes. 30,450; June 8.
Einstein-Wolff Company, New York, N. Y. Sunray. For Hankerkerchiefs. 30,451; June 8.
Flannery Baking Co., The. (See Menasha Printing and Carton Company, assignor.)
Fort Howard Paper Company, Green Bay, Wis. Japanese Tissue. For Toilet Paper. 30,452; June 8.
Hagaman, A., & Company, Albany, N. Y. Hagaman's Bonnie Bread. For Bread. 30,453; June 8.
Ideal Food Products Co. (See Menasha Printing and Carton Company, assignor.)
Kalich, Mitchel L., doing business as M. L. Kalich & Company. Lion. For Apples. 30,454; June 8.
Krygler Drug Stores, Inc., Milwaukee, Wis. Glimney Gee Good Chocolates. For Candy. 30,455; June 8.
L. and W Land Company, Watsonville, Calif. Butterfly. For Fresh Lettuce. 30,456; June 8.
Larsen Company, The, doing business as The Wm. Larsen Canning Co., Green Bay, Wis. Miss Muffet. For Canned Peas. 30,457; June 8.
Lux, John W., doing business as John W. Lux Company, St. Paul, Minn. 100% Union Made Malt and Hops. For Compound of Malt and Hops. 30,458; June 8.
Lyons-Laeri Co., The, Youngstown, Ohio. Ungwentole. For an Ointment. 30,459; June 8.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Flannery Baking Co., Jamestown, N. Dak. Long-Boy. For Bread. 30,460; June 8.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Ideal Food Products Co., Peoria, Ill. Society Brand Oleomargarine. For Oleomargarine. 30,461; June 8.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Ideal Food Products Co., Peoria, Ill. Flavoright Oleomargarine. For Oleomargarine. 30,462; June 8.
Mueller & Son Co., The, Milwaukee, Wis. Mi Carmen. For Cigars. 30,463; June 8.
National Chemical Products Co., Union City, N. J. Rumidor-Humidor. For a Smoker's Article for Flavoring and Moistening Cigars, Cigarettes, and Pipe Tobacco. 30,464; June 8.
Reid Ice Cream Corp., Brooklyn, N. Y. Reid's Union Dairy Grade A Fresh Selected Eggs. For Eggs. 30,465; June 8.
Sefton Manufacturing Corporation, Chicago, Ill. Baby Chick Box. For Boxes for Shipping Poultry. 30,466; June 8.
Van Camp Sea Food Co., East San Pedro, Calif. Tin-Apa. For Canned Smoked Sardines. 30,467; June 8.
Viola, Salvatore, New York, N. Y. Pillole Virog. For a Tonic or Remedy for Anæmia and Debility. 30,468; June 8.
Watkins, J. R., Company, The, Winona, Minn. Watkins Pie Filler, Copyright, 1925, The J. R. Watkins Co. For Lemon-Pie Filler. 30,469; June 8.
Wiemann, Geo. F., Co., New York, N. Y. Holland House. For Coffee. 30,470; June 8.
Zeuzius, Matthew J., doing business as Blue Blood Shippers, Los Angeles, Calif. Blue Blood. For Oranges. 30,471; June 8.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. The Largest Selling Quality Pencil in the World. No. 118. For Lead Pencils. 8,868; June 8.
American Lead Pencil Company, New York, N. Y. The Largest Selling Quality Pencil in the World, No. 119. For Lead Pencils. 8,869; June 8.
American Lead Pencil Company, New York, N. Y. 2nd Reason for using the Blue Band Velvet Pencil—No. 124. For Pencils. 8,870; June 8.
Begley Food Products Co., Chicago, Ill. Begley's Famous Chile. For Chile. 8,871; June 8.
Cream of Wheat Co., Minneapolis, Minn. Prepare Your Child. For Wheat Breakfast Food. 8,872; June 8.
Hills Bros., San Francisco, Calif. Bring Your Brisket Appetite to Breakfast in the West. For Coffee. 8,873; June 8.
Hills Bros., San Francisco, Calif. Just Inhale that Sense-Thrilling Boquet! For Coffee. 8,874; June 8.
Hills Bros., San Francisco, Calif. Where Hills Bros. Coffee Starts the Day—There the West Begins. For Coffee. 8,875; June 8.
Hills Bros., San Francisco, Calif. Drink Deeply of its Seal-Brown Depths . . . That cup of Hills Bros Coffee. For Coffee. 8,876; June 8.
Hills Bros., San Francisco, Calif. As Bracing as the Wind-swept Sea. For Coffee. 8,877; June 8.

Hills Bros., San Francisco, Calif. There's Heart-Deep Western Welcome in Every Savory Sip. For Coffee. 8,878; June 8.

Hills Bros., San Francisco, Calif. Pine-Fringed Lakes and Timbered Slopes and Hills Bros. Red Can Coffee. For Coffee. 8,879; June 8.

Hills Bros., San Francisco, Calif. They say Our Hospitality is "Wide as Western Plains". For Coffee. 8,880; June 8.

Hills Bros., San Francisco, Calif. A Mark of Hospitality—That Steaming Cup of Hills Bros. For Coffee. 8,881; June 8.

Hills Bros., San Francisco, Calif. When Spirits Droop and Bodies Lag . . . For Coffee. 8,882; June 8.

Hills Bros., San Francisco, Calif. Millions Have Answered The Call O' The Cup. For Coffee. 8,883; June 8.

Hills Bros., San Francisco, Calif. Lift A Cup . . . And Drink It Down. For Coffee. 8,884; June 8.

Hills Bros., San Francisco, Calif. Every Well-Remembered Cup Brims With Hearty Cheer. For Coffee. 8,885; June 8.

Hills Bros., San Francisco, Calif. That Tonic Touch of Mountain Air in Every Steaming Cup. For Coffee. 8,886; June 8.

Signal Shirt Company, Racine, Wis. Make Your Overalls Last Longer. For Overalls and Overall Repair Parts. 8,887; June 8.

Stough, Mrs. Eva C., San Francisco, Calif. Vent-O-Lok. For a Device Whereby a Window may be Open at Both Top and Bottom and at the Same Time Securely Fastened. 8,888; June 8.

Taylor, Thomas D., Philadelphia, Pa. Today Only. For Enamel Finish, Oil, Paint, Varnish, and Brushes. 8,889; June 8.

Walker & Pratt Mfg. Co., Boston, Mass. Set it and Forget It. For Automatic Control Mechanisms for Electric Ranges and Heating and Cooking Apparatus. 8,890; June 8.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abseck, Louis, doing business as The Sealastic Co., Brooklyn, N. Y. Bristle massage brushes. 228,960; June 8.

Aktiengesellschaft Chocolat Tobler, Bern, Switzerland. Chocolate. 230,204–5; June 8.

Alabama-Georgia Syrup Company, Montgomery, Ala. Cane sirup for food purposes. 230,648; June 8.

American Cast Iron Pipe Company, Birmingham, Ala. Castiron pipe. 228,350; June 8.

American Display Company, The, Dayton, Ohio. Lawn sprinklers. 226,274; June 8.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 229,609; June 8.

American Lady Corset Co., Detroit, Mich. Girdles, combinettes, bandeaux, etc. 227,287; June 8.

American Mills Company, Atlanta, Ga. Laundry nets. 229,487; June 8.

American Mills Company, Atlanta, Ga. Laundry nets. 229,999–230,000; June 8.

American Mills Company, Atlanta, Ga. Laundry nets. 230,209; June 8.

American Tobacco Co., The, New York, N. Y. Smoking and chewing tobacco and cigarettes. 228,290; June 8.

Appleton Company, Lowell, Mass. Cotton piece goods. 226,533; June 8.

Atlantic Refining Company, The, Philadelphia, Pa. Liquid fuel for high-compression motors. 230,437; June 8.

Bakal, S., & Son, Inc., New York, N. Y. Drug sundries. 226,036; June 8.

Bankers Bond & Mortgage Company, Philadelphia, Pa. Negotiable real-estate first-mortgage bonds. 228,794; June 8.

Barker, Morton D., Springfield, Ill. Drill bit. 221,873; June 8.

Baron, Joseph, Watervliet, Mich. Chocolate. 230,217; June 8.

Bartlett & Bickley. (See Jonas, Charles D.)

Basinger, Mattie T., Kansas City, Mo. Paper dolls. 229,893; June 8.

Beech-Nut Packing Company, Canajoharie, N. Y. Cured ham, bacon, beef, canned pork and beans, etc. 228,966–7; June 8.

Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods of cotton, etc. 230,782; June 8.

Big Store Company, The, Cincinnati, Ohio. Sporting goods. 193,754; June 8.

Binney & Smith Company, New York, N. Y. Inks. 230,440; June 8.

Blue Ridge Grocery Company, Asheville, N. C. Coffee. 230,983; June 8.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 230,517; June 8.

Bourjois, Inc., New York, N. Y. Toilet preparations. 230,658; June 8.

Brearley Company, The, Rockford, Ill. Caps. 229,846; June 8.

Bromley-Shepard Company, Inc., Lowell, Mass. Girdles, corsets, textile underwear, etc. 225,867; June 8.

Capon Springs Company, Capon Springs, W. Va. Mineral water. 228,801; June 8.

Caron Corporation, New York, N. Y. Perfumery extracts, toilet waters, lotions, face powders, and sachet powders. 230,870; June 8.

Carter, Otis A., doing business as Carter's Chickery, Eldorado, Ill. Live poultry, baby chicks, and eggs. 227,820; June 8.

Case, James L., doing business as Richards & Case, East Boston, Mass. Lotion for chapped hands, face, lips, etc. 225,597; June 8.

Casein Manufacturing Company, The, New York, N. Y. Preparation used as an adhesive in the manufacture of paper. 228,458; June 8.

Cass, N. D., Co., The, Athol, Mass. Toy trunks, wardrobes, vehicles, bowling alleys, etc. 230,084; June 8.

Chamberlain Company, Inc., Los Angeles, Calif. Sea coal, graphite, core binder, parting, and foundry facing. 226,127; June 8.

Charlotte Pepsi-Cola Bottling Co., The, Charlotte, N. C. Fruit flavors for soft drinks. 230,013; June 8.

Chemical Research Syndicate, Ltd., Detroit, Mich. Motor spirits. 228,891; June 8.

Chemische Fabrik Griesheim-Elektron, now by change of name I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Inorganic chemical products for dyeing and tanning purposes, compounds, etc. 221,806; June 8.

Claremont Dress Co., Inc., New York, N. Y. Silk and cotton piece goods. 225,997; June 8.

Clark, L. Yancey, doing business as Georgia Pine Turpentine Company, New York, N. Y. Granulated chemical cleaning compound. 219,058; June 8.

Clark, L. Yancey, doing business as Georgia Pine Turpentine Company, New York, N. Y. Flotation oils, pine oils, and pine-tar oil. 227,059; June 8.

Clemens, E., Horst Co., San Francisco, Calif. Hops. 230,159; June 8.

Collins, A. M., Manufacturing Company, Philadelphia, Pa. Blank paper, translucent paper, coated book paper, box paper, etc. 229,502; June 8.

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Bicycle saddles, foot pedals, vehicle springs, brakes, etc. 229,542–3; June 8.

Compo-Board Co., The, Minneapolis, Minn. Artificial lumber in strips, sheets, and boards. 227,881; June 8.

Consolidated Flour Mills of Canada. (See Katzin, Alexander B.)

Cooper, Floyd G., Woodward, Iowa. Ornamental boxes made of pasteboard. 193,505; June 8.

Corbin, B. A., & Son Company, Marlboro, Mass. Shoes. 230,725; June 8.

Crawford, Earl M., Olive, Calif. Fresh grapes. 212,892; June 8.

Cuesta, Rey & Company, Tampa, Fla. Cigars. 230,089; June 8.

Dallwig, Paul G., Chicago, Ill. Blanks for keeping insurance, policy, and commission records. 228,978; June 8.

Davis Manufacturing Company, Knoxville, Tenn. Food-flavoring extracts. 229,667; June 8.

Day, Britton T. and S. P., Company, The, doing business as The Day-Klugsley Dryer Company, Cleveland, Ohio. Paints for metals. 202,239; June 8.

Day, James B., & Co., Chicago, Ill. Shellac varnish. 228,979; June 8.

Dietler, P. C., doing business as P. C. Dietler & Company, Butte, Mont. Putty ejectors. 227,116; June 8.

Divvens, Nathan, Uniontown, Pa. Cigars, cheroots, stogies, tobies, etc. 229,852; June 8.

Dixie Hosiery Mills, Inc., Fort Worth, Tex. Infants' hosiery. 230,820; June 8.

Dixon-Bartlett Company, Baltimore, Md. Leather shoes. 230,286; June 8.

Dodge & Seymour, Ltd., New York, N. Y. Hosiery. 230,912; June 8.

Douglas County Hatchery Company, Alexandria, Minn. Baby chicks. 230,092; June 8.

Draper Engine Works Co., Seattle, Wash. Logging blocks. 212,677; June 8.

Duane Remedies Corporation, New York, N. Y. Medicinal plasters. 214,065; June 8.

Duane Shoe Company, New York, N. Y.; Boston, Mass.; Philadelphia, Pa.; and Chicago, Ill. Women's shoes. 201,698; June 8.

Du-Kana, Inc., Syracuse, N. Y. Bath salts. 230,662; June 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dupont, E. I. de Nemours and Company, Wilmington, Del. Shade cloth. 230,786; June 8.

E. R. V. Corporation, The, Detroit, Mich. Electrical therapeutic apparatus. 227,571; June 8.

Eagle Knitting Mills, Milwaukee, Wis. Knit goods. 218,055; June 8.

Edwards, Ralph R., San Diego, Calif. Razor strops. 229,274; June 8.

Elizabeth Mac Food Products Corp., Brooklyn, N. Y. Fruit jellies and jams. 230,731; June 8.

El Paso Sash & Door Company, El Paso, Tex. Doors, door frames, window frames, window sashes, etc. 229,669; June 8.

Emery Manufacturing Company, Bradford, Pa. Gasoline, kerosene, and lubricating oils. 228,097; June 8.

Enterprise Manufacturing Company, The, Akron, Ohio. Phantom minnows. 230,164; June 8.

Etruria Company, The, Chicago, Ill. General tonic. 226,950; June 8.

Ewell, Robert D., doing business as Ewell & Company, New York, N. Y. Wire cloth, chains, and tacks. 225,180; June 8.

Fallis Inc., Cincinnati, Ohio. Toilet preparations. 214,469; June 8.

Flash Fire Extinguisher Co., The, Dayton, Ohio. Fire extinguishers. 227,644; June 8.

Floyd-Paramount, Inc., The, Newark, N. J. Candy. 230,735; June 8.

Forbush Shoe Company, The, North Grafton, Mass. Shoes. 229,785; June 8.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 230,167; June 8.

Fragner Hat Corporation, New York, N. Y. Men's and boys' caps. 230,334; June 8.

Friedman, H., Hat Co. Inc., New York, N. Y. Men's hats. 229,103; June 8.

Fruited Wheat Co-op. Co. (See Webster, Alexander J.)

Georgia Pine Turpentine Company. (See Clark, L. Yancey.)

Gill, Homer C., Columbus, Ohio. Coal. 229,558–9; June 8.

Giuffre & Restivo, Chicago, Ill. Olive oil. 221,112; June 8.

Gland Products Company, Fayetteville, Ark. Preparations for the treatment of anæmia, senility, indigestion, etc. 220,716; June 8.

Glass, Henry, & Co., New York, N. Y. Cotton piece goods, silk and cotton piece goods, etc. 228,370; June 8.

Graybar Electric Company, Incorporated, New York, N. Y. Electric washing machines. 230,025–7; June 8.

Greenwood Hosiery Mills, Inc., Greenwood, S. C. Hosiery. 230,882; June 8.

Greif, John M., doing business as Western Laboratories, San Francisco, Calif. Bath salts. 230,666; June 8.

Gutfreund, Gus, doing business as Lamona Extract & Mfg. Co., Des Moines, Iowa. Orange and lemon juice. 230,238; June 8.

Guth, Henry L., doing business as Henry L. Guth Associates, Allentown, Pa. Furniture tables. 210,659; June 8.

Haas-Lieber Grocery Company, St. Louis, Mo. Canned tomato purée, pork and beans, kraut, etc. 224,968; June 8.

Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 225,358; June 8.

Halle Bros. Co., The, Cleveland, Ohio. Shoes. 229,033; June 8.

Halpern, Irving, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y. Dyes. 230,918; June 8.

Hammond, G. H., Company, Chicago, Ill. Dried beef and eggs. 227,837; June 8.

Hankey Milling Co. (Inc.), The, Petoskey, Mich. Pancake flour. 225,305; June 8.

Harding Hotel Company, Chicago, Ill. Chocolate-coated macaroon confection. 226,000; June 8.

Hardwick & Magee Company, Philadelphia, Pa. Textile rugs. 230,737; June 8.

Hathaway, Anne, Shoppe. (See Stiteler, Isaac N.)

Head, Erasmon, Indianapolis, Ind. Hair grower, temple grower, shampoo, etc. 230,240; June 8.

Heath, Charles W., Austin, Tex. Wax coating composition in liquid form for stitching thread. 230,481; June 8.

Hecht, George J., New York, N. Y. Printed periodical. 228,815; June 8.

Herrschner, Frederick, Inc., Chicago, Ill. Cotton, linen, and silk cloth stamped for embroidery. 226,589; June 8.

Hirsch Bros. & Co., Louisville, Ky. Salad dressing. 210,845; June 8.

Hoyden, K., Co., Monterey, Calif. Canned fish and fruit. 227,073; June 8.

Hunt Bros. Milling Co., Pleasant Hill, Mo. Wheat flour. 230,396; June 8.

Hurley Shoe Co., Rockland, Mass. Shoes. 175,355; June 8.

Imperial Oil Ltd., Toronto, Ontario, Canada. Oils, greases, and other products made from petroleum. 228,853; June 8.

Ines, Inc., New York, N. Y. Children's garments. 229,629; June 8.

International Harvester Company, Chicago, Ill. Wagons and parts thereof. 227,520; June 8.

International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 223,301; June 8.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 229,917; June 8.

Jelks, O. K., & Son, Quitman, Ga. Peanut products. 216,541; June 8.

Joan-of-Arc Company, The. (See Mitchell, James A.)

Joannes Corporation, Los Angeles, Calif. Coffee, tea, spices, paprika, etc. 216,184; June 8.

Johnson Canning Company, Biloxi, Miss. Canned oysters and shrimp. 221,706; June 8.

Jonas, Charles D., doing business as Bartlett & Bickley, London, England. Tobacco pipes. 228,247; June 8.

Jordan, John D., Vinegar Company, The, Tampa, Fla. Insecticide. 229,859; June 8.

Kasiner, William, doing business as Kasiner Bros., Rochester, N. Y. Young men's and men's coats, vests, trousers, and knickers. 229,969; June 8.

Katzin, Alexander B., doing business as Consolidated Flour Mills of Canada, New York, N. Y. Wheat flour from hard Manitoba wheat. 225,363; June 8.

Keenan, John E., doing business as Midway Bottling Works, Kearney, Nebr. Ginger ale, root beer, sarsaparilla, and various fruit flavors. 228,912; June 8.

Keystone Varnish Company, Brooklyn, N. Y. Outside paste and liquid paint. 231,002; June 8.

Kimberly-Clark Company, Neenah, Wis. Book paper. 231,003–4; June 8.

Kinney-Rome Company, Chicago, Ill. Bed springs. 163,883; June 8.

Klein Brothers, New York, N. Y. Crepe silks in the piece. 230,743; June 8.

Kohnstamm, H., & Co., Inc., New York, N. Y. Flavoring extracts for food purposes. 230,454; June 8.

Kramer, Joshua D., doing business as Western Chair Company, Brooklyn, N. Y. Refrigerators. 230,889; June 8.

Krank, Alfred J., St. Paul, Minn. Hairdressing preparations. 230,745; June 8.

Kunin, Solomon, doing business as Victory Comb & Novelty Company, New York, N. Y. Combs made of celluloid. 229,514; June 8.

Kurtz Bros., Clearfield, Pa. Writing tablets. 229,971; June 8.

Kurzene, Michael, Greensburg, Ind. Kindergarten educational paper cut-outs. 228,761; June 8.

Lammertz, Leo, Aix-la-Chapelle, Germany. Hand sewing needles. 222,038–9; June 8.

Lamona Extract & Mfg. Co. (See Gutfreund, Gus.)

Larus & Brother Co. Incorporated, Richmond, Va. Plug tobacco and cigarettes. 215,636; June 8.

Lawrence, John H., doing business as Parfumerie Du-Moray, Washington, D. C. Bath salts. 230,891; June 8.

Lehman Bros., Inc., Jersey City, N. J. Paints, paint enamels, varnishes, shellacs. 230,488; June 8.

Leigh Chemist, Inc., New York, N. Y. Face powders, face creams, face packs, toilet waters, etc. 230,830; June 8.

Levine, Julius, New York, N. Y. Sandwiches. 228,322; June 8.

Lichtenstein, Harry H., doing business as Majestic Sales Agency, Chicago, Ill. Radiator and boiler stop-leak compound. 224,610; June 8.

Lilly, Eli, & Company, Indianapolis, Ind. Medicine or pharmaceutical preparation. 231,052; June 8.

Linehan & Molo, Dubuque, Iowa. Coke. 228,857; June 8.

Linehan & Molo, Dubuque, Iowa. Coal. 229,919–20; June 8.

Linthicum Stone Corporation, Baltimore, Md. Building stone. 225,931; June 8.

Loft, Incorporated, New York, N. Y. Candy. 213,093; June 8.

Louvaine System of Hair Regeneration. (See Sanford, Corona B.)

Lundell-Eckberg Manufacturing Co. Inc., Jamestown, N. Y. Casements. 226,812; June 8.

Lyons Fertilizer Company, Tampa, Fla. Fertilizers. 229,743; June 8.

Maas, A. W., & Co., Inc., New York, N. Y. Artificial flowers, hat trimmings, ribbon bows, and hat ornaments. 228,918; June 8.

Magnolia Citrus Association, Porterville, Calif. Fresh citrous fruit. 223,967; June 8.

Majestic Sales Agency. (See Lichtenstein, Harry H.)

Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Plate glass, glass in sheets, glass blanks, table and ornamental glassware, and crystal ware. 229,574; June 8.

Marathon Rubber Company, Inc., Akron, Ohio. Soles and heels for boots and shoes. 221,751; June 8.

Marshall Field & Company, Chicago, Ill. Cotton piece goods. 228,533; June 8.

Marvel Maid Garment Company, Chicago, Ill. Slips and bloomers. 230,751; June 8.

Meis, Charles, Shoe Company, The, Cincinnati, Ohio. Leather shoes. 229,432; June 8.

Melcher & Landau, Inc., Chicago, Ill. Infants' bootees, bibs, bonnets, etc. 227,661; June 8.

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Meico Oil Burner Corporation, Buffalo, N. Y. Oil-burning apparatus. 229,806; June 8.
Mendelsohn Company, The, Cleveland, Ohio. Cigars. 229,396–7; June 8.
Mendelsohn Company, The, Cleveland, Ohio. Cigar clippings. 229,398; June 8.
Mersing, Josef, Zurich, Switzerland. Glass globes and shades for electric lamps. 229,187; June 8.
Middle River Bottling Co., Middle River, Md. Ginger ale, sarsaparilla, root beer, and fruit flavors. 229,922; June 8.
Midway Bottling Works. (See Keenan, John E.)
Migel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk piece goods. 230,637; June 8.
Miller Becker Co., Cleveland, Ohio. Chocolate cream and various fruit flavors. 226,857; June 8.
Miroloid Corporation, The, Boston, Mass. Paint enamels, lacquers, enamel and lacquer removers, etc. 211,754; June 8.
Mitchell, James A., doing business as The Joan-of-Arc Company, Denison, Iowa. Grape-wine-flavor beverage. 228,997; June 8.
Monarch Manufacturing Company, Council Bluffs, Iowa. Gasoline, kerosene, and petroleum distillate. 230,775; June 8.
Monroe Chemical Company. (See Tolhurst, George M.)
Motor Vitallzer Co., Milwaukee, Wis. Carburetor or intake-manifold attachments for internal-combustion engines. 228,660; June 8.
Murdock, C. A., Mfg. Co., Kansas City, Mo. Canned olives, canned sandwich filling, and canned mayonnaise. 229,577; June 8.
Murphy, Jere J., Naugatuck, Conn. Refrigerators and refrigerator display cases. 231,009; June 8.
Myers, Lewis E., and Company, Valparaiso, Ind. Pencils that dissolve into paint. 215,752; June 8.
National Chemical Products Co., Inc., Union City, N. J. Moistening and flavoring product used with cigars, cigarettes, and pipe tobacco. 230,345; June 8.
New Home Sewing Machine Co., The, New York, N. Y. Sewing machines. 229,873; June 8.
New York Merchandise Company, New York, N. Y. Hair nets. 229,688; June 8.
Nielco Products Company. (See Nielsen, Claudius.)
Nielsen, Claudius, doing business as Nielco Products Company, Detroit, Mich. Food-flavoring extracts. 229,874; June 8.
Norman, Norman E., East Orange, N. J. Toilet paper. 230,188; June 8.
Nu-Lax Products Company, Scranton, Pa. Chewing gum containing laxative. 230,563; June 8.
Oh Boy Products Company. (See York, Walter.)
Owen-Dyneto Corporation, Syracuse, N. Y. Windshield wipers. 228,261; June 8.
Paragon Paint & Varnish Corporation, Long Island City, N. Y. Ready-mixed paints. 225,201; June 8.
Parfumerie Du-Moray. (See Lawrence, John H.)
Parks-Cramer Company, Fitchburg, Mass. Humidifying apparatus and regulators therefor. 221,975; June 8.
Peloso Bros., New York, N. Y. Chocolate-covered candy. 230,350; June 8.
Pennant Oil & Grease Co., Los Angeles, Calif. Lubricating oils and greases. 226,157; June 8.
Phillips Ribbon & Carbon Co. Inc., Rochester, N. Y. Carbon paper. 229,814; June 8.
Pick, Albert, & Company, Chicago, Ill. Matches. 231,210; June 8.
Pilliod Lumber Company, The, Swanton, Ohio. Art boxes. 227,681; June 8.
Pittsburgh Plate Glass Company, Rennous-Kleinkle Division, Baltimore, Md. Brushes and dusters. 230,195; June 8.
Plymouth Rubber Company, Inc., Canton, Mass. Friction tape. 227,683–4; June 8.
Polk-Miller Products Corporation, Richmond, Va. Flea or insect powder. 230,838; June 8.
Polk Miller Products Corporation, Richmond, Va. Medicine for dogs. 230,840; June 8.
Preventol Laboratories, Davenport, Iowa. Medicinal ointment. 230,046; June 8.
Progressive Knitting Works, Inc., Brooklyn, N. Y. Silk and artificial-silk fabrics. 230,310; June 8.
Reeves & Sons Ltd., Dalston, London, England. Artists' colors. 221,770; June 8.
Reeves & Sons Ltd., Dalston, London, England. Mediums, size, and varnish for artists' use. 221,771; June 8.
Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting. 229,984; June 8.
Rice and Hutchins, Incorporated, Boston, Mass. Boots and shoes. 230,567; June 8.
Richards & Case. (See Case, James L.)
Ridenour-Baker Grocery Company, Kansas City, Mo. Overalls, jackets, work shirts, dress shirts, etc. 229,588; June 8.
Rieger, Ernest A., New York, N. Y. Silk piece goods. 230,845; June 8.
Riodela Chemical Company, Wilmington, Del. Washing and cleaning compound. 211,707; June 8.
Roberts Bros., Portland, Oreg. Knitted underwear, sweaters, and hosiery. 229,467; June 8.
Rockland & Rockport Lime Corporation, Rockland, Me. Hydrated lime. 230,049; June 8.
Rogue River Valley Canning Co., Medford, Oreg. Canned fruits, vegetables, soups, corned beef, etc. 215,822; June 8.
Ross & Gade Co., Inc., New York, N. Y. Water-control valves for bathroom fixtures. 230,123; June 8.
Roundup Grocery Company, Spokane, Wash. Canned shrimp, corn, beans, and tomatoes, etc. 226,688; June 8.
Royal Coal Company, Chicago, Ill. Coal. 229,821; June 8.
Rucker, Robert H., Blackwell, Okla. Articles stamped for embroidery, artificial flowers, hair curlers, etc. 227,420; June 8.
Ryan, D. Frank, Incorporated, Cambridge, Mass. Face powders, sachet, talcum and perfumery powders, lip sticks, etc. 229,006; June 8.
Ste. Genevieve Lime & Quarry Company, St. Louis, Mo. Hydrated lime. 228,504; June 8.
Sanford, Corona B., doing business as Louvaine System of Hair Regeneration, San Francisco, Calif. Electrical machines for the treatment of gray or faded hair. 228,334; June 8.
Satisfaction Coffee Co., Pittsburgh, Pa. Malt sirup for food purposes. 229,826; June 8.
Schloss, Adolphe, Fils & Cie., Paris, France. Perfumes and hygiene products. 208,432; June 8.
Scholl Manufacturing Company, Inc., Chicago, Ill. Heel liners for slippers or pumps. 223,663; June 8.
Schulze, Paul, Biscuit Co., Chicago, Ill. Cookies, cakes, and wafers. 222,954; June 8.
Sealastic Co., The. (See Abseck, Louis.)
Sherman, Robert, New York, N. Y. Toy tricks. 230,267; June 8.
Sherwood Bros. Inc., Baltimore, Md. Lubricating, illuminating, and fuel oils, lubricating greases, etc. 228,620; June 8.
Shoe Form Co., Inc., The, Auburn, N. Y. Shoe forms. 228,834; June 8.
Shutt, Nathan E., Santa Monica, Calif. Depilatory, deodorant, soothing lotion, and dandruff remover. 230,803; June 8.
Signal Shirt Company, Racine, Wis. Work, negligee, and sport shirts, blouses, and jackets. 227,192; June 8.
Simbro Laboratories, Detroit, Mich. Hairdressing. 229,829; June 8.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton goods in the piece. 224,479; June 8.
Small & Parkes Ltd., Manchester, England. Brake and clutch linings. 229,130; June 8.
Smith, L. C., & Bros. Typewriter, Inc., now by change of name L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machines and parts thereof. 220,977; June 8.
Smokerset Co., Inc., The, New York, N. Y. Ash trays, smoking sets, and humidors. 212,575; June 8.
Solex Drug Company, Belleville, N. J. Preparation for rheumatism. 228,837; June 8.
Sperry Flour Co., San Francisco, Calif. Poultry food. 230,131; June 8.
Springfield Grocer Company, Springfield, Mo. Canned fruits, vegetables, fish, etc. 227,193; June 8.
Squire Dingee Company, Chicago, Ill. Pickles, mustard, catchup, jellies, jams, etc. 228,208; June 8.
Standard Oil Company (New Jersey), Bayonne, N. J. Detergent used in laundering operations. 225,526–8; June 8.
Steinberger Bros., Inc., New York, N. Y. Yarn and Angora yarn. 231,128; June 8.
Stein-Bloch Co., The, Rochester, N. Y. Men's sack coats and overcoats. 230,772; June 8.
Steinhardt & Kelly Inc., New York, N. Y. Eggs. 228,784; June 8.
Stiteler, Isaac N., doing business as Anne Hathaway Shoppe, Reading, Pa. Candies. 228,570; June 8.
Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Wood pulp. 229,711; June 8.
Storey, H. E., doing business as Storey Laboratories, Houston, Tex. Medicine in tablet form for internal use. 230,954; June 8.
Strathmore Paper Company, Mittineague, Mass. Cover paper. 215,827; June 8.
Strathmore Paper Company, Mittineague, Mass. Writing paper and mailing envelopes. 215,828; June 8.
Sullivan Paint Company, St. Louis, Mo. Paints, varnishes, paint enamels, shellacs, stains, etc. 230,501; June 8.
Sutton & Sons, Reading, England. Seeds. 227,922; June 8.
Tar Products Corporation, Providence and East Providence, R. I. Cresote oil, tar acid oil, disinfectants. 229,413; June 8.
Tar Products Corporation, Providence and East Providence, R. I. Cresote oil, tar acid oil, disinfectants, etc. 228,411; June 8.
Tar Products Corporation, Providence and East Providence, R. I. Creosote oil, tar acid oil, disinfectants, etc. 229,415; June 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tar Products Corporation, Providence and East Providence, R. I. Roof cement. 229,601; June 8.
Taylor Instrument Companies, Rochester, N. Y. Clinical thermometers. 219,355; June 8.
Texas Citrus Fruit Growers' Exchange, Mission, Tex. Grapefruit and orange juice sold for soft-drink purposes. 228,951; June 8.
Thayer, Henry, & Co., Inc., Cambridge, Mass. Medicinal confection. 225,423; June 8.
Thompson, Robert, doing business as Varnu Company, Colfax, Wash. Polish for furniture and automobiles. 226,452; June 8.
Toch Brothers, Incorporated, New York, N. Y. Waterproofing paint. 228,576; June 8.
Tolhurst, George M., doing business as Monroe Chemical Company, Atlanta, Ga. Laxatives. 226,790; June 8.
Trebow, Max R., doing business as Trebow Cigar Company, Philadelphia, Pa. Cigars. 230,199; June 8.
Truscon Steel Company, Youngstown, Ohio. Roofing construction, metal plates, and an insulated and waterproof covering. 226,263; June 8.
United Hardware & Tool Corporation, New York, N. Y. Abrasive cloths and papers. 228,010; June 8.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Wood heels for shoes. 230,138; June 8.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Shoe stretchers. 230,144; June 8.
United States Fuel Company, Salt Lake City, Utah. Coal. 210,818; June 8.
United States Gutta Percha Paint Company, Providence, R. I. Ready-mixed paints. 231,172; June 8.
U. S. Line Company. (See United States Whip Company.)
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 226,576; June 8.
Universal Typographic Scale Co., San Francisco, Calif. Pay envelopes. 229,422; June 8.
Vacuum Oil Company, New York, N. Y. Oils, greases, waxes, and similar products. 229,880; June 8.
Van Antwerp's Drug Corporation Inc., Mobile, Ala. Candy. 227,258; June 8.
Varnu Company. (See Thompson, Robert.)
Venus Corporation, The, New York, N. Y. Sanitary napkins. 230,958; June 8.
Victory Comb & Novelty Company. (See Kunin, Solomon.)
Vitrefrax Company, Inc., The, Los Angeles, Calif. Grinding balls. 228,515; June 8.
W. & W. Pickle and Canning Company, Montgomery, Ala. Pickles. 230,699–700; June 8.
Waltz, Hazel H., Oakland, Calif. Hairpins made of spring metal. 220,585; June 8.
Warshaw, Philip H., Inc., New York, N. Y. Hair tonics, toilet water, hair oils, etc. 227,925; June 8.
Washington Rubber Company, Chicago, Ill. Fountain pens. 230,433–4; June 8.
Waverly Company, The, Minneapolis, Minn. Tooth powder, paste, enamel, etc. 230,504; June 8.
Wayne, Roman Y., doing business as Wayne Laboratories, Detroit, Mich. Cough remedy. 224,123; June 8.
Webster, Alexander J., doing business as The Fruited Wheat Co-op Co., Lindfield, near Sydney, New South Wales, Australia. Breakfast food. 225,387; June 8.
Western Chair Company. (See Kramer, Joshua D.)
Western Laboratories. (See Greif, John M.)
Whitin Machine Works, Whitinsville, Mass. Spinning and twisting rings. 228,880; June 8.
Whitman & Barnes Manufacturing Company, The, Akron, Ohio. Twist drills and reamers. 223,066; June 8.
Wilder, Lincoln, Burley, Idaho. Potatoes. 226,756; June 8.
Wilkes & Seaman Co., Louisville, Ky. Prepared chocolate. 230,146; June 8.
Williams Manufacturing Co., Cleveland, Ohio. Catarrh snuff. 230,147; June 8.
Wilson Brothers, Chicago, Ill. Neckties. 231,024; June 8.
Wilson-Western Sporting Co., Chicago, Ill. Golf clubs and golf balls. 228,076; June 8.
Winnipeg Roofing Company Limited, St. Boniface, Manitoba, Canada. Magnesite stucco and building paper. 219,465; June 8.
Wittman, Joseph, Inc., Ozone Park, Long Island, N. Y. Noncereal, maltless beverages. 228,986; June 8.
Wolfelt, Curt, Inc., New York, N. Y. Shoes, boots, and slippers. 227,050; June 8.
Wolverine Brass Works, Grand Rapids, Mich. Basin and sink stoppers, basin and sink rubber plugs, etc. 228,165; June 8.
Wood, T. W., & Sons, Richmond, Va. Grass seed. 229,315; June 8.
York, Walter, doing business as Oh Boy Products Company, Chicago, Ill. Malt sirup for food purposes. 227,432; June 8.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Casing for oil and gas wells. 230,862–3; June 8.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 230,606; June 8.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather. Monarch Leather Company. 214,051; June 8.

CLASS 2.

Bags, Paper. Advance Bag and Paper Company. 213,952; June 8; Serial No. 222,546; published Mar. 30, 1926.
Bags, Paper garment. Roseth Corporation. 213,801–2; June 8; Serial Nos. 225,678–9; published Mar. 30, 1926.
Boxes and display cards, Necktie. H. P. Ulich & Co. 213,976; June 8; Serial No. 226,926; published Mar. 30, 1926.
Boxes with fancy coverings, Empty paper. Ertel Brothers Company. 213,968; June 8; Serial No. 224,698; published Mar. 30, 1926.
Cans, Milk. Oakes & Burger Co. 51,905; renewed Apr. 24, 1926.
Household articles made of copperware. Lisk Manufacturing Co. Ltd. 53,786; renewed June 12, 1926.
Household articles made of enameled steel ware. Lisk Manufacturing Co. Ltd. 53,888; renewed June 5, 1926.
Household articles made of galvanized ware. Lisk Manufacturing Co. Ltd. 53,809; renewed June 12, 1926.

CLASS 3.

Blankets, Horse. William Ayres & Sons. 56,597; renewed Oct. 9, 1926.

CLASS 4.

Polish, Shoe. American Chemical Manufacturing & Mining Company. 54,769; renewed July 31, 1926.
Soap. Colgate & Co. 55,846; renewed Aug. 21, 1926.
Soaps and soap powders. Colgate & Co. 55,886; renewed Aug. 21, 1926.

CLASS 5.

Isinglass of a gelatinous nature. Howe & French Isinglass Company. 55,563–4; renewed Aug. 14, 1926.

CLASS 6.

Acids, Battery and sulphuric. Smith Agricultural Chemical Company. 213,828; June 8; Serial No. 225,851; published Mar. 9, 1926.
Acids, Fatty. E. Rauh and Sons Company. 213,905; June 8; Serial No. 206,976; published Mar. 2, 1926.
Alcohol, bay rum, toilet water, etc., Rubbing. A. M. Gugenheim; 213,805; June 8; Serial No. 225,710; published Mar. 30, 1926.
Antifreeze compound. Colgate & Company. 213,886; June 8; Serial No. 227,060; published Mar. 23, 1926.
Antiseptic and analgesic dry dressing. A. R. Witt. 213,980; June 8; Serial No. 227,211; published Mar. 30, 1926.
Antiseptic, foot powder, pine liniment, etc. W. F. Kippen; 213,925; June 8; Serial No. 226,430; published Mar. 30, 1926.
Antiseptic nonfatty and soluble lubricating jelly. Van Horn & Sawtell. 54,124; renewed June 19, 1926.
Antiseptics and germicides. Detroit Dental Manufacturing Co. 213,878; June 8; Serial No. 226,340; published Mar. 2, 1926.
Antiseptics and germicides. M. W. Savage. 51,503; renewed Apr. 17, 1926.
Bone for casehardening, coloring, and annealing. Rogers & Hubbard Co. 52,082; renewed May 1, 1926.
Cakes, Dyspepsia. H. A. C. Dahl. 50,715; renewed Mar. 27, 1926.
Cements. H. C. Thompson. 214,033; June 8; Serial No. 205,247; published Mar. 16, 1926.
Chemical compounds for absorbing moisture in steel and organic-combustion analysis. Arthur H. Thomas Company. 213,829; June 8; Serial No. 225,852; published Mar. 2, 1926.
Chemical preparation. C. L. Howe. 54,108; renewed June 19, 1926.
Chemicals, radioactive clay, etc., Dark-room and fluoroscopic. Victor X-Ray Corporation. 213,950; June 8; Serial No. 222,648; published Mar. 30, 1926.
Composition, Boiler. Wilson-Spear Co. 214,048; June 8; Serial No. 226,269; published Mar. 16, 1926.

Compound for the toilet, Almond-meal. Holton & Adams. 56,520; renewed Oct. 2, 1926.
Compound, Indigestion. Voloshen Chemical Corporation. 213,970; June 8; Serial No. 224,368; published Mar. 30, 1926.
Cordial for use for cholera morbus, colic, etc. Van Vleet-Mansfield Drug Co. 213,850; June 8; Serial No. 225,332; published Mar. 16, 1926.
Cream, compact, face powder, toilet water, etc., Package containing cold. Colgate & Company. 214,010; June 8; Serial No. 220,703; published Jan. 19, 1926.
Cream, Peeling. Hanly Products Co. Inc. 213,990; June 8; Serial No. 226,484; published Mar. 30, 1926.
Creams, cosmetic lotions, ointments, and polishes, Facial. Yvette Co. 213,994; June 8; Serial No. 223,452; published Mar. 30, 1926.
Creams, night creams, and cleansing creams, Day. George W. Luft Company. 214,022; June 8; Serial No. 223,852; published Mar. 16, 1926.
Cyanides. American Cyanamid Company. 213,989; June 8; Serial No. 227,053; published Mar. 30, 1926.
Dentifrices. J. O. McCall. 213,844; June 8; Serial No. 226,010; published Mar. 2, 1926.
Disinfectant and stain-removing compound. M. Schachter. 214,013; June 8; Serial No. 222,523; published Mar. 23, 1926.
Drugs, chemicals, essential oils, etc. Avri Drug & Chemical Company. 214,040; June 8; Serial No. 225,290; published Mar. 23, 1926.
Femenina, a medical preparation. Van Vleet-Mansfield Drug Co. 213,848; June 8; Serial No. 225,300; published Mar. 16, 1926.
Hair straightener, Liquid. A. R. Genovese. 213,964; June 8; Serial No. 225,118; published Mar. 30, 1926.
Hair tonic. M. Langhaus. 213,840; June 8; Serial No. 220,029; published Nov. 3, 1925.
Hair tonic. I. Weinberg. 213,861; June 8; Serial No. 225,900; published Mar. 2, 1926.
Incense. Nippon Dry Goods Company. 213,815; June 8; Serial No. 226,072; published Mar. 30, 1926.
Insecticide. Rex Company. 213,818; June 8; Serial No. 216,936; published Sept. 22, 1925.
Insecticide and vermin exterminator. P. N. Hyman. 213,986; June 8; Serial No. 225,475; published Mar. 30, 1926.
Insecticide, disinfectant, and deodorant. M. W. Cookerow. 214,047; June 8; Serial No. 226,232; published Mar. 16, 1926.
Insecticides. J. M. Chamblin. 213,847; June 8; Serial No. 227,110; published Mar. 23, 1926.
Insecticides. J. H. Larson. 213,911; June 8; Serial No. 223,098; published Mar. 16, 1926.
Laxative. Louis Philippe, Inc. 213,845; June 8; Serial No. 226,018; published Mar. 9, 1926.
Laxative gumdrops. Nu-Lax Mfg. Co. 213,837; June 8; Serial No. 225,377; published Mar. 16, 1926.
Laxatives, Chewing-gum. Blackstone Manufacturing Company. 214,008; June 8; Serial No. 220,174; published Mar. 2, 1926.
Liniment. N. W. Dudley. 213,958; June 8; Serial No. 225,470; published Mar. 30, 1926.
Liniment. J. M. Helb. 213,993; June 8; Serial No. 224,758; published Mar. 30, 1926.
Liniment. A. B. Richards. 55,713; renewed Aug. 21, 1926.
Liniment, Arnica. Van Vleet-Mansfield Drug Co. 213,894; June 8; Serial No. 225,329; published Mar. 16, 1926.
Liquid disinfectant. Clarke Chemical Company. 213,889; June 8; Serial No. 227,111; published Mar. 23, 1926.
Liquid used in the treatment of Bronchial affections. American Arlesheim Laboratories, Inc. 213,888; June 8; Serial No. 227,101; published Mar. 23, 1926.
Lotion. S. R. Van Duzer. 56,060; renewed Aug. 21, 1926.
Lotion, After-shaving. J. K. Mills & Co. 213,838; June 8; Serial No. 225,370; published Mar. 2, 1926.
Lotion, Hair. B. Guilpin. 214,021; June 8; Serial No. 223,640; published Mar. 9, 1926.
Medical compounds. Headstream & de Flon. 55,636; renewed Aug. 21, 1926.
Medical preparation. E. Bilhuber, Inc. 213,833; June 8; Serial No. 225,761; published Mar. 9, 1926.
Medicinal bitters. P. Maggini. 214,050; June 8.
Medicinal preparation. C. J. Bullard. 213,883; June 8; Serial No. 226,940; published Mar. 23, 1926.
Medicinal preparation. Wilson-Hughes Drug Co. 213,902; June 8; Serial No. 192,655; published Mar. 2, 1926.
Medicine. Van Pelt & Brown. 214,045; June 8; Serial No. 225,898; published Mar. 16, 1926.
Medicine for the removal of corns, bunions, and calli. A. C. Stephenson. 214,026; June 8; Serial No. 225,246; published Mar. 30, 1926.
Medicine for treatment of rheumatism. Dale & Dale. 213,853; June 8; Serial No. 224,811; published Mar. 2, 1926.
Medicine for use in treating rheumatism, kidney and stomach ailments, etc. W. K. Chang. 213,974; June 8; Serial No. 226,712; published Mar. 30, 1926.
Medicine in the nature of an antiseptic. L. Pezze, M. D. 213,915; June 8; Serial No. 226,207; published Mar. 30, 1926.
Medicine, Rheumatism. C. Quong. 213,839; June 8; Serial No. 222,799; published Jan. 19, 1926.
Medicines. C. F. W Cook. 213,849; June 8; Serial No. 224,904; published Feb. 16, 1926.
Medicines. A. J. Kumler. 214,024; June 8; Serial No. 224,768; published Mar. 23, 1926.
Medicines and chemical treatment material for pyorrhea. Sun Chemical Co. 213,873; June 8; Serial No. 215,600; published Mar. 2, 1926.
Medicines and plasters. Dr. A. Nachmann Chem. U. Pharm. Preparate G. m. b. H. 214,015; June 8; Serial No. 223,185; published Mar. 9, 1926.
Medicines for purifying the blood. M. I. S. T. Co. 50,798–9; renewed Mar. 27, 1926.
Medicines for the treatment of constipation, sour stomach, etc. Tex-A-Tone Chemical Company. 213,962; June 8; Serial No. 224,996; published Feb. 23, 1926.
Medicines in pill form. William R. Warner & Co. 52,747; renewed May 15, 1926.
Oils and flavoring materials, Essential. Societe Anonyme des Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux. 213,978; June 8; Serial No. 227,142; published Mar. 30, 1926.
Perfumes. Milton Cahn & Company. 213,909; June 8; Serial No. 223,766; published Mar. 2, 1926.
Perfumes. Fallis Inc. 213,884–5; June 8; Serial Nos. 227,005–6; published Mar. 23, 1926.
Perfumes. Lionel Trading Co. Inc. 213,908; June 8; Serial No. 217,225; published Mar. 9, 1926.
Perfumes. Lucky Star Mfg. Co. 213,957; June 8; Serial No. 225,433; published Mar. 30, 1926.
Perfumes. Nyal Company. 214,022; June 8; Serial No. 223,799; published Mar. 2, 1926.
Perfumes and toilet waters. Societe Anonyme d'Onge. 213,930; June 8; Serial No. 226,566; published Mar. 23, 1926.
Perfumes and toilet waters. John Wanamaker Philadelphia. 214,062; June 8.
Perfumes, toilet water, bath powder, etc. S. S. Pierce Co. 214,001; June 8; Serial No. 226,440; published Mar. 30, 1926.
Perfumes, toilet water, face lotions, and creams, rouges, etc. Storfer Laboratories Inc. 213,864; June 8; Serial No. 225,894; published Mar. 2, 1926.
Perfumes, toilet waters, and powders. Dobbs & Co. 213,907; June 8; Serial No. 207,857; published Feb. 24, 1925.
Perfumes, toilet waters, talcum, rouges, etc. Societe la France Toilet Goods Co. 213,991; June 8; Serial No. 226,447; published Mar. 30, 1926.
Pharmaceutical preparation. Wolo A.-G. (Wolo Ltd.) 213,866; June 8; Serial No. 210,942; published Mar. 23, 1926.
Plasters, Adhesive. J. Ellwood Lee Company. 55,500; renewed Aug. 14, 1926.
Plasters, Medicinal. J. Ellwood Lee Company. 55,501; renewed Aug. 14, 1926.
Plasters, Medicinal and adhesive. J. Ellwood Lee Company. 55,539; renewed Aug. 14, 1926.
Plasters, Medicinal and adhesive. J. Ellwood Lee Company. 55,565; renewed Aug. 14, 1926.
Plasters, Medicinal and adhesive. J. Ellwood Lee Company. 56,213; renewed Sept. 4, 1926.
Powder, perfumes, toilet water, and face powder, Talcum. Colgate & Company. 213,892; June 8; Serial No. 222,310; published Mar. 16, 1926.
Powder, Tooth. Novodent Chemical Co. 213,855; June 8; Serial No. 225,236; published Mar. 9, 1926.
Powders and creams, toilet waters, rouges, hair oils, nail polishes, etc., Face. M. M. Fieron & Son, Inc. 213,938; June 8; Serial No. 213,073; published Mar. 30, 1926.
Powders, creams, and packs, perfumes, hair tonics, etc., Face. Truvy, Inc. 213,824; June 8; Serial No. 225,986; published Mar. 23, 1926.
Powders, creams, and packs, rouges, etc., Face. V. Vivaudou. 213,852; June 8; Serial No. 224,887; published Mar. 2, 1926.
Powders, creams, and packs, rouges, perfumes, etc., Face. M. Kominsky. 214,046; June 8; Serial No. 226,151; published Mar. 16, 1926.
Powders, creams and packs, rouges, perfumes, etc., Face. Mate, Inc. 213,831–2; June 8; Serial Nos. 225,723–4; published Feb. 23, 1926.
Powders, creams, packs, and toilet waters, rouges, etc., Face. A. P. Babcock Company. 214,000; June 8; Serial No. 226,414; published Mar. 16, 1926.
Powders, creams, packs, toilet waters, etc., Face. Parfumerie St. Denis. 213,948; June 8; Serial No. 222,993; published Mar. 30, 1926.
Powders, creams, packs, toilet waters, etc., Face. I. L. Sommer. 213,975; June 8; Serial No. 226,744; published Mar. 30, 1926.
Powders, facial creams, skin tonics, perfumes, etc., Face. D. H. Chester. 214,036; June 8; Serial No. 207,067; published Mar. 23, 1926.
Powders for nursery and toilet use, and ointments. Crystal Chemical Company. 213,935; June 8; Serial No. 218,106; published Mar. 30, 1926.
Powders, skin lotions, toilet waters, etc., Face. E. Beecham. 213,856; June 8; Serial No. 225,252; published Mar. 9, 1926.
Preparation for combating hypogalactia. Hausmann A.-G. Schweiz. Medizinal & Sanitäts-Geschäft St. Gallen. 213,896; June 8; Serial No. 223,033; published Mar. 23, 1926.

Preparation for diseases of the mucous membrane and skin. Marveline Company. 47,955; renewed Nov. 28, 1925.
Preparation for removing carbon from cylinders and valves of internal-combustion engines. W. E. Whiston. 213,996; June 8; Serial No. 218,677; published Mar. 30, 1926.
Preparation for removing the roughness of a collar and preserving the skin from irritation. N. N. Marcotoon. 213,901; June 8; Serial No. 222,858; published Jan. 5, 1926.
Preparation for the removal of corns and calli. F. L. Kirchhoff. 213,887; June 8; Serial No. 227,077; published Mar. 23, 1926.
Preparation for the treatment of gas on the stomach and dyspepsia relief. G. W. Street. 213,981; June 8; Serial No. 227,251; published Mar. 30, 1926.
Preparation for the treatment of gonorrhea. Lipoidal Laboratories, Inc. 213,890; June 8; Serial No. 227,128; published Mar. 23, 1926.
Preparation for use in the treatment of the scalp and to promote the growth of hair. W. Moore. 213,979; June 8; Serial No. 227,196; published Mar. 30, 1926.
Preparation to set dye in fabrics. N. M. Cronch. 213,859; June 8; Serial No. 225,351; published Mar. 9, 1926.
Preparations for treating rheumatism, itches, etc., Soluble hot-bath. D. W. Stewart 214,043; June 8; Serial No. 225,815; published Mar. 30, 1926.
Preparations for treating textile fasers and fabrics during dyeing and sizing operations. Chemische Fabrik Pott & Co. 214,031; June 8; Serial No. 196,434; published Mar. 16, 1926.
Preventive and cure of diseases of domestic animals. Helon G. Harter & Co. 56,540; renewed Oct. 2, 1926.
Remedies. S. Grover Graham Company. 56,549; renewed Oct. 2, 1926.
Remedies. W. H. Wood. 56,545; renewed Oct. 2, 1926.
Remedies for the relief of gas indigestion, etc. Herb. S. Smithline. 213,854; June 8; Serial No. 225,204; published Mar. 16, 1926.
Remedies, Veterinary. G. E. Taylor-McCreary. 214,053; June 8.
Remedy, Croup. Peckham's Croup Remedy Co. 56,649; renewed Oct. 16, 1926.
Remedy for skin diseases and eruptions. A. B. Richards. 55,620; renewed Aug. 21, 1926.
Remedy for the cure of St. Vitus' dance or chorea. S. W. Mackrell. 52,784; renewed May 15, 1926.
Remedy, Pile. J. J. Horn. 213,860; June 8; Serial No. 225,362; published Mar. 2, 1926.
Salts, Bath. Parfumerie St. Denis. 214,007; June 8; Serial No. 217,480; published Mar. 9, 1926.
Salve or plaster for treating cancer. E. E. Cook. 213,863; June 8; Serial No. 225,871; published Mar. 2, 1926.
Salve, Pile. Van Vleet-Mansfield Drug Co. 213,879; June 8; Serial No. 225,331; published Mar. 9, 1926.
Scalp and head preparation. I. La Rosa. 213,946; June 8; Serial No. 222,383; published Feb. 9, 1926.
Shampoo, Scalp and hair. G. G. Holoff. 213,906; June 8; Serial No. 207,475; published Mar. 2, 1926.
Soda, Washing. Buckeye Soda Products Company. 213,817; June 8; Serial No. 217,131; published Mar. 9, 1926.
Solvent for drain pipes and the like. S. Gross. 213,826; June 8; Serial No. 224,703; published Mar. 2, 1926.
Solvents, cleanser, water softener, and boiler compound. A. Cameron. 213,851; June 8; Serial No. 224,901; published Mar. 2, 1926.
Solvents for cellulose esters. H. A. Metz & Co. 214,044; June 8; Serial No. 225,833; published Mar. 16, 1926.
Sulphur dioxide, Liquid. Virginia Smelting Company. 213,992; June 8; Serial No. 226,316; published Mar. 30, 1926.
Suppositories for prevention and alleviation of disease of the pelvic organs peculiar to women, and piles. Dr. Pierre Chemical Co. 213,899–900; June 8; Serial Nos. 222,872–3; published Mar. 16, 1926.
Suppositories for the prevention and alleviation of disease of the pelvic organs peculiar to women, etc. Dr. Pierre Chemical Co. 214,014; June 8; Serial No. 222,876; published Mar. 16, 1926.
Tablets and liquid preparation for headaches, mental fatigue, etc., Effervescent. G. W. Tolbin. 213,876; June 8; Serial No. 221,934; published Mar. 9, 1926.
Tonic, Hair. P. C. Hayes. 213,913; June 8; Serial No. 224,458; published Mar. 30, 1926.
Tonic, Hair. J. A. McCormack. 213,843; June 8; Serial No. 224,716; published Mar. 9, 1926.
Tonic, Hair. J. Zajac. 213,862; June 8; Serial No. 225,946; published Mar. 9, 1926.
Tonic, medicinal oil, etc. F. A. Stock. 214,039; June 8; Serial No. 213,747; published Sept. 8, 1925.
Tonic remedy for certain named diseases. A. B. Richards. 54,983; renewed Aug. 7, 1926.
Tonic, Scalp. P. Colla. 213,820; June 8; Serial No. 225,951; published Mar. 9, 1926.
Vermifuge. Van Vleet-Mansfield Drug Co. 213,858; June 8; Serial No. 225,328; published Mar. 16, 1926.
Zirconium and titanium compounds. Titanium Alloy Manufacturing Company. 214,020; June 8; Serial No. 223,610; published Mar. 9, 1926.

White-pine-needle baths. Product for the preparation of. Wolo A.-G. (Wolo Ltd.). 213,869; June 8; Serial No. 210,945; published Mar. 23, 1926.

CLASS 7.

Ropes, yarns, twines, and cords. Plymouth Cordage Company. 56,622; renewed Oct. 9, 1926.

CLASS 8.

Cigarette and cigar holders. Superior Hard Rubber Company. 214,038; June 8; Serial No. 212,579; published Mar. 30, 1926.

CLASS 9.

Matches. Belga Match Soc. An. 214,016–8; June 8; Serial Nos. 223,455–7; published Mar. 30, 1926.
Matches. Usines Allumettières des Flandres Société Anonyme. 214,023; June 8; Serial No. 224,215; published Mar. 30, 1926.
Shotguns, rifles, and pistols. Marlin Firearms Company. 56,280; renewed Sept. 4, 1926.
Shotguns, rifles, revolvers, and parts thereof. Marlin Firearms Company. 54,158; renewed Aug. 7, 1926.

CLASS 10.

Fertilizers. E. G. Thornton. 213,966; June 8; Serial No. 224,844; published Mar. 30, 1926.

CLASS 11.

Ink, Duplicating. Neostyle Company. 53,787; renewed June 12, 1926.

CLASS 12.

Bituminous emulsions for use as a binding medium in road making, briquetting, and similar manufactures. Asphalt Cold Mix Limited. 213,936; June 8; Serial No. 216,377; published Feb. 16, 1926.

CLASS 13.

Bolts and rivets, Tire. American Screw Company. 54,928; renewed Aug. 7, 1926.
Culinary articles made of tinware. Lisk Manufacturing Co. Ltd. 53,756; renewed June 12, 1926.
Nails, Horse. Capewell Horse Nail Company. 56,605; renewed Oct. 9, 1926.
Utensils made of copper ware, Culinary. Lisk Manufacturing Co. Ltd. 52,809; renewed May 15, 1926.
Utensils made of galvanized ware, Culinary. Lisk Manufacturing Co. Ltd. 52,914; renewed May 22, 1926.
Utensils made of tinware, Cooking. Lisk Manufacturing Co. Ltd. 52,404; renewed June 5, 1926.
Utensils made of tinware, Culinary. Reed Manufacturing Co. 52,150; renewed May 29, 1926.
Valves, shower stalls, and showers, Mixing. Hoffmann & Billings Mfg. Co. 214,059; June 8.

CLASS 14.

Alloys, Heat-resisting and corrosion-resisting and oxidation-resisting. American Manganese Steel Company. 213,922; June 8; Serial No. 226,327; published Mar. 30, 1926.
Anchors. Thomas Laughlin Company. 56,104; renewed Aug. 21, 1926.
Iron and steel, Rolled, drawn, and forged. Fagersta Bruks Aktiebolag. 213,827; June 8; Serial No. 209,903; published Mar. 30, 1926.
Iron and steel, Rolled, drawn, and forged. Fagersta Bruks Aktiebolag. 213,865; June 8; Serial No. 209,905; published Mar. 30, 1926.
Metal, Babbitt. Peerless Smelting & Refining Co. 53,584; renewed June 5, 1926.
Tin and terne plates. Follansbee Brothers Company. 51,209–10; renewed Apr. 10, 1926.
Tin and terne plates. Follansbee Brothers Company. 51,229–30; renewed Apr. 10, 1926.
Tin and terne plates. Follansbee Brothers Company. 51,343; renewed Apr. 10, 1926.
Tin and terne plates. Follansbee Brothers Company. 51,345–6; renewed Apr. 10, 1926.
Tin and terne plates. Follansbee Brothers Company. 51,639–42; renewed Apr. 17, 1926.
Tin and terne plates. Follansbee Brothers Company. 55,450–1; renewed Aug. 14, 1926.
Tin plate. Manogue-Pidgeon Iron Company. 56,616; renewed Oct. 9, 1926.

CLASS 15.

Oils, Illuminating. Standard Oil Co. of New York. 50,889; renewed Apr. 3, 1926.
Oils, Illuminating. Standard Oil Co. of New York. 51,049; renewed Apr. 3, 1926.
Oils, Illuminating. Standard Oil Co. of New York. 52,617; renewed May 15, 1926.
Oils, Illuminating. Standard Oil Co. of New York. 54,025; renewed June 19, 1926.
Oils manufactured from petroleum, Illuminating. Standard Oil Co. of New York. 53,445; renewed June 5, 1926.

CLASS 16.

Colors, bronze powders and liquids, filler, and prepared shellac, Unmixed. J. Soltz. 213,875; June 8; Serial No. 220,151; published Mar. 23, 1926.

Enamels, Pyroxylin. E. I. Dupont de Nemours and Company. 213,806; June 8; Serial No. 225,777; published Mar. 23, 1926.
Lacquers. Van Camp Hardware & Iron Company. 213,927; June 8; Serial No. 226,455; published Mar. 30, 1926.
Lacquers, lacquer enamels, and lacquer thinners. Egyptian Lacquer Manufacturing Company. 213,916–8; June 8; Serial Nos. 226,233–5; published Mar. 23, 1926.
Paints, Damp-resisting. Toch Brothers. 54,799; renewed July 31, 1926.
Paints, Fresco. Toch Brothers. 54,420; renewed June 26, 1926.
Paints, Ready-mixed. Williams, Martin & Gray. 51,512; renewed Apr. 17, 1926.
Paints, varnishes, enamels, blacks, etc. Valentine & Company. 56,427; renewed Sept. 25, 1926.
Paints, varnishes, etc., Dry, paste, and ready-mixed. Glidden Company. 213,956; June 8; Serial No. 225,413; published Mar. 30, 1926.
Primers, surfacers, or paint undercoatings, paint enamels, etc. Standard Varnish Works. 213,945; June 8; Serial No. 221,858; published Mar. 23, 1926.
Turpentine. Standard Oil Co. of New York. 53,015; renewed May 22, 1926.
Turpentine. Standard Oil Co. of New York. 54,533; renewed June 26, 1926.
Varnish products. Rinshed-Mason Co. 213,814; June 8; Serial No. 225,978; published Mar. 23, 1926.
Varnishes. Irvin, Jewell & Vinson Co. 214,061; June 8.
Varnishes, paint enamels, lacquers, etc. Standard Varnish Works. 213,987; June 8; Serial No. 225,580; published Mar. 23, 1926.
Varnishes, stains, and finishes. John Lucas & Company Incorporated. 213,941; June 8; Serial No. 189,006; published Sept. 2, 1924.

CLASS 17.

Cigars. H. Nitzsche. 56,793; renewed Oct. 16, 1926.
Tobacco, Chewing and smoking. Bloch Brothers Tobacco Company. 56,203; renewed Sept. 4, 1926.
Tobacco, cigars, and cigarettes, Smoking and chewing. Gallaher Limited. 213,800; June 8; Serial No. 225,657; published Mar. 30, 1926.
Tobacco, Smoking. A. Orlik. 214,068; June 8.

CLASS 19.

Automobile bumpers. Cox Corporation. 214,063; June 8.
Automobile rims and locks therefor. Hedwig Sales Corp. 214,064; June 8.
Propeller wheels. B. O. Godfrey. 214,066; June 8.

CLASS 21.

Insulated wire and cables and insulating tape. Indiana Rubber & Insulated Wire Co. 56,559; renewed Oct. 9, 1926.

CLASS 22.

Athletic goods. A. G. Spalding & Bros. 56,737–8; renewed Oct. 16, 1926.
Baby walkers. H. C. White Company. 213,928; June 8; Serial No. 226,522; published Mar. 30, 1926.
Cards, Playing. Home Game Company. 56,571; renewed Oct. 9, 1926.
Fishing lines. United States Whip Company. 213,932; June 8; Serial No. 226,577; published Mar. 30, 1926.
Game of Chinese domino. Société Maunoury & Cie. 213,931; June 8; Serial No. 226,567; published Mar. 30, 1926.
Toy houses, garages, gasoline service stations, drug stores, etc. Singer Paper Products Co. 213,803; June 8; Serial No. 225,682; published Mar. 30, 1926.
Toy, Pull. H. C. White Company. 213,929; June 8; Serial No. 226,523; published Mar. 30, 1926.
Toy wooden building blocks. G. A. Crosman & Sons Co. 213,804; June 8; Serial No. 225,704; published Mar. 30, 1926.

CLASS 23.

Bearings, Machine. N. Mellor. 56,563; renewed Oct. 9, 1926.
Cleaning dishes, glasses, silver, and the like, Machine for. Sterilwash Machine Company. 213,898; June 8; Serial No. 222,884; published Mar. 30, 1926.
Escalators, endless carriers, ammunition hoists, etc. Otis Elevator Company. 214,019; June 8; Serial No. 223,483; published Mar. 30, 1926.
Grinding stones. Smallwood Stone Company. 214,060; June 8.
Knives and belt punches, Belt. Victor Balata & Textile Belting Co. 213,882; June 8; Serial No. 226,838; published Mar. 30, 1926.
Lawn mowers. Whitman & Barnes Manufacturing Co. 54,258; renewed June 26, 1926.
Needles. Thüringische Nadel & Stahlwaaren Fabrik Wolff, Knippenberg & Co., Actien Gesellschaft. 52,346; renewed May 8, 1926.
Needles for hand and machine sewing. Henry Milward & Sons, Limited. 51,557; renewed Apr. 17, 1926.
Presses, pumps, valves, etc. Hydraulic Press Manufacturing Company. 213,910; June 8; Serial No. 223,717; published Mar. 30, 1926.
Razors and pocketknives. A. L. Silberstein. 55,299; renewed Aug. 14, 1926.
Sewing machines. A. G. Mason. 51,531; renewed Apr. 17, 1926.
Sewing machines. A. G. Mason. 52,076; renewed May 1, 1926.
Sprinklers, Irrigation. Economy Irrigation Company Limited. 214,042; June 8; Serial No. 225,352; published Mar. 30, 1926.
Tools and electrical pole-line construction tools, Logging. Leach Company. 214,035; June 8; Serial No. 206,531; published Mar. 30, 1926.
Well-drilling machines. G. D. Loomis. 56,728; renewed Oct. 16, 1926.
Wrenches. B. O. Wade. 213,997; June 8; Serial No. 215,191; published Sept. 15, 1925.
Wrenches, vises, and pipe cutters. D. M. Bright. 213,998; June 8; Serial No. 214,234; published Aug. 25, 1925.

CLASS 25.

Locks, padlocks, and keys. Miller Lock Company. 56,636; renewed Oct. 9, 1926.
Locks, padlocks, and keys. Miller Lock Company. 56,851; renewed Oct. 23, 1926.

CLASS 26.

Indicating devices for motor boats and aeroplanes. Elgin National Watch Company. 214,057–8; June 8.
Registering the color-wave value or radioactive and radio-emanative value of the human body and the like, Apparatus for. Spectro-Chrome Institute (Incorporated). 213,895; June 8; Serial No. 221,982; published Mar. 30, 1926.
Self-measuring liquid-dispensing valves, cream dispensers, etc. Precision Liquid Dispenser Company. 213,820; June 8; Serial No. 225,676; published Mar. 30, 1926.
Surveying instruments. New York Blue Print Paper Co. 213,903; June 8; Serial No. 193,115; published July 22, 1924.
Weighing scales. Sanitary Scale Company. 213,819; June 8; Serial No. 225,980; published Mar. 30, 1926.

CLASS 27.

Watch movements and watchcases. Louis Manheimer & Bros. 54,835; renewed July 31, 1926.

CLASS 28.

Jewelry for personal adornment, Sterling-silver. Theodore W. Foster & Bro. Co. 52,840; renewed May 22, 1926.

CLASS 29.

Brushes. John L. Whiting-J. J. Adams Company. 213,924; June 8; Serial No. 226,403; published Mar. 30, 1926.
Brushes and daubers for shoe polish, Polishing. American Chemical Manufacturing & Mining Company. 56,223; renewed Sept. 4, 1926.

CLASS 30.

China. Graham & Zenger, Inc. 214,004; June 8; Serial No. 214,153; published Mar. 30, 1926.
Faïence. Grueby Faience and Tile Company. 214,027–8; June 8; Serial Nos. 226,897–8; published Mar. 30, 1926.

CLASS 31.

Filters, automatic sand filters, nonatomizing wash filters, etc., Automatic vacuum. Filtration Engineers Inc. 213,897; June 8; Serial No. 223,028; published Mar. 30, 1926.
Refrigerating apparatus. Lamson Company. 213,926; June 8; Serial No. 226,432; published Mar. 30, 1926.

CLASS 32.

Cabinets, household tables, etc., Kitchen. J. Videtta. 213,857; June 8; Serial No. 225,333; published Mar. 23, 1926.
Desks, Educational. Lewis E. Myers & Company. 214,055; June 8.
Frames, Picture and mirror. Reliance Picture Frame Co. 213,836; June 8; Serial No. 225,380; published Mar. 30, 1926.
Mirrors. Chicago Mirror & Art Glass Co. 213,880; June 8; Serial No. 226,631; published Mar. 23, 1926.
Rocking-chairs, Rockerless. Emmanuel Missionary College. 213,846; June 8; Serial No. 226,238; published Mar. 30, 1926.
Shade rollers. Edstrom-Wetmore-Henderson Corp. 213,868; June 8; Serial No. 212,487; published Mar. 23, 1926.
Tables, chairs, bed springs, kitchen cabinets, footstools, etc. J. H. Zimmerman. 213,841; June 8; Serial No. 220,006; published Mar. 30, 1926.

CLASS 34.

Boilers for steam and water heating systems. Kewanee Boiler Co. 55,483; renewed Aug. 14, 1926.
Boilers, Steam and hot-water. Fitzgibbons Boiler Company. 214,049; June 8.
Heaters, Feed-water. National Pipe Bending Company. 52,871; renewed May 22, 1926.

CLASS 35.

Gaskets. Victor Manufacturing & Gasket Co. 213,823; June 8; Serial No. 225,987; published Mar. 30, 1926.
Inner tubes. India Tire and Rubber Company. 213,881; June 8; Serial No. 227,121; published Mar. 30, 1926.
Tires and inner tubes, Automobile. Phelps Tire & Rubber Company. 213,835; June 8; Serial No. 225,574; published Mar. 30, 1926.
Tires, Rim flaps for. Dexter Rubber Manufacturing Company. 213,816; June 8; Serial No. 225,953; published Mar. 30, 1926.
Tires, Rubber. Goodyear Tire & Rubber Company. 56,752–3; renewed Oct. 16, 1926.
Tires, Rubber. Goodyear Tire & Rubber Company. 56,756; renewed Oct. 16, 1926.

CLASS 36.

Piano players, Automatic. Autopiano Company. 56,003; renewed Aug. 21, 1926.

CLASS 37.

Autographic registers. Carter-Crume Co. Limited. 50,346; renewed Mar. 13, 1926.
Books and paper pads therefor, Duplicate-sales-slip. Carter-Crume Co. Limited. 50,583; renewed Mar. 27, 1926.
Paper, Writing, bond, and ledger. Union Card and Paper Company. 56,779–80; renewed Oct. 16, 1926.
Stencil duplicating machines and parts thereof, Neostyle Company. 54,288; renewed June 26, 1926.

CLASS 38.

Magazine. W. F. T. Bushnell Company. 55,444; renewed Aug. 14, 1926.

CLASS 39.

Apparel, Aviation. A. G. Spalding & Bros. 213,891; June 8; Serial No. 222,485; published Mar. 30, 1926.
Aprons, Sanitary. Samstag & Hilder Bros., Inc. 213,982; June 8; Serial No. 227,423; Mar. 30, 1926.
Boots and shoes, Leather welted. United Shoe Machinery Company. 54,185; renewed June 19, 1926.
Boots, shoes, and slippers, and soles therefor. Nath'l Fisher & Co. 51,149; renewed Apr. 3, 1926.
Clothing. Bond Clothing Company. 214,030; June 8; Serial No. 195,858; published Feb. 3, 1925.
Coats and suits, Men's. C. W. Wolfe. 213,984; June 8; Serial No. 227,618; published Mar. 30, 1926.
Collars and shirts. Cluett, Peabody & Co. Inc. 213,939; June 8; Serial No. 210,353; published June 2, 1925.
Dresses. Chicago Mail Order Company. 214,071; June 8.
Dresses, Silk and rayon. Jorocco Dresses, Inc. 213,812; June 8; Serial No. 225,926; published Mar. 30, 1926.
Frocks. A. Eisenberg Company. 213,919; June 8; Serial No. 226,237; published Mar. 30, 1926.
Gloves, Rubber. Miller Rubber Manufacturing Co. 56,773; renewed Oct. 16, 1926.
Hats, Men's, women's, and children's. Youmans. 54,694–5; renewed June 26, 1926.
Hose supporters. Pioneer Suspender Company. 55,859; renewed Aug. 21, 1926.
Hosiery. E. D. Attix. 213,872; June 8; Serial No. 216,578; published Mar. 30, 1920.
Jackets, sweaters, coats, etc., Knit. Peckham-Foreman Inc. 213,963; June 8; Serial No. 224,927; published Mar. 30, 1926.
Overalls. H. W. Carter & Sons. 50,145; renewed Mar. 6, 1926.
Shirts, collars, and cuffs. New Columbia Shirt Co. 51,594; renewed Apr. 17, 1926.
Shirts, collars, and cuffs. New Columbia Shirt Co. 51,770; renewed Apr. 24, 1926.
Shirts, Dress and negligee. Cluett, Peabody & Co. 213,834; June 8; Serial No. 225,592; published Mar. 30, 1926.
Suits and overcoats. Henry Sonneborn Company. 214,069–70; June 8.
Suits, Boys'. Levinsohn & Levinsohn. 213,867; June 8; Serial No. 209,924; published Mar. 30, 1926.
Underwear, dress shirts, overalls, men's pad garters, hosiery, neckties, etc. K. F. Hardin. 213,813; June 8; Serial No. 225,957; published Mar. 30, 1926.
Waists, dresses, and suits. Rosenbaum Company. 51,537; renewed Apr. 17, 1926.

CLASS 41.

Umbrella frames. Samuel Fox and Company. 53,898–902; renewed June 12, 1926.

CLASS 42.

Carpets, Tapestry Brussels and tapestry velvet. Roxbury Carpet Company. 51,621; renewed Apr. 17, 1926.
Cotton cloth in the bolt. American Wholesale Corporation (Baltimore Bargain House). 214,067; June 8.
Cotton fabric sold as piece goods. Adler Underwear & Hosiery Mfg. Co. 214,002; June 8; Serial No. 226,617; published Mar. 30, 1926.
Cotton piece goods. Brand & Oppenheimer, Incorporated. 214,041; June 8; Serial No. 225,346; published Mar. 30, 1926.
Cotton piece goods. Everett Mills. 52,516; renewed May 8, 1926.
Cotton piece goods. Everett Mills. 52,960; renewed May 22, 1926.
Cotton piece goods. M. Lowenstein & Sons Inc. 213,893; June 8; Serial No. 227,239; published Mar. 30, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 51,684; renewed Apr. 24, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 51,867; renewed Apr. 24, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 51,994; renewed May 1, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 52,154; renewed May 1, 1926.
Cotton piece goods. Massachusetts Cotton Mills. 52,271–2; renewed May 8, 1926.
Cotton piece goods. Tremont & Suffolk Mills. 51,360; renewed Apr. 10, 1926.
Cotton sheetings and drillings, Bleached, brown, and colored. J. L. Salter. 46,903; renewed Oct. 17, 1925.
Cotton sheetings and drillings, Bleached, brown, and colored. J. L. Salter. 47,028; renewed Oct. 17, 1925.
Cotton sheetings and drillings, Bleached, brown, and colored. J. L. Salter. 47,337; renewed Oct. 31, 1925.
Damasks, Bleached, gray, printed, and fancy. Neuss Hesslein & Co. 54,560; renewed June 26, 1926.
Denims. Massachusetts Cotton Mills. 52,578; renewed May 13, 1926.
Denims, Blue. Massachusetts Cotton Mills. 52,579; renewed May 15, 1926.
Knitted fabric, Artificial-silk. N. Halperin. 214,037; June 8; Serial No. 208,704; published Mar. 30, 1926.
Linen goods. F. Anderson. 214,012; June 8; Serial No. 222,297; published Mar. 30, 1926.
Silk and cotton piece fabrics, Mixed. Max Kaufmann & Co. 214,029; June 8; Serial No. 171,175; published Oct. 21, 1924.
Suitings and woven cloth in the piece. J. W. House. 214,003; June 8; Serial No. 226,288; published Mar. 30, 1926.
Textile piece goods of cotton and also of a mixture of cotton and artificial silk. Westerly Textile Company, The. 213,999; June 8; Serial No. 201,634; published Mar. 30, 1926.
Wool, cotton, and silk, Piece goods of. Societe Anonyme Rodier. 214,025; June 8; Serial No. 225,146; published Mar. 30, 1926.
Woolen piece goods. Forstmann & Huffmann Company. 213,877; June 8; Serial No. 221,697; published Nov. 24, 1925.
Woolen piece goods. Forstmann & Huffman Company. 214,009; June 8; Serial No. 220,277; published Mar. 30, 1926.

CLASS 43.

Yarn. Whittier Mills. 56,330; renewed Sept. 11, 1926.
Yarns and sewing threads. Great Lakes Thread and Yarn Co. 213,995; June 8; Serial No. 222,322; published Mar. 30, 1926.
Yarns, Cotton. McConnel & Co. 56,072; renewed Aug. 21, 1926.

CLASS 44.

Dental appliances. J. Homer. 214,011; June 8; Serial No. 222,067; published Mar. 30, 1926.
Nursing-bottle nipples. Davidson Rubber Company. 54,808; renewed July 31, 1926.
X-ray tubes, X-ray equipment, and X-ray oil immersed apparatus. Victor X-Ray Corporation. 213,977; June 8; Serial No. 226,929; published Mar. 30, 1926.

CLASS 45.

Beverage, Orange. G. C. McKellar. 214,052; June 8.
Beverages and sirups and juice for making the same. O. F. Crockett. 214,054; June 8.
Beverages sold as soft drinks and extracts and sirups for making the same. A. Fonyo. 213,972; June 8; Serial No. 226,644; published Mar. 30, 1926.
Beverages sold as soft drinks and sirups and extracts for making the same. Chocolate Products Company. 213,971; June 8; Serial No. 226,633; published Mar. 30, 1926.
Cider. Barrett & Barrett. 53,333; renewed May 29, 1926.
Drinks and sirups for making the same, Nonalcoholic, noncereal, maltless. Massolt Bottling Co. 213,985; June 8; Serial No. 225,792; published Mar. 30, 1926.

CLASS 46.

Apples, Fresh. C. M. Holtzinger Fruit Co. 213,944; June 8; Serial No. 221,610; published Mar. 30, 1926.
Bacon. F. A. Ferris & Company. 56,682; renewed Oct. 16, 1926.
Beans, Fresh. Southern Idaho Bean Growers Association. 213,988; June 8; Serial No. 225,621; published Mar. 30, 1926.
Biscuits known as rusks. Holland Rusk Co. 52,206; renewed May 1, 1926.
Candies. Powell's. 213,967; June 8; Serial No. 224,723; published Mar. 30, 1926.
Candies, Plain cream. Kibbe Brothers Company. 213,947; June 8; Serial No. 223,922; published Mar. 30, 1926.
Candy. Eatmore Candy Co. 213,874; June 8; Serial No. 214,914; published Mar. 30, 1926.
Candy, Fair Play Caramels, Inc. 214,006; June 8; Serial No. 217,212; published Mar. 30, 1926.

Candy. National Candy Company. 213,973; June 8; Serial No. 226,670; published Mar. 30, 1926.
Candy. J. F. Ruby. 213,807; June 8; Serial No. 226,166; published Mar. 30, 1926.
Canned corn and succotash. Saco Valley Canning Co. 54,147; renewed June 19, 1926.
Canned fruit and vegetables and dried fruit. Herbert Packing Co. 213,951; June 8; Serial No. 222,613; published Mar. 30, 1926.
Canned fruits and vegetables. Northern Jobbing Co. 213,942; June 8; Serial No. 221,561; published Mar. 30, 1926.
Canned fruits and vegetables. Sutter Co-Operative Growers. 213,933; June 8; Serial No. 220,688; published Mar. 30, 1926.
Canned tomatoes, beans, and peas. Twin Peaks Canning Co. 214,032; June 8; Serial No. 203,493; published Feb. 3, 1925.
Cheese and buttermilk, and cheese, Coagulators for the manufacture of. Vitalac Corporation. 213,821; June 8; Serial No. 224,221; published Mar. 23, 1926.
Chicks, Baby. New Washington Hatchery Co. 213,940; June 8; Serial No. 206,255; published Mar. 30, 1926.
Citron, canned vegetables, fish, and fruit, Preserved. Downing Taylor Company. 213,934; June 8; Serial No. 219,950; published Mar. 23, 1926.
Coffee. Nash Coffee Company. 213,923; June 8; Serial No. 226,363; published Mar. 30, 1926.
Coffee. Wilson Coffee Company. 213,921; June 8; Serial No. 226,320; published Mar. 30, 1926.
Coffee and tea. Dal-Tex Coffee Co. 213,965; June 8; Serial No. 224,960; Mar. 30, 1926.
Coffee, salad dressing, mayonnaise, etc. Maury-Cole Company. 214,065; June 8.
Extracts, Food-flavoring. Frank E. Harris Co. Inc. 213,825; June 8; Serial No. 224,390; published Mar. 23, 1926.
Flavoring extracts and preparations. Baker Extract Company. 51,116; renewed Apr. 3, 1926.
Flour, Wheat. Tennant & Hoyt. 55,626; renewed Aug. 21, 1926.
Flour, Wheat. Waterloo Milling Company. 52,164; renewed May 1, 1926.
Food product similar to cheese. Pabst Corporation. 213,953; June 8; Serial No. 225,237; published Mar. 23, 1926.
Food, Stock. M. W. Savage. 51,704; renewed Apr. 24, 1926.
Fruits, Dried. Goldenripe Fruits Inc. 213,983; June 8; Serial No. 227,514; published Mar. 30, 1926.
Fruits, vegetables, and cantaloupes. Fresh deciduous. Kunishima Brothers Co. 213,961; June 8; Serial No. 225,195; published Mar. 30, 1926.
Grapefruit, marinated herring, brussels sprouts, etc., Fresh. Durand-McNeil-Horner Co. 213,912; June 8; Serial No. 191,820; published Mar. 23, 1926.
Grapes and peaches, Fresh. Liberty Produce Company. 214,005; June 8; Serial No. 216,347; published Mar. 30, 1926.
Ham and bacon. F. A. Ferris & Company. 56,586; renewed Oct. 9, 1926.
Ice cream. J. A. Pardoe. 213,871; June 8; Serial No. 212,634; published Mar. 23, 1926.
Lard. Armour & Company. 56,864; renewed Oct. 23, 1926.
Lemons, Fresh. Glendora Lemon Growers Association. 213,904; June 8; Serial No. 204,025; published Mar. 30, 1926.
Malt extract. J. Dufek. 213,870; June 8; Serial No. 213,013; published Mar. 23, 1926.
Malt extracts for food purposes. Reliance Malt Products Co. 213,811; June 8; Serial No. 225,880; published Mar. 23, 1926.
Malt sirup for food purposes. Fidelity Hop & Malt Company. 213,809–10; June 8; Serial Nos. 225,878–9; published Mar. 23, 1926.
Meat sausage loaf. Arnold Brothers Inc. 213,969; June 8; Serial No. 224,644; published Mar. 30, 1926.
Meats. E. Godel & Sons. 56,715; renewed Oct. 16, 1926.
Meats, Smoked. F. A. Ferris & Company. 56,516; renewed Oct. 2, 1926.
Meats, Smoked and pickled. F. A. Ferris & Company. 56,717; renewed Oct. 16, 1926.
Milk, Condensed. Michigan Condensed Milk Co. 56,249; renewed Sept. 4, 1926.
Mustard. Charles Gulden, Inc. 214,056; June 8.
Noodles. Zucca's Restaurant, Inc. 213,943; June 8; Serial No. 221,580; published Mar. 23, 1926.
Oranges, lemons, and grapefruit, Fresh. North Whittier Heights Citrus Association. 213,959–60; June 8; Serial Nos. 225,133–4; published Mar. 30, 1926.
Oysters and vegetables, Canned. Shelmore Oyster Products Company. 213,954–5; June 8; Serial Nos. 225,244–5; published Mar. 30, 1926.
Pickles. A. Morse. 213,808; June 8; Serial No. 226,119; published Mar. 23, 1926.
Popcorn, Sugared. Rudolph & Bauer. 214,034; June 8; Serial No. 205,954; published June 2, 1925.
Rusks. Holland Rusk Co. 49,656; renewed Feb. 13, 1926.
Salami and sausage. Western Sausage & Prov. Co. 213,914; June 8; Serial No. 224,438; published Mar. 30, 1926.
Sauce for use on macaroni, spaghetti, and rice. J. L. Bacigalupo. 213,842; June 8; Serial No. 219,162; published Mar. 23, 1926.
Sirup, Malt. Bay City Milling Company. 213,949; June 8; Serial No. 222,813; published Jan. 19, 1926.
Sugar, Cane. J. D. and A. B. Spreckles Securities Company. 213,937; June 8; Serial No. 216,295; published Mar. 23, 1926.
Wheat flour. Farwell & Rhines. 55,264; renewed Aug. 14, 1926.

CLASS 47.

Wine. California Wine Association. 55,663; renewed Aug. 21, 1926.

CLASS 48.

Beer. Pabst Brewing Company. 55,858; renewed Aug. 21, 1926.
Sirup for beverage purposes, Malt. Unity Beverage Company. 213,920; June 8; Serial No. 226,266; published Mar. 30, 1926.

CLASS 49.

Brandy. Jas. Hennessy & Co. 56,588–9; renewed Oct. 9, 1926.
Whisky. Friedman, Keller & Co. 55,287–8; renewed Aug. 14, 1926.

ALPHABETICAL LIST OF LABELS.

Arex. For Coffee. Cultured Coffee Corporation. 30,448; June 8.
Baby Chick Box. For Boxes for Shipping Poultry. Sefton Manufacturing Corporation. 30,466; June 8.
Bayuk Philadelphia Machine Made Cigars. For Cigars. Bayuk Cigars Incorporated. 30,444; June 8.
Bayuk Philadelphia Made Cigars. For Cigars. Bayuk Cigars Incorporated. 30,443; June 8.
Blue Blood. For Oranges. M. J. Zeuzius. 30,471; June 8.
Butterfly. For Fresh Lettuce. L and W Land Company. 30,456; June 8.
Cleanall. For a Cleansing Compound. Cleanall Co. 30,447; June 8.
Dodge's. For Prunes. Mrs. R. Dodge. 30,450; June 8.
Flavoright Oleomargarine. For Oleomargarine. Menasha Printing and Carton Company. 30,462; June 8.
Ginmey Gee Good Chocolates. For Candy. Krygier Drug Stores, Inc. 30,455; June 8.
Green Ribbon. For Cigars. Dillon Cigar Co. 30,449; June 8.
Hagaman's Bonnie Bread. For Bread. A. Hagaman & Company. 30,453; June 8.
Holland House. For Coffee. Geo. F. Wiemann Co. 30,470; June 8.
Home Brew Malt Extract. For Malt Extract. Beardsley Specialty Co. Inc. 30,445; June 8.
Japanese Tissue. For Toilet Paper. Fort Howard Paper Company. 30,452; June 8.
Lion. For Apples. M. L. Kalich. 30,454; June 8.
Long-Boy. For Bread. Menasha Printing and Carton Company. 30,460; June 8.
Mi Carmen. For Cigars. Mueller & Son Co. 30,463; June 8.
Miss Muffet. For Canned Peas. Larsen Company. 30,457; June 8.
100% Union Made Malt and Hops. For Compound of Malt and Hops. J. W. Lux. 30,458; June 8.
Pillole Viros. For a Tonic or Remedy for Anæmia and Debility. S. Viola. 30,468; June 8.
Rainbow. For Candy Cake Bars. C. A. Camp. 30,446; June 8.
Reid's Union Dairy Grade A. Fresh Selected Eggs. For Eggs. Reid Ice Cream Corp. 30,465; June 8.
Rumidor-Humidor. For a Smoker's Article for Flavoring and Moistening Cigars, Cigarettes, and Pipe Tobacco. National Chemical Products Co. Inc. 30,464; June 8.
Society Brand Oleomargarine. For Oleomargarine. Menasha Printing and Carton Company. 30,461; June 8.
Sunray. For Handkerchiefs. Einstein-Wolff Company. 30,451; June 8.
Tin-Apa. For Canned Smoked Sardines. Van Camp Sea Food Co. 30,467; June 8.
Ungwentole. For an Ointment. Lyons-Laeri Co. 30,459; June 8.
Watkins Pie Filler, Copyright, 1925, The J. R. Watkins Co. For Lemon-Pie Filler. J. R. Watkins Company. 30,469; June 8.

ALPHABETICAL LIST OF PRINTS.

A Mark of Hospitality—That Steaming cup of Hills Bros. For Coffee. Hills Bros. 8,881; June 8.
As Bracing as the Wind-Swept Sea. For Coffee. Hills Bros. 8,877; June 8.
Begley's Famous Chile. For Chile. Begley Food Products Co. 8,871; June 8.
Bring Your Briskest Appetite to Breakfast in the West. For Coffee. Hills Bros. 8,873; June 8.
Drink Deeply of its Seal-Brown Depths . . . That Cup of Hills Bros Coffee. For Coffee. Hills Bros. 8,876; June 8.
Every Well-Remembered Cup Brims With Hearty Cheer. For Coffee. Hills Bros. 8,885; June 8.
Just Inhale that Sense-Thrilling Bouquet! For Coffee. Hills Bros. 8,874; June 8.
Lift A Cup . . . And Drink It Down. For Coffee. Hills Bros. 8,884; June 8.
Make Your Overalls Last Longer. For Overalls and Overall Repair Parts. Signal Shirt Company. 8,887; June 8.
Millions Have Answered the Call O' the Cup. For Coffee. Hills Bros. 8,883; June 8.
Pine-Fringed Lakes and Timbered Slopes and Hills Bros Red Can Coffee. For Coffee. Hills Bros. 8,879; June 8.
Prepare Your Child. For Wheat Breakfast Food. Cream of Wheat Co. 8,872; June 8.
2nd Reason for Using the Blue Band Velvet Pencil—No. 124. For Pencils. American Lead Pencil Company. 8,870; June 8.
Set it and Forget it. For Automatic Control Mechanisms for Electric Ranges and Heating and Cooking Apparatus. Walker & Pratt Mfg. Co. 8,890; June 8.
That Tonic Touch of Mountain Air in Every Steaming Cup. For Coffee. Hills Bros. 8,886; June 8.
The Largest Selling Quality Pencil in the World, No. 118. For Lead Pencils. American Lead Pencil Company. 8,868; June 8.
The Largest Selling Quality Pencil in the World, No. 119. For Lead Pencils. American Lead Pencil Company. 8,869; June 8.
There's Heart-Deep Western Welcome in Every Savory Sip. For Coffee. Hills Bros. 8,878; June 8.
They Say Our Hospitality is "Wide as Western Plains." For Coffee. Hills Bros. 8,880; June 8.
Today Only. For Enamel Finish, Oil, Paint, Varnish, and Brushes. T. D. Taylor. 8,889; June 8.
Vent-O-Lok. For a Device Whereby a Window may be Open at Both Top and Bottom and at the Same Time Securely Fastened. Mrs. E. C. Stough. 8,888; June 8.
When Spirits Droop and Bodies Lag . . . . For Coffee. Hills Bros. 8,882; June 8.
Where Hills Bros Coffee Starts the Day—There the West Begins. For Coffee. Hills Bros. 8,775; June 8.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. H. C. Gill. 229,558–9; June 8.
Coal. Linehan & Molo. 229,919–20; June 8.
Coal. Royal Coal Company. 229,821; June 8.
Coal. United States Fuel Company. 210,818; June 8.
Coke. Linehan & Molo. 228,857; June 8.
Hops. E. Clemens Horst Co. 230,159; June 8.
Seed, Grass. T. W. Wood & Sons. 229,315; June 8.
Seeds. Sutton & Sons. 227,922; June 8.
Wood pulp. Stora Kopparbergs Bergslags Aktiebolag. 229,711; June 8.

CLASS 2.

Boxes, Art. Pilliod Lumber Company. 227,681; June 8.
Boxes made of pasteboard, Ornamental. F. G. Cooper. 193,505; June 8.

CLASS 4.

Abrasive cloths and papers. United Hardware & Tool Corporation. 228,010; June 8.
Cleaning compound. L. Y. Clark. 219,058; June 8.
Detergent used in laundering operations. Standard Oil Company (New Jersey). 225,526–8; June 8.
Razor strops. R. R. Edwards. 229,274; June 8.
Washing and cleaning compound. Riodela Chemical Company. 211,707; June 8.

CLASS 5.

Adhesive in the manufacture of paper, Preparation used as. Casein Manufacturing Company. 228,458; June 8.
Tape, Friction. Plymouth Rubber Company. 227,683–4; June 8.

CLASS 6.

Chemical products, compounds, etc. Chemische Fabrik Griesheim-Elektron. 221,806; June 8.
Compound, Stop-leak. H. H. Lichtenstein. 224,610; June 8.
Creosote oil, tar acid oil, disinfectants, etc. Tar Products Corporation. 229,415; June 8.
Depilatory, deodorant, soothing lotion, and dandruff remover. N. E. Shutt. 230,803; June 8.
Dyes. I. Halpern. 230,918; June 8.
Hairdressing. Simbro Laboratories. 229,829; June 8.
Hair grower, temple grower, shampoo, etc. E. Head. 230,240; June 8.
Insecticide. John D. Jordan Vinegar Company. 229,859; June 8.
Laxative chewing gum. Nu-Lax Products Company. 230,563; June 8.
Laxatives. G. M. Tolhurst. 226,790; June 8.
Lotion for chapped hands, face, and lips, etc. J. L. Case. 222,597; June 8.
Medicinal confection. Henry Thayer & Co., Inc. 225,423; June 8.
Medicinal plasters. Duane Remedies Corporation. 214,065; June 8.
Medicine for dogs. Polk Miller Products Corporation. 230,840; June 8.
Medicine in tablet form for internal use. H. E. Storey. 230,954; June 8.
Medicine or pharmaceutical preparation. Eli Lilly & Company. 231,052; June 8.
Oil, tar acid oil, disinfectants, etc., Creosote. Tar Products Corporation. 229,411; June 8.
Oil, tar acid oil, disinfectants, etc., Creosote. Tar Products Corporation. 229,413; June 8.
Ointment, Medicinal. Preventol Laboratories. 230,046; June 8.
Perfumery, extracts, toilet waters, lotions, face powders, and sachet powders. Caron Corporation. 230,870; June 8.
Perfumes and hygiene products. Adolphe Schloss Fils & Cie. 208,432; June 8.
Powder, Flea or insect. Polk Miller Products Corporation. 230,838; June 8.
Powder, paste, enamel, etc., Tooth. Waverly Company. 230,504; June 8.
Powders, face creams, face packs, toilet waters, etc., Face. Leigh Chemist, Inc. 230,830; June 8.
Powders, sachet, talcum and perfumery powders, lip sticks, etc., Face. D. Frank Ryan, Incorporated. 229,006; June 8.
Preparation for rheumatism. Solex Drug Company. 228,837; June 8.
Preparations for the treatment of anæmia, senility, indigestion, etc. Gland Products Company. 220,716; June 8.
Preparations, Hairdressing. A. J. Krank. 230,745; June 8.
Preparations, Toilet. Bourjois, Inc. 230,658; June 8.
Preparations, Toilet. Fallis Inc. 214,469; June 8.
Remedy, Cough. R. V. Wayne. 224,123; June 8.
Salts, Bath. Du-Kana, Inc. 230,662; June 8.
Salts, Bath. J. M. Grelf. 230,666; June 8.
Salts, Bath. J. H. Lawrence. 230,891; June 8.
Snuff, Catarrh. Williams Manufacturing Co. 230,147; June 8.
Tonic, General. Etruria Company. 226,950; June 8.
Tonics, toilet water, hair oils, etc., Hair. Philip H. Warshaw, Inc. 227,925; June 8.
Wax coating composition in liquid form for stitching thread. C. W. Heath. 230,481; June 8.

CLASS 8.

Ash trays, smoking sets, and humidors. Smokerset Co. 212,575; June 8.
Cigars, cigarettes, and pipe tobacco, Moistening and flavoring product used with. National Chemical Products Co. Inc. 230,345; June 8.
Pipes, Tobacco. C. D. Jonas. 228,247; June 8.

CLASS 9.

Matches. Albert Pick & Company. 231,210; June 8.

CLASS 10.

Fertilizers. Lyons Fertilizer Company. 229,743; June 8.

CLASS 11.

Carbon paper. Phillips Ribbon & Carbon Co. Inc. 229,814; June 8.
Inks. Binney & Smith Company. 230,440; June 8.

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CLASS 12.

Casements. Lundell-Eckberg Manufacturing Co. Inc. 228,612; June 8.
Cement, Roof. Tar Products Corporation. 229,601; June 8.
Coal, graphite, core binder, parting, and foundry facing, Sea. Chamberlain Company. 226,127; June 8.
Doors, door frames, window frames, window sashes, etc. El Paso Sash & Door Company. 229,669; June 8.
Lime, Hydrated. Rockland & Rockport Lime Corporation. 230,049; June 8.
Lime, Hydrated. Ste. Genevieve Lime & Quarry Company. 228,504; June 8.
Lumber in strips, sheets, and boards, Artificial. Compo-Board Co. 227,881; June 8.
Roofing construction, metal plates, and an insulated and waterproof covering. Truscon Steel Company. 226,263; June 8.
Stone, Building. Linthicum Stone Corporation. 225,931; June 8.
Stucco and building paper, Magnesite. Winnipeg Roofing Company Limited. 219,465; June 8.

CLASS 13.

Bathroom fixtures, Water-controlled valves for. Ross & Gade Co. 230,123; June 8.
Pipe, Cast-iron. American Cast Iron Pipe Company. 228,350; June 8.
Sprinklers, Lawn. American Display Company. 226,274; June 8.
Wells, Casing for oil and gas. Youngstown Sheet and Tube Company. 230,862–3; June 8.
Wire cloth, chains, and tacks. R. D. Ewell. 225,180; June 8.

CLASS 15.

Fuel for high-compression motors, Liquid. Atlantic Refining Company. 230,437; June 8.
Gasoline, kerosene, and lubricating oils. Emery Manufacturing Company. 228,097; June 8.
Gasoline, kerosene, and petroleum distillate. Monarch Manufacturing Company. 230,755; June 8.
Motor spirits. Chemical Research Syndicate, Ltd. 228,891; June 8.
Oils and greases, Lubricating. Pennant Oil & Grease Co. 226,157; June 8.
Oils, greases, and other products made from petroleum. Imperial Oil Ltd. 228,853; June 8.
Oils, greases, waxes, and similar products. Vacuum Oil Company. 229,886; June 8.
Oils, lubricating greases, etc., Lubricating, illuminating, and fuel. Sherwood Bros. Inc. 228,620; June 8.
Oils, pine oils, and pine-tar oil, Flotation. L. Y. Clark. 227,059; June 8.

CLASS 16.

Colors, Artists'. Reeves & Sons Ltd. 221,770; June 8.
Mediums, size, and varnish for artists' use. Reeves & Sons Ltd. 221,771; June 8.
Paint enamels, lacquers, enamel and lacquer removers, etc. Mirolold Corporation. 211,754; June 8.
Paint, Outside paste and liquid. Keystone Varnish Company. 231,002; June 8.
Paint, Pencils that dissolve into. Lewis E. Myers and Company. 215,752; June 8.
Paint, Waterproofing. Toch Brothers, Incorporated. 228,576; June 8.
Paints for metals. Britton T. and S. P. Day Company. 202,239; June 8.
Paints, paint enamels, varnishes, shellacs, etc. Lehman Bros., Inc. 230,488; June 8.
Paints, Ready-mixed. Paragon Paint & Varnish Company. 225,201; June 8.
Paints, Ready-mixed. United States Gutta Percha Paint Company. 231,172; June 8.
Paints, varnishes, paint enamels, shellacs, stains, etc. Sullivan Paint Company. 230,501; June 8.
Polish for furniture and automobiles. R. Thompson. 226,452; June 8.
Shellac varnish. James B. Day & Co. 228,979; June 8.

CLASS 17.

Cigar clippings. Mendelsohn Company. 229,398; June 8.
Cigars. Cuesta, Rey & Company. 230,089; June 8.
Cigars. Mendelsohn Company. 229,396–7; June 8.
Cigars. M. R. Trebow. 230,199; June 8.
Cigars, cheroots, stogies, tobies, etc. N. Divvens. 229,853; June 8.
Tobacco and cigarettes, Plug. Larus & Brother Co. Incorporated. 215,636; June 8.
Tobacco and cigarettes, Smoking and chewing. American Tobacco Co. 228,290; June 8.

CLASS 19.

Automobile accessories—radiator shutter fronts. Haines Manufacturing Corporation. 225,358; June 8.
Saddles, foot pedals, vehicle springs, etc., Bicycle. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 229,542–3; June 8.
Wagons and parts thereof. International Harvester Company. 227,520; June 8.

CLASS 22.

Dolls, Paper. M. T. Basinger. 229,893; June 8.
Educational paper cut-outs, Kindergarten. M. Kurzene. 228,761; June 8.
Fishing lines. United States Whip Company. 226,576; June 8.
Golf clubs and golf balls. Wilson-Western Sporting Goods Co. 228,076; June 8.
Minnows, Phantom. Enterprise Manufacturing Company. 230,164; June 8.
Sporting goods. Big Store Company. 193,754; June 8.
Toy tricks. R. Sherman. 230,267; June 8.
Toy trunks, wardrobes, vehicles, bowling alleys, etc. N. D. Cass Co. 230,084; June 8.

CLASS 23.

Bit, Drill. M. D. Barker. 221,873; June 8.
Carburetor or intake-manifold attachments for internal-combustion engines. Motor Vitalizer Co. 228,660; June 8.
Drills and reamers, Twist. Whitman & Barnes Manufacturing Company. 223,066; June 8.
Ejectors, Putty. P. C. Dietler. 227,116; June 8.
Fire extinguishers. Flash Fire Extinguisher Co. 227,644; June 8.
Grinding balls. Vitrefrax Company. 228,515; June 8.
Humidifying apparatus and regulators therefor. Parks-Cramer Company. 221,975; June 8.
Logging blocks. Draper Engine Works Co. 212,677; June 8.
Rings, Spinning and twisting Whitin Machine Works. 228,880; June 8.
Sewing machines. New Home Sewing Machine Co. 229,873; June 8.
Typewriting machines and parts thereof. L. C. Smith & Bros. Typewriter, Inc. 220,877; June 8.

CLASS 24.

Laundry nets. American Mills Company. 229,999–230,000; June 8.
Laundry nets. American Mills Company. 230,209; June 8.
Nets, Laundry. American Mills Company. 229,487; June 8.
Washing machines, Electric. Graybar Electric Company. 230,025–7; June 8.

CLASS 29.

Brushes and dusters. Pittsburgh Plate Glass Company, Rennous-Kleinkle Division. 230,195; June 8.
Brushes, Bristle massage. L. Abseck. 228,960; June 8.
Wipers, Windshield. Owen-Dyneto Corporation. 228,621; June 8.

CLASS 31.

Refrigerators. J. D. Kramer. 230,889; June 8.
Refrigerators and refrigerator display cases. J. J. Murphy. 231,009; June 8.

CLASS 32.

Bed springs. Kinney-Rome Company. 163,883; June 8.
Tables, Furniture. H. L. Guth. 210,659; June 8.

CLASS 33.

Glass, glassware, and crystal ware. Manufactures des Glaces & Produits Chemiques de Saint-Gobain, Chauny & Cirey. 229,574; June 8.
Glass globes and shades for electric lamps. J. Mersing. 229,187; June 8.

CLASS 34.

Oil-burning apparatus. Melco Oil Burner Corporation. 229,806; June 8.

CLASS 35.

Belting, Leather. J. E. Rhoads & Sons. 229,984; June 8.
Brake and clutch linings. Small & Parkes Ltd. 229,130; June 8.
Stoppers, basin and sink rubber plugs, etc., Basin and sink. Wolverine Brass Works. 228,165; June 8.

CLASS 37.

Blanks for keeping insurance, policy, and commission records. P. G. Dallwig. 228,978; June 8.
Envelopes, Pay. Universal Typographic Scale Co. 229,422; June 8.
Paper and mailing envelopes, Writing. Strathmore Paper Company. 215,828; June 8.
Paper, Book. Kimberly-Clark Company. 231,003–4; June 8.
Paper, Cover. Strathmore Paper Company. 215,827; June 8.
Paper, Toilet. N. E. Norman. 230,188; June 8.
Paper, translucent paper, coated book paper, box paper, etc., Blank. A. M. Collins Manufacturing Company. 229,502; June 8.

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Pens, Fountain. Washington Rubber Company. 230,433–4; June 8.
Tablets, Writing. Kurtz Bros. 229,971; June 8.

CLASS 38.

Bonds, Negotiable real-estate first-mortgage. Bankers Bond & Mortgage Company. 228,794; June 8.
Periodical, Printed. G. J. Hecht. 228,815; June 8.

CLASS 39.

Bootees, bibs, bonnets, etc., Infants'. Melcher & Landau, Inc. 227,661; June 8.
Boots and shoes. Rice and Hutchins, Incorporated. 230,567; June 8.
Boots and shoes of leather. International Shoe Company. 223,301; June 8.
Caps. Brearley Company. 229,846; June 8.
Caps, Men's and boys'. Fragner Hat Corporation. 230,334; June 8.
Caps, sweater coats, scarfs, leggings, and mittens. Eagle Knitting Mills. 218,055; June 8.
Coast and overcoats, Sack. Stein-Bloch Co. 230,772; June 8.
Coats, vests, trousers, and knickers. W. Kasiner. 229,969; June 8.
Garments, Children's. Inez, Inc. 229,629; June 8.
Girdles, combinettes, bandeaux, etc. American Lady Corset Co. 227,287; June 8.
Girdles, corsets, and textile underwear ensemble. Bromley-Shepard Company. 225,867; June 8.
Hats, Men's. H. Friedman Hat Co. Inc. 229,103; June 8.
Hosiery. Dodge & Seymour, Ltd. 230,912; June 8.
Hosiery. Greenwood Hosiery Mill, Inc. 230,882; June 8.
Hosiery, Infants'. Dixie Hosiery Mills, Inc. 230,820; June 8.
Neckties. Wilson Brothers. 231,024; June 8.
Overalls, jackets, work shirts, dress shirts. Ridenour-Baker Grocery Company. 229,588; June 8.
Shirts, blouses, and jackets, Work, negligee, and sport. Signal Shirt Company. 227,192; June 8.
Shoes. B. A. Corbin & Son Company. 230,725; June 8.
Shoes. Forbush Shoe Company. 229,785; June 8.
Shoes. Hallie Bros. Co. 229,033; June 8.
Shoes. Hurley Shoe Co. 175,355; June 8.
Shoes, boots, and slippers. Curt Wolfelt, Inc. 227,050; June 8.
Shoes, Leather. Dixon-Bartlett Company. 230,286; June 8.
Shoes, Leather. Charles Meis Shoe Company. 229,432; June 8.
Shoes, Women's. Duane Shoe Company. 201,698; June 8.
Shoes, Wood heels for. United Shoe Machinery Corporation. 230,138; June 8.
Slippers or pumps, Heel liners for. Scholl Manufacturing Company. 223,663; June 8.
Slips and bloomers. Marvel Maid Garment Company. 230,751; June 8.
Soles and heels for boots and shoes. Marathon Rubber Company. 221,751; June 8.
Underwear, sweaters, and hosiery, Knitted. Roberts Bros. 229,467; June 8.

CLASS 40.

Combs, Hard-rubber. American Hard Rubber Company. 229,609; June 8.
Combs made of celluloid. S. Kunin. 229,514; June 8.
Cotton, linen, and silk cloth stamped for embroidery. Frederick Herrschner, Inc. 226,589; June 8.
Embroidery, artificial flowers, hair curlers, etc., Articles stamped for. R. H. Rucker. 227,420; June 8.
Flowers, hat trimmings, ribbon bows, and hat ornaments, Artificial. A. W. Maas & Co. 228,918; June 8.
Hairpins. H. H. Waltz. 220,585; June 8.
Needles, Hand sewing. L. Lammertz. 222,038–9; June 8.

CLASS 42.

Cloth, Shade. E. I. du Pont de Nemours and Company. 230,786; June 8.
Cotton, etc., Piece goods of. E. H. Behrens & Co. 230,782; June 8.
Cotton goods in the piece. Wm. Simpson, Sons & Co. 224,479; June 8.
Cotton piece goods. Appleton Company. 226,533; June 8.
Cotton piece goods. Marshall Field & Company. 228,533; June 8.
Cotton piece goods, silk and cotton piece goods, etc. Henry Glass & Co. 228,370; June 8.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 230,517; June 8.
Hair nets. New York Merchandise Company. 229,688; June 8.
Rugs, Textile. Hardwick & Magee Company. 230,737; June 8.
Silk and artificial-silk fabrics. Progressive Knitting Works, Inc. 230,310; June 8.
Silk and cotton piece goods. Claremont Dress Co. 225,997; June 8.
Silk piece goods. J. A. Migel, Inc. 230,637; June 8.
Silk piece goods. E. A. Rieger. 230,845; June 8.
Silk piece goods. Zollinger & Schroth, Inc. 230,606; June 8.
Silks in the piece, Crepe. Klein Brothers. 230,743; June 8.
Woolen piece goods. Forstmann & Huffmann Company. 230,167; June 8.

CLASS 43.

Yarn and Angora yarn. Steinberger Bros., Inc. 231,128; June 8.

CLASS 44.

Drug sundries. S. Bakal & Son, Inc. 226,036; June 8.
Electrical machines for the treatment of gray or faded hair. C. B. Sanford. 228,334; June 8.
Napkins, Sanitary. Venus Corporation. 230,958; June 8.
Therapeutic apparatus, Electrical. E. R. V. Corporation. 227,571; June 8.
Thermometers, Clinical. Taylor Instrument Companies. 219,355; June 8.

CLASS 45.

Beverages, chocolate, cream, and various fruit flavors. Miller Becker Co. 226,857; June 8.
Beverages, Grape-wine flavor. J. A. Mitchell. 228,997; June 8.
Beverages, Noncereal maltless. Joseph Wittman, Inc. 228,986; June 8.
Ginger ale, root beer, sarsaparilla, and various fruit flavors. J. E. Keenan. 228,912; June 8.
Ginger ale, sarsaparilla, root beer, and fruit flavors. Middle River Bottling Co. 229,922; June 8.
Grapefruit and orange juice sold for soft-drink purposes. Texas Citrus Fruit Growers' Exchange. 228,951; June 8.
Orange and lemon juice. G. Gutfreund. 230,238; June 8.
Soft drinks, Fruit flavors for. Charlotte Pepsin–Cola Bottling Co. 230,013; June 8.
Water, Mineral. Capon Springs Company. 228,801; June 8.

CLASS 46.

Beef and eggs, Dried. G. H. Hammond Company. 227,837; June 8.
Candies. I. N. Stiteler. 228,570; June 8.
Candy. Floyd-Paramount, Inc. 230,735; June 8.
Candy. Loft, Incorporated. 213,093; June 8.
Candy. Van Antwerp's Drug Corporation Inc. 227,258; June 8.
Candy, Chocolate-covered. Peloso Bros. 230,350; June 8.
Canned fish and fruit. K. Hovden Co. 227,073; June 8.
Canned fruits, vegetables, etc. Springfield Grocer Company. 227,193; June 8.
Canned fruits, vegetables, soups, corned beef, etc. Rogue River Valley Canning Co. 215,822; June 8.
Canned olives, sandwich filling, and mayonnaise. C. A. Murdock Mfg. Co. 229,577; June 8.
Canned oysters and shrimp. Johnson Canning Company. 221,706; June 8.
Canned shrimp, corn, beans, tomatoes, etc. Roundup Grocery Company. 226,688; June 8.
Canned tomato purée, pork and beans, kraut, etc. Haas-Lieber Grocery Company. 224,968; June 8.
Chicks, Baby. Douglas County Hatchery Company. 230,092; June 8.
Chocolate. Aktiengesellschaft Chocolat Tobler. 230,204–5; June 8.
Chocolate. J. Baron. 230,217; June 8.
Chocolate and mincemeat, Prepared. Wilkes & Seaman Co. 230,146; June 8.
Coffee. Blue Ridge Grocery Company. 230,983; June 8.
Coffee, tea, spices, paprika, etc. Joannes Corporation. 216,184; June 8.
Cookies, cakes, and wafers. Paul Schulze Biscuit Co. 222,954; June 8.
Eggs. Steinhardt & Kelly Inc. 228,784; June 8.
Extracts, Food-flavoring. Davis Manufacturing Company. 229,667; June 8.
Extracts for food purposes, Flavoring. H. Kohnstamm & Co. 230,454; June 8.
Flour, Pancake. Hankey Milling Co. (Inc.) 225,305; June 8.
Flour, Wheat. Hunt Bros. Milling Co. 230,396; June 8.
Flour, Wheat. A. B. Katzin. 225,363; June 8.
Food, Breakfast. A. J. Webster. 225,387; June 8.
Food-flavoring extracts. C. Nielsen. 229,874; June 8.
Food, Poultry. Sperry Flour Co. 230,131; June 8.
Fruit, Fresh citrous. Magnolia Citrus Association. 223,967; June 8.
Grapes, Fresh. E. M. Crawford. 212,892; June 8.
Ham, bacon, beef, canned pork, and beans, etc., Cured. Beech-Nut Packing Company. 228,966–7; June 8.
Jellies and jams, Fruit. Elizabeth Mae Food Products Corp. 230,731; June 8.

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Macaroon confection, Chocolate-coated. Harding Hotel Company. 226,000; June 8.
Malt sirup for food purposes. Satisfaction Coffee Co. 229,826; June 8.
Malt sirup for food purposes. W. York. 227,432; June 8.
Oil, Olive. Giuffre & Restivo. 221,112; June 8.
Oleomargarine. John F. Jelke Company. 229,917; June 8.
Peanut products. O. K. Jelks & Son. 216,541; June 8.
Pickles. W. & W. Pickle and Canning Company. 230,699–700; June 8.
Pickles, mustard, catchup, jellies, jams, etc. Squire Dingee Company. 228,208; June 8.
Potatoes. L. Wilder. 226,756; June 8.
Poultry, baby chicks, and eggs, Live. O. A. Carter. 227,826; June 8.
Salad dressing. Hirsch Bros. & Co. 210,845; June 8.
Sandwiches. J. Levine. 228,322; June 8.
Sirup, Cane. Alabama-Georgia Syrup Company. 230,648; June 8.

CLASS 50.

Shoe forms. Shoe Form Co. 228,834; June 8.
Stretcher, Shoe. United Shoe Machinery Corporation. 230,144; June 8

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abreu, Raul B., Newark, N. J. Accelerator for automobile engines. 1,587,624; June 8.
Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-winding mechanism. 1,587,998; June 8.
Adams, Clarence F., Dayton, Ohio. Gas-manufacturing machine. 1,588,153; June 8.
Adams, J. D., & Company. (See Adams, Joseph D. and R. E., assignors.)
Adams, Joseph D., deceased, and R. E. Adams; R. E. and W. R. Adams, executors, assignors, by mesne assignments, to J. D. Adams & Company, Indianapolis, Ind. Road maintainer. 1,587,625; June 8.
Adams, Julius F., deceased, Pittsburgh, Pa.; A. Lauer, administratrix. Gas heater. Des. 70,308; June 8.
Adams, Roy E. (See Adams, Joseph D. and R. E.)
Adams, Roy E., et al., executors. (See Adams, Joseph D. and R. E.)
Adams, William R., et al., executors. (See Adams, Joseph D. and R. E.)
Air Reduction Company. (See Metzger, Floyd J., assignor.)
Aktiebolaget Vaporackumulator. (See Ruths, Johannes, assignor.)
Albrecht, Emil, Kiel, Germany. Sinking boreholes. 1,588,154; June 8.
Allen, Horace R., and C. E. Pearson, assignor of one-third to J. J. Martin, Indianapolis, Ind. Vehicle shock absorber. 1,587,575; June 8.
Alloys Foundry Company. (See Spitzley, R. L., and Thompson, assignors.)
Alpers, Fred W., Muskegon, Mich. Polishing compound. 1,588,290; June 8.
Althausen, Johan J., Evansville, Ind. Rat trap. 1,587,494; June 8.
Altieri, Emilio, New York, N. Y. Shoe last. 1,587,496; June 8.
Amalgamated Dental Company Limited, The. (See Gutteridge, Samuel A., assignor.)
American Can Company. (See Miller, George F., assignor.)
American Chain Company. (See Goetz, Oscar H., assignor.)
American Clay Products Company. (See Fitz, Arthur V. A., assignor.)
American Laundry Machinery Company, The. (See Benjamin, Dana H., assignor.)
American Safety Equipment Corporation. (See Olson, Carl W., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Smith, Roy H., assignor.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
American Tobacco Company, The. (See Mower, Arthur C., assignor.)
American Warehouse Corp. (See Benedict, George H., assignor.)
Andel, Frank J., Cleveland, Ohio. Brake-equalizing attachment for automobiles. 1,587,999; June 8.
Anderson, Carl G. H., St. Louis, Mo. Electrical regulator. 1,588,155; June 8.
Anderson, Clifton R. (See Farris, Grover C., assignor.)
Anderson, Ernest D., New York, N. Y. Packing machine. 1,588,156; June 8.
Anderson, Ivan, Sacramento, Calif. Music stand. 1,587,741; June 8.
Anderson, William D. (See Smith, F. R., and Anderson.)
Andes Range and Furnace Corp. (See Frautz, Charles C., assignor.)
Ando, Joseph, Shelton, Conn. Window lock. 1,587,497; June 8.
Annin & Co. (See Chandler, Digby W., assignor.)
Apfel, Philip F., Seattle, Wash. Combined electric range and water heater. 1,588,084; June 8.
Arienta, John S., Seattle, Wash. Tire rim. 1,588,220; June 8.
Arnold, Frank K., Keene, N. H. Wrapping machine. 1,587,495; June 8.
Atlantic Refining Company, The. (See Johansen, Ernst M., assignor.)
Attlcks, George M., Lemoyne, Pa., assignor of one-half to Manbeck Baking Company. Dough-ball-spacing machine. 1,588,085; June 8.
Austin, Atwell, and D. Wilson, Lansing, Kans. Safety device for grade crossings. 1,588,291; June 8.
Automatic Lock and Closer Company. (See Hill, John T., assignor.)
Avery, Edward S., East Hampton, N. Y. Rubber-coated metal and method of production. 1,587,742; June 8.
Bader, Herbert, Vienna, Austria. Apparatus for making threads and the like of artificial silk. 1,588,292; June 8.
Bagley, Glen D., Flushing, N. Y., assignor to Electro Metallurgical Company. Spark-gap apparatus. 1,587,932; June 8.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,587,626; June 8.
Bailey, Pinkney P., assignor of one-half to L. W. Dennison, Marshfield, Oreg. Headrest. 1,588,293; June 8.
Baker, Walter C., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Gauging mechanism and method of using the same. 1,587,743; June 8.
Baldwin, James P., Los Angeles, Calif. Fitting for shock absorbers. 1,588,086; June 8.
Baldwin Locomotive Works, The. (See Neebe, Lawrence L., assignor.)
Ball, Horace D., and L. S. Carr, Beloit, Wis. Signal for vehicles. 1,587,627; June 8.
Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading-coil case. 1,587,744; June 8.
Barber, Walter H., Stoneham, Mass., assignor to Submarine Signal Company, Portland, Me. Hydrophone. 1,587,890; June 8.
Barkelew, James T., near Pasadena, and W. L. Connor, assignors to Famous Players Lasky Corporation, Los Angeles, Calif. Machine for coloring motion-picture films. 1,587,745; June 8.
Barme, Friedrich, Elberfeld, Germany. Process and apparatus for the production of double-wall tubes. 1,587,933; June 8.
Barton, Theophilus F., Schenectady, N. Y., assignor to General Electric Company. Rotary transformer. 1,588,398; June 8.
Basmaison, Pierre, San Francisco, Calif. Bit. 1,587,746; June 8.
Barnes, James W., Cleveland, Tenn. Snubber. 1,588,294; June 8.
Barr, Herman H., Norfolk, Va. Finger ring or similar article. Des. 70,309; June 8.
Barr, William J., Newport News, Va. Automobile truck-body construction. 1,588,000; June 8.
Bartlett, Gail M., Detroit, Mich. Funnel attachment for pails. 1,587,934; June 8.
Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,587,628; June 8.
Bates, James F., Belmont, Wellington, New Zealand. Carburetor. 1,587,629; June 8.
Bauersfeld, Walther, assignor to Firm of Carl Zeiss, Jena, Germany. Making mark plates for micrometer oculars and mounting of the same. 1,588,221; June 8.
Beach, Chester H., assignor, by mesne assignments, to S. C. Johnson & Son, Racine, Wis. Floor-polishing machine. 1,588,157; June 8.
Beach, Frederick E., assignor to Pines Winterfront Company, Chicago, Ill. Spare-tire lock. 1,587,498; June 8.
Beck, Morris W., Dorchester, Mass. Garment. 1,587,576; June 8.
Becker, Louis, Paris, France. Bottle. Des. 70,310; June 8.
Becker, Rudolph, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Machine for making hat linings. 1,588,001; June 8.
Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
Beitel, William J., assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire mold. 1,587,577; June 8.
Beland, Edith M., Nashua, and H. J. Beland, Franklin, N. H. Attachment for sinks. 1,587,693; June 8.
Beland, Henry J. (See Beland, Edith M. and H. J.)
Bell & Howell Company. (See Howell, Albert S., assignor.)
Bell, William A. J. (See Fleck, Herman, assignor.)
Benda, Ludwig, Mainkur, near Frankfort-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hydroxy benzoylamino-benzenearsonic acids and making the same. 1,588,381; June 8.

Benda, Ludwig, Mainkur, near Frankfort-on-the-Main, and W. Schmidt, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft. N-acyl derivatives of 5-amino-3-chloro-4-hydroxybenzene-1-arsonic acid. 1,588,382; June 8.

Benedict, George H., assignor, by mesne assignments, to American Warehouse Corp., Washington, D. C. Egg-preserving apparatus. 1,587,499; June 8.

Benjamin, Dana H., Cleveland Heights, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Negligee-shirt press. 1,587,747; June 8.

Benjamin Electric Manufacturing Company. (See Benjamin, R. B., and Harris, assignors.)

Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)

Benjamin, Reuben B., Chicago, Ill., and T. H. Harris, Dayton, Ohio, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Outlet fitting. 1,587,748; June 8.

Benjamin, Virginia S., Washington, D. C., assignor of one-half to C. L. Hill, District of Columbia. Plaque. Des. 70,311; June 8.

Benner, Henry W. (See Kaemmerling, G. H., and Benner.)

Berkowitz, Max, Richmond Hill, N. Y. Hand-bag construction. 1,587,891; June 8.

Berman, Jacob, Revere, Mass. Collapsible platform scaffold ladder. 1,588,295; June 8.

Berry, Frank, Yakima, Wash. Tent frame. 1,588,391; June 8.

Bessolo, William L., Clearwater, Calif. Safety tie for tongs. 1,587,892; June 8.

Bierly, Albert S., Chicago, Ill. Propulsive-spring foot support. 1,587,749; June 8.

Billingsley, Arthur E., Hadleigh, England. Warning device for use with electrically-controlled machinery. 1,588,087; June 8.

Birt, Rodger A., Beloit, assignor of one-half to L. L. Ensign, Sylvan Grove, Kans. Clothes drainer. 1,588,296; June 8.

Bishop, Earl H., Butler, Pa. End connecter for chains. 1,588,002; June 8.

Blache, Hans H., Copenhagen, Denmark. Diesel motor. 1,587,578; June 8.

Blackman, Roy C., West Park, Ohio. Concrete construction. 1,587,500; June 8.

Blaine, Joseph R., and C. Henderson, assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet-register detector. 1,587,501; June 8.

Blaine, Joseph R., Oak Park, and A. G. Jacobson, assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Cylinder-trip mechanism. 1,587,502; June 8.

Blatt, Harold J., et al. (See Haine, Joseph A., assignor.)

Bleecker, Warren E., Boulder, Colo. Impervious material and making the same. 1,587,750; June 8.

Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread-hobbing machine. 1,588,003; June 8.

Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Control system. 1,588,004; June 8.

Blum, Charles, Suresnes, France. Nonslipping device for vehicle wheels. 1,587,814; June 8.

Bons, André, assignor to The Société Anonyme des Engrenages Citroen, Paris, France. Apparatus for use in mounting slotting and like tools. 1,587,815; June 8.

Boehm, Henry M., Minneapolis, Minn. Carton. Des. 70,312; June 8.

Boehm, N. A., (See Dearmann, James, assignor.)

Bohlman, Ernest A., Chicago, and E. J. Nielsen, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,588,158; June 8.

Bolgiano, John F., Dayton, Ohio. Adjustable idler structure. 1,588,159; June 8.

Bolton, Archer L., North Andover, Mass. Tightening means for Jordan shell linings. 1,588,297; June 8.

Bolton, Wright, jr., New Bedford, Mass. Edge-winding compressor for winders. 1,587,503; June 8.

Bond, Edward S., Birmingham, England. Machine for making wire netting. 1,588,088; June 8.

Bond Foundry & Machine Company. (See Bowen, James, assignor.)

Bonney, George C. (See MacBride, G. W., and Bonney.)

Booksh, George W., jr., Sherburne, La. Dehydrating plant. 1,588,298; June 8.

Boone, Paul H., and G. E. Garner, Phoenix, Ariz. Land leveler and scraper. 1,588,005; June 8.

Boorum & Pease Company. (See Harton, Jefferson A. G., assignor.)

Booty, Philip C. P., Chicago, assignor by mesne assignments, to L. W. Fricke, Oak Park, Ill. Polishing-implement and polishing strip therefor. 1,588,160; June 8.

Bost, James H., Charlotte, N. C. Metal frame for window screens. 1,588,161; June 8.

Boucher, Alexander, Dedham, Mass. Index. 1,588,299; June 8.

Bowen, James, assignor to Bond Foundry & Machine Company, Manheim, Pa. Caster. 1,588,300; June 8.

Bowers, Frederick M., Chester, Pa. Welder's helmet. 1,587,893; June 8.

Boyce, William S., Chicago, Ill. Tie plate. 1,587,751; June 8.

Bradbury, Burke, Schenectady, N. Y., assignor to General Electric Company. Transformer. 1,588,162; June 8.

Bradley Washfountain Co. (See Heine, Herman E., assignor.)

Branchen, Leonard E., assignor to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity characteristics of nitrocellulose. 1,588,089; June 8.

Brandes Laboratories, Inc. (See White, C. D., Stevenson, and Moss, assignors.)

Brandt, Fred O., et al. (See Kelley, Charles E., assignor.)

Brandt, Luther, Bay Village, assignor, by mesne assignments, to V. J. Harris, Cleveland, Ohio. Expansion wrist pin. 1,587,752; June 8.

Brannon, Herbert E. (See Weinberg, L. C., and Brannon.)

Bray, Thomas T., assignor of one-half to O. Frensley and G. F. Womack, Duncan, Okla. Hose clamp. 1,588,301; June 8.

Braze, J. J., Co. (See Levitan, Nathan A., assignor.)

Brendle, Julius, Zurich, Switzerland. Workman's time recorder. 1,588,090; June 8.

Bretsnyder, William, Chicago, Ill. Bath brush. 1,587,753; June 8.

Brewer-Titchener Corporation. (See Wenn, Floyd D., assignor.)

Briggs, Elmer L., executor. (See Cordino, Dominick.)

Brinkerhoff, Josiah, et al. (See Walter, Ira D., assignor.)

Brinley, Ottis R., Pontiac, Mich. Bushing means. 1,587,504; June 8.

Briscoe, Herman T. (See Mathers, F. C., and Briscoe.)

British Lighting and Ignition Company, The. (See Hutton, J. C., and Whitehouse, assignors.)

Britton, Claude O., Aurora, Ill. Figure toy. 1,588,006; June 8.

Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet-feeding apparatus. 1,587,816; June 8.

Bronk, Fay E., and G. R. Fessenden, assignor to North East Electric Company, Rochester, N. Y. Drive mechanism. 1,587,894; June 8.

Brookins, Andrew J., Chicago, Ill. Pneumatic impulse relay. 1,587,817; June 8.

Brooks, Frank, Donaldsonville, La. Ant trap. 1,588,302; June 8.

Broski, John W., H. L. Harvey, and C. S. Riner, Richmond, Va. Piston for internal-combustion engines. 1,588,303; June 8.

Brown, Arthur J. (See Weiss, O. J., and Brown.)

Brown Company. (See Richter, G. A., and Swasey, assignors.)

Brown, O. J., et al. (See Seguine, Guy A., assignor.)

Brown-Package Company, The. (See Brown, William H., assignor.)

Brown, Thomas C., Plevna, Ala. Peanut plow. 1,587,694; June 8.

Brown, William H., assignor to The Brown Package Company, Winchendon, Mass. Stave machine. 1,588,345; June 8.

Brown, William W., Oak Lane, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Dyeing machine. 1,587,818; June 8.

Brownlow, William, Lawndale, Pa. Attachment for brine tanks. 1,588,163; June 8.

Brownrigg, Abel L., East Orange, N. J., assignor to F. R. Brydle, Jamaica, N. Y. Composition shingle. 1,588,304; June 8.

Broyles, John E., Coco Solo, Canal Zone, assignor of one-half to H. E. Robertson and T. H. Weiler, Russellville, Mo. Superairship. 1,587,895; June 8.

Brune, Louis J., sr. New Orleans, La. Car seal. 1,587,754; June 8.

Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,587,935; June 8.

Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,587,936; June 8.

Brunhoff Manufacturing Company, The. (See Brunhoff, Edward, assignor.)

Brunner, Josef, Vienna, and E. Scheele, Brunn-am-Gebirge, Austria. Preserving articles. 1,588,164; June 8.

Brush, Frederick F., Los Angeles, Calif., assignor to Elevator Safety Appliance Company. Electrically-operated elevator-door control. 1,588,007; June 8.

Brydle, Fenton R. (See Brownrigg, Abel L., assignor.)

Buckingham Floating Hub Company Proprietary Limited. (See Buckingham, John T., assignor.)

Buckingham, John T., assignor Buckingham Floating Hub Company Proprietary, Limited, Mildura, Australia. Resilient wheel. 1,587,819; June 8.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Buhl Stamping Company. (See Comp, Charles A., assignor.)

Buisson, Eugène, assignor to Société Anonyme Francaise du Ferodo, Paris, France. Disk clutch. 1,588,305; June 8.

Bulla, Daniel R., Sophia, N. C. Sputum-cup holder. 1,587,937; June 8.

Burch, Ray W., Fort Lauderdale, Fla. Dental articulator. 1,588,091; June 8.

Burchess, Herman, New York, N. Y. Bag frame. 1,588,165; June 8.

Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Forming cushion tires. 1,588,008; June 8.

Burdin, Grover W., and M. J. Landry, St. Martinsville, La. Cane cultivator. 1,588,306; June 8.

Burks, Arthur W., Decatur, Ill., assignor, by mesne assignments, to The Deming Company, Salem, Ohio. Power-transmitting mechanism. 1,588,009; June 8.

Bustamante, César, assignor to Super Production Machinery Corporation, New York, N. Y. Match-book machine. 1,587,755; June 8.

Butterworth, Harry W., jr., Philadephia, Pa., assignor to H. W. Butterworth & Sons Company. Tentering machine. 1,587,896; June 8.

Butterworth, H. W., & Sons Company. (See Butterworth, Harry W., jr., assignor.)

Buxton Incorporated. (See Buxton, Warner R., assignor.)

Buxton, Warner R., Longmeadow, assignor to Buxton Incorporated, Springfield, Mass. Key case. 1,588,010; June 8.

C. and C. Developing Company. (See Cherry, Louis B., assignor.)

Cailloux, Leon L. and L., Montreal, Quebec, Canada. Composition for the making of hygienic, nonslipping, and nonsonorous floorings. 1,587,938; June 8.

Cailloux, Louis. (See Cailloux, Leon L. and L.)

California Cedar Products Company. (See Makowski, John F., assignor.)

Calkins, Addison N., assignor to Electric Wheel Company, Quincy, Ill. Tractor. 1,587,756; June 8.

Calumet Engineering Corporation. (See Linton, Ernest O., assignor.)

Cameron, Will J., Chicago, Ill. Speculum. 1,587,897; June 8.

Caminez, Harold, Dayton, Ohio. Hydraulic clutch. 1,588,166; June 8.

Cammack, Robert W., Whittier, Calif. Dental floss holder. 1,588,307; June 8.

Campbell, Harry S., Dayton, Ohio. Curtain fastener. 1,588,092; June 8.

Campbell, Matthew D., Roxbury, Mass. Insect catcher. 1,587,898; June 8.

Campbell, Thomas P., Denver, Colo. Purification of zinc solutions. 1,587,695; June 8.

Campbell, William C., Seattle, Wash., assignor to F. Kopejtko, St. Louis, Mo. Washable insole for shoes. 1,588,011; June 8.

Canstatter Misch- & Knetmaschinen-Fabrik Cannstatter Dampf-Backofen-Fabrik Werner & Pfleiderer. (See Lasch, A., and Kircher, assignors.)

Caps, John E., Wilmette, Ill. Clothespress attachment. 1,588,167; June 8.

Carbide & Carbon Chemicals Corporation. (See Lommen, Fred W., assignor.)

Carlson, Clifford G., Jamestown, N. Y. Medicine cabinet. 1,588,093; June 8.

Carlson, Edmund B., Brooklyn, N. Y. Automobile lock. 1,587,757; June 8.

Carr, Leonard S. (See Ball, H. D., and Carr.)

Carrie, James, Butler, Pa., assignor of one-third to C. Grice, Passaic, N. J., and one-third to W. D. Sawyer, Milwaukee, Wis. Plate-glass holder. 1,588,012; June 8.

Carroll, Robert A., West Finley, and H. L. Elliott, Washington, assignors of one-third to J. Y. Elliott, Buffalo Township, Pa. Motor fuel. 1,587,899; June 8.

Carter, Alva J., assignor to Carter Radio Company, Chicago, Ill. Electrostatic condenser. 1,587,696; June 8.

Carter, Bernard J., Kissimmee, Fla. Clamp. 1,587,820; June 8.

Carter Radio Company. (See Carter, Alva J., assignor.)

Case Research Laboratory, Incorporated. (See Case, Theodore, W., assignor.)

Case, Theodore W., Auburn, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Microphone. 1,588,168; June 8.

Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Microphone. 1,588,169; June 8.

Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Method and apparatus for translating sound-wave variations. 1,588,170; June 8, 1926.

Chadwick, Lee S., Shaker Heights Village, assignor to Perfection Stove Company, by change of name, Cleveland, Ohio. Stove. Des. 70,313; June 8.

Chadwick, Lee S., Shaker Heights Village, assignor to Perfection Stove Company, by change of name, Cleveland, Ohio. Stove. Des. 70,314; June 8.

Chadwick, Ralph H., Fort Wayne Ind. assignor to General Electric Company. Transformer. 1,588,171; June 8.

Chain Belt Company. (See Shafer, S., jr., and Reuss, assignors.)

Chambers, Willie L., assignor to William H. Hoegee Co., Inc., Los Angeles, Calif. Fruit-picker's bag. 1,588,094; June 8.

Chandler, Digby W., assignor to Annin & Co., New York, N. Y. Doll. Des. 70,315; June 8.

Chapman, Ralph W., assignor to T. M. Chapman's Sons' Co., Oldtown, Me. Electric therapeutic device. 1,587,505; June 8.

Chapman Valve Manufacturing Company. (See Smith, Emory T., assignor.)

Chapman's, T. M., Sons' Co. (See Chapman, Ralph W., assignor.)

Charaway, Frederick, Piqua, Ohio. Golf club. 1,587,758; June 8.

Charlton, Emanuel T., London, Ontario, Canada. Route map and the like. 1,587,506; June 8.

Chemische Fabrik auf Actien vorm. E. Schering. (See Schoeller, W., and Schmidt, assignors.)

Chemische Fabrik Griesheim-Elektron. (See Reyher, Rudolf, assignor.)

Cherry, Louis B., assignor, by mesne assignments, to C. and C. Developing Company, Kansas City, Mo. Treating hydrocarbons and oils. 1,588,308; June 8.

Chicago Pneumatic Tool Company. (See Smith, William A., assignor.)

Christensen, Anders, Wilson, and A. W. Warsen, Hartford, Conn., assignors of two-thirds to said Christensen and of one-third to said Warsen. Thinning-out and weeding machine. 1,588,309; June 8.

Christensen Machine Company, The. (See Christensen, Martin, assignor.)

Christensen, Martin, Elmhurst, Ill., assignor to The Christensen Machine Company, Racine, Wis. Book-delivery mechanism. 1,587,759; June 8.

Church, Frank E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighbeam. 1,587,630; June 8.

Church, Harold D., Fairfield, Conn., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,587,579; June 8.

Church, Maynard D., Hartford, Conn. Relay device. 1,587,507; June 8.

Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Heel for women's shoes and method of making. 1,587,697; June 8.

Clark, Edgar R., Pittsburgh, Pa., assignor to M. S. Erlanger, New York, N. Y. Extraction of cellulose. 1,587,631; June 8.

Clark, Frank W. (See Travers, M. W., and Clark.)

Bretos y Claveria, Manuel, Santiago, Cuba. Bolt for corrugated doors. 1,587,939; June 8.

Bretos y Claveria, Manuel, Santiago, Cuba. Folding door. 1,587,940; June 8.

Cloakey, Oral D., and E. R. Tamblin, Los Angeles, Calif. Cigarette holder. Des. 70,316; June 8.

Coats, Ira E., Coppell, Tex. Cotton-picker's knee pad. 1,587,508; June 8.

Coblentz, Louis J., assignor to Leon Weil, Inc., New York, N. Y. Lady's slipper or similar article. Des. 70,317; June 8.

Cochran, Joseph E., Memphis, Tenn., assignor of one-half to E. T. Crawford, Charleston, W. Va. Molding artificial stones with inscriptions. 1,587,698; June 8.

Cochrane Corporation. (See McNeil, Russell S., assignor.)

Comp, Charles A., assignor to Buhl Stamping Company, Detroit, Mich. Can-sealing closure. 1,588,392; June 8.

Compagnie d'Applicatoines Mecaniques. (See Rouanet, Louis, assignor.)

Compagnie du Boleo. (See Morse, Harry W., assignor.)

Conklin, Andrew J. (See Conklin, Charles R., assignor.)

Conklin, Charles R., assignor of forty-eight one-hundredths to A. J. Conklin, Springfield, Mo. Bolt and nut lock. 1,588,310; June 8.

Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Electric motor. 1,587,760; June 8.

Connor, William L. (See Barkelew, J. T., and Connor.)

Consolidated Expanded Metal Companies. (See Redding, Edward T., assignor.)

Conti, Eugene. (See Herz, A., and Conti.)

Convertible Wagon Trailers, Inc. (See Cooke, William H., assignor.)

Cooke, William H., Toronto, Ontario, Canada, assignor, by mesne assignments, to Convertible Wagon Trailers, Inc., Buffalo, N. Y. Dumping wagon. 1,588,311; June 8.

Copper Plate Sheet & Tube Company. (See Watkins, William E., assignor.)

Corbin, Henry P. (See Howard, O. W., and Corbin.)

Corbin, Henry P. (See Seaholm, J. P., and Corbin.)

Cordino, Dominick, deceased, Plymouth, Mass.; E. L. Briggs, executor. Making metal castings. 1,587,900; June 8.

Cordino, Dominick, deceased, Plymouth, Mass.; E. L. Briggs, executor. Metal casting. 1,587,901; June 8.

Cossey, John C. G. (See Mitchell, J., and Cossey.)

Courvoisier, Henri. (See Jentzer, A., and Courvoisier.)

Coutant, George E., Decatur, Ill. Center mount for car buffers. 1,587,509; June 8.

Cox, Rose E., Oroville, Calif. Gauge connection. 1,588,312; June 8.

Crawford, Edgar J., assignor of four-sixths to M. Taylor and one-sixth to F. Wettrick, Seattle, Wash. Slug-proof vending machine. 1,587,902; June 8.

Crawford, Ellis T. (See Cochran, Joseph E., assignor.)

Crocker, Raymond T., Berkeley, Calif. Belt buckle. 1,588,172; June 8.

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Livesey, John, assignor.)
Crompton & Knowles Loom Works. (See McCleary, William E., assignor.)
Crompton, George J. (See Crompton, Randolph and G., jr.)
Crompton, Randolph and G., jr., Worcester, Mass. Weft-replenishing loom. 1,587,903; June 8.
Cube Teapots Limited. (See Johnson, Robert C., assignor.)
Culver, Albert V., Frankfort, Ind. Furnace. 1,588,313; June 8.
Cummer, Frederick H., Los Angeles, Calif. Drier for road materials. 1,587,761; June 8.
Cumming, Robert, Toronto, Ontario, Canada. Loose-leaf binder. 1,588,314; June 8.
Cummings, David F., Newton, assignor, to Turf Trend Corporation, Boston, Mass. Insole for shoes. 1,588,173; June 8.
Cunnington, George R., Akron, assignor to The Paine-Cunnington Company, Cleveland, Ohio. Shield for auto wheels. 1,587,762; June 8.
Curtis, Charles H., East Smethport, Pa. Bull-rope trip. 1,588,095; June 8.
Curve-Lite Corporation. (See Reymond, Roger, assignor.)
Dall'este, Michel A. (See Eymael, A., and Dall'este.)
Dallmann Machine & Mfg. Co. (See Dallmann, Paul O., assignor.)
Dallmann, Paul O., assignor to Dallman Machine & Mfg. Co., Milwaukee, Wis. Belt-pulley clutch control. 1,588,013; June 8.
Daizell, Harold E., Eynsham, England. Liquid-fuel burner. 1,588,315; June 8.
Daniels, Rupert B., Adams, Mass. Method and apparatus for making paper. 1,587,699; June 8.
Daniels, Rupert B., Adams, Mass. Making paper. 1,587,700; June 8.
Danville Motor Company. (See Lipps, R. A., and Hatchett, assignors.)
Darcissac, Marcel P., Paris, France. Articulator. 1,587,821; June 8.
Davidson, Joseph J., St. Louis, Mo. Coal conveyer. 1,587,510; June 8.
Davis, George R. Cleveland, Ohio. Centrifugal drier. 1,588,014; June 8.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Picker-stick motion for looms. 1,587,632; June 8.
Davis, Mary I. (See Davis, Squire E., assignor.)
Davis, Squire E., assignor to M. I. Davis, New Albany, Ind. Drawing device. 1,588,316; June 8.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Coat. Des. 70,318. June 8.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 70,319; June 8.
Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
Dearmann, James, assignor to N. A. Boehm, Milwaukee, Wis. Oil-level indicator. 1,588,015; June 8.
De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,587,511; June 8.
De Catur, James, Lock Haven, Pa. Railway-tie construction. 1,588,317; June 8.
De Grahl, Gustav, Berlin-Zehlendorf-West, Germany. Flap door for locomotive furnaces and the like. 1,587,822; June 8.
De Jute, Frank. (See Gentile, P., and De Jute.)
De La Mare, Thomas, Tooele, Utah. Repairing water pipes. 1,587,701; June 8.
De Minico, Charles, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,587,823; June 8.
Delaney, William L. (See Ross, Joseph A., assignor.)
Delco-Light Company. (See King, Jesse G., assignor.)
Deming Company, The. (See Burks, Arthur W., assignor.)
De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Film-inspecting machine. 1,588,096; June 8.
Dennis, William J., Chicago, Ill. Weather strip. 1,587,633; June 8.
Dennison, Leve W. (See Bailey, Pinkney P., assignor.)
De Smet, Lieven L., Fair Lawn, N. J. Combined dot and flat cloth printing machine. 1,588,318; June 8.
De Wagner, Pierre B., Paris, France. Bottle. Des. 70,320; June 8.
Dewald, Edward A., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Making fin-tube heat exchangers. 1,588,174; June 8.
De Wranged, Mathieu, Paris, France. Control device for talking machines. 1,587,763; June 8.
Dickey, Ion, and W. E. McCown, Stockton, Calif. Tire tool. 1,587,634; June 8.
Dictograph Products Corporation. (See Harman, Nathaniel, assignor.)
Dienner, John A., Chicago, Ill. Dictaphone mandrel. 1,587,702; June 8.
Disch, Tinius, Roselle, N. J. Washing machine. 1,587,703; June 8.
Dodson, Ernest F. (See Gibbs, F. H., and Dodson.)
Dold, Victor-Charles, Issy-les-Moulineaux, France. Stenographic machine. 1,588,097; June 8.
D'Ollier, Henry, jr., Bridgeport, Conn. Lighting device. 1,588,222; June 8.
Dorau, John P., Horicon, Wis. Ironing board. 1,588,098; June 8.
Dornig, Walter, Berlin-Steglitz, Germany. High-frequency transformer. 1,587,512; June 8.
Doty, Florence N., Los Angeles, Calif. Parachute attachment for aeroplanes. 1,587,941; June 8.
Dourif, Henri, Huntington, W. Va. Composite pigment and making the same. 1,587,704; June 8.
Doyle, Agnes E., St. Maries, Idaho. Refrigerator. 1,587,824; June 8.
Dozier, Joe F., Nashville, Tenn. Automobile seat. 1,587,705; June 8.
Dozier, Joe F., Nashville, Tenn. Portable seat. 1,587,706; June 8.
Draper Corporation. (See Davis, Harry A., assignor.)
Dubilier Condenser & Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation. Condenser structure. 1,587,942; June 8.
Duch, Gabriel, Lyon, France. Thermoelectric battery. 1,587,707. June 8.
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Cylinder safety means. 1,587,513; June 8.
Dufresne, Oliver J. (See Marsh, L., and Dufresne.)
Duisberg, Walter, W. Hentrich, Leverkusen, C. Weinand, Cologne-Mulheim, and L. Zeh, Leverkusen, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing cellulose esters and cellulose ethers. 1,587,708; June 8.
Dull, Clarence, Swampscott, Mass. Paper cutter. Des. 70,321; June 8.
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Chain feed. 1,587,635; June 8.
Dunavan, Albert W., and C. M. Ralston, Kingman, Ariz. Humidor. 1,588,346; June 8.
Duncan, Isaac O., Nashville, Tenn. Baby jumper. 1,587,904; June 8.
Duncan, John R., Ardmore, Pa. Apparatus for locating and attaching cables to sunken vessels. 1,587,514; June 8.
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio Inc., New York, N. Y. Wired radio transmitting system. 1,587,764; June 8.
Dunham, C. A., Company. (See Elge, Falten, assignor.)
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauging device. 1,587,765; June 8.
Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Dürr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Outer cover of airships. 1,588,016; June 8.
Dutton, Vernet R., assignor to The New Departure Manufacturing Company, Bristol, Conn. Game piece. 1,587,580; June 8.
Earl, Schuyler H., assignor to Gleason Works, Rochester, N. Y. Gear-generating machine. 1,587,709; June 8.
Eastman Kodak Company. (See Branchen, Leonard E., assignor.)
Eastman Kodak Company. (See de Moos, Charles, assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Easy-On Cap Company, The. (See Reid, James S., assignor.)
Eaton Axle & Spring Company, The. (See Baker, Walter C., assignor.)
Eaton, George R., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Call-distributing system. 1,587,515; June 8.
Eble, Grover S., assignor to F. Ziegler, jr., New York, N. Y. Mixing valve. 1,588,175; June 8.
Elge, Falten, Toronto, Canda, assignor to C. A. Dunham Company, Marshalltown, Iowa. Return trap. 1,587,636; June 8.
Elsele, Charles W., Flint, Mich. Lamp dimmer. 1,588,319; June 8.
Elsen- & Stahlwerke Oehler & Co. A.-G. (See Rutishauser, A., and Fahrni, assignors.)
Electric Apparatus Co., The. (See McCaa, David G., assignor.)
Electric Auto-Lite Company, The. (See Peterson, Holly C., assignor.)
Electric Wheel Company. (See Calkins, Addison N., assignor.)
Electro Metallurgical Company. (See Bagley, Glen D., assignor.)
Electro Surgical Instrument Company. (See Maljgren, Thorvald, assignor.)
Elevator Safety Appliance Company. (See Brush, Frederick F., assignor.)
Eliot, James V. (See Carroll, R. A., and Eliot, assignors.)
Elliott, Harmon P., Cambridge, Mass. Stencil-printing machine. 1,588,099; June 8.
Elliott, Henry L. (See Carroll, R. A., and Elliott.)
Ellis, Alvarado L. R., Swapscott, Mass., assignor to General Electric Company. Piezo-electric device. 1,588,176; June 8.

Elrod, Eddy W., Lafontaine, Kans. Tandum-coupled disk harrow. 1,588,177; June 8.
Engl, Josef. (See Massolle, J., Vogt, and Engl.)
English, Charles C., Dallas, Tex. Spinning top. 1,587,766; June 8.
Ennis, Commie L., Boykins, Va. Safety appliance for lanterns. 1,588,347; June 8.
Ensign, Lester L. (See Birt, Rodger A., assignor.)
Erlanger, Milton S. (See Clark, Edgar R., assignor.)
Eve, Frank H., and W. J. Wood, Luton, England. Hat-polishing and like machine. 1,587,825; June 8.
Eymael, Arnaud, and M. A. Dall'este, Brussels, Belgium. Apparatus for rerubbering pneumatic tires. 1,588,100; June 8.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fahrni, Jacob. (See Rutishauser, A., and Fahrni.)
Fairbanks, E. and T., and Company. (See Church, Frank E., assignor.)
Fairbanks, Morse & Co. (See Rynders, George W., assignor.)
Fair, E. H., trustee. (See Wammack, Richard A., assignor.)
Faics, Elisha N., Lake Forest, Ill. Instrument for indicating both air speed and angle of incidence of an aerofoil. 1,588,178; June 8.
Famous Players Lasky Corporation. (See Barkelew, J. T., and Connor, assignors.)
Farnam, Roy A., La Grande, Oreg. Collocating gauge. 1,588,101; June 8.
Farris, Grover C., Norfolk, assignor to C. R. Anderson, Ocean View, Va. Radiator for internal-combustion engines. 1,588,348; June 8.
Fatico, John A., Willoughby, Ohio. Combination ax and adz. 1,587,767; June 8.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fea, Alexander, Philadelphia, Pa., assignor, by mesne assignments, to The Fifth Avenue Bank of New York, New York, N. Y. Dyeing machine. 1,587,768; June 8.
Federal Pressed Steel Company. (See Tinker, Herbert W., assignor.)
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Feely, Frank J., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,588,017; June 8.
Fehr, Dewey H. (See Holmes, W. M., and Fehr.)
Ferguson, George E., Spring Valley, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J. Flux. 1,587,637; June 8.
Fessenden, George R. (See Bronk, F. E., and Fessenden.)
Feybusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Gumming machine. 1,587,638; June 8.
Feybusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Sheet-mounting machine. 1,587,905; June 8.
Fiala, Anthony, Brooklyn, N. Y. Portable sponson for canoes. 1,587,710; June 8.
Fifth Avenue Bank of New York, The. (See Brown, William W., assignor.)
Fifth Avenue Bank of New York, The. (See Fea, Alexander, assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, H. D., and Putt, assignors.)
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Fisher, Dudley T., assignor to A. M. Read, Columbus, Ohio. Pulverizing machine. 1,587,769; June 8.
Fisher, Joseph E., Springwells, Mich. Gasoline-reserve gauge. 1,587,943; June 8.
Fisk Rubber Company, The. (See Harrop, William, assignor.)
Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
Fisk Rubber Company, The. (See Midgley, T., and Naylor, assignors.)
Fitz, Arthur V. A., assignor to American Clay Products Company, Inc., South River, N. J. Clay-cutting apparatus. 1,588,018; June 8.
Flagstad, Cornell and O. A., Minneapolis, Minn. Collapsible crate. 1,587,711; June 8.
Flagstad, Oscar A. (See Flagstad, Cornell and O. A.)
Fleck, Herman, Golden, assignor to W. A. J. Bell, Denver, Colo. Extracting radium from radium-barium salts and the like. 1,588,383; June 8.
Fleischer, Paul W. (See Feybusch, M., and Fleischer.)
Fleischer, Paul W., Weehawken, assignor to New Jersey Machine Corporation, Hoboken, N. J. Paper-feed device. 1,587,639; June 8.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Lubricant composition for the bearings of the cutters on a roller earth-boring drill. 1,587,944; June 8.
Flintkote Company, The. (See Johnston, Robert T., assignor.)
Foley, Joseph J., Chicago, Ill. Inclosure for automobiles. 1,587,712; June 8.
Forfar, Donald M., Minneapolis, Minn. Flushing device. 1,587,516; June 8.
Fournier, G. W., et al. (See MacLellan, William J., assignor.)
Francis, Walter B., Oakland, Calif. Furring device. 1,587,826; June 8.
Franklin Railway Supply Company. (See Vincent, Harry S., assignor.)
Franklin, Simon & Co. (See Davis, Taube, assignor.)
Franzen, Leonard, Brooklyn, N. Y., assignor to Viking Tool & Machine Co., Inc. Advertising display rack. 1,587,713; June 8.
Frautz, Charles C., assignor to Andes Range and Furnace Corp., Geneva, N. Y. Clean-out cap and locking same. 1,587,581; June 8.
Frazier, Charles E., Casper, Wyo., assignor to Guiberson Corporation, Dallas, Tex. Automatic fluid cut-off for oil wells. 1,587,714; June 8.
Frazier, Charles E., assignor to The Guiberson Corporation, Dallas, Tex. Deflector for slip-actuating weights. 1,587,715; June 8.
French, Charles R., et al. (See Walter, Ira D., assignor.)
French, Herbert F. (See Hill, Dwight B., assignor.)
Frensley, Oscar et al. (See Bray, Thomas T., assignor.)
Freudenberg, Rudolf, Vienna, Austria. Manufacture of wood substitutes. 1,587,827; June 8.
Fr. Hesser Maschinenfabrik-Aktiengesellschaft. (See Schilbach, Gustav, assignor.)
Fricke, Leslie W. (See Booty, Philip C. P., assignor.)
Friederich, Ernst, Berlin, Charlottenberg, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Leading-in wire for glass vessels. 1,588,179; June 8.
Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Hansen, Asmus, assignor.)
Frister, Fritz. (See Kallscher, G., Müller, and Frister.)
Fritsch, Lewis A., Cincinnati, Ohio. Shoulder brace, chest and lung expander. 1,587,716; June 8.
Frost, Warren H., Long Beach, Calif. Elastic material. 1,588,180; June 8.
Ftacnik, Martin, Caldwell, Ohio. Door closer. 1,588,349; June 8.
Fuller Lehigh Company. (See Kaemmerling, G. H., and Benner, assignors.)
G. & H. Tire Chuck Gauge Company. (See Harris, William A., assignor.)
Gallagher, Frederick S., deceased, S. E. Gallagher, executrix, Yonkers, N. Y. Brake-hanger support. 1,588,181; June 8.
Gallagher, Sadie E., executrix. (See Gallagher, Frederick S.)
Galloway, George A., Chicago, Ill., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Apparatus for drying material. 1,587,582; June 8.
Gardner, Vernon A., Angier, N. C. Clothes boiler. 1,587,717; June 8.
Garland, Richard, Junction City, Kans. Sprayer. 1,587,583; June 8.
Garner, George E. (See Boone, P. H., and Garner.)
Garrison, Verna, Norton, Kans. Door-opening mechanism. 1,587,906; June 8.
Gebrath, William, East Orange, N. J. Fur-dyeing apparatus. 1,587,945; June 8.
Gelsenkirchen Bergwerks-Aktiengesellschaft. (See Opderbeck, Emil, assignor.)
General Electric Company. (See Barton, Theophilus F., assignor.)
General Electric Company. (See Bradbury, Burke, assignor.)
General Electric Company. (See Chadwick, Ralph H., assignor.)
General Electric Company. (See Ellis, Alvarado L. R., assignor.)
General Electric Company. (See Friederich, Ernst, assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Libby, Sam H., assignor.)
General Electric Corporation. (See Schermerhorn, Harmon L., assignor.)
General Electric Company. (See Stephens, H. O., and Palme, assignors.)
General Electric Company. (See Stephenson, Hugh M., assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Van Amburg, O. H., and Kempton, assignors.)
Gentile, Pasquale, Youngstown, and F. De Jute, Niles, Ohio. Automatic scissors. 1,587,718; June 8.
Gernsback, Hugo, New York, N. Y. Telephone receiver. 1,587,719; June 8.
Gernsback, Sidney, New York, N. Y. Telephone receiver. 1,587,828; June 8.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,587,640; June 8.
Gibbs, Frank H., and E. F. Dodson, Portland, Oreg. Electrical-conductor connection. 1,587,770; June 8.
Gibeau, Philippe, Seattle, Wash. Snagproof shoe. 1,587,720; June 8.

Gibson, Timothy T., Middlesboro, Ky. Electrical therapeutic device. 1,588,182; June 8.
Gibson, Wiley G., El Paso, Tex. Recoil pad. 1,587,946; June 8.
Gish Company. (See Rosson, James E. W., assignor.)
Gitter, William A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Toilet seat. 1,588,019; June 8.
Gleason Works. (See Earl, Schuyler H., assignor.)
Glossbrenner, Frederick W., assignor to Insurance Underwriters, Incorporated, Indianapolis, Ind. Name plate. Des. 70,322; June 8.
Goddard, Alvin C., New York, N. Y. Adjustable lock support. 1,587,771; June 8.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Electric-lighting fixture. 1,588,183; June 8.
Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,587,517; June 8.
Godwin, Charles W., Alliance, Ohio. Pipe-holding bracket. 1,588,350; June 8.
Goldberg, Harry M., assignor to H. M. Goldberg Co., San Francisco, Calif. Awning frame. 1,587,721; June 8.
Goldberg, H. M., Co. (See Goldberg, Harry M., assignor.)
Golde-Patent Manufacturing Co. (See Keller, August, assignor.)
Goldsmith, Bertram J., New York, assignor by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Window-counterbalancing device. 1,587,641; June 8.
Goody, Forest D., Denver, Colo. Concentrating device. 1,588,102; June 8.
Goodyear Tire & Rubber Company. (See Burdette, Richard S., assignor.)
Goodyear Tire & Rubber Company, The. (See Gitter, William A., assignor.)
Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)
Gordon, Harry L., New York, N. Y. Antiglare attachment for headlights. 1,588,184; June 8.
Gould Coupler Company, The. (See Sauvage, William H., assignor.)
Grange, John D., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stencil material. 1,588,020; June 8.
Grange, John D., Brookfield, and M. L. Strawn, La Grange, Ill., assignors to Western Electric Company, Incorporated New York, N. Y. Method of and apparatus for forming composite articles. 1,588,021; June 8.
Grange, John D., Brookfield, and M. L., Strawn, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Composite article. 1,588,022; June 8.
Granger, Wallace H., San Francisco, Calif. Printing press. 1,587,772; June 8.
Grant, Frank W., et al. (See McLaughlin, Patrick, assignor.)
Grasselli Dyestuff Corporation. (See Duisberg, W., and Hentrich, Weinand, and Zeh, assignors.)
Grasselli Dyestuff Corporation. (See Herz, Richard, assignor.)
Grasselli Dyestuff Corporation. (See Müller, Carl E., assignor.)
Greene, Claude, Chicago, Ill. Truck. 1,587,773; June 8.
Grice, Charles, et al. (See Carrie, James, assignor.)
Griffin, James T., Oak Park, and C. A. Nelson, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Abrading machine. 1,587,947; June 8.
Grimoin-Sanson, Raoul, Paris, France. Manufacture of rubber and cork articles. 1,588,103; June 8.
Griscom-Russell Company, The. (See Dewald, Edward A., assignor.)
Groby, Frederick W., River Edge, N. J., assignor to Underwood Typewriter Company. Accounting sheet. 1,588,185; June 8.
Gross, George H., Topeka, Kans. Cigarette container. 1,588,104; June 8.
Grossnickle, Henry B., assignor of one-half to S. A. Noftzger, North Manchester, Ind. Pencil box. 1,588,351; June 8.
Grosvenor, John A., assignor to C. G. Page, Norton, Kans. Pump. 1,587,642; June 8.
Grosvenor, Thomas A., Logan, Iowa. Fence-staple spreader. 1,588,352; June 8.
Grubman, Leo J., New York, N. Y., assignor to Voices, Incorporated, Newark, N. J. Connecting a flexible body wall to a bellows head. 1,588,353; June 8.
Grubman, Leo J., New York, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sound-producing device. 1,588,354; June 8.
Grubman, Leo J., New York, N. Y., assignor to Voices, Incorporated, Newark, N. J. Connecting a flexible body wall to a bellows head. 1,588,355; June 8.
Grubman, Leo J., New York, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sound-producing device. 1,588,356; June 8.
Gruller, Joseph, Houston, Tex. Scraper-setting tool. 1,587,722; June 8.
Grunspan, Alfred S. (See Spagnoletti, J. E., and Grunspan.)
Grüter, Balthasar, Ruswil, Switzerland. Mechanism for temporarily connecting a motor with the ringing mechanism of a bell. 1,587,829; June 8.
Gschwind, Leon, Youngstown, Ohio, assignor to The Holland Maid Company, Holland, Mich. Gearing for washing machines. 1,587,584; June 8.
Gulberson Corporation, The. (See Frazier, Charles E., assignor.)
Guice, Duke. (See Lane, O. A., and Guice.)
Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)
Guinn, Samuel E., assignor to S. E. Guinn Manufacturing Company, Inc., Johnson City, Tenn. Combined pipe support and paper weight. Des. 70,323; June 8.
Guinn, S. E., Manufacturing Company. (See Guinn, Samuel E., assignor.)
Gulitz, Abraham, New York, N. Y. Princess slip. 1,588,357; June 8.
Guraly, George. (See Raich, John B., assignor.)
Gutteridge, Samuel A., assignor to The Amalgamated Dental Company, Limited, London, England. Dental apparatus. 1,588,023; June 8.
Habart, Charles, assignor to J. Hist, Cleveland, Ohio. Hinge. 1,588,024; June 8.
Hagmann, Ulrich, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa. Plate or similar article. Des. 70,324; June 8.
Hagmann, Ulrich, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa. Plate or similar article. Des. 70,325; June 8.
Hagmann, Ulrich, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa. Plate or similar article. Des. 70,326 June 8.
Hagmann, Ulrich, New York, N. Y., assignor to Shenango Pottery Co., New Castle, Pa. Plate or similar article. Des. 70,327; June 8.
Hahnemann, Walter, Kitzeberg, near Kiel, and W. Rudolph, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Sound-receiving equipment for ships. 1,588,358; June 8.
Hamer, Herbert C., Clovis, assignor of one-half to W. E. Sadler, Santa Ana, Calif. Nail stripper. 1,587,723; June 8.
Hammann, George L., Torrington, assignor of one-half to Ralph K. Mason and one-half to J. H. Lancaster, Bantam, Conn. Double-throw switch. 1,588,359; June 8.
Hammerstrom, Norman E., Galesburg, Ill. Shoe. 1,588,360; June 8.
Hammond, William P., Scarsdale, N. Y. Rear bumper for automobiles. Re16,359; June 8.
Hanford, Parmly, Springfield, Mass. Wrench. 1,588,105; June 8.
Hankar, Raoul E., Brooklyn, N. Y. Powder puff. 1,587,948; June 8.
Hanks, Rufus B., Wausa, Nebr. Map holder. 1,588,106; June 8.
Hansen, Asmus, Berlin-Dahlem, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Scavenging internal-combustion engines. 1,587,585; June 8.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Road-surfacing machine. 1,587,949; June 8.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Testing or measuring apparatus. 1,587,518; June 8.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Gauge. 1,588,361; June 8.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Plug gauge. 1,588,362; June 8.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Gauge. 1,588,363; June 8.
Hanson, Einar A., et al., executors. (See Hanson, Bengt M. W.)
Hare, Edward D., Erie, Pa. Device for cleaning jewelry. 1,587,950; June 8.
Harley-Davidson Motor Co. (See Harley, William S., assignor.)
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Power-impulse equalizer. 1,587,724; June 8.
Harman, Nathaniel, New York, N. Y., assignor to Dictograph Products Corporation. Ear loop attachment for deaf phones. 1,587,643; June 8.
Harris, Grant. (See Harris, Theodore and G.)
Harris, James B., assignor to Janesville Fence & Post Co., Janesville, Wis. Wire fencing. 1,587,725; June 8.
Harris, John S., St. Louis, Mo. Resilient wheel. 1,587,726; June 8.
Harris, Theodore and G., Enid, Okla. Automobile bed attachment. 1,587,774; June 8.
Harris, Thomas H. (See Benjamin, R. B., and Harris.)
Harris, V. J. (See Brandt, Luther, assignor.)
Harris, William, Paterson, N. J. Let-off means for looms. 1,588,025; June 8.
Harris, William A., assignor to G. & H. Tire Chuck Gauge Company, Greenville, S. C. Adjustable pressure air-service apparatus. 1,588,107; June 8.
Harrison, Amos, assignor to Jas. P. Marsh & Company, Chicago, Ill. Automatic air valve. 1,587,644; June 8.

Harrison, Newton, Milford, Conn. Storage battery. 1,587,951; June 8.
Harrop, William, New Bedford, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Ring traveler. 1,587,519; June 8.
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartford-Empire Company. (See Stelmer, Theodore C., assignor.)
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Nonresonant system. 1,587,520; June 8.
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitting electrical energy. 1,588,186; June 8.
Hartman, Christian W., South River, N. J. License-plate holder and protector. 1,587,952; June 8.
Hartman, Clarence P., et al. (See Heine, Joseph A., assignor.)
Harton, Jefferson A. G., assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf binder. 1,587,953; June 8.
Harvey, Henry L. (See Broski, J. W., Harvey, and Riner.)
Harty, William A., Blasdell, and F. W. Moore, Thorold, Ontario, Canada. Rotary drier. 1,587,727; June 8.
Haskell, John E., Springfield, Mo. Gear lock. 1,588,364; June 8.
Hastings, Elizabeth F., executrix. (See Hasting, Ruben C. M.)
Hastings, Ruben C. M., deceased, Columbus, Ohio; E. F. Hastings, executrix. System automatic selective telephony. 1,588,108; June 8.
Hastings, Ruben C. M., deceased, Columbus, Ohio; E. F. Hastings, executrix. Telephone system. 1,588,109; June 8.
Hatchett, Onther D. (See Lipps, R. A., and Hatchett.)
Heany, John A., New Haven, Conn. Leading-in conductor. 1,587,521; June 8.
Heard, Perry M. (See Samuelian, Megerdich, assignor.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake-slack adjuster. 1,587,522; June 8.
Heine, Herman E., assignor to Bradley Washfountain Co., Milwaukee, Wis. Liquid-soap dispenser. 1,587,830; June 8.
Heine, Joseph A., assignor to C. P. Hartman, Reading, and H. J. Blatt, Quakertown, Pa. Window. 1,587,831; June 8.
Henderson, Carl. (See Blaine, J. R., and Henderson.)
Henderson, Carl, assignor to Miehle Printing Press & Mfg. Co., Chicago, Ill. Lithographic roller. 1,587,523; June 8.
Henry, Robert, Grand Rapids, Mich. Fruit picker. 1,587,832; June 8.
Hensley, Charles G., Brooklyn, N. Y. Sound amplifier. 1,587,833; June 8.
Hentrich, Winfried. (See Duisberg, W., Hentrich, Weinand, and Zeh.)
Herz, Alexander, New Rochelle, N. Y. and E. Conti, Jersey City, N. J.; said Conti assignor to said Herz. Measuring and packaging device. 1,587,907; June 8.
Herz, Richard, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Quinone vat dyestuff, dyeing particularly animal fibers in the vat fast shades, and making same. 1,588,384; June 8.
Hess, Ezra H., Landenberg, Pa. Cord or rope holder or cleat. 1,588,365; June 8.
Heyne, Howard A., New York, N. Y. Switch-throwing device. 1,588,366; June 8.
Hiéguet, Robert, assignor to La Traction Electrique Rationnelle, Paris, France. Control of electric motors. 1,587,645; June 8.
Hickock, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag-fastener. 1,587,524; June 8.
Higgins, Thomas J., Odell, Ill. Automatic feeder. 1,587,775; June 8.
Higgins, Warren. (See Saint, W. W., and Higgins.)
Hill, Clara L. (See Benjamin, Virginia S., assignor.)
Hill, Dwight B., Winchester, assignor to said Hill and H. F. French, copartners, as Hill Radio Co., Boston, Mass. Transformer. 1,587,525; June 8.
Hill, John D., sr., Little Rock, Ark. Rat trap. 1,587,834; June 8.
Hill, John T., assignor to Automatic Lock and Closer Company, Oakland, Calif. Door fastener. 1,588,026; June 8.
Hill Radio Co. (See Hill, Dwight B.)
Hillyer, Granby. (See Morgan, Joseph L., assignor.)
Himmelright, Raleigh J., New York, N. Y. Locomotive water scoop. 1,587,835; June 8.
Hirschman, Edward W., Findlay, Ohio. Belt fastener. 1,588,223; June 8.
Hist, John. (See Habart, Charles, assignor.)
Hitchcock, Halbert K., Pittsburgh, Pa. Apparatus for controlling the supply of abrasive to grinding machines. 1,587,526; June 8.
Hoegee, William H., Co. (See Chambers, Willie L., assignor.)
Hoel, Karl E., Seattle, Wash. Floating salmon trap. 1,588,224; June 8.
Hojnowski, Jakob, Nekoosa, Wis. Concrete railway tie. 1,588,225; June 8.
Holinger, Emil F., Jersey City, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Making gate valves and similar bodies. 1,588,226; June 8.
Holland, Harry C., Green Bay, Wis. Mattress-filling machine. 1,587,776; June 8.
Holland Maid Company, The. (See Gschwind, Leon, assignor.)
Hollis, Homer, and C. B. Jonas, Oklahoma City, Okla. Heated steering wheel. 1,587,586; June 8.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,587,908; June 8.
Holmes, George E., et al. (See McLaughlin, Patrick, assignor.)
Holmes, W. Mack, and D. H. Fehr, Pleasanton, Kans. Gear removing and replacing device. 1,587,836; June 8.
Holmgreen, Julius H., San Antonio, Tex. Bailer bottom. 1,588,367; June 8.
Holte, Harold O., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,588,227; June 8.
Holzheuer, William F., Hale, Mich. Extraction process and apparatus. 1,587,646; June 8.
Hombach, Carl J., North Caldwall, N. J. Air-replenishing means for water-distributing systems. 1,587,728; June 8.
Hood, Eugene J. (See Hood, William J. and E. J.)
Hood, William J. and E. J., Toledo, Ohio. Magnetic hand tool. 1,587,647; June 8.
Hoover, Henry H., Kinsey, Mo. Clothes drier. 1,587,527; June 8.
Hopkins, Charles L., River Forest, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. 1,587,837; June 8.
Hopkins, Marion B., Elizabeth, N. J., assignor to Standard Development Company. Nitration process. 1,588,027; June 8.
Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,587,954; June 8.
Horner, William E., Tonkawa, Okla. Belt tightener and coupler. 1,588,368; June 8.
Horner, William E., Tonkawa, Okla. Clamp. 1,588,369; June 8.
Horstmann, Frederick W., Irvington, N. J. Fur-trimming machine. 1,587,528; June 8.
Hortman, Willard, Berwick, Pa. Signal. 1,588,370; June 8.
Hotchkiss, Mark S., Johnson City, N. Y. Metal spool. 1,588,228; June 8.
Hotchkiss, Mark S., Johnson City, N. Y. Wall form. 1,588,229; June 8.
Houk, Harlan, Fort Collins, Colo. Control head for gas and oil wells. 1,587,838; June 8.
Howard, Otis W., and H. P. Corbin, Moline, Ill., assignors, by mesne assignments, to Moline Implement Company. Power lift mechanism. 1,587,648; June 8.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Motion-picture-projecting machine and the like. 1,587,955; June 8.
Howell, Columbus H., Pendleton, Oreg. Weeder. 1,588,230; June 8.
Hower, Harry C., Chicago, Ill. Automobile tire. Des. 70,328; June 8.
Hoyt, Homer J., Detroit, Mich., assignor to Morgan & Wright. Liquid-distributing system for mixing machines. 1,587,529; June 8.
Hromas, Joseph, Ansley, Nebr. Automobile radiator attachment. 1,587,956; June 8.
Hubbard, Charles W., Weston, Mass. Twisting and winding apparatus. 1,587,729; June 8.
Hubbard Oven and Mfg. Co. (See Potter, E. H., and Sharp, assignors.)
Hüber, Güstav, Stuttgart, Germany. Machine for sewing together and covering the edges of knitted or woven fabrics. 1,587,957; June 8.
Hughes, Arthur S., Mansfield, Ohio. Tail gate for dumping bodies. 1,588,110; June 8.
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,588,231; June 8.
Hummel & Downing Co. (See Plautz, Harry, assignor.)
Hunt, Leigh A. (See Kennedy, J. E., and Hunt.)
Hutton, James C., Birmingham, and H. E. Whitehouse, Coventry, assignors to The British Lighting and Ignition Company Limited, B. L. I. C. Works, Aston, Birmingham, England. Ignition magneto. 1,587,958; June 8.
I. G. Farbenindustrie Aktiengesellschaft. (See Benda, L., and Schmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Benda, Ludwig, assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
Insurance Underwriters, Incorporated. (See Glossbrenner, Frederick W., assignor.)

International Precipitation Company. (See Wiskopf, Charles H., assignor.)
Irmischer, Johannes R. P., Saalfeld-on-the-Saale, Germany. Shuttle. 1,587,730; June 8.
Irving Iron Works. (See Price, Paul L., assignor.)
Isham, Harry S., Belmar, N. J. Service-pipe box and cut-off. 1,588,371; June 8.
Isherwood, Joseph W., Chislehurst, England. Floating vessel. 1,587,731; June 8.
Iskowitz, Ellis, Baltimore, Md. Marine pedomotor. 1,587,732; June 8.
Jackson, Coleman H., South Bend, Ind. Safety attachment for automobiles. 1,588,372; June 8.
Jackson, James M., Parkersburg, W. Va. Vehicle body. 1,587,909; June 8.
Jacob, Francis W., Providence, R. I. Football-strategy game apparatus. 1,587,733; June 8.
Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casting having silicon-alloy surface. 1,588,111; June 8.
Jacobs, Ezekiel. (See Jacobs, Swen O. and E.)
Jacobs, Swen O. and E., Sugar, Utah. Woodworking machine. 1,587,734; June 8.
Jacobson, Arthur G. (See Blaine, J. R., and Jacobson.)
James Manufacturing Co. (See Olson, John B., assignor.)
Janesville Fence & Post Co. (See Harris, James B., assignor.)
Jefferson Glass Company, The. (See Robinson, Grosvenor P., assignor.)
Jenks, Abbott B. (See Moller, J. A., and Jenks.)
Jensen, Niels W., North Troy, assignor to S. and R. Folding Machine Company, Cohoes, N. Y. Tool for folding shirt neckbands. 1,587,959; June 8.
Jentzer, Albert, and H. Courvoisier, Geneva, Switzerland. Trepanning instrument. 1,587,530; June 8.
Jerram, Arthur E., Leicester, England. Axle and wheel connection. 1,588,373; June 8.
Jetter, William F., New York, N. Y. Matches and container therefor. 1,588,232; June 8.
Johansen, Ernst M., Fall River, Mass., assignor to The Atlantic Refining Company, Philadelphia, Pa. Desulphurizing oils. 1,587,649; June 8.
Johnson, Axel, Oakland, Calif. Apparatus for treating canned products. 1,588,374; June 8.
Johnson, Frank W., Redlands, Calif. Child's toy vehicle. 1,587,650; June 8.
Johnson, James P., Cleveland Heights, Ohio. Motor-vehicle transmission. 1,588,028; June 8.
Johnson, John T., Chicago, Ill. Composing-room saw. 1,588,112; June 8.
Johnson, Presley B., Sacramento, Calif. Lock seal. 1,587,651; June 8.
Johnson, Robert C., assignor to Cube Teapots Limited, Leicester, England. Cup. Des. 70,329; June 8.
Johnson, S. C., & Son. (See Beach, Chester H., assignor.)
Johnston, Robert T., Scotch Plains, N. J., assignor to The Flintkote Company, Boston, Mass. Method of and apparatus for impregnating felt with bituminous materials. 1,587,652; June 8.
Jonas, Clarence B. (See Hollis H., and Jonas.)
Jones, Almon O., assignor to United States Register Company, Battle Creek, Mich. Warm-air-register damper operator. 1,588,375; June 8.
Jörgensen, Georg K. V., Copenhagen, Denmark. Sound funnel for radiotelephony or other sound reproduction. 1,587,587; June 8.
Jorgensen, Hans G., Erie, Pa. Teething ring. 1,587,960; June 8.
Juelfs, Allen A., McPherson, Kans. Roller-bearing sleeve puller. 1,587,777; June 8.
Kadesch, William H., Cedar Falls, Iowa. Power-transmission device. 1,587,778; June 8.
Knemmerling, Gustav H., Allentown, and H. W. Benner, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Manufacture of gas. 1,587,588; June 8.
Kalb, Warren C. (See Kerlin, J. F., and Kalb.)
Kallscher, Georg, Mainkur, near Frankfort-on-the-Main, and R. Müller and F. Frister, Fechenheim, near Frankfort-on-the-Main, Germany. Production of benzanthrone derivatives. 1,588,376; June 8.
Karle, John D., Roselle Park, N. J. Safety lathe dog. 1,587,961; June 8.
Kauch, Robert. (See Paulus, C. L., and Kauch.)
Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Pyrotechnic fire extinguisher. 1,588,233; June 8.
Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Pyrotechnic fire extinguisher. 1,588,234; June 8.
Keely, William, Beaumont, Tex. Rail straightening device. 1,587,910; June 8.
Keller, August, assignor to Golde-Patent Manufacturing Co., Inc., New York, N. Y. Foldable top for vehicles. 1,588,235; June 8.
Kelley, John R., Covington, Ky. Safety switch mechanism. 1,588,377; June 8.
Kellogg, M. W., Company. (See Holinger, Emil F., assignor.)
Kellogg Switchboard and Supply Company. (See Bohlman, E. A., and Nielsen, assignors.)
Kellogg Switchboard and Supply Company. (See Eaton, George R., assignor.)
Kemeny, Emil, assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y. Wall lighting fixture. Des. 70,330; June 8.
Kemeny, Emil, assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y. Chandelier. Des. 70,331; June 8.
Kemper, William H., Montgomery, Ala. Accelerator for motor cars. 1,588,113; June 8.
Kemppel, Frederick E., and C. E. Rett, Akron, assignors to Lambert Tire & Rubber Company, Barberton, Ohio. Manufacturing tires. 1,588,114; June 8.
Kempton, Leslie A. (See Van Amburg, O. H., and Kempton.)
Kennedy, Joseph E., New York, N. Y., and L. A. Hunt, Lawrence, Mo.; said Hunt assignor to said Kennedy. Disintegrating apparatus. 1,587,653; June 8.
Kerlin, John F., and W. C. Kalb, Bradford, Pa., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Attaching electrical conductors to brushes. 1,587,779; June 8.
Kermer, Martin J., Evanton, Ill. Evaporator. 1,588,029; June 8.
Kern, Estey A. (See Kern, William C., and E. A.)
Kern, William C., and E. A., Dayton, Ohio. Damper. 1,587,839; June 8.
Kerner, Frank J., Minneapolis, Minn. Buffing machine. 1,587,654; June 8.
Kernohan, Robert B., Pittsburgh, Pa. Apparatus for coking coal. 1,587,589; June 8.
Kerr, John, Mount Healthy, Ohio, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle-bar-controlling device for sewing machines. 1,588,030; June 8.
Kidwell, Grover C., Madison, Ind. Shipping jacket for ice-cream containers. 1,587,655; June 8.
Kiefer, Karl, Cincinnati, Ohio. Pulp washer. 1,588,236; June 8.
Kielley, Charles E., Superior, assignor of twenty-five and one-half per cent to J. L. McMahon, Milwaukee, Wis., and twenty-five and one-half per cent to F. O. Brandt, St. Paul, Minn. Rail shaper. 1,587,962; June 8.
Killmer, Louis H., Osseo, Minn. Direction indicator for trucks. 1,588,378; June 8.
Kilmer, Ralph B., assignor to The Pfandler Co., Rochester, N. Y. Impeller or agitator. 1,587,840; June 8.
Kimball, A., Company. (See Wallin, Gustaf A., assignor.)
Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Flexible coupling. 1,588,031; June 8.
King, Frank O., Glencoe, Ill. Doll. Des. 70,332; June 8.
King, Jesse G., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,588,379; June 8.
Kircher, Heinrich. (See Lasch A., and Kircher.)
Kithas, Harry, Fort Worth, Tex. Cigarette holder. Des. 70,333; June 8.
Kittredge, John W., Akron, Ohio. Hoisting block. 1,588,115; June 8.
Klaiber, Albert, Brooklyn, N. Y. Medical apparatus for the treatment of the intestines. 1,588,032; June 8.
Klaiber, Albert, Brooklyn, N. Y. Medical apparatus for the treatment of the intestines. 1,588,033; June 8.
Klein, Henry, New York, N. Y., Clock-case face or similar article. Des. 70,334; June 8.
Kling, Fred E. and R. C. Krause, Youngstown, Ohio. Bell-operating mechanism. 1,587,911; June 8.
Klingbell, Edward, Oak Park, Ill. Cleaning device. 1,588,116; June 8.
Knight, Carl W., Tiffin, Ohio. Piston ring. 1,587,590; June 8.
Knopf, Paul, New York, N. Y. Roll for making corrugated paper. 1,587,963; June 8.
Knopp, Otto A., Oakland, Calif. Testing system. 1,587,841 June 8.
Knox, Garner L., Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company. Reel-handling trailer. 1,587,842; June 8.
Kocourek, Edmund, Hazen, Ark. Mower attachment. 1,587,591; June 8.
Koehler, Gustav E., Rochester, N. Y. Fruit-harvesting implement. 1,588,034; June 8.
Kojima, Edward M., Los Angeles, Calif. Hair-cutting device. 1,587,656; June 8.
Kolodziej, Edward J., Buffalo, N. Y. Shock absorber. 1,587,592; June 8.
Koister, Frederick A., Burlingame, assignor to Federal Telegraph Company, San Francisco, Calif. Radio signaling system. 1,587,657; June 8.
Komarcsvits, George, and F. G. Nunn, Cleveland, Ohio; said Nunn assignor to said Komarcsvits. Flushing attachment for sinks, bathtubs, and the like. 1,588,320; June 8.
Kopejtko, Frank. (See Campbell, William C., assignor.)
Koreneff, Philipp, San Francisco, Calif. Polishing tool. 1,587,843; June 8.
Kottler, John A., Milwaukee, Wis. Bowling-alley pit mat and making same. 1,588,237; June 8.
Krause, Reinhold C. (See Kling, F. E., and Krause.)
Kyle, E. S. (See Rawson, Lile C., assignor.)
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-fastening machine. 1,587,964; June 8.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation. Stop mechanism. 1,587,965; June 8.
Laherty, Edward, Santa Cruz, Calif. Artificial arm. 1,587,780; June 8.
Lambert Tire & Rubber Co. (See Beltel, William J., assignor.)

Lambert Tire & Rubber Company. (See Kemppel, F. E., and Rett, assignors.)
Lancaster, John H., et al. (See Hammann, George L., assignor.)
Land, William M., et al. (See MacLellan, William J., assignor.)
Landberg, Margot, Chicago, Ill. Face-spraying device. 1,587,844; June 8.
Landry, Maurice J. (See Burdin, G. W., and Landry.)
Lane, Guy S., Philadelphia, Pa. Attachment for telephones. 1,587,845; June 8.
Lane, Oscar A., and D. Guice, Greenville, Ala. Crate. 1,587,781; June 8.
Lang, Victor A., Houston, Tex. Sewage-disposal apparatus. 1,587,846; June 8.
Larrabee, Colonel L., Glenville, N. Y. Combined filing and exhibiting device. 1,588,238; June 8.
Lasch, Albert, and H. Kircher, assignors to the Firm: Cannstatter Misch- & Knetmaschinen-Fabrik, Cannstatter Dampfbackofenfabrik Werner & Pfleiderer, Cannstatt, Germany. Device for tipping vessels. 1,587,593; June 8.
La Traction Electrique Rationnelle. (See Hicguet, Robert, assignor.)
Latuff, Peter N., St. Paul, Minn. Saw jointer. 1,587,847; June 8.
Lauer, Anna A., administratrix. (See Adams, Julius F.)
Lawrence, E. V., Safety Brake Company. (See Lawrence, Edward V., assignor.)
Lawrence, Edward V., Englewood, N. J., assignor to E. V. Lawrence Safety Brake Company, Inc. Draft gear. 1,588,035; June 8.
Lawrence, Edward V., Englewood, N. J., assignor to E. V. Lawrence Safety Brake Company, Inc. Trailer. 1,588,036; June 8.
Laycock, Thomas B., Indianapolis, Ind. Casement window. 1,587,658; June 8.
Leach, Henry G. and J. S., Brooklyn, N. Y. Traffic-signal apparatus. 1,588,239; June 8.
Leach, Joseph S. (See Leach, Henry G. and J. S.)
Leach, Joseph S., Brooklyn, N. Y. Traffic-signal apparatus. 1,588,240; June 8.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Convertible automobile body structure. 1,588,117; June 8.
Le Fevre, George A., assignor of one-half to J. Murphy, Richmond Hill, N. Y. Sign. 1,587,966; June 8.
Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 70,335; June 8.
Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 70,336; June 8.
Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 70,337; June 8.
Leland, Edna K., Morrison, Ill. Hair-straightening tool. 1,588,241; June 8.
Léonard, Nestor, Feignies, France. Wheel for locomotives and other purposes. 1,587,594; June 8.
Levering, Ernest D. (See Levering, Wilson K. and E. D.)
Levering, Wilson K. and E. D., Baltimore County, Md. Sash-weight-molding apparatus. 1,588,242; June 8.
Levitan, Nathan A., Brooklyn, assignor to J. J. Braze Co., New York, N. Y. Bridge lamp arm. Des. 70,338; June 8.
Levitan, Nathan A., Brooklyn, assignor to J. J. Braze Co., New York, N. Y. Bridge-lamp arm. Des. 70,339; June 8.
Lewis, Harry S., Beaver Falls, N. Y. Composite sheet. 1,588,243; June 8.
Lewis Invisible Stitch Machine Co. (See Mueller, Charles W., assignor.)
Libani, Romolo, Genoa, Italy. Apparatus for launching lifeboats. 1,587,531; June 8.
Libby, Sam H., Bloomfield, N. J., assignor to General Electric Company. Control for gliding switches for overhead monorail tramways. 1,588,244; June 8.
Li, Chin L., and S. Quisling, West Philadelphia, Pa. Hair-removing instrument. 1,588,387; June 8.
Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Automatic clutch. 1,587,532; June 8.
Liggett, John C., New York, N. Y., assignor to Postindex Company, Inc., Boston, Mass. Making index slips. 1,588,037; June 8.
Lillie, A. Cliff. (See Spencer, John E., assignor.)
Limont, Alexander W., Bridgeport, Conn. Waste fitting for laboratories and making the same. 1,587,967; June 8.
Lindemann, A. J., & Hoverson Company. (See Lindemann, W. C., and Rutenber, assignors.)
Lindemann, Walter C., and E. A. Rutenber, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Toaster. 1,587,659; June 8.
Lindgren, Hugo T., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Marker for planters. 1,587,660; June 8.
Lindhard, Povl T., Brooklyn, assignor to F. L. Smith & Co., New York, N. Y. Mixing slurry. 1,587,533; June 8.
Link-Belt Company. (See Dull, Raymond W., assignor.)
Linton, Ernest O., Hammond, assignor to Calumet Engineering Corporation, East Chicago, Ind. Fuel-oil burner. 1,588,388; June 8.
Lipcot, Fred L., assignor to Rubber Shock Insulator Company, Inc., New York, N. Y. Housing for cushion connections for vehicle construction. 1,588,245; June 8.
Lipps Evrah C., assignor to Packard Motor Car Company, Detroit, Mich. Grinding apparatus. 1,587,534; June 8.
Lipps, Rufus A., and O. D. Hatchett, assignors to Danville Motor Company, Danville, Ky. Lubricant-dispensing apparatus. 1,587,912; June 8.
Liptak, Michael, St. Paul, Minn. Baffle-wall support. 1,588,118; June 8.
Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
Litchfield, James, South Bethlehem, N. Y. Apparatus for improving the fuel mixture in internal-combustion engines. 1,587,535; June 8.
Littleford, John W. (See Wilkinson, E. W., and Littleford.)
Livesey, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Smash preventor for looms. 1,587,913; June 8.
Lizzi, Dominick, Penn Yan, N. Y. Signal light for autos. 1,587,914; June 8.
Lobit, Jean M., Brooklyn, N. Y. Animal trap. 1,587,536; June 8.
Loewenbach, Hugo, Milwaukee, Wis. Stationery dispenser. 1,588,119; June 8.
Lommen, Fred W., Pittsburgh, Pa., assignor to Carbide & Carbon Chemicals Corporation. Making crotonaldehyde. 1,587,661; June 8.
Loomis, Chauncey C., Yonkers, assignor to Loomis, Stump & Banks, New York, N. Y. Making molded rubber products. 1,587,537; June 8.
Loomis, Stump & Banks. (See Loomis, Chauncey C., assignor.)
Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Adjustable roof saddle for brooder houses. 1,588,321; June 8.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Paper feed, printing, and inking control mechanism for printing presses. 1,587,908; June 8.
Lowenstein, Fritz, deceased, Brooklyn, N. Y.; J. C. Walt, administrator, assignor, by mesne assignments, to Radio Patents Corporation. Telephony. 1,587,595; June 8.
Lowenstein, Fritz, deceased, New York, N. Y.; J. C. Walt, administrator, assignor, by mesne assignments, to Radio Patents Corporation. Apparatus for generating alternating current. 1,587,662; June 8.
Lucas, W. E., et al. (See Seguine, Guy A., assignor.)
Lücker, Hans. (See Meyer, J. F. Lücker, and Schmitz.)
Ludeman Brothers Incorporated. (See Ludeman, Oscar H., assignor.)
Ludeman, Oscar H., Glen Ridge, N. J., assignor to Ludeman Brothers Incorporated, New York, N. Y. Valve mechanism. 1,587,969; June 8.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Lüdwig, assignor.)
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Schröder, Paul, assignor.)
Lundgren, Ernest F., Brooklyn, N. Y. Tube plug. 1,587,663; June 8.
Lundy, Bernita, San Francisco, Calif. Curtain pull. Des. 70,340; June 8.
Lundy, Fred W., Denver, Colo. Piston ring. 1,587,970; June 8.
Lyman, Charles E., Waterbury, Conn. Metal-extruding tool. 1,588,246; June 8.
Lyon, Sidney P., Tippecanoe City, Ohio. High-lift radiator. 1,588,247; June 8.
MacBride Co. (See MacBride, G. W., and Bonney, assignors.)
MacBride, George W., and G. C. Bonney, Boston, Mass., assignors to MacBride Co., Southport, Me. Band brake. 1,587,782; June 8.
MacEwen, Stuart R., Toronto, Ontario, Canada. Preparation of solutions of derivatives of dioxydiaminoarsenobenzene. 1,588,252; June 8.
MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,587,848; June 8.
MacLellan, William J., Long Beach, Calif., assignor of one-fourth to himself, one-fourth to G. W. Fournier, one-fourth to W. M. Land, and one-fourth to J. H. Rogers. Grease gun. 1,587,597; June 8.
MacNab, Francis A., Salmon, Idaho. Wagon construction. 1,588,323; June 8.
Magg, Wolfgang, Vienna, Austria. Hand fire extinguisher. 1,587,598; June 8.
Mahler, Ernst, assignor to Paper Patents Company, Neenah, Wis. Paper-making machinery. 1,587,784; June 8.
Maljgren, Thorvald, assignor to Electro Surgical Instrument Company, Rochester, N. Y. Electric coupling. 1,588,120; June 8.
Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Plaster lath. 1,587,973; June 8.
Malina, Louis. (See Morrell, Michael, assignor.)
Malone, Mackey K., Wills Point, Tex. Bushing remover. 1,587,916; June 8.

Manbeck Baking Company. (See Atticks, George M., assignor.)
Mansbendel, Fritz P., Brooklyn, N. Y. Motor. 1,587,665; June 8.
Marsh, Jas. P., & Company. (See Harrison, Amos, assignor.)
Marsh, Louis, and O. J. Dufresne, St. Paul, Minn.; said Marsh assignor to said Dufresne. Fisherman's bait and tackle carrier. 1,587,785; June 8.
Markert, John P., Brooklyn, N. Y. Binder board. 1,588,121; June 8.
Martell, Albert A., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Method and apparatus for aligning connecting-rod bearings. 1,587,666; June 8.
Martens, George, New York, N. Y. Snare-wear-relieving device. 1,588,324; June 8.
Martin, Joseph J. (See Allen, H. R., and Pearson, assignors.)
Martin, Russell S., Binghamton, N. Y. Extension handle for control levers. 1,588,325; June 8.
Mason, Ralph K., et al. (See Hammann, George L., assignor.)
Massingham, Henry R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heating device. 1,588,122; June 8.
Massolle, Joseph, Grunewald, H. Vogt, Berlin-Schoneberg, and J. Engl, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Electron tube. 1,587,786; June 8.
Maston, Edward E., assignor to Mid-West Box Company, Chicago, Ill. Bottle wrapper. 1,588,123; June 8.
Mathers, Frank C., and H. T. Briscoe, Bloomington, Ind.; said Briscoe assignor to said Mathers. Treating limestone. 1,588,253; June 8.
Matthews, Fred, Wellington, New Zealand. Device for withdrawing liquids from containers. 1,587,917; June 8.
Matthews, Jesse H., Des Moines, Iowa. Mileage indicator. 1,588,254; June 8.
Maxwell, Robert, Independence, Kans. Sand-belt splice. 1,588,255; June 8.
May, Pleasant A., Dallas, Tex. Fuel tank. 1,588,124; June 8.
Mayer, Emil, Vienna, Austria. Device for optically measuring light, photometer. 1,587,539; June 8.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stock rack. 1,587,540; June 8.
McAdoo, Thomas, Philadelphia, Pa. Razor-blade sharpener. 1,588,322; June 8.
McCaa, David G., Lancaster, assignor to The Electric Apparatus Co., Parkersburg, Pa. Antistatic system. 1,588,248; June 8.
McCabe, Ira E., Chicago, Ill. Altitude gauge and thermometer. 1,588,380; June 8.
McCleary, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Check for Axminster-loom needle motion. 1,587,915; June 8.
McClease, Ervin H., Long Beach, Calif. Side-hook fishing tool. 1,587,971; June 8.
McCord Radiator & Mfg. Co. (See Hailey, Claude B., assignor.)
McCown, William E. (See Dickey, I., and McCown.)
McCullough, John, Peace Dale, R. I. Automobile curtain-fastening means. 1,587,596; June 8.
McGraw, Michael L., Clarksburg, W. Va. Shot firer. 1,587,664; June 8.
McIntosh, James, North Braddock, and J. W. Miller, Clairton, Pa. Coke-oven damper valve. 1,587,972; June 8.
McLaughlin, Patrick, assignor to G. E. Holmes, and F. W. Grant, Dover, N. H. Measuring ice-cream disher. 1,587,538; June 8.
McLellan, Archibald. (See Round, H. J., and McLellan.)
McMahon, John L., et al. (See Kielley, Charles E., assignor.)
McManus, Charles E., New York, N. Y. Bottle closure. 1,588,249; June 8.
McManus, Charles E., New York, N. Y. Bottle closure and making same. 1,588,250; June 8.
McNab, Alexander, Bridgeport, Conn. Shaft mounting. 1,588,251; June 8.
McNeil, Russell S., assignor to Cochrane Corporation, Philadelphia, Pa. Method of and apparatus for indicating progress of chemical reactions. 1,587,782; June 8.
Meisel, Otto C. F., assignor to Meisel Press Manufacturing Company, Boston, Mass. Sheet-handling mechanism. 1,588,125; June 8.
Meisel Press Manufacturing Company. (See Meisel, Otto C. F., assignor.)
Melikian, Kazar S., Worcester, Mass. Negative holder for retouching purposes. 1,587,599; June 8.
Mentzer, Clarence A., assignor to Stockland Road Machinery Company, Minneapolis, Minn. Road-grading machine. 1,587,667; June 8.
Mergott, J. E., Co. (See Hiering, William C., assignor.)
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,588,256; June 8.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,588,257; June 8.
Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of oxygen-free nitrogen. 1,588,258; June 8.
Metzler, Clyde J. (See Metzler, Robert F. and C. J.)
Metzler, Robert F. and C. J., Chicago, Ill. Automobile body construction. 1,587,541; June 8.
Meyer, Johann F., Berlin, H. Licker, Stade, and C. Schmitz, Oelde, Germany. Centrifugal machine. 1,588,126; June 8.
Michel, Clarence A., Cleveland, Ohio. Automobile headlight. 1,587,542; June 8.
Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile headlight. 1,587,974; June 8.
Midgley, Thomas, Hampden, and R. B. Naylor, Springfield, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Treatment of rubber articles. 1,587,543; June 8.
Mid-West Box Company. (See Maston, Edward E., assignor.)
Miehle Printing Press and Manufacturing Company. (See Blaine, J. R., and Henderson, assignors.)
Miehle Printing Press & Manufacturing Company. (See Blaine, J. R., and Jacobson, assignors.)
Miehle Printing Press & Manufacturing Co. (See Dudley, Edward F., assignor.)
Mieble Printing Press & Mfg. Co. (See Henderson, Carl, assignor.)
Miller, Alvah E., Somerville, N. J. Automobile novelty. 1,588,127; June 8.
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,588,385; June 8.
Miller, John W. (See McIntosh, J., and Miller.)
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Golf tee. 1,588,038; June 8.
Minerals Separation North American Corporation. (See Wilkinson, E. W., and Littleford, assignors.)
Mitchell, Frank B., Hove, England. Self-stopping and self-repeating mechanism for gramophones, talking machines, and the like. 1,588,389; June 8.
Mitchell, John, and J. C. G. Cossey, London, England. Central buffer coupling for railway and like vehicles. 1,588,326; June 8.
Mitchell, Thomas E., Knott, Tex. Cotton-picking machine. 1,587,668; June 8.
Molina, Louis. (See Morrell, Michael, assignor.)
Moline Implement Company. (See Howard, O. W., and Corbin, assignors.)
Moline Implement Company. (See Lindgren, Hugo T., assignor.)
Moline Implement Company. (See Seaholm, J. P., and Corbin, assignors.)
Moller, Jacob A., and A. B. Jenks, Santa Fe Springs, Calif. Gearing for well pumping mechanism. 1,587,975; June 8.
Monosmith Brothers Company, The. (See Monosmith, David J., assignor.)
Monosmith, David J., assignor to The Monosmith Brothers Company, Spencer, Ohio. Device for facilitating instrument settings. 1,588,039; June 8.
Montgomery, Gustavus A., Titusville, Pa. Screw-threaded joint. 1,588,128; June 8.
Mooney, Dermot J., London, England. Aircraft-framework member. 1,588,327; June 8.
Moore, Arlington, Boston, Mass. Paper container. 1,587,544; June 8.
Moore, Charles R., Newport, Vt. Hand wheel. 1,588,328; June 8.
Moore, Edmund L., Medford, Mass. Pump. 1,588,040; June 8.
Moore, Frank C., New Orleans, La. Rim-lug nut lock. 1,587,976; June 8.
Moore, Frank W. (See Harty, W. A., and Moore.)
Moore, George L., Chicago, Ill. Lubricating system. 1,587,849; June 8.
Moore, John C., Connersville, Ind. Valve-operating mechanism. 1,588,041; June 8.
Moore, William, Chappaqua, N. Y., and C. D. Vreeland, Vineland, N. J. Fungicide. 1,587,977; June 8.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,587,545; June 8.
Morgan, Joseph L., assignor to Granby Hillyer, Denver, Colo. Car-axle journal bearing. 1,587,735; June 8.
Morgan, William H., Alliance, Ohio. Electric machine brake. 1,588,129; June 8.
Morgan & Wright. (See Hoyt, Homer J., assignor.)
Morin, Charles A., Boston, Mass. Shoe. 1,587,787; June 8.
Morley, Joseph, Los Angeles, Cal. Cooking utensil. 1,587,788; June 8.
Morrell, Michael, Brooklyn, assignor to L. Malina, New York, N. Y. Yarn winding. 1,588,042; June 8.
Morrell, Michael, Brooklyn, assignor to Malina, New York, N. Y. Yarn winding. 1,588,259; June 8.
Morrison, Charles C., assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y. Racket frame. 1,587,918; June 8.
Morrison, Charles C., Sea Cliff, assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y. Racket. 1,587,919; June 8.

Morrison, Luther F., Como, Miss. Seed-gathering attachment for mowing machines. 1,587,546; June 8.
Morse, Harry W., Stanford University, assignor to Compagnie Du Boleo, San Francisco, Calif. Flotation of ores. 1,587,789; June 8.
Morton, Mardis T., Ardmore, Okla. Fishing tool. 1,587,790; June 8.
Moss, David H. (See White, C. S., Stevenson, and Moss.)
Mower, Arthur C., assignor to The American Tobacco Company, New York, N. Y. Combined can closure and ash tray. 1,588,043; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Seam for sewed articles. 1,588,130; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Seaming coats and the like. 1,588,131; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Blindstitch sewing machine for felling bluff edges on coats. 1,588,132; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Work-crimping mechanism for blindstitch sewing machines. 1,588,133; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Intermittent-tension stitch-forming mechanism. 1,588,134; June 8.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Plunger-operating mechanism for blindstitch sewing machines. 1,588,135; June 8.
Müller, Carl E., Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing cellulose esters and ethers. 1,587,669; June 8.
Muller, George W., Washington, D. C. Rail support. 1,587,791; June 8.
Müller Rudolf. (See Kallscher, G., Müller, and Frister.)
Munson, Sweney, Scammon, Kans. Driving mechanism for motor vehicles. 1,588,260; June 8.
Murphy, James. (See Le Fevre, George A., assignor.)
Murphy, James T., Chicago, Ill. Refining engine for paper production. 1,588,044; June 8.
Murray, James E., Boston, Mass. Ice-cream-cone container. 1,587,792; June 8.
Murray, Samuel, Portland, Oreg. Stabilizer for pivoted counterweights of bascule bridges. 1,588,329; June 8.
Muslar, Nelson, assignor, by mesne assignments, to N. Robinovitz, Worcester, Mass. Labeling machine. 1,588,136; June 8.
Myerly, Glen C., Deep River Township, Poweshiek County, Iowa. Wagon end gate and scoop board combined. 1,587,978; June 8.
Myers, Charles A., Tamaqua, Pa. Connecting rod. 1,588,137; June 8.
National Carbon Company. (See Kerlin, J. F., and Kalb, assignors.)
National Lace & Embroidery Company. (See Schmid, Werner, assignor.)
Naylor, Ralph B. (See Midgley, T., and Naylor.)
Nebelung, George F., St. Paul, Minn. Device for polishing shoes and other articles. 1,587,670; June 8.
Neebe, Lawrence L., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Air-drum support for locomotives. 1,588,330; June 8.
Neidich, Samuel A., Edgewater Park, N. J. Apparatus for forming filaments from viscose. 1,588,045; June 8.
Neilson, James P., sr., Tulsa, Okla. Pitman. 1,588,138; June 8.
Nelson, August T., Milwaukee, Wis. Mechanism for lowering boats. 1,587,979; June 8.
Nelson, Carl A. (See Griffin, J. T., and Nelson.)
Nelson, Nels C., Grandview, Wash. Shackle for tire chains. 1,587,980; June 8.
Nelson, Nels S., assignor of one-half to G. A. Sutton, Pontiac, Mich. Tire pop valve. 1,588,046; June 8.
Nelson, Roy A., Grasston, Minn. Bottle hanger. 1,587,793; June 8.
New Departure Manufacturing Company, The. (See Dutton, Vernet R., assignor.)
New Jersey Machine Corporation. (See Feybusch, M., and Fleischer, assignors.)
New Jersey Machine Corporation. (See Fleischer, Paul W., assignor.)
Newmyer, Dan K., Houston, Tex. Spirit level. 1,587,981; June 8.
Newswenger, Vernon K., Philadelphia, Pa. Radiator-cap ornament. Des. 70,341; June 8.
New York Mills Corporation. (See Leiper, John, assignor.)
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,587,671; June 8.
Nielsen, Emil J. (See Bohlman, E. A., and Nielsen.)
Nielsen, Otto, Ilsenburg, Germany. Introducing additional agents into metallurgical baths. 1,587,600; June 8.
Nightingale, Helga C., Aiken, S. C. Combined brassière and slip. 1,587,672; June 8.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Nissen, John P., Philadelphia, Pa. Stocking. Des. 70,342; June 8.
Noftzger, Samuel A. (See Grossnickle, Henry B., assignor.)
North East Electric Company. (See Bronk, F. E., and Fessenden, assignors.)
Norton, Alfred A., trustee. (See Lindgren, Waldemar L., assignor.)
Nover, Morris, Jersey City, N. J. Hand-bag handle. 1,587,982; June 8.
Nunn, Frank G. (See Komarcsevits, G., and Nunn.)
Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)
Oakes, Travis, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Apparatus for severing glass sheets. 1,587,547; June 8.
O'Brien, Harry T., assignor of one-half to F. R. Schanck, Chicago, Ill. Vacuum cleaner. 1,587,794; June 8.
O'Hanlon, Patrick J., and E. A. Smith, Philadelphia, Pa. Inkstand. Des. 70,343; June 8.
O'Hare, Charles J., St. Petersburg, Fla. Diestock-lubricating device. 1,587,850; June 8.
Oliver Machinery Company. (See Tutbill, Howard B., assignor.)
Olsen, Harold J., Chicago, Ill. Locomotive gear. 1,587,796; June 8.
Olson, Carl W., assignor to American Safety Equipment Corporation, Minneapolis, Minn. Steering mechanism for motor vehicles. 1,587,983; June 8.
Olson, John B., assignor to James Manufacturing Co., Fort Atkinson, Wis. Chicken feeder. 1,587,548; June 8.
O'Malley, Patrick J., Detroit, Mich. Combination-lock switch. 1,587,795; June 8.
Opderbeck, Emil, assignor to the Firm: Gelsenkirchen Bergwerks-Aktiengesellschaft, Gelsenkirchen, Germany. Coke-quenching container. 1,587,673; June 8.
Opitz, John L., Clarinda, Iowa. Cultivator attachment for tractors. 1,587,797; June 8.
Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for wireless signaling. 1,588,047; June 8.
Ost, Frederick A., et al. (See Seguine, Guy A., assignor.)
Owen, John A., Houston, Tex. Oil burner. 1,587,798; June 8.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for handling glass sheets. 1,587,549; June 8.
P. & M. Company, The. (See Le Busk, William H., assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Lipps, Evrah C., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Page, C. G. (See Grosvenor, John A., assignor.)
Paine-Cunnington Company, The. (See Cunnington, George R., assignor.)
Palczynski, Bernard J. (See Sallwasser, Elmer C., assignor.)
Palinkas, Andrew, Lakewood, Ohio. Skate. 1,587,601; June 8.
Palme, Arthur. (See Stephens, H. O., and Palme.)
Paper Patents Company. (See Mahler, Ernst, assignor.)
Parkin, Harold. (See Spivey, Fred, assignor.)
Patey, James S. (See Wickstrom, C. A., and Patey.)
Patterson, William, Philadelphia, Pa. Automatic folding garment hanger. 1,587,674; June 8.
Patterson, William, Philadelphia, Pa. Garment hanger. 1,587,675; June 8.
Patterson, William, Philadelphia, Pa. Garment hanger. 1,587,676; June 8.
Paul, Lewis S. (See Pritner, L. C., and Paul.)
Paulus, Charles L. (See Kauch, R., and Paulus.)
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Paulus, Charles L., and R. Kauch, Dayton, Ohio. Magazine discharger for pyrotechnic signals. 1,588,261; June 8.
Paulus, Charles L., and R. Kauch, Dayton, Ohio. Gun mount. 1,588,262; June 8.
Pearce, Edward E., Galesburg, Ill. Method of and means for thawing. 1,587,984; June 8.
Pearson, Charles E. (See Allen, H. R., and Pearson.)
Peeters, Henry, Warcoing, Belgium. Typewriter. 1,587,677; June 8.
Peller, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Feeding mold charges of molten glass. 1,587,985; June 8.
Peller, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Multiple glass feeder. 1,587,986; June 8.
Pelletier, Joseph E., Pelletier's Mills, New Brunswick, Canada. Valve grinder. 1,588,331; June 8.
Penn, Gregory, Dallas, Tex. Garment hanger. 1,588,263; June 8.
Penney, Harold D., Pelham, assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y. Game frame and manufacturing same. 1,588,139; June 8.
Penney, Harold D., Pelham, assignor, by mesne assignments, to A. G. Spalding & Bros., New York, N. Y. Reenforced game frame. 1,588,140; June 8.

Perfect Window Regulator Corporation. (See Goldsmith, Bertram J., assignor.)
Perfection Stove Company. (See Chadwick, Lee S., assignor.)
Peters, Frank E., Indianapolis, Ind. Building wall. 1,588,332; June 8.
Peterson, Holly C., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Engine starter. 1,587,550; June 8.
Peterson, Reuben G., Wessington Springs, S. Dak. Hog waterer. 1,587,551; June 8.
Pfaudler, Co., The. (See Kilmer, Ralph B., assignor.)
Phelps, William W., Los Angeles, Calif. Savings device. 1,587,987; June 8.
Phelps, William W., Los Angeles, Calif. Stopper remover. 1,587,988; June 8.
Pines Winterfront Company. (See Beach, Frederick E., assignor.)
Pittsburgh Plate Glass Company. (See Oakes, Travis, assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pixler, Ralph C., Luann, Iowa. Adjustable mail-box support. 1,587,920; June 8.
Plautz, Harry, assignor to Hummel & Downing Co., Milwaukee, Wis. Cover for paper caddies. 1,587,602; June 8.
Postindex Company. (See Liggett, John C., assignor.)
Potter, Edwin H., Brooklyn, N. Y., and C. S. Sharp, Boonton, N. J., assignors to Hubbard Oven and Mfg. Co., Inc., Chicago, Ill. Gas-burner structure for bakers' ovens. 1,587,851; June 8.
Powers Regulator Company. (See Snediker, Morton O., assignor.)
Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
Pratt & Whitney Company. (See Tanner, Hubert D., assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Pratt & Whitney Company. (See Wilder, Arthur L., assignor.)
Prendergast, Edward, St. Louis, Mo. Mop. 1,588,264; June 8.
Press, Jacob H., assignor to Jacob Press' Sons, Chicago, Ill. Vehicle body construction. 1,587,552; June 8.
Press', Jacob Sons. (See Press, Jacob H., assignor.)
Price, Paul L., Mount Vernon, assignor to Irving Iron Works Company, Long Island City, N. Y. Grating or ventilated flooring. 1,588,048; June 8.
Pritner, Lindsay C., and L. S. Paul. Making tie plates. 1,587,553; June 8.
Purner, Anthony F., Carlstadt, N. J. Paint-mixing machine. 1,588,333; June 8.
Purves, Thomas L., Williston, N. Dak. Railway-cattle-car partition. 1,588,334; June 8.
Putt, Edward D. (See Stevens, H. D., and Putt.)
Puttaert, Henry F. J. (See Puttaert, Jean F. and H. F. J.)
Puttaert, Henry F. J., San Francisco, Calif. Production of wood pulp. 1,587,799; June 8.
Puttaert, Jean F. and H. F. J., San Francisco, Calif. Making pulp from hulls. 1,588,335; June 8.
Pyrene Manufacturing Company. (See Ferguson, George E., assignor.)
Qualey, James P., and A. F. Wuilleumier, Cleveland, Ohio. Feed-water regulator. 1,588,049; June 8.
Quisling, Svere. (See Li, C. L., and Quisling.)
Radio Corporation of America. (See Round, H. J., and McLellan, assignors.)
Radio Corporation of America. (See St. George-Moore, R., and Whitmore, assignors.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Radio Patents Corporation. (See Lowenstein, Fritz, assignor.)
Raich, John B., Fort Wayne, Ind., assignor to G. Gurnly, Gary, Ind. Wrench. 1,587,852; June 8.
Ralston, Charles M. (See Dunavan, A. W. and Ralston.)
Randomtex Dyeing Machine Corporation. (See Skelton, Charles E., assignor.)
Ransohoff, Nathan, Cincinnati, Ohio. Building-block-molding apparatus. 1,587,853; June 8.
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,588,265; June 8.
Rawson, Lile C., assignor to E. S. Kyle, Chicago, Ill. Printing machine. 1,587,854; June 8.
Ray, William R., San Francisco, Calif. Electromagnetic valve. 1,587,921; June 8.
Read, Alexander M. (See Fisher, Dudley T., assignor.)
Redding, Edward T., Swissvale, Pa., assignor to Consolidated Expanded Metal Companies. Metal-expanding machine. 1,587,855; June 8.
Reed, Albert G., assignor to The Russell Manufacturing Company, Middletown, Conn. Machine for making cordage articles or the like. 1,587,856; June 8.
Reed, Albert G., assignor to The Russell Manufacturing Company, Middletown, Conn. Endless belt and manufacturing same. 1,588,050; June 8.
Regenerative Coal Gasification System. (See Travers, M. W., and Clark, assignors.)
Reid, James S., assignor to The Easy-On Cap Company, Cleveland, Ohio. Cap closure. 1,587,857; June 8.
Reitz, Jacob J., Akron, Ohio. Rope holder. 1,587,858; June 8.
Remington, William, Raymond, Wash. Logging hook. 1,587,678; June 8.
Rempe, Frank G., Oakland, Calif. Moistening bottle. 1,588,266; June 8.
Reppe, Sever C., Chicago, Ill. Dispensing device. 1,588,051; June 8.
Resch, Henry, Bayonne, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,587,989; June 8.
Rett, Carl E. (See Kemppel, F. E., and Rett.)
Reuss, Arnold. (See Shafer, S., jr., and Reuss.)
Reuther, John, East Aurora, N. Y. Safety transfer apparatus for banks, etc. 1,587,990; June 8.
Reyher, Rudolf, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Basic dyestuff of the malachite-green series. 1,588,052; June 8.
Reymond, Roger, Bronx, assignor to Curve-Lite Corporation, New York, N. Y. Automobile headlight. 1,588,053; June 8.
Reymond, Roger, Bronx, assignor to Curve-Lite Corporation, New York, N. Y. Directional automobile headlight. 1,588,054; June 8.
Rial, Wirt D., Wilmington, Calif. Preparing a lubricating oil. 1,587,859; June 8.
Richmond, Jesse P., Memphis, Tenn. Lubricating apparatus. 1,588,336; June 8.
Richter, George A., and S. L. Swasey, assignors to Brown Company, Berlin, N. H. Recovering calcium carbonate from caustic liquors. 1,587,679; June 8.
Ridler, Harry C., Minneapolis, Minn. Cooling device for drinking fountains. 1,588,055; June 8.
Riner, Clifton S. (See Broski, J. W., Harvey, and Riner.)
Rittenhouse, George W., assignor of one-half to H. P. Smith, Seattle, Wash. Bag-dispensing machine. 1,587,860; June 8.
Robertson, H. E., et al. (See Broyles, John E., assignor.)
Robinovitz, Norman. (See Muslar, Nelson, assignor.)
Robinson, Grosvenor P., Summit, N. J., assignor to The Jefferson Glass Company, Follansbee, W. Va. Lighting fixture. 1,588,267; June 8.
Robinson, Lula, Dallas, Tex. Adjustable window shade and drapery hanger. 1,587,680; June 8.
Roché, Jean A., Dayton, Ohio. Fuselage construction. 1,588,268; June 8.
Rockwell, Byrd C., Camden, Ark. Manufacturing composite lumber. 1,588,056; June 8.
Rode, Frank S., Jeannette, Pa. Game apparatus. 1,588,337; June 8.
Rodrick, Raymond A., assignor to himself and C. W. White, Akron, Ohio. Windshield cleaner. 1,587,554; June 8.
Rogers, Joseph H., et al. (See MacLellan, William J., assignor.)
Rohrbach, Adolf, Charlottenburg, Germany. Flying machine. 1,588,141; June 8.
Rohrbach, Franklin L., Spokane, Wash. Anti-friction cable support for heavy-duty power cables. 1,588,142; June 8.
Ronca, Louis, and S. Santoro, Jersey City, N. J. Combined bumper and fender. 1,587,555; June 8.
Ross, Edward E., Wilkinsburg, Pa. Resilient system. 1,587,603; June 8.
Ross, Joseph A., Nanticoke, assignor of one-half to W. L. Delaney, Sheatown, Pa. Pursuit toy. 1,588,143; June 8.
Rosson, James E. W., Hopkinsville, assignor, by mesne assignments, to Gish Company, Inc., Louisville, Ky. Lubricating device for internal-combustion engines. 1,587,922; June 8.
Rouanet, Louis, Ivry-Port, assignor to Compagnie d'Applications Mecaniques, Paris, France. Wheel for motor vehicles. 1,587,923; June 8.
Round, Henry J., London, and A. McLellan, Swansea, England, assignors to Radio Corporation of America. Wireless signaling system. 1,587,924; June 8.
Rourke, Joseph J., Terre Haute, Ind. Self-adjusting sand-mold box. 1,588,269; June 8.
Rubber Shock Insulator Company. (See Lipcot, Fred L., assignor.)
Ruckert, Harry E., assignor, by mesne assignments, to Sanitary Products Corporation of America, Philadelphia, Pa. Making spoons. 1,588,057; June 8.
Rudolf, Henry J. G., assignor to Valveless Oil Burner Corporation, New York, N. Y. Oil-burning furnace. 1,588,270; June 8.
Rudolph, Wilhelm. (See Hahnemann, W., and Rudolph.)
Runkle Automatic Gear Shift Corporation, The. (See Runkle, John F., assignor.)
Runkle, John F., assignor to The Runkle Automatic Gear Shift Corporation, Pittsburgh, Pa. Gear-shift mechanism. 1,588,144; June 8.
Russell, Herbert O., Santa Ana, Calif., and C. L. Paulus, Dayton, Ohio. Hopper feed box for machine guns. 1,588,187; June 8.
Russell Manufacturing Company, The. (See Reed, Albert G., assignor.)
Rutenber, Edwin A. (See Lindemann, W. C., and Rutenber.)
Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam-accumulator plant. 1,587,861; June 8.

Rutishauser, Arnold, Olten, and J. Fahrni, Zurich, assignors to Eisen- & Stahlwerke Oehler & Co. A. G., Aarau, Switzerland. Mowing machine. 1,587,862; June 8.
Rynders, George W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Grinding burr. 1,587,863; June 8.
S. and R. Folding Machine Company. (See Jensen, Niels W., assignor.)
Sadler, Warren E. (See Hamer, Herbert C., assignor.)
St. George-Moore, Richard, Loudon, and G. S. Whitmore, Eastcote, England, assignors to Radio Corporation of America. Supporting antennæ used in wireless telegraphy. 1,587,872; June 8.
Saint, Wintford W., Piedmont, and W. Higgins, Oakland, Calif.; said Higgins assignor to said Saint. Interlocking tray. 1,588,271; June 8.
Salves, Léon, Billancourt, France. Centrifugal purifying apparatus for lubricating oil. 1,587,800; June 8.
Samuelian, Megerdich, assignor of one-half to P. M. Heard, Fresno, Calif. Stitch remover. 1,588,188; June 8.
Sanistraw Dispenser Company. (See Young, Charles L., assignor.)
Sanitary Products Corporation of America. (See Ruckert, Harry E., assignor.)
Santoro, Stanislao. (See Ronca, L., and Santoro.)
Sargent & Company. (See Shaw, John H., assignor.)
Sargent, Charles E., Elgin, Ill. Eductor. 1,587,864; June 8.
Sauvage, William H., New York, N. Y., assignor, by mesne assignments, to The Gould Coupler Company. Slack adjuster. 1,588,145; June 8.
Sawyer, William D., et al. (See Carrie, James, assignor.)
Scanlan, George H., deceased, New York, N. Y.; M. G. Scanlan, administratrix. Clutch for tractors. 1,588,272; June 8.
Scanlan, George H., deceased, New York, N. Y.; M. G. Scanlan, administratrix. Tractor and guide. 1,588,273; June 8.
Scanlan, Mary G., administratrix. (See Scanlan, George H.)
Schaal, Earl V., Dayton, Ohio. Metal-polishing machine. 1,588,189; June 8.
Schaefer, Frederic, Pittsburgh, Pa. Brake hanger and support. 1,588,190; June 8.
Schaefer, Frederic, Pittsburgh, Pa. Brake-hanger support. 1,588,191; June 8.
Schanck, Francis R. (See O'Brien, Harris T., assignor.)
Scheele, Erich. (See Brunner, J., and Scheele.)
Schenck, Charles E., Clearwater, Fla. Paraffin-wax sprayer. 1,587,736; June 8.
Schermerhorn, Harmon L., Schenectady, N. Y., assignor to General Electric Corporation. Varnish tank. 1,588,192; June 8.
Schilbach, Gustav, Connstatt, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Connstatt, Germany. Machine for wrapping up piece goods. 1,587,556; June 8.
Schling, Max, New York, N. Y. Window guard. 1,587,604; June 8.
Schlosser, Rudolph S., New York, N. Y. Artificial flower and making same. 1,588,274; June 8.
Schlumpf, Oscar L., Sewickley, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Screw down for rolling mills. 1,588,146; June 8.
Schmid, Werner, Brooklyn, assignor to National Lace & Embroidery Company, New York, N. Y. Embroidered fabric. Des. 70,344; June 8.
Schmid, Werner, Brooklyn, assignor to National Lace & Embroidery Company, New York, N. Y. Embroidered fabric. Des. 70,345; June 8.
Schmid, Werner, Brooklyn, assignor to National Lace & Embroidery Company, New York, N. Y. Embroidered fabric. Des. 70,346; June 8.
Schmid, William, Coldwater, Mich. Antibacklash reel. 1,587,557; June 8.
Schmidt, Kurt. (See Schoeller, W., and Schmidt.)
Schmidt, Werner. (See Benda, L., and Schmidt.)
Schmitz, Carl. (See Meyer, J. F., Lücker, and Schmitz.)
Schmitz, Charles F., Glenside, Pa. Hair-waving device. 1,588,193; June 8.
Schneider, Franklin, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Grinding machine. 1,587,865; June 8.
Schoeller, Walter, Berlin-Westend, and K. Schmidt, Berlin-Friedenau, assignors to Chemische Fabrik auf Actien vorm. E. Schering, Berlin, Germany. Monoiodo-oxindol and making same. 1,587,866; June 8.
Schreiber, Anthony, East Aurora, N. Y. Nasal and throat douche preparation. 1,588,194; June 8.
Schröder, Paul, Friedrichshafen, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Airship. 1,588,147; June 8.
Scroggins, Robert H., Oakmont, Upper Darby, Pa. Swimming apparatus. 1,587,605; June 8.
Schryver, Washington I., Prophetstown, Ill. Grass packer. 1,588,148; June 8.
Schuler, Edward, Springfield, Ill. Scaffold. 1,588,195; June 8.
Schulz, Emil A., Hoboken, N. J. Method of and apparatus for winding and warping. 1,588,196; June 8.
Schumacher, John, Los Angeles, Calif. Plaster building board. 1,588,058; June 8.
Schumacher, John, Los Angeles, Calif. Aerating and mixing plastic material. 1,588,059; June 8.
Schumacher, Ludwig F., New York, N. Y. Sun and rain shield for hats. 1,587,681; June 8.
Schutte, Charles C., Indianapolis, Ind. Automatic controlling device for printing machines. 1,588,275; June 8.
Scott, Hermon C., Pomeroy, Wash. Safety attachment for leveling devices. 1,588,197; June 8.
Staley, Earl B., Seattle, Wash. End-gate control for dumping truck bodies. 1,587,612; June 8.
Sallwasser, Elmer C., Berwyn, assignor of one-third to B. J. Palczynski, Chicago, Ill. Attachment for radio receiving sets. 1,588,338; June 8.
Seaholm, John P., and H. P. Corbin, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Releasable hitch. 1,587,606; June 8.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring end connection. 1,588,339; June 8.
Stefanich, Frank, Fresno, Calif. Nonskid attachment for automobiles. 1,587,613; June 8.
Seguine, Guy A., Blackwell, assignor of one-sixteenth to F. A. Ost, Fredonia, Kans., and one-fifth to O. J. Brown and one-fifth to W. E. Lucas, Tonkawa, Okla. Sand cap for oil wells. 1,588,198; June 8.
Shafer, Samuel, jr., and A. Reuss, assignors to Chain Belt Company, Milwaukee, Wis. Hoist for power loaders. 1,588,276; June 8.
Shallcross Control Systems Co. (See Shallcross, Wilmer M., assignor.)
Shallcross, Wilmer M., assignor to Shallcross Control Systems Co., Milwaukee, Wis. Coke-producing-oven regulator. 1,588,149; June 8.
Sharon, Maurice W., Regina, Saskatchewan, Canada. Spring. 1,587,801; June 8.
Sharp, Charles S. (See Potter, E. H., and Sharp.)
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock for gear-shift levers and the like. 1,587,867; June 8.
Sheffield, Elise H., Hartford, Ky. Jaw bracing and setting appliance. 1,587,558; June 8.
Shelton, Maurice C., Indianapolis, Ind. Controlling fuel level. 1,587,607; June 8.
Shenango Pottery Co. (See Hagmann, Ulrich, assignor.)
Shine, George A., St. Louis, Mo. Paint. 1,588,150; June 8.
Shore, Albert F., New York, N. Y. Spring support for vehicles. 1,588,199; June 8.
Shuman, Leo, Spokane, Wash. Electric heater. 1,587,559; June 8.
Siegfried, Alexander. (See Siegfried, Joshua F. and A.)
Siegfried, Joshua F. and A., Brigham City, Utah. Motor-holding device. 1,587,682; June 8.
Siegler, Arthur R., Denver, Colo. Fluid-turbine rotor. 1,587,608; June 8.
Signal Gesellschaft m. b. H. (See Hahnemann, W., and Rudolph, assignors.)
Simmons Method-Hob Company. (See Simmons, Oliver G., assignor.)
Simmons, Oliver G., assignor to Simmons Method-Hob Company, Philadelphia, Pa. Method of and apparatus for generating tapered gears. 1,588,060; June 8.
Simpson, Ward T., Ann Arbor, Mich. Liquid-feed-forcing appliance. 1,587,609; June 8.
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Kerr, John, assignor.)
Skelton, Charles E., Syracuse, N. Y., assignor to Randomtex Dyeing Machine Corporation. Perforating device for cones. 1,588,200; June 8.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper. 1,588,201; June 8.
Smith, Edward A. (See O'Hanlon, P. J., and Smith.)
Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Air-exhausting mechanism for labeling machines. 1,587,868; June 8.
Smith, Emory T., Ludlow, assignor to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Power unit for gate valves. 1,587,869; June 8.
Smith, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smith, Franklin R., and W. D. Anderson, Salt Lake City, Utah. Hose-display device. 1,587,870; June 8.
Smith, Harold. (See Wilkins, O., and Smith.)
Smith, Hinsdale, Keyport, N. J. Spring suspension for automobiles. 1,587,871; June 8.
Smith, Homer P. (See Rittenhouse, George W., assignor.)
Smith, John E., Arco, Idaho. Stud-ring retainer lock. 1,587,683; June 8.
Smith, Roy H., Philadelphia, Pa., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,587,610; June 8.
Smith, William A., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tool. 1,587,611; June 8.
Smith, William R., Topeka, Kans. Metal-straightening apparatus. 1,587,925; June 8.
Snediker, Morton O., assignor to Powers Regulator Company, Chicago, Ill. Humidity-control apparatus. 1,587,560; June 8.
Snelling, Walter O., Allentown, Pa., assignor to Trojen Powder Company, New York, N. Y. Explosive. 1,588,277; June 8.

Snowmobile Company. (See White, Virgil D., assignor.)
Société Anonyme des Engrenages Citroen. (See Boas, André, assignor.)
Société Anonyme Francaise du Ferodo. (See Buisson, Eugène, assignor.)
Spagnoletti, James E., and A. S. Grunspan, London, England. Construction of roads and paths. 1,588,151; June 8.
Spalding, A. G., & Bros. (See Morrison, Charles C., assignor.)
Spalding, A. G., & Bros. (See Penney, Harold D., assignor.)
Spalding, A. G., & Bros. (See Thorp, Edward J., assignor.)
Sparks, Charles F., Alton, Ill. Method and apparatus for sewing bags and other articles. 1,588,340; June 8.
Sparks, Charles F., St. Louis, Mo. Method and apparatus for sewing bags and other articles. 1,588,341; June 8.
Spear, Lawrence Y., New London, Conn. Tractor. 1,587,561; June 8.
Spence, Robert, Winnipeg, Manitoba, Canada. Self-adjusting wedge. 1,587,802; June 8.
Spencer, John E., assignor to A. C. Lillie, Los Angeles, Calif. Windshield wing. 1,588,202; June 8.
Sperry Gyroscope Company, The. (See Thompson, Herbert H., assignor.)
Spielman, Carl F. P., Hersey, Wis. Cheese-treating machine. 1,588,061; June 8.
Spitzley, Ray L., and A. M. Thompson, assignors to Alloys Foundry Company, Detroit, Mich. Valve stem for gas engines. 1,587,991; June 8.
Spitzley, Ray L., and A. M. Thompson, assignors to Alloys Foundry Company, Detroit, Mich. Composition of matter for alloys. 1,587,992; June 8.
Spitzley, Ray L., and A. M. Thompson, assignors to Alloys Foundry Company, Detroit, Mich. Composition of matter for alloys. 1,587,993; June 8.
Spitzley, Ray L., and A. M. Thompson, assignors to Alloys Foundry Company, Detroit, Mich. Composition of matter for alloy of metals. 1,587,994; June 8.
Spivey, Fred, Heckmondwike, assignor of one-half to H. Parkin, Liversedge, England. Apparatus for distributing oil or other liquids upon fibers and the like. 1,588,062; June 8.
Sprigg, Rodney S., Los Angeles, Calif. Movable wall. 1,587,803; June 8.
Standard Development Company. (See Hopkins, Marion B., assignor.)
Steimer, Charles M., executor. (See Steimer, Theodore C.)
Steimer, Theodore C., deceased, Pittsburgh, Pa.; C. M. Steimer, executor, Zanesville, Ohio, assignor by mesne assignments to Hartford-Empire Company. Glass-feeding apparatus. 1,588,393; June 9.
Stein, John H., Detroit, Mich. Bird house. 1,587,804; June 8.
Stein, Louis, Minneapolis, Minn. Checker brick. 1,588,203; June 8.
Stelos Company, The. (See Stephens, Frank C., assignor.)
Stenz, Bernard F., New York, N. Y. Producing replicas of textile samples. 1,588,278; June 8.
Stephens, Frank C., assignor to The Stelos Company, Inc., Washington, D. C. Needle and its use. Re16,360; June 8.
Stephens, Howard O., and A. Palme, Pittsfield, Mass., assignors to General Electric Company. Transformer. 1,588,204; June 8.
Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Balancing rotating bodies. 1,588,205; June 8.
Stevens, Horace D., and E. D. Futt, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Buffing machine. 1,588,342; June 8.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-testing machine. 1,588,343; June 8.
Stevenson, Harry. (See White, C. D., Stevenson, and Moss.)
Stine, Walter L., Los Angeles, Calif. Concrete-mixing machine. 1,588,206; June 8.
Stockland Road Machinery Company. (See Mentzer, Clarence A., assignor.)
Stone, Fred G., Manchester, N. H., assignor to Stone Surface Washer Company, Inc., North Andover, Mass. Surface washer. 1,587,873; June 8.
Stone Surface Washer Company. (See Stone, Fred G., assignor.)
Storm, Edward, Detroit, Mich. Floor support for concrete spouts. 1,588,207; June 8.
Straschill, née Lorber, Paula, New York, N. Y. Knitted cap and making the same. 1,587,684; June 8.
Strauss, Benno, Essen-Bredeney, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Steel alloy. 1,587,614; June 8.
Strauss, Joseph B., Chicago, Ill. Flying machine. 1,587,615; June 8.
Strawn, Marion L. (See Grange, J. D., and Strawn.)
Strickland, Arthur M., Florence, S. C. Account journal. 1,588,279; June 8.
Strickland, John W., Nashville, N. C. Receptacle or holder. 1,587,874; June 8.
Strite, Frank S., New York, N. Y. Stop for the oil engines of pumping systems. 1,588,280; June 8.
Sturgis, Herbert M., Kansas City, Mo. Mop and brush handle connection. 1,588,208; June 8.
Sturtevant, B. F., Company. (See Galloway, George A., assignor.)
Styron, Charlie W., Morehead City, N. C. Removable bit chuck for die heads. 1,588,281; June 8.
Submarine Signal Company. (See Barber, Walter H., assignor.)
Suchy, Paul, Graslitz, Czechoslovakia. Brass and like wind musical instrument. 1,588,390; June 8.
Sudler, Emory, New York, N. Y. Operating mechanism for sluiceway gates. 1,587,616; June 8.
Sullins, Marion W., Breckenridge, Tex. Lubricating system for motor vehicles. 1,587,617; June 8.
Super Production Machinery Corporation. (See Bustamante, César, assignor.)
Superheater Company, The. (See Thomsen, Peter, assignor.)
Sutton, George A. (See Nelson, Nels S., assignor.)
Swanson, John E., Jamaica Plain, Mass. Shoe having an ankle stiffener. 1,587,562; June 8.
Swasey, Sanford L. (See Richter, G. A., and Swasey.)
Swingspout Measure Co. (See Wiswell, Ozro N., assignor.)
Swinland, John, Duluth, Minn. Garment support. 1,587,563; June 8.
Symington Company, The. (See Wright, Ira O., assignor.)

Taft-Peirce Manufacturing Company, The. (See Martell, Albert A., assignor.)
Tamblin, Earl R. (See Cloakey, O. D., and Tamblin.)
Tanner, Hubert D., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear grinder. 1,588,063; June 8.
Taylor, Edward N., Newark, N. J. Tool and making the same. 1,587,805; June 8.
Taylor, Herbert M., Toronto, Ontario, Canada. Suspension clamp. 1,587,926; June 8.
Taylor, Minnie, et al. (See Crawford, Edgar J., assignor.)
Teege, John, Bagby, Calif. Concrete block and wall construction. 1,587,927; June 8.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Driving mechanism. 1,588,064; June 8.
Thomas, Benjamin R., Sioux City, Iowa. Wringer. 1,587,618; June 8.
Thomas, Idris. (See Vaughn, Fred B., assignor.)
Thompson, Allen M. (See Spitzley, R. L., and Thompson.)
Thompson, James S., Pelham, N. Y. Permanent mold for making castings. 1,588,209; June 8.
Thompson, Ray S., Hancock, Minn. Educational chart. 1,587,928; June 8.
Thompson, Robert, Ilion, N. Y. Starting attachment for Edison phonographs. 1,587,875; June 8.
Thomsen, Arthur C., Omaha, Nebr. Traction device. 1,588,065; June 8.
Thomsen, Peter, Cassel-Wilhelmshohe, Germany, assignor, by mesne assignments, to The Superheater Company, New York, N. Y. Feed-water heater for locomotives. 1,587,619; June 8.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Arc interrupter. 1,588,210; June 8.
Thorp, Edward J., assignor to A. G. Spalding & Bros., New York, N. Y. Supporter and protector. 1,588,066; June 8.
Tillinghast, Elbert R., Upper Montclair, N. J. Educational device. 1,587,685; June 8.
Tinker, Herbert W., assignor to Federal Pressed Steel Company, Milwaukee, Wis. Bumper for vehicles. 1,587,808; June 8.
Tolliver, Harry E., Mangum, Okla. Fan scroll for cotton exhausters. 1,587,876; June 8.
Thompson, Herbert H., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Feeding and rotating means for electrodes. 1,587,806; June 8.
Thoreson, Theodore J., Cushing, Minn. Steel-trap cover. 1,587,807; June 8.
Todd Company, The. (See Smith, Burgess W., assignor.)
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,587,620; June 8.
Travers, Morris W., London, and F. W. Clark, Lymm, assignors to Regenerative Coal Gasification System, Limited, Manchester, England. Manufacture of gas. 1,587,564; June 8.
Tri-Ergon Limited. (See Massolle, J., Vogt, and Engl, assignors.)
Triumph Manufacturing Co. (See Willenbacher, August, assignor.)
Trogan Powder Company. (See Snelling, Walter O., assignor.)
Trumbull Electric Manufacturing Company. (See Getchell, Benjamin E., assignor.)
Trumbull, Willis H., Lothair, Mont. Spine-treating device. 1,587,737; June 8.
Tully, William H., Monroe, Me. Wrench. 1,588,067; June 8.
Turf Tread Corporation. (See Cummings, David P., assignor.)

Tuthill, Howard B., assignor to Oliver Machinery Company, Grand Rapids, Mich. Electric-motor unit. 1,587,566; June 8.
Underwood Computing Machine Company. (See Resch, Henry, assignor.)
Underwood Typewriter Company. (See Groby, Frederick W., assignor.)
Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
United Engineering & Foundry Company. (See Schlumpf, Oscar L., assignor.)
United Shoe Machinery Corporation. (See De Minico, Charles, assignor.)
United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)
United States Register Company. (See Jones, Almon O., assignor.)
Upton, Harold, Minneapolis, Minn. Compound for preventing and removing carbon in internal-combustion engines. 1,587,565; June 8.
Utility Trailer Manufacturing Company. (See Knox, Garner L., assignor.)
Valveless Oil Burner Corporation. (See Rudolf, Henry J. G., assignor.)
Van Amburg, Otto H., and L. A. Kempton, Bridgeport, Conn., assignor to General Electric Company. Safety switch. 1,588,211; June 8.
Van Dorn Electric Tool Company, The. (See Connell, Edwin L., assignor.)
Van Dorn Electric Tool Company, The. (See Schneider, Franklin, assignor.)
Van Dorn Iron Works Company, The. (See Whitehouse, John T., assignor.)
Von Neudeck, Wilhelm, Philadelphia, Pa. Lathing mat. 1,588,212; June 8.
Varney, William T., Vancouver, British Columbia, Canada. Vaginal washer. 1,588,344; June 8.
Varnum, George B., Los Angeles, Calif. Lock. 1,587,686; June 8.
Vaughn, Fred B., assignor of one-half to I. Thomas, Los Angeles, Calif. Valve apparatus. 1,587,877; June 8.
Vicars, Thomas, Earlestown, England. Biscuit, bread, and the like machinery. 1,587,687; June 8.
Viking Tool & Machine Co. (See Franzen, Leonard, assignor.)
Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company. Railway booster. 1,587,878; June 8.
Vogt, Hans. (See Massolle, J., Vogt, and Engl.)
Voices, Incorporated. (See Grubman, Leo J., assignor.)
Voight, George F., Oakland, Calif. Wire fastener. 1,587,879; June 8.
Vreeland, Cornelius D. (See Moore, W., and Freeland.)

Wachsman, Herman, New York, N. Y. Cage. 1,588,282; June 8.
Wade, John R., assignor to W. H. Zeh, Denver, Colo. Dirigible spotlight. 1,588,213; June 8.
Wait, John C., administrator. (See Lowenstein, Fritz.)
Walch, Herman, Fessenden, N. Dak. Water-elevating apparatus. 1,587,995; June 8.
Walker Patents Company. (See Walker, Tom R., assignor.)
Walker, Tom R., assignor to Walker Patents Company, Inc., Alexandria, La. Shipping-container binder. 1,587,809; June 8.
Wallace, Henry W., Monroe, Oreg. Gauge for raker teeth. 1,588,283; June 8.
Wallin, Gustaf A., Flushing, assignor to A. Kimball Company, New York, N. Y. Marking ticket bolt. 1,587,567; June 8.
Walsh, Owen M'fg. Co. (See Kemeny, Emil, assignor.)
Walsh, Robert L., Sacramento, Calif. Production of gas by electrolysis. 1,588,214; June 8.
Walther, George, Montgomery County, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Conditioning sand for foundry use. 1,587,621; June 8.
Walter, Ira D., assignor of one-fourth to J. Brinkerhoff and one-fourth to C. R. French, Harrisburg, Ark. Felly and rim for wheels. 1,587,929; June 8.
Wammack, Richard A., assignor of seven-tenths to E. H. Fair, Centerton, Ark. trustee for E. H. Fair Company. Road dresser. 1,588,152; June 8.
Ward, James W., Pittsburgh, Pa. Repair and preservation of books. 1,588,068; June 8.
Warner, Charles C., Cleburne, Tex. Foot appliance. 1,578,688; June 8.
Warner, Franklin T., Homer, N. Y. Penholder. 1,588,284; June 8.
Warren, Charles B., assignor to W. Warren Thread Works, Westfield, Mass. Support for thread cops. 1,588,069; June 8.
Warren, Harry B., assignor to Weimer-Warren Company, Colliers, W. Va. Rheostat. 1,587,996; June 8.
Warren, W., Thread Works. (See Warren, Charles B., assignor.)
Warsen, August W. (See Christensen, A., and Warsen.)
Washburn, Frank E., Hale, Mo. Fly screen. 1,588,070; June 8.
Watkins, William E, New York, N. Y., assignor to Copper Plate Sheet & Tube Company, Elizabeth, N. J. Lubrication. 1,587,568; June 8.
Weagant, Roy A., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for radiosignaling. 1,587,880; June 8.
Weaver, Edward G., Butte, Mont. Air-pressure gauge. 1,588,285; June 8.
Webber, Grace, Ozone Park, N. Y. Attachment to copyholders. 1,587,881; June 8.
Wedl, Anton, New York, N. Y. Table napkin or article of similar nature. Des. 70,347; June 8.
Weglarski, Bruno, Philadelphia, Pa. Guide for shuttles. 1,587,882; June 8.
Weil, Leon Inc. (See Coblentz, Louis J., assignor.)
Weiler, T. H., et al. (See Broyles, John E., assignor.)
Weimer-Warren Company. (See Warren, Harry B., assignor.)
Weinand Claus. (See Duisberg, W., Heintrich, Weinand, and Zeh.)
Weinberg, Lowell C., and H. E. Brannon, Dayton, Ohio. Carburetor air valve. 1,588,215; June 8.
Weisgerber, Edwin C., Long Beach, Calif. Run-down box. 1,588,071; June 8.
Weiskopf, Charles H., Hawthorne, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for the electrical precipitation of suspended particles from gases. 1,588,072; June 8.
Weisman, Charles, Paris, France. Control mechanism. 1,588,286; June 8.
Weisman, Ralph. (See Weissman, S., and Weisman.)
Weiss, Oscar J., and A. J. Brown, Quincy, Ill. Device for applying flexible pipe connections. 1,587,689; June 8.
Weissman, Samuel, and R. Weisman, Detroit, Mich. Side-thrust support for spring bed bottoms. 1,587,569; June 8.
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Method and machine for assembling and uniting frame members. 1,587,690; June 8.
Western Electric Company. (See Adams, Arthur H., assignor.)
Western Electric Company. (See Bandur, Adolph F., assignor.)
Western Electric Company. (See Feely, Frank J., assignor.)
Western Electric Company. (See Grange, John D., assignor.)
Western Electric Company. (See Grange, J. D., and Strawn, assignors.)
Western Electric Company. (See Griffin, J. T., and Nelson, assignors.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Massingham, Henry R., assignor.)
Western Electric Company. (See Wickstrom, C. A., and Patey, assignors.)
Western Electric Company. (See Young, Charles R., assignor.)
Wettrick, Frederick, et al. (See Crawford, Edgar J., assignor.)
Wetzell, Clarence A., Sterling, Ill. Mechanical toy. 1,587,883; June 8.
Wetzell, Clarence A., Sterling, Ill. Mechanical toy. 1,587,884; June 8.
Wetzell, Clarence A., Sterling, Ill. Mechanical toy. 1,587,885; June 8.
Wetzel, Peter P., Waynesboro, Va. Child's vehicle. 1,587,930; June 8.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Trunk-locking device. 1,588,073; June 8.
Wheary Trunk Company. (See Wheary, George H., assignor.)
White, Charles D., East Orange, H. Stevenson, Kearny, and D. H. Moss, assignors to Brandes Laboratories, Inc., Newark, N. J. Audiofrequency transformer. 1,588,074; June 8.
White, Clarence W. (See Rodrick, Raymond A., assignor.)
White, Virgil D., West Ossipee, assignor to Snowmobile Company, Rochester, N. H. Vehicle propelling mechanism. 1,587,570; June 8.
Whitehouse, Harold E. (See Hutton, J. C., and Whitehouse.)
Whitehouse, John T., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail-door-locking mechanism. 1,587,810; June 8.
Whiteside, Howard A., New York, N. Y. Electric motor. 1,587,738; June 8.
Whitmore, Ed, Modesto, Calif. Cross-reading guide. 1,587,886 June 8.
Whitmore, George S. (See St. George-Moore, R., and Whitmore.)
Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
Whitney, James S. (See Whitney, Stephen H., assignor.)
Whitney, Stephen H., assignor of one-fourth to J. S. Whitney, Idaho Springs, Colo. Pitman connection. 1,587,887; June 8.
Whittingham, Richard A., Newark, Del. Railway-track structure. 1,587,691; June 8.
Wichtoski, Joseph, Milwaukee, Wis. Automobile radiator cap. Des. 70,348; June 8.

Wickstrom, Charles A., and J. S. Patey, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Sand-blast apparatus. 1,587,888; June 8.
Wiebe, Harry H., Minneapolis, Minn. License plate and holder. 1,588,075; June 8.
Wilder, Arthur L., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear-grinding machine. 1,588,076; June 8.
Wilkinson, Eltoft W., San Francisco, and J. W. Littleford, Alameda, Calif., assignors to Minerals Separation North American Corporation, New York, N. Y. Flotation machine. 1,588,077; June 8.
Willard, Cyrus F., San Diego, Calif. Treating resins and the product thereof. 1,587,622; June 8.
Willmann, Joseph, Derby, Conn. Temperature-controlled, temperature-indicating, and time-duration-indicating device. 1,588,287; June 8.
Wilkins, Oresta, Havana, and H. Smith, Booneville, Ark. Demountable rim for automobiles. 1,587,692; June 8.
Willenbacher, August, Hackensack, N. J., assignor to Triumph Manufacturing Co., New York, N. Y. Lamp-shade holder. 1,588,216; June 8.
Williams, Guy R., Attleboro, Mass. Toy. 1,587,739; June 8.
Williams, John F., Sandusky, Ohio. Telephone. 1,587,811; June 8.
Willis, Harry S., Philadelphia, Pa. Rubber heel for shoes. 1,587,571; June 8.
Wilson, Howard. (See Austin, A., and Wilson.)
Windsor, Samuel T., Normangee, Tex. Valve silencer. 1,588,078; June 8.
Winkelman, William, Los Angeles, Calif. Ore-reducing furnace. 1,588,217; June 8.
Winn, Sidney B., Lapeer, Mich. Low-body tractor trailer combination. 1,588,394; June 8.
Winn, Sidney B., Lapeer, Mich. Steering gear for duplex tractors. 1,588,395; June 8.
Winn, Sidney B., Lapeer, Mich. Tractor dump-body trailer combination. 1,588,396; June 8.
Winn, Sidney B., Lapeer, Mich. Tractor-trailer leg lift. 1,588,397; June 8.
Winters, Frederick V., New York, N. Y. Vacuum preserving device. 1,588,079; June 8.
Winters, Frederick V., New York, N. Y. Vacuum preserving device. 1,588,080; June 8.
Wired Radio Inc. (See Duncan, Robert D., jr., assignor.)
Wiswell, George E., New Sharon, Iowa. Support for plants and bushes. 1,587,740; June 8.
Wiswell, Ozro N., Los Angeles, Calif., assignor to Swing-spout Measure Co. Emergency unit mounting. 1,588,081; June 8.
Wiswell, Ozro N., Los Angeles, Calif., assignor to Swing-spout Measure Company. Conical-valve swing spout package. 1,588,218; June 8.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture-film guide. 1,588,082; June 8.
Wolders, Cornelis T., Middelburg, Netherlands. Tube-bending machine. 1,587,931; June 8.
Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture pan. Des. 70,349; June 8.
Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture plate. Des. 70,350; June 8.
Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lantern. Des. 70,351; June 8.
Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Plaque for wall brackets. Des. 70,352; June 8.
Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Plaque for wall brackets. Des. 70,353; June 8.
Womack, G. F., et al. (See Bray, Thomas T., assignor.)
Wood, William J. (See Eve, F. H., and Wood.)
Woodman, George A., assignor to Woodman Railway Supply Company, Chicago, Ill. Railway-car truck. 1,588,219; June 8.
Woodman Railway Supply Company. (See Woodman, George A., assignor.)
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,587,572; June 8.
Worsley, Willard J., Dixon, Ill. Animal trap. 1,588,083; June 8.
Wright, Ira O., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,587,812; June 8.
Wright, John H., Montclair, N. J., assignor to Zonite Products Company, New York, N. Y. Chlorine-containing solutions. 1,588,288; June 8.
Wulfleumler, August F. (See Qualey, J. P., and Wulfleumler.)
Wyckoff, Amos A., Oakland, Calif., assignor to Wyckoff Manufacturing Company. Expansible armor-plate tire-protector. 1,587,997; June 8.
Wyckoff Manufacturing Company. (See Wyckoff, Amos A., assignor.)
Yenichek, Louis A., Hanford, Wash. Latch. 1,588,289; June 8.
Young, Charles L., Richmond, Ind., assignor to Sanistraw Dispenser Company, Berwyn, Ill. Sanitary straw dispenser. 1,588,386; June 8.
Young, Charles R., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading-coil case. 1,587,813; June 8.
Young, Clarence H., Boston, Mass. Apparatus for handling materials. 1,587,573; June 8.
Young, Daniel, Brooklyn, N. Y., assignor to Young Inventions, Inc. Hosiery. 1,587,889; June 8.
Young Inventions, Inc. (See Young, Daniel, assignor.)
Zeh, Ludwig. (See Dulsberg, W., Heutrich, Weinand, and Zeh.)
Zeh, William H. (See Wade, John R., assignor.)
Zeiss, Firm of Carl. (See Bauersfeld, Walther, assignor.)
Ziegler, Fritz, jr. (See Eble, Grover S., assignor.)
Zobel, Otto J., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Doubly-periodic wave filter. 1,587,574; June 8.
Zonite Products Company. (See Wright, John H., assignor.)
Zuckerman, Max E., New York, N. Y. Reclaiming the constituents of lead battery plates. 1,587,623; June 8.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrading machine. J. T. Griffin and C. A. Nelson. 1,587,947; June 8.
Accounting sheet. F. W. Groby. 1,588,185; June 8.
Aerofoil, Instrument for indicating both air speed and angle of incidence of an. E. N. Fales. 1,588,178; June 8.
Aeroplanes, Parachute attachment for. F. N. Doty. 1,587,941; June 8.
Aircraft-framework member. D. J. Mooney. 1,588,327; June 8.
Air-pressure gauge. E. G. Weaver. 1,588,285; June 8.
Air-register damper operator, Warm-. A. O. Jones. 1,588,375; June 8.
Air-service apparatus, Adjustable-pressure. W. A. Harris. 1,588,107; June 8.
Airship. P. Schröder. 1,588,147; June 8.
Airships, Outer cover of. L. Durr. 1,588,016; June 8.
Alloy of metals, Composition of matter for. R. L. Spitzley and A. M. Thompson. 1,587,994; June 8.
Alloy, Steel. B. Strauss. 1,587,614; June 8.
Alloys, Composition of matter for. R. L. Spitzley and A. M. Thompson. 1,587,992–3; June 8.
Anchor, Rail. W. H. De Busk. 1,587,511; June 8.
Animal trap. J. M. Libit. 1,587,536; June 8.
Animal trap. W. J. Worsley. 1,588,083; June 8.
Antibacklash reel. W. Schmid. 1,587,557; June 8.
Antistatic system. D. G. McCaa. 1,588,248; June 8.
Ant trap. F. Brooks. 1,588,302; June 8.
Arc interrupter. E. Thomson. 1,588,210; June 8.
Articles, Preserving. J. Brunner and E. Scheele. 1,588,164; June 8.
Articulator. M. P. Darcissac. 1,587,821; June 8.
Arm, Artificial. E. Laherty. 1,587,780; June 8.
Audiofrequency transformer. C. D. White, H. H. Kearney, and D. H. Moss. 1,588,074; June 8.
Automobile body construction. R. F. and C. J. Metzler. 1,587,541; June 8.
Automobile body structure, Convertible. J. Ledwinka. 1,588,117; June 8.
Automobile bumper bracket. O. H. Goetz. 1,587,517; June 8.
Automobile curtain-fastening means. J. McCullough. 1,587,596; June 8.
Automobile lock. E. B. Carlson. 1,587,757; June 8.
Automobile novelty. A. E. Miller. 1,588,127; June 8.
Automobile radiator attachment. J. Hromas. 1,587,956; June 8.
Automobile radiator cap. J. Wichtoski. Des. 70,348; June 8.
Automobile seat. J. F. Dozier. 1,587,705; June 8.
Automobile tire. H. C. Hower. Des. 70,328; June 8.
Automobile truck-body construction. W. J. Barr. 1,588,000; June 8.
Automobiles, Brake-equalizing attachment for. F. J. Andel. 1,587,999; June 8.
Automobiles, Demountable rim for. O. Wilkins and H. Smith. 1,587,692; June 8.
Automobiles, Inclosure for. J. J. Foley. 1,587,712; June 8.
Automobiles, Nonskid attachment for. F. Stefanich. 1,587,613; June 8.
Automobiles, Rear bumper for. W. P. Hammond. Re16,359; June 8.
Automobiles, Safety attachment for. C. H. Jackson. 1,588,372; June 8.
Automobiles, Spring suspension for. H. Smith. 1,587,871; June 8.
Autos, Signal light for. D. Lizzi. 1,587,914; June 8.
Awning frame. H. M. Goldberg. 1,587,721; June 8.
Ax and adz, Combination. J. A. Fatico. 1,587,767; June 8.
Axle and wheel connection. A. E. Jerram. 1,588,373; June 8.
Baby jumper. I. O. Duncan. 1,587,904; June 8.
Bag: *See*—
Fruit-picker's bag.
Bag-dispensing machine. G. W. Rittenhouse. 1,587,860; June 8.
Bag fastener. W. C. Hiering. 1,587,524; June 8.
Bag frame. H. Burchess. 1,588,165; June 8.
Bags and other articles, Method and apparatus for sewing. C. F. Sparks. 1,588,340; June 8.
Bags and other articles, Method and apparatus for sewing. C. F. Sparks. 1,588,341; June 8.
Baller bottom. J. H. Holmgreen. 1,588,367; June 8.
Bait and tackle carrier, Fisherman's. L. Marsh and O. J. Dufresne. 1,587,785; June 8.
Band brake. G. W. MacBride and G. C. Bonney. 1,587,783; June 8.
Banks, etc., Safety transfer apparatus for. J. Reuther. 1,587,990;
Bascule bridges, Stabilizer for pivoted counterweights of. S. Murray. 1,588,329; June 8.
Battery: *See*—
Storage battery. Thermoelectric battery.
Battery plates, Reclaiming the constituents of lead. M. E. Zuckerman. 1,587,623; June 8.
Bearing-sleeve puller, Roller-. A. A. Juelfs. 1,587,777; June 8.
Bearings, Method and apparatus for aligning connecting-rod. A. A. Martell. 1,587,666; June 8.
Bed attachment, Automobile. T. and G. Harris. 1,587,774; June 8.
Bed bottoms, Side-thrust support for spring. S. Weissman and R. Weisman. 1,587,569; June 8.
Bell-operating mechanism. F. E. Kling and R. C. Krause. 1,587,911; June 8.
Bellows head, Connecting a flexible body wall to a. L. J. Grubman. 1,588,353; June 8.
Belt and manufacturing same, Endless. A. G. Reed 1,588,050; June 8.
Belt buckle. R. T. Crocker. 1,588,172; June 8.
Belt fastener. E. W. Hirschman. 1,588,223; June 8.
Belt splice, Sand-. R. Maxwell. 1,588,255; June 8.
Belt tightener and coupler. W. E. Horner. 1,588,368; June 8.
Bezanthrone derivatives, Production of. G. Kalischer, R. Müller, and F. Frister. 1,588,376; June 8.
Binder board. J. P. Markert. 1,588,121; June 8.
Binder, Loose-leaf. R. Cumming. 1,588,314; June 8.
Binder, Loose-leaf. J. A. G. Harton. 1,587,953; June 8.
Binder, Shipping-container. T. R. Walker. 1,587,809; June 8.
Bird house. J. H. Stein. 1,587,804; June 8.
Biscuit, bread, and like machinery. T. Vicars. 1,587,687; June 8.
Bit. P. Basmaison. 1,587,746; June 8.
Block: *See*—
Hoisting block.
Board: *See*—
Binder board. Plaster building board.
Ironing board.
Boats, Mechanism for lowering. A. T. Nelson. 1,587,979; June 8.
Body wall to a bellows head, Connecting a flexible. L. J. Grubman. 1,588,355; June 8.
Boiler: *See*—
Clothes boiler.
Bolt: *See*—
Marking-ticket bolt.
Bolt and nut lock. C. R. Conklin. 1,588,310; June 8.
Book-delivery mechanism. M. Christensen. 1,587,759; June 8.
Books, Repair and preservation of. J. W. Ward. 1,588,068; June 8.
Boreholes, Sinking. E. Albrecht. 1,588,154; June 8.
Boring drill, Lubricant composition for the bearings of the cutters on a roller earth-. H. W. Fletcher. 1,587,944; June 8.
Bottle. L. Becker. Des. 70,310; June 8.
Bottle. P. B. de Wagner. Des. 70,320; June 8.
Bottle closure. C. E. McManus. 1,588,249; June 8.
Bottle closure and making same. C. E. McManus. 1,588,250; June 8.
Bottle hanger. R. A. Nelson. 1,587,793; June 8.
Bottle, Moistening. F. G. Rempe. 1,588,266; June 8.
Bottle wrapper. E. E. Maston. 1,588,123; June 8.
Bowling-alley pit mat and making same. J. A. Kottler. 1,588,237; June 8.
Box: *See*—
Mold box. Run-down box.
Pencil box.
Brace, chest and lung expander, Shoulder. L. A. Fritsch. 1,587,716; June 8.
Bracket: *See*—
Automobile bumper bracket. Pipe-holding bracket.
Brake: *See*—
Electric-machine brake. Sand brake.
Brake hanger and support. F. Schaefer. 1,588,190; June 8.

Brake-hanger support. F. S. Gallagher. 1,588,181; June 8.
Brake-hanger support. F. Schaefer. 1,588,191; June 8.
Brake-slack adjuster. W. C. Hedgcock. 1,587,522; June 8.
Brassière and slip, Combined. H. C. Nightingale. 1,587,672; June 8.
Brick, Checker. L. Stein. 1,588,203; June 8.
Brooder houses, Adjustable roof saddle for. F. W. Lord. 1,588,321; June 8.
Brush, Bath. W. Bretsnyder. 1,587,753; June 8.
Buffing machine. F. J. Kerner. 1,587,654; June 8.
Buffing machine. H. D. Stevens. 1,588,342; June 8.
Building-block molding apparatus. N. Ransohoff. 1,587,853; June 8.
Bumper and fender, Combined. L. Ronca and S. Santoro. 1,587,555; June 8.
Burner: *See*—
Liquid-fuel burner. Oil burner.
Burr, Grinding. G. W. Rynders. 1,587,863; June 8.
Bushing means. O. R. Brinley. 1,587,504; June 8.
Bushing remover. M. K. Malone. 1,587,916; June 8.
Cabinet, Medicine. C. G. Carlson. 1,588,093; June 8.
Cable support for heavy-duty power cables, Antifriction. F. L. Rohrbach. 1,588,142; June 8.
Cage. H. Wachsman. 1,588,282; June 8.
Calcium carbonate from caustic liquors, Recovering. G. A. Richter and S. L. Swasey. 1,587,679; June 8.
Call-distributing system. G. R. Eaton. 1,587,515; June 8.
Can closure and ash tray, Combined. A. C. Mower. 1,588,043; June 8.
Canned products, Apparatus for treating. A. Johnson. 1,588,374; June 8.
Canoes, Portable sponson for. A. Fiala. 1,587,710; June 8.
Can-sealing closure. C. A. Comp. 1,588,392; June 8.
Cap and locking same, Clean-out. C. C. Frautz. 1,587,581; June 8.
Cap and making the same, Knitted. P. Straschill, née Lorber. 1,587,684; June 8.
Cap closure. J. S. Reid. 1,587,857; June 8.
Car buffers, Center mount for. G. E. Coutant. 1,587,509; June 8.
Car seal. L. J. Brune, sr. 1,587,754; June 8.
Car truck, Railway-. G. A. Woodman. 1,588,219; June 8.
Cars, Accelerator for motor. W. H. Kemper. 1,588,113; June 8.
Carburetor. J. F. Bates. 1,587,629; June 8.
Carrier: *See*—
Bait and tackle carrier.
Carton. H. M. Boehm. Des. 70,312; June 8.
Case: *See*—
Coil case. Key case.
Caster. J. Bowen. 1,588,300; June 8.
Casting having silicon-alloy surface. C. B. Jacobs. 1,588,111; June 8.
Castings, Permanent mold for making. J. S. Thompson. 1,588,209; June 8.
Cellulose esters and cellulose ethers, Dyeing. W. Dulsberg, W. Hentrich, C. Weinand, and L. Zeh. 1,587,708; June 8.
Cellulose esters and ethers, Dyeing. C. E. Müller. 1,587,669; June 8.
Cellulose, Extraction of. E. R. Clark. 1,587,631; June 8.
Centrifugal drier. G. R. Davis. 1,588,014; June 8.
Centrifugal machine. J. F. Meyer, H. Lücker, and C. Schmitz. 1,588,126; June 8.
Chain feed. R. W. Dull. 1,587,635; June 8.
Chains, End connecter for. E. H. Bishop. 1,588,002; June 8.
Chair: *See*—
Folding chair.
Chandelier. E. Kemeny. Des. 70,331; June 8.
Cheese-treating machine. C. F. P. Spielman. 1,588,061; June 8.
Chemical reactions, Method and apparatus for indicating progress of. R. S. McNeil. 1,587,782; June 8.
Chlorine-containing solutions. J. H. Wright. 1,588,288; June 8.
Cigarette container. G. H. Gross. 1,588,104; June 8.
Cigarette holder. O. D. Cloakey and E. R. Tamblin. Des. 70,316; June 8.
Cigarette holder. H. Kithas. Des. 70,333; June 8.
Clamp: *See*—
Hose clamp. Suspension clamp.
Clamp. B. J. Carter. 1,587,820; June 8.
Clamp. W. E. Horner. 1,588,369; June 8.
Clay-cutting apparatus. A. V. A. Fitz. 1,588,018; June 8.
Cleaner: *See*—
Vacuum cleaner. Windshield cleaner.
Cleaning device. E. Klingbeil. 1,588,116; June 8.
Clock-case face or similar article. H. Klein. Des. 70,334; June 8.
Clothes boiler. V. A. Gardner. 1,587,717; June 8.
Clothes drainer. R. A. Birt. 1,588,296; June 8.
Clothes drier. H. H. Hoover. 1,587,527; June 8.
Clothes-press attachment. J. E. Caps. 1,588,167; June 8.
Clutch, Automatic. W. L. Lindgren. 1,587,532; June 8.
Clutch control, Belt-pulley. P. O. Dallmann. 1,588,013; June 8.
Clutch, Disk. E. Buisson. 1,588,305; June 8.
Clutch, Hydraulic. H. Caminez. 1,588,166; June 8.
Coal, Apparatus for coking. R. B. Kernohan. 1,587,589; June 8.
Coal conveyer. J. J. Davidson. 1,587,410; June 8.
Coat. T. Davis. Des. 70,318; June 8.
Coats and the like, Seaming. C. W. Mueller. 1,588,131; June 8.
Coil case, Loading-. A. E. Bandur. 1,587,744; June 8.
Coil case, Loading-. C. R. Young. 1,587,813; June 8.
Coke-quenching container. E. Opderbeck. 1,587,673; June 8.
Collocating gauge. R. A. Farnam. 1,588,101; June 8.
Composite article. J. D. Grange and M. L. Strawn. 1,588,022; June 8.
Composite articles, Method of and apparatus for forming. J. D. Grange and M. L. Strawn. 1,588,021; June 8.
Compressor unloader. C. W. Metzgar. 1,588,256–7; June 8.
Concentrating device. F. D. Goody. 1,588,102; June 8.
Concrete block and wall construction. J. Teege. 1,587,927; June 8.
Concrete construction. R. C. Blackman. 1,587,500; June 8.
Concrete-mixing machine. W. L. Stine. 1,588,206; June 8.
Concrete spouts, Floor support for. E. Storm. 1,588,207; June 8.
Condenser, Electrostatic. A. J. Carter. 1,587,696; June 8.
Condenser structure. W. Dubilier. 1,587,942; June 8.
Conductor, Leading-in. J. A. Heany. 1,587,521; June 8.
Cones, Perforating device for. C. E. Skelton. 1,588,200; June 8.
Connecting rod. C. A. Myers. 1,588,137; June 8.
Container. G. F. Miller. 1,588,385; June 8.
Container, Paper. A. Moore. 1,587,544; June 8.
Control levers, Extension handle for. R. S. Martin. 1,588,325; June 8.
Control mechanism. C. Weismann. 1,588,286; June 8.
Control system. H. L. Blood. 1,588,004; June 8.
Copyholders, Attachment to. G. Webber. 1,587,881; June 8.
Cordage articles or the like, Machine for making. A. G. Reed. 1,587,856; June 8.
Cord or rope holder or cleat. E. H. Hess. 1,588,365; June 8.
Cotton exhausters, Fan scroll for. H. E. Tolliver. 1,587,876; June 8.
Cotton-picking machine. T. E. Mitchell. 1,587,668; June 8.
Coupling: *See*—
Electric coupling. Flexible coupling.
Crate. O. A. Lane and D. Guice. 1,587,781; June 8.
Crate, Collapsible. C. and O. A. Flagstad. 1,587,711; June 8.
Crotonaldehyde, Making. F. W. Lommen. 1,587,661; June 8.
Cultivator, Cane. G. W. Burdin and M. J. Landry. 1,588,306; June 8.
Cup. R. C. Johnson. Des. 70,329; June 8.
Current, Apparatus for generating alternating. F. Lowenstein. 1,587,662; June 8.
Curtain fastener. H. S. Campbell. 1,588,092; June 8.
Curtain pull. B. Lundy. Des. 70,340; June 8.
Cylinder safety means. E. F. Dudley. 1,587,513; June 8.
Cylinder-trip mechanism. J. R. Blaine and A. G. Jacobson. 1,587,502; June 8.
Damper. W. C. and E. A. Kern. 1,587,839; June 8.
Dehydrating plant. G. W. Booksh, jr. 1,588,298; June 8.
Dental apparatus. S. A. Gutteridge. 1,588,023; June 8.
Dental articulator. R. W. Burch. 1,588,091; June 8.
Dental floss holder. R. W. Cammack. 1,588,307. June 8.
Detector: *See*—
Register detector.
Dictaphone mandrel. J. A. Dienner. 1,587,702; June 8.
Die heads, Removable bit chuck for. C. W. Styron. 1,588,281; June 8.
Diesel motor. H. H. Blache. 1,587,578; June 8.
Dioxydiaminoarsenobenzene, Preparation of solution of derivatives of. S. R. MacEwen. 1,588,252; June 8.
Disintegrating apparatus. J. E. Kennedy and L. A. Hunt. 1,587,653; June 8.
Dispensing device. S. C. Reppe. 1,588,051; June 8.
Display and vending apparatus. E. Brunhoff. 1,587,935–6; June 8.
Display rack, Advertising. L. Franzen. 1,587,713; June 8.
Doll. D. W. Chandler. Des. 70,315; June 8.
Doll. F. O. King. Des. 70,332; June 8.
Door closer. M. Fiaculk. 1,588,349; June 8.
Door fastener. J. T. Hill. 1,588,026; June 8.
Door, Folding. M. Bretos y Claveria. 1,587,940; June 8.
Door-locking mechanism, Jail-. J. T. Whitehouse. 1,587,810; June 8.
Door-opening mechanism. V. Garrison. 1,587,906; June 8.
Doors, Bolt for corrugated. M. Bretos y Claveria. 1,587,939; June 8.
Double-throw switch. G. L. M. Hammann. 1,588,359; June 8.
Douche preparation, Nasal and throat. A. Schreiber. 1,588,194; June 8.

Dough-ball-spacing machine. G. M. Atticks. 1,588,085; June 8.
Draft rigging. I. O. Wright. 1,587,812; June 8.
Drawing device. S. E. Davis. 1,588,316; June 8.
Drier: *See*—
Centrifugal drier. Rotary drier.
Clothes drier.
Drive mechanism. F. E. Bronk and G. R. Fessenden. 1,587,894; June 8.
Driving mechanism. J. J. Thacher. 1,588,064; June 8.
Dyeing machine. W. W. Brown. 1,587,818; June 8.
Dyeing machine. A. Fea. 1,587,768; June 8.
Dyestuff, dyeing particularly animal fibers in the vat-fast shades, and making same, Quinone vat. R. Herz. 1,588,384; June 8.
Dyestuffs of the malachite-green series, Basic. R. Reyher. 1,588,052; June 8.
Educational chart. R. S. Thompson. 1,587,928; June 8.
Educational device. E. R. Tillinghast. 1,587,685; June 8.
Educator. C. E. Sargent. 1,587,864; June 8.
Egg-preserving apparatus. G. H. Benedict. 1,587,499; June 8.
Elastic material. W. H. Frost. 1,588,180; June 8.
Electric coupling. T. Maljgren. 1,588,120; June 8.
Electric heater. L. Shuman. 1,587,559; June 8.
Electric-machine brake. W. H. Morgan. 1,588,129; June 8.
Electric motor. E. L. Connell. 1,587,760; June 8.
Electric motor. H. A. Whiteside. 1,587,738; June 8.
Electric switch. B. E. Getchell. 1,587,640; June 8.
Electrical conductor connection. F. H. Gibbs and E. F. Dodson. 1,587,770; June 8.
Electrical conductors to brushes, Attaching. J. F. Kerlin and W. C. Kalb. 1,587,779; June 8.
Electrical energy, Transmitting. R. V. L. Hartley. 1,588,186; June 8.
Electrical regulator. C. G. H. Anderson. 1,588,155; June 8.
Electrical therapeutic device. T. T. Gibson. 1,588,182; June 8.
Electrically-controlled machinery, Warning device for use with. A. E. Billingsley. 1,588,087; June 8.
Electrodes, Feeding and rotating means for. H. H. Thompson. 1,587,806; June 8.
Electron discharge apparatus. A. W. Hull. 1,588,231; June 8.
Electron tube. J. Massolle, H. Vogt, and J. Engl. 1,587,786; June 8.
Elevator-door control, Electrically-operated. F. F. Brush. 1,588,007; June 8.
Embroidered fabric. W. Schmid. Des. 70,344–6; June 8.
Engine starter. H. C. Peterson. 1,587,550; June 8.
Engines, Accelerator for automobile. R. B. Abreu. 1,587,625; June 8.
Engines, Apparatus for improving the fuel mixture in internal-combustion. J. Litchfield. 1,587,535; June 8.
Engines, Compound for preventing and removing carbon in internal-combustion. H. Upton. 1,587,565; June 8.
Engines, Lubricating device for internal-combustion. J. E. W. Rosson. 1,587,922; June 8.
Engines of pumping systems, Stop for the oil. F. S. Strite. 1,588,280; June 8.
Engines, Radiator for internal-combustion. G. C. Farris. 1,588,348; June 8.
Engines, Scavenging internal-combustion. A. Hansen. 1,587,585; June 8.
Engines, Valve stem for gas. R. L. Spitzley and A. M. Thompson. 1,587,991; June 8.
Evaporator. M. J. Kermer. 1,588,029; June 8.
Explosive. W. O. Snelling. 1,588,277; June 8.
Extraction process and apparatus. W. F. Holzheuer. 1,587,646; June 8.
Fabrics, Machine for sewing together and covering the edges of knitted or woven. G. Hüber. 1,587,957; June 8.
Feeder, Automatic. T. J. Higgins. 1,587,775; June 8.
Feeder, Chicken. J. B. Olson. 1,587,548; June 8.
Felt with bituminous materials, Method of and apparatus for impregnating. R. T. Johnston. 1,587,652; June 8.
Fencing, Wire. J. B. Harris. 1,587,725; June 8.
Filaments from viscose, Apparatus for forming. S. A. Neidich 1,588,045; June 8
Filing and exhibiting device, Combined. C. L. Larrabee. 1,588,238; June 8.
Film-inspecting machine. C. de Moos. 1,588,096; June 8.
Films, Machine for coloring motion-picture. J. T. Barkelew and W. L. Connor. 1,587,745; June 8.
Filter, Doubly-periodic wave. O. J. Zobel. 1,587,574; June 8.
Fire extinguisher, Hand. W. Magg. 1,587,598; June 8.
Fire extinguisher, Pyrotechnic. R. Kauch and C. L. Paulus. 1,588,233–4; June 8.
Fishing tool. M. T. Morton. 1,587,790; June 8.
Fishing tool, Side-hook. E. H. McClease. 1,587,971; June 8.
Flexible coupling. E. G. Kimmich. 1,588,031; June 8.
Floor-polishing machine. C. H. Beach. 1,588,157; June 8.
Flooring, Grating or ventilated. P. L. Price. 1,588,048; June 8.
Floorings, Composition for the making of hygienic, non-slipping, and nonsonorous. L. L. and L. Cailloux. 1,587,938; June 8.
Flotation machine. E. W. Wilkinson and J. W. Littleford. 1,588,077; June 8.
Flower and making same, Artificial. R. S. Schlosser. 1,588,274; June 8.
Flushing device. D. M. Forfar. 1,587,516; June 8.
Flux. G. E. Ferguson. 1,587,637; June 8.
Flying machine. A. Rohrbach. 1,588,141; June 8.
Flying machine. J. B. Strauss. 1,587,615; June 8.
Fly screen. F. E. Washburn. 1,588,070; June 8.
Folding chair. W. C. Rastetter. 1,588,265; June 8.
Foot appliance. C. C. Warner. 1,587,688; June 8.
Foot support, Propulsive-spring. A. S. Bierly. 1,587,749; June 8.
Fountains, Cooling device for drinking. H. C. Ridler. 1,588,055; June 8.
Frame: *See*—
Awning frame. Racket frame.
Bag frame. Tent frame.
Game frame.
Frame members, Method and machine for assembling and uniting. F. D. Wenn. 1,587,690; June 8.
Fruit picker. R. Henry. 1,587,832; June 8.
Fruit-picker's bag. W. L. Chambers. 1,588,094; June 8.
Fuel level, Controlling. M. C. Shelton. 1,587,607; June 8.
Fuel, Motor. R. A. Carroll and H. L. Elliott. 1,587,899; June 8.
Fuel tank. P. A. May. 1,588,124; June 8.
Fungicide. W. Moore and C. D. Vreeland. 1,587,977; June 8.
Fur-dyeing apparatus. W. Gebrath. 1,587,945; June 8.
Furnace: *See*—
Oil-burning furnace. Ore-reducing furnace.
Furnace. A. V. Culver. 1,588,313; June 8.
Furring device. W. B. Francis. 1,587,826; June 8.
Fur-trimming machine. F. W. Horstmann. 1,587,528; June 8.
Fuselage construction. J. A. Roché. 1,588,268; June 8.
Game apparatus. F. S. Rode. 1,588,337; June 8.
Game apparatus, Football-strategy. F. W. Jacob. 1,587,733; June 8.
Game frame and manufacturing same. H. D. Penney. 1,588,139; June 8.
Game frame, Reenforced. H. D. Penney. 1,588,140; June 8.
Game piece. V. R. Dutton. 1,587,580; June 8.
Garment. M. W. Beck. 1,587,576; June 8.
Garment hanger. W. Patterson. 1,587,675–6; June 8.
Garment hanger. G. Penn. 1,588,263; June 8.
Garment hanger, Automatic folding. W. Patterson. 1,587,674; June 8.
Garment support. J. Swinland. 1,587,563; June 8.
Gas and oil wells, Control head for. H. Houk. 1,587,838; June 8.
Gas by electrolysis, Production of. R. L. Walsh. 1,588,214; June 8.
Gas heater. J. F. Adams. Des. 70,308; June 8.
Gas, Manufacture of. G. H. Kaemmerling and H. W. Benner. 1,587,588; June 8.
Gas, Manufacture of. M. W. Travers and F. W. Clark. 1,587,564; June 8.
Gas-manufacturing machine. C. F. Adams. 1,588,153; June 8.
Gases, Apparatus for the electrical precipitation of suspended particles from. C. H. Weiskopf. 1,588,072; June 8.
Gasket. C. B. Bailey. 1,587,626; June 8.
Gasoline-reserve gauge. J. E. Fisher. 1,587,943; June 8.
Gate for dumping bodies, Tail. A. S. Hughes. 1,588,110; June 8.
Gates, Operating mechanism for sluiceway. E. Sudler. 1,587,616; June 8.
Gauge: *See*—
Air-pressure gauge. Gasoline-reserve gauge.
Collocating gauge. Plug gauge.
Gauge. B. M. W. Hanson. 1,588,361; June 8.
Gauge. B. M. W. Hanson. 1,588,363; June 8.
Gauge and thermometer, Altitude. I. E. McCabe. 1,588,380; June 8.
Gauge connection. R. E. Cox. 1,588,312; June 8.
Gauging device. R. E. Duplessis. 1,587,765; June 8.
Gauging mechanism and using the same. W. C. Baker. 1,587,743; June 8.
Gear, Draft. E. V. Lawrence. 1,588,035; June 8.
Gear-generating machine. S. H. Earl. 1,587,709; June 8.
Gear grinder. H. D. Tanner. 1,588,063; June 8.
Gear-grinding machine. A. L. Wilder. 1,588,076; June 8.
Gear lock. J. E. Haskell. 1,588,364; June 8.
Gear removing and replacing device. W. M. Holmes and D. H. Fehr. 1,587,836; June 8.
Gear-shift levers and the like, Lock for. J. H. Shaw. 1,587,867; June 8.
Gear-shift mechanism. J. F. Runkle. 1,588,144; June 8.
Gears, Method of and apparatus for generating tapered. O. G. Simmons. 1,588,060; June 8.
Glass feeder, Multiple. K. E. Peiler. 1,587,986; June 8.
Glass-feeding apparatus. T. C. Steimer. 1,588,393; June 8.
Glass, Feeding mold charges of molten. K. E. Peiler. 1,587,985; June 8.
Glass holder, Plate-. J. Carrie. 1,588,012; June 8.

Glass sheets, Apparatus for handling. W. Owen. 1,587,549; June 8.
Glass sheets, Apparatus for severing. T. Oakes. 1,587,547; June 8.
Glass vessels, Leading-in wire for. E. Friederich. 1,588,179; June 8.
Golf club. F. Charavay. 1,587,758; June 8.
Golf tee. T. W. Miller. 1,588,038; June 8.
Grade crossings, Safety device for. A. Austin and H. Wilson. 1,588,291; June 8.
Gramophones, talking machines, and the like, Self-stopping and self-repeating mechanism for. F. B. Mitchell. 1,588,389; June 8.
Grass packer. W. I. Schryver. 1,588,148; June 8.
Grease gun. W. J. MacLellan. 1,587,597; June 8.
Grinding apparatus. E. C. Lipps. 1,587,534; June 8.
Grinding machine. F. Schneider. 1,587,865; June 8.
Grinding machines, Apparatus for controlling the supply of abrasive to. H. K. Hitchcock. 1,587,526; June 8.
Gumming machine. M. Feybusch and P. W. Fleischer. 1,587,638; June 8.
Gun mount. C. L. Paulus and R. Kauch. 1,588,262; June 8.
Guns, Hopper feed box for machine. H. O. Russell and C. L. Paulus. 1,588,187; June 8.
Hair-cutting device. E. M. Kojima. 1,587,656; June 8.
Hair-removing instrument. C. L. Li and S. Quisling. 1,588,387; June 8.
Hair-straightening tool. E. K. Leland. 1,588,241; June 8.
Hair-waving device. C. F. Schmitz. 1,588,193; June 8.
Hand-bag construction. M. Berkowitz. 1,587,891; June 8.
Hand-bag handle. M. Nover. 1,587,982; June 8.
Hand wheel. C. R. Moore.—1,588,328; June 8.
Handle: *See*—
Hand-bag handle.
Hanger: *See*—
Bottle hanger. Shade and drapery hanger.
Garment hanger.
Harrow, Tandem-coupled disk. E. W. Elrod. 1,588,177; June 8.
Harvesting implement, Fruit-. G. E. Koehler. 1,588,034; June 8.
Hat linings, Machine for making. R. Becker. 1,588,001; June 8.
Hats, Sun and rain shield for. L. F. Schumacher. 1,587,681; June 8.
Headlight, Automobile. C. A. Michel. 1,587,542; June 8.
Headlight, Automobile. C. A. Michel. 1,587,974; June 8.
Headlight, Automobile. R. Reymond. 1,588,053; June 8.
Headlight, Directional automobile. R. Reymond. 1,588,054; June 8.
Headlights, Antiglare attachment for. H. L. Gordon. 1,588,184; June 8.
Headrest. P. P. Bailey. 1,588,293; June 8.
Heat exchangers, Making fin-tube. E. A. Dewald. 1,588,174; June 8.
Heater: *See*—
Electric heater.
Heating device. H. R. Massingham. 1,588,122; June 8.
Helmet, Welder's. F. M. Bowers. 1,587,893; June 8.
Hinge. C. Habart. 1,588,024; June 8.
Hitch, Releasable. J. P. Seapholm and H. P. Corbin. 1,587,606; June 8.
Hoisting block. J. W. Kittredge. 1,588,115; June 8.
Hook: *See*—
Logging hook.
Hose clamp. T. T. Bray. 1,588,301; June 8.
Hose-display device. F. R. Smith and W. D. Anderson. 1,587,870; June 8.
Hosiery. D. Young. 1,587,889; June 8.
House: *See*—
Bird house.
Humidor. A. W. Dunavan and C. M. Ralston. 1,588,346; June 8.
Humidity-control apparatus. M. O. Snediker. 1,587,560; June 8.
Hydrocarbons and oils, Treating. L. B. Cherry. 1,588,308; June 8.
Hydrophone. W. H. Barber. 1,587,890; June 8.
Hydroxy benzoylamino-benzenearsonic acids and making the same. L. Benda. 1,588,381; June 8.
Ice-cream-cone container. J. E. Murray. 1,587,792; June 8.
Ice-cream containers, Shipping jacket for. G. C. Kidwell. 1,587,655; June 8.
Ice-cream disher, Measuring. P. McLaughlin. 1,587,538; June 8.
Idler structure, Adjustable. J. F. Bolgiano. 1,588,159; June 8.
Ignition magneto. J. C. Hutton and H. E. Whitehouse. 1,587,958; June 8.
Impeller or agitator. R. B. Kilmer. 1,587,840; June 8.
Impervious material and making the same. W. F. Bleecker. 1,587,750; June 8.
Index. A. Boucher. 1,588,299; June 8.
Index slips, Making. J. C. Liggett. 1,588,037; June 8.
Indicator: *See*—
Mileage indicator. Oil-level indicator.
Inkstand. P. J. O'Hanlon and E. A. Smith. Des. 70,343; June 8.
Insect catcher. M. D. Campbell. 1,587,898; June 8.
Instrument settings, Device for facilitating. D. J. Monosmith. 1,588,039; June 8.
Internal-combustion engine. L. M. Woolson. 1,587,572; June 8.
Intestines, Medical apparatus for the treatment of the. A. Klaiber. 1,588,032–3; June 8.
Ironing board. J. P. Dorau. 1,588,098; June 8.
Jaw bracing and setting appliance. E. H. Sheffield. 1,587,558; June 8.
Jewelry, Device for cleaning. E. D. Hare. 1,587,950; June 8.
Joint: *See*—
Screw-threaded joint.
Jordan shell linings, Tightening means for. A. L. Bolton. 1,588,297; June 8.
Journal, Account. A. M. Strickland. 1,588,279; June 8.
Journal bearing, Car-axle. J. L. Morgan. 1,587,735; June 8.
Key case. W. R. Burton. 1,588,010; June 8.
Knee pad, Cotton-picker's. I. E. Coats. 1,587,508; June 8.
Labeling machine. N. Musiar. 1,588,136; June 8.
Labeling machines, Air-exhausting mechanism for. E. L. Smith. 1,587,868; June 8.
Ladder, Collapsible platform scaffold. J. Berman. 1,588,295; June 8.
Lamp arm, Bridge-. N. A. Levitan. Des. 70,338–9; June 8.
Lamp dimmer. C. W. Eisele. 1,588,319; June 8.
Lamp-shade holder. A. Willenbacher. 1,588,216; June 8.
Lantern. H. H. Wolter. Des. 70,351; June 8.
Lanterns, Safety appliance for. C. L. Ennis. 1,588,347; June 8.
Latch. L. A. Yenichek. 1,588,289; June 8.
Lath, Plaster. J. F. Makowski. 1,587,973; June 8.
Lathe dog, Safety. J. D. Karle. 1,587,961; June 8.
Lathing mat. W. Von Neudeck. 1,588,212; June 8.
Lavatories and making the same, Waste fitting for. A. W. Limont. 1,587,967; June 8.
Level, Spirit. D. K. Newmyer. 1,587,981; June 8.
Leveler and scraper, Land. P. H. Boone and G. E. Garner. 1,588,005; June 8.
Leveling devices, Safety attachment for. H. C. Scott. 1,588,197; June 8.
License plate and holder. H. H. Wiebe. 1,588,075; June 8.
License-plate holder and protector. C. W. Hartman. 1,587,952; June 8.
Lifeboats, Apparatus for launching. R. Libani. 1,587,531; June 8.
Light, photometer, Device for optically measuring. E. Mayer. 1,587,539; June 8.
Lighting device. H. D'Olier, jr. 1,588,222; June 8.
Lighting fixture. G. P. Robinson. 1,588,267; June 8.
Lighting fixture, Electric-. W. B. Goddard. 1,588,183; June 8.
Lighting-fixture pan. H. H. Wolter. Des. 70,349; June 8.
Lighting-fixture plate. H. H. Wolter. Des. 70,350; June 8.
Limestone, Treating. F. C. Mathers and H. T. Briscoe. 1,588,253; June 8.
Liquid-feed-forcing appliance. W. T. Simpson. 1,587,609; June 8.
Liquid-fuel burner. H. E. Dalzell. 1,588,315; June 8.
Liquid-treating apparatus. K. W. Bartlett. 1,587,628; June 8.
Liquids from containers, Device for drawing. F. Matthews. 1,587,917; June 8.
Lithographic roller. C. Henderson. 1,587,523; June 8.
Lock: *See*—
Automobile lock. Ring-retainer lock.
Bolt and-nut lock. Tire lock.
Gear lock. Window lock.
Rim lug nut lock.
Lock. G. B. Varnum. 1,587,686; June 8.
Lock seal. P. B. Johnson. 1,587,651; June 8.
Lock support, Adjustable. A. C. Goddard. 1,587,771; June 8.
Lock switch, Combination. P. J. O'Malley. 1,587,795; June 8.
Locomotive furnaces and the like, Flap door for. G. de Grahl. 1,587,822; June 8.
Locomotive gear. H. J. Olsen. 1,587,796; June 8.
Locomotive water scoop. R. J. Himmelright. 1,587,835; June 8.
Locomotives, Air-drum support for. L. L. Neebe. 1,588,330; June 8.
Locomotives and other purposes, Wheel for. N. Leónard. 1,587,594; June 8.
Locomotives, Feed-water heater for. P. Thomsen. 1,587,619; June 8.
Logging hook. W. Remington. 1,587,678; June 8.
Loom needle motion, Check for Axminster-. W. E. McCleary. 1,587,915; June 8.
Loom, Weft-replenishing. R. Crompton and G. Crompton, jr. 1,587,903; June 8.
Looms, Let-off means for. W. Harris. 1,588,025; June 8.
Looms, Picker-stick motion for. H. A. Davis. 1,587,632; June 8.
Looms, Smash preventer for. J. Livesey. 1,587,913; June 8.
Looms, Weft detector for. E. R. Holmes. 1,587,908; June 8.
Lubricant-dispensing apparatus. R. A. Lipps and O. D. Hatchett. 1,587,912; June 8.

Lubricating apparatus. J. P. Richmond. 1,588,336; June 8.
Lubricating device, Diestock-. C. J. O'Hare. 1,587,850; June 8.
Lubricating system. G. L. Moore. 1,587,849; June 8.
Lubrication. W. E. Watkins. 1,587,568; June 8.
Lumber, Manufacturing composite. B. C. Rockwell. 1,588,056; June 8.
Mail-box support, Adjustable. R. C. Pixler. 1,587,920; June 8.
Map and the like, Route. E. T. Charlton. 1,587,506; June 8.
Map holder. R. B. Hanks. 1,588,106; June 8.
Marking-ticket bolt. G. A. Wallin. 1,587,567; June 8.
Mat: *See*—
Lathing mat.
Match-book machine. C. Bustamante. 1,587,755; June 8.
Matches and container therefor. W. F. Jetter. 1,588,232; June 8.
Material, Apparatus for drying. G. A. Galloway. 1,587,582; June 8.
Materials, Apparatus for handling. C. H. Young. 1,587,573; June 8.
Mattress-filling machine. H. C. Holland. 1,587,776; June 8.
Measuring and packaging device. A. Herz and E. Conti. 1,587,907; June 8.
Metal and method of production, Rubber-coated. E. S. Avery. 1,587,742; June 8.
Metal casting. D. Cordino. 1,587,901; June 8.
Metal castings, Making. D. Cordino. 1,587,900; June 8.
Metal-expanding machine. E. T. Redding. 1,587,855; June 8.
Metal-extruding tool. C. E. Lyman. 1,588,246; June 8.
Metal-straightening apparatus. W. R. Smith. 1,587,925; June 8.
Metallurgical baths, Introducing additional agents into. O. Nielsen. 1,587,600; June 8.
Micrometer oculars and mounting of the same, Making mark plates for. W. Bauersfeld. 1,588,221; June 8.
Microphone. T. W. Case. 1,588,168–9; June 8.
Mileage indicator. J. H. Matthews. 1,588,254; June 8.
Mills, Screw down for rolling. O. L. Schlumpf. 1,588,146; June 8.
Mixing machines, Liquid-distributing system for. H. J. Hoyt. 1,587,529; June 8.
Mixing slurry. P. T. Lindhard. 1,587,533; June 8.
Mold: *See*—
Tire mold.
Mold box, Self-adjusting sand-. J. J. Rourke. 1,588,269; Molding apparatus, Sash-weight-. W. K. and E. D. Leverling. 1,588,242; June 8.
Monolodo-oxindol and making same. W. Schoeller and K. Schmidt. 1,587,866; June 8.
Mop. E. Prendergast. 1,588,264; June 8.
Mop and brush handle connection. H. M. Sturgis. 1,588,208; June 8.
Motor: *See*—
Diesel motor. Electric motor.
Motor. F. P. Mansbendel. 1,587,665; June 8.
Motor-holding device. J. F. and A. Siegfried. 1,587,682; June 8.
Motor unit, Electric-. H. B. Tuthill. 1,587,566; June 8.
Motor with the ringing mechanism of a bell, Mechanism for temporarily connecting a. B. Grüter. 1,587,829; June 8.
Motors, Control of electric. R. Hicguet. 1,587,645; Mower attachment. E. Kocourek. 1,587,591; June 8.
Mowing machine. A. Rutishauser and J. Fahrni. 1,587,862; June 8.
Mowing machines, Seed-gathering attachment for. L. F. Morrison. 1,587,546; June 8.
Music stand. I. Anderson. 1,587,741; June 8.
Musical instrument, Brass and like wind. P. Suchy. 1,588,390; June 8.
N-acyl derivatives of 5-amino-3-chloro-4-hydroxybenzene-1-arsonic acid. L. Benda. 1,588,382; June 8.
Nail stripper. H. C. Hamer. 1,587,723; June 8.
Name plate. F. W. Glossbrenner. Des. 70,322; June 8.
Napkin or article of similar nature, Table. A. Wedl. Des. 70,347; June 8.
Needle and its use. F. C. Stephens. Re16,360; June 8.
Negative holder for retouching purposes. K. S. Melikian. 1,587,599; June 8.
Nitration process. M. B. Hopkins. 1,588,027; June 8.
Nitrocellulose, Reducing the viscosity characteristics of. L. E. Branchen. 1,588,089; June 8.
Nitrogen, Production of oxygen-free. F. J. Metzger. 1,588,258; June 8.
Nonresonant system. R. V. L. Hartley. 1,587,520; June 8.
Oil burner. J. A. Owen. 1,587,798; June 8.
Oil burner, Fuel-. E. O. Linton. 1,588,388; June 8.
Oil-burning furnace. H. J. G. Rudolf. 1,588,270; June 8.
Oil, Centrifugal purifying apparatus for lubricating. L. Salves. 1,587,800; June 8.
Oil-level indicator. J. Dearmann. 1,588,015; June 8.
Oil or other liquids upon fibers and the like, Apparatus for distributing. F. Spivey. 1,588,062; June 8.
Oil, Preparing a lubricating. W. D. Rial. 1,587,859; June 8.
Oil wells, Automatic fluid cut-off for. C. E. Frazier. 1,587,714; June 8.
Oil wells, Sand cap for. G. A. Seguine. 1,588,198; June 8.
Oils, Desulphurizing. E. M. Johansen. 1,587,649; June 8.
Ore-reducing furnace. W. Winkelman. 1,588,217; June 8.
Ores, Flotation of. H. W. Morse. 1,587,789; June 8.
Outlet fitting. R. B. Benjamin and T. H. Harris. 1,587,748; June 8.
Oven regulator, Coke-producing-. W. M. Shallcross. 1,588,149; June 8.
Ovens, Gas-burner structure for bakers'. E. H. Potter and C. S. Sharp. 1,587,851; June 8.
Packing machine. E. D. Anderson. 1,588,156; June 8.
Pad: *See*—
Knee pad. Recoil pad.
Pails, Funnel attachment for. G. M. Bartlett. 1,587,934; June 8.
Paint. G. A. Shine. 1,588,150; June 8.
Paint-mixing machine. A. F. Purser. 1,588,333; June 8.
Paper caddies, Cover for. H. Plautz. 1,587,602; June 8.
Paper cutter. C. Dull. Des. 70,321; June 8.
Paper-feed device. P. W. Fleischer. 1,587,639; June 8.
Paper, Making. R. E. Daniels. 1,587,700; June 8.
Paper-making machinery. E. Mahler. 1,587,784; June 8.
Paper, Method and apparatus for making. R. B. Daniels. 1,587,699; June 8.
Paper production, Refining engine for. J. T. Murphy. 1,588,044; June 8.
Paper, Roll for making corrugated. P. Knopf. 1,587,963; June 8.
Paper, Safety. B. W. Smith. 1,588,201; June 8.
Partition, Railway-cattle-car. T. L. Purves. 1,588,334; June 8.
Pencil box. H. B. Grossnickle. 1,588,351; June 8.
Pedomotor, Marine. E. Iskowitz. 1,587,732; June 8.
Penholder. F. T. Warner. 1,588,284; June 8.
Phones, Ear-loop attachment for deaf. N. Harman. 1,587,648; June 8.
Phonographs, Starting attachment for Edison. R. Thompson. 1,587,875; June 8.
Picker: *See*—
Fruit picker.
Picture-film guide, Motion-. O. Wittel. 1,588,082; June 8.
Picture-projecting machine and the like, Motion-. A. S. Howell. 1,587,955; June 8.
Piece goods, Machine for wrapping up. G. Schlibach. 1,587,556; June 8.
Piezo-electric device. A. L. R. Ellis. 1,588,176; June 8.
Pigment and making the same, Composite. H. Dourif. 1,587,704; June 8.
Pile fabric. J. Leiper. Des. 70,335–7; June 8.
Pin: *See*—
Wrist pin.
Pipe box and cut-off, Service-. H. S. Isham. 1,588,371; June 8.
Pipe connections, Device for applying flexible. O. J. Weiss and A. J. Brown. 1,587,689. June 8.
Pipe-holding bracket. C. W. Godwin. 1,588,350; June 8.
Pipe support and paper weight, Combined. S. E. Guinn. Des. 70,323; June 8.
Pipes, Repairing water. T. De La Mare. 1,587,701; June 8.
Piston for internal-combustion engines. J. W. Broski, H. L. Harvey, and C. S. Riner. 1,588,303; June 8.
Piston ring. C. W. Knight. 1,587,590; June 8.
Piston ring. F. W. Lundy. 1,587,970; June 8.
Pitman. J. P. Neilson, sr. 1,588,138; June 8.
Pitman connection. S. H. Whitney. 1,587,887; June 8.
Plaque. V. S. Benjamin. Des. 70,311; June 8.
Plaque for wall brackets. H. H. Wolter. Des. 70,352–3; June 8.
Plate or similar article. U. Hagmann. Des. 70,324–7; June 8.
Planters, Marker for. H. T. Lindgren. 1,587,660; June 8.
Plants and bushes, Support for. G. E. Wiswell. 1,587,740; June 8.
Plaster building board. J. Schumacher. 1,588,058; June 8.
Plastic material, Aerating and mixing. J. Schumacher. 1,588,059; June 8.
Plow, Peanut. T. C. Brown. 1,587,694; June 8.
Plug gauge. B. M. W. Hanson. 1,588,362; June 8.
Pneumatic impulse relay. A. J. Brookins. 1,587,817; June 8.
Polishing and like machine, Hat-. F. H. Eve and W. J. Wood. 1,587,825; June 8.
Polishing compound. F. W. Alpers. 1,588,290; June 8.
Polishing implement and polishing strip therefor. P. C. P. Booty. 1,588,160; June 8.
Polishing machine, Metal-. E. V. Schaal. 1,588,189; June 8.
Polishing tool. P. Koreneff. 1,587,843; June 8.
Powder puff. R. E. Hankar. 1,587,948; June 8.
Power-impulse equalizer. W. S. Harley. 1,587,724; June 8.
Power loaders, Hoist for. S. Shafer, jr., and A. Reuss. 1,588,276; June 8.
Power-transmission device. W. H. Kadesch. 1,587,778; June 8.
Power-transmitting mechanism. A. W. Burks. 1,588,009; June 8.

Power-lift mechanism. O. W. Howard and H. P. Corbin. 1,587,648; June 8.
Press: *See*—
Printing press. Shirt press.
Princess slip. A. Gulitz. 1,588,357; June 8.
Printing machine. L. C. Rawson. 1,587,854; June 8.
Printing machine, Combined dot and flat cloth. L. L. De Smet. 1,588,318; June 8.
Printing machine, Stencil-. H. P. Elliott. 1,588,099; June 8.
Printing machines, Automatic controlling device for. C. C. Schutte. 1,588,275; June 8.
Printing press. W. H. Granger. 1,587,772; June 8.
Printing presses, Paper feed, printing, and inking control mechanism for. C. L. Low. 1,587,968; June 8.
Puller: *See*—
Bearing-sleeve puller.
Pulp from hulls, Making. J. F. and H. F. J. Puttaert. 1,588,335; June 8.
Pulp washer. K. Kiefer. 1,588,236; June 8.
Pulverizing machine. D. T. Fisher. 1,587,769; June 8.
Pump. J. A. Grosvenor. 1,587,642; June 8.
Pump. E. L. Moore. 1,588,040; June 8.
Pumping mechanism, Gearing for well. J. A. Moller and A. B. Jenks. 1,587,975; June 8.
Rack: *See*—
Display rack. Stock rack.
Racket. C. C. Morrison. 1,587,919; June 8.
Racket frame. C. C. Morrison. 1,587,918; June 8.
Radiator-cap ornament. V. K. Newswenger. Des. 70,341; June 8.
Radiator, High-lift. S. P. Lyon. 1,588,247; June 8.
Radio receiving sets, Attachment for. E. C. Sallwasser. 1,588,338; June 8.
Radiosignaling, Method and apparatus for. R. A. Weagant. 1,587,880; June 8.
Radio signaling system. F. A. Kolster. 1,587,657; June 8.
Radio transmitting system, Wired. R. D. Duncan, jr. 1,587,764; June 8.
Radiotelephony and other sound reproduction, Sound funnel for. G. K. V. Jörgensen. 1,587,587; June 8.
Radium-barium salts and the like, Extracting radium from. H. Fleck. 1,588,383; June 8.
Rail shaper. C. E. Kielley. 1,587,962; June 8.
Rail-straightening device. W. Keely. 1,587,910; June 8.
Rail support. G. W. Muller. 1,587,791; June 8.
Railway booster. H. S. Vincent. 1,587,878; June 8.
Railway tie, Concrete. J. Hojnowski. 1,588,225; June 8.
Railway-tie construction. J. De Catur. 1,588,317; June 8.
Railway-track structure. R. A. Whittingham. 1,587,691; June 8.
Railway-traffic-controlling apparatus. H. O. Holte. 1,588,227; June 8.
Raker teeth, Gauge for. H. W. Wallace. 1,588,283; June 8.
Range and water heater, Combined electric. P. F. Apfel. 1,588,084; June 8.
Rat trap. J. J. Althausen. 1,587,494; June 8.
Rat trap. J. D. Hill, sr. 1,587,834; June 8.
Reading guide, Cross-. E. Whitmore. 1,587,886; June 8.
Receptacle or holder. J. W. Strickland. 1,587,874; June 8.
Recoil pad. W. G. Gibson. 1,587,946; June 8.
Recorder: *See*—
Time recorder.
Reel: *See*—
Antibacklash reel.
Reel. F. J. Feely. 1,588,017; June 8.
Reel-handling trailer. G. L. Knox. 1,587,842; June 8.
Refrigerating apparatus. J. G. King. 1,588,379; June 8.
Refrigerator. A. E. Doyle. 1,587,824; June 8.
Register detector, Sheet-. J. R. Blaine and C. Henderson. 1,587,501; June 8.
Regulator: *See*—
Electrical regulator. Water regulator.
Oven regulator.
Relay device. M. D. Church. 1,587,507; June 8.
Resilient system. E. E. Ross. 1,587,603; June 8.
Resilient wheel. J. T. Buckingham. 1,587,819; June 8.
Resilient wheel. J. S. Harris. 1,587,726; June 8.
Resins and the product thereof, Treating. C. F. Willard. 1,587,622; June 8.
Return trap. F. Elge. 1,587,636; June 8.
Rheostat. H. B. Warren. 1,587,996; June 8.
Rim lug nut lock. F. C. Moore. 1,587,976; June 8.
Ring: *See*—
Piston ring. Teething ring.
Ring or similar article, Finger. H. H. Barr. Des. 70,309; June 8.
Ring retainer lock, Stud-. J. E. Smith. 1,587,683; June 8.
Ring traveler. W. Harrop. 1,587,519; June 8.
Road dresser. R. A. Wammack. 1,588,152; June 8.
Road-grading machine. C. A. Mentzer. 1,587,667; June 8.
Road maintainer. J. D. and R. E. Adams. 1,587,625; June 8.
Road materials, Drier for. F. H. Cummer. 1,587,761; June 8.
Road-surfacing machine. C. C. Hansen. 1,587,949; June 8.
Roads and paths, Construction of. J. E. Spagnoletti and A. S. Grunspan. 1,588,151; June 8.
Rod: *See*—
Connecting rod.
Roller: *See*—
Lithographic roller.
Rope holder. J. J. Reitz. 1,587,858; June 8.
Rope trip, Bull-. C. H. Curtis. 1,588,095; June 8.
Rotary drier. W. A. Harty and F. W. Moore. 1,587,727; June 8.
Rotating bodies, Balancing. H. M. Stephenson. 1,588,205; June 8.
Rotor, Fluid-turbine. A. R. Siegler. 1,587,608; June 8.
Rubber and cork articles, Manufacture of. R. Grimoin-Sanson. 1,588,103; June 8.
Rubber articles, Treatment of. T. Midgley and R. B. Naylor. 1,587,543; June 8.
Rubber product, Making molded. C. C. Loomis. 1,587,537; June 8.
Run-down box. E. C. Weisgerber. 1,588,071; June 8.
Safety switch. O. H. Van Amburg and L. A. Kempton. 1,588,211; June 8.
Salmon trap, Floating. K. E. Hoel. 1,588,224; June 8.
Sand-blast apparatus. C. A. Wickstrom and J. S. Patey. 1,587,888; June 8.
Sand for foundry use, Conditioning. G. Walther. 1,587,621; June 8.
Savings device. W. W. Phelps. 1,587,987; June 8.
Saw, Composing-room. J. T. Johnson. 1,588,112; June 8.
Saw jointer. P. N. Latuff. 1,587,847; June 8.
Scaffold. E. Schuler. 1,588,195; June 8.
Scissors, Automatic. P. Gentile and F. De Jute. 1,587,718; June 8.
Scraper-setting tool. J. Gruller. 1,587,722; June 8.
Screen: *See*—
Fly screen.
Screw-threaded joint. G. A. Montgomery. 1,588,128; June 8.
Seam for sewed articles. C. W. Mueller. 1,588,130; June 8.
Seat, Portable. J. F. Dozier. 1,587,706; June 8.
Sewage-disposal apparatus. V. A. Lang. 1,587,846; June 8.
Sewing machine for felling bluff edges on coats, Blind-stitch. C. W. Mueller. 1,588,132; June 8.
Sewing machines. Needle-bar-controlling device for. J. Kerr. 1,588,030; June 8.
Sewing machines, Plunger-operating mechanism for blind-stitch. C. W. Mueller. 1,588,135; June 8.
Sewing machines, Work-crimping mechanism for blind-stitch. C. W. Mueller. 1,588,133; June 8.
Shade and drapery hanger, Adjustable window-. L. Robinson. 1,587,680; June 8.
Shaft mounting. A. McNab. 1,588,251; June 8.
Sharpener, Razor-blade. T. McAdoo. 1,588,322; June 8.
Sheet, Composite. H. S. Lewis. 1,588,243; June 8.
Sheet-feeding apparatus. A. Broadmeyer. 1,587,816; June 8.
Sheet-handling mechanism. O. C. F. Meisel. 1,588,125; June 8.
Sheet-mounting machine. M. Feybusch. 1,587,905; June 8.
Shingle, Composition. A. L. Brownrigg. 1,588,304; June 8.
Ships, Sound-receiving equipment for. W. Hahnemann and W. Rudolph. 1,588,358; June 8.
Shirt neckbands, Tool for folding. N. W. Jensen. 1,587,959; June 8.
Shirt press, Negligee-. D. H. Benjamin. 1,587,747; June 8.
Shock absorber. E. J. Kolodziej. 1,587,592; June 8.
Shock absorbers, Fitting for. J. P. Baldwin. 1,588,086; June 8.
Shoe. T. Davis. Des. 70,319; June 8.
Shoe. N. E. Hammerstrom. 1,588,360; June 8.
Shoe. C. A. Morin. 1,587,787; June 8.
Shoe having an ankle stiffener. J. E. Swanson. 1,587,562; June 8.
Shoe last. E. Altieri. 1,587,496; June 8.
Shoe, Snagproof. P. Gibeau. 1,587,720; June 8.
Shoes and making same, Heel for women's. A. L. Clapp. 1,587,697; June 8.
Shoes and other articles, Device for polishing. G. F. Nebelung. 1,587,670; June 8.
Shoes, Insole for. D. P. Cummings. 1,588,173; June 8.
Shoes, Rubber heel for. H. S. Willis. 1,587,571; June 8.
Shoes, Washable insole for. W. C. Campbell. 1,588,011; June 8.
Shot firer. M. L. McGraw. 1,587,664; June 8.
Shuttle. J. R. P. Irmischer. 1,587,730; June 8.
Shuttles, Guide for. B. Weglarski. 1,587,882; June 8.
Sign. G. A. LeFevre. 1,587,966; June 8.
Signal. W. Hortman. 1,588,370; June 8.
Signals, Magazine discharger for pyrotechnic. C. L. Paulus and R. Kauch. 1,588,261; June 8.
Silk, Apparatus for making threads and the like of artificial. H. Bader. 1,588,292; June 8.
Sinks, Attachment for. E. M. and H. J. Beland. 1,587,693; June 8.
Sinks, bathtubs, and the like, Flushing attachment for. G. Komarcsevits and F. G. Nunn. 1,588,320; June 8.
Skate. A. Palinkas. 1,587,601; June 8.
Slack adjuster. W. H. Sauvage. 1,588,145; June 8.

Slipper or similar article, Lady's. L. J. Coblentz. Des. 70,317; June 8.
Snare-wear-relieving device. G. Martens. 1,588,324; June 8.
Snubber. J. W. Barnes. 1,588,294; June 8.
Soap dispenser, Liquid-. H. E. Heine. 1,587,830; June 8.
Socket, Pull-switch. C. L. Hopkins. 1,587,837; June 8.
Sound amplifier. C. G. Hensley. 1,587,833; June 8.
Sound-producing device. L. J. Grubman. 1,588,354; June 8.
Sound-producing device. L. J. Grubman. 1,588,356; June 8.
Sound-wave variations, Method and apparatus for translating. T. W. Case. 1,588,170; June 8.
Spark-gap apparatus. G. D. Bagley. 1,587,932; June 8.
Speculum. W. J. Cameron. 1,587,897; June 8.
Spine-treating device. W. H. Trumbull. 1,587,737; June 8.
Spool, Metal. M. S. Hotchkiss. 1,588,228; June 8.
Spoons, Making. H. E. Ruckert. 1,588,057; June 8.
Spotlight, Dirigible. J. R. Wade. 1,588,213; June 8.
Sprayer. R. Garland. 1,587,583; June 8.
Sprayer, Paraffin-wax. C. E. Schenck. 1,587,736; June 8.
Spraying device, Face-. M. Landberg. 1,587,844; June 8.
Spring. M. W. Sharon. 1,587,801; June 8.
Spring end connection. R. R. Searles. 1,588,339; June 8.
Sputum-cup holder. D. R. Bulla. 1,587,937; June 8.
Stand: *See*—
Music stand.
Staple spreader, Fence-. T. A. Grosvenor. 1,588,352; June 8.
Stationery dispenser. H. Loewenbach. 1,588,119; June 8.
Stave machine. W. H. Brown. 1,588,345; June 8.
Steam-accumulator plant. J. D. Ruths. 1,587,861; June 8.
Steering mechanism for motor vehicles. C. W. Olson. 1,587,983; June 8.
Steering wheel, Heated. H. Hollis and C. B. Jonas. 1,587,586; June 8.
Stencil material. J. D. Grange. 1,588,020; June 8.
Stencil sheet. S. Horli. 1,587,954; June 8.
Stenographic machine. V. C. Dold. 1,588,097; June 8.
Stitch remover. M. Samuelian. 1,588,188; June 8.
Stock rack. C. E. Maynard. 1,587,540; June 8.
Stocking. J. P. Nissen. Des. 70,342; June 8.
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Stop mechanism. F. N. La Chapelle. 1,587,965; June 8.
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Superairship. J. E. Broyles. 1,587,895; June 8.
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Surface washer. F. G. Stone. 1,587,873; June 8.
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Swimming apparatus. R. H. Scroggins. 1,587,605; June 8.
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Switch mechanism, Safety. J. R. Kelley. 1,588,377; June 8.
Switch-throwing device. H. A. Heyne. 1,588,366; June 8.
Talking machines, Control device for. M. de Wrangel. 1,587,763; June 8.
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Tanks, Attachment for brine. W. Brownlow. 1,588,163; June 8.
Teething ring. H. G. Jorgensen. 1,587,960; June 8.
Telephone. J. F. Williams. 1,587,811; June 8.
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Telephone-exchange system. J. F. Toomey. 1,587,620; June 8.
Telephone receiver. H. Gernsback. 1,587,719; June 8.
Telephone receiver. S. Gernsback. 1,587,828; June 8.
Telephone system. R. C. M. Hastings. 1,588,109; June 8.
Telephones, Attachment for. G. S. Lane. 1,587,845; June 8.
Telephony. F. Lowenstein. 1,587,595; June 8.
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Temperature-controlled, temperature-indicating and time-duration-indicating device. J. Willmann. 1,588,287; June 8.
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Tent frame. F. Berry. 1,588,391; June 8.
Tentering machine. H. W. Butterworth, jr. 1,587,896; June 8.
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Thinning-out and weeding machine. A. Christensen and A. W. Warsen. 1,588,309; June 8.
Thread cops, Support for. C. B. Warren. 1,588,069; June 8.
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Tie plates, Making. L. C. Pritner and L. S. Paul. 1,587,553; June 8.
Time recorder, Workman's. J. Brendle. 1,588,090; June 8.
Tire chains, Shackle for. N. C. Nelson. 1,587,980; June 8.
Tire lock, Spare-. F. E. Beach. 1,587,498; June 8.
Tire mold. W. J. Beitel. 1,587,577; June 8.
Tire pop valve. N. S. Nelson. 1,588,046; June 8.
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Tongs, Safety tie for. W. L. Bessolo. 1,587,892; June 8.
Tool and making the same. E. N. Taylor. 1,587,805; June 8.
Tool, Magnetic hand. W. J. and E. J. Hood. 1,587,647; June 8.
Tool, Pneumatic. W. A. Smith. 1,587,611; June 8.
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Toy. G. R. Williams. 1,587,739; June 8.
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Twisting and winding apparatus. C. W. Hubbard. 1,587,729; June 8.
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Typewriting and computing machine, Combined. H. Resch. 1,587,989; June 8.
Unit mounting, Emergency. O. N. Wiswell. 1,588,081; June 8.
Uppers over lasts, Machine for working. C. De Minico. 1,587,823; June 8.
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Vacuum preserving device. F. V. Winters. 1,588,079-80; June 8.
Vaginal washer. W. T. Varney. 1,588,344; June 8.
Valve apparatus. F. B. Vaughn. 1,587,877; June 8.
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Valve, Coke-oven damper. J. McIntosh and J. W. Miller. 1,587,972; June 8.
Valve, Electromagnetic. W. R. Ray. 1,587,921; June 8.
Valve grinder. J. E. Pelletier. 1,588,331; June 8.
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Valve swing-spout package, Conical-. O. N. Wiswell. 1,588,218; June 8.
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Vehicles, Central buffer coupling for railway and like. J. Mitchell and J. C. G. Cossey. 1,588,326; June 8.
Vehicles, Driving mechanism for motor. S. Munson. 1,588,260; June 8.
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Vehicles, Wheel for motor. L. Rouanet. 1,587,923; June 8.
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Vessel, Floating. J. W. Isherwood. 1,587,731; June 8.
Wagon construction. F. A. Macnab. 1,588,323; June 8.
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Wagon end gate and scoop board combined. G. C. Myerly. 1,587,978; June 8.
Wall, Building. F. E. Peters. 1,588,332; June 8.
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Wall lighting fixture. E. Kemeny. Des. 70,330; June 8.
Wall, Movable. R. S. Sprigg. 1,587,803; June 8.
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Washer: *See*—
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Surface washer.
Washing machine. T. Disch. 1,587,703; June 8.
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Water-elevating apparatus. H. Walch. 1,587,995; June 8.
Water regulator, Feed-. J. P. Qualey and A. F. Wulfleumler. 1,588,049; June 8.
Waterer, Hog. R. G. Peterson. 1,587,551; June 8.
Weather strip. W. J. Dennis. 1,587,633; June 8.
Wedge, Self-adjusting. R. Spence. 1,587,802; June 8.
Weeder. C. H. Howell. 1,588,230; June 8.
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Weights, Deflector for slip-actuated. C. E. Frazier. 1,587,715; June 8.
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Wheels, Felly and rim for. I. D. Walter. 1,587,929; June 8.
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Wheels, Shield for auto. G. R. Cunnington. 1,587,762; June 8.
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Winding and warping, Method of and apparatus for. E. A. Schulz. 1,588,196; June 8.
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Winding mechanism, Material-. A. H. Adams. 1,587,998; June 8.
Window. J. A. Heine. 1,587,831; June 8.
Window, Casement. T. B. Laycock. 1,587,658; June 8.
Window-control mechanism. S. W. Nicholson. 1,587,671; June 8.
Window-counterbalancing device. B. J. Goldsmith. 1,587,641; June 8.
Window guard. M. Schling. 1,587,604; June 8.
Window lock. J. Ando. 1,587,497; June 8.
Window screens, Metal frame for. J. H. Bost. 1,588,161; June 8.
Windshield cleaner. R. A. Rodrick. 1,587,554; June 8.
Windshield wing. J. E. Spencer. 1,588,202; June 8.
Wire fastener. G. F. Voight. 1,587,879; June 8.
Wire netting, Machine for making. E. S. Bond. 1,588,088; June 8.
Wireless signaling, Circuit arrangement for. M. Osnos. 1,588,047; June 8.
Wireless signaling systems. H. J. Round and A. McLellan. 1,587,924; June 8.
Wireless telegraphy, Means for supporting antennæ used in. R. St. George-Moore and G. S. Whitmore. 1,587,872; June 8.
Wood pulp, Production of. H. F. J. Puttaert. 1,587,799; June 8.
Wood substitutes, Manufacture of. R. Freudenberg. 1,587,827; June 8.
Woodworking machine. S. O. and E. Jacobs. 1,587,734; June 8.
Work support. F. L. MacKenzie. 1,587,848; June 8.
Wrapping machine. F. K. Arnold. 1,587,495; June 8.
Wrench. P. Hanford. 1,588,105; June 8.
Wrench. J. B. Raich. 1,587,852; June 8.
Wrench. W. H. Tully. 1,588,067; June 8.
Wringer. B. R. Thomas. 1,587,618; June 8.
Wrist pin, Expansion. L. Brandt. 1,587,752; June 8.
Yarn winding. M. Morrell. 1,588,042; June 8.
Yarn winding. M. Morrell. 1,588,259; June 8.
Zinc solutions, Purification of. T. P. Campbell. 1,587,695; June 8.

CLASSIFICATION OF PATENTS

ISSUED JUNE 8, 1926.

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10: 1,587,756
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180: 1,587,735
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

June 15, 1926

Adwear Process Sole Leather Machine Co., Philadelphia, Pa. Belting made of leather, fabric, and rubber. 214,090; June 15; Serial No. 222,207; published Apr. 6, 1926.

American Agricultural Chemical Company, The, New York, N. Y. Chemical agricultural fertilizers. 214,160; June 15; Serial No. 225,461; published Apr. 6, 1926.

American Glue Company, Boston, Mass. Abrasive papers and cloths. 214,201; June 15; Serial No. 219,102; published Mar. 16, 1926.

American Nature Association, Washington, D. C. Monthly magazine. 214,249; June 15; Serial No. 226,219; published Mar. 16, 1926.

American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 214,072; June 15; Serial No. 215,839; published Apr. 6, 1926.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 54,862; renewed July 31, 1926.

American Tissue Mills, Holyoke, Mass. Crepe paper. 214,122; June 15; Serial No. 190,044; published Oct. 6, 1925.

Anchor Milling & Grocery Company, doing business as Anchor Milling Company, Albuquerque, N. Mex. Wheat flour. 214,126; June 15; Serial No. 214,577; published Mar. 30, 1926.

Anheuser-Busch Brewing Association, assignor to Anheuser-Busch, Incorporated, St. Louis, Mo. Extract of malt and hops. 52,654; renewed May 15, 1926.

Anodine Pharmacal Company. (See Sugg, Rush.)

Ansted & Burk Co., The, Springfield, Ohio. Self-rising flour and wheat flour. 214,196; June 15; Serial No. 227,158; published Apr. 6, 1926.

Appleton Company, Lowell, Mass. Cotton piece goods. 214,184; June 15; Serial No. 227,822; published Apr. 6, 1926.

Arabalene Company, The. (See Evans, Clarence D., assignor.)

Armstrong Cork Company, Pittsburgh, Pa. Bottle and prescription corks. 55,475; renewed Aug. 14, 1926.

Associated Pennsylvania Constructors, Harrisburg, Pa. Monthly magazine. 214,275; June 15; Serial No. 224,068; published Mar. 23, 1926.

Aughinbaugh Canning Company, Baltimore, Md. Fruits and vegetables. 54,864; renewed July 31, 1926.

Avery, B. F., & Sons, Louisville, Ky. Plows, cultivators, and harrows. 51,813; renewed Apr. 24, 1926.

Ayres, F. C., Mercantile Company, The, Denver, Colo. Poultry feed. 214,138; June 15; Serial No. 225,908; published Mar. 30, 1926.

B. B. B. Pipe Co. Inc. (See Frankau, Adolph, & Co. Ltd., assignors.)

Bailey, Walter W., doing business as Bailey Paper Company, New York, N. Y. Printing paper coated with a composition of china clay, casein, and blanc fixe. 214,269; June 15; Serial No. 220,591; published Mar. 30, 1926.

Ballard, F. M., doing business as Simplex Soap Mnfg. Co., Santa Barbara, Calif. Soap. 214,215; June 15; Serial No. 205,984; published Mar. 31, 1925.

Barcelona Products Co., Inc., New York, N. Y. Soap. 214,288; June 15.

Barrett Company, The. (See Eastern Granite Roofing Company, assignor.)

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Ready tar and felt roofing. 52,691; renewed May 15, 1926.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Coal-tar paint. 53,997; renewed June 19, 1926.

Bay City Grocer Co. (See Lee & Cady.)

Baylis, A. W., Co., New York, N. Y. Woven fabrics of silk, artificial silk, cotton, and wool and combinations thereof. 214,166; June 15; Serial No. 226,798; published Apr. 6, 1926.

Beaumont, S., & Fils, Roubaix, France. Hairpins. 54,734; renewed June 26, 1926.

Beaumont, S., & Fils, Roubaix, France. Hair wavers. 55,591; renewed Aug. 21, 1926.

Beckwith, Philo D., deceased; Fred E. Lee and Wm. G. Howard, executors, assignors to The Beckwith Company, Dowagiac, Mich. Cook stoves and ranges. 56,454; renewed Sept. 25, 1926.

Beispel, Herman, Inc., New York, N. Y. Ladies' tailored frocks. 214,293; June 15.

Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 214,157; June 15; Serial No. 227,823; published Apr. 6, 1926.

Bendix Brake Company, Chicago, Ill. Vehicle brakes and parts thereof and operating connections therefor. 214,284; June 15.

Benz, Geo., & Sons. (See Eminence Distillery Co.)

Berger Bros. Company, Philadelphia, Pa. Gutter miters, gutters, gutter outlets, and gutter end caps. 214,281; June 15.

Berman, Samuel, New York, N. Y. Plain and ornamental cakes. 214,188; June 15; Serial No. 226,467; published Apr. 6, 1926.

Biedermann Brothers, Inc., Chicago, Ill. Monthly publication. 214,142; June 15; Serial No. 226,627; published Mar. 23, 1926.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Toy carpet sweepers. 214,259; June 15; Serial No. 225,583; published Apr. 6, 1926.

Blabon, George W., Co., The, Nicetown, Philadelphia, Pa. Periodicals. 214,146; June 15; Serial No. 227,160; published Apr. 6, 1926.

Blackburn, I. R. and J. A. (See Pioneer Products Company, assignor.)

Blickenstaff, J. E., & Sons, Modesto, Calif. Fresh cantaloupes, peaches, and plums. 214,130; June 15; Serial No. 220,272; published Mar. 30.

Borck & Stevens, Bridgeport, Conn. Bread. 214,191; June 15; Serial No. 226,841; published Apr. 6, 1926.

Borgfeldt, Geo., & Co., New York, N. Y. Castile soap. 214,117; June 15; Serial No. 227,161; published Mar. 23, 1926.

Boucher, William, & Sons, Baltimore, Md. Cigars. 214,278; June 15; Serial No. 225,253; published Apr. 6, 1926.

Bougher, Clifford I., doing business as Norritex Hosiery Company, Norristown, Pa. Hosiery. 214,168; June 15; Serial No. 226,759; published Apr. 6, 1926.

Bourgoin, Francis W., doing business as Tops-All Overall Co., Webster Groves, Mo. Overalls. 214,179; June 15; Serial No. 227,711; published Apr. 6, 1926.

Boxboard Products Company, Manayunk, Philadelphia, Pa. Shipping containers. 214,235; June 15; Serial No. 227,162; published Apr. 6, 1926.

Brooks Company, The, Cleveland, Ohio. Record equipment in loose-leaf form. 214,204; June 15; Serial No. 221,943; published Mar. 9, 1926.

Brooks Company, The, Cleveland, Ohio. Record equipment in loose-leaf form. 214,230; June 15; Serial No. 226,939; published Mar. 23, 1926.

Brown, David S., New York, N. Y., to The Procter & Gamble Company, Cincinnati, Ohio, successor. Washing powder. 54,771; renewed July 31, 1926.

Burns, Harry, Los Angeles, Calif. Weekly publication. 214,147; June 15; Serial No. 227,340; published Apr. 6, 1926.

Bushnell-Dahlquist Press, Inc., Minneapolis, Minn. Calling cards, window cards, place cards, etc. 214,266; June 15; Serial No. 218,163; published Mar. 30, 1926.

Buxton, Incorporated, Springfield, Mass. Purses and pocketbooks. 214,165; June 15; Serial No. 226,802; published Apr. 6, 1926.

Buxton, Incorporated, Springfield, Mass. Purses and pocketbooks. 214,189; June 15; Serial No. 226,803; published April 6, 1926.

Buyer's Paper Co., The, Dayton, Ohio. Printing paper. 214,268; June 15; Serial No. 218,391; published Mar. 30, 1926.

Calgold Products Co., San Francisco, Calif. Table sirup. 214,240; June 15; Serial No. 225,503; published Mar. 30, 1926.

California Cordage Co. (See Klenzaid Manufacturing Company.)

California-Oregon Paper Mills, Los Angeles, Calif. Wrapping paper. 214,176; June 15; Serial No. 226,095; published Apr. 6, 1926.

Carle, John J. (See Chemical Works of America.)

Caroni Products Company, Inc., Brooklyn, N. Y. Bitters. 214,153; June 15; Serial No. 226,473; published Mar. 16, 1926.

Champion Blower & Forge Co., The, Lancaster, Pa. Blowers and forges and attachments thereto. 56,916; renewed Oct. 23, 1926.

Champion Blower & Forge Co., The, Lancaster, Pa. Metal-drilling machines. 56,952; renewed Oct. 30, 1926.

Character Studies, Inc., New York, N. Y. Magazines issued quarterly. 214,251; June 15; Serial No. 226,096; published Mar. 16, 1926.

Chemical Foundation, Incorporated, The. (See Lactoleum-Werke Ges. mit beschr. Haftg., assignor.)

Chemical Works of America, Stamford, Conn., to John J. Carle, doing business as John Carle & Sons, New York, N. Y. Disinfectants, germicides, and deodorizers. 46,740; renewed Oct. 3, 1925.

Cheramy, Inc., New York, N. Y. Toilet soaps and shaving creams. 214,202; June 15; Serial No. 220,447; published Mar. 30, 1926.

Chevalier, Leila, New York, N. Y. Title of magazine published monthly. 214,143; June 15; Serial No. 226,883; published Apr. 6, 1926.

Citrus Products Company, Chicago, Ill. Nonalcoholic, noncereal, maltless beverages and compounds and concentrates for making such beverages. 214,234; June 15; Serial No. 227,000; published Apr. 6, 1926.

Clemetsen Company, The, Chicago, Ill. Desks, desks having movable supports for typewriters and similar devices, etc. 214,109; June 15; Serial No. 211,258; published Feb. 23, 1926.
Cleveland Paper Manufacturing Company, The, Cleveland, Ohio. Printing papers. 214,223; June 15; Serial No. 226,332; published Mar. 30, 1926.
Climax Fuse Co., The, New York, N. Y., assignor to The Ensign-Bickford Co., Simsbury, Conn. Safety fuse for exploding gunpowder and other explosives. 56,488; renewed Oct. 2, 1926.
Climax Fuse Co., The, New York, N. Y., assignor to The Ensign-Bickford Co., Simsbury, Conn. Fuses. 56,489; renewed Oct. 2, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress shirts. 214,098; June 15; Serial No. 223,836; published Apr. 6, 1926.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 214,286; June 15.
Cohn, Morris, doing business as Crystal Chemical Co., Newark, N. J. Soap. 214,112; June 15; Serial No. 226,764; published Mar. 23, 1926.
Cohn & Rosenberger, Inc., New York, N. Y. Hand bags. 214,172; June 15; Serial No. 226,540; published Apr. 6, 1926.
Colebrookdale Iron Company, Colebrookdale, Pa. Food-chopping machines. 56,553; renewed Oct. 9, 1926.
Colgate & Company, Jersey City, N. J. Soap. 214,092; June 15; Serial No. 222,314; published Mar. 23, 1926.
Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France. Special glue for pasteboard. 214,128; June 15; Serial No. 216,456; published Mar. 30, 1926.
Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,371; renewed Aug. 14, 1926.
Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,447; renewed Aug. 14, 1926.
Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,560; renewed Aug. 14, 1926.
Cook & Bernheimer Co., The, to The Cook & Bernheimer Co., New York, N. Y., successor. Bottles of square or cubical form. 50,666; renewed Mar. 27, 1926.
Co-Operative Foundry Co., Rochester, N. Y. Stoves, ranges, furnaces, and steam and hot-water heaters. 55,053–4; renewed Aug. 7, 1926.
Crystal Chemical Co. (See Cohn, Morris.)
Cummins Engine Company, Columbus, Ind. Internal-combustion engines. 214,074; June 15; Serial No. 212,483; published Apr. 6, 1926.
D. D. D. Company, Chicago, Ill. Medicine. 56,747; renewed Oct. 16, 1926.
Danger Trail, Inc., The, New York, N. Y. Monthly magazine. 214,114; June 15; Serial No. 227,063; published Mar. 16, 1926.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 214,298; June 15.
Dayton Company, The, Minneapolis, Minn. Monthly publication. 214,110; June 15; Serial No. 226,887; published Mar. 16, 1926.
Dayton Fan and Motor Company, The, Dayton, Ohio. Radio publication issued monthly. 214,201; June 15; Serial No. 226,948; published Mar. 30, 1926.
Defender Mfg. Company Inc., Long Island City, N. Y. Sheets, pillowcases, and bedspreads. 214,101; June 15; Serial No. 224,746; published Apr. 6, 1926.
Deisel-Wemmer Co., The, Lima, Ohio. Cigars. 56,556; renewed Oct. 9, 1926.
De Luze, A., & Fils, to Societe Anonyme Maison A. De Luze & Fils, Bordeaux, France, successor. Wines. 54,082; renewed June 19, 1926.
Dennison Manufacturing Company, Framingham, Mass. Tags, cards, seals, and cut-outs. 214,243; June 15; Serial No. 226,338; published Mar. 16, 1926.
Dennison Manufacturing Company, Framingham, Mass. Tags, cards, seals, and cut-outs. 214,244; June 15; Serial No. 226,419; published Mar. 16, 1926.
Dennison Manufacturing Company, Framingham, Mass. Tags, cards, seals, and cut-outs. 214,245; June 15; Serial No. 226,337; published Apr. 16, 1926.
Des Moines Bottling Works. (See Gutfreund, Gustav.)
Deutch-Lakretz Co., New York, N. Y. Ladies' and misses' fur coats. 214,297; June 15.
Dieux, Jean, Paris, France. Pamphlets, folders, booklets, books, magazines, etc. 214,210; June 15; Serial No. 224,749; published Apr. 6, 1926.
Dill Company, The, Norristown, Pa. Shaving soap, cream, and shaving sticks. 214,248; June 15; Serial No. 226,281; published Mar. 23, 1926.
Diversey Manufacturing Company, Chicago, Ill. Cleanser for cleaning receptacles and containers. 214,116; June 15; Serial No. 226,889; published Mar. 23, 1926.
Doob, M., Sons & Company, New York, N. Y. Handkerchief and lace piece goods. 214,108; June 15; Serial No. 210,718; published Apr. 6, 1926.
Dryden Rubber Company, Chicago, Ill. Hoof pads. 214,127; June 15; Serial No. 216,156; published Mar. 30, 1926.
Dudenhoefer, Jos., Company, Milwaukee, Wis. Sacramental wines. 214,224; June 15; Serial No. 226,345; published Apr. 6, 1926.
Eagle Malt Extract Company. (See Rosenstein, Emanuel D.)
Earnshaw Sales Company, Chicago, Ill. Magazine published monthly. 214,158; June 15; Serial No. 227,830; published Apr. 6, 1926.
Eastern Granite Roofing Company, The, assignor to The Barrett Company, New York, N. Y. Roofing material. 53,656; renewed June 12, 1926.
Eberle, J. N., & Co., to J. N. Eberle & Cie. Aktiengesellschaft, Augsburg-Pfersee, Germany, successor. Saws. 53,119; renewed May 29, 1926.
Eckerling Brothers, Chicago, Ill. Overalls, overall jackets, and pants. 214,175; June 15; Serial No. 226,134; published Apr. 6, 1926.
Egon Braun Aktiengesellschaft, Hamburg, Germany. Brandies, liquors, punches, alcoholic essences, and extracts. 214,097; June 15; Serial No. 223,694; published Apr. 6, 1926.
Ekroth Laboratories, Inc., New York, N. Y. Folders, pamphlets, and books. 214,137; June 15; Serial No. 225,778; published Apr. 6, 1926.
Elbe File & Binder Company, Inc., New York, N. Y. Stationers' supplies. 214,100; June 15; Serial No. 224,555; published Apr. 6, 1926.
El Campo Rice Milling Co., El Campo, Tex. Laying mash with buttermilk, rice bran, rice polish, and rice. 214,123; June 15; Serial No. 207,124; published Mar. 30, 1926.
Eminence Distillery Co., to Geo. Benz & Sons, St. Paul, Minn., successor. Whisky. 55,284; renewed Aug. 14, 1926.
Empire State Wine Company, Penn Yan, N. Y. Champagne. 55,678; renewed Aug. 21, 1926.
Enro Shirt Co., Inc., The, Louisville, Ky. Sport shirts. 214,199; June 15; Serial No. 211,991; published June 23, 1925.
Ensign-Bickford Co., The. (See Climax Fuse Co., assignor.)
Erhard & Söhne A. G., Gmund, Germany. Inkstands, blotters, seals, letter racks, etc. 214,200; June 15; Serial No. 218,616; published Apr. 6, 1926.
Evans, Clarence D., Healdsburg, assignor to The Arabalene Company, San Francisco, Calif. Preparation for the face and skin. 50,367; renewed Mar. 13, 1926.
Ever-Best Sales Company, Lexington, Ky. Tire-repair kits, blow-out patches, etc. 214,300; June 15.
Experimenter Publishing Company, Inc., New York, N. Y. Annual publication. 214,218; June 15; Serial No. 225,404; published Mar. 23.
Extra Standard, Washington, D. C. Lumber, dressed, or rough. 214,292; June 15.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 214,155; June 15; Serial No. 227,726; published Apr. 6, 1926.
Fahrney, Dr. Peter, & Sons Co., Chicago, Ill. Yearly publication. 214,156; June 15; Serial No. 227,729; published Apr. 6, 1926.
Fairbanks, E. & T., and Company, St. Johnsbury, Vt. Weighing scales and appurtenances thereof. 55,449; renewed Aug. 14, 1926.
Fashion Institute, Inc., The, Chicago, Ill. Lessons, instruction sheets, and printed lectures. 214,274; June 15; Serial No. 225,355; published Mar. 30, 1926.
Fischer, B., & Co., Inc., New York, N. Y. Tapioca. 214,304; June 15.
Fischer, B., & Company, Inc., New York, N. Y. Spices. 214,305; June 15.
Flexlume Corporation, Tonawanda, N. Y. Glass letters and characters and glass letter plates, etc. 214,185; June 15; Serial No. 227,885; published Apr. 6, 1926.
Foley Bros. Grocery Company, St. Paul, Minn. Pickles, olives, peanut butter, olive oil, catchup, etc. 214,111; June 15; Serial No. 184,606; published Mar. 30, 1926.
Foster-Milburn Co., Buffalo, N. Y. Oil for external and internal use. 56,208; renewed Sept. 4, 1926.
Fownes Brothers & Co., London, England, and New York, N. Y., assignor to Fownes Brothers & Co. Inc., Gloversville, Amsterdam, and New York, N. Y. 52,137; renewed May 1, 1926.
Franco-Belgique Tours Co., Ltd., New York, N. Y. Publication issued at irregular intervals. 214,085; June 15; Serial No. 217,341; published Apr. 6, 1926.
Frankau, Adolph, & Co. Ltd., London, England, assignor to B. B. B. Pipe Co. Inc., New York, N. Y. Tobacco pouches and receptacles. 55,031; renewed Aug. 7, 1926.
Galion Iron Works & Mfg. Co., The, Galion, Ohio. Blades for road graders. 214,174; June 15; Serial No. 226,285; published Apr. 6, 1926.
Garson, Laurence M., Pittsburgh, Pa. Children's play suits. 214,193; June 19; Serial No. 227,068; published Apr. 6, 1926.
Gebrüder Bernard, Offenbach-on-the-Main, to Gebrüder Bernard Aktiengesellschaft, Regensburg, Germany. Smoking and chewing tobacco and snuff. 55,530; renewed Aug. 14, 1926.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Metal containers for packaging and shipping paints, tar products, wax, etc. 214,257; June 15; Serial No. 225,604; published Apr. 6, 1926.
Gilpin, Langdon & Company, Incorporated, to Gilpin, Langdon & Company, Incorporated, Baltimore, Md., successor. Insect powder. 52,420; renewed May 8, 1926.
Gisholt Machine Company, Madison, Wis. Machinery. 56,496; renewed Oct. 2, 1926.

Globe-Wernicke Co., The, Norwood, Ohio. Angular celluloid tab guides. 214,265; June 15; Serial No. 205,207; published Mar. 30, 1926.
Goodrich, B. F., Company, The, New York, N. Y. Dredging sleeves. 214,094; June 15; Serial No. 223,227; published Apr. 6, 1926.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 214,306; June 15.
Gordon Baking Company, Detroit, Mich. Cakes. 214,194; June 15; Serial No. 227,070; published Apr. 6, 1926.
Graham, George W., assignor to Graham Products Laboratories, Incorporated, New York, N. Y. Stove polish. 214,075; June 15; Serial No. 214,477; published Mar. 30, 1926.
Grant, W. T., Co. (See Tobacco Rehandling Co., Ltd., Inc.)
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Bleached and unbleached shirtings and sheetings, cambrics, and long cloth. 53,264; renewed May 29, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Bleached and unbleached shirtings and sheetings, cambrics, and long cloth. 54,220; renewed June 19, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Bleached and unbleached shirtings and sheetings, cambrics, and long cloth. 54,565; renewed June 26, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Textiles. 55,796; renewed Aug. 21, 1926.
Grinnell Willis & Co., assignor, by mesne assignments, to Ridley Watts & Co., New York, N. Y. Bleached and half-bleached cotton piece goods. 56,099; renewed Aug. 21, 1926.
Grove City Creamery, The, Grove City, Pa. Butter, cheese, and eggs. 214,261; June 15; Serial No. 214,206; published Mar. 30, 1926.
Gugenheim, Albert M., doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., Cincinnati, Ohio. Culinary flavoring extracts for table use. 214,256; June 15; Serial No. 225,711; published Mar. 30, 1926.
Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Petroleum burning oils. 48,783; renewed Jan. 16, 1926.
Gutfreund, Gustav, doing business as Des Moines Bottling Works, Des Moines, Iowa. Ginger ale and other flavors. 214,233; June 15; Serial No. 227,014; published Apr. 6, 1926.
H-O (Hornby's Oatmeal) Company, New York, N. Y., assignor to Hecker-H-O Company, Inc., Buffalo, N. Y. Rolled and ground oats. 56,827; renewed Oct. 23, 1926.
Hagan & Dodd Co., Atlanta, Ga. Ginger ale. 57,023; renewed Oct. 30, 1926.
Hall Paper & Specialties Co., The, New York, N. Y. Gummed paper and gummed cloth. 214,285; June 15.
Hanan & Son, Brooklyn, N. Y. Leather and cloth boots, shoes, and slippers. 55,349; renewed Aug. 14, 1926.
Hawn, Franklin H. (See Hoon, Nettie M., assignor.)
Hearn, Perry W., doing business as United Advertising Agency, Fort Wayne, Ind. Books for accounting. 214,276; June 15; Serial No. 224,507; published Mar. 23, 1926.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, silk, artificial silk, or composed of at least two of these materials, and embroideries, all in the piece. 214,102; June 15; Serial No. 188,478; published Apr. 6, 1926.
Hecker-H-O Company, Inc. (See H-O (Hornby's Oatmeal) Company, assignor.)
Henle Wax Paper Mfg. Co. Inc., The, New York, N. Y. Paraffin-treated parchment bond paper. 214,237; June 15; Serial No. 227,308; published Mar. 30, 1926.
Herendeen, C., & Son, Chicago, Ill. Bread-improving compound. 214,140; June 15; Serial No. 226,287; published Mar. 30, 1926.
Hermetite Corporation, New York, N. Y. Paper rendered moisture and air proof. 214,270; June 15; Serial No. 222,239; published Mar. 23, 1926.
Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y. Clothing. 214,294; June 15.
Hires, Charles E., Company, The, to The Charles E. Hires Company, Philadelphia, Pa., successor. Root beer, root-beer extract, and dry ingredients for making root beer. 54,465; renewed June 26, 1926.
Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 214,171; June 15; Serial No. 226,653; published Apr. 6, 1926.
Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 214,263; June 15; Serial No. 211,473; published Mar. 30, 1926.
Hoffman, J. S., Company, Chicago, Ill. Cheese. 214,124; June 15; Serial No. 209,125; published Feb. 23, 1926.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 214,299; June 15.
Holliston Mills Inc., The, Norwood, Mass. Cloth having adhesive qualities. 214,282; June 15.
Hoon, Nettie M., assignor to Franklin H. Hawn, doing business as Savol Chemical Company, Mercer, Pa. Antiseptic solution. 52,142; renewed May 1, 1926.
Hoover Company, The, North Canton, Ohio. Publication. 214,262; June 15; Serial No. 213,646; published Mar. 23, 1926.
Horii, Shinjiro, Tokyo, Japan. Stencil sheets. 214,207; June 15; Serial No. 223,582; published Apr. 6, 1926.
House, Everett W., doing business as Improved Form & Record Co., New York, N. Y. Desk rack and document file. 214,232; June 15; Serial No. 226,959; published Mar. 30, 1926.
Howard, Wm. G., et al., executors. (See Beckwith, Philo D.)
Hudson Motor Car Company, Detroit, Mich. Gasoline passenger automobiles. 214,287; June 15.
Hurwitz, Louis, Philadelphia, Pa. Picture postcards. 214,213; June 15; Serial No. 208,100; published Mar. 23, 1926.
Illinois State Journal, Springfield, Ill. Daily newspaper. 214,252; June 15; Serial No. 226,003; published Mar. 16, 1926.
Imperial Metal Polish Co. (See Rath, Chas., assignor.)
Improved Form & Record Co. (See House, Everett W.)
Indianapolis Fancy Grocery Co., Indianapolis, Ind. Canned vegetables and fruits, tomato catchup, etc. 214,113; June 15; Serial No. 226,656; published Mar. 30, 1926.
Interlake Tissue Mills Co. Ltd., Merriton, Ontario, Canada. Toilet paper, toweling, etc. 214,078; June 15; Serial No. 185,707; published June 10, 1924.
International Paper Company, New York, N. Y. Section of a periodical magazine. 212,144; June 15; Serial No. 227,074; published Apr. 6, 1926.
Jacobson, Peter N., jr., assignor to Peter N. Jacobson Cigar Co., Davenport, Iowa. Cigars. 56,998; renewed Oct. 30, 1926.
Japan Paper Company, New York, N. Y. Italian hand-made printing paper. 214,164; June 15; Serial No. 225,018; published Apr. 6, 1926.
Johns, Joseph L., Manhattan, Kans. Candy bar and an ice-cream brick. 214,089; June 15; Serial No. 222,128; published Dec. 22, 1925.
Johnson & Johnson. (See Lee, J. Ellwood, Company, assignor.)
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Japan matting, tents, rubber stair pads, etc. 214,303; June 15.
Keating, James K., doing business as Speed-A-Way Manufacturing Co., Chillicothe, Ohio. Patches for inner tubes for pneumatic tires. 214,088; June 15; Serial No. 221,618; published Apr. 6, 1926.
Kelley-Clarke Co., Seattle, Wash. Canned fish. 56,962; renewed Oct. 30, 1926.
Kelley-Clarke Co., Seattle, Wash. Canned fish. 56,988; renewed Oct. 30, 1926.
Kerr & Company, New York, N. Y. Metallic belt lacing. 55,084; renewed Aug. 7, 1926.
Keystone Varnish Company, Brooklyn, N. Y. Varnishes, japans, liquid fillers, and waterproof finish. 55,506; renewed Aug. 14, 1926.
Kienzle Clock Company, The. (See Schlenker & Kienzle, assignor.)
King, J. B., & Co., New York, N. Y., assignor to United States Gypsum Company, Chicago, Ill. Cement plaster. 54,517; renewed June 26, 1926.
Klenzall Manufacturing Company, Atlanta, Ga., and Orange, Calif., doing business as California Cordage Co., Orange, Calif. Mops, dust mops, counter mops, and automobile dust cloths. 214,205; June 15; Serial No. 222,847; published Apr. 6, 1926.
Kroyer, John M., Los Angeles, Calif. Internal-combustion engines. 214,197; June 15; Serial No. 227,180; published Apr. 6, 1926.
Labatt, John, assignor to John Labatt, Limited, London, Ontario, Canada. Porter. 57,040; renewed Oct. 30, 1926.
Lactoleum-Werke Ges. mit beschr. Hftg., Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Composition of matter. 55,544; renewed Aug. 14, 1926.
Lafayette-South Side Bank of St. Louis, St. Louis, Mo. Periodical publication and magazine. 214,247; June 15; Serial No. 226,291; published Mar. 16, 1926.
Lambert Pharmacal Company, St. Louis, Mo. Tooth powder. 55,690; renewed Aug. 21, 1926.
Laws, William, jr., New Smyrna and Orange City, Fla. Beverages and sirups for making the same. 214,236; June 15; Serial No. 227,183; published Apr. 6, 1926.
Le Boeuf Fountain Pen Co., Inc., Springfield, Mass. Fountain pens. 214,264; June 15; Serial No. 209,995; published Mar. 30, 1926.
Lee & Cady, doing business as Bay City Grocer Co., Bay City, Mich. Bread and pastry wheat flour. 214,135; June 15; Serial No. 224,772; published Mar. 30, 1926.
Lee, Fred E., et al., executors. (See Beckwith, Philo D.)
Lee, J. Ellwood, Company, Conshohocken, Pa., assignor to Johnson & Johnson, New Brunswick, N. J. Splints. 55,538; renewed Aug. 14, 1926.
Lefkowitz, L. J. & M., Inc., New York, N. Y. Hand bags. 214,195; June 15; Serial No. 227,125; published Apr. 6, 1926.
Lehigh Coal and Navigation Company, The, Philadelphia, Pa. Coal. 56,244; renewed Sept. 4, 1926.
Levy, Maurice, New York, N. Y. Powder puffs. 214,222; June 15; Serial No. 226,106; published Apr. 6, 1926.
Levy, Maurice, New York, N. Y. Powder puffs. 214,254; June 15; Serial No. 225,886; published Mar. 23, 1926.

Little, Calvin W., to Clarence D. Little, Susan E. Little, and John W. Little, doing business as Calvin W. Little, New York, N. Y., successors. Medals and badges. 54,358; renewed June 26, 1926.
Locke Shoe Company, Wheeling, W. Va. Boots and shoes. 56,501; renewed Oct. 2, 1926.
Longbottom Pipe Company. (See Rendall, William H.)
Louisiana State Rice Milling Company, Inc., New Orleans, La. Rice. 214,095; June 15; Serial No. 223,395; published Apr. 6, 1926.
Lustre Chemical Corporation, Rochester, N. Y. Cleaning preparations for kitchen, household, and laundry uses. 214,214; June 15; Serial No. 208,058; published Mar. 16, 1926.
Lyman Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. 214,148; June 15; Serial No. 227,360; published Apr. 6, 1926.
Marshall Field & Company, Chicago, Ill. Corsets. 50,049; renewed Feb. 27, 1926.
Mason, Albert G., to White Sewing Machine Corporation, Cleveland, Ohio, successor. Sewing machines, covers, stands, tables, and attachments. 56,289; renewed Sept. 4, 1926.
Masury-Young Company, Charlestown, Mass. Oil and liquid soaps, soap powder, etc. 214,203; June 15; Serial No. 221,754; published Mar. 16, 1926.
Mayflower Mills, Fort Wayne, Ind. Plain and self-rising flour. 214,073; June 15; Serial No. 216,467; published Apr. 6, 1926.
Menasha Printing and Carton Company, Menasha, Wis. Paper napkins. 214,190; June 15; Serial No. 226,813; published Apr. 6, 1926.
Mentele, Louise M., Epiphany, to Louise M. Mentele-Doty, Sioux Falls, S. Dak., successor. Remedies. 56,931; renewed Oct. 23, 1926.
Merit Publishing Company, The, Cleveland, Ohio. Monthly magazine. 214,149; June 15; Serial No. 227,590; published Apr. 6, 1926.
Merit Publishing Company, The, Cleveland, Ohio. Monthly magazine. 214,154; June 15; Serial No. 227,663; published Apr. 6, 1926.
Meukow, A. C., & Co., assignor to T. D. Shepherd & Co., Cognac, France. Cognac brandy. 52,208; renewed May 1, 1926.
Midland Chemical Laboratories, Inc., Dubuque, Iowa. Soap product. 214,177; June 15; Serial No. 226,011; published Apr. 6, 1926.
Midwest Paper Company, Chicago, Ill. Bond paper. 214,221; June 15; Serial No. 226,070; published Mar. 30, 1926.
Mignon Dress Co., Inc., New York, N. Y. Misses' and women's dresses, coats and suits. 214,083; June 15; Serial No. 218,861; published Apr. 6, 1926.
Mildeberger, Henry D., New York, N. Y. Weekly column of comments. 214,159; June 15; Serial No. 227,955; published Apr. 6, 1926.
Miller Company, The, Meriden, Conn. Glass globes and reflectors. 214,187; June 15; Serial No. 227,958; published Apr. 6, 1926.
Milward, Henry, & Sons, Limited, Redditch, England. Needles for hand and machine sewing. 52,328; renewed May 8, 1926.
Milward, Henry, & Sons, Limited, Redditch, England. Fishhooks. 52,485; renewed May 8, 1926.
Milward, Henry, & Sons, Limited, Redditch, England. Needles for hand sewing. 55,243; renewed Aug. 7, 1926.
Minneapolis Brewing Company, Minneapolis, Minn. Malt extract. 55,270; renewed Aug. 14, 1926.
Minute Tapioca Co. (See Whitman Grocery Company, assignor.)
Mitchell, Allen R., & Son. (See Shackamaxon Worsted Co., assignor.)
Moen, C. R., La Crosse, Wis. Photoprints. 214,260; June 15; Serial No. 214,736; published Mar. 30, 1926.
Monogram Lens Corporation, New York, N. Y. Light-transmitting lenses and plates for use in lamps for vehicles. 214,103; June 15; Serial No. 190,084; published Apr. 6, 1926.
Moreland Business Builders, Inc., Chicago, Ill. Pocket cardboard coin holders. 214,255; June 15; Serial No. 225,796; published Apr. 6, 1926.
Morning Telegraph Company, New York, N. Y. Nom de plume for a particular column of news in a newspaper. 214,129; June 15; Serial No. 219,545; published Apr. 6, 1926.
Morning Telegraph Company, New York, N. Y. Column of news in a newspaper. 214,132; June 15; Serial No. 222,271; published Mar. 23, 1926.
Morning Telegraph Company, New York, N. Y. Nom de plume for particular column of news in a newspaper. 214,150; June 15; Serial No. 227,593; published Apr. 6, 1926.
Mortimer, Celia I., Crystal Springs, Miss. Newspaper articles. 214,271; June 15; Serial No. 223,533; published Mar. 30, 1926.
National Distilling Co., assignor to Red Star Yeast and Products Company, Milwaukee, Wis. Yeast. 55,768; renewed Aug. 21, 1926.
National Sanding Machine Company, Chicago, Ill. Sandpaper. 214,079; June 15; Serial No. 208,670; published Mar. 30, 1926.
Newark Newsdealers Supply Co., Incorporated, Newark, N. J. Annual magazine. 214,279; June 15; Serial No. 225,887; published Mar. 16, 1926.
New Eve Publishing Company, Incorporated, The, New York, N. Y. Magazines issued monthly. 214,217; June 15; Serial No. 225,376; published Mar. 30, 1926.
New Orleans Packing Co., Inc., New Orleans, La. Malt sirup for beverage purposes. 214,225–6; June 15; Serial Nos. 226,671–2; published Apr. 6, 1926.
New Orleans Packing Co., Inc., New Orleans, La. Malt sirup. 214,227; June 15; Serial No. 226,674; published Apr. 6, 1926.
New Orleans Packing Co., Inc., New Orleans, La. Malt sirup. 214,229; June 15; Serial No. 226,673; published Apr. 6, 1926.
New Process Company, Warren, Pa. Handibags. 214,290; June 15.
No-Chap Company, Cisco, Tex. Washing powder. 214,118; June 15; Serial No. 227,277; published Mar. 23, 1926.
Norritex Hosiery Company. (See Bougher, Clifford I.)
Northern Paper Mills, Green Bay, Wis. Toilet paper. 214,277; June 15; Serial No. 225,029; published Mar. 23, 1926.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 214,099; June 15; Serial No. 223,937; published Apr. 6, 1926.
Oshkosh Trunk Company, The, Oshkosh, Wis. Trunks and hand luggage. 214,178; June 15; Serial No. 225,673; published Mar. 23, 1926.
Pacific Egg Producers Cooperative, Inc., New York, N. Y. Eggs. 214,198; June 15; Serial No. 227,412; published Apr. 6, 1926.
Parmer & Co., New York, N. Y. Bimonthly publication of financial information and offerings. 214,238; June 15; Serial No. 227,469; published Apr. 6, 1926.
Par Vell Laboratories, Columbus, Ohio. Drawing, tracing, vellum, and parchment paper. 214,239; June 15; Serial No. 227,597; published Mar. 30, 1926.
Passaic Print Works, Passaic, N. J., to Passaic Print Works, New York, N. Y. Calico prints. 56,966–7; renewed Oct. 30, 1926.
Paterson, Louise E., doing business as Sat-Ten Products Company, Wellesley, Mass. Chocolate sauce. 214,212; June 15; Serial No. 208,719; published Mar. 30, 1926.
Pennsylvania, Inc., Philadelphia, Pa. Hosiery for women. 214,120; June 15; Serial No. 227,680; published Apr. 6, 1926.
Pennzoil Co., Inc., The, Los Angeles, Calif. Publication issued monthly. 214,139; June 15; Serial No. 226,075; published Apr. 6, 1926.
Phosphor-Bronze Smelting Co. Limited, The, assignor to The Phosphor Bronze Smelting Company, Philadelphia, Pa. Metallic alloys. 55,096; renewed Aug. 7, 1926.
Phosphor-Bronze Smelting Co. Limited, The, assignor to The Phosphor Bronze Smelting Company, Philadelphia, Pa. Metallic alloys. 55,406; renewed Aug. 14, 1926.
Piedmont Mfg. Co., Piedmont, S. C. Sheetings. 56,578; renewed Oct. 9, 1926.
Pioneer Products Company, The, assignor, by mesne assignments to I. R. and J. A. Blackburn, doing business as The Pioneer Products Company, Dayton, Ohio. Soap. 214,121; June 15; Serial No. 186,611; published Dec. 9, 1924.
Pittsburg Water Heater Company, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water-storage systems. 214,104; June 15; Serial No. 202,142; published Mar. 2, 1926.
Plummer, Orla R., doing business as Plummers Handigrip Paint Spray Co., Napoleon, Ohio. Paint-spraying devices. 214,302; June 15.
Plymouth Cordage Company, Plymouth, Mass. Rope and twine. 54,721; renewed June 26, 1926.
Post, Charles H., New York, N. Y. Dressing for machinery belts. 214,192; June 15; Serial No. 226,971; published Apr. 6, 1926.
Prescott, Amos L., assignor to J. L. Prescott Company, New York, N. Y. Polish. 52,733; renewed May 15, 1926.
Procter & Gamble Company, The. (See Brown, David S.)
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 214,115; June 15; Serial No. 226,915; published Mar. 30, 1926.
Rabin, Benjamin J., doing business as Robin Packing Co., New York, N. Y. Cheese. 214,134; June 15; Serial No. 224,360; published Mar. 30, 1926.
Railroad Buyers & Sellers Service Bureau, Chicago, Ill. Directories. 214,216; June 15; Serial No. 190,032; published Mar. 23, 1926.
Rath, Chas., assignor, by mesne assignments, to Imperial Metal Polish Co., Philadelphia, Pa. Metal polishes. 52,702; renewed May 15, 1926.
Red Star Yeast and Products Company. (See National Distilling Co., assignor.)
Register and Tribune Company, The, Des Moines, Iowa. Title for newspaper items. 214,145; June 15; Serial No. 227,137; published Mar. 23, 1926.
Reiffman-Corn, Inc., New York, N. Y. Dress shirts. 214,301; June 15.
Rendall, William H., doing business as Longbottom Pipe Company, New York, N. Y. Cigars, cheroots, little cigars, cigarettes, etc. 214,096; June 15; Serial No. 223,548; published Mar. 16, 1926.
Review and Herald Pub. Assn., Takoma Park, D. C. Weekly publications. 214,151–2; June 15; Serial Nos. 227,605–6; published Apr. 6, 1926.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting and leather packing. 56,567–8; renewed Oct. 9, 1926.
Rianhard, Elizabeth L., doing business as Glo-jewl Company, Baltimore, Md. Jewel-cleaning sets. 214,091; June 15; Serial No. 222,280; published Mar. 30, 1926.
Rice & Hutchins, Incorporated, assignor to Rice & Hutchins, Inc., Boston, Mass. Boots and shoes and leather used in their manufacture. 55,313; renewed Aug. 14, 1926.
Rice & Hutchins, Incorporated, assignor to Rice & Hutchins, Inc., Boston, Mass. Boots and shoes and leather used in their manufacture. 55,315–19; renewed Aug. 14, 1926.
Richmond Cedar Works, Richmond, Va. Ice-cream freezers. 56,945; renewed Oct. 23, 1926.
Ridley Watts & Co. (See Grinnell Willis & Co., assignor.)
Riverside Fibre & Paper Company, Appleton, Wis. Writing and printing papers, bristol board, blank books, etc. 214,272; June 15; Serial No. 220,363; published Mar. 30, 1926.
Robin Packing Co. (See Rabin, Benjamin J.)
Ronald Press Company, The, New York, N. Y. Monthly magazine. 244,141; June 15; Serial No. 226,603; published Mar. 23, 1926.
Rosenstein, Emanuel D., doing business as Eagle Malt Extract Company, Memphis, Tenn. Beverages sold as cordials. 214,253; June 15; Serial No. 225,939; published Apr. 6, 1926.
Ruberoid Co., The. (See Standard Paint Company, assignor.)
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 214,125; June 15; Serial No. 212,643; published Mar 30, 1926.
Samuels, M., & Co., Inc., Baltimore, Md. Hosiery. 214,169; June 15; Serial No. 226,741; published Mar. 30, 1926.
Sat-Ten Products Company. (See Paterson, Louise E.)
Savol Chemical Company. (See Hoon, Nettie M.)
Scheid Engineering Corporation, New York, N. Y. Vehicle stands. 214,119; June 15; Serial No. 209,058; published Apr. 6, 1926.
Schlenker & Kienzle, Schwenningen, Germany, assignor to The Kienzle Clock Company, Inc., New York, N. Y. Clock movements. 52,306; renewed May 8, 1926.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Brooms, painters' brushes, whisk brooms, mops, etc. 214,220; June 15; Serial No. 225,734; published Apr. 6, 1926.
Seaman Paper Company, Chicago, Ill. Printing paper. 214,163; June 15; Serial No. 225,142; published Apr. 6, 1926.
Shackamaxon Worsted Co., assignor to Allen R. Mitchell & Son, Philadelphia, Pa. Woolen and worsted piece goods. 53,106; renewed May 29, 1926.
Sheboygan Chair Company, Sheboygan, Wis. Chairs. 53,813; renewed June 12, 1926.
Shenandoah Milling Company, Incorporated, Shenandoah, Va. Self-rising and plain wheat flour. 214,131; June 15; Serial No. 220,425; published Mar. 30, 1926.
Shepherd, T. D., & Co. (See Meukow, A. C., & Co., assignor.)
Shinjiro, Horii, Tokyo, Japan. Stencil sheets. 214,087; June 15; Serial No. 223,581; published Apr. 6, 1926.
Simplex Soap Mnfg. Company. (See Ballard, F. M.)
Sinclair, John, Limited, Newcastle-on-Tyne, England. Cigars, cigarettes, and smoking, chewing, and leaf tobacco. 214,106–7; June 15; Serial Nos. 210,143–4; published Apr. 6, 1926.
Societe Anonyme Maison A. De Luze & Fils. (See De Luze, A., & Fils.)
Southern Spring Bed Company, Atlanta, Ga. Beds. 214,173; June 15; Serial No. 226,380; published Mar. 9, 1926.
Spalding, A. G., & Bros., New York, N. Y., and Jersey City, N. J. Sporting goods. 56,429; renewed Sept. 25, 1926.
Speed-A-Way Manufacturing Co. (See Keating, James J.)
Sportcraft Knitting & Manufacturing Co., Seattle, Wash. Knitted clothing and substitute. 214,081; June 15; Serial No. 209,370; published Apr. 6, 1926.
Standard Emulsion Company, New York, N. Y. Emulsions for use in all conditions of malnutrition. 53,366; renewed May 29, 1926.
Standard Paint Company, The, New York, N. Y., assignor to The Ruberoid Co., Boundbrook, N. J., and New York, N. Y. Liquids in the nature of rubber. 56,799; renewed Oct. 16, 1926.
Standard Paper Manufacturing Company, Richmond, Va. Blotting paper. 214,086; June 15; Serial No. 221,142; published Apr. 6, 1926.
Standard Playing Card Manufacturing Co., to Standard Playing Card Co., Chicago, Ill., successor. Playing cards. 56,360; renewed Sept. 18, 1926.
Stern & Stern Textile Importers, Inc., New York, N. Y. Chiffon in the piece. 214,180; June 15; Serial No. 227,756; published Apr. 6, 1926.
Straus, Aaron, assignor to Celestino Vega & Co., Chicago, Ill. Cigars. 51,457; renewed Apr. 17, 1926.
Sugg, Rush, doing business as Anodine Pharmacal Company, Clinton, Iowa. Mouth wash. 214,295; June 15.
Sun Manufacturing Company, The, Columbus, Ohio. Show cases. 54,857; renewed July 31, 1926.
Supreme Shirt Company, Philadelphia, Pa. Men's dress, negligee, and work shirts. 214,162; June 15; Serial No. 225,324; published Apr. 6, 1926.
Swan, David, doing business as Velvo Mfg. Co., Los Angeles, Calif. Powdered or granular composition to be used in producing desserts or like edible confections. 214,092; June 15; Serial No. 216,998; published Mar. 30, 1926.
Swift and Company, Chicago, Ill. Stock feed. 214,133; June 15; Serial No. 223,609; published Mar. 30, 1926.
Syracuse Dry Goods Company, Syracuse, N. Y. Dress shirts. 214,242; June 15; Serial No. 226,450; published Mar. 16, 1926.
Texas Liniment Company, Corinth, Miss. Liniment. 214,283; June 15.
Theis, Hugh H., doing business as White Lion Rubber Works, Taylor, Tex. Patches. 214,105; June 15; Serial No. 203,761; published Apr. 6, 1926.
Thompson, C. C., Pottery Company, The, East Liverpool, Ohio. Pottery, earthenware, chinaware, crockery and porcelains. 214,186; June 15; Serial No. 227,924; published Apr. 6, 1926.
Tobacco Rehandling Co., Ltd., Inc., and also doing business as W. T. Grant Co., Louisville, Ky. Leaf tobacco. 214,206; June 15; Serial No. 223,069; published Mar. 2, 1926.
Tops-All Overall Co. (See Bourgoin, Francis W.)
Torsch Packing Co., assignor to The Torsch-Summers Company, Baltimore, Md. Canned fruits and vegetables. 52,163; renewed May 1, 1926.
Tropic Publishing Company, Miami, Fla. Monthly publication. 214,211; June 15; Serial No. 225,290; published Mar. 23, 1926.
Troy Belting and Supply Company, Troy, N. Y. Leather belting. 54,215; renewed June 19, 1926.
Tump, Paul, Milwaukee, Wis. Cleaner and cleaner powder. 214,250; June 15; Serial No. 226,178; published Mar. 30, 1926.
Turuth Company, Oakland, Calif. Carpet-cleansing preparation. 214,093; June 15; Serial No. 222,354; published Mar. 23, 1926.
United Advertising Agency. (See Hearn, Perry W.)
United Printing Company, Youngstown, Ohio. Weekly publication. 214,209; June 15; Serial No. 224,635; published Mar. 23, 1926.
United States Asbestos Company, Manheim, Pa. Fabric transmission and brake linings and facings, packings, gaskets, etc. 214,084; June 15; Serial No. 219,505; published Feb. 23, 1926.
United States Gypsum Company. (See King, J. B., & Co., assignor.)
U S Manufacturing Company, West Medford, Mass. Check-stub holders for clipping together the stubs of checks in check books. 214,273; June 15; Serial No. 223,877; published Mar. 23, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,737; renewed Apr. 24, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,754; renewed Apr. 24, 1926.
United States Playing Card Co, The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 51,756; renewed Apr. 24, 1926.
United States Playing Card Co., The, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 52,763; renewed May 15, 1926.
Universal Pictures Corporation, New York, N. Y. Moving pictures. 214,296; June 15.
Van's Va-Wa-Co. (See Van Wormer, Guy A.)
Van Wormer, Guy A., doing business as Van's Va-Wa-Co., Frankfort, Mich. Preparation to prevent steaming and frosting of glass. 214,246; June 15; Serial No. 226,315; published Mar. 23, 1926.
Vega, Celestino, & Co. (See Straus, Aaron, assignor.)
Velvo Mfg. Co. (See Swan, David.)
Vories Baking Company, New Orleans, La. Fruit cake. 214,136; June 15; Serial No. 225,291; published Mar. 30, 1926.
Vulcan Plow Co., The, Evansville, Ind. Plows and cultivators. 57,084; renewed Oct. 30, 1926.
Walker, Robert G., St. Louis, Mo. Monthly publication. 214,219; June 15; Serial No. 225,497; published Mar. 23, 1926.
Wallace Milling Company, The, Huntingburg, Ind. Corn meal. 214,167; June 15; Ser. No. 226,795; published Apr. 6, 1926.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. 214,291; June 15.
Wardrop Co., Inc., The, New York, N. Y. Bread. 214,077; June 15; Serial No. 208,937; published Apr. 6, 1926.
Wardrop Co., Inc., The, New York, N. Y. Bread and cake. 214,080; June 15; Serial No. 208,938; published Apr. 6, 1926.

Warren Featherbone Co., The, assignor to The Warren Featherbone Co., Three Oaks, Mich. Stiffening cords, blades, tapes, and fabrics. 54,905–6; renewed July 31, 1926.
Wash Chemical Co., Inc., Silver Spring, Md. Soluble powder adapted to be dissolved in water used for general household cleaning purposes. 214,258; June 15; Serial No. 225,533; published Mar. 30, 1926.
Wathen, R. E., & Company, Louisville, Ky. Whisky. 56,651; renewed Oct. 16, 1926.
Wathen, R. E., & Company, Louisville, Ky. Whisky. 214,170; June 15; Serial No. 226,701; published Apr. 6, 1926.
Weaver and Smith, Lawrence, Kans. Soap. 214,161; June 15; Serial No. 225,386; published Apr. 6, 1926.
Western Sausage & Prov. Co. Inc., New York, N. Y. Salami. 214,289; June 15.
Western Stories Publishing Corporation, New York, N. Y. Monthly magazine. 214,280; June 15; Serial No. 225,389; published Mar. 23, 1926.
Whistle Bottling Company, Johnsonburg, Pa. Washing and cleaning compound in crystal form. 214,076; June 15; Serial No. 215,663; published Mar. 16, 1926.
White Company, The, Cleveland, Ohio. Annual publications. 214,228; June 15; Serial No. 226,872; published Apr. 6, 1926.
White Lion Rubber Works. (See Theis, Hugh H.)
White Sewing Machine Corporation. (See Mason, Albert G.).
Whitman Grocery Company, assignor to Minute Tapioca Co., Orange, Mass. Prepared gelatin. 56,183; renewed Aug. 28, 1926.
Wilkinson, Gaddis & Company, Newark, N. J. Canned lobster. 52,923; renewed May 22, 1926.
Wilkinson, Gaddis & Company, Newark, N. J. Canned fruits and vegetables. 52,924; renewed May 22, 1926.
Wilkinson, Gaddis & Company, Newark, N. J. Rolled oats. 54,591; renewed June 26, 1926.
Winterbottom Book Cloth Company Limited, The, Manchester, England. Tracing cloth. 214,208; June 15; Serial No. 224,064; published Mar. 30, 1926.
Wolf, Sidney J., San Francisco, Calif. Monthly magazine. 214,241; June 15; Serial No. 226,525; published Mar. 16, 1926.
Wolverine Bottling Works, The, Detroit, Mich. Nonalcoholic, maltless beverage sold as a soft drink. 214,267; June 15; Serial No. 218,350; published Apr. 6, 1926.
Woodworth, C. B., Sons Co., The, Rochester, assignor to Woodworth, Inc., Rocheater and New York, N. Y. Perfumes. 55,630; renewed Aug. 21, 1926.
Wright & Ditson, Jersey City, N. J. Sporting goods. 57,086; renewed Oct. 30, 1926.
York Manufacturing Co. Inc., New York, N. Y. Cloth comprised entirely of cotton, cotton and rayon, or cotton and silk mixtures. 214,181–3; June 15; Serial Nos. 227,762–4; published Apr. 6, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Armstrong Cork Company, Pittsburgh, Pa. Armstrong's Select Corks. For Corks. 30,472; June 15.
Armstrong Cork Company, Pittsburgh, Pa. Armstrong's Extra Select Corks. For Corks. 30,473; June 15.
Asch, Leonard C., doing business as Ashlen Laboratories, New York, N. Y. Annette Kellermann Sport Cream. For Cold Cream. 30,474; June 15.
Ashlen Laboratories. (See Asch, Leonard C.)
Associated Dental Products, Inc., New York, N. Y. Pearl Dentur Paste—The Perfect Cream Paste for Artificial Dentures. For Tubes Containing the Paste. 30,475; June 15.
Byrnes, Mary L., Des Moines, Iowa. S-A-G. For Prepared Dough for Use in Making Pies. 30,476; June 15.
Daskal, N., & Company, Detroit, Mich. Our Friend. For Malt Extract for Food Purposes. 30,477; June 15.
Frank, A. B., Company, San Antonio, Tex. The Texan. For Work Shirts. 30,478; June 15.
Glambrone, Michele S., Chicago, Ill. Hair Wonder. For a Remedy for Dandruff, Gray and Faded and Falling Hair. 30,479; June 15.
Hacker, E. H., doing business as E. H. Hacker and Company, Milwaukee, Wis. Ajax. For Coffee. 30,480; June 15.
Harmony Candy Company, Chicago, Ill. The Peach. For Candy. 30,481; June 15.
Health-Sweets Company, Battle Creek, Mich. A Feast of Yeast and a Dandy Bran Candy. For Candy. 30,482; June 15.
Helt-Miller-Lau Company, Fort Wayne, Ind. Anthony Wayne. For Candy. 30,483; June 15.
Heller Brothers Importing Co., Inc., doing business as Vita Fish Preserving Works, New York, N. Y. Marine Sprats. For Canned Sprats. 30,484; June 15.
Krank, Alfred J., St. Paul, Minn. Waveset. For a Hairdressing Preparation. 30,485; June 15.
Krank, Alfred J., St. Paul, Minn. Rinselemo. For a Hair Rinse. 30,486; June 15.
Lawry, Rolla C., doing business as Moon Laboratories, St. Louis, Mo. Moon-Tabs. For a Pharmaceutical Preparation. 30,487; June 15.
Lucido Brothers Grocery Co., Granite City, Ill. El-Be. For Sliced Pineapple. 30,488; June 15.
Martin, Dr. Harry G., Los Angeles, Calif. Dr. H. G. Martin's Famous Mouth Wash and Pyorrhea Remedy. For a Mouth Wash and Pyorrhea Remedy. 30,489; June 15.
Moon Laboratories. (See Lawry, Rolla C.)
Newbery Electric Corporation, Los Angeles, Calif. Newbery. For Incandescent Bulbs. 30,490; June 15.
Phillips Brothers, Baltimore, Md. Champion. For Pale Ginger Ale. 30,492; June 15.
Phinotas Chemical Co., The, New York, N. Y. Crow Chaser. For a Chemical Preparation. 30,493; June 15.
Pick, Albert, & Company, Chicago, Ill. Green Hat. For Matches. 30,494; June 15.
Pinehurst Peach Company, West End, N. C. Sunshine Brand. For Peaches. 30,495; June 15.
Pioneer Rubber Mills, San Francisco, Calif. The Hose With More Fabric. For Rubber Hose. 30,496; June 15.
Pittsford Purity Pie Company, Indianapolis, Ind. Pittsford Purity Pies. For Pies. 30,497; June 15.
Polk Miller Products Corporation, Richmond, Va. No Tar Odor. For Mange Medicine. 30,498; June 15.
Redlands Co-Operative Fruit Association, Redlands, Calif. Royal Knight. For Oranges. 30,499; June 15.
Redlands Co-Operative Fruit Association, Redlands, Calif. Newsboy. For Oranges. 30,500; June 15.
Redlands Co-Operative Fruit Association, Redlands, Calif. Luxury. For Oranges. 30,501; June 15.
Roberts, F. H., Company, Boston, Mass. Apollo Hard Candy Candy Checkers. For Hard Candy. 30,502; June 15.
Roberts, Preston E., Inc., Fort Madison, Iowa. Butter-Top Bread. For Bread. 30,503; June 15.
Ronzi Macaroni Co., Inc., Long Island, N. Y. Egg Dainties. For Macaroni Products. 30,504; June 15.
Rosedor Cigarette Co., New York, N. Y. Du Barry. For Cigarettes. 30,505; June 15.
Southwestern Packing Company, Inc., Phoenix, Ariz. Dog Chow. For Canned Dog Food. 30,506; June 15.
The Ohio Valley Coffee Co., Portsmouth, Ohio. Big San. For Coffee. 30,491; June 15.
Vita Fish Preserving Co. (See Heller Brothers Importing Co.)
Watkins, J. R., Company, The, Winona, Minn. Watkins Pie Filler. For a Chocolate Pie Filler. 30,507; June 15.
Wax Wrap Paper Company, Dallas, Tex. Whole Wheat Bread. For Bread. 30,508; June 15.
Wax Wrap Paper Company, Dallas, Tex. Potato Bread. For Bread. 30,509; June 15.
White Cross Food Company, Racine, Wis. White Cross "AA-Grade" the Perfected Malted Milk. For Malted Milk. 30,510; June 15.
Woodward & Cochey Mfg. Co., Chicago, Ill. Self-Flex the Comfortable Belt. For Belts. 30,511; June 15.
Woolner Brewing Co., The, Toledo, Ohio. Windsor Dry. For Ginger Ale. 30,512; June 15.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Begley Food Products Co., Chicago, Ill. Begley's Famous Tamales. For Mexican-Style Tamales. 8,891; June 15.
Brilliantone Steel Needle Company of America, Inc., New York, N. Y. Brilliantone Needles. For Phonograph Needles. 8,892; June 15.
Clark, W. G., & Co. Inc., North Attleboro, Mass. Clarknote. For Jewelry. 8,893; June 15.
Cream of Wheat Co., Minneapolis, Minn. These Last Lagging Days of School. For Wheat Breakfast Food. 8,894; June 15.
Cream of Wheat Co., Minneapolis, Minn. Your Baby's Biggest Job!—Learning to Handle a Grown Up Diet. For Wheat Breakfast Food. 8,895; June 15.
Cream of Wheat Co., Minneapolis, Minn. 10,000 Teachers Are Using This Plan to Teach Health Habits. For Wheat Breakfast Food. 8,896; June 15.
Eskimo Pie Corporation, Louisville, Ky. This Week! Know for Yourself the Delicious Quality and Fine Food Value of This Famous Taste Treat. For Frozen Confections—That is Chocolate and Similarly-Coated Ice-Cream Bars. 8,897; June 15.

Heinz, H. J., Company, Pittsburgh, Pa. Heinz Cooked Spaghetti is Different. For Heinz 57 Varieties. 8,898; June 15.
Heinz, H. J., Company, Pittsburgh, Pa. A Cream Soup Made With Real Cream. For Heinz 57 Varieties. 8,899; June 15.
Resinol Chemical Company, Baltimore, Md. Resinol Soap Promotes Skin Health and Beauty. For Soap. 8,900; June 15.
Revelation Suitcase Co., Inc., New York, N. Y. The Revelation Suitcase. For Suitcases. 8,901; June 15.
Vacuum Oil Co., New York, N. Y. For the Emergency Oil Shortage. For Gargoyle Mobiloil. 8,902; June 15.
Vacuum Oil Co., New York, N. Y. Mobiloil For Every Farm Lubrication Need. For Gargyle Mobiloil. 8,903; June 15.
Vacuum Oil Co., New York, N. Y. For Convenience—Keep a Supply of Mobiloil in Your Home Garage. For Gargoyle Mobiloil. 8,904; June 15.
Vogt, August, Dallas, Tex. Queen Anna Cake. For Queen Anna Cake. 8,905; June 15.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aerozon Air Conditioning Company, Limited, The, London, England. Apparatus for ventilating buildings. 202,156; June 15.
Alaska Fur Company, San Antonio, Tex. Chokers, neck pieces, capes, hats, gloves, etc. 224,539; June 15.
Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Perfumery and cosmetics. 229,073; June 15.
Algonquin Paper Company, Huntington Mills, Pa. Wrapping paper, paper napkins, and stationery. 225,215; June 15.
Ambecor Corporation, New York, N. Y. Ornamental shoe-lace holder. 227,871; June 15.
American Ariesheim Laboratories Inc., New York, N. Y. Salve. 227,100; June 15.
American Hard Rubber Company, New York and Hempstead, N. Y. Steering wheels. 230,374; June 15.
Apicella, Salvatore, doing business as The Arrow Upholstery Company, New York, N. Y. Upholstered furniture. 228,166; June 15.
Ardzrooni Brothers, Fresno, Calif. Fresh grapes. 214,528; June 15.
Arrow Upholstery Company, The. (See Apicella, Salvatore.)
Arrowsmith Manufacturing Company, The, New York, N. Y. Supports for the arches and other parts of the feet. 231,298; June 15.
Associated Dental Products, Inc., New York, N. Y. Cream paste for natural teeth. 231,300; June 15.
Associated Merchandising Corporation, New York, N. Y. Men's negligee shirts. 230,153; June 15.
B. B. B. Pipe Co. Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 230,430; June 15.
Bachman, George G., doing business as States Shirt Shops, Norfolk, Va. Shirts, collars, necktiea, robes, gloves, etc. 226,090; June 15.
Badger, William A., Co., Inc., New York, N. Y. Women's, misses', and children's coats and suits. 230,216; June 15.
Baldwin Perfumery Co., The, Chicago, Ill. Perfume, toilet water, and sachet powder. 230,076; June 15.
Behrens, E. H., & Co., Inc., New York, N. Y. Dresses. 231,233; June 15.
Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods of cotton, etc. 231,426; June 15.
Belcher, Ernest A., London, England. Amusement parks. 224,495; June 15.
Benjamin, E. V., Company, Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Shirts, overalls, jackets, pants, etc. 230,514; June 15.
Bennett-Hubbard Candy Company, Inc., Chattanooga, Tenn. Candy. 231,135; June 15.
Berg, Hart O., New York, N. Y. Magnesium metal and castings and forgings thereof. 212,536; June 15.
Best & Co., Inc., New York, N. Y. Soap. 213,060; June 15.
Best & Co., Inc., New York, N. Y. Women's and children's dresses. 231,235; June 15.
Best, John H., & Sons, Galva, Ill. Display racks. 225,217; June 15.
Bethlehem Textiles Company, Bethlehem, Pa. Underwear of knitted and textile fabric. 230,156; June 15.
Big Store Company, The, Cincinnati, Ohio. Clothing. 193,753; June 15.
Bigelow-Hartford Carpet Company, Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Textile carpets and rugs. 211,321; June 15.
Bishop & Company, Los Angeles, Calif. Chocolate candy. 224,318; June 15.
Bissinger Candy Company, The, Cincinnati, Ohio. Candy. 227,434; June 15.
Bissinger Candy Company, The, Cincinnati, Ohio. Candy. 227,436; June 15.
Blecher, Arnold, & Engelberg, Chicago, Ill. Women's and misses' dresses and gowns. 224,896; June 15.
Bollman, Roy J., doing business as Lakeside Laboratories, Chicago, Ill. Preparation for cleaning and polishing automobiles. 230,378; June 15.
Boott Mills, Lowell, Mass. Capes, coats, play coats, hats, etc. 230,275; June 15.
Brown & Bigelow, St. Paul, Minn. Wall calendars, newspapers, price lists, and greeting cards. 229,897; June 15.
Brown-Lindsay Paint Co., Chicago, Ill. Paints, varnishes, and enamels. 230,277–8; June 15.
Buckeye Soda Products Company, The, Cleveland, Ohio. Washing soda. 229,430; June 15.
Bürki & Cie., Bern, Switzerland. Gruyère cheese. 219,224; June 15.
Burns Ferma Culture Baking Co. Inc., Catskill, N. Y. Bread. 198,562; June 15.
Burns, William J., Brooklyn, N. Y. Compound to promote muscular activity. 231,363; June 15.
California Refrigeration Manufacturing Company, The, Los Angeles, Calif. Refrigerating machines. 223,020; June 15.
California Sprayer Company, The, Los Angeles, Calif. Insecticides. 217,449; June 15.
Cambridge Textile Co., Inc., New York, N. Y. Cotton sheets, bedspreads, and sheetings. 231,138–9; June 15.
Carozza, Joseph, Philadelphia, Pa. Face cream. 230,279; June 15.
Carrot Products Co. (See Hayes, Clarence M.)
Cassebeer, E. W., Inc., Flushing, N. Y. Face powders, face creams, face packs, toilet waters, rouges, etc. 231,244; June 15.
Chain Products Company, The, Cleveland, Ohio. Chains and chain products and hooks, rings, links, etc. 214,848; June 15.
Children's Clinical Laboratory, Hamilton, Ohio. Dentifrice. 230,088; June 15.
Children's Clinical Laboratory, Hamilton, Ohio. Dentifrice. 231,186; June 15.
Cities Service Oil Company, Cleveland, Ohio. Gasoline, lubricating oils and greases. 230,720; June 15.
Clark Son & Morland Ltd, Glastonbury, England. Textile rugs and mats. 192,758; June 15.
Coca-Cola Bottling Corporation of Waterbury, Waterbury, Conn. Nonalcoholic beverages and sirups for making the same. 230,818; June 15.
Cohen, Benj. A., New York, N. Y. Sport jackets, trousers, suits, etc. 229,848; June 15
Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, trousers. 231,369; June 15.
Colgate & Company, Jersey City, N. J. Toilet soap. 222,313; June 15.
Colonial Textile Co., Inc., New York, N. Y. Waistband lining for men's trousers. 231,093; June 15.
Columbus Retail Grocers' Association, Columbus, Ohio. Monthly magazine. 227,112; June 15.
Commercial Office Service. (See Freeman, W. N.)
Conley, Thomas J., doing business as Iron Tone Medicine Company, Philadelphia, Pa., and Georgetown, S. C. Blood tonic. 222,824; June 15.
Conley, Thomas J., doing business as Iron Tone Medicine Company, Philadelphia, Pa., and Georgetown, S. C. Chill and fever tonic. 222,826; June 15.
Continental Company, The, Springfield, Ohio. Tractors. 229,219; June 15.
Cooke and Cobb Company, The, Brooklyn, N. Y. Expanding files of paper and/or fabric, etc. 211,330; June 15.
Cowen, Bernard W., Corp., New York, N. Y. Footstools. 229,850; June 15.
Craddock-Terry Co., Lynchburg, Va. Leather shoes. 229,851; June 15.
Cummings, Robert, Toronto, Ontario, Canada. Loose-leaf binders. 225,773; June 15.
Daniels & Schuck, Inc., East Orange, N. J. Box-end-making machines, etc. 230,443; June 15.
Danzig & Levine, New York, N. Y. Overcoats, suits, topcoats, and trousers. 228,029; June 15.
David, John, New York, N. Y. Neckwear. 230,444; June 15.
Dean, O. W., Co., Inc., The, Benton Harbor, Mich. Preparation for treating asthma, bronchitis, hay fever, etc. 231,188; June 15.
De Lago, Almacenes. (See Lago, James V.)
Delion Tire and Rubber Corporation, Baltimore, Md. Rubber tires for automobiles. 224,696; June 15.
Del Re, Joseph, Chicago, Ill. Medicinal preparation. 229,779; June 15.
Denning, Patrick F., doing business as Denning Manufacturing Company, Cleveland, Ohio. Snow and ice skates. 214,061; June 15.
Detmar, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 229,548; June 15.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Detroit Steel Products Company, Detroit, Mich. Shock absorbers. 229,668; June 15.
Dixie Underwear Company, Inc., Montgomery, Ala. Men's underwear of textile fabric. 230,230; June 15.
Dorogi, Dr., & Co., Rubber Goods Factory Ltd., Budapest, Hungary. Inflatable rubber toys and balls. 227,941; June 15.
Douglas & Green Inc., New York, N. Y. Handkerchiefs. 231,429; June 15.
Draper Corporation, Portland, Me., and Hopedale, Mass. Loom feelers. 231,312; June 15.
Durkee, E. W., doing business as E. R. Durkee & Co., Elmhurst, N. Y. Birdseed. 229,168; June 15.
Dutton, James A., Rochester, N. Y. Bottled liquor leather cleaning, finishing, and dressing preparations. 224,658; June 15.
Easton Canning Corporation, The, Easton, Md. Canned vegetables. 230,729; June 15.
Eastern Kodak Company, Rochester, N. Y. Paste and glue. 230,333; June 15.
Eastern Laboratories, Inc., New York, N. Y. Therapeutic lamps. 194,263; June 15.
Economy Engineering Company, Chicago, Ill. Tiering machines. 212,904; June 15.
Edison, Sylvan M., doing business as the Edison Laboratories, Chicago, Ill. Dental plate cleanser. 230,388; June 15.
Fabricon Textile Company. (See Shapiro, Samuel S.)
Fallis Inc., Cincinnati, Ohio. Beauty powder. 223,840; June 15.
Felician Sisters Convent and Academy, Milwaukee, Wis. Monthly publication. 229,716; June 15.
Fernandez, Manuel E., New York, N. Y. Fresh citrous fruits. 226,283; June 15.
Fisher, Nath'l & Co., New York, N. Y. Shoes and slippers. 231,034; June 15.
Fitch, F. W., Company, The, Des Moines, Iowa. Hair tonic, shampoo, cleansing creams, and compacts. 230,390; June 15.
Foos Gas Engine Company, The, Springfield, Ohio. Internal-combustion engines. 231,372; June 15.
Forbes, Alexander, & Co., Newark, N. J. Seeds, bulbs, and plants. 209,161; June 15.
Formfit Brassière Co. (See Kunstadter Brothers.)
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 211,919; June 15.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 212,682; June 15.
Franklin, S., & Co., Chicago, Ill. Facsimile oil paintings. 230,293; June 15.
Franklin Simon & Co. Inc., New York, N. Y. Dresses, tailored suits, sport coats, sweaters, caps, etc. 228,422; June 15.
Fredriksstad Preserving Co., Fredriksstad, Norway. Canned herrings and anchovies. 202,939; June 15.
Freeman, W. M., doing business as Commerical Office Service, Washington, D. C. House organ (a monthly publication). 230,168; June 15.
Friedman, L., Neckwear Corporation, Milwaukee, Wis. Neckties, cravats, scarfs, mufflers, etc. 229,677; June 15.
"Friend" Manufacturing Company, Gasport, N. Y. Washing device for automobiles. 223,119; June 15.
Gaguon, John J., Green Bay, Wis. Cleaning and polishing materials or substances. 229,789; June 15.
Galdos, Alonzo F., San Francisco, Calif. Combined pencils and rules. 227,269; June 15.
Gainor, Everett F., doing business as Gainor Manufacturing Co., Oakland, Calif. Penetrating oil. 221,741; June 15.
General Fireproofing Company, The, Youngstown, Ohio. Filing cabinets. 227,737; June 15.
General Rubber Repair Co., The, Detroit, Mich. Patch material for rubber tires. 220,713; June 15.
Globe Specialty Co., Chicago, Ill. Caps for motor-vehicle radiators and extensions for motor-vehicle gear-shift levers. 225,157; June 15.
Goldenson, Hyman, doing business as Goldenson Furniture Company, Pittsburgh, Pa. Gas and coal ranges and combination gas and coal ranges. 222,505; June 15.
Gordon Baking Company, Detroit, Mich. Bread. 229,030; June 15.
Graton & Knight Manufacturing Company, The, Worcester, Mass. Adhesive belt cement. 216,337; June 15.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Candies and chocolates. 230,881; June 15.
Greif, L., & Bro. Incorporated, Baltimore, Md. Topcoats, overcoats, coats, vests, etc. 231,320; June 15.
Grenoville. (See "Parfise," Inc.)
Gribbens, Lee E., doing business as Gribbens Chemical Products Co., Chicago, Ill. Polish for use on furniture, pianos, desks, etc. 230,915; June 15.
Griffin Grocery Co., doing business as Griffin Candy Company, Muskogee, Okla. Candy bar. 230,539; June 15.
Hall, Wm. A., Manufacturing Company, St. Louis, Mo. Surgical elastic bandages. 231,480; June 15.
Halpern-Navison Shoe Co., Boston, Mass. Boots and shoes. 223,169; June 15.
Hartlove Candy Company, The, Ashland, Ky. Candy. 230,994–6; June 15.
Hayes, Clarence M., doing business as Carrot Products Co., Detroit, Mich. Ice cream and brittles. 230,921; June 15.
Hecker-H-O Company, Inc., Buffalo, N. Y. Farina and self-rising flour. 226,056; June 15.
Hecker-H-O Company, Inc., Buffalo, N. Y. Bran and bran flakes. 229,563; June 15.
Hedges, Frank G., Salida, Colo. Semiweekly newspaper. 229,511; June 15.
Heggie-Simplex Boiler Company, Joliet, Ill. Heating boilers and garbage burners. 214,958; June 15.
Heinzelmann, H., Reutlingen, Germany. Undershirts, bloomers, vests, belts, corsets, etc. 222,029; June 15.
Heller, Ralph J., doing business as Polly Prim Novelty Company, New York, N. Y. Fancy flowers and ribbon novelties. 229,912; June 15.
Herrmann Bros. Company, Detroit, Mich. Malt beverages, extracts, and liquors. 227,948; June 15.
Hewitt, Charles, & Sons Co., Des Moines, Iowa. Canned fruit and vegetables and coffee. 230,546; June 15.
Hillside Cotton Mills, La Grange, Ga. Canvas baskets. 230,482; June 15.
Hollingshead, R. M., Co., The, Camden, N. J. Varnish, stains, fillers, etc. 229,967; June 15.
Hollingshead, R. M., Co., The, Camden, N. J. Insecticide. 230,483; June 15.
Hollywood Cosmetic Company, Los Angeles, Calif. Toilet preparations, astringent cream, bleaching cream, etc. 230,739; June 15.
Hostachy Freres, Paris, France. Leather and cotton gloves. 228,700; June 15.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chemical preparation for treating leather and for dyeing leather and skins. 228,038; June 15.
Ice-O-Matic Company, The, St. Louis, Mo. Refrigerating machines. 230,453; June 15.
Ideal Beverage Company, Chicago, Ill. Beverages and sirups and extracts for making the same. 230,298; June 15.
Invincible Metal Furniture Company, Manitowoc, Wis. Filing cabinet. 229,738; June 15.
Iron Tone Medicine Company. (See Conley, Thomas J.)
Jackson, Jarrett, Roby, Tex. Ointment for rheumatism and piles. 231,261; June 15.
Jacobson, Julius, New York, N. Y. Dresses. 229,916; June 15.
Jaeger Portable Power Corporation, Detroit, Mich. Pump attachment for vehicles. 229,041; June 15.
Jedlicka, Mrs. Olive V., King City, Mo. Herb teas. 231,001; June 15.
Jobbing Association—Farmers Educational and Cooperative Union of America—Kansas Branch, The, Kansas City, Mo. Butter. 230,176; June 15.
Johnson, E. Kingsland, Fishkill, N. Y. Salve. 220,902–3; June 15.
Kempsmith Manufacturing Co., The, West Allis, Wis. Plain, universal, etc., milling machine, special metal-working machines, etc. 230,924; June 15.
Kismet Beverage Co., Brooklyn, N. Y. Nonalcoholic beverages. 230,631; June 15.
Klamath River Packers Association, Requa, Calif. Canned salmon. 218,418; June 15.
Klein, Alihu, McKeesport, Pa. Men's and boys' suits and overcoats. 228,380; June 15.
Klonlecki, Edward, doing business as Loyal Automatic Window Closer Co., Bayonne, N. J. Automatic window closer and rain and snow excluder. 228,758; June 15.
Knight, William M., Minneapolis, Minn. Preparation for headache, neuralgia, etc. 231,265; June 15.
Kraus, Joseph H., Brooklyn, N. Y. Toilet seats. 231,151; June 15.
Krieger, Edward, & Co., Inc., New York, N. Y. Ladies' outer coats. 231,266; June 15.
Kunstadter Brothers, doing business as Formfit Brassière Co., Chicago, Ill. Brassières. 229,862; June 15.
Lago, James V., doing business as Almacenes de Lago, New York, N. Y. Hair tonic. 230,746; June 15.
Lakeside Laboratories. (See Bollman, Roy J.)
Lampl Knitwear Company, Cleveland, Ohio. Sweaters, knit suits, and women's knit dresses, caps, etc. 229,340–1; June 15.
Landis Machine Company, Waynesboro, Pa. Die heads. 230,552–3; June 15.
Larned, Carter and Company, Detroit, Mich. Workingmen's clothing. 230,399; June 15.
Level Furniture Company, The, Jamestown, N. Y. Bedroom furniture. 202,813; June 15.
Levy, Arthur A., & Co., New York, N. Y. Cotton piece goods. 229,742; June 15.
Loyal Automatic Window Closer Co. (See Klonlecki, Edward.)
Lynen, G. H., & Co., Inc., New York, N. Y. Canned corned beef. 231,155; June 15.
M and M Wood Working Company, Portland, Oreg. Doors. 228,042–8; June 15.
Macy, R. H., & Co., Inc., New York, N. Y. Children's coats, dresses, rompers, etc. 231,386; June 15.
Macy, R. H., & Co., Inc., New York, N. Y. Children's coats, dresses, rompers, etc. 231,388; June 15.

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Maginnis Cotton Mills. (See Benjamin, E. V., Company.)
Magnolia Products Company. (See Union Beverage Company.)
Mahan Products Company, Louisville, Ky. Aspirin, cough sirup, Epsom salts, etc. 227,953; June 15.
Maltop, Inc., Buffalo, N. Y. Dry malt extract. 230,456; June 15.
Martin Bros Co., Denver, Colo. Coffee. 215,080; June 15.
Martin, Charles B., doing business as Martin Manufacturing Concern, Canton, Ohio. Rubber bands. 219,975; June 15.
Marvlo Mills, Inc., New York, N. Y. Cotton, silk, artificial silk, wool, etc., piece goods. 230,942; June 15.
Mautz Paint and Glass Company, Madison, Wis. Paste and ready-mixed paints. 227,362–4; June 15.
Mautz Paint and Glass Company, Madison, Wis. Paste and ready-mixed paints. 227,367; June 15.
McMonagle & Rogers, Middletown, N. Y. Food-flavoring extracts. 230,181; June 15.
Metallic Utilities Manufacturing Company, New York, N. Y. Clamping devices. 230,756; June 15.
Midland Bakeries Company, Chicago, Ill. Wheat, rye, and brand bread and gingerbread. 228,923; June 15.
Mineral Laboratories Inc., Chicago, Ill. Bath mineral. 231,272; June 15.
Multibestos Company, Walpole, Mass. Brake and clutch linings for automobiles. 228,479; June 15.
Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water and used as a plastic paint. 225,834; June 15.
Naomi Canning Co., Edinburg, Ind. Canned vegetables. 230,108–9; June 15.
Naomi Canning Co., Edinburg, Ind. Canned corn. 230,111; June 15.
Naomi Canning Co., Edinburg, Ind. Canned vegetables. 230,112; June 15.
National Cloak & Suit Co., New York, N. Y. Paints. 230,252; June 15.
National Dep't Stores, Inc., New York, N. Y. Men's and boys' suits, overcoats, shirts, mufflers, etc. 226,908; June 15.
Neutrasol Products Corporation, New York, N. Y. Material for coating textile fibers, threads, and yarns. 229,353; June 15.
New-O-Sapine Chemical Company, Inc., West New York, N. J. Chemicals used in the manufacture of soap. 230,948–9; June 15.
Nicholson Mills, Henderson, Ky. Wheat and Graham flour, egg mash, corn meal, etc. 226,675; June 15.
Noesting Pin Ticket Company, Incorporated, Mount Vernon, N. Y. Paper clips. 197,951; June 15.
North Cement Corporation, Albany, N. Y. Cement. 230,805; June 15.
Ohmer Fare Register Company, Dayton, Ohio. Devices to ascertain data incident to expenses, earnings, and time involved in operating automobiles. 229,694; June 15.
Omaha Flour Mills, Omaha, Nebr. Wheat flour. 227,676; June 15.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Silk, cotton, rayon, etc. 220,972; June 15.
Palst Corporation, Milwaukee, Wis. Cheese preparation to be used as a sandwich spread. 229,298; June 15.
Panhandle Refining Company, Wichita Falls, Tex. Paint drier. 230,410; June 15.
Paragon Paint & Varnish Corporation, Long Island City, N. Y. Ready-mixed paint enamel. 231,339; June 15.
"Parfise", Inc., doing business as Grenoville, New York, N. Y. Perfumes, toilet water, face powder, etc. 230,680; June 15.
"Parfums Edouardo, a Corporation", New York, N. Y. Perfumes, toilet powder, and toilet water. 231,276; June 15.
Parisian Mfg. Co., Inc., New York, N. Y. Dresses. 228,262; June 15.
Paterson Parchment Paper Co., The, Passaic, N. J. Paper employed for packing butter, etc. 229,049; June 15.
Peckman-Foreman, Inc., New York, N. Y. Bathing suits, shirts, etc. 231,209; June 15.
Perry Milk Products Company, Perry, Iowa. Feed for hogs and chickens. 212,293; June 15.
Petroleum World Publishing Company, Inc., Los Angeles, Calif. Monthly magazine. 228,005–6; June 15.
Philadelphia Carpet Co., Philadelphia, Pa. Carpets and rugs. 194,471; June 15.
Phinotas Chemical Co., The, New York, N. Y. Preparation as a protection against crows. 231,278; June 15.
Pieratt, Green B., Chicago, Ill. Candy. 229,463; June 15.
Pinkham, Lydia E., Medicine Co., Saco, Me., and Lynn, Mass. Vegetable compound. 226,209; June 15.
Pittsburgh Shovel Company, The, Pittsburgh, Pa. Shovels. 223,600; June 15.
Pittsburgh Steel Company, Pittsburgh, Pa. Wire fencing. 231,163; June 15.
Polly Prim Novelty Company. (See Heller, Ralph J.)
Poloskie, Bernard L., Allentown, Pa. Automobile curtains. 229,702; June 15.
Posner Hosiery, Inc., New York, N. Y. Hosiery, pyjamas, shoes, etc. 226,019; June 15.
Progressive Weaving Co., Camden, N. J. Cotton padding. 222,143; June 15.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Traveling cases. 226,972; June 15.
Prosser, T. H., and Sons Limited, London, England. Sporting goods. 227,851; June 15.
Pulmosan Safety Equipment Co., Brooklyn, N. Y. Nose and mouth respirators, dust hoods, face masks, etc. 223,409; June 15.
Queen Anne Candy Company, Hammond, Ind. Candy. 215,818–19; June 15.
Ramirez & Feraud Chile Co., Ventura, Calif. Red Chili sauce. 183,314; June 15.
Red Star Milling Company, The, Wichita, Kans. Wheat flour. 212,349; June 15.
Reed, Leo R., doing business as Zenith Chemical Works, Chicago, Ill. Liquid of spiritlike consistency used as a cover or finish on varnished surfaces. 218,332; June 15.
Register and Tribune Company, The, Des Moines, Iowa. Periodical. 229,706; June 15.
Réfinier, Marthe, Paris, France. Perfumes. 200,222; June 15.
Reichman & Faust, New York, N. Y. Perfume, toilet water, face powder, etc. 231,344; June 15.
Reynolds, Joseph S., Balboa, Calif. Scrapers for levelling earth. 228,665; June 15.
Rice, C. M., Paper Company, Portland, Me. Paper and cardboard. 222,521; June 15.
Rideanour-Baker Mercantile Company, doing business as Ridenour-Baker Merc. Co., Oklahoma City, Okla. Grape juice. 230,568; June 15.
Risedorph, Edward, doing business as Risedorph Bottling Co., Kinderhook, N. Y. Ginger ale and other flavors. 229,004; June 15.
Robeson Process Company, New York, N. Y. Adhesive employed in the manufacture of coal, etc. 230,358; June 15.
Rockland & Rockport Lime Corporation, Rockland, Me. Hydrated lime. 230,048; June 15.
Rogers, William J., Los Angeles, Calif. Hair remover. 231,347; June 15.
Rosenberg Bros. & Co., Rochester, N. Y. Men's suits. 228,333; June 15.
Royal Candy Co., Philadelphia, Pa. Candy. 230,315; June 15.
Royal Coal Company, Chicago, Ill. Coal. 229,526; June 15.
Royal Martel Corporation, The, New York, N. Y. Taxicabs. 227,689; June 15.
Roy's Tire Cave, Inc., Chicago, Ill. Automobile tires, tire tubes, retiners, flaps, and tire-tube-patching outfits. 229,822; June 15.
Rubinowitz, Frank, Mfg. Co. Inc., New York, N. Y. Bath robes. 229,753; June 15.
Sacol Laboratory, Brooklyn, N. Y. Dog remedies. 221,512; June 15.
Sanborn, Elmer E., Lynn, Mass. Marking template for use in marking leather and the like. 211,711; June 15.
Sanitarium and Hospital Equipment Company, Battle Creek, Mich. Inhalers. 214,752; June 15.
Savo Osakeyhtiö, Kuopio, Finland. Matches. 224,150–3; June 15.
Schindel-McDaniels Company, New York, N. Y. Sheets, pillowcases, bedspreads, towels, etc. 223,807; June 15.
Schoeller, Hugo A., doing business as Firma Hugo Albert Schoeller, Duren, Germany. Drawing paper. 229,058; June 15.
Schurmann, A., Inc., Brooklyn, N. Y. Artificial-silk yarn. 228,200; June 15.
Schwabacher Bros. & Co., Inc., Seattle, Wash. Food-flavoring extracts, spices, tea, and coffee. 230,127; June 15.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Billiard chalk, marking chalk, lead pencils, ink pencils, etc. 226,828; June 15.
Securfold Envelope Corporation, New York, N. Y. Envelopes. 229,707; June 15.
Seinsheimer Paper Company, The, Cincinnati, Ohio, and New Orleans, La. Mothproof bags. 230,851; June 15.
Shapiro, Samuel S., doing business as Fabricon Textile Company, New York, N. Y. Cotton fabrics, silk and cotton fabrics, and silks in yard pieces. 226,984; June 15.
Sheaffer, W. A., Pen Co., Fort Madison, Iowa. Pens and pencils. 211,057; June 15.
Shropshire, Amos E., Columbus, Ohio. Preparation for rheumatism, burns, and scalds, sore feet, joints, and sprains. 219,457; June 15.
Sievers & Erdman Co., Detroit, Mich. Refrigerators. 230,769; June 15.
Simon-Wetzlar Inc., New York, N. Y. Protecting containers for milk bottles. 210,198; June 15.
Societe Anonyme Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 228,780; June 15.
Societe Anonyme Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 231,498; June 15.

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Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides, deodorants, and disinfectants. 230,807; June 15.
Steel-Tex Manufacturing Company, The, Denver, Colo. Overcoats, sheep-lined coats, leather vests, etc. 228,875; June 15.
Sterling Products Company, Easton, Pa. Filter paper. 229,475; June 15.
Stewart & Pearson, New York, N. Y. Clothing. 231,075–6; June 15.
Stewart & Pearson, New York, N. Y. Clothing. 231,078; June 15.
Strayhorn, W. F., doing business as W. F. Strayhorn Drug Co., Durham, N. C. Remedy for running fits. 230,057; June 15.
Sweets Company of America, Incorporated, The, New York, N. Y. Cough drops. 228,008; June 15.
Swezey, William O., East Cleveland, Ohio. Sweet-pepper relish, sandwich relish, olive spread, etc. 189,697; June 15.
Tabin-Picker & Co., Chicago, Ill. Cotton, silk, and artificial-silk aprons and dresses. 227,329; June 15.
Tablax Company. (See Welner, Louis I.)
Talcott, W. O. & M. W., Inc., Providence, R. I. Belt hooks or fasteners. 231,129; June 15.
Thermoid Rubber Company, Trenton, N. J. Clutch rings. 229,760; June 15.
Toch Brothers, Incorporated, New York, N. Y. Metallic paints. 228,581; June 15.
Trabulsi Knit Fabric Co., New York, N. Y. Mufflers. 212,763; June 15.
Tri A Mint Company, Cincinnati, Ohio. Candy. 213,535; June 15.
Tricolator Company, Inc., New York, N. Y. Coffee makers and coffeepots. 231,218; June 15.
Union Beverage Company, Inc., doing business as Magnolia Products Company, New Orleans, La. Malt sirup. 225,455; June 15.
Union Tool Company, Torrance, Calif. Oil-well tools and equipment. 196,037; June 15.
United States Gutta Percha Paint Company, Providence, R. I. Lacquers. 230,431; June 15.
Utah Woolen Mills, Salt Lake City, Utah. Woolen garments. 212,112; June 15.
Vanity Import Co., Inc., New York, N. Y. Perfumes, toilet lotions, bath salts, etc. 230,856; June 15.
Van Pelt & Brown, Richmond, Va. Liquid analgesic. 229,991; June 15.
Van Pelt & Brown, Richmond, Va. Emulsion of mineral oil, agar, and phenolphthalein. 229,992; June 15.
Van Wie Soap Works, Galesville, Wis. Soap. 229,481; June 15.
Venhoff, M. B., Company, Inc., Chicago, Ill. Ladies' and men's suits and overcoats. 231,175; June 15.
Vicenzi, Massimiliano, New York, N. Y. Laxative and bowel-corrective preparations. 229,993; June 15.
Voigt, William A., Toledo, Ohio. Deodorizing preparation. 193,315; June 15.
Wallace Milling Co., The, Huntingburg, Ind. Wheat and cake flour. 213,937; June 15.
Waterloo Canning Association, Waterloo, Wis. Early-variety peas. 230,600; June 15.
Wedler-Shuford Co., The, St. Louis, Mo. Seat pads, steering-wheel grips, side curtains for automobiles, etc. 227,978; June 15.
Weger, Frank L., doing business as Weger Brothers, Philadelphia, Pa. Beverages made from malt and hops. 231,466; June 15.
Weiner, Louis I., doing business as Tablax Company, New York, N. Y. Medicinal compound. 226,702; June 15.
Wesley & Winter, Inc., Newark, N. J. Writing paper and mailing envelopes. 227,379; June 15.
Western Food Products Corporation, St. Louis, Mo. Powdered compound made from cocoa, malt extract, sugar, and milk for conversion into a beverage. 228,452; June 15.
Wetherby-Kayser Shoe Co., Los Angeles, Calif. Shoes, slippers, mules, and spats of leather, rubber, etc., and hose. 228,730; June 15.
Whitex Corporation, New York, N. Y. Bluing for fabrics. 229,766; June 15.
Wicker Tours, The, Richmond, Va. Travel pamphlets, maps, and guide books. 213,339; June 15.
Williams, James, New York, N. Y. Medicinal preparation for internal use. 229,014; June 15.
Wilson Brothers, Chicago, Ill. Handkerchiefs. 231,025; June 15.
Wise, Lewis, Co., Inc., New York, N. Y. Men's robes, gowns, lounge suits, and jackets. 211,937; June 15.
Wishnick-Tumpeer Chemical Co., Chicago, Ill. Rubber softeners. 231,227–8; June 15.
Wolk, Arthur W., Kansas City, Mo. Monthly magazine. 228,790; June 15.
Wolverine Brass Works, Grand Rapids, Mich. Pipe-cutter wheels, threading sets, and hack-saw blades. 227,927; June 15.
Wryco Milling Company, Inc., Leesville, S. C. Cereal foods. 227,098; June 15.
Zefume, Inc., Chicago, Ill. Incense. 229,889; June 15.
Zenith Chemical Works. (See Reed, Leo R.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Boots and shoes and leather used in their manufacture. Rice & Hutchins, Incorporated. 55,313; renewed Aug. 14, 1926.
Boots and shoes and leather used in their manufacture. Rice & Hutchins, Incorporated. 55,315–19; renewed Aug. 14, 1926.
Coal. Lehigh Coal and Navigation Company. 56,244; renewed Sept. 4, 1926.

CLASS 2.

Coin holders, Pocket cardboard. Moreland Business Builders, Inc. 214,255; June 15; Serial No. 225,796; published Apr. 6, 1926.
Containers for packaging and shipping paints, tar products, wax, etc., Metal. Geuder, Paeschke & Frey Co. 214,257; June 15; Serial No. 225,604; published Apr. 6, 1926.
Containers, Shipping. Boxboard Products Company. 214,235; June 15; Serial No. 227,162; published Apr. 6, 1926.

CLASS 3.

Bags, Hand. Cohn & Rosenberger, Inc. 214,172; June 15; Serial No. 226,540; published Apr. 6, 1926.
Bags, Hand. L. J. & M. Lefkowitz, Inc. 214,195; June 15; Serial No. 227,125; published Apr. 6, 1926.
Handbags. New Process Company. 214,290; June 15.
Hoof pads. Dryden Rubber Company. 214,127; June 15; Serial No. 216,156; published Mar. 30, 1926.
Purses and pocketbooks. Buxton, Incorporated. 214,165; June 15; Serial No. 226,802; published Apr. 6, 1926.
Purses and pocketbooks. Buxton, Incorporated. 214,189; June 15; Serial No. 226,803; published Apr. 6, 1926.
Trunks and hand luggage. Oshkosh Trunk Company. 214,178; June 15; Serial No. 225,673; published Mar. 23, 1926.

CLASS 4.

Abrasive papers and cloths. American Glue Company. 214,201; June 15; Serial No. 219,102; published Mar. 16, 1926.
Cleaner and cleaner powder. P. Tump. 214,250; June 15; Serial No. 226,178; published Mar. 30, 1926.
Cleaning preparations. Lustre Chemical Corporation. 214,214; June 15; Serial No. 208,058; published Mar. 16, 1926.
Cleaning sets, Jewel-. E. L. Rinnhard. 214,091; June 15; Serial No. 222,280; published Mar. 30, 1926.
Cleanser. Diversey Manufacturing Company. 214,116; June 15; Serial No. 226,889; published Mar. 23, 1926.
Cleansing preparation, Carpet-. Turuth Company. 214,093; June 15; Serial No. 222,354; published Mar. 23, 1926.
Dressing for machinery belts. C. H. Post. 214,192; June 15; Serial No. 226,971; published Apr. 6, 1926.
Polish. A. L. Prescott. 52,733; renewed May 15, 1926.
Polish, Stove. G. W. Graham. 214,075; June 15; Serial No. 214,477; published Mar. 30, 1926.
Polishes, Metal. C. Rath. 52,702; renewed May 15, 1926.
Powder used for general household cleaning purposes, Soluble. Wash Chemical Co. 214,258; June 15; Serial No. 225,533; published Mar. 30, 1926.
Preparation to prevent steaming and frosting of glass. G. A. Van Wormer. 214,246; June 15; Serial No. 226,315; published Mar. 23, 1926.
Sandpaper. National Sanding Machine Company. 214,079; June 15; Serial No. 208,670; published Mar. 30, 1926.
Soap. F. M. Ballard. 214,215; June 15; Serial No. 205,984; published Mar. 31, 1925.
Soap. Barcelona Products Co. 214,288; June 15.
Soap. M. Cohn. 214,112; June 15; Serial No. 226,764; published Mar. 23, 1926.
Soap. Colgate & Company. 214,092; June 15; Serial No. 222,314; published Mar. 23, 1926.
Soap. Pioneer Products Company. 214,121; June 15; Serial No. 186,611; published Dec. 9, 1924.
Soap. Procter & Gamble Company; 214,115; June 15; Serial No. 226,915; published Mar. 30, 1926.
Soap. Weaver and Smith. 214,161; June 15; Serial No. 225,386; published Apr. 6, 1926.

Soap, Castile. Geo. Borgfeldt & Co. 214,117; June 15; Serial No. 227,161; published Mar. 23, 1926.
Soap, cream, and shaving sticks, Toilet. Dill Company. 214,248; June 15; Serial No. 226,281; published Mar. 23, 1926.
Soap product. Midland Chemical Laboratories, Inc. 214,177; June 15; Serial No. 226,011; published Apr. 6, 1926.
Soap, soap powder, metal polish, etc. Masury-Young Company. 214,203; June 15; Serial No. 221,754; published Mar. 16, 1926.
Soaps and shaving creams, Toilet. Cheramy, Inc. 214,202; June 15; Serial No. 226,447; published Mar. 30, 1926.
Washing and cleaning compound. Whistle Bottling Company. 214,076; June 15; Serial No. 215,663; published Mar. 16, 1926.
Washing powder. D. S. Brown. 54,771; renewed July 31, 1926.
Washing powder. No-Chap Company. 214,118; June 15; Serial No. 227,277; published Mar. 23, 1926.

CLASS 5.

Glue for pasteboard. Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. 214,128; June 15; Serial No. 216,456; published Mar. 30, 1926.

CLASS 6.

Antiseptic solution. N. H. Hoon. 52,142; renewed May 1, 1926.
Bitters. Caroni Products Company. 214,153; June 15; Serial No. 226,473; published Mar. 16, 1926.
Disinfectants, germicides, and deodorizers. Chemical Works of America. 46,740; renewed Oct. 3, 1925.
Emulsions for use in all conditions of malnutrition. Standard Emulsion Company. 53,366; renewed May 29, 1926.
Liniment. Texas Liniment Company. 214,283; June 15.
Medicine. D. D. D. Company. 56,747; renewed Oct. 16, 1926.
Mouth wash. R. Sugg. 214,295; June 15.
Oil for external and internal use. Foster-Milburn Co. 56,208; renewed Sept. 4, 1926.
Perfumes, C. B. Woodworth Sons Co. 55,630; renewed Aug. 21, 1926.
Powder, Insect. Gilpin, Langdon & Company. 52,420; renewed May 8, 1926.
Powder, Tooth. Lambert Pharmacal Company. 55,690; renewed Aug. 21, 1926.
Preparation for the face and skin. C. D. Evans. 50,367; renewed Mar. 13, 1926.
Remedies. L. M. Mentele. 56,931; renewed Oct. 23, 1926.

CLASS 7.

Rope and twine. Plymouth Cordage Company. 54,721; renewed June 26, 1926.

CLASS 8.

Tobacco pouches and receptacles. Adolph Frankau & Co. Ltd. 55,031; renewed Aug. 7, 1926.

CLASS 9.

Fuse for exploding gunpowder and other explosives. Climax Fuse Co. 56,488; renewed Oct. 2, 1926.
Fuses. Climax Fuse Co. 56,489; renewed Oct. 2, 1926.

CLASS 10.

Fertilizers. American Agricultural Chemical Company. 214,160; June 15; Serial No. 225,461; published Apr. 6, 1926.

CLASS 12.

Cement plaster. J. B. King & Co. 54,517; renewed June 26, 1926.
Gutter miters, gutters, gutter outlets, and gutter end caps. Berger Bros. Company. 214,281; June 15.
Lumber. Extra Standard. 214,292; June 15.
Roofing material. Eastern Granite Roofing Company. 53,656; renewed June 12, 1926.
Roofing, Ready tar and felt. Barrett Manufacturing Company. 52,691; renewed May 15, 1926.

CLASS 13.

Metallic belt lacing. Kerr & Company. 55,084; renewed Aug. 7, 1926.

CLASS 14.

Alloys, Metallic. Phosphor-Bronze Smelting Co. Limited. 53,096; renewed Aug. 7, 1926.
Alloys, Metallic. Phosphor-Bronze Smelting Co. 55,406; renewed Aug. 14, 1926.

CLASS 15.

Oils, Petroleum burning. Gulf Refining Company. 48,783; renewed Jan. 16, 1926.

CLASS 16.

Composition of matter. Lactoleum-Werke Ges. mit beschr. Hftg. 55,544; renewed Aug. 14, 1926.
Liquids in the nature of rubber. Standard Paint Company. 56,799; renewed Oct. 16, 1926.
Paint, Coal-tar. Barrett Manufacturing Company. 53,997; renewed June 19, 1926.
Varnishes, Japans, liquid fillers, and waterproof finish. Keystone Varnish Company. 55,505; renewed Aug. 14, 1926.

CLASS 17.

Cigars. William Boucher & Sons. 214,278; June 15; Serial No. 225,253; published Apr. 6, 1926.
Cigars. Compañia General de Tabacos de Filipinas. 55,371; renewed Aug. 14, 1926.
Cigars. Compañia General de Tabacos de Filipinas 55,447; renewed Aug. 14, 1926.
Cigars. Compañia General de Tabacos de Filipinas. 55,560; renewed Aug. 14, 1926.
Cigars. Deisel-Wemmer Co. 56,553; renewed Oct. 9, 1926.
Cigars. P. N. Jacobsen, jr. 56,998; renewed Oct. 30, 1926.
Cigars. A. Straus. 51,457; renewed Apr. 17, 1926.
Cigars, cheroots, little cigars, cigarettes, etc. W. H. Rendall. 214,096; June 15; Serial No. 223,548; published Mar. 16, 1926.
Cigars, cigarettes, and smoking, chewing, and leaf tobacco. John Sinclair Limited. 214,106–7; June 15; Serial Nos. 210,143–4; published Apr. 6, 1926.
Tobacco and snuff, Smoking and chewing. Gebrüder Bernard. 55,530; renewed Aug. 14, 1926.
Tobacco, Leaf. Tobaccco Rehandling Co. 214,206; June 15; Serial No. 223,069; published Mar. 2, 1926.

CLASS 19.

Automobiles, Gasoline passenger. Hudson Motor Car Company. 214,287; June 15.
Vehicle brakes and parts thereof and operating connections therefor. Bendix Brake Company. 214,284; June 15.

CLASS 22.

Cards, Playing. Standard Playing Card Manufacturing Co. 56,360; renewed Sept. 18, 1926.
Cards, Playing. United States Playing Card Co. 51,737; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 51,754; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 51,756; renewed Apr. 24, 1926.
Cards, Playing. United States Playing Card Co. 52,763; renewed May 15, 1926.
Fishhooks. Henry Milward & Sons, Limited. 52,485; renewed May 8, 1926.
Golf balls. Goodyear Tire & Rubber Co. 214,306; June 15.
Sporting goods. A. G. Spalding & Bros. 56,429; renewed Sept. 25, 1926.
Sporting goods. Wright & Ditson. 57,086; renewed Oct. 30, 1926.
Toy carpet sweepers. Bissell Carpet Sweeper Company. 214,259; June 15; Serial No. 225,583; published Apr. 6, 1926.

CLASS 23.

Blades for road graders. Gallon Iron Works & Mfg. Co. 214,174; June 15; Serial No. 226,285; published Apr. 6, 1926.
Blowers and forges and attachments thereto. Champion Blower & Forge Co. 56,916; renewed Oct. 23, 1926.
Chopping machines, Food-. Colebrookdale Iron Company. 56,553; renewed Oct. 9, 1926.
Drilling machines, Metal-. Champion Blower & Forge Co. 56,952; renewed Oct. 30, 1926.
Engines, Internal-combustion. Cummins Engine Company. 214,074; June 15; Serial No. 212,483; published Apr. 6, 1926.
Engines, Internal-combustion. J. M. Kroyer. 214,197; June 15; Serial No. 227,180; published Apr. 6, 1926.
Machinery. Gisholt Machine Company. 56,496; renewed Oct. 2, 1926.
Needles for hand and machine sewing. Henry Milward & Sons, Limited. 52,328; renewed May 8, 1926.
Plows and cultivators. Vulcan Plow Co. 57,084; renewed Oct. 30, 1926.
Plows, cultivators, and harrows. B. F. Avery & Sons. 51,813; renewed Apr. 24, 1926.
Razors, Safety. American Safety Razor Corporation. 214,072; June 15; Serial No. 215,839; published Apr. 6, 1926.
Saws. J. N. Eberle & Co. 53,119; renewed May 29, 1926.
Sewing machines, covers, stands, tables, and attachments. A. G. Mason. 56,289; renewed Sept. 4, 1926.
Spraying devices, Paint-. O. R. Plummer. 214,302; June 15.
Vehicle stands. Scheid Engineering Corporation. 214,119; June 15; Serial No. 209,058; published Apr. 6, 1926.

CLASS 26.

Pictures, Moving. Universal Pictures Corporation. 214,296; June 15.
Weighing scales and appurtenances thereof. E. and T. Fairbanks and Company. 55,449; renewed Aug. 14, 1926.

CLASS 27.

Clock movements. Schlenker & Kienzle. 52,306; renewed May 8, 1926.

CLASS 28.

Medals and badges. C. W. Little. 54,358; renewed June 26, 1926.

CLASS 29.

Brooms, painters' brushes, whisk brooms, mops, etc. Schwabacher Bros. & Co. 214,220; June 15; Serial No. 225,734; published Apr. 6, 1926.
Mops, dust mops, counter mops, and automobile dust cloths. Kleuzall Manufacturing Company. 214,205; June 15; Serial No. 222,847; published Apr. 6, 1926.
Powder puffs. M. Levy. 214,222; June 15; Serial No. 226,106; published Apr. 6, 1926.
Powder puffs. M. Levy. 214,254; June 15; Serial No. 225,886; published Mar. 23, 1926.

CLASS 30.

Pottery, earthenware, chinaware, crockery, and porcelains. C. C. Thompson Pottery Company. 214,186; June 15; Serial No. 227,924; published Apr. 6, 1926.

CLASS 31.

Freezers, ice-cream. Richmond Cedar Works. 56,945; renewed Oct. 23, 1926.

CLASS 32.

Beds. Southern Spring Bed Company. 214,173; June 15; Serial No. 226,380; published Mar. 9, 1926.
Chairs. Sheboygan Chair Company. 53,813; renewed June 12, 1926.
Desks, drawers, tops, slides. Clemetsen Company. 214,109; June 15; Serial No. 211,258; published Feb. 23, 1926.
Show cases. Sun Manufacturing Company. 54,857; renewed July 31, 1926.

CLASS 33.

Bottles of square or cubical form. Cook & Bergheimer Co. 50,666; renewed Mar. 27, 1926.
Glass globes and reflectors. Miller Company. 214,187; June 15; Serial No. 227,958; published Apr. 6, 1926.
Glass letters and characters and glass letter plates, etc. Flexiume Corporation. 214,185; June 15; Serial No. 227,885; published Apr. 6, 1926.
Lenses and plates, Light-transmitting. Monogram Lens Corporation. 214,193; June 15; Serial No. 190,084; published Apr. 6, 1926.

CLASS 34.

Heaters and gas hot-water-storage systems, Gas. Pittsburg Water Heater Company. 214,104; June 15; Serial No. 202,142; published Mar. 2, 1926.
Stoves and ranges, Cook. P. D. Beckwith. 56,454; renewed Sept. 25, 1926.
Stoves, ranges, furnaces, and steam and hot-water heaters. Co-Operative Foundry Co. 55,053-4; renewed Aug. 7, 1926.

CLASS 35.

Belting and leather packing, Leather. J. E. Rhoads & Sons. 56,567-8; renewed Oct. 9, 1926.
Belting, Leather. Troy Belting and Supply Company. 54,216; renewed June 19, 1926.
Belting made of leather, fabric, and rubber. Adwear Process Sole Leather Machine Co. 214,090; June 15; Serial No. 222,207; published Apr. 6, 1926.
Dredging sleeves. B. F. Goodrich Company. 214,094; June 15; Serial No. 223,227; published Apr. 6, 1926.
Fabric transmission and brake linings and facings, packings, etc. United States Asbestos Company. 214,084; June 15; Serial No. 219,505; published Feb. 23, 1926.
Patches. H. H. Theis. 214,105; June 15; Serial No. 203,761; published Apr. 6, 1926.
Patches for inner tubes for pneumatic tires. J. J. Keating. 214,088; June 15; Serial No. 221,618; published Apr. 6, 1926.
Tire-repair kits, blow-out patches, etc. Ever-Best Sales Company. 214,300; June 15.

CLASS 37.

Books for accounting. P. W. Hearn. 214,276; June 15; Serial No. 224,507; published Mar. 23, 1926.
Check-stub holders. U S Manufacturing Company. 214,273; June 15; Serial No. 223,877; published Mar. 23, 1926.
Inkstands, blotters, seals, letter racks, etc. Erhard & Söhne A. G. 214,200; June 15; Serial No. 218,616; published Apr. 6, 1926.
Loose-leaf form, Record equipment in. Brooks Company. 214,204; June 15; Serial No. 221,943; published Mar. 9, 1926.
Paper and gummed cloth, Gummed. Hall Paper & Specialties Co. 214,285; June 15.
Paper, Blotting. Standard Paper Manufacturing Company. 214,086; June 15; Serial No. 221,142; published Apr. 6, 1926.
Paper, Bond. Midwest Paper Company. 214,221; June 15; Serial No. 226,070; published Mar. 30, 1926.
Paper coated with a composition of china clay, casein, and blanc fixe, Printing. W. W. Bailey. 214,269; June 15; Serial No. 220,591; published Mar. 30, 1926.
Paper, Crepe. American Tissue Mills. 214,122; June 15; Serial No. 190,044; published Oct. 6, 1925.
Paper, Drawing, tracing, vellum, and parchment. Par-Vell Laboratories. 214,239; June 15; Serial No. 227,597; published Mar. 30, 1926.
Paper, Italian handmade printing. Japan Paper Company. 214,164; June 15; Serial No. 225,018; published Apr. 6, 1926.
Paper napkins. Menasha Printing and Carton Company. 214,190; June 15; Serial No. 226,813; published Apr. 6, 1926.
Paper, paper napkins, etc., Toilet. Interlake Tissue Mills Co. Ltd. 214,078; June 15; Serial No. 185,707; published June 10, 1924.
Paper, Paraffin treated parchment bond. Henle Wax Paper Mfg. Co. 214,237; June 15; Serial No. 227,308; published Mar. 30, 1926.
Paper, Printing. Buyer's Paper Co. 214,268; June 15; Serial No. 218,391; published Mar. 30, 1926.
Paper, Printing. Seaman Paper Company. 214,163; June 15; Serial No. 225,142; published Apr. 6, 1926.
Paper rendered moisture and air proof. Hermetite Corporation. 214,270; June 15; Serial No. 222,239; published Mar. 23, 1926.
Paper, Toilet. Hoberg Paper & Fibre Company. 214,171; June 15; Serial No. 226,653; published Apr. 6, 1926.
Paper, Toilet. Hoberg Paper & Fibre Company. 214,263; June 15; Serial No. 211,473; published Mar. 30, 1926.
Paper, Toilet. Northern Paper Mills. 214,277; June 15; Serial No. 225,029; published Mar. 23, 1926.
Paper, Wrapping. California-Oregon Paper Mills. 214,176; June 15; Serial No. 226,095; published Apr. 6, 1926.
Papers, bristol board, blank books, etc., Writing and printing. Riverside Fibre & Paper Company. 214,272; June 15; Serial No. 220,363; published Mar. 30, 1926.
Papers, Printing. Cleveland Paper Manufacturing Company. 214,223; June 15; Serial No. 226,332; published Mar. 30, 1926.
Pens, Fountain. Le Boeuf Fountain Pen Co. 214,264; June 15; Serial No. 209,995; published Mar. 30, 1926.
Rack and document file, Desk. E. W. House. 214,232; June 15; Serial No. 226,959; published Mar. 30, 1926.
Record equipment in loose-leaf form. Brooks Company. 214,230; June 15; Serial No. 226,939; published Mar. 23, 1926.
Sheets, Stencil. S. Horil. 214,207; June 15; Serial No. 223,582; published Apr. 6, 1926.
Stationers' supplies. Elbe File & Binder Company. 214,100; June 15; Serial No. 224,555; published Apr. 6, 1926.
Stencil sheets. S. Horil. 214,087; June 15; Serial No. 223,581; published Apr. 6, 1926.
Tab guides, Angular celluloid. Globe-Wernicke Co. 214,265; June 15; Serial No. 205,207; published Mar. 30, 1926.
Tracing cloth. Winterbottom Book Cloth Company Limited. 214,208; June 15; Serial No. 224,064; published Mar. 30, 1926.

CLASS 38.

Cards, window cards, place cards, etc., Calling. Bushnell-Dahlquist Press, Inc. 214,266; June 15; Serial No. 218,163; published Mar. 30, 1926.
Cartoons, Series of. Bell Syndicate, Inc. 214,157; June 15; Serial No. 227,823; published Apr. 6, 1926.
Column of comments, Weekly. H. D. Mildeberger. 214,159; June 15; Serial No. 227,955; published Apr. 6, 1926.
Directories. Railroad Buyers & Sellers Service Bureau. 214,216; June 15; Serial No. 190,032; published Mar. 23, 1926.
Folders, pamphlets, and books. Ekroth Laboratories, Inc. 214,137; June 15; Serial No. 225,778; published Apr. 6, 1926.
Lessons, instruction sheets, and printed lectures. Fashion Institute, Inc. 214,274; June 15; Serial No. 225,355; published Mar. 30, 1926.
Magazine, Annual. Newark Newsdealers Supply Co. 214,279; June 15; Serial No. 225,887; published Mar. 16, 1926.
Magazine, Monthly. American Nature Association. 214,249; June 15; Serial No. 226,219; published Mar. 16, 1926.
Magazine, Monthly. Associated Pennsylvania Constructors. 214,275; June 15; Serial No. 224,068; published Mar. 23, 1926.
Magazine, Monthly. Danger Trail, Inc. 214,114; June 15; Serial No. 227,063; published Mar. 16, 1926.
Magazine, Monthly. Merit Publishing Company. 214,149; June 15; Serial No. 227,590; published Apr. 6, 1926.
Magazine, Monthly. Merit Publishing Company. 214,154; June 15; Serial No. 227,663; published Apr. 6, 1926.
Magazine, Monthly. Ronald Press Company. 214,141; June 15; Serial No. 226,603; published Mar. 23, 1926.
Magazine, Monthly. Western Stories Publishing Corporation. 214,280; June 15; Serial No. 225,389; published Mar. 23, 1926.
Magazine, Monthly. S. J. Wolf. 214,241; June 15; Serial No. 226,525; published Mar. 16, 1926.

Magazine published monthly. Earnshaw Sales Company. 214,158; June 15; Serial No. 227,830; published Apr. 6, 1926.
Magazine published monthly, Title of. L. Chevalier. 214,143; June 15; Serial No. 226,883; published Apr. 6, 1926.
Magazine, Section of a periodical. International Paper Company. 214,144; June 15; Serial No. 227,074; published Apr. 6, 1926.
Magazines issued monthly. New Eve Publishing Company. 214,217; June 15; Serial No. 225,376; published Mar. 30, 1926.
Magazines issued quarterly. Character Studies, Inc. 214,251; June 15; Serial No. 226,096; published Mar. 16, 1926.
Newspaper articles. C. l. Mortimer. 214,271; June 15; Serial No. 223,533; published Mar. 30, 1926.
Newspaper, Column of news in. Morning Telegraph Company. 214,132; June 15; Serial No. 222,271; published Mar. 23, 1926.
Newspaper, Daily. Illinois State Journal. 214,252; June 15; Serial No. 226,003; published Mar. 16, 1926.
Newspaper items, Title for. Register and Tribune Company. 214,145; June 15; Serial No. 227,137; published Mar. 23, 1926.
Nom de plume for a column of news in a newspaper. Morning Telegraph Company. 214,129; June 15; Serial No. 219,545; published Apr. 6, 1926.
Nom de plume for a column of news in a newspaper. Morning Telegraph Company. 214,150; June 15; Serial No. 227,593; published Apr. 6, 1926.
Pamphlets, folders, booklets, books, magazines, etc. J. Dieux. 214,210; June 15; Serial No. 224,749; published Apr. 6, 1926.
Periodical or trade paper, Monthly printed. Lyman Publishing Corporation. 214,148; June 15; Serial No. 227,360; published Apr. 6, 1926.
Periodicals. George W. Blabon Co. 214,146; June 15; Serial No. 227,160; published Apr. 6, 1926.
Photoprints. C. R. Moen. 214,260; June 15; Serial No. 214,736; published Mar. 30, 1926.
Post cards, Picture. L. Hurwitz. 214,213; June 15; Serial No. 208,100; published Mar. 23, 1926.
Publication. Franco-Belgique Tours Co., Ltd. 214,085; June 15; Serial No. 217,341; published Apr. 6, 1926.
Publication. Hoover Company. 214,262; June 15; Serial No. 213,646; published Mar. 23, 1926.
Publication and magazine, Periodical. Lafayette-South Side Bank of St. Louis. 214,247; June 15; Serial No. 226,291; published Mar. 16, 1926.
Publication, Annual. Experimenter Publishing Company. 214,218; June 15; Serial No. 225,404; published Mar. 23, 1926.
Publication issued monthly. Pennzoil Co. 214,139; June 15; Serial No. 226,075; published Apr. 6, 1926.
Publication issued monthly, Radio. Dayton Fan and Motor Company. 214,231; June 15; Serial No. 226,948; published Mar. 30, 1926.
Publication, Monthly. Biedermann Brothers, Inc. 214,142; June 15; Serial No. 226,627; published Mar. 23, 1926.
Publication, Monthly. Dayton Company. 214,110; June 15; Serial No. 226,887; published Mar. 16, 1926.
Publication, Monthly. Tropic Publishing Company. 214,211; June 15; Serial No. 225,290; published Mar. 28, 1926.
Publication, Monthly. R. G. Walker. 214,210; June 15; Serial No. 225,497; published Mar. 23, 1926.
Publication of financial information and offerings, Bimonthly. Parmer & Co. 214,238; June 15; Serial No. 227,469; published Apr. 6, 1926.
Publication, Weekly. H. Burns. 214,147; June 15; Serial No. 227,340; published Apr. 6, 1926.
Publication, Weekly. United Printing Company. 214,209; June 15; Serial No. 224,635; published Mar. 23, 1926.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 214,155; June 15; Serial No. 227,726; published Apr. 6, 1926.
Publication, Yearly. Dr. Peter Fahrney & Sons Co. 214,156; June 15; Serial No. 227,729; published Apr. 6, 1926.
Publications, Annual. White Company. 214,228; June 15; Serial No. 226,872; published Apr. 6, 1926.
Publications, Weekly. Review and Herald Pub. Assn. 214,151-2; June 15; Serial Nos. 227,605-6; published Apr. 6, 1926.
Tags, cards, seals, and cut-outs. Dennison Manufacturing Company. 214,243; June 15; Serial No. 226,338; published Mar. 16, 1926.
Tags, cards, seals, and cut-outs. Dennison Manufacturing Compsny. 214,244; June 15; Serial No. 226,419; published Mar. 16, 1926.
Tags, cards, seals, and cut-outs. Dennison Manufacturing Company. 214,245; June 15; Serial No. 226,337; published Mar. 16, 1926.

CLASS 39.

Boots and shoes. Locke Shoe Company. 56,501; renewed Oct. 2, 1926.
Boots, shoes, and slippers, Leather and cloth. Hunan & Son. 55,349; renewed Aug. 14, 1926.
Clothing. Higginbotham-Bailey-Logan Company. 214,294; June 15.
Clothing and substitute, Knitted. Sportcraft Knitting and Manufacturing Co. 214,081; June 15; Serial No. 209,370; published Apr. 6, 1926.
Coats, Ladies' and misses' fur. Deutch-Lakretz Co. 214,297; June 15.
Corsets. Marshall Field & Company. 50,049; renewed Feb. 27, 1926.
Dresses, coats, and suits, Misses' and women's. Mignon Dress Co. 214,083; June 15; Serial No. 218,861; published Apr. 6, 1926.
Frocks, Ladies' tailored. Herman Belspel, Inc. 214,293; June 15.
Gloves. Fownes Brothers & Co. 52,137; renewed May 1, 1926.
Hosiery. C. I. Bougher. 214,168; June 15; Serial No. 226,759; published Apr. 6, 1926.
Hosiery. Davenport Hosiery Mills. 214,298; June 15.
Hosiery. M. Samuels & Co. 214,169; June 15; Serial No. 226,741; published Mar. 30, 1926.
Hosiery. John Wanamaker Philadelphia. 214,291; June 15.
Hosiery for women. Penndelphia, Inc. 214,120; June 15; Serial No. 227,680; published Apr. 6, 1926.
Overalls. F. W. Bourgoin. 214,179; June 15; Serial No. 227,711; published Apr. 6, 1926.
Overalls, overall jackets, and pants. Eckerling Brothers. 214,175; June 15; Serial No. 226,134; published Apr. 6, 1926.
Shirts. Reiffman-Corn, Inc. 214,301; June 15.
Shirts, Dress. Cluett, Peabody & Co. 214,098; June 15; Serial No. 223,836; published Apr. 6, 1926.
Shirts, Dress. Syracuse Dry Goods Company. 214,242; June 15; Serial No. 226,450; published Mar. 16, 1926.
Shirts, Dress and negligee. Cluett, Peabody & Co. 214,286; June 15.
Shirts, Men's. Supreme Shirt Company. 214,162; June 15; Serial No. 225,324; published Apr. 6, 1926.
Shirts, Sport. Enro Shirt Co. 214,190; June 15; Serial No. 211,991; published June 23, 1925.
Suits, Children's play. L. M. Garson. 214,193; June 19; Serial No. 227,068; published Apr. 6, 1926.

CLASS 40.

Cords, blades, tapes, and fabrics, Stiffening. Warren Featherbone Co. 54,905-6; renewed July 31, 1926.
Hairpins. S. Beaumont & Fils. 54,734; renewed June 26, 1926.
Hair wavers. S. Beaumont & Fils. 55,591; renewed Aug. 21, 1926.
Needles for hand sewing. Henry Milward & Sons, Limited. 55,243; renewed Aug. 7, 1926.

CLASS 42.

Calico prints. Passaic Print Works. 56,966-7; renewed Oct. 30, 1926.
Chiffon in the piece. Stern & Stern Textile Importers, Inc. 214,180; June 15; Serial No. 227,756; published Apr. 6, 1926.
Cloth comprised entirely of cotton, cotton and rayon, or cotton and silk mixtures. York Manufacturing Co. 214,181-3; June 15; Serial Nos. 227,762-4; published Apr. 6, 1926.
Cotton piece goods. Appleton Company. 214,184; June 15; Serial No. 227,822; published Apr. 6, 1926.
Cotton piece goods, Bleached and halfbleached. Grinnell Willis & Co. 56,099; renewed Aug. 21, 1926.
Fabrics and embroideries in the piece. Heberlein & Co., A. G. 214,102; June 15; Serial No. 188,478; published Apr. 6, 1926.
Fabrics of silk, artificial silk, cotton, and wool and combinations thereof, Woven. A. W. Baylis Co. 214,166; June 15; Serial No. 226,798; published Apr. 6, 1926.
Handkerchief and lace piece goods. M. Doob, Sons & Company. 214,108; June 15; Serial No. 210,718; published Apr. 6, 1926.
Sheetings. Piedmont Mfg. Co. 56,578; renewed Oct. 9, 1926.
Sheets, pillowcases, and bedspreads. Defender Mfg. Company Inc. 214,101; June 15; Serial No. 224,746; published Apr. 6, 1926.
Shirtings and sheetings, cambrics, and long cloth, Bleached and unbleached. Grinnell Willis & Co. 53,264; renewed May 29, 1926.
Shirtings and sheetings, cambrics, and long cloth, Bleached and unbleached. Grinnell Willis & Co. 54,220; renewed June 19, 1926.
Shirtings and sheetings, cambrics, and long cloth, Bleached and unbleached. Grinnell Willis & Co. 54,565; renewed June 26, 1926.
Textile fabrics. Oriental Silk Printing Company. 214,099; June 15; Serial No. 223,937; published Apr. 6, 1926.
Textiles. Grinnell Willis & Co. 55,796; renewed Aug. 21, 1926.
Textiles. Holden-Leonard Co. 214,299; June 15.
Woolen and worsted piece goods. Shackamaxon Worsted Co. 53,106; renewed May 29, 1926.

CLASS 43.

Cotton, sewing cotton, and thread, Spool. American Thread Company. 54,862; renewed July 31, 1926.

CLASS 44.

Splints. J. Ellwood Lee Company. 55,538; renewed Aug. 14, 1926.

CLASS 45.

Beer, root-beer extract, and dry ingredients for making root beer, Root. Charles E. Hires Company. 54,465; renewed June 26, 1926.
Beverage sold as a soft drink. Wolverine Bottling Works. 214,267; June 15; Serial No. 218,350; published Apr. 6, 1926.
Beverages and compounds and concentrates for making such beverages. Nonalcoholic, noncereal. Citrus Products Company. 214,234; June 15; Serial No. 227,000; published Apr. 6, 1926.
Beverages and sirups for making the same. W. Laws, jr. 214,236; June 15; Serial No. 227,183; published Apr. 6, 1926.
Beverages sold as cordials. E. D. Rosenstein. 214,253; June 15; Serial No. 225,939; published Apr. 6, 1926.
Ginger ale. Hagan & Dodd Co. 57,023; renewed Oct. 30, 1926.
Ginger ale and other flavors. G. Gutfreund. 214,233; June 15; Serial No. 227,014; published Apr. 6, 1926.

CLASS 46.

Bread. Borck & Stevens. 214,191; June 15; Serial No. 226,841; published Apr. 6, 1926.
Bread. Wardrop Co. 214,077; June 15; Serial No. 208,937; published Apr. 6, 1926.
Bread and cake. Wardrop Co. 214,080; June 15; Serial No. 208,938; published Apr. 6, 1926.
Bread-improving compound. C. Herendeen & Son. 214,140; June 15; Serial No. 226,287; published Mar. 30, 1926.
Butter, cheese, and eggs. Grove City Creamery. 214,261; June 15; Serial No. 214,206; published Mar. 30, 1926.
Cake, Fruit. Vories Baking Company. 214,136; June 15; Serial No. 225,291; published Mar. 30, 1926.
Cakes. S. Berman. 214,188; June 15; Serial No. 226,467; published Apr. 6, 1926.
Cakes. Gordon Baking Company. 214,194; June 15; Serial No. 227,070; published Apr. 6, 1926.
Candy bar and an ice-cream brick. J. L. Johns. 214,080; June 15; Serial No. 222,123; published Dec. 22, 1925.
Canned fish. Kelley-Clarke Co. 56,962; renewed Oct. 30, 1926.
Canned fish. Kelley-Clarke Co. 56,988; renewed Oct. 30, 1926.
Canned fruits and vegetables. Torsch Packing Co. 52,163; renewed May 1, 1926.
Canned fruits and vegetables. Wilkinson, Gaddis & Company. 52,924; renewed May 22, 1926.
Canned lobster. Wilkinson, Gaddis & Company. 52,923; renewed May 22, 1926.
Canned vegetables and fruits, tomato catchup, etc. Indianapolis Fancy Grocery Co. 214,113; June 15; Serial No. 226,656; published Mar. 30, 1926.
Cantaloupes, peaches, and plums, Fresh. J. E. Blickenstaff & Sons. 214,130; June 15; Serial No. 220,272; published Mar. 30, 1926.
Cheese. J. S. Hoffman Company. 214,124; June 15; Serial 209,125; published Feb. 23, 1926.
Cheese. B. J. Rabin. 214,134; June 15; Serial No. 224,360; published Mar. 30, 926.
Coffee. Ridenour-Baker Grocery Company. 51,155; renewed Apr. 3, 1926.
Corn meal. Wallace Milling Company. 214,167; June 15; Serial No. 226,795; published Apr. 6, 1926.
Eggs. Pacific Egg Producers Cooperative, Inc. 214,198; June 15; Serial No. 227,412; published Apr. 16, 1926.
Feed, Poultry. F. C. Ayres Mercantile Company. 214,138; June 15; Serial No. 225,908; published Mar. 30, 1926.
Feed, Stock. Swift and Company. 214,133; June 15; Serial No. 223,609; published Mar. 30, 1926.
Flavoring extracts for table use, Culinary. A. M. Gugenheim. 214,256; June 15; Serial No. 225,711; published Mar. 30, 1926.
Flour. Mayflower Mills. 214,073; June 15; Serial No. 216,467; published Apr. 6, 1926.
Flour, Bread and pastry wheat. Lee & Cady. 214,135; June 15; Serial No. 224,772; published Mar. 30, 1926.
Flour, Self-rising and plain wheat. Shenandoah Milling Company. 214,131; June 15; Serial No. 220,425; published Mar. 30, 1926.
Flour, Self-rising and wheat. Ansted & Burk Co. 214,196; June 15; Serial No. 227,158; published Apr. 6, 1926.
Flour, Wheat. Anchor Milling & Grocery Company. 214,126; June 15; Serial No. 214,577; published Mar. 30, 1926.
Flour, Wheat. Russell-Miller Milling Co. 214,125; June 15; Serial No. 212,643; published Mar. 30, 1926.
Fruits and vegetables. Aughinbaugh Canning Company. 54,864; renewed July 31, 1926.
Gelatin, Prepared. Whitman Grocery Company. 56,183; renewed Aug. 28, 1926.
Mash with buttermilk, rice bran, rice polish, and rice, Laylug. El Campo Rice Milling Co. 214,123; June 15; Serial No. 207,124; published Mar. 30, 1926.
Oats, Rolled. Wilkinson, Gaddis & Company. 54,591; renewed June 26, 1926.
Oats, Rolled and ground. H-O (Hornby's Oatmeal) Company. 56,827; renewed Oct. 23, 1926.
Pickles, olives, peanut butter, olive oil, catchup, etc. Foley Bros. Grocery Company. 214,111; June 15; Serial No. 184,606; published Mar. 30, 1926.
Powdered or granular composition to be used in producing desserts or like confections. D. Swan. 214,082; June 15; Serial No. 216,998; published Mar. 30, 1926.
Rice. Louisiana State Rice Milling Company, Inc. 214,095; June 15; Serial No. 223,395; published Apr. 6, 1926.
Salami. Western Sausage & Prov. Co. Inc. 214,289; June 15.
Sauce, Chocolate. L. E. Paterson. 214,212; June 15; Serial No. 208,719; published Mar. 30, 1926.
Sirup, Table. Calgold Products Co. 214,240; June 15; Serial No. 225,503; published Mar. 30, 1926.
Spices. B. Fischer & Company. 214,305; June 15.
Tapioca. B. Fischer & Co. 214,304; June 15.
Yeast. National Distilling Co. 55,768; renewed Aug. 21, 1926.

CLASS 47.

Champagne. Empire State Wine Company. 55,678; renewed Aug. 21, 1926.
Wines. A. de Luze & Fils. 54,082; renewed June 19, 1926.
Wines, Sacramental. Jos. Dudenhoefer Company. 214,227; June 15; Serial No. 226,345; published Apr. 6, 1926.

CLASS 48.

Extract of malt and hops. Anheuser-Busch Brewing Association. 52,054; renewed May 15, 1926.
Malt extract. Minneapolis Brewing Company. 55,270; renewed Aug. 14, 1926.
Malt sirup. New Orleans Packing Co. 214,227; June 15; Serial No. 226,674; published Apr. 6, 1926.
Malt sirup. New Orleans Packing Co. 214,229; June 15; Serial No. 226,673; published Apr. 6, 1926.
Porter. J. Labatt. 57,040; renewed Oct. 30, 1926.
Sirup, Malt. New Orleans Packing Co. 214,225–6; June 15; Serial Nos. 226,671–2; published Apr. 6, 1926.

CLASS 49.

Brandies, liquors, punches, alcoholic essences, and extracts. Egon Braun Aktiengesellschaft. 214,097; June 15; Serial No. 223,694; published Apr. 6, 1926.
Brandy, Cognac. A. C. Meukow & Co. 52,208; renewed May 1, 1926.
Whisky. Eminence Distillery Co. 55,284; renewed Aug. 14, 1926.
Whisky. R. E. Wathen & Company. 56,651; renewed Oct. 16, 1926.
Whisky. R. E. Wathen & Company. 214,170; June 15; Serial No. 226,701; published Apr. 6, 1926.

CLASS 50.

Cloth having adhesive qualities. Holliston Mills Inc. 214,282; June 15.
Corks, Bottle and prescription. Armstrong Cork Company. 55,475; renewed Aug. 14, 1926.
Matting, tents, rubber stair pads, etc., Japan. Kaufmann Department Stores, Inc. 214,303; June 15.

ALPHABETICAL LIST OF LABELS.

A Feast of Yeast and a Dandy Bran Candy. For Candy. Health-Sweets Company. 30,482; June 15.
Ajax. For Coffee. E. H. Hacker. 30,480; June 15.
Annette Kellermann Sport Cream. For Cold Cream. L. C. Asch. 30,474; June 15.
Anthony Wayne. For Candy. Helt-Miller-Lau Company. 30,483; June 15.
Apollo Hard Candy Candy Checkers. For Hard Candy. F. H. Roberts Company. 30,502; June 15.
Armstrong's Extra Select Corks. For Corks. Armstrong Cork Company. 30,473; June 15.
Armstrong's Select Corks. For Corks. Armstrong Cork Company. 30,472; June 15.
Big San. For Coffee. Ohio Valley Coffee Co. 30,491; June 15.
Butter-Top Bread. For Bread. Preston E. Roberts, Inc. 30,503; June 15.
Champion. For Pale Ginger Ale. Phillips Brothers. 30,492; June 15.
Crow Chaser. For a Chemical Preparation. Phinotas Chemical Co. 30,493; June 15.
Dog Chow. For Canned Dog Food. Southwestern Packing Company. 30,506; June 15.
Dr. H. G. Martin's Famous Mouth Wash and Pyorrhea Remedy. For a Mouth Wash and Pyorrhea Remedy. Dr. H. G. Martin. 30,489; June 15.

Du Barry. For Cigarettes. Rosedor Cigarette Co. 30,505; June 15.
Egg Dainties. For Macaroni Products. Ronzoni Macaroni Co. 30,504; June 15.
El-Se. For Sliced Pineapple. Lucido Brothers Grocery Co. 30,488; June 15.
Green Hat. For Matches. Albert Pick & Company. 30,494; June 15.
Hair Wonder. For a Remedy for Dandruff, Gray and Fadded and Falling Hair. M. S. Glambrone. 30,479; June 15.
Luxury. For Oranges. Redlands Co-Operative Fruit Association. 30,501; June 15.
Marine Sprats. For Canned Sprats. Heller Brothers Importing Co., Inc. 30,484; June 15.
Moon-Tabs. For a Pharmaceutical Preparation. R. C. Lawry. 30,487; June 15.
Newbery. For Incandescent Bulbs. Newbery Electric Corporation. 30,490; June 15.
Newsboy. For Oranges. Redlands Co-Operative Fruit Association. 30,500; June 15.
No Tar Odor. For Mange Medicine. Polk Miller Products Corporation. 30,498; June 15.
Our Friend. For Malt Extract for Food Purposes. N. Daskel & Company. 30,477; June 15.
Pearl Dentur Paste—The Perfect Cream Paste for Artificial Dentures. For Tubes Containing the Paste. Associated Dental Products, Inc. 30,475; June 15.
Pittsford Purity Pies. For Pies. Pittsford Purity Pie Company. 30,497; June 15.
Potato Bread. For Bread. Wax Wrap Paper Company. 30,509; June 15.
Rinsclemo. For a Hair Rinse. A. J. Krank. 30,486; June 15.
Royal Knight. For Oranges. Redlands Co-Operative Fruit Association. 30,499; June 15.
S-A-G. For Prepared Dough for Use in Making Pies. M. I. Byrnes. 30,476; June 15.
Self-Flex The Comfortable Belt. For Belts. Woodward & Cochey Mfg. Co. 30,511; June 15.
Sunshine Brand. For Peaches. Pineburst Peach Company. 30,495; June 15.
The Hose With More Fabric. For Rubber Hose. Pioneer Rubber Mills. 30,496; June 15.
The Peach. For Candy. Harmony Candy Company. 30,481; June 15.
The Texan. For Work Shirts. A. B. Frank Company. 30,478; June 15.
Watkins Pie Filler. For a Chocolate Pie Filler. J. R. Watkins Company. 30,507; June 15.
Waveset. For a Hairdressing Preparation. A. J. Krank. 30,485; June 15.
White Cross "AA-Grade" The Perfected Malted Milk. For Malted Milk. White Cross Food Company. 30,510; June 15.
Whole Wheat Bread. For Bread. Wax Wrap Paper Company. 30,508; June 15.
Windsor Dry. For Ginger Ale. Woolner Brewing Co. 30,512; June 15.

ALPHABETICAL LIST OF PRINTS.

A Cream Soup Made With Real Cream. For Heinz 57 Varieties. H. J. Heinz Company. 8,899; June 15.
Begley's Famous Tamales. For Mexican-Style Tamales. Begley Food Products Co. 8,891; June 15.
Brilliantone Needles. For Phonograph Needles. Brilliantone Steel Needle Company of America, Inc. 8,892; June 15.
Clarknote. For Jewelry. W. G. Clark & Co. Inc. 8,893; June 15.
For Convenience—Keep a Supply of Mobiloil in Your Home Garage. For Gargoyle Mobiloil. Vacuum Oil Company. 8,904; June 15.
For the Emergency Oil Shortage. For Gargoyle Mobiloil. Vacuum Oil Co. 8,902; June 15.
Heinz Cooked Spaghetti is Different. For Heinz 57 Varieties. H. J. Heinz Company. 8,898; June 15.
Mobiloil for Every Farm Lubrication Need. For Gargoyle Mobiloil. Vacuum Oil Co. 8,903; June 15.
Queen Anna Cake. For Queen Anna Cake. A. Vogt. 8,905; June 15.
Resinol Soap Promotes Skin Health and Beauty. For Soap. Resinol Chemical Company. 8,900; June 15.
10,000 Teachers Are Using This Plan to Teach Health Habits. For Wheat Breakfast Food. Cream of Wheat Co. 8,896; June 15.
The Revelation Suitcase. For Suitcases. Revelation Suitcase Co. 8,901; June 15.
These Last Lagging Days of School. For Wheat Breakfast Food. Cream of Wheat Co. 8,894; June 15.
This Week! Know for Yourself the Delicious Quality and Fine Food Value of This Famous Taste Treat. For Frozen Confections—That is, Chocolate and Similarly-Coated Ice-Cream Bars. Eskimo Pie Corporation. 8,897; June 15.
Your Baby's Biggest Job!—Learning to Handle a Grown Up Diet. For Wheat Breakfast Food. Cream of Wheat Co. 8,895; June 15.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Royal Coal Company. 229,526; June 15.
Seeds, bulbs, and plar[illegible] Alexander Forbes & Co. 209,161; June 15.

CLASS 2.

Bags, Mothproof. Seinsheimer Paper Company. 230,851; June 15.
Baskets, Canvas. Hillside Cotton Mills. 230,482; June 15.
Containers for bottles, Protecting. Simon-Wetzlar Inc. 210,198; June 15.

CLASS 3.

Traveling cases. Pro-phy-lac-tic Brush Company. 226,972; June 15.

CLASS 4.

Cleaning and polishing materials or substances. J. J. Gagnon. 229,789; June 15.
Cleaning, finishing, and dressing preparations, Liquid. J. A. Dutton. 224,658; June 15.
Cleanser, Dental plate. S. M. Edison. 230,388; June 15.
Soap. Best & Co. 213,060; June 15.
Soap. Van Wie Soap Works. 229,481; June 15.
Soap, Toilet. Colgate & Company. 222,313; June 15.

CLASS 5.

Adhesive employed in the manufacture of coal, ores, etc. Robeson Process Company. 230,358; June 15.
Cement, Adhesive belt. Graton & Knight Manufacturing Company. 216,337; June 15.
Paste and glue. Eastman Kodak Company. 230,333; June 15.

CLASS 6.

Aspirin, cough sirup, Epsom salts, etc. Mahan Products Company. 227,953; June 15.
Bluing for fabrics. Whitex Corporation. 229,766; June 15.
Chemical preparation for treating leather and for dyeing leather and skins. I. G. Farbenindustrie Aktiengesellschaft. 228,038; June 15.
Chemicals used in the manufacture of soap. New-O-Sapine Chemical Company. 230,948–9; June 15.
Coating textile fibers, threads, and yarns, Material for. Neutrasol Products Corporation. 229,353; June 15.
Compound to promote muscular activity. W. J. Burns. 231,363; June 15.
Compound, Vegetable. Lydia E. Pinkham Medicine Co. 226,209; June 15.
Cough drops. Sweets Company of America, Incorporated. 228,008; June 15.
Cream, Face. J. Carrozza. 230,279; June 15.
Cream paste for natural teeth. Associated Dental Products, Inc. 231,300; June 15.
Dentifrice. Children's Clinical Laboratory. 230,088; June 15.
Dentifrice. Children's Clinical Laboratory. 231,186; June 15.
Hair remover. W. J. Rogers. 231,347; June 15.
Herb teas. Mrs. O. V. Jedlicka. 231,001; June 15.
Incense. Zefume, Inc. 229,889; June 15.
Insecticide. R. M. Hollingshead Co. 230,483; June 15.
Insecticides. California Sprayer Company. 217,449; June 15.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 230,807; June 15.
Liquid analgesic. Van Pelt & Brown. 229,991; June 15.
Medicinal compound. L. I. Weiner. 226,702; June 15.
Medicinal preparation. J. Del Re. 229,779; June 15.
Mineral, Bath. Mineral Laboratories Inc. 231,272; June 15.
Mineral oil, agar, and phenolphthalein, Emulsion of. Van Pelt & Brown. 229,992; June 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ointment for rheumatism and piles. J. Jackson. 231,261; June 15.
Perfume, toilet water, and sachet powder. Baldwin Perfumery Co. 230,076; June 15.
Perfume, toilet water, face powder, nail polish, etc. Reichman & Faust. 231,344; June 15.
Perfumes. M. Régnier. 200,222; June 15.
Perfumes, toilet lotions, bath salts, etc. Vanity Import Co. 230,856; June 15.
Perfumes, toilet powder, and toilet water. "Parfums Edouardo, a Corporation." 231,276; June 15.
Perfumes, toilet water, face powder, etc. "Parfise," Inc. 230,680; June 15.
Perfumery and cosmetics. Dr. M. Albersheim. 229,073; June 15.
Powder, Beauty. Fallis Inc. 223,840; June 15.
Powders, creams, packs, etc., Face. E. W. Cassebeer, Inc. 231,244; June 15.
Preparation as a protection against crows. Phinotas Chemical Co. 231,278; June 15.
Preparation, Deodorizing. W. A. Voigt. 193,315; June 15.
Preparation for headache, neuralgia, etc., Medicinal. W. M. Knight. 231,265; June 15.
Preparation for internal use, Medicinal. J. Williams. 229,014; June 15.
Preparation for rheumatism, burns, and scalds, sore feet, sore joints, and sprains. A. E. Shropshire. 219,457; June 15.
Preparation for treating asthma, bronchitis, hay fever, etc. O. W. Dean Co. 231,188; June 15.
Preparations, astringent cream, bleaching cream, etc., Toilet. Hollywood Cosmetic Company. 230,739; June 15.
Preparations, Laxative and bowel-corrective. M. Vicenzi. 229,993; June 15.
Remedies, Dog. Sacol Laboratory. 221,512; June 15.
Remedy for running fits. W. F. Strayhorn. 230,057; June 15.
Rubber softeners. Wishnick-Tumpeer Chemical Co. 231,227–8; June 15.
Salve. American Arlesheim Laboratories Inc. 227,100; June 15.
Salve. E. K. Johnson. 220,902–3; June 15.
Soda, Washing. Buckeye Soda Products Company. 229,430; June 15.
Tonic, Blood. T. J. Conley. 222,824; June 15.
Tonic, Chill and fever. T. J. Conley. 222,826; June 15.
Tonic, Hair. J. V. Lago. 230,746; June 15.
Tonic, shampoo, cleansing creams, and compacts, Hair. F. W. Fitch Company. 230,390; June 15.

CLASS 8.

Pipes, cigar and cigarette tubes and holders, Tobacco. B. B. B. Pipe Co. Inc. 230,439; June 15.

CLASS 9.

Matches. O. Savo. 224,150–3; June 15.

CLASS 12.

Cement. North American Cement Corporation. 230,305; June 15.
Doors. M and M Wood Working Company. 228,042–8; June 15.
Lime, Hydrated. Rockland & Rockport Lime Corporation. 230,048; June 15.

CLASS 13.

Belt hooks or fasteners. W. O. & M. W. Talcott, Inc. 231,129; June 15.
Chains and chain products and hooks, rings, links, etc. Chain Products Company. 214,848; June 15.
Clamping devices. Metallic Utilities Manufacturing Company. 230,756; June 15.
Coffee makers and coffeepots. Tricolator Company. 231,218; June 15.
Fencing, Wire. Pittsburgh Steel Company. 231,163; June 15.
Toilet seats. J. H. Kraus. 231,151; June 15.
Window closer and rain and snow excluder. Automatic. E. Klonlecki. 228,758; June 15.

CLASS 14.

Metal and castings and forgings thereof, Magnesium. H. O. Berg. 212,536; June 15.

CLASS 15.

Gasoline, lubricating oils and greases. Cities Service Oil Company. 230,720; June 15.
Oil, Penetrating. E. F. Gainor. 221,741; June 15.

CLASS 16.

Cleaning and polishing automobiles, Preparation for. R. J. Bollman. 230,378; June 15.
Lacquers. United States Gutta Percha Paint Company. 230,431; June 15.
Paint drier. Panhandle Refining Company. 230,410; June 15.
Paint enamel, Ready-mixed. Paragon Paint & Varnish Corporation. 231,339; June 15.
Paint for wall and ceiling surfaces. Muralo Company. 225,834; June 15.
Paints. National Cloak & Suit Co. 230,252; June 15.
Paints, Metallic. Toch Brothers, Incorporated. 228,581; June 15.
Paints, varnishes, and enamels. Brown-Lindsay Paint Co. 230,277–8; June 15.
Paste and ready-mixed paints. Mautz Paint and Glass Company. 227,362–4; June 15.
Paste and ready-mixed paints. Mautz Paint and Glass Company. 227,367; June 15.
Polish for use on furniture, pianos, etc. L. E. Gribbens. 230,915; June 15.
Varnish, stains, fillers, lacquers, etc. R. M. Hollingshead Co. 229,967; June 15.
Varnished surfaces, Liquid of spiritlike consistency used as a cover or finish on. L. R. Reed. 218,332; June 15.

CLASS 19.

Automobile curtains. B. L. Poloskie. 229,702; June 15.
Pads, steering-wheel grips, side curtains for automobiles, etc., Seat. Wedler-Shuford Co. 227,978; June 15.
Radiators and extensions for motor-vehicle gear-shift levers, Caps for motor-vehicle. Globe Specialty Co. 225,157; June 15.
Shock absorbers. Detroit Steel Products Company. 229,668; June 15.
Taxicabs. Royal Martel Corporation. 227,689; June 15.
Wheels, Steering. American Hard Rubber Company. 230,374; June 15.

CLASS 22.

Parks, Amusement. E. A. Beicher. 224,495; June 15.
Skates, Snow and ice. P. F. Denning. 214,061; June 15.
Sporting goods. T. H. Prosser and Sons Limited. 227,851; June 15.
Toys and balls, Inflatable rubber. D. Dorogi & Co. Rubber Goods Factory Ltd. 227,941; June 15.

CLASS 23.

Automobiles, Washing device for. "Friend" Manufacturing Company. 223,119; June 15.
Box-end-making machines, etc. Daniels & Schuck, Inc. 230,443; June 15.
Die heads. Landis Machine Company. 230,552–3; June 15.
Engines, Internal-combustion. Foos Gas Engine Company. 231,372; June 15.
Loom feelers. Draper Corporation. 231,312; June 15.
Marking template for use in marking leather and the like. E. E. Sanborn. 211,711; June 15.
Milling machines, milling-machine attachments, metal-working machines, etc. Kempsmith Manufacturing Co. 230,924; June 15.
Pipe-cutter wheels, threading sets, and back-saw blades. Wolverine Brass Works. 227,927; June 15.
Pump attachment for vehicles. Jaeger Portable Power Corporation. 229,041; June 15.
Scrapers for leveling earth. J. S. Reynolds. 228,665; June 15.
Shovels. Pittsburgh Shovel Company. 223,600; June 15.
Tiering machines. Economy Engineering Company. 212,904; June 15.
Tools and equipment, Oil-well. Union Tool Company. 196,037; June 15.
Tractors. Continental Company. 229,219; June 15.

CLASS 24.

Padding, Cotton. Progressive Weaving Co. 222,143; June 15.

CLASS 26.

Data incident to expenses, earnings, and time involved in operating automobiles, Devices to ascertain. Obmer Fare Register Company. 229,694; June 15.
Pencils and rules, Combined. A. F. Gaidos. 227,269; June 15.

CLASS 31.

Refrigerating machines. California Refrigeration Manufacturing Company. 223,020; June 15.
Refrigerating machines. Ice-O-Matic Company. 230,453; June 15.
Refrigerators. Sievers & Erdman Co. 230,769; June 15.

CLASS 32.

Cabinet, Filing. Invincible Metal Furniture Company. 229,738; June 15.
Cabinets, Filing. General Fireproofing Company. 227,737; June 15.
Footstools. Bernard W. Cowen Corp. 229,850; June 15.
Furniture, Bedroom. Level Furniture Company. 202,813; June 15.
Furniture, Upholstered. S. Apiccella. 228,166; June 15.
Racks, Display. John H. Best & Sons. 225,217; June 15.

CLASS 34.

Boilers and garbage burners, Heating. Heggie-Simplex Boiler Company. 214,958; June 15.
Ranges and combination gas and coal ranges, Gas and coal. H. Goldenson. 222,505; June 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ventilating buildings, Apparatus for. Aerozon Air Conditioning Company. 202,156; June 15.

CLASS 35.

Clutch rings. Thermoid Rubber Company. 229,760; June 15.
Linings for automobiles, Brake and clutch. Multibestos Company. 228,479; June 15.
Tires for automobiles, Rubber. Delion Tire and Rubber Corporation. 224,696; June 15.
Tires, Patch material for rubber. General Rubber Repair Co. 220,713; June 15.
Tires, tire tubes, reliners, flaps, and tire-tube-patching outfits, Automobile. Roy's Tire Cave, Inc. 229,822; June 15.

CLASS 37.

Binders, Loose-leaf. R. Cummings. 225,773; June 15.
Chalk, marking chalk, lead pencils, ink pencils, etc., Billiard. Schwan, Bleistift-Fabrik A.-G. 226,828; June 15.
Envelopes. Securfold Envelope Corporation. 229,707; June 15.
Files of paper and/or fabric, metal clips, etc., Expanding. Cooke and Cobb Company. 211,330; June 15.
Paper and cardboard. C. M. Rice Paper Company. 222,521; June 15.
Paper clips. Noesting Pin Ticket Company. 197,951; June 15.
Paper, Drawing. H. A. Schoeller. 229,058; June 15.
Paper employed for packing butter, etc. Paterson Parchment Paper Co. 229,049; June 15.
Paper, Filter. Sterling Products Company. 229,475; June 15.
Paper, paper napkins, and stationery, Wrapping. Algonquin Paper Company. 225,215; June 15.
Pens and pencils. W. A. Sheaffer Pen Co. 211,057; June 15.
Rubber bands. C. B. Martin. 219,975; June 15.
Writing paper and mailing envelopes. Wesley & Winter, Inc. 227,379; June 15.

CLASS 38.

Calendars, newspapers, price lists, and greeting cards. Wall, Brown & Bigelow. 229,897; June 15.
Magazine, Monthly. Columbus Retail Grocers' Association. 227,112; June 15.
Magazine, Monthly. Petroleum World Publishing Company. 228,005–6; June 15.
Magazine, Monthly. A. W. Wolf. 228,790; June 15.
Newspaper, Semiweekly. F. G. Hedges. 229,511; June 15.
Paintings, Facsimile oil. S. Franklin & Co. 230,293; June 15.
Pamphlets, maps, and guidebooks, Travel. Wicker Tours. 213,339; June 15.
Periodical. Register and Tribune Company. 229,706; June 15.
Publication, Monthly. Felician Sisters Convent and Academy. 229,716; June 15.
Publication, Monthly. W. N. Freeman. 230,168; June 15.

CLASS 39.

Bathing suits, shirts, trunks, etc. Peckman-Foreman, Inc. 231,209; June 15.
Boots and shoes. Halpern-Navison Shoe Co. 223,169; June 15.
Brassières, a combination brassière and girdle support. Kunstadter Brothers. 229,862; June 15.
Capes, coats, play coats, hats, etc. Boott Mills. 230,275; June 15.
Chokers, neck pieces, capes, coats, gloves, etc. Alaska Fur Company. 224,539; June 15.
Clothing. Big Store Company. 193,753; June 15.
Clothing. Stewart & Pearson. 231,075–6; June 15.
Clothing. Stewart & Pearson. 231,078; June 15.
Clothing, Workingmen's. Larned, Carter and Company. 230,399; June 15.
Coats and suits, Women's, misses', and children's. William A. Badger & Co. 230,216; June 15.
Coats, dresses, rompers, etc., Children's. R. H. Macy & Co. 231,386; June 15.
Coats, dresses, rompers, etc., Children's. R. H. Macy & Co. 231,388; June 15.
Coats, Ladies' outer. Edward Krieger & Co. 231,266; June 15.
Coats, vests, trousers. Cohen, Goldman & Co. Inc. 231,369; June 15.
Cotton, silk, and artificial-silk aprons and dresses. Tabin-Picker & Co. 227,329; June 15.
Dresses. E. H. Behrens & Co. 231,233; June 15.
Dresses. J. Jacobson. 229,916; June 15.
Dresses and gowns, Women's and misses'. Blecher, Arnold & Engelberg. 224,896; June 15.
Dresses, tailored suits, sport coats, sweaters, caps, etc. Franklin Simon & Co. Inc. 228,422; June 15.
Dresses, Women's and children's. Best & Co., Inc. 231,235; June 15.
Dresses, Women's and misses'. Parisian Mfg. Co. 228,262; June 15.
Garments, Woolen. Utah Woolen Mills. 212,112; June 15.
Gloves, Leather and cotton. Hostachy Freres. 228,700; June 15.
Hosiery, pyjamas, nightgowns, shoes, etc. Posner Hosiery, Inc. 226,019; June 15.
Jackets, trousers, suits, etc., Sport. B. A. Cohen. 229,848; June 15.
Lining for men's trousers, Waistband. Colonial Textile Co. 231,093; June 15.
Mufflers. Trabulsi Knit Fabric Co. 212,763; June 15.
Neckties, cravats, scarfs, mufflers, etc. L. Friedman Neckwear Corporation. 229,677; June 15.
Neckwear. J. David. 230,444; June 15.
Overcoats, sheep-lined coats, leather vests, etc., Men's and boys'. Steel-Tex Manufacturing Company. 228,875; June 15.
Overcoats, suits, topcoats, and trousers. Danzig and Levine. 228,029; June 15.
Robes, Bath. Frank Rubinowitz Mfg. Co. Inc. 229,753; June 15.
Robes, gowns, lounge suits, and jackets, Men's. Lewis Wise Co. 211,937; June 15.
Shirts, collars, neckties, gloves, etc. G. G. Bachman. 226,090; June 15.
Shirts, Men's negligee. Associated Merchandising Corporation. 230,153; June 15.
Shirts, overalls, jackets, pants, etc. E. V. Benjamin Company. 230,514; June 15.
Shoes and slippers. Nath'l Fisher & Co. 231,034; June 15.
Shoes, Leather. Craddock-Terry Co. 229,851; June 15.
Shoes, slippers, mules, spats, and hose. Wetherby-Kayser Shoe Co. 228,730; June 15.
Suits and overcoats, Ladies' and men's. M. B. Venhoff Company. 231,175; June 15.
Suits and overcoats, Men's and boys'. A. Klein. 228,380; June 15.
Suits, Men's. Rosenberg Bros. & Co. 228,333; June 15.
Suits, overcoats, shirts, cravats, etc., Men's and boys'. National Dep't. Stores. 226,908; June 15.
Sweaters, knit suits, and women's knit dresses, caps, toques, etc. Lampl Knitwear Company. 229,340–1; June 15.
Topcoats, overcoats, coats, vests, etc. L. Greif & Bro. Incorporated. 231,320; June 15.
Undershirts, bloomers, belts, corsets, etc. H. Heinzelmann. 222,029; June 15.
Underwear, Men's. Dixie Underwear Company Inc. 230,230; June 15.
Underwear of knitted and textile fabric. Bethlehem Textiles Company. 230,156; June 15.

CLASS 40.

Flowers and ribbon novelties, Fancy. R. J. Heller. 229,912; June 15.
Ornamental shoe-lace holder. Ambecor Corporation. 227,871; June 15.

CLASS 42.

Carpets and rugs. Philadelphia Carpet Co. 194,471; June 15.
Carpets and rugs, Textile. Bigelow-Hartford Carpet Company. 211,321; June 15.
Cotton, etc., Piece goods of. E. H. Behrens & Co. 231,426; June 15.
Cotton fabrics, silk and cotton fabrics, and silks in yard pieces. S. S. Shapiro. 226,984; June 15.
Cotton sheets, bedspreads, and sheetings. Cambridge Textile Co. 231,138–9; June 15.
Cotton silk, artificial-silk, etc., piece goods. Marvlo Mills, Inc. 230,942; June 15.
Cotton piece goods. Arthur A. Levy & Co. 229,742; June 15.
Handkerchiefs. Douglas & Green Inc. 231,429; June 15.
Handkerchiefs. Wilson Brothers. 231,025; June 15.
Rugs and mats, Textile. Clark Son & Morland Ltd. 192,758; June 15.
Sheets, pillowcases, bedspreads, etc. Schindel-McDaniels Company. 223,807; June 15.
Silk, cotton, rayon, etc. Oriental Silk Printing Company. 220,972; June 15.
Wool, cotton, and silk and mixtures of the same, Piece goods of. Societe Anonyme Rodier. 228,780; June 15.
Wool, cotton, and silk and mixtures of the same, Piece goods of. Societe Anonyme Rodier. 231,498; June 15.
Woolen and worsted fabrics in the piece. Detmer, Bruner & Mason, Inc. 229,548; June 15.
Woolen piece goods. Forstmann & Hoffmann Company. 211,919; June 15.
Woolen piece goods. Forstmann & Hoffmann Company. 212,682; June 15.

CLASS 43.

Yarn, Artificial-silk. A. Schurmann, Inc. 228,200; June 15.

CLASS 44.

Bandages, Surgical elastic. Wm. A. Hall Manufacturing Company. 231,480; June 15.
Inhalers. Sanitarium and Hospital Equipment Company. 214,752; June 15.
Lamps, Therapeutic. Eastern Laboratories, Inc. 194,263; June 15.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Nose and mouth respirators, helmets, dust hoods, face masks, etc. Pulmosan Safety Equipment Co. 223,409; June 15.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 231,298; June 15.

CLASS 45.

Beverages and sirups and extracts for making the same. Ideal Beverage Company. 230,298; June 15.
Beverages and sirups for making the same, Nonalcoholic. Coca-Cola Bottling Corporation of Waterbury. 230,818; June 15.
Beverages, Nonalcoholic. Kismet Beverage Co. 230,631; June 15.
Ginger ale and other flavors. E. Risedorph. 229,004; June 15.
Grape juice. Ridenour-Baker Mercantile Company. 230,568; June 15.

CLASS 46.

Birdseed. E. W. Durkee. 229,168; June 15.
Bran and bran flakes. Hecker-H-O Company, Inc. 229,563; June 15.
Bread. Burns Ferma Culture Baking Co. Inc. 198,562; June 15.
Bread. Gordon Baking Company. 229,030; June 15.
Bread and gingerbread. Midland Bakeries Company. 228,923; June 15.
Butter. The Jobbing Association—Farmers Educational and Cooperative Union of America—Kansas Branch. 230,176; June 15.
Candies and chocolates. E. Greenfield's Sons. 230,881; June 15.
Candy. Bennett-Hubbard Candy Company. 231,135; June 15.
Candy. Bissinger Candy Company. 227,434; June 15.
Candy. Bissinger Candy Company. 227,436; June 15.
Candy. Hartlove Candy Company. 230,994–6; June 15.
Candy. G. P. Pieratt. 229,463; June 15.
Candy. Queen Anne Candy Company. 215,818–19; June 15.
Candy. Royal Candy Co. 230,315; June 15.
Candy. Tri A Mint Company. 213,535; June 15.
Candy bar. Griffin Grocery Co. 230,539; June 15.
Candy, Chocolate. Bishop & Company. 224,318; June 15.
Canned corn. Naomi Canning Co. 230,111; June 15.
Canned corned beef. G. H. Lymen & Co. 231,155; June 15.
Canned fruit and vegetables and coffee. Charles Hewitt & Sons Co. 230,546; June 15.
Canned herrings and anchovies. Fredriksstad Preserving Co. 202,939; June 15.
Canned salmon. Klamath River Packers Association. 218,418; June 15.
Canned vegetables. Easton Canning Corporation. 230,729; June 15.
Canned vegetables. Naomi Canning Co. 230,108–9; June 15.
Canned vegetables. Naomi Canning Co. 230,112; June 15.
Cereal foods. Wryco Milling Company. 227,098; June 15.
Cheese, Gruyère. Bürki & Cie. 219,224; June 15.
Cheese preparation. Pabst Corporation. 229,298; June 15.
Cocoa, malt extract, sugar, and milk for conversion into a beverage, Powdered compound made from. Western Food Products Corporation. 228,452; June 15.
Coffee. Martin Bros. Co. 215,080; June 15.
Farina and self-rising flour. Hecker-H-O Company. 226,056; June 15.
Feed for hogs and chickens. Perry Milk Products Company. 212,293; June 15.
Flour, egg wash, corn meal, etc., Wheat and Graham. Nicholson Mills. 226,675; June 15.
Flour, Wheat. Omaha Flour Mills. 227,676; June 15.
Flour, Wheat. Red Star Milling Company. 212,349; June 15.
Flour, Wheat and cake. Wallace Milling Co. 213,937; June 15.
Food-flavoring extracts. McMonagle & Rogers. 230,181; June 15.
Food-flavoring extracts, spices, tea, and coffee. Schwabacher Bros. & Co. Inc. 230,127; June 15.
Fruits, Fresh citrous. M. E. Fernandez. 226,283; June 15.
Grapes, Fresh. Ardzrooni Brothers. 214,528; June 15.
Ice cream and brittles. C. M. Hayes. 230,921; June 15.
Peas, Early-variety. Waterloo Canning Association. 230,600; June 15.
Relish, sandwich relish, olive spread, etc., Sweet-pepper. W. O. Swezey. 189,697; June 15.
Sauce, Red chili. Ramirez & Feraud Chile Co. 183,314; June 15.

CLASS 48.

Beverages. F. L. Weger. 231,466; June 15.
Malt beverages, extracts, and liquors. Herrmann Bros. Company. 227,948; June 15.
Malt extract, Dry. Maltop, Inc. 230,456; June 15.
Malt sirup. Union Beverage Company. 225,455; June 15.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aasen, Andrew. (See Aasen, Bertha and A.)
Aasen, Bertha and A., Seattle, Wash. Hair-cutting device. 1,589,037; June 15.
Abresch, Charles, Company. (See Johnson, Harry A., assignor.)
Ackerman, Eugene G., and C. E. Ernst; said Ackerman assignor to A. G. Ernst, Buffalo, N. Y. Antifriction device for springs. 1,588,434; June 15.
Ackermann, Frank B. (See Steffan, W. C., Ackermann, and Greiner.)
Actien Gesellschaft für Anilin Fabrikation. (See Langer, Hans, assignor.)
Adams, Charles A., Davenport, Iowa. Lens-grinding apparatus. 1,588,435; June 15.
Adler, Rudolf, Carlsbad, Czechoslovakia. Adsorptive charcoal for medicinal purposes. 1,589,081; June 15.
Air Reduction Company. (See Van Nuys, Claude C., assignor.)
Air Reduction Company, Incorporated. (See Sossong, Raymond A., assignor.)
Aktiebolaget Ljungstroms Angturbin. (See Ljungström, Fredrik, assignor.)
Albers, Charles, assignor to The Ohio Match Company, Wadsworth, Ohio. Feed device for belt conveyers. 1,589,082; June 15.
Alexander, Charles L., Charlotte, N. C. Making a denture. 1,589,083; June 15.
Alexander, Ford Corporation, The. (See Alexander, Ford I., assignor.)
Alexander, Ford I., assignor to The Ford Alexander Corporation, Los Angeles, Calif. Cementing wells. 1,588,643 June 15.
Allison, Thomas C., Dover, Ohio, assignor of one-half to D. R. Downey, Highland Park, Mich. Automatic steak beater. 1,589,084; June 15.
All Metal Valve Company. (See Cope, R. H., and May, assignors.)
Allen, William L., Los Angeles, Calif. Automatic refuse receiver. 1,588,688; June 15.
Allyn, Robert S., trustee. (See Clark, Norris E., assignor.)
American Blower Company. (See Hogan, E. L., and Witham, assignors.)
American Bottle Company, The. (See Curran, Jerome P., assignor.)
American Cast Iron Pipe Company. (See Carson, Harry Y., assignor.)
American Cellulose & Chemical Manufacturing Company, The. (See Dreyfus, Camille, assignor.)
American Cyanamid Company. (See Barsky, George, assignor.)
American Cyanimid Company. See Heuser, Ralph V., assignor.)
American Flyer Mfg. Co. (See Becker, Harry S., assignor.)
American Metal Company. (See Schleicher, Henry M., assignor.)
American Optical Company. (See Moulton, Harold R., assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Radiator Company. (See Eggleston, Lewis W., assignor.)
American Stove Company. (See Possons, Minard A., assignor.)
American Swiss Magneto Company. (See McCarthy, Charles S., assignor.)
American Tank Company. (See Walker, Jay P., assignor.)
American Telephone and Telegraph Company. (See Bailey, Rand S., assignor.)
American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)
American Telephone and Telegraph Company. (See Wismer, Elnar, assignor.)
American Tobacco Company, The. (See Austin, J. H., and Ginn, assignors.)
American Tobacco Company, The. (See Roberts, Charles L., assignor.)
Anderson, David A. and G. L., Faribault, Minn. Piston vise. 1,589,085; June 15.
Anderson, Ernst G. K., Evanston, assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Lens mounting for lamp cases. 1,588,436; June 15.
Anderson, George L. (See Anderson, David A. and G. L.)
Anderson, Harry F., et al. (See Hancock, Raymond F., assignor.)
Anderson, Harry G., Chicago, Ill. Automatic control for toilets. 1,588,644; June 15.
Anderson, Henry J., Fox Park, Wyo. Mousetrap. 1,589,086; June 15.
Anderson, Lossie E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Combined shipping crate and tilting can support. 1,589,038; June 15.
Anderson, Raymond, Cleveland, Ohio. Motor-operated windshield cleaner. 1,588,399; June 15.
Anschutz-Kaempfe, Hermann, Munich, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro", s' Gravenhage, Netherlands. Gyroscopic apparatus. 1,589,039; June 15.
Anthon, George C., New York, N. Y., assignor to Stanley Insulating Company, Great Barrington, Mass. Vacuum bottle. 1,589,088; June 15.
Apex Machine Company, The. (See Ziegler, William M., assignor.)
Appleton Electric Co. (See Anderson, Ernest G. K., assignor.)
Archea, Walter D. (See Binns, G. W., and Archea.)
Armstrong Cork Company. (See Hartman, John C., assignor.)
Arndt, Hermann, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric signaling system. 1,589,341; June 15.
Aronson, Louis V., Newark, N. J. Reflecting sparkler. 1,589,087; June 15.
Arpin, John B., Wisconsin Rapids, Wis. Hydraulic separating mechanism. 1,588,689; June 15.
Arthur, Robert C. (See Mannion, M., and Arthur.)
Ashmead, Robert, and K. R. Hodges, assignors to Hodges Carpet Company, Indian Orchard, Mass. Carpet-wrapping machine. 1,588,930; June 15.
Atamian, Charles. (See Chortanian, G., and Atamian.)
Aulbach, Charles J., assignor to Passaic Metal Ware Company, Passaic, N. J. Sifter top for receptacles. 1,588,870; June 15.
Auld, D. L., Company, The. (See Auld, Frederick H., assignor.)
Auld, Frederick H., assignor to The D. L. Auld Company, Columbus, Ohio. Cap for radiators of automobiles. 1,588,567; June 15.
Austin, Joseph H., and B. W. Ginn, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Machine and process for blending and stripping tobacco. 1,588,511; June 15.
Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical coil. 1,588,512.
Autocall Company, The. (See Hornaday, T. F., and Kittleberger, assignors.)
Automatic Electric Inc. (See Blessing, John G., assignor.)
Automatic Electric Inc. (See Nelson, Martin L., assignor.)
B-N-B Rubber Company et al. (See Fisk, Clark F., assignor.)
Babbitt, Elwin J., Holland, Mich. Artificial bait. 1,588,690; June 15.
Bachmann, Alwin B. (See Keller, J. F., and Bachmann.)
Bachrach, Heinrich, Cassel, Germany. Washboiler with furnace. 1,589,309; June 15.
Backus, Clarence G., assignor to A. P. Munning & Co., New York, N. Y. Making anodes. 1,588,513; June 15.
Badische Anilin- & Soda-Fabrik. (See Neresheimer, Heinrich, assignor.)
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,589,040; June 15.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,589,171; June 15.
Bailey, Ernest M., Woodsdale, N. C. Headlight-controlling device. 1,589,089; June 15.
Bailey, Rand S., Montclair, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,588,437; June 15.
Ball, Albert P., Royal Oak, assignor to Square D Company, Detroit, Mich. Electrical system. 1,588,514; June 15.
Bamberger, Paul G., Chicago, Ill. Rowlock. 1,589,090; June 15.

Barany, Edmund R., Brooklyn, N. Y. Switch. 1,588,515; June 15.
Barber-Greene Company. (See Barber, Harry H., assignor.)
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Portable conveyer. 1,589,091; June 15.
Barber, Vincent. (See Siebenhaar, Christian J., assignor.)
Barefoot, Josie C., Charlotte, N. C. Cushion spring. 1,589,092; June 15.
Barnes, Albert F., Brooklyn, N. Y. Concrete piling. 1,588,516; June 15.
Barr, John H., Ithaca, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,588,871; June 15.
Barrett, Edward R., assignor to Wood Hydraulic Hoist and Body Company, Detroit, Mich. Power take-off mechanism. 1,589,093; June 15.
Barrett, Joseph M., assignor to The S-C Regulator Manufacturing Company, Fostoria, Ohio. High-pressure valve. 1,588,645; June 15.
Barringer, Lawrence E., and C. F. Peterson, Schenectady, N. Y., assignors to General Electric Company. Laminated mica poduct. 1,589,094; June 15.
Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Making potassium ferricyanide. 1,589,041; June 15.
Bassett, Harry F., Cynthiana, Ky., and E. C. Lathrop, Philadelphia, Pa. Making arsenates. 1,588,691; June 15.
Bassett, Joseph H., Detroit, Mich. Display device. 1,589,005; June 15.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Bag. 1,588,646; June 15.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Method of and apparatus for packaging material. 1,588,647; June 15.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Closing bags. 1,588,648; June 15.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Making filled bags. 1,588,649; June 15.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Bag forming and filling apparatus. 1,588,650; June 15.
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Batterman, John J. (See Lawson, V. R., and Batterman.)
Baum, Bert C., assignor of two-tenths to K. Sweet, two-tenths to W. V. Sweet, two-tenths to L. Sykes, and one-tenth to O. K. Garrard, Fort Wayne, Ind. Ironing machine. 1,589,042; June 15.
Bausch & Lomb Optical Company. (See Eppenstein, Otto, assignor.)
Bausch & Lomb Optical Company. (See Powell, J. R., and Bausch, assignors.)
Bausch, William. (See Powell, J. R., and Bausch.)
Bay State Optical Company. (See Clulee, Stephen J., assignor.)
Beal, Carl L. (See Eberlin, L. W., and Beal.)
Beal, Carl L. (See Sheppard, S. E., and Beal.)
Beal, Carl L., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of organic materials on anodes from aqueous emulsions thereof. 1,589,324; June 15.
Beasley, Ernest R., Aberdeen, Wash. Collar. 1,588,931; June 15.
Beaudin, Eli, Laona, Wis. Doorlock. 1,589,095; June 15.
Becker, Harry S., assignor to American Flyer Mfg. Co., Chicago, Ill. Reversing switch for toy electric trains. 1,589,096; June 15.
Behr, Hans C., Scarsdale, N. Y. Apparatus for continuously separating liquids from solids. 1,589,097; June 15.
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Folding seat. 1,588,692; June 15.
Bell, Samuel H., et al. (See Fisk, Clark F., assignor.)
Benentt, F. H., Biscuit Company. (See Bennett, Fred Bennett Biscuit Company, New York, N. Y. Biscuit. Des. 70,354; June 15.
Bennett, F. H. Biscuit Company. (See Bennett, Fred H., assignor.)
Bennis, Alfred W., Bolton, England. Power-producing system. 1,588,568; June 15.
Best, Frank E., Seattle, Wash. Compression brake. 1,588,569; June 15.
Bethlehem Steel Company. (See Spigelmire, Charles E., assignor.)
Betke, Michael, Denver, Colo. Automatic rail-joint fastening. 1,589,098; June 15.
Betts, John H. (See Curtis, Henry E., assignor.)
Bezkorowajnyj, Zachary, Lyons, N. Y. Spring-gripping device. 1,588,471; June 15.
Billhimer, Frank M. (See Smith, H. W., and Billhimer.)
Billingham, Henry, Seattle, Wash. Boiler cleaner. 1,589,099; June 15.
Binns, George W., Cincinnati, and W. D. Archea, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Grinding machine. 1,589,043; June 15.
Bishop, Frank, Los Angeles, Calif. Lawn edger. 1,588,694; June 15.
Blair, Robert S., Stamford, Conn. Art and apparatus for warfare. 1,588,932; June 15.
Blessing, John G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Impulse-transmitting device. 1,588,517; June 15.
Bliss, Harold N., Ithaca, N. Y. Method and apparatus for selective electrical tuning. 1,588,438; June 15.
Blomgren, Helge G., Rockford, Ill. Console radio cabinet. Des. 70,355; June 15.
Bloomer Bros. Company. (See Inman, Harry A. and W. H., assignors.)
Blum, Hosmer, San Francisco, Calif. Mixing apparatus 1,588,693; June 15.
Blumenberg, Henry, jr., assignor to Stockholders Syndicate, Los Angeles, Calif. Treating phosphate material. 1,588,651; June 15.
Blumfeldt, Alexander, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphur phenol resin and making same. 1,588,439; June 15.
Boch, Carl, Calgary, Alberta, Canada. Poultry sticking and bleeding frame. 1,589,100; June 15.
Boehm, Walter, Hutchinson, Kans. Laundry net. 1,588,695; June 15.
Boehmer, William J. (See Rancier, Charles A., assignor.)
Bolger, Robert S., New York, N. Y. Container. 1,588,933; June 15.
Bonsall, Charles D., New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill. Devices for operating car couplers. 1,588,696; June 15.
Bonsall, Charles D., New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,588,697; June 15.
Boosey, George, Newport, R. I. Toy figure. 1,588,440; June 15.
Booth, William N., Detroit, Mich. Vehicle wheel. 1,588,934; June 15.
Borsig, A., G. m. b. H. (See Bouché, Charles, assignor.)
Bosch, Robert Aktiengesellschaft. (See Hähnle, Walter, assignor.)
Bottome, Edgar M., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet. Des. 70,356; June 15.
Bottome, Edgar M., assignor to Fostoria Glass Co., Moundsville, W. Va. Plate. Des. 70,357; June 15.
Bouché, Charles, Berlin, assignor to A. Borsig G. m. b. H., Berlin-Tegel, Germany. Pump. 1,589,044; June 15.
Bowerbank, John W., Kidderminster, England. Boiler. 1,588,570; June 15.
Boyce, James, et al. (See Hancock, Raymond F., assignor.)
Boyd, Leora R., Los Angeles, and M. M. Corby, Alhambra, Calif. Game. 1,588,698; June 15.
Boykin, Burwell, jr., Beaumont, Tex. Adjustable crown block. 1,588,872; June 15.
Boyle, Daniel P., New York, N. Y. Writing device. 1,589,045; June 15.
Brace, Porter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy of tantalum. 1,588,518; June 15.
Brackett, Quincy A., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Grid leak. 1,588,519; June 15.
Braden, Alfred M. (See Wright, M. E., and Braden.)
Bramlett, Martin E., and R. P. and V. S. Sludek, Taylor, Tex. Marker attachment for tillage implements. 1,589,101; June 15.
Brandes Laboratories, Inc. (See Gerns, William H., assignor.)
Brandstetter, Josef, Chicago, Ill. Curling-iron heater. 1,589,102; June 15.
Brannigan, Edward J., Buffalo, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,588,520; June 15.
Brant, Clyde C., Los Angeles, Calif., assignor to A. L. New, Ocean Park, Calif. Jar. Des. 70,358; June 15.
Braze, J. J., Co. (See Levitan, Nathan A., assignor.)
Bréguet, Louis and P., Geneva, Switzerland. Spool for wire drawing. 1,588,521; June 15.
Bréguet, Paul. (See Bréguet, Louis and P.)
Brill, J. G., Company, The. (See Curwen, Samuel M., assignor.)
British Arkady Company Limited, The. (See Hewitt, Harry, assignor.)
Brix, Harold, assignor to Sharp & Smith, Incorporated, Chicago, Ill. Syringe. 1,589,046; June 15.
Brixey, Austin D., Greenwich, Conn., assignor to The Replitura Corporation. Moving-picture apparatus. 1,588,935; June 15.
Brooks, Benjamin T., Sound Beach, Conn., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Evaporation of chlorine. 1,588,699; June 15.
Brooks, Charlie R., Wichita Falls, Tex. Feed-gauge pin. 1,588,700; June 15.
Brooks, Winfred M., West Orange, N. J. Lead-headed nail. 1,589,047; June 15.
Brown, Frank A., Chicago, Ill. Cap for receptacles. 1,588,652; June 15.
Browne, Harold L., Houghton, Mich., assignor to G. H. Gilman, Boston, Mass. Drilling machine. 1,588,441; June 15.
Browne, Theodore C., Cleveland, Ohio. Signal-light construction. 1,588,522; June 15.
Brownlee, Kenneth H., Evanston, Ill. Ventilator for closed vehicles. 1,588,653; June 15.
Brownlee, Kenneth H., Evanston, Ill. Ventilator for closed vehicles. 1,588,654; June 15.

Brunnel, Harry C., Little Rock, Ark. Insulated steel structure. 1,588,655; June 15.
Buda Company, The. (See Fisher, E. B., and Harkless, assignors.)
Buffington, Herbert, assignor, by mesne assignments, to Buffington Waterproof Paper Corporation, Seattle, Wash. Waterproofing compound and paper waterproofed thereby. 1,589,103; June 15.
Buffington Waterproof Paper Corporation. (See Buffington, Herbert, assignor.)
Bugbee, Lucian W., assignor to Franklin Optical Company, Indianapolis, Ind. Frame construction for magnifying glasses. 1,588,442; June 15.
Bull, George P., San Jose, Calif. Caster. 1,589,104; June 15.
Burger, Joseph, Richmond Hill, N. Y. Doweling machine. 1,588,443; June 15.
Burrow, James H., Spokane, Wash. Tire shield. 1,588,936; June 15.
Burt, Andrew B., Mill Valley, Calif. Steering-wheel automobile lock. 1,588,937; June 15.
Bussard, John A., Rock Island, Ill. Wheel aligner for automobiles. 1,589,048; June 15.
Busse, Hans, Hanau-on-the-Main, Germany. Transformer for mercury vapour lamps. 1,588,571; June 15.
Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
Caldwell, John M., Southmayde, Tex. Cotton chopper. 1,588,701; June 15.
California Arch Flie Corporation. (See Dinsmoor, Winfield L., assignor.)
Calkins, James B., Ithaca, N. Y. Winding apparatus. 1,588,938; June 15.
Calusinski, Edward, Chicago, Ill. Vehicle tire rim. 1,589,105; June 15.
Campbell, Courtland C., Bowling Green, Ind. Meat wrapper and making same. 1,589,106; June 15.
Campbell, James A., jr., Orlando, Fla. Tube top. 1,589,107; June 15.
Candee, Andrew H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Braking system. 1,588,523; June 15.
Cannard, William H., and G. A. Shaffer, Green Bay, Wis., assignor to said Cannard. Interfolding machine. 1,588,524; June 15.
Cannon, William A., Carmel, Calif. Dirigible lamp. 1,588,702; June 15.
Caretta, Ettore, Turin, Italy. Flexible transmission. 1,589,108; June 15.
Carlson, Clifford G., Jamestown, N. Y. Sheet-metal receptacle. 1,589,109; June 15.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Sheet-metal pulley. 1,589,291; June 15.
Caroula, Frank J., New York, N. Y. Sled. 1,589,110; June 15.
Carr, Amos J., Balboa, Canal Zone. Apparatus for indicating the cycles of internal-combustion engines. 1,589,111; June 15.
Carson, Harry Y., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Pipe joint. 1,588,444; June 15.
Carpenter, Edward A. (See Gere, H. G., and Carpenter.)
Carter, Carey E., Portsmouth, Ohio. Rail joint. 1,588,939; June 15.
Carter, Lionel A., St. Louis, Mo. Gear-lapping machine. 1,589,310; June 15.
Catucci, Pilby, Newark, N. J. Throw-off reel. 1,588,873; June 15.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Dental plate brush. 1,588,940; June 15.
Cell, Charles W., Riverside, Calif. Fastening device. 1,589,049; June 15.
Chamberlain, George, Strawberry Point, Iowa. Collapsible crate. 1,589,112; June 15.
Chandler, Aquila D., Chicago, Ill. Controlling the flow of mixture to internal-combustion engines. 1,588,445; June 15.
Chapman, Frank, Brooklyn, N. Y. Amusement device. 1,588,941; June 15.
Chase Companies. (See Gleason, Henry M., assignor.)
Chase Companies. (See Webb, Ernest H., assignor.)
Chatham, Clyde L., Paterson, N. J. Circuit-testing device. 1,588,572; June 15.
Chemische Fabrik auf Actien (vorm. E. Schering). (See Thiele, Albrecht, assignor.)
Chicago Electric Manufacturing Company. (See Meade, Glen G., assignor.)
Chicago Trust Company, trustee. (See Roberts, Arthur, assignor.)
Chipman Knitting Mills. (See Kane, Jesse C., assignor.)
Chisholm, Charles W., East Orange, assignor to Orange Bearing Company, Orange, N. J. Roller bearing. 1,588,446; June 15.
Chialing, Elliott L., Brooklyn, N. Y. Submarine relief valve. 1,589,113; June 15.
Chortanian, George, and C. Atamian, West New York, N. J. Display device. 1,589,292; June 15.
Christensen, Niels A., Milwaukee, Wis. Air-brake-control-valve mechanism. 1,588,656; June 15.
Christensen, Niels A., Milwaukee, Wis. Sealing valve. 1,588,657; June 15.
Christensen, Niels A., Milwaukee, Wis. Control for air brakes. 1,588,658; June 15.
Christensen, Niels A., Milwaukee, Wis. Vehicle brake-control valve. 1,588,659; June 15.
Christensen, Niels A., Milwaukee, Wis. Braking apparatus for vehicles. 1,588,660; June 15.
Chubb, Lewis W., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vacuum type inverted converter. Re16,363; June 15.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,588,525; June 15.
Cincinnati Milling Machine Company, The. (See Binns, G. W., and Archea, assignors.)
Clark, George S., Portsmouth, Ohio. Lamp holder for caps. 1,588,472; June 15.
Clark, James H., River Rouge, Mich. Automatic coupler for vehicles. 1,588,942; June 15.
Clark, John F., Los Angeles, Calif. Floor polisher. 1,588,943; June 15.
Clark, Lida C., executrix. (See Clark, Norris E.)
Clark, Norris E., deceased, Plainville, by L. C. Clark, executrix, Lakeville, Conn.; said Clark assignor to R. S. Allyn, trustee, New York, N. Y. Expanded-metal fabric. 1,588,661; June 15.
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Mechanism for forming hinges of lasts for shoes. 1,588,703; June 15.
Clement, Ruth E., Cambridge, Mass. Pay envelope and receipt. 1,589,293; June 15.
Cleveland, Henry B., Milwaukee, Wis. Process and apparatus for dewatering material. 1,588,526; June 15.
Clewell, Eva M., Canton, Ohio. Corset brace. 1,589,050; June 15.
Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,588,527; June 15.
Clulee, Stephen J., Attleboro, Mass., assignor to Bay State Optical Company. Spectacle frame. 1,589,051; June 15.
Cocklin, Lewis A., Griswold, Iowa. Liquid-fuel burner. 1,589,052; June 15.
Cocoa Products Company of America, Incorporated. (See Gephart, Frank C., assignor.)
Cogswell, George K., Darlow, Kans. Oil burner. 1,588,662; June 15.
Colbert, Francis E., Denver, Colo. Slot-closing device. 1,588,447; June 15.
Colgate, William H., Larchmont, N. Y. Match-book holder. 1,588,448; June 15.
Collins, Mary A., executrix. (See Collins, Thomas E.)
Collins, Thomas E., deceased, Chicago, Ill.; M. A. Collins, executrix. Folding door. 1,588,663; June 15.
Colombo, John, Auburn, N. Y. Torpedo netting. 1,588,449; June 15.
Coltharp, James, Blue Mountain, Miss. Cotton chopper. 1,588,944; June 15.
Columbia Graphophone Company. (See Purser, William S., assignor.)
Commercial Electrolytic Corporation. (See Laughlin, Robert, assignor.)
Congoleum-Nairn (Inc.) (See Sturrock, James F., assignor.)
Conlin, John J., Braddock, Pa. Water seal. 1,588,704; June 15.
Connor, James L., San Jose, Calif. Reclining frame. 1,589,114; June 15.
Continental Can Company. (See Fink, H. A., and Kronquest, assignors.)
Continental Can Company. (See Hodgson, William W., assignor.)
Conwell, L. R. (See Gold, George L., assignor.)
Coombs, William A., Lancaster, South Australia, Australia. Pneumatic draft gear for the cultivating tines of stump jump agricultural implements. 1,589,115; June 15.
Cope, Robert H., and R. May, Jackson, assignors to All Metal Valve Company, Louisville, Ky. Pump for oil wells. 1,588,705; June 15.
Copeland & Thompson, Inc. (See Thompson, Sidney E., assignor.)
Corby, Marie M. (See Boyd, L. R., and Corby.)
Corwin, Thomas F. (See Layton, Adlaska E., assignor.)
Cory, Samuel L., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,588,450; June 15.
Costigan, Wesley S., assignor to Reynolds Spring Company, Jackson, Mich. Machine for fastening spring strips to construction frames. 1,589,116; June 15.
Cothey, Alfred W., assignor to The Empire Phono Parts Company, Cleveland, Ohio. Radio and tone-arm attachment for phonographs. 1,589,053; June 15.
Cothran, Edward E., Wright, Calif. Sound recording and reproducing device. 1,588,706; June 15.
Cotter, John R., Brooklyn, N. Y. Curling iron. 1,589,117; June 15.
Couch, Royden O., Grant, Fla. Hydraulic turbine. 1,588,528; June 15.
Cousins, Robert W., Gary, Ind. Starting apparatus for D. C. motors. 1,589,054; June 15.
Cousins, Robert W., Gary, Ind. Relay. 1,589,055; June 15.
Cowen, Arthur, assignor to John H. Wilson Co., Inc., New York, N. Y. Cigarette case. 1,589,118; June 15.
Crandell, Willis S., Elsmere, N. Y. Cylinder mold for paper-making machines. 1,589,119; June 15.

Crandell, Willis S., Elsmere, N. Y. Making paper. 1,589,120; June 15.
Cranshaw, Harold B., West Newton, assignor to Cutter Manufacturing Company, Everett, Mass. Hinge arrangement for folding screens. 1,588,529; June 15.
Crompton & Knowles Loom Works. (See Dacey, E. J., and Gordon, assignors.)
Crompton & Knowles Loom Works. (See Diggins, Charles A., assignor.)
Crompton & Knowles Loom Works. (See Hattoy, George, assignor.)
Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
Crowl, Emery A. (See Lukenbill, H. D., and Crowl.)
Csiga, Alexander, Camillus, N. Y. Vacuum ice chest. 1,588,707; June 15.
Cube Teapots Limited. (See Johnson, Robert C., assignor.)
Curran, Jerome P., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 70,359; June 15.
Current, Wertus, Belleville, assignor to Voorhees Rubber Mfg. Co., Jersey City, N. J. Valve construction. 1,588,874; June 15.
Currier, Charles N., and M. C. Merrill, Salem, Mass. Multiple cooking machine. 1,588,530; June 15.
Curtis, Chester W., Greensburg, Pa. Envelope. 1,588,875; June 15.
Curtis, Henry E., San Jose, assignor of one-half to J. H. Betts, Long Beach, Calif. Shackle hanger. 1,589,121; June 15.
Curtiss, Nathan A., Berwyn, Ill., assignor to A. R. Winans, Ramsay, N. J. Toy vehicle. 1,588,876; June 15.
Curwen, Samuel M., Haverford, assignor to The J. G. Brill Company, Philadelphia, Pa. Omnibus top. 1,589,122; June 15.
Cutsinger, Earl J., and T. M. Hagenbook, Evansville, Ind. Automatic window closer. 1,588,708; June 15.
Cutter Manufacturing Company. (See Cranshaw, Harold B., assignor.)
Dacey, Edward J., and A. A. Gordon, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reverse motion for looms. 1,588,664; June 15.
Dalley, John B., Dearborn, assignor to F. E. Holmes, Detroit, Mich. Oil burner. 1,588,945; June 15.
Daly, John J. (See Lawson, V. R., and Batterman, assignors.)
Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. 1,589,123; June 15.
David, John. (See Ladue, Ralph E., assignor.)
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe or similar article. Des. 70,360; June 15.
Dawson, Elma N. (See Dawson, James C., assignor.)
Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,589,124; June 15.
Day, William E., St. Paul, Minn. Power-conserving device. 1,589,125; June 15.
Daylight Film Corporation. (See John, Robert, assignor.)
Deere & Company. (See White, Charles E., assignor.)
Denis, Charles A. et al. (See Dominguez, Manuel D., assignor.)
Dennis, Hugh, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Surgical saw. 1,588,531; June 15.
De Nordiske Fabriker De-No-Fa. (See Holmboe, Carl F., assignor.)
Desmond, Bernard J. (See Wadge, T., and Desmond.)
Detroit Patents Holding Company. (See Haggart, John C., jr., assignor.
Deutsche Luftflider Baugesellschaft mit beschränkter Haftung. (See Fröhlich, Theodor, assignor.)
De Vasconcellos, Waldemir A. M., Rio de Janeiro, Brazil. Clutch control. 1,589,126; June 15.
Deveault, Omer, Derby Line, Vt. Punch. 1,589,127; June 15.
Devereaux, William C., Detroit, Mich. Door latch. 1,588,946; June 15.
De Wagner, Pierre B., Paris, France. Bottle. Des. 70,361; June 15.
Dexter Folder Company. (See Goodwin, Edwin W., assignor.)
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Otoscope. 1,588,791; June 15.
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Orificial instrument. 1,589,172; June 15.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Diamond, Harry C. (See Miller, Guy H., assignor.)
Diamond Match Company, The. (See Roberts, William, assignor.)
Diaz, Alejandro. (See Henriquez, G. A., and Diaz.)
Diggins, Charles A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box motion for looms. 1,588,665; June 15.
Dinkelbihler, Selina, Denver, Colo. Clasp. 1,588,709; June 15.
Dinsmoor, Winfield L., assignor to California Arch File Corporation, Pasadena, Calif. Filing device. 1,588,947; June 15.
Dodge, Harry H., Troy, N. Y. Gas burner. 1,588,792; June 15.
Doering, Charles and H. H., assignors to Doering Manufacturing Company, Chicago, Ill. Lamp for motor vehicles. 1,589,128; June 15.
Doering, Charles and H. H., assignors to Doering Manufacturing Company, Chicago, Ill. Motor-vehicle lamp. 1,589,129; June 15.
Doering, Henry H. (See Doering, Charles and H. H.)
Doering Manufacturing Company. (See Doering, Charles and H. H., assignors.)
Dominguez, José A., Mayaguez, P. R. Telephone-receiver protector. 1,589,130; June 15.
Dominguez, Manuel D., assignor to C. A. Denis and G. Sarpy, New Orleans, La. Pressure-operated snap switch. 1,588,710; June 15.
Dominguez, Manuel D., New Orleans, La. Electromagnetically-operated motor. 1,588,711; June 15.
Donahue, John H., New Orleans, La. Water-supply regulator. 1,588,877; June 15.
Donchian, Paul S., Hartford, Conn. Camera. 1,588,666; June 15.
Dorey, George B., Evanston, Ill., assignor, by mesne assignments to W. H. Miner, Inc. Friction draft rigging. Re16,364; June 15.
Dormandy, Garry J., assignor to Lion Collars & Sbirts, Inc., Troy, N. Y. Collar. 1,588,878; June 15.
Dörnenburg, Heinrich, Essen, assignor to Pressluft und Berieselung, Gesellschaft mit beschränkter Haftung, Gelsenkirchen, Germany. Hydraulic lifting jack. 1,589,333; June 15.
Door Company, The. (See Hale, E. W., and Fink, assignors.)
Downey, Dayton R. (See Allison, Thomas C., assignor.)
Downey, Edward A., Del Ray, Va. Connecter for ventilating racks or trays. 1,588,948; June 15.
Drake, Robert Z., Omaha, Nebr. Lumber moving and storage means. Re16,361; June 15.
Drake, Robert Z., Omaha, Nebr. Moving and storing lumber. 1,588,949; June 15.
Drake, Robert Z., Omaha, Nebr. Lumber-unloading mechanism for seasoning houses. 1,588,950; June 15.
Drew, Jesse B., Hollendale, Miss. Combination middle-breaker and cultivator attachment for planters or fertilizer distributors. 1,588,400; June 15.
Dreyfus, Camille, assignor to The American Cellulose & Chemical Manufacturing Company, Ltd., New York, N. Y. Printing of fabrics and articles. 1,588,951; June 15.
Drummond, Louis E., Williamstown Township, Chester County, Pa. Pipette. 1,589,056; June 15.
Duck, Simon P., Jenks, Okla. Valve-controlling apparatus. 1,588,712; June 15.
Duff Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Dure, Frank, Moose Jaw, Saskatchewan, Canada. Propeller. 1,588,952; June 15.
Eakin, Pat, Sunland, Calif. Amusement device. 1,589,131; June 15.
Eastman Kodak Company. (See Beal, C. L., and Eberlin, assignors.)
Eastman Kodak Company. (See Eberlin, L. W., and Beal, assignors.)
Eastman Kodak Company. (See Sheppard, S. E., and Beal, assignors.)
Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)
Eberlin, Leon W. (See Beal, C. L., and Eberlin.)
Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)
Eberlin, Leon W., and C. L. Beal, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of coatings of cellulosic compounds. 1,589,327; June 15.
Eberlin, Leon W., and C. L. Beal, assignors to Eastman Kodak Company, Rochester, N. Y. Aqueous emulsions of electrodepositable cellulosic compounds and coalescing agents therefor. 1,589,328; June 15.
Eckert, Wilhelm, and H. Greune, Hoechst-on-the-Main, Germany. Vat dyestuffs and making same. 1,588,451; June 15.
Eckles, Noble, assignor of three-fourths to L. W. Rhode, San Diego, Calif. Carburetor. 1,586,667; June 15.
Eclipse Machine Company. (See McGrath, William L., assignor.)
Edlich, Carl, Delawanna, N. J., assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Re70,362; June 15.
Edmiston, Simon C., Los Angeles, Calif. Hospital lift for invalids. 1,588,573; June 15.
Edmund & Jones Corporation. (See Godley, Charles E., assignor.)
Edmunds, Louis L., Crockett, Calif. Machine for making filter-press leaves. 1,588,953; June 15.
Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Valve. 1,588,532; June 15.
Elder, Frederick E., Rochester, N. Y. Shutter for automobile radiators. 1,589,057; June 15.
Electric Auto-Lite Company, The. (See Gilchrist, C. F., and Patterson, assignors.)
Elevator Supplies Company. (See Lighthipe, Kenneth D., assignor.)
Ellingsworth, Joseph H., East Moline, Ill. Parcel parachute. 1,588,713; June 15.
Elzey, Edgar P., Parkersburg, W. Va. Open or attachable link. 1,588,533; June 15.
Emmet, Richard S., Schenectady, N. Y. Andiron. 1,588,954; June 15.

Empire Phono Parts Company, The. (See Cothey, Alfred W., assignor.)
Englert, Johann F., Nuremberg, assignor to The Firm Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft, Augsburg, Germany. Starting valve for internal-combustion engines. 1,588,879; June 15.
English Electric Company, The. (See Morris, Frederick, assignor.)
Engman, Harry A., jr., assignor to Engman Range Eternal Co., Goshen, Ind. Treating iron castings. 1,588,534; June 15.
Engman Range Eternal Co. (See Engman, Harry A., jr., assignor.)
Eppenstein, Otto, Jena, Germany, assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y. Telemeter. 1,589,132; June 15.
Erickson, Arthur F., Portland, Oreg. Oil cup. 1,589,058; June 15.
Erikson, Leonard, Malden, Mass. Show-case reflector. 1,588,880; June 15.
Ernst, Arthur G. (See Ackerman, E. G., and Ernst, assignors.)
Ernst, Charles F. (See Ackerman, E., and Ernst.)
Eustis, Augustus H., Milton, Mass. Recovering sulphur dioxide from gases with which it may be associated and apparatus therefor. 1,589,133; June 15.
Evans, Arthur B., Leeds, England. Automatic feeding mechanism for sheet-printing machines. 1,588,535; June 15.
Evans, George E., Waco, Tex. Cotton-boll extracting and cleaning device. 1,588,881; June 15.
Evans, Jewett G., Fort Worth, Tex. Combined road marker and mail-box support. 1,588,714; June 15.
Ewers, Alexander L., assignor to United Cigarette Machine Company, Lynchburg, Va. Paper feed and printing mechanism for cigarette machines, etc. 1,588,955; June 15.
Ewing, Urbane J., Wilkinsburg, Pa. Closure for milk bottles. 1,589,134; June 15.
Faichney, George H., assignor to Faichney Instrument Corporation, Watertown, N. Y. Thermometer case. 1,589,135; June 15.
Faichney Instrument Corporation. (See Faichney, George H., assignor.)
Fairchild, Walter L., New York, N. Y. Vulcanizing apparatus. 1,588,668; June 15.
Fall, Walter D., Indianapolis, Ind. Automobile road-map roll. 1,589,136; June 15.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Leuchs, O., and Hübert, assignors.)
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Favata, Joseph, jr., Buffalo, N. Y. Oil-stop station meter. 1,588,715; June 15.
Feldenheimer, William, London, England. Treatment of clay. 1,588,956; June 15.
Ferrabino, Edoardo, Turin, Italy. Wire-spoke wheel. 1,588,957; June 15.
Ferris, John P., Milwaukee, Wis. Broach guide. 1,588,716; July 15.
Fink, Colin G. (See Hale, E. W., and Fink.)
Fink, Henry A., Syracuse, N. Y., and A. L. Kronquest, Chicago, Ill., assignors to Continental Can Company, Inc., Syracuse, N. Y. Can-making machine. 1,589,059; June 15.
Finch, Leo O., Iron Mountain, Mich. Portable stand. 1,589,137; June 15.
Firari, William H., North Lowell, Wis. Drawbar clutch control. 1,589,060; June 15.
Firari, William H., North Lowell, Wis. Drawbar clutch control. 1,589,061; June 15.
Fischer, Albert C., Chicago, Ill. Crowning strip for expansion joints. 1,588,717; June 15.
Fischer, Albert C., Chicago, Ill. Corner protection for expansion joints. 1,588,718; June 15.
Fischer, Philip A., New York, N. Y. Adjustable cap. 1,588,536; June 15.
Fisher, Martin T. (See McConnell, B. M., and Friend, assignors.)
Fisher, Raymond B., and M. J. Harkless, Harvey, assignors to The Buda Company, Chicago, Ill. Portable power unit. 1,588,537; June 15.
Fisk, Clark F., Camden, N. J., assignor of one-sixth to S. H. Bell, Reading, Pa., and one-third to J. H. McNeal, and one-half to B-N-H Rubber Company. Nursing bottle. 1,589,138; June 15.
Fisk Rubber Company, The. (See Mead, G. J., and Mather, assignors.)
Fletcher, Joseph E., Dudley, and H. J. Young, Whitley Bay, Northumberland, England. Iron casting. 1,589,062; June 15.
Flint, William G., Colton, Calif. Cup. Des. 70,363; June 15.
Flintham, Harry, Detroit, Mich. Tire lock. 1,588,721; June 15.
Flory, Curtis B., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Apparatus for extinguishing transformer and switch fires. 1,588,882; June 15.
Foamite-Childs Corporation. (See Flory, Curtis B., assignor.)
Foley, Earl H., Seattle, Wash. Combined motion-picture and sound recording and reproducing apparatus. 1,589,139; June 15.
Fondo, Anthony, Hackensack, N. J. Fastening means. 1,589,063; June 15.
Ford, Henry, Dearborn, Mich. Contact unit or assembly. 1,588,722; June 15.
Forsyth, George H., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Disk-wheel-hub assembly. 1,588,669; June 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,588,538; June 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Testing device. 1,588,539; June 15.
Fosseen, Arthur B., Spokane, Wash. Roof. 1,588,540; June 15.
Foster, Royce R., Wheeling, W. Va. Recoil snubber for vehicles. 1,588,541; June 15.
Fostoria Glass Co. (See Bottome, Edgar M., assignor.)
Fostoria Glass Co. (See Greenan, Frank D., assignor.)
Fox, Ivan, Media, Pa. Device for locating the optical centers of eyes. 1,588,401; June 15.
Fox, John C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Rimming machine. 1,588,542; June 15.
France, Jesse H. (See Oliver, G. L., and France.)
Francis, Eric M., London, England. Device for withdrawing liquids from containers. 1,588,883; June 15.
Franklin Optical Company. (See Bugbee, Lucian W., assignor.)
Franklin, Simon, & Co. (See Davis, Taube, assignor.)
Fraser, Warren F., Westboro, Mass., assignor of one-half to M. Green, New York, N. Y. Alarm lock. 1,588,543; June 15.
French, Archey L., Marshall, Tex. Fifth wheel for trucks and trailers. 1,588,719; June 15.
Frey, Clara L., Philadelphia, Pa. Toy vehicle. 1,589,140; June 15.
Fricke, Guy C., Toledo, Ohio. Equalizing means. 1,588,670; June 15.
Friend, Walter. (See McConnell, B. M., and Friend.)
Frisch, August, Munich-Solln, Germany. Device for converting pressure effects into equivalent electrical effects. 1,588,544; June 15.
Froehlich, Herman, jr. (See Schilke, John C., assignor.)
Fröhlich, Theodor, assignor to Deutsche Luftfilter Baugesellschaft mit beschränkter Haftung, Berlin, Germany. Filtering apparatus. 1,588,402; June 15.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller Brush Company, The. (See Rudolph, W. H., and Lucia, assignors.)
Fulwider, Alvin A. (See Kear, A. T., and Fulwider.)
Fusca, Joseph M., Tarentum, Pa. Compound thermometer. 1,589,294; June 15.
Gaines, Arthur E., Denver, Colo. Artificial foot. 1,588,403; June 15.
Gallagher, Fred E., Toledo, Ohio. Building-unit machine. 1,589,141; June 15.
Gardner, Thomas E., et al. (See Russell, Charles C., assignor.)
Garrard, Omar K., et al. (See Baum, Bert C., assignor.)
Gas Research Company, The. (See Smith, Harry F., assignor.)
Gearhart, Ralph W., assignor to Gearhart Sales Cabinet Co., Inc., Clearfield, Pa. Refrigerating cabinet. 1,589,064; June 15.
Gearhart Sales Cabinet Co. (See Gearhart, Ralph W., assignor.)
Gebrig, William F., Berkeley Heights, N. J. Toy pistol. 1,588,404; June 15.
Geiger, Carl F., and F. C. Geiler, assignors to Iceola Corporation, Dayton, Ohio. Refrigerating unit. 1,588,958; June 15.
Geiler, Frederick C. (See Geiger, C. F., and Geiler.)
General Electric Company. (See Barringer, L. E., and Peterson, assignors.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Hitchcock, Ralph, assignor.)
General Electric Company. (See Lemp, Hermann, assignor.)
General Electric Company. (See Mallett, Charles S., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
Gephart, Frank C., New York, assignor to Cocoa Products Company of America, Incorporated, Long Island City, N. Y. Refining oils and fats. 1,588,405; June 15.
Gerber, Carl S., Pittsburgh, Pa. Electric condenser. 1,588,671; June 15.
Gere, Harry G., Maplewood, and E. A. Carpenter, Morristown, N. J. Fishing lure. 1,589,065; June 15.
Gerns, William H., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic driver. 1,588,545; June 15.
Gestetner, D., Limited. (See Gestetner, David, assignor.)
Gestetner, David, assignor to D. Gestetner, Limited, London, England. Duplicating. 1,588,574; June 15.
Gettman, Wilbur P. (See Piper, Charles M., assignor.)
Gibbons, William J., Philadelphia, Pa. Contact device for electric switches. 1,589,066; June 15.
Gilbert, Alva B., assignor to The Willys-Overland Company, Toledo, Ohio. Engine balancer. 1,588,720; June 15.

Gilbert, Frank W. (See Werner, Otto G., assignor.)
Gilbertson, Otto M., La Crosse, Wis. Garage-door opener and closer. 1,589,067; June 15.
Gilchrist, Clarence F., and H. R. Patterson, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Combined timer and distributor. 1,588,546; June 15.
Gilman, George H., Boston, Mass. Drilling machine. 1,588,406; June 15.
Gilman, George H., Boston, Mass. Drilling machine. 1,588,407; June 15.
Gilman, George H., Boston, Mass. Drilling machine. 1,588,408; June 15.
Gilpatrick, Earl W., Whiting, Me. Sectional rim. 1,588,672; June 15.
Gingrich, Elmer R., Lancaster, Pa. Glareshield. 1,588,673; June 15.
Ginn, Bert W. (See Austin, J. H., and Ginn.)
Givens, Thomas T., Merced, Calif. Combination vacuum tank and registering device. 1,589,068; June 15.
Gleason, Henry M., assignor to Chase Companies, Waterbury, Conn. Machine for carding safety pins. 1,588,409; June 15.
Gleason Works. (See Trbojevich, Nikola, assignor.)
Glorient, Inc. (See Matthews, Joseph M., assignor.)
Glover, B. J., et al. (See Woodall, Robert B., assignor.)
Godley, Charles E., assignor to Edmund & Jones Corporation, Detroit, Mich. Lamp-door lock. 1,589,142; June 15.
Godley, Charles E., assignor to Edmund and Jones Corporation, Detroit, Mich. Headlamp construction. 1,589,143; June 15.
Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp-door fastening. 1,589,144; June 15.
Godstrey, Perceval E., and J. W. Whiteside, New York, N. Y. Piston. 1,589,069; June 15.
Goertz, August, & Co. (See Goertz, August, assignor.)
Goertz, August, Newark, N. J., assignor to August Goertz & Company. Lock for suitcases or similar article. Des. 70,364; June 15.
Gold, George L., assignor to L. R. Conwell, New York, N. Y. Advertising device. 1,588,674; June 15.
Goldman, Ralph H., New York, N. Y., assignor to H. L. Hughes Co., Inc. Manicuring instrument. 1,589,339; June 15.
Goldsmith, Elmer P., Newark, N. J., assignor to Miller & Goldsmith, New York, N. Y. Novelty handkerchief package. 1,588,548; June 15.
Goldstein, Barnett H. (See Pugatsky, M., and Goldstein.)
Golladay, Lawrence R., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone receiver. 1,588,547; June 15.
Golinik, Arthur T., assignor of one-half to E. P. Wood, New York, N. Y. Support for commercial articles. 1,589,145; June 15.
Golinik, Arthur T., assignor of one-half to E. P. Wood, New York, N. Y. Toy. 1,589,146; June 15.
Goodwin, Edwin W., South Berwick, Me., assignor to Dexter Folder Company, New York, N. Y. Variable sheet-registering mechanism. 1,589,070; June 15.
Gordon, Albert A. (See Dacey, E. J., and Gordon.)
Gouldbourn, Joseph, and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Stamping machine. 1,588,410; June 15.
Gove, Emery T., Piedmont, Calif. Container cap. 1,588,675; June 15.
Gilman, George H. (See Browne, Harold L., assignor.)
Grand Rapids Metalcraft Corporation. (See Roedding, Gordon, E., assignor.)
Gravely, Julian S., Wytheville, Va., assignor to Winchester Repeating Arms Co., New Haven, Conn. Extension roller skate. 1,588,676; June 15.
Graves, William F., et al. (See Woodall, Robert B., assignor.)
Graybill, Tully, and R. H. Waters, asisgnors to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire tread. Des. 70,365; June 15.
Great Northern Paper Company. (See Harkness, Orris A., assignor.)
Green, Morris. (See Fraser, Warren F., assignor.)
Greenan, Frank D., assignor to Fostoria Glass Co., Moundsville, W. Va. Goblet. Des. 70,366; June 15.
Greenstreet, Charles J., executor. (See Greenstreet, Jason H.)
Greenstreet, Jason H., deceased, Indianapolis, Ind., C. J. Greenstreet, executor, Chicago, Ill. Paper-board machine. 1,588,452; June 15.
Gregg, E., Claremore, Okla. Storage battery. 1,588,959; June 15.
Greiner, Walter J. (See Steffan, W. C., Ackermann, and Greiner.)
Greune, Heinrich. (See Eckert, W., and Greune.)
Griffith, Benjamen T., Oelwein, Iowa. Adjustable brick jointer. 1,588,793; June 15.
Groble, Jacob C., Anderson, Ind. Fluid-pressure regulator. 1,588,411; June 15.
Groeneveld, Govert C., Hanford, Calif. Grease cup. 1,589,147; June 15.
Gross, George H., Topeka, Kans. Cigarette container. 1,588,677; June 15.
Grunwald, George, Bronx, N. Y. Portable folding chair. 1,588,575; June 15.
Gstalder, Paul A., Pittsburgh, Pa. Vehicle mud-guard protector. 1,588,678; June 15.
Gupta, Sailendra N., San Francisco, Calif. Indigo dye-stuff. 1,588,960; June 15.
Hagen, George E., Halifax, Nova Scotia, Canada. Valve 1,588,794; June 15.
Hagenbook, Thurbe M. (See Cutsinger, E. J., and Hagenbook.)
Haggart, John C., jr., Alma, assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich. Brake for motor vehicles. 1,588,723; June 15.
Hähnle, Walter, Degerloch, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric signaling system. 1,589,071; June 15.
Haines, Samuel R., et al. (See Malloy, James T., assignor.)
Hale, Edwin W., Cleveland, Ohio, and C. G. Fink, New York, N. Y., assignors of one-half to The Dorr Company, New York, N. Y. Ore-treating process. 1,588,679; June 15.
Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism. 1,589,148; June 15.
Haltom, Guy T. (See Ingram, H. L., and Haltom.)
Hamacheck, Julius E., assignor to Metal Ware Corporation, Two Rivers, Wis. Humidifying and air-purifying apparatus. 1,589,072; June 15.
Hancock, Raymond F., Marion, Ind., assignor of one-half to J. Boyce, Laketon, Mich., and one-half to H. F. Anderson, Marion, Ind. Making glass letter plates. 1,588,680; June 15.
Haney, Edwin H., Yakima, Wash. Combined automatic hayrake and hay baler. 1,588,681; June 15.
Hanke, Paul, Bound Brook, N. J. Upper plate of a set of artificial teeth. 1,589,173; June 15.
Hankey, John H., assignor to The W. H. Reisner Mfg. Company, Hagerstown, Md. Electromagnetic control device. 1,588,412; June 15.
Hanle, Frank L., Kearny, N. J. Closure-locking device. 1,589,149; June 15.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Automatic air and water connection for water tubes. 1,589,150; June 15.
Hansen, Charles C., Forest Park, assignor to Refrigerating Specialties Co., Chicago, Ill. Fluid-pressure-operated valve. 1,589,288; June 15.
Hanson, Bennie P., Cedar Falls, assignor to E. L. Moore, Waterloo, Iowa. Motor-vehicle bumper. 1,588,961; June 15.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,588,453; June 15.
Hardy, Henry A., Topeka, Kans. Ice-cream dipper. 1,588,413; June 15.
Harkless, Merl J. (See Fisher, R. B., and Harkless.)
Harkness, Orris A., Bangor, assignor to Great Northern Paper Company, Millinocket, Me. Grouser. 1,588,549; June 15.
Harlan, Luther M., Warren, Ark. Insect destroyer. 1,589,151; June 15.
Harley, Lee M. (See Wade, H. R., and Harley.)
Harper Electric Furnace Corporation. (See Kelleher, James, assignor.)
Harralson, Charles L., Casper, Wyo. Drill bit. 1,589,152; June 15.
Harris, Arthur J., Paterson, N. J. Loom. 1,589,073; June 15.
Harris, Harry, Richmond, Va. Stitch remover. 1,589,153; June 15.
Harris, Harry, Richmond, Va. Shoe-repair stand. 1,589,154; June 15.
Harris, John S., Hopewell Junction, N. Y. Support for gambrels and the like. 1,588,454; June 15.
Harris, Laura F., Kansas City, Mo. Clothes bag. 1,589,155; June 15.
Harris, William W., Newport, N. J. Waterproof receptacle. 1,589,074; June 15.
Harrison, Harvey N., Washta, Iowa. Farm wagon. 1,588,414; June 15.
Harrison, Henry A., Jamestown, N. Dak. Steel square. 1,588,962; June 15.
Hart, Russell, Los Angeles, Calif. Photographic means for recording sound. 1,588,884; June 15.
Hart, Russell, Los Angeles, Calif. Combustion-pressure apparatus. 1,588,885; June 15.
Hart, Russell, Los Angeles, Calif. Photo-electric apparatus. 1,588,886; June 15.
Harter, Clarence J., Shrewsbury, Mass. Gear-testing apparatus. 1,588,963; June 15.
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Production and transmission of modulated waves. 1,588,415; June 15.
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex telegraphy. 1,588,416; June 15.
Hartman, John C., assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum cutter. 1,589,156; June 15.
Hasenstein, Karl, assignor to The Viscoloid Company, Inc., Leominster, Mass. Rattle. 1,589,075; June 15.

Haskins, William J., Hartford, Conn. Clothespin. 1,589,076; June 15.
Hatch, Charles T., jr., assignor, by mesne assignments, to Union Steel Products Company, Albion, Mich. Rack. 1,589,157; June 15.
Hathaway, John W., Fort Humphreys, Va. Razor-blade wiper. 1,588,417; June 15.
Hattoy, George, Woonsocket, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined thread cutter and clamp. 1,588,724; June 15.
Hauvette-Michelin, Jules, New Brunswick, N. J. Tire flap. 1,589,301; June 15.
Haubroe, Werner C. L., Copenhagen, Denmark. Machine gun with exchangeable barrel. 1,588,887; June 15.
Haubroe, Werner C. L., Copenhagen, Denmark. Drum-shaped cartridge magazine for machine guns or the like. 1,588,888; June 15.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Rivet-slotting machine. 1,588,576; June 15.
Healey, Elmer E. (See Pavelik, Frank, assignor.)
Heath, Spencer, Elkridge, Md., Variable-pitch propeller. 1,589,174; June 15.
Hedison, Harry, Providence, R. I. Stocking ornament. 1,589,158; June 15.
Heifer, Isidore, Brooklyn, N. Y. Container and dispensing device for tapelike bodies. 1,588,577; June 15.
Heinicke, Herbert M. E., Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sealing material. 1,588,725; June 15.
Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Dial for indicating devices. 1,588,418; June 15.
Heltschmidt, Otto. (See Knifong, S. S., Matthews, Heltschmidt, Wood, and Loftus.)
Hejma, Václav, Brno, Czechoslovakia. Digging machine. 1,589,289; June 15.
Hem, Halvor W., assignor to Toledo Scale Company, Toledo, Ohio. Pivot retainer. 1,588,455; June 15.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,588,456; June 15.
Henderson, James B., Lee, England. Sight for guns, bomb droppers, and the like for use on ships and other moving platforms. 1,588,682; June 15.
Henderson, John J., et al. (See Malloy, James T., assignor.)
Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,588,726; June 15.
Henriot, Floyd F., near Winlock, Wash. Automatic control for carburetors. 1,588,727; June 15.
Henriquez, George A., New York, and A. Diaz, Brooklyn, N. Y. Selector mechanism for typewriters. 1,589,159; June 15.
Henry, Andrew L., and G. S. Moore, assignors to Trolley Shoe Wheel Company, Indianapolis, Ind. Trolley. 1,589,160; June 15.
Hensger, Fred A. (See Lensky, M. J., and Hensger.)
Herscovitch, Adolph, Montreal, Quebec, Canada. Making artificial stone. 1,588,728; June 15.
Hersey, Arthur J., Minneapolis, Minn. Vehicle suspension. 1,588,578; June 15.
Hess, Benjamin R., Buffalo, N. Y. Match container. 1,588,729; June 15.
Hessel, Isidor, Brooklyn, N. Y. Resonator device for violins. 1,588,730; June 15.
Heuser, Ralph V., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing cyanogen chloride. 1,588,731; June 15.
Hewitt, Harry, asignor to The British Arkady Company Limited, Manchester, England. Manufacture of bread. 1,589,311; June 15.
Hickey, Thomas F., Stillwater, N. Y. Moving and turning attachment for portable platform scales. 1,588,419; June 15.
Hill, John T., Lakewood, Ohio. Game apparatus. 1,589,312; June 15.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Thermal cut-out. 1,589,161; June 15.
Hills, Burton U., Chicago, Ill. Oil-level gauge. 1,588,889; June 15.
Hillyer, James S., Duluth, Minn. Boiler. 1,589,162; June 15.
Hindshaw Engineering and Development Company. (See Hindshaw, Henry H., assignor.)
Hindshaw, Henry H., assignor to Hindshaw Engineering and Development Company, Minneapolis, Minn. Utilizing low-grade iron-ore material. 1,588,420; June 15.
Hinkle, Arthur R., Hillsdale, Mich. Screen and ventilator. 1,589,163; June 15.
Hitchcock, Ralph, Pittsfield, Mass., assignor to General Electric Company. Socket for incandescent lamps. 1,589,164; June 15.
Hoberg, Frank H., Green Bay, Wis. Doctor plate. 1,588,732; June 15.
Hoberg, Frank H., Green Bay, Wis. Paper package. 1,588,733; June 15.
Hodges Carpet Company. (See Ashmead, R., and Hodges, assignors.)
Hodges, Karl R. (See Ashmead, R., and Hodges.)
Hodgson, Albert S., Farnborough, England. Carburetor. 1,589,175; June 15.

Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,589,165; June 15.
Hoe, R., & Co. (See Halliwell, John J., assignor.)
Hoe, R., and Co. Inc. (See Sheldon, Edward P., assignor.)
Hogan, Edward L., Detroit, Mich., and G. S. Witham, jr., Hudson Falls, N. Y., assignors to American Blower Company, Detroit, Mich. Apparatus for recovering heat from vapor, gases, and the like 1,588,833; June 15.
Hogan, Edward L., Detroit, Mich., and G. S. Witham, jr., Hudson Falls, N. Y., assignors to American Blower Company, Detroit, Mich. Drying and ventilating method and apparatus for material drying plants. 1,588,834; June 15
Holland Furnace Company. (See Kolla, John P., assignor.)
Holland Furnace Company. (See Nystrom, Oscar P., assignor.)
Holland, Walter C., Clifton, W. Va. Automobile protector. 1,588,421; June 15.
Hollander, Alndar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Packing-gland mechanism. 1,588,734; June 15.
Holmboe, Carl F., Ris, Vestre Aker, Norway, assignor of one-half to De Nordiske Fabriker De-No-Fa, Oslo, Norway. Electrode for electrolytic decomposition apparatus. 1,588,579; June 15.
Holmes, Fred E. (See Dailey, John B., assignor.)
Holt, Edward, Co. (See Holt, Edward E., assignor.)
Holt, Edward E., assignor to Edward Holt Co., Chicago, Ill. Tire valve and the like. 1,588,457; June 15.
Holzhalb, Theodore, Brooklyn, N. Y., assignor to The Segar Studios Inc. Lighting-fixture body or analogous article. Des. 70,367; June 15.
Honer, Adolph J. (See Honer, Henry, assignor.)
Honer, Henry, assignor of one-half to A. J. Honer, Belleville, Ill. Gas stove. 1,589,166; June 15.
Hooper, Harry S., San Francisco, Calif., assignor of one-fourth to A. L. Humboldt. Fruit-pickers' receptacle. 1,589,077; June 15.
Hoops, Henry G., assignor to The Morgan Manufacturing Company, Fort Morgan, Colo. Shoe-polishing machine. 1,588,735; June 15.
Hooven & Allison Company, The. (See Swan, Elwood H., assignor.)
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,589,167; June 15.
Hornaday, Thomas F., Chicago, Ill., and G. E. Kittelberger, Shelby, Ohio, assignors to The Autocall Company, Shelby, Ohio. Supervisory alarm system. 1,588,835; June 15.
Hornquist, Frank, Mount Jewett, Pa. Automobile bumper. 1,588,736; June 15.
Horvath, Louis, New York, N. Y. Safety attachment for gas stoves. 1,588,890; June 15.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
Houdini, Harry, New York, N. Y. Figure toy. Des. 70,368; June 15.
Howell, George M., Northumberland, Pa. Automatic control for motor vehicles. 1,588,422; June 15.
Howle, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Yarn-furnishing means for knitting machines. 1,589,313; June 15.
Hubbard, Arthur O., deceased, by N. H. Hubbard, executrix, assignor to Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Wagon. 1,589,168; June 15.
Hubbard, Nellie H., executrix. (See Hubbard, Arthur O.)
Hubbard, William, assignor to W. Hubbard and F. A. Ray, Herkimer, N. Y. Attachment for dicing-out machines. 1,589,176; June 15.
Hubbard, William, et al. (See Hubbard, William, assignor.)
Hübert, Emil. (See Leuchs, O., and Hübert.)
Huddleston, Julian, Los Angeles, Calif. Built-in furniture unit. 1,589,006; June 15.
Hug, Oscar A., Brooklyn, N. Y. Illuminator. 1,588,891; June 15.
Hughes, Henry L., Co. (See Goldman, Ralph H., assignor.)
Hugues, Louis J., Topeka, Kans. Steering-column lock. 1,589,169; June 15.
Humboldt, A. L. (See Hooper, Harry S., assignor.)
Humiston, George and W., Reedsport, Oreg. Motor-operated drag saw. 1,588,892; June 15.
Humiston, William. (See Humiston, George and W.)
Huntley, Ernest R., Los Angeles, Calif., assignor to Industrial Research Corporation, Toledo, Ohio. Engine starter. 1,588,423; June 15.
Hurd, George, San Francisco, Calif. Pipe cleaner. 1,588,737; June 15.
Hutchins, John B., Atlanta, Ga. Combined label and prescription blank. 1,588,964; June 15.
Hutchison, Frank C., Minneapolis, Minn. Variometer for wireless receiving sets. 1,588,580; June 15.
Iceoln Corporation. (See Geiger, C. F., and Geiler, assignors.)
Indianapolis Manufacturing Company. (See Nordyke, Horace W., assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See Mock, John F., assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Ingersoll-Rand Company. (See Sturrock, James, assignor.)
Ingram, Henry L., Dallas, and G. T. Haltom, Port Arthur, Tex. Electric metering system. 1,588,581; June 15.
Inland Engineering Company. (See Ronbeck, Claude, assignor.)
Inman, Harry A. and W. H., assignors to Bloomer Bros. Company, Newark, N. Y. Paper-box machine. 1,589,078; June 15.
Inman, William H. (See Inman, Harry A. and W. H.)
Insley Manufacturing Company. (See Rasmussen, Alvin C., assignor.)
Insley Manufacturing Company. (See Schmid, Carl G., assignor.)
Insley Manufacturing Company. (See Schmid, C. G., and Rasmussen, assignors.)
International Motor Company. (See Josephs, Lyman C., jr.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Masury, A. F., and Leipert, assignors.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
Iowa State College of Agriculture and Mechanic Arts. (See Marston, Anson, assignor.)
Irving Iron Works Company. (See Price, Paul L., assignor.)
Isler, Max, and L. von Mechel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs containing cromium and making same. 1,588,458; June 15.
Jablow, Charles, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cross equalizer. 1,588,582; June 15.
Jackson, Byron, Pump Mfg. Co. (See Hollander, Aladar, assignor.)
Jacovitz, Harry, New York, N. Y. Cutter attachment for sewing-machines. 1,589,314; June 15.
Jager, Charles J., Company. (See Rogers, Charles O., assignor.)
James, Joseph H., Pittsburgh, Pa., assignor to C. P. Byrnes, trustee, Sewickley, Pa. Partially oxidizing gaseous hydrocarbons. 1,588,836; June 15.
Japolsky, Nicolas. (See Kostenko, M., and Japolsky.)
Jauch, Karl. (See Strautman, H., and Jauch.)
Jaworek, Engelbert L., Hoquiam, Wash. Headlight-dimmer attachment. 1,588,738; June 15.
Jencick, Stephen, Chagrin Falls, Ohio. Flexible coupling. 1,588,424; June 15.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Reciprocatory hammer tool. 1,589,295; June 15.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Making a contact transfer printing surface by complementary light. 1,588,425; June 15.
Johnson, Carl J. E., Kane, Pa. Manufacturing window glass. 1,588,583; June 15.
Johnson, Charles E., Muskegon, Mich. Automatic piston-ring-grinding machine. 1,588,739; June 15.
Johnson, Christian C. (See Stanzel, L., and Johnson.)
Johnson, Cornelius E., Grand Rapids, Mich. Loose-leaf binder. 1,589,170; June 15.
Johnson, Harry A., assignor to Charles Abresch Company, Milwaukee, Wis. Adjustable body for automobiles. 1,588,740; June 15.
Johnson, John E., and C. H. Oslund, assignors to The O & J Machine Company, Worcester, Mass. Cooling and mixing machine. 1,589,079; June 15.
Johnson, Robert C., assignor to Cube Teapots Limited, Leicester, England. Cup. Des. 70,369; June 15.
Johnson, Stephens & Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
Johnston, John W., Rochester, N. Y. Belt. 1,589,315; June 15.
Jones, Alev E., Cuyahoga Falls, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 70,370; June 15.
Jones, Forrest R., Knoxville, Tenn. Road machine. 1,588,837; June 15.
Jones, Forrest R., Knoxville, Tenn. Cut-off for gravel bins and chutes. 1,588,838; June 15.
Jones, John P., Charleston, W. Va. Window-lifting device. 1,588,741; June 15.
Jones, Maurice F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,588,586; June 15.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Brake mechanism. 1,588,683; June 15.
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Control device for sanders. 1,588,965; June 15.
Kabat, Joseph, Gloversville, N. Y. Baseball glove. 1,588,426; June 15.
Kahle, Max, Chicago, Ill. Adjustable clamp. 1,588,742; June 15.
Kaiser, William O., Oakland, Calif. Lock for valves. 1,589,316; June 15.
Kane, Jesse C., Easton, assignor to Chipman Knitting Mills, Easton, Pa. Knitting machine. 1,589,290; June 15.
Karlson, Henry C., Hasbrouck Heights, N. J., assignor to V. Vivaudou, Inc., New York, N. Y. Vanity case. 1,589,317; June 15.
Karlson, Henry C., Hasbrouck Heights, N. J., assignor to V. Vivaudou, Inc., New York, N. Y. Powder dispenser. 1,589,318; June 15.
Karr, Francis, Holland, Mich. Cushion spring. 1,588,743; June 15.
Karrollus, Edmund, Vienna, Austria. Safety device for explosive cartridges. 1,588,427; June 15.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Diagonal strut for locomotives. 1,588,584; June 15.
Kasten, Fred E., et al. (See Yates, C. E., and Kasten.)
Keall, Frank B. (See Gouldbourn, J., and Keall.)
Keane, James K., Los Angeles, Calif. Hand-power saw. 1,588,744; June 15.
Kear, Allen T., and A. A. Fulwider, Goodland, Kans. Snowplow. 1,588,745; June 15.
Kearns, John, and E. G. Webber, assignors of one-half to Lee Tire & Rubber Company, Conshohocken, Pa. Apparatus for building pneumatic core tires. 1,588,585; June 15.
Keesling, Russell R., San Jose, Calif. Collapsible bed. 1,589,296; June 15.
Kelleher, James, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation. Making carborundum structures. 1,588,473; June 15.
Keller, Joseph F., New York, and A. B. Bachmann, assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Flexible shaft handpiece. 1,588,839; June 15.
Keller Mechanical Engineering Corporation. (See Keller, J. F., and Bachmann, assignors.)
Keller Mechanical Engineering Corporation. (See Shaw, John C., assignor.)
Kelly-Springfield Tire Company. (See Graybill, T., and Waters, assignors.)
Kelly-Springfield Tire Company. (See Marshall, Thomas C., assignor.)
Kendall, Donald S., assignor to Mack Molding Company, Inc., Little Falls, N. J. Composite spool and like article and producing them. 1,589,177; June 15.
Kent, Arthur A., Ardmore, Pa. Condenser. 1,588,474; June 15.
Kenyon, James W., San Francisco, Calif. Faucet. 1,589,178; June 15.
Kiely, James, Winslow, Ariz. Journal-box-hub liner. 1,589,179; June 15.
Kile, Francis M. (See Trahan, P. O., and Kile.)
Kilgour, Walter M. S., Lexington, Mass. Circuit breaker. 1,588,459; June 15.
Kimmerle, Daniel S. (See Kimmerle, Larned T. and D. S.)
Kimmerle, Larned T. and D. S., San Francisco, Calif. Portable hydraulic jack. 1,588,966; June 15.
King, Frederick C., Uxbridge, England. Machine for washing sheets of paper. 1,589,007; June 15.
King, Percival F., New Haven, Conn. Plier wrench. 1,588,475; June 15.
King, Victor J., Cedarview, assignor of one-half to D. P. Whitmore, Roosevelt, Utah. Air compressor and vacuum water pump. 1,588,840; June 15.
Kingston, Raymond L., Detroit, Mich. Flexible connecter. 1,588,477; June 15.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium oxide compound and making same. 1,588,476; June 15.
Kirby, James B., West Richfield, and H. S. Scott, Cleveland, Ohio; said Scott assignor to said Kirby. Radio-condenser. 1,589,008; June 15.
Kirsch, Charles W., Sturgis, Mich. Curtain rod or similar article. Des. 70,371; June 15.
Kittelberger, Gustavus E. (See Hornaday, T. F., and Kittelberger.)
Kittelsen, Erling, assignor to the Firm of Lloyd Propulsion Ltd., Eldsvold Verk, Eldsvold. (Akersbus), Norway. Balance rudder. 1,589,334; June 15.
Klaus, Charles B., Seattle, Wash. Heating apparatus. 1,588,587; June 15.
Kleyn, Teunis P., Muskegon, Mich. Washing machine. 1,588,588; June 15.
Kluegel, Ernest, St. Paul, Minn. Heating system. 1,588,746; June 15.
Knapp, Ernest A., Toledo, Ohio. Composition for concrete blocks and using the same. 1,588,841; June 15.
Knifong, Sidney S., R. L. Matthews, O. Heitschmidt, A. J. Wood, and M. Loftus, Yakima, Wash. Switch-stand lock. 1,588,747; June 15.
Knobloch, Bruno, Apolda, Germany. Knocking over bit of warp machines and hosiery machines and the like. 1,588,589; June 15.
Knoop, Arnold F., Peotone, Ill. Radioswitch. 1,589,180; June 15.
Knox, Garner L., Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company. Multiple-wheel trailer. 1,588,842; June 15.
Kny-Scheerer Corporation, The. (See Dennis, Hugh, assignor.)
Koch, Henry C., Chicago, Ill. Apparatus for and method of impregnating felt. 1,588,748; June 15.

Kolla, John P., assignor to Holland Furnace Company, Holland, Mich. Furnace humidifier. 1,588,460; June 15.
Kostenko, Michael, and N. Japolsky, London, England. Alternating-current commutator machine. 1,588,749; June 15.
Kramer, Joseph J., New York, N. Y. Safety pin. 1,588,967; June 15.
Krantz, Hubert K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,588,893; June 15.
Kriebel, Hosea K., Philadelphia, Pa. Automatic air valve. 1,589,009; June 15.
Kronquest, Alfred L. (See Fink, H. A., and Kronquest.)
Kruger, Charles R., Spokane, Wash. Vehicle headlight. 1,588,591; June 15.
Kugler, Benjamin, Chicago, Ill. Harness anchorage for metal windows. 1,588,590; June 15.
Kugler, Benjamin, Chicago, Ill. Harness fitting and anchorage. 1,588,592; June 15.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,588,894; June 15.
Kurtz, Cyrus B., Cleveland, Ohio. Transmission-control mechanism. 1,588,750; June 15.
Kyle, Ernest P., near Eldorado, Ohio. Valve mechanism. 1,589,080; June 15.
La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Envelope machine. 1,588,844; June 15.
Labombarde, Harold S., Nashua, N. H. Machine for feeding blanks. 1,588,843; June 15.
Ladue, Ralph E., Brooklyn, assignor to J. David, New York, N. Y. Tee holder for trousers. 1,588,461; June 15.
Lallemand, Ferdinand, Marseille, France. Movable deflector for fluid streams. 1,589,010; June 15.
Lambert Tire & Rubber Co. (See Jones, Aley E., assignor.)
Lamblin, Alexandre, Paris, France. Radiator. 1,588,845; June 15.
Landon, Miles S., Angola, N. Y. Price tag. 1,588,751; June 15.
Lane Frederick W., and F. Ramm, Pittsfield, Me. Let-off for looms. 1,589,181; June 15.
Lang, Frank Philadelphia, Pa. Valve. 1,588,752; June 15.
Lang, Niels, Cleveland, Ohio. Reflector. Des. 70,372; June 15.
Langer, Hans, Berlin-Charlottenburg, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Pharmaceutical product. 1,588,753; June 15.
Langworthy, Lyman B., Chicago, Ill. Sheet pile. 1,588,754; June 15.
Langworthy, Lyman B., Chicago, Ill. Sheet piling. 1,589,011; June 15.
Lard, Allan E., Washington, D. C. Shaft for golf clubs and the like. 1,589,297; June 15.
Lathrop, Elbert C. (See Bassett, H. P., and Lathrop.)
Laughlin, Robert, Buffalo, assignor to Commercial Electrolytic Corporation, New York, N. Y. Internal-combustion engine. 1,588,755; June 15.
Lawson, Victor R., Roslindale, and J. J. Batterman, Dedham; said Batterman assignor to J. J. Daly, Newton, Mass. Machine for loading rubber-heel blanks with washers. 1,588,593; June 15.
Lawson, Victor R., Roslindale, and J. J. Batterman, Dedham; said Batterman assignor to J. J. Daly, Newton, Mass. Machine for loading rubber-heel blanks with washers. 1,588,594; June 15.
Layton, Adlaska E., assignor of one-half to T. F. Corwin, Columbus, Ohio. Container for pulverized materials. 1,589,012; June 15.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Desk circuit controller. 1,589,319; June 15.
Lebreton, Anna, and E. Talbot, Seattle, Wash. Railway-crossing gate. 1,588,895; June 15.
Lee, Harry S., Plymouth, Mich. Core centralizer for permanent molds. 1,588,596; June 15.
Lee, Harry S., Plymouth, Mich. Annealing metal. 1,589,013; June 15.
Lee, Harry S., Plymouth, Mich. Permanent mold. 1,589,014; June 15.
Lee, Ralph W., assignor to Lelin Manufacturing Company, Portland, Oreg. Puller. 1,589,015; June 15.
Lee Tire & Rubber Company. (See Kearns, J., and Webber, assignors.)
Leet, Lynn T., Montreal, Quebec, Canada, assignor, by mesne asignments to Tulip Cup Corporation, New York, N. Y. Vending machine. 1,588,597; June 15.
Le Gris, Horace, New York, N. Y. Moistener for cigars and tobacco. 1,588,595; June 15.
Leigh, Charles C., Philadelphia, Pa. Air brush or spraying device. 1,588,756; June 15.
Leipert, August H. (See Masury, A. F., and Leipert.)
Leipert, August H., assignor to International Motor Company, New York, N. Y. Non-metallic connection for radius rods. 1,588,968; June 15.
Lelin Manufacturing Company. (See Lee, Ralph W., assignor.)
Lemmer, Andrew J., Rollingstone, Minn. Sawing outfit. 1,588,969; June 15.
Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Self-propelled vehicle. 1,589,182; June 15.
Lensky, Morris J., and F. A. Hensger; said Hensger assignor to C. R. Taylor, Cleveland, Ohio. Combination lock. 1,588,896; June 15.
Leonard, John G., Maywood, Ill. Friction metal. 1,588,757; June 15.
Lerch, Marshel F., assignor to Lerch, Shumate Bolt Company, Louisville, Ky. Nut lock. 1,588,478; June 15.
Lerch, Shumate Bolt Company. (See Lerch, Marshel F., assignor.)
Leslie, William H., Toronto, Ontario, Canada. Combined radio loud speaker and lamp. Des. 70,373; June 15.
Leuchs, Otto, and E. Hübert, Elberfeld, assignors to Farbenfabriken vorm, Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Apparatus for use in the working up of spinning solutions. 1,588,758; June 15.
Lennis, William, New York, N. Y. Hair-waving device. 1,589,183; June 15.
Levitan, Nathan A., Brooklyn, assignor to J. J. Braze Co., New York, N. Y. Bridge-lamp arm. Des. 70,374; June 15.
Levitan, Nathan A., Brooklyn, assignor to J. J. Braze Co., New York, N. Y. Bridge-lamp arm. Des. 70,375; June 15.
Levy, Samuel, Paterson, N. J. Pocket-cloth-measuring machine. 1,589,184; June 15.
Lewis, Franklin C., New York, N. Y. Folding table. 1,588,759; June 15.
Lewis, Franklin C., New York, N. Y. Folding table. 1,588,760; June 15.
Lincoln, John C., East Cleveland, Ohio. Electric-arc welding. 1,589,017; June 15.
Liedabrand, Samuel E., Springfield, Ill. Draft mechanism for trailers. 1,589,016; June 15.
Lighthipe, Kenneth D., East Orange, N. J., assignor to Elevator Supplies Company, Inc. Casing for an elevator signal. Des. 70,376; June 15.
Lighthipe, Kenneth D., East Orange, N. J., assignor to Elevator Supplies Company, Inc. Casing for an elevator signal. Des. 70,377; June 15.
Ligot, Albert J., Verneil le Fourrier, assignor to Société des Plaques et Poudres à Souder, Paris, France. Making a brazing stick. 1,588,761; June 15.
Lindsay, Lycurgus, Los Angeles, Calif. Dust preventer for moving vehicles. 1,588,598; June 15.
Lion Collars & Shirts, Inc. (See Dormandy, Garry J., assignor.)
Lithgow, Richard W., New York, N. Y. Headdress. 1,589,185; June 15.
Livesay, Everett G., Huntington, W. Va. Wheel puller. 1,589,186; June 15.
Livesay, Everett G., Huntington, W. Va. Gear puller. 1,589,187; June 15.
Livzey, John L., Middleton, Ohio. Rug-rack holder. 1,588,762; June 15.
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Locomotive comprising two cars. 1,588,970; June 15.
Lloyd Propulsion Ltd., Eidsvold Verk. (See Kittelsen, Erling, assignor.)
Loftus, Mike. (See Knifong, S. S., Matthews, Heitschmidt, Wood, and Loftus.)
Logan, James W., Newark, N. J., assignor to C. W. Youngman, New York, N. Y. Liquid-fuel burner. 1,588,763; June 15.
Long, David L., Oakland, Calif. Waterproof and fireproof paint. 1,589,188; June 15.
Loomis, Evarts G., Newark, assignor to The Okonite Company, Passaic, N. J. Circular loom. 1,589,189; June 15.
Lopez, Manuel F., Phoenix, Arix. Vegetable and fruit cutter. 1,588,479; June 15.
Lord, Hugh C., Erie, Pa. Resilient wheel. 1,588,480; June 15.
Lord, Hugh C., Erie, Pa. Resilient wheel. 1,588,481; June 15.
Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lubberger, Fritz, Berlin-Schmargendorf, assignor to Siemens & Halske Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Telephone system. 1,588,764; June 15.
Lucia, Louis V. (See Rudolph, W. H., and Lucia.)
Ludwig, Andrew, Rochester, N. Y. Illuminated star. 1,589,018; June 15.
Lukenbill, Heber D., and E. A. Crowl, Springfield, Ill. Combination adjustable hanger for window shades and curtains. 1,588,971; June 15.
Lupberger, Albert. (See Strautman, W. H., and Lupberger.)
Macallen Company, The. (See McCarthy, Louis, assignor.)
Machacek, George J., et al. (See Machacek, Mike, assignor.)
Machacek, Mike, assignor of one-fourth to O. Machacek, one-fourth to G. Machacek, and one-fourth to F. J. Melouneck, Northfield, Minn. Hydraulic feeding mechanism for mortising machines. 1,588,972; June 15.
Machacek, Oliver, et al. (See Machacek, Mike, assignor.)
Mack Molding Company. (See Kendall, Donald S., assignor.)

Madrigali, Olinto. (See Ragionieri, A., and Madrigali.)
Maehler, Arthur, Chicago, Ill. Drying and enameling oven. 1,588,973; June 15.
Maintenance Equipment Company, The. (See Overmier, Emmons, assignor.)
Makray, Paul, Chicago, Ill. Radiocabinet. Des. 70,378; June 15.
Malcom, Robert, Chicago, Ill. Goggles. 1,589,190; June 15.
Malecki, Frank T., Chicago, Ill. Equalizer flywheel. 1,588,795; June 15.
Malkin, Bernard A., Lachine, Quebec, Canada. Driving mechanism for paper-making machines. 1,588,796; June 15.
Mallett, Charles S., Toronto, Ontario, Canada, assignor to General Electric Company. Keyless socket. 1,589,298; June 15.
Malley, James T., Lowell, assignor of one-half to J. J. Henderson, Dracut, and one-half to S. R. Haines, Brookline, Mass. Winding device for looms. 1,589,191; June 15.
Manchester, Theodore C., Kent, Wash. Treating milk. 1,589,192; June 15.
Manning, Maxwell & Moore. (See Heise, Otto W., assignor.)
Manning, Russell T., Minneapolis, Minn. Cigar lighter. Des. 70,379; June 15.
Mannion, John. (See Mannion, M., and Arthur, assignors.)
Mannion, Martin, Perth Amboy, N. J., and R. C. Arthur, Tottenville, N. J., assignors of one-third to John Mannion, Perth Amboy, N. J. Adjustable plug for cleaning condenser tubes. Re16,362; June 15.
Mannion, Martin, Perth Amboy, N. J., and R. C. Arthur, Tottenville, N. Y. Plug for cleaning condenser tubes. 1,588,765; June 15.
Marlin-Rockwell Corporation. (See Rahn, Ernest H., assignor.)
Marshall, Charles O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,588,462; June 15.
Marshall, George A. et al. (See Merrifield, John R., assignor.)
Marshall, Thomas C., Mount Savage, assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 70,380; June 15.
Marston, Anson, assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Protecting conduits projecting into filled areas. 1,588,897; June 15.
Martin, Fred N., Spokane, Wash. Ice-cream dipper. 1,588,599; June 15.
Martin, James G. (See Regan, C. E., and Martin.)
Martocello, Joseph A., Philadelphia, Pa. Quick opening and closing check valve for aerating systems. 1,588,898; June 15.
Maschinenfabrik Augsburg-Nuernburg Aktiengesellschaft. (See Englert, Johann F., assignor.)
Massey, Herbert N., Berkeley, Calif. Game. 1,588,766; June 15.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Steering connection for motor vehicles. 1,588,974; June 15.
Mather, George L. (See Mead, G. J., and Mather.)
Mathews, John C., assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,588,975; June 15.
Mathews, Rose A., Topeka, Kans. Key-shifting device for typewriters. 1,589,193; June 15.
Mathieson Alkali Works, Inc., The. (See Brooks, Benjamin T., assignor.)
Matthews, Albert K., Chicago, Ill. Soap holder. Des. 70,381; June 15.
Matthews, Jas. H., & Company. (See Wade, H. R., and Harley, assignors.)
Matthews, Joseph M., assignor to Glorient, Inc., New York, N. Y. Dye composition. 1,588,482; June 15.
Matthews, Joseph M., assignor to Glorient, Inc., New York, N. Y. Dye composition. 1,588,483; June 15.
Matthews, Joseph M., assignor to Glorient, Inc., New York, N. Y. Soluble-dye composition. 1,588,484; June 15.
Matthews, Robert L. (See Knifong, S. S., Matthews, Heitschmidt, Wood, and Loftus.)
Maxwell, George S., Washington, D. C. Muzzle-loaded mortar. 1,589,194; June 15.
May, Roy. (See Cope, R. H., and May.)
May, Willie B., Bridgewater, Mass. Shoe and shoemaking. 1,589,195; June 15.
Mayorowitz, Maurice, New York, N. Y. Detachable heel for shoes. 1,588,684; June 15.
McBlain, James, London, England. Electrical apparatus for generating ozone. 1,588,976; June 15.
McCarroll, James F., Baton Rouge, La. Adjustable stop for levers on edgers. 1,589,197; June 15.
McCarthy, Charles S., assignor to American Swiss Magneto Company, Toledo, Ohio. Door latch. 1,588,899; June 15.
McCarthy, Gilbert J. (See Ohlson, Olof, assignor.)
McCarthy, Louis, assignor to The Macallen Company, Boston, Mass. Manufacture of composite sheet brica and the like. 1,588,600; June 15.
McCarty, James, Osage, Iowa. Garden implement attachment. 1,589,196; June 15.
McComb, Lawrence S., Huntington, Ind. Display rack. 1,589,198; June 15.
McConnell, Burt M., New York, N. Y. Theater-seat light. 1,589,320; June 15.
McConnell, Burt M., and W. Friend, assignors of two-thirds to said McConnell and one-third to M. T. Fisher, New York, N. Y. Theater-seat light. 1,589,321; June 15.
McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
McCraw, Edward, North Adams, Mass. Picker stick. 1,588,601; June 15.
McDonald, Hunter, Nashville, Tenn. Expansion shim for rail joints. 1,588,485; June 15.
McDowell Manufacturing Company. (See Zabel, Charles, assignor.)
McGeary, Lacie A., assignor of one-half to I. S. Morgan, Parkersburg, W. Va. Nursing nipple. 1,588,846; June 15.
McGee, Howard H., New York, N. Y. Container closure. 1,588,847; June 15.
McGrath, Edward F., Worcester, Mass. Automobile brake-testing device. 1,588,767; June 15.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Flexible link for velocipedes and the like. 1,588,900; June 15.
McKinstry, John T., Seattle, Wash. Dispensing and display box. 1,588,848; June 15.
McNeal, J. H., et al. (See Fisk, Clark F., assignor.)
McNeil, John M., St. Joseph, Mo. Grave marker. 1,589,199; June 15.
McPhail, John C., South Weymouth, assignor to F. H. Thayer, Boston, Mass. Automatic stop and brake mechanism for sound-reproducing machines. 1,588,977; June 15.
McPhail, John C., South Weymouth, assignor to F. H. Thayer, Boston, Mass. Automatic stop device for sound-reproducing apparatus. 1,588,978; June 15.
Mead, George J., and G. L. Mather, Milwaukee, Wis., assignors, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Heater. 1,588,979; June 15.
Meade, Glen G., assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill. Spring-retracted switch. 1,589,200; June 15.
Meier, Charles F., White Haven, assignor to Wilmot Engineering Company, Hazleton, Pa. Drive chain. 1,589,201; June 15.
Meis, Henry K., Corpus Christi, Tex. Door catch. 1,589,202; June 15.
Mell, Tod J., Akron, Ohio. Manufacturing rubber sheets. 1,588,797; June 15.
Melouneck, Frank J., et al. (See Machacek, Mike, assignor.)
Merrell, Oliver E., assignor to Merrell-Soule Company, Syracuse, N. Y. Mixer. 1,588,901; June 15.
Merrell-Soule Company. (See Merrell, Oliver E., assignor.)
Merrifield, John R., assignor of twenty-four and one-half hundredths to G. A. Marshall and twenty-four and one-half hundredths to W. A. Wilson, Oakland, Calif. Freight stacker. 1,589,203; June 15.
Merrill, Maurice C. (See Currier, C. N., and Merrill.)
Mersereau, Dudley S., et al. (See Ralsor, Jacob, assignor.)
Metal Ware Corporation. (See Hamacheck, Julius E., assignor.)
Metzger, Joseph, Bluff, New Zealand. Umbrella. 1,589,299; June 15.
Meunier, Armand, Zealandia, Saskatchewan, Canada. Posthole borer. 1,589,300; June 15.
Middelboe, Kristian, Frederiksberg, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Grinding mill. 1,589,302; June 15.
Middlesworth, Leonard V., St. Louis, Mo. Metal joint. 1,589,205; June 15.
Midgley, Albert H., Uxbridge, assignor to Midgley Car Lighting Company, Limited, London, England. Power-transmission mechanism. 1,588,602; June 15.
Midgley Car Lighting Company. (See Midgley, Albert H., assignor.)
Mikaelson, Erik W., Easton, Pa., assignor to Treadwell Engineering Company. Manipulator. 1,588,486; June 15.
Miller, Frank B., Kansas City, Mo., and H. S., Baltimore, Md. Folding bed for motor vehicle. 1,588,463; June 15.
Miller & Goldsmith. (See Goldsmith, Elmer P., assignor.)
Miller, Guy H., Cambridge, assignor of one-half to H. C. Diamond, Arlington Heights, Mass. Wrench. 1,589,206; June 15.
Miller, Hiram S. (See Miller, Frank B. and H. S.)
Miller, John E., Huntington, W. Va. Linoleum rack. 1,589,207; June 15.
Miller, Lewis H., Lakewood, and M. W. Severance, assignors of one-third to A. H. Voigt, Cleveland, Ohio. Variable condenser. 1,589,204; June 15.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Sponge rubber sheet. 1,588,487; June 15.
Miller, William B., Cumberland, Md. Crossing gate and highway signal. 1,588,849; June 15.
Miner, W. H., Inc. (See Dorey, George B., assignor.)
Mitchell, Arthur R., Chicago, Ill. Utensil guard. 1,588,980; June 15.
Mitchell, Evert, Lawrence, Kans. Meat tenderer. 1,589,208; June 15.

Mitchell, Robert G. (See Norton, Clarence E., assignor).
Mitchell, William A. (See Vergan, William E., assignor.)
Mock, Frank C., assignor to Stromberg Motor Devices Company, Chicago, Ill. Intake manifold. 1,588,488; June 15.
Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-tube connection. 1,589,209; June 15.
Moore, Edward L. (See Hanson, Bennie P., assignor.)
Moore, Giles S. (See Henry, A. L., and Moore.)
Moore, William, Seattle, Wash. Bather's life-saving buoy. 1,588,798; June 15.
Morgan, I. S. (See McGeary, Lacie A., assignor.)
Morgan Manufacturing Company, The. (See Hoops, Henry G., assignor.)
Morgan & Wright. (See Thacher, Sheldon P., assignor.)
Morley, William A. (See Woodford, John W., assignor.)
Morris, Frederick, London, assignor to The English Electric Company, Limited, London, England. Electric controller. 1,588,981; June 15.
Mosler, Arthur R., New York, N. Y. Spark plug. 1,588,489; June 15.
Motor Wheel Corporation. (See Forsyth, George H., assignor.)
Motor Wheel Corporation. (See Putnam, Alden L., assignor.)
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Producing ophthalmic lenses. 1,588,768; June 15.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,588,603; June 15.
Munch, Walter, assignor to Syphonix Refrigerator Company, Superior, Wis. Refrigerated show case. 1,589,322; June 15.
Munning, A. P. & Co. (See Backus, Clarence G., assignor.)
Murray, Richard, New York, N. Y. Pivot-window closure device. 1,588,490; June 15.
Murray, Thomas E. (See Oesterreicher, Sandor I., assignor.)
Murray, Thomas E., Brooklyn, N. Y. Shaft. 1,588,850; June 15.
Murray, Wallace J., Boston, Mass., assignor, by mesne assignments, to The Todd Company, Inc., Rochester, N. Y. Protecting documents. 1,589,210; June 15.
Mutagraph Company, The. (See Weiss, Samuel, assignor.)
National Carbon Company. (See Hendry, William F., assignor.)
National Carbon Company. (See Osean, Charles, assignor.)
National Carbon Company. (See Voorhees, Lee J., assignor.)
National Lace & Embroidery Company. (See Schmid, Werner, assignor.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Nederlandsche Technische Handel Maatschappij "Giro," (See Anschutz-Kaempfe, Hermann, assignor.)
Nelson, Edmund, executor. (See Scott, Allen E.)
Nelson Knitting Company. (See Shelain, Frank G., assignor.)
Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electromagnetic relay. 1,588,604; June 15.
Nelson, Nels P., Brooklyn, N. Y. Drive for tractor loaders. 1,588,851; June 15.
Nelson-Wiggen Piano Company. (See Wiggen, Peder, assignor.)
Neresheimer, Heinrich, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Vat coloring matter. 1,589,303; June 15.
New, A. L. (See Brant, Clyde C., assignor.)
Newth, Basil and O., Sydney, New South Wales, Australia. Electric battery for clocks. 1,589,211; June 15.
Newth, Octavia. (See Newth, Basil and O.)
Nilan, Thomas A., Hurricane, W. Va. Making mold-blown glass articles. 1,588,852; June 15.
Nilson, Gustaf A., Glencoe, Ill. Protective cover. 1,588,799; June 15.
Nordyke, Horace W., assignor to Indianapolis Manufacturing Company, Indianapolis, Ind. Storage-battery operator and process of manufacture. 1,589,212; June 15.
Norris, Almon E., Brookline, Mass. Conveying bridge structure. 1,588,853; June 15.
North American Lace Company. (See Daudy, Marc H., assignor.)
North British Rubber Company, The. (See Williams, William A., assignor.)
Norton, Clarence E., Guilford, Conn., assignor of one-half to R. G. Mitchell, Mount Vernon, N. Y. Shears. 1,588,982; June 15.
Novak, Joseph F., Cleveland, Ohio. Baker's oven. 1,588,983; June 15.
Nutting, William B., Gervais, Oreg. Safety ignition lock. 1,588,984; June 15.
Nya Nordiska Kullager Aktiebolaget. (See Seibull, Ernst, H. W., assignor.)
Nyberg, Morgan A., West Allis, Wis. Railway-track construction. 1,588,985; June 15.
Nygren, Harold, Chicago, Ill. Garment hanger. 1,589,213; June 15.
Nystrom, Oscar P., assignor to Holland Furnace Company, Holland, Mich. Humidifier attachment. 1,588,491; June 15.
O & J Machine Company. (See Johnson, J. E., and Oslund, assignors.)
Oden, John M., Brooklyn, N. Y. Coupling. 1,588,605; June 15.
Oden, John M., Brooklyn, N. Y. Making coupling sleeves. 1,588,606; June 15.
Oertge, Georg, and C. Schmitt, Worms, Germany. Trousers press. 1,588,902; June 15.
Oesterreicher, Sandor I., New York, assignor to T. E. Murray, Brooklyn, N. Y. Reactance. 1,589,214; June 15.
Ohio Match Company, The. (See Albers, Charles, assignor.)
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Ohlson, Olof, West Newton, Mass., assignor to G. J. McCarthy, Washington, D. C. Propeller. 1,588,986; June 15.
Okonite Company, The. (See Loomis, Evarts G., assignor.)
Oliver, George L., and J. H. France. La Grande, Oreg. Clothesline. 1,588,800; June 15.
O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,588,492; June 15.
Oppenheim, René, assignor to Societe Anonyme le Carbone, Levallois-Perret, France. Rendering a porous powder impermeable to liquids. 1,588,607; June 15.
Oppenheim, René, assignór to Societe Anonyme le Carbone, Levallois-Perret, France. Galvanic battery. 1,588,608; June 15.
Optische Anstalt D. P. Goerz Aktiengesellschaft in Goerzollee. (See Richter, Robert, assignor.)
Orange Bearing Company. (See Chrisholm, Charles W., assignor.)
Ordway, Charles D., Burlington, Vt. Apparatus for preserving perishable substances. 1,589,215; June 15.
Orriss, Herbert M., Montecito, Calif. Attachment for eyeglasses. 1,588,685; June 15.
Osean, Charles, Woodcliff, N. J., assignor to National Carbon Company, Inc. Flash light. 1,588,464; June 15.
Oslund, Charles H. (See Johnson, J. E., and Oslund.)
O'Toole, Edward, Gary, W. Va. Mining. 1,588,987; June 15.
Overmier, Emmons, assignor to The Maintenance Equipment Company, Chicago, Ill. Ballast-removing machine. 1,588,801; June 15.
Owen, Richard B., Washington, D. C. Insulator for battery plates. 1,588,802; June 15.
Owen, Richard B., Washington, D. C. Electric battery. 1,588,803; June 15.
Page, Henry B., Delhi, La. Movable, headlight. 1,589,216; June 15.
Palmbla, Edward S., Waukegan, Ill. Hydraulic clutch. 1,588,988; June 15.
Palmer, John V., Pittsburgh, Pa. Necktie. 1,588,609; June 15.
Parker, Charles B., Nashville, Tenn. Coffepot. 1,588,769; June 15.
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Match-box-stacking device. 1,588,903; June 15.
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Feed device for belt conveyors. 1,588,904; June 15.
Parr, George T., St. Paul, Minn. Fountain brush. 1,588,465; June 15.
Parrish, William C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Electric insulator for high-pressure stills. 1,588,804; June 15.
Passaic Metal Ware Company. (See Aulbach, Charles J., assignor.)
Patterson, Harry R. (See Gilchrist, C. F., and Patterson.)
Pavelik, Frank, assignor of one-half to E. E. Healey, Puyallup, Wash. Retort. 1,589,217; June 15.
Payne, John M., et al. (See Ralsor, Jacob, assignor.)
Pearce, William L. (See Roye, R. T., and Pearce.)
Peaslee, John N., St. Paul, Minn. Storm-sash opener. 1,588,805; June 15.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,588,905; June 15.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company. Feeding molten glass. 1,589,304; June 15
Peterson, Charles F. (See Barringer, L. E., and Peterson.)
Peyton, Frank L., Dallas, Tex. Illuminating device for telephones. 1,588,770; June 15.
Pike, Robert D., San Mateo, and G. H. West, Albany, Calif.; said West assignor to said Pike. Metallurgical process and article. 1,588,806; June 15.
Pinten, John, Detroit, Mich. Display cabinet. 1,589,218; June 15.
Piper, Charles M., assignor of one-half to W. P. Gettman, Altoona, Pa. Paint and varnish remover. 1,589,219; June 15.
Polson, Carl, Vermillion, Kans. End gate. 1,588,493; June 15.

Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Loading device for wire-stapling machines. 1,588,989; June 15.
Polzer, Fridolin, South Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,588,990; June 15.
Ponsonby, William H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic brake valve. 1,588,610; June 15.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Latch. 1,589,220; June 15.
Potter & Buffington Company. (See Weed, Edward L., assignor.)
Poulsson, Edvard, Oslo, Norway. Benzoyl ecgonine ester and producing the same. 1,588,466; June 15.
Powell, John R., and W. Bausch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Hinge for spectacle mountings. 1,588,807; June 15.
Pratt, J. L., et al. (See Woodall, Robert B., assignor.)
Pratt, Walter E., Reno, Nev. Autographic register. 1,589,223; June 15.
Pressluft und Berieselung, Gesellschaft mit beschränkter Haftung. (See Dörnenburg, Heinrich, assignor.)
Price, Paul L., Mount Vernon, assignor to Irving Iron Works Company, Long Island City, N. Y. Floor grating. Des. 70,382; June 15.
Priesoitz, Joseph, Olmitz, Kans. Elevating and depresing device for implement frames. 1,589,221; June 15.
Pritchett, William H., San Diego, Calif. Gasoline siphon for automobiles. 1,589,222; June 15.
Proximity Manufacturing Company et al. (See Russell, Charles C., assignor.)
Pruitt, August M., Cleveland, Ohio. Switch. 1,588,467; June 15.
Puffer-Hubbard Manufacturing Company. (See Hubbard, Arthur G., assignor.)
Pugatsky, Max, New York, and B. H. Goldstein, Brooklyn, N. Y. Collar. 1,588,808; June 15.
Purser, William S., Palmers Green, London, assignor to Columbia Graphophone Company, Limited, London, England. Moving-coil electrical instrument. 1,589,019; June 15.
Putnam, Alden L., Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 1,588,494; June 15.
Putnam, Alden L., assignor to Motor Wheel Corporation, Lansing, Mich. Constructing metal spoke wheels. 1,588,495; June 15.
Rabe, Otto W. G., Lancaster, Calif. Automatic air-controlling device. 1,589,224; June 15.
Rackham, George J., assignor to Yellow Coach Manufacturing Co., Chicago, Ill. Double-deck vehicle. 1,588,906; June 15.
Radeff, Nickolas S., New Castle, Pa. Dirt collector. 1,588,991; June 15.
Ragionieri, Armendo, and O. Madrigali, Florence, Italy. System for the mechanical adjustment of the wick in so-called night lights and new means for fixing the wick itself. 1,588,992; June 15.
Rahn, Ernest H., Chicago, Ill., assignor, by mesne assignments, to Martin-Rockwell Corporation, Jamestown, N. Y. Ball bearing. 1,588,993; June 15.
Raisor, Jacob, Hornell, assignor of one-third to D. S. Mersereau and one-third to J. M. Payne, Endicott, N. Y. Bleaching sole leather. 1,588,686; June 15.
Ramm, Felix. (See Lane, F. W., and Ramm.)
Rancier, Charles A., Brooklyn, N. Y., assignor of one-half to William J. Boehmer. Animal trap. 1,588,907; June 15.
Rand, James H., jr., Tonawanda, N. Y. Card-index device. 1,589,225; June 15.
Rasmussen, Alvin C. (See Schmid, C. G., and Rasmussen.)
Rasmussen, Alvin C., assignor to Insley Manufacturing Company, Indianapolis, Ind. Skip hoist. 1,588,994; June 15.
Ray, Fred A., et al. (See Hubbard, William, assignor.)
Reeve, Helen, executrix. (See Reeve, Henry E.)
Reeve, Henry E., deceased, New York, by H. Reeve, executrix, Brooklyn, N. Y. Spring motor for signaling mechanism. 1,588,496; June 15.
Refrigerating Specialties Co. (See Hansen, Charles C., assignor.)
Regan, Dominic E., and J. G. Martin, Philadelphia, Pa. Restraining device. 1,589,226; June 15.
Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,588,611; June 15.
Reighard, Thomas H., Tarentum, Pa. Producing an alloy. 1,588,468; June 15.
Reisner, W. H., Mfg. Company, The. (See Hankey, John H., assignor.)
Reiss, Elias and Company. (See Edlich, Carl, assignor.)
Remington Typewriter Company. (See Barr, John H., assignor.)
Repiltura Corporation, The. (See Brixey, Austin D., assignor.)
Reynolds, Jerry J., Okmulgee, Okla. Coupling device. 1,588,908; June 15.
Reynolds Spring Company. (See Costigan, Wesley S., assignor.)
Rhenania Verein Chemischer Fabriken Actien-Gesellschaft, Zwiegniederlassung Mannheim. (See Wohler, Paul, assignor.)
Rhode, Lewis W. (See Eckles, Noble, assignor.)
Richardson, Howard B., Clemson College, S. C. Cabinet. 1,588,771; June 15.
Richter, Alfred W., Rock Valley, Iowa. Steering-knuckle-bushing remover. 1,588,687; June 15.
Richter, Robert, Berlin-Friedenau, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft in Goerzollee, Berlin-Zehlendorf, Germany. Photographic triplet. 1,588,612; June 15.
Ridley, Thomas R. (See Tham, H. A., and Ridley.)
Rietzke, Adolph A., Valley Park, Mo. Steering device. 1,588,497; June 15.
Rikenbaugh, Joseph, O'Fallon, Ill. Wall slab. 1,589,227; June 15.
Robb, Charlotte F. A., Boston, Mass. Lingerie clasp. 1,589,228; June 15.
Roberts, Arthur, Evanston, assignor, by mesne assignments, to Chicago Trust Company, trustee, Chicago, Ill. Design and operation of coke oven. 1,588,469; June 15.
Roberts, Charles. (See Stutts, B. S., and Roberts.)
Roberts, Charles L., Louisville, Ky., assignor to The American Tobacco Company, New York, N. Y. Method and apparatus for stemming tobacco. 1,588,613; June 15.
Roberts, Charles L., Louisville, Ky., assignor to The American Tobacco Company, New York, N. Y. Tobacco-stemming machine. 1,589,323; June 15.
Roberts, William, Savannah, Ga., assignor to The Diamond Match Company, Chicago, Ill. Wrapping machine. 1,589,229; June 15.
Robertson, D. E., et al. (See Woodall, Robert B., assignor.)
Robinson, John G., and R. A. Thom, Manchester, England, assignors to The Superheater Company, New York, N. Y. Steam superheater. 1,589,335; June 15.
Rockwell, Hugh M., Bristol, Conn. Crank-shaft assembly for engines. 1,588,614; June 15.
Rockwell, Hugh M., Bristol, Conn. Aircraft. 1,588,615; June 15.
Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
Rodgers, George B., San Francisco, Calif. Cotton harvester. 1,589,340; June 15.
Roedding, Gordon E., assignor to Grand Rapids Metal-craft Corporation, Grand Rapids, Mich. Container. 1,589,230; June 15.
Rogers, Charles O., Atlantic, Mass., assignor to Charles J. Jager Company, Boston, Mass. Portable power wood-sawing apparatus. 1,588,616; June 15.
Rogovin, Harry, Brooklyn, N. Y. Bed-lamp shade. Des. 70,383; June 15.
Rogovin, Harry, Brooklyn, N. Y. Bed-lamp shade. Des. 70,384; June 15.
Römmler, Kurt, Spremberg, Germany. Manufacture of artificial cloth. 1,588,854; June 15.
Rorabeck, Claude, Chicago Heights, assignor to Inland Engineering Company, Chicago, Ill. Tube-cleaning apparatus. 1,588,772; June 15.
Rose, Newton A., Wellesley Hills, Mass. Waterproof object or article and producing the same. 1,588,617; June 15.
Rosen, Carl G. A., San Francisco, Calif. Game apparatus. 1,588,618; June 15.
Rosenblatt, Isidor, New York, N. Y. Lantern or article of similar nature. Des. 70,385; June 15.
Rosenblatt, Isidor, New York, N. Y. Lantern or article of similar nature. Des. 70,386; June 15.
Rosenblatt, Isidor, New York, N. Y. Lantern or article of similar nature. Des. 70,387; June 15.
Rotary Rod Weeder & Mfg. Co. (See Wolfe, Henry K., assignor.)
Roth, William J., Chicago, Ill. Dirigible headlight. 1,588,809; June 15.
Roupp, John, Hesston, Kans. Front truck for corn harvesters. 1,588,909; June 15.
Rousseau, Leo J., Detroit, Mich. Toy. 1,588,773; June 15.
Roye, Richard T., and W. L. Pearce, Houston, Tex. Tong. 1,588,619; June 15.
Ruby, Michael, Thurman, Colo. Disk harrow. 1,588,910; June 15.
Rudolph, Walter H., West Hartford, and L. Y. Lucia, assignors to The Fuller Brush Company, Hartford, Conn. Coupling. 1,588,810; June 15.
Ruf, Herman P., New York, N. Y. Tape or braid winder. 1,588,995; June 15.
Rumbold, Sidney J., Paterson, N. J. Window wedge. 1,589,231; June 15.
Russell, Charles C., assignor of one-third to Proximity Manufacturing Company and one-third to T. E. Gardner, Greensboro, N. C. Brace for heddle frames. 1,588,811; June 15.
Russell, Howard W., Collingswood, N. J. Buckle. 1,588,498; June 15.
Ryan, Frederick B., New York, N. Y. Combined display and attention-directing card. 1,589,232; June 15.
Ryan, Matthew F., Florence, Mass. Sand-filter valve. 1,588,620; June 15.
S-C Regulator Manufacturing Company, The. (See Barrett, Joseph M., assignor.)

Sachse, Martin, Racine, Wis. Ventilator valve for windows. 1,588,855; June 15.
Sallac, Harry C., St. Louis, Mo. Pan lifter. 1,588,774; June 15.
Sandage, Jacob R., Chicago, Ill. Heater. 1,588,812; June 15.
Sargent & Company. (See Shaw, John H., assignor.)
Sarpy, George, et al. (See Dominiguez, Manuel D., assignor.)
Savoy, Philip A., Fullerton, Calif. Renewable fuse. 1,588,621; June 15.
Savoy, Philip A., Fullerton, Calif. Washing machine. 1,588,622; June 15.
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Oscillation circuits. 1,588,813; June 15.
Scherer, Benoit, Courbevoie, France. Automobile electric-lighting system. 1,588,623; June 15.
Schilke, John C., assignor of one-half to H. Froehlich, jr., Milwaukee, Wis. Envelope. 1,589,234; June 15.
Schleicher, Henry M., Boston, Mass., assignor to American Metal Company, Ltd., New York, N. Y. Production of calcium arsenate. 1,588,499; June 15.
Schley, Rudolph E., Beaver Dam, Wis. Fluid-power transmission. 1,588,996; June 15.
Schloemer, John F., Los Angeles, Calif. Egg-case cushion flat. 1,588,624; June 15.
Schmid, Carl G., assignor to Insley Manufacturing Company, Indianapolis, Ind. Head frame for mast hoists. 1,588,998; June 15.
Schmid, Carl G., and A. C. Rasmussen, assignors to Insley Manufacturing Company, Indianapolis, Ind. Building-material-handling apparatus. 1,588,997; June 15.
Schmid, Werner, Brooklyn, assignor to National Lace & Embroidery Company, New York, N. Y. Embroidered fabric. Des. 70,388; June 15.
Schmitt, Carl. (See Oertge, G., and Schmitt.)
Schmitz, Peter, New York, N. Y. Window screen. 1,588,999; June 15.
Schneider, Merritt F. (See Schneider, Walter E. and M. F.)
Schneider, Walter E. and M. F., Quincy, Calif. Automobile lock. 1,589,233; June 15.
Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 70,389; June 15.
Schoenen, Gerhard, Minden, Germany. Turnable hood for motor cars. 1,589,336; June 15.
Schon, Lester. (See Schoenberg, M. H., and Schon.)
Schönhöfer, Fritz. (See Schulemann, W., and Schönhöfer.)
Schröder, Edmund, Berlin, Germany. Device for the local annealing of pressed parts. 1,589,235; June 15.
Schulemann, Werner, Vohwinkel, near Elberfeld, and F. Schönhöfer, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Antipyretic. 1,588,814; June 15.
Schulte, William, West Point, Nebr. Mail-box support. 1,588,500; June 15.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,588,775; June 15.
Schümann, Hans, Munich, Germany. Device for determining the harmonic relations of musical notes. 1,588,470; June 15.
Schürmann, Carl, Dusseldorf, Germany. Clutch. 1,589,236; June 15.
Schwerin, Frank H., Bellevue, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Self-lowering screw jack. 1,589,000; June 15.
Scott, Allen E., deceased, San Francisco, E. Nelson, executor, Oakland, Calif. Explosive mixture. 1,589,237; June 15.
Scott, Hoyt S. (See Kirby, J. B., and Scott.)
Scott, Philip L., Three Oaks, Mich., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Injection valve. 1,589,238; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Injection valve. 1,589,239; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Making pumps. 1,589,240; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Atomizer. 1,589,241; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Atomizer for internal-combustion engines and the like. 1,589,242; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Manufacturing and fitting valve disks. 1,589,243; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Self-aligning valve. 1,589,244; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Injection valve. 1,589,245; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Preparing fuel for internal-combustion engines. 1,589,246; June 15.
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Reed-type spray nozzle. 1,589,247; June 15.
Scott, Rossiter S., New York, N. Y. Garter. 1,583,625; June 15.
Scott, Rossiter S., New York, N. Y. Garment holder. 1,588,626; June 15.
Segar Studios Inc., The. (See Holzhalb, Theodore, assignor.)
Selbt, Georg, Shoneberg, near Berlin, Germany. Loud-speaking telephone. 1,588,627; June 15.
Sellers, Daniel S., Indianapolis, Ind. Hanger. 1,588,628; June 15.
Sendek, Adam, jr., Jerome, Pa. Puzzle. 1,589,305; June 15.
Severance, Malvern W. (See Miller, L. H., and Severance.)
Severin, Heinrich, Sasbach, near Achern, Baden, Germany. Removal of glass from glass furnaces. 1,589,337; June 15.
Sexton, Augustus H., Indianapolis, Ind., assignor to D. L. Short, Philadelphia, Pa. Hair curling and waving device. 1,589,248; June 15.
Shaffer, Glenn A. (See Cannard, W. H., and Shaffer.)
Sharp & Smith Incorporated. (See Brix, Harold, assignor.)
Sharpe, Ethel W. (See Sharpe, Van Buren and E. W.)
Sharpe, Van Buren and E. W., Wilson, N. C. Cotton chopper. 1,589,249; June 15.
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Automatic train-control system continuous type with track-side energy. 1,589,001; June 15.
Shaw, John C., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Contouring tracer. 1,588,856; June 15.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock for gear-shift levers. 1,589,250; June 15.
Shay, Micheal, Oyen, Alberta, Canada. Horseshoe. 1,588,912; June 15.
Shelain, Frank G., assignor to Nelson Knitting Company, Rockford, Ill. Knitting machine. 1,588,501; June 15.
Sheldon, Edward P., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Associating mechanism. 1,589,251; June 15.
Sheppard, Samuel E., and C. L. Beal, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodepositing organic material such as rubber upon porous objects of non-conducting material such as fabrics. 1,589,325; June 15.
Sheppard, Samuel E., and C. L. Beal, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of organic materials such as rubber and cellulosic compounds. 1,589,326; June 15.
Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodepositing rubber upon a metal wire. 1,589,329; June 15.
Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Aqueous emulsion containing electrodepositable rubber and a cellulosic compound. 1,589,330; June 15.
Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Aqueous emulsion of unvulcanized rubber and sulphur. 1,589,331; June 15.
Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Electrodeposition of coatings comprising rubber and a cellulosic compound. 1,589,332; June 15.
Sherman, Francis H., Willimantic, Conn. Egg carton or carrier. 1,588,857; June 15.
Sherman, Howard B., Battle Creek, Mich. Spring-openable drain valve. 1,589,252; June 15.
Shipley, Thomas, York, Pa. Method of and apparatus for feeding precooled water to ice plants. 1,588,913; June 15.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Fluid heater. 1,588,776; June 15.
Short, David L. (See Sexton, Augustus H., assignor.)
Short, James M., North Little Rock, Ark. Refrigerator. 1,589,306; June 15.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Siebenhaar, Christian J., assignor of one-half to V. Barber, Beloit, Wis. Figure toy. 1,589,020; June 15.
Siebert, Albert. (See Siebert, Emma M., and A.)
Siebert, Emma, née Rüprich, M. Siebert, and A. Siebert, Magdeburg, Germany. Last. 1,588,911; June 15.
Siebert, Martha. (See Siebert, Emma M., and A.)
Siemens & Halske Aktiengesellschaft. (See Arndt, Hermann, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lubberger, Fritz, assignor.)
Sillcocks-Miller Co., The. (See Sillcocks, Warren S., assignor.)
Sillcocks, Warren S., New York, N. Y., assignor to The Sillcocks-Miller Co., South Orange, N. J. Golf tee. 1,588,815; June 15.
Sisson, Harry W., Chicago, Ill. Antiglare means. 1,588,816; June 15.
Sladek, Raymond P. (See Bramlett, M. E., and Sladek.)
Sladek, Victor S. (See Bramlett, M. E., and Sladek.)
Small, Arthur M., Middleton, Ohio. Storage-battery construction. 1,588,502; June 15.

Smidth, F. L., & Co. (See Middelboe, Kristian, assignor.)
Smiechewicz, Adam J., Cleveland, Ohio. Combined floor brush and mop. 1,588,253; June 15.
Smith, Alexander P., East Macon, Ga. Carrying frame for baskets. 1,588,550; June 15.
Smith, Charles B., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Console radiocabinet. Des. 70,390; June 15.
Smith, Charles W., Cincinnati, Ohio. Sign. 1,589,254; June 15.
Smith, (Miss) Christian E. (See Sprinkle, Clarence C., assignor.)
Smith, Harold W. and F. M. Billhimer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Regulator system. 1,588,631; June 15.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Method of and apparatus for transferring heat. 1,588,629; June 15.
Smith, Harry L., Griggsville, Ill. Table. 1,588,914; June 15.
Smith, Henry C., St. Marys, Ohio. Bending machine. 1,588,817; June 15.
Smith, Herbert K., assignor to M. P. Smith, New Orleans, La. Clasp. 1,588,630; June 15.
Smith, Herman C. (See Stone, Ernest V., assignor.)
Smith, Martin J., Columbus, Ohio. Ornamentation. 1,588,915; June 15.
Smith, Merle P. (See Smith, Herbert K., assignor.)
Smith, Raymond D., Scarsdale, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Quick-make and quick-break electric switch. 1,588,858; June 15.
Smith, Walter W., Gillett, Wis. Display stand for pails. 1,589,002; June 15.
Smith, William A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock-drill spool valve. 1,589,255; June 15.
Snyder, Edward L., St. Louis, Mo. Hatrack. 1,588,777; June 15.
Societe Anonyme le Carbone. (See Oppenheim, René, assignor.)
Société des Plaques et Poudres à Souder. (See Ligot, Albert J., assignor.)
Society of Chemical Industry in Basel. (See Blumfeldt, Alexander, assignor.)
Society of Chemical Industry in Basel. (See Isler, M., and von Mechel, assignors.)
Sonne, Thomas, Montreal, Quebec, Canada. Awning. 1,588,818; June 15.
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Sorensen, Sam, Houston, Tex. Tie plate. 1,588,778; June 15
Sorensen, Sam, Houston, Tex. Rail-connecting plate. 1,588,779; June 15.
Sossong, Raymond A., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Acetylene tank. 1,588,859; June 15.
Southern Steel Products Company. See Williams, John L., assignor.)
Spalsbury, Charles B., assignor to Johnson Stephens & Shinkle Shoe Company, St. Louis, Mo. Lasting machine. 1,588,916; June 15.
Spaulding, Arthur W., Oakland, Calif. Machine for making seamless cans. 1,588,819; June 15.
Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
Spigelmire, Charles E., Sparrows Point, Md., assignor to Bethlehem Steel Company. Liquid-fuel burner. 1,588,503; June 15.
Spillman, Albert, North Tonawanda, N. Y. Cover structure for amusement devices. 1,588,820; June 15.
Sprinkle, Clarence C., Marion, Ind. Container and dispenser. 1,588,552; June 15.
Sprinkle, Clarence C., assignor of one-third to (Miss) C. E. Smith, Marion, Ind. Humidifier. 1,588,551; June 15
Spruth, Hans, Berlin-Lankwitz, Germany. Lock. 1,589,256; June 15.
Square D Company. (See Ball, Albert P., assignor.)
Stalder, John W., assignor of fifty-one per cent to C. F. Steckelberg, Lincoln, Nebr. Metallic post. 1,589,257; June 15.
Stamm, George T. (See Stebler, F., and Stamm.)
Standard Computing Scale Company, The. (See Mathews, John C., assignor.)
Standard Oil Company. (See Anderson, Lossie E., assignor.)
Standard Oil Company. (See Wilson, Robert E., assignor.)
Stanley Insulating Company. (See Anthon, George C., assignor.)
Stanley, William, Chicago, Ill.— Fish lure. 1,589,258; June 15.
Stanzel, Leopold, and C. C. Johnson, Hoyt, Kans. Shock and rebound absorber for automobiles. 1,588,780; June 15.
Starmer, Mary, Newport News, Va. Belt buckle. 1,589,259; June 15.
Stebler, Fred, Riverside, and G. T. Stamm, Upland, assignors to Stebler Parker Co., Riverside, Calif. Box-feeding apparatus. 1,588,821; June 15.
Stebler Parker Co. (See Stebler, F., and Stamm, assignors.)
Steckelberg, Carl F. (See Stalder, John W., assignor.)
Steers, Willard E., Georgiaville, R. I. Cloth-inspecting machine. 1,589,003; June 15.
Steffan, William C., F. B. Ackermann, and W. J. Greiner, Chicago, Ill. Pencil. 1,589,260; June 15.
Steffan, William C., F. B. Ackermann, and W. J. Greiner, Chicago, Ill. Magazine pencil. 1,589,261; June 15.
Stewart-Warner Speedometer Corporation. (See Smith, Charles B., assignor.)
Stockholders Syndicate. (See Blumenberg, Henry, jr., assignor.)
Stoddard, George C., South Pasadena, Calif. Toothbrush protector. 1,588,781; June 15.
Stone, Ernest V., Santa Fe Springs, assignor to H. C. Smith, Whittier, Calif. Expansible pivot means for cranks and the like. 1,589,004; June 15.
Strautman, Henry, and K. Jauch, St. Louis, Mo. Oil burner. 1,589,262; June 15.
Strautman, William H., and A. Lupberger, St. Louis, Mo. Electric switch. 1,589,263; June 15.
Stromberg Motor Devices Company. (See Mock, Frank C., assignor.)
Sturdevant, Charles W., San Francisco, Calif. Cleaning locomotive boilers and supplying water to refill the same. 1,588,782; June 15.
Sturrock, James, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oil trap for rotary engines. 1,589,264; June 15.
Sturrock, James F., East Orange, N. J., assignor to Congoleum-Nairn (Inc.), Philadelphia, Pa. Selective control mechanism for printing machines. 1,589,021; June 15.
Stutts, Baldwin S., and C. Roberts, Munson, Fla. Shock absorber. 1,589,265; June 15.
Sullivan, William S., Philadelphia, Pa. Rotary gas engine. 1,588,632; June 15.
Summey, David L., Waterbury, Conn. Electric induction furnace. 1,589,266; June 15.
Sunnen, Joseph, St. Louis, Mo. Valve lifter. 1,588,504; June 15.
Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superheater Company, The. (See Robinson, J. G., and Thom, assignors.)
Svebilius, Henry M., Evanston, Ill. Releasable nut for clamps or the like. 1,589,307; June 15.
Swan, Elwood H., Kansas City, Mo., assignor to The Hoover & Allison Company, Xenia, Ohio. Method and apparatus for winding twine. 1,588,822; June 15.
Sweet, Kent, et al. (See Baum, Bert C., assignor.)
Sweet, Warren V., et al. (See Baum, Bert C., assignor.)
Sykes, Leonard, et al. (See Baum, Bert C., assignor.)
Syphonix Refrigerator Company. (See Munch, Walter, assignor.)
Syrstad, Carl P., Blooming, Saskatchewan, Canada. Line holder. 1,588,917; June 15.
Talbot, Ernest. (See Lebreton, A., and Talbot.)
Taylor, Carl R. (See Lensby, M. J., and Hensger, assignors.)
Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,588,918; June 15.
Taylor, William H. C., Kansas City, Mo. Shaving kit. 1,588,633; June 15.
Teaford, Clarence R., Farmland, Ind. Curtain fastener for autos. 1,588,553; June 15.
Telfer, Wilton, Ninette, Manitoba, Canada. Steam trap. 1,588,919; June 15.
Ternstedt Manufacturing Company. (See Schnell, William, assignor.)
Texas Company, The. (See Parrish, William C., assignor.)
Thacher, Sheldon P., Freehold, N. J., assignor to Morgan & Wright, Detroit, Mich. Texting apparatus or course. 1,588,505; June 15.
Tham, Howard A., and T. R. Ridley, Akron, Ohio. Badge or similar article. Des. 70,391; June 15.
Thayer, Frank H. (See McPhail, John C., assignor.)
Thiele, Albrecht, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Manufacture of a pharmaceutical product. 1,588,554; June 15.
Thom, Robert A. (See Robinson, J. G., and Thom.)
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Pivot mounting. 1,588,555; June 15.
Thomas, William G. (See Williamson, R. and Thomas.)
Thompson, Arthur W., East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company. Expansion connecter. 1,588,556; June 15.
Thompson, John M. and W. H., Buffalo, N. Y. Pipe-cleaning apparatus. 1,588,557; June 15.
Thompson, Sidney E., West Englewood, N. J., assignor to Copeland & Thompson, Inc., New York, N. Y. Plate or similar article. Des. 70,392; June 15.
Thompson, William H. (See Thompson, John M. and W. H.)
Thomson, Judson L., Manufacturing Co. (See Havener, Arthur R., assignor.)
Thornton, Frank, jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sheathed heating unit. 1,588,558; June 15.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,588,559; June 15.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,588,783; June 15.
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Todd Company, The. (See Murray, Wallace J., assignor.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Hem, Halvor W., assignor.)
Toledo Scale Company. (See Marshall, Charles O., assignor.)
Toledo Scale Company. (See Thomas, Edward G., assignor.)
Toomey, John A., Los Angeles, Calif. Transmission mechanism. 1,589,267; June 15.
Tossell, Richard, Chicago, Ill. Bumper for motor vehicles. 1,588,506; June 15.
Tossell, Richard, Chicago, Ill. Bumper for motor vehicles. 1,588,507; June 15.
Tossell, Richard, Chicago, Ill. Bumper for motor vehicles. 1,588,508; June 15.
Trahan, Paul O., and F. M. Kile, Gueydan, La. Well tubing. 1,588,920; June 15.
Trapp, Patrick A., Tulsa, Okla. Spudding gear for well-drilling rigs. 1,589,268; June 15.
Trbojevich, Nikola, Highland Park, Mich., assignor to Gleason Works, Rochester, N. Y. Generating gears. 1,588,560; June 15.
Trendwell Engineering Company. (See Mikaelson, Erik W., assignor.)
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Trent, Walter E., Washington, D. C. Treating carbonaceous materials. 1,589,022; June 15.
Trent, Walter E., Washington, D. C. Cracking coal and oil. 1,589,023; June 15.
Trethewey, George J. D., Detroit, Mich. Fish-plate clamp. 1,588,509; June 15.
Trolley Shoe Wheel Company. (See Henry, A. L., and Moore, assignors.)
Trout, Walter C., Lufkin, Tex. Counterbalance for crank shafts. 1,588,784; June 15.
Tucker, Ralph H., Los Angeles, Calif. Air-lift pump. 1,588,561; June 15.
Tulip Cup Corporation. (See Leet, Lynn T., assignor.)
Turner, Ode, Potter, Ark. Gasoline-vending machine. 1,588,921; June 15.
Tyrrell, William, Seattle, Wash. Briquetting process. 1,588,823; June 15.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Union Metal Products Company. (See Bonsall, Charles D., assignor.)
Union Steel Products Company. (See Hatch, Charles T., jr., assignor.)
United Cigarette Machine Company. (See Ewers, Alexander L., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Keall, assignors.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
Utility Trailer Manufacturing Company. (See Knox, Garner L., assignor.)
Van Daam, Gerrit, Buffalo, N. Y. Liquid-level gauge for liquid containers. 1,589,269; June 15.
Van Deren, James B., Kingfisher County, Okla. Automatic weighing machine. 1,589,270; June 15.
Van Meer, William H., Longton, Kans. Truss. 1,588,824; June 15.
Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated. Producing hydrogen. 1,588,860; June 15.
Van Sant, Robert H., Chicago, Ill. Toothbrush. 1,588,785; June 15.
Varaud, André, Geneva, Switzerland. Apparatus for timing artillery projectiles provided with clockwork-operated fuses. 1,589,271; June 15.
Vaughan, John A., Henderson, N. C. Train-order holder. 1,589,272; June 15.
Vaurs, Baptiste, Paris, France. Machine for making bolts, pins, spindles, valves, and the like. 1,589,273; June 15.
Vergan, William E., assignor of one-half to W. A. Mitchell, Denison, Tex. Air brake. 1,588,825; June 15.
Victoreen, John A., Cleveland, Ohio. Radiofrequency apparatus. 1,589,308; June 15.
Viscoloid Company, The. (See Hasenstein, Karl, assignor.)
Vivaudou, V., Inc. (See Karlson, Henry C., assignor.)
Vives, Edward R., New York, N. Y. Valve. 1,588,562; June 15.
Voigt, Arthur H. (See Miller, L. H., and Severance, assignors.)
Von Mechel, Lucas. (See Isler, M., and von Mechel.)
Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Company, Inc. Flash light. 1,588,428; June 15.
Voorhees Rubber Mfg. Co. (See Current, Wertus, assignor.)
Vulcan Last Company, The. (See Clausing, George, assignor.)
Wachsmuth, Albert J., Muskegon, Mich. Making artificial cane. 1,588,429; June 15.
Wade, Harold R., and L. M. Harley, assignors to Jas. H. Matthews & Company, Pittsburgh, Pa. Printing die. 1,589,024; June 15.
Wade, James A., Detroit, Mich. Remedy for skin blemishes. 1,588,826; June 15.
Wadge, Thomas, and B. J. Desmond, Winnipeg, Manitoba, Canada. Shocking machine. 1,588,827; June 15.
Wadsworth Core Machine & Equipment Co. (See Wadsworth, George H., assignor.)
Wadsworth, George H., assignor to The Wadsworth Core Machine & Equipment Co., Akron, Ohio. Tire-spreading device. 1,589,274; June 15.
Wadsworth, William W., Tremonton, Utah. Box-sealing device. 1,588,922; June 15.
Wagner, Henry A., assignor to The Willys-Overland Company, Toledo, Ohio. Spring-seat construction. 1,588,786; June 15.
Wahl, Leo J., Sterling, Ill. Electric hair clipper. 1,589,027; June 15.
Wakeman, Ross H., Bradentown, Fla. Grave covering. 1,588,430; June 15.
Walker, Jay P., assignor to American Tank Company, Oklahoma City, Okla. Gas trap and flow tank. 1,588,861; June 15.
Walker, Jay P., assignor to American Tank Company, Oklahoma City, Okla. Hatch for fluid-storage tanks. 1,588,862; June 15.
Walker, Jay P., assignor to American Tank Company, Oklahoma City, Okla. Antifreeze fluid control for storage tanks. 1,588,863; June 15.
Wallstrom, Ludwig, Lima, Peru. Burner. 1,588,634; June 15.
Wesserberger, Jacob, New York, N. Y. Pole and mast support. 1,589,028; June 15.
Waterman, Harry S., Los Angeles, Calif. Expanding mandrel. 1,588,787; June 15.
Waters, Reginald H. (See Graybill, T., and Waters.)
Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp-beam stand for looms. 1,588,828; June 15.
Watts, Frank W., Philadelphia, Pa. Chain. 1,589,275; June 15.
Wear, William S., Excelsior Springs, Mo. Silver-glass-mirror making. 1,588,510; June 15.
Webb, Ernest H., New Brunswick, N. J., assignor to Chase Companies, Inc., Waterbury, Conn. Apparatus for carding safety pins. 1,588,431; June 15.
Webb, Ernest H., New Brunswick, N. J., assignor to Chase Companies, Inc., Waterbury, Conn. Package of safety pins, etc. 1,588,432; June 15.
Webb, Frank C., Portland, Oreg. Swimming glove. 1,588,635; June 15.
Webber, Ezra G. (See Kearns, J., and Webber.)
Weber, Charles S., Hanford, Calif. Piano sounding-board bridge. 1,588,788; June 15.
Weed, Edward L., assignor to Potter & Buffington Company, Providence, R. I. Gem. Des. 70,393; June 15.
Weeks, Frederick H., Akron, Ohio. Gauge for cut-off saw benches. 1,589,276; June 15.
Wolbull, Ernst H. W., asignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Antifriction roller bearing. 1,588,433; June 15.
Weiss, Samuel, assignor to The Mutagraph Company, New York, N. Y. Changeable sign and price card 1,588,864; June 15.
Welffens, Emile J., Manchester, England. Driving of drawing rollers in spinning machinery. 1,588,865; June 15.
Wells, George F., San Francisco, Calif. Waffle iron or similar article. Des. 70,394; June 15.
Wells, Wilfrid H., Munich, Germany. Case for safety-razor blades. 1,588,923; June 15.
Werner, Otto G., assignor of one-half to F. W. Gilbert, Newark, N. Y. Forced-draft pan structure. 1,588,789; June 15.
West, George H. (See Pike, R. D., and West.)
West, John B., Syracuse, N. Y. Automatic auxiliary air valve for internal-combustion engines. 1,588,924; June 15.
Westbrook, John J. jr., Danville Va. Musical instrument. 1,588,636; June 15.
Western Electric Company. (See Clokey, Allison A., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Heinicke Herbert M. E., assignor.)
Western Electric Company. (See O'Neill, Henry W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brannigan, Edward J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Candee, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Golladay, Lawrence R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jablow, Charles, assignor.)
Westinghouse Electric & Manufacturing Company. (See Jones, Maurice F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ponsonby, William H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, H. W., and Billhimer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Arthur W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Electric Products Company. (See Fox, John C., assignor.)
Wheary-Burge Trunk Company. (See Wheary, George H., assignor.)
Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Trunk-top construction. 1,589,029; June 15.
Whisler, Roy G., Fort Worth, Tex. Ice-making apparatus. 1,588,925; June 15.
White, Charles E., assignor to Deere & Company, Moline, Ill. Thrashing machine. 1,588,637; June 15.
White, George S., Los Angeles, Calif. Ultra-red therapeutic pad. 1,589,338; June 15.
White, Thomas K., Huron, S. Dak. Scoop cleaner. 1,588,628; June 15.
Whiteside, John W. (See Godstrey, P. F., and Whiteside.)
Whiting, Jasper, Boston, Mass. Bread slicer. 1,589,030; June 15.
Whitmore, David P. (King, Victor J., assignor.)
Wick, Louis J., Highland, Ill. Switch mechanism. 1,589,031; June 15.
Wiggen, Peder, assignor to Nelson-Wiggen Piano Company, Chicago, Ill. Banjo attachment for pianos. 1,589,032; June 15.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wiley, Samuel, Metuchen, N. J. Emergency-landing flare. 1,588,639; June 15.
Wiley, Samuel, Metuchen, N. J. Emergency-landing flare. 1,589,277; June 15.
Williams, John L., assignor to Southern Steel Products Company, Jackson, Tenn. Cultivator attachment for tractors and the like. 1,589,278; June 15.
Williams, William A., assignor to The North British Rubber Company, Limited, Edinburgh, Scotland. Rubber paving and flooring block or slab. 1,588,926; June 15.
Williamson, Robert, Malpas, England, and W. G. Thomas, Cardiff, Wales. Apparatus for angular bending or curving of metal sheets and bars. 1,588,640; June 15.
Willis, Luke A., Orlando, Fla. Garden implement. 1,588,927; June 15.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Gilbert, Alva B., assignor.)
Willys-Overland Company, The. (See Wagner, Henry A., assignor.)
Wilmot Engineering Company. (See Meier, Charles F., assignor.)
Wilson, Edward O., Madison, Wis. Lawn mower. 1,589,279; June 15.
Wilson, John H., Co. (See Cowen, Arther, assignor.)
Wilson, John W., Hallsboro, N. C. Plow and tractor attachment. 1,589,033; June 15.
Wilson, Lyman A., New York, N. Y. Endless-film reel. 1,588,866; June 15.
Wilson, Milton R., San Francisco, Calif. Forming barrel tumblers. 1,589,280; June 15.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Liquid-dispensing pump. 1,589,025; June 15.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Liquid and mechanical seal. 1,589,026; June 15.
Wilson, W. A., et al. (See Merrifield, John R., assignor.)
Wilson, Walter J., Sewickley, Pa. Mining machine. 1,588,563; June 15.
Wilson, Walter J., Sewickley, Pa. Mining and loading apparatus. 1,588,564; June 15.
Winans, Albert R. (See Curtiss, Nathan A., assignor.)
Winans, Albert R., Ramsey, N. J. Foot-propelled toy vehicle. 1,588,867; June 15.
Winchester Repeating Arms Co. (See Gravely, Julian S., assignor.)
Wing, May, Stockton, Calif. Safety ash tray. 1,588,565; June 15.
Winthrop Chemical Company. (See Schulemann, W., and Schönhöfer, assignors.)
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Gear-grinding machine. 1,588,928; June 15.
Wismer, Einar, San Francisco, Calif., assignor to American Telephone and Telegraph Company. Step for poles. 1,588,566; June 15.
Witham, George S., jr. (See Hogan, E. L. and Witham.)
Wittenmeier, Fred, Chicago, Ill. Refrigerating system. 1,589,281; June 15.
Wöhler, Paul, assignor to the Firm of Rheinania Verein Chemischer Fabriken Actien-Gesellschaft, Zweignieder-lassung Mannheim, Mannheim-Wohlgelegen, Germany. Method for the production of highly-active charcoal from wood. 1,588,868; June 15.
Wolfe, Henry K., assignor to Rotary Rod Weeder & Mfg. Co., Cheney, Wash. Rotary rod weeder. 1,588,790; June 15.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 70,395; June 15.
Wolk, Gerson G., New York, N. Y. Photographic film. 1,588,869; June 15.
Wood, Abe J. (See Knifong, S. S., Matthews, Heitschmidt, Wood, and Loftus.)
Wood, Edith P. (See Golinik, Arthur T., assignor.)
Wood, Evans, Kuna, Idaho. Envelope opener. 1,588,829; June 15.
Wood Hydraulic Hoist and Body Company. (See Barrett, Edward R., assignor.)
Wood, Walter W., Canton, Ohio. Rheostat. 1,589,034; June 15.
Woodall, Robert B., assignor of one-fifteenth to J. L. Pratt, one-fifteenth to B. J. Glover, one-fifteenth to W. F. Graves, and one-tenth to D. E. Robertson, Malvern, Ark. Street-railway switch. 1,589,282; June 15.
Woodford, John W., Philippi, W. Va., assignor of one-fourth to W. A. Morley, Atlantic City, N. J. Flour sifter. 1,588,830; June 15.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heat-treating furnace. 1,588,641; June 15.
Wright, Maurice E. and A. M. Braden, Gibbs, Idaho. Setworks. 1,588,642; June 15.
Wulf, Frank F., Neligh, Nebr. Draft evener. 1,589,035; June 15.
Wynns, Cyrus T., Rocky Mount, N. C. Setting device for sawmill carriages. 1,589,283; June 15.
Yates, Charles E., and F. E. Kasten, Allentown, Pa. Ironing-board attachment. 1,589,284; June 15.
Yellow Coach Manufacturing Co. (See Rackham, George J., assignor.)
Yokel, Frank, Avalon, Pa. Electric heater. 1,589,285; June 15.
Yokoyama, Masaji, Tokio, Japan. Sign controller. 1,588,831; June 15.
Young, Donald B., Cleveland, Ohio. Automatically-operated reciprocating tool. 1,588,832; June 15.
Young, Horace J. (See Fletcher, J. E., and Young.)
Young, Hugh E., Chicago, Ill. Bridge. 1,589,036; June 15.
Youngman, Christopher W. (See Logan, James W., assignor.)
Zabel, Charles, Coraopolis, assignor to McDowell Manufacturing Company, Millvale, Pa. Mechanical racing toy. 1,589,286; June 15.
Ziegler, William M., assignor to The Apex Machine Company, Dayton, Ohio. Chuck. 1,589,287; June 15.
Zobe, Ludwig A., Syracuse, N. Y. Apparatus for dehydrating liquids. 1,588,929; June 15.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene tank. R. A. Sossong. 1,588,859; June 15.
Adjustable clamp. Max Kahle. 1,588,742; June 15.
Advertising device. G. L. Gold. 1,588,674; June 15.
Aerating systems, Quick opening and closing check valve for. J. A. Martocello. 1,588,808; June 15.
Agricultural implements, Pneumatic draft gear for the cultivating tines of stump jump. W. A. Coombs. 1,589,115; June 15.
Air brake. W. E. Vergan. 1,588,825; June 15.
Air brush or spraying device. C. C. Leigh. 1,588,756; June 15.
Air compressor and vacuum water pump. V. J. King. 1,588,840; June 15.
Air-controlling device, Automatic. O. W. G. Rabe. 1,589,224; June 15.
Aircraft. H. M. Rockwell. 1,588,615; June 15.
Alarm system, Supervisory. T. F. Hornaday and G. E. Kittleberger. 1,588,835; June 15.
Alloy of tantalum. P. H. Brace. 1,588,518; June 15.
Alloy, Producing an. T. H. Reighard. 1,588,468; June 15.
Amusement device. F. Chapman. 1,588,941; June 15.
Amusement device. P. Eakin. 1,589,131; June 15.
Amusement devices, Cover structure for. A. Spillman. 1,588,820; June 15.
Andiron. R. S. Emmet. 1,588,954; June 15.
Animal trap. C. A. Rancier. 1,588,907; June 15.
Annealing of pressed parts, Device for the local. E. Schröder. 1,589,235; June 15.
Anodes, Making. C. G. Backus. 1,588,513; June 15.
Antiglare means. H. W. Sisson. 1,588,816; June 15.
Antipyretic. W. Schulemann and F. Schönhöfer. 1,588,814; June 15.
Arsenates, Making. H. P. Bassett and E. C. Lathrop. 1,588,691; June 15.
Artillery projectiles provided with clockwork-operated fuses, Apparatus for timing. A. Varnaud. 1,589,271; June 15.
Ash tray, Safety. M. Wing. 1,588,565; June 15.
Associating mechanism. E. P. Sheldon. 1,589,251; June 15.
Atomizer. P. L. Scott. 1,589,241; June 15.
Autographic register. W. E. Pratt. 1,589,223; June 15.
Automobile brake-testing device. E. F. McGrath. 1,588,767; June 15.
Automobile bumper. F. Hornquist. 1,588,736; June 15.
Automobile electric-lighting system. B. Scherer. 1,588,623; June 15.
Automobile lock. W. E. Schneider and M. F. Schneider. 1,589,233; June 15.
Automobile lock, Steering-wheel. A. B. Burt. 1,588,937; June 15.
Automobile protector. W. C. Holland. 1,588,421; June 15.
Automobile radiators, Shutter for. F. E. Elder. 1,589,057; June 15.
Automobiles, Adjustable body for. H. A. Johnson. 1,588,740; June 15.
Automobiles, Cap for radiators of. F. H. Auld. 1,588,567; June 15.
Automobiles, Gasoline siphon for. W. H. Pritchett. 1,589,222; June 15.
Automobiles, Shock and rebound absorber for. L. Stanzel and C. C. Johnson. 1,588,780; June 15.
Automobiles, Wheel aligner for. A. A. Bussard. 1,589,048; June 15.
Awning. T. Sonne. 1,588,818; June 15.
Badge or similar article. H. A. Thaim and T. R. Ridley. Des. 70,391; June 15.
Bag: *See*—
Clothes bag.
Bag. A. M. Bates. 1,588,646; June 15.
Bag forming and filling apparatus. A. M. Bates. 1,588,650; June 15.
Bags, Closing. A. M. Bates. 1,588,648; June 15.
Bags, Making filled. A. M. Bates. 1,588,649; June 15.
Bait, Artificial. E. J. Babbitt. 1,588,590; June 15.
Ballast-removing machine. E. Overmier. 1,588,801; June 15.
Barrel tumblers, Forming. M. R. Wilson. 1,589,280; June 15.
Baskets, Carrying frame for. A. P. Smith. 1,588,550; June 15.
Battery: *See*—
Electric battery. Storage battery.
Galvanic battery.
Bearing, Antifriction roller. E. H. W. Weibull. 1,588,433; June 15.
Bearing, Ball. E. H. Rahn. 1,588,993; June 15.
Bearing, Roller. C. W. Chisholm. 1,588,446; June 15.
Beater, Automatic steak. T. C. Allison. 1,589,084; June 15.
Bed, Collapsible. R. R. Keesling. 1,589,296; June 15.
Belt. J. W. Johnston. 1,589,315; June 15.
Bending machine. H. C. Smith. 1,588,817; June 15.
Benzoyl ecgonine ester and producing the same. E. Poulsson. 1,588,466; June 15.
Binder, Loose-leaf. J. C. Dawson. 1,589,124; June 15.
Binder, Loose-leaf. C. E. Johnson. 1,589,170; June 15.
Bins and chutes, Cut-off for gravel. F. R. Jones. 1,588,838; June 15.
Biscuit. F. H. Bennett. Des. 70,354; June 15.
Bit: *See*—
Drill bit.
Blanks, Machine for feeding. H. S. Labombarde. 1,588,843; June 15.
Block: *See*—
Crown block.
Boiler. J. W. Bowerbank. 1,588,570; June 15.
Boiler. J. S. Hillyer. 1,589,162; June 15.
Boiler cleaner. H. Billingham. 1,589,099; June 15.
Bolts, pins, spindles, valves, and the like, Machine for making. B. Vaurs. 1,589,273; June 15.
Bottle. J. P. Curran. Des. 70,359; June 15.
Bottle. P. B. de Wagner. Des. 70,361; June 15.
Bottle, Nursing. C. F. Fisk. 1,589,138; June 15.
Bottle, Vacuum. G. C. Anthon. 1,589,088; June 15.
Bottles, Closure for milk. U. J. Ewing. 1,589,134; June 15.
Box: *See*—
Dispensing and display box.
Box-feeding apparatus. F. Stebler and G. T. Stamm. 1,588,821; June 15.
Brace: *See*—
Corset brace.
Brake: *See*—
Air brake. Compression brake.
Brake mechanism. B. Jorgensen. 1,588,683; June 15.
Brake system. A. H. Candec. 1,588,523; June 15.
Brakes, Control for air. N. A. Christensen. 1,588,658; June 15.
Brazing stick, Making a. A. J. Ligot. 1,588,761; June 15.
Bread, Manufacture of. H. Hewitt. 1,589,311; June 15.
Brick jointer, Adjustable. B. T. Griffith. 1,588,793; June 15.
Bridge. H. E. Young. 1,589,036; June 15.
Bridge structure, Conveying. A. E. Norris. 1,588,853; June 15.
Briquetting. W. Tyrrell. 1,588,823; June 15.
Broach guide. J. P. Ferris. 1,588,716; June 15.
Brush, Fountain. G. T. Parr. 1,588,465; June 15.
Buckle. H. W. Russell. 1,588,498; June 15.
Buckle, Belt. M. Starmer. 1,589,259; June 15.
Building-material-handling apparatus. C. G. Schmid and A. C. Rasmussen. 1,588,997; June 15.
Building-unit machine. F. E. Gallagher. 1,589,141; June 15.
Burner: *See*—
Fuel burner. Liquid-fuel burner.
Gas burner. Oil burner.
Burner. L. Wallstrom. 1,588,634; June 15.
Cabinet. H. B. Richardson. 1,588,771; June 15.
Cabinet, Display. J. Pinten. 1,589,218; June 15.
Calcium arsenate, Production of. H. M. Schleicher. 1,588,499; June 15.
Camera. P. S. Donchian. 1,588,666; June 15.
Can-making machine. H. A. Fink and A. L. Kronquest. 1,589,059; June 15.
Cans, Machine for making seamless. A. W. Spaulding. 1,588,819; June 15.
Cane, Making artificial. A. J. Wachsmuth. 1,588,429; June 15.
Cap, Adjustable. P. A. Fischer. 1,588,536; June 15.
Car couplers, Device for operating. C. D. Bonsall. 1,588,696–7; June 15.
Cars, Turnable hood for motor. G. Schoenen. 1,589,336; June 15.
Carbonaceous materials, Treating. W. E. Trent. 1,589,022; June 15.
Carborundum structures, Making. J. Kelleher. 1,588,478; June 15.
Carburetor. N. Eckles. 1,588,667; June 15.
Carburetor. A. S. Hodgson. 1,589,175; June 15.
Carburetors, Automatic control for. F. F. Henriot. 1,588,727; June 15.

Cartridges, Safety device for explosive. E. Karollus. 1,588,427; June 15.
Case: *See*—
Cigarette case. Thermometer case.
Refrigerated show case. Vanity case.
Caster. G. P. Bull. 1,589,104; June 15.
Casting, Iron. J. E. Fletcher and H. J. Young. 1,589,062; June 15.
Castings, Treating iron. H. A. Engman, jr. 1,588,534; June 15.
Cellulosic compounds, Electrodeposition of coatings of. L. W. Eberlin and C. L. Beal. 1,589,327; June 15.
Chain. F. W. Watts. 1,589,275; June 15.
Chain, Drive. C. F. Meier. 1,589,201; June 15.
Chair: *See*—
Folding chair.
Charcoal for medicinal purposes, Adsorptive. R. Adler. 1,589,081; June 15.
Charcoal from wood, Production of highly-active. P. Wohler. 1,588,868; June 15.
Chest: *See*—
Ice chest.
Chloride, Preparing cyanogen. R. V. Heuser. 1,588,731; June 15.
Chlorine, Evaporation of. B. T. Brooks. 1,588,699; June 15.
Chopper: *See*—
Cotton chopper.
Chuck. W. M. Ziegler. 1,589,287; June 15.
Cigar lighter. R. T. Manning. Des. 70,379; June 15.
Cigars and tobacco, Moistener for. H. Le Gris. 1,588,595; June 15.
Cigarette case. A. Cowen. 1,589,118; June 15.
Cigarette container. G. H. Gross. 1,588,677; June 15.
Cigarette machines, etc., Paper feed and printing mechanism for. A. L. Erers. 1,588,955; June 15.
Circuit breaker. W. M. S. Kilgour. 1,588,459; June 15.
Circuit controller, Desk. R. C. Leake. 1,589,319; June 15.
Circuit-testing device. C. L. Chatham. 1,588,572; June 15.
Circuits, Oscillation. W. Scheppmann. 1,588,813; June 15.
Clamp: *See*—
Adjustable clamp. Plate clamp.
Clamps or the like, Releasable nut for. H. M. Svebilius. 1,589,307; June 15.
Clasp: *See*—
Lingerie clasp.
Clasp. S. Dinkelbihler. 1,588,709; June 15.
Clasp. H. K. Smith. 1,588,630; June 15.
Clay, Treatment of. W. Foldenheimer. 1,588,956; June 15.
Cleaner: *See*—
Boiler cleaner. Scoop cleaner.
Pipe cleaner. Windshield cleaner.
Clock, Alarm. W. F. Fraser. 1,588,543; June 15.
Clocks, Electric battery for. B. Newth and O. Newth. 1,589,211; June 15.
Cloth-inspecting machine. W. E. Steere. 1,589,003; June 15.
Cloth, Manufacture of artificial. K. Römmler. 1,588,854; June 15.
Clothes bag. L. F. Harris. 1,589,155; June 15.
Clothesline. G. L. Oliver and J. H. France. 1,588,800; June 15.
Clothespin. W. J. Haskins. 1,589,076; June 15.
Clutch. C. Schurmann. 1,589,236; June 15.
Clutch control. W. A. M. De Vasconcellos. 1,589,126; June 15.
Clutch control, Drawbar. W. H. Firari. 1,589,060–1; June 15.
Clutch, Hydraulic. E. S. Palmbla. 1,588,988; June 15.
Coal and oil, Cracking. W. E. Trent. 1,589,023; June 15.
Coffeepot. C. B. Parker. 1,588,769; June 15.
Coke oven, Design and operation of. A. Roberts. 1,588,469; June 15.
Collar. E. R. Beasley. 1,588,931; June 15.
Collar. G. J. Dormandy. 1,588,878; June 15.
Collar. M. Pugatsky and B. H. Goldstein. 1,588,808; June 15.
Collector, Dirt. N. S. Radeff. 1,588,991; June 15.
Coloring matter, Vat. H. Neresheimer. 1,589,303; June 15.
Combination lock. M. J. Lensky and F. A. Hensger. 1,588,896; June 15.
Commercial articles, Support for. A. T. Golinik. 1,589,145; June 15.
Compression brake. F. E. Best. 1,588,569; June 15.
Concrete blocks and method of using the same, Composition for. E. A. Knapp. 1,588,841; June 15.
Concrete piling. A. E. Barnes. 1,588,516; June 15.
Condenser. A. A. Kent. 1,588,474; June 15.
Condenser, Electric. C. S. Gerber. 1,588,671; June 15.
Condenser tubes, Plug for cleaning. M. Mannion and R. C. Arthur. 1,588,765; June 15.
Condenser, Variable. L. H. Miller and M. W. Severance. 1,589,204; June 15.
Conduits projecting into filled areas, Protecting. A. Marston. 1,588,897; June 15.
Connecter, Flexible. R. L. Kingston. 1,588,477; June 15.
Contact unit or assembly. H. Ford. 1,588,722; June 15.
Container. R. S. Bolger. 1,588,933; June 15.
Container. G. E. Roedding. 1,589,230; June 15.
Container and dispenser. C. C. Sprinkle. 1,588,552; June 15.
Container cap. E. T. Gove. 1,588,075; June 15.
Container closure. H. H. McGee. 1,588,847; June 15.
Containers, Liquid-level gauge for liquid. G. Van Daam. 1,589,269; June 15.
Conveyer, Portable. H. H. Barber. 1,589,091; June 15.
Conveyers, Feed device for belt. C. Albers. 1,589,082; June 15.
Conveyers, Feed device for belt. L. E. Parker. 1,588,904; June 15.
Cooking machine, Multiple. C. N. Currier and M. C. Merrill. 1,588,530; June 15.
Cooling and mixing machine. J. E. Johnson and C. H. Oslund. 1,589,079; June 15.
Corset brace. E. M. Clewell. 1,589,050; June 15.
Cotton-boll extracting and cleaning device. G. E. Evans. 1,588,881; June 15.
Cotton chopper. J. M. Caldwell. 1,588,701; June 15.
Cotton chopper. J. Coltharp. 1,588,944; June 15.
Cotton chopper. V. and E. W. Sharpe. 1,589,249; June 15.
Coupling: *See*—
Flexible coupling.
Coupling. J. M. Oden. 1,588,605; June 15.
Coupling. W. H. Rudolph and L. V. Lucia. 1,588,810; June 15.
Coupling device. J. J. Reynolds. 1,588,908; June 15.
Coupling sleeves, Making. J. M. Oden. 1,588,606; June 15.
Crank-shaft assembly. H. M. Rockwell. 1,588,614; June 15.
Crank shafts, Counterbalance for. W. C. Trout. 1,588,784; June 15.
Cranks and the like, Expansible pivot means for. E. V. Stone. 1,589,004; June 15.
Crate and tilting can support, Combined shipping. L. E. Anderson. 1,589,038; June 15.
Crate, Collapsible. G. Chamberlain. 1,589,112; June 15.
Cross equalizer. C. Jablow. 1,588,582; June 15.
Crossing gate and highway signal. W. B. Miller. 1,588,849; June 15.
Crown block, Adjustable. B. Boykin, jr. 1,588,872; June 15.
Cup: *See*—
Grease cup. Oil cup.
Cup. W. G. Flint. Des. 70,363; June 15.
Cup. R. C. Johnson. Des. 70,369; June 15.
Curling iron. J. R. Cotter. 1,589,117; June 15.
Curling-iron heater. J. Brandstetter. 1,589,102; June 15.
Current commutator machine, Alternating-. M. Kostenko and N. Japolsky. 1,588,749; June 15.
Curtain fastener for autos. C. R. Tenford. 1,588,553; June 15.
Curtain rod or similar article. C. W. Kirsch. Des. 70,371; June 15.
Cushion spring. J. C. Barefoot. 1,589,092; June 15.
Cushion spring. F. Karr. 1,588,743; June 15.
Cutter: *See*—
Linoleum cutter. Vegetable and fruit cutter.
Deflector for fluid streams, Movable. F. Lallemand. 1,589,010; June 15.
Dental plate brush. H. Cave. 1,588,940; June 15.
Denture, Making a. C. L. Alexander. 1,589,083; June 15.
Dewatering material, Process and apparatus for. H. B. Cleveland. 1,588,526; June 15.
Dial for indicating devices. O. W. Heise. 1,588,418; June 15.
Die: *See*—
Printing die.
Digging machine. V. Hejma. 1,589,289; June 15.
Disk harrow. M. Ruby. 1,588,910; June 15.
Dispensing and display box. J. T. McKinstry. 1,588,848; June 15.
Display and attention-directing card, Combined. F. B. Ryan. 1,589,232; June 15.
Display device. J. H. Bassett. 1,589,005; June 15.
Display device. G. Chortanian and C. Atamian. 1,589,292; June 15.
Display rack. L. S. McComb. 1,589,198; June 15.
Display stand for pails. W. W. Smith. 1,589,002; June 15.
Doctor plate. F. H. Hoberg. 1,588,732; June 15.
Documents, Protecting. W. J. Murray. 1,589,210; June 15.
Door catch. H. K. Meis. 1,589,202; June 15.
Door, Folding. T. E. Collins. 1,588,663; June 15.
Doorlock. E. Beaudin. 1,589,095; June 15.
Door opener and closer, Garage-. O. M. Gilbertson. 1,589,067; June 15.
Doweling machine. J. Burger. 1,588,443; June 15.
Dieing-out machines, Attachment for. W. Hubbard. 1,589,176; June 15.
Draft evener. F. F. Wulf. 1,589,035; June 15.
Draft pan structure, Forced-. O. G. Werner. 1,588,789; June 15.
Draft rigging, Friction. G. B. Dorey. Re16,364; June 15.
Drill bit. C. L. Harralson. 1,589,152; June 15.
Drilling machine. H. L. Browne. 1,588,441; June 15.
Drilling machine. G. H. Gilman. 1,588,406–8; June 15.
Dry cell. W. F. Hendry. 1,588,726; June 15.
Drying plants, Drying and ventilating method and apparatus for material-. E. L. Hogan and G. S. Witham, jr. 1,588,834; June 15.
Duplicating. D. Gestetner. 1,588,574; June 15.

Dye composition. J. M. Matthews. 1,588,482–3; June 15.
Dye composition, Soluble. J. M. Matthews. 1,588,484; June 15.
Dyestuff and making same, Vat. W. Eckert and H. Greune. 1,588,451; June 15.
Dyestuff, Indigo. S. N. Gupta. 1,588,960; June 15.
Dyestuffs containing chromium and making same, Azo. M. Isler and L. von Mechel. 1,588,458; June 15.
Egg carton or carrier. F. H. Sherman. 1,588,857; June 15.
Egg-case cushion flat. J. F. Schloemer. 1,588,624; June 15.
Electric battery. R. B. Owen. 1,588,803; June 15.
Electric controller. F. Morris. 1,588,981; June 15.
Electric furnace. E. J. Brannigan. 1,588,520; June 15.
Electric furnace. T. A. Reid. 1,588,611; June 15.
Electric heat-treating furnace. J. C. Woodson. 1,588,641; June 15.
Electric heater. F. Yokel. 1,589,285; June 15.
Electric induction furnace. D. L. Summey. 1,589,266; June 15.
Electric signaling system. H. Arndt. 1,589,341; June 15.
Electric switch. H. K. Krantz. 1,588,893; June 15.
Electric switch. W. H. Strautman and A. Lupberger. 1,589,263; June 15.
Electric switch, Quick-made and quick-break. R. D. Smith. 1,588,858; June 15.
Electric switches, Contact device for. W. J. Gibbons. 1,589,066; June 15.
Electrical coil. W. M. Austin. 1,588,512; June 15.
Electrical instrument, Moving-coil. W. S. Purser. 1,589,019; June 15.
Electrical measuring instrument. L. W. Chubb. 1,588,525; June 15.
Electrical measuring instrument. C. L. Fortescue. 1,588,538; June 15.
Electrical system. A. P. Ball. 1,588,514; June 15.
Electrical tuning, Method and apparatus for selective. H. N. Bliss. 1,588,438; June 15.
Electrodepositable cellulosic compounds and coalescing agents therefor, Aqueous emulsions of. L. W. Eberlin and C. L. Beal. 1,589,328; June 15.
Electrolytic decomposition apparatus, Electrode for. C. F. Holmboe. 1,588,579; June 15.
Electromagnetic control device. J. H. Hankey. 1,588,412; June 15.
Electromagnetic driver. W. H. Gerns. 1,588,545; June 15.
Electromagnetic relay. M. L. Nelson. 1,588,604; June 15.
Electromagnetically-operated motor. M. D. Dominguez. 1,588,711; June 15.
Elevator signal, Casing for an. K. D. Lighthipe. Des. 70,376–7; June 15.
Embroidered fabric. W. Schmid. Des. 70,388; June 15.
End gate. C. Poison. 1,588,493; June 15.
Engine: *See*—
Internal-combustion engine. Rotary gas engines.
Engine balancer. A. B. Gilbert. 1,588,720; June 15.
Engine starter. E. R. Huntley. 1,588,423; June 15.
Engines and the like, Atomizer for internal-combustion. P. L. Scott. 1,589,242; June 15.
Engines, Apparatus for indicating the cycles of internal-combustion. A. J. Carr. 1,589,111; June 15.
Engines, Automatic auxiliary air valve for internal-combustion. J. B. West. 1,588,924; June 15.
Engines, Means for controlling the flow of mixture to internal-combustion. A. D. Chandler. 1,588,445; June 15.
Engines, Oil trap for rotary. J. Sturrock. 1,589,264; June 15.
Engines, Preparing fuel for internal-combustion. P. L. Scott. 1,589,246; June 15.
Envelope. C. W. Curtis. 1,588,875; June 15.
Envelope. J. C. Schilke. 1,589,234; June 15.
Envelope and receipt, Pay. R. E. Clement. 1,589,293; June 15.
Envelope machine. L. E. La Bombard and M. H. Sidebotham. 1,588,844; June 15.
Envelope opener. E. Wood. 1,588,829; June 15.
Equalizing means. G. C. Fricke. 1,588,670; June 15.
Expansion connecter. A. W. Thompson. 1,588,556; June 15.
Explosive mixture. A. E. Scott. 1,589,237; June 15.
Eye protector. E. L. Schumacher. 1,588,775; June 15.
Eyeglasses, Attachment for. H. M. Orriss. 1,588,685; June 15.
Fabric: *See*—
Metal fabric.
Fastening device. C. W. Cell. 1,589,049; June 15.
Fastening means. A. Fondo. 1,589,063; June 15.
Faucet. J. W. Kenyon. 1,589,178; June 15.
Feed-gauge pin. C. R. Brooks. 1,588,700; June 15.
Felt, Apparatus for and method of impregnating. H. C. Koch. 1,588,748; June 15.
Filing device. W. L. Dinsmoor. 1,588,947; June 15.
Film reel, Endless-. L. A. Wilson. 1,588,866; June 15.
Filtering apparatus. T. Fröhlich. 1,588,402; June 15.
Fish lure. W. Stanley. 1,589,258; June 15.
Fishing lure. H. G. Gere and E. A. Carpenter. 1,589,065; June 15.
Flash light. C. Osean. 1,588,464; June 15.
Flash light. L. J. Voorhees. 1,588,428; June 15.
Flexible coupling. S. Jencick. 1,588,424; June 15.
Floor brush and mop, Combined. A. J. Smiechewicz. 1,588,253; June 15.
Floor grating. P. L. Price. Des. 70,382; June 15.
Floor polisher. J. F. Clark. 1,588,943; June 15.
Flour sifter. J. W. Woodford. 1,588,830; June 15.
Fluid heater. M. H. Shoenberg and L. Schon. 1,588,776; June 15.
Fluid-pressure regulator. J. C. Groble. 1,588,411; June 15.
Flywheel, Equalizer. F. T. Maleckl. 1,588,795; June 15.
Folding chair, Portable. G. Grunwald. 1,588,575; June 15.
Folding seat. E. H. Belden. 1,588,692; June 15.
Folding table. F. C. Lewis. 1,588,759–60; June 15.
Foot, Artificial. A. E. Gaines. 1,588,403; June 15.
Frame: *See*—
Poultry-sticking and bleeding frame. Reclining frame.
Spectacle frame.
Frames, Brace for heddle. C. C. Russell. 1,588,811; June 15.
Frames, Elevating and depressing device for implement. J. Priesnitz. 1,589,221; June 15.
Frames, Machine for fastening spring strips to construction. W. S. Costigan. 1,589,116; June 15.
Fuel burner, Liquid-. L. A. Cocklin. 1,589,052; June 15.
Furnace: *See*—
Electric furnace. Electric induction furnace.
Furnace humidifier. J. P. Kolin. 1,588,460; June 15.
Furniture unit, Built-in. J. Huddleston. 1,589,006; June 15.
Fuse, Renewable. P. A. Savoy. 1,588,621; June 15.
Galvanic battery. R. Oppenheim. 1,588,608; June 15.
Gambrels and the like, Support for. J. S. Harris. 1,588,454; June 15.
Game. L. R. Boyd and M. M. Corby. 1,588,698; June 15.
Game. H. N. Massey. 1,588,766; June 15.
Game apparatus. J. T. Hill. 1,589,312; June 15.
Game apparatus. C. G. A. Rosen. 1,588,618; June 15.
Garden implement. L. A. Willis. 1,588,927; June 15.
Garden-implement attachment. J. McCarty. 1,589,196; June 15.
Garment hanger. H. Nygren. 1,589,213; June 15.
Garment holder. R. S. Scott. 1,588,626; June 15.
Garter. R. S. Scott. 1,588,625; June 15.
Gas burner. H. H. Dodge. 1,588,792; June 15.
Gas engine, Rotary. W. S. Sullivan. 1,588,632; June 15.
Gas trap and flow tank. J. P. Walker. 1,588,861; June 15.
Gasket. C. B. Bailey. 1,589,040; June 15.
Gasket. C. B. Bailey. 1,589,171; June 15.
Gate: *See*—
End gate. Railway-crossing gate.
Gauge: *See*—
Level gauge.
Gear-lapping machine. L. A. Carter. 1,589,310; June 15.
Gear puller. E. G. Livesay. 1,589,187; June 15.
Gear-shift levers, Lock for. J. H. Shaw. 1,589,250; June 15.
Gear-testing apparatus. C. J. Harter. 1,588,963; June 15.
Gears, Generating. N. Trbojevich. 1,588,560; June 15.
Gem. E. L. Weed. Des. 70,393; June 15.
Glareshield. E. R. Gingrich. 1,588,673; June 15.
Glass articles, Making mold-blown. T. A. Nilan. 1,588,852; June 15.
Glass, Feeding molten. K. E. Peller. 1,589,304; June 15.
Glass from glass furnaces, Removal of. H. Severin. 1,589,337; June 15.
Glass-mirror making, Silver-. W. S. Wear. 1,588,510; June 15.
Glasses, Frame construction for magnifying. L. W. Bugbee. 1,588,442; June 15.
Glassware, Apparatus for annealing. V. Mulholland. 1,588,603; June 15.
Glassware, Apparatus for annealing. K. E. Peller. 1,588,906; June 15.
Glove, Baseball. J. Kabat. 1,588,426; June 15.
Glove, Swimming. F. C. Webb. 1,588,635; June 15.
Goblet. E. M. Bottome. Des. 70,356; June 15.
Goblet. F. D. Greenan. Des. 70,366; June 15.
Goggles. R. Malcom. 1,589,190; June 15.
Golf clubs and the like, Shaft for. A. E. Lard. 1,589,297; June 15.
Golf tee. W. S. Silicocks. 1,588,815; June 15.
Grave covering. R. H. Wakeman. 1,588,430; June 15.
Grease cup. G. C. Groeneveld. 1,589,147; June 15.
Grid leak. Q. A. Brackett. 1,588,519; June 15.
Grinding machine. G. W. Binns and W. D. Archea. 1,589,043; June 15.
Grinding machine, Automatic piston-ring-. C. E. Johnson. 1,588,739; June 15.
Grinding machine, Gear-. G. Wirrer. 1,588,928; June 15.
Grinding mill. K. Middelboe. 1,589,302; June 15.
Grouser. O. A. Harkness. 1,588,549; June 15.
Gun with exchangeable barrel, Machine. W. C. L. Haubroe. 1,588,887; June 15.
Guns and the like, Drum-shaped cartridge magazine for machine. W. C. L. Haubroe. 1,588,888; June 15.
Guns, bomb droppers and the like for use on ships and other moving platforms, Sight for. J. B. Henderson. 1,588,682; June 15.
Gyroscopic apparatus. H. Anschutz-Kaempfe. 1,589,039; June 15.

Hair clipper, Electric. L. J. Wahl. 1,589,027; June 15.
Hair curling and waving device. A. H. Sexton. 1,589,248; June 15.
Hair-cutting device. B. Aasen and A. Aasen. 1,589,037; June 15.
Hair-waving device. W. Leunis. 1,589,183; June 15.
Hammer tool, Reciprocatory. F. A. Jimerson. 1,589,295; June 15.
Handkerchief package, Novelty. E. P. Goldsmith. 1,588,548; June 15.
Hanger: *See*—
Garment hanger. Shackle hanger.
Hanger. D. S. Sellers. 1,588,628; June 15.
Harness fitting and anchorage. B. Kugler. 1,588,592; June 15.
Harvester, Cotton. G. B. Rodgers. 1,589,340; June 15.
Harvesters, Front truck for corn. J. Roupp. 1,588,909; June 15.
Hatrack. E. L. Snyder. 1,588,777; June 15.
Headdress. R. W. Lithgow. 1,589,185; June 15.
Headlamp construction. C. E. Godley. 1,589,143; June 15.
Headlight-controlling device. E. M. Bailey. 1,589,089; June 15.
Headlight-dimmer attachment. E. L. Jaworek. 1,588,738; June 15.
Headlight, Dirigible. W. J. Roth. 1,588,809; June 15.
Headlight, Movable. H. B. Page. 1,589,216; June 15.
Headlight, Vehicle. C. R. Kruger. 1,588,591; June 15.
Heat from vapor, gases, and the like, Apparatus for recovering. E. L. Hogan and G. S. Witham, jr. 1,588,833; June 15.
Heat, Method of and apparatus for transferring. H. F. Smith. 1,588,629; June 15.
Heater: *See*—
Curling-iron heater. Fluid heater.
Electric heater.
Heater. G. J. Mead and G. L. Mather. 1,588,979; June 15.
Heater. J. R. Sandage. 1,588,812; June 15.
Heating apparatus. C. B. Klaus. 1,588,587; June 15.
Heating system. E. Kluegel. 1,588,746; June 15.
Heating unit, Sheathed. F. Thornton, jr. 1,588,558; June 15.
Heel blanks with washers, Machine for loading rubber. V. R. Lawson and J. J. Batterman. 1,588,593–4; June 15.
Heel for shoes, Detachable. M. Mayorowitz. 1,588,684; June 15.
Hinge arrangement for folding screens. H. B. Cranshaw. 1,588,529; June 15.
Hoist, Skip. A. C. Rasmussen. 1,588,994; June 15.
Hoists, Head frame for mast. C. G. Schmid. 1,588,998; June 15.
Horseshoe. M. Shay. 1,588,912; June 15.
Hospital lift for invalids. S. C. Edmiston. 1,588,573; June 15.
Humidifier. C. C. Sprinkle. 1,588,551; June 15.
Humidifier attachment. O. P. Nystrom. 1,588,491; June 15.
Humidifying and air-purifying apparatus. J. E. Hamacheck. 1,589,072; June 15.
Hydraulic jack, Portable. L. T. Kimmerle and D. S. Kimmerle. 1,588,966; June 15.
Hydraulic separating mechanism. J. B. Arpin. 1,588,689; June 15.
Hydrocarbons, Partially-oxidizing gaseous. J. H. James. 1,588,836; June 15.
Hydrogen, Producing. C. C. Van Nuys. 1,588,860; June 15.
Ice chest, Vacuum. A. Csiga. 1,588,707; June 15.
Ice-cream dipper. H. A. Hardy. 1,588,413; June 15.
Ice-cream dipper. F. N. Martin. 1,588,599; June 15.
Ice-making apparatus. R. G. Whisler. 1,588,925; June 15.
Ice plants, Method of and apparatus for feeding precooled water to. T. Shipley. 1,588,913; June 15.
Ignition lock, Safety. W. B. Nutting. 1,588,984; June 15.
Illuminated star. A. Ludwig. 1,589,018; June 15.
Illuminator. O. A. Hug. 1,588,891; June 15.
Index device, Card-. J. H. Rand, jr. 1,589,225; June 15.
Inking mechanism. J. J. Hailliwell. 1,589,148; June 15.
Insect destroyer. L. M. Harlan. 1,589,151; June 15.
Insulated steel structure. H. C. Brunnel. 1,588,655; June 15.
Insulator for battery plates. R. B. Owen. 1,588,802; June 15.
Interfolding machine. W. H. Cannard and G. A. Shaffer. 1,588,524; June 15.
Internal-combustion engine. R. Laughlin. 1,588,755; June 15.
Iron: *See*—
Curling iron.
Iron ore material, Utilizing low-grade. H. H. Hindshaw. 1,588,420; June 15.
Ironing-board attachment. C. E. Yates and F. E. Kasten. 1,589,284; June 15.
Ironing machine. B. C. Baum. 1,589,042; June 15.
Jack: *See*—
Hydraulic jack. Screw jack.
Lifting jack.
Jar. C. C. Brant. Des. 70,358; June 15.
Joint: *See*—
Metal joint. Rail joint.
Pipe joint.
Joints, Corner protection for expansion. A. C. Fischer. 1,588,718; June 15.
Joints, Crowning strip for expansion. A. C. Fischer. 1,588,717; June 15.
Journal-box hub liner. J. Kiely. 1,589,179; June 15.
Knitting machine. J. C. Kane. 1,589,290; June 15.
Knitting machine. F. G. Shelain. 1,588,501; June 15.
Knitting machines, Yarn-furnishing means for. K. Howie. 1,589,313; June 15.
Label and prescription blank, Combined. J. B. Hutchins. 1,588,964; June 15.
Lace. M. H. Daudy. 1,589,123; June 15.
Lamp arm, Bridge-. N. A. Levitan. Des. 70,374–5; June 15.
Lamp cases, Lens mounting for. E. G. Anderson. 1,588,436; June 15.
Lamp, Dirigible. W. A. Cannon. 1,588,702; June 15.
Lamp-door fastening. C. E. Godley. 1,589,144; June 15.
Lamp-door lock. C. E. Godley. 1,589,142; June 15.
Lamp for motor vehicles. C. Doering and H. H. Doering. 1,589,128; June 15.
Lamp holder for caps. G. S. Clark. 1,588,472; June 15.
Lamp, Motor-vehicle. C. Doering and H. H. Doering. 1,589,129; June 15.
Lamp shade, Bed-. H. Rogovin. Des. 70,383–4; June 15.
Lamps, Socket for incandescent. R. Hitchcock. 1,589,164; June 15.
Lamps, Transformer for mercury-vapor. H. Busse. 1,588,571; June 15.
Landing flare, Emergency-. S. Wiley. 1,588,639; June 15.
Landing flare, Emergency-. S. Wiley. 1,589,277; June 15.
Lantern or article of similar nature. I. Rosenblatt. Des. 70,385–7; June 15.
Last. E. Siebert, née Ruprich, and M. and A. Seibert. 1,588,911; June 15.
Lasting machine. C. B. Spalsbury. 1,588,916; June 15.
Latch. M. A. Possons. 1,589,220; June 15.
Latch, Door. W. C. Devereaux. 1,588,946; June 15.
Latch, Door. C. S. McCarthy. 1,588,899; June 15.
Laundry net. W. Boehm. 1,588,695; June 15.
Lawn edger. F. Bishop. 1,588,694; June 15.
Leather, Bleaching sole. J. Raisor. 1,588,686; June 15.
Lens-grinding apparatus. C. A. Adams. 1,588,435; June 15.
Lens, Ophthalmic. E. D. Tillyer. 1,588,559; June 15.
Lens, Ophthalmic. E. D. Tillyer. 1,588,783; June 15.
Lenses, Producing ophthalmic. H. R. Moulton. 1,588,768; June 15.
Letter plates, Making glass. R. F. Hancock. 1,588,680; June 15.
Levers on edgers, Adjustable stop for. J. F. McCarroll. 1,589,197; June 15.
Life-saving buoy, Bather's. W. Moore. 1,588,798; June 15.
Lifting jack. A. C. Hopkins. 1,589,167; June 15.
Lifting jack, Hydraulic. H. Dörnenburg. 1,589,333; June 15.
Light: *See*—
Flash light. Theater-seat light.
Light construction, Signal. T. C. Browne. 1,588,522; June 15.
Lighting-fixture body or analogous article. T. Holzhalb. Des. 70,367; June 15.
Line holder. C. P. Syrstad. 1,588,917; June 15.
Lingerie clasp. C. F. A. Robb. 1,589,228; June 15.
Link, Open or detachable. E. P. Elzey. 1,588,533; June 15.
Linoleum cutter. J. C. Hartman. 1,589,156; June 15.
Linoleum rack. J. E. Miller. 1,589,207; June 15.
Liquid-fuel burner. J. W. Logan. 1,588,763; June 15.
Liquid-fuel burner. C. E. Spigelmire. 1,588,503; June 15.
Liquids, Apparatus for dehydrating. L. A. Zobe. 1,588,929; June 15.
Liquids from containers, Device for withdrawing. E. M. Francis. 1,588,883; June 15.
Liquids from solids, Apparatus for continuously separating. H. C. Behr. 1,589,097; June 15.
Lock: *See*—
Automobile lock. Nut lock.
Combination lock. Steering-column lock.
Ignition lock. Switch-stand lock.
Lamp-door lock. Tire lock.
Lock. H. Spruth. 1,589,256; June 15.
Lock for suitcases or similar articles. A. Goertz. Des. 70,364; June 15.
Locking device, Closure-. F. L. Hanle. 1,589,149; June 15.
Locomotive boilers and supplying water to refill the same, Cleaning. C. W. Sturdevant. 1,588,782; June 15.
Locomotive comprising two cars. F. Ljungström. 1,588,970; June 15.
Locomotives, Diagonal strut for. A. T. Kasley. 1,588,584; June 15.
Loom. A. J. Harris. 1,589,073; June 15.
Loom, Circular. E. G. Loomis. 1,589,189; June 15.
Looms, Box motion for. C. A. Diggins. 1,588,665; June 15.
Looms, Let-off for. F. W. Lane and F. Ramm. 1,589,181; June 15.

Looms, Reverse motion for. E. J. Dacey and A. A. Gordon. 1,588,664; June 15.
Looms, Warp-beam stand for. W. M. Wattie. 1,588,828; June 15.
Looms, Winding device for. J. T. Malloy. 1,589,191; June 15.
Lumber, Moving and storing. R. Z. Drake. 1,588,949; June 15.
Lumber moving and storage means. R. Z. Drake. Re16,261; June 15.
Lumber-unloading mechanism for seasoning houses. R. Z. Drake. 1,588,950; June 15.
Mail-box support. W. Schulte. 1,588,500; June 15.
Mandrel, Expanding. H. S. Waterman. 1,588,787; June 15.
Manicuring instrument. R. H. Goldman. 1,589,339; June 15.
Manifold, Intake. F. C. Mock. 1,588,488; June 15.
Manipulator. E. W. Mikaelson. 1,588,486; June 15.
Map roll, Automobile road-. W. D. Fall. 1,589,136; June 15.
Marker, Grave. J. M. McNeill. 1,589,199; June 15.
Match-book holder. W. H. Colgate. 1,588,448; June 15.
Match-box-stacking device. L. E. Parker. 1,588,903; June 15.
Match container. B. R. Hess. 1,588,729; June 15.
Measuring machine, Pocket cloth-. S. Levy. 1,589,184; June 15.
Meat tenderer. E. Mitchell. 1,589,208; June 15.
Meat wrapper and making same. C. C. Campbell. 1,589,106; June 15.
Metal, Annealing. H. S. Lee. 1,589,013; June 15.
Metal container. W. W. Hodgson. 1,589,165; June 15.
Metal fabric, Expanded-. N. E. Clark. 1,588,661; June 15.
Metal, Friction. J. G. Leonard. 1,588,757; June 15.
Metal joint. L. V. Middlesworth. 1,589,205; June 15.
Metal pulley, Sheet-. H. G. Carlson. 1,589,291; June 15.
Metal receptacle, Sheet-. C. G. Carlson. 1,589,109; June 15.
Metal sheets and bars, Apparatus for angular bending or curving of. R. Williamson and W. G. Thomas. 1,588,640; June 15.
Metallic post. J. W. Stalder. 1,589,257; June 15.
Metallurgical process and article. R. D. Pike and G. H. West. 1,588,806; June 15.
Meter: *See*—
Station meter.
Metering system, Electric. H. L. Ingram and G. T. Haltom. 1,588,581; June 15.
Mica and the like, Manufacture of composite. L. McCarthy. 1,588,600; June 15.
Mica product, Laminated. L. E. Barringer and C. F. Peterson. 1,589,094; June 15.
Milk, Treating. T. C. Manchester. 1,589,192; June 15.
Mining. E. O'Toole. 1,588,987; June 15.
Mining and loading apparatus. W. J. Wilson. 1,588,564; June 15.
Mining machine. W. J. Wilson. 1,588,563; June 15.
Mixer. O. E. Merrell. 1,588,901; June 15.
Mixing apparatus. H. Blum. 1,588,693; June 15.
Mold: *See*—
Permanent mold.
Molds, Core centralizer for permanent. H. S. Lee. 1,588,596; June 15.
Mortar, Muzzle-loaded. G. S. Maxwell. 1,589,194; June 15.
Mortising machines, Hydraulic feeding mechanism for. M. Machacek. 1,588,972; June 15.
Motor-control system. M. F. Jones. 1,588,586; June 15.
Motors, Starting attachment for D. C. R. W. Cousins. 1,589,054; June 15.
Mousetrap. H. J. Anderson. 1,589,086; June 15.
Mower, Lawn. E. O. Wilson. 1,589,279; June 15.
Musical instrument. J. J. Westbrook, jr. 1,588,636; June 15.
Musical notes, Device for determining the harmonic relations of. H. Schumann. 1,588,470; June 15.
Nail, Lead-headed. W. M. Brooks. 1,589,047; June 15.
Necktie. J. V. Palmer. 1,588,609; June 15.
Nipple, Nursing. L. A. McGeary. 1,588,846; June 15.
Nozzle, Reed-type spray. P. L. Scott. 1,589,247; June 15.
Nut lock. M. F. Lerch. 1,588,478; June 15.
Oil burner. G. K. Cogswell. 1,588,662; June 15.
Oil burner. J. B. Dalley. 1,588,945; June 15.
Oil burner. H. Strautman and K. Jauch. 1,589,262; June 15.
Oil cup. A. F. Erickson. 1,589,058; June 15.
Oil-level gauge. B. U. Hills. 1,588,889; June 15.
Oils and fats, Refining. F. C. Gephart. 1,588,405; June 15.
Omnibus top. S. M. Curwen. 1,589,122; June 15.
Optical centers of eyes, Device for locating the. I. Fox. 1,588,401; June 15.
Organic material such as rubber upon porous objects of nonconducting material such as fabrics, Electrodepositing. S. L. Sheppard and C. L. Beal. 1,589,325; June 15.
Organic materials on anodes from aqueous emulsions thereof, Electrodeposition of. C. L. Beal and L. W. Eberlin. 1,589,324; June 15.
Organic materials such as rubber and cellulosic compounds, Electrodeposition of. S. E. Sheppard and C. L. Beal. 1,589,326; June 15.
Ore-treating process. E. W. Hale and C. G. Fink. 1,588,679; June 15.
Orificial instrument. H. L. De Zeng. 1,589,172; June 15.
Ornamentation. M. J. Smith. 1,588,915; June 15.
Otoscope. H. L. De Zeng. 1,588,791; June 15.
Oven, Baker's. J. F. Novak. 1,588,983; June 15.
Oven, Drying and enameling. A. Maehler. 1,588,973; June 15.
Ozone, Electrical apparatus for generating. J. McBlain. 1,588,976; June 15.
Packaging material, Method of and apparatus for. A. M. Bates. 1,588,647; June 15.
Packing-gland mechanism. A. Hollander. 1,588,734; June 15.
Pad: *See*—
Therapeutic pad.
Paint and varnish remover. C. M. Piper. 1,589,219; June 15.
Paint, Waterproof and fireproof. D. L. Long. 1,589,188; June 15.
Pan lifter. H. C. Sallac. 1,588,774; June 15.
Paperboard machine. J. H. Greenstreet. 1,588,452; June 15.
Paper-box machine. H. A. and W. H. Inman. 1,589,078; June 15.
Paper, Machine for washing sheets of. F. C. King. 1,589,007; June 15.
Paper, Making. W. S. Crandell. 1,589,120; June 15.
Paper-making machines, Cylinder mold for. W. S. Crandell. 1,589,119; June 15.
Paper-making machines, Driving mechanism for. B. A. Malkin. 1,588,796; June 15.
Paper package. F. H. Hoberg. 1,588,733; June 15.
Parachute, Parcel. J. H. Ellingsworth. 1,588,713; June 15.
Paving and flooring block or slab, Rubber. W. A. Williams. 1,588,926; June 15.
Pencil. W. D. Steffan, F. B. Ackermann, and W. J. Greiner. 1,589,260; June 15.
Pencil, Magazine. W. C. Steffan, F. B. Ackermann, and W. J. Greiner. 1,589,261; June 15.
Permanent mold. H. S. Lee. 1,589,014; June 15.
Pharmaceutical product. H. Langer. 1,588,753; June 15.
Pharmaceutical product, Manufacture of a. A. Thiele. 1,588,554; June 15.
Phonographs, Radio and tone-arm attachment for. A. W. Cothey. 1,589,053; June 15.
Phosphate material, Treating. H. Blumenberg, jr. 1,588,651; June 15.
Photo-electric apparatus. R. Hart. 1,588,886; June 15.
Photographic film. G. G. Wolk. 1,588,869; June 15.
Photographic means for recording sound. R. Hart. 1,588,884; June 15.
Photographic triplet. R. Richter. 1,588,612; June 15.
Piano sounding-board bridge. C. S. Weber. 1,588,788; June 15.
Pianos, Banjo attachment for. P. Wiggen. 1,589,032; June 15.
Picker stick. E. McGraw. 1,588,601; June 15.
Picture and sound recording and reproducing apparatus, Combined motion-. E. H. Foley. 1,589,139; June 15.
Picture apparatus, Moving-. A. D. Brixey. 1,588,935; June 15.
Pile, Sheet-. L. B. Langworthy. 1,588,754; June 15.
Pin: *See*—
Feed-gauge pin. Safety pin.
Pins, Apparatus for carding safety. E. H. Webb. 1,588,431; June 15.
Pins, etc., Package of safety. E. H. Webb. 1,588,432; June 15.
Pins, Machine for carding safety. H. M. Gleason. 1,588,409; June 15.
Pipe cleaner. G. Hurd. 1,588,737; June 15.
Pipe-cleaning apparatus. J. M. Thompson and W. H. Thompson. 1,588,557; June 15.
Pipe joint. H. Y. Carson. 1,588,444; June 15.
Pipette. L. E. Drummond. 1,589,056; June 15.
Piston. P. F. Godstrey and J. W. Whiteside. 1,589,069. June 15.
Piston vise. D. A. and G. L. Anderson. 1,589,085; June 15.
Pitch propeller, Variable-. S. Heath. 1,589,174; June 15.
Pivot mounting. E. G. Thomas. 1,588,555; June 15.
Pivot retainer. H. W. Hem. 1,588,455; June 15.
Planters or fertilizer distributors, Combination middle-breaker and cultivator attachment for. J. B. Drew. 1,588,400; June 15.
Plate. E. M. Bottome. Des. 70,357; June 15.
Plate clamp, Fish. G. J. D. Trethewey. 1,588,509; June 15.
Plate or similar article. S. E. Thompson. Des. 70,392; June 15.
Plier wrench. P. F. King. 1,588,475; June 15.
Plow and tractor attachment. J. W. Wilson. 1,589,033; June 15.
Pole and mast support. J. Wasserberger. 1,589,028; June 15.
Poles, Step for. E. Wismer. 1,588,566; June 15.
Porous powder impermeable to liquids, Rendering a. R. Oppenheim. 1,588,607; June 15.
Portable stand. L. O. Finch. 1,589,137; June 15.
Post: *See*—
Metallic post.
Posthole borer. A. Meunier. 1,589,300; June 15.

Potassium ferricyanide, Making. G. Barsky. 1,589,041; June 15.
Poultry sticking and bleeding frame. C. Boch. 1,589,100; June 15.
Powder dispenser. H. C. Karlson. 1,589,318; June 15.
Powder-producing system. A. W. Bennis. 1,588,568; June 15.
Power-conserving device. W. E. Day. 1,589,125; June 15.
Power-take-off mechanism. E. R. Barrett. 1,589,093; June 15.
Power transmission, Fluid-. R. E. Schley. 1,588,996; June 15.
Power-transmission mechanism. A. H. Midgley. 1,588,602; June 15.
Power Unit, Portable. R. B. Fisher and M. J. Harkless. 1,588,537; June 15.
Preserving perishable substances, Apparatus for. C. D. Ordway. 1,589,215; June 15.
Press: *See*—
Trousers press.
Press leaves, Machine for making filter-. L. L. Edmunds. 1,588,953; June 15.
Pressure apparatus, Combustion. R. Hart. 1,588,885; June 15.
Pressure effects into equivalent electrical effects, Device for converting. A. Frisch. 1,588,544; June 15.
Price tag. M. S. Landon. 1,588,751; June 15.
Printing die. H. R. Wade and L. M. Harley. 1,589,024; June 15.
Printing of fabrics and articles. C. Dreyfus. 1,588,951; June 15.
Printing machines, Automatic feeding mechanism for sheet-. A. B. Evans. 1,588,535; June 15.
Printing machines, Selective control mechanism for. J. F. Sturrock. 1,589,021; June 15.
Printing surface by complementary light, Making a contact transfer. R. John. 1,588,425; June 15.
Propeller. F. Dure. 1,588,952; June 15.
Propeller. O. Ohlson. 1,588,986; June 15.
Protective cover. G. A. Nilson. 1,588,799; June 15.
Puller: *See*—
Wheel puller.
Puller. R. W. Lee. 1,589,015; June 15.
Pulverized materials, Container for. A. E. Layton. 1,589,012; June 15.
Pump. C. Bouché. 1,589,044; June 15.
Pump, Air-lift. R. H. Tucker. 1,588,561; June 15.
Pump for oil wells. R. H. Cope and R. May. 1,588,705; June 15.
Pump, Liquid-dispensing. R. E. Wilson. 1,589,025; June 15.
Pumps, Making. P. L. Scott. 1,589,240; June 15.
Punch. O. Deveault. 1,589,127; June 15.
Puzzle. A. Sendek, jr. 1,589,305; June 15.
Rack: *See*—
Display rack. Linoleum rack.
Rack. C. T. Hatch, jr. 1,589,157; June 15.
Racks or trays, Connecter for ventilating. E. A. Downey. 1,588,948; June 15.
Radiator. A. Lamblin. 1,588,845; June 15.
Radiator cap. W. Schnell. Des. 70,389; June 15.
Radiocabinet. P. Makray. Des. 70,378; June 15.
Radiocabinet. J. Wolff. Des. 70,395; June 15.
Radiocabinet, Console. H. G. Blomgren. Des. 70,355; June 15.
Radiocabinet, Console. C. B. Smith. Des. 70,390; June 15.
Radiocondenser. J. B. Kirby and H. S. Scott. 1,589,008; June 15.
Radiofrequency apparatus. J. A. Victoreen. 1,589,308; June 15.
Radio loud speaker and lamp, Combined. W. H. Leslie. Des. 70,373; June 15.
Radioswitch. A. F. Knoop. 1,589,180; June 15.
Radius rods, Nonmetallic connection for. A. H. Leipert. 1,588,968; June 15.
Rail-connecting plate. S. Sorensen. 1,588,779; June 15.
Rail joint. C. E. Carter. 1,588,939; June 15.
Rail-joint fastening, Automatic. M. Betke. 1,589,098; June 15.
Rail joints, Expansion shim for. H. McDonald. 1,588,485; June 15.
Railway-crossing gate. A. Lebreton and E. Talbot. 1,588,895; June 15.
Railway switch, Street-. R. B. Woodall. 1,589,282; June 15.
Railway-track construction. M. A. Nyberg. 1,588,985; June 15.
Rake and hay baler, Combined hay. E. H. Haney. 1,588,681; June 15.
Rattle. K. Hasenstein. 1,589,075; June 15.
Razor blades, Case for safety-. W. H. Wells. 1,588,923; June 15.
Reactance. S. I. Oesterreicher. 1,589,214; June 15.
Receptacle, Fruit-picker's. H. S. Hooper. 1,589,077; June 15.
Receptacle, Waterproof. W. W. Harris. 1,589,074; June 15.
Receptacles, Cap for. F. A. Brown. 1,588,652; June 15.
Receptacles, Sifter top for. C. J. Aulbach. 1,588,870; June 15.
Reclining frame. J. L. Connor. 1,589,114; June 15.
Reflector. N. Lang. Des. 70,372; June 15.
Reflector, Show-case. L. Erikson. 1,588,880; June 15.
Refrigerated show case. W. Munch. 1,589,322; June 15.
Refrigerating cabinet. R. W. Gearhart. 1,589,064; June 15.
Refrigerating system. F. Wittenmeier. 1,589,281; June 15.
Refrigerating unit. C. F. Geiger and F. C. Geiler. 1,588,958; June 15.
Refrigerator. J. M. Short. 1,589,306; June 15.
Refuse receiver, Automatic. W. L. Allen. 1,588,688; June 15.
Register: *See*—
Autographic register.
Registering mechanism, Variable sheet-. E. W. Goodwin. 1,589,070; June 15.
Regulator: *See*—
Fluid-pressure regulator. Water-supply regulator.
Regulator system. H. W. Smith and F. M. Billhimer. 1,588,631; June 15.
Relay. R. W. Cousins. 1,589,055; June 15.
Remedy for skin blemishes. J. A. Wade. 1,588,826; June 15.
Resilient wheel. H. C. Lord. 1,588,480–1; June 15.
Restraining device. D. E. Regap and J. G. Martin. 1,589,226; June 15.
Retort. F. Pavelik. 1,589,217; June 15.
Rheostat. W. W. Wood. 1,589,034; June 15.
Rim, Sectional. E. W. Gilpatrick. 1,588,672; June 15.
Rimming machine. J. C. Fox. 1,588,542; June 15.
Rivet-slotting machine. A. R. Havener. 1,588,576; June 15.
Road machine. F. R. Jones. 1,588,837; June 15.
Road marker and mail-box support, Combined. J. G. Evans. 1,588,714; June 15.
Roof. A. B. Fosseen. 1,588,540; June 15.
Rowlock. P. G. Bamberger. 1,589,090; June 15.
Rubber and a cellulosic compound, Aqueous emulsion containing electrodepositable. S. E. Sheppard and L. W. Eberlin. 1,589,330; June 15.
Rubber and a cellulosic compound, Electrodeposition of coatings comprising. S. E. Sheppard and L. W. Eberlin. 1,589,332; June 15.
Rubber and sulphur, Aqueous emulsion of unvulcanized. S. E. Sheppard and L. W. Eberlin. 1,589,331; June 15.
Rubber sheets, Manufacturing. T. J. Mell. 1,588,797; June 15.
Rubber upon a metal wire, Electrodepositing. S. E. Sheppard and L. W. Eberlin. 1,589,329; June 15.
Rudder, Balance. E. Kimelsen. 1,589,334; June 15.
Rug-rack holder. J. L. Livzey. 1,588,762; June 15.
Safety pin. J. J. Kramer. 1,588,967; June 15.
Sanders, Control device for. L. C. Josephs. 1,588,965; June 15.
Sash opener, Storm-. J. N. Peaslee. 1,588,805; June 15.
Saw benches, Gauge for cut-off. F. H. Weeks. 1,589,276; June 15.
Saw, Hand power. J. K. Keane. 1,588,744; June 15.
Saw, Motor-operated drag. G. Humiston and W. Humiston. 1,588,892; June 15.
Saw, Surgical. H. Dennis. 1,588,531; June 15.
Sawing apparatus, Portable power wood-. C. O. Rogers. 1,588,616; June 15.
Sawing outfit. A. J. Lemmer. 1,588,969; June 15.
Sawmill carriages, Setting device for. C. T. Wynne. 1,589,283; June 15.
Scale. J. C. Mathews. 1,588,975; June 15.
Scale, Weighing. C. H. Hapgood. 1,588,453; June 15.
Scale, Weighing. H. O. Hem. 1,588,456; June 15.
Scale, Weighing. C. O. Marshall. 1,588,462; June 15.
Scales, Moving and turning attachment for portable platform. T. F. Hickey. 1,588,419; June 15.
Scoop cleaner. T. K. White. 1,588,638; June 15.
Screen: *See*—
Window screen.
Screen and ventilator. A. R. Hinkle. 1,589,163; June 15.
Screw jack, Self-lowering. F. H. Schwerin. 1,589,000; June 15.
Seal, Liquid and mechanical. R. E. Wilson. 1,589,026; June 15.
Sealing device, Box-. W. W. Wadsworth. 1,588,922; June 15.
Sealing material. H. M. E. Heinicke. 1,588,725; June 15.
Seat: *See*—
Folding seat.
Seat construction, Spring-. H. A. Wagner. 1,588,786; June 15.
Setworks. M. E. Wright and A. M. Braden. 1,588,642; June 15.
Sewing machines, Cutter attachment for-. H. Jacovitz. 1,589,314; June 15.
Shackle hanger. H. E. Curtis. 1,589,121; June 15.
Shades and curtains, Combination adjustable hanger for window. H. D. Lukenbill and E. A. Crowl. 1,588,971; June 15.
Shaft. T. E. Murray. 1,588,850; June 15.
Shaft handpiece, Flexible. J. F. Keller and A. B. Bachmann. 1,588,839; June 15.
Shaving kit. W. H. C. Taylor. 1,588,633; June 15.
Shears. C. E. Norton. 1,588,982; June 15.
Sheet piling. L. B. Langworthy. 1,589,011; June 15.
Shock absorber. B. S. Stutts and C. Roberts. 1,589,265; June 15.
Shocking machine. T. Wadge and B. J. Desmond. 1,588,827; June 15.

Shoe and shoemaking. W. B. May. 1,589,195; June 15.
Shoe or similar article. T. Davis. Des. 70,360; June 15.
Shoe-polishing machine. H. G. Hoops. 1,588,735; June 15.
Shoe-repair stand. H. Harris. 1,589,154; June 15.
Shoes, Mechanism for forming hinges of lasts for. G. Clauding. 1,588,703; June 15.
Sign. C. W. Smith. 1,589,254; June 15.
Sign and price card, Changeable. S. Weiss. 1,588,864; June 15.
Sign controller. M. Yokoyama. 1,588,831; June 15.
Signaling mechanism, Spring motor for. H. E. Reeve. 1,588,496; June 15.
Signaling system. A. A. Clokey. 1,588,527; June 15.
Signaling system. H. W. O'Neill. 1,588,492; June 15.
Signaling system, Electric. W. D. Hähnle. 1,589,071; June 15.
Skates, Extension roller. J. S. Gravely. 1,588,670; June 15.
Sled. F. J. Caronia. 1,589,110; June 15.
Slicer, Bread. J. Whiting. 1,589,030; June 15.
Slot-closing device. F. E. Colbert. 1,588,447; June 15.
Snap switch, Pressure-operated. M. D. Dominguez. 1,588,710; June 15.
Snowplow. A. T. Kear and A. A. Fulwider. 1,588,745; June 15.
Soap holder. A. K. Matthews. Des. 70,381; June 15.
Socket, Keyless. C. S. Mallett. 1,589,298; June 15.
Sound recording and reproducing device. E. E. Cothran. 1,588,706; June 15.
Sound-reproducing apparatus, Automatic stop device for. J. C. McPhail. 1,588,978; June 15.
Sound-reproducing machines, Automatic stop and brake mechanism for. J. C. McPhail. 1,588,977; June 15.
Spark plug. A. R. Mosier. 1,588,489; June 15.
Sparkler, Reflecting. L. V. Aronson. 1,589,087; June 15.
Spectacle frame. S. J. Clulee. 1,589,051; June 15.
Spectacle mountings, Hinge for. J. R. Powell and W. Bausch. 1,588,807; June 15.
Spinning machinery, Driving of drawing rollers in. E. J. Welffens. 1,588,865; June 15.
Spinning solutions, Apparatus for use in the working up of. O. Leuchs and E. Hilbert. 1,588,758; June 15.
Sponge-rubber sheet. T. W. Miller. 1,588,487; June 15.
Spool and like article and producing them, Composite. D. S. Kendall. 1,589,177; June 15.
Spring: *See*—
Cushion spring.
Spring-gripping device. Z. Bezkorowajnyj. 1,588,471; June 15.
Spring-retracted switch. G. G. Meade. 1,589,200; June 15.
Springs, Antifriction device for. E. G. Ackerman and C. F. Ernst. 1,588,434; June 15.
Square, Steel. H. A. Harrison. 1,588,962; June 15.
Stacker, Freight. J. R. Merrifield. 1,589,203; June 15.
Stamping machine. J. Gouldbourn and F. B. Keall. 1,588,410; June 15.
Stand: *See*—
Portable stand.
Stapling machine. F. Polzer. 1,588,590; June 15.
Station meter, Oil-stop. J. Favata, jr. 1,588,715; June 15.
Steam trap. W. Telfer. 1,588,919; June 15.
Steering-column lock. L. J. Hugues. 1,589,169; June 15.
Steering device. A. A. Rietzke. 1,588,497; June 15.
Steering-knuckle-bushing remover. A. W. Richter. 1,588,687; June 15.
Stills, Electric insulator for high-pressure. W. C. Parrish. 1,588,804; June 15.
Stitch remover. H. Harris. 1,589,153; June 15.
Stocking ornament. H. Hedison. 1,589,158; June 15.
Stone, Making artificial. A. Herscovitch. 1,588,728; June 15.
Storage battery. E. Gregg. 1,588,959; June 15.
Storage-battery construction. A. M. Small. 1,588,502; June 15.
Storage-battery separator and process of manufacture. H. W. Nordyke. 1,589,212; June 15.
Store, Gas. H. Honer. 1,589,166; June 15.
Stoves, Safety attachment for gas. L. Horwath. 1,588,890; June 15.
Sulphur dioxide from gases with which it may be associated and apparatus therefor, Recovering. A. H. Eustis. 1,589,133; June 15.
Sulphur phenol resins and making same. A. Blumfeldt. 1,588,439; June 15.
Superheater, Steam. J. G. Robinson and R. A. Thom. 1,589,355; June 15.
Switch: *See*—
Electric switch. Snap switch.
Railway switch. Spring-retracted switch.
Switch. E. R. Barnny. 1,588,515; June 15.
Switch. A. M. Truitt. 1,588,467; June 15.
Switch mechanism. L. J. Wick. 1,589,031; June 15.
Switch-stand lock. S. S. Knifong, R. L. Matthews, O. Heitschmidt, A. J. Wood, and M. Loftus. 1,588,747; June 15.
Syringe. H. Brix. 1,589,046; June 15.
Table: *See*—
Folding table.
Table. H. L. Smith. 1,588,914; June 15.
Tank: *See*—
Acetylene tank.

Tanks, Antifreeze fluid control for storage. J. P. Walker. 1,588,863; June 15.
Tanks, Hatch for fluid-storage. J. P. Walker. 1,588,862; June 15.
Tapelike bodies, Container and dispensing device for. I. Heifler. 1,588,577; June 15.
Teeth, Upper plate of a set of artificial. P. Hanke. 1,589,173; June 15.
Telegraph system. S. I. Cory. 1,588,450; June 15.
Telegraphy, Multiplex. R. V. L. Hartley. 1,588,416; June 15.
Telemeter. O. Eppenstein. 1,589,132; June 15.
Telephone, Loud-speaking. G. Selbt. 1,588,627; June 15.
Telephone receiver. L. R. Golladay. 1,588,547; June 15.
Telephone-receiver protector. J. A. Dominguez. 1,589,130; June 15.
Telephone system. R. S. Bailey. 1,588,437; June 15.
Telephone system. F. Lubberger. 1,588,764; June 15.
Telephones, Illuminating device for. F. L. Peyton. 1,588,770; June 15.
Testing device. C. L. Fortescue. 1,588,539; June 15.
Testing apparatus or course. S. P. Thacher. 1,588,505; June 15.
Textile fabric. C. Edlich. Des. 70,362; June 15.
Theater-seat light. B. M. McConnell. 1,589,320; June 15.
Theater-seat light. B. M. McConnell and W. Friend. 1,589,321; June 15.
Therapeutic pad, Ultra-red. G. S. White. 1,589,338; June 15.
Thermal cut-out. J. D. Hilliard. 1,589,161; June 15.
Thermometer case. G. H. Faichney. 1,589,135; June 15.
Thermometer, Compound. J. M. Fusca. 1,589,294; June 15.
Thrashing machine. C. E. White. 1,588,637; June 15.
Thread cutter and clamp, Combined. G. Hattoy. 1,588,724; June 15.
Throw-off reel. P. Catucci. 1,588,873; June 15.
Tie plate. S. Sorensen. 1,588,778; June 15.
Tillage implements, Marker attachment for. M. E. Bramlett, and E. P. and V. S. Sladek. 1,589,101; June 15.
Timer and distributor, Combined. C. F. Gilchrist and H. R. Patterson. 1,588,546; June 15.
Tire. A. E. Jones. Des. 70,370; June 15.
Tire flap. J. Hauvette-Michelin. 1,589,301; June 15.
Tire lock. H. Flintham. 1,588,721; June 15.
Tire rim, Vehicle. E. Caluslnski. 1,589,105; June 15.
Tire shield. J. H. Burrow. 1,588,936; June 15.
Tire-spreading device. G. H. Wadsworth. 1,589,274; June 15.
Tire tread, Vehicle. T. Graybill and R. H. Waters. Des. 70,365; June 15.
Tire valve and the like. E. E. Holt. 1,588,457; June 15.
Tire, Vehicle. T. C. Marshall. Des. 70,380; June 15.
Tires, Method of and apparatus for building pneumatic core. J. Kearns and E. G. Webber. 1,588,585; June 15.
Tobacco, Machine and process for blending and stripping. J. H. Austin and B. W. Ginn. 1,588,511; June 15.
Tobacco, Method and apparatus for stemming. C. L. Roberts. 1,588,613; June 15.
Tobacco-stemming machine. C. L. Roberts. 1,589,323; June 15.
Toilets, Automatic control for. H. G. Anderson. 1,588,644; June 15.
Tong. R. T. Roye and W. L. Pearce. 1,588,019; June 15.
Tool, Automatically-operated reciprocating. D. B. Young. 1,588,832; June 15.
Toothbrush. R. H. Van Sant. 1,588,785; June 15.
Toothbrush protector. G. C. Stoddard. 1,588,781; June 15.
Torpedo netting. J. Colombo. 1,588,449; June 15.
Toy. A. T. Gollnik. 1,589,146; June 15.
Toy. L. J. Rousseau. 1,588,773; June 15.
Toy electric trains, Reversing switch for. H. S. Becker. 1,589,096; June 15.
Toy figure. G. Boosey. 1,588,440; June 15.
Toy, Figure. H. Houdini. Des. 70,368; June 15.
Toy, Figure. C. J. Siebenhaar. 1,589,020; June 15.
Toy, Mechanical racing. C. Zabel. 1,589,280; June 15.
Toy pistol. W. F. Gehrig. 1,588,404; June 15.
Toy vehicle. N. A. Curtiss. 1,588,876; June 15.
Toy vehicle. C. L. Frey. 1,589,140; June 15.
Toy vehicle, Foot-propelled. A. R. Winans. 1,588,807; June 15.
Tracer, Contouring. J. C. Shaw. 1,588,856; June 15.
Tractors and the like, Cultivator attachment for. J. L. Williams. 1,589,278; June 15.
Tractor loaders, Drive for. N. P. Nelson. 1,588,851; June 15.
Trailer, Multiple-wheel. G. L. Knox. 1,588,842; June 15.
Trailers, Draft mechanism for. S. E. Liedabrand. 1,589,010; June 15.
Train-order holder. J. A. Vaughan. 1,589,272; June 15.
Transformers and switch fires, Apparatus for extinguishing. C. B. Flory. 1,588,882; June 15.
Transmission-control mechanism. C. B. Kurtz. 1,588,750; June 15.
Transmission, Flexible. E. Caretta. 1,589,108; June 15.
Transmission mechanism. J. A. Toomey. 1,589,267; June 15.
Transmitting device, Impulse-. J. G. Blessing. 1,588,517; June 15.

Trap: *See*—
Animal trap. Steam trap.
Mousetrap.
Trolley. A. L. Henry and G. S. Moore. 1,589,160; June 15.
Trousers press. G. Oertge and C. Schmitt. 1,588,902; June 15.
Trousers, Tee holder for. R. E. Ladue. 1,588,461; June 15.
Trucks and trailers, Fifth wheel for. A. L. French. 1,588,719; June 15.
Trunk-top construction. G. H. Wheary. 1,589,029; June 15.
Truss. W. H. Van Meer. 1,588,824; June 15.
Tube-cleaning apparatus. C. Rorabeck. 1,588,772; June 15.
Tube top. J. A. Campbell, jr. 1,589,107; June 15.
Tubes, Adjustable plug for cleaning condenser. M. Maunion and R. C. Arthur. Re16,362; June 15.
Tubes, Automatic air and water connection for water. C. C. Hansen. 1,589,150; June 15.
Turbine, Hydraulic. R. O. Couch. 1,588,528; June 15.
Type with track-side energy, Automatice train-control system continuous. A. G. Shaver. 1,589,001; June 15.
Typewriters, Key-shifting device for. R. A. Mathews. 1,589,193; June 15.
Typewriters, Selector mechanism for. G. A. Henriquez and A. Diaz. 1,589,159; June 15.
Typewriting machine. J. H. Barr. 1,588,871; June 15.
Typewriting machine. A. G. F. Kurowski. 1,588,894; June 15.
Umbrella. J. Metzger. 1,589,299; June 15.
Utensil guard. A. R. Mitchell. 1,588,980; June 15.
Vacuum tank and registering device, Combination. T. T. Givens. 1,589,068; June 15.
Vacuum-type inverted converter. L. W. Chubb. Re16,363; June 15.
Valve. L. W. Eggleston. 1,588,532; June 15.
Valve. G. E. Hagen. 1,588,794; June 15.
Valve. F. Lang. 1,588,752; June 15.
Valve. E. R. Vives. 1,588,562; June 15.
Valve, Automatic air. H. K. Kriebel. 1,589,009; June 15.
Valve construction. W. Current. 1,588,874; June 15.
Valve-controlling apparatus. S. P. Duck. 1,588,712; June 15.
Valve disks, Manufacturing and fitting. P. L. Scott. 1,589,243; June 15.
Valve, Electromagnetic brake. W. H. Ponsonby. 1,588,610; June 15.
Valve, Fluid-pressure-operated. C. C. Hansen. 1,589,288; June 15.
Valve for internal-combustion engines, Starting. J. F. Englert. 1,588,879; June 15.
Valve, High-pressure. J. M. Barrett. 1,588,645; June 15.
Valve, Injection. P. L. Scott. 1,589,238–9; June 15.
Valve, Injection. P. L. Scott. 1,589,245; June 15.
Valve lifter. J. Sunnen. 1,588,504; June 15.
Valve mechanism. E. P. Kyle. 1,589,080; June 15.
Valve mechanism, Air-brake-control-. N. A. Christensen. 1,588,656; June 15.
Valve, Rock-drill spool. W. A. Smith. 1,589,255; June 15.
Valve, Sand-filter. M. F. Ryan. 1,588,620; June 15.
Valve, Sealing. N. A. Christensen. 1,588,657; June 15.
Valve, Self-aligning. P. L. Scott. 1,589,244; June 15.
Valve, Spring-openable drain. H. B. Sherman. 1,589,252; June 15.
Valve, Submarine relief. E. L. Chisling. 1,589,113; June 15.
Valve, Vehicle brake-control. N. A. Christensen. 1,588,659; June 15.
Valves, Lock for. W. O. Kaiser. 1,589,316; June 15.
Vanity case. H. C. Karlson. 1,589,317; June 15.
Vegetable and fruit cutter. M. F. Lopez. 1,588,479; June 15.
Vehicle bumper, Motor-. B. P. Hanson. 1,588,961; June 15.
Vehicle, Double-deck. G. J. Rackham. 1,588,906; June 15.
Vehicle mud-guard protector. P. A. Gstalder. 1,588,678; June 15.
Vehicle, Self-propelled. H. Lemp. 1,589,182; June 15.
Vehicle suspension. A. J. Hersey. 1,588,578; June 15.
Vehicle wheel. W. N. Booth. 1,588,934; June 15.
Vehicle wheel. A. L. Putnam. 1,588,494; June 15.
Vehicles, Automatic control for motor. G. M. Howell. 1,588,422; June 15.
Vehicles, Automatic coupler for. J. H. Clark. 1,588,942; June 15.
Vehicles, Brake for motor. J. C. Haggart, jr. 1,588,723; June 15.
Vehicles, Braking apparatus for. N. A. Christensen. 1,588,660; June 15.
Vehicles, Bumper for motor. R. Tossell. 1,588,506–8; June 15.
Vehicles, Dust preventer for moving. L. Lindsay. 1,588,598; June 15.
Vehicles, Folding bed for motor. F. B. and H. S. Miller. 1,588,463; June 15.
Vehicles, Recoil snubber for. R. R. Foster. 1,588,541; June 15.
Vehicles, Steering connection for motor. A. F. Masury and A. H. Leipert. 1,588,974; June 15.
Vehicles, Ventilator for closed. K. H. Brownlee. 1,588,653–4; June 15.
Velocipedes and the like, Flexible link for. W. L. McGrath. 1,588,900; June 15.
Vending machine. L. T. Leet. 1,588,597; June 15.
Vending machine, Gasoline-. O. Turner. 1,588,921; June 15.
Violins, Resonator device for. I. Hessel. 1,588,730; June 15.
Vulcanizing apparatus. W. L. Fairchild. 1,588,668; June 15.
Waffle iron or similar article. G. F. Wells. Des. 70,394; June 15.
Wagon. A. O. Hubbard. 1,589,168; June 15.
Wagon, Farm. H. N. Harrison. 1,588,414; June 15.
Wall slab. J. Rinkenbaugh. 1,589,227; June 15.
Warfare, Art and apparatus for. R. S. Blair. 1,588,932; June 15.
Warp machines and hosiery machines and the like, Knocking-over bit of. B. Knobloch. 1,588,589; June 15.
Washboiler with furnace. H. Bachrach. 1,589,309; June 15.
Washing machine. T. P. Kleyn. 1,588,588; June 15.
Washing machine. P. A. Savoy. 1,588,622; June 15.
Water seal. J. J. Conlin. 1,588,704; June 15.
Water-supply regulator. J. H. Donahue. 1,588,877; June 15.
Water-tube connection. J. F. Mock. 1,589,209; June 15.
Waterproof object or article and producing the same. N. A. Rose. 1,588,617; June 15.
Waterproofing compound and paper water-proofed thereby. H. Buffington. 1,589,103; June 15.
Waves, Production and transmission of modulated. R. V. L. Hartley. 1,588,415; June 15.
Wedge, Window. S. J. Rumbold. 1,589,231; June 15.
Weeder, Rotary-rod. H. K. Wolfe. 1,588,790; June 15.
Weighing machine, Automatic. J. B. Van Deren. 1,589,270; June 15.
Welding, Electric-arc. J. C. Lincoln. 1,589,017; June 15.
Well-drilling rigs, Spudding gear for. P. A. Trapp. 1,589,268; June 15.
Well tubing. P. O. Truban and F. M. Kile. 1,588,920; June 15.
Wells, Cementing. F. I. Alexander. 1,588,643; June 15.
Wheel: *See*—
Resilient wheel. Wire-spoke wheel.
Vehicle wheel.
Wheel-hub assembly, Disk-. G. H. Forsyth 1,588,669; June 15.
Wheel puller. E. G. Livesay. 1,589,186; June 15.
Wheels, Constructing metal-spoke. A. L. Putnam. 1,588,495; June 15.
Wick in so-called night lights and new means for fixing the wick itself, System for the mechanical adjustment of the. A. Ragionieri and O. Madrigali. 1,588,992; June 15.
Winder, Tape or braid. H. P. Ruf. 1,588,925; June 15.
Winding apparatus. J. B. Calkins. 1,588,938; June 15.
Winding machine. G. N. Taylor. 1,588,918; June 15.
Winding twine, Method and apparatus for. E. H. Swan. 1,588,822; June 15.
Window closer, Automatic. E. J. Cutsinger and T. M. Hagenbook. 1,588,708; June 15.
Window closure device, Pivot-. R. Murray. 1,588,490; June 15.
Window glass, Manufacturing. C. J. E. Johnson. 1,588,583; June 15.
Window-lifting device. J. P. Jones. 1,588,741; June 15.
Window screen. P. Schmitz. 1,588,999; June 15.
Windows, Harness anchorage for metal. B. Kugler. 1,588,590; June 15.
Windows, Ventilator valve for. M. Sachse. 1,588,855; June 15.
Windshield cleaner, Motor-operated. R. Anderson. 1,588,399; June 15.
Wiper, Razor-blade. J. W. Hathaway. 1,588,417; June 15.
Wire drawing, Spool for. L. and P. Bréguet. 1,588,521; June 15.
Wire-spoke wheel. E. Ferrabino. 1,588,957; June 15.
Wire-stapling machines, Loading device for. F. Polzer. 1,588,989; June 15.
Wireless receiving sets, Variometer for. F. C. Hutchison. 1,588,580; June 15.
Wrapping machine. W. Roberts. 1,589,229; June 15.
Wrapping machine, Carpet-. R. Ashmead and K. R. Hodges. 1,588,930; June 15.
Wrench: *See*—
Plier wrench.
Wrench. G. H. Miller. 1,589,206; June 15.
Writing device. D. P. Boyle. 1,589,045; June 15.
Zirconium-oxide compound and making the same. C. J. Kinzie. 1,588,476; June 15.

CLASSIFICATION OF PATENTS

ISSUED JUNE 15, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 3: 1,588,990
44.16: 1,588,923
56: 1,588,989
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119: 1,588,463
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17: 1,589,153
123: 1,589,154
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6: 1,588,880
7.1: 1,589,128
8.3: 1,588,522
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48.4: 1,588,738
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48.6: 1,588,591
60: 1,588,472
61: 1,588,702
62: 1,588,809
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241— 6: 1,588,625
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242— 18: 1,588,918
26: 1,588,822
55: 1,588,995
78: 1,588,521
84.7: 1,588,873
244— 14: 1,588,615
21: 1,588,713
25: 1,589,174
31: 1,588,845
37: 1,589,028
246— 63: 1,589,001
135: 1,589,319
293: 1,588,895
317: 1,589,282
248— 20: 1,588,454
41: 1,589,137
59: 1,589,038
249— 32: 1,589,270
250— 36: 1,588,519
1,588,813
40: 1,589,308
41: 1,588,438
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251— 11: 1,588,445
17: 1,588,752
28: 1,588,645
95: 1,588,794
106: 1,589,178
135: 1,588,562
145: 1,589,252
164: 1,589,316
252— 3: 1,588,868
8: 1,588,956
253— 167: 1,588,528
254— 102: 1,589,167
163: 1,589,000
255— 22: 1,589,360
255— 33: 1,589,268
63: 1,589,152
256— 54: 1,589,257
257— 19: 1,589,281
258— 3: 1,589,272
259— 95: 1,588,693
96: 1,588,901
260— 12: 1,588,458
20: 1,588,439
25: 1,588,466
33: 1,588,534
45: 1,588,451
48: 1,588,960
61: 1,589,303
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138: 1,588,836
261— 39: 1,588,727
41: 1,589,175
59: 1,588,667
118: 1,588,833
262— 1: 1,588,987
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263— 20: 1,588,629
49: 1,588,725
264— 1: 1,588,767
265— 49: 1,588,456
54: 1,588,462
68: 1,588,975
71: 1,588,453
267— 10: 1,588,541
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47: 1,589,092
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268— 35: 1,589,067
74: 1,588,663
123: 1,588,708
126: 1,588,741
270— 39: 1,588,524
71: 1,589,251
81: 1,589,070
271— 27: 1,588,535
35: 1,588,843
272— 7: 1,588,941
35: 1,589,286
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273— 1: 1,589,312
33: 1,588,815
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88: 1,588,440
123: 1,588,766
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274— 5: 1,588,884
277— 61: 1,589,026
278— 6: 1,589,035
279— 54: 1,589,287
280— 22: 1,589,110
33.1: 1,588,719
33.44: 1,589,016
1,589,033
46: 1,588,419
80: 1,588,414
81: 1,588,842
83: 1,588,909
280— 87.5: 1,589,168
183: 1,588,917
330.5: 1,588,942
281— 5: 1,589,223
283— 1: 1,589,293
18: 1,588,864
21: 1,588,964
284— 18: 1,588,998
285— 86: 1,588,605
180: 1,588,444
286— 34: 1,588,734
287— 51: 1,589,205
53: 1,588,908
92: 1,589,004
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288— 1: 1,589,049
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5: 1,588,965
292— 58: 1,588,490
77: 1,589,220
109: 1,588,946
172: 1,588,899
194: 1,589,231
276: 1,588,805
294: 1,589,095
293— 55: 1,588,506
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57: 1,588,736
294— 28: 1,588,774
53: 1,588,927
296— 1: 1,589,049
26: 1,588,740
28: 1,588,906
51: 1,588,493
66: 1,588,692
107: 1,589,336
137: 1,589,122
299— 84: 1,589,069
133: 1,589,238
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301— 9: 1,588,669
33: 1,589,105
56: 1,588,957
67: 1,588,934
79: 1,588,494
303— 20: 1,588,523
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54: 1,588,656
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60: 1,588,825
84: 1,588,657
305— 10: 1,588,549
306— 2: 1,588,455
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59: 1,588,872
165: 1,589,179
215: 1,588,433
218: 1,588,446
236: 1,588,993

June 22, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A/S. Dalen Portland-Cementfabrik, Brevik, Norway. Cement. 214,469; June 22; Serial No. 222,784; published Apr. 6, 1926.

A/S L. E. Bruun, Copenhagen, Denmark. Butter. 214,384; June 22; Serial No. 221,089; published Mar. 2, 1926.

A/S Sætre Kjeksfabrik Aktieselskab, Oslo, Norway. Bread, cakes, biscuits, wafers, and crackers. 214,408; June 22; Serial No. 222,801; published Mar. 30, 1926.

Abram Cox Company, Philadelphia, Pa. Gas ranges and tank heaters. 214,518; June 22.

Alabama Clay Products Company, Birmingham, Ala. Brick. 214,392–3; June 22; Serial Nos. 226,620–1; published Mar. 30, 1926.

All-American Radio Corporation, Chicago, Ill. Transformers. 214,427; June 22; Serial No. 210,210; published Mar. 30, 1926.

Allen-Qualley Company, St. Paul, Minn. Bar candy. 214,386; June 22; Serial No. 221,686; published Apr. 6, 1926.

American Chicle Company, Long Island City, N. Y. Chewing gum. 214,363; June 22; Serial No. 227,154; published Apr. 6, 1926.

American Chicle Company, Long Island City, N. Y. Hard candy and chewing gum. 214,503; June 22.

American Furnace & Foundry Co., The, Milan, Mich. Hot-air furnaces and water heaters, warm-air furnaces, etc. 214,315; June 22; Serial No. 211,195; published Mar. 16, 1926.

American Hoist & Derrick Co., St. Paul, Minn. Apparatus for handling sugar cane. 214,488; June 22.

American Plywood Corporation, New London, Wis. Veneer and plywood. 214,324; June 22; Serial No. 223,360; published Apr. 6, 1926.

American Safety Device Company, doing business as The Patent Scaffolding Co., New York, N. Y. Ladders and scaffolding. 214,497; June 22.

Arctic Nu-Air Cooling & Ventilating Company, Chicago, Ill. Air-conditioning apparatus and cooling and ventilating systems. 214,379; June 22; Serial No. 219,654; published Apr. 6, 1926.

Arit, Anna H., Brooklyn, N. Y. Toilet articles. 214,456; June 22; Serial No. 219,615; published Mar. 16, 1926.

Atlantic Seed Company, Inc., The, Philadelphia, Pa. Field-seed and lawn-seed mixtures. 214,355–6; June 22; Serial Nos. 225,462–3; published Mar. 9, 1926.

Aughinbaugh Canning Company, Baltimore, Md. Oysters and shrimp. 57,575; renewed Nov. 13, 1926.

Automatic Sash Holder Company, The. (See McAuley, Cyrus B.)

Bakelite Corporation, New York, N. Y. Door handles, knobs, knockers, casters, toilet seats, furniture sliders, etc. 214,366; June 22; Serial No. 222,425; published Apr. 6, 1926.

Bakelite Corporation, New York, N. Y. Radium plaques, ozonizing apparatus, manicure sets, teething rings, etc. 214,367; June 22; Serial No. 222,432; published April 6, 1926.

Balston, Richard J., assignor to W. & R. Balston, Limited, Springfield, Mill, Maidstone, England. Writing and drawing papers. 57,014–15; renewed Oct. 30, 1926.

Bastian-Morley Co., La Porte, Ind. Thermostatically-controlled valves and parts thereof. 214,362; June 22; Serial No. 225,864; published Mar. 30, 1926.

Baxter, H. C., & Brother, Brunswick, Me. Canned vegetables. 214,352; June 22; Serial No. 225,343; published Apr. 6, 1926.

Bergmann, Frank H., Chicago, Ill. Preparation for waterproofing cement or other porous building material. 214,325–6; June 22; Serial Nos. 224,229–30; published Feb. 16, 1926.

Beststone Stucco Company, Inc., Brooklyn, N. Y. Stucco. 214,334; June 22; Serial No. 226,329; published Apr. 6, 1926.

Betz, Benjamin H., doing business as Betz Packing Company, Los Angeles, Calif. Fresh fruit. 214,519; June 22.

Bigelow-Hartford Carpet Company, Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Textile carpets. 214,423; June 22; Serial No. 211,324; published Apr. 13, 1926.

Binger, Arnold, New York, N. Y. Advertising window display cards. 56,744; renewed Oct. 16, 1926.

Blancard & Co., Inc., Newark, N. J. Wedding rings. 214,411; June 22; Serial No. 225,993; published Mar. 23, 1926.

Blancard & Co., Inc., Newark, N. J. Finger rings. 214,412; June 22; Serial No. 225,994; published Mar. 23, 1926.

Bohde, Arnold W., Fort Wayne, Ind. Medicine for the treatment of hog cholera. 214,400; June 22; Serial No. 226,038; published Mar. 30, 1926.

Booth Packing Company, The, assignor to Gibbs & Company, Incorporated, Baltimore, Md. Canned fruits and vegetables. 57,135–6; renewed Nov. 6, 1926.

Bowen, Al, Portland, Oreg. Candy objects representing golf balls and golf-club heads. 214,442; June 22; Serial No. 223,160; published Apr. 6, 1926.

Boyle, C. A., & Company. (See Perry, Emory C.)

Brazil Clay Company, Brazil, Ind. Bricks. 214,399; June 22; Serial No. 226,039; published Mar. 30, 1926.

Brunner, Mond & Co., Limited, Winnington, Northwich, England. Chemicals. 56,887; renewed Oct. 23, 1926.

Buffalo Specialty Company, Buffalo, N. Y. Detergent polish. 56,782; renewed Oct. 16, 1926.

Burger, Iwan, Inc., New York, N. Y. Canned sardines. 214,444–5; June 22; Serial Nos. 224,233–4; published Apr. 6, 1926.

Burke, Edmund, Minneapolis, Minn. Automobile heaters. 214,457; June 22; Serial No. 219,714; published Mar. 16, 1926.

Burnett, Robert M., Southborough, Mass., assignor to Deerfoot Company, Inc., Wilmington, Del. Butter. 56,951; renewed Oct. 30, 1926.

Burwell Corporation, Sharon, Pa. Shock absorbers. 214,357; June 22; Serial No. 225,466; published Mar. 9, 1926.

Cabco Sales Corporation, New York, N. Y. Taxicabs. 214,382; June 22; Serial No. 220,757; published Mar. 16, 1926.

Cadwallader-Gibson Lumber Co., Manila, P. I., and San Francisco, Calif. Domestic and foreign hardwood and soft-wood lumbers. 214,470–1; June 22; Serial Nos. 218,287–8; published Mar. 30, 1926.

Canton Brick and Fireproofing Co., The, New Philadelphia, Ohio. Brick. 214,375; June 22; Serial No. 207,066; published Apr. 6, 1926.

Central Pocahontas Coal Company, Welch, West Va. Coal. 214,515; June 22.

Chamberlain Company, Inc., Los Angeles, Calif. Crushed white rock, dolomite, marble, and silicate. 214,398; June 22; Serial No. 226,128; published Mar. 30, 1926.

Chemical Foundation, Incorporated, The. (See K. K. Landespriv. Milly-Kerzen-, Seifen- und Glycerin-Fabrik von F. A. Sarg's Sohn & Co., assignor.)

Chisholm, Aaron R., doing business as A. R. Chisholm Co., East Orange, N. J. Suspensory bandages. 214,514; June 22.

Chipka, Andrew, doing business as A. Chipka & Son, Lackawanna, N. Y. Metallic dimmer shades for automobile headlights. 214,438; June 22; Serial No. 224,236; published Mar. 9, 1926.

Clemetsen Company, The, Chicago, Ill. Metal parts for desks and other desk stops. 214,369; June 22; Serial No. 225,073; published Mar. 9, 1926.

Cleveland Heater Company, The, Cleveland, Ohio. Hot-water heaters, water-storage heaters, pipe fittings, etc. 214,345; June 22; Serial No. 225,171; published Mar. 30, 1926.

Clicquot Club Company, Millis, Mass. Ginger ale and sirup for making the same. 214,501; June 22.

Columbia Specialty Co. (See Maggini, Peter.)

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Bicycle saddles, foot pedals, vehicle springs, brakes, rear-vision mirrors. 214,317–19; June 22; Serials Nos. 219,842–4; published Mar. 9, 1926.

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Bicycle saddles, foot pedals, brakes, etc. 214,380; June 22; Serial No. 219,941; published Mar. 9, 1926.

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Bicycle saddles, foot pedals, vehicle springs, etc. 214,459; June 22; Serial No. 219,940; published Mar. 9, 1926.

Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor arc lamps as sources of light for industrial and photographic purposes. 214,435; June 22; Serial No. 203,259; published Mar. 30, 1926.

Correct Motor Fuels, Inc., Alton, Ill. Gasoline, kerosene, lubricating oils and greases. 214,418; June 22; Serial No. 227,633; published Mar. 30, 1926.

Cottonwood Fiber Company, St. Louis, Mo. Oil burners. 214,449; June 22; Serial No. 224,958; published Mar. 30, 1926.

Curtiss Aeroplane and Motor Company, Inc., Buffalo, and Garden City, N. Y. Aeroplanes. 214,333; June 22; Serial No. 226,584; published Apr. 6, 1926.

Daniel, Chas. A., Philadelphia, Pa., assignor to Quaker City Rubber Company, Wissinoming, Philadelphia, Pa. Machinery packing. 52,414; renewed May 8, 1926.

Dayton Rolled Metal Company, The, Dayton, Ohio. Bicycle rims. 214,338; June 22; Serial No. 225,596; published Mar. 30, 1926.

Deerfoot Company. (See Burnett, Robert M., assignor.)

Des Moines Clay Company, Des Moines, Iowa. Face and common brick. 214,353; June 22; Serial No. 225,402; published Mar. 9, 1926.

Des Moines Cycle Co., Des Moines, Iowa. Bicycles, parts thereof, accessories therefor, and sundries relating thereto (not tires). 214,472; June 22; Serial No. 214,948; published Apr. 6, 1926.

Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Upright and inverted gas mantles, gas and oil lamps, chandeliers, etc. 214,310; June 22; Serial No. 206,282; published Mar. 9, 1926.

Dickey, W. S., Clay Manufacturing Company, Kansas City, Mo. Fire brick. 214,336; June 22; Serial No. 226,131; published Mar. 30, 1926.

Dickman, Albert, Philadelphia, Pa. Fertilizer. 214,463; June 22; Serial No. 228,089; published Apr. 13, 1926.

Douglas, W. L., Shoe Co., Portland, Me., assignor to W. L. Douglas Shoe Company, Brockton, Mass. Leather boots and shoes. 53,799–800; renewed June 12, 1926.

Downing Taylor Company, Springfield, Mass. Canned vegetables, fruits, and fish, dried fruits, catchup, etc. 214,320; June 22; Serial No. 219,948; published Apr. 6, 1926.

Dunn, William E., Holland, Mich. Building blocks, bricks, and building tile made of concrete. 214,347; June 22; Serial No. 225,223; published Mar. 9, 1926.

Durkee, Eugene W., doing business as E. R. Durkee & Co., Elmhurst, N. Y. Tapioca. 214,494; June 22.

Dutton, E. W., Inc., New York, N. Y. Artificial-silk waste. 214,397; June 22; Serial No. 226,133; published Mar. 30, 1926.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Petroleum products. 214,410; June 22; Serial No. 224,553; published Mar. 30, 1926.

Eaton-Dikeman Co., The, Lee, Mass. Matrix paper. 214,370; June 22; Serial No. 227,575; published Apr. 6, 1926.

Eberle, J. N., & Co., to J. N. Eberle & Cie., Aktiengesellschaft, Augsburg-Pfersee, Germany, successor. Saws. 54,305; renewed June 26, 1926.

Eclipse Products Company. (See Talbot, William P.)

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer enamels, and lacquer thinners. 214,396; June 22; Serial No. 226,236; published Mar. 23, 1926.

Emerson Piano Company, Boston, Mass., to Emerson Piano Co., Norwalk, Ohio. Pianos. 53,383; renewed June 5, 1926.

England-Walton Company, Boston, Mass. Sole leather. 214,394; June 22; Serial No. 226,480; published Mar. 30, 1926.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Meat-chopping machines and meat presses. 56,956; renewed Oct. 30, 1926.

Esposito Bros., New York, N. Y. Olive oil. 214,372–3; June 22; Serial Nos. 199,277–8; published Apr. 6, 1926.

Exolon Company, The, Blasdell, N. Y. Refractory materials, particularly artificial mullite. 214,323; June 22; Serial No. 223,225; published Apr. 6, 1926.

Flint-Rock Stucco Company, The, Ingomar, Ohio. Exterior magnesite stucco, composition flooring, interior plaster, and dashes, which are finely-crushed stone. 214,371; June 22; Serial No. 191,377; published Apr. 6, 1926.

Florida Beverage Syrup Company, Inc., Tampa, Fla. Beverages and sirups for making same. 214,476; June 22.

Forban Company, New York, N. Y. Chewing gum. 214,314; June 22; Serial No. 210,545; published Apr. 6, 1926.

Franklin Simon & Co., Inc., New York, N. Y. Compacts, refills, toilet powder, powder sachet, and dusting powders. 214,480–1; June 22.

Franklin Simon & Co., Inc., New York, N. Y. Cologne, cologne waters, and extracts. 214,482; June 22.

Franklin Simon & Co., Inc., New York, N. Y. Cologne, cologne waters, and extracts. 214,484; June 22.

French Battery & Carbon Company, Madison, Wis. Dry batteries. 214,431; June 22; Serial No. 206,952; published Mar. 23, 1926.

Frostum Co., The. (See Harris, Kennett, jr.)

Garfein, Oscar, New York, N. Y. Chicken fat, roast chicken, cakes, pies, bread, rolls. 214,520; June 22.

Garson, Edgar, Hollywood, Calif. Nonglare attachment for automobile windshields. 214,460; June 22; Serial No. 220,300; published Feb. 23, 1926.

Geaslen, Richard L., doing business as Triad Products Co., Chicago, Ill. Water heaters. 214,337; June 22; Serial No. 225,919; published Apr. 6, 1926.

Gemco Manufacturing Company, Milwaukee, Wis. Shock absorbers for motor vehicles. 214,387; June 22; Serial No. 222,787; published Mar. 16, 1926.

Gibbs & Company. (See Booth Packing Company, assignor.)

Great Grimsby Textile Company, Inc., New York, N. Y. Woolens in the piece. 214,506; June 22.

Gugenheim, Max M., doing business as Three Feathers Malt Extract Co., Cincinnati, Ohio. Malt sirup for food purposes. 214,329; June 22; Serial No. 226,854; published Mar. 30, 1926.

Haartz, J. C., Company, New Haven, Conn. Auto top finish—a waterproof fabric. 214,343; June 22; Serial No. 224,910; published Apr. 6, 1926.

Haartz, J. C., Co., New Haven, Conn. Waterproof fabric. 214,446; June 22; Serial No. 224,456; published Mar. 16, 1926.

Haggar, Joseph, Dallas, Tex. Work shirts, pants, and overalls. 214,383; June 22; Serial No. 221,056; published Mar. 16, 1926.

Hardman, Peck & Co., New York, N. Y. Radio receiving and transmitting sets and parts thereof. 214,422; June 22; Serial No. 212,734; published Mar. 23, 1926.

Harris, Kennett, jr., doing business as The Frostum Co., New York, N. Y. Prepared cake frosting or cake icing. 214,328; June 22; Serial No. 226,899; published Mar. 30, 1926.

Harris, W. M., & Sons, Wyoming and Frederica, Del. Canned fruits, soups, vegetables, and tomato catchup. 214,327; June 22; Serial No. 226,900; published Apr. 6, 1926.

Hart & Crouse Company, Utica, N. Y. Boilers and coal furnaces. 214,452; June 22; Serial No. 216,098; published Mar. 16, 1926.

Hartlove Candy Company, The, Ashland, Ky. Candy. 214,416; June 22; Serial No. 227,015; published Mar. 23, 1926.

Hassendeubel Grocery Company, The, St. Louis, Mo. Canned fruits, vegetables, sea food, etc. 214,521; June 22.

Hawthorne Roofing Tile Company, The, Cicero, Ill. Roofing tiles. 214,447; June 22; Serial No. 224,459; published Mar. 9, 1926.

Heller & Merz Co., The, Newark, N. J., and New York, N. Y., to The Heller & Merz Co., Newark, N. J. Ball blue and wash blue. 56,482; renewed Sept. 25, 1926.

Home Rule Products Company. (See Stone, Samuel.)

Idaho Canning Co., Ltd., Payette, Idaho. Canned vegetables. 214,361; June 22; Serial No. 225,716; published Apr. 6, 1926.

Ingraham, E., Company, The, Bristol, Conn. Clocks. 214,402; June 22; Serial No. 220,070; published Mar. 9, 1926.

International Pulp Co., New York, N. Y. Pulverized minerals. 214,467; June 22; Serial No. 225,717; published Mar. 16, 1926.

Irving Iron Works Company, Long Island City, N. Y. Metal grating for floorings, staircases, and roadways. 214,335; June 22; Serial No. 226,289; published Mar. 30, 1926.

Jevne, H., Co., Los Angeles, Calif. Canned goods, fruit preserves, pickles, etc. 214,309; June 22; Serial No. 201,561; published Jan. 20, 1925.

Jewell Electrical Instrument Co., Chicago, Ill. Devices for determining the characteristics of radio vacuum tubes. 214,483; June 22.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Ready-mixed paints and paint enamels. 214,498; June 22.

Joplin Supply Company, Joplin, Mo. Shock absorbers, tire-chain adjusters, axle parts, running-board braces, etc., for vehicles. 214,340; June 22; Serial No. 225,561; published Apr. 6, 1926.

K-D Manufacturing Company. (See Woolworth Chemical Co.)

K. K. Landespriv., Milly-Kerzen-, Seifen- und Glycerin-Fabrik von F. A. Sarg's Sohn & Co., Vienna and Liesing, Austria-Hungary, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Preparations for cleansing and preserving the teeth and mouth. 54,110; renewed June 19, 1926.

Karas Electric Company, Chicago, Ill. Electrical transformers for radio use. 214,421; June 22; Serial No. 216,607; published Mar. 23, 1926.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. 214,341; June 22; Serial No. 225,476; published Mar. 30, 1926.

Keasbey & Mattison Company, Ambler, Pa. Sound-absorbing plaster. 214,448; June 22; Serial No. 224,917; published Mar. 9, 1926.

Kennedy, Preston, Binghamton, N. Y. Mixers for use in furnaces for facilitating the consumption of coal gas. 214,473; June 22; Serial No. 189,461; published Mar. 16, 1926.

Kerr Chemical Company, The, Danbury, Conn. Remedies for coughs, colds, bronchitis, and for strengthening agents for those recovering from wasting diseases. 214,495; June 22.

Kleinert, I. B., Rubber Company, to I. B. Kleinert Rubber Company, New York, N. Y., successor. Dress shields. 57,144; renewed Nov. 6, 1926.

Knowles Mushroom Ventilator Co., New York, N. Y. Underseat air diffusers for auditoriums. 214,344; June 22; Serial No. 224,566; published Apr. 6, 1926.

Koch, Reinhold G., New York, N. Y. Automatic window display figures. 214,451; June 22; Serial No. 216,052; published Mar. 9, 1926.

Kuchenmeister, Teinrich, Berlin, Germany. Phonographs, pianos, violins, etc. 214,437; June 22; Serial No. 200,993; published Mar. 9, 1926.

Kunin, Samuel, & Sons, Chicago, Ill. Canned and preserved fruits, baked beans, canned meats, chili sauce, etc. 214,453; June 22; Serial No. 218,646; published Mar. 30, 1926.

Kupferman, L., & Co., New York, N. Y. Men's and boys' suits. 214,443; June 22; Serial No. 223,792; published Apr. 6, 1926.

Lavin, Harry, Canton, Ohio. Pickling salt, a preparation used in the curing of meat. 214,496; June 22.

Le Bron, Frank, New York, N. Y. Bracelets, bib holders, necklaces, etc. 214,428; June 22; Serial No. 209,997; published Mar. 23, 1926.

Loewenstein, Hermann, New York, N. Y. Finished goat skins, calfskins, and cowhide. 214,359; June 22; Serial No. 225,563; published Mar. 16, 1926.

Lucido Brothers Grocery Co., Granite City, Ill. Canned fruits and vegetables, vinegar, olives, etc. 214,332; June 1; Serial No. 226,668; published Mar. 30, 1926.

Mack, Horace M. B., doing business as Mack the Coffee Man, Lancaster, Pa. Coffee. 214,500; June 22.

Maggini, Peter, doing business as Columbia Specialty Co., Newark, N. J. Medicated sherry. 214,509; June 22.

Master Builders Company, The, Cleveland, Ohio. Colored cement, coloring for cement and mortar, materials for dustproofing cement floors, etc. 214,365; June 22; Serial No. 209,169; published Mar. 16.

Mats Building Products Corporation, Detroit, Mich. Bricks, slabs, blocks, and partitions. 214,354; June 22; Serial No. 225,437; published Mar. 9, 1926.

McAuley, Cyrus B., doing business as The Automatic Sash Holder Company, Kansas City, Mo. Window-sash holders and window-sash-holder parts. 214,508; June 22

McCann, J. D., Co., Hornellsville, to J. D. McCann Co., Rochester, N. Y. Skin food and massage cream. 55,896; renewed Aug. 21, 1926.

Mitchel Oil Company of New Jersey, Kearny, N. J. Internal-combustion-engine fuels. 214,413; June 22; Serial No. 226,204; published Mar. 23, 1926.

Moss Rose Manufacturing Company, Philadelphia, Pa. Drapery fabrics of cotton and artificial silk. 214,475; June 22.

Muller, Franklyn R., Inc., Waukegan, Ill. Stucco, composition flooring, magnesia flooring, etc. 214,364; June 22; Serial No. 201,971; published Mar. 9, 1926.

Mutschler Brothers Company, Nappanee, Ind. Kitchen tables. 214,507; June 22.

Nash Engineering Company, South Norwalk, Conn. Sewage ejectors, bilge pumps, sump pumps, turbines, turbine engines, etc. 214,516; June 22.

Nelson, B. F., Manufacturing Company, Minneapolis, Minn. Asphalt composition shingles. 214,308; June 22; Serial No. 191,278; published Apr. 6, 1926.

New Pittsburgh Coal Company, Columbus, Ohio. 214,439; June 22; Serial No. 222,864; published Mar. 9, 1926.

Oakland Foundry Company, Belleville, Ill. Coal furnaces. 214,385; June 22; Serial No. 221,197; published Mar. 16, 1926.

Ohmer Fare Register Company, Dayton, Ohio. Taximeters. 214,490; June 22.

Ohmer Fare Register Company, Dayton, Ohio. Taximeters. 214,493; June 22.

Ohmer Fare Register Company, Dayton, Ohio. Taximeter. 214,510; June 22.

Old King Cole, Inc., Canton, Ohio. Statuettes. 214,374; June 22; Serial No. 206,431; published Apr. 6, 1926.

Oriental Music Shop, Inc., doing business as Oriental Record and Talking Machine Co., New York, N. Y. Records for phonograph instruments and the like. 214,499; June 22.

16, 1926.

Oster Manufacturing Company, The, Cleveland, Ohio. Power-driven threading and pipe-working tools and machines and parts thereof. 214,409; June 22; Serial No. 224,201; published Apr. 13, 1926.

Panelyte Board Company, The, Trenton, N. J. Electrical insulation boards, panel blocks, etc. 214,401; June 22; Serial No. 189,987; published Mar. 23, 1926.

"Parfise," Inc., New York, N. Y. Perfume, toilet water, face powder, talcum powder, sachet powder, etc. 214,499; June 22.

Patent Scaffolding Company, The. (See American Safety Device Company.)

Patterson, S. J., Company, The, Dayton Ohio. Coal. 214,348; June 22; Serial No. 225,238; published Mar. 9, 1926.

Penn Leather Company, Philadelphia, Pa. Hides, skins, leather, etc. 214,390; June 22; Serial No. 226,861; published Mar. 30, 1926.

Penn Leather Company, Philadelphia, Pa. Hides, skins, leather, etc. 214,391; June 22; Serial No. 226,784; published Mar. 30, 1926.

Perry, Emory C., doing business as C. A. Boyle & Company, Chicago, Ill. Green duck, which is a chemically-treated duck. 214,477; June 22.

Peterson, O. R., Co. Inc., San Francisco and Los Angeles, Calif. Axles, brakes, fenders, etc. 214,321; June 22; Serial No. 221,636; published Mar. 16, 1926.

Petroleum Heat & Power Co., New York, N. Y. Petroleum-oil burners. 214,358; June 22; Serial No. 225,489; published Mar. 9, 1926.

Pfanstiehl Radio Service Company, Highland Park, Ill. Radioamplifiers, radiosilencers, etc. 214,436; June 22; Serial No. 202,221; published Mar. 23, 1926.

Philadelphia Clay Company, The, Philadelphia, Pa. Clay. 214,342; June 22; Serial No. 225,136; published Apr. 6, 1926.

Pierman, Alexander N., Newark, N. J. Vacuum tube for use in radio apparatuses. 214,424; June 22; Serial No. 211,224; published May 26, 1925.

Pittsburgh and Midway Coal Mining Company, The, Kansas City, Mo. Coal. 214,360; June 22; Serial No. 225,674; published Mar. 16, 1926.

Powhatan Mining Company, The, Cleveland, Ohio. Coal, carbonized fuel, and coke. 214,389; June 22; Serial No. 226,864; published Mar. 30, 1926.

Premier Warm Air Heater Company, Dowagiac, Mich. Coal stoves and furnaces for warm-air heating. 214,312; June 22; Serial No. 207,402; published Mar. 16, 1926.

Quaker City Rubber Company. (See Daniel, Chas. A., assignor.)

Racine Rubber Company, Racine, Wis. Repair packages for inner tubes, rubber boots, garden hose, and other like articles. 214,492; June 22.

Reed and Bryan, Inc., New York, N. Y. Bunting in the piece. 214,485; June 22.

Reo Motor Car Company, Lansing, Mich. Automobiles. 214,339; June 22; Serial No. 225,575; published Apr. 6, 1926.

Reynolds Felt Company Incorporated, Binghamton, N. Y. Carpet liner, felt, and felt pieces. 214,376; June 22; Serial No. 208,362; published Apr. 6, 1926.

Rice's, Bernard, Sons, Inc., New York, N. Y. Silver hollow ware. 214,414; June 22; Serial No. 226,223; published Mar. 23, 1926.

Richardson Company, The, Lockland, Ohio. Composition shingles. 214,377; June 22; Serial No. 208,870; published Apr. 6, 1926.

Richardson Lubricating Company, Quincy, Ill. Gasoline. 214,425–6; June 22; Serial Nos. 210,754–5; published Mar. 9, 1926.

Riefling Automobile Company, St. Louis, Mo. Automobiles. 214,468; June 22; Serial No. 224,988; published Mar. 16, 1926.

Roanoke Mills Company, Roanoke Rapids, N. C. Woven cotton fabrics, including cotton flannels. 214,489; June 22.

Rockwood & Co., New York, N. Y. Chocolates. 214,388; June 22; Serial No. 227,249; published Apr. 6, 1926.

Rogers, H. A., Co., Minneapolis, Minn. Clay preparation used as a surface covering. 214,440; June 22; Serial No. 222,996; published Mar. 16, 1926.

Royal Typewriter Company, Inc., New York, N. Y. Inking ribbons and carbon paper. 214,474; June 22; Serial No. 228,666; published Apr. 27, 1926.

Rubinton, Samuel, Brooklyn, N. Y. Fur skins. 214,313; June 22; Serial No. 207,951; published Mar. 30, 1926.

St. Clair Coal Company, The, Scranton, Pa. Coal. 214,455; June 22; Serial No. 218,880; published Oct. 27, 1925.

St. Paul Canning Co., St. Paul, Ind. Canned corn, pumpkin, and tomatoes. 214,395; June 22; Serial No. 226,448; published Apr. 6, 1926.

Schmitt, George P., Oakland, Calif. Radiators. 214,307; June 22; Serial No. 179,745; published Mar. 9, 1926.

Schneider, George, and Company, Brooklyn, N. Y. Beverages sold as soft drinks and sirups for making the same. 214,486–7; June 22.

Sears, Roebuck and Co., Chicago, Ill. Oil stoves, oil burners, and wicks. 214,465; June 22; Serial No. 225,981; published Mar. 30, 1926.

Selden Truck Corporation, Rochester, N. Y. Motor trucks. 214,349–50; June 22; Serial Nos. 225,286–7; published Mar. 9, 1926.

Shannon, John, & Son, Ltd., Walsall and London, W. 1., England. Men's suits, knickerbockers, trousers, topcoats, etc. 214,505; June 22.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton goods in the piece. 214,479; June 22.

Smith-Newman Mfg. Co., McDonough, Ga. Gummer files. 214,491; June 22.

Solano, Ambrosia Concepción Bastida, (vda. de Doroteo Moreno), Calaho, Spain. Preserved fruits. 214,512; June 22.

Southern Saw Works, Atlanta, Ga. Circular saws, circular knives, saw bits and saw shanks. 214,517; June 22.

Speck, Marshall & Co., assignor to Speck-Marshall Company, Pittsburgh, Pa. Rubber belting. 52,822; renewed May 15, 1926.

Spraco Painting Equipment Company, Boston, Mass. Straightedge-forming attachment for spray guns. 214,417; June 22; Serial No. 227,539; published Apr. 13, 1926.

Sprague, Warner & Company, Chicago, Ill. Salad dressing. 55,834; renewed Aug. 21, 1926.

Sprague, Warner & Company, Chicago, Ill. Sirup. 55,836; renewed Aug. 21, 1926.

Sprague, Warner & Company, Chicago, Ill. Certain named beverages. 55,852; renewed Aug. 21, 1926.

Sprague, Warner & Company, Chicago, Ill. Ham and bacon. 55,956; renewed Aug. 21, 1926.

Sprague, Warner & Company, Chicago, Ill. Tea. 56,181; renewed Aug. 28, 1926.

Stahl, H. K., Company, St. Paul, Minn. Gasoline, kerosene, fuel oil, and petroleum distillate. 214,419; June 22; Serial No. 219,998; published Mar. 23, 1926.

Standard, Washington, D. C. Lumber, dressed or rough. 214,478; June 22.

Standard Furnace and Supply Company, Omaha, Nebr. Hot-air furnaces. 214,511; June 22.

Star Canning Co., Lindale, Tex. Canned vegetables and berries. 214,331; June 22; Serial No. 226,693; published Mar. 30, 1926.

Stedfast Fabric and Rubber Co. (See Sydeman, Abraham.)

Stephens, Olin J., assignor to Stephens Fuel Company, Inc., New York, N. Y. Coal and coke. 57,081; renewed Oct. 30, 1926.

Stewart, Frank H., Electric Co., Philadelphia, Pa. Electrically-operated vacuum cleaners. 214,420; June 22; Serial No. 217,741; published Mar. 30, 1926.

Stone, Samuel, doing business as Home Rule Products Company, Cleveland, Ohio. Malt sirup for food purposes. 214,458; June 22; Serial No. 219,918; published Mar. 30, 1926.

Stover Manufacturing & Engine Co., Freeport, Ill. Stove dampers and spindles therefor. 214,464; June 22; Serial No. 226,213; published Mar. 30, 1926.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 214,430; June 22; Serial No. 208,021; published Apr. 7, 1925.

Sydeman, Abraham, doing business as Stedfast Fabric and Rubber Co., Mattapan, Mass. Rubberized woven and unwoven fabric. 214,311; June 22; Serial No. 206,700; published Mar. 9, 1926.

Takamine Laboratory, Inc., Clifton, N. J. Preparation to be used in bread making or as yeast food. 214,330; June 22; Serial No. 226,696; published Apr. 6, 1926.

Talbot, William P., doing business as Eclipse Products Company, New York, N. Y. Fastening devices made of or plated with precious metal for protecting watches from loss and theft. 214,407; June 22; Serial No. 221,789; published Mar. 23, 1926.

Texas Cement Plaster Co., Plasterco, Tex., and Oklahoma City, Okla. Partition tiles. 214,441; June 22; Serial No. 223,001; published Mar. 30, 1926.

Thomas Products, Inc., Boston, Mass. Serviettes. 214,368; June 22; Serial No. 223,822; published Mar. 16, 1926.

Three Feathers Malt Extract Co. (See Gugenheim, Max M.)

Tongue, R. E., & Bros. Co., Inc., Philadelphia, Pa. Fly ribbon, fly paper, fly tape, and fly swatters. 214,450; June 22; Serial No. 225,066; published Mar. 9, 1926.

Triad Products Co. (See Genslen, Richard L.)

Trieste Importing Co., Inc., New York, N. Y. Olive oil. 214,378; June 22; Serial No. 218,883; published Apr. 6, 1926.

United Electrical Mfg. Co., Adrian, Mich. Electrical fans. 214,404; June 22; Serial No. 221,464; published Dec. 15, 1925.

United Radio & Electric Corporation, Newark, N. J. Radio vacuum tubes. 214,415; June 22; Serial No. 226,747; published Mar. 30, 1926.

United States Electric Manufacturing Corporation, New York, N. Y. Electric decorative lighting outfits for Christmas trees and the like. 214,405–6; June 22; Serial Nos. 221,649–50; published Mar. 23, 1926.

United States Gypsum Company, Chicago, Ill. Plastic wall covering, wall plaster, and finishing plaster. 214,346; June 22; Serial No. 225,209; published Mar. 9, 1926.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Lubricating oils. 56,816; renewed Oct. 23, 1926.

Van Duzer, S. R., New York, N. Y. Hair restoratives. 52,026; renewed Aug. 21, 1926.

W-K Electric Company, Kenosha, Wis. Radio receiving sets and parts thereof. 214,429; June 22; Serial No. 209,264; published June 23, 1925.

Wallbrunn, Kling & Co., Chicago, Ill. Plastic modeling compound made with an oil base and suitable for molding relief decoration on picture frames and the like. 214,504; June 22.

Wanamaker, John, New York, New York, N. Y. Hosiery. 214,434; June 22; Serial No. 204,944; published Mar. 31, 1925.

Weitzel Flooring Corporation, Philadelphia, Pa. Lumber. 214,461–2; June 22; Serial Nos. 225,334–5; published Mar. 9, 1926.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum tubes. 214,482–3; June 22; Serial Nos. 204,986–7; published Mar. 30, 1926.

Whiteley & Foedisch, New York, N. Y. Coke. 214,351; June 22; Serial No. 225,294; published Mar. 30, 1926.

Whitney, Floyd W., Ysleta, Tex. Fresh cantaloupes and tomatoes. 214,381; June 22; Serial No. 220,586; published Apr. 6, 1926.

Wilde, W. B., Co., Peoria, Ill. Fuel-burning devices. 214,454; June 22; Serial No. 218,678; published Mar. 16, 1926.

Wolverine Brass Works, Grand Rapids, Wis. Pipe-joint cement. 214,322; June 22; Serial No. 223,151; published Mar. 30, 1926.

Woolworth Chemical Company, Lititz, doing business as K-D Manufacturing Company, Lancaster, Pa. Rear-vision mirror for automobiles. 214,466; June 22; Serial No. 225,753; published Apr. 13, 1926.

Wostenholm, George & Son, Limited, Sheffield, England, and New York, N. Y., to George Wostenholm & Son, Limited, Sheffield, England. Certain named cutlery. 56,558; renewed Oct. 9, 1926.

Y. & B. Hosiery Mills, Reading, Pa. Hosiery. 214,316; June 22; Serial No. 215,195; published Dec. 1, 1925.

Young Brothers, New York, N. Y. Hats. 55,488; renewed Aug. 14, 1926.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 214,502; June 22.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 214,513; June 22.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 214,522; June 22.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Mattress Works, Inc., New Orleans, La. Restwell Line. For Mattresses. 30,513; June 22.

Baltimore Distilling Company, Baltimore, Md. Fisher. For Whisky. 30,514; June 22.

Bardell, James C., doing business as Bardell Art Printing Co., Oakland, Calif. Vupack Mailing Card. For Souvenir Mailing Cards. 30,515; June 22.

Blanton, R. T., Sweetwater, Tex. Date Loaf. For Candy. 30,516; June 22.

Borden Company, The, New York, N. Y. Borden's Challenge Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 30,517; June 22.

Grant, George D., doing business as Grant's Electric Laboratory, Salem, Mass. Standard Generator Brushes. For Generator Brushes. 30,518; June 22.

Grapp, William L., Minneapolis, Minn. Summer And Winter Sleep-Rite Mattress. For Mattresses. 30,519; June 22.

International Harvester Company, Chicago, Ill. McCormick-Deering Cream Separator Oil. For Oil. 30,520; June 22.

Kroger Grocery & Baking Co., Cincinnati, Ohio. Country Club. For Bacon Squares. 30,521; June 22.

La Greide, Nelson H., doing business as The Transferoid Company, Owatonna, Minn. La Greide's Nipigon Bait And Fly Line Dressing. For Bait and Fly-Line Dressing. 30,522; June 22.

McCaffrey, Charles G., Pittsburgh, Pa. Rainbow Reflects Quality. For Malt Sirup. 30,523; June 22.

Olympia Canning Company, Olympia, Wash. Thurston. For Canned Pears. 30,524; June 22.

Olympia Canning Company, Olympia, Wash. Household. For Apples. 30,525; June 22.

Parks Hosiery Mills, Inc., Asheboro, N. C. Parks. For Hosiery. 30,526; June 22.

Sanger Fruit Growers Ass'n., Sanger, Calif. Rose. For Fresh Grapes. 30,527; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Foot Rest. For Arch Supports. 30,528; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's 400 Arch. For Arch Supports. 30,529; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Up-Lift. For Arch Supports. 30,530; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Digito Bunion Appliance. For Foot-Corrective Appliances. 30,531; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Toe-Flex. For Foot-Corrective Appliances. 30,532; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Toe Separator. For Foot-Corrective Appliances. 30,533; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Nu-Grip Heel Liner. For Foot-Corrective Appliances. 30,534; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Walk-Strate Heel Pads. For Foot-Corrective Appliances. 30,535; June 22.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Heel Cushion. For Foot-Corrective Appliances. 30,536; June 22.

Shoales, Walter A., Plymouth, N. Y. Canibran. For a Laxative. 30,537; June 22.

Transferoid Company, The. (See Le Greide, Nelson H.)

Wyandotte Olive Growers Association, Oroville, Calif. Table Mountain. For Canned Ripe Olives. 30,538; June 22

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. There Is No 'Substitute' For Comfort! For Athletic Underwear. 8,906; June 22.

Coty, Inc., Wilmington, Del., and New York, N. Y. Les Paatels Coty. For Rouges. 8,907–8; June 22.

Eldridge-Buick Company, Seattle, Wash. Eldridge Buick Rebuilt Cars. For Built-Over Motor Cars. 8,909; June 22.

Griggs, Fred D., Springfield, Mass. The Approved Wayside Stations Inc. An Endless Chain Of Superior Service. For Candy, Refreshments, and Cigars. 8,910; June 22.

Hammacher, Schlemmer & Co., New York, N. Y. Unusual Gifts Of Genuine Utility. For Hardware. 8,911; June 22.

Hillyard Chemical Company, St. Joseph, Mo. 5 In 1. For a Cleaning and Preserving Polish. 8,912; June 22.

Rap-I-Dol Co., Inc., Newark, N. J. Banishes Grey Hair In 15 Minutes. For Hair Colorings. 8,913; June 22.

Reid, Murdoch & Co., Chicago, Ill. Coffee Direct From The Plantation. For Coffee. 8,914; June 22.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Watch Case Co., New York, N. Y. Bracelets and watch bracelets. 193,647; June 22.

Admirable Clothes, Inc., New York, N. Y. Suits, topcoats, vests, and pants. 231,511; June 22.

Aladdin Hydraulic Jack Company, Denver, Colo. Hydraulic jacks. 230,072; June 22.

Alden Manufacturing Company, Springfield, Mass. Radio devices. 229,608; June 22.

American Awning & Tent Co., Boston, Mass. Awnings, tents, tarpaulins, and canopies. 230,814; Jue 22.

American Beverage & Candy Co., Tacoma, Wash. Candy bars. 207,163; June 22.

American Lady Corset Co., Detroit, Mich. Corsets, brassières, camisoles, etc. 230,649; June 22.

American Printing Company, Fall River, Mass. Cotton piece goods. 225,947; June 22.

American Steel Foundries, Chicago, Ill. Brake rigging, brake heads, brake beams, etc. 103,942; June 22.

Anasto, William, New York, N. Y. Furniture and automobile cleaner and polish. 230,650; June 22.

Andrew's Mill Co., New York, N. Y. Dress goods. 229,371; June 22.

Annin & Co., New York, N. Y. Dolls. 229,018; June 22.

Annin & Co., New York, N. Y. Flag decorations. 230,326; June 22.

Arcus Ticket Co., Chicago, Ill. Printed tickets, coupons, and restaurant checks. 230,865; June 22.

Armstrong Company, The, Detroit, Mich. Cements and putties, etc. 193,494; June 22.

Artophone Corporation, The, St. Louis, Mo. Tenor banjos. 229,079; June 22.

Artophone Corporation, The, St. Louis, Mo. Banjo ukuleles, ukuleles, mandolins, and guitars. 229,080; June 22.

Automatic Electric Inc., Chicago, Ill. Automatic telephone systems. 230,438; June 22.

Automotive Gear Works, Inc., Richmond, Ind. Gears. 230,470; June 22.

Auto Pneumatic Action Company, New York, N. Y. Piano actions. 228,352; June 22.

Aywon Storage Battery Co. (See Patstone, Arthur L.)

Ballard, R. H., doing business as The Mallowette Company, Wichita, Kans. Candy confections. 230,511–12; June 22.

Barager-Webster Company, Eau Claire, Wis. Candies and fudge. 228,293; June 22.

Barney's. (See Bonaventure, Barney S.)

Barton, Jack, Southgate Farm, near Parkmill, Gower, Wales. Safety-razor-blade-stropping machine. 230,004; June 22.

Bennett Pumps Corporation, Muskegon, Mich. Self-mensuring oil and grease dispensing devices. 223,681; June 22.

Berg, John C., doing business as Justine's, Washington, D. C. Bread, pies, cakes, ice cream, and candy. 230,010; June 22.

Best, Gerald M., Piedmont, Calif. Radio receiving sets and radio apparatus. 228,735–6; June 22.

Bethlehem Globe Publishing Company, Bethlehem, Pa. Periodical. 230,655; June 22.

Blackhawk Candy Co., Davenport, Iowa. Candy bars. 230,715; June 22.

Blakely Dry Goods Co., Inc., The, Spokane, Wash. Underwear, overalls, hosiery, etc. 230,079; June 22.

Bloom, Isadore H., doing business as I. H. Bloom & Co., Boston, Mass. Handkerchiefs. 222,435; June 22.

Bloomington Canning Company, The, Bloomington, Ill. Canned corn. 225,219; June 22.

Blue Blood Shippers. (See Zeuzius, Matthew J.)

Bob, H. D., Company Inc., New York, N. Y. Men's and boys' overjackets and knitbottom jackets. 229,896; June 22.

Boccia, Charles, New York, N. Y. Small cookies. 227,770; June 22.

Bonaventure, Barney S., doing business as Barney's, New York, N. Y. Fabric cover to be worn over ballet slippers while in use. 230,157; June 22.

Bott, Carl, Triadelphia, W. Va. Butter, fresh and stale cream, honey, and fresh and dried vegetables. 223,765; June 22.

Boulitte, George C., Paris, France. Cupping glasses. 228,684; June 22.

Brach, L. S., Manufacturing Co., Newark, N. J. Lightning arresters and parts thereof. 228,959; June 22.

Brach, L. S., Manufacturing Co., Newark, N. J. Lightning arresters and parts thereof. 229,322; June 22.

Brooklyn Citizen, The, Brooklyn, N. Y. Evening and Sunday newspaper. 231,238; June 22.

Buoyant Upholstery Company Limited, The, Sandiacre, England. Household chairs, settees, cabinets, beds, etc. 215,332; June 22.

Burdwise, Aaron, assignor to Musical Manufacturers' Corporation, Baltimore, Md. Stringed musical instruments and their accessories. 228,592; June 22.

Busch Mystery Mouthpiece Co., The, New York, N. Y. Mouthpieces for brass-wind and wood-wind musical instruments. 228,971; June 22.

California Wall Bed Company, San Francisco, Calif. Concealable beds. 231,721; June 22.

Cannon, Sarah B., Chicago, Ill. Kidney medicine. 230,988; June 22.

Carson Pirie Scott & Co., Chicago, Ill. Children's play suits. 231,521; June 22.

Carson Pirie Scott & Co., Chicago, Ill. Hosiery. 231,522; June 22.

Carswell, Firman L., Manufacturing Company, The, Kansas City, Kans. Road graders. 229,663; June 22.

Carter Radio Co., Chicago, Ill. High-resistance potentiometer in the nature of a rheostat. 227,163; June 22.

Central Radio Laboratories, Milwaukee, Wis. Rheostats and resistance devices for radio signaling apparatus. 209,527; June 22.

Chase Candy Company, St. Joseph, Mo. Candy. 231,309; June 22.

Chemas, Mike, Humboldt, Ariz. Pickled turnips. 230,871; June 22.

Chemical Treatment Company, Inc., New York, N. Y. Liquid floor coatings. 230,014; June 22.

Chemosan Aktiengesellschaft, Vienna, Austria. Desiccated gland extracts in pill and tablet form. 214,127; June 22.

Chester Knitting Mills, St. Louis, Mo. Hosiery. 231,585; June 22.

Chicago Merchandise & Equipment Co., Chicago, Ill. Golf balls. 230,527; June 22.

Cohn, Leon, doing business as "Parfumerie Forest", Paris, France. Perfume, toilet water, face powder, rouge, etc. 231,660; June 22.

Colbert Drug Co., The. (See Collenberg, Girdwood.)

Colbert, Willard, & Giles, New York, N. Y. Silk piece goods. 225,633; June 22.

Collenberg, Girdwood, doing business as The Colbert Drug Co., Baltimore, Md. Constipation medicine. 230,528; June 22.

Collins & Aikman Co., Philadelphia, Pa. Upholstery fabrics. 211,735; June 22.

Collins, J. N., Company, Minneapolis, Minn. Candies. 230,721–2; June 22.

Consolidated Millinery Company, Chicago, Ill. Ladies', misses', and juniors' hats. 229,503; June 22.

Consolidated Publishers Inc., Philadelphia, Pa. Publication issued periodically. 230,442; June 22.

Continental Oil Company, The. (See Sack, Benjamin.)

Cook, H. H., San Francisco, Calif. Wheat flour. 227,297; June 22.

Davis, Jerry, Moorestown, N. J. Insecticide. 230,784; June 22.

Deglet Noor Date Growers Association, The, Indio, Calif. Fresh and candied dates. 208,282; June 22.

Deitsch Brothers, New York, N. Y. Suitcases and overnight bags. 229,162; June 22.

Dennis, Warren H., Woodston, Kans. Stomach medicine. 230,030; June 22.

Dictaphone Corporation, Bridgeport, Conn. Telephonic signal recorders, telephone signal amplifiers, etc. 215,510; June 22.

Dictaphone Corporation, Bridgeport, Conn. Radio receiving sets and parts thereof. 225,080; June 22.

Di Santo, Joseph, doing business as Di Santo & Co., Duluth, Minn. Malt sirup, candies, canned peas, tea, coffee, etc. 226,888; June 22.

Doolan, James F., Manufacturing Corp., New York, N. Y. Electric wiring. 230,287; June 22.

Doukas, John, New York, N. Y. Candies. 228,687; June 22.

Dunn & McCarthy, Inc., Auburn, N. Y. Boots, shoes, and slippers. 230,232; June 22.

Duplex Envelope Co. Inc., Richmond, Va. Periodicals. 231,099; June 22.

Eagle Stove Works, Rome, Ga. Wood and coal stoves and ranges. 228,599; June 22.

Eaton Axle & Spring Company, The, Cleveland, Ohio. Axles, springs, and bumpers for vehicles. 228,462; June 22.

Elgin American Mfg. Co., Elgin, Ill. Alloy of metals. 230,730; June 22.

Elkin Canning Company, Elkin, N. C. Canned blackberries, apples, corn, etc. 227,400; June 22.

Emanuel, Rose, Stamford, Conn. Beautifying cream for prevention of sunburn, freckles, etc. 230,162; June 22.

Empringham, James, New York, N. Y. Remedy for constipation. 231,250; June 22.

Engel, H., Sons & McClelland, New York, N. Y. Handkerchiefs. 229,170; June 22.

Esmond Mills, The, Esmond, Smithfield, R. I. Textile blankets. 228,673–4; June 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Essco Manufacturing Co., Peoria, Ill. Electric street traffic signals and parts thereof. 228,304; June 22.
Ever-Ready Food Products Company, Carrick, Pa. Pineapple, chocolate, Scotch caramel, etc. 231,032; June 22.
F & M Importing Co., Los Angeles, Calif. Canned fish, fruits, vegetables, etc. 231,252; June 22.
Falk-Feierstein Company, The, Cleveland, Ohio. Coats. 224,907; June 22.
Famous Features Syndicate, Inc., New York, N. Y. Newspaper feature articles. 230,878; June 22.
Fatta, George B., & Sons, Amsterdam, N. Y. Sport hose. 231,033; June 22.
Favorite Stove & Range Co., Piqua, Ohio. Oil ranges, oil stoves, and oil burners. 230,447; June 22.
Fiber Case & Novelty Co. (See Meyerson, Max.)
Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 214,653; June 22.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot-water boilers. 230,094; June 22.
Ford, Elmer A., doing business as Ford's Auto Polish Company, Westfield, N. J. Automobile polish, furniture polish, etc. 231,475; June 22.
Frankenmuth Cheese Mfg. Co., Frankenmuth, Mich. Cheese. 210,654; June 22.
Franklin Simon & Co. Inc., New York, N. Y. Dresses, suits, coats, sweaters, etc. 225,880; June 22.
Friedl, Lambert, New York, N. Y. Phonograph reproducers. 227,229; June 22.
General Fireproofing Company, The, Youngstown, Ohio. Desk tops. 230,535; June 22.
General Hosiery Company, Fort Wayne, Ind. Hosiery. 231,478–9; June 22.
General Necessities Corporation, Detroit, Mich. Refrigerators. 231,538; June 22.
Gifford, Kerr, & Co. Inc., Portland, Oreg. Wheat flour, Graham flour, whole-wheat flour, etc. 223,519; June 22.
Gill, Homer C., Columbus, Ohio. Coal. 229,557; June 22.
Gischow, Otto R., Company, Inc., New York, N. Y. Panel dials for radio receiving sets and the like. 222,319; June 22.
Golden Rule, Inc., The, Columbus, Ohio. Wool wadding for comfortables. 229,331; June 22.
Golf Illustrated, Inc., New York, N. Y. Monthly magazine. 230,325; June 22.
Gordon & Ferguson, Inc., St. Paul, Minn. Leather blouses, leather vests, and sheep-lined jackets and coats. 231,668; June 22.
Gothic Watch Co. Inc., New York, N. Y. Watches. 227,740; June 22.
Graybar Electric Company, Incorporated, New York, N. Y. Electric flatirons and vacuum cleaners. 230,028–30; June 22.
Great Atlantic & Pacific Tea Co., The, Jersey City, N. J. Butter. 211,353; June 22.
Grinnell Brothers, Detroit, Mich. Musical instruments. 174,656; June 22.
Groub, John C., Company, The, Seymour, Mitchell, and Connersville, Ind. Canned pork and beans, vegetables and salmon, prepared mustard, etc. 226,956; June 22.
Hammack Chocolate Co., Inc., Baltimore, Md. Candy. 230,173; June 22.
Harris, Frank E., Co. Inc., Binghamton, N. Y. Food-flavoring extracts. 224,385; June 22.
Harrow-Taylor Butter Co., Kansas City, Mo. Butter. 229,910; June 22.
Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Medicinal solution. 231,432; June 22.
Hartford Metal Products Company. (See Post & Lester Company.)
Hartmann, Franz, Charlottenburg-Berlin, Germany. Ventilating apparatus. 229,680; June 22.
Hassendeubel Grocery Company, The, St. Louis, Mo. Canned fruits, berries, vegetables, fish, etc. 227,583; June 22.
Heinr., Dr., Traun & Söhne, vormals Hnrburger Gummi-Kamm-Compagnie, Hamburg, Germany. Synthetic and other artificial resins. 230,063; June 22.
Heiss, Brush & Co., Inc., New York, N. Y. Handkerchiefs. 226,901; June 22.
Heller Brothers Importing Co., Inc., doing business as Vita Fish Preserving Works New York N. Y. Pickled herring. 228,242; June 22.
Henderson, N. E., and Son, Inc., Philadelphia, Pa. Push buttons, hangers, chains, supports, etc., for electric-lighting fixtures. 201,499; June 22.
Hildredth Varnish Company, Inc., New York, N. Y. Ready-mixed paint and varnish. 229,733; June 22.
Hoffman Bros., New York, N. Y. Hats and caps. 218,970; June 22.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 229,913; June 22.
Hollidge, C. Crawford, Boston, Mass. Women's, girls', and misses' undergarments and clothing. 231,544; June 22.
Holmes Coal Company, The, Cincinnati, Ohio. Coal. 230,242; June 22.
Horn & Hardart Baking Company, Philadelphia, Pa. Sandwiches, cooked meats, fresh, cooked, and canned vegetables, bran flakes, etc. 228,243; June 22.
Hoss, L. E., assignor to L. E. Hoss Publishing Company, Salt Lake City, Utah. Periodical. 230,547; June 22.
Hug, Ludwig F., doing business as L. F. Hug & Co., New York, N. Y. Woolen piece goods. 230,791; June 22.
Huguenin Frères & Cie. Fabrique Niel, Le Locle, Switzerland. Watchcases. 225,013; June 22.
Ibold, Michael, Inc., Cincinnati, Ohio. Cigars. 226,819; June 22.
Ide, Geo. P., & Co., Inc., Troy, N. Y. Collars. 231,675–6; June 22.
Ideal Radiotelefon- & Apparatefabrik G. m. b. H., Berlin, Germany. Headphones, earpieces, rheostats, dials, etc. 228,001; June 22.
Inderrieden, J. B., Co., Chicago, Ill. Nuts and nut meats. 230,825; June 22.
International Silver Company, Meriden and Bridgeport, Conn. Unplated base-alloy flatware. 230,100; June 22.
Inter-State Tatler Company, New York, N. Y. Pictorial weekly newspaper. 231,611; June 22.
Iron Mountain Company, Chicago, Ill. Electrical stop lights for use upon vehicles. 208,765; June 22.
Jacquin, Léon, Paris, France. Chocolates. 221,705; June 22.
Jones-Dabney Company, Incorporated, Louisville, Ky. Nitrocellulose lacquer. 228,317; June 22.
Jones, Howard B., Chicago, Ill. Electrical unit. 214,363; June 22.
Jostam Manufacturing Co., Chicago, Ill. Recoil pads for gunstocks. 231,546; June 22.
Jungmann & Co. Incorporated, New York, N. Y. Material for hardening and waterproofing concrete, cement, etc. 219,281–2; June 22.
Justine's. (See Berg, John C.)
K K Importing Co., New York, N. Y. Watch crystals. 224,710; June 22.
Kienzle Uhrenfabriken A. G., Schwenningen, Germany. Clocks, watches, and parts thereof. 193,466; June 22.
Kingman, Fong, doing business as F. Kingman & Company, Sacramento, Calif. Face powders, creams, and packs, rouges, perfumes, etc. 226,550; June 22.
Kirk Milling Company, The, Findlay, Ohio. Wheat flour. 228,379; June 22.
Kirsche-Pfiffelbach, A., G. m. b. H., Trautzschen, near Pegau, Germany. Vegetable seeds. 212,336; June 22.
Koenig, Harry D., doing business as Harry D. Koenig & Co., New York, N. Y. Manicure implements and menthol inhalers. 225,426; June 22.
Kralyptene Chemical Company, El Paso, Tex. Medicine for the treatment of pyorrhea. 230,486; June 22.
Lambert Bewkes Co., Paterson, N. J. Shirts and blouses, dresses, and aprons. 231,487; June 22.
Lautenberg, Saul, Company, Inc., New York, N. Y. Ladies' hats. 225,285; June 22.
Les Etablissements Poulenc Frères, Paris, France. Phenylmethyl-malonylurea, which is employed in the treatment of epilepsy. 214,329; June 22.
Les Etablissements Poulenc Frères, Paris, France. Chemical product. 214,799; June 22.
Les Etablissements Poulenc Frères, Paris, France. Sulpharsphenamine, which is arsenical. 214,800; June 22.
Lewis, William, & Son, Chicago, Ill. Shoulder pads for musical instruments. 225,790; June 22.
Liebmann Breweries Inc., Brooklyn, N. Y. Malt beverages. 231,111; June 22.
Lincoln Electric Company, The, Cleveland, Ohio. Electric motors. 211,601; June 22.
Long, Herbert C., San Francisco, Calif. Table sirups. 212,011; June 22.
Loo, Yun Sann, Honolulu, Hawaii. Cough medicine, liniment, laxatives, etc. 230,180; June 22.
Lüling, F. Wilhelm, Volmarstein-on-the-Ruhr, Germany. Padlocks, door locks, furniture locks, latches, and bolts. 216,275; June 22.
Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 230,635–6; June 22.
Magnolia Products Co. (See Union Beverage Company.)
Mallowette Company, The. (See Ballard, R. H.)
Mankato Hatchery. (See Weber, William A.)
Manville Jenckes Company, Providence, R. I. Cotton and mixed piece goods, draperies, and textile fabrics in the piece in the manufacture of pneumatic and solid tires. 211,112; June 22.
Marcy Farms. (See Meloney, Ulmer L. and A. D.)
Marr & Pearson, Los Angeles, Calif. Building and art plasters. 228,823; June 22.
Marshall Field & Company, Chicago, Ill. Buttons. 229,553; June 22.
Martin-Page Co., Middlesboro, Ky. Ladies' shirred garters. 231,334; June 22.
Meena, Thos. E., doing business as Meena Malt Extract Co., Atlanta, Ga. Malt sirup. 228,614; June 22.
Mellen and Applebaum, Los Angeles, Calif. Cigarettes. 230,753; June 22.
Meloney, Ulmer L. and Avis D., doing business as Marcy Farms, Matawan, N. J. Farm and dairy products. 222,268; June 22.
Meyer-Schmid Grocer Company, St. Louis, Mo. Canned fruits, vegetables, fish, and oysters, pepper sauce, etc. 227,030; June 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Meyerson, Max, doing business as Fibre Case & Novelty Co., New York, N. Y. Carrying boxes formed of sheet fiber. 214,374; June 22.
Mez, Carl, & Söhne A. G., Vienna, Austria. Sewing silk, cotton, linen, hemp, etc., threads and yarns. 231,555; June 22.
Mid-West Sales Corporation, The, Cincinnati, Ohio. Battery compound. 229,975; June 22.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Inked ribbons and carbon papers. 211,753; June 22.
Milner, Willard E., doing business as Milner Provision Co., Frankfort, Ind. Ham, bacon, and lard. 225,371; June 22.
Mitchell, Almont, Whiteville, Tenn. Toilet cream, cold cream, vanishing cream, shampoo, etc. 231,159; June 22.
Montuori, Felix C., Washington, D. C. Dental apparatus and supplies. 231,493; June 22.
Movie Weekly Publishing Corporation, New York, N. Y. Monthly magazine. 231,059; June 22.
Müller & Mann, Barmen, Germany. Buttons. 228,467; June 22.
Musical Manufacturers' Corporation. (See Burdwise, Aaron, assignor.)
National Automobile Association, The, Boston, Mass. Prints and publications. 230,758; June 22.
National Electric Novelty Co., New York, N. Y. Dry batteries. 221,847; June 22.
National Pure Food Company, Inc., Baltimore, Md. Gelatin preparation for table dessert. 230,113; June 22.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Folding ironing tables. 216,204; June 22.
Nellson, Albert H., doing business as A. H. Nellson Manufacturing Company, Tulsa, Okla. Oil-well pumps, safety sucker-rod elevators, and sucker-rod sockets. 227,031; June 22.
Neo-Syn Company, The, Minneapolis, Minn. Sedatives. 231,335; June 22.
Nicholson, Mollie E., Chevy Chase, Md. Periodical publication. 230,894; June 22.
Nontell, Howard J., doing business as Puget Sound Laboratory, Seattle, Wash. Pharmaceutical preparation. 231,336; June 22.
Northwest Canning Company, Salem, Oreg. Canned loganberries and pumpkin. 215,810; June 22.
Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. 229,520–1; June 22.
Old Ben Coal Corporation, Chicago, Ill. Coal. 230,409; June 22.
Pacific States Mechanical Works, Los Angeles, Calif. Spark timers for internal-combustion engines. 224,348; June 22.
"Parfumerie Forest." (See Cohn, Leon.)
Patch, William M., doing business as Patch & Co., assignor to Patches Publishing Company, New York, N. Y. Weekly publication. 230,412; June 22.
Patches Publishing Company. (See Patch, William M., assignor.)
Paterson, John, Portland, Oreg. Tea. 228,535; June 22.
Patstone, Arthur L., doing business as Aywon Storage Battery Co., Atlantic, Mass. Storage batteries. 208,360; June 22.
Pearlotion Company. (See Wahlberg, Henry.)
Pease, Everette J., Manhattan, Kans. Toasted food product. 230,190; June 22.
Penber, W. T., Stores, Limited, The, Toronto, Ontario, Canada. Hair dyes. 226,911; June 22.
Penn Confectionery Co., Philipsburg, Pa. Chocolate candies. 224,779; June 22.
Penn Leather Company, Philadelphia, Pa. Leather soles, taps, tap soles, and half soles. 227,598; June 22.
Perkins Marine Lamp Corporation, Brooklyn, N. Y. Lamps, lanterns, toggle switches, fuse plugs, etc. 225,965; June 22.
Perryman Electric Company, Inc., New York, N. Y. Vacuum tubes. 222,761; June 22.
Philadelphia Quartz Company, Philadelphia, Pa. Heating-system attachment. 228,930; June 22.
Platt & Brahm Coal Company, Chicago, Ill. Coal. 229,054; June 22.
Polly Portable Phonograph Co., Inc., The, New York, N. Y. Musical instruments and supplies. 219,692; June 22.
Pontiac Press Company, Pontiac, Mich. Daily newspaper. 231,281; June 22.
Posner Hosiery, Inc., New York, N. Y. Hosiery, shoes, nightgowns, etc. 226,020; June 22.
Post & Lester Company, The, doing business as Hartford Metal Products Company, Hartford, Conn. Radio receiving sets and parts thereof. 228,068; June 22.
Potter Confectionery Co., Cambridge, Mass. Candy. 231,448; June 22.
Pride Lamp Shade Co., Medford, Mass. Lamp shades. 230,117; June 22.
Progressive Musical Instrument Corporation, New York, N. Y. Reeds for saxophones and clarinets. 223,329; June 22.
Progressive Musical Instrument Corporation, New York, N. Y. Violins. 223,331; June 22.
Proto Zyme Laboratories, Inc., Pittsburgh, Pa. Preparation for the treatment of gonorrhea. 231,064; June 22.
Proto Zyme Laboratories, Inc., Pittsburgh, Pa. Preparation for the treatment of syphilis. 231,065; June 22.
Puget Sound Laboratory. (See Nontell, Howard J.)
Quaker City Rubber Company, Wissinoming, Philadelphia, Pa. Machinery packing. 229,704; June 22.
Quality Bakers of America, New York, N. Y. Magazine. 231,166; June 22.
Randa Hat Co., New York, N. Y. Ladies' hats. 230,800; June 22.
Ready Cooked Cereal Co., Minneapolis, Minn. Whole wheat and cooked whole rye. 229,644; June 22.
Reed & Carnrick, Jersey City, N. J. Preparation used in the treatment of sexual glandular insufficiency and accompanying conditions. 230,950–1; June 22.
Reichmann Company, Chicago, Ill. Induction coils. 210,185; June 22.
Reliable Watch Company Inc., New York, N. Y. Watches, watch movements, and watch cases. 226,684; June 22.
Rex, M. A., Los Angeles, Calif. Canned tunny (fish). 227,039; June 22.
Richards, George, & Company, Chicago, Ill. Electrical devices. 225,037; June 22.
Ritz Import & Export Corporation, New York, N. Y. Toy music boxes. 224,501; June 22.
Robitshek-Robbins Co., Minneapolis, Minn. Clothing. 222,945; June 22.
Ruegnitz, Bernard A., Dubuque, Iowa. Ointment for the treatment of goiter. 228,940; June 22.
Sack, Benjamin, doing business as The Continental Oil Company, New York, N. Y. Ammonia. 230,897; June 22.
Sagamore Sporting Goods Corporation, Brooklyn, N. Y. Footballs, boxing gloves, striking bags, etc. 228,486; June 22.
Salodent Company, The. (See Sharp, Dr. Jacob.)
Santnella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,577; June 22.
Santaella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,579–80; June 22.
Santaella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,583; June 22.
Santnella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,587; June 22.
Sargent & Greenleaf, Inc., Rochester, N. Y. Combination locks. 231,635; June 22.
Schlinger, Louis, New York, N. Y. Infants' and children's dresses and skirts. 216,225; June 22.
Schroeder, Henry L., Chicago, Ill. Bakers' equipment. 197,120; June 22.
Schwabacher Bros. & Co. Inc., Seattle, Wash. Canned vegetables, fruits, berries, and fish, spices, cocoa, olives, etc. 230,126; June 22.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Writing material and drawing material. 226,829–31; June 22.
Scodes, Antonio, Laurel Hill, N. Y. Rubber heels and soles for shoes. 230,128; June 22.
Selle, H. W., & Co., Chicago, Ill. Packing pads. 230,644; June 22.
Seufert Brothers Company, The Dalles, Oreg. Canned fish and fruits. 224,428; June 22.
Sharp, Dr. Jacob, doing business as The Salodent Company, New Haven, Conn. Tooth powder. 231,213; June 22.
Shott, Allen T., Cincinnati, Ohio. Refrigerators. 231,214; June 22.
Shotwell Mfg. Co., The, Chicago, Ill. Candy and candy bars. 230,687; June 22.
Sierra Oil Company, Fresno, Calif. Petroleum products. 221,451; June 22.
Simms, A. J., & Company, Tampa, Fla. Monthly publication. 231,570; June 22.
Sisk, Albert W., & Son, Preston, Md. Vegetables. 211,060; June 22.
Smith, William, Omaha, Nebr. Radio receiving sets and parts thereof and combination radio receiving sets and talking machines. 223,487; June 22.
Souter, Eugene H., Kansas City, Mo. Gasoline. 228,203; June 22.
Southern California Fish Corporation, East San Pedro, Calif. Canned fish. 231,285; June 22.
Spalding, A. G., & Bros., New York, N. Y. Tennis rackets. 230,853; June 22.
Spanel, Abraham N., Rochester, N. Y. Renovating devices to be used in connection with vacuum cleaners. 229,303; June 22.
Sparks Milling Company, Alton, Ill. Wheat flour. 230,596; June 22.
Standard Electric Sign Company, San Francisco, Calif. Electric signs. 226,892; June 22.
Standard Motor Parts Company, Detroit, Mich. Metal parts for automobiles, trucks, etc. 208,819; June 22.
Standard Nut Co., Inc., Cambridge, Mass. Salted nuts. 218,872; June 22.
Strietmann Biscuit Co., The, Cincinnati, Ohio. Crackers. 229,990; June 22.
Supreme Pants Co., New York, N. Y. Boys' pants. 223,812; June 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Symington Company, The, New York and Rochester, N. Y. Malleable castings. 231,502; June 22.
"The Exhibitor," Philadelphia, Pa. Semimonthly magazine. 231,603; June 22.
Themans Coal Company, Inc., New York, N. Y. Coal. 230,696; June 22.
Thomas-Smith Company, The, Canton, Ohio. Electric bells and gongs. 202,643; June 22.
Thomas Steel Products Company, The, Warren, Ohio. Cold-rolled strip steel. 229,203; June 22.
Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties Inc., Springfield, Mass. Materials for preventing freezing of water in automobile radiators. 205,248; June 22.
Thompson, L. A., Scenic Railway Company, The, New York, N. Y. Amusement and scenic railways and equipment therefor. 218,379; June 22.
Topics, Inc., Chicago, Ill. Monthly magazine. 230,322; June 22.
Trastour Candy Company, Franklin, La. Candy. 231,080; June 22.
Tripler, F. R., & Co., Inc., New York, N. Y. Hats for men and young men. 230,461; June 22.
Twin Coupler Company, Poughkeepsie, N. Y. Insulating materials. 228,955; June 22.
Union Beverage Company, Inc., doing business as Magnolia Products Co., New Orleans, La. Malt sirup. 225,945; June 22.
United States Music Company, Chicago, Ill. Perforated music rolls. 191,729; June 22.
Van Landingham Co., The, Los Angeles, Calif. Canned fish, fruits, and vegetables. 223,978; June 22.
Van Stan, Victor F., Philadelphia, Pa. Adhesive cement. 229,764; June 22.
Vita Fish Preserving Works. (See Heller Brothers Importing Co.)
Wahlberg, Henry, doing business as Pearlotion Company, Minneapolis, Minn. Hand and face lotion. 223,948; June 22.
Walker, Fred, & Co., Propritary Limited, Melbourne, Victoria, Australia. Canned meats. 222,097; June 22.
Waterbury Battery Co., The, Waterbury, Conn. Primary batteries and parts thereof. 230,371; June 22.
Waterman, J. S., & Co., Inc., New Orleans, La. Wheat flour. 229,068; June 22.
Weber, F., Co., Philadelphia, Pa. Artists', school, and show-card colors in tubes, etc., artists' oils, varnishes, etc. 228,342; June 22.
Weber, F., Co., Philadelphia, Pa. Palettes, palette cups, and palette knives, modeling tools, etchers, etc. 228,344; June 22.
Weber, William A., doing business as Mankato Hatchery, Mankato, Minn. Live poultry. 224,310; June 22.
Webster, William A., Company, The, Memphis, Tenn. Face powders, creams, packs, rouges, perfumes, etc. 230,066; June 22.
Weil Clothing Company, St. Louis, Mo. Suits, overcoats, vests, shirts, etc. 230,601; June 22.
Weiss, Frank L., Bronx, N. Y. Incandescent lamps. 227,701; June 22.
West Indies Fruit Importing Company, Chicago, Ill. Fresh pineapples. 216,243; June 22.
Wester Bros., New York, N. Y. Cutlery. 229,484; June 22.
White, H. N., Company, The, Cleveland, Ohio. Band instruments. 228,453; June 22.
Whitlock Cordage Company, New York, N. Y. Rope. 230,604–5; June 22.
Whitworth & Mitchell, Limited, Manchester, England. Cotton piece goods. 231,083; June 22.
Wigdahl, E. K., Chicago, Ill. Games played with cubes. 230,861; June 22.
Wilfred Manufacturing Co., Terre Haute, Ind. Healing antiseptic and disinfectant. 230,906; June 22.
Willey Co. Inc., The, Philadelphia, Pa. Clothes-washing machines, clothes extractors, etc. 201,017; June 22.
Williams, White & Co., Moline, Ill. Grinding machines. 227,866; June 22.
Winston, Harper, Fisher Company, assignor to Winston and Newell Co., Minneapolis, Minn. Canned fish balls, canned lobster, canned oysters, etc. 208,028; June 22.
Woman's Democratic Club, Rockville, Md. Periodical issued quarterly. 230,907; June 22.
Wrigley, Wm., Jr., Company, Chicago, Ill. Chewing gum. 231,229; June 22.
Wyner, I. A., & Co., Inc., New York, N. Y. Knitted piece goods. 231,509; June 22.
Yo! Ho! Products Company, The, Louisville, Ky. Cake flour. 230,704; June 22.
York Heating & Ventilating Corporation, Bridgeport and Philadelphia, Pa. Indirect-heating units. 208,213; June 22.
Zabel, W. C., Co., The, Youngstown, Ohio. Malt sirups. 229,139; June 22.
Zerbst Pharmacal Company, St. Joseph, Mo. Remedy for coughs and bronchial trouble. 230,468; June 22.
Zeuzius, Matthew J., doing business as Blue Blood Shippers, Los Angeles, Calif. Fresh deciduous fruits. 231,297; June 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Clay. Philadelphia Clay Company. 214,342; June 22; Serial No. 225,136; published Apr. 6, 1926.
Coal. Central Pocahontas Coal Company. 214,515; June 22.
Coal. New Pittsburgh Coal Company. 214,439; June 22; Serial No. 222,864; published Mar. 9, 1926.
Coal. S. J. Patterson Company. 214,348; June 22; Serial No. 225,238; published Mar. 9, 1926.
Coal. Pittsburgh and Midway Coal Mining Company. 214,360; June 22; Serial No. 225,674; published Mar. 16, 1926.
Coal. St. Clair Coal Company. 214,455; June 22; Serial No. 218,880; published Oct. 27, 1925.
Coal and coke. O. J. Stephens. 57,081; renewed Oct. 30, 1926.
Coal, carbonized fuel, and coke. Powhatan Mining Company. 214,389; June 22; Serial No. 226,864; published Mar. 30, 1926.
Coke. Whiteley & Foedisch. 214,351; June 22; Serial No. 225,294; published Mar. 30, 1926.
Fur skins. S. Rubinton. 214,313; June 22; Serial No. 207,951; published Mar. 30, 1926.
Goatskins, calfskins, and cowhide, Finished. H. Lowenstein. 214,359; June 22; Serial No. 225,563; published Mar. 16, 1926.
Hides, skins, leather, etc. Penn Leather Company. 214,390; June 22; Serial No. 226,861; published Mar. 30, 1926.
Hides, skins, leather, etc. Penn Leather Company. 214,391; June 22; Serial No. 226,784; published Mar. 30, 1926.
Leather, Sole. England-Walton Company. 214,394; June 22; Serial No. 226,480; published Mar. 30, 1926.
Minerals, Pulverized. International Pulp Co. 214,467; June 22; Serial No. 225,717; published Mar. 16, 1926.
Plastic modeling compound. Wallbrunn, Kling & Co. 214,504; June 22.
Seed mixtures, Field and lawn. Atlantic Seed Company. 214,355–6; June 22; Serial Nos. 225,462–3; published Mar. 9, 1926.
Silk waste, Artificial. E. W. Dutton Inc. 214,397; June 22; Serial No. 226,133; published Mar. 30, 1926.

CLASS 6.

Blue and wash blue, Ball. Heller & Merz Co. 56,482; renewed Sept. 25, 1926.
Chemicals. Brunner, Mond & Co. 56,887; renewed Oct. 23, 1926.
Cologne, cologne waters and extracts. Franklin Simon & Co. 214,482; June 22.
Cologne, cologne waters and extracts. Franklin Simon & Co. 214,484; June 22.
Compacts, refills, toilet powder, powder sachet, and dusting powders. Franklin Simon & Co. 214,480–1; June 22.
Medicated sherry. P. Maggini. 214,509; June 22.
Medicine for the treatment of hog cholera. A. W. Bohde. 214,400; June 22; Serial No. 226,038; published Mar. 30, 1926.
Perfume, toilet water, face powder. "Parfise." 214,499; June 22.
Pickling salt. H. Lavin. 214,496; June 22.
Preparations for cleansing and preserving the teeth and mouth. K. K. Landespriv. Milly-Kerzen-, Seifen- und Glycerin-Fabrik von F. A. Sarg's Sohn & Co. 54,110; renewed June 19, 1926.
Remedies for coughs, colds, etc. Kerr Chemical Company. 214,495; June 22.
Restoratives, Hair. S. R. Van Duzer. 56,026; renewed Aug. 21, 1926.
Skin food and massage cream. J. D. McCann Co. 55,896; renewed Aug. 21, 1926.
Tea. Sprague, Warner & Company. 56,181; renewed Aug. 28, 1926.
Toilet articles. A. H. Arlt. 214,456; June 22; Serial No. 219,615; published Mar. 16, 1926.

CLASS 10.

Fertilizer. A. Dickman. 214,463; June 22; Serial No. 228,089; published Apr. 13, 1926.

CLASS 11.

Inking ribbons and carbon paper. Royal Typewriter Company. 214,474; June 22; Serial No. 228,666; published Apr. 27, 1926.

CLASS 12.

Brick. Alabama Clay Products Company. 214,392–3; June 22; Serial Nos. 226,620–1; published Mar. 30, 1926.
Brick. Canton Brick and Fireproofing Co. 214,375; June 22; Serial No. 207,066; published Apr. 6, 1926.
Brick, Face and common. Des Moines Clay Company. 214,353; June 22; Serial No. 225,402; published Mar. 9, 1926.
Brick, Fire. W. S. Dickey Clay Manufacturing Company. 214,336; June 22; Serial No. 226,131; published Mar. 30, 1926.
Bricks. Brazil Clay Company. 214,399; June 22; Serial No. 226,039; published Mar. 30, 1926.
Bricks, slabs, blocks, and partitions. Matz Building Products Corporation. 214,354; June 22; Serial No. 225,437; published Mar. 9, 1926.
Building blocks, bricks, and building tile made of concrete. W. E. Dunn. 214,347; June 22; Serial No. 225,223; published Mar. 9, 1926.
Cement. A/S. Dalen Portland-Cementfabrik. 214,469; June 22; Serial No. 222,784; published Apr. 6, 1926.
Cement, coloring for cement and mortar, materials for dustproofing cement floors, etc., Colored. Master Builders Company. 214,365; June 22; Serial No. 209,169; published Mar. 16, 1926.
Cement or other porous building material, Waterproofing. F. H. Bergmann. 214,325–6; June 22; Serial Nos. 224,229–30; published Feb. 16, 1926.
Cement, Pipe-joint. Wolverine Brass Works. 214,322; June 22; Serial No. 223,151; published Mar. 30, 1926.
Clay preparation used as a surface covering. H. A. Rogers Co. 214,440; June 22; Serial No. 222,996; published Mar. 16, 1926.
Lumber. Weitzel Flooring Corporation. 214,461–2; June 22; Serial Nos. 225,334–5; published Mar. 9, 1926.
Lumber, Domestic and foreign hardwood and soft-wood. Cadwallader-Gibson Lumber Co. 214,470–1; June 22; Serial Nos. 218,287–8; published Mar. 30, 1926.
Lumber, Dressed or rough. Standard. 214,478; June 22.
Metal grating for floorings, staircases, and roadways. Irving Iron Works Company. 214,335; June 22; Serial No. 226,289; published Mar. 30, 1926.
Mullite, Refractory materials, particularly. Exolon Company, The. 214,323; June 22; Serial No. 223,225; published Apr. 6, 1926.
Plaster, Sound-absorbing. Keasbey & Mattison Company. 214,448; June 22; Serial No. 224,917; published Mar. 9, 1926.
Rock, dolomite, marble, and silicate, Crushed white. Chamberlain Company. 214,398; June 22; Serial No. 226,128; published Mar. 30, 1926.
Roofing tiles. Hawthorne Roofing Tile Company. 214,447; June 22; Serial No. 224,459; published Mar. 9, 1926.
Shingles, Asphalt composition. B. F. Nelson Manufacturing Company. 214,308; June 22; Serial No. 191,278; published Apr. 6, 1926.
Shingles, Composition. Richardson Company. 214,377; June 22; Serial No. 208,870; published Apr. 6, 1926.
Stucco. Beatstone Stucco Company. 214,334; June 22; Serial No. 226,329; published Apr. 6, 1926.
Stucco, composition flooring, interior plaster, and dashes, Exterior magnesite. Flint-Rock Stucco Company. 214,371; June 22; Serial No. 191,377; published Apr. 6, 1926.
Stucco, composition flooring, magnesia flooring, etc. Franklyn R. Muller, Inc. 214,364; June 22; Serial No. 201,971; published Mar. 9, 1926.
Tiles, Partition. Texas Cement Plaster Co. 214,441; June 22; Serial No. 223,001; published Mar. 30, 1926.
Veneer and plywood. American Plywood Corporation. 214,324; June 22; Serial No. 223,360; published Apr. 6, 1926.
Wall covering, wall plaster, and finishing plaster, Plastic. United States Gypsum Company. 214,346; June 22; Serial No. 225,209; published Mar. 9, 1926.

CLASS 13.

Handles, knobs, knockers, casters, toilet seats, furniture sliders, etc., Door. Bakelite Corporation. 214,366; June 22; Serial No. 222,425; published Apr. 6, 1926.
Metal parts for desks and other desk parts. Clemetsen Company. 214,369; June 22; Serial No. 225,073; published Mar. 9, 1926.
Window-sash holders and window-sash-holder parts. C. B. McAuley. 214,508; June 22.

CLASS 15.

Fuels, Internal-combustion-engine. Mitchel Oil Company of New Jersey. 214,413; June 22; Serial No. 226,204; published Mar. 23, 1926.
Gasoline. Richardson Lubricating Company. 214,425–6; June 22; Serial Nos. 210,754–5; published Mar. 9, 1926.
Gasoline, kerosene, fuel oil, and petroleum distillate. H. K. Stahl Company. 214,419; June 22; Serial No. 219,908; published Mar. 23, 1926.
Gasoline, kerosene, lubricating oils, and greases. Correct Motor Fuels, Inc. 214,418; June 22; Serial No. 227,633; published Mar. 30, 1926.
Oil, Lubricating. Sun Oil Company. 214,430; June 22; Serial No. 208,021; published Apr. 7, 1925.
Oils, Lubricating. Valvoline Oil Company. 56,816; renewed Oct. 23, 1926.
Petroleum products. Eagle-Picher Lead Company. 214,410; June 22; Serial No. 224,553; published Mar. 30, 1926.

CLASS 16.

Lacquers, lacquer enamels, and lacquer thinners. Egyptian Lacquer Manufacturing Company. 214,396; June 22; Serial No. 226,236; published Mar. 23, 1926.
Paints and paint enamels. R. F. Johnston Paint Company. 214,498; June 22.
Polish, Detergent. Buffalo Specialty Company. 56,782; renewed Oct. 16, 1926.

CLASS 19.

Aeroplanes. Curtiss Aeroplane and Motor Company. 244,333; June 22; Serial No. 226,584; published Apr. 6, 1926.
Automobile windshields, Nonglare attachment for. E. Garson. 214,460; June 22; Serial No. 220,300; published Feb. 23, 1926.
Automobiles. Reo Motor Car Company. 214,339; June 22; Serial No. 225,575; published Apr. 6, 1926.
Automobiles. Riefling Automobile Company. 214,468; June 22; Serial No. 224,988; published Mar. 16, 1926.
Automobiles, Rear-vision mirror for. Woolworth Chemical Company. 214,466; June 22; Serial No. 225,753; published Apr. 13, 1926.
Axles, brakes, fenders, etc. O. R. Peterson Co. 214,321; June 22; Serial No. 221,636; published Mar. 16, 1926.
Bicycle rims. Dayton Rolled Metal Company. 214,338; June 22; Serial No. 225,596; published Mar. 30, 1926.
Bicycle saddles, foot pedals, vehicle springs, brakes, rear-vision mirrors. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 214,380; June 22; Serial Nos. 219,941–4; published Mar. 9, 1926.
Bicycle saddles, foot pedals, vehicle springs, etc. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 214,317–19; June 22; Serial Nos. 219,942–4; published Mar. 9, 1926.
Bicycle saddles, foot pedals, vehicle springs, etc. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 214,459; June 22; Serial No. 219,940; published Mar. 9, 1926.
Bicycles. Kaufmann Department Stores, Inc. 214,341; June 22; Serial No. 225,476; published Mar. 30, 1926.
Bicycles, parts thereof, accessories therefor, and sundries relating thereto (not tires). Des Moines Cycle Co. 214,472; June 22; Serial No. 214,948; published Apr. 6, 1926.
Shades for automobile headlights, Metallic dimmer. A. Chipka. 214,438; June 22; Serial No. 224,236; published Mar. 9, 1926.
Shock absorbers. Burwell Corporation. 214,357; June 22; Serial No. 225,466; published Mar. 9, 1926.
Shock absorbers for motor vehicles. Gemco Manufacturing Company. 214,387; June 22; Serial No. 222,787; published Mar. 16, 1926.
Shock absorbers, tire-chain adjusters, axle parts, running-board braces, etc., for vehicles. Joplin Supply Company. 214,340; June 22; Serial No. 225,561; published Apr. 6, 1926.
Taxicabs. Cabco Sales Corporation. 214,382; June 22; Serial No. 220,757; published Mar. 16, 1926.
Trucks, Motor. Selden Truck Corporation. 214,349–50; June 22; Serial Nos. 225,286–7; published Mar. 9, 1926.

CLASS 21.

Batteries, Dry. French Battery & Carbon Company. 214,431; June 22; Serial No. 206,952; published Mar. 23, 1926.
Electric decorative lighting outfits for Christmas trees and the like. United States Electric Manufacturing Corporation. 214,405–6; June 22; Serial Nos. 221,649–50; published Mar. 23, 1926.
Fans, Electrical. United Electrical Mfg. Co. 214,404; June 22; Serial No. 221,464; published Dec. 15, 1925.
Insulation boards, panels, blocks, etc., Electrical. Panelyte Board Company. 214,401; June 22; Serial No. 189,987; published Mar. 23, 1926.
Lamps, Mercury-vapor arc. Cooper Hewitt Electric Company. 214,435; June 22; Serial No. 203,259; published Mar. 30, 1926.
Radioamplifiers, radiosilencers, etc. Pfanstiehl Radio Service Company. 214,436; June 22; Serial No. 202,221; published Mar. 23, 1926.
Radio receiving and transmitting sets and parts thereof. Hardman, Peck & Co. 214,422; June 22; Serial No. 212,734; published Mar. 23, 1926.
Radio receiving sets and parts thereof. W-K Electric Company. 214,429; June 22; Serial No. 209,264; published June 23, 1925.
Radio use, Electrical transformer for. Karas Electric Company. 214,421; June 22; Serial No. 216,607; published Mar. 23, 1926.
Radio vacuum tubes. United Radio & Electric Corporation. 214,415; June 22; Serial No. 226,747; published Mar. 30, 1926.

Transformers. All-American Radio Corporation. 214,427; June 22; Serial No. 210,210; published Mar. 30, 1926.
Vacuum cleaners, Electrically-operated. Frank H. Stewart Electric Co. 214,420; June 22; Serial No. 217,741; published Mar. 30, 1926.
Vacuum tube for use in radio apparatuses. A. N. Pierman. 214,424; June 22; Serial No. 211,224; published May 26, 1925.
Vacuum tubes. Westinghouse Electric & Manufacturing Company. 214,432–3; June 22; Serial No. 204,986–7; Mar. 30, 1926.

CLASS 23.

Chopping machines and meat presses, Meat-. Enterprise Manufacturing Company of Pennsylvania. 56,956; renewed Oct. 30, 1926.
Cutlery. George Wostenholm & Son, Limited. 56,558; renewed Oct. 9, 1926.
Ejectors, bilge pumps, sump pumps, turbines, turbine engines, etc., Sewage. Nash Engineering Company. 214,516; June 22.
Gummer files. Smith-Newman Mfg. Co. 214,491; June 22.
Guns, Straightedge-forming attachment for spray. Spraco Painting Equipment Company. 214,417; June 22; Serial No. 227,539; published Apr. 13, 1926.
Saws. J. N. Eberle & Co. 54,305; renewed June 26, 1926.
Saws, circular knives, saw bits, and saw shanks, Circular. Southern Saw Works. 214,517; June 22.
Sugar can, Apparatus for handling. American Hoist & Derrick Co. 214,488; June 22.
Tools and machines and parts thereof, Power-driven threading and pipe-working. Oster Manufacturing Company. 214,409; June 22; Serial No. 224,201; published Apr. 13, 1926.

CLASS 26.

Radio vacuum tubes. Devices for determining the characteristics of. Jewell Electrical Instrument Co. 214,483; June 22.
Taximeters. Ohmer Fare Register Company. 214,490; June 22.
Taximeters. Ohmer Fare Register Co. 214,493; June 22.
Taximeters. Ohmer Fare Register Company. 214,510; June 22.

CLASS 27.

Clocks. E. Ingraham Company. 214,402; June 22; Serial No. 220,070; published Mar. 9, 1926.

CLASS 28.

Bracelets, bib holders, necklaces, etc. F. Le Bron. 214,428; June 22; Serial No. 209,997; published Mar. 23, 1926.
Precious metal, Fastening devices made of or plated with. W. P. Talbot. 214,407; June 22; Serial No. 221,789; published Mar. 23, 1926.
Rings, Finger. Blancard & Co. 214,412; June 22; Serial No. 225,994; published Mar. 23, 1926.
Rings, Wedding. Blancard & Co. 214,411; June 22; Serial No. 225,993; published Mar. 23, 1926.
Silver hollow ware. Bernard Rice's Sons, Inc. 214,414; June 22; Serial No. 226,223; published Mar. 23, 1926.

CLASS 32.

Tables, Kitchen. Mutschler Brothers Company. 214,507; June 22.

CLASS 34.

Air-conditioning apparatus and cooling and ventilating systems. Arctic Nu-Air Cooling & Ventilating Company. 214,379; June 22; Serial No. 219,654; published Apr. 6, 1926.
Air diffusers for auditoriums, Underseat. Knowles Mushroom Ventilator Co. 214,344; June 22; Serial No. 224,566; published Apr. 6, 1926.
Boilers and coal furnaces. Hart & Crouse Company. 214,452; June 22; Serial No. 216,098; published Mar. 16, 1926.
Burners, Oil. Cottonwood Fiber Company. 214,449; June 22; Serial No. 224,958; published Mar. 30, 1926.
Burners, Petroleum-oil. Petroleum Heat & Power Co. 214,358, June 22; Serial No. 225,489; published Mar. 9, 1926.
Fuel-burning devices. W. B. Wilde Co. 214,454; June 22; Serial No. 218,678; published Mar. 16, 1926.
Furnaces and water heaters, hot-water boilers, etc., Hot-air. American Furnace & Foundry Co. 214,315; June 22; Serial No. 211,195; published Mar. 16, 1926.
Furnaces, Coal. Oakland Foundry Company. 214,385; June 22; Serial No. 221,197; published Mar. 16, 1926.
Furnaces for facilitating the consumption of coal gas, Mixers for use in. P. Kennedy. 214,473; June 22; Serial No. 189,461; published Mar. 16, 1926.
Furnaces, Hot-air. Standard Furnace and Supply Company. 214,511; June 22.
Heaters, Automobile. E. Burke. 214,457; June 22; Serial No. 219,714; published Mar. 16, 1926.
Heaters, Water. R. L. Geasler. 214,337; June 22; Serial No. 225,919; published Apr. 6, 1926.
Heaters, water-storage heaters, pipe fittings, etc., Hot-water. Cleveland Heater Company. 214,345; June 22; Serial No. 225,171; published Mar. 30, 1926.
Mantles, gas and oil lamps, chandeliers, etc., Upright and inverted gas. Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung. 214,310; June 22; Serial No. 206,282; published Mar. 9, 1926.
Radiators. G. P. Schmitt. 214,307; June 22; Serial No. 179,745; published Mar. 9, 1926.
Ranges and tank heaters, Gas. Abram Cox Company. 214,518; June 22.
Stove dampers and spindles therefor. Stover Manufacturing & Engine Co. 214,464; June 22; Serial No. 226,213; published Mar. 30, 1926.
Stoves and furnaces, Coal. Premier Warm Air Heater Company. 214,312; June 22; Serial No. 207,402; published Mar. 16, 1926.
Stoves, oil burners, and wicks, Oil. Sears, Roebuck and Co. 214,465; June 22; Serial No. 225,981; published Mar. 30, 1926.
Valves and parts thereof, Thermostatically-controlled. Bastian-Morley Co. 214,362; June 22; Serial No. 225,864; published Mar. 30, 1926.

CLASS 35.

Belting, Rubber. Speck, Marshall & Co. 52,822; renewed May 15.
Packing, Machinery. C. A. Daniel. 52,414; renewed May 8, 1926.
Tubes, rubber boots, garden hose, etc., Repair packages for inner. Ractne Rubber Company. 214,492; June 22.

CLASS 36.

Phonograph instruments and the like, Records for. Oriental Music Shop, Inc. 214,403; June 22; Serial No. 220,913; published Mar. 16, 1926.
Phonographs, pianos, violins, etc. H. Küchenmeister. 214,437; June 22; Serial No. 200,993; published Mar. 9, 1926.
Pianos. Emerson Piano Company. 53,383; renewed June 5, 1926.

CLASS 37.

Paper, Matrix. Eaton-Dikeman Co. 214,370; June 22; Serial No. 227,575; published Apr. 6, 1926.
Papers, Writing and drawing. R. J. Balston. 57,014–15; renewed Oct. 30, 1926.

CLASS 38.

Cards, Advertising window display. A. Binger. 56,744; renewed Oct. 16, 1926.

CLASS 39.

Boots and shoes, Leather. W. L. Douglas Shoe Co. 53,799–800; renewed June 12, 1926.
Hats. Young Brothers. 55,488; renewed Aug. 14, 1926.
Hosiery. John Wanamaker, New York. 214,434; June 22; Serial No. 204,944; published Mar. 31, 1925.
Hosiery. Y. & B. Hosiery Mills. 214,316; June 22; Serial No. 215,195; published Dec. 1, 1925.
Shirts, pants, and overalls, Work. J. M. Haggar. 214,383; June 22; Serial No. 221,056; published Mar. 16, 1926.
Suits, knickerbockers, trousers, topcoats, etc., Men's. John Shannon & Son, Ltd. 214,505; June 22.
Suits, Men's and boys'. L. Kupferman & Co. 214,443; June 22; Serial No. 223,792; published Apr. 6, 1926.

CLASS 40.

Dress shields. I. B. Kleinert Rubber Company. 57,144; renewed Nov. 6, 1926.

CLASS 42.

Bunting in the piece. Reed and Bryan. 214,485; June 22.
Carpets, Textile. Bigelow-Hartford Carpet Company. 214,423; June 22; Serial No. 211,324; published Apr. 13, 1926.
Cotton fabrics. Roanoke Mills Company. 214,489; June 22.
Drapery fabrics. Moss Rose Manufacturing Company. 214,475; June 22.
Silk and cotton goods in the piece. Wm. Simpson Sons & Co. 214,479; June 22.
Silk piece goods. Zollinger & Schroth. 214,502; June 22.
Silk piece goods. Zollinger & Schroth. 214,513; June 22.
Silk piece goods. Zollinger & Schroth. 214,522; June 22.
Woolens in the piece. Great Grimsby Textile Company. 214,500; June 22.

CLASS 44.

Bandages, Suspensory. A. R. Chisholm. 214,514; June 22.
Radium plaques, ozonizing apparatus, dental and surgical instruments, etc. Bakelite Corporation. 214,367; June 22; Serial No. 222,432; published Apr. 6, 1926.
Serviettes. Thomas Products, Inc. 214,468; June 22; Serial No. 223,822; published Mar. 16, 1926.

CLASS 45.

Beverages. Sprague, Warner & Company. 55,882; renewed Aug. 21, 1926.
Beverages and sirup for making same. Florida Beverage Syrup Company. 214,476; June 22.
Beverages and sirups for making the same. George Schneider and Company. 214,486–7; June 22.
Ginger ale. Clicquot Club Company. 214,501; June 22.

CLASS 46.

Bread, cakes, biscuits, wafers, and crackers. A/S Sætre Kjeksfabrik Aktieselskab. 214,408; June 22; Serial No. 222,801; published Mar. 30, 1926.
Bread making or as yeast food, Preparation to be used in. Takamine Laboratory, Inc. 214,330; June 22; Serial No. 226,606; published Apr. 6, 1926.
Butter. A/S L. E. Bruun. 214,384; June 22; Serial No. 221,089; published Mar. 2, 1926.
Butter. R. M. Burnett. 56,951; renewed Oct. 30, 1926.
Cake frosting or cake icing, Prepared. K. Harris, jr. 214,328; June 22; Serial No. 226,809; published Mar. 30, 1926.
Candy. Hartlove Candy Company. 214,416; June 22; Serial No. 227,015; published Mar. 23, 1926.
Candy and chewing gum. American Chicle Company. 214,503; June 22.
Candy, Bar. Allen-Qualley Company. 214,386; June 22; Serial No. 221,686; published Apr. 6, 1926.
Candy objects representing golf balls and golf-club heads. A. Bowen. 214,442; June 22; Serial No. 223,160; published Apr. 6, 1926.
Canned and preserved fruits, baked beans, canned meats, chili sauce, etc. Samuel Kunin & Sons. 214,453; June 22; Serial No. 218,646; published Mar. 30, 1926.
Canned corn, pumpkins, and tomatoes. St. Paul Canning Co. 214,395; June 22; Serial No. 226,448; published Apr. 6, 1926.
Canned fruits and vegetables. Booth Packing Company. 57,135–6; renewed Nov. 6, 1926.
Canned fruits and vegetables, olives, etc. Lucido Brothers Grocery Co. 214,332; June 22; Serial No. 226,668; published Mar. 30, 1926.
Canned fruits, soups, vegetables, and tomato catchup. W. M. Harris & Sons. 214,327; June 22; Serial No. 226,900; published Apr. 6, 1926.
Canned fruits, vegetables, sea food, etc. Hassendeubel Grocery Company. 214,521; June 22.
Canned goods, jams, pickles, etc. H. Jevne Co. 214,309; June 22; Serial No. 201,561; published Jan. 20, 1925.
Canned sardines. Iwan Burger, Inc. 214,444–5; June 22; Serial Nos. 224,232–4; published Apr. 6, 1926.
Canned vegetables. H. C. Baxter & Brother. 214,352; June 22; Serial No. 225,343; published Apr. 6, 1926.
Canned vegetables. Idaho Canning Co., Ltd. 214,361; June 22; Serial No. 225,716; published Apr. 6, 1926.
Canned vegetables and berries. Star Canning Co. 214,331; June 22; Serial No. 226,693; published Mar. 30, 1926.
Canned vegetables, fruits, and fish, dried fruits, catchup, etc. Downing Taylor Company. 214,320; June 22; Serial No. 219,948; published Apr. 6, 1926.
Cantaloupes and tomatoes, Fresh. F. W. Whitney. 214,381; June 22; Serial No. 220,586; published Apr. 6, 1926.
Chicken fat, roast chicken, cakes, pies, bread, rolls. O. Garfein. 214,520; June 22.
Chocolates. Rockwood & Co. 214,388; June 22; Serial No. 227,249; published Apr. 6, 1926.
Coffee. H. M. B. Mack. 214,500; June 22.
Dressing, Salad. Sprague, Warner & Company. 55,834; renewed Aug. 21, 1926.
Fruit, Fresh. B. H. Betz. 214,519; June 22.
Fruits, Preserved. Ambrosia Concepción Bastida Solano (vde. de Doroteo Moreno). 214,512; June 22.
Gum, Chewing. American Chicle Company. 214,363; June 22; Serial No. 227,154; published Apr. 6, 1926.
Gum, Chewing. Forban Company. 214,314; June 22; Serial No. 210,545; published Apr. 6, 1926.
Ham and bacon. Sprague, Warner & Company. 55,956; renewed Aug. 21, 1926.
Malt sirup. S. Stone. 214,458; June 22; Serial No. 219,918; published Mar. 30, 1926.
Malt sirup for food purposes. M. M. Gugenheim. 214,329; June 22; Serial No. 226,854; published Mar. 30, 1926.
Olive oil. Esposito Bros. 214,372–3; June 22; Serial Nos. 199,277–8; published Apr. 6, 1926.
Olive oil. Trieste Importing Co. 214,378; June 22; Serial No. 218,883; published Apr. 6, 1926.
Oysters and shrimp. Aughinbaugh Canning Company. 57,575; renewed Nov. 13, 1926.
Sirup. Sprague, Warner & Company. 55,836; renewed Aug. 21, 1926.
Tapioca. E. W. Durkee. 214,494; June 22.

CLASS 50.

Auto top finish—a waterproof fabric. J. C. Haartz Company. 214,343; June 22; Serial No. 224,910; published Apr. 6, 1926.
Carpet liner, felt, and felt pieces. Reynolds Felt Company Incorporated. 214,376; June 22; Serial No. 208,362; published Apr. 6, 1926.
Display figures, Automatic window. R. G. Koch. 214,451; June 22; Serial No. 216,052; published Mar. 9, 1926.
Duck, Green. E. C. Perry. 214,477; June 22.
Ladders and scaffolding. American Safety Device Company. 214,497; June 22.
Ribbon, paper, tape, and swatters, Fly. R. E. Tongue & Bros. Co. 214,450; June 22; Serial No. 225,066; published Mar. 9, 1926.
Rubberized woven and unwoven fabrics. A. Sydeman. 214,311; June 22; Serial No. 206,700; published Mar. 9, 1926.
Statuettes. Old King Cole, Inc. 214,374; June 22; Serial No. 206,431; published Apr. 6, 1926.
Waterproof fabric. J. C. Haartz Co. 214,456; June 22; Serial No. 224,456; published Mar. 16, 1926.

ALPHABETICAL LIST OF LABELS.

Borden's Challenge Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 30,517; June 22.
Candibran. For a Laxative. W. A. Shoales. 30,537; June 22.
Country Club. For Bacon Squares. Kroger Grocery & Baking Co. 30,521; June 22.
Date Loaf. For Candy. R. T. Blanton. 30,516; June 22.
Dr. Scholl's Digito Bunion Appliance. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,531; June 22.
Dr. Scholl's Foot Rest. For Arch Supports. Scholl Mfg. Co. 30,528; June 22.
Dr. Scholl's 400 Arch. For Arch Supports. Scholl Mfg. Co. 30,529; June 22.
Dr. Scholl's Heel Cushion. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,536; June 22.
Dr. Scholl's Nu-Grip Heel Liner. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,534; June 22.
Dr. Scholl's Toe-Flex. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,532; June 22.
Dr. Scholl's Toe Separator. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,533; June 22.
Dr. Scholl's Up-Lift. For Arch Supports. Scholl Mfg. Co. 30,530; June 22.
Dr. Scholl's Walk-Strate Heel Pads. For Foot-Corrective Appliances. Scholl Mfg. Co. 30,535; June 22.
Fisher. For Whisky. Baltimore Distilling Company. 30,514; June 22.
Household. For Apples. Olympia Canning Company. 30,525; June 22.
La Greide's Nipigon Bait And Fly Line Dressing. For Bait and Fly-Line Dressing. N. H. La Greide. 30,522; June 22.
McCormick-Deering Cream Separator Oil. For Oil. International Harvester Company. 30,520; June 22.
Parks. For Hosiery. Parks Hosiery Mills, Inc. 30,526; June 22.
Rainbow Reflects Quality. For Malt Sirup. C. G. McCaffrey. 30,523; June 22.
Restwell Line. For Mattresses. American Mattress Works Inc. 30,513; June 22.
Rose. For Fresh Grapes. Sanger Fruit Growers' Ass'n. 30,527; June 22.
Standard Generator Brushes. For Generator Brushes. G. D. Grant. 30,518; June 22.
Summer And Winter Sleep-Rite Mattress. For Mattresses. W. L. Grapp. 30,519; June 22.
Table Mountain. For Canned Ripe Olives. Wyandotte Olive Growers Association. 30,538; June 22.
Thurston. For Canned Pears. Olympia Canning Company. 30,524; June 22.
Vupack Mailing Card. For Souvenir Mailing Cards. J. C. Bardell. 30,515; June 22.

ALPHABETICAL LIST OF PRINTS.

Banishes Grey Hair In 15 Minutes. For Hair Colorings. Rap-I-Dol Co. 8,913; June 22.
Coffee Direct From The Plantation. For Coffee. Reid, Murdoch & Co. 8,914; June 22.
Eldridge Buick Rebuilt Cars. For Built-Over Motor Cars. Eldridge-Buick Company. 8,909; June 22.
5 In 1. For a Cleaning And Preserving Polish. Hillyard Chemical Company. 8,912; June 22.
Les Pastels Coty. For Rouges. Coty, Inc. 8,907–8; June 22.
The Approved Wayside Stations Inc. An Endless Chain Of Superior Service. For Candy, Refreshments, and Cigars. F. D. Griggs. 8,910; June 22.
There Is No 'Substitute' For Comfort! For Athletic Underwear. B. V. D. Company. 8,906; June 22.
Unusual Gifts Of Genuine Utility. For Hardware. Hammacher, Schlemmer & Co. 8,911; June 22.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. H. C. Gill. 229,557; June 22.
Coal. Holmes Coal Company. 230,242; June 22.
Coal. Old Ben Coal Corporation. 230,409; June 22.
Coal. Platt & Brahm Coal Company. 229,054; June 22.
Coal. Themans Coal Company. 230,696; June 22.
Seeds, Vegetable. A. Kirsche-Piffelbach G. m. b. H. 212,336; June 22.
Wool wadding for comfortables. Golden Rule, Inc. 229,331; June 22.

CLASS 2.

Boxes, Carrying. M. Meyerson. 214,374; June 22.

CLASS 3.

Suitcases and over-night bags. Deitsch Brothers. 229,162; June 22.

CLASS 5.

Cement, Adhesive. V. F. Van Stan. 229,764; June 22.

CLASS 6.

Ammonia. B. Sack. 230,897; June 22.
Antiseptic and disinfectant, Healing. Wilfred manufacturing Co. 230,906; June 22.
Battery compound. Mid-West Sales Corporation. 229,975; June 22.
Chemical product. Les Etablissements Poulenc Frères. 214,799; June 22.
Cream, Beautifying. R. Emanuel. 230,162; June 22.
Cream, cold cream, vanishing cream, shampoo, etc., Toilet. A. Mitchell. 231,159; June 22.
Dyes, Hair. W. T. Pember Stores, Limited. 226,911; June 22.
Extracts in pill and tablet form, Desiccated gland. Chemosan Aktiengesellschaft. 214,127; June 22.
Insecticide. J. Davis. 230,784; June 22.
Lotion, Hand and face. H. Wahlberg. 223,948; June 22.
Materials for preventing freezing of water in automobile radiators. H. C. Thompson. 205,248; June 22.
Medicinal solution. Harrower Laboratory, Inc. 231,432; June 22.
Medicine, Constipation. G. Collenberg. 230,528; June 22.
Medicine for the treatment of pyorrhea. Kralyptene Chemical Company. 230,486; June 22.
Medicine, Kidney. S. B. Cannon. 230,988; June 22.
Medicine, liniment, laxatives, etc., Cough. Yun Sann Loo. 230,180; June 22.
Medicine, Stomach. W. H. Dennis. 231,030; June 22.
Ointment. B. A. Ruegnitz. 228,940; June 22.
Perfume, toilet water, face powder, rouge, etc. L. Cohn. 231,660; June 22.
Pharmaceutical preparation. H. J. Nontell. 231,336; June 22.
Phenylmethyl-malonylurea. Les Etablissements Poulenc Frères. 214,329; June 22.
Powder, Tooth. Dr. J. Sharp. 231,213; June 22.
Powders, creams, packs, rouges, perfumes, etc., Face. F. Kingman. 226,550; June 22.
Powders, creams, packs, rouges, perfumes, Face. William A. Webster Company. 230,066; June 22.
Preparation for the treatment of gonorrhea. Proto Zyme Laboratories, Inc. 231,064; June 22.
Preparation for the treatment of syphilis. Proto Zyme Laboratories, Inc. 231,065; June 22.
Preparation used in the treatment of sexual glandular insufficiency and accompanying conditions. Reed & Carnrick. 230,950–1; June 22.
Remedy for constipation. J. Empringham. 231,250; June 22.
Remedy for coughs and bronchial trouble. Zerbst Pharmacal Company. 230,468; June 22.
Resins, Synthetic and other artificial. Dr. Heinr. Traun & Söhne, vormals Harburger Gummi-Kamm-Compagnie. 230,063; June 22.
Sedatives. Neo-Syn Company. 231,335; June 22.
Sulpharsphenamine, which is arsenical. Les Etablissements Poulenc Frères. 214,800; June 22.

CLASS 7.

Rope. Whitlock Cordage Company. 230,604–5; June 22.

CLASS 9.

Recoil pads for gunstocks. Jostam Manufacturing Co. 231,546; June 22.

CLASS 11.

Inked ribbons and carbon papers. Miller-Bryant-Pierce Company. 211,753; June 22.

CLASS 12.

Cements and putties, etc. Armstrong Company. 193,494; June 22.
Concrete, cement, etc., Material for hardening and waterproofing. Jungmann & Co. Incorporated. 219,281–2; June 22.
Plaster, Building and art. Marr & Pearson. 228,823; June 22.

CLASS 13.

Heating-system attachment. Philadelphia Quartz Company. 228,930; June 22.

CLASS 14.

Castings, Malleable. Symington Company. 231,502; June 22.
Metals, Alloy of. Elgin American Mfg. Co. 230,730; June 22.
Steel, Cold-rolled strip. Thomas Steel Products Company. 229,203; June 22.

CLASS 15.

Gasoline. E. H. Souter. 228,203; June 22.
Petroleum products. Sierra Oil Company. 221,457; June 22.

CLASS 16.

Colors in tubes, etc., artists' oils, varnishes, Artists, school, and show-card. F. Weber Co. 228,342; June 22.
Furniture and automobile cleaner and polish. W. Anasto. 230,650; June 22.
Lacquer, Nitrocellulose. Jones-Dabney Company. 228,317; June 22.
Liquid floor coatings. Chemical Treatment Company. 230,014; June 22.
Paint and varnish, Ready-mixed. Hildredth Varnish Company. 229,733; June 22.
Polish, furniture polish, etc., Automobile. E. A. Ford. 231,475; June 22.

CLASS 17.

Cigarettes. Mellen and Applebaum. 230,753; June 22.
Cigars. Michael Ibold, Inc. 226,819; June 22.
Cigars. A. Santaella & Co. 230,577; June 22.
Cigars. A Santaella & Co. 230,579–80; June 22.
Cigars. A. Santaella & Co. 230,583; June 22.
Cigars. A. Santaella & Co. 230,587; June 22.

CLASS 19.

Axles, springs, and bumpers for vehicles. Eaton Axle & Spring Company. 228,462; June 22.
Brake rigging, brake heads, brake beams, etc. American Steel Foundries. 103,942; June 22.

CLASS 21.

Batteries and parts thereof, Primary. Waterbury Battery Co. 230,371; June 22.
Batteries, Dry. National Electric Novelty Co. 221,847; June 22.
Batteries, Storage. A. L. Patstone. 208,360; June 22.
Bells and gongs, Electric. Thomas-Smith Company. 202,643; June 22.
Electric-lighting fixtures, Push buttons, hangers, chains, supports, etc., for. N. E. Henderson and Son, Inc. 201,499; June 22.
Electric signs. Standard Electric Sign Company. 225,892; June 22.
Electric stop lights for use upon vehicles. Iron Mountain Company. 208,765; June 22.
Electric street traffic signals and parts thereof. Essco Manufacturing Co. 228,304; June 22.
Electric wiring. James F. Dolan Manufacturing Corp. 230,287; June 22.
Electrical devices. George Richards & Company. 225,037; June 22.
Electrical unit. H. B. Jones. 214,363; June 22.
Flatirons and vacuum cleaners, Electric. Graybar Electric Company. 230,028–30; June 22.
Headphones, earpieces, receiving sets, rheostats, etc. Ideal Radiotelefon- & Apparatefabrik G. m. b. H. 228,001; June 22.
Induction coils. Reichmann Company. 210,185; June 22.
Insulating materials. Twin Coupler Company. 228,955; June 22.
Lamps, Incandescent. F. L. Weiss. 227,701; June 22.
Lamps, lanterns, toggle switches, fuse plugs, etc. Perkins Marine Lamp Corporation. 225,985; June 22.
Lightning arresters and parts thereof. L. S. Brach Manufacturing Co. 228,959; June 22.
Lightning arresters and parts thereof. L. S. Brach Manufacturing Co. 229,322; June 22.
Motors, Electric. Lincoln Electric Company. 211,601; June 22.
Potentiometer, High-resistance. Carter Radio Co. 227,163; June 22.
Radio devices. Alden Manufacturing Company. 229,608; June 22.
Radio receiving sets and parts thereof. Dictaphone Corporation. 225,080; June 22.
Radio receiving sets and parts thereof. Post & Lester Company. 228,068; June 22.
Radio receiving sets and parts thereof and combination radio receiving sets and talking machines. W. Smith. 223,487; June 22.

Radio receiving sets and radio apparatus. G. M. Best. 228,735–6; June 22.
Radio receiving sets and the like, Panel dials for. Otto R. Gischow Company. 222,319; June 22.
Radio signaling apparatus, Rheostats and resistance devices for. Central Radio Laboratories. 209,527; June 22.
Spark timers for internal-combustion engines. Pacific States Mechanical Works. 224,348; June 22.
Telephone systems, Automatic. Automatic Electric Inc. 230,428; June 22.
Telephonic signal recorders, telephone signal amplifiers, etc. Dictaphone Corporation. 215,510; June 22.
Vacuum tubes. Perryman Electric Company. 222,761; June 22.

CLASS 22.

Amusement and scenic railways and equipment therefor. L. A. Thompson Scenic Railway Company. 218,379; June 22.
Dolls. Annin & Co. 229,018; June 22.
Footballs, boxing gloves, striking bags, etc. Sagamore Sporting Goods Corporation. 228,486; June 22.
Games played with cubes. E. K. Wigdahl. 230,861; June 22.
Golf balls. Chicago Merchandise & Equipment Co. 230,527; June 22.
Tennis rackets. A. G. Spalding & Bros. 230,853; June 22.
Toy music boxes. Ritz Import & Export Corporation. 224,051; June 22.

CLASS 23.

Baker's equipment. H. L. Schroeder. 197,120; June 22.
Cutlery. Wester Bros. 229,484; June 22.
Flatware, Unplated base-alloy. International Silver Company. 230,100; June 22.
Gears. Automotive Gear Works, Inc. 230,470; June 22.
Graders, Road. Firman L. Carswell Manufacturing Company. 229,663; June 22.
Grinding machines. Williams, White & Co. 227,866; June 22.
Jacks, Hydraulic. Aladdin Hydraulic Jack Company. 230,072; June 22.
Metal parts for automobiles, trucks, etc. Standard Motor Parts Company. 208,319; June 22.
Palettes, palette cups, and palette knives, modeling tools, etchers, etc. F. Weber Co. 228,344; June 22.
Pumps, safety sucker-rod elevators, and sucker-rod sockets, Oil-well. A. H. Neilson. 227,031; June 22.
Razor-blade-stropping machine, Safety-. J. Barton. 230,004; June 22
Renovating devices. A. N. Spanel. 229,303; June 22.

CLASS 24.

Ironing tables, Folding. National Washboard Company. 216,204; June 22.
Washing machines, clothes extractors, etc., Clothes-. Willey Co., Inc. 201,017; June 22.

CLASS 25.

Locks, Combination. Sargent & Greenleaf, Inc. 231,685; June 22.
Padlocks, door locks, furniture locks, latches, and bolts. F. W. Lüling. 216,275; June 22.

CLASS 26.

Dispensing devices, Oil and grease. Bennett Pumps Corporation. 223,681; June 22.

CLASS 27.

Bracelets and watch bracelets. Acme Watch Case Co. 193,647; June 22.
Clocks, watches, and parts thereof. Kienzle Uhrenfabriken A. G. 193,466; June 22.
Watchcases. Huguenin Frères & Cie. Fabrique Niel. 225,013; June 22.
Watches. Gothic Watch Co. Inc. 227,740; June 22.
Watches, watch movements, and watchcases. Reliable Watch Company Inc. 226,684; June 22.

CLASS 31.

Refrigerators. General Necessities Corporation. 231,538 June 22.
Refrigerators. A. T. Shott. 231,214; June 22.

CLASS 32.

Beds, Concealable. California Wall Bed Company. 231,721; June 22.
Chairs, settees, tables, beds, etc., Household. Buoyant Upholstery Company Limited. 215,332; June 22.
Desk tops. General Fireproofing Company. 230,535; June 22.

CLASS 33.

Watch crystals. K K Importing Co. 224,710; June 22.

CLASS 34.

Boilers, Steam and hot-water. Fitzgibbons Boiler Company. 230,094; June 22.
Heating units, Indirect-. York Heating & Ventilating Corporation. 208,213; June 22.
Lamp shades. Pride Lamp Shade Co. 230,117; June 22.
Ranges, stoves, and burners, Oil. Favorite Stove & Range Co. 230,447; June 22.
Stoves and ranges. Eagle Stove Works. 228,599; June 22.
Ventilating apparatus. F. Hartmann. 229,680; June 22.

CLASS 35.

Packing, Machinery. Quaker City Rubber Company. 229,704; June 22.

CLASS 36.

Band instruments. H. N. White Company. 228,453; June 22.
Banjo ukuleles, ukuleles, mandolins, and guitars. Artophone Corporation. 229,080; June 22.
Banjos, Tenor. Artophone Corporation. 229,079; June 22.
Music rolls, Perforated. United States Music Company. 191,729; June 22.
Musical instruments. Grinnell Brothers. 174,656; June 22.
Musical instruments and supplies. Polly Portable Phonograph Co. 219,692; June 22.
Musical instruments and their accessories, Stringed. A. Burdwise. 228,592; June 22.
Musical instruments, Mouthpieces for brass-wind and wood-wind. Busch Mystery Mouthpiece Co. 228,971; June 22.
Phonograph reproducers. L. Friedl. 227,229; June 22.
Piano actions. Auto Pneumatic Action Company. 228,352; June 22.
Saxophones and clarinets, Reeds for. Progressive Musical Instrument Corporation. 223,329; June 22.
Violins. Progressive Musical Instrument Corporation. 223,331; June 22.

CLASS 37.

Writing and drawing material. Schwan-Bleistift-Fabrik A.-G. 226,829–31; June 22.

CLASS 38.

Magazine. Quality Bakers of America. 231,166; June 22.
Magazine, Monthly. Golf Illustrated, Inc. 230,335; June 22.
Magazine, Monthly. Macfadden Publications Incorporated. 230,635–6; June 22.
Magazine, Monthly. Movie Weekly Publishing Corporation. 231,059; June 22.
Magazine, Monthly. Topics, Inc. 230,322; June 22.
Magazine, Semimonthly. "The Exhibitor." 231,663; June 22.
Newspaper, Daily. Pontiac Press Company. 231,281; June 22.
Newspaper, Evening and Sunday. Brooklyn Citizen. 231,238; June 22.
Newspaper feature articles. Famous Features Syndicate. 230,878; June 22.
Newspaper, Pictorial weekly. Inter-State Tatler Company. 231,611; June 22.
Periodical. Bethlehem Globe Publishing Company. 230,655; June 22.
Periodical. L. E. Hoss. 230,547; June 22.
Periodical issued quarterly. Woman's Democratic Club. 230,907; June 22.
Periodicals. Duplex Envelope Co. Inc. 231,099; June 22.
Prints and publications. National Automobile Association. 230,758; June 22.
Publication issued periodically. Consolidated Publishers Inc. 230,442; June 22.
Publication, Monthly. A. J. Simms & Company. 231,570; June 22.
Publication, Periodical. M. E. Nicholson. 230,894; June 22.
Publication, Weekly. W. M. Patch. 230,412; June 22.
Tickets, coupons, and restaurant checks, Printed. Arcus Ticket Co. 230,865; June 22.

CLASS 39.

Blouses, leather vests, and sheep-lined jackets and coats. Leather, Gordon & Ferguson, Inc. 231,668; June 22.
Boots, shoes, and slippers. Dunn & McCarthy, Inc. 230,232; June 22.
Clothing. Robitshek-Robbins Co. 222,945; June 22.
Coats. Falk-Felerstein Company. 224,907; June 22.
Collars. Geo. P. Ide & Co. 231,675–6; June 22.
Corsets, brassières, camisoles, etc. American Lady Corset Co. 230,649; June 22.
Dresses and skirts, Infants' and children's. L. Schlinger. 216,225; June 22.
Dresses, suits, coats, and sweaters, etc. Franklin Simon & Co. Inc. 225,880; June 22.
Fabric cover to be worn over ballet slippers while in use. B. S. Bonaventure. 230,157; June 22.
Garters, Ladies' shirred. Martin-Page Co. 231,334; June 22.
Hats. Consolidated Millinery Company. 229,503; June 22.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hats and caps. Hoffman Bros. 218,970; June 22.
Hats for men and young men. F. R. Tripler & Co. 230,461; June 22.
Hats, Ladies'. Ogus, Rabinovich & Ogus, Inc. 229,520–1; June 22.
Hats, Ladies'. Randa Hat Co. 230,800; June 22.
Hats, Ladies'. Saul Lautenberg Company. 225,285; June 22.
Heels and soles for shoes, Rubber. A. Scodes. 230,128; June 22.
Hose, Sport. George B. Fatta & Sons. 231,033; June 22.
Hosiery. Carson Pirie Scott & Co. 231,522; June 22.
Hosiery. Chester Knitting Mills. 231,585; June 22.
Hosiery. General Hosiery Company. 231,478–9; June 22.
Hosiery, shoes, nightgowns, etc. Posner Hosiery, Inc. 226,020; June 22.
Overjackets and knit-bottom jackets, Men's and boys'. H. D. Bob Company Inc. 229,896; June 22.
Pants, Boys'. Supreme Pants Co. 223,812; June 22.
Shirts and blouses, dresses, and aprons. Lambert Bewkes Co. 231,487; June 22.
Soles, taps, tap soles, and half soles, Leather. Penn Leather Company. 227,598; June 22.
Suits, Children's play. Carson Pirie Scott & Co. 231,521; June 22.
Suits, overcoats, vests, shirts, etc. Weil Clothing Company. 230,601; June 22.
Suits, topcoats, vests, and pants. Admirable Clothes, Inc. 231,511; June 22.
Undergarments and clothing, Women's, girls', and misses'. C. C. Hollidge. 231,544; June 22.
Underwear, overalls, hosiery, etc. Blakely Dry Goods Co. 230,079; June 22.

CLASS 40.

Buttons. Marshall Field & Company. 229,553; June 22.
Buttons. Müller & Mann. 228,467; June 22.

CLASS 42.

Blankets, Textile. Esmond Mills. 229,673–4; June 22.
Cotton and mixed piece goods, draperies, and textile fabrics in the piece for use in the manufacture of pneumatic and solid tires. Manville Jenckes Company. 211,112; June 22.
Cotton piece goods. American Printing Company. 225,947; June 22.
Cotton piece goods. Whitworth & Mitchell, Limited. 231,083; June 22.
Fabrics, Upholstery. Collins & Aikman Co. 211,735; June 22.
Handkerchiefs. I. H. Bloom. 222,435; June 22.
Handkerchiefs. H. Engel Sons & McClelland. 229,170; June 22.
Handkerchiefs. Heiss, Brush & Co. 226,901; June 22.
Knitted piece goods. I. A. Wyner & Co. 231,509; June 22.
Silk piece goods. Willard Colbert & Giles. 225,633; June 22.
Woolen piece goods. L. F. Hug. 230,791; June 22.
Woolens and worsteds in the piece. Andrew's Mill Co. 229,371; June 22.
Worsted and woolen textile fabrics. Holden-Leonard Co. 229,913; June 22.

CLASS 43.

Silk, cotton, linen, hemp, etc., threads and yarns, Sewing. Carl Mez & Söhn A. G. 231,555; June 22.

CLASS 44.

Cupping glasses. G. C. Boulitte. 228,684; June 22.
Dental apparatus and supplies. F. C. Montuori. 231,493; June 22.
Manicure implements and menthol inhalers. H. D. Koenig. 225,426; June 22.
Pads for musical instruments, Shoulder. William Lewis & Son. 225,790; June 22.

CLASS 46.

Bread, pies, cakes, ice cream, and candy. J. C. Berg. 230,010; June 22.
Butter. Great Atlantic & Pacific Tea Co. 211,353; June 22.
Butter. Harrow-Taylor Butter Co. 229,910; June 22.
Butter, fresh and stale cream, honey, and fresh and dried vegetables. C. Bott. 223,765; June 22.
Candies. J. N. Collins Company. 230,721–2; June 22.
Candies. J. Doukas. 228,687; June 22.
Candies and fudge. Barager-Webster Company. 228,293; June 22.
Candies, Chocolate. Penn Confectionery. 224,779; June 22.
Candy. Chase Candy Company. 231,309; June 22.
Candy. Hammack Chocolate Co. 230,173; June 22.
Candy. Potter Confectionery Co. 231,448; June 22.
Candy. Trastour Candy Company. 231,080; June 22.
Candy and candy bars. Shotwell Mfg. Co. 230,687; June 22.
Candy bars. American Beverage & Candy Co. 207,163; June 22.
Candy bars. Blackhawk Candy Co. 230,715; June 22.
Candy confection. R. H. Ballard. 230,511–12; June 22.
Canned blackberries, apples, corn, etc. Elkin Canning Company. 227,400; June 22.
Canned corn. Bloomington Canning Company. 225,219; June 22.
Canned fish. Southern California Fish Corporation. 231,285; June 22.
Canned fish and fruits. Seufert Brothers Company. 224,428; June 22.
Canned fish balls, lobster, oysters, etc. Winston, Harper, Fisher Company. 208,028; June 22.
Canned fish, fruits, and vegetables. Van Landingham Co. 223,978; June 22.
Canned fish, fruits, vegetables, etc. F & M Importing Co. 231,252; June 22.
Canned fruits, berries, vegetables, fish, etc. Hassendeubel Grocery Company. 227,583; June 22.
Canned fruits, vegetables, fish, and oysters, pepper sauce, etc. Meyer-Schmid Grocer Company. 227,030; June 22.
Canned loganberries and canned pumpkin. Northwest Canning Company. 215,810; June 22.
Canned meats. Fred Walker & Co. Proprietary Limited. 222,097; June 22.
Canned pork and beans, vegetables, and salmon, prepared mustard, etc. John C. Groub Company. 226,956; June 22.
Canned salmon. Fidalgo Island Packing Company. 214,653; June 22.
Canned tunny (fish). M. A. Rex. 227,039; June 22.
Canned vegetables, fruits, berries, and fish, spices, tea, coffee, etc. Schwabacher Bros. & Co. Inc. 230,126; June 22.
Cheese. Frankenmuth Cheese Mfg. Co. 210,654; June 22.
Chocolates. L. Jacquin. 221,705; June 22.
Cookies. C. Boccia. 227,770; June 22.
Crackers. Strietmann Biscuit Co. 229,990; June 22.
Dates, Fresh and candied. Deglet Noor Date Growers Association. 208,282; June 22.
Flour, Cake. Yo! Ho! Products Company. 230,704; June 22.
Flour, Wheat. H. H. Cook. 227,297; June 22.
Flour, Wheat. Kirk Milling Company. 228,379; June 22.
Flour, Wheat. Sparks Milling Company. 230,596; June 22.
Flour, Wheat. J. S. Waterman & Co. 229,068; June 22.
Flour, Wheat, Graham, whole-wheat, etc. Kerr Gifford & Co. Inc. 223,519; June 22.
Food-flavoring extracts. Frank E. Harris Co. Inc. 224,385; June 22.
Food Product, Toasted. E. J. Pease. 230,190; June 22.
Fruits, Fresh deciduous. M. J. Zeunius. 231,297; June 22.
Gelatin preparation. National Pure Food Company. 230,113; June 22.
Gum, Chewing. Wm. Wrigley Jr. Company. 231,229; June 22.
Ham, bacon, and lard. W. E. Milner. 225,371; June 22.
Herring, Pickled. Heller Brothers Importing Co. 228,242; June 22.
Nuts and nut meats. J. B. Inderrieden Co. 230,825; June 22.
Nuts, Salted. Standard Nut Co. 213,672; June 22.
Pineapple, chocolate, Scotch caramel, etc. Ever-Ready Food Products Company. 231,032; June 22.
Pineapples, Fresh. West Indies Fruit Importing Company. 216,243; June 22.
Poultry, Live. W. A. Weber. 224,310; June 22.
Products, Farm and dairy. Ulmer L. and Avis D. Meloney. 222,268; June 22.
Sandwiches, cooked meats, fresh, cooked, and canned vegetables, bran flakes, etc. Horn & Hardart Baking Company. 228,243; June 22.
Sirup, candies, canned peas, cheese, tea, etc., Malt. J. Di Santo. 226,888; June 22.
Sirup, Malt. T. E. Meena. 228,614; June 22.
Sirup, Malt. Union Beverage Company. 225,945; June 22.
Sirup, Table. H. C. Long. 212,011; June 22.
Sirups, Malt. W. C. Zabel Co. 229,139; June 22.
Tea. J. Paterson. 228,555; June 22.
Turnips, Pickled. M. Chemas. 230,871; June 22.
Vegetables. Albert W. Sisk & Son. 211,060; June 22.
Wheat and cooked whole rye, Whole. Ready Cooked Cereal Co. 229,644; June 22.

CLASS 48.

Beverages, Malt. Liebmann Breweries, Inc. 231,111; June 22.

CLASS 50.

Awnings, tents, tarpaulins, and canopies. American Awning & Tent Co. 230,814; June 22.
Decorations, Flag. Annin & Co. 230,326; June 22.
Pads, Packing. H. W. Selle & Co. 230,644; June 22.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abetz, Joseph, New Britain, Conn. Creeper. 1,590,066; June 22.
Acheson, George W., Caldwell, N. J. Preparing pigment-oil compositions. 1,590,067; June 22.
Actien Gesellschaft für Anilin Fabrikation. (See Hagedorn, M., and Gladhorn, assignors.)
Actien Gesellschaft für Anilin Fabrikation. (See Hohmann, Wilhelm, assignor.)
Actien-Gesellschaft "Weser." (See Frensdorff, W., and Hein, assignors.)
Adams, Charles W., assignor to The United States Graphite Company, Saginaw, Mich. Graphitic bearing. 1,589,919; June 22.
Addressograph Company. (See Hubbard, Henry K., assignor.)
Aetna Rubber Company, The. (See Campbell, Stanley T., assignor.)
Agopian, Levon A., Paris, France. Apparatus for obtaining vitamines. 1,589,504; June 22.
Airo, Sally, assignor to Lincoln Manufacturing Company, Detroit, Mich. Ceiling lighting fixture. Des. 70,896; June 22.
Akers, Milton K., Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio signaling system. 1,589,344; June 22.
Aktiebolaget Atlas-Diesel. (See Danielsson, Axel U. S., assignor.)
Alford, Hubert G., Saskatoon, Saskatchewan, Canada. Brook holder. 1,589,616; June 22.
Albertoll, John, San Francisco, Calif., assignor to Seattle-Astoria Iron Works, Seattle, Wash., Can-capping machine. 1,589,920; June 22.
Albrecht, William F., Salt Lake City, Utah. Faucet-valve key. 1,590,068; June 22.
Aldrich, Alonzo, Beloit, Wis. Paper-making machine. 1,589,921; June 22.
Alexander, Dr., Wacker-Gesellschaft für Elektrochemische Industrie G. m. b. H. (See Hörmann, L., and Kaufler, assignors.)
Allingham, Sidney, London, and M. Soenens, assignors to Robert Boby Limited, Bury St. Edmunds, England. Conveyer for carrying fibrous material. 1,589,732; June 22.
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
American Automatic Heating Company. (See Humphrey, Raleigh O., assignor.)
American Copperas Company. (See Marsh, H. S., and Cochran, assignors.)
American Flyer Mfg. Co. (See Becker, Harry S., assignor.)
American Hardware Corporation, The. (See Hurd, Norman R., assignor.)
American Pin Company, Division Scoville Manufacturing Company, The. (See Condit, George M., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Jacobs, Oliver B., assignor.)
American Telephone and Telegraph Company. (See Loynes, O. H., and Ohl, assignors.)
American Warehouse Corp. (See Benedict, G. H., and Tucker, assignors.)
Ames, Bradford L., Boston, Mass. Soft-blower-tube mounting. 1,589,970; June 22.
Amsco Products Inc. (See Hardy, Charles, assignor.)
Anaconda Sales Company. (See Gillis, Julius H., assignor.)
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anchors, Ralph E., Washington, Pa. Coin wrapper. 1,589,345; June 22.
Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,589,922; June 22.
Anderson, Frank C., Cincinnati, Ohio. Water column. 1,589,842; June 22.
Anderson, Joseph M., Fellows, Calif. Rotary tool joint. 1,589,781; June 22.
Andrassy, Joseph, Cleveland, Ohio. Automatic brake for phonographs. 1,589,343; June 22.
Anderson, Peter N. (See Davis, Daniel H., assignor.)
Andreassen, Lars, Providence, R. I. Packing for universal joints. 1,589,829; June 22.
Anglade, Prosper E., Marseille, France. Valve for footballs. 1,590,173; June 22.
Angle, Edward H., Pasadena, Calif. Orthodontic appliance. 1,589,782; June 22.
Antoine, Auguste, Le Chillot, France. Lay-actuated bobbin-changing device. 1,589,346; June 22.
Arcade Manufacturing Co. (See Tschirning, Henry, assignor.)
Armstrong, Robert W., Vancouver, Wash. Surgical instrument. 1,589,923; June 22.
Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Rear-axle mounting for road graders. 1,589,783; June 22.
Arrow Electric Company, The. (See Harrington, William H., assignor.)
Atkinson, Ralph W., Perth Amboy, N. J., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Cable-joint structure. 1,589,505; June 22.
Atlas Devices Company, Inc. (See Stoetzel, Joseph J., assignor.)
Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,589,924; June 22.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Preparing material for ceramic articles. 1,589,617; June 22.
Automatic Shoe Shiner Corporation. (See Thomas, Harold D., assignor.)
Avila, Stephen, New Bedford, Mass. Trap-nest construction. 1,589,830; June 22.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash construction. 1,589,733; June 22.
Babcock, Garrison, Everett, Wash. Telechronometer current converter. 1,589,582; June 22.
Babcock & Wilcox Company, The. (See Hubbard, N., and Stillman, assignors.)
Bach, Nella P., Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y. Method of and apparatus for vacuumizing material. 1,589,432; June 22.
Bach, Nella P., Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y. Air-seated valve for vacuum chambers. 1,589,453; June 22.
Bach, Nella P., Millburn, N. J., assignor to Thermokept Corporation, New York, N. Y. Cacuum sealing machine. 1,589,454; June 22.
Bacon, Wendell E., and G. W. Chamberlain, Aberdeen, S. Dak. Holder. 1,590,069; June 22.
Badische Anilin- & Soda-Fabrik. (See Immerheiser, C., Neubauer, and Scharf, assignors.)
Bakelite Corporation. (See Byck, Lawrence C., assignor.)
Baker, Jesse F. (See Day, L. F., and Baker.)
Baker Wheel & Rim Company. (See Somers, Arthur V., assignor.)
Baker, William H., assignor to F. W. Fairman, Montreal, Quebec, Canada. Loom. 1,589,734; June 22.
Baldwin Locomotive Works, The. (See Bird, F. L., and Harwick, assignors.)
Barber Asphalt Company, The. (See Ritter, George, assignor.)
Barber-Colman Company. (See Colman, Howard D., assignor.)
Barker, William M. (See Bonnot, L. C., and Barker.)
Barkley, Alberto. (See Barkley, Fred W., assignor.)
Barkley, Fred W., Winthrop, Mass., assignor to A. Barkley, Painted Post, N. Y. Calculating machine. 1,589,347; June 22.
Barnes, Eugene L., Buffalo, N. Y. Refrigerating unit. 1,589,348; June 22.
Barnum, Oliver S., Alhambra, Calif. Divided washer. 1,589,455; June 22.
Bartholomew, George P., Essex Fells, N. J. Dust-collecting apparatus. 1,589,831; June 22.
Bartlett, William W., Toronto, Ontario, Canada. Railway-track-tie-removing device. 1,590,070; June 22.
Batcher, Ralph R., Jamaica, assignor to A. H. Grebe & Co., Inc., Richmond Hill, N. Y. Radio receiving apparatus. 1,589,925; June 22.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Severing device. 1,589,784; June 22.
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Bauer, John A., assignor to The Lamson Company, Syracuse, N. Y. Central station for despatch systems. 1,590,147; June 22.

Bausch, Carl L., and W. L. Patterson, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. 1,589,349; June 22.
Bausch & Lomb Optical Company. (See Bausch, C. L., and Patterson, assignors.)
Baynes, Frederick A., Gloucester, N. J., assignor to Fabreter Corporation of America, Wilmington, Del. Mixer. 1,589,735; June 22.
Beacon Folding Machine Company. (See Ridderstrom, Andrew R., assignor.)
Beamer, Richard F., San Francisco, Calif. Golf club. 1,589,929; June 22.
Bearson, Edwin A., Fertile, Minn. Welding-rod holder. 1,589,674; June 22.
Beattie, Arthur E., Manzanillo Cuba. Thermionic valve. 1,589,927; June 22.
Beaumont, R. H., Company. (See Hale, William E., assignor.)
Beazley, William T., Whitneyville, Conn. Christmas-tree base. Des. 70,397; June 22.
Beck, Sigmond F., New Haven, Conn., Coach-door latch. 1,589,832; June 22.
Becker, Harry S., assignor to American Flyer Mfg. Co., Chicago, Ill. Toy railway bridge. 1,590,071; June 22.
Bee, William E., assignor to Palmer-Bee Company, Detroit, Mich. Reduction gearing. 1,589,928; June 22.
Beghetti, Peter, San Francisco, Calif. Wire bending and cutting machine. 1,589,456; June 22.
Behnken, Hermann, Berlin-Charlottenburg, G. Jaeckel, Berlin-Lichterfelde, and W. Kutzner, Berlin, Germany. Measuring device for the examination of electromagnetic waves. 1,589,833; June 22.
Belanger, Paul J., Lake City, Minn. Portable tent. 1,590,072; June 22.
Belding, George A., Pittsburgh, Pa. Sheet-metal shingle. 1,589,675; June 22.
Belgrove, Edward, Vernon, British Columbia, Canada. Combination saw and square construction. 1,589,676; June 22.
Bell, Ivan C., Dallas, Tex. Wrench. 1,589,736; June 22.
Bendix Brake Company. (See White, D'Orsay M., assignor.)
Benedict, George H., and W. J. Tucker, assignors, by mesne assignments, to American Warehouse Corp., Washington, D. C. Apparatus for preserving eggs. 1,589,457; June 22.
Benno, Benjamin, Dallas, Tex. Cap. 1,589,737; June 22.
Benson, Robert, Skamokawa, Wash. Game trap. 1,589,929; June 22.
Bergdal, Eyvind, Anchorage, Alaska. Filing system for phonograph records. 1,590,148; June 22.
Bergter, Friedrich, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Converting the energy taken from high-tension continuous-current supply mains into alternating current. 1,589,350; June 22.
Bernhard, Fred, New York, N. Y. Soldering iron. 1,589,738; June 22.
Bilhorn, Peter P., Chicago, Ill. Folding organ. 1,589,618; June 22.
Billet, Barney, New York, N. Y. Book cover. 1,589,458; June 22.
Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Overhead trolley system. 1,589,619; June 22.
Bird, Frank L., Berwyn, and H. K. Harwick, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive-cylinder structure. 1,589,930; June 22.
Birkigt, Marc, Bois Colombes, France. Apparatus for distributing liquids by rotary spindles. 1,590,073; June 22.
Bisbee, Frank J., Noble, Pa. Filter press. 1,589,834; June 22.
Bisch, Louis E., New York, N. Y. Garter. 1,589,677; June 22.
Bishop & Babcock Manufacturing Company, The. (See Zimmerman, William R., assignor.)
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Co., Wilmington, Del. Electromagnet. 1,589,506; June 22.
Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame for tuft weaving. 1,589,739; June 22.
Bixby, Walter, Boston, and C. Lea, Milton, assignors to Shawmut Engineering Company, Boston, Mass. Tuft-yarn carrier for looms. 1,590,169; June 22.
Bishon, Geo. W., Co., The. (See Cartwright, Frank, assignor.)
Blaw, Jacob B., Atlantic City, N. J. Fire apparatus. 1,589,351; June 22.
Block Portelier Company. (See La Tessa, Tully, assignor.)
Bliss, Elmer F., Alplaus, N. Y., assignor to General Electric Company. Control system for dynamo-electric machines. 1,589,931; June 22.
Blose, Irvin J., Washington, Pa. Roll-polishing mechanism. 1,589835; June 22.
Bloss, Adolf E., Dresden, Germany. Rail tie and fastening. 1,589,932; June 22.
Boardman, Charles H., Columbus, Ohio. Crib side latch. 1,589,352; June 22.
Bobbitt, James F., Greenwood, Miss. Flexible tile roofing. 1,589,785; June 22.
Boby, Robert, Limited. See Allingham, S., and Soenens, assignors.)
Bock, Charles A., and A. Goertz, New York, N. Y. Floor push-button device for plumbing. 1,589,353; June 22.
Bond, Frank J., Bravo, Mich. Hinge. 1,589,507; June 22.
Bonnot Company, The. (See Bonnot, L. C., and Barker, assignors.)
Bonnot, Louis C., Louisville, and W. M. Barker, assignors to The Bonnot Company, Canton, Ohio. Pulverizing mill. 1,589,740; June 22.
Bonnot, Louis C., Louisville, and W. M. Barker, assignors to The Bonnot Company, Cantor, Ohio. Pulverizing mill. 1,589,741; June 22.
Bontempi, Giuseppe, Fort Lee, N. J. Cameograph. 1,589,933; June 22.
Booker, William E., Baltimore, Md. Gas cock. 1,590,074; June 22.
Boosalis, Gus N., et al. (See Simmons, Alfred K., assignor.)
Booth, James S., Detroit, Mich. Automobile radiator. Des. 70,398; June 22.
Borax Consolidated Limited. (See Kelly, Andrew, assignor.)
Borchardt, Arthur, assignor to The Heil Co., Milwaukee, Wis. Valve-controlling means. 1,589,934; June 22.
Boren, John W., Adams, assignor to R. P. Stine, Milroy, Ind. Scythe fastening. 1,589,354; June 22.
Bornemann, Theodor, assignor to A. Stahn, Hannover, Germany. Removing broken tools from bore holes. 1,589,678; June 22.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Body hardware. 1,589,620; June 22.
Bowerman, Charles A. (See Carter, Edward B., assignor.)
Bowers, Claude E., Los Angeles, Calif. Window-frame pulley. 1,589,621; June 22.
Boynton, Alexander, San Antonio, Tex. Rotary reamer. 1,589,508; June 22.
Brach, Leon S., East Orange, N. J. Lightning arrester. 1,589,583; June 22.
Bradshaw, Andrew C., Los Angeles, Calif. Float valve for flush tanks. 1,589,786; June 22.
Brand, Ladislav, Brno, Czechoslovakia. Egg holder. 1,589,935; June 22.
Brennan, Joseph P., Memphis, Tenn. Sign holder for automobiles. 1,589,622; June 22.
Brenner, Peter, Monticello, N. Y. Shears. 1,590,075; June 22.
Bridgeport Safety Emery Wheel Company, The. (See Hyde, Elwin R., assignor.)
Bridwell, Chalon E., Detroit, Mich. Chuck. 1,589,355; June 22.
Bresnahan, Patrick W., De Graff, Minn. Trail sign. Des. 70,399; June 22.
Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Motor drive. 1,589,459; June 22.
Brodrique, Cleophas, Quebec, Canada. Dyeing sand. 1,590,076; June 22.
Brombacher, Julius, Verdugo City, Calif. Water heater. 1,589,623; June 22.
Bronson, Harry E., Tacoma, Wash. Headlight. 1,589,624; June 22.
Brooks, George W., Topeka, Kans. Screen holder. 1,589,356; June 22.
Brown, David, Eldorado, Ill. Railway crossing signal. 1,589,679; June 22.
Brown, Donald F., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Control of doors or gates for mining and other purposes. 1,589,357; June 22.
Brown, Oliver W., Bloomington, Ind., and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrolliville, Wis. Reduction of azo compounds to hydrazo compounds. 1,589,936; June 22.
Brown, Thomas. (See Stenger, Victor R., assignor.)
Brunhoff, Henry E., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Humidifier. 1,589,871; June 22.
Brunhoff, Henry E., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Detachable lid. 1,589,872; June 22.
Brunhoff Manufacturing Company. (See Brunhoff, Henry E., assignor.)
Brunswick - Balke - Collender Co., The. (See Bishop, Joseph W., assignor.)
Brudney, Harry. (See Katcher, M., and Brudney.)
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Buckeye Steel Castings Company, The. (See Whitridge, John C., assignor.)
Buckmaster, Frank M., Lowell, Wash. Attachment for hair clippers. 1,589,937; June 22.
Bulger, Michael B., Beaver Dam, Wis. Detachable stock-watering bowl. 1,589,836; June 22.
Burdick, John N., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Making olefine oxides. 1,589,358; June 22.
Burdick, John N., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Making propylene oxides. 1,589,359; June 22.

Burger, Leopold F., Riverside, Ill., assignor, by mesne assignments, to International Harvester Company. Carburetor. 1,589,360; June 22.
Burke, E. W. (See Ulrich, John, assignor.)
Burney, Charles D., Westminster, London, England. Construction of buildings, dwelling houses, and similar structures. 1,589,938; June 22.
Burnham Chemical Company. (See Burnham, George B., assignor.)
Burnham, George B., assignor to Burnham Chemical Company, Reno, Nev. Separating solids of different size or specific gravity. 1,589,680; June 22.
Burnham, Harry S., Schenectady, N. Y. Locomotive. 1,589,361; June 2..
Burnham, Harry S., Schenectady, N. Y. Locomotive. 1,589,862; June 22.
Burns, Ernest G., assignor of one-half to S. J. Sinkoe, Atlanta, Ga. Surgical protective guard or shield. 1,590,077; June 22.
Buroz, German, assignor of one-half to F. Caracciolo, Caracas, Venezuela, South America. Rail lubricator. 1,590,078; June 22.
Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
Butchart, Cuthbert S., Rye, N. Y. Golf club. 1,589,363; June 22.
Butler, John W., assignor to United States Gypsum Company, Chicago, Ill. Laying glass sheets on worktables for grinding and polishing. 1,589,787; June 22.
Byck, Lawrence C., Tottenville, assignor to Bakelite Corporation, New York, N. Y. Potentially reactive liquid coating composition. 1,590,079; June 22.
C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)
Calkins, Seward H., Flushing, assignor to The Trattel Marble Company, Long Island City, N. Y. Guide and pattern strip. 1,590,149; June 22.
Campbell, Thomas D., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Knurling. 1,589,584; June 22.
Caplan, Harry, Detroit, Mich. Vehicle bumper. 1,589,364; June 22.
Caracciolo, Francis. (See Buroz, German, assignor.)
Carbide and Carbon Chemicals Corporation. (See Burdick, John N., assignor.)
Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,589,625; June 22.
Carlson, Wilson C., and M. W. Peterson, Ely, Minn. Home-location indicating means for automobile radiators. 1,589,681; June 22.
Carter, Alick L., Kenmore, N. Y., assignor, by mesne assignments, to The Grolan Manufacturing Company, Dayton, Ohio. Liquid-level gauge. 1,589,509; June 22.
Carter, Alick L., Kenmore, N. Y., assignor, by mesne assignments, to The Grolan Manufacturing Company, Dayton, Ohio. Liquid gauge. 1,589,510; June 22.
Carter, Edward B. (See Northrop, Herbert N., assignor.)
Carter, Edward B., assignor of one-half to C. A. Bowerman, Los Angeles, Calif. Washer feeder. 1,590,080;
Carter, William, Company, The. (See Drumheller, William P., assignor.)
Cartwright, Frank, Trenton, N. J., assignor to The Geo. W. Blabon Co., Philadelphia, Pa. Linoleum or similar hard-surfaced covering. Des. 70,401; June 22.
Campbell, Stanley T., Euclid Village, assignor to The Aetna Rubber Company, Cleveland, Ohio. Storage-battery container. Des. 70,400; June 22.
Case, Francis M., Cleveland, assignor to Federal Porcelain Company, Carey, Ohio. Nail-knob assembly. 1,589,939; June 22.
Case, Francis M., Cleveland, assignor to Federal Porcelain Company, Carey, Ohio. Nail-knob assembling and securing machine. 1,589,940; June 22.
Casey, John F., Portland, Oreg. Mold. 1,589,742; June 22.
Caswell-Runyan Co. (See Lamb, David C., assignor.)
Cavalluzzi, Vito W., New York, N. Y. Foot rest. 1,589,941; June 22.
Cederberg, Ivar W., Lidingo-Brevik, near Stockholm, Sweden, M. Fjellanger, and V. Grüner, Skoien, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Catalyst for synthesis of ammonia. 1,589,682; June 22.
Celite Company, The. (See Teitsworth, Clark S., assignor.)
Chamberlain, George W. (See Bacon, W. E., and Chamberlain.)
Chandler & Price Company, The. (See Tyler, Ralph S., assignor.)
Chappell, John L., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif. Combined lantern and bracket. Des. 70,402; June 22.
Chase Companies Inc. (See Gleason, Henry M., assignor.)
Chase Companies. (See Webb, Ernest H., assignor.)
Chase, Earle M., assignor to Universal Candy and Chocolate Machinery Company, Inc., Springfield, Mass. Flow pan for coating machines. 1,589,788; June 22.
Chase, Philip M. (See Thurston, E. W., and Chase.)
Chemische Fabrik Griesheim-Elektron. (See Laska, A. L., and Weber, assignors.)
Cherry, Lewis J., Houston, Tex. Angle finder. 1,589,511; June 22.
Chesterfield Metal Company. (See Chesterfield, Percy C., assignor.)
Chesterfield, Percy C., assignor to Chesterfield Metal Company, Detroit, Mich. Mold for casting metal. 1,589,365; June 22.
Chicago Fuse Mfg. Company. (See Lane, James L., assignor.)
Chicago Mica Company. (See Frederick, Louis T., assignor.)
Christensen, Christen, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Connecting and disconnecting electrical circuits. 1,589,366; June 22.
Christenson, Charles E., South Orange, N. J. Antisqueak cushion for automotive brakes. 1,589,585; June 22.
Christian, Sheldon, Somerville, Mass. Safety device for elevators. 1,590,081; June 22.
Chromium Products Corporation. (See Hosdowich, John M., assignor.)
Chromium Products Corporation. (See Schwartz, Kevie W., assignor.)
Chudoba, Frank F., Glastonbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Method of and apparatus for treating felt articles. 1,589,626; June 22.
Chudoba, Frank F., Glastonbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Method of and apparatus for treating felt articles. 1,589,627; June 22.
Clapp, Albert L., Danvers, assignor to The Flintkote Company, Boston, Mass. Cement-asphalt composition of matter. 1,589,512; June 22.
Clapp, Albert L., Danvers, assignor to The Flintkote Company, Boston, Mass. Method and machine for making fiber board of variable thickness. 1,589,513; June 22.
Clark, Charles H., Easton, Me. Potato grader. 1,589,367; June 22.
Clark, Frank H., New York, N. Y., and A. F. Steubing, East Orange, N. J. Locomotive throttle valve. 1,589,368; June 22.
Clark, Robert G., assignor to Liberty Automatic Paper Box Machine Corporation, Brooklyn, N. Y. Box-covering apparatus. 1,589,586; June 22.
Clary, Hubert L., Weldon, N. C. Adjustable and reversible ladder foot. 1,589,743; June 22.
Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote, Inc. Purification of gases for ammonia synthesis. 1,589,628; June 22.
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,590,082; June 22.
Cleveland Folding Machine Company, The. (See Campbell, Thomas D., assignor.)
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Cline, McGarvey, Jacksonville, Fla. Apparatus for extracting rosin and turpentine from wood. 1,589,837; June 22.
Cline, McGarvey, Jacksonville, Fla. Apparatus for extracting volatile oils from solid substances. 1,589,838; June 22.
Clinger, William T., Oil City, Pa. Opener for paper boxes. 1,589,683; June 22.
Cochran, Ralf S. (See Marsh, H. S., and Cochran.)
Cobic, Henry, Cleveland, Ohio. Switch. 1,589,744; June 22.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Warp-drawing machine. 1,589,587; June 22.
Collins, Harry S., Chicago, Ill. Electric log. 1,590,083; June 22.
Colona Manufacturing Company. (See Shrum, Peter J., assignor.)
Commercial Solvents Corporation. (See Littmann, Edwin R., assignor.)
Commercial Truck Company. (See Whitney, Eddy R., assignor.)
Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 70,403; June 22.
Condit, George M., Waterville, assignor to The American Pin Company, Division Scoville Manufacturing Company, Waterbury, Conn. Manufacturing fixture stems. 1,589,942; June 22
Conklin, James R., Pittsburgh, Kans. Golf-ball-washing apparatus. 1,589,839; June 22.
Conner, William H., Topeka, Kans., assignor to C. C. Maddy, Ottumwa, Iowa. Humidor. 1,589,369; June 22.
Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread pull-off for sewing machines. 1,589,629; June 22.
Conover, Arthur V., Philadelphia, Pa., assignor to Interflash Signal Corporation, New York, N. Y. Lens. 1,589,870; June 22.
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Cook, A. E., Evanston, and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Extensible motor truck. 1,589,943; June 22.
Cooper, James H., Memphis, Tenn. Nonclogging feed device. 1,589,630; June 22.
Cooper, Tearence V., Gideon, Mo. Ridge-cutting attachment for stalk choppers. 1,589,371; June 22.

Corcoran, Thos. J., Lamp Co., The. (See Kuen, Eugene A., assignor.)

Cosgrove, Rowe H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Folding-seat lock. 1,589,460; June 22.

Couch, David H., Warwick, R. I. Power-factor control of electrical generating systems. 1,590,084; June 22.

Crane Company. (See Hougland, Albert C., assignor.)

Craymer, Henry J., Peckham, London, England. Decorticating fibrous materials. 1,590,085; June 22.

Creed, Oliver, Cincinnati, Ohio. Filling attachment for fuel tanks. 1,589,514; June 22.

Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,589,461; June 22.

Crockett, Frank L., assignor to Whitin Machine Works, Whitinsville, Mass. Textile scavenger system. 1,589,944; June 22.

Crompton & Knowles Loom Works. See Ryon, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Crumrine, Chester W. (See Dorsey, F. F., and Crumrine.)

Cunningham, E. T. (See Danielson, Ernest G., assignor.)

Cyrczak, Anton, Green Bay, Wis. Cleaning compound. 1,589,840; June 22.

Czarski, William, Anchorage, Alaska. Sifter. 1,589,945; June 22.

Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)

Daimler, Paul, Cannstatt, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Regulating mechanism for combustion engines. 1,589,789; June 22.

Daisy Manufacturing Company. (See Lefever, Charles P., assignor.)

Dalton, William, Schenectady, N. Y. Rail-securing means. 1,589,790; June 22.

Daly, John A., New Rochelle, N. Y. Coating with metal. 1,589,841; June 22.

Damiens, Augustin A. L. J., Arcueil-Cachan, M. C. J. E. de Loisy, Paris, France, and O. J. G. Piette, Brussels, Belgium. Manufacture of ethyl sulphuric acid. 1,589,372; June 22.

Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Radio tuning device. 1,589,946; June 22.

Danielsson, Axel U. S., assignor to Aktiebolaget Atlas-Diesel, Stockholm, Sweden. Fuel-feeding device of internal-combustion engines. 1,589,515; June 22.

Dannehl, Otto, Berlin-Zehlendorf, Germany, assignor to Naamlooze Vennootschap Machinerie en Apparaten Fabrieken, Utrecht, Holland. Pressure frame for sliding windows. 1,589,791; June 22.

Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 70,404; June 22.

Darling, Frank W., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Control system and mechanism for amusement coasters. 1,589,792; June 22.

Davis, Daniel H., assignor to P. N. Anderson, Marshalltown, Iowa. Gate. 1,589,842; June 22.

Dawson, Charles. (See Dunton, G., and Dawson.)

Day, Luther F., and J. F. Baker, Lamar, Colo. Alfalfa-meal and bran packer. 1,590,086; June 22.

De Cew, Judson A., New York, N. Y. Sizing cellulose fibers. 1,589,947; June 22.

Deggінger, Henry, assignor to Regenstein-Veeder Co., Chicago, Ill. Advertising display stand. 1,589,948; June 22.

De Ghetto, Anselm, Clifton, N. J. Attachment for micrometers. 1,589,462; June 22.

Delco-Light Company. (See Kellholtz, Lester S., assignor.)

De Lisle, Joseph A., Chicago, Ill. Soldering iron. 1,589,843; June 22.

De Loisy, Marie C. J. E. (See Damiens, A. A. L. J., de Loisy, and Piette.)

Denkert, Henry, Johnstown, N. Y. Baseball glove. 1,589,516; June 22.

De Remer, Jay G., San Francisco, Calif., assignor to Savage-De Remer Corporation. Refrigerating apparatus. 1,589,373; June 22.

Desmarquoy, Leon E. B., Paris, France. Resilient padding. 1,589,517; June 22.

Dewey, Haywood G. (See Jones, J. G., and Dewey.)

Diamond Power Specialty Corporation. (See Herman, Samuel J., assignor.)

Dick, Guy E., assignor of one-half to C. J. Weaver, Delphi, Ind. Flood gate. 1,589,844; June 22.

Dick, William R., San Diego, Calif. Roaster and similar utensil. 1,589,588; June 22.

Diden, William F., Milton, Fla. Power-transmission mechanism. 1,589,793; June 22.

Dierkes, Frank P., Wilkes-Barre, Pa. Gauge apparatus. 1,590,087; June 22.

Dieterle, Edward A., Glen Ellyn, Ill. Oil-treating apparatus. 1,589,631; June 22.

Dietzsch, William F., Chicago, Ill. Reclaiming tar and light oil. 1,589,374; June 22.

Dietzsch, William F., Chicago, Ill. Breeze collector. 1,589,375; June 22.

Dittmer, Arthur L., Carlton, Victoria, Australia. Cinematograph-machine safety device. 1,589,518; June 22.

Dobrowsky, Emmanuel, New York, N. Y. Electrode construction. 1,590,088; June 22.

Dobson, Marion L., Kevin, Mont. Well pump jack. 1,589,376; June 22.

Dolbear, Clinton E., Pasadena, Calif. Separation of sodium chloride from mixed salts. 1,589,519; June 22.

Donahue, Frank J., Omaha, Nebr. Reflecting box. 1,590,011; June 22.

Dornbusch, Josef, Crefeld, Germany. Box-cover paper or similar article. Des. 70,405; June 22.

Dorsey, Farnum F., and C. W. Crumrine, assignors to North East Electric Company, Rochester, N. Y. Power-transmission mechanism. 1,590,156; June 22.

Dowd, Charles A., assignor to Service Products Manufacturing Co., Chicago, Ill. Fountain brush. 1,589,949; June 22.

Downs, Charles R., New Haven, Conn. Catalytic oxidation of organic compounds. 1,589,632; June 22.

Donbetz, Walter, Chicago, Ill. Piano-pedal attachment. 1,590,012; June 22.

Dräger, Alexander B., Lubeck, Germany. Supporting device for self-contained breathing apparatus. 1,589,463; June 22.

Drapeau, Adolphus, River Rouge, Mich. Self-inflating life belt. 1,590,151; June 22.

Draper Corporation. (See Reardon, J. F., and Poirrier, assignors.)

Drescher, Theodore B., Rochester, N. Y. Radiator cap. Des. 70,406; June 22.

Dreyfus, Sylvain, Lausanne, Switzerland. Nursing nipple. 1,590,152; June 22.

Drucker, Rudolf, Dordrecht, Netherlands. Coupling device. 1,590,153; June 22.

Drumheller, William P., Springfield, Mass., assignor to The William Carter Company, Needham Heights, Mass. Yarn control for knitting machines. 1,589,794; June 22.

Dry, Weronica, Connellsville, Pa. Hospital bed. 1,589,377; June 22.

Du Bois-Reymond, Alard. (See Hecht, H., Hahnemann, Rudolph, and du Bois-Reymond.)

Duckham, Arthur M., London, England. Tunnel kiln. 1,590,154; June 22.

Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio receiver cabinet. Des. 70,407; June 22.

Dunton, George, and C. Dawson, Santa Ana, Calif. Rebushing pistons. 1,589,633; June 22.

Du Pont, E. I., de Nemours & Company. (See Lentz, Howard N., assignor.)

Durkoppwerke Aktien-Gesellschaft. (See Fischer, Hermann C., assignor.)

Dyer, Yulee A., Cave Spring, Ga. Process and apparatus for melting iron. 1,589,589; June 22.

Eastman Kodak Company. (See Jones, J. G., and Dewey, assignor.)

Easton, Roy J., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Door latch. 1,589,634; June 22.

Ede, St. Clair, Dubuque, Iowa. Frame for stretching and suspending hides. 1,590,013; June 22.

Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)

Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)

Eidlitz, Charles L., et al. (See Hartmann, Paul, assignor.)

Electric Apparatus Co., The. (See McCaa, David G., assignor.)

Electrical Engineers Equipment Company. (See Christensen, Christen, assignor.)

Elliott, Bamford, assignor to Warren Leather Goods Company, Worcester, Mass. Hand luggage. 1,589,520; June 22.

Elliott, Charles J., assignor to Western Lithograph Co., Los Angeles, Calif. Loose-leaf device. 1,590,014; June 22.

Elliott, Samuel, assignor to Shur Klamp Mop Holder Corp., Greensboro, N. C. Mop clamp. 1,590,155; June 22.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Treating wood-tar oil. 1,590,156; June 22.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Ellis, Frederick W., Milwaukee, Wis. Motor support for linotype machines. 1,589,873; June 22.

Emrich, Henry C., Washington, D. C. Combination household chair, stepladder, etc. 1,589,795; June 22.

Endless Belt Corporation, Inc. (See Grupe, William F., assignor.)

England, John E., Springfield, Mo. Milking stool. 1,589,521; June 22.

Eppenstein, Otto, assignor to the Firm of Carl Zeiss, Jena, Germany. Measuring device. 1,589,797; June 22.

Eppenstein, Otto, and A. Steinle, assignor to the Firm of Carl Zeiss, Jena, Germany. Measuring machine. 1,589,796; June 22.

Erkins, Albert W., and A. J. Subre, assignors to The Mid West Glass Company, Cincinnati, Ohio. Rear-vision-mirror bracket for automobiles. 1,589,378; June 22.

Evans, Thomas R., sr., Sumter, S. C. Spraying machine. 1,589,684; June 22.

Ewers, Fred J., Sacramento, Calif. Wire crimper. 1,589,798; June 22.

Ewing, William A., Richland Center, Wis. Door hook. 1,589,874; June 22.

Fabreter Corporation of America. (See Baynes, Frederick A., assignor.)

Faeth, Joseph C., assignor to The H. E. Rainaud Company, Meriden, Conn. Electric floor lamp. 1,589,845; June 22.

Fageol, Rollie B., Los Angeles, Calif. Child's vehicle. Des. 70,408; June 22.

Faichney Instrument Corporation. (See Russell, Claude S. J., assignor.)

Fairman, F. Wilson. (See Baker, William H., assignor.)

Fanberg, Clemons J. Z., Kerkhoven, Minn. Variable transmission device. 1,589,379; June 22.

Farkas, John, Detroit, Mich. Thermostatic control for carburetors. 1,589,950; June 22.

Faucher, Henry R., and L. H. Hogsett, Wilmington, Calif. Vehicle jack. 1,590,157; June 22.

Federal Porcelain Company. (See Case, Francis M., assignor.)

Federal Steel Sash Company. (See Neshelm, Anders H., assignor.)

Federle, Berte, Kearney, Nebr. Piano key. 1,589,745; June 22.

Felix, Paul, Little Falls, Minn. Fishing tackle. 1,589,522; June 22.

Fenton Art Glass Company, The. (See Fenton, Frank L., assignor.)

Fenton, Frank L., assignor to The Fenton Art Glass Company, Williamstown, W. Va. Candlestick. Des. 70,409; June 22.

Ferguson, Clarence N., Ann Arbor, Mich. Producing products having a crystalline appearance and products thereof. 1,589,875; June 22.

Ferguson, Forrest, St. Louis, Mo., assignor, by mesne assignments, to W. Ferguson, trustee, New York, N. Y. Overalls. 1,589,951; June 22.

Ferguson, John E. (See Whitmore, J. B., and Ferguson.)

Ferguson, Wynne, trustee. (See Ferguson, Forrest, assignor.)

Ferrer, Emanuel G., Hayward, Calif. Vehicle alarm. 1,589,523; June 22.

Ferris, Frederick, assignor to Peter Pan Gramophone Co., Limited, London, England. Gramophone. 1,589,380; June 22.

Fincham, Fred A., Blue Rapids, Kans. Harrow. 1,589,876; June 22.

Fischer, Hermann C., Vienna, Austria, assignor to the Firm: Durkoppwerke Aktien-Gesellschaft, Bielefeld, Germany. Machine for drawing out threads from tissues. 1,589,524; June 22.

Fisk Rubber Company, The. (See Mather, George L., assignor.)

Fisk Rubber Company, The. (See Wilcox, Charles P., assignor.)

Fjellanger, Mikal. (See Cederberg, I. W., Fjellanger, and Grüner.)

Flander, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Combined salt and pepper shaker. Des. 70,410; June 22.

Fletcher, Addison W., Orleans, Vt. Seal sheet. 1,590,158; June 22.

Flintkote Company, The. (See Clapp, Albert L., assignor.)

Foley, Robert B., Waterbury, Conn. Ice creeper. 1,589,877; June 22.

Forester, Lester J., Tuscarora, N. Y. Machine for making wire clothesline. 1,589,381; June 22.

Forssén, Sigurd, Jyvaskyla, Kuikka, Finland. Retort. 1,589,746; June 22.

Forstner Chain Corporation. (See Forstner, William, assignor.)

Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Chain. 1,589,747; June 22.

Foster, Edward, Jamaica, assignor, by mesne assignments to E. Hoe and Co., Inc., New York, N. Y. Saw. 1,589,799; June 22.

Foster, Wade H., Bad Axe, Mich. Vulcanizing apparatus. 1,589,952; June 22.

Four-In-One Jack Corporation. (See Rossitto, Gaetano, assignor.)

Fournier, A. S. (See Fuller, Emmett A., assignor.)

Fowler, John E., Mobile, Ala. Flying machine. 1,589,590; June 22.

Fowler, John E., Mobile, Ala. Rudder mechanism for flying machines. 1,589,591; June 22.

Fowler, John E., Mobile, Ala. Propeller for flying machines. 1,589,592; June 22.

Frank, Julius, Chicago, Ill. Bagging machine. 1,589,800; June 22.

Frantz, Walter A., Cleveland, Ohio. Clothes wringer. 1,589,635; June 22.

Frawley, Richard M., Rochester, N. Y. Weather strip. 1,589,953; June 22.

Frederick, Louis T., assignor to Chicago Mica Company, Valparaiso, Ind. Insulating ring and making the same. 1,589,464; June 22.

Frensdorff, Willy, and H. Hein, assignors to Actien-Gesellschaft "Weser", Bremen, Germany. Ship-steering mechanism. 1,589,382; June 22.

Freyn Engineering Company. (See Häring, Fritz, assignor.)

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Automobile door handle. 1,589,525; June 22.

Friedley-Voshardt Co. (See Wellman, Lester R., assignor.)

Frink, Carl H., Clayton, N. Y. Snowplow attachment for auto trucks. 1,589,748; June 22.

Fujishin, Yonikichi. (See Mazzoni, A., and Fujishin.)

Fuller, Emmett A., assignor to A. S. Fournier, Renton, Wash. Stepladder. 1,589,526; June 22.

Fulweiler, Walter H., Wallingford, assignor to The U. S. I. Contracting Company, Philadelphia, Pa. Gas purification. 1,589,749; June 22.

Gaalaas, Torger O., Nes, Hedmark, Norway. Hoe plow for potato planting. 1,589,685; June 22.

Gabriel Machine Co. Inc. (See Martinez, Gabriel, assignor.)

Galainena, Mariano J. (See Kajerdt, W., and Galainena.)

Gallon Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)

Gans, Otto, Waltershausen, Germany. Swivel joint for walking dolls. 1,589,750; June 22.

Garcia, Vincent, Brooklyn, N. Y. Mail-distributing machine. 1,589,383; June 22.

Gardner, Clarence J., assignor to Ideal Barn Equipment Company, Horicon, Wis. Stock-watering bowl. 1,590,015; June 22.

Gardner, Frederic E., Beloit, Wis. Grinding machine. 1,589,593; June 22.

Gebrüder Bühler. (See Mezger, Jakob, assignor.)

Gellert, Isaac S. (See Najdar, Kasimir W., assignor.)

General Electric Company. (See Atwood, Winfield, assignor.)

General Electric Company. (See Bergter, Friederich, assignor.)

General Electric Company. (See Bliss, Elmer F., assignor.)

General Electric Company. (See Hall, Chester L., assignor.)

General Electric Company. (See Hull, John I., assignor.)

General Electric Company. (See Kelley, Floyd C., assignor.)

General Electric Company. (See Kempton, Leslie A., assignor.)

General Electric Company. (See Seiz, Walter, assignor.)

General Electric Company. (See Spiunler, Charles E., assignor.)

General Fire Extinguisher Company. (See Kennedy, William A., assignor.)

General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)

Gephart, Paul D. (See Young, J. H., and Gephart.)

Gerhard, Paul E., assignor to Lebanon Steel Foundry, Lebanon, Pa. Railway-switch, heel-block structure. 1,589,954; June 22.

Gilbert, Henry F., Cambridge, Mass. Musical card game. 1,589,878; June 22.

Gillentine, William A., Arlington, Tex. Puller. 1,590,159; June 22.

Gillis, Julius H., Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company. Making roofing elements. 1,589,636; June 22.

Gillis, Julius H., Elizabeth, N. J., assignor, by mesne assignments, to Anaconda Sales Company. Making roofing elements. 1,589,637; June 22.

Gillum, Richard. (See Ratcliff, Paul, assignor.)

Gilson Manufacturing Company. (See Hansen, Oswald H., assignor.)

Givens, Maurice H. (See Hill, C. B., and Givens.)

Gladhorn, Werner. (See Hagedorn, M., and Gladhorn.)

Gleason, Henry M., San Francisco, Calif., assignor to Chase Companies Inc., Waterbury, Conn. Machine for carding safety pins, etc. 1,589,751; June 22.

Glessner, Charles E., Portland, Oreg. Refrigerator wall. 1,589,638; June 22.

Gluyas, Edwin L., Maricopa, Calif. Polish-rod clamp. 1,590,160; June 22.

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Twin lamp socket. 1,590,016; June 22.

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Automobile headlight. 1,590,017; June 22.

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp socket or connecter. 1,590,018; June 22.

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Headlamp. 1,590,019; June 22.

Goertz, Albert. (See Bock, C. A., and Goertz.)

Goertz, August, & Co. (See Goertz, Walter A., assignor.)

Goertz, Walter A., East Orange, N. J., assignor to August Goertz & Co., Inc. Vanity case. 1,589,752; June 22.

Gold, Egbert H., and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe connection. 1,589,801; June 22.

Golden, Bernard, Newark, N. J. Grappling device. 1,590,020; June 22.

Goodman, Joseph, Whitneyville, assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn. Locking handle for doors. 1,589,879; June 22.

Goodrich, B. F., Company, The. (See Martin, Frederick H., assignor.)

Goodwin, John E., Stoke-on-Trent, England, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y. Plate or similar article. Des. 70,411; June 22.
Gordon, Samuel S., Providence, R. I. Traveler for textile rings. 1,589,753; June 22.
Gould, Percival A., Gibsonburg, Ohio. Apparatus for locating occlusal planes. 1,589,802; June 22.
Government and the People of the United States of America. (See Lord, Edwin C. E.)
Grabs, Virgil T., King, N. C. Press. 1,589,686; June 22.
Grace, William R., Brooklyn, assignor to Stevens-Aylsworth Company, New York, N. Y. Mixing machine. 1,590,021; June 22.
Graham Brothers. (See Milner Nugent, assignor.)
Graham, Edward A. Brockley, London, England. Sound directing or amplifying horn and like acoustic apparatus. 1,589,880; June 22.
Grebe, A. H., & Co. (See Batcher, Ralph R., assignor.)
Grebe, Alfred H., Hollis, N. Y. Dial escutcheon for radio apparatus panels. Des. 70,412. June 22.
Grebe, Alfred H., Hollis, N. Y. Dial escutcheon for radio apparatus panels. 70,413; June 22.
Green, Harry. (See Natow, S., and Green.)
Green, Walter R., Chicago, Ill. Underslung tire carrier. 1,589,955; June 22.
Greene, Robert E., Detroit, Mich. Equipment for truck bodies. 1,589,687; June 22.
Greenberg, Jacob M., New York, N. Y. Soft collar. 1,589,846; June 22.
Griffith, Graves, San Francisco, Calif. Photographis and projecting instrument. 1,589,754; June 22.
Grigoleit, H. J., Co. (See Grigoleit, Henry J., assignor.)
Grigoleit, Henry J., assignor to H. J. Grigoleit Co., Chicago, Ill. Pressure-control system. 1,589,384; June 22.
Grolan Manufacturing Company, The. (See Carter, Alick L., assignor.)
Grosser, Franz. (See Grosser, Hermann and F.)
Grosser, Hermann and F., Denstedt, Germany. Spark plug. 1,590,022; June 22.
Grover, Albert D., Long Island City, N. Y. Tailpiece for stringed musical instruments. 1,589,755; June 22.
Grüner, Vilhelm. (See Cederberg, I. W., Fjellanger, and Grüner.)
Grunstra, Peter, Clifton, N. J. Button fastener. 1,590,023; June 22.
Grupe, William F., Hudson Heights, N. J., assignor to Endless Belt Corporation, Inc. Hopper for cigarette-making machines. 1,589,639; June 22.
Gubelmann, William S., Buffalo, N. Y. Ribbon feeding and reversing mechanism for calculating and recording machines. 1,590,024; June 22.
Gulick, David E., Wilmette, Ill. Flushing volve. 1,589,640; June 22.
Gury, John B., St. Louis, Mo. Cloth cutting machine. 1,589,465; June 22.
Hadaway, William S. Jr., New Rochelle, N. Y. Electric heat-control system for type-casting machines. 1,589,466; June 22.
Hagedorn, Max, Dessau-in-Anhalt, and W. Gladhorn, Dessau-Ziebigk, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Photographic film. 1,589,688; June 22.
Hageman, Aaron M., Bloomfield, and A. F. Lindstrom, Nutley, N. J., assignors to Westinghouse Lamp Company. Coating machine. 1,589,956; June 22.
Hahnemann, Walter. (See Hecht, H., Hahnemann, Rudolph, and du Bois-Reymond.)
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Drag-scraper block. 1,589,594; June 22.
Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Induction motor. 1,590,025; June 22.
Hall, Dick W. (See Futnam, C. G., and Hall.)
Hall, James W., Springfield, Mo. Cow-tail holder. 1,589,385; June 22.
Hall, Samuel Z., deceased, by S. B. Wheeler, executrix, Little Rock, Ark. Cotton harvester. 1,590,174; June 22.
Hallman, Foster F., West Berkely, Calif. Punch. 1,589,527; June 22.
Hamburger, Lodewijk, and E. C. Prins, assignors to Naamlooze Vennootschap Stikstofbindingsindustrie "Nederland", Dordrecht, Netherlands. Furnace for chemical reactions. 1,590,161; June 22.
Hamilton, Henry O., San Francisco, Calif. Auto transmission. 1,589,641; June 22.
Hammer, Peter. (See Weiler, Henry A., assignor.)
Handell, Charles S., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Garage-door bolt. 1,589,957; June 22.
Hansen, Oswald H., assignor to Gilson Manufacturing Company, Port Washington, Wis. Chair. 1,589,847; June 22.
Hard, Malcolm, Flushing, assignor to The Superheater Company, New York, N. Y. Locomotive-feed-water-heating system. 1,589,756; June 22.
Hardiman, Albert F., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Accelerator for rubber vulcanization. 1,589,757; June 22.
Hardy, Charles, assignor to Amsco Products Inc., New York, N. Y. Variable resistor. 1,590,163; June 22.
Hargreaves, Charles, Manly, Queensland, Australia. Machine for peeling, coring, and sizing pineapples. 1,590,162; June 22.
Häring, Fritz, Gelsselrochlitz, Bezirk Halle, Germany, assignor to Freyn Engineering Company, Chicago, Ill. Cleaning blast-furnace gases. 1,589,803; June 22.
Harper, Phillip S., Chicago, Ill. Gas burner. 1,589,386; June 22.
Harper, Thomas A., assignor of one-half to J. M. Stees, Chicago, Ill. Sugar-jack press. 1,589,958; June 22.
Harrington, Ertle L., Bloomfield, and G. K. Preiser, Orange, N. J., assignors to Westinghouse Lamp Company. Mount for incandescent-lamp filaments. 1,590,164; June 22.
Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Handle for electric switch or similar article. Des. 70,415; June 22.
Harris, Eddie W., assignor of one-half to A. J. Roberts, Roda, Va. Rail-securing device. 1,590,165; June 22.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Drier for photographic prints and films. 1,589,642; June 22.
Harrison, Rebecca, New York, N. Y. Method of making and means for supporting artificial flowers and the like. 1,589,848; June 22.
Hart & Cooley Company, The. (See Wessel, Howard H., assignor.)
Hart, Simeon T., Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Pressing machine. 1,590,026; June 22.
Hartford, Claude, Maplewood, N. J., assignor to Wilson Welder & Metals Company, Incorporated, New York, N. Y. Package of welding wires and making the same. 1,589,387; June 22.
Hartmann, Paul, Brooklyn, assignor of one-half to C. L. Eidlitz, New York, N. Y., and one-half to Metropolitan Electric Mfg. Co. Flush receptacle. 1,589,643; June 22.
Harvey Electric Co. (See Hughes, Davydd C., assignor.)
Harwick, Henry K. (See Bird, F. I., and Harwick.)
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Draft rigging. 1,589,388; June 22.
Haskell, Charles R., Youngstown, assignor to Haskell Corporation, Niagara Falls, N. Y. Device for making tubular farinaceous rolls. 1,589,849; June 22.
Haskell, Charles R., Youngstown, assignor to Haskell Corporation, Niagara Falls, N. Y. Farinaceous tubular roll. 1,589,850; June 22.
Haskell Corporation. (See Haskell, Charles R., assignor.)
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,416; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,417; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,418; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,419; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,420; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,421; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,422; June 22.
Hass, Henry C., Forest Park, Ill. Vine trellis. Des. 70,423; June 22.
Hassler, Robert H., assignor to Robert H. Hassler Inc., Indianapolis, Ind. Vehicle suspension system. 1,589,467; June 22.
Hassler, Robert H., Inc. (See Hassler, Robert H., assignor.)
Hathaway, Chester W. (See Mueller, R. H., and Hathaway.)
Hathaway, Erving, Cleveland, Ohio. Scale remover. 1,589,959; June 22.
Hatt, Fenwick G. (See Thomas, L., and Hatt.)
Havrilla, Joseph B., Homestead, Pa. Riveting device. 1,589,851; June 22.
Hawkins, John W., Picher, Okla. Automobile bed. 1,589,960; June 22.
Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,589,961; June 22.
Hayes, Charles G., Chicago, Ill. Revolving street signal. Des. 70,424; June 22.
Hayes, George B., Denver, Colo. Concrete post. 1,589,528; June 22.
Headstream, Herbert C., Rib Lake, Wis. Double-acting air pump. 1,589,389; June 22.
Heath, George S., Revere, Mass. Clamp for sheet material. 1,590,089; June 22.
Heay, Phillip, Vancouver, British Columbia, Canada. Boiler. 1,589,689; June 22.
Hecht, Heinrich, Kiel, W. H., Plon; W. Rudolph and A. du Bois-Reymond, Kitzeberg, near Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Radiating member of sound signaling apparatus. 1,589,962; June 22.
Heckler, Herman. (See Ward, Carroll P., assignor.)
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to F. O. Moburg, Toledo, Ohio. Fungicide composition. 1,589,644; June 22.
Heil Co., The. (See Borchardt, Arthur, assignor.)

Hein, George N., San Francisco, Calif. Ampul. 1,589,881; June 22.
Hein, George N., San Francisco, Calif. Positive blood-letting hypodermic syringe. 1,589,882; June 22.
Hein, Hermann. (See Frensdorff, W., and Hein.)
Heimstädter, Heinrich, Hamburg, Germany. Safety signaling apparatus on moving trains. 1,589,963; June 22.
Henderson, Earl Grafton, W. Va. Tire-chain fastener. 1,589,852; June 22.
Henke, Clyde O. (See Brown, O. W., and Henke.)
Hennen, Aloysius M., Minneapolis, Minn. Changeable type. 1,589,964; June 22.
Herken, George and H. L., La Crosse, Wis. Parcel-post mailing case. 1,589,690; June 22.
Herken, Harvey L. (See Herken, George and H. L.)
Herle, Chester A., Rochester, N. Y. Vehicle. 1,589,965; June 22.
Herman, Samuel J., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Roller cleaner. 1,589,691; June 22.
Herminghaus, Heinrich, Elberfeld, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Sulphonated thiauthrenes useful as pharmaceutical compounds. 1,589,390; June 22.
Hern, William H., Westville, Okla. Machine for forming wire articles. 1,590,027; June 22.
Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company. Internal-combustion engine. 1,589,391; June 22.
Herrmann, Karl L., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,589,883; June 22.
Hertzberg, Harry. (See Wohl, Maurice J., assignor.)
Herz Bed Company. (See Herz, Gene, assignor.)
Herz, Gene, assignor to Herz Bed Company, Chicago, Ill. Day bed and the like. 1,590,090; June 22.
Heusler, Friedrich, assignor to the Firm of Isabellenhütte Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Silver alloy. 1,590,091; June 22.
Heusler, Friedrich, assignor to the Firm of Isabellenhütte Gesellschaft mit beschränkter Haftung, Dillenburg, Germany. Brass alloy. 1,590,092; June 22.
Heyl, William J., Clairton, Pa. Rivet punch. 1,589,645; June 22.
Hiatt, William F., Indianapolis, Ind. Tool for removing and replacing piston rings. 1,589,392; June 22.
Hicks, Irving C., Topeka, Kans. Feed-water heater. 1,589,646; June 22.
Hirb, Peter, assignor to Ranier Electric Bake Oven and Equipment Company, Inc., Seattle, Wash. Bake oven. 1,589,468; June 22.
Higby, Roy C. (See Vieau, H. F., Higby, and O'Neill.)
Hiler, Edward E., Bloomfield, assignor to Irvington Varnishing & Insulator Co., Irvington, N. J. Choke-coil amplification unit. 1,589,892; June 22.
Hill, Charles B., Glencoe, and M. H. Givens, Evanston, assignors to Northwestern Yeast Company, Chicago, Ill. Manufacturing yeast foam malted milk and product thereof. 1,589,853; June 22.
Hill, John J., Seattle, Wash. Loading rigging. 1,590,093; June 22.
Hillix, Foster F., assignor, by mesne assignments to White Sewing Machine Corporation, Celeveland, Ohio. Sewing-machine drive pulley. 1,589,966; June 22.
Hiner, Henry M., Monterey, Va. Churn. 1,590,094; June 22.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Knurling. 1,589,595; June 22.
Hoe, R., and Co. (See Foster, Edward, assignor.)
Hoenes, Frank L. (See Kelly, William J., assignor.)
Hof, Herbert J., Aschaffenburg, Germany, assignor of one-half to J. Seipel, Kansas City, Mo. Apparatus for the production of yoghurt and similar bacterial cultures. 1,589,693; June 22.
Hoffman, Alovs J., Fremont, Ohio. Grommet-setting device. 1,590,095; June 22.
Hoffman Heater Company, The. (See Reinecke, John P., assignor.)
Hoge, Otto, Great Falls, Mont. Attachment for wash-boilers. 1,590,096; June 22.
Hogz, Theodore B., Dayton, Ohio. Combined intake and exhaust manifo'd. 1,589,758; June 22.
Hogsett, Louis H. (See Faucher, H. R., and Hogsett.)
Hohl, George L., Newport, R. I., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin package. 1,589,694; June 22.
Hohmann, Wilhelm, Delitzsch, near Halle, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Film pack. 1,589,695; June 22.
Hokanson, Martin, Duluth, Minn. Drill head. 1,589,596; June 22.
Holland Furnace Company. (See Russell, Titus, assignor.)
Holland, William B., Sydney, New South Wales, Australia. Hand loader for concrete mixers. 1,589,529; June 22.
Holt, Herbert, Rochdale, England. Machine for winding yarns or threads. 1,590,028; June 22.
Holtz, Gustav, San Francisco, Calif. Valve. 1,589,696; June 22.
Holtzman, John, New York, N. Y. Sash fastener. 1,589,804; June 22.
Holz, Robert, Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Stripping and filling press. 1,589,530; June 22.
Homand, James A., Latin Station, assignor of one-half to H. V. Leahy, Los Angeles, Calif. Coupling. 1,589,469; June 22.
Homiak, George, Newmarket, N. H. Vehicle wheel. 1,589,647; June 22.
Hood, Harry H., Chicago, Ill. Pressure indicator for pneumatic tires. 1,589,470; June 22.
Hood, James J. (See Mountford, H. S., and Ovenshire, assignors.)
Hoodless, William H., Philadelphia, Pa. Making filtering material. 1,589,531; June 22.
Hoodless, William H., Philadelphia, Pa. Decolorizing and filtering materials and producing the same. 1,589,532; June 22.
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. Des. 70,425; June 22.
Horigan, Edward A., et al. (See Logan, George H., assignor.)
Hörmann, Ludwig, Tschechnitz, near Breslau, and F. Kaufler, Munich, assignors to the Firm: Dr. Alexander Wacker-Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Manufacturing acetic anhydrids. 1,590,097; June 22.
Horowitz, Isaac B., New York, N. Y. Dental casting device. 1,589,967; June 22.
Hosdowich, John M., Jersey City, N. J., assignor to Chromium Products Corporation, Wilmington, Del. Plating with chromium. 1,590,170; June 22.
Hougland, Albert C., St. Paul, Minn., assignor to Crane Company of Minnesota. Strainer faucet for churns. 1,589,884; June 22.
Houston Blow Pipe & Sheet Metal Works. (See Rogers, John C., assignor.)
Howard, Charles H., Saugus, assignor to Paper Products Machine Company, Boston, Mass. Machine for reinforcing paper. 1,590,167; June 22.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Development Company. Motor fuel and internal-combustion operation. 1,589,885; June 22.
Howard, Jesse C., Columbus, Ohio. Speed-reducing device for pumps. 1,590,166; June 22.
Howd, Irving V., Syracuse, N. Y. Retracting device. 1,589,697; June 22.
Howe, Olaf L., Missoula, Mont. Automobile. 1,589,393; June 22.
Hubbard, Charles W., Weston, Mass. Stop motion. 1,589,648; June 22.
Hubbard, Henry E., assignor to Addressograph Company, Chicago, Ill. Ribbon spool. 1,589,533; June 22.
Hubbard, Norman, Elizabeth, N. J. Air valve. 1,589,471; June 22.
Hubbard, Norman, Elizabeth, and T. B. Stillman, Hoboken, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Atomizer or spraying device. 1,590,029; June 22.
Hughes, Davydd C., assignor to Harvey Electric Co., Chicago, Ill. Toy range. 1,589,649; June 22.
Hull, John L., Schenectady, N. Y., assignor to General Electric Company. Brush shifting alternating-current motor. 1,590,030; June 22.
Humason, Granville A., Houston, Tex. Pump. 1,589,394; June 22.
Humphrey, Raleigh O., Chicago, Ill., assignor to American Automatic Heating Company. Combustion of hydrocarbon oil. 1,589,698; June 22.
Hunt, Fred L. (See Williams, E. H., and Hunt.)
Hunt, Lloyd F., Los Angeles, Calif. Ground detector. 1,589,699; June 22.
Huntley, Ernest R., assignor to Industrial Research Corporation, Toledo, Ohio. Vacuum feed system. 1,589,472; June 22.
Huntoon, Cullen L., Los Angeles, Calif. Automobile light-reflecting star. Des. 70,426; June 22.
Huntsman, Joseph H., et al. (See Palmer, John, assignor.)
Hupp Motor Car Corporation. (See Schnell, William, assignor.)
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Adjuster for casement windows and the like. 1,589,854; June 22.
Hurst, James D., asignor to Schumann Piano Company, Rockford, Ill. Piano case. Des. 70,427; June 22.
Huyck, F. C., & Sons. (See Wilson, E. J., and Rees, assignors.)
Hyde, Elwin R., assignor to The Bridgeport Safety Emery Wheel Company, Incorporated, Bridgeport, Conn. Sectional grinding wheel. 1,589,855; June 22.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door-control two-wire system. 1,589,968; June 22.
Ideal Barn Equipment Company. (See Gardner, Clarence J., assignor.)
Imhof, Frank, Atlantic City, N. J. Cutting tool. 1,590,031; June 22.
Immerheiser, Carl, Ludwigshafen-on-the-Rhine, C. Neubauer, Mannheim, and E. Scharf, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of colored cellulose plastics and solutions thereof. 1,589,700; June 22.

Imperial Brass Manufacturing Company, The. (See McElroy, John H., assignor.)
Industrial Controller Company. (See Van Valkenburg, Hermon L., assignor.)
Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)
Industrial Research Corporation. (See Myers, Don D., assignor.)
Inforati, Matteo O., jr., Dayton, Ohio, assignor to The J. M. Lapointe Company, New London, Conn. Belt-shifting mechanism. 1,589,701; June 22.
Interflash Signal Corporation. (See Conover, Arthur V., assignor.)
International Harvester Company. (See Burger, Leopold F., assignor.)
International Harvester Company. (See Schoenrock, Otto R., assignor.)
International Motor Company. See Masury, A. F., and Leipert, assignors.)
Irvington Varnish & Insulator Co. (See Hiler, Edward E., assignor.)
Isabellenhütte Gesellschaft mit beschränkter Haftung. (See Heusler, Friedrich, assignor.)
Isenberg, Rudolf A., Monterey, Calif. Heating apparatus. 1,589,702; June 22.
Jacobs, Oliver B., Morris Plains, N. J., assignor to American Telephone and Telegraph Company. Telephone repeater. 1,589,395; June 22.
Jaeckel, Georg. (See Behnken, H., Jaeckel, and Kutzner.)
Jakeman, John W., Altrincham, assignor to Linotype and Machinery Limited, London, England. Sheet-gripper mechanism of printing machines. 1,589,396; June 22.
James, Sidney V., assignor to William A. Rogers, Ltd., Niagara Falls, N. Y. Spoon or similar article. Des. 70,428; June 22.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,589,856; June 22.
Jaros, Joseph E., Chicago, Ill. Hypodermic syringe. 1,589,969; June 22.
Jauch, Frederic W., Pittsburgh, Pa. Locking device for gas-service cocks and the like. 1,590,032; June 22.
Jenner, Otto G. (See Reents, H., and Jenner.)
Jewell Electrical Instrument Company. (See Miller, John H., assignor.)
Johnson, Carl, Milwaukee, Wis. Valve motion. 1,589,531; June 22.
Johnston, Elizabeth J. (See Rice, G. E., and Johnston.)
Jones, Emerald E., Chicago, Ill. Saw guard. 1,589,970; June 22.
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Sticker band for photographic cartridges. Re16,366; June 22.
Joseph, Josef, New York, N. Y. Sample card. 1,590,098; June 22.
Kajerdt, William, and M. J. Galainena, Habana, Cuba. Apparatus for drying and handling bagasse and similar materials. 1,589,805; June 22.
Karki, Richard, Uxbridge, Ontario, Canada. Radiator-cap ornament. Des. 70,430; June 22.
Kase, Nathan, Brooklyn, N. Y., assignor to Kase-Quinby Rubber Company, Inc. Box or similar container. Des. 70,429; June 22.
Kase-Quinby Rubber Company. (See Kase, Nathan, assignor.)
Katcher, Morris, Brooklyn, and H. Brudney, New York, N. Y. Die-casting machine. 1,589,857; June 22.
Kaufer, Felix. (See Hörmann, L., and Kaufer.)
Kammagraph Co. (See Werner, Otto P., assignor.)
Kayuk, Martin, Detroit, Mich. Automobile wheel. 1,589,806; June 22.
Keffer, Joseph W., Chicago, Ill. Timber clamp for concrete construction. 1,590,033; June 22.
Kellholtz, Lester S., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,589,397; June 22.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Metal coating. 1,590,034; June 22.
Kelly, Andrew, assignor to Borax Consolidated Limited, London, England. Treating boron-containing minerals. 1,590,099; June 22.
Kelly-Springfield Tire Company. (See Hardman, Albert F., assignor.)
Kelley, Walter F., assignor to Western Electric Company, Incorporated, New York, N. Y. System for guiding vessels. 1,589,398; June 22.
Kelly, William J., assignor of one-half to F. L. Haenes, Denver, Colo. Brick jointer. 1,589,703; June 22.
Kellogg, Katherine L., New York, N. Y. Toy cat. Des. 70,431; June 22.
Kenney, Emil, assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y. Panel for a lighting fixture. Des. 70,432; June 22.
Kellogg Switchboard and Supply Company. (See Nielsen, Emil J., assignor.)
Kemp, John, Dahlen, N. Dak. Soil screen for plows. 1,590,035; June 22.
Kemplen, August J., St. Paul, Minn. Indicator. Re16,365; June 22.
Kempton, Leslie A., Bridgeport, Conn., assignor to General Electric Company. Flush wall switch. 1,590,036; June 22.
Kennedy, Joseph P., Chicago, Ill. Eraser holder. 1,589,597; June 22.
Kennedy, William A., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Alarm-actuating apparatus. 1,589,858; June 22.
Kenngott, Edwin B., Buffalo, N. Y. Doll. Des. 70,433; June 22.
Kenworthy, James A., Los Angeles, Calif. Oil burner. 1,589,704; June 22.
Kessler, Daniel W., Washington, D. C. Treatment of concrete floors. 1,589,598; June 22.
Kharasch, Morris S., College Park, Md. Water-soluble metallic organic compound and making the same. 1,589,599; June 22.
Khatunzeff, Sergius P., Bridgeport, Conn. Paper fastener. 1,589,600; June 22.
Kiddie's Karnival Corporation. (See Sapp, Philip A., assignor.)
King, Clifford G., Providence, R. I. Pin. 1,589,705; June 22.
King, Van Rensselaer C., Radnor, Pa., and L. V. Morris, Garden City, assignors to King's Concrete Crosstie Corporation, New York, N. Y. Railway spike. 1,589,971; June 22.
King's Concrete Crosstie Corporation. (See King, V. C., and Morris, assignors.)
Kinzbach, Frank, Houston, Tex. Whipstock. 1,589,399; June 22.
Kirlak, Eremy, Windsor, Ontario, Canada. Steam heater. 1,589,706; June 22.
Kirlin, Otis M., Watertown, S. Dak. Automatic valve. 1,589,601; June 22.
Klinch Latch Corporation. (See Strand, Joseph, assignor.)
Klinglesmith, Henry A., Newton, Kans. Irrigating device. 1,589,00; June 22.
Klivansky, Louis, New York, assignor to Sargoy Bros., Brooklyn, N. Y. Metallic clothes hamper. 1,589,401; June 22.
Klonick, Harry, Rochester, N. Y. Nonskid chains. 1,589,602; June 22.
Knauber, Alexander M., Chicago, Ill. Traffic-signal-light device. 1,589,972; June 22.
Kopp, Ottmar H., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,589,402; June 22.
Kraeuter, Arthur A., South Orange, assignor to The Croydon Company, Newark, N. J. Golf-club construction. 1,589,707; June 22.
Krumer, Edward. (See Manning, William T., assignor.)
Krause, William C., San Francisco, Calif. Water-power transferable hydroelectric plant. 1,589,403; June 22.
Krebs, John W., Phoenix, Ariz. Buckrake attachment for tractors. 1,590,037; June 22.
Kremer, Alf. C., et al. (See Vartia, Karl H., assignor.)
Krenz, Paul G., White Salmon, Wash. Foot accelerator. 1,590,038; June 22.
Kroydon Company, The. (See Kraeuter, Arthur A., assignor.)
Kruse, Henry R., Sioux Falls, S. Dak. Combined brush and comb. 1,589,535; June 22.
Kroder, John, and Henry Reubel Co. (See Reubel, Henry, assignor.)
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Lamp-closure fastening. 1,589,759; June 22.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Automobile lamp-closure fastener. 1,589,760; June 22.
Kugler, Otto, sr., Philadelphia, Pa. Safety device for automobile clutch controllers. 1,589,473; June 22.
Kuhlke Machine Company, The. (See Kuhlke, Otto J., assignor.)
Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Manufacturing pneumatic tires and apparatus therefor. 1,590,105; June 22.
Kulicky, Mike, Kenosha, Wis. Hair tonic. 1,590,100; June 22.
Kuns, Harve A., assignor to V. R. Kuns, Oakland, Calif. Shoe dauber. 1,589,807; June 22.
Kuns, Viola R. (See Kuns, Harve A., assignor.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,590,039; June 22.
Kutzner, Walter. (See Behnken, H., Jaeckel, and Kutzner.)
Kyropoulos, Spiro, Gottingen, Germany. Casting iron and iron alloys with chromium. 1,590,101; June 22.
Lamb, David C., Sturgis, Mich., assignor to Caswell-Runyan Co., Huntington, Ind. Lid support. 1,590,040; June 22.
Lamb, David C., Sturgis, Mich., assignor to Caswell-Runyan Co., Huntington, Ind. Lid support. 1,590,041; June 22.
Lamson Company, The. (See Bauer, John A., assignor.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Landa, Joseph S., New York, N. Y. Occlusal-plane finder. 1,589,973; June 22.
Landberg, Margot, Chicago, Ill. Face-spraying device. Des. 70,434; June 22.

Landis Tool Company. (See Steiner, Amos P., assignor.)
Lane, James L., assignor to Chicago Fuse Mfg. Company, Chicago, Ill. Fuse. 1,589,974; June 22.
Lapointe, J. N., Company, The. (See Inforati, Matteo E., jr., assignor.)
Laska, August L., and F. Weber, Offenbach-on-the-Main, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Trisazo dyestuffs and making same. 1,590,042; June 22.
La Tessa, Tully, assignor to Block Portelier Company, Chicago, Ill. Column for lamps. Des. 70,435; June 22.
La Tessa, Tully, assignor to Block Portelier Company, Chicago, Ill. Column for lamps. Des. 70,436; June 22.
La Tessa, Tully, assignor to Block Portelier Company, Chicago, Ill. Column for lamps. Des. 70,437; June 22.
La Tessa, Tully, assignor to Block Portelier Company, Chicago, Ill. Column for lamps. Des. 70,438; June 22.
Lavigne, Pierre, Winnipeg, Manitoba, Canada. Paddle wheel for boats or the like. 1,589,708; June 22.
Lazote Inc. (See Claude, Georges, assignor.)
Lea, Charles. (See Bixby, W., and Lea.)
League, Thomas J., Chicago, assignor to Woodruff & Edwards Co., Elgin, Ill. Lamp base. Des. 70,439; June 22.
Leahy, Herbert V. (See Homand, James A., assignor.)
Lebanon Steel Foundry. (See Gerhard, Paul E., assignor.)
Lee, Atha W., Bingham Canyon, Utah. Cigarette package. 1,589,603; June 22.
Lee, Harry S., Plymouth, Mich. Permanent mold. 1,589,604; June 22.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air gun. 1,589,975; June 22.
Lehman, Frederick W., Minneapolis, Minn. Ironing board. 1,589,605; June 22.
Lentz, Howard N., Gibbstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of concentrated nitric acid from waste acids. 1,590,043; June 22.
Leipert, August H. (See Masury, A. F., and Leipert.)
Leonard, George A., Burlington, Vt. Vehicle spring. 1,589,404; June 22.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,589,976; June 22.
Levingston, Aaron. (See Sturgis, Herbert M., assignor.)
Liberty Automatic Paper Box Machine Corporation. (See Clark, Robert G., assignor.)
Liberty National Bank, trustee. (See Hart, Simeon T., assignor.)
Lilienfeld, Leon, Vienna, Austria. Making a new type of cellulose derivatives. 1,589,606; June 22.
Lilienfeld, Leon, Vienna, Austria. Making cellulose derivatives. 1,589,607; June 22.
Lincoln Manufacturing Company. (See Airo, Sally, assignor.)
Lindstrom, Albert F. (See Hageman, A. M., and Lindstrom.)
Linotype and Machinery Limited. (See Jakeman, John W., assignor.)
List, Frank X., assignor to National Card Mounting Company, New York, N. Y. Display carton. 1,590,044; June 22.
Littmann, Edwin R., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose composition. 1,589,608; June 22.
Locomotive Firebox Company. (See Hawley, Charles G., assignor.)
Loepsinger, Albert J., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Humidity regulator. 1,589,886; June 22.
Logan, George H., assignor of one-fourth to E. A. Horigan and one-fourth to E. L. Horigan, Pittsburgh, Pa. Drum. 1,589,887; June 22.
Lombardi, Vincent, Brooklyn, N. Y. Knitted fabric. 1,589,474. June 22.
Long, Henry C., Caballo, N. Mex. Gate. 1,590,102; June 22.
Lorch, Emil, Winnenden, Worttemberg, Germany. Dough-kneading machine. 1,590,103; June 22.
Lord, Chester R., Mineral City, Ohio. Projector for moving-picture machines. 1,589,761; June 22.
Lord, Edwin C. E., Washington, D. C., dedicated to the Government and the People of the United States of America. Compound for waterproofing Portland-cement concrete. 1,589,650; June 22.
Lorenz, Charles F., East Orange, N. J., assignor to Westinghouse Lamp Company. High-resistance electrical conductor. 1,590,045; June 22.
Lorentz, John E., assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Vehicle tire tread. Des. 70,440; June 22.
Lowenstein, Fritz, deceased, New York, N. Y.; J. C. Walt, administrator, assignor, by mesne assignments, to Radio Patents Corporation. Method and apparatus for making and breaking electrical circuits. 1,589,709; June 22.
Lowther, Christopher M., New York, N. Y. Nonglare screen for automobiles. 1,589,475; June 22.
Loynes, Owen H., Brooklyn, and R. S. Obl, New York, N. Y., assignors to American Telephone and Telegraph Company. Ringing arrangement for carrier circuits. 1,589,405; June 22.
Loynes, Owen H., Brooklyn, and R. S. Obl, New York, N. Y., assignors to American Telephone and Telegraph Company. Ringing arrangement for carrier circuits. 1,589,406; June 22.
Lucas, Andrew, Los Angeles, Calif. Electrode-holder cut-out for welding tools. 1,589,977; June 22.
Luisi, Nunzio, Elmira, N. Y. Glass-cutting implement. 1,589,536; June 22.
Lukens, Alan R., and N. C. Pike, Wyoming, assignors to The Richardson Company, Lockland, Ohio. Process and apparatus for saturating fibrous webs. 1,589,537; June 22.
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Blowing apparatus. 1,589,888; June 22.
Lynch, Joseph H., Asbury Park, N. J. Method and machine for applying laundry tags. 1,589,476; June 22.
Lynn, James, Chicago, Ill. Eraser-cleaning mechanism. 1,589,978; June 22.
MacLaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Controller for pneumatic-dispatch system. 1,589,538; June 22.
Maddy, Chas. C. (See Conner, William H., assignor.)
Maki, Jacob, et al. (See Varita, Karl H., assignor.)
Man, Eugene O., and C. C. McFate, Denver, Colo. Registering seal for car and other doors. 1,590,046; June 22.
Manning, William T., assignor to E. Kramer, Philadelphia, Pa. Transmission band. 1,590,104; June 22.
Mantle Lamp Company of America, The. (See Spangler, Frederick W., assignor.)
Manz, Merrill W., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,589,609; June 22.
Marlin, Tom. (See Smith, Lawrence B., assignor.)
Marchessault, Louis, Minneapolis, Minn. Heating attachment for fireplaces. 1,589,539; June 22.
Markham Air Rifle Company. (See Roe, Ernest S., assignor.)
Martin Air Dog Company. (See Martin, Frederick E., assignor.)
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Sawmill machinery. 1,590,105; June 22.
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Mechanism for operating hook dogs for sawmill carriages. 1,590,106; June 22.
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Mechanism for controlling movement of hook dogs for sawmill carriages. 1,590,107; June 22.
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Link dog for sawmill carriages. 1,590,108; June 22.
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Operating adjunctive devices on sawmill carriages. 1,590,109; June 22.
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Hook dog for sawmill carriages. 1,590,110; June 22.
Martin, Frederick H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber boot. 1,590,047; June 22.
Martinez, Francisco. (See Roble, Pedro, assignor.)
Marquard, Frank F., Clairton, Pa. Recovering ammonium sulphate. 1,589,809; June 22.
Marsh, Henry S., and R. S. Cochran, assignors to American Copperas Company, Youngstown, Ohio. Reclaiming spent pickling solutions. 1,589,610; June 22.
Marshall Electric Company. (See Marshall, Harry B., assignor.)
Marshall, Harry B.; E. W. Terry, administrator of said Marshall, assignor to Marshall Electric Company, St. Louis, Mo. Voltage regulator. 1,589,810; June 22.
Martin, Frederick J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system for testing multiple wiring between switches. 1,589,407; June 22.
Martinez, Gabriel, assignor, by mesne assignments, to Gabriel Machine Co., Inc., New York, N. Y. Painting machinery. 1,589,711; June 22.
Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
Mas, George N., Washington, D. C. Bottle. Des. 70,441; June 22.
Mas, George N., Washington, D. C. Bottle. Des. 70,442; June 22.
Mas, George N., Washington, D. C. Bottle. Des. 70,443; June 22.
Mas, George N., and N. Zaki, Lynchburg, Va. Invalid bed. 1,589,889; June 22.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,589,611; June 22.
Mather, George L., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stretching apparatus. 1,589,890; June 22.
Mathes, William W., Stockton, Calif. Obtaining contact in processed-paper printing. 1,589,811; June 22.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,589,612; June 22.
Maxfield, Joseph P., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protector for acoustic apparatus. 1,589,408; June 22.
Mazzone, Angelo, and Y. Fujishin, Bearcreek, Mont. Straw dispenser. 1,589,891; June 22.
McCaa, David G., Lancaster, assignor to The Electric Apparatus Co., Parkesburg, Pa. Radio system. 1,589,979; June 22.
McCafferty, George G., Everett, Mass. Humidor for stereotype mats. 1,589,710; June 22.
McCann, William J., Sewickley, Pa. Spacing carriage. 1,589,808; June 22.
McDermott, George R., Chicago, Ill. Pressure-tip scale for cutting blowpipes. 1,589,651; June 22.
McDonough, William C. (See Quint, John J., assignor.)
McElroy, John H., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Propulsion mechanism for children's vehicles. 1,589,477; June 22.
McFate, Claude C. (See Man, E. O., and McFate.)
McWane, James R., Birmingham, Ala. Handling core bars and cores. 1,589,652; June 22.
Meek, Alice, et al. (See Meek, R B, assignor.)
Meek, R B, assignor of fifty-one one-hundredths to A. Meek, and forty-nine one-hundredths to H. L. Moran, Bristol, Colo. Folding table. 1,589,540; June 22.
Metals Recovery Company. (See Terry, Joseph T., jr., assignor.)
Metropolitan Electric Mfg. Co. et al. (See Hartmann, Paul, assignor.)
Mettet, John N., Dubuque, Iowa. Combination mirror and sun blinder. 1,590,048; June 22.
Meyer, Henry A., Dorchester, Ill. Window attachment. 1,590,111; June 22.
Mezger, Jakob, St. Gallen, assignor to the Firm Gebrüder Bühler, Uzwil, Switzerland. Casing for a rolling mill. Des. 70,444; June 22.
Mid West Glass Company, The. (See Erkins, A. W., and Suhre, assignors.)
Miller, David B., assignor to The Wells Corporation, Greenfield, Mass. Thread-cutting device for hose couplings. 1,589,541; June 22.
Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Alternating-current voltammeter. 1,589,812; June 22.
Miller, Ohmer R., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,589,409; June 22.
Miller, Willard B., and E. F. Shook, Chicago, Ill. Power condenser washer. 1,589,980; June 22.
Millio, Frosso, Brooklyn, N. Y. Candle. Des. 70,445; June 22.
Milner, Nugent, assignor to Graham Brothers, Evansville, Ind. Vehicle door control. 1,589,410; June 22.
Mimick, Frank, Columbus, Nebr. Carburetor construction. 1,589,762; June 22.
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See O'Conner, John F., assignor.)
Minton, Le Roy H., Metuchen, N. J. Nonslip tile. 1,589,411; June 22.
Mitchell, John E., St. Louis, Mo. Air-cooled condenser for refrigerating machines. 1,589,412; June 22.
Moburg, Frank O. (See Hedenburg, Oscar F., assignor.)
Moody, Lewis F., Philadelphia, Pa. Process and apparatus for utilizing energy of flow. 1,590,049; June 22.
Moe, Frank R., Bloomer, Wis. Work guide for ripping tables. 1,589,413; June 22.
Molded Socket Corporation. (See Wells, Burling D., assignor.)
Montekue, Aaron, London, England. Tobacco pipe. Des. 70,446; June 22.
Moore, Clarence S., Lexington, Ky. Valve. 1,589,892; June 22.
Moore, George W., Chicago, Ill. Hair drier. 1,589,981; June 22.
Moore, James A., assignor of one-half to O. Schmook, Dallas, Tex. Producing fibrillose margins on paper. 1,589,542; June 22.
Moore, Oland A., Newark, Mo. Engine attachment. 1,590,112; June 22.
Moore, Matthew B., Coventry, England. Composition for polishing celluloid surfaces. 1,589,813; June 22.
Morgan Construction Company. (See Lummis, Charles W., assignor.)
Morris, Lardner V. (See King, V. C., and Morris.)
Mountford, Howard S., and E. A. Ovenshire, assignors to J. F. Hood, Los Angeles, Calif. Hinge. 1,589,613; June 22.
Moyses, Arthur C., assignor to K. E. Niedzielski, Bay City, Mich. Vehicle cab. 1,589,543; June 22.
Moran, Harry L., et al. (See Meek, R. B., assignor.)
Morris, Glenn R., assignor of one-half to W. B. Williams, Yakima, Wash. Signal. 1,589,653; June 22.
Morrison, William, Baltimore, Md. Toy bank. Des. 70,447; June 22.
Mosher, Clifford C., Lima, Ohio. Portable paving plant. 1,589,814; June 22.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,589,414; June 22.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Mowry, Louis W., Racine, Wis. Luggage carrier. 1,589,893; June 22.
Mt. Carmel Manufacturing Company, The. (See Goodman, Joseph, assignor.)
Mueller, Adolph, trustee. (See Mueller, R. H., and Hathaway, assignors.)
Müller, Friedrich, Vienna, Austria. Supplying fuel to internal-combustion engines. 1,589,982; June 22.
Mueller, Robert H., and C. W. Hathaway, assignors to A. Mueller, trustee, Decatur, Ill. Valve fitting. 1,589,894; June 22.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding machine. 1,590,050; June 22.
Murdock, Paul R., Paden City, W. Va. Molding glass and apparatus therefor. 1,589,654; June 22.
Murphy, James F., Danbury, Conn. Treating hats. 1,590,113; June 22.
Murphy, James F., Danbury, Conn. Machine for treating hats. 1,590,114; June 22.
Myers, Don D., assignor to Industrial Research Corporation, Toledo, Ohio. Automatic switch for generating sets. 1,589,478; June 22.
Myers, Frederick, New York, N. Y. Pneumatic-tire valve. 1,589,479; June 22.
Naamlooze Vennootschap Machinerie. (See Dannehl, Otto, assignor.)
Naamlooze Vennootschap Stikstofbindingsindustrie "Nederland". (See Hamburger, L., and Prins, assignors.)
Nagel, William F., Ensley, Ala. Apparatus for treating tobacco. 1,589,480; June 22.
Najder, Kasimir W., assignor of fifteen one-hundredths to I. S. Gellert, Detroit, Mich. Single-sleeve valve for internal-combustion engines. 1,589,983; June 22.
National Card Mounting Company. (See List, Frank X., assignor.)
Natow, Simon, and H. Green, River Rouge, Mich. Strainer. 1,589,544; June 22.
Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Metal window sash. Re16,368; June 22.
Nelson, Frank W., Seattle, Wash. Fruit-gathering ladder. 1,589,655; June 22.
Nelson, Stanley W., San Francisco, Calif. Motor-vehicle spring suspension system. 1,589,859; June 22.
Nesheim, Anders H., Milwaukee, assignor to Federal Steel Sash Company, Waukesha, Wis. Glazing angle for metallic window sashes. 1,590,051; June 22.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Treating slurry. 1,589,712; June 22.
Newkirk, Perry B., Seattle, Wash., assignor of one-half to J. E. Scese, Pontiac, Mich. Automatic motor control and oil-pressure gauge. 1,589,545; June 22.
Newport Company, The. (See Brown, O. W., and Henke, assignors.)
Newton, Albert E., Providence, R. I. Lace. Des. 70,448; June 22.
Neubauer, Carl. (See Immerheiser, C., Neubauer, and Scharf.)
Neufeldt & Kuhnke, Betriebsgesellschaft m. b. H. (See Siebel, Karl, assignor.)
Nichols, Elmer, Kirkwood, Mo. Printing machine. 1,589,546; June 22.
Nicholson, John C. D., Wichita, Kans. Oil burner. 1,590,115; June 22.
Nides, Emanuel, and J. S. Tawresey, assignors to Standard Steel & Bearings Incorporated, Philadelphia, Pa. Double-row ball bearing. 1,589,415; June 22.
Niedzielski, Kasmir E. (See Moyses, Arthur C., assignor.)
Nielsen, Emil J., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable element. 1,589,416; June 22.
Nielsen, Harald, Muswell Hill, London, England. Rotary distillation retort. 1,589,417; June 22.
Nikola, Michael, Memphis, Tenn. Curtain holder. 1,590,052; June 22.
Nordgran, James C., Salt Lake City, Utah. Combined direction signal and stop light. Des. 70,449; June 22.
North American Lace Company. (See Dandy, Marc H., assignor.)
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Norris, Paul E., Wilkinsburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery separator. 1,589,419; June 22.
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Cederberg, I. W., Wellanger, and Grüner, assignors.)
North East Electric Company. (See Dorsey, F. F., and Crumrine, assignors.)
Northrop, Herbert N., Somerville, assignor, by mesne assignments, to E. B. Carter, Boston, Mass. Device for loading washers into heel molds. 1,590,116; June 22.
Northwestern Yeast Company. (See Hill, C. B., and Givens, assignors.)
Novack, Maurice L., Minneapolis, Minn. Ring. 1,589,547; June 22.
Nowak, Alois K., assignor of one-half to F. H. Smith, Canton, Ohio. Feeder for briquetting presses. 1,590,053; June 22.
Obertiorfer, Bernard M., Baltimore, Md. Store front. 1,589,815; June 22.
Obernuefemann, David, O'Fallon, Ill. Tractor-driven machinery. 1,589,481; June 22.

O'Byrne, Joseph F., Golden, Colo. Confection cutting and coating machine. 1,589,548; June 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,589,420; June 22.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., Car construction. 1,589,421; June 22.
Ohio Brass Company. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Birch, Leland W., assignor.)
Ohio Brass Company, The. (See Manz, Merrill W., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohl, Russell S. (See Loynes, O. H., and Ohl.)
Olsen, Harold W., Tacoma, Wash. Demountable tire rim. 1,590,054; June 22.
O'Neill, Edward J. (See Vieau, H. F., Higby, and O'Neill.)
Ovenshire, Elijah A. (See Mountford, H. S., and Ovenshire.)
Overly, Elmer G., Greensburg, Pa. Envelope. 1,589,713; June 22.
Overly, Elmer G., Greensburg, Pa. Envelope. 1,589,714; June 22.
Owen Walsh M'fg. Co. (See Kemeny, Emil, assignor.)
Owens, Percy R., Mount Kisco, N. Y. Temperature regulator. 1,589,715; June 22.
Palmer-Bee Company. (See Bee, William E., assignor.)
Palmer, John, assignor of one-half to J. H. Huntsman and one-fourth to C. J. Williams, San Francisco, Calif. Automobile bumper. 1,589,549; June 22.
Paper Products Machine Company. (See Howard, Charles H., assignor.)
Pariso, Patsy, Elmira, N. Y. Rail connection. 1,590,117; June 22.
Parker, Charles L., assignor to V. E. Parker, Seattle, Wash. Soap holder. 1,590,118; June 22.
Parker, Violet E. (See Parker, Charles L., assignor.)
Partridge, Harry C., Brooklyn, N. Y. Coping. 1,590,119; June 22.
Patterson, William L. (See Bausch, C. L., and Patterson.)
Pavek, William J., Chicago, Ill. Tuning attachment for stringed instruments. 1,589,422; June 22.
Payton, Harry, Providence, R. I. Chain structure. 1,589,423; June 22.
Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)
Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Method and apparatus for controlling the combustion of fuel in boiler furnaces. 1,589,550; June 22.
Pealer, Elias O., assignor of one-half to M. Perisi, Utica, N. Y. Fish lure. 1,589,860; June 22.
Peis, Henry, Berlin-Charlottenburg, Germany. Billet shears. 1,589,656; June 22.
Peis, Henry, Berlin-Charlottenburg, Germany. Metal-working machine. 1,589,657; June 22.
Perisi, Margaret. (See Pealer, Elias O., assignor.)
Perry, Charles H., Miami, Fla. Filtering and purifying water. 1,590,120; June 22.
Pescara, Raul P., Barcelona, Spain. Helicoplane-supporting system. 1,589,658; June 22.
Penberthy, Olie A., Leadwood, Mo. Piston ring. 1,589,482; June 22.
Pendleton, Ralph L., Denver, Colo. Automatic fluid-pressure displacement pump. 1,589,551; June 22.
Perkins Corporation. (See Williams, E. H., and Hunt, assignors.)
Perron, Samuel, Mendon, assignor to A. Steinert, Boston, Mass. Coin-controlled talking machine. 1,589,424; June 22.
Perryman Electric Company. (See Perryman, George H., assignor.)
Perryman, George H., assignor to Perryman Electric Company, Inc., New York, N. Y. Vacuum tube. 1,589,483; June 22.
Peter Pan Gramophone Co. (See Ferris, Frederick, assignor.)
Peters, Charles A., Downey, Calif., assignor to Peters Holding Company. Composition studding. 1,589,716; June 22.
Peters, Ernest K., Fresno, Calif. Lining for dental plates and preparing the same. 1,589,552; June 22.
Peters Holding Company. (See Peters, Charles A., assignor.)
Peters, Mina L., Seattle, Wash. Cap. 1,589,614; June 22.
Peterson, Mervin W. (See Carlson, W. C., and Peterson.)
Phelan, Joseph R., Oklahoma City, Okla. Brooder stove. 1,589,717; June 22.
Pickelsimer, Jesse B., Brevard, N. C. Railway tie plate. 1,589,895; June 22.
Pierce, Paul, Chicago, Ill. Control mechanism for wrapping machines. 1,589,816; June 22.
Piette, Oliver J. G. (See Damiens, A. A. L. J., de Loisy, and Piette.)
Pitcher, Hugh B., Boonton, N. J. Shower bath. 1,590,121; June 22.
Pharis Tire & Rubber Company, The. (See Lorentz, John E., assignor.)
Phillips, Elwood C., Evanston, Ill. Lamp. Des. 70,450; June 22.
Phillips, Homer W., and N. Sayed, Georgetown, S. C. Valve. 1,589,659; June 22.
Pierce, Paul, Chicago, Ill. Wrapping machine. 1,589,553; June 22.
Pike, Neal C. (See Lukens, A. R., and Pike.)
Plotner, Harrison M., Mishawaka, Ind. Gasoline-tank valve. 1,589,660; June 22.
Plymouth Novelty Co. (See Rosenblatt, Henry, assignor.)
Poirrier, George. (See Reardon, J. F., and Poirrier.)
Popenoe, Charles H. (See Siegler, E. H., and Popenoe.)
Porter, Alma. Lava Hot Springs, Idaho. Steering-gear check. 1,589,554; June 22.
Porter, William E., Denver, Colo. Machine element 1,590,055; June 22.
Postman, Louis, New York, N. Y. Glove. Des. 70,451; June 22.
Prather, Phillip S., Sacramento, Calif. Mixing device. 1,590,056; June 22.
Preiser, Godfrey K. (See Harrington, E. L., and Preiser.)
Prentice, Thomas, Southington, Conn. Pliers. 1,589,425; June 22.
Prince-Smith, William, and D. Waterhouse, Keighley, England. Thread guide for spinning, twisting, and other analogous textile machinery. 1,590,122; June 22.
Prins, Eugène C. (See Hamburger, L., and Prins.)
Protectu Bank-Note Corporation. (See Shoemaker, John F., assignor.)
Puterbaugh, Jack W., Cincinnati, Ohio. Lawn sprinkler. 1,589,861; June 22.
Putnam, Claude G., Los Angeles, Calif., and D. W. Hall, Salome, Ariz. Incense burner. Des. 70,452; June 22.
Quint, John J., assignor of one-third to W. C. McDonough, Topeka, Kans. Tool for extracting and replacing bushings. 1,589,862; June 22.
Raasch, Paul K., East Akron, Ohio. Coaster wagon. 1,590,057; June 22.
Radio Patents Corporation. (See Lowenstein, Fritz, assignor.)
Raimond, Georges. (See Scheemacker, E., and Raimond.)
Railnaud, H. E., Company, The. (See Faeth, Joseph C., assignor.)
Rainer Electric Bake Oven and Equipment Company. (See Hieb, Peter, assignor.)
Rameden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,589,555; June 22.
Rand, James H., assignor to Rand Kardex Company, Inc., North Tonawanda, N. Y. Visible index. 1,589,556; June 22.
Rand Kardex Company. (See Rand, James H., assignor.)
Rape, Harvey G., Wichita, Kans. Fishing tool for broken jar reins. 1,589,896; June 22.
Ratcliff, Paul, assignor of one-half to R. Gillum, Ashland, Ky. Pipe wrench. 1,589,763; June 22.
Reardon, Earl T., assignor to Wagner Electric Corporation, St. Louis, Mo. Insulating means. 1,589,817; June 22.
Reardon, John F., and G. Poirrier, Grosvenor Dale, Conn., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,589,557; June 22.
Reece Button Hole Machine Company, The. (See Carlson, Axel F., assignor.)
Reece Button Hole Machine Company, The. (See Connors, John W., assignor.)
Reed, Richard W., Washington, D. C. Portable lubricant or grease-cup filler. 1,590,058; June 22.
Reents, Herman, and O. G. Jenner, Chicago, Ill. Carburetor. 1,590,059; June 22.
Rees, Edwin A. (See Wilson, E. J., and Rees.)
Reeves, Ira L., Newark, N. J. Making curved casein plates. 1,589,897; June 22.
Reeves, Ira L., Newark, N. J. Flush plate and the like and manufacturing the same. 1,589,898; June 22.
Regenstein-Veeder Co. (See Degginger, Henry, assignor.)
Reinecke, John P., assignor to The Hoffman Heater Company, Lorain, Ohio. Gas burner. 1,589,426; June 22.
Reinoldt, Moritz, assignor to St. Louis Butchers' Hotel Supply Company, St. Louis, Mo. Refrigerator and ice container therefor. 1,589,484; June 22.
Reisenstein, Charles L., Pittsburgh, Pa. Glass dish and decorating the same. 1,589,558; June 22.
Remington Typewriter Company. (See Strother, Robert H., assignor.)
Rempt, Walter, Suhl, Germany. Sporting shotgun. 1,589,764; June 22.
Rennie, David L., Pontrilas, Saskatchewan, Canada. Auxiliary tire for vehicle wheels. 1,589,661; June 22.
Reubel, Henry, assignor to John Kroder and Henry Reubel Co., New York, N. Y. Traverse attachment for curtain rods or poles. 1,589,559; June 22.
Reuter, Henry C., Chicago, Ill. Building construction. 1,589,560; June 22.
Ricardo, Harry R., London, England. Internal-combustion engine. 1,589,662; June 22.
Rice, George E., London, and E. J. Johnston, Paddington, England. Solid fuel. 1,589,561; June 22.
Richards-Wilcox Manufacturing Company. (See Handell, Charles S., assignor.)
Richardson Company, The. (See Holz, Robert, assignor.)
Richardson Company, The. (See Lukens, A. R., and Pike, assignors.)
Richardson, O. C., Chicago, Ill. Necktie. 1,589,899; June 22.

Riddlerstrom, Andrew R., Nahant, assignor to Beacon Folding Machine Company, Lynn, Mass. Folding machine and method. 1,589,718; June 22.

Riebe, Edgar C., Paris, France. Method of and machine for forming seamless tubing. 1,590,123; June 22.

Rieman, Lee, and H. A. Wilcox, Abilene, Kans.; said Wilcox assignor to said Rieman. Display case. 1,590,060; June 22.

Ringborg, Axel, Minot, N. Dak. Headrest. 1,589,900; June 22.

Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Shingle. 1,589,719; June 22.

Ritter, Warren, Brooklyn, N. Y. Hanger for handle ware. 1,589,818; June 22.

Roach, Bertram, Dayton, Ohio. Nut lock. 1,589,562; June 22.

Roach, Michael D., Kansas City, Mo. Railway-crossing-gate mechanism. 1,589,563; June 22.

Roberts, Andrew J. (See Harris, Eddie W., assignor.)

Roberts, Hal H. (See Wright, James R., assignor.)

Robertshaw, Frederick W., Pittsburgh Pa. Thermostatic valve. 1,589,902; June 22.

Robertson, Elmer R., North Conway, N. H. Curtain hanger. 1,589,819; June 22.

Robertson, H. H., Company. (See Young, J. H., and Gephart, assignors.)

Roberts, Leslie H., Wichita, Kans. Rasp. 1,589,901; June 22.

Robin, Jonannès, Lyon, France. Swivel for use in fishing tackle. 1,589,563; June 22.

Robinson, Thomas, assignor to Anaconda Sales Company, New York, N. Y. Electrodeposition. 1,589,564; June 22.

Robinson, William S., assignor to Vesta Battery Corporation, Chicago, Ill. Molding machine. 1,589,984; June 22.

Roble, Pedro, assignor of fifteen one-hundredths to F. Martinez, New York, N. Y. Pin-setting apparatus. 1,590,124; June 22.

Roe, Ernest S., assignor to Markham Air Rifle Company, Plymouth, Mich. Air gun. 1,589,985; June 22.

Rogers, John C., assignor of one-half to Houston Blow Pipe & Sheet Metal Works, Houston, Tex. Apparatus for handling lint cotton. 1,589,427; June 22.

Rogers, John F., Cleveland Heights, assignor to The Wellman Seaver-Morgan Company, Cleveland, Ohio. Pawl-and-ratchet mechanism. 1,589,663; June 22.

Rogers, William A., Ltd. (See James, Sidney V., assignor.)

Ronald, Rebecca, Vancouver, British Columbia, Canada. Food receptacle or carrier. 1,590,061; June 22.

Rosenblatt, Henry, assignor to Plymouth Novelty Co., Inc., New York, N. Y. Button for picture or mirror cord. Des. 70,453; June 22.

Rosenow, Edward C., Rochester, Minn. Humidifying and sterilizing air. 1,589,428; June 22.

Rossitto, Gaetano, New York, N. Y., assignor to Four-In-One Jack Corporation. Attachment for vehicle wheels. 1,590,062; June 22.

Rossman, Agnes R., Scotch Plains, N. J. Ladder for sleeping cars. 1,589,820; June 22.

Roullard, Joel E., Seattle, Wash. Food dispenser. 1,589,565; June 22.

Rouse, Oscar T., Chicago, Ill. Machine for applying and removing sanitary covers for toilet seats. 1,589,429; June 22.

Ruggles, Gilbert W., Youngstown, Ohio. Safety device and operating means. 1,589,903; June 22.

Russell, Claude S. J., assignor to Fairchney Instrument Corporation, Watertown, N. Y. Thermometer case. 1,589,430; June 22.

Russell, Edward A. (See Gold, E. H., and Russell.)

Russell, Titus, assignor to Holland Furnace Company, Holland, Mich. Cleaning furnaces. 1,589,986; June 22.

Russell, Titus, assignor to Holland Furnace Company, Holland, Mich. Cleaning furnace casings. 1,589,987; June 22.

Rudolph, Wilhelm. (See Hecht, H., Hahnemann, Rudolph, and du Bois-Reymond.)

Ruths, Robert J., Baltimore, Md. Internal-combustion engine. 1,589,566; June 22.

Ryland, Herbert S., London, England. Light projector especially suitable for use upon vehicles. 1,589,664; June 22.

Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for weft-detecting mechanism. 1,589,567; June 22.

Saad Manufacturing Co. (See Saad, Wadie, assignor.)

Saad, Wadie, assignor to Saad Manufacturing Co., Boston, Mass. Protective guard and pedal shoe for autos. 1,589,431; June 22.

Sagan, Joseph B., Pittsburgh, Pa. Corn husker and sheller. 1,589,568; June 22.

St. Louis Butchers' and Hotel Supply Company. (See Reinoldt, Moritz, assignor.)

Samble, Harry, Springfield, Mass. Lock for laundry bags. 1,589,570; June 22.

Sapp, Philip A., assignor to Kiddie's Karnival Corporation, Eufaula, Ala. Toy carnival. 1,589,432; June 22.

Sargoy Bros. (See Klivansky, Louis, assignor.)

Savage-de Remer Corporation. (See de Remer, Jay G., assignor.)

Sayed, Naseeb. (See Phillips, H. W., and Sayed.)

Sauerman Bros., Inc. (See Smith, Garrett T., assignor.)

Scese, John E. (See Newkirk, Perry B., assignor.)

Scifford, Chester W., Eagle Butte, S. Dak. Hay loader. 1,590,125; June 22.

Scharf, Erwin. (See Immerheiser, C., Neubauer, and Scharf.)

Scheemacker, Emile, and G. Raimond, Woonsocket, R. I. Circuit controller. 1,589,765; June 22.

Scheibeler, John H., Nebraska City, Nebr. Planing machine. 1,589,720; June 22.

Schilke, John C., Milwaukee, Wis. Game. 1,589,904; June 22.

Schillerstrom, Ellsworth C., Lockridge, Iowa. Buckle. 1,590,063; June 22.

Schmid, Walter J., St. Louis, Mo. Tire lock for automobiles. 1,589,433; June 22.

Schnidt'sche Heissdampf Gesellschaft m. b. H. (See Thomsen, Peter, assignor.)

Schmierer, Johannes M., Friedenau, near Berlin, Germany. Electric discharge tube. 1,589,905; June 22.

Schmook, Otto. (See Moore, James A., assignor.)

Schmutz, Julius, assignor to Schmutz Manufacturing Company, Incorporated, Louisville, Ky. Article of manufacture. 1,589,665; June 22.

Schmutz Manufacturing Company. (See Schmutz, Julius, assignor.)

Schnefel, Max., Newark, N. J. Nail file or similar article. Des. 70,454; June 22.

Schneider, Oskar A., Thum, Germany. Device for the starting of internal-combustion engines in cold air. 1,589,864; June 22.

Schnell, William, assignor to Hupp Motor Car Corporation, Detroit, Mich. Radiator cap. Des. 70,455; June 22.

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 70,456; June 22.

Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 70,457; June 22.

Schoenrock, Otto R., Chicago, Ill., assignor to International Harvester Company. Lock for gear-shifting-lever mechanism. 1,589,434; June 22.

Schreiber, August H., Placerville, Calif. Pneumatic power generator. 1,589,786; June 22.

Schuelter, Henry A., Robbinsdale, Minn. Celery cutter. 1,589,571; June 22.

Schumacher, John, Los Angeles, Calif. Making plasterboard lath. 1,589,569; June 22.

Schumann Piano Company. (See Hurst, James D., assignor.)

Schwaner, Charles H., Scottsbluff, Nebr. Apparatus for cleaning articles. 1,589,721; June 22.

Schwarber, Henry, Weehawken, N. J. Embroidered lace. Des. 70,458; June 22.

Schwartz, Kevie W., New York, N. Y., assignor, by mesne assignments, to Chromium Products Corporation, Wilmington, Del. Chromium plating. 1,589,988; June 22.

Scott, Archibald D., deceased, by M. V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company. Mechanism for controlling the unwinding of strand material and guiding the same. 1,589,435; June 22.

Scott, Mary V., executrix. (See Scott, Archibald D.)

Seaferd, Robert, Cleveland, Ohio. Tire removing tool. 1,589,989; June 22.

Seaman, Fletcher A., Rochester, N. Y. Safety device for ladders. 1,590,064; June 22.

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,589,485; June 22.

Seattle-Astoria Iron Works. (See Albertoli, John, assignor.)

Seebold, John E., La Salle, Ill. Protector for photographing device. 1,589,436; June 22.

Selneck, Adolph E., Cincinnati, Ohio, Holder. 1,589,572; June 22.

Selpel, Jean. (See Hof, Herbert J., assignor.)

Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Speed-control system. 1,590,065; June 22.

Seldomridge, Edward D., Muncie, Ind. Tire fender. 1,589,990; June 22.

Seltzer, John E., Flint, Mich. Air-tempering device. 1,589,865; June 22.

Service Products Manufacturing Co. (See Dowd, Charles A., assignor.)

Sharpneck, Nellie E., East Bakersfield, Calif. Safety drainer. 1,589,486; June 22.

Shaw, John E., Murphy, Calif. Water feed for rock drills. 1,589,487; June 22.

Shaw, John E., Melones, Calif. Quick-release feed device for drills. 1,589,991; June 22.

Shawmut Engineering Company. (See Bixby, Walter, assignor.)

Shawmut Engineering Company. (See Bixby, W., and Lea, assignors.)

Sheffner, John C., Elgin, Ill. Sheet-metal structure and making the same. 1,589,437; June 22.

Sheley, George T., Indianapolis, Ind. Self-feeding pencil. 1,590,126; June 22.

Shoemaker, John F., assignor to Proteum Bank-Note Corporation, Chicago, Ill. Plural-record device. 1,589,722; June 22.

Shook, Edmund F. (See Miller, W. R., and Shook.)

Short, Henry M., Penn Yan, N. Y. Flexible nonmetallic electric conduit. 1,589,438; June 22.

Shrum, Peter J., Monaca Heights, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Reclaiming pipe couplings and the like. 1,589,906; June 22.

Shur Klamp Mop Holder Corp. (See Elliott, Samuel, assignor.)

Sibley, James T., New York, N. Y. Speedometer. 1,589,992; June 22.

Siebel, Karl, assignor to the Firm Neufeldt & Kuhnke, Betriebsgesellschaft m. b. H., Kiel, Germany. Telephone receiver. 1,589,823; June 22.

Siegler, Edouard H., Takoma Park, and C. H. Popenoe, Silver Spring, Md. Insecticide and preparing the same. 1,589,866; June 22.

Siegler, Eugene G. (See Siegler, Otto and E. G.)

Siegler, Otto and E. G., Belleville, Ill. Gas-range burner. 1,589,993; June 22.

Signal Gesellschaft m. b. H. (See Hecht, H., Hahnemann, Rudloph, and du Bois-Reymond, assignors.)

Sillery, John, Nobber, Irish Free State. Tractor wheel. 1,589,821; June 22.

Simmons, Alfred K., assignor of thirty-five one-hundredths to G. N. Boosalis and fifteen one-hundredths to L. A. Smith, Faribault, Minn. Artificial tooth or crown and fastening means therefor. 1,589,994; June 22.

Sinkoe, Samuel J. (See Burns, Ernest G., assignor.)

Skroback, Frank E., Syracuse, N. Y. Flying machine. 1,589,722; June 22.

Smith, Archie N., Grangeville, Idaho. Tire-chain-tightening coupling. 1,589,995; June 22.

Smith, David J. (See White, H. T., and Smith.)

Smith, Edward W., Philadelphia, Pa. Sail rigging. 1,589,488; June 22.

Smith, Frank H. (See Nowak, Alois K., assignor.)

Smith, Fred S., Centralia, Wash. Undercutter. 1,590,175; June 22.

Smith, Garrett T., assignor to Sauerman Bros., Inc., Chicago, Ill. Material-moving apparatus. 1,589,907; June 22.

Smith, Lawrence B., assignor of one-third to T. Marlin, El Dorado, Ark. Confectionery-cooling device. 1,589,666; June 22.

Smith, Lucius A., et al. (See Simmons, Alfred K., assignor.)

Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric ignition system. 1,589,489; June 22.

Snyder, James Q. (See Snyder, Jesse and J. Q.)

Snyder, Jesse and J. Q., Salt Lake City, Utah. Door-operating mechanism. 1,589,430; June 22.

Soderholm, Oscar, Wahoo, Nebr. Riding stick. 1,589,491; June 22.

Soenens, Maurice. (See Allingham, S., and Soenens.)

Somers, Arthur V., Flint, Mich., assignor to Baker Wheel & Rim Company, Chicago, Ill. Wheel for automobiles. 1,589,996; June 22.

Sorge, Otto, Berlin-Grunewald, Germany. Condenser for waste steam. 1,589,822; June 22.

Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Display spout for dispensing pumps. 1,589,997; June 22.

Spangler, Frederick W., assignor to The Mantle Lamp Company of America, Chicago, Ill. Woven wick. 1,589,490; June 22.

Specht, Claus F., Valparaiso, Ind. Handmade hammock. 1,589,824; June 22.

Speidel, Edwin F. M., Edgewood, R. I. Chain. 1,589,573; June 22.

Speidel, Edwin F. M., Edgewood, R. I., Chain. 1,589,574; June 22.

Spengler, Henry, New York, N. Y. Bottle cap. 1,589,575; June 22.

Spinaler, Charles E., Schenectady, N. Y., assignor to General Electric Company. Combined trip and throttle valve. 1,590,171; June 22.

Spitzenberger, Frank J., Duluth, Minn. Game. 1,590,127; June 22.

Stack, Maurice J., Waterford, N. Y. Bat-forming machine. 1,589,667; June 22.

Staebler, George, Toledo, Ohio. Spark-plug tester. 1,589,825; June 22.

Stahn, Albert. (See Bornemann, Theodor, assignor.)

Standard Development Company. (See Howard, Frank A., assignor.)

Standard-Johnson Company, Inc. (See Hohl, George L., assignor.)

Standard Oil Company. (See Sweeny, Perry J., assignor.)

Standard Steel & Bearings Incorporated. (See Nides, E., and Tawresey, assignors.)

Standard Underground Cable Company. (See Atkinson, Ralph W., assignor.)

Stapley, Albert, Belleville, Ontario, Canada. Toy. 1,589,867; June 22.

Staples, Earle L., New York, N. Y. Self-cleaning oil strainer. 1,590,128; June 22.

Steen, Jessie M. (See Harper, Thomas A., assignor.)

Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Adjustable bearing for grinding wheels. 1,589,440; June 22.

Steinert, Alexander. (See Perron, Samuel, assignor.)

Steinle, Adolf. (See Eppenstein, O., and Steinle.)

Steinmetz, Knut. (See Winter, Oskar E., assignor.)

Stenger, Victor R., Ithaca, N. Y., assignor of one-half to T. Brown, Chicago, Ill. Valve for internal-combustion engines. 1,589,441; June 22.

Stetler, Francis C. W., Long Island City, N. Y. Dyeing apparatus. 1,589,668; June 22.

Steubing, Albert F. (See Clark, F. H., and Steubing.)

Stevens-Aylsworth Company. (See Grace, William R., assignor.)

Stillman, Thomas B. (See Hubbard, N., and Stillman.)

Stine, Ruby P. (See Boren, John W., assignor.)

Stoetzel, Joseph J., Chicago, Ill., assignor of forty per cent to Atlas Devices Company, Inc. Pneumatic dispatch apparatus. 1,589,998; June 22.

Strand, Joseph, Los Angeles, Calif., assignor to Klinch Lath Corporation. Plaster board. 1,589,724; June 22.

Strand, Nell A., Brooklyn, N. Y. Safety razor. 1,589,826; June 22.

Stratford, Hugo C., Vancouver, British Columbia, Canada. Differential. 1,590,129; June 22.

Strother, Robert H., Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting and like machine. 1,589,725; June 22.

Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)

Studebaker Corporation, The. (See Cosgrove, Rowe H., assignor.)

Studebaker Corporation, The. (See Easton, Roy J., assignor.)

Studebaker Corporation, The. (See Herrmann, Karl L., assignor.)

Sturgeon, William H., jr., Pittsburgh, Pa. Headlight. 1,590,130; June 22.

Sturgis, Herbert M., assignor to A. Levingston, Kansas City, Mo. Desk cabinet. 1,589,442; June 22.

Suhre, Aloysius J. (See Erkins, A. W., and Suhre.)

Superheater Company, The. (See Hard, Malcolm, assignor.)

Swanson, Edwin C., Stromsburg, Nebr. Multiple-section harrow. 1,590,131; June 22.

Sweeny, Perry J., Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., and Chicago, Ill. Conversion of high-boiling hydrocarbon oils into lower-boiling oils. 1,589,908; June 22.

Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)

Tapley, William, Redbridge, England. Gradient meter. 1,589,767; June 22.

Tawresey, John S. (See Nides, E., and Tawresey.)

Taylor, James E., San Antonio, Tex. Seesaw rocker. 1,589,443; June 22.

Teitsworth, Clark S., Lompoc, assignor to The Celite Company, Los Angeles, Calif. Heat-insulating composition and making the same. 1,590,132; June 22.

Tennyson, William Y., Oklahoma City, Okla. Doorlock. 1,590,133; June 22.

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Terry, Edward W., administrator. (See Marshall, Harry B.)

Terry, Joseph T., jr., San Francisco, Calif., assignor, by mesne assignments, to Metals Recovery Company. Ore treatment. 1,589,615; June 22.

Tessman, Robert B., Sacramento, Calif. Storage-battery terminal. 1,589,726; June 22.

Thermokept Corporation. (See Bach, Neils P., assignor.)

Thermokept Corporation. (See Willison, Walter W., assignor.)

Thomas, Harold D., assignor to Automatic Shoe Shiner Corporation, New York, N. Y. Casing for shoe-shining machine. Des. 70,459; June 22.

Thomas, Luther, and F. G. Hatt, San Antonio, Tex. Grave-filling apparatus. 1,590,134; June 22.

Thompson, James M., Kansas City, Mo. Reflecting instrument. 1,589,576; June 22.

Thompson, L. A., Scenic Railway Company, The. (See Darling, Frank W., assignor.)

Thomsen & Company. (See Waters, Dorothy R., assignor.)

Thomsen, Peter, Cassel, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Steam boiler. 1,589,999; June 22.

Thorberg, George E., Sioux Falls, S. Dak. Token holder. 1,590,172; June 22.

Thurston, Elbert W., Berwyn, and P. M. Chase, Brookfield, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,589,444; June 22.

Thurston, Jason J., Sherman, Tex. Chisel holder. 1,589,768; June 22.

Tibbs, Richard A., Bakersfield, Calif. Illuminated sign. 1,589,769; June 22.

Traitel Marble Company, The. (See Calkins, Seward H., assignor.)

Travell, Warren, New York, N. Y. Suspension device. 1,589,727; June 22.

Trigg, Charless, Columbus, Ohio. Automobile tool box. 1,589,770; June 22.

Trowe, Henry C., Hammond, Ind. Wheelbarrow. 1,590,000; June 22.

Tscherning, Henry, assignor to Arcade Manufacturing Co., Freeport, Ill. Stove damper. 1,589,909; June 22.

Tucker, John C., Abbotsford, British Columbia, Canada. Cover for containers and the like. 1,589,771; June 22.

Tucker, William J. (See Benedict, G. H., and Tucker.)

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle pincer for looms. 1,589,492; June 22.

Tyler, Ralph S., Cleveland Heights, assignor to The Chandler & Price Company, Cleveland, Ohio. Throw-off mechanism for printing presses. 1,589,577; June 22.

U. S. I. Contracting Company, The. (See Fulweiler, Walter H., assignor.)

Ulrich, John, assignor of one-half to E. W. Burke, Max, N. Dak. Plow-wheel attachment. 1,589,445; June 22.

Underwood Typewriter Company. (See Crews, Clarence M., assignor.)

Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Art Glass & Fixture Co. (See Chappell, John L., assignor.)

Union Switch & Signal Company, The. (See Brown, Donald F., assignor.)

Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)

United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)

United States Graphite Company. (See Adams, Charles W., assignor.)

United States Gypsum Company. (See Butler, John W., assignor.)

United States Hat Machinery Corporation. (See Chudoba, Frank F., assignor.)

Universal Candy and Chocolate Machinery Company. (See Chase, Earle M., assignor.)

Upham, Harlin P., Greenville, N. H. Chair seat and making same. 1,590,135; June 22.

Valentine, Charles A., Yonkers, N. Y. Compound resonator. Re16,367; June 22.

Valentine, William A., sr., East Orange, N. J. Balance level. 1,590,136; June 22.

Valley Mould & Iron Corporation. (See Williams, Edward H., assignor.)

Van Buren, Frederick D., Ithaca, N. Y. Shock absorber. 1,590,137; June 22.

Van de Sandt, Alfred, Los Angeles, Calif. Mortar spreader. 1,589,669; June 22.

Van Gorder, Bevier, assignor to Weser Bros. Inc., New York, N. Y. Mechanical musical instrument. 1,589,446; June 22.

Van Groder, Bevier, assignor to Weser Bros. Inc., New York, N. Y. Mechanical musical instrument. 1,589,447; June 22.

Van Tuyl, Thomas. (See Cook, A. E., and Van Tuyl.)

Van Valkenburg, Hermon L., assignor to Industrial Controller Company, Milwaukee, Wis. Solenoid. 1,590,001; June 22.

Vapor Car Heating Company. (See Gold, E. H., and Russell, assignors.)

Vapor Duplex Magnet Company. (See Scott, Archibald D., assignor.)

Vartia, Karl H., assignor of one-third to A. C. Kremer and one-third to J. Maki, Butte, Mont. Pneumatic stretcher. 1,589,670; June 22.

Vest, Max J., Denver, Colo. Internal-combustion engine. 1,589,578; June 22.

Vesta Battery Corporation. (See Robinson, William S., assignor.)

Victor, Alexander F., Davenport, Iowa. Stereopticon screen. 1,589,493; June 22.

Vlean, Harold F., Liverpool, R. C. Higby, Big Moose, and E. J. O'Neill, Syracuse, N. Y. Rinsing and drying apparatus. 1,590,002; June 22.

Vogel, Josef, Munich, Germany. Carburetor. 1,589,671; June 22.

Voight, George F., Oakland, Calif. Wall sheathing. 1,590,003; June 22.

Vulcan Last Company, The. (See Clausing, George, assignor.)

Vulcan Last Company, The. (See Searl, Clinton M., assignor.)

Wachenheimer, Harry, Providence, R. I. Bracelet. 1,589,728; June 22.

Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)

Wagenhorst, James H., Akron, Ohio. Mandrel for battery jars. 1,590,138; June 22.

Wagenhorst, James H., Jackson, Mich. Automobile wheel. 1,589,448; June 22.

Wagenhorst, James H., Jackson, Mich. Method and apparatus for making wheels. 1,589,772; June 22.

Wagenhorst, James H., Jackson, Mich. Making rims and clamps. 1,590,139; June 22.

Wagenhorst, James H., Jackson, Mich. Tire carrier. 1,590,140; June 22.

Wagner Electric Corporation. (See Reardon, Earl T., assignor.)

Walt, John C., administratrix. (See Lowenstein, Fritz, assignor.)

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,589,773; June 22.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,589,774; June 22.

Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,590,004; June 22.

Wallace, John W., Rock Island, Ill. Molder's chaplet. 1,589,775; June 22.

Ward, Carroll P., assignor of one-half to H. Heckler, Mount Vernon, Ohio. Golf tee. 1,589,494; June 22.

Warden, Charles A., Huntington, W. Va. Self-aligning cable guide. 1,589,776; June 22.

Warren Leather Goods Company. (See Elliott, Bamford, assignor.)

Waterhouse, David. (See Prince-Smith, W., and Waterhouse.)

Waterloo, John, New Eagle, assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass-cutting apparatus. 1,589,910; June 22.

Waterman, Elmer E., Remus, Mich. Operating attachment for tractors. 1,590,005; June 22.

Waters, Dorothy R., assignor to Thomsen & Company, a Firm, New York, N. Y. Toy animal. 1,589,911; June 22.

Weaver, Charles J. (See Dick, Guy E., assignor.)

Weaver, Edward G., Butte, Mont. Air-pressure gauge. 1,590,141; June 22.

Webb, Ernest H., New Brunswick, N. J., assignor to Chase Companies, Waterbury, Conn. Apparatus for carding safety pins. 1,589,777; June 22.

Weber, Fritz. (See Laska, A. L., and Weber.)

Wedgwood, Josiah, & Sons, Inc. of America. (See Goodwin, John E., assignor.)

Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)

Weiler, Henry A., Moneta, assignor of one-half to P. Hammer, Bellflower, Calif. Pipe fitting. 1,589,729; June 22.

Weiss, Max L., Brooklyn, N. Y. Automobile hook latch. 1,589,912; June 22.

Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Lantern body for lighting fixtures. Des. 70,460; June 22.

Wellman-Seaver-Morgan Company, The. (See Rogers, John F., assignor.)

Wells, Burling D., Danbury, Conn., assignor to Molded Socket Corporation, Newark, N. J. Method and molds for making electric sockets. 1,589,913; June 22.

Wells Corporation, The. (See Miller, David B., assignor.)

Wendle, Harry C., Seanor, Pa. Talking-machine reproducer. 1,589,868; June 22.

Wentz, Jere L., Passaic, N. J. Mechanism for positioning truck bodies and the like. 1,589,495; June 22.

Werley, Marvin H., Allentown, Pa. Identification-card-receptacle attachment for automobiles. 1,590,006; June 22.

Werner, Otto P., Milwaukee, Wis., assignor, by mesne assignments, to Kanmagraph Co., New York, N. Y. Apparatus for labelling goods such as stockings and the like. 1,589,778; June 22.

Weser Bros. Inc. (See Van Gorder, Bevier, assignor.)

Wessel, Howard H., assignor to The Hart & Cooley Company, Incorporated, New Britain, Conn. Toy building construction. 1,589,827; June 22.

West, Ross R., San Francisco, Calif. Bank vault. 1,590,007; June 22.

Western Electric Company. (See Akers, Milton K., assignor.)

Western Electric Company. (See Kelley, Walter F., assignor.)

Western Electric Company. (See Kopp, Ottmar H., assignor.)

Western Electric Company. (See Martin, Frederick J., assignor.)

Western Electric Company. (See Maxfield, Joseph P., assignor.)

Western Electric Company. (See Miller, Ohmer R., assignor.)

Western Electric Company. (See Snook, Homer C., assignor.)

Western Electric Company. (See Thurston, E. W., and Chase, assignors.)

Western Lithograph Co. (See Elliott, Charles J., assignor.)

Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)

Westinghouse Lamp Company. (See Hageman, A. M., and Lindstrom, assignors.)

Westinghouse Lamp Company. (See Harrington, E. L., and Preiser, assignors.)

Westinghouse Lamp Company. (See Lorenz, Charles F., assignor.)

Westinghouse Lamp Company. (See Whitmore, J. B., and Ferguson, assignors.)

Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)

Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Crossbar suspension. 1,589,579; June 22.

Whalbe, Jacob M., New York, N. Y. Vestibule-door handle. 1,589,496; June 22.

Wheeler, Susie B., executrix. (See Hall, Samuel Z.)

Wheller, Alfred G., Detroit, Mich. Garage construction. 1,589,914; June 22.

White, D'Orsay M., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake. 1,589,497; June 22.

White, Herbert T., London, and D. J. Smith, Mapledurham, England. Gas producer. 1,590,142; June 22.

White Sewing Machine Corporation. (See Hillix, Foster F., assignor.)

Whitehead, Thomas C., Detroit, Mich. Vehicle wheel. 1,589,915; June 22.

Whitin Machine Works. (See Crockett, Frank L., assignor.)

Whitmore, James B., and J. E. Ferguson, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Potential detector. 1,590,008; June 22.

Whitmore, Leonard W., Menasha, Wis. Auxiliary carrier for vehicles. 1,589,916; June 22.

Whitney, Eddy R., assignor to Commercial Truck Company, Philadelphia, Pa. Motor-vehicle hood. 1,590,009; June 22.

Whitney, Ernest M., Providence, R. I. Separable fastener. 1,589,498; June 22.

Whitridge, John C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,589,499; June 22.

Wilcox, Asa A., Elmira, N. Y. Liquid inlet and air vent for tanks. 1,589,500; June 22.

Wilcox, Charles P., Chicopee, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 70,461; June 22.

Wilcox, Herbert A. (See Rieman, L., and Wilcox.)

Williams, Clarence J., et al. (See Palmer, John, assignor.)

Williams, Edward H., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Method and apparatus for casting steel ingots. 1,589,730; June 22.

Williams, Edward H., South Bend, and F. L. Hunt, Mishawaka, assignors to Perkins Corporation, South Bend, Ind. Windmill for generating electric energy. 1,589,828; June 22.

Williams, Frank D., Los Angeles, Calif. Motion-picture composition. 1,589,731; June 22.

Williams, Homer W., Chicago, Ill. Car construction. 1,589,580; June 22.

Williams, Rolland G., Bridgeport, Conn. Reenforcing clamp for jointed iron poles. 1,589,917; June 22.

Williams, Viola, Cincinnati, Ohio. Clothes drier. 1,590,143; June 22.

Williams, Wallis B. (See Morris, Glenn R., assignor.)

Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Automobile pressed wheel. 1,589,449; June 22.

Willison, Walter W., Brooklyn, assignor to Thermokept Corporation, New York, N. Y. Preparing rice for canning. 1,589,672; June 22.

Wilson, Ezekiel J., East Greenbush, and E. A. Reis, Albany, assignors to F. C. Huyck & Sons, Rensselaer, N. Y. Method and machine for manufacturing paper. 1,589,450; June 22.

Wilson, John W., Walla Walla, Wash. Pencil holder. 1,590,144; June 22.

Wilson Welder & Metals Company. (See Hartford, Claude, assignor.)

Window Glass Machine Company. (See Waterloo, John, assignor.)

Winthrop Chemical Company. (See Herminghaus, Heinrich, assignor.)

Winter, Oskar E., Stockholm, Sweden, assignor of one-half to K. Steinmetz, London, England. Regulating compass. 1,589,673; June 22.

Wired Radio, Inc. (See Duncan, Robert D., jr., assignor.)

Woidich, Francis S., Sapulpa, Okla. Flow-meter test cup. 1,589,418; June 22.

Wohl, Maurice J., Long Island City, assignor to Harry Hertzberg, Brooklyn, N. Y. Rheostat. 1,589,501; June 22.

Woodruff & Edwards Co. (See League, Thomas J., assignor.)

Woodson, Charles W., Los Angeles, Calif. Beet harvester. 1,589,502; June 22.

Woolson, Harry T., Detroit, Mich. Thermostat for motor vehicles. 1,589,779; June 22.

Worthington, Albert P., Los Angeles, Calif. Grip hanger. 1,589,518; June 22.

Wragg, Charles A., Melbourne, Victoria, Australia. Flying machine. 1,589,780; June 22.

Wright, James B., Franklin, assignor of one-half to H. H. Roberts, Jacksonville, Ill. Tie-setting tool. 1,590,145; June 22.

Wuthnow, Verland E., Dillon, Kans. Gas cut-off. 1,590,010; June 22.

Young, James H., and P. D. Gephart, assignors to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 1,589,581; June 22.

Youngblood, Knowles, Atlanta, Ga. Band. 1,589,503; June 22.

Zaki, Nellie. (See Mas, G. N., and Zaki.)

Zeiss, Carl. (See Eppenstein, O., and Steinle, assignors.)

Zeiss, Carl. (See Eppenstein, Otto, assignor.)

Zimmerman, William R., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostatic valve. 1,590,146; June 22.

Zouri Drawn Metals Company. (See Nelson, Charles G., assignor.)

Zottoli, Frank M., Boston, Mass. Turbine-wheel system. 1,589,451; June 22.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator, Foot. P. G. Krenz. 1,590,038 June 22.
Acoustic apparatus, Protector for. J. P. Maxfield. 1,589,408; June 22.
Acetic anhydrids, Manufacturing. L. Hörmann and F. Kaufler. 1,590,097; June 22.
Acid from waste acids, Production of concentrated nitric. H. N. Leutz. 1,590,043; June 22.
Adding machine. R. L. Müller. 1,590,050; June 22.
Air, Humidifying and sterilizing. E. C. Rosenow. 1,589,428; June 22.
Air-pressure gauge. E. G. Weaver. 1,590,141; June 22.
Air-tempering device. J. E. Seltzer. 1,589,865; June 22.
Alarm: *See*—
Vehicle alarm.
Alarm-actuating apparatus. W. A. Kennedy. 1,589,858; June 22.
Alfalfa-meal and bran packer. L. F. Day and J. F. Baker. 1,590,086; June 22.
Alloy, Brass. F. Heusler. 1,590,092; June 22.
Alloy, Silver. F. Heusler. 1,590,091; June 22.
Ammonia from nitrogen and hydrogen, Producing. I. W. Cederberg, L. M. Fjellanger, and V. Grüner. 1,589,682; June 22.
Ammonia synthesis, Purification of gases for. G. Claude. 1,589,628; June 22.
Ammonium sulphate, Recovering. F. F. Marquard. 1,589,809; June 22.
Ampul. G. N. Hein. 1,589,881; June 22.
Angle finder. L. J. Cherry. 1,589,511; June 22.
Atomizer or spraying device. N. Hubbard and T. B. Stillman. 1,590,029; June 22.
Auto transmission. H. O. Hamilton. 1,589,641; June 22.
Auto trucks, Snowplow attachment for. C. H. Frink. 1,589,748; June 22.
Autos, Protective guard and pedal shoe for. W. Saad. 1,589,431; June 22.
Automobile. O. L. Howe. 1,589,393; June 22.
Automobile bumper. J. Palmer. 1,589,549; June 22.
Automobile clutch controllers, Safety device for. O. Kugler, sr. 1,589,473; June 22.
Automobile door handle. J. B. Freysinger. 1,589,525; June 22.
Automobile hook latch. M. L. Weiss. 1,589,912; June 22.
Automobile light-reflecting star. C. L. Huntoon. Des. 70,426; June 22.
Automobile pressed wheel. W. E. Williams. 1,589,449; June 22.
Automobile radiator. J. S. Booth. Des. 70,398; June 22.
Automobile radiators, Home-location indicating means for. W. C. Carlson and M. W. Peterson. 1,589,681; June 22.
Automobile tool box. C. Trigg. 1,589,770; June 22.
Automobile wheel. M. Kayuk. 1,589,806; June 22.
Automobile wheel. J. H. Wagenhorst. 1,589,448; June 22.
Automobiles, Identification-card-receptacle attachment for. M. H. Werley. 1,590,006; June 22.
Automobiles, Nonglare screen for. C. M. Lowther. 1,589,475; June 22.
Automobiles, Rear-vision-mirror bracket for. A. W. Erkins and A. J. Suhre. 1,589,378; June 22.
Automobiles, Sign holder for. J. P. Brennan. 1,589,622; June 22.
Automobiles, Tire lock for. W. J. Schmid. 1,589,433; June 22.
Automobiles, Wheel for. A. V. Somers. 1,589,996; June 22.
Azo compounds to hydrazo compounds, Reduction of. O. W. Brown and C. O. Henke. 1,589,936; June 22.
Bacterial cultures, Apparatus for the production of yoghurt and similar. H. J. Hof. 1,589,693; June 22.
Bagasse and similar materials, Apparatus for drying and handling. W. Kajerdt and M. J. Gnianena. 1,589,805; June 22.
Bagging machine. J. Frank. 1,589,800; June 22.
Bags, Lock for laundry. H. Samble. 1,589,570; June 22.
Band. K. Youngblood. 1,589,503; June 22.
Bank vault. R. R. West. 1,590,007; June 22.
Baseball glove. H. Denkert. 1,589,516; June 22.
Bat-forming machine. M. J. Stack. 1,589,667; June 22.
Bath: *See*—
Shower bath.
Battery jars, Mandrel for. J. H. Wagenhorst. 1,590,138; June 22.
Bed, Automobile. J. W. Hawkins. 1,589,960; June 22.
Bearing, Double-row ball. E. Nides and J. S. Tawresey. 1,589,415; June 22.
Bearing, Graphitic. C. W. Adams. 1,589,919; June 22.
Bed and the like, Day. G. Herz. 1,590,090; June 22.
Bed, Hospital. W. Dry. 1,589,377; June 22.
Bed, Invalid. G. N. Mas and N. Zaki. 1,589,889; June 22.
Belt-shifting mechanism. M. E. Infiorati, jr. 1,589,701; June 22.
Block: *See*—
Drag-scraper block.
Blowing apparatus. C. W. Lummis. 1,589,888; June 22.
Board: *See*—
Ironing board. Plaster board.
Boats or the like, Paddle wheel for. P. Lavigne. 1,589,708; June 22.
Bobbin-changing device, Lay-actuated. A. Antoine. 1,589,346; June 22.
Boiler: *See*—
Locomotive boiler. Steam boiler.
Boiler. P. Heay. 1,589,689; June 22.
Boiler cleaner. S. J. Herman. 1,589,691; June 22.
Book cover. B. Billet. 1,589,458; June 22.
Boot, Rubber. F. H. Martin. 1,590,047; June 22.
Bottle. G. N. Mas. Des. 70,411–13; June 22.
Bottle cap. H. Spengler. 1,589,575; June 22.
Bowl, Detachable stock-watering. M. E. Bulger. 1,589,836; June 22.
Bowl, Stock-watering. C. J. Gardner. 1,590,015; June 22.
Box: *See*—
Automobile tool box. Reflecting box.
Exhaust box.
Box-covering apparatus. R. G. Clark. 1,589,586; June 22.
Box or similar container. N. Kase. Des. 70,429; June 22.
Boxes, Opener for paper. W. T. Clinger. 1,589,683; June 22.
Bracelet. H. Wachenheimer. 1,589,728; June 22.
Brake. D. M. White. 1,589,497; June 22.
Brakes, Antisqueak cushion for automotive. C. E. Christenson. 1,589,585; June 22.
Breathing apparatus, Supporting device for self-contained. A. B. Drager. 1,589,463; June 22.
Breeze collector. W. F. Dietzsch. 1,589,375; June 22.
Brick jointer. W. J. Kelly. 1,589,703; June 22.
Broom holder. H. G. Alford. 1,589,616; June 22.
Brush, Fountain. C. A. Dowd. 1,589,949; June 22.
Buckle. E. C. Schillerstrom. 1,590,063; June 22.
Building construction. H. C. Reuter. 1,589,560; June 22.
Buildings, dwelling houses, and similar structures, Construction of. C. D. Burney. 1,589,938; June 22.
Bumper. H. S. Jandus. 1,589,856; June 22.
Burner: *See*—
Gas burner. Oil burner.
Gas-range burner.
Bushings, Tool for extracting and replacing. J. J. Quint. 1,589,862; June 22.
Button fastener. P. Grunstra. 1,590,023; June 22.
Button for picture or mirror cord. H. Rosenblatt. Des. 70,453; June 22.
Cable guide, Self-aligning. C. A. Warden. 1,589,776; June 22.
Cable-joint structure. R. W. Atkinson. 1,589,505; June 22.
Calculating and recording machines, Ribbon feeding and reversing mechanism for. W. B. Gubelmann. 1,590,024; June 22.
Calculating machine. F. W. Barkley. 1,589,347; June 22.
Cameograph. G. Bontempi. 1,589,933; June 22.
Can-capping machine. J. Albertoli. 1,589,920; June 22.
Candle. F. Millo. Des. 70,445; June 22.
Candlestick. F. L. Fenton. Des. 70,409; June 22.
Cap. B. Benno. 1,589,737; June 22.
Cap. M. L. Peters. 1,589,614; June 22.
Car and other doors, Registering seal for. E. O. Man and C. C. McFate. 1,590,046; June 22.
Car construction. J. F. O'Connor. 1,589,421; June 22.
Car construction. H. W. Williams. 1,589,580; June 22.
Car-coupling device. J. C. Whitridge. 1,589,499; June 22.

Cars, Ladder for sleeping. A. R. Rossman. 1,589,820; June 22.
Carburetor. L. F. Burger. 1,589,360; June 22.
Carburetor. H. Reents and O. G. Jenner. 1,590,059; June 22.
Carburetor. J. Vogel. 1,589,671; June 22.
Carburetor construction. F. Mimick. 1,589,762; June 22.
Carburetors, Thermostatic control for. J. Farkas. 1,589,950; June 22.
Card game, Musical. H. F. Gilbert. 1,589,878; June 22.
Card, Sample. J. Joseph. 1,590,098; June 22.
Carrier: *See*—
Luggage carrier. Tire carrier.
Carrier circuits, Ringing arrangement for. O. H. Loynes and R. S. Ohl. 1,589,405–6; June 22.
Carton, Display. F. X. List. 1,590,044; June 22.
Case: *See*—
Display case. Thermometer case.
Mailing case. Vanity case.
Casein plates, Making curved. I. L. Reeves. 1,589,897; June 22.
Casings, Cleaning furnace. T. Russell. 1,589,987; June 22.
Casting steel ingots, Method and apparatus for. E. H. Williams. 1,589,730; June 22.
Celery cutter. H. A. Schuelter. 1,589,571; June 22.
Celluloid surfaces, Composition for polishing. M. B. Moore. 1,589,813; June 22.
Cellulose derivative, Making a new type of. L. Lilienfeld. 1,589,606; June 22.
Cellulose derivatives, Making. L. Lilienfeld. 1,589,607; June 22.
Cellulose fibers, Sizing. J. A. De Cew. 1,589,947; June 22.
Cellulose plastics and solutions thereof, Manufacture of colored. C. Immerheiser, C. Neubauer, and E. Scharf. 1,589,700; June 22.
Cement-asphalt composition of matter. A. L. Clapp. 1,589,512; June 22.
Ceramic articles, Preparing material for. A. O. Austin. 1,589,617; June 22.
Chain. W. Forstner. 1,589,747; June 22.
Chain. E. F. M. Speidel. 1,589,573–4; June 22.
Chain, Antiskid. H. Klonick. 1,589,602; June 22.
Chain structure. H. Payton. 1,589,423; June 22.
Chair. O. H. Hansen. 1,589,847; June 22.
Chair seat and making same. H. P. Upham. 1,590,135; June 22.
Chair, stepladder, etc., Combination household. H. C. Emrich. 1,589,795; June 22.
Chaplet, Molder's. J. W. Wallace. 1,589,775; June 22.
Chemical reactions, Furnace for. L. Hamburger and E. C. Prins. 1,590,161; June 22.
Chisel holder. J. J. Thurston. 1,589,768; June 22.
Choppers, Ridge-cutting attachment for stalk. T. V. Cooper. 1,589,371; June 22.
Christmas-tree base. W. T. Beazley. Des. 70,397; June 22.
Chromium, Plating with. J. M. Hosdowich. 1,590,170; June 22.
Chuck. C. E. Bridwell. 1,589,355; June 22.
Churn. H. M. Hiner. 1,590,094; June 22.
Churns, Strainer faucet for. A. C. Hougland. 1,589,884; June 22.
Cigarette-making machines, Hopper for. W. F. Grupe. 1,589,639; June 22.
Cinematograph-machine safety device. A. L. Dittmer. 1,589,518; June 22.
Circuit controller. E. Scheemacker and G. Raimond. 1,589,765; June 22.
Circuits, Method and apparatus for making and breaking electrical. F. Lowenstein. 1,589,709; June 22.
Clamp: *See*—
Mop clamp. Polish-rod clamp.
Cleaner: *See*—
Boiler cleaner.
Cleaning articles, Apparatus for. C. H. Schwaner. 1,589,721; June 22.
Cleaning compound. A. Cyrczak. 1,589,840; June 22.
Cloth-cutting machine. J. B. Gury. 1,589,465; June 22.
Clothes drier. V. Williams. 1,590,13; June 22.
Clothes hamper, Metallic. L. Klivansky. 1,589,401; June 22.
Clothesline, Machine for making. wire. L. J. Forester. 1,589,381; June 22.
Clothes wringer. W. A. Frantz. 1,589,635; June 22.
Coasters, Control system and mechanism for amusement. F. W. Darling. 1,589,792; June 22.
Coating machine. A. M. Hageman and A. F. Lindstrom. 1,589,958; June 22.
Coating machines, Flow pan for. E. M. Chase. 1,589,788; June 22.
Cock, Gas. W. E. Booker. 1,590,074; June 22.
Cocks and the like, Locking device for gas-service. F. W. Jauch. 1,590,032; June 22.
Coil amplification unit, Coke-. E. E. Hiler. 1,589,692; June 22.
Coin package. G. J. Hohl. 1,589,694; June 22.
Coin wrapper. R. E. Anchors. 1,589,345; June 22.
Collar, Soft. J. M. Greenberg. 1,589,846; June 22.
Comb and brush, Combined. H. R. Kruse. 1,589,535; June 22.
Compass, Regulating. O. E. Winter. 1,589,673; June 22.
Concrete, Compound for waterproofing Portland-cement. E. C. E. Lord. 1,589,650; June 22.
Concrete construction, Timber clamp for. J. W. Keffer. 1,590,033; June 22.
Concrete floors, Treatment of. D. W. Kessler. 1,589,598; June 22.
Concrete mixers, Hand loader for. W. B. Holland. 1,589,529; June 22.
Concrete post. G. B. Hayes. 1,589,528; June 22.
Condenser for waste steam. O. Sorge. 1,589,822; June 22.
Conductor support. M. W. Manz. 1,589,609; June 22.
Conductor support. S. S. Matthes. 1,589,612; June 22.
Confection cutting and coating machine. J. F. O'Byrne. 1,589,548; June 22.
Confectionery-cooling device. L. B. Smith. 1,589,666; June 22.
Container, Storage-battery. S. T. Campbell. Des. 70,400; June 22.
Containers and the like, Cover for. J. C. Tucker. 1,589,771; June 22.
Conveyer for carrying fibrous material. S. Allingham and M. Soeneus. 1,589,732; June 22.
Coping. H. C. Partridge. 1,590,119; June 22.
Core bars and cores, Handling. J. R. McWane. 1,589,652; June 22.
Corn husker and sheller. J. B. Sagan. 1,589,568; June 22.
Cotton, Apparatus for handling lint. J. C. Rogers. 1,589,427; June 22.
Coupling: *See*—
Tire-chain-tightening coupling.
Coupling. J. A. Homand. 1,589,469; June 22.
Coupling device. R. Drucker. 1,590,153; June 22.
Cow-tail holder. J. W. Hall. 1,589,385; June 22.
Creeper. J. Abetz. 1,590,066; June 22.
Cross-bar suspension. C. T. Westlake. 1,589,579; June 22.
Cup: *See*—
Meter test cup.
Current motor, Brush-shifting alternating-. J. I. Hull. 1,590,030; June 22.
Current voltammeter, Alternating. J. H. Miller. 1,589,812; June 22.
Curtain hanger. E. R. Robertson. 1,589,819; June 22.
Curtain holder. M. Nikola. 1,590,052; June 22.
Curtain rods or poles, Traverse attachment for. H. Reubel. 1,589,559; June 22.
Cutter: *See*—
Celery cutter.
Cutting device for hose couplings, Thread-. D. B. Miller. 1,589,541; June 22.
Cutting tool. F. Imhof. 1,590,031; June 22.
Decolorizing and filtering materials and making same. H. Hoodless. 1,589,532; June 22.
Dental casting device. I. B. Horowitz. 1,589,967; June 22.
Dental plates and preparing the same, Lining for. E. K. Peters. 1,589,552; June 22.
Desk cabinet. H. M. Sturgis. 1,589,442; June 22.
Detector: *See*—
Ground detector. Potential detector.
Die-casting machine. M. Katcher and H. Brudney. 1,589,857; June 22.
Differential. H. C. Stratford. 1,590,129; June 22.
Dish and decorating the same, Glass. C. L. Reisenstein. 1,589,558; June 22.
Dispatch apparatus, Pneumatic-. J. J. Stoetzel. 1,589,998; June 22.
Dispatch systems, Central station for. J. A. Bauer. 1,590,147; June 22.
Dispatch systems, Controller for pneumatic-. J. G. MacLaren. 1,589,538; June 22.
Dispenser, Food. J. E. Roullard. 1,589,565; June 22.
Display case. L. Rieman and H. A. Wilcox. 1,590,060; June 22.
Display stand, Advertising. H. Degginger. 1,589,948; June 22.
Distillation retort, Rotary. H. Nielsen. 1,589,417; June 22.
Divided washer. O. S. Barnum. 1,589,455; June 22.
Doll. E. B. Kenngott. Des. 70,433; June 22.
Dolls, Swivel joint for walking. O. Gans. 1,589,750; June 22.
Door bolt, Garage-. C. S. Handell. 1,589,957; June 22.
Door-control two-wire system. L. P. Hynes. 1,589,968; June 22.
Door handle, Vestibule-. J. M. Whalbe. 1,589,496; June 22.
Door hook. W. A. Ewing. 1,589,874; June 22.
Doorlock. W. Y. Tennyson. 1,590,133; June 22.
Door-operating mechanism. J. and J. Q. Snyder. 1,589,439; June 22.
Doors, Locking handle for. J. Goodman. 1,589,879; June 22.
Dough-kneading machine. E. Lorch. 1,590,103; June 22.
Draft rigging. S. B. Haseltine. 1,589,388; June 22.
Drag-scraper block. W. E. Hale. 1,589,594; June 22.
Drainer, Safety. N. E. Sharpneck. 1,589,486; June 22.
Drier: *See*—
Clothes drier. Hair drier.
Drill head. M. Hokanson. 1,589,596; June 22.
Drills, Quick-feed device for release. J. E. Shaw. 1,589,991; June 22.
Drills, Water feed for rock. J. E. Shaw. 1,589,487; June 22.

Drum. G. H. Logan. 1,589,887; June 22.
Dust-collecting apparatus. G. P. Bartholomew. 1,589,831; June 22.
Dyeing apparatus. F. C. W. Stetler. 1,589,668; June 22.
Dyeing sand. C. Brodrique. 1,590,076; June 22.
Dyestuffs and making same, Trisazo. A. L. Laska and F. Weber. 1,590,042; June 22.
Egg holder. L. Brancˇ. 1,589,935; June 22.
Eggs, Apparatus for preserving. G. H. Benedict and W. J. Tucker. 1,589,457; June 22.
Element, Variable. E. J. Nielsen. 1,589,416; June 22.
Electric conduit, Flexible nonmetallic. H. M. Short. 1,589,438; June 22.
Electric currents, Connecting and disconnecting. C. Christensen. 1,589,366; June 22.
Electric discharge tube. J. M. Schmierer. 1,589,905; June 22.
Electric log. H. S. Collins. 1,590,083; June 22.
Electric machines, Control system for dynamo-. E. F. Bliss. 1,589,931; June 22.
Electric switch. C. E. Anderson. 1,589,922; June 22.
Electric switch. W. A. Atwood. 1,589,924; June 22.
Electric switch or similar article, Handle for. W. H. Harrington. Des. 70,415; June 22.
Electrical conductor, High-resistance. C. F. Lorenz. 1,590,045; June 22.
Electrical generating systems, Power-factor control of. D. H. Couch. 1,590,084; June 22.
Electrode construction. E. Dobrowsky. 1,590,088; June 22.
Electrodeposition. T. Robinson. 1,589,564; June 22.
Electromagnet. J. W. Bishop. 1,589,506; June 22.
Electromagnetic waves, Measuring device for the examination of. H. Behnken, G. Jaeckel, and W. Kutzner. 1,589,833; June 22.
Elevators, Safety device for. S. Christian. 1,590,081; June 22.
Energy taken from high-tension continuous-current supply mains into alternating current, Converting the. F. Bergter. 1,589,350; June 22.
Engine: *See*—
Internal-combustion engine.
Engine attachment. O. A. Moore. 1,590,112; June 22.
Engines, Fuel-feeding device of internal-combustion. A. U. S. Danielsson. 1,589,515; June 22.
Engines in cold air, Device for the starting of internal-combustion. O. A. Schneider. 1,589,864; June 22.
Engines, Regulating mechanism for combustion. P. Daimler. 1,589,789; June 22.
Engines, Single-sleeve valve for internal-combustion. K. W. Najder. 1,589,983; June 22.
Engines, Supplying fuel for internal-combustion. F. Miller. 1,589,982; June 22.
Engines, Valve for internal-combustion. V. R. Stenger. 1,589,441; June 22.
Envelope. E. G. Overly. 1,589,713–14; June 22.
Eraser-cleaning mechanism. J. Lynn. 1,589,978; June 22.
Eraser holder. J. P. Kennedy. 1,589,597; June 22.
Ethyl sulphuric acid, Manufacture of. A. A. L. J. Damiens, M. C. J. E. de Loisy, and O. J. G. Piette. 1,589,372; June 22.
Fabric: *See*—
Knitted fabric.
Farinaceous tubular roll. C. R. Haskell. 1,589,850; June 22.
Fastener, Separable. E. M. Whitney. 1,589,498; June 22.
Faucet-valve key. W. F. Albrecht. 1,590,068; June 22.
Feed device, Nonclogging. J. H. Cooper. 1,589,630; June 22.
Felt articles, Method of and apparatus for treating. F. F. Chudoba. 1,589,626–7; June 22.
Fender: *See*—
Tire fender.
Fiber board of variable thickness, Method and machine for making. A. L. Clapp. 1,589,513; June 22.
Fibrous materials, Decorticating. H. J. Craymer. 1,590,085; June 22.
Film pack. W. Hohmann. 1,589,695; June 22.
Film, Photographic. M. Hagedorn and W. Gladhorn. 1,589,688; June 22.
Filter press. F. J. Bisbee. 1,589,834; June 22.
Filtering material, Making. W. H. Hoodless. 1,589,531; June 22.
Fire apparatus. J. B. Blaw. 1,589,351; June 22.
Fireplaces, Heating attachment for. L. Marchessault. 1,589,539; June 22.
Fish lure. E. O. Penler. 1,589,860; June 22.
Fishing tackle. P. Felix. 1,589,522; June 22.
Fishing tackle, Swivel for use in. J. Robin. 1,589,863; June 22.
Fishing tool for broken jar reins. H. G. Rape. 1,589,896; June 22.
Fixture stems, Manufacturing. G. M. Condit. 1,589,942; June 22.
Flood gate. G. E. Dick. 1,589,844; June 22.
Flowers and the like, Making and supporting artificial. R. Harrison. 1,589,848; June 22.
Flush plate and the like and manufacturing the same. I. L. Reeves. 1,589,898; June 22.
Flush receptacle. P. Hartmann. 1,589,643; June 22.
Flush wall switch. L. A. Kempton. 1,590,036; June 22.
Flying machine. J. E. Fowler. 1,589,590; June 22.
Flying machine. F. E. Skroback. 1,589,723; June 22.
Flying machine. C. A. Wragg. 1,589,780; June 22.
Flying machines, Propeller for. J. E. Fowler. 1,589,592; June 22.
Flying machines, Rudder mechanism for. J. E. Fowler. 1,589,591; June 22.
Folding table. R. B. Meek. 1,589,540; June 22.
Food receptacle or carrier. R. Ronald. 1,590,061; June 22.
Foot rest. V. W. Cavalluzzi. 1,589,941; June 22.
Footballs, Valve for. P. E. Anglade. 1,590,173; June 22.
Fuel in boiler furnaces, Method and apparatus for controlling the combustion of. E. H. Peabody. 1,589,550; June 22.
Fuel, Solid. G. E. Rice. 1,589,561; June 22.
Fungicide composition. O. F. Hedenburg. 1,589,644; June 22.
Furnaces, Cleaning. T. Russell. 1,589,986; June 22.
Fuse. J. L. Lane. 1,589,974; June 22.
Game. J. C. Schlike. 1,589,904; June 22.
Game. F. J. Spitzenberger. 1,590,127; June 22.
Game trap. R. Benson. 1,589,929; June 22.
Garage construction. A. G. Wheller. 1,589,914; June 22.
Garter. L. E. Bisch. 1,589,677; June 22.
Gas burner. P. S. Harper. 1,589,386; June 22.
Gas burner. J. P. Reinecke. 1,589,426; June 22.
Gas cut-off. V. E. Wuthnow. 1,590,010; June 22.
Gas producer. H. T. White and D. J. Smith. 1,590,142; June 22.
Gas purification. W. H. Fulweiler. 1,589,749; June 22.
Gas-range burner. O. and E. G. Siegler. 1,589,993; June 22.
Gases, Cleaning blast-furnace. F. Häring. 1,589,803; June 22.
Gate: *See*—
Flood gate.
Gate. D. H. Davis. 1,589,842; June 22.
Gate. H. C. Long. 1,590,102; June 22.
Gauge: *See*—
Air-pressure gauge. Liquid-level gauge.
Liquid gauge.
Gauge apparatus. F. P. Dierkes. 1,590,087; June 22.
Gear-shifting-lever mechanism, Lock for. O. R. Schoenrock. 1,589,434; June 22.
Gearing, Reduction. W. E. Bee. 1,589,928; June 22.
Generating sets, Automatic switch for. D. D. Myers. 1,589,478; June 22.
Generator: *See*—
Power generator.
Glass and apparatus therefor, Molding. P. R. Murdock. 1,589,654; June 22.
Glass-cutting apparatus. J. Waterloo. 1,589,910; June 22.
Glass-cutting implement. N. Luisi. 1,589,536; June 22.
Glass sheets on worktables for grinding and polishing, Laying. J. W. Butler. 1,589,787; June 22.
Glove. L. Postman. Des. 70,451; June 22.
Golf-ball-washing apparatus. J. R. Conklin. 1,589,839; June 22.
Golf club. R. F. Beamer. 1,589,926; June 22.
Golf club. C. S. Butchart. 1,589,363; June 22.
Golf-club construction. A. A. Kraenter. 1,589,707; June 22.
Golf tee. C. P. Ward. 1,589,494; June 22.
Graders, Rear-axle mounting for road. F. E. Arndt. 1,589,783; June 22.
Gradient meter. W. Tapley. 1,589,767; June 22.
Gramophone. F. Ferris. 1,589,380; June 22.
Grappling device. B. Golden. 1,590,020; June 22.
Grave-filling apparatus. L. Thomas and F. G. Hatt. 1,590,134; June 22.
Grinding machine. F. E. Gardner. 1,589,593; June 22.
Grinding wheel, Sectional. E. R. Hyde. 1,589,855; June 22.
Grinding wheels, Adjustable bearing for. A. P. Steiner. 1,589,440; June 22.
Grip hanger. A. P. Worthington. 1,589,918; June 22.
Grommet-setting device. A. J. Hoffman. 1,590,095; June 22.
Ground detector. L. F. Hunt. 1,589,699; June 22.
Guide and pattern strip. S. H. Calkins. 1,590,149; June 22.
Gun, Air. C. F. Lefever. 1,589,975; June 22.
Gun, Air. E. S. Roe. 1,589,985; June 22.
Hair clippers, Attachment for. F. M. Buckmaster. 1,589,937; June 22.
Hair drier. G. W. Moore. 1,589,981; June 22.
Hammock, Handmade. C. F. Specht. 1,589,824; June 22.
Handle: *See*—
Automobile door handle. Door handle.
Handle ware, Hanger for. W. Ritter. 1,589,818; June 22.
Hanger: *See*—
Curtain hanger. Grip hanger.
Hardware, Body. J. H. Bourgon. 1,589,620; June 22.
Harrow. F. A. Fincham. 1,589,876; June 22.
Harrow, Multiple-section. E. C. Swanson. 1,590,131; June 22.
Harvester, Beet. C. W. Woodson. 1,589,502; June 22.
Harvester, Cotton. S. Z. Hall. 1,590,174; June 22.
Hats, Machine for treating. J. F. Murphy. 1,590,114; June 22.
Hats, Treating. J. F. Murphy. 1,590,113; June 22.
Hay loader. C. W. Sciford. 1,590,125; June 22.
Headlamp. C. E. Godley. 1,590,019; June 22.
Headlight. H. E. Bronson. 1,589,624; June 22.
Headlight. W. H. Sturgeon, jr. 1,590,130; June 22.

Headlight, Automobile. C. E. Godley. 1,590,017; June 22.
Headrest. A. Ringborg. 1,589,900; June 22.
Heater: *See*—
Steam heater. Water heater.
Heating apparatus. R. A. Isenberg. 1,589,702; June 22.
Helicoplane-supporting system. R. P. Pescara. 1,589,658; June 22.
Hides, Frame for stretching and suspending. S. Ede. 1,590,013; June 22.
Hinge. F. J. Bond. 1,589,507; June 22.
Hinge. H. S. Mountford and E. A. Ovenshire. 1,589,613; June 22.
Holder. W. E. Bacon and G. W. Chamberlain. 1,590,069; June 22.
Holder. A. E. Seinecke. 1,589,572; June 22.
Hook: *See*—
Door hook.
Horn and like acoustic apparatus, Sound directing or amplifying. E. A. Graham. 1,589,880; June 22.
Humidifier. H. E. Brunhoff. 1,589,871; June 22.
Humidity regulator. A. J. Loepsinger. 1,589,886; June 22.
Humidor. W. H. Conner. 1,589,369; June 22.
Hydroelectric plant, Water-power transferable. W. C. Kranse. 1,589,403; June 22.
Ice creeper. R. B. Foley. 1,589,877; June 22.
Ignition system, Electric. H. C. Snook. 1,589,489; June 22.
Incense burner. C. G. Putnam. Des. 70,452; June 22.
Index, Visible. J. H. Rand. 1,589,556; June 22.
Indicator. A. J. Kempten. Re16,365; June 22.
Induction motor. C. I. Hall. 1,590,025; June 22.
Insecticide and preparing the same. E. H. Siegler and C. H. Popence. 1,589,866; June 22.
Insulating composition and making the same, Heat-. C. S. Teitsworth. 1,590,132; June 22.
Insulating means. E. T. Reardon. 1,589,817; June 22.
Insulating ring and making the same. L. T. Frederick. 1,589,464; June 22.
Internal-combustion engine. H. T. Herr. 1,589,391; June 22.
Internal-combustion engine. K. L. Herrmann. 1,589,883; June 22.
Internal-combustion engine. H. R. Ricardo. 1,589,662; June 22.
Internal-combustion engine. R. J. Ruths. 1,589,566; June 22.
Internal-combustion engine. M. J. Vest. 1,589,578; June 22.
Iron: *See*—
Soldering iron.
Iron and iron alloys with chromium, Coating. S. Kyropoulos. 1,590,101; June 22.
Iron poles, Reenforcing clamp for jointed. R. G. Williams. 1,589,917; June 22.
Iron, Process and apparatus for melting. Y. A. Dyer. 1,589,589; June 22.
Ironing board. F. W. Lehman. 1,589,605; June 22.
Irrigating device. H. A. Klinglesmith. 1,589,400; June 22.
Jack: *See*—
Pump jack. Vehicle jack.
Joint: *See*—
Tool joint.
Joints, Packing for universal. L. Andreassen. 1,589,829; June 22.
Knitted fabric. V. Lombardi. 1,589,474; June 22.
Knitting machines, Yarn control for. W. P. Drumheller. 1,589,794; June 22.
Knurling. T. D. Campbell. 1,589,584; June 22.
Knurling. R. Hitchcock. 1,589,595; June 22.
Labeling goods such as stockings and the like, Apparatus for. O. P. Werner. 1,589,778; June 22.
Lace. M. H. Daudy. Des. 70,404; June 22.
Lace. A. E. Newton. Des. 70,448; June 22.
Lace, Embroidered. H. Schwarber. Des. 70,458; June 22.
Ladder foot, Adjustable and reversible. H. L. Clary. 1,589,743; June 22.
Ladder, Fruit-gathering. F. W. Nelson. 1,589,655; June 22.
Ladder, Step. E. A. Fuller. 1,589,526; June 22.
Ladders, Safety device for. F. A. Senman. 1,590,064; June 22.
Lamp. E. C. Phillips. Des. 70,450; June 22.
Lamp base. T. J. League. Des. 70,439; June 22.
Lamp-closure fastener, Automobile. E. A. Kuen. 1,589,760; June 22.
Lamp-closure fastening. E. A. Kuen. 1,589,759; June 22.
Lamp, Electric floor. J. C. Faeth. 1,589,845; June 22.
Lamp filaments, Mount for incandescent-. E. L. Harrington and G. K. Preiser. 1,590,164; June 22.
Lamp socket or connecter. C. E. Godley. 1,590,018; June 22.
Lamp socket, Twin. C. E. Godley. 1,590,016; June 22.
Lamps, Column for. T. La Tessa. Des. 70,435–8; June 22.
Lantern and bracket, Combined. J. L. Chappell. Des. 70,402; June 22.
Last. G. Clausing. 1,590,082; June 22.
Last. C. M. Searl. 1,589,485; June 22.
Latch, Coach-door. S. F. Beck. 1,589,832; June 22.
Latch, Crib side. C. H. Boardman. 1,589,352; June 22.
Latch, Door. R. J. Easton. 1,589,634; June 22.
Lath, Plaster-board. J. Schumacher. 1,589,569; June 22.
Laundry tags, Method and machine for applying. J. H. Lynch. 1,589,476; June 22.
Lawn sprinkler. J. W. Puterbaugh. 1,589,861; June 22.
Lens. A. V. Conover. 1,589,370; June 22.
Level, Balance. W. A. Valentine, sr. 1,590,136; June 22.
Lid, Detachable. H. E. Brunhoff. 1,589,872; June 22.
Lid support. D. C. Lamb. 1,590,040–1; June 22.
Life belt, Self-inflating. A. Drapeau. 1,590,151; June 22.
Lighting fixture, Ceiling. S. Airo. Des. 70,396; June 22.
Lighting fixture, Panel for a. E. Kemeny. Des. 70,432; June 22.
Lighting fixtures, Lantern body for. L. R. Wellman. Des. 70,460; June 22.
Lightning arrester. L. S. Brach. 1,589,583; June 22.
Linoleum or similar hard-surfaced covering. F. Cartwright. Des. 70,401; June 22.
Linotype machines, Motor support for. F. W. Ellis. 1,589,843; June 22.
Liquid coating composition, Potentially-reactive. L. C. Byck. 1,590,079; June 22.
Liquid gauge. A. L. Carter. 1,589,510; June 22.
Liquid-level gauge. A. L. Carter. 1,589,509; June 22.
Liquids by rotary spindles, Apparatus for distributing. M. Birkigt. 1,590,073; June 22.
Loading rigging. J. J. Hill. 1,590,093; June 22.
Lock: *See*—
Nut lock. Seat lock.
Locomotive. H. S. Burnham. 1,589,361–2; June 22.
Locomotive boiler. C. G. Hawley. 1,589,961; June 22.
Locomotive-cylinder structure. F. I. Bird and H. K. Harwick. 1,589,930; June 22.
Locomotive throttle valve. F. H. Clark and A. F. Steubing. 1,589,368; June 22.
Loose-leaf device. C. J. Elliott. 1,590,014; June 22.
Loom. W. H. Baker. 1,589,734; June 22.
Looms, Feeler mechanism for. J. F. Reardon and G. Poirrier. 1,589,557; June 22.
Looms, Shuttle placer for. R. G. Turner. 1,589,492; June 22.
Looms, Tuft-yarn carrier for. W. Bixby and C. Lea. 1,590,169; June 22.
Loud speaker. M. C. Hopkins. Des. 70,425; June 22.
Lubricant or grease cup filler, Portable. R. W. Reed. 1,590,058; June 22.
Lubricator: *See*—
Rail lubricator.
Luggage carrier. L. W. Mowry. 1,589,893; June 22.
Luggage, Hand. B. Elliott. 1,589,520; June 22.
Machine and method, Folding. A. R. Ridderstrom. 1,589,718; June 22.
Machine element. W. E. Porter. 1,590,055; June 22.
Mail-distributing machine. V. Garcia. 1,589,383; June 22.
Mailing case, Parcel-post. G. Herken and H. L. Herken. 1,589,690; June 22.
Manifold, Combined intake and exhaust. T. B. Hogg. 1,589,758; June 22.
Manufacture, Article of. J. Schmutz. 1,589,665; June 22.
Material-moving apparatus. G. T. Smith. 1,589,907; June 22.
Measuring device. O. Eppenstein. 1,589,797; June 22.
Measuring machine. O. Eppenstein and A. Steinle. 1,589,796; June 22.
Metal coating. F. C. Kelley. 1,590,034; June 22.
Metal, Coating with. J. A. Daly. 1,589,841; June 22.
Metal, Mold for casting. P. C. Chesterfield. 1,589,365; Metal-working machine. H. Pels. 1,589,657; June 22.
Metallic organic compound and making the same, Water-soluble. M. S. Kharasch. 1,589,599; June 22.
Meter: *See*—
Gradient meter.
Meter test cup, Flow-. F. S. Woldich. 1,589,418; June 22.
Micrometers, Attachment for. A. De Ghetto. 1,589,462; June 22.
Milking stool. J. E. England. 1,589,521; June 22.
Mill: *See*—
Pulverizing mill.
Minerals, Treatment of boron containing. A. Kelly. 1,590,099; June 22.
Mining and other purposes, Control of doors and gates for. D. F. Brown. 1,589,357; June 22.
Mirror and sun blinder, Combination. J. N. Mettel. 1,590,048; June 22.
Mixer. F. A. Baynes. 1,589,735; June 22.
Mixing device. P. S. Prather. 1,590,056; June 22.
Mixing machine. W. R. Grace. 1,590,021; June 22.
Mold: *See*—
Permanent mold.
Mold. J. F. Casey. 1,589,742; June 22.
Molding machine. J. T. Ramsden. 1,589,555; June 22.
Molding machine. W. S. Robinson. 1,589,984; June 22.
Mop clamp. S. Elliott. 1,590,155; June 22.
Mortar spreader. A. Van de Sandt. 1,589,669; June 22.
Motor: *See*—
Current motor. Induction motor.
Motor control and oil-pressure gauge, Automatic. P. B. Newkirk. 1,589,545; June 22.
Motor drive. C. P. Brockway. 1,589,459; June 22.
Motor fuel and internal-combustion operation. P. A. Howard. 1,589,885; June 22

Motor truck, Extensible. A. E. Cook and T. Van Tuyl. 1,589,943; June 22.
Musical instrument, Mechanical. B. Van Gorder. 1,589,446–7; June 22.
Musical instrument, Tailpiece for stringed. A. D. Grover. 1,589,755; June 22.
Nail file or similar article. M. Schnefel. Des. 70,454; June 22.
Nail-knob assembling and securing machine. F. M. Case. 1,589,940; June 22.
Nail-knob assembly. F. M. Case. 1,589,939; June 22.
Necktie. O. C. Richardson. 1,589,899; June 22.
Nipple, Nursing. S. Dreyfus. 1,590,152; June 22.
Nitrocellulose composition. E. R. Littmann. 1,589,608; June 22.
Nut lock. B. Roach. 1,589,592; June 22.
Occlusal-plane finder. J. S. Landa. 1,589,973; June 22.
Occlusal planes, Apparatus for locating. P. A. Gould. 1,589,802; June 22.
Oil burner. J. A. Kenworthy. 1,589,704; June 22.
Oil burner. J. C. D. Nicholson. 1,590,115; June 22.
Oil, Combustion of hydrocarbon. R. O. Humphrey. 1,589,698; June 22.
Oil compositions, Preparing pigment-. G. W. Acheson. 1,590,067; June 22.
Oil strainer, Self-cleaning. E. I. Staples. 1,590,128; June 22.
Oil-treating apparatus. E. A. Dieterle. 1,589,631; June 22.
Oil, Treating wood tar. C. Ellis. 1,590,156; June 22.
Oils from solid substances, Apparatus for extracting volatile. M. Cline. 1,589,838; June 22.
Oils into lower-boiling oils, Conversion of high-boiling hydrocarbon. P. J. Sweeny. 1,589,008; June 22.
Olefine oxides, Making. J. N. Burdick. 1,589,358; June 22.
Ore treatment. J. T. Terry, jr. 1,589,615; June 22.
Organ, Folding. P. P. Bilhorn. 1,589,618; June 22.
Organic compounds, Catalytic oxidation of. C. R. Downs. 1,589,632; June 22.
Orthodontic appliance. E. H. Angle. 1,589,782; June 22.
Oven, Bake. P. Hleb. 1,589,468; June 22.
Overalls. F. Ferguson. 1,589,951; June 22.
Package, Cigarette. A. W. Lee. 1,589,603; June 22.
Packer: *See*—
Alfalfa-meal and bran packer.
Padding, Resilient. L. E. B. Desmarquoy. 1,589,517; June 22.
Painting machinery. G. Martinez. 1,589,711; June 22.
Paper fastener. S. P. Khatunzeff. 1,589,600; June 22.
Paper, Machine for reenforcing. C. H. Howard. 1,590,167; June 22.
Paper-making machine. A. Aldrich. 1,589,921; June 22.
Paper, Method and machine for manufacturing. E. J. Wilson and E. A. Rees. 1,589,450; June 22.
Paper or similar article, Box-cover. J. Dornbusch. Des. 70,405; June 22.
Paper printing, Obtaining contact in processed. W. W. Mathes. 1,589,811; June 22.
Paper, Producing fibrillose margins on. J. A. Moore. 1,589,542; June 22.
Paving plant, Portable. C. C. Mosher. 1,589,814; June 22.
Pawl-and-rachet mechanism. J. F. Rogers. 1,589,663; June 22.
Pencil holder. J. W. Wilson. 1,590,144; June 22.
Pencil, Self-feeding. G. T. Sheley. 1,590,126; June 22.
Permanent mold. H. S. Lee. 1,589,604; June 22.
Phonograph records, Filing system for. E. Bergdal. 1,590,148; June 22.
Phonographs, Automatic brake for. J. Andrassy. 1,589,343; June 22.
Photographic and projecting instrument. G. Griffith. 1,589,754; June 22.
Photographic cartridges, Sticker band for. J. G. Jones. Re16,366; June 22.
Photographic prints and films, Drier for. G. D. Harris. 1,589,642; June 22.
Photographing device, Protected. J. E. Seebold. 1,589,436; June 22.
Piano case. J. D. Hurst. Des. 70,427; June 22.
Piano key. B. Federle. 1,589,745; June 22.
Piano-pedal attachment. W. Doubetz. 1,590,012; June 22.
Pickling solutions, Reclaiming spent. H. S. Marsh and R. S. Cochran. 1,589,610; June 22.
Picture composition, Motion-. F. D. Williams. 1,589,731; June 22.
Picture machines, Projector for moving-. C. R. Lord. 1,589,761; June 22.
Pin. C. G. King. 1,589,705; June 22.
Pin-setting apparatus. P. Roble. 1,590,124; June 22.
Pins, Apparatus for carding safety. E. H. Webb. 1,589,777; June 22.
Pins, etc., Machine for carding safety. H. M. Gleason. 1,589,751; June 22.
Pineapples, Machine for peeling, coring, and sizing. C. Hargreaves. 1,590,162; June 22.
Pipe connection, Flexible. E. H. Gold and E. A. Russell. 1,589,801; June 22.
Pipe couplings and the like, Reclaiming. P. J. Shrum. 1,589,906; June 22.
Pipe fitting. H. A. Weller. 1,589,729; June 22.
Pipe wrench. P. Ratcliff. 1,589,763; June 22.
Piston ring. O. A. Penberthy. 1,589,482; June 22.
Piston rings, Tool for removing and replacing. W. F. Hiatt. 1,589,392; June 22.
Pistons, Rebushing. G. Dunton and C. Dawson. 1,589,633; June 22.
Planing machine. J. H. Schelbeler. 1,589,720; June 22.
Plaster board. J. Strand. 1,589,724; June 22.
Plate or similar article. J. E. Goodwin. Des. 70,411; June 22.
Plating, Chromium. K. W. Schwartz. 1,589,988; June 22.
Pliers. T. Prentice. 1,589,425; June 22.
Plow for potato planting, Hoe. T. O. Gaalaas. 1,589,685; June 22.
Plow-wheel attachment. J. Ulrich. 1,589,445; June 22.
Plows, Soil screen for. J. Kemp. 1,590,035; June 22.
Plumbing, Floor push-button device for. C. A. Bock and A. Goertz. 1,589,353; June 22.
Polish-rod clamp. E. L. Gluyas. 1,590,160; June 22.
Polishing mechanism, Roll-. I. J. Blose. 1,589,835; June 22.
Post: *See*—
Concrete post.
Potato grader. C. H. Clark. 1,589,367; June 22.
Potential detector. J. B. Whitmore and J. E. Ferguson. 1,590,008; June 22.
Power condenser washer. W. B. Miller and E. F. Shook. 1,589,980; June 22.
Power generator, Pneumatic. A. H. Schreiber. 1,589,766; June 22.
Power-transmission mechanism. W. F. Diden. 1,589,793; June 22.
Power-transmission mechanism. F. F. Dorsey and C. W. Crumrine. 1,590,150; June 22.
Press: *See*—
Filter press. Sugar-jack press.
Stripping and filling press.
Press. V. T. Grabs. 1,589,686; June 22.
Presses, Feeder for briquetting. A. K. Nowak. 1,590,053; June 22.
Pressing machine. S. T. Hart. 1,590,026; June 22.
Pressure-control system. H. J. Grigoleit. 1,589,384; June 22.
Printing machine. E. Nichols. 1,589,546; June 22.
Printing machines, Sheet-gripper mechanism of. J. W. Jakeman. 1,589,396; June 22.
Printing presses, Throw-off mechanism for. R. S. Tyler. 1,589,577; June 22.
Products having a crystalline appearance and products thereof, Producing. C. N. Ferguson. 1,589,875; June 22.
Projection apparatus. C. L. Bausch and W. L. Patterson. 1,589,349; June 22.
Propylene oxide, Making. J. N. Burdick. 1,589,359; June 22.
Puller. W. A. Gillentine. 1,590,159; June 22.
Pulverizing mill. L. C. Bonnot and W. M. Barker. 1,589,740–1; June 22.
Pump. G. A. Humason. 1,589,394; June 22.
Pump, Automatic fluid-pressure displacement. R. I. Pendleton. 1,589,551; June 22.
Pump, Double-acting air. H. C. Headstream. 1,589,389; June 22.
Pump jack, Well. M. L. Dobson. 1,589,376; June 22.
Pumps, Display spout for dispensing. C. Spaeth. 1,589,997; June 22.
Pumps, Speed-reducing device for. J. C. Howard. 1,590,166; June 22.
Punch. F. F. Hallman. 1,589,527; June 22.
Punch, Rivet. W. J. Heyl. 1,589,645; June 22.
Radiator cap. T. B. Drescher. Des. 70,406; June 22.
Radiator cap. W. Schnell. Des. 70,455–7; June 22.
Radiator-cap ornament. R. Karki. Des. 70,430; June 22.
Radio apparatus panels, Dial escutcheon for. A. H. Grebe. Des. 70,412–3; June 22.
Radio receiver cabinet, Wired. R. D. Duncan, jr. Des. 70,407; June 22.
Radio receiving apparatus. R. R. Batcher. 1,589,925; June 22.
Radio signaling system. M. K. Akers. 1,589,344; June 22.
Radio system. D. G. McCaa. 1,589,979; June 22.
Radio tuning device. E. G. Danielson. 1,589,946; June 22.
Rail connection. P. Pariso. 1,590,117; June 22.
Rail lubricator. G. Buroz. 1,590,078; June 22.
Rail-securing device. E. W. Harris. 1,590,165; June 22.
Rail-securing means. W. Dalton. 1,589,790; June 22.
Rail tie and fastening. A. E. Bloss. 1,589,932; June 22.
Railway-crossing-gate mechanism. M. D. Roach. 1,589,563; June 22.
Railway-crossing signal. D. Brown. 1,589,679; June 22.
Railway spike. V. C. King and V. Morris. 1,589,971; June 22.
Railway-switch heel-block structure. P. E. Gerhard. 1,589,954; June 22.
Railway-tie plate. J. B. Pickelsimer. 1,589,895; June 22.
Railway-track-tie-removing device. W. W. Bartlett. 1,590,070; June 22.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,590,004; June 22.
Rasp. L. H. Roberts. 1,589,901; June 22.
Razor, Safety. N. A. Strand. 1,589,826; June 22.
Reamer, Rotary. A. Boynton. 1,589,508; June 22.

Record device, Plural-. J. F. Shoemaker. 1,589,722; June 22.
Reel. F. Mossberg. 1,589,414; June 22.
Reflecting box. F. J. Donahue. 1,590,011; June 22.
Reflecting instrument. J. M. Thompson. 1,589,576; June 22.
Refrigerating apparatus. J. G. De Remer. 1,589,373; June 22.
Refrigerating apparatus. L. S. Kellholtz. 1,589,397; June 22.
Refrigerating unit. E. L. Barnes. 1,589,348; June 22.
Refrigerating machines, Air-cooled condenser for. J. E. Mitchell. 1,589,412; June 22.
Refrigerator and ice container therefor. M. Reinoldt. 1,589,484; June 22.
Refrigerator wall. C. E. Giessner. 1,589,638; June 22.
Regulator: *See*—
Humidity regulator. Voltage regulator.
Temperature regulator.
Resistor, Variable. C. Hardy. 1,590,163; June 22.
Resonator Compound. C. A. Valentine. Re16,367; June 22.
Retort. S. Forssén. 1,589,746; June 22.
Retracting device. I. V. Howd. 1,589,697; June 22.
Rheostat. M. J. Wohl. 1,589,501; June 22.
Rice for canning, Preparing. W. W. Willison. 1,589,672; June 22.
Riding stick. O. Soderholm. 1,589,491; June 22.
Rims and clamps, Making. J. H. Wagenhorst. 1,590,139; June 22.
Ring: *See*—
Piston ring.
Ring. M. L. Novack. 1,589,547; June 22.
Rinsing and drying apparatus. H. F. Vieau, R. C. Higby, and E. J. O'Neill. 1,590,002; June 22.
Ripping tables, Work guide for. F. R. Moe. 1,589,413; June 22.
Riveting device. J. B. Havrilla. 1,589,851; June 22.
Roaster and similar utensil. W. R. Dick. 1,589,588; June 22.
Rolling mill, Casing for a. J. Mezger. Des. 70,444; June 22.
Rolls, Making tubular farinaceous. C. R. Haskell. 1,589,849; June 22.
Roofing elements, Making. J. H. Gillis. 1,589,636–7; June 22.
Roofing, Flexible tile. J. F. Robbitt. 1,589,785; June 22.
Rosin and turpentine from wood, Apparatus for extracting. M. Cline. 1,589,837; June 22.
Rubber vulcanization, Accelerator for. A. F. Hardman. 1,589,757; June 22.
Safety device and operating means. G. W. Ruggles. 1,589,903; June 22.
Sail rigging. E. W. Smith. 1,589,488; June 22.
Salt and pepper shaker, Combined. A. J. Flauder. Des. 70,410; June 22.
Sash fastener. J. Holtzman. 1,589,804; June 22.
Sashes, Glazing angle for metallic window. A. H. Nesheim. 1,590,051; June 22.
Saw. E. Foster. 1,589,799; June 22.
Saw and square construction, Combination. E. Belgrove. 1,589,676; June 22.
Saw guard. E. E. Jones. 1,589,970; June 22.
Sawmill carriages, Hook dog for. F. E. Martin. 1,590,110; June 22.
Sawmill carriages, Link dog for. F. E. Martin. 1,590,108; June 22.
Sawmill carriages, Mechanism for controlling movement of hook dogs for. F. E. Martin. 1,590,107; June 22.
Sawmill carriages, Mechanism for operating hook dogs for. F. E. Martin. 1,590,106; June 22.
Sawmill carriages, Operating adjunctive devices on. F. E. Martin. 1,590,109; June 22.
Sawmill machinery. F. E. Martin. 1,590,105; June 22.
Scale for a cutting blowpipe, Pressure tip. G. R. McDermott. 1,589,651; June 22.
Scale remover. E. Hathaway. 1,589,959; June 22.
Screed holder. G. W. Brooks. 1,589,356; June 22.
Screen: *See*—
Stereopticon screen.
Scythe fastening. J. W. Boren. 1,589,354; June 22.
Seal sheet. A. W. Fletcher. 1,590,158; June 22.
Seat lock, Folding. R. H. Cosgrove. 1,589,460; June 22.
Seesaw rocker. J. E. Taylor. 1,589,443; June 22.
Separator: *See*—
Storage-battery separator.
Severing device. A. M. Bates. 1,589,784; June 22.
Sewing machine. A. F. Carlson. 1,589,625; June 22.
Sewing machine. B. T. Leveque. 1,589,976; June 22.
Sewing-machine drive pulley. F. F. Hillix. 1,589,966; June 22.
Sewing machines, Thread pull-off for. J. W. Connors. 1,589,629; June 22.
Shears. P. Brenner. 1,590,075; June 22.
Shears, Billet. H. Pels. 1,589,656; June 22.
Sheet material, Clamp for. G. S. Heath. 1,590,089; June 22.
Sheet-metal structure and making the same. J. C. Sheffner. 1,589,437; June 22.
Shingle. G. Ritter. 1,589,719; June 22.
Shingle, Sheet-metal. G. A. Belding. 1,589,675; June 22.
Ship-steering mechanism. W. Frensdorff and H. Hein. 1,589,382; June 22.
Shock absorber. F. D. Van Buren. 1,590,137; June 22.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,589,420; June 22.
Shoe dauber. H. A. Kuns. 1,589,807; June 22.
Shoe-shining machine, Casing for. H. D. Thomas. Des. 70,459; June 22.
Shotgun, Sporting. W. Rempt. 1,589,764; June 22.
Shower bath. H. B. Pitcher. 1,590,121; June 22.
Sifter. W. Czarski. 1,589,945; June 22.
Sign, Illuminated. R. A. Tibbs. 1,589,769; June 22.
Sign, Trail. P. W. Bresnahan. Des. 70,399; June 22.
Signal: *See*—
Railway-crossing signal.
Signal. G. R. Morris. 1,589,653; June 22.
Signal and stop light, Combined direction. J. C. Nordgran. Des. 70,449; June 22.
Signaling apparatus on moving trains, Safety. H. Helmstädter. 1,589,963; June 22.
Slurry, Treating. R. C. Newhouse. 1,589,712; June 22.
Soap holder. C. L. Parker. 1,590,118; June 22.
Sockets, Method and mold for making electric. B. D. Wells. 1,589,913; June 22.
Sodium chloride from mixed salts, Separation of. C. E. Dolbear. 1,589,519; June 22.
Soldering iron. F. Bernhard. 1,589,738; June 22.
Soldering iron. J. A. De Lisle. 1,589,843; June 22.
Solenoid. H. L. Van Valkenburg. 1,590,001; June 22.
Solids of different size or specific gravity, Separating. G. B. Burnham. 1,589,680; June 22.
Sound-signaling apparatus, Radiating member of. H. Hecht, W. Hahnemann, W. Rudolph, and A. du Bois-Reymond. 1,589,962; June 22.
Spacing carriage. W. J. McCann. 1,589,808; June 22.
Spark plug. H. and F. Grosser. 1,590,022; June 22.
Spark-plug tester. G. Staebler. 1,589,825; June 22.
Speed-control system. W. Seiz. 1,590,065; June 22.
Speedometer. J. T. Sibley. 1,589,992; June 22.
Spool, Ribbon. H. E. Hubbard. 1,589,533; June 22.
Spoon or similar article. S. V. James. Des. 70,428; June 22.
Spraying device, Face-. M. Landberg. Des. 70,434; June 22.
Spraying machine. T. R. Evans, sr. 1,589,684; June 22.
Spring: *See*—
Vehicle spring.
Sprinkler: *See*—
Lawn sprinkler.
Stand: *See*—
Display stand.
Steam boiler. P. Thomsen. 1,589,999; June 22.
Steam heater. E. Kirlak. 1,589,706; June 22.
Steering-gear check. A. Porter. 1,589,554; June 22.
Stereotype mats, Humidor for. G. G. McCafferty. 1,589,710; June 22.
Stereopticon screen. A. F. Victor. Stereopticon screen. 1,589,493; June 22.
Stop motion. C. W. Hubbard. 1,589,648; June 22.
Storage-battery separator. P. E. Norris. 1,589,419; June 22.
Storage-battery terminal. R. B. Tessman. 1,589,726; June 22.
Store front. B. M. Oberdorfer. 1,589,815; June 22.
Stove, Brooder. J. R. Phelan. 1,589,717; June 22.
Stove damper. H. Tscherning. 1,589,909; June 22.
Strainer. S. Natow and H. Green. 1,589,544; June 22.
Strand material and guiding the same, Mechanism for controlling the unwinding of. A. D. Scott. 1,589,435; June 22.
Straw dispenser. A. Mazzoni and Y. Fujishin. 1,589,891; June 22.
Street signal, Revolving. C. G. Hayes. Des. 70,424; June 22.
Stretcher, Pneumatic. K. H. Vartia. 1,589,670; June 22.
Stretching apparatus. G. L. Mather. 1,589,890; June 22.
Stringed instruments, Tuning attachment for. W. J. Pavek. 1,589,422; June 22.
Stripping and filling press. R. Holz. 1,589,530; June 22.
Studding, Composition. C. A. Peters. 1,589,716; June 22.
Sugar-jack press. T. A. Harper. 1,589,958; June 22.
Sulphonated thianthrenes useful as pharmaceutical compounds. H. Herminghaus. 1,589,390; June 22.
Surgical instrument. R. W. Armstrong. 1,589,923; June 22.
Surgical protective guard or shield. E. G. Burns. 1,590,077; June 22.
Suspension device. W. Travell. 1,589,727; June 22.
Switch: *See*—
Electric switch. Flush wall switch.
Switch. H. Cohic. 1,589,744; June 22.
Syringe, Hypodermic. J. E. Jaros. 1,589,969; June 22.
Syringe, Positive blood-letting hypodermic. G. N. Hein. 1,589,882; June 22.
Table: *See*—
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Talking machine, Coin-controlled. S. Perron. 1,589,424; June 22.
Talking-machine reproducer. H. C. Wendle. 1,589,868; June 22.
Tanks. Filling attachment for fuel. O. Creed. 1,589,514; June 22.
Tanks, Liquid inlet and air vent for. A. A. Wilcox. 1,589,500; June 22.
Tar and light oil, Reclaiming. W. F. Dietzsch. 1,589,374; June 22.

Telechronometer current converter. G. Babcock. 1,589,582; June 22.
Telephone-exchange system. O. H. Kopp. 1,589,402; June 22.
Telephone-exchange system. E. W. Thurston. 1,589,444; June 22.
Telephone-exchange system, Automatic. O. R. Miller. 1,589,409; June 22.
Telephone receiver. K. Siehel. 1,589,823; June 22.
Telephone repeater. O. B. Jacobs. 1,589,395; June 22.
Temperature regulator. P. R. Owens. 1,589,715; June 22.
Tent, Portable. P. J. Belanger. 1,590,072; June 22.
Textile machinery, Thread guide for spinning, twisting, and other analogous. W. Price-Smith and D. Waterhouse. 1,590,122; June 22.
Textile rings, Traveler for. S. S. Gordon. 1,589,753; June 22.
Textile scavenger system. F. L. Crockett. 1,589,944; June 22.
Thermometer case. C. S. J. Russell. 1,589,430; June 22.
Threads from tissues, Machine for drawing out. H. C. Fischer. 1,589,524; June 22.
Tie-setting tool. J. B. Wright. 1,590,145; June 22.
Tile, Nonslip. L. H. Minton. 1,589,411; June 22.
Tire. C. P. Wilcox. Des. 70,461; June 22.
Tire carrier. J. H. Wagenhorst. 1,590,140; June 22.
Tire carrier, Underslung. W. R. Green. 1,589,955; June 22.
Tire-chain fastener. E. Henderson. 1,589,852; June 22.
Tire-chain-tightening coupling. A. N. Smith. 1,589,995; June 22.
Tire fender. E. D. Seldomridge. 1,589,990; June 22.
Tire for vehicle wheels, Auxiliary. D. L. Rennie. 1,589,661. June 22.
Tire-removing tool. R. Seaferd. 1,589,989; June 22.
Tire rim, Demountable. H. W. Olsen. 1,590,054; June 22.
Tire tread, Vehicle. J. E. Lorentz. Des. 70,440; June 22.
Tire valve, Pneumatic. F. Myers. 1,589,479; June 22.
Tires and apparatus therefor, Manufacturing pneumatic. O. J. Kuhlke. 1,590,168; June 22.
Tires, Pressure indicator for pneumatic. H. H. Hood. 1,589,470; June 22.
Tobacco, Apparatus for treating. W. F. Nagel. 1,589,480; June 22.
Tobacco pipe. A. Montekue. Des. 70,446; June 22.
Toilet seats, Machine for applying and removing sanitary covers for. O. T. Rouse. 1,589,429; June 22.
Token holder. G. E. Thorberg. 1,590,172; June 22.
Tonic, Hair. M. Kulicky. 1,590,100; June 22.
Tool joint, Rotary. J. M. Anderson. 1,589,781; June 22.
Tools from bore holes, Removing broken. T. Bornemann. 1,589,678; June 22.
Tooth or crown and fastening means therefor, Artificial. A. K. Simmons. 1,589,994; June 22.
Toy. A. Stapley. 1,589,867; June 22.
Toy animal. D. R. Waters. 1,589,911; June 22.
Toy bank. W. Morrison. Des. 70447; June 22.
Toy building construction. H. H. Wessel. 1,589,827; June 22.
Toy carnival. P. A. Sapp. 1,589,432; June 22.
Toy cat. K. L. Kellogg. Des. 70,431; June 22.
Toy railway bridge. H. S. Becker. 1,590,071; June 22.
Toy range. D. C. Hughes. 1,589,649; June 22.
Tractor-driven machinery. D. Obernuefemann. 1,589,481; June 22.
Tractor wheel. J. Sillery. 1,589,821; June 22.
Tractors, Buckrake attachment for. J. W. Krebs. 1,590,037; June 22.
Tractors, Operating attachment for. E. E. Waterman. 1,590,005; June 22.
Traffic-signal-light device. A. M. Knauber. 1,589,972; June 22.
Transmission band. W. T. Manning. 1,590,104; June 22.
Transmission device, Variable. C. J. Z. Fanberg. 1,589,379; June 22.
Trap: *See*—
Game trap.
Trap-nest construction. S. Avila. 1,589,830; June 22.
Trellis, Vine. H. C. Haas. Des. 70,416-23; June 22.
Trolley system, Overhead. L. W. Birch. 1,589,619; June 22.
Truck bodies and the like, Mechanism for positioning. J. L. Wentz. 1,589,495; June 22.
Truck bodies, Equipment for. R. E. Greene. 1,589,687; June 22.
Tube: *See*—
Electric discharge tube. Vacuum tube.
Tube mounting, Soot-blower. B. L. Ames. 1,589,870; June 22.
Tubing, Method of and machine for forming seamless. E. C. Riebe. 1,590,123; June 22.
Tuft weaving, Tube frame for. W. Bixby. 1,589,739; June 22.
Tunnel kiln. A. M. Duckham. 1,590,154; June 22.
Turbine-wheel system. F. M. Zottoli. 1,589,451; June 22.
Type-casting machines, Electric heat-control system for. W. S. Hadaway, jr. 1,589,466; June 22.
Type, Changeable. A. M. Hennen. 1,589,964; June 22.
Typewriting and like machine. R. H. Strother. 1,589,725; June 22.
Typewriting machine. C. M. Crews. 1,589,461; June 22.
Typewriting machine. A. G. F. Kurowski. 1,590,039; June 22.
Typewriting machine. J. Waldheim. 1,589,773-4; June 22.
Undercutter. F. S. Smith. 1,590,175; June 22.
Utilizing energy of flow, Process and apparatus for. L. F. Moody. 1,590,049; June 22.
Vacuum chambers, Air-seated valve for. N. P. Bach. 1,589,453; June 22.
Vacuum feed system. E. R. Huntley. 1,589,472; June 22.
Vacuum sealing machine. N. P. Bach. 1,589,454; June 22.
Vacuum tube. G. H. Perryman. 1,589,483; June 22.
Vacuumizing material, Method of and apparatus for. N. P. Bach. 1,589,452; June 22.
Valve. G. Holtz. 1,589,696; June 22.
Valve. C. S. Moore. 1,589,892; June 22.
Valve. H. W. Phillips and N. Sayed. 1,589,659; June 22.
Valve, Air. N. Hubbard. 1,589,471; June 22.
Valve, Automatic. O. M. Kirlin. 1,589,601; June 22.
Valve, Combined trip and throttle. C. E. Spinnler. 1,590,171; June 22.
Valve-controlling means. A. Borchardt. 1,589,934; June 22.
Valve fitting. R. H. Mueller and C. W. Hathaway. 1,589,894; June 22.
Valve, Flushing. D. E. Gulick. 1,589,640; June 22.
Valve for flush tanks, Float. A. C. Bradshaw. 1,589,786; June 22.
Valve, Gasoline-tank. H. M. Plotner. 1,589,660; June 22.
Valve motion. C. Johnson. 1,589,534; June 22.
Valve, Thermionic. A. E. Beattie. 1,589,927; June 22.
Valve, Thermostatic. F. W. Robertshaw. 1,589,902; June 22.
Valve, Thermostatic. W. R. Zimmerman. 1,590,146; June 22.
Vanity case. W. A. Goertz. 1,589,752; June 22.
Vehicle. C. A. Herle. 1,589,965; June 22.
Vehicle alarm. E. G. Ferrer. 1,589,523; June 22.
Vehicle bumper. H. Caplan. 1,589,304; June 22.
Vehicle cab. A. C. Moyses. 1,589,543; June 22.
Vehicle, Child's. R. B. Fageol. Des. 70,408; June 22.
Vehicle construction, Cushion connection for. A. F. Masury and A. H. Leipert. 1,589,611; June 22.
Vehicle door control. N. Milner. 1,589,410; June 22.
Vehicle hood, Motor. E. R. Whitney. 1,590,009; June 22.
Vehicle jack. H. R. Faucher and L. H. Hogsett. 1,590,157; June 22.
Vehicle spring. G. A. Leonard. 1,589,404; June 22.
Vehicle spring suspension system, Motor. S. W. Nelson. 1,589,859; June 22.
Vehicle suspension system. R. H. Hassler. 1,589,467; June 22.
Vehicle wheel. G. Homlak. 1,589,647; June 22.
Vehicle wheel. T. C. Whitehead. 1,589,915; June 22.
Vehicles, Auxiliary carrier for. L. W. Whitmore. 1,589,916; June 22.
Vehicles, Light projector especially suitable for use upon. H. S. Ryland. 1,589,664; June 22.
Vehicles, Propulsion mechanism for children's. J. H. McElroy. 1,589,477; June 22.
Vehicles, Thermostat for motor. H. T. Woolson. 1,589,779; June 22.
Ventilator. J. H. Young and P. D. Gephart. 1,589,581; June 22.
Vessels, System for guiding. W. F. Kelley. 1,589,398; June 22.
Vitamines, Apparatus for obtaining. L. A. Agopian. 1,589,504; June 22.
Voltage regulator. H. B. Marshall. 1,589,810; June 22.
Vulcanizing apparatus. W. H. Foster. 1,589,952; June 22.
Wagon, Coaster. P. K. Raasch. 1,590,057; June 22.
Wall sheathing. G. F. Voight. 1,590,003; June 22.
Warp-drawing machine. H. D. Colman. 1,589,587; June 22.
Washboilers, Attachment for. O. Hoge. 1,590,096; June 22.
Washer: *See*—
Divided washer. Power condenser washer.
Washer feeder. E. B. Carter. 1,590,080; June 22.
Washers into heel molds, Device for loading. H. N. Northrop. 1,590,116; June 22.
Watchcase appendage. A. P. Conant. Des. 70,403; June 22.
Water column. F. C. Anderson. 1,589,342; June 22.
Water, Filtering and purifying. C. H. Perry. 1,590,120; June 22.
Water heater. J. Brombacher. 1,589,623; June 22.
Water heater, Feed. I. C. Hicks. 1,589,646; June 22.
Water-heating system, Locomotive-feed. M. Hard. 1,589,756; June 22.
Weather strip. R. M. Frawley. 1,589,953; June 22.
Webs, Process and apparatus for saturating fibrous. A. R. Lukens and N. C. Pike. 1,589,537; June 22.
Weft-detecting mechanism, Support for. E. H. Ryon. 1,589,567; June 22.
Welding-rod holder. E. A. Bearson. 1,589,674; June 22.
Welding tools, Electrode-holder cut-out for. A. Lucas. 1,589,977; June 22.

Welding wires and making same, Package of. C. Hartford. 1,589,387; June 22.
Wheel: *See*—
Automobile wheel. Tractor wheel.
Grinding wheel. Vehicle wheel.
Wheels, Attachment for vehicle. G. Rossitto. 1,590,062; June 22.
Wheels, Method and apparatus for making. J. H. Wagenhorst. 1,589,772; June 22.
Wheelbarrow. H. C. Trowe. 1,590,000; June 22.
Whipstock. F. Kinzbach. 1,589,399; June 22.
Wick, Woven. F. W. Spangler. 1,589,490; June 22.
Windmill for generating electric energy. E. H. Williams. 1,589,828; June 22.
Window attachment. H. A. Meyer. 1,590,111; June 22.
Window-frame pulley. C. E. Bowers. 1,589,621; June 22.
Window-sash construction. R. T. Axe. 1,589,733; June 22.
Window sash, Metal. C. G. Nelson. Re16,368; June 22.
Windows and the like, Adjuster for casement. N. B. Hurd. 1,589,854; June 22.
Windows, Pressure frame for sliding. O. Dannehl. 1,589,791; June 22.
Wire articles, Machine for forming. W. H. Hern. 1,590,027; June 22.
Wire bending and cutting machine. P. Beghetti. 1,589,456; June 22.
Wire crimper. F. J. Ewers. 1,589,798; June 22.
Wiring between switches, Testing system for testing multiple. F. J. Martin. 1,589,407; June 22.
Wrapping machine. P. Pierce. 1,589,553; June 22.
Wrapping machines, Control mechanism for. P. Pierce. 1,589,816; June 22.
Wrench: *See*—
Pipe wrench.
Wrench. I. C. Bell. 1,589,736; June 22.
Wringer: See—
Clothes wringer.
Yarns or threads, Machine for winding. H. Holt. 1,590,028; June 22.
Yeast foam malted milk and product thereof, Manufacturing. C. B. Hill and M. H. Givens. 1,589,853; June 22.

CLASSIFICATION OF PATENTS

ISSUED JUNE 22, 1926.

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34: 1,589,379
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75— 1: 1,590,091
1,590,092
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78— 49: 1,589,645
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5.1: 1,589,595
81— 3: 1,589,683
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103: 1,589,763
186: 1,589,736
83— 9: 1,589,740
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84— 40: 1,580,447
134: 1,589,446
232: 1,590,012
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312: 1,589,422
354: 1,589,618
411: 1,589,887
433: 1,589,745
85— 19: 1,589,971
51: 1,589,435
87— 5: 1,589,840
88— 1: 1,589,761
1,590,011
14: 1,589,796
1,589,797
16: 1,589,731
16.4: 1,589,754
17: 1,589,518
19.5: 1,589,688
24: 1,589,349
1,589,493
90— 13.1: 1,589,933
91— 3: 1,589,788
14: 1,589,548
42: 1,589,711
68: 1,589,598
1,590,076
68.2: 1,589,841
70.2: 1,590,034
75: 1,589,537
92— 21: 1,589,947
38: 1,589,450
42: 1,589,513
45: 1,589,921
93— 1: 1,589,542
54: 1,589,586
94— 17: 1,590,149
43: 1,589,814
95— 11: 1,589,436
22: 1,589,695
77: 1,589,811
97— 1: 1,589,445
10: 1,590,035
56: 1,589,685
98— 4: 1,589,581
50: 1,589,865
55: 1,589,831
99— 2: 1,589,457
8: 1,589,672
10: 1,589,850
11: 1,589,853
57: 1,589,686
100— 123: 1,589,546
101— 287: 1,589,577
368: 1,589,964
395: 1,589,665
411: 1,589,396
103— 70: 1,589,403
232: 1,589,551
235: 1,589,472
105— 44: 1,589,361
1,589,362
1,589,930
106— 7.5: 1,589,411
18: 1,590,132
25: 1,589,712
31: 1,589,512
107— 65: 1,589,468
108— 8: 1,589,719
17: 1,589,675
33: 1,589,785
109— 1: 1,590,007
112— 78: 1,589,524
22: 1,589,976
242: 1,589,629
113— 14: 1,589,920
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114— 39: 1,589,488
157: 1,589,625
115— 23: 1,589,708
118— 61: 1,589,753
119— 5: 1,589,385
47: 1,589,830
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57: 1,589,442
121— 10: 1,589,487
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37: 1,589,706
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79: 1,589,441
81: 1,589,983
119: 1,589,789
122: 1,589,578
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148: 1,589,489
169: 1,590,022
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292: 1,589,909
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128— 11: 1,589,576
75: 1,589,670
218: 1,589,881
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220: 1,589,882
245: 1,590,077
252: 1,590,152
320: 1,589,923
129— 1: 1,590,014
130— 9: 1,589,568
131— 12: 1,589,572
30: 1,589,871
39: 1,589,639
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132— 83: 1,589,752
86: 1,589,535
133— 10: 1,589,345
1,589,694
11: 1,590,172
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26: 1,590,079
39: 1,590,067
79: 1,589,608
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135— 4: 1,590,072
136— 145: 1,589,419
137— 21: 1,589,342
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53: 1,589,659
93: 1,589,640
104: 1,589,786
139: 1,589,353
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1,590,171
138— 10: 1,589,384
139— 10: 1,589,739
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176— 39: 1,590,164
109: 1,590,088
122: 1,589,905
177— 314: 1,589,523
337: 1,589,653
351: 1,589,382
385: 1,589,396
178— 44: 1,589,396
101— 1,589,709
179— 4: 1,589,405
1,589,406
143— 124: 1,590,109
125: 1,590,106
1,590,107
1,590,108
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151: 1,589,799
159: 1,589,970
163: 1,590,175
171: 1,589,413
144— 90: 1,589,720
291: 1,590,033
146— 52: 1,590,162
116: 1,589,571
149— 21: 1,590,013
151— 13: 1,589,562
152— 12: 1,589,479
1,590,173
14: 1,589,602
153— 1: 1,589,476
64: 1,589,456
77: 1,589,798
154— 1: 1,590,167
2: 1,589,569
10: 1,590,168
155— 42: 1,589,795
69: 1,589,443
77: 1,589,847
174: 1,589,400
184: 1,589,517
156— 20: 1,589,559
27: 1,589,819
33: 1,590,052
157— 1: 1,589,772
1,589,989
158— 4: 1,589,550
46.5: 1,589,660
53: 1,589,698
75: 1,589,704
1,590,115
104: 1,589,993
105: 1,589,386
112: 1,589,426
163— 8: 1,589,751
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164— 47: 1,589,657
49: 1,589,656
68: 1,589,784
84: 1,589,465
117: 1,589,808
167— 3: 1,589,428
5: 1,590,100
6: 1,589,866
7: 1,589,693
169— 23: 1,589,858
25: 1,589,351
170— 159: 1,589,592
171— 95: 1,589,812
119: 1,589,416
206: 1,589,817
312: 1,589,931
172— 274: 1,590,065
278: 1,590,025
280: 1,590,030
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173— 259: 1,589,736
268: 1,589,505
328: 1,590,018
330: 1,589,643
337: 1,590,016
175— 30: 1,589,583
183: 1,589,699
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372: 1,590,001

179 — 11: 1,589,582
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58: 1,589,444
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53: 1,589,481
69: 1,590,009
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6: 1,589,564
27: R. 16,367
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82: 1,589,962
183 — 45: 1,589,803
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187 — 40: 1,590,081
188 — 2: 1,589,497
62: 1,589,792
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189 — 32: 1,589,917
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77: 1,590,051
78: 1,589,560
190 — 41: 1,589,520
191 — 40: 1,589,609
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192 — 43: 1,589,793
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196 — 5: 1,589,374
58: 1,589,908
128: 1,589,631
197 — 65: 1,589,725
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198 — 162: 1,589,732
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200 — 15: 1,589,744
67: 1,589,922
72: 1,590,036
81: 1,589,545
109: 1,589,924
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141: 1,589,765
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201 — 51: 1,589,810
201 — 55: 1,590,163
56: 1,589,501
76: 1,590,045
202 — 3: 1,589,746
15: 1,589,417
203 — 4: 1,590,156
6: 1,589,837
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204 — 1: 1,589,988
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206 — 4: 1,590,061
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56: 1,590,069
207 — 2: 1,590,123
208 — 38: 1,589,477
114: 1,590,057
182: 1,589,491
209 — 245: 1,589,945
408: 1,589,367
210 — 62: 1,590,120
167: 1,590,002
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188: 1,589,834
211 — 8: 1,589,891
14: 1,590,060
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212 — 74: 1,589,727
95: 1,590,068
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221 — 47.4: 1,590,038
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223 — 30: 1,590,114
224 — 8: 1,589,463
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72: 1,589,713
230 — 13: 1,589,888
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236 — 9: 1,589,715
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242 — 6: 1,589,553
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243 — 9: 1,589,998
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244 — 12: 1,589,723
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123: 1,590,097
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264 — 21: 1,589,992
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273 — 33: 1,589,494
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277 — 35: 1,590,098
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279 — 65: 1,589,355
280 — 80: 1,589,783
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286 — 15: 1,589,829
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290 — 4: 1,590,084
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292 — 4: 1,589,957
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114: 1,589,912
122: 1,589,634
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307: 1,590,032
347: 1,589,525
296 — 55: 1,589,364
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294 — 66: 1,589,806
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122: 1,589,965
308 — 65: 1,589,440
198: 1,589,415
242: 1,589,919

June 29, 1926

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ackerman, Blaesser, Fezzey, Inc., Detroit, Mich. Automobile ventilators and window regulators. 214,582; June 29; Serial No. 227,619; published Apr. 20, 1926.

Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerating apparatus, refrigerating machines, and refrigerators. 214,633; June 29; Serial No. 220,587; published Apr. 13, 1926.

Alexander Industries, Inc., Englewood, Colo. Advertising and publicity motion-picture films. 214,659; June 29; Serial No. 227,492; published Apr. 13, 1926.

Alexandria Bedding Company. (See McCain, James H.)

Allied Piano Manufacturers, Inc., Brooklyn, N. Y. Pianos. 214,719; June 29.

Allied Piano Manufactureres, Inc., Brooklyn, N. Y. Pianos. 214,721; June 29.

Ambassador Sales Co., Inc., New York N. Y. Condensers for radio apparatus. 214,670; June 29; Serial No. 208,030; published Mar. 30, 1926.

American Body Company Incorporated, Dallas, Tex. Vehicle bodies. 214,576; June 29; Serial No. 226,705; published Apr. 20, 1826.

American Bosch Magneto Corporation, Springfield, Mass. Battery eliminators for radio apparatus and parts thereof. 214,713; June 29.

American Device Manufacturing Company, St. Louis, Mo. Mail chutes and boxes for buildings. 214,551; June 29; Serial No. 221,939; published Apr. 13, 1926.

American Over-Orient Trading Corporation, New York, N. Y. Mocha coffees. 214,696; June 29; Serial No. 193,088; published Apr. 13, 1926.

American Work Clothes, Inc., Little Rock, Ark. Men's overalls, pants, and work shirts. 214,578; June 29; Serial No. 227,213; published Mar. 30, 1925.

Amsco Products, Inc., New York, N. Y. Resistance units and grid leaks. 214,682; June 29; Serial No. 224,489; published Mar. 30, 1926.

Arrow Emblem Co., Inc., New York, N. Y. Scarf and collar pins, collar buttons, studs, etc. 214,618; June 29; Serial No. 225,858; published Mar. 30, 1926.

Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Chili sauce. 214,523; June 29; Serial No. 201,529; published Apr. 13, 1926.

Bakelite Corporation, New York, N. Y. Meter frames, disks, and cases, speedometer parts, watch glasses, etc. 214,663; June 29; Serial No. 221,592; published Apr. 6, 1926.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 214,530; June 29; Serial No. 222,060; published Apr. 13, 1926.

Belmont, Ralph A., New York, N. Y. Writing ink. 214,625; June 29; Serial No. 226,416; published Apr. 6, 1926.

Biddick, Walter W., Inc., Los Angeles, Calif. Radio products. 214,569; June 29; Serial No. 201,531; published Dec. 9, 1924.

Biesenthal-Johnston Co., The, New York, N. Y. Dresses of silk, cotton, wool, etc. 214,652–3; June 29; Serial Nos. 226,877–8; published Apr. 13, 1926.

Bippart, Bennett & Co., Newark, N. J. Jewelry for personal wear, not including watches. 214,684; June 29; Serial No. 224,946; published Mar. 30, 1926.

Blanke, C. F., Candy Co., branch of C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Candy. 214,620; June 29; Serial No. 226,033; published Apr. 13, 1926.

Blue Hill Candy Co., St. Louis, Mo. Candies. 214,654; June 29; Serial No. 227,032; published Apr. 6, 1926.

Blue Point Tool Company, Chicago, Ill., and Racine, Wis. Electroplaters. 214,672; June 29; Serial No. 209,117; published Apr. 6, 1926.

Boom, William B., Cleveland, Ohio. Lathes, planers, drill presses, chisels, saw blades, etc. 214,560; June 29; Serial No. 225,762; published Apr. 13, 1926.

Bright Star Battery Co., doing business as Eclipse Battery Co., Hoboken, N. J. Electric batteries. 214,606; June 29; Serial No. 223,017; published Mar. 30, 1926.

Britt, Mary. (See Carboll Salve Co., assignor.)

Brodhead, James L., doing business as The Mighty Mender Co., Kittanning, Pa. Liquid adhesive for mending various articles. 214,722; June 29.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Sound records for phonographs and other machines. 214,556; June 29; Serial No. 224,497; published Mar. 23, 1926.

Bulwinkle, John E., doing business as Litex Inc., Charleston, S. C. Metal trash containers. 214,650; June 29; Serial No. 226,801; published Apr. 13, 1926.

Burt, L. G., Tulsa, Okla. Oil-well swabs. 214,558; June 29; Serial No. 225,502; published Apr. 13, 1926.

Caledonia Celluloee Company, Inc., New York, N. Y. Sanitary napkins. 214,589; June 29; Serial No. 228,226; published Apr. 13, 1926.

Camp, H. B., Company, The, Greentown, Ohio, to National Fire Proofing Company, Pittsburgh, Pa., successor. Clay ducts and conduits. 56,790; renewed Oct. 16, 1926.

Campbell, Guy, London, England. Dumb-bells, grip developers, and muscular developers. 214,592; June 29; Serial No. 222,305; published Apr. 13, 1926.

Caplan, David, Company, Boston, Mass. Cloth covers for froning boards. 214,681; June 29; Serial No. 224,275; published Mar. 30, 1926.

Carboll Salve Co., The, Fayetteville, assignor to M. Britt, Franklin and Nashville, Tenn. Salve. 56,318; renewed Sept. 11, 1926.

Carson Pirie Scott & Co., Chicago, Ill. Pearls and pearl necklaces. 214,544; June 29; Serial No. 201,881; published Mar. 23, 1926.

Cellas, Inc., New York, N. Y. Relishes. 214,724; June 29.

Chase, Herbert, Forest Hills, N. Y. Toy buildings. 214,603; June 29; Serial No. 212,321; published Apr. 13, 1926.

Cherry, J. G., Company, Cedar Rapids, Iowa. Ice-cream freezers. 214,720; June 29.

Chesterman Company, Sioux City, Iowa. Beverages, juices, sirups, and extracts. 57,416; renewed Nov. 13, 1926.

Chetelat, Andre, Co., Baltimore, Md. Coffee-flavored chocolate preparation for making table beverages, etc. 214,703; June 29.

Chocolate Sales Corporation, Hershey, Pa. Milk chocolates. 214,626; June 29; Serial No. 226,634; published Apr. 13, 1926.

Clark Thread Company, The, Newark, N. J. Cotton thread. 54,654; renewed June 26, 1926.

Clark Thread Company, The, Newark, N. J. Cotton thread. 54,934; renewed Aug. 7, 1926.

Clark Thread Company, The, Newark, N. J. Vamping thread. 56,110; renewed Aug. 28, 1926.

Cohn & Rosensberger, Inc., New York, N. Y. Brooches, necklaces, dress ornaments, finger rings, etc. 214,619; June 29; Serial No. 225,912; published Apr. 6, 1926.

Colfax Fruit Growers Association, Colfax, Calif. Fruits. 214,637; June 29; Serial No. 217,072; published Apr. 13, 1926.

Consolidated Battery Company, Buffalo, N. Y., and Philadelphia, Pa. Electric batteries. 214,614; June 29; Serial No. 225,649; published Mar. 30, 1926.

Cronite Foundry Company Limited, The, London, England. Metal and alloys of metal. 214,588; June 29; Serial No. 228,087; published Apr. 13, 1926.

Denning, Patrick F., doing business as Denning Manufacturing Company, Cleveland, Ohio. Snow and ice skates. 214,706; June 29.

Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Electric household appliances. 214,546; June 29; Serial No. 206,281; published Mar. 23, 1926.

Dewalt Products Co., Leola, Pa. Woodworking machinery and parts thereof. 214,541; June 29; Serial No. 227,343; published Apr. 13, 1926.

Diamond Electric Specialties Corporation, Newark, N. J. Batteries. 214,610; June 29; Serial No. 225,507; published Mar. 30, 1926.

Diamond Power Specialty Corporation, Detroit, Mich. Appliances for cleaning boilers. 214,540; June 29; Serial No. 227,445; published Apr. 13, 1926.

Dickey, W. J., & Sons, Incorporated, Wilmington, Del., to W. J. Dickey & Sons, Incorporated, Oella, Md. Kersey and cassimere. 57,308; renewed Nov. 13, 1926.

Dorward, J. & J. C., Limited, Galashiels, Scotland. Costumes, coats, and skirts for women; hats, caps, suits, and overcoats for men and children. 214,673; June 29; Serial No. 220,599; published Apr. 13, 1926.

Durable Knitting Mills, Philadelphia, Pa. Knitted jackets, vests, and sweaters. 214,699; June 29.

Durant Motocover Co., Inc., New York, N. Y. Automobile seat covers. 214,598; June 29; Serial No. 226,187; published Apr. 20, 1926.

Duro Pump and Manufacturing Company, The, by change of name The Duro Company, Dayton, Ohio. Pneumatic pressure systems, pumps, explosive engines, etc. 214,550; June 29; Serial No. 220,509; published Dec. 1, 1925.

Eastman Kodak Company, Rochester, N. Y. Photographic cameras, panoramic attachments for cameras, etc. 214,622; June 29; Serial No. 226,188; published Apr. 6, 1926.

Eastman Kodak Company, Rochester, N. Y. Photographic film. 214,656; June 29; Serial No. 227,299; published Apr. 13, 1926.

Eckel, Edwin C., Washington, D. C. Cement. 214,604; June 29; Serial No. 211,908; published Nov. 24, 1925.

Eclipse Battery Co. (See Bright Star Battery Co.)

Eg-Cono-Me Manufacturing Company, Des Moines, Iowa. Egg substitutes. 214,526; June 29; Serial No. 209,779; published Apr. 13, 1926.

Electric Rotary Machine Co., Chicago, Ill. Electrical floor-surfacing machines. 214,688; June 29; Serial No. 225,354; published Mar. 30, 1926.

Elevator Supplies Co., Inc., Hoboken, N. J. Electric position indicator for elevators. 214,612; June 29; Serial No. 225,602; published Mar. 30, 1926.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 214,579; June 29; Serial No. 227,266; published Apr. 13, 1926.
Exhibitors Supply Company Inc., Chicago, Ill. Electric floor-lighting lamps. 214,727; June 29.
Faber, Eberhard, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Penholders. 57,022; renewed Oct. 30, 1926.
Fairfax Textile Mills Inc., New York, N. Y. English broadcloth. 214,590; June 29; Serial No. 208,187; published Mar. 31, 1925.
Farah, Habib, New York, N. Y. Bathing cloaks. 214,707; June 29.
Fashion Center, The, Glendale, Calif. Hats, coats, cloaks, suits, dresses, etc. 214,700; June 29.
Filtration Engineers Inc., New York, N. Y. Automatic vacuum filters, sand filters, drying systems, and drum-type driers, etc. 214,676–7; June 29; Serial Nos. 223,029–30; published Apr. 13, 1926.
Fonnesbeck, Jens C., doing business as Fonnesbeck Knitting Works, Logan City, Utah. Knitted underwear. 214,689; June 29; Serial No. 226,720; published Apr. 13, 1926.
Foster, William A., jr., Milwaukee, Wis. Candy. 214,645; June 29; Serial No. 224,009; published Apr. 6, 1926.
Fraim-Slaymaker Hardware Co., Inc., Lancaster, Pa. Builders' hardware. 214,532; June 29; Serial No. 225,086; published Apr. 13, 1926.
Franklin Knitting Mills, Inc., New York, N. Y. Knitted cloaks, capes, suits, and dresses, skirts, etc. 214,708; June 29.
Franklin Knitting Mills, Inc., New York, N. Y. Knitted sweaters, and vests, coats, hats, etc. 214,709; June 29.
Gimbel Brothers, Inc., New York, N. Y.; Philadelphia, Pa.; and Milwaukee, Wis. Radio receiving sets. 214,644; June 29; Serial No. 223,473; published Mar. 30, 1926.
Gonzalez, Arthur, New York, N. Y. Mexican chick peas. 214,648; June 29; Serial No. 226,136; published Mar. 9, 1926.
Grand Rapids Bookcase and Chair Co., Hastings, Mich. Household furniture. 214,716; June 29.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radiodials and mountings therefor. 214,629; June 29; Serial No. 222,453; published Mar. 30, 1926.
Greist Manufacturing Company, The, New Haven, Conn. Portable electric lamps. 214,715; June 29.
Guillard, Felix, Paris, France. Imitation pearls. 214,552; June 29; Serial No. 222,455; published Mar. 23, 1926.
Hales Layer Poster Corporation, New York, N. Y. Picture-construction sets of layer pieces. 214,594; June 29; Serial No. 223,962; published Apr. 13, 1926.
Harford Frocks, Inc., Chicago, Ill. Women's outer apparel. 214,705; June 29.
Harkness Radio Corporation, New York, N. Y. Coils, condensers, rheostats, resistances, tubes, and batteries. 214,547; June 29; Serial No. 208,192; published Mar. 30, 1926.
Harrison Brush Company, Philadelphia, Pa. Brushes. 214,577; June 29; Serial No. 227,176; published Apr. 13, 1926.
Henton, H. Bennie, Philadelphia, Pa. Mouthpieces for musical wind instruments. 214,623; June 29; Serial No. 226,197; published Apr. 6, 1926.
Herald Watch Co., Inc., New York, N. Y. Watches, watchcases, watch movements, and parts of the same. 214,575; June 29; Serial No. 207,567; published Mar. 30, 1926.
Herald Watch Co., Inc., New York, N. Y. Watches, watchcases, watch movements, and parts of the same. 214,668; June 29; Serial No. 207,568; published Mar. 30, 1926.
Hershey, Lloyd B., doing business as The Safe Padlock and Hardware Company, Lancaster, Pa. Locks and latches and keys therefor. 214,583; June 29; Serial No. 227,743; published Apr. 20, 1926.
Hevi-Duty Electric Company, Milwaukee, Wis. Electric furnaces. 214,702; June 29.
Highland Park Manufacturing Company, Charlotte, N. C. and Rock Hill, S. C., to Highland Park Mfg. Co., Charlotte, N. C. Ginghams. 56,958–9; renewed Oct. 30, 1926.
Hing, Wong, doing business as Mun Hing, Mun Hing Noodle Factory, and Mun Hing Chow Mein and Noodle Factory, Minneapolis, Minn. Chinese foods and groceries. 214,527; June 29; Serial No. 209,889; published Apr. 13, 1926.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 214,695; June 29; Serial No. 227,352; published Apr. 6, 1926.
Houck, William C., Philadelphia, Pa. Towels, handkerchiefs, and napkins. 214,591; published June 29; Serial No. 208,293; published Mar. 24, 1926.
Hungerford, U. T., Brass & Copper Co., New York, N. Y. Bronze sheets. 214,661; June 29; Serial No. 227,586; published Apr. 13, 1926.
Ideal Specialty Co., Brooklyn, N. Y. Ironing-board pads and covers. 214,725; June 29.
International Feature Service, Inc., New York, N. Y. Series of motion-picture films. 214,563; June 29; Serial No. 226,427; published Apr. 6, 1926.
Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 214,701; June 29.
Kelly, William C., Orangeburg, S. C. Small empty receptacles. 214,627; June 29; Serial No. 226,660; published Apr. 13, 1926.
Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 214,685; June 29; Serial No. 225,265; published Apr. 13, 1926.
Keystone Fruit Products Company, The, Hamilton, Ohio. Baker's vanilla, marshmallow frost, cocoa paste, etc. 214,531; June 29; Serial No. 223,583; published Apr. 13, 1926.
Kibbe, E. S., Company, The, Hartford, Conn. Canned foods and roasted coffee. 214,624; June 29; Serial No. 226,198; published Apr. 13, 1926.
Korolo Game Company, Des Moines, Iowa. Game played with balls and mallets. 214,600; June 29; Serial No. 226,249; published Apr. 13, 1926.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned foods, olives, fruit preserves, etc. 214,567; June 29; Serial No. 184,737; published July 14, 1925.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Pancake flour, raisins, eggs, etc. 214,571; June 29; Serial No. 202,121; published Mar. 17, 1926.
Landauer & Co., London, England. Canned fruits and vegetables and dried fruits, etc. 214,642; June 29; Serial No. 223,177; published Apr. 13, 1926.
Lang-Kohn Manufacturing Company, St. Louis, Mo. Dresses. 214,635; June 29; Serial No. 218,419; published Apr. 13, 1926.
La Victoria Packing Co. (See Baca, Pablo.)
Leichter, Mark M., doing business as Lichter's Egyptian Smoke Shop. Cigarettes, cigars, smoking tobacco. 214,536; June 29; Serial No. 226,064; published Apr. 13, 1926.
Lentheric, Inc., New York, N. Y. Perfume. 214,539; June 29; Serial No. 206,854; published Feb. 10, 1925.
Lion Safety Pin Clutch Co., Inc., The, New York, N. Y. Ring guards. 214,611; June 29; Serial No. 225,517; published Mar. 30, 1926.
Litex Inc. (See Bulwinkle, John E.)
Live Long Toys, Chicago, Ill. Dolls and footballs. 214,597; June 29; Serial No. 225,699; published Apr. 13, 1926.
Loening Aeronautical Engineering Corporation, New York, N. Y. Airplanes, seaplanes, flying boats, etc. 214,697; June 29.
Loewy, Morris, doing business as New York Machinery Company, New York, N. Y. Baling presses. 214,564; June 29; Serial No. 226,435; published Apr. 13, 1926.
Massillon Steel Casting Company, The, Massillon, Ohio. So-called alloy steels and castings made therefrom. 214,667; June 29; Serial No. 220,733; published Apr. 13, 1926.
Master Metal Products Inc., Buffalo, N. Y. Garbage and waste cans. 214,562; June 29; Serial No. 226,250; published Apr. 13, 1926.
McCain, James H., doing business as Alexandria Bedding Company, Alexandria, La. Beds, bed springs, mattresses, pads, and pillows. 214,657; June 29; Serial No. 221,326; published Apr. 6, 1926.
McGovern & McGovern, Seattle, Wash. Canned salmon and canned loganberries. 214,634; June 29; Serial No. 219,901; published Apr. 13, 1926.
Melnick, Isidore, New York, N. Y. Paper bags. 214,559; June 29; Serial No. 225,070; published Apr. 13, 1926.
Mighty Mender Co., The. (See Brodhead, James H.)
Minneapolis Brewing Company, Minneapolis, Minn. Ginger ale. 214,580; June 29; Serial No. 227,528; published Apr. 13, 1926.
Monowatt Electric Import Company, Inc., New York, N. Y. Small ornamental colored Christmas-tree electric-lamp reflectors, electric Christmas-tree lamps, etc. 214,568; June 29; Serial No. 186,518; published Feb. 17, 1925.
Munson, S. L., Co., Albany, N. Y. Dresses, aprons, blouses, etc. 214,632; June 29; Serial No. 209,539; published Oct. 13, 1925.
Muntz-Wright Company. (See Rauschenberg, Carl H., assignor.)
Music Master Corporation, Philadelphia, Pa. Radiotubes. 214,616–17; June 29; Serial Nos. 225,837–8; Mar. 30, 1926.
Musselman, A. J., Chicago, Ill. Radiotubes. 214,718; June 29.
Napier Co., The, New York, N. Y. Bracelets, vanity cases, and mesh bags, etc., all made wholly or in part of precious metals. 214,554; June 29; Serial No. 223,318; published Mar. 23, 1926.
National Cream Fried Cake Co., Inc., New York, N. Y. Coconut cookies. 214,714; June 29.
National Fire Proofing Company. (See Camp, H. B., Company.)
Navarro, Hijo de Juan J., Espinardo-Murcia, Spain, and New York, N. Y. Paprika. 214,528; June 29; Serial No. 217,710; published Apr. 13, 1926.
Nazeley, Jean, doing business as J. Nazeley Co., New York, N. Y. Antenna loops, radio receiving sets, fixed and variable condensers, etc. 214,572; June 29; Serial No. 204,416; published Mar. 23, 1926.

New Castle Grocery Co., New Castle, Pa. Canned fruits, vegetables, bottled cherries and olives, etc. 214,524; June 29; Serial No. 208,157; published Apr. 13, 1926.
New England Newspaper Publishing Company, Boston, Mass. Daily newspaper. 57,357; renewed Nov. 13, 1926.
New-York Machinery Company. (See Loewy, Morris.)
Nomad Kit Bag Co., Inc., New York, N. Y. Collapsible cardboard paper bags. 214,660; June 29; Serial No. 227,531; published Apr. 13, 1926.
Novox Laboratories, Inc., New York, N. Y. Sanitary napkins. 214,690; June 29; Serial No. 226,734; published Apr. 13, 1926.
Old Ben Coal Corporation, Chicago, Ill. Coal. 214,717; June 29.
Oneida Community Limited, Oneida, N. Y. Chests, dining-room tables, display tables, buffets, etc. 214,665; June 29; Serial No. 221,917; published Apr. 6, 1926.
Opler, E. & A., Inc., Chicago, Ill. Cocoa and chocolate. 214,649; June 29; Serial No. 226,783; published Apr. 13, 1926.
Oppenheimer, A., & Co., London, England. Tobacco pipes. 214,666; June 29; Serial No. 222,185; published Dec. 8, 1925.
Ormsby, Hamilton, Louisville, Ky. Chewing tobacco. 214,534; June 29; Serial No. 226,017; published Apr. 13, 1926.
Paf Manufacturing Company, Inc., St. Louis, Mo. Spark plugs. 214,613; June 29; Serial No. 225,618; published Mar. 30, 1926.
Par Vell Laboratories, The, Columbus, Ohio. Drawing, writing, and marking inks. 214,662; June 29; Serial No. 227,596; published Apr. 6, 1926.
Pass & Seymour, Incorporated, Solvay, N. Y. Electric sockets, fixture parts, ceiling buttons, push buttons, etc. 214,680; June 29; Serial No. 224,107; published Mar. 30, 1926.
Patent Novelty Company, Fulton Ill. Combined clothes-lines and reels. 214,664; June 29; Serial No. 221,635; published Mar. 30, 1926.
Pequot Manufacturing Corporation, Long Island City, N. Y. Receptacles, shipping and packing cases, and containers made of corrugated pasteboard. 214,548; June 29; Serial No. 209,689; published Apr. 13, 1926.
Perfection Biscuit Company, Fort Wayne, Ind. Sugar-wafer bar cake. 214,615; June 29; Serial No. 225,730; published Apr. 13, 1926.
Peters, Henry W., doing business as H. W. Peters Co., Boston, Mass. Finger rings and breastpins. 214,573; June 29; Serial No. 206,858; published Mar. 30, 1926.
Philadelphia Storage Battery Co., Philadelphia, Pa. Electrolytic rectifiers and condensers. 214,686; June 29; Serial No. 225,276; published Mar. 30, 1926.
Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. 214,636; June 29; Serial No. 218,331; published Apr. 13, 1926.
Pinkham Holdings Co., Los Angeles, Calif. Grapes. 214,638; June 29; Serial No. 218,328; published Apr. 13, 1926.
Pinkus, Eugene, New York, N. Y. Hypodermic syringes. 214,587; June 29; Serial No. 228,066; published Apr. 13, 1926.
Piru Citrus Association, Piru, Calif. Fresh citrous fruits. 214,646; June 29; Serial No. 224,043; published Apr. 13, 1926.
Polymet Manufacturing Corporation, New York, N. Y. Plugs for radio apparatus. 214,549; June 29; Serial No. 215,021; published Mar. 23, 1926.
Posner, David H., Inc., Boston, Mass. Underwear, shirts and shirt waists, hosiery, and dresses. 214,641; June 29; Serial No. 223,055; published Apr. 13, 1926.
Potter-Wrightington, Inc., Boston, Mass. Fish food. 214,639; June 29; Serial No. 212,033; published Apr. 13, 1926.
Prenosil, Joseph F., Georgetown, Minn. Beet blockers. 214,565; June 29; Serial No. 226,557; published Apr. 13, 1926.
Prescott, Jesse, doing business as J. B. Prescott & Son, Webster, Mass. Wall ties. 53,185; renewed May 29, 1926.
Progressive Musical Instrument Corporation, New York, N. Y. Ukuleles and banjo ukuleles. 214,679; June 29; Serial No. 223,330; published Mar. 30, 1926.
Profexcar Mfg. Co., New York, N. Y. Automobile seat covers. 214,599; June 29; Serial No. 226,210; published Apr. 20, 1926.
Pulkinghorn, William R., Los Angeles, Calif. Chemical water-treating devices. 214,555; June 29; Serial No. 224,359; published Mar. 23, 1926.
R-B Radio Company, New York, N. Y. Radio parts. 214,711; June 29.
Radio Receptor Company, Inc., New York, N. Y. Radio receiving equipment and parts thereof. 214,729; June 29.
Radio Specialty Company, New York, N. Y. Connecters for radiowiring. 214,712; June 29.
Rauschenberg, Carl H., assignor to Muntz-Wright Company, Greenville, Pa. Radio receiving sets and parts thereof. 214,609; June 29; Serial No. 225,446; published Mar. 30, 1926.
Raymond, Ray R., New York, N. Y. Radio receiving sets and/or parts thereof, etc. 214,704; June 29.
Reid, Murdoch & Co., Chicago, Ill. Candy. 214,678; June 29; Serial No. 223,139; published Apr. 13, 1926.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, angle two-way plugs, straight three-way convenience outlets, etc. 214,628; June 29; Serial No. 222,479; published Mar. 30, 1926.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, angle two-way plugs, convenience taps, etc. 214,630; June 29; Serial No. 222,480; published Mar. 30, 1926.
Reynolds Spring Company, Jackson, Mich. Straight two-way plugs, angle two-way plugs, straight three-way convenience outlets, etc. 214,675; June 29; Serial No. 222,482; published Mar. 30, 1926.
Ritchie, Henry A., & Co., New York, N. Y. Woolen cloth in the piece. 214,728; June 29.
Ritner, Stewart, Reading, Pa. Candy. 214,674; June 29; Serial No. 210,083; published Apr. 13, 1926.
Rockwell, Stanley P., Company, The, Hartford, Conn. Dilatometers. 214,566; June 29; Serial No. 227,040; published Apr. 13, 1926.
Rodriguez, Virgilio, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 214,537; June 29; Serial No. 226,377; published Apr. 13, 1926.
Ryan-Hampton Tobacco Co., Louisville, Ky. Chewing tobacco. 214,535; June 29; Serial No. 226,024; published Apr. 13, 1926.
Safe Padlock and Hardware Company, The. (See Hershey, Lloyd B.)
Schenkein, Samuel M., Newark, N. J. Metal rule suitable for use as a paper weight, gauge, etc. 214,658; June 29; Serial No. 227,370; published Apr. 13, 1926.
Schloss, Adolphe, Fils & Cie., Paris, France. Glasses, bowls, pitchers, etc. 214,671; June 29; Serial No. 208,430; published Feb. 16, 1926.
Schoeneman, J., Incorporated, Baltimore, Md. Topcoats. 214,723; June 29.
Sealy-Dresser Co., Portland, Oreg. Fresh apples and walnuts. 214,621; June 29; Serial No. 226,169; published Apr. 13, 1926.
Sears, Roebuck and Co., Chicago, Ill. Cornets, trumpets, slide trombones, etc. 214,640; June 29; Serial No. 210,860; published Apr. 6, 1926.
Shaw-Walker Company, The, Muskegon, Mich. Safes. 214,538; June 29; Serial No. 227,691; published Apr. 13, 1926.
Shulman & Sons, New York, N. Y. Portable savings banks. 214,581; June 29; Serial No. 227,538; published Apr. 20, 1926.
Sierra Food Company, Los Angeles, Calif. Saratoga chips and salad dressing. 214,525; June 29; Serial No. 209,501; published Apr. 13, 1926.
Sodoasis Manufacturing Co., Los Angeles, Calif. Automatic soda fountains. 214,561; June 29; Serial No. 226,083; published Apr. 13, 1926.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 214,595; June 29; Serial No. 224,116; published Apr. 13, 1926.
Solo-Horton Brush Company, Incorporated, New York, N. Y. Painters' brushes. 214,596; June 29; Serial No. 224,786; published Apr. 13, 1926.
Sonneborn, Henry, Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 214,585; June 29; Serial No. 227,794; published Apr. 13, 1926.
Sowers Manufacturing Company, Buffalo, N. Y. Mixers, vacuum pans, digesters, etc. 214,543; June 29; Serial No. 191,418; published Apr. 13, 1926.
Spach, J. C., Wagon Works, Winston-Salem, N. C. Chairs and tables for household purposes. 214,607; June 29; Serial No. 222,713; published Apr. 13, 1926.
Steindler, Leslie L., New York, N. Y. Automobile heaters. 214,601; June 29; Serial No. 226,384; published Apr. 20, 1926.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Detector and amplifier tubes for radio receiving apparatus. 214,533; June 29; Serial No. 225,207; published Mar. 30, 1926.
Stoltz, Georg C., New York, N. Y. Radio receiving sets and parts thereof. 214,545; June 29; Serial No. 204,528; published Mar. 23, 1926.
Straitline Radio Corporation, New York, N. Y. Assembled radio receiving apparatus or sets and parts thereof. 214,553; June 29; Serial No. 222,716; published Mar. 30, 1926.
Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Assembled radio receiving sets. 214,647; June 29; Serial No. 224,210; published Mar. 30, 1926.
Sturtevant, B. F., Company, Hyde Park, Boston, Mass. Fans, blowers, gas engines, etc. 214,542; June 29; Serial No. 173,055; published Apr. 13, 1926.
Sullivan Brush Co., Sullivan, Ind. Brushes. 214,593; June 29; Serial No. 222,802; published Apr. 13, 1926.
Surbrug's Nut Products, Ltd., New York, N. Y. Nuts. 214,631; June 29; Serial No. 209,439; published Apr. 13, 1926.
Sweet, Arthur E., New York, N. Y. Electric cookers and bakers. 214,608; June 29; Serial No. 222,804; published Jan. 5, 1926.
Tell City Furniture Company, Tell City, Ind. Household furniture. 214,643; June 29; Serial No. 223,347; published Apr. 13, 1926.
Tennison, J. M., doing business as Tennison Bros., Texarkana, Ark. Galvanized laundry tubs. 214,683; June 29; Serial No. 224,843; published Mar. 30, 1926.
Trabuld Knit Fabric Co., New York, N. Y. Mufflers. 214,710; June 29.

Tri-Ergon A.-G., Zurich, Switzerland. Cinematograph recording and exhibiting apparatus, films bearing moving-picture records, etc. 214,574; June 29; Serial No. 207,418; published Apr. 13, 1926.
Tufoak Products Co., Oakland, Calif. Rubberized gloves, aprons, leggings, and men's rubberized coats. 214,669; June 29; Serial No. 212,409; published Mar. 16, 1926.
United Drug Company, Boston, Mass. Sanitary napkins. 214,651; June 29; Serial No. 226,836; published Apr. 13, 1926.
United Electric Company, The, Canton, Ohio. Electrically-operated vacuum cleaners. 214,570; June 29; Serial No. 201,910; published Mar. 30, 1926.
United Radio & Electric Corporation, Newark, N. J. Radio vacuum tubes. 214,691; June 21; Serial No. 226,746; published Mar. 30, 1926.
United Radio & Electric Corporation, Newark, N. J. Radio vacuum tubes. 214,692; June 29; Serial No. 226,748; published Mar. 30, 1926.
Valentine's Meat-Juice Company, Richmond, Va. Extracts of meat and compounds thereof. 214,693–4; June 29; Serial Nos. 226,749–50; published Apr. 13, 1926.
Vredenburg, Julius C., London, England. Shock absorbers, vibration dampers, and cushioning devices. 214,602; June 29; Serial No. 216,703; published Apr. 20, 1926.
Waldrep, J. A., Tulsa, Okla. Candy and chocolates. 214,584; June 29; Serial No. 227,617; published Apr. 13, 1926.
Weidlich Bros. M'f'g. Co., The, Bridgeport, Conn. Silverware. 214,687; June 29; Serial No. 225,293; published Mar. 30, 1926.
Weston Electrical Instrument Corporation, Newark, N. J. Voltmeters. 214,655; June 29; Serial No. 227,097; published Apr. 13, 1926.
Whiting Leather & Belting Co., Inc., Long Island City, N. Y. Leather belting and rawhide cut lace for leather belting. 214,605; June 29; Serial No. 211,244; published Nov. 24, 1925.
Whitman-Cooney Textile Corporation, New York, N. Y. Woven fabrics in the piece. 214,529; June 29; Serial No. 219,361; published Nov. 3, 1925.
Wicks Pipe Organ Co., Highland, Ill. Pipe organs. 214,726; June 29.
Woodbridge Ornamental Iron Company, Chicago, Ill. Stairways. 214,698; June 29.
Wurlitzer, Rudolph, Company, The, Cincinnati, Ohio. Pianos, player pianos, alto clarinets, etc. 214,557; June 29; Serial No. 224,533; published Mar. 23, 1926.
Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Steel plates. 214,586; June 29; Serial No. 227,868; published Apr. 13, 1926.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Syrup and Sorghum Co., St. Louis, Mo. Country Lad. For Blend of Corn Sirup, Molasses, and Pure Country Sorghum. 30,539; June 29.
Arguto Oilless Bearing Company. (See Mellor, Norman.)
Aromint Mfg. Company, The, Cincinnati, Ohio. Radio. For Candy. 30,540; June 29.
Aromint Mfg. Company, The, Cincinnati, Ohio. Dinty Moore. For Candy. 30,541; June 29.
Associated Dental Products, Inc., New York, N. Y. Pearl-Mint Tooth Paste. For Tooth Paste. 30,542; June 29.
Associated Dental Products, Inc., New York, N. Y. One Of the 401 Products of A. D. P. For Tooth Paste. 30,543; June 29.
Bergstein, Leonard, doing business as Len-May Laboratory, Detroit, Mich. Vermin-Nite. For Insect Spray. 30,544; June 29.
Berringer, John P., Dickinson, N. Dak. J. P. Berringer Home Brand. For Bacon. 30,545; June 29.
Berringer, John P., Dickinson, N. Dak. J. P. Berringer Home Brand. For Skinned Hams. 30,546; June 29.
Berringer, John P., Dickinson, N. Dak. J. P. Berringer Home Brand. For Picnic Hams. 30,547; June 29.
Bobs' Candy Co., Albany, Ga. Bobs' Pe-Kon Candy. For Candy. 30,548; June 29.
Booth Fisheries Company, Chicago, Ill. Fisher Boy. For Canned Salmon. 30,549; June 29.
Central Candy Co., Waco, Tex. Uncle Ned Nuf Said. For Candy Bars. 30,550; June 29.
Clairemont Sterilized Egg Co., Chicago, Ill. Clairemont Extras. For Eggs. 30,551; June 29.
Dillon Cigar Company, Miami, Fla. Dillon. For Cigars. 30,552; June 29.
Eagle-Picher Lead Company, The, Chicago, Ill. Eagle Red Lead. For Red Lead. 30,553; June 29.
Eagle-Picher Lead Company, The, Chicago, Ill. Eagle Litharge. For Litharge. 30,554; June 29.
Forstmann, Julius, & Co. Inc., Passaic, N. J. The Symbol of Supreme Quality In Woolen Fabrics. For Woolen Fabrics. 30,555; June 29.
Heller Brothers Importing Co., Inc., doing business as Vita Fish Preserving Works, New York, N. Y. Marine Sprats. For Canned Sprats. 30,556; June 29.
Hight-Test Malt Extract Co., Chicago, Ill. No-Ble. For Malt Extract. 30,557; June 29.
Hudson, Jerry M., Sanborn, N. Y. Watch Them Grow. For a Tonic Preparation for Poultry and Pigs. 30,558; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Sausages. 30,559; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Sliced Bacon. 30,560; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Cooked Skinned Ham. 30,561; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Cooked Ham. 30,562; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Bacon. 30,563; June 29.
Indianapolis Abattoir Corporation, Indianapolis, Ind. Sally Lee. For Ham. 30,564; June 29.
Jackson Brewing Company, New Orleans, La. Jolly Boy. For a Soft Drink. 30,565; June 29.
Kaub, Verne P., Fond du Lac, Wis. The Original Frumint Chewing Gum. For Chewing Gum. 30,566; June 29.
Larsen Company, The, Green Bay, Wis. Puss-In-Boots. For Peas. 30,567; June 29.
Len-May Laboratory. (See Bergstein, Leonard.)
Mellor, Norman, doing business as Arguto Oilless Bearing Company, Philadelphia, Pa. Arguto. For Machine Bearings. 30,568; June 29.
Menley & James Limited New York, New York, N. Y. Iodex (Iodine) Skin Soap—Physician's Sample. For a Medicated Soap. 30,569; June 29.
Menley & James Limited New York, New York, N. Y. Iodex Skin Soap. For Medicated Soaps. 30,570; June 29.
Midway Chemical Company, Chicago, Ill. Ridz. For Insect Spray. 30,571; June 29.
Miller Brothers, Brooklyn, N. Y. Em Bee Scalp Rub. For Hair Tonic. 30,572; June 29.
Mills Novelty Co., Chicago, Ill. 500 Mills' Mint Balls. For Confectionery. 30,573; June 29.
Peterson, Mrs. L. M., & Co. Inc., Brooklyn, N. Y. Peterson's Eatsum Swedish Style Health Wafers. For Biscuits, Crackers, Wafers, and Cakes. 30,574; June 29.
Peterson, Mrs. L. M., & Co. Inc., Brooklyn, N. Y. Peterson's Eatsum Swedish Style Milk Wafer. For Biscuits, Crackers, Wafers, and Cakes. 30,575; June 29.
Peterson, Mrs. L. M., & Co. Inc., Brooklyn, N. Y. Peterson's Eatsum Milk Wafers. For Biscuits, Crackers, Wafers, and Cakes. 30,576; June 29.
Phillips Brothers, Baltimore, Md. Champion. For Pale Ginger Ale. 30,577–8; June 29.
Ry-Krisp Company, The, Minneapolis, Minn. Ry-Krisp. For Health Bread. 30,579; June 29.
Schutter-Johnson Candy Company, Chicago, Ill. Bit-O-Honey. For Candy. 30,580; June 29.
Staley, A. E., Manufacturing Company, Decatur, Ill. Staley's Salad and Cooking Oil. For Edible Oils. 30,581; June 29.
Summers, Chas. G., Jr. Inc., Baltimore, Md. Tomatoes. For Canned Tomatoes. 30,582; June 29.
United States Metallic Packing Company, The, Philadelphia, Pa. King Balanced Ring. For Metallic Packing Rings. 30,583–4; June 29.
Vita Fish Preserving Works. (See Heller Brothers Importing Co., Inc.)
Wagner, Aug., Commission Co., St. Louis, Mo. Tavern. For Malt Sirup. 30,585; June 29.
White and Wyckoff Mfg. Co., Riverside Station, Holyoke, Mass. Santa Claus Stationery. For Stationery and Envelopes. 30,586; June 29.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. What's back of that B. V. D. Label? For Athletic Underwear. 8,915; June 29.
B. V. D. Company, Inc., The, New York, N. Y. Don't forget. For Athletic Underwear. 8,916; June 29.
B. V. D. Company, Inc., The, New York, N. Y. His Fish Story. For Athletic Underwear. 8,917; June 29.
B. V. D. Company, Inc., The, New York, N. Y. Does your Underwear Meet this Test? For Athletic Underwear. 8,918; June 29.
Berry Bros. Inc., Detroit, Mich. It Won't Rub Off—. For Berryloid Lacquer Finish. 8,919; June 29.
Cream of Wheat Co., Minneapolis, Minn. This Box is Triple-Wrapped and Triple-Sealed—No Other Cereal is so Safeguarded from Outer Contaminations. For Wheat Breakfast Food. 8,920; June 29.
Cream of Wheat Co., Minneapolis, Minn. A Tempting New Dish for Your Summer Menus. For Wheat Breakfast Food. 8,921; June 29.
Edison Lamp Works of General Electric Co., Harrison, N. J. For Your Car the Same Good Lamps You Use at Home. For Edison Mazda Lamps. 8,922; June 29.
Eskimo Pie Corporation, Louisville, Ky. World's Champion Cooler! For Frozen Confections. 8,923; June 29.
Eskimo Pie Corporation, Louisville, Ky. Take the Sizzle out of the Sun. For Frozen Confections. 8,924; June 29.
House of Tre-Jur, Inc., New York, N. Y. Unknown Beauty. For Toilet Goods. 8,925; June 29.
Jell-O Company, New York, N. Y. Jell-O Ice Cream Powder. For Jell-O Ice Cream Powder. 8,926; June 29.
Nyal Company, Detroit, Mich. Clean Teeth—Better Health. For Ny-Denta Tooth Paste. 8,927; June 29.
Nyal Company, Detroit, Mich. Clean Teeth—Never Decay. For Ny-Denta Tooth Paste. 8,928; June 29.
Nyal Company, Detroit, Mich. For White Teeth and a Clean Sweet Mouth. For Ny-Denta Tooth Paste. 8,929; June 29.
Old Homestead Bread Company, The, Denver, Colo. Bunny Buns. For Buns. 8,930; June 29.
Overton, S. E., Company, South Haven, Mich. Every Good Piano Deserves an Overton Bench. For Piano Benches. 8,931; June 29.
Pilcher, J. V., Mfg. Co., Louisville, Ky. La-Chic. For Toilet Powder and Rouges. 8,932; June 29.
Pilcher, J. V., Mfg. Co., Louisville, Ky. L'Elite. For Toilet Powder and Rouges. 8,933; June 29.
Polk Miller Products Corporation, Richmond, Va. No Tar Odor. For Mange Medicine. 8,934; June 29.
Reid, Murdoch & Co., Chicago, Ill. How Much of Your Coffee Dollar Buys Quality? For Coffee. 8,935; June 29.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aktiebolaget Svensk Rakklinga, Sandiken, Sweden. Safety razors and safety-razor blades. 224,128; June 29.
Alt Woolen Company, Inc., New York, N. Y. Woolen and worsted piece goods. 215,728; June 29.
Amera Chemical Company, Minneapolis, Minn. Skin lotion, hair dress, and shampoo. 231,179; June 29.
American Aviator Company, Inc., New York, N. Y. Iodine derivatives. 230,980; June 29.
American Glue Company, Boston, Mass. Abrasive paper and abrasive cloths. 219,652; June 29.
American Malt Co. (See Vogel, Geo. L.)
American Mills Company, Atlanta, Ga. Laundry nets. 231,359; June 29.
American Paper Manufacturing Co., Inc., New Orleans, La. Toilet paper. 231,134; June 29.
American Stove Company, St. Louis, Mo. Gas, oil, coal, and wood stoves. 227,708; June 29.
Annin & Co., New York, N. Y. Artificial silk in the piece. 230,609; June 29.
Armour and Company, Chicago, Ill. Soap. 229,318; June 29.
Arrow Electric Company, The, Hartford, Conn. Rotary snap switches. 214,906; June 29.
Arterofters Inc., The, Portland, Me. Precipitated pigments of various colors. 229,488; June 29.
Atlas Brewing Company, Chicago, Ill. Ginger ale and root beer. 228,884; June 29.
Avalon Paint Corporation, Los Angeles, Calif. Ready-mixed paints, dry colors, colors in oil, etc. 229,427; June 29.
B. B. B. Pipe Co. Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 229,843; June 29.
Bank & Silber, Baltimore, Md. Suits and overcoats. 228,022; June 29.
Barber, W. H., Company, Minneapolis, Minn. Lubricating oils and lubricating greases. 231,305; June 29.
Barcelona Products Co. Inc., New York, N. Y. Soap. 231,028; June 29.
Bartow Beverages, Inc., Nashville, Tenn. Ginger ale. 216,135; June 29.
Bastian-Morley Co., La Porte, Ind. Asbestos felt jackets for water heaters and boilers. 230,710; June 29.
Bauer, Dave S., Chemical Company, The, Mobile, Ala. Chewing gum. 230,652; June 29.
Baumgart and Morgan, Brenham, Tex. Barbecue sauce. 231,514; June 29.
Beautiful America Publishing Corporation, New York, N. Y. Periodicals published monthly. 213,762; June 29.
Bennington Wax Paper Company, Bennington, Vt. Wax paper, wax lunch rolls, etc. 230,006–9; June 29.
Berger, Harry, doing business as H. Berger & Co., New York, N. Y. Fur coats. 231,089–91; June 29.
Berkshire Coal & Grain Co., Inc., The, North Adams, Mass. Pastry flour, Graham meal, and rye meal. 225,639; June 29.
Billiner, Karl F., London, England. Cement. 230,221; June 29.
Bing Werke vorm. Gebrüder Bing A. G., Nuremberg, Germany. Phonographs and talking machines. 230,712; June 29.
Bissinger, H. Gerard, doing business as the Bysol Manufacturing Company, Philadelphia, Pa. Washing compounds for scouring textiles and for laundry use. 230,657; June 29.
Boxer, Reg. N., Co. Limited, The, New Toronto, Ontario, Canada. Wall papers. 227,416; June 29.
Boyle, C. A., & Company. (See Perry, Emory C.)
Bristol-Myers Company, New York, N. Y. Shaving cream. 226,330; June 29.
Brown Cracker & Candy Co., Dallas, Tex. Candy bars. 231,899; June 29.
Bruckner's, Albert, Sons, Jersey City, N. J. Fabric dolls. 226,534–5; June 29.
Buhrke, R. H., Company, Chicago, Ill. Golf balls. 228,738; June 29.
Buhrke, R. H., Company, Chicago, Ill. Golf clubs, golf balls, and golf bags. 228,739; June 29.
Buhrke, R. H., Company, Chicago, Ill. Golf clubs. 228,740; June 29.
Buhrke, R. H., Company, Chicago, Ill. Golf bags, golf clubs, and golf balls. 228,741; June 29.
Burnomore Utensil Corporation, New York, N. Y. Scouring and cleansing materials and compounds. 231,582; June 29.
Butzke, Erich, New York, N. Y. Woolen piece goods. 231,240; June 29.
Bysol Manufacturing Company. (See Bissinger, H. Gerard.)
Capon Springs Company, Capon Springs, W. Va. Beverages, water, and mineral water. 228,802; June 29.
Carew Manufacturing Company, South Hadley Falls, Mass. Writing and printing paper. 211,254; June 29.
Central Pocahontas Coal Company, Welch, W. Va. Coal. 229,778; June 29.
Central Pocahontas Coal Company, Welch, W. Va. Coal. 229,902; June 29.
Champion Chemical Works, Inc., Chicago, Ill. Lye. 214,055; June 29.
Clarinda Manufacturing Company, Clarinda, Iowa. Clothes-washing machine. 227,220; June 29.
Clement, John S., Company, Incorporated, Philadelphia, Pa. Raw or partly-prepared materials. 214,780; June 29.
Commonwealth Publishing Company, Chicago, Ill. Blank books. 218,737; June 29.
Conolly, Henry, Company, Rochester, N. Y. Loose-leaf binder and leaves thereto. 230,738; June 29.
Cooke & Cobb Company, The, Brooklyn, N. Y. Paper and stationery. 210,164; June 29.
Cortez Cigar Company, Savannah, Ga. Cigars. 230,385; June 29.
Covenant Products Company, The. (See Cowher, Grace C.)
Cowher, Grace C., doing business as The Covenant Products Company, Tyrone, Pa. Medicinal oil for external use. 231,588; June 29.
Cream City Products Co., Milwaukee, Wis. Ginger ale. 216,755; June 29.
Cromer & Kassel, Miami, Fla. Golf sticks, tennis rackets, nets, balls, and golf balls. 229,435; June 29.
Crystal Chemical Company, Inc., The, Bronx, N. Y. Soaps and soap shaving creams. 227,938; June 29.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

D & E. Metals Co., Grandview Park and York, Pa. Bushings. 230,020; June 29.
Dazzlem Products Co., The, Chicago, Ill. Glass, nickel, and brass polish. 227,167; June 29.
Dermay Perfumers, Inc., New York, N. Y. Face powders, creams, packs, toilet waters, etc. 226,279–80; June 29.
Detroit Vapor Stove Co., The, Detroit, Mich. Gas burners. 227,939; June 29.
Dictaphone Corporation, Bridgeport, Conn. Radio receiving sets and parts thereof. 225,081; June 29.
Dimitrino & Co., Cairo, Egypt. Cigarettes. 228,092–3; June 29.
Donaldson Manufacturing Co. Ltd., Glasgow, Scotland. Golf clubs. 223,773; June 29.
Donaldson Manufacturing Co. Ltd., Glasgow, Scotland. Golf clubs, golf balls, golf tees; and golf bags. 226,848; June 29.
Dorward, J. & J. C., Limited, Galaschiels, Scotland. Woolen goods in the piece. 220,597; June 29.
Dory, P. G., doing business as Watertown Carbonating Co., Watertown, S. Dak. Beverages. 229,619; June 29.
Downard Mining and Sales Company, Incorporated, Louisville, Ky. Coal. 230,231; June 29.
Dr. Heinr. Traun & Söhne, vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Combs. 230,062; June 29.
Dr. Heinr. Traun & Söhne, vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Combs. 230,134; June 29.
Drinkwater, Mary, Bridesburg, Philadelphia, Pa. Hair tonic. 231,190; June 29.
Drury, Abner, Company, Washington, D. C. Beverages. 227,869; June 29.
Duplex Envelope Co. Inc., Richmond, Va. Church contribution envelopes. 229,091; June 29.
Ebeling, Emil, Terry, Mont. Razor hones. 231,662; June 29.
Ely & Walker Dry Goods Company, St. Louis, Mo. Sheets, pillowcases, bedspreads, and woven and knitted fabrics, etc. 230,619; June 29.
Experimenter Publishing Co., New York, N. Y. Monthly magazine issued quarterly. 228,305; June 29.
Fabyan & Co., Inc., New York, N. Y. Rubbing alcohol. 231,535; June 29.
Farwell, John V., Company, Chicago, Ill. Gloves and hosiery. 159,861; June 29.
Fisher & Sang, Buffalo, N. Y. Hosiery. 231,913; June 29.
Fitts-Smith Dry Goods Company, Kansas City, Mo. Cotton piece goods. 231,914; June 29.
Fluegelman, N., & Co., Inc., New York, N. Y. Artificial-silk fabrics in the piece. 231,995; June 29.
Fondeville, Eugene L., doing business as A. J. Fondeville & Co., New York, N. Y. Porcelain ware. 231,536; June 29.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, crepe paper, etc. 210,609; June 29.
Fox, George A., Kansas City, Mo. Concentrates and sirups for mixing soft drinks. 226,424; June 29.
Franklin, D. R., Co. Inc., Brooklyn, N. Y. Shoe polish. 231,316; June 29.
Freed-Eisemann Radio Corporation, Brooklyn, N. Y. Radio loud speakers. 230,448; June 29.
Fruehauf Trailer Co., Detroit, Mich. Trailers. 230,621; June 29.
Gallagher, Samuel J., Brawley, Calif. Fresh vegetables, fruits, and melons. 217,928; June 29.
Gates Chemical Company, The, Denver, Colo. Cleaning and scouring preparations. 211,589; June 29.
Gearhart-Schlueter Radio Corporation, Fresno, Calif. Radiotransformers and radio receiving sets. 222,450; June 29.
General Bottling & Distributing Co. Inc., Los Angeles and Santa Ana, Calif. Beverages, extracts, and sirups for making the same. 222,233; June 29.
Gerhard Lang Brewery, Buffalo, N. Y. Beverages. 229,228; June 29.
Gillinder Bros., Inc., Port Jervis, N. Y. Glassware, bowls, shades, globes, etc. 231,148; June 29.
Golden Kettle Syrup Co. (See Seffel, Josephine E.)
Golden Nugget Sweets, San Francisco, Calif. Candy. 225,707; June 29.
Golden Rule, Inc., The, Columbus, Ohio. Nutcrackers, potato mashers, and lard and butter spades. 229,328; June 29.
Golden West Shippers Inc., Oxnard, Calif. Fresh vegetables and melons. 229,440; June 29.
Goodal Worsted Co., Sanford, Me. Mohair piece goods and piece goods of combinations of cotton, wool, etc. 229,177; June 29.
Graceline Knitting Co., Inc., Spring City, Pa. Underwear. 231,917; June 29.
Grammes, L. F., & Sons, Inc., Allentown, Pa. Wire and bone hairpins. 228,749; June 29.
Graves, John L., doing business as John L. Graves Company, Mason City, Iowa. Bow ties and four-in-hands, garters, etc. 228,751; June 29.
Green Brothers Fruit and Product Company, The, doing business as Those Green Brothers, Denver, Colo. Eggs, poultry, fruit, etc. 223,091; June 29.
Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs. 224,136; June 29.
Griffith Laboratories, Inc., The, Chicago, Ill. Salt. 230,736; June 29.
Griggs, Cooper & Company, St. Paul, Minn. Toothpicks. 231,859; June 29.
Grossman, Joseph, doing business as Kasdum Company, Steubenville, Ohio. Evaporated milk, coffee, jellies, jams, etc. 230,981; June 29.
Gunther Confection and Chocolate Company, Chicago, Ill. Candy. 232,000; June 29.
Haines Leather Goods Company, Philadelphia, Pa. Pocketbooks and hand bags. 230,626; June 29.
Hale Bros., Inc., San Francisco, Calif. Toy animals, dolls, puzzles, mechanical toys, etc. 227,305; June 29.
Hammer & Co., San Francisco, Calif. Canned sardines, salmon, salad oil, olive oil, fruits, etc. 224,243; June 29.
Hanlon & Goodman Co., New York, N. Y., and Belleville, N. J. Brushes. 229,385; June 29.
Hardwick & Magee Company, Philadelphia, Pa. Textile carpets. 214,075–6; June 29.
Harris, Anna E., doing business as A. E. Harris, San Francisco, Calif. Beverages. 230,544; June 29.
Hartung Brothers, New York, N. Y. Soap powder. 231,603; June 29.
Healy, Charles F., New York, N. Y. Toothbrushes. 230,395; June 29.
Heller, B., & Company, Chicago, Ill. Preparation for use in making frozen desserts. 230,241; June 29.
Heller, L., & Son, Inc., New York, N. Y. Artificial gems. 228,295; June 29.
Heller, L., & Son, Inc., New York, N. Y. Artificial gems. 228,985; June 29.
Hemry-Cooper Manufacturing Co., Kansas City, Mo. Babbitting jigs and boring machines. 229,334; June 29.
Henry, William, doing business as Henry Mfg. Co., Rockford, Ill. Foldable luggage carrier for vehicles. 213,134; June 29.
Hipp, Didisheim Co., Inc., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 228,426; June 29.
Huiman & Co., Terre Haute, Ind. Canned goods, spices, sirups, jams, miscellaneous groceries. 221,422; June 29.
Huth, Walter H., doing business as Walbert Manufacturing Co., Chicago, Ill. Radio receiving apparatus, etc. 230,630; June 29.
Illinois Clay Products Co., Joliet, Ill. Refractory mixtures such as cement and furnace lining. 230,740; June 29.
Irvine, Geo. H., doing business as Sno-Flake Products Company, Detroit, Mich. Polishes for cellulose lacquer surfaces. 222,680; June 29.
Jeanette Toy and Novelty Co., The. (See Stough, Turney H.)
Jergens, Andrew, Company, The, Hamilton, Ohio. Soap. 231,150; June 29.
Jollies. (See Warshaw, Samuel C.)
Jones, Harry L., Incorporated, Syracuse, N. Y. Women's and girls' shoes. 230,741; June 29.
Kanner, Samuel, Long Island City, N. Y. Mechanical lead pencils and fountain pens. 226,429; June 29.
Keystone Mfg. Co., Boston, Mass. Vehicular toys. 229,571; June 29.
Kraus Kastone Products Corporation, New York, N. Y. Artificial stone, construction columns, blocks, etc. 228,382; June 29.
Lanier, J. E., Cuthbert, Ga. Table sirup. 231,330; June 29.
Latting, Mary B., Chicago, Ill. Hair grower or tonic. 229,294; June 29.
Lawrence, Ora, Fort Wayne, Ind. Preparation in powdered form used in the treatment of tired, aching, and burning feet. 219,036; June 29.
Lefax, Philadelphia, Pa. Loose-leaf binders, blank books and parts thereof, filing boxes, etc. 201,602; June 29.
Le Maire Perfumeur, Inc., Chicago, Ill. Face powders, face creams, toilet waters, rouges, perfumes etc. 222,851; June 29.
Lemur, S., Company, The, Cleveland, Ohio. Hair-treating substances. 228,475; June 29.
Levinsohn Bros. & Co., Inc., New York, N. Y. Men's and boys' coats, trousers, vests, and overcoats. 232,088; June 29.
Lish Bros., New York, N. Y. Ladies' hats. 231,053; June 29.
Lisle, John C., Kansas City, Mo. Paints, varnishes, stains, and paint enamels. 225,096; June 29.
Loomis Fruit Growers Association, Loomis, Calif. Fresh deciduous fruits. 232,019; June 29.
Mass, R. H., & Co., Inc., New York, N. Y. Coats, suits, dresses, and lingerie for women. 231,385; June 29.
Master Lock Company, Milwaukee, Wis. Padlocks, hasp locks, door guards, and door bolts. 214,089; June 29.
Melvin Candy Company, Inc., Chicago, Ill. Candy lollipops and suckers. 230,250; June 29.

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Milk-O-Fen Laboratories, The, Union City, N. J. Liquid preparation for mouth wash, etc. 231,556; June 29.
Millers Soap Company, Reading, Pa. Soaps. 231,685; June 29.
Monarch Mills, Union and Lockhart, S. C. Cotton piece goods. 214,263; June 29.
Morton Manufacturing Company, Chicago, Ill. Inset bathroom cabinets. 228,054; June 29.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Folding ironing table. 216,923; June 29.
New York-New England Company, The, Holyoke, Mass. Writing and printing papers, etc. 229,812; June 29.
Oakley Chemical Co., New York, N. Y. General cleansing and washing compound. 226,155; June 29.
Olympic Club Company, Walla Walla, Wash. Ginger ale. 227,083; June 29.
O'Neil Oil and Paint Company, Milwaukee, Wis. Gasoline, naphtha, lubricating oils and greases. 226,503; June 29.
Pacific States Equipment Company, Los Angeles, Calif. Mattresses. 229,193; June 29.
Palace Credit Clothing Co., The, Pittsburgh, Pa. Men's and young men's suits, overcoats, and topcoats. 222,868; June 29.
Palace Credit Clothing Co., The, Pittsburgh, Pa. Boys' suits, overcoats, and topcoats. 222,869; June 29.
Palumbo, Magdalen, New York, N. Y. Electrolytic cleaning plate. 226,822; June 29.
Panhandle Refining Company, Wichita Falls, Tex. Petroleum products. 230,411; June 29.
Paratex Corporation, The, Paterson, N. J. Floor coverings composed of textile fabric and rubber. 230,895; June 29.
Park & Tilford, New York, N. Y. Candies and chocolates. 231,119; June 29.
Parlette, Snowdon, Oklahoma City, Okla. Notebook fillers, note paper, writing tablets, pens, and pencils. 222,700; June 29.
Peoria Malt Food Products Company, Peoria, Ill. Malt sirup and malt extracts for food purposes. 226,737; June 29.
Perry, Emory C., doing business as C. A. Boyle & Company, Chicago, Ill. Shower-bath curtains. 215,532; June 29.
Pittsburgh Gasoline Company, Lancaster, York, and Columbia, Pa.; Wilmington, Del.; and Quarryville, Pa. Gasoline, kerosene, lubricating oils and greases, fuel oil. 225,968; June 29.
Player-Tone Talking Machine Co., Pittsburgh, Pa. Saxophones. 210,922; June 29.
Polk Miller Products Corporation, Richmond, Va. Dog soap. 230,842; June 29.
Portsmouth Auto Supply Co., The, Portsmouth, Ohio. Lubricating oils and greases. 227,906; June 29.
Powlyn Frocks, Incorporated, Boston, Mass. Dresses and smocks. 232,043; June 29.
Progressive Musical Instrument Corporation, New York, N. Y. Ukuleles. 230,311; June 29.
Progressive Musical Instrument Corporation, New York, N. Y. Portable phonographs. 230,764; June 29.
Puritan Preserve Company, San Francisco, Calif. Mincemeat, honey, and peanut butter. 228,934; June 29.
Quaker Oil Products Corporation, The, Conshohocken, Pa. Lubricant for cleaning and polishing needles. 231,123; June 29.
Radford Bros., Pittsburgh, Pa. Shirts and blouses. 214,274; June 29.
Raven Screen Corporation, New York, N. Y. Screens for moving pictures, stereopticons, etc. 206,861; June 29.
Rehberger, A. C., Co., Chicago, Ill. Portable savings bank. 222,881; June 29.
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 230,262; June 29.
Re Nu Manufacturing Co., Omaha, Nebr. Liquid cleaner for cleaning linoleum, rubber tile, cork tile, etc. 220,574; June 29.
Republic Rubber Company, The, Youngstown, Ohio. Hose for lawns, gardens, etc. 228,663; June 29.
Rex Products and Manufacturing Company, Detroit, Mich. Platers' cleaner, etc. 226,164; June 29.
Rex Research Corporation. (See Toledo Rex Spray Company, assignor.)
Richfield Oil Company, Los Angeles, Calif. Lubricating oils. 211,623; June 29.
Royal Food Co., Berkeley, Calif. Refined nut fat. 230,766; June 29.
Rucker, Robert H., Blackwell, Okla. White wheat flour, white corn meal, sugar, coffee, etc. 227,422; June 29.
Samels & Company, Minneapolis, Minn. Oil burners. 230,576; June 29.
Sanitate Paint Renovating Corporation, Baltimore, Md. Chemical preparation for cleaning painted surfaces. 215,879; June 29.
Santaella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,578; June 29.
Santaella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,582; June 29.
Santaella, A., & Co., Inc., Tampa, Fla., and New York, N. Y. Cigars. 230,584–5; June 29.
Schleicher, Inc., Chicago, Ill. Metal radiator inclosures, shields, and grilles. 214,461; June 29.
Schorr-Kolkschneider Company, St. Louis, Mo. Malt extracts for food purposes. 228,669; June 29.
Schwarz, Max, Textile Corporation, New York, N. Y. Cotton and silk and cotton piece goods. 232,046; June 29.
Scotch Lap Company. (See Underwood, Houston H.)
Seffel, Josephine E., doing business as Golden Kettle Syrup Co., San Antonio, Tex. Table sirup. 231,012; June 29.
Segal, Meyer, Chicago, Ill. Articulating fluids for use in dental work in detecting points of contact between opposed surfaces. 224,578; June 29.
Simms, T. S., & Company Limited, St. John, New Brunswick, Canada. Painters' brushes. 227,481; June 29.
Simons & Struve Hosiery Company, The, Philadelphia, Pa. Children's stockings. 231,758; June 29.
Sipe, James B., & Co., Pittsburgh, Pa. Paint. 231,949; June 29.
Sipe, James B., & Co., Pittsburgh, Pa. Lacquer. 231,950; June 29.
Sipe, James B., & Co., Pittsburgh, Pa. Lacquer. 231,952; June 29.
Sipe, James B., & Co., Pittsburgh, Pa. Paint. 231,955; June 29.
Smithson, Harry L., Port Deposit, Md. Ham, bacon, lard, and sausage. 227,693; June 29.
Societe Anonyme Etablissements Pastival, Paris, France. Throat pastils and pastils for affections of the throat and respiratory passages. 224,785; June 29.
Standard Gypsum Company, The, San Francisco, Calif. Agricultural gypsum. 229,357; June 29.
Standard Oil Company (New Jersey), Bayonne, N. J. Refined, semirefined, and unrefined oils and greases. 232,158; June 29.
Stough, Turney H., doing business as The Jeannette Toy and Novelty Co., Jeannette, Pa. Portable phonographs. 211,811; June 29.
Straffon, Chas. W., Lawrence, Kans. Antiseptic preparation. 229,131; June 29.
Superior Portland Cement Company, Seattle, Wash. Portland cement. 221,644; June 29.
Taylor, E. E., Company, Boston, Mass. Boots, shoes, and slippers. 230,319–20; June 29.
Taylor, Slade J. K., Dallas, Tex. Acid solvent. 227,540; June 29.
Tennessee Eastman Corporation, Kingsport, Tenn. Charcoal. 229,940; June 29.
Theonett & Co., Chicago, Ill. Foods and ingredients of foods covering specifically ice cream and frozen confections. 218,833; June 29.
Those Green Brothers. (See Green Brothers Fruit and Produce Co., The.)
Toledo Rex Spray Company, The, assignor to Rex Research Corporation, Toledo, Ohio. Insecticide. 231,503–4; June 29.
Tor-Tis Company, The, Detroit, Mich. Liquid shoe cleaner and polish. 231,884; June 29.
Trufood Limited, London and Wrenbury, near Nantwich, Cheshire, England. Milk powder for food. 231,505; June 29.
Truscon Steel Company, doing business as The Truscon Laboratories, Detroit, Mich. Pyroxylin and lacquers. 230,064; June 29.
Tubular Woven Fabric Company, Pawtucket, R. I. Nonmetallic sheathed cables for electric circuits. 230,809; June 29.
Underwood, Houston H., doing business as Scotch Lap Company, Conemaugh, Pa. Beverage. 226,264; June 29.
Union Pencil Company Inc., New York, N. Y. Cedar pencils. 229,204–5; June 29.
Universal Gypsum Company, Chicago, Ill. Composition material for construction and insulating purposes. 229,835; June 29.
Unruh, William A., doing business as The Great Central Laboratories, Chicago, Ill. Medicinal remedies for pleurisy, lumbago, etc. 224,636; June 29.
Valentin Blatz Brewing Company, Milwaukee, Wis. Ginger ale. 229,423; June 29.
Valley John M., Chicago, Ill. Furniture and automobile polish. 229,480; June 29.
Vanderbilt, R. F., Company, Inc., New York, N. Y. Clay used as a raw material in the manufacture of china, etc. 214,037; June 29.
Verband Deutscher Elektrotechniker e. V., Berlin, Germany. Electric-fuse-melting plugs, electric flatirons, etc. 223,005; June 29.
Vernon, S. E. & M., Inc., New York, N. Y. Blank books, etc. 230,959; June 29.
Vogel, Geo. L., doing business as American Malt Co., Woodhaven, N. Y. Malt extract. 229,836; June 29.
Wait, George Z., doing business as George Z. Wait & Co., Sacramento, Calif. Concentrated fruit juices for beverages. 226,520; June 29.
Wallau, Alexander Lee, Inc., New York, N. Y. Hosiery. 215,748; June 29.

Waynesboro Pharmacal Company, Waynesboro, Ga. Medicinal preparation. 231,575; June 29.
Warshaw, Samuel C., doing business as Jolies, Albany, N. Y. Plated precious-metal-trimmed cigar, pipe, and cigarette holders, etc. 225,153; June 29.
Waterman, L. E., Company, New York, N. Y. Fountain pens. 230,463; June 29.
Watertown Carbonating Co. (See Dory, P. G.)
Watkins, J. R., Company, The, Winona, Minn. Mustard. 216,954; June 29.
Weber, F., Co., Philadelphia, Pa. Pantographs, planimeters, slide rules, etc. 228,343; June 29.
Weber, F., Co., Inc., Philadelphia, Pa. Artists', students', and show-card colors. 230,065; June 29.
Webster, William A., Company, The, Memphis, Tenn. Face powders, creams, packs, toilet waters, etc. 231,290; June 29.
Weissbrod, Emil, & Sons, Inc., Greenfield, Mass. Key cases. 229,995; June 29.
Weston, John S., doing business as W-W Products Co., St. Bernard, Ohio. Cleaning and polishing preparation. 231,355; June 29.
Whitbread, G. W., Brooklyn, N. Y. Lumber and other building materials. 230,203; June 29.
White Mule, Inc., Carbondale, Ill. Dye and shine enamel and engine enamel. 227,210; June 29.
Wilcox, Frederick C., Keene, N. H. Golf tees. 229,767; June 29.
Williamson-Dickie Manufacturing Company, Fort Worth, Tex. Children's play suits. 215,544; June 29.
Willk, Alexandre, Paris, France. Powder puffs. 229,768; June 29.
Winchester, Chas. M., jr., Albany, N. Y. Weekly magazine. 231,226; June 29.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 223,675; June 29.
Worumbo Manufacturing Company, Bath, Me. Coats and suits. 231,711–12; June 29.
Wuest, Adam, Cincinnati, Ohio. Bedding. 226,321; June 29.
XYZ Mfg. Co., Duluth, Minn. Cleaning compounds. 227,334; June 29.
York Manufacturing Co. Inc., New York, N. Y. Cotton piece goods and silk and cotton piece goods. 220,161; June 29.
Yu-Chu Company, The, Newark, N. J. Chewing gum, salted peanuts, and candy-coated peanuts. 223,352; June 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Old Ben Coal Corporation. 214,717; June 29.

CLASS 2.

Bags, Collapsible cardboard paper. Nomad Kit Bag Co. 214,660; June 29; Serial No. 227,531; published Apr. 13, 1926.
Bags, Paper. I. Meinick. 214,559; June 29; Serial No. 225,670; published Apr. 13, 1926.
Cans, Garbage and waste. Master Metal Products Inc. 214,562; June 29; Serial No. 226,250; published Apr. 13, 1926.
Chutes and boxes for buildings, Mail. American Device Manufacturing Company. 214,551; June 29; Serial No. 221,939; published Apr. 13, 1926.
Containers, Metal trash. J. E. Bulwinkle. 214,650; June 29; Serial No. 226,801; published Apr. 13, 1926.
Receptacles for holding an edible food product, Small empty. W. C. Kelly. 214,627; June 29; Serial No. 226,660; published Apr. 13, 1926.
Receptacles, shipping and packing cases, and containers made of corrugated pasteboard. Pequot Manufacturing Corporation. 214,548; June 29; Serial No. 209,689; published Apr. 13, 1926.

CLASS 5.

Adhesive for mending various articles, Liquid. J. H. Brodhead. 214,722; June 29.

CLASS 6.

Perfume. Lentheric, Inc. 214,539; June 29; Serial No. 206,854; published Feb. 10, 1925.
Salve. Carboil Salve Co. 56,318; renewed Sept. 11, 1926.

CLASS 8.

Pipes, Tobacco. A. Oppenheimer & Co. 214,666; June 29; Serial No. 222,185; published Dec. 8, 1925.

CLASS 11.

Ink, Writing. R. A. Belmont. 214,625; June 29; Serial No. 226,416; published Apr. 6, 1926.
Inks, Drawing, writing, and marking. Par Vell Laboratories. 214,662; June 29; Serial No. 227,596; published Apr. 6, 1926.

CLASS 12.

Cement. E. C. Eckel. 214,604; June 29; Serial No. 211,908; published Nov. 24, 1925.
Ducts and conduits, Clay. H. B. Clamp Company. 56,700; renewed Oct. 16, 1926.
Stairways. Woodbridge Ornamental Iron Company. 214,698; June 29.
Wall ties. J. Prescott. 53,185; renewed May 29, 1926.

CLASS 13.

Pipe lines, or used in connection with bath fixtures, Water-treating devices to be connected in water-supply. W. R. Pulkinghorn. 214,555; June 29; Serial No. 224,359; published Mar. 23, 1926.

CLASS 14.

Alloy steels and castings made therefrom. Massillon Steel Casting Company. 214,667; June 29; Serial No. 220,733; published Apr. 13, 1926.
Bronze sheets. U. T. Hungerford Brass & Copper Co. 214,661; June 29; Serial No. 227,586; published Apr. 13, 1926.
Metal and alloys of metal. Cronite Foundry Company Limited. 214,588; June 29; Serial No. 228,087; published Apr. 13, 1926.
Steel plates. Youngstown Sheet & Tube Company. 214,586; June 29; Serial No. 227,868; published Apr. 13, 1926.

CLASS 17.

Cigarettes, cigars, smoking tobacco. M. M. Leichter. 214,536; June 29; Serial No. 226,064; published Apr. 13, 1926.
Cigars. Bayuk Cigars Incorporated. 214,530; June 29; Serial No. 222,060; published Apr. 13, 1926.
Cigars, cigarettes, and smoking tobacco. V. Rodriguez. 214,537; June 29; Serial No. 226,377; published Apr. 13, 1926.
Tobacco, Chewing. Ryan-Hampton Tobacco Co. 214,535; June 29; Serial No. 226,024; published Apr. 13, 1926.
Tobacco, Chewing. H. Ormsby. 214,534; June 29; Serial No. 226,017; published Apr. 13, 1926.

CLASS 19.

Airplanes, seaplanes, flying boats, etc. Loening Aeronautical Engineering Corporation. 214,697; June 29.
Automobile heaters. L. L. Steindler. 214,601; June 29; Serial No. 226,384; published Apr. 20, 1926.
Automobile seat covers. Durant Motocover Co. 214,598; June 29; Serial No. 226,187; published Apr. 20, 1926.
Automobile seat covers. Protexcar Mfg. Co. 214,599; June 29; Serial No. 226,210; published Apr. 20, 1926.
Automobile ventilators and window regulators. Ackerman, Blaesser, Fezzey, Inc. 214,582; June 29; Serial No. 227,619; published Apr. 20, 1926.
Shock absorbers, vibration dampers, and cushioning devices. J. C. Vredenburg. 214,602; June 29; Serial No. 216,703; published Apr. 20, 1926.
Vehicle bodies. American Body Company Incorporated. 214,576; June 29; Serial No. 226,705; published Apr. 20, 1926.

CLASS 21.

Antenna loops, radio receiving sets, fixed and variable condensers, etc. J. Nazeley. 214,572; June 29; Serial No. 204,416; published Mar. 23, 1926.
Batteries. Diamond Electric Specialties Corporation. 214,610; June 29; Serial No. 225,507; published Mar. 30, 1926.
Batteries, Electric. Bright Star Battery Co. 214,606; June 29; Serial No. 223,017; published Mar. 30, 1926.
Batteries, Electric. Consolidated Battery Company. 214,614; June 29; Serial No. 225,649; published Mar. 30, 1926.
Battery eliminators for radio apparatus and parts thereof. American Bosch Magneto Corporation. 214,713; June 29.
Coils, condensers, rheostats, resistances, tubes, and batteries. Harkness Radio Corporation. 214,547; June 29; Serial No. 208,192; published Mar. 30, 1926.
Condensers for radio apparatus. Ambassador Sales Co. 214,670; June 29; Serial No. 208,030; published Mar. 30, 1926.
Cookers and bakers, Electric. A. E. Sweet. 214,608; June 29; Serial No. 222,804; published Jan. 5, 1926.
Electric furnaces. Hevi-Duty Electric Company. 214,702; June 29.
Electric household appliances. Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschränkter Haftung. 214,546; June 29; Serial No. 206,281; published Mar. 23, 1926.
Electric sockets, fixture parts, ceiling buttons, push buttons, etc. Pass & Seymour, Incorporated. 214,680; June 29; Serial No. 224,107; published Mar. 30, 1926.
Electroplaters. Blue Point Tool Company. 214,672; June 29; Serial No. 209,117; published Apr. 6, 1926.
Floor-surfacing machines, Electrical. Electric Rotary Machine Co. 214,688; June 29; Serial No. 225,354; published Mar. 30, 1926.

Indicator for elevators, Electric position. Elevator Supplies Co. 214,612; June 29; Serial No. 225,602; published Mar. 30, 1926.
Lamp reflectors, lighting outfits, etc., Christmas-tree electric-. Monowatt Electric Import Company. 214,568; June 29; Serial No. 186,518; published February 17, 1925.
Lamps, Electric floor-lighting. Exhibitors Supply Company Inc. 214,727; June 29.
Lamps, Portable electric. Greist Manufacturing Company. 214,715; June 29.
Plugs, angle two-way plugs, straight three-way convenience outlets, etc., Straight two-way. Reynolds Spring Company. 214,628; June 29; Serial No. 222,479; published Mar. 30, 1926.
Plugs, angle two-way plugs, straight three-way convenience outlets, etc., Straight two-way. Reynolds Spring Company. 214,675; June 29; Serial No. 222,482; published Mar. 30, 1926.
Radio apparatus, Plugs for. Polymet Manufacturing Corporation. 214,549; June 29; Serial No. 215,021; published Mar. 23, 1926.
Radiodials and mountings therefor. A. H. Grebe & Co. 214,629; June 29; Serial No. 222,453; published Mar. 30, 1926.
Radio parts. Amsco Products, Inc. 214,682; June 29; Serial No. 224,489; published Mar. 30, 1926.
Radio parts. R-B Radio Company. 214,711; June 29.
Radio products. Walter W. Biddick, Inc. 214,569; June 29; Serial No. 201,531; published Dec. 9, 1924.
Radio receiving apparatus, Detector and amplifier tubes for. Stewart-Warner Speedometer Corporation. 214,533; June 29; Serial No. 225,207; published Mar. 30, 1926.
Radio receiving apparatus or sets and parts thereof. Stratiline Radio Corporation. 214,553; June 29; Serial No. 222,716; published Mar. 30, 1926.
Radio receiving equipment and parts thereof. Radio Receptor Company. 214,729; June 29.
Radio receiving sets. Gimbel Brothers, Inc. 214,644; June 29; Serial No. 223,473; Mar. 30, 1926.
Radio receiving sets and/or parts thereof, etc. R. R. Raymond. 214,704; June 29.
Radio receiving sets and parts thereof. C. H. Rauschenberg. 214,609; June 29; Serial No. 225,446; published Mar. 30, 1926.
Radio receiving sets and parts thereof. G. C. Stoltz. 214,545; June 29; Serial No. 204,528; published Mar. 23, 1926.
Radio receiving sets, Assembled. Stromberg-Carlson Telephone Mfg. Co. 214,647; June 29; Serial No. 224,210; published Mar. 30, 1926.
Radiotubes. Music Master Corporation. 214,616–17; June 29; Serial Nos. 225,837–8; published Mar. 30, 1926.
Radiotubes. A. J. Musselman. 214,718; June 29.
Radio vacuum tubes. United Radio & Electric Corporation. 214,691; June 29; Serial No. 226,746; published Mar. 30, 1926.
Radio vacuum tubes. United Radio & Electric Corporation. 214,692; June 29; Serial No. 226,748; published Mar. 30, 1926.
Radiowiring, Connecters for. Radio Specialty Company. 214,712; June 29.
Rectifiers and condensers, Electrolytic. Philadelphia Storage Battery Co. 214,686; June 29; Serial No. 225,276; published Mar. 30, 1926.
Spark plugs. Paf Manufacturing Company. 214,613; June 29; Serial No. 225,618; published Mar. 30, 1926.
Two-way plugs, angle two-way plugs, convenience taps, etc. Reynolds Spring Company. 214,630; June 29; Serial No. 222,480; published Mar. 30, 1926
Vacuum cleaners, Electrically-operated. United Electric Company. 214,570; June 29; Serial No. 201,910; published Mar. 30, 1926.

CLASS 22.

Dolls and footballs. Live Long Toys. 214,597; June 29; Serial No. 225,699; published Apr. 13, 1926.
Dumb-bells, grip developers, and muscular developers. G. Campbell. 214,592; June 29; Serial No. 222,305; published Apr. 13, 1926.
Fishing reels. Enterprise Manufacturing Company. 214,579; June 29; Serial No. 227,266; published Apr. 13, 1926.
Game played with balls and mallets. Korolo Game Company. 214,600; June 29; Serial No. 226,249; published Apr. 13, 1926.
Picture-construction sets of layer pieces. Hales Layer Poster Corporation. 214,594; June 29; Serial No. 223,962; published Apr. 13, 1926.
Skates, Snow and ice. P. F. Denning. 214,706; June 29.
Toy buildings. H. Chase. 214,603; June 29; Serial No. 212,321; published Apr. 13, 1926.

CLASS 23.

Blockers, Beet. J. F. Prenosil. 214,565; June 29; Serial No. 226,557; published Apr. 13, 1926.
Boilers, Appliances for cleaning. Diamond Power Specialty Corporation. 214,540; June 29; Serial No. 227,445; published Apr. 13, 1926.
Fans, blowers, gas engines, etc. B. F. Sturtevant Company. 214,542; June 29; Serial No. 173,055; published Apr. 13, 1926.
Fountains, Automatic soda. Sodoasis Manufacturing Co. 214,561; June 29; Serial No. 226,083; published Apr. 13, 1926.
Lathes, Planers, drill presses, chisels, saw blades, etc. W. B. Boom. 214,560; June 29; Serial No. 225,762; published Apr. 13, 1926.
Mixers, vacuum pans, crutchers, etc. Sowers Manufacturing Company. 214,543; June 29; Serial No. 191,418; published Apr. 13, 1926.
Presses, Baling. M. Loewy. 214,564; June 29; Serial No. 226,435; published Apr. 13, 1926.
Pressure systems, pumps, explosive engines, and parts thereof, Pneumatic. Duro Pump and Manufacturing Company. 214,550; June 29; Serial No. 220,509; published Dec. 1, 1925.
Swabs, Oil-well. L. G. Burt. 214,558; June 29; Serial No. 225,502; published Apr. 13, 1926.
Woodworking machinery and parts thereof. Dewalt Products Co. 214,541; June 29; Serial No. 227,343; published Apr. 13, 1926.

CLASS 24.

Cloth covers for ironing boards. David Caplan Company. 214,681; June 29; Serial No. 224,275; published Mar. 30, 1926.
Clotheslines and reels, Combined. Patent Novelty Company. 214,664; June 29; Serial No. 221,635; published Mar. 30, 1926.
Ironing-board pads and covers. Ideal Specialty Co. 214,725; June 29.
Tubs, Galvanized laundry. J. M. Tennison. 214,683; June 29; Serial No. 224,843; published Mar. 30, 1926.

CLASS 25.

Banks, Portable savings. Shulman & Sons. 214,581; June 29; Serial No. 227,538; published Apr. 20, 1926.
Hardware, Builder's. Fraim-Slaymaker Hardware Co. 214,532; June 29; Serial No. 225,086; published Apr. 13, 1926.
Locks, latches, and keys therefor. L. B. Hershey. 214,583; June 29; Serial No. 227,743; published Apr. 20, 1926.
Safes. Shaw-Walker Company. 214,538; June 29; Serial No. 227,691; published Apr. 13, 1926.

CLASS 26.

Cameras, panoramic attachments for cameras, etc., Photographic. Eastman Kodak Company. 214,622; June 29; Serial No. 226,188; published Apr. 6, 1926.
Cinematograph recording and exhibiting apparatus, films bearing moving-picture records, etc. Tri-Ergon A.-G. 214,574; June 29; Serial No. 207,418; published Apr. 13, 1926.
Dilatometers. Stanley P. Rockwell Company. 214,566; June 29; Serial No. 227,040; published Apr. 13, 1926.
Drawing instruments. Keuffel & Esser Company. 214,685; June 29; Serial No. 225,265; published Apr. 13, 1926.
Meter frames, disks, and cases, speedometer parts, watch glasses, etc. Bakelite Corporation. 214,663; June 29; Serial No. 221,592; published Apr. 6, 1926.
Photographic film. Eastman Kodak Company. 214,656; June 29; Serial No. 227,299; published Apr. 13, 1926.
Picture films, Advertising and publicity motion-. Alexander Industries, Inc. 214,659; June 29; Serial No. 227,492; published Apr. 13, 1926.
Picture films, Series of motion-. International Feature Service, Inc. 214,563; June 29; Serial No. 226,427; published Apr. 6, 1926.
Rule, Metal. S. M. Schenkeln. 214,658; June 29; Serial No. 227,370; published Apr. 13, 1926.
Voltmeters. Weston Electrical Instrument Corporation. 214,655; June 29; Serial No. 227,097; published Apr. 13, 1926.

CLASS 27.

Watches, watchcases, watch movements, and parts of the same. Herald Watch Co. 214,575; June 29; Serial No. 207,567; published Mar. 30, 1926.
Watches, watchcases, watch movements, and parts of the same. Herald Watch Co. 214,668; June 29; Serial No. 207,568; published Mar. 30, 1926.

CLASS 28.

Bracelets, vanity cases, mesh bags, etc. Napier Co. 214,554; June 29; Serial No. 223,318; published Mar. 23, 1926.
Brooches, necklaces, dress ornaments, finger rings, etc. Cohn & Rosensberger, Inc. 214,619; June 29; Serial No. 225,912; published Apr. 6, 1926.
Jewelry, not including watches. Bippart, Bennett & Co. 214,684; June 29; Serial No. 224,946; published Mar. 30, 1926.
Pearls and pearl necklaces. Carson Pirie Scott & Co. 214,544; June 29; Serial No. 201,881; published Mar. 23, 1926.
Pearls, Imitation. F. Guillard. 214,552; June 29; Serial No. 222,455; published Mar. 23, 1926.
Pins, collar buttons, studs, etc., Scarf and collar. Arrow Emblem Co. 214,618; June 29; Serial No. 225,858; published Mar. 30, 1926.
Ring guards. Lion Safety Pin Clutch Co. 214,611; June 29; Serial No. 225,517; published Mar. 30, 1926.

Rings and brenstpins, Finger. H. W. Peters. 214,573; June 29; Serial No. 206,858; published Mar. 30, 1926.
Silverware. Weidlich Bros. M'f'g. Co. 214,687; June 29; Serial No. 225,293; published Mar. 30, 1926.

CLASS 29.

Brushes. Harrison Brush Company. 214,577; June 29; Serial No. 227,176; published Apr. 13, 1926.
Brushes. Sullivan Brush Co. 214,593; June 29; Serial No. 222,802; published Apr. 13, 1926.
Brushes, Painters'. Solo-Horton Brush Company. 214,595; June 29; Serial No. 224,116; published Apr. 13, 1926.
Brushes, Painters'. Solo-Horton Brush Company. 214,596; June 29; Serial No. 224,786; published Apr. 13, 1926.

CLASS 31.

Ice-cream freezers. J. G. Cherry Company. 214,720; June 29.
Refrigerating apparatus, refrigerating machines, and refrigerators. Aktiebolaget Elektrolux. 214,633; June 29; Serial No. 220,587; published Apr. 13, 1926.
Vacuum filters, sand filters, drying systems, drum-type driers, etc., Automatic. Filtration Engineers, Inc. 214,676–7; June 29; Serial Nos. 223,029–30; published Apr. 13, 1926.

CLASS 32.

Beds, bed springs, mattresses, pads, and pillows. J. H. McCain. 214,657; June 29; Serial No. 221,326; published Apr. 6, 1926.
Chairs and tables for household purposes. J. C. Spach Wagon Works. 214,607; June 29; Serial No. 222,713; published Apr. 13, 1926.
Chests, dining-room tables, display tables, buffets, etc. Oneida Community Limited. 214,665; June 29; Serial No. 221,917; published Apr. 6, 1926.
Furniture, Household. Grand Rapids Bookcase and Chair Co. 214,716; June 29.
Furniture, Household. Tell City Furniture Company. 214,643; June 29; Serial No. 223,347; published Apr. 13, 1926.

CLASS 33.

Glasses, bowls, pitchers, vases, etc. Adolphe Schloss Fils & Cie. 214,671; June 29; Serial No. 208,430; published Feb. 16, 1926.

CLASS 35.

Belting and rawhide cut lace for leather belting, Leather. Whiting Leather & Belting Co. 214,605; June 29; Serial No. 211,244; published Nov. 24, 1925.

CLASS 36.

Cornets, trumpets, slide trombones, etc. Sears, Roebuck and Co. 214,640; June 29; Serial No. 210,860; published Apr. 6, 1926.
Harmonicas and accordions, Mouth. M. Hohner, Inc. 214,695; June 29; Serial No. 227,352; published Apr. 6, 1926.
Musical wind instruments, Mouth pieces for. H. B. Henton. 214,623; June 29; Serial No. 226,197; published Apr. 6, 1926.
Organs, Pipe. Wicks Pipe Organ Co. 214,726; June 29.
Pianos. Allied Piano Manufacturers, Inc. 214,719; June 29.
Pianos. Allied Piano Manufacturers, Inc. 214,721; June 29.
Pianos, player pianos, alto clarinets, etc. Rudolph Wurlitzer Company. 214,557; June 29; Serial No. 224,533; published Mar. 23, 1926.
Sound records for phonographs and other machines. Brunswick-Balke-Collender Company. 214,556; June 29; Serial No. 224,497; published Mar. 23, 1926.
Ukuleles and banjo ukuleles. Progressive Musical Instrument Corporation. 214,679; June 29; Serial No. 223,330; published Mar. 30, 1926.

CLASS 37.

Penholders. E. Faber. 57,022; renewed Oct. 30, 1926.

CLASS 38.

Newspaper, Daily. New England Newspaper Publishing Company. 57,357; renewed Nov. 13, 1926.

CLASS 39.

Apparel, Women's outer. Harford Frocks, Inc. 214,705; June 29.
Cloaks, Bathing. H. Farah. 214,707; June 29.
Cloaks, capes, suits, and dresses, skirts, etc., Knitted. Franklin Knitting Mills, Inc. 214,708; June 29.
Costumes, coats, and skirts for women; hats, caps, suits, and overcoats for men and children. J. & J. C. Dorward Limited. 214,673; June 29; Serial No. 220,599; published Apr. 13, 1926.
Dresses. Lang-Kohn Manufacturing Company. 214,635; June 29; Serial No. 218,419; published Apr. 13, 1926.
Dresses, aprons, blouses, etc. S. L. Munson Co. 214,632; June 29; Serial No. 209,539; published Oct. 13, 1925.
Dresses of silk, cotton, wool, etc. Biesenthal-Johnston Co. 214,652–3; June 29; Serial Nos. 226,877–8; published Apr. 13, 1926.
Gloves, aprons, leggings, and men's rubberized coats, Rubberized. Tufoak Products Co. 214,669; June 29; Serial No. 212,409; published Mar. 16, 1926.
Hats, coats, cloaks, suits, dresses, etc. Fashion Center. 214,700; June 29.
Jackets, vests, and sweaters, Knitted. Durable Knitting Mills. 214,699; June 29.
Mufflers. Trabulsi Knit Fabric Co. 214,710; June 29.
Overalls, pants, and work shirts, Men's. American Work Clothes, Inc. 214,578; June 29; Serial No. 227,213; published Mar. 30, 1926.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company. 214,585; June 29; Serial No. 227,794; published Apr. 13, 1926.
Sweaters and vests, coats, hats, etc., Knitted. Franklin Knitting Mills, Inc. 214,709; June 29.
Topcoats. J. Schoeneman, Incorporated. 214,723; June 29.
Underwear, Knitted. J. C. Fonnesbeck. 214,689; June 29; Serial No. 226,720; published Apr. 13, 1926.
Underwear, shirts, shirt waists, hosiery, and dresses. David H. Posner Inc. 214,641; June 29; Serial No. 223,055; published Apr. 13, 1926.

CLASS 42.

Broadcloth. Fairfax Textile Mills Inc. 214,590; June 29; Serial No. 208,187; published Mar. 31, 1925.
Fabrics, Woven. Whitman-Cooney Textile Corporation. 214,529; June 29; Serial No. 219,361; published Nov. 3, 1925.
Ginghams. Highland Park Manufacturing Company. 56,958–9; renewed Oct. 30, 1926.
Kersey and cassimere. W. J. Dickey & Sons, Incorporated. 57,308; renewed Nov. 13, 1926.
Silks in the piece. Jansen & Pretzfeld, Inc. 214,701; June 29.
Towels, handkerchiefs, and napkins. W. C. Houck. 214,591; June 29; Serial No. 208,293; published Mar. 24, 1925.
Woolen cloth in the piece. Henry A. Ritchie & Co. 214,728; June 29.

CLASS 43.

Thread, Cotton. Clark Thread Company. 54,654; renewed June 26, 1926.
Thread, Cotton. Clark Thread Company. 54,934; renewed Aug. 7, 1926.
Thread, Vamping. Clark Thread Company. 56,110; renewed Aug. 28, 1926.

CLASS 44.

Sanitary napkins. Caledonia Cellulose Company. 214,589; June 29; Serial No. 228,226; published Apr. 13, 1926.
Sanitary napkins. Novox Laboratories, Inc. 214,690; June 29; Serial No. 226,734; published Apr. 13, 1926.
Sanitary napkins. United Drug Company. 214,651; June 29; Serial No. 226,836; published Apr. 13, 1926.
Syringes, Hypodermic. E. Pinkus. 214,587; June 29; Serial No. 228,066; published Apr. 13, 1926.

CLASS 45.

Beverages, juices, sirups, and extracts. Chesterman Company. 57,416; renewed Nov. 13, 1926.
Ginger ale. Minneapolis Brewing Company. 214,580; June 29; Serial No. 227,528; published Apr. 13, 1926.

CLASS 46.

Apples and walnuts, Fresh. Sealy-Dresser Co. 214,621; June 29; Serial No. 226,169; published Apr. 13, 1926.
Cake, Sugar-wafer bar. Perfection Biscuit Company. 214,615; June 29; Serial No. 225,730; published Apr. 13, 1926.
Candies, Blue Hill Candy Co. 214,654; June 29; Serial No. 227,052; published Apr. 6, 1926.
Candy. C. F. Blanke Candy Co. 214,620; June 29; Serial No. 226,093; published Apr. 13, 1926.
Candy. W. A. Foster, jr. 214,645; June 29; Serial No. 224,009; published Apr. 6, 1926.
Candy. Reid, Murdoch & Co. 214,678; June 29; Serial No. 223,139; published Apr. 13, 1926.
Candy. S. Ritner. 214,674; June 29; Serial No. 210,083; published Apr. 13, 1926.
Candy and chocolates. J. A. Waldrep. 214,584; June 29; Serial No. 227,617; published Apr. 13, 1926.
Canned foods and roasted coffee. E. S. Kibbe Company. 214,624; June 29; Serial No. 226,198; published Apr. 13, 1926.
Canned foods, evaporated milk, etc. Kroger Grocery & Banking Co. 214,567; June 29; Serial No. 184,737; published July 14, 1925.
Canned fruits, vegetables, bottled cherries and olives, etc. New Castle Grocery Co. 214,524; June 29; Serial No. 208,157; published Apr. 13, 1926.
Canned fruits, vegetables, fish, and fruit salad and dried fruits. Landauer & Co. 214,642; June 29; Serial No. 223,177; published Apr. 13, 1926.
Canned salmon and canned loganberries. McGovern & McGovern. 214,634; June 29; Serial No. 219,901; published Apr. 13, 1926.
Chili sauce. P. Baca. 214,523; June 29; Serial No. 201,529; published Apr. 13, 1926.

Chips and salad dressing, Saratoga. Sierra Food Company. 214,525; June 29; Serial No. 209,501; published Apr. 13, 1926.
Chocolate, Milk. Chocolate Sales Corporation. 214,626; June 29; Serial No. 226,634; published Apr. 13, 1926.
Cocoa and chocolate. E. & A. Opler Inc. 214,649; June 29; Serial No. 226,783; published Apr. 13, 1926.
Coffee-flavored chocolate preparation for making table beverages, etc. Andre Chetelat Co. 214,703; June 29.
Coffees, Mocha. American Over-Orient Trading Corporation. 214,696; June 29; Serial No. 193,088; published Apr. 13, 1926.
Cookies, Coconut. National Cream Fried Cake Co. 214,714; June 29.
Egg substitutes. Ex-Cono-Me Manufacturing Company. 214,526; June 29; Serial No. 209,779; published Apr. 13, 1926.
Extracts of meat and compounds thereof. Valentine's Meat-Juice Company. 214,693–4; June 29; Serial Nos. 226,749–50; published Apr. 13, 1926.
Flour, raisins, eggs, etc., Pancake. Kroger Grocery & Baking Co. 214,571; June 29; Serial No. 202,121; published Mar. 17, 1925.
Food, Fish. Potter-Wrightington, Inc. 214,639; June 29; Serial No. 212,033; published Apr. 13, 1926.
Foods and groceries, Chinese. W. Hing. 214,527; June 29; Ser. No. 209,889; published Apr. 13, 1926.
Fruits. Colfax Fruit Growers Association. 214,637; June 29; Serial No. 217,072; published Apr. 13, 1926.
Grapes. Pinkham Holdings Co. 214,638; June 29; Serial No. 218,328; published Apr. 13, 1926.
Grapes, Fresh. Pinkham Holdings Co. 214,636; June 29; Serial No. 218,331; published Apr. 13, 1926.
Nuts. Surbrug's Nut Products, Ltd. 214,631; June 29; Serial No. 209,439; published Apr. 13, 1926.
Oranges, lemons, and grapefruit. Piru Citrus Association. 214,646; June 29; Serial No. 224,043; published Apr. 13, 1926.
Paprika. H. D. J. Navarro. 214,528; June 29; Serial No. 217,710; published Apr. 13, 1926.
Peas, Mexican chick. A. Gonzalez. 214,648; June 29; Serial No. 226,136; published Mar. 9, 1926.
Relishes. Cellas', Inc. 214,724; June 29.
Vanilla, marshmallow frost, cocoa paste, etc., Baker's. Keystone Fruit Products Company. 214,531; June 29; Serial No. 223,583; published Apr. 13, 1926.

ALPHABETICAL LIST OF LABELS.

Arguto. For Machine Bearings. N. Mellor. 30,568; June 29.
Bit-O-Honey. For Candy. Schutter-Johnson Candy Company. 30,580; June 29.
Bobs' Pe-Kon Candies. For Candy. Bobs' Candy Co. 30,548; June 29.
Champion. For Pale Ginger Ale. Phillips Brothers. 30,577–8; June 29.
Clairemont Extras. For Eggs. Clairemont Sterilized Egg Co. 30,551; June 29.
Country Lad. For Blend of Corn Sirup, Molasses, and Pure Country Sorghum. American Syrup and Sorghum Co. 30,539; June 29.
Dillon. For Cigars. Dillon Cigar Company. 30,552; June 29.
Dinty Moore. For Candy. Aromint Mfg. Company. 30,541; June 29.
Eagle Litharge. For Litharge. Eagle-Picher Lead Company. 30,554; June 29.
Eagle Red Lead. For Red Lead. Eagle-Picher Lead Company. 30,553; June 29.
Em Bee Scalp Rub. For Hair Tonic. Miller Brothers. 30,572; June 29.
Fisher Boy. For Canned Salmon. Booth Fisheries Company. 30,549; June 29.
500 Mills' Mint Balls. For Confectionery. Mills Novelty Co. 30,573; June 29.
Iodex (Iodine) Skin Soap—Physician's Sample. For a Medicated Soap. Menley & James Limited New York. 30,569; June 29.
Iodex Skin Soap. For Medicated Soaps. Menley & James Limited New York. 30,570; June 29.
J. P. Berringer Home Brand. For Bacon. J. P. Berringer. 30,545; June 29.
J. P. Berringer Home Brand. For Skinned Hams. J. P. Berringer. 30,546; June 29.
J. P. Berringer Home Brand. For Picnic Hams. J. P. Berringer. 30,547; June 29.
Jolly Boy. For a Soft Drink. Jackson Brewing Company. 30,565; June 29.
King Balanced Ring. For Metallic Packing Rings. United States Metallic Packing Company. 30,583–4; June 29.
Marine Sprats. For Canned Sprats. Heller Brothers Importing Co. 30,556; June 29.
No-Ble. For Malt Extract. High-Test Malt Extract Co. 30,557; June 29.
One of the 401 Products of A. D. P. For Tooth Paste. Associated Dental Products, Inc. 30,543; June 29.
Pearl-Mint Tooth Paste. For Tooth Paste. Associated Dental Products, Inc. 30,542; June 29.
Peterson's Eatsum Milk Wafers. For Biscuits, Crackers, Wafers, and Cakes. Mrs. L. M. Peterson & Co. Inc. 30,576; June 29.
Peterson's Eatsum Swedish Style Health Wafers. For Biscuits, Crackers, Wafers, and Cakes. Mrs. L. M. Peterson & Co. Inc. 30,574; June 29.
Peterson's Eatsum Swedish Style Milk Wafer. For Biscuits, Crackers, Wafers, and Cakes. Mrs. L. M. Peterson & Co. Inc. 30,575; June 29.
Puss-In-Boots. For Peas. Larsen Company. 30,567; June 29.
Radio. For Candy. Aromint Mfg. Company. 30,540; June 29.
Ridz. For Insect Spray. Midway Chemical Company. 30,571; June 29.
Ry-Krisp. For Health Bread. Ry-Krisp Company. 30,579; June 29.
Sally Lee. For Bacon. Indianapolis Abattoir Corporation. 30,563; June 29.
Sally Lee. For a Cooked Ham. Indianapolis Abattoir Corporation. 30,562; June 29.
Sally Lee. For Cooked Skinned Ham. Indianapolis Abattoir Corporation. 30,561; June 29.
Sally Lee. For Ham. Indianapolis Abattoir Corporation. 30,564; June 29.
Sally Lee. For Sausages. Indianapolis Abattoir Corporation. 30,559; June 29.
Sally Lee. For Sliced Bacon. Indianapolis Abattoir Corporation. 30,560; June 29.
Santa Claus Stationery. For Stationery and Envelopes. White and Wyckoff Mfg. Co. 30,586; June 29.
Staley's Salad and Cooking Oil. For Edible Oils. A. E. Staley Manufacturing Company. 30,581; June 29.
Tavern. For Malt Sirup. Aug. Wagner Commission Co. 30,585; June 29.
The Original Frumint Chewing Gum. For Chewing Gum. V. P. Kaub. 30,566; June 29.
The Symbol of Supreme Quality in Woolen Fabrics. For Woolen Fabrics. Julius Forstmann & Co. Inc. 30,555; June 29.
Tomatoes. For Canned Tomatoes. Chas. G. Summers, Jr. Inc. 30,582; June 29.
Uncle Ned Naf Said. For Candy Bars. Central Candy Co. 30,550; June 29.
Vermin-Nite. For Insect Spray. L. Bergstein. 30,544; June 29.
Watch Them Grow. For a Tonic Preparation for Poultry and Pigs. J. M. Hudson. 30,558; June 29.

ALPHABETICAL LIST OF PRINTS.

A Tempting New Dish for Your Summer Menus. For Wheat Breakfast Food. Cream of Wheat Co. 8,921; June 29.
Bunny Buns. For Buns. Old Homestead Bread Company. 8,930; June 29.
Clean Teeth—Better Health. For Ny-Denta Tooth Paste. Nyal Company. 8,927; June 29.
Clean Teeth—Never Decay. For Ny-Denta Tooth Paste. Nyal Company. 8,928; June 29.
Does Your Underwear Meet This Test? For Athletic Underwear. B. V. D. Company. 8,918; June 29.
Don't Forget. For Athletic Underwear. B. V. D. Company. 8,916; June 29
Every Good Piano Deserves an Overton Bench. For Piano Benches. S. E. Overton Company. 8,931; June 29.
For White Teeth and Clean Sweet Mouth. For Ny-Denta Tooth Paste. Nyal Company. 8,929; June 29.
For Your Car The Same Good Lamps You Use at Home. For Edison Mazda Lamps. Edison Lamp Works of General Electric Co. 8,922; June 29.
His Fish Story. For Athletic Underwear. B. V. D. Company. 8,917; June 29.
How Much of Your Coffee Dollar Buys Quality? For Coffee. Reid, Murdoch & Co. 8,935; June 29.
It Won't Rub Off—. For Berryloid Lacquer Finish. Berry Bros. Inc. 8,919; June 29.

Jell-O Ice Cream Powder. For Jell-O Ice Cream Powder. Jell-O Company. 8,926; June 29.
La-Chic. For Toilet Powder and Rouges. J. V. Pilcher Mfg. Co. 8,932; June 29.
L'Elite. For Toilet Powder and Rouges. J. V. Pilcher Mfg. Co. 8,933; June 29.
No Tar Odor. For Mange Medicine. Polk Miller Products Corporation. 8,934; June 29.
Take the Sizzle Out of the Sun. For Frozen Confections. Eskimo Pie Corporation. 8,924; June 29.
This Box is Triple-Wrapped and Triple-Sealed—No Other Cereal is so Safeguarded from Outer Contaminations. For Wheat Breakfast Food. Cream of Wheat Co. 8,920; June 29.
Unknown Beauty. For Toilet Goods. House of Tre-Jur, Inc. 8,925; June 29.
What's Back of That B. V. D. Label? For Athletic Underwear. B. V. D. Company. 8,915; June 29.
World's Champion Cooler! For Frozen Confections. Eskimo Pie Corporation. 8,923; June 29.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Charcoal. Tennessee Eastman Corporation. 229,940; June 29.
Clay. R. F. Vanderbilt Company. 214,037; June 29.
Coal. Central Pocahontas Coal Company. 229,778; June 29.
Coal. Central Pocahontas Coal Company. 229,902; June 29.
Coal. Downard Mining and Sales Company. 230,231; June 29.
Raw or partly-prepared materials. John S. Clement Company. 214,780; June 29.

CLASS 3.

Cases, Key. Emil Weissbrod & Sons, Inc. 229,995; June 29.
Pocketbooks and hand bags. Haines Leather Goods Company. 230,626; June 29.

CLASS 4.

Abrasive papers and abrasive cloths. American Glue Company. 219,652; June 29.
Chemical preparation for cleaning painted surfaces. Sanitate Paint Renovating Corporation. 215,879; June 29.
Cleaner and polish, Liquid shoe. Tor-Tis Company. 231,884; June 29.
Cleaner for cleaning linoleum, rubber tile, cork tile, etc., Liquid. Re Nu Manufacturing Co. 220,574; June 29.
Cleaner, Platers' spray, railroad, etc. Rex Products and Manufacturing Company. 226,164; June 29.
Cleaning and polishing preparation. J. S. Weston. 231,355; June 29.
Cleaning and scouring preparations. Gates Chemical Company. 211,589; June 29.
Cleaning compounds. XYZ Mfg. Co. 227,334; June 29.
Cleaning plate, Electrolytic. M. Palumbo. 226,822; June 29.
Cleansing and washing compound, General. Oakley Chemical Co. 226,155; June 29.
Cream, Shaving. Bristol-Myers Company. 226,330; June 29.
Hones, Razor. E. Ebeling. 231,662; June 29.
Polish, Glass, nickel, and brass. Dazzlem Products Co. 227,167; June 29.
Polish, Shoe. D. R. Franklin Co. Inc. 231,316; June 29.
Scouring and cleansing materials and compounds. Burnomore Utensil Corporation. 231,582; June 29.
Soap. Armour and Company. 229,318; June 29.
Soap. Barcelona Products Co. Inc. 231,028; June 29.
Soap. Andrew Jergens Company. 231,150; June 29.
Soap, Dog. Polk Miller Products Corporation. 230,842; June 29.
Soap, Liquid. S. Lemur Company. 228,475; June 29.
Soap powder Hartung Brothers. 231,603; June 29.
Soaps. Millers Soap Company. 231,685; June 29.
Soaps and soap shaving creams. Crystal Chemical Company. 227,938; June 29.
Washing compounds. H. G. Bissinger. 230,657; June 30.

CLASS 6.

Acid solvent. S. J. K. Taylor. 227,540; June 29.
Alcohol, Rubbing. Fabyan & Co. 231,535; June 29.
Antiseptic preparation. C. W. Straffon. 229,131; June 29.
Hair grower or tonic. M. B. Latting. 229,294; June 29.
Insecticide. Toledo Rex Spray Company. 231,503–4; June 29.
Iodine derivatives. American Avator Company. 230,980; June 29.
Lotion, hair dress, and shampoo, Skin. Amera Chemical Company. 231,179; June 29.
Lye. Champion Chemical Works, Inc. 214,055; June 29.
Medicinal oil for external use. G. C. Cowber. 231,588; June 29.
Medicinal preparation. Waynesboro Pharmacal Company. 231,575; June 29.
Medicinal remedies. W. A. Unruh. 224,636; June 29
Pastils, Throat. Société Anonyme Etablisements Pastival. 224,785; June 29.
Powders, creams, and packs, toilet waters, etc., Face. Dermay Perfumers, Inc. 226,279–80; June 29.
Powders, creams, packs, toilet waters, etc., Face. William A. Webster Company. 231,290; June 29.
Powders, face creams, toilet waters, rouges, perfumes etc., Face. Le Maire Perfumeur, Inc. 222,851; June 29.
Preparation for mouth wash, etc., Liquid. Milk-O-Fen Laboratories. 231,556; June 29.
Preparation used in the treatment of tired, aching, and burning feet. O. Lawrence. 219,036; June 29.
Salt. Griffith Laboratories. 230,736; June 29.
Tonic, Hair. M. Drinkwater. 231,190; June 29.

CLASS 8.

Pipes, cigar and cigarette holders, Tobacco. B. B. B. Pipe Co. Inc. 229,843; June 29.

CLASS 9.

Ammunition. Remington Arms Company. 230,262; June 29.

CLASS 10.

Gypsum, Agricultural. Standard Gypsum Company. 229,357; June 29.

CLASS 12.

Asbestos felt jackets. Bastian-Morley Co. 230,710; June 29.
Cement. K. P. Billner. 230,221; June 29.
Cement, Portland. Superior Portland Cement Company. 221,644; June 29.
Construction and insulating purposes, Composition material for. Universal Gypsum Company. 229,835; June 29.
Lumber and other building materials. G. W. Whitbread. 230,203; June 29.
Refractory mixtures. Illinois Clay Products Co. 230,740; June 29.
Stone, construction columns, blocks, etc., Artificial. Kraus Kastone Products Corporation. 228,382; June 29.

CLASS 13.

Bath curtains, Shower-. E. C. Perry. 215,532; June 29.

CLASS 15.

Gasoline, kerosene, lubricating oils and greases, fuel oil. Pittsburgh Gasoline Company. 225,968; June 29.
Gasoline, naphtha, lubricating oils and greases. O'Neil Oil and Paint Company. 226,503; June 29.
Lubricant for cleaning and polishing needles, Special. Quaker Oil Products Corporation. 231,123; June 29.
Oils and greases, Lubricating. W. H. Barber Company. 231,205; June 29.
Oils and greases, Lubricating. Portsmouth Auto Supply Co. 227,906; June 29.
Oils and greases, Refined, semirefined, and unrefined. Standard Oil Company (New Jersey). 232,158; June 29.
Oils, Lubricating. Richfield Oil Company. 211,623; June 29.
Petroleum products. Panhandle Refining Company. 230,411; June 29.

CLASS 16.

Colors, Artists', students', and show-card. F. Weber Co. 230,065; June 29.
Enamel and engine enamel, Dye and shine. White Mule, Inc. 227,210; June 29.
Lacquer. James B. Sipe & Co. 231,950; June 29.
Lacquer. James B. Sipe & Co. 231,952; June 29.
Paint. James B. Sipe & Co. 231,949; June 29.
Paint. James B. Sipe & Co. 231,955; June 29.
Paint, varnishes, stains, and paint enamels. J. C. Lisle. 225,996; June 29.
Paints, dry colors, colors in oil, etc. Avalon Paint Corporation. 229,427; June 29.
Pigments of various colors, Precipitated. Artcrofters Inc. 229,488; June 29.
Polish, Furniture and automobile. J. M. Valley. 229,480; June 29.
Polishes for cellulose lacquer surfaces. G. H. Irvine. 222,680; June 29.
Pyroxylin and lacquers. Truscon Steel Company. 230,064; June 29.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 17.

Cigarettes. Dimitrino & Co. 228,092–3; June 29.
Cigars. Cortez Cigar Company. 230,385; June 29.
Cigars. A. Santaella & Co. 230,578; June 29.
Cigars. A. Santaella & Co. 230,582; June 29.
Cigars. A. Santaella & Co. 230,584–5; June 29.

CLASS 19.

Trailers. Fruehauf Trailer Co. 230,621; June 29.
Vehicles, Foldable luggage carrier for. W. Henry. 213,134; June 29.

CLASS 21.

Cables, Nonmetallic sheathed. Tubular Woven Fabric Company. 230,809; June 29.
Electric-fuse-melting plugs, sockets, etc. Verband Deutschier Elektrotechniker e. V. 223,005; June 29.
Radio loud speakers. Freed-Eisemann Radio Corporation. 230,448; June 29.
Radio receiving apparatus. W. H. Huth. 230,630; June 29.
Radio receiving sets and parts thereof. Dictaphone Corporation. 225,081; June 29.
Radiotransformers and radio receiving sets. Gearhart-Schlueter Radio Corporation. 222,450; June 29.
Switches, Rotary snap. Arrow Electric Company. 214,906; June 29.

CLASS 22.

Dolls, Fabric. Albert Bruckner's Sons. 226,534–5; June 29.
Golf bags, clubs, and balls. R. H. Buhrke Company. 228,741; June 29.
Golf balls. R. H. Buhrke Company. 228,738; June 29.
Golf clubs. R. H. Buhrke Company. 228,740; June 29.
Golf clubs. Donaldson Manufacturing Co. 223,773; June 29.
Golf clubs, balls, and bags. R. H. Buhrke Company. 228,739; June 29.
Golf clubs, balls, tees, and bags. Donaldson Manufacturing Co. Ltd. 226,848; June 29.
Golf sticks, tennis rackets, tennis nets, tennis balls, and golf balls. Cromer & Kassel. 229,435; June 29.
Golf tees. F. C. Wilcox. 229,767; June 29.
Toy animals, dolls, puzzles, mechanical toys, etc. Hale Bros., Inc. 227,305; June 29.
Toys, Vehicular. Keystone Mfg. Co. 228,571; June 29.

CLASS 23.

Babbitting jigs and boring machines. Hempy-Cooper Manufacturing Co. 229,334; June 29.
Nutcrackers, potato mashers, and lard and butter spades. Golden Rule, Inc. 229,328; June 29.
Razors and safety-razor blades, Safety. Aktiebolaget Svensk Rakklinga. 224,128; June 29.

CLASS 24.

Ironing tables, Folding. National Washboard Company. 216,923; June 29.
Laundry nets. American Mills Company. 231,359; June 29.
Washing machine, Clothes- Clarinda Manufacturing Company. 227,220; June 29.

CLASS 25.

Bank, Portable savings. A. C. Rehberger Co. 222,881; June 29.
Padlocks, hasp locks, door guards, and door bolts. Master Lock Company. 214,089; June 29.

CLASS 26.

Pantographs, planimeters, slide rules, etc. F. Weber Co. 228,343; June 29.
Pictures, stereopticons, etc., Screens for moving. Raven Screen Corporation. 206,861; June 29.

CLASS 27.

Watches, watchcases, watch movements, and parts thereof. Hipp. Didisheim Co. 228,426; June 29.

CLASS 28.

Gems, Artificial. L. Heller & Son, Inc. 228,985; June 29.
Precious-metal-trimmed cigar, pipe, and cigarette holders, etc., Plated. S. C. Warshaw. 225,153; June 29.

CLASS 29.

Brushes. Hanlon & Goodman Co. 229,385; June 29.
Brushes, Painters'. T. S. Simms & Company Limited. 227,481; June 29.
Powder puffs. A. Willk. 229,768; June 29.
Toothbrushes C. F. Healy. 230,395; June 29.

CLASS 30.

Porcelain ware. E. L. Fondeville. 231,536; June 29.

CLASS 32.

Bedding. A. Wuest. 226,321; June 29.
Cabinets, Inset bathroom. Morton Manufacturing Company. 228,054; June 29.
Mattresses. Pacific States Equipment Company. 229,193; June 29.
Springs, Bed. Greenpoint Metallic Bed Company. 224,136; June 29.

CLASS 33.

Glassware, bowls, shades, globes, etc. Gillinder Bros. 231,148; June 29.

CLASS 34.

Burners, Gas. Detroit Vapor Stove Co. 227,939; June 29.
Burners, Oil Samels & Company. 230,576; June 29.
Radiator inclosures, shields, and grilles, Metal. Schleicher, Inc. 214,461; June 29.
Stoves, Gas, oil, coal, and wood. American Stove Company. 227,708; June 29.

CLASS 35.

Bushings. D. & E. Metals Co. 230,020; June 29.
Hose for lawns, gardens, etc. Republic Rubber Company. 228,663; June 29.

CLASS 36.

Phonographs and talking machines. Bing Werke vorm. Gebrüder Bing A. G. 230,712; June 29.
Phonographs, Portable. T. H. Stough. 211,811; June 29.
Corporation. 230,764; June 29.
Phonographs, Portable. T. H. Stough. 211,811; June 29.
Saxophones. Player-Tone Talking Machine Co. 210,922; June 29.
Ukuleles. Progressive Musical Instrument Corporation. 230,311; June 29.

CLASS 37.

Binders and leaves thereto, Loose-leaf. Henry Conolly Company. 230,738; June 29.
Binders, blank books, and parts thereof, filing boxes, etc. Lefax. 201,002; June 29.
Books, Blank. Commonwealth Publishing Company. 218,737; June 29.
Books, Blank. S. E. & M. Vernon Inc. 230,959; June 29.
Envelopes, Church contribution. Duplex Envelope Co. Inc. 229,091; June 29.
Notebook fillers, note paper, writing tablets, pens, and pencils. S. Parlette. 222,700; June 29.
Paper and stationery. Cooke & Cobb Company. 210,164; June 29.
Paper, paper towels, crepe paper, etc., Toilet. Fort Howard Paper Company. 210,609; June 28.
Paper, Toilet. American Paper Manufacturing Co. 231,134; June 29.
Paper, wax lunch rolls, etc., Wax. Bennington Wax Paper Company. 230,006–9; June 29.
Paper, Writing and printing. Carew Manufacturing Company. 211,254; June 29.
Papers, Wall. Reg. N. Boxer Co. Limited. 227,416; June 29.
Papers, Writing and printing. New York-New England Company. 229,812; June 29.
Pencils and fountain pens, Mechanical lead. S. Kanner. 226,429; June 29.
Pencils, Cedar. Union Pencil Company Inc. 229,204–5; June 29.
Pens, Fountain. L. E. Waterman Company. 230,463; June 29.

CLASS 38.

Magazine, Monthly. Experimenter Publishing Co. 228,305; June 29.
Magazine, Weekly. C. M. Winchester, jr. 231,226; June 29.
Periodicals published monthly. Beautiful America Publishing Corporation. 213,762; June 29.

CLASS 39.

Boots, shoes, and slippers. E. E. Taylor Company. 230,319–20; June 29.
Coats and suits. Worumbo Manufacturing Company. 231,711–12; June 29.
Coats, Fur. H. Berger. 231,089–91; June 29.
Coats, suits, dresses, and lingerie for women. R. H. Macy & Co. 231,385; June 29.
Coats, trousers, vests, and overcoats, Men's and boys'. Levinsohn Bros. and Co., 232,088; June 29.
Dresses and smocks. Powlyn Frocks, Incorporated. 232,043; June 29.
Gloves and hosiery, John V. Farwell Company. 159,861; June 29.
Hats, Ladies'. Lish Bros. 231,053; June 29.
Hosiery. Fisher & Sang. 231,913; June 29.
Hosiery. Alexander Lee Wallau, Inc. 215,748; June 29.
Shirts and blouses. Radbord Bros. 214,274; June 29.
Shoes. Harry L. Jones Incorporated. 230,741; June 29.
Stockings, Children's. Simons & Struve Hosiery Company. 231,758; June 29.
Suits and overcoats. Bank & Silber. 228,022; June 29.
Suits, Children's play. Williamson-Dickie Manufacturing Company. 215,544; June 29.
Suits, overcoats, and topcoats, Boys'. Palace Credit Clothing Co. 222,869; June 29.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Suits, overcoats, and topcoats, Men's and boys'. Palace Credit Clothing Co. 222,868; June 29.
Ties and four-in-hands, garters, etc., Bow. J. L. Graves. 228,751; June 29.
Underwear. Graceline Knitting Co. 231,917; June 29.

CLASS 40.

Combs. Dr. Heinr. Traun & Söhne vormals Harburger Gummi-Kamm-Compagnie. 230,062; June 29.
Combs. Dr. Heinr. Traun & Söhne vormals Harburger Gummi-Kamm-Compagnie. 230,134; June 29.
Hairpins, Wire and bone. L. F. Grammes & Sons, Inc. 228,749; June 29.

CLASS 42.

Carpets. Hardwick & Magee Company. 214,075; June 29.
Carpets, Textile. Hardwick & Magee Company. 214,076; June 29.
Cotton and silk and cotton piece goods. Max Schwarz Textile Corporation. 232,046; June 29.
Cotton piece goods. Fitts-Smith Dry Goods Company. 231,914; June 29.
Cotton piece goods. Monarch Mills. 214,263; June 29.
Cotton piece goods and silk and cotton piece goods. York Manufacturing Co. Inc. 220,161; June 29.
Floor coverings. Paratex Corporation. 230,895; June 29.
Mohair piece goods and piece goods of combinations of cotton, wool, etc. Goodal Worsted Co. 229,177; June 29.
Sheets, pillowcases, bedspreads, and woven and knitted fabrics. Ely & Walker Dry Goods Company. 230,619; June 29.
Silk fabrics, Artificial. N. Fluegelman & Co. Inc. 231,995; June 29.
Silk in the piece, Artificial. Annin & Co. 230,609; June 29.
Woolen and worsted piece goods. Alt Woolen Company. 215,728; June 29.
Woolen goods in the piece. J. & J. C. Dorward Limited. 220,597; June 29.
Woolen goods in the piece. Worumbo Manufacturing Company. 223,675; June 29.
Woolen piece goods. E. Butzke. 231,240; June 29.

CLASS 44.

Fluids, Articulating. M. Segal. 224,578; June 29.
Toothpicks. Griggs, Cooper & Company. 231,859; June 29.

CLASS 45.

Beverages. P. G. Dory. 229,619; June 29.
Beverages. Abner Drury Company. 227,869; June 29.
Beverages. Gerhard Lang Brewery. 229,228; June 29.
Beverages. H. H. Underwood. 226,264; June 29.
Beverages, Concentrated fruit juices for. G. Z. Walt. 226,520; June 29.
Beverages, extracts and sirups for making the same. General Bottling & Distributing Co. Inc. 222,233; June 29.
Beverages, water, and mineral water. Capon Springs Company. 228,802; June 29.
Concentrates and sirups for mixing soft drinks. G. A. Fox. 226,424; June 29.
Ginger ale. Bartow Beverages, Inc. 216,135; June 29.
Ginger ale. Valentin Blatz Brewing Company. 229,423; June 29.
Ginger ale. Cream City Products Co. 216,755; June 29.
Ginger ale. Olympic Club Company. 227,083; June 29.
Ginger ale and root beer. Atlas Brewing Company. 228,884; June 29.

CLASS 46.

Candies and chocolates. Park & Tilford. 231,119; June 29.
Candy. Golden Nugget Sweets. 225,707; June 29.
Candy. Gunther Confection and Chocolate Company. 232,000; June 29.
Candy bars. Brown Cracker & Candy Co. 231,899; June 29.
Candy lollipops and suckers. Melvin Candy Company. 230,250; June 29.
Canned goods, spices, sirups, jams, miscellaneous groceries. Hulman & Co. 221,422; June 29.
Desserts, Preparation for use in making frozen. B. Heller & Company. 230,241; June 29.
Eggs, poultry, fruit, etc. Green Brothers Fruit and Produce Company. 223,091; June 29.
Flour, Graham meal, and rye meal, Pastry. Berkshire Coal & Grain Co. 225,639; June 29.
Flour, white corn meal, sugar, coffee, etc., White wheat. R. H. Rucker. 227,422; June 29.
Foods and Ingredients. Theonett & Co. 218,833; June 29.
Fruits, Fresh deciduous. Loomis Fruit Growers Association. 232,019; June 29.
Gum and salted peanuts and candy-coated peanuts, Chewing. Yu-Chu Company. 223,352; June 29.
Gum, Chewing. Dave S. Bauer Chemical Company. 230,652; June 29.
Ham, bacon, lard, and sausage. H. L. Smithson. 227,693; June 29.
Malt extracts for food purposes. Schorr-Kolkschneider Company. 228,669; June 29.
Malt sirup and malt extracts for food purposes. Peoria Malt Food Products Company. 226,737; June 29.
Milk, coffees, jellies, jams, etc., Evaporated. J. Grossman. 230,981; June 29.
Milk powder for food. Trufood Limited. 231,505; June 29.
Mincemeat, honey, and peanut butter. Puritan Preserve Company. 228,934; June 29.
Mustards. J. R. Watkins Company. 216,954; June 29.
Nut fat, Refined. Royal Food Co. 230,766; June 29.
Sardines, canned salmon, salad oil, olive oil, canned fruits, etc. Hammer & Co. 224,243; June 29.
Sauce, Barbecue. Baumgart and Morgan. 231,514; June 29.
Sirup, Table. J. E. Lanier. 231,330; June 29.
Sirup, Table. J. E. Seffel. 231,012; June 29.
Vegetables, Fresh. S. J. Gallagher. 217,928; June 29.
Vegetables, Fresh. Golden West Shippers Inc. 229,440; June 29.

CLASS 48.

Beverages. A. E. Harris. 230,544; June 29.
Malt extracts. G. L. Vogel. 229,886; June 29.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switching device. 1,590,402; June 29.
Abbott Laboratories. (See Adams, R., Dreger, and Volwiler, assignors.)
Abram, Ira M., Dugger, Ind. Surfacer. 1,590,342; June 29.
Adams, Roger, Urbana, Ill., E. E. Dreger, Rochester, N. Y., and E. H. Volwiler, assignors to Abbott Laboratories, Chicago, Ill. Anaesthetic compound. 1,590,792; June 29.
Adriance Machine Works, Inc. (See Ross, Hugh M., assignor.)
Altken, Albert E., Edmonton, Alberta, Canada. Milk and produce purchase indicator. 1,590,793; June 29.
Aktiebolaget Gerb. Arehns Mekaniska Verstad. (See Ekström, Gunnar C., assignor.)
Alben, Frank L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Side equalized truck. 1,590,403; June 29.
Albert, J. F. (See Haustine, Harry S., assignor.)
Albig, William O., Adrian, Mich. Bag package. 1,590,176; June 29.
Altgelt, Hans, and O. Hochmuth, assignors to Kalle & Co. Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Enzymes and isolating them from their solutions. 1,590,663; June 29.
Allen, Albert J., Brooklyn, N. Y. Meter attachment. 1,590,404; June 29.
Alliance Machine Company, The. (See Hulett, Frank E., assignor.)
Allison Motors, Inc. (See Sanborn, Frederick W., jr., assignor.)
Allmanna Svenska Elektriska Aktiebolaget. (See Petersén, Wilhelm H., assignor.)
Alsatian Machine Works, Limited. (See Tunstall, Harry, assignor.)
Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,590,664; June 29.
Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,590,665; June 29.
American Can Company. (See Clark, Berton S., assignor.)
American Machine and Foundry Company. (See Anderson, Carl E., assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Manganese Steel Company. (See McNinch, William T., assignor.)
American Manufacturing & Sales Co. (See Doncaster, Ensley J., assignor.)
American Optical Company. (See Baker, Nelson M., assignor.)
American Optical Company. (See Lavallee, Emery A., assignor.)
American Optical Company. (See Schumacher, E. L., and Boutelle, assignors.)
American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
American Radiator Company. (See Mertzanoff, André M., assignor.)
American Telephone and Telegraph Company. (See Osborne, Harold S., assignor.)
American Telephone and Telegraph Company. (See Stone, John S., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Welding and Manufacturing Company. (See Klaus, Fred R., assignor.)
Anderson, Carl E., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Straining primer for pumps. 1,590,178; June 29.
Anderson, Charles M., Los Angeles, Calif. Valve for vacuum lines. 1,590,794; June 29.
Anderson, Edgar C. (See Johnson, N. O., and Anderson.)
Andreotti, Adam, San Francisco, Calif. Hinge. 1,590,177; June 29.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Flexible shaft and cable support. 1,590,666; June 29.
Angevine, Robert N., Fitchburg, Mass. Oil burner. 1,590,872; June 29.
Apostoloff, Serge, assignor to Portable Electric Current Patents Co., New York, N. Y. Battery cell. 1,590,715; June 29.
Apostoloff, Serge, New York, N. Y. Dry cell. 1,590,716; June 29.
Apostoloff, Serge, New York, N. Y. Dry cell. 1,590,717; June 29.
Apostoloff, Serge, Brooklyn, assignor to Union Dry Battery Corporation of America, New York, N. Y. Primary cell. 1,590,873; June 29.
Arbuckle Brothers. (See Grimm, P. H., and Cocks, assignors.)
Armistead, Hubert M., et al. (See Bennett, Orin, assignor.)
Armstrong, Lester R., Modesto, Calif. Emergency-brake-operating lever for automobiles. 1,590,667; June 29.
Armstrong, William C., Duquoin, Ill. Rail-sanding mechanism. 1,590,272; June 29.
Aronson, Harvey M., et al. (See Lindenlauf, Joseph, assignor.)
Ashton, Ernest, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing wheel. 1,590,343; June 29.
Asplundh, Edwin T., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company. Increasing the density of finely-divided material. 1,590,795; June 29.
Associated Oil Company. (See Bell, Arthur F. L., assignor.)
Atlas Powder Company. (See Grant, Harry L., assignor.)
Atlas Powder Company. (See Pratt, Carl D., assignor.)
Atwood, James T., Rockford, Ill. Sash operator. 1,590,997; June 29.
Austin, Bascom O., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switching device. 1,590,405; June 29.
Austin, Bascom O., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,590,406; June 29.
Autographic Register Company. (See Oliver, Walter E., assignor.)
Automatic Electric Inc. (See Erickson, J., and Obergfell, assignors.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automatic Transportation Company. (See Carr, William C., assignor.)
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Weather strip or buffer for window sashes. 1,590,714; June 29.
Bach, John L. (See Reese, H. D., Edwards, and Bach.)
Baege, Adolf, Berlin-Obershoneweide, Germany. Braiding or plaiting machine. 1,590,179; June 29.
Baker, David S., Greenwich, Conn. Method and apparatus for conditioning materials. 1,590,273; June 29.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,590,274; June 29.
Ballauf, Fritz, F. Muth, and A. Schmelzer, Elberfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Vat sulphide dyes. 1,590,718; June 29.
Ballesteros, Luis L., Calexico, Calif. Engine-cooling means for automobiles. 1,590,874; June 29.
Ballou, Robert L., Hazard, assignor of one-third to A. Stacy, Lothair, and one-third to G. D. Stacy, Hazard, Ky. Car coupler. 1,590,489; June 29.
Ballou, Robert L., Hazard, assignor of one-third to A. Stacy, Lothair, and one-third to G. D. Stacy, Hazard, Ky. Car-coupler unit. 1,590,490; June 29.
Balston, Clyde C., New York, N. Y. Combined keyboard and chart. 1,590,998; June 29.
Banks, John N., assignor to Linotype and Machinery Limited, London, England. Film exposing, developing, and finishing apparatus of photographic typographical composing machines. 1,590,796; June 29.
Bannister, George R., Greenville, S. C. Automobile horn. 1,590,797; June 29.
Barber-Colman Company. (See Hathaway, Edgar F., assignor.)
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Barber, Stanley L., Pasadena, Calif. Tree surgery. 1,590,923; June 29.
Barker, William M., Canton, Ohio. Drier. 1,590,798; June 29.

Barlow, Cone, and E. R. Clapp, Donnacona, Quebec, Canada. Laying roll. 1,590,875; June 29.
Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,590,407; June 29.
Barnes, Edwin, Sheffield, England. Spectacle and like joint. 1,590,719; June 29.
Barnickel, Wm. S., & Company. (See De Grotte, Melvin, assignor.)
Barnum, Starr H., and G. Welter, assignors to The Bigelow Company, New Haven, Conn. Tube-plate construction. 1,590,876; June 29.
Barrett Company, The. (See Downs, Charles R., assignor.)
Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Side frame 1,590,799; June 29.
Bart, Thomas E., Cincinnati, Ohio, assignor to The Murdock Mannfacturing and Supply Company. Automobile radiator-filling device. 1,590,221; June 29.
Bartholomew, Herbert. (See Clayton, Harry F., assignor.)
Battle Creek Bread Wrapping Machine Co. (See Metcalf, Howard H., assignor.)
Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Lug chuck for rock drills. 1,590,222; June 29.
Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Lug chuck for rock drills. 1,590,223; June 29.
Bayless, Mark O., Long Beach, Calif. Control system. 1,590,275; June 29.
Beall, John S., assignor to Coast Culvert and Flume Co., Portland, Oreg. Bending roll. 1,590,491; June 29.
Bean, Andrew W. (See Killinger, J. A., and Bean.)
Beardslee Chandelier Manufacturing Company. (See Dvorak, Anton, assignor.)
Bebry, Percival B., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Sliding double day bed. 1,590,276; June 29.
Becker, Arman E., Newark, N. J., assignor to Standard Development Company. Lubricant. 1,590,800; June 29.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Co. Seamless hollow article and making same. 1,590,277; June 29.
Beldam Asbestos Company Limited. (See Beldam, William R., assignor.)
Beldam, William R., assignor to Beldam Asbestos Company Limited, Hounslow, England. Packing such as is used for piston rods. 1,590,801; June 29.
Bell, Arthur F. L., assignor to Associated Oil Company, San Francisco, Calif. Can-filling machine. 1,590,278; June 29.
Bell, John E., Brooklyn, and W. E. Dowd, jr., assignors to Power Specialty Company, New York, N. Y. Air-preheating system. 1,590,408; June 29.
Bello, Rosario, Trenton, N. J. Gas mask. 1,590,668; June 29.
Bender, Harry, Omaha, Nebr. Sport cap. 1,590,409; June 29.
Benedict, Adelbert A., assignor of one-third to D. A. Bridge and one-third to J. Darmody, New York, N. Y. Thermometer. 1,590,613; June 29.
Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)
Benjamin Electric Manufacturing Company. (See Rogers, Barrett, assignor.)
Benjamin Electric Mannfacturing Company. (See Warner, Chester E., assignor.)
Bennett, Orin, assignor of one-fourth to P. Freedette and one-fourth to H. M. Armistead, San Francisco, Calif. Annunciator. 1,590,720; June 29.
Bensa, Felice. (See Zinke, Alois, assignor.)
Benson, Anthony F., Virginia, Minn. Pocket case. 1,590,492; June 29.
Benz, Jacob. (See Tiedtke, R., and Benz.)
Berger, Firm Alwin. (See Hanff, Max, assignor.)
Berkins, Clarence A., Minneapolis, Minn. Hydrocarbon burner. 1,590,669; June 29.
Bernard, Frank J., Portland, Oreg. Plumb bob. 1,590,410; June 29.
Best, John E. (See Burns, G. J., and Best.)
Bethlehem Steel Company. (See Kichline, Frank O., assignor.)
Bigelow Company, The. (See Barnum, S. H., and Welter, assignors.)
Bishop & Babcock Manufacturing Company, The. (See Zimmerman, William R., assignor.)
Black & Decker Manufacturing Company, The. (See Brown, Spencer K., assignor.)
Black, Wilbert, New Orleans, La. Fire preventing and extinguishing means. 1,590,877; June 29.
Blatchley, William H., Pittsburgh, Pa. Commutator for internal-combustion motors. 1,590,802; June 29.
Bliss, Herbert R., Niagara Falls, N. Y. Container. 1,590,411; June 29.
Blonigen, Christopher, Melrose, Minn. Glareshield attachment for automobile windshields. 1,590,562; June 29.
Bluhm, Leo, New York, N. Y. Woven fabric or similar article. Des. 70,462; June 29.
Bluhm, Leo, New York, N. Y. Woven fabric or similar article. Des. 70,463; June 29.
Blume, Louis C., Chicago, Ill. Radiodetector. 1,590,224; June 29.
Bock, Charles S., assignor to Andrew Hoffman Mfg. Co., Chicago, Ill. Closure-fastening bolt. 1,590,803; June 29.
Bodurtha, Walter H., assignor to Sunray Stove Company, Delaware, Ohio. Combined stove and cabinet interconnecting means. 1,590,721; June 29.
Bogdan, Frank D., Rochester, N. Y. Saw-grinding attachment for saw trimmers. 1,590,412; June 29.
Bohl, Hugo, Pershing, Mo. Cattle gap. 1,590,878; June 29.
Bohmker, John C., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Flywheel. 1,590,493; June 29.
Boisset, Charles L., New Orleans, La. Motor. 1,590,225; June 29.
Boisset, Charles L., New Orleans, La. Hydraulic steering apparatus for tractors. 1,590,226; June 29.
Boker, Vitus A. (See Staude, E. G., and Boker.)
Bol, Cornelis, and B. van der Pol, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,590,413; June 29.
Bosserdet, Henry C., Detroit, Mich. Doorcheck. 1,590,414; June 29.
Bouin, Charles, Boston, Mass. Stereoscopic motion-picture camera. 1,590,804; June 29.
Boutiester, Jerome H., et al. (See McAuley, Claire F., assignor.)
Boutelle, William H. (See Schumacher, E. L., and Boutelle.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 70,464; Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 70,465; June 29.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 70,466; June 29.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 70,467; June 29.
Boyd, John S., assignor to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 70,468; June 29.
Boyd, John S., Co. (See Boyd, John S., assignor.)
Boyle-Dayton Co., The. (See Dayton, F. E., and Edwards, assignors.)
Boynton, Clarence D., Norwich, Conn. Animal trap. 1,590,879; June 29.
Bradford Corporation, The. (See Herndon, H. A., and Riester, assignors.)
Bragg, Charles W., deceased, San Diego, Calif., E. S. Bragg, administratrix. Pin for fabrics. 1,590,415; June 29.
Bragg, Ethel S., administratrix. (See Bragg, Charles W.)
Brake, George U., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Self-measuring barrel pump. 1,590,805; June 29.
Brakmeier, George A., Louisville, Ky. Plant marker. 1,590,722; June 29.
Brendle, Julius, Zurich, Switzerland. Recording instrument. 1,590,806; June 29.
Bridge, Daniel A., et al. (See Benedict, Adelbert A., assignor.)
Bridges, Orville A., Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding glass. 1,590,924; June 29.
Britton, Francis J., assignor of one-half to C. Gilmer, Brainerd, Minn. Support for nursing bottles. 1,590,227; June 29.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Radiant superheater. 1,590,180; June 29.
Broome, Ernest L., Tarrytown, assignor to General Reduction Gas & By-Products Company, New York, N. Y. Gas-producing apparatus. 1,590,279; June 29.
Broquist, Albin V., Chicago City, Minn. Aeroplane. 1,590,880; June 29.
Brouwer, Jacobus, assignor to Naamlooze Vennootschap Arnold I. van den Bergh's Emballage Fabrieken, Rotterdam, Netherlands. Widthing machine for planks and laths. 1,590,881; June 29.
Brown, Harry E., and J. Hrebenyar, Plainfield, N. J. Gas torch. 1,590,882; June 29.
Brown, Spencer K., Syracuse, N. Y., assignor to The Black & Decker Manufacturing Company, Towson, Md. Screw and nut driving machine. 1,590,670; June 29.
Brown, Vinson H., Spokane, Wash. Lid-prop-locking hinge. 1,590,416; June 29.
Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Applying a sensitizing coating to paper. 1,590,417; June 29.
Brunner, Harold E., Larchmont, N. Y., assignor to The Skayef Ball Bearing Company. Antifriction-bearing mounting. 1,590,181; June 29.
Brunner, Walter. (See Herz, R., and Brunner.)
Bryant, Cyrus A., Passaic, N. J. Loading and conveying mechanism. 1,590,883; June 29.
Bryant, Cyrus A., Passaic, N. J. Conveyer belt. 1,590,884; June 29.
Buchanan, Robert B., Hamilton, Ontario, Canada. Chuck. 1,590,280; June 29.
Buettner, Charles L., and H. C. Mergel, Milwaukee, Wis. Piston. 1,590,281; June 29.

Bundy, Benjamin G., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Manufacture of gummed strips. 1,590,732; June 29.
Bunse, Fritz. (See Bunse, Otto, assignor.)
Bunse, Otto, Hesperinghausen, near Niedermarsberg, assignor to F. Bunse, Braunschweig, Germany. Seed selecting and cleaning machine. 1,590,723; June 29.
Burnes, Gertrude A., Portland, Oreg. Separator for milk and cream. 1,590,807; June 29.
Burnett, Richard W., Chicago, Ill. Pressure-retaining valve holder and pipe anchor. 1,590,733; June 29.
Burns, George J., Youngstown, Ohio, and J. E. Best, Grand Rapids, Mich.; said Best assignor of the whole right to W. French, Cleveland, Ohio. Recovering and purifying waste gases and apparatus therefor. 1,590,885; June 29.
Büsching, Willi, Haile, Germany. Concentrating nitric acid in a column. 1,590,494; June 29.
Busby, Homer C. (See Coates, Harry, assignor.)
Cadden, Charles C., and H. Dewhirst, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Winding form for radio apparatus. 1,590,282; June 29.
Caldwell Harold L. and M. A., assignors to The Caldwell Manufacturing Company, Columbus, Ohio. Infants' dressing table. 1,590,228; June 29.
Caldwell Manufacturing Company. (See Caldwell, H. L. and M. A., assignors.)
Caldwell, Marcus A. (See Caldwell, H. L. and M. A.)
Calnan, Wilfrid H., London, England. Receptacle for containing powder puffs and powder for toilet purposes. 1,590,734; June 29.
Campbell, Benjamin F., Camp Baldy, Calif. Oiling device. 1,590,418; June 29.
Campbell, Donald K., Chicago, Ill. Vending machine. 1,590,925; June 29.
Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Combined setwork and recede for sawmill carriages. 1,590,988; June 29.
Campbell, John A., Quincy, Mass. Floor-surfacing machine. 1,590,671; June 29.
Campbell, Sumner E. (See Roe, Loyal D., assignor.)
Campion, Patrick R., assignor to T. H. Foley, Oakland, Calif. Windmill. 1,590,495; June 29.
Canfield Rubber Company, The. (See Mahoney, Jeremiah L., assignor.)
Caretta, Ettore, Turin, Italy. Flexible transmission. 1,590,724; June 29.
Carnegie, Herbert S. (See Rothera, L., Carnegie, and Wilson.)
Carella, Ferdinando, Hoboken, N. J. Window blind. 1,590,886; June 29.
Carey, Archibald. (See Lamb, David C., assignor.)
Carr, Laurence H. A., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Alternating-current motor. 1,590,419; June 29.
Carr, William C., assignor to The Automatic Transportation Company, Buffalo, N. Y. Industrial truck. 1,590,496; June 29.
Carrier, John G., Hickory, N. C. Combined dadoing and relishing machine. 1,590,344; June 29.
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
Catlin, De Forest B., Boston, Mass. Therapeutic device. 1,590,283; June 29.
Chain Belt Company. (See Honeyman, Ephraim, assignor.)
Champion Register Company, The. (See Moss, Victor G., assignor.)
Chandler, Edward F. (See Taylor, E., and Chandler.)
Chandler, Edward F. (See Taylor, E., Chandler, and Hill.)
Chapin, Albert J., Glendale, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle wheel. 1,590,284; June 29.
Chappell, Marvin L. (See Vail, H. P., and Wright, assignors.)
Chatterton, Frank H. (See Frye, R. F., and Chatterton.)
Chemical Construction Company. (See Hechenbleikner, Ingenuin, assignor.)
Chiarelli, Antonio, New York, N. Y. Propelling mechanism for air navigators. 1,590,735; June 29.
Childs, Edward E., Oakland, Calif. Dancing figure toy. 1,590,563; June 29.
Chlorine Products Company. (See Jewell, William M., assignor.)
Christensen, Niels C., Salt Lake City, Utah. Making anhydrous zinc chloride. 1,590,229; June 29.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Comparator. 1,590,420; June 29.
Cierva, Juan de la, Madrid, Spain. Aeroplane with rotating wings. 1,590,497; June 29.
Clark, Berton S., Maywood, Ill., assignor to American Can Company, New York, N. Y. Testing filled and closed cans. 1,590,736; June 29.
Clark, Eugene F., Leaksville, N. C. Tube frame. 1,590,672; June 29.
Clarke, Thomas M., assignor of one-half to G. Walker, Montreal, Quebec, Canada. Closet vent. 1,590,345; June 29.
Clayton, Harry F., Strathmore, Quebec, assignor to H. Bartholomew, Montreal, Canada. Fuel burner. 1,590,989; June 29.
Clayton, Herbert D., Hill City, Kans. Merry-go-round. 1,590,887; June 29.
Clapp, Edward R. (See Barlow, C., and Clapp.)
Clement, George A., Mount Vernon, N. Y., assignor to Dualuxe Company, Inc. Fusing clip for bifocal lenses. 1,590,673; June 29.
Clement, Lewis M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio direction finding. 1,590,346; June 29.
Cleveland Gas Burner and Appliance Company, The. (See Kerr, Harry E., assignor.)
Cleveland Twist Drill Company, The. (See Emmons, Joseph V., assignor.)
Coast Culvert and Flume Co. (See Beall, John S., assignor.)
Coates, Harry, assignor to H. C. Busby, New Orleans, La. Letter-box post. 1,590,725; June 29.
Cocks, Frank L. (See Grimm, P. H., and Cocks.)
Coffis, Tom. (See Spikes, Richard B., assignor.)
Coffman, Lily O. (See Coffman, Samuel M., assignor.)
Coffman, Samuel M., assignor of one-half to Lily O. Coffman, Kansas City, Mo. Universal cord take-up. 1,590,421; June 29.
Cohen, Abner M., et al. (See Schlesinger, Ike, assignor.)
Cohen, Jennie B., et al. (See Schlesinger, Ike, assignor.)
Cole, Cleveland W., Denver, Colo. Burglar alarm and limited movement lock for doors. 1,590,182; June 29.
Collier, Robert, assignor of one-half to C. L. Hall, Los Angeles, Calif. Underreamer. 1,590,422; June 29.
Combustion Utilities Corporation. (See Klees, Albert L., assignor.)
Contreras, Rubén, Mexico, Mexico. Belt-lacing clipper. 1,590,347; June 29.
Cooke, Joseph E. M., Stafford, England. Making heels. 1,590,347; June 29.
Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Dispensing machine. 1,590,926; June 29.
Cooley, Waddie E., and B. L. Ferguson; said Cooley, assignor to E. R. and S. T. Donald, Honea Path, S. C. Combined checkstrap and binder-spring holder for loom lay beams. 1,590,809; June 29.
Cooper, David R., Ultimo, near Sydney, New South Wales, Australia. Last. 1,590,737; June 29.
Cording, Walter H. Hebron, Nebr. Harrow seat cart. 1,590,810; June 29.
Corsgren, Bernhard, New York, N. Y. Adjustable supporting device. 1,590,726; June 29.
Counts, Absalom B., Vernonia, Oreg. Agricultural cultivator. 1,590,498; June 29.
Cowles, C., & Company. (See Gates, Louis W., assignor.)
Cozad, Exter G., Corry, Pa. Measuring instrument. 1,590,499; June 29.
Craddock, Henry, Rensselaer, assignor to Townsend Furnace & Machine Shop Co. Inc., Albany, N. Y. Grate lock. 1,590,811; June 29.
Craig Damper Regulator Company. (See Howse, Curtis L., assignor.)
Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,590,423; June 29.
Crane, Leon L., Battle Creek, Mich. Guard for sawing machines and planers. 1,590,183; June 29.
Crinnian, Robert, Detroit, Mich., assignor to Detroit Oil Burner Company. Oil burner for furnaces. 1,590,614; June 29.
Crompton & Knowles Loom Works. (See Diggins, Charles A., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crouse-Hinds Company. (See Dossert, J. J., and Greaves, assignors.)
Crowe, Orin T., Hayward, Calif. Furring and fastening device. 1,590,424; June 29.
Culbertson, E. Estay, Detroit, Mich. Universal joint. 1,590,285; June 29.
Culver, Lagar R., assignor to New-Comer Trailer Mfg. Co., Los Angeles, Calif. Semitrailer. 1,590,615; June 29.
Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Extension cabinet. 1,590,674; June 29.
Cunningham, Corwin C., Toronto, Kans. Nut lock. 1,590,888; June 29.
Curby, Bernard C., Kankakee, Ill. Pumping mechanism. 1,590,889; June 29.
Custard, Joseph F. (See Hearttagen, John, assignor.)
Cutler, Albert V. B. (See Lewis, H. H., McBerty, and Cutler, and Rausch.)
Czapek, Emil, and R. Weingand, Bomlitz, Germany. Manufacturing foils. 1,590,999; June 29.
Czapek, Emil and R. Weingand, Bomlitz, Germany. Production of hollow bodies from viscose and similar cellulose solutions. 1,591,000; June 29.
Dahle, Frederick A., Logan, Utah. Oiling device. 1,590,500; June 29.
Daniele, Alexander L. (See Marengo, Simone, assignor.)
Darmody, James, et al. (See Benedict, Adelbert A., assignor.)
Darrow, Benjamin H., Chicago, Ill., assignor to The Sani-Tabl-Tub Company, Alliance, Ohio. Tub. 1,590,738; June 29.
Daugherty, Frances M., Manteca, Calif. Oil burner. 1,590,727; June 29.

Davis, Arthur H., Long Beach, Calif. Draw-works brake mechanism. 1,590,675; June 29.
Davis, Fred M., Chicago, Ill. Bathtub. 1,590,286; June 29.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Picker-stick motion for looms. 1,590,425; June 29.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanisms for looms. 1,590,564; June 29.
Davis, Lewis R., San Francisco, Calif. Flexible skirt piston. 1,590,616; June 29.
Dawson, Joseph A., Portland, Oreg. Light. 1,590,348; June 29.
Day, Harry S., Hawthorne, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 70,469; June 29.
Dayton, Frank E., and C. H. Edwards, assignors to The Boyle-Dayton Co., Los Angeles, Calif. Mechanical movement. 1,590,426; June 29.
De Giers, Clarence A., New York, N. Y., assignor to Liquidometer Company. Liquid-level indicator. 1,590,287; June 29.
De Groote, Melvin, St. Louis, assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Treating petroleum emulsions. 1,590,617; June 29.
Deister, Emil, Fort Wayne, Ind. Vehicle wheel. 1,590,288; June 29.
De Lavaud, Dimitri S., Paris, France. Speed-change mechanism. 1,590,427; June 29.
Deschiens, Victor, assignor to J. F. Esteban-Reynolds, Paris, France. Sporting-gun cartridge plug. 1,590,501; June 29.
Detroit Oil Burner Company. (See Crinnian, Robert, assignor.)
Dewhirst, Harry. (See Cadden, C. C., and Dewhirst.)
Dieckhoff, Emil C. (See Dieckhoff, R. H. and E. C.)
Dieckhoff, Frances. (See Dieckhoff, R. H. and E. C., assignors.)
Dieckhoff, Rudolph H. and E. C.; said E. C. Diekhoff assignor to F. Dieckhoff, Minneapolis, Minn. Lighting device for kerosene stoves. 1,590,349; June 29.
Diggins, Charles A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color indicator for weft-replenishing looms. 1,590,350; June 29.
Dixon, Ezra, Bristol, R. I. Adjusting means for weight levers. 1,590,351; June 29.
Djurson, Axel R. K., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for railway brakes and the like. 1,590,502; June 29.
Doble, Charles F., Flushing, N. Y. Dishwasher. 1,590,230; June 29.
Doble, John A., San Francisco, Calif. Boiler tube. 1,590,812; June 29.
Dodge Brothers, Inc. (See Probert, S. C. and Lamborn, assignors.)
Doncaster, Ensley J., assignor to American Manufacturing & Sales Co., Raymond, Wash. Reversible clutch mechanism. 1,590,676; June 29.
Donnald, Edgar R., et al. (See Cooley, W. E., and Ferguson, assignors.)
Donnald, Samuel F., et al. (See Cooley, W. E., and Ferguson, assignors.)
Donovan, Joseph P., Thetford Mines, Quebec, Canada. Egg-opening device. 1,590,813; June 29.
Donovan, Patrick J., New York, N. Y. Vapor closet. 1,590,289; June 29.
Dornbusch, Josef, Crefeld, Germany. Box-cover paper or similar article. Des. 70,470; June 29.
Dorrer, August, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Rhine, Germany. Manufacture of yellow azo dyestuffs. 1,590,728; June 29.
Dossert, John J., and E. E. Greaves, assignors to Crouse-Hinds Company, Syracuse, N. Y. Washing machine. 1,590,729; June 29.
Dowd, Wyllys E., jr. (See Bell, J. E., and Dowd.)
Dowler, Frank A., Alameda, Calif. Shock absorber. 1,590,565; June 29.
Downs, Charles R., Cliffside, N. J., assignor to The Barrett Company. Purification of hydrocarbons. 1,590,965; June 29.
Draper Corporation. (See Davis, Harry A., assignors.)
Draper Corporation. (See Keegan, Patrick, assignor.)
Draper Corporation. (See Stimpson, W. I., and Stafford, assignors.)
Draper Corporation. (See Willard, George H., assignor.)
Dreger, Emil E. (See Adams, R., Dreger, and Volwiler.)
Dualaxe Company, Inc. (See Clement, George A., assignor.)
Du Bois-Reymond, Alard. (See Hahnemann, W., Schenkelberger, du Bois-Reymond, and Hecht.)
Duerler, Gustave A., jr., San Antonio, Tex., assignor to A. Schrader's Son, Inc., New York, N. Y. Pressure gauge with deflator. 1,590,966; June 29.
Duff, Michael J. (See Duncan, W., and Duff.)
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio broadcasting system. 1,590,428; June 29.
Duncan, William, and M. J. Duff, Los Angeles, Calif. Sofa pillow simulating doll. 1,590,927; June 29.
Durett, Coral G., Pittsfield, Mass. Portable loud speaker. 1,590,814; June 29.
Durkee, Adelbert A., Stoneham, Mass. Shoe former. 1,590,231; June 29.
Duvall, James, Camas, Wash. Dust and insect proof package. 1,590,815; June 29.
Dvorak, Anton, Berwyn, Ill., assignor to Beardsley Chandelier Manufacturing Company, Chicago, Ill. Backplate for lighting fixtures. Des. 70,471; June 29.
Easterman, Les, Brooklyn, N. Y. Joint for glass plates. 1,590,890; June 29.
Eberhard, Charles W., Palatine, Ill., assignor to Rapid Electrotype Company. Preparing type forms. 1,590,566; June 29.
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Edwards, Charles S. (See Reese, H. D., Edwards, and Bach.)
Edwards, Curtis H. (See Dayton, F. E., and Edwards.)
Edwards, O. M., Company, Inc., The. (See Axe, Roy T., assignor.)
Egerton, Henry C., deceased, Passaic, N. J.; M. L. Egerton, executrix. Telephone receiver. 1,590,618; June 29.
Egerton, May L., executrix. (See Egerton, Henry C.)
Eglin, James M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,590,352; June 29.
Ekström, Gunnar C., assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Bringing folded outer boxes for push boxes and the like into open position. 1,590,567; June 29.
Ekstrom, Gustaf H., Rockford, assignor to C. P. Parker, trustee, Evanston, Ill. Rubbing machine. 1,590,353; June 29.
Electric Apparatus Co., The. (See McCaa, David G., assignor.)
Electro Metallurgical Co. (See Becket, Frederick M., assignor.)
Emert, Charles S., Peoria, Ill. Stripper. 1,590,429; June 29.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Making reamers. 1,590,184; June 29.
Engl, Josef, Grunewald, H. Vogt, Berlin-Schoneberg, and J. Massolle, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Light source and light-sensitive coating for phonocinematography. 1,590,185; June 29.
Englander Spring Bed Company. (See Bebry, Percival B., assignor.)
English Electric Company Limited, The. (See Rotherа, L., Carnegie, and Wilson, assignors.)
Erb, George G., New York, N. Y. Ammeter receptacle. 1,590,354; June 29.
Erby, Philip, Chicago, Ill. Spraying device. 1,590,430; June 29.
Erdman, John, Milwaukee, Wis. Lawn mower. 1,590,928; June 29.
Erickson, John, Chicago, and H. F. Obergfell, River Forrest, Ill., assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone instrument. 1,590,355; June 29.
Ericsson, Gustav E., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Sand injector. 1,590,816; June 29.
Ernst, Archie G., Anaheim, Calif. Shear sharpener. 1,590,619; June 29.
Eseman, Walter H., Los Angeles, and H. E. Strunk, Ontario, Calif., assignors to Franco-American Baking Company. Method and device for marking articles. 1,590,431; June 29.
Essex Knitting Mills. (See Schlesinger, Ike.)
Esteban-Reynolds, Joseph F. (See Deschiens, Victor, assignors.)
Evans, George S., Oak Park, Ill., assignor, by mesne assignments, to The Mathieson Alkali Works, New York, N. Y. Desulphurizing iron. 1,590,730; June 29.
Evans, George S., Oak Park, Ill. Refining of iron. 1,590,731; June 29.
Evans, George S., Oak Park, Ill., assignor to The Mathieson Alkali Works, New York, N. Y. Purification of iron. 1,590,739; June 29.
Fairbanks, E. Hayward. (See Haag, Alfred H., assignor.)
Fairchild, Roland J., Kalamazoo, Mich. Power pump. 1,590,432; June 29.
Falcon, William, Warren, Mich. Motor. 1,590,677; June 29.
Falkenberg, Wilhelm, assignor to A. Wielich, New York, N. Y. Portable X-ray apparatus. 1,590,929; June 29.
Falkenberg, Wilhelm, assignor to A. Wielich, New York, N. Y. Ultra-violet electrode. 1,590,930; June 29.
Falkenberg, Wilhelm, assignor to A. Wielich, New York, N. Y. Electrode. 1,590,931; June 29.
Falkenberg, Wilhelm, assignor to A. Wielich, New York, N. Y. Radiator sun. 1,590,932; June 29.
Famous Players-Lasky Corporation. (See Garbutt, F. E and Fear, assignors.)
Fanselow, John F., Chicago, Ill. Device for making tap connections to water mains. 1,590,186; June 29.
Farbwerke vorm. Meister Lucius & Bruning. (See Tiedtke, R., and Bertz, assignors.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,590,356; June 29.

Fear, Ralph G. (See Garbutt, F. E., and Fear.)
Federal Electric Company. (See Mars, Thomas H., assignor.)
Federal Steel Fixture Company. (See Piggot, Graham H., assignor.)
Federal Telephone Manufacturing Corporation. (See Horle, Lawrence C. F., assignor.)
Felsthamel, Frederick L., Los Angeles, Calif., assignor to J. F. Penrose, New York, N. Y. Pipe joint. 1,590,357; June 29.
Fellman, Carl M., Rosiclare, Ill. Shoe protector. 1,590,933; June 29.
Feltner, Robert J., Croswell, Mich. Vehicle for amusement parks. 1,590,934; June 29.
Fenton, Paul W., New York, N. Y., Price-exhibiting device. 1,590,967; June 29.
Ferguson, Barney L. (See Cooley, W. E., and Feguson.)
Fessenden, Reginald A., Chestnut Hill, Mass., assignor to Submarine Signal Company, Portland, Me. Acoustic method and apparatus. Re16,372; June 29.
Fetterman, Albert S., assignor to Spokane Draper Company, Dishman, Wash. Belt fastener. 1,590,433; June 29.
Fillettaz, Edmond, Geneva, Switzerland. Apparatus for indicating changes of direction for road vehicles. 1,590,817; June 29.
Finlay, William R., Victoria, British Columbia, Canada. Signal reflector. 1,590,358; June 29.
Finnegan, Mike P., Newton, Miss. Automobile tire liner. 1,590,568; June 29.
Fischer, Paul, New York, N. Y. Antislip device for vehicles. 1,590,434; June 29.
Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
Fisk Rubber Company, The. (See Marsh, Edward H., jr., assignor.)
Fisk, William J., San Francisco, Calif. Electric distributing system. 1,590,569; June 29.
Flack, Roy N., and L. D. Sturm, Portland, Oreg. Door opener. 1,590,570; June 29.
Flannery, George I. (See Highley, Fred, assignor.)
Fogarty, William J., Dayton, Ohio. Display stand. Des. 70,472; June 29.
Foley, Thomas H. (See Campion, Patrick R., assignor.)
Foose, Edward, Washington, D. C. Metal cabinet. 1,590,571; June 29.
Foote, Charles E., assignor to The Foote Company, Inc., Nunda, N. Y. Three-way valve. 1,590,359; June 29.
Foote Company, Inc., The. (See Foote, Charles E., assignor.)
Forman, Solomon, New York, N. Y. Dispensing container. 1,590,968; June 29.
Fortescue, Charles Le G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control of series-eradicator machines. 1,590,435; June 29.
Fortescue, Charles Le G., and H. G. Jungk, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined exciting and damper winding for dynamo-electric machines. 1,590,436; June 29.
Foulk, Irvin G. (See Larzelere, C. F., and Foulk.)
Fox, Richard W., Birmingham, Ala. Tube holder and protector. 1,590,969; June 29.
Franco-American Baking Company. (See Eseman, W. H., and Strunk, assignors.)
Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
Fratelli Schwarzenbach & Co. (See Zanchi, Attilio, assignor.)
Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Clip. 1,590,187; June 29.
Fredette, Alphonse, Chicago, Ill. Strainer cup for varnish and the like. 1,590,572; June 29.
Freeborough, Henry, Fort Scott, Kans. Kiln. 1,590,935; June 29.
Freedette, Peter, et al. (See Bennett, Orin, assignor.)
Fremon, Jules A., Leeper, Mo. Tumbler lock. 1,590,232; June 29.
French Brothers Bauer Company, The. (See Lanier, Lewis H., assignor.)
French, Wanda. (See Burns, G. J., and Best, assignors.)
Freund, Adam, et al. (See Randall, William A., assignor.)
Freund, Henry, et al. (See Randall, William A., assignor.)
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix for typographical machines. 1,590,936; June 29.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix-distributing mechanism for typographical machines. 1,590,937; June 29.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix distributor for typographical machines. 1,590,938; June 29.
Frick, Frederick F., Anaconda, Mont. Filter. 1,590,233; June 29.
Fritz, Josef, Dresden-Strehlen, assignor to Sachsenwerk, Licht- und Kraft-Aktiengesellschaft, Niedersedlitz, Dresden, Saxony, Germany. Apparatus for measuring electric currents. 1,590,970; June 29.
Frye, Ray F., and F. H. Chatterton, Cleveland, Ohio. Toy. 1,590,573; June 29.
Fuhrmann, Warren, Westfield, assignor to The Furnell Manufacturing Corp., Newark, N. J. Condenser for electric circuits. 1,590,678; June 29.
Fulton Company, The. (See Giesler, Jean V., assignor.)
Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Gantry crane. 1,590,990; June 29.
Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Continuous-burning hood. 1,590,991; June 29.
Funnell, Harry M., New Market, N. J. Universal joint. 1,590,992; June 29.
Furnell Manufacturing Corp., The. (See Fuhrmann, Warren, assignor.)
Gallon Metallic Vault Company, The. (See Gay J. C., Smith, and Quirk, assignors.)
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for assembling sheet material. 1,590,360; June 29.
Gans, Otto, Waltershausen, Germany. Walking doll with voice. 1,590,437; June 29.
Gairing, Emil, Detroit, Mich. Counterboring tool. 1,590,679; June 29.
Garbutt, Frank E., and R. G. Fear, Los Angeles, Calif., assignors to Famous Players-Lasky Corporation. Shutter-control device for motion-picture machines. 1,590,361; June 29.
Gates, Louis W., assignor to C. Cowles & Company, New Haven, Conn. Connecting latch handles and shanks. 1,590,680; June 29.
Gay, John C., R. E. Smith, and H. J. Quirk, assignors to The Gallon Metallic Vault Company, Gallon, Ohio. Power-dump body. 1,590,234; June 29.
Gearon, Michael V., Chicago, Ill. Metal crosstie. 1,590,235; June 29.
Gebrüder Hardy Maschinenfabrik und Giesserei A. G. (See Rihosek, J., and Leuchter, assignors.)
Gehbauer, Henry, Marshall, Tex. Quick-opening water-glass valve. 1,590,818; June 29.
Geissen, Carl. (See Lasche, O., and Geissen.)
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus and process for making sheet glass. 1,590,819; June 29.
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,590,820; June 29.
Gemmer Manufacturing Company. (See Ragan, Frederick B., assignor.)
General Motors Corporation. (See Schmidt, Frank W., assignor.)
General Motors Research Corporation. (See Hunt, John H., assignor.)
General Motors Research Corporation. (See King, Jesse G., assignor.)
General Motors Research Corporation. (See Wallace, Hugh, assignor.)
General Reduction, Gas & By-Products Company. (See Broome, Ernest L., assignor.)
Gernsback, Hugo, New York, N. Y. Crystal detector. 1,590,236; June 29.
Gevaert Photo Producten: N. V. (See Kuypers, Hendrik, assignor.)
Gibson, Robert D., Rahway, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission regulation. 1,590,362; June 29.
Giesler, Jean V., assignor to The Fulton Company, Knoxville, Tenn. Making tubular corrugated walls. 1,590,237; June 29.
Gignoux, John R., and T. Severns, Long Beach, assignors to Shell Company of California, San Francisco, Calif. Counterbalance hook-off for oil-pumping equipment. 1,590,438; June 29.
Gillen, Daniel A. (See Seymour, F. W., and Gillen.)
Gillette, George K., Pembroke, Mass. Brake or clutch band lining. Re16,369; June 29.
Gilman, George H., Boston, Mass. Traction mechanism. 1,590,238; June 29.
Gilman, George H., Belmont, Mass. Rock-drill support. 1,590,239; June 29.
Gilmer, Clara. (See Britton, Francis J., assignor.)
Glaske, Carl, San Francisco, Calif. Removable dental bridge. 1,590,363; June 29.
Gleason Works. (See Logue, Charles H., assignor.)
Gleason Works. (See Trbojevich, Nikola, assignor.)
Goddard, James W., assignor to Nettlefold & Sons, Limited, London, England. Ice-cream freezer. 1,590,939; June 29.
Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Paneled reflector. 1,590,740; June 29.
Goetze, Otto, Frankfort-on-the-Main, Germany. Method of and apparatus for producing sharp Röntgen images. 1,590,971; June 29.
Goldstein, Charles, Chicago, Ill. Cover for bridge score. Des. 70,473; June 29.
Good, David H., assignor of one-third to D. C. Lane, Kansas City, Mo. Airship. 1,590,741; June 29.
Goodfellow, William, Oakland, Calif. Internal-combustion engine. 1,590,574; June 29.
Goodrich, B. F., Company, The. (See Cadden, C. C., and Dewhirst, assignors.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)

Goodrich, B. F., Company, The. (See Haren, Urban, assignor.)
Goodwin, Ernest G., Brooklyn, assignor to Standard Coupler Co., New York, N. Y. Draft rigging for railway cars. 1,590,620; June 29.
Gordon, Henry F., Chicago, Ill. Economizer for internal-combustion engines. 1,590,503; June 29.
Gorton, George, Racine, Wis. Chair for machine operators. 1,590,240; June 29.
Gottesburen, Henry L., and J. P. Joyce, Kansas City, Kans. Sanitary built-in clean out. 1,590,504; June 29.
Goulding, Benjamin J. J., Altrincham, assignor to Linotype and Machinery Limited, London, England. Rotary web offset printing machine. 1,590,742; June 29.
Granstrom, Erhard E., Astoria, Oreg. Combination bevel and level. 1,590,575; June 29.
Grant, Harry L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric blasting cap. 1,590,364; June 29.
Grasselli Dyestuff Corporation. (See Ballauf, F., Muth, and Schmelzer, assignors.)
Grasselli Dyestuff Corporation. (See Herz, R., and Brunner, assignor.)
Greaves, Edwin E. (See Dossert, J. J., and Greaves.)
Green, Walter R., Chicago, Ill. Adjustable luggage carrier and trunk rack. 1,590,972; June 29.
Grimm, Arthur W., assignor of one-half to F. D. Phillips, Nogales, Ariz. Main drain. 1,590,365; June 29.
Grimm, Paul H., Glen Cove, and F. L. Cocks, Brooklyn, assignor to Arbuckle Brothers, New York, N. Y. Package-wrapping machine. 1,590,366; June 29.
Grimm, Paul H., Glen Cove, and F. L. Cocks, Brooklyn, assignors to Arbuckle Brothers, New York, N. Y. Label-applying mechanism. 1,590,367; June 29.
Grimme, Natalis & Co., Aktiengeselischaft. (See Wernecke, Otto, assignor.)
Grover, Percy C., Birmingham, Ala. Wheel puller. 1,590,973; June 29.
Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sounding reed. 1,590,188; June 29.
Grzeszkiewicz, Felix, Milwaukee, Wis. Ironing board. 1,590,241; June 29.
Gunderson, Gilbert S., Clarensholm, Alberta, Canada. Rope-making machine. 1,590,576; June 29.
Haag, Alfred H., Baltimore, Md., assignor of one-fourth to E. H. Fairbanks, Camden, N. J. Radiotable. Des. 70,474; June 29.
Haag, Alfred H., Baltimore, Md., assignor of one-fourth to E. H. Fairbanks, Camden, N. J. Radiotable. Des. 70,475; June 29.
Haase, Herman G., Minneapolis, Minn. Revolving explosive engine. 1,590,368; June 29.
Hachmann, Frederick. (See Sinning, Frank R., assignor.)
Hadley Company, The. (See Mealy, Charles A., assignor.)
Hahnemann, Walter, Kitzeberg, near Kiel, H. Hecht, Kiel, and F. Schenkelberger and A. du Bois-Reymond, Plon, near Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Device for preventing undesired vibrations in sound-signaling apparatus. 1,590,369; June 29.
Hall, Charles G., Portland, Oreg. Headlight projector. 1,590,993; June 29.
Hall, Charles L. (See Collier, Robert, assignor.)
Hall, Dale C., U. S. Army. Sheel or projectile of the armor-piercing type. 1,590,290; June 29.
Hall, John G. S., Chicago, Ill. Weather strip. 1,590,974; June 29.
Hall and Stells Limited. (See Stell, A. and J., and Welch, assignors.)
Hallett, Fred N., Seattle, Wash. Gas engine. 1,590,940; June 29.
Hallquist, Zacheus, Oakland, Calif. Washing machine. 1,590,370; June 29.
Hamblin, Walter L., Pisgah, Iowa, assignor of one-fourth to M. S. Van Eaton and one-fourth to C. S. Van Eaton. Cultivator shield. 1,590,941; June 29.
Hamburger & Co. Gesellschaft mit beschränkter Haftung. (See Liebers, Hugo, assignor.)
Hamilton, Harry A., Peoria, Ill. Advertising-display device for vehicle wheels. 1,590,189; June 29.
Hamilton, William F., Ventura, Calif. Corn header. 1,590,577; June 29.
Hanff, Max, assignor to the Firm Alwin Berger, Berlin, Germany. Drilling head. 1,590,681; June 29.
Hanna, Richard W., and W. D. Mason, Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for determining the level of heated liquid in a vessel containing both the liquid and its vapor. 1,590,505; June 29.
Hanson, C. H., Company. (See Hasselquist, Hugo S., assignor.)
Hanstine, Harry S., Meadville, assignor of one-half to J. F. Albert, Sharon, Pa. Toy motion-picture machine. 1,590,743; June 29.
Harding, Dana E. (See Wright, W. C., and Harding.)
Harding Engineering Company. (See Wright, W. C., and Harding, assignors.)
Haren, Urban, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for edging fabric strips with rubber. 1,590,371; June 29.
Harold, Charles H. H., Aldershot, assignor to United Water Softeners, Limited, London, England. Preparation of sterilizing agents, germicides, and the like. 1,590,372; June 29.
Harper, Ernest H., Oakland, Calif. Boat. 1,590,975; June 29.
Harris, Columbus W., and J. M. Reynolds, South Bend, Tex. Oil dispenser. 1,590,578; June 29.
Harris, Edward M., Riverside, N. J. Combination container. 1,590,942; June 29.
Harris, Eston C. (See Kuhn, H. J., and Harris.)
Harris, Joseph B., assignor to The Harris Spring Brake Company, Cleveland, Ohio. Vehicle spring controller. 1,590,579; June 29.
Harris, Lewis F., Jersey City, N. J. Roll holder. 1,590,943; June 29.
Harris Spring Brake Company, The. (See Harris, Joseph B., assignor.)
Hart, William P., Southbridge, Mass. Receptacle closure. 1,590,682; June 29.
Hartford-Empire Company. (See Bridges, Orville A., assignor.)
Hasselquist, Hugo S., Fort Madison, Iowa, assignor to C. H. Hanson Company, Chicago, Ill. Combination seal. 1,590,976; June 29.
Hatch, Arthur G., Duluth, Minn. Concrete tile. 1,590,744; June 29.
Hathaway, Edgar F., Wellesley, Mass., assignor to Barber-Colman Company, Rochford, Ill. Warp-drawing machine. 1,590,621; June 29.
Hawkes, Arthur G., Chicago, Ill., assignor to The Pullman Company. Coupler-pin lift. 1,590,291; June 29.
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Magneto. 1,590,506; June 29.
Hazel-Atlas Glass Co. (See Stenhouse, T. and D., assignors.)
Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Ignition element. 1,590,891; June 29.
Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Ignition system. 1,590,892; June 29.
Heany Laboratories, Inc. (See Heany, John A., assignor.)
Heath, Herbert M., Augusta, Me. Collapsible tube. 1,590,822; June 29.
Hearttagen, John, assignor of one-half to J. F. Custard, Allentown, Pa. Nonskid automobile creeper. 1,590,944; June 29.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Chemical Construction Company, New York, N. Y. Apparatus for producing sulphurous acid gases. 1,590,622; June 29.
Hecht, Heinrich. (See Hahnemann, W., Schenkelberger, du Bois-Reymond, and Hecht.)
Heim Grinder Company, The. (See Heim, Lewis R., assignor.)
Heim, Lewis R., assignor to The Heim Grinder Company, Danbury, Conn. Grinding. 1,590,190; June 29.
Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Tumbler. Des. 70,476; June 29.
Helbronner, André. (See Pipereaut, P., and Helbronner.)
Helfrich, George N., Richmond Hill, assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display container. 1,590,683; June 29.
Helimund, Rudolf E., Swissvale, Pa. Control and equalizing system. 1,590,507; June 29.
Helimund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission system. 1,590,508; June 29.
Hendry, William F., Ossining, and C. J. Nelson, assignors by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Flash light. 1,590,624; June 29.
Henderson, James B., Lee, England. Preventing the angular motion of bodies. 1,590,977; June 29.
Hendrick-Collette, Oscar P. D., Brussels, Belgium. Mop-frame structure. 1,590,684; June 29.
Hendry, William F., Ossining, and C. J. Nelson, assignors by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Flash light. 1,590,624; June 29.
Hendry, William F., Ossining, and C. J. Nelson, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Flash light. 1,590,625; June 29.
Hepworth, S. S., Company. (See Olcott, Charles A., assignor.)
Herndon, Henry A., and F. H. Riester, assignors to The Bradford Corporation, Chicago, Ill. Truck bolster. 1,590,745; June 29.
Herz, Richard, and W. Brunner, Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Violet vat dyestuffs of the 2-thionaphthene-2-indolindigo series. 1,590,685; June 29.
Hewitt, Frank W., Arlington, assignor to Simplex Electric Heating Company, Boston, Mass. Electric connecter plug. 1,590,823; June 29.
Hibbard, Lloyd J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,590,509; June 29.
Highley, Fred, assignor of one-half to G. I. Flannery, Pasadena, Calif. Tube holder and contents dispenser. 1,590,626; June 29.

Hill, Frank. (See Kammerer, G., and Hill.)
Hill, Julian P., Hamburg, N. Y. Burial casket. 1,590,824; June 29.
Hill, Thomas A. (See Taylor, E., Chandler, and Hill.)
Hill, Thomas A., Brooklyn, assignor to Taylor Laboratories Inc., New York, N. Y. Manufacture of cellulose. 1,590,595; June 29.
Hinderliter, Frank J., Tulsa, Okla. Eccentric combination socket. 1,590,510; June 29.
Hirshfield, Maurice W., New York, N. Y. Sound conveyer. 1,590,627; June 29.
Hochmuth, Otto. (See Altgelt, H., and Hochmuth.)
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Humidifier. 1,590,893; June 29.
Hoffman, Andrew, Mfg. Co. (See Bock, Charles S., assignor.)
Hogan, John M., Omaha, Nebr. Whist indicator. Des. 70,477; June 29.
Holbeck, Austin A., Cleveland, Ohio. Furnace. 1,590,373; June 29.
Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,590,511; June 29.
Hollandsworth, George W., Knox, Ind. Plow. 1,590,191; June 29.
Holte, Harold O., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,590,825; June 29.
Höltermand, Jens, Aarhus, Denmark. Sewing two articles together. 1,590,686; June 29.
Höltermand, Jens, Aarhus, Denmark. Device for counting articles of different kinds. 1,590,687; June 29.
Honeyman, Ephraim, assignor to Chain Belt Company, Milwaukee, Wis. Liquid screen for industrial purposes. 1,590,688; June 29.
Hood, Arthur M., Indianapolis, Ind. Excavator. 1,590,192; June 29.
Hood, Arthur M., Indianapolis, Ind. Excavator. 1,590,193; June 29.
Hopkins, Charles L., River Forest, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Combination electrical connecter and fixture-supporting device. 1,590,512; June 29.
Hoppmann, Georg P., Brooklyn, N. Y. Bobbed-hair holder. 1,590,746; June 29.
Hopwood, Frank L., London, England, assignor to Submarine Signal Company, Portland, Me. Sound screen. 1,590,689; June 29.
Horle, Lawrence C. F., Newark, N. J., assignor to Federal Telephone Manufacturing Corporation, Buffalo, N. Y. Radio transmission system. 1,590,374; June 29.
Howard, Elbert G., assignor of one-fourth to J. B. Nichollc and one-tenth to E. M. Lelless, Denver, Colo. Toy trackway. 1,590,242; June 29.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine and pattern mechanism. 1,590,295; June 29.
Howie, Kenneth, Norristown, and W. O. Taylor, Limerick, assignors to William Mfg. Co., Norristown, Pa. Pattern mechanism for knitting machines. 1,590,292; June 29.
Howse, Curtis L., assignor to Craig Damper Regulator Company, Detroit, Mich. Electrical control system. 1,590,194; June 29.
Hrebenyar, John. (See Brown, H. E., and Hrebenyar.)
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Container. 1,590,747; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Reenforced container. 1,590,748; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to Master Package Corporation of Delaware. Method of making containers. 1,590,749; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Coporation of Delaware. Making containers. 1,590,750; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Fiber container. 1,590,751; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Fiber container. 1,590,752; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Making reenforced closures. 1,590,753; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Making container closures. 1,590,754; June 29.
Hulbert, Edwin F., Milwaukee, assignor to The Master Package Corporation, Owen, Wis. Reenforced-fiber container closure and making the same. 1,590,755; June 29.
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Dished-head container. 1,590,756; June 29.
Hulbert, Edwin F., Milwaukee, assignor to The Master Package Corporation, Owen, Wis. Making containers. 1,590,757; June 29.
Hulett, Frank E., East Cleveland, assignor to The Alliance Machine Company, Alliance, Ohio. Material-handling apparatus. 1,590,826; June 29.
Hulse, George E., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Cooling apparatus. 1,590,513; June 29.
Hulse, George E., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Cooling apparatus. 1,590,514; June 29.
Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-feed control for rock drills. 1,590,243; June 29.
Hume Pipe Company (Australia) Limited. (See Hume, Walter R., assignor.)
Hume, Walter R., assignor to Hume Pipe Company (Australia) Limited, Melbourne, Victoria, Australia. Pipe joint. 1,590,580; June 29.
Humphrey, Herbert S., Kalamazoo, Mich., assignor to Ruud Manufacturing Co., Pittsburgh, Pa. Water heater. 1,590,515; June 29.
Humphrey, Herbert S., Kalamazoo, Mich. Valve mechanism. 1,590,516; June 29.
Hunt, John H., assignor to General Motors Research Corporation, Dayton, Ohio. Ignition system. 1,590,827; June 29.
Hurd, William B., Mukilteo, Wash. Automatic door closer and lock. 1,590,690; June 29.
Hvlid, Henry W., and J. A. Jensen, Copenhagen, Denmark. Mud guard for motor cars. 1,590,375; June 29.
Hyatt, Samuel W., assignor, by mesne assignments, to Indiana Lamp Corporation, Connersville, Ind. Lamp mounting. 1,590,376; June 29.
I. G. Farbenindustrie Aktiengesellschaft. (See Dorrer, August, assignor.)
Ideal Auto Lock Manufacturing Company. (See Lockyer, Frank, assignor.)
Ideal Roller and Manufacturing Co. (See Linder, Oscar, assignor.)
Ihrig, Harry R., Peru, Ill. Traffic signal for automobiles. 1,590,828; June 29.
Illmer, Louis, Cortland, N. Y. Fuel pump for internal-combustion engines. 1,590,244; June 29.
Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
Ingersoll-Rand Company. (See Bayles, L. C., and Slater, assignors.)
Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
Ingersoll-Rand Company. (See Le Valley, John, assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Ingersoll-Rand Company. (See Tuttle, Grover G., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Irle, René A., Bordeaux, France. Heating apparatus. 1,590,581; June 29.
Isomura, Kotaro. (See Mii, Tsuguyoshi, assignor.)
Ives, Harry C., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Contact for toy railway locomotives. 1,590,628; June 29.
Ives Manufacturing Corporation. (See Ives, Harry C., assignor.)
Izard, Henry, Mobile, Ala. Spring retarder. 1,590,691; June 29.
Jackson, Maunsell B., Toronto, Ontario, Canada. Engine starter. 1,590,758; June 29.
Jackson, Maunsell B., Toronto, Ontario, Canada. Engine starter. 1,590,759; June 29.
Jackson, Robert H., Willington, S. C. Skimming evaporator. 1,590,945; June 29.
Jacobs, Mayheit, Oakland, Calif. Pipe-thread protector. 1,590,517; June 29.
Jarvis, Joseph A., Plainfield, Conn. Loom shuttle. 1,590,829; June 29.
Jensen, Julius A. (See Hvild, H. W., and Jensen.)
Jewell Electrical Instrument Co. (See Simpson, Ray, assignor.)
Jewell, William M., assignor to Chlorine Products Company, Chicago, Ill. Apparatus for compressing gas. 1,590,518; June 29.
Jewkes, Spencer, Sydney, New South Wales, Australia. Pneumatic lifting jack. 1,590,830; June 29.
Johnson, Frank L., Akron, Ohio. Tire-vulcanizing mold. 1,590,377; June 29, 1926.
Johnson, Nels O., and E. C. Anderson, Kenyon, Minn. Tractor hitch. 1,590,582; June 29.
Jones, Anna B., Mobile, Ala. Christmas toy. 1,590,519; June 29.
Jones, Harry S., Chicago, Ill. Posting tray. 1,590,520; June 29.
Jones, Louis W., New York, N. Y. Egg beater and drink mixer. 1,590,831; June 29.
Jones, William I. (See Olssen, N. A., and Jones.)
Jordan, John G., Chicago, and J. O. Taylor, Oak Park, assignors to Kroehler Mfg. Co., Naperville, Ill. Upholstering press. 1,590,979; June 29.
Joseph, Henry, Pittsburgh, assignor to United States Sand Paper Company, Williamsport, Pa. Sheet abrasive material. 1,591,001; June 29.
Joyce, John P. (See Gottesburen, H. L., and Joyce.)

Julius, Frederic S., Evanston, Ill. Cover for doorknobs. 1,590,629; June 29.
Jungk, Herbert G. (See Fortescue, C. L. G., and Jungk.)
Juretzka, Franz, Breslau, Germany. Condensing apparatus in connection with an electric furnace for the production of volatile metals. 1,590,521; June 29.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,590,832; June 29.
Kaiser, Charles G., Portland, Oreg. Furnace. 1,590,379; June 29.
Kalserman, Jacob R., Livingston, Mont. Attachment for adding machines. 1,590,946; June 29.
Kahn, Otto, Baltimore, Md. Punch and die for cutting angle and T irons. 1,590,833; June 29.
Kalamazoo Loose Leaf Binder Company. (See Wigginton, George P., assignor.)
Kalle & Co. Aktiengesellschaft. (See Altgelt, H., and Hochmuth, assignors.)
Kalman, Mabelle G., Rock Island, Ill. Child's bed cover. 1,590,522; June 29.
Kammerer, George, Whittier, and F. Hill, assignors to Spengler Core Drilling Company, Los Angeles, Calif. Rotary core drill. 1,590,378; June 29.
Kammritz, Arthur E., Hartford, Conn. Headlight indicator. 1,590,947; June 29.
Kane, Peter W., assignor to T. C. Kane, Chicago, Ill. Watchman's time-recording clock. 1,590,630; June 29.
Kane, Thomas C. (See Kane, Peter W., assignor.)
Kaye, John A., Sault Ste. Marie, Ontario, Canada. Tree-notch device. 1,590,464; June 29.
Keegan, Patrick, Fall River, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,590,760; June 29.
Keel, Glen I., Indianapolis, assignor of one-half to Moore Brothers Company, Rochester, Ind. Reproducing pictures. 1,590,280; June 29.
Kell, Otto, Des Moines, Iowa. Making artificial marble and stone. 1,590,523; June 29.
Kellogg, Leroy D., Deerfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition system. 1,590,631; June 29.
Kellogg Switchboard and Supply Company. (See Kellogg, Leroy D., assignor.)
Kelly, Thomas J., Virginia, Minn. Heating device. 1,590,948; June 29.
Kennell, Henry, New York, N. Y. Self-closing and positive gas cut-off valve. 1,590,761; June 29.
Kerr, Benjamin W., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. Insulator cap. 1,590,381; June 29.
Kerr, Harry E., assignor to The Cleveland Gas Burner and Appliance Company, Cleveland, Ohio. Gas burner for heating purposes. 1,590,195; June 29.
Keydel, Oscar F., Detroit, Mich. Musical ornament for Christmas trees. 1,590,524; June 29.
Kichline, Frank O., Lebanon, Pa., assignor to Bethlehem Steel Company. Extracting nickel and cobalt from ferruginous oils. 1,590,525; June 29.
Killinger, Joseph A., and A. W. Bean, Washington, D. C. Trunk support and guide. 1,590,894; June 29.
King, Jesse G., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Sealing drive. 1,590,834; June 29.
King, Robert N., East Cleveland, Ohio. Foot rest. 1,590,382; June 29.
Kinney, Edward D., Twin Falls, Idaho. Highway construction. 1,590,526; June 29.
Kipp, Albert. (See Williams, A. G., and Kipp.)
Kirsch, George H., Larkspur, Calif. Pulp-forming machine. 1,590,383; June 29.
Klaus, Fred R., assignor to American Welding and Manufacturing Company. Warren, Ohio. Rim. 1,590,762; June 29.
Klees, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. Flotation agent. 1,590,196; June 29.
Klein, Louis, and J. Papke, Moberly, Mo. Adjustable rack. 1,590,296; June 29.
Klemm, William J., assignor to Ruda Manufacturing Company, Chicago, Ill. Window structure. 1,590,763; June 29.
Klinkosh, Benjamin J., Milwaukee, Wis. Fluid coupling. 1,590,465; June 29.
Knights of the Ku Klux Klan. (See Simmons, William J., assignor.)
Knox, Samuel L. G., New York, N. Y. Apparatus for sighting guns. 1,590,835; June 29.
Koenig, Harry A., Philadelphia, Pa. Vapor sadiron. 1,590,245; June 29.
Kohlenveredlung G. m. b. H. (See Lasche, O., and Geissen, assignors.)
König, Julius, Budweis, Czechoslovakia. Lock. 1,590,297; June 29.
Koski, Edward, Brooklyn, N. Y. Dirigible headlight. 1,590,527; June 29.
Kopel, Oscar, New York, N. Y. Sandwich tray. Des. 70,478; June 29.
Kopel, Oscar, New York, N. Y. Sandwich tray. Des. 70,479; June 29.
Kopel, Oscar, New York, N. Y. Sandwich tray. Des. 70,480; June 29.
Kopel, Oscar, New York, N. Y. Sandwich tray. Des. 70,481; June 29.
Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Mechanical movement. 1,590,246; June 29.
Krieble, Charles C., assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,590,293; June 29.
Krieble, Charles C., assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,590,294; June 29.
Krochler Mfg. Co. (See Jordan, J. G., and Taylor, assignors.)
Krupp, Louis, New York, N. Y. Transmission. 1,590,949; June 29.
Kucher, Andrew A., Chester, Pa. Refrigerating apparatus. 1,590,384; June 29.
Kuhn, Harry J., Middletown, and E. C. Harris, Monticello, N. Y. Filter device. 1,590,950; June 29.
Kunstharzfabrik Regal & Co. (See Singer, Rudolf, assignor.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,590,632; June 29.
Kuypers, Hendrik, Vieux Dieu, Anvers, assignor to Gevaert Photo Producten: N. V., Oude-God, near Antwerp, Belgium. Cinematographic or like film. 1,590,979; June 29.
Lacey, James D. (See Sunderman, Frederick R., assignor.)
Lake, Vincent F., Demarest, N. J., assignor to Slate Veneer Company, Incorporated, New York, N. Y. Slate-splitting machine. 1,590,385; June 29.
Lamb, David C., Ann Arbor, assignor of one-half to A. Carey, Detroit, Mich. Supporting device. 1,590,980; June 29.
Lamb, Harold S., Los Angeles, Calif. Vaporizer. 1,590,764; June 29.
Lamborn, Frederick J. (See Probert, S. C., and Lamborn.)
Lane, David C. (See Good, David H., assignor.)
Lang, W. E., et al. (See Russell, S. Harry, assignor.)
Lauder, Lewis H., Newport, Ky., assignor to The French Brothers Bauer Company, Cincinnati, Ohio. Ice-cream cone. Des. 70,482; June 29.
Landis, Richard P., La Grande, Oreg. Toilet-seat operating and cushioning device. 1,590,298; June 29.
Lansing, Raymond P., Montclair, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Reduction gearing. 1,590,528; June 29.
Larzelere, Charles F., and I. G. Foulk, Flint, Mich. Casting bait. 1,590,529; June 29.
Lasche, Fritz, executor. (See Lasche, O., and Geissen.)
Lasche, Oskar, deceased; F. Lasche, executor, Berlin-Charlottenburg, and C. Geissen, Berlin-Schoneberg, assignors to Kohlenveredlung G. m. b. H., Berlin, Germany. Distillation of solid material. 1,590,895; June 29.
Lavallee, Emery A., assignor to American Optical Company, Southbridge, Mass. Honing device. 1,590,386; June 29.
Lawton, John E., Coudersport, Pa. Spinning filer. 1,590,387; June 29.
Lebrecht, Charles E., Oakland, Calif. Flytrap. 1,590,439; June 29.
Lee, Frank M., Chicago, Ill., assignor to Sullivan Machinery Company. Forging mechanism. 1,590,583; June 29.
Lee, Mary L., Louisville, Ky. Bread and pastry implement. 1,590,633; June 29.
Leidecker, John F., Alameda, Calif. Paper dispenser. 1,590,530; June 29.
Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 70,483; June 29.
Lelless, E. M., et al. (See Howard, Elbert G., assignor.)
Lemaître, Paul J., Abbeville, France. Apparatus for the hydraulic unloading of material. 1,590,531; June 29.
Lenonvel, Leon, Bihorel-Rouen, France. Method and arrangement for the examination and the regulation of optical systems. 1,590,532; June 29.
Lepetit, Roberto, Milan, Italy. Manufacture of dry products from pancreas. 1,590,388; June 29.
Leuchter, Richard L. (See Rihosek, J., and Leuchter.)
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Heat exchanger. 1,590,247; June 29.
Lewis, Harvey H., Atchison, Kans., and F. P. McBerty, A. V. Cutler, and E. B. Rausch, Warren, Ohio, assignors to Henry Weis Manufacturing Company, Atchison, Kans. Making metallic doors or the like. 1,590,836; June 29.
Lewis, Varnum S., Philadelphia, Pa. Kitchen cabinet. 1,590,692; June 29.
Lichtenstein, William C. (See Roberts, Isaiah L., assignor.)
Liddell, Charles B., Dorney Reach, near Taplow, England. Apparatus for aerating liquids. 1,590,299; June 29.
Liebers, Hugo, assignor to Hamburger & Co. Gesellschaft mit beschränkter Haftung, Fulnek, Czechoslovakia. Preparation of cheese having an increased or supplemented vitamine content. 1,590,837; June 29.
Lighting Appliance Co. Inc. (See Siptrott, Paul, assignor.)
Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Boiler-soot cleaner. 1,590,300; June 29.
Lindenlauf, Joseph, assignor of three-eighths to H. Stratman and two-eighths to H. M. Aronson, Pittsburgh, Pa. Rolled-metal piling. 1,590,301; June 29.

Lindenlauf, Joseph, assignor of three-eights to H. Stratman and two-eights to H. M. Aronson, Pittsburgh, Pa. Sheet-metal piling. 1,590,302; June 29.
Linder, Oscar, assignor to Ideal Roller and Manufacturing Co., Chicago, Ill. Molding articles. 1,590,765; June 29.
Linga Company, The. (See Linga, Torbjörn, assignor.)
Linga, Torbjörn, assignor to The Linga Company, Waukegan, Ill. Carburetor thermostatic needle valve. 1,590,197; June 29.
Link-Belt Company. (See Oukes, Frank J., assignor.)
Lindstadt, Frank W., Los Angeles, Calif. Safety device for searchlights. 1,590,896; June 29.
Linotype and Machinery Limited. (See Banks, John N., assignor.)
Linotype and Machinery Limited. (See Goulding, Benjamin J. J., assignor.)
Lipman, Carl E. L., assignor to Lipman Refrigeration Company, Beloit, Wis. Compressor. 1,590,766; June 29.
Lipman Refrigeration Company. (See Lipman, Carl E. L., assignor.)
Liquidometer Company. (See de Glers, Clarence A., assignor.)
Lizenby, Bernard C. (See Swearingen, Alfred R., assignor.)
Lockyer, Frank, Salt Lake City, Utah, assignor to Ideal Auto Lock Manufacturing Company. Locking device for ignition switches. 1,590,981; June 29.
Logan, John E., Washington, D. C. Centrifugal gold-extracting machine. 1,590,584; June 29.
Logue, Charles H., Syracuse, assignor to Gleason Works, Rochester, N. Y. Machine and method for producing gears. 1,590,466; June 29.
Lokey, Milton A., Clay County, Ga. Fertilizer mixer. 1,590,634; June 29.
London, Jacob M., Brookville, Pa., assignor to Sullivan Machinery Company, Claremont, N. H. Mining machine. 1,590,585; June 29.
Longenecker, Levi S., Pittsburgh, Pa. Refractory block used in building metallurgical furnaces. 1,590,303; June 29.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,590,838; June 29.
Lucas, Samuel M., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,590,839; June 29.
Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Continuous static dynamic balance-testing machine. 1,590,840; June 29.
Lush, Ernest J., assignor to Technical Research Works Limited, London, England. Production of metallic catalysts. 1,590,897; June 29.
Lykken, Henry G. (See Wilson, W. E., and Lykken.)
Machado, Louis, Hingham, Mass. Motor-vehicle-heating attachment. 1,590,248; June 29.
MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Burner for electric ranges. 1,590,468; June 29.
Mäder, Otto, Emmendingen, Germany. Turntable for portable railways. 1,590,534; June 29.
Madison-Kipp Corporation. (See Korsmo, Torbjorn C., assignor.)
Madsen, Peter, Rantoul, Ill. Soldering iron. 1,590,535; June 29.
Magers, Aloysius E., Denver, Colo., assignor to San-A-Ham Company, Fort Wayne, Ind. Manufacturing meat products. 1,590,306; June 29.
Mahan, Frederic O., Eugene, Oreg. Overalls. 1,590,843; June 29.
Mahoney, Jeremiah L., New Haven, assignor to The Canfield Rubber Company, Bridgeport, Conn. Mold for making hollow rubber articles. 1,590,765; June 29.
Manchester, Samuel, Plensant Valley, Conn. Car lock. 1,590,307; June 29.
Marathon Company. (See Wojciechowski, Frank M., assignor.)
Marengo, Simon, Berkeley, assignor to Alexander L. Daniele, San Francisco, Calif. Portable stand. 1,590,637; June 29.
Markem Machine Company. (See Putnam, Fred A., assignor.)
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Controlling the temperature of rubber-working rolls. 1,590,638; June 29.
Mars, Thomas H., assignor to Federal Electric Company, Chicago, Ill. Gearing. 1,590,536; June 29.
Marsh, Edward H., jr., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for use in inspecting tires. 1,590,639; June 29.
Marsh, Gilbert, Haymarket, London, England. Golf clubs, cricket bats, and other striking implements used in games. 1,590,469; June 29.
Marshall, Field & Company. (See Nelson, Daniel, assignor.)
Martin, Frederick W., Brooklyn, N. Y., assignor to Franklin Railway Supply Company. Furnace door. 1,590,769; June 29.
Mason, William D. (See Hanna, R. W., and Mason.)
Massolle, Joseph. (See Engl, J., Vogt, and Massolle.)
Master Package Corporation of Delaware. (See Hulbert, Edwin F., assignor.)
Master Package Corporation, The. (See Hulbert, Edwin F., assignor.)
Mathieson, Alkali Works, The. (See Evans, George S., assignor.)
McAuley, Claire P., assignor of one-half to R. K. Morris and one-half to J. H. Boulieste, Los Angeles, Calif. Doll. 1,590,898; June 29.
McBerty, Fred P. (See Lewis, H. H., McBerty, Cutler, and Rausch.)
McCaa, David G., Lancaster, assignor to The Electric Apparatus Co., Parkesburg, Pa. Radio system. 1,590,198; June 29.
McCaa, David G., Lancaster, assignor to The Electric Apparatus Co., Parksburg, Pa. Radio system. 1,590,635; June 29.
McCarrell, William A., Milwaukee, Wis. Transmission-clutch mechanism. 1,590,304; June 29.
McConnell, John R., Whittier, Calif. Treating hydrocarbons. 1,590,841; June 29.
McCullough, Frederick S., Wilkinsburg, Pa. Space-discharge device. 1,590,467; June 29.
McDonald, Edward J., Los Angeles, Calif. Camp kit. 1,590,586; June 29.
McDonnell, George P., St. Louis, Mo. Appnratus for reproducing motion pictures. 1,590,199; June 29.
McFarland, Frank, Mexico, Mo. Pneumatic alleviator for hydraulic pumps. 1,590,587; June 29.
McGregor, David R., assignor to The McSavaney Company, Springfield, Ohio. Mounting for electric-light bulbs. 1,590,249; June 29.
McGuckin, John J., Brooklyn, N. Y. Socket wrench. 1,590,200; June 29.
McGuckin, John J., Brooklyn, assignor to L. Schwab, doing business under the name of Stevens & Company, New York, N. Y. Rotatable cutting tool. 1,590,201; June 29.
McKeefrey, Elvira C., Brooklyn, assignor to Model Brassiere Co., Inc., New York, N. Y. Brassière. 1,590,693; June 29.
McKinnon, Lemuel, Salt Lake City, Utah. Resilient tire. 1,590,533; June 29.
McLaren, William W., Birmingham, Ala. Synchronizing device. 1,590,694; June 29.
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cotton-seed huller. 1,590,305; June 29.
McManus, George D. (See McManus, J. H. and G. D.)
McManus, James H. and G. D., Brooklyn, N. Y. Collapsible container. 1,590,636; June 29.
McMillin, Robert M., La Grange, Ga. Toothbrush. 1,590,842; June 29.
McNinch, William T., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Railway crossing. 1,590,767; June 29.
McSavaney Company, The. (See McGregor, David R., assignor.)
McSweeney, Frank H., and J. C. Rogers, Houston, Tex. Condenser. 1,590,899; June 29.
Mealy, Charles A., assignor to The Hadley Company, Providence, R. I. Wrist-watch strap. 1,590,641; June 29.
Means, Dwight R., Barberton, Ohio. Combined dish and clothes washing machine and drier. 1,590,470; June 29.
Medynski, Fred V., Medford, Oreg. Steering and pumping mechanism. 1,590,900; June 29.
Meisel, Otto C. F., Boston, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass. Printing press. 1,590,250; June 29.
Meisel Press Manufacturing Company. (See Meisel, Otto C. F., assignor.)
Mellowes, Alfred W., Milwaukee, Wis. Sealed valve. 1,590,389; June 29.
Melzer, Otto. (See Wahl, J., and Melzer.)
Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Geared limit switch. 1,590,471; June 29.
Mergel, Henry C. (See Buettner, C. L., and Mergel.)
Merle, André N., assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Device for photographing titles upon cinematographic films. 1,590,770; June 29.
Merrill, Dennis W., Albany, Oreg. Cable-operated logging cart. 1,590,308; June 29.
Merryweather, James, Greencastle, Ind. Train connection. 1,590,537; June 29.
Mertzanoff, André M., New York, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating apparatus. 1,590,588; June 29.
Metcalf, Howard H., assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich. Wrapping machine. 1,590,472; June 29.
Mii, Tsuguyoshi, assignor to Kotaro Isomura, Yamaguchi-Ken, Japan. Manufacturing oil of a low-boiling point from mineral heavy oils. 1,590,640; June 29.
Miksch, Herman A., Cushing Okla. Toy gun. 1,590,538; June 29.
Miller, Charles, Long Island City, N. Y. Window-operating apparatus. 1,590,473; June 29.
Miller, Harry W., Ann Arbor, Mich. Button fastening. 1,590,771; June 29.
Miller, James H., Los Angeles, Calif. Battery-post seal. 1,590,474; June 29.

Miller, William L., St. Paul, Minn. Machine for making electrical coils. 1,590,589; June 29.
Miller, William N., Oakland, Calif. Ironing board. 1,590,390; June 29.
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Misener & Irving Manufacturing Co. Inc. (See Misener, John I., assignor.)
Misener, John I., assignor to Misener & Irving Manufacturing Co. Inc., Syracuse, N. Y. Metal-cutting tool. 1,590,994; June 29.
Model Brassiere Co. (See McKeefrey, Elvira C., assignor.)
Moeschen, George T., New York, N. Y. Gas shut-off valve box. 1,590,844; June 29.
Molby, Walter D., Baldwin City, Kans. Inclined merry-go-round. 1,590,845; June 29.
Montague, Carroll H., Richmond, Va., assignor to Saf-De-Lite Company, Inc., Philadelphia, Pa. Automobile headlight. 1,590,695; June 29.
Moore Brothers Company. (See Keel, Glen E., assignor.)
Moore, D., Company. (See MacInnes, Robert H., assignor.)
Moore, Edward, assignor to Splitdorf Electrical Company, Newark, N. J. Spark-advance governor for internal-combustion engines. 1,590,772; June 29.
Moore, George A., Medford, Mass. Fly swatter. 1,590,846; June 29.
Moore, Lewis F., assignor to Walker Machine & Foundry Corporation, Roanoke, Va. Brake-shoe art. 1,590,847.
Moore, William H. S., Cleveland, Ohio. Oil-well underreamer. 1,590,773; June 29.
Moore, William H. S., Cleveland, Ohio. Motor-vehicle wheel. 1,590,774; June 29.
Morey, William E. (See Neikirk, J. O., and Morey.)
Morgan, John C., Los Angeles, Calif. Rotary electric timer. 1,590,475; June 29.
Morgan, John S., assignor to Thermal Industrial and Chemical (T. I. C.) Research Company, Limited, London, England. Destructive distillation of wood. 1,590,901; June 29.
Morrell, John, & Co. (See Swanson, Charles W., assignor.)
Morris, Evan B., Cedar Bluffs, Nebr. Farrowing house. 1,590,982; June 29.
Morris, Rebecca K., et al. (See McAuley, Claire P., assignor.)
Moss, Victor G., assignor to The Champion Register Company, Cleveland, Ohio. Can opener. 1,590,476; June 29.
Motor Industries Inc. (See Powell, Clarence H., assignor.)
Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,590,477; June 29.
Muller, Alfred D., Beverly, N. J. Intercheangeable bobbin. 1,590,539; June 29.
Murdock Manufacturing and Supply Company, The. (See Bart, Thomas E., assignor.)
Muth, Friedrich. (See Ballauf, F., Muth, and Schmelzer.)
Myers, Don D., Toledo, Ohio, assignor to The Sozonian Burial Vault Company. Burial-vault handle. Des. 70,484; June 29.
Naamlooze Vennootschap Arnold I. van den Bergh's Emballage Fabrieken. (See Brouwer, Jacobus, assignor.)
Naamlooze Vennootschap "Kamatec". (See Stuivenberg, Cornelis H., assignor.)
Nashua Gummed & Coated Paper Company. (See Bundy, Benjamin G., assignor.)
National Carbon Company. (See Hendry, W. F., and Nelson, assignors.)
National Collapsible Tube Co. (See Rohland, Curt J., assignor.)
National Dump Car Company. (See Neikirk, J. O., and Morey, assignors.)
Natisch, William, Malverne, N. Y. Universal gear-speed transformer. 1,590,902; June 29.
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,590,202; June 29.
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,590,642; June 29.
Nebeling, Edmund R. (See Tate, C. H., and Nebeling.)
Necessary, John P., and G. E. Shinkle, Huntington, W. Va. Display cabinet. Des. 70,485; June 29.
Neikirk, John O., Lombard, and W. E. Morey, assignors to National Dump Car Company, Chicago, Ill. Dump-car-door-releasing mechanism. 1,590,309; June 29.
Nelson, Charles J. (See Hendry, W. F., and Nelson.)
Nelson, Daniel, Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Packaging merchandise. 1,590,995; June 29.
Nelson, Louis M., jr., Evanston, Ill. Fitting. 1,590,775; June 29.
Nelson, Roy A., Omaha, Nebr. Cover for headlight rims. 1,590,310; June 29.
Nettlefold & Sons Limited. (See Goddard, James W., assignor.)
Neumeyer, Horace F., Macungie, Pa. Faucet. 1,590,251; June 29.
Neuwelt, Alexandre, Boston, Mass. Guide for portable drills. 1,590,643; June 29.
Neville, James Y., Chicago, Ill. Display fixture. 1,590,903; June 29.
Newill, Edward B. (See Nyman, A., and Newill.)
New-Comer Trailer Mfg. Co. (See Culver, Lagar R., assignor.)
New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
New York Mills Corporation. (See Leiper, John, assignor.)
Nicholls, Joseph B., et al. (See Howard, Elbert G., assignor.)
Nichols, Frank M. (See Taggart, G. M., jr., and Nichols.)
Nicholson, Alexander M., Hillsdale, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezo-electric device and producing the same. 1,590,311; June 29.
Nilson, Leonard, Wayzata, Minn. Lifting jack. 1,590,848; June 29.
Nilson, Leonard, Wayzata, Minn. Lifting jack. 1,590,849; June 29.
Nordgran, John, Salt Lake City, Utah. Automobile signal casing. Des. 70,486; June 29.
Nybus, Hilbert J. (See Sagen, Martin A., assignor.)
Nyman, Alexander, and E. B. Newill, Wilkinsburg, Pa. assignors to Westinghouse Electric & Manufacturing Company. Electrical system. 1,590,478; June 29.
Oakes, Frank J., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Coal-cutting chain. 1,590,821; June 29.
Obergfell, Herbert F. (See Erickson, J., and Obergfell.)
Oddon, Jean E., Bourdeaux, France. Constant-pressure boiler. 1,590,540; June 29.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,590,776; June 29.
Olcott, Charles A., assignor to S. S. Hepworth Company, New York, N. Y. Centrifugal machine. 1,591,004; June 29.
Oliver Chilled Plow Works. (See Altgelt, Herman E., assignor.)
Oliver, Walter E., Woodcliff, assignor to Autographic Register Company, Hoboken, N. J. Starting mechanism for manifolding devices. 1,590,777; June 29.
Olssen, Norman A., and W. I. Jones, Denver, Colo. Glareshield for automobiles. 1,590,203; June 29.
O'Neill, Joseph P., St. Louis, Mo. Armrest. 1,590,479; June 29.
Orr, Scott W., Chelsea, Mass. Velocipede. 1,590,696; June 29.
Osborn, Warren M., Chicago, Ill. Rail tie plate. 1,590,480; June 29.
Osborne, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Artificial line. 1,590,252; June 29.
Owens Bottle Company, The. (See Cramer, Albert N., assignor.)
Pilviö, Frans R., Raisio, Finland. Automatic contact device for use in pocket lamps. 1,590,541; June 29.
Palmieri, Salvatore, Rochester, N. Y. Making shoes and heel-securing means used in such method. 1,590,312; June 29.
Papke, Julius. (See Klein, L., and Papke.)
Parent, Adélard, Chapleau, Ontario, Canada. Dynamo drive for railway cars. 1,590,391; June 29.
Parker, C. Paul, trustee. (See Ekstrom, Gustaf H., assignor.)
Parkhurst, Layton M., Indianapolis, Ind. Tamping mechanism for concrete-block machines. 1,590,542; June 29.
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parsons Company, The. (See Vincent, Merlin S., assignor.)
Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Crosshead and guide. 1,590,253; June 29.
Pathe Cinema Anciens Etablissements Pathe Frères. (See Merle, André N., assignor.)
Patterson, Martin L., Bogota, N. J., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Feed-control means for arc lights. 1,590,543; June 29.
Pearl, Azariah Y., East Boston, Mass. Decorating material. 1,590,850; June 29.
Pease, C. F., Company. (See Brunk, Harold J., assignor.)
Pennsylvania Textile Mills, Inc. (See Day, Harry S., assignor.)
Penrose, John F. (See Feisthamel, Frederick L., assignor.)
Pernot, Frederick E., London, England. Electrical signaling method. 1,590,951; June 29.
Peters, Arthur H., Fort Wayne, Ind. Self-lubricating journal bearing. 1,590,392; June 29.
Petersen, George H., Visalia, Calif. Weight gauge. 1,590,544; June 29.
Petersén, Wilhelm H., Ganvla Posten, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Time-limit induction relay. 1,590,952; June 29.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Making tying bills for knotters. 1,590,953; June 29.
Peterson, Ernest A., Oakland, Calif. Casement sash. 1,590,545; June 29.
Pfeil, Philip G., Chicago, Ill. Window mounting. 1,590,984; June 29.
Pfiner, Emil, Budapest, Hungary. Excess-voltage conductor for high-working voltages. 1,590,440; June 29.

Philips' N. V., Gloeilampenfabrieken. (See Bol, C., and van der Pol, assignors.)
Phillips, Frank D. (See Grimm, Arthur W., assignor.)
Pickstone, Cornelius, Radcliffe, England. Insulating compound. 1,590,644; June 29.
Piggot, Graham H., assignor to Federal Steel Fixture Company, Chicago, Ill. Door and locking means therefor. 1,590,441; June 29.
Pipereaut, Pierre, and A. Helbronner, Paris, France. Manufacture of titanic and zinc compounds. 1,590,697; June 29.
Pittsburgh Plate Glass Company. (See Ashplundh, Edwin T., assignor.)
Pittsburgh Plate Glass Company. (See Ericsson, Gustav E., assignor.)
Pittsburgh Plate Glass Company. (See Geistharp, Frederick, assignor.)
Pittsburgh Plate Glass Company. (See Rotheram, Thomas, assignor.)
Pittsburgh Plate Glass Company. (See Soderberg, Jacob, assignor.)
Pizzino, Frank, Altoona, Pa. Shuttle. 1,590,546; June 29.
Polk, R. L. (See Reese, H. D., Edwards, and Bach, assignors.)
Polski, Roman F., St. Paul, Minn. Padded cover for ironing boards. 1,590,983; June 29.
Portable Electric Current Patents Co. (See Apostoloff, Serge, assignor.)
Powell, A. L., Power Co., Inc., The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine. 1,590,204; June 29.
Powell, Clarence H., Detroit, Mich., assignor to Motor Industries Inc., Chicago, Ill. Registering instrument. 1,590,313; June 29.
Power Specialty Company. (See Bell, J. E., and Dowd, assignors.)
Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting-powder composition. 1,590,393; June 29.
Precious, Joseph, Providence, R. I. Electrical tap socket. 1,590,954; June 29.
Prenzel, Adam H., Halifax, Pa. Machine for molding insole flanges. 1,590,904; June 29.
Probert, Sidney C., and F. J. Lamborn, Detroit, Mich., assignors, by mesne assignments, to Dodge Brothers, Inc. Apparatus for arc spot welding. 1,590,314; June 29.
Prusso, Robert E., San Leandro, Calif. Magazine shaving brush. 1,590,547; June 29.
Pullman Car and Manufacturing Corporation. (See Quaite, Andrew, assignor.)
Pullman Company, The. (See Hawkes, Arthur G., assignor.)
Putnam, Fred A., assignor to Markem Machine Company, Keene, N. H. Type element for marking machines. 1,590,851; June 29.
Quaite, Andrew, assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Safety lock for air hammers. 1,590,442; June 29.
Quigley, Charles E. (See Quigley, John M. and C. E.)
Quigley, John M. and C. E., Sacramento, Calif. Direction indicator. 1,590,548; June 29.
Quirk, Harry J. (See Gay, J. C., Smith, and Quirk.)
Raetz, Stephen J., Proctor, Minn. Car-truck construction. 1,590,315; June 29.
Ragan, Frederick H., Detroit, Mich., assignor, by mesne assignments, to Gemmer Manufacturing Company. Bushing for motor-vehicle steering columns. 1,590,205; June 29.
Railway and Industrial Engineering Company. (See Kerr, Benjamin W., assignor.)
Rakonick, Joseph, St. Louis, Mo. Arch-supporting shoe. 1,590,852; June 29.
Ramsay, Samuel R., Santa Cruz, Calif. Incubator. 1,590,549; June 29.
Randall, William A., assignor of one-half to A. and H. Freund, Atlantic City, N. J. Attachment for motion-picture machines. 1,590,254; June 29.
Rapid Electrotype Company. (See Eberhard, Charles W., assignor.)
Rasmussen, Chester A., Long Beach, Calif., and W. H. Rinehart, Waynesburg, Pa. Valve mechanism for inner drill casing tubes. 1,590,645; June 29.
Rausch, Earl B. (See Lewis, H. H., McBerty, Cutler, and Rausch.)
Rawlings, Samuel J., Kearny, N. J. Door holder. 1,590,394; June 29.
Ray, Frederick S., Pembroke, Mass. Drying rack. 1,590,698; June 29.
Rebhun, Charles A., Cincinnati, Ohio. Display rack. 1,590,316; June 29.
Rece, Frank S., Dallas, Tex. Hook for rolling crib. 1,590,550; June 29.
Reed Propeller Co. Inc., The. (See Reed, Sylvanus A., assignor.)
Reed, Sylvanus A., assignor to The Reed Propeller Co. Inc., New York, N. Y. Aeronautical propeller. 1,590,699; June 29.
Reese, Harry D., C. S. Edwards, and J. L. Bach, assignors to R. L. Polk, trading as R. L. Polk & Co., Detroit, Mich. Copyholder for linotype machines. 1,590,551; June 29.
Reinhardt, Edwin G., Cincinnati, Ohio. Shower-bath door. 1,590,206; June 29.
Reischl, Ludwig, Nuremberg, Germany. Feed mechanism for typewriting machines. 1,590,552; June 29.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Remington Typewriter Company. (See Seib, George A., assignor.)
Rettmer, Jacob J., Lufkin, Tex. Lumber-stamping device. 1,590,905; June 29.
Reynolds, John M. (See Harris, C. W., and Reynolds.)
Richards, James G., Detroit, Mich. Loading gangway. 1,590,317; June 29.
Richardson, John H., Donalsonville, Ga. Raking attachment. 1,590,906; June 29.
Riester, Frederick H. (See Herndon, H. A., and Riester.)
Rihosek, Johann, Vienna, and R. L. Leuchter, Weidlingau-Hadersdorf, assignors of one-half to Gebrüder Hardy Maschinenfabrik und Giesserei A. G., Vienna, Austria. Air-pressure brake. 1,590,907; June 29.
Riles, Ira M., Tuscaloosa, Ala. Pipe coupling. 1,590,908; June 29.
Rinehart, William H. (See Rasmussen, C. A., and Rinebart.)
Ring, Lewis J., Wakefield, Nebr. Cattle-stunning device. 1,590,318; June 29.
Rydberg, Carl O., Gottenburg, Sweden. Pump. 1,590,320; June 29.
Ront, James, Canandaigua, N. Y. Poultry feeder. 1,590,909; June 29.
Robbins, John E., Greensburg, Ind. Hay baler. 1,590,319; June 29.
Roberts, Isaiah L., Columbia, Isle of Pines, Cuba, assignor of one-half to William C. Lichtenstein, Jersey City, N. J. Propeller. Re16,370; June 29.
Roberts, Lewis D., York, Pa. Vending machine. 1,590,700; June 29.
Robinson, Jay G., Chicago, Ill. Door-operating mechanism. 1,590,443; June 29.
Roe, Loyal D., assignor of one-half to S. E. Campbell, Associated, Calif. Apparatus for applying solder to can caps. 1,590,646; June 29.
Rogers, Barrett, Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Two-way plug. 1,590,207; June 29.
Rogers, John C. (See McSweeney, F. H., and Rogers.)
Rohland, Curt J., Seekonk, Mass., assignor to National Collapsible Tube Co., Providence, R. I. Collapsible tube. 1,590,853; June 29.
Ross, Hugh M., Woodhaven, assignor to Adriance Machine Works, Inc., Brooklyn, N. Y. Bottle-sealing machine. 1,590,955; June 29.
Rothera, Lambert, H. S. Carnegie, and J. C. Wilson, assignors to The English Electric Company Limited, London, England. Construction of and driving arrangement for rolling mills. 1,590,854; June 29.
Rotheram, Thomas, Creighton, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for forming optical blanks. 1,590,855; June 29.
Roy, William, Adelphi, London, England. Process of and apparatus for molding shaped articles such as containers for milk, cream, jam, and the like from fibrous pulp. 1,590,956; June 29.
Royal Metal Lighting Fixture Co. (See Schmitt, Adolph, assignor.)
Ruda Manufacturing Company. (See Klemm, William J., assignor.)
Rumrich, Karl, New York, N. Y. Exhaust motor. 1,591,002; June 29.
Rumrill, William E., Salina, Kans. Hose holder. 1,590,910; June 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Sealing means for wrapping machines. 1,590,208; June 29.
Russell, S. Harry, assignor of one-third to W. H. Young and one-third to W. E. Lang, Lexington, Ky. Oil saver. 1,590,911; June 29.
Rutzke, Rudolph C., St. Louis, Mo. Liquid-level indicator. 1,590,553; June 29.
Ruud Manufacturing Co. (See Humphrey, Herbert S., assignor.)
Sabin, James O., Muscatine, Iowa. Poultry roost. 1,590,856; June 29.
Sachsenwerk, Licht- und Kraft-Aktiengesellschaft. (See Fritz, Joseph, assignor.)
Sackett, Augustus J., Baltimore, Md. Gravity mixer. 1,590,647; June 29.
Sadtler, Helena S., Erdenheim, Pa. Transfers for producing multishade effects and making same. 1,590,648; June 29.
Saf-De-Lite Company. (See Montague, Carroll H., assignor.)
Safety Car Heating & Lighting Company. (See Hulse, George E., assignor.)
Sagen, Martin A., assignor of one-third to H. J. Nyhus, Edmore, N. Dak. Convertible safety and positive draft device. 1,590,857; June 29.
Salomon, Rena K., Brookline, Mass. Furniture. 1,590,444; June 29.
Samuels, Glenn A., Binghamton, N. Y. Automobile steering mechanism. 1,590,858; June 29.

San-A-Ham Company. (See Magers, Aloysius E., assignor.)
Sanborn, Frederick W., jr., assignor to Allison Motors, Inc. Denver, Colo. Valve-guide-aligning tool. 1,590,209; June 29.
Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,590,255; June 29.
Sani-Tabl-Tub Company, The. (See Darrow, Benjamin B., assignor.)
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Sartakoff, Jack, D., Forrest Hills, N. Y. Liquid-feeding apparatus. 1,590,321; June 29.
Sattele, William, Cleveland, Ohio. Door-operating mechanism. 1,590,256; June 29.
Scallen, Joseph M., San Francisco, Calif. Garment supporter. 1,590,985; June 29.
Scanavino, Steven A., Santa Cruz, Calif. Safety device for water wheels. 1,590,912; June 29.
Schack, Charles, New York, N. Y. Flooring material. 1,590,649; June 29.
Schack, Charles, Brooklyn, N. Y. Anchoring device for deck-coating material. 1,590,650; June 29.
Schaffer, Henry. (See Todd, Frederick L., assignor.)
Schaffner, Abraham, Brooklyn, N. Y. Match and toothpick dispensing box. 1,590,957; June 29.
Scheaffer, Charles A., and W. M. Shelpe, Pottsville, Pa. Take-up. 1,590,701; June 29.
Schein, Alexander E., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic stabilizer for ships. 1,590,778; June 29.
Schenkelberger, Ferdinand. (See Hahnemann, W., Schenkelberger, du Bois-Reymond, and Hecht.)
Schlesinger, Ike, East Orange, assignor to A. M. and J. B. Cohen, trading as Essex Knitting Mills, Newark, N. J. Knitted cap. 1,590,322; June 29.
Schmelzer, Albert. (See Ballauf, F., Muth, and Schmelzer.)
Schmidt, Frank W., Jackson, assignor to General Motors Corporation, Detroit, Mich. Rim. 1,590,958; June 29.
Schmidt, Fritz, Dobeln, Germany. Softening water. 1,590,913; June 29.
Schmitt, Adolph, Bogota, N. J., assignor to Royal Metal Lighting Fixture Co., Inc. Brace for lighting fixtures. Des. 70,487; June 29.
Schneider, Hermann. (See Straub, F., and Schneider.)
Schrader's A., Son, Inc. (See Duerler, Gustave A., jr., assignor.)
Schraeder's A., Son, Inc. (See Wahl, J., and Melzer, assignors.)
Schrager, Daniel D. and R. N., Chicago, Ill. Wedding ring (Masonic). Des. 70,488; June 29.
Schrager, Rudy N. (See Schrager, D. D. and R. N.)
Schramm, Margaret E., Chicago, Ill. Dishwasher. 1,590,914; June 29.
Scott, Emmitt Y., Swainsboro, Ga. Coupling for tractors. 1,590,702; June 29.
Schubert, Frank H., St. Louis, Mo. Multiple regulator valve. 1,590,323; June 29.
Schumacher, Elmer L., Southbridge, and W. H. Boutelle, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,590,324; June 29.
Schustarich, George, Chicago, Ill. Combination precision measuring instrument. 1,590,651; June 29.
Schwab, Louis. (See McGuckin, John J., assignor.)
Schweiker, Roy W., Lansdale, Pa. Lighting fixture. 1,590,959; June 29.
Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Differentiating mine-car axle. 1,590,859; June 29.
Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Differentiating mine-car axle. 1,590,860; June 29.
Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Differentiating mine-car axle. 1,590,861; June 29.
Sears, Roebuck and Co. (See Bohmker, John C., assignor.)
Sechrist, James B., Red Lion, Pa. Packing bolt for crating beds. 1,590,257; June 29.
Sechrist, James B., Red Lion, Pa. Packing bolt for crat-holder. 1,590,862; June 29.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,590,445; June 29.
Seibt, Georg, Berlin-Schoneberg, Germany. Oscillatory body for sound reproductions. 1,590,703; June 29.
Seko, Kamezo, East San Pedro, Calif. Holder. 1,590,960; June 29.
Semelroth, William J., Westfield, Wis. Saw. 1,590,554; June 29.
Semelroth, William J., Westfield, Wis. Lantern-slide carrier. 1,590,704; June 29.
Severns, Thomas. (See Gignoux, J. R., and Severns.)
Seydel Chemical Compnny. (See Spencer, Hugh M., assignor.)
Seymour, Frederick W., and D. A. Gillen, Flushing, N. Y. Combined water system service protector and electrical ground. 1,590,590; June 29.
Sgritta, Alfonso, Brooklyn, N. Y. Cord machine. 1,590,325; June 29.
Shaffer, Glenn A., and F. H. Wirtz, Green Bay, Wis. Cornucopia-folding machine. 1,590,652; June 29.
Shanklin, Aleck A., Fairmont, Nebr. Pulling machine. 1,590,446; June 29.
Shannon, Robert L., Chicago, Ill. Mail-bag lock. 1,590,258; June 29.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Wade & Butcher Corporation. Brazing machine. 1,590,210; June 29.
Shelpe, William M. (See Scheaffer, C. A., and Shelpe.)
Shell Company of California. (See Gignoux, J. R., and Severns, assignors.)
Shelton, Jack F., Memphis, Tenn. Automatic hay shaker and seed sifter. 1,590,259; June 29.
Shinkle, Guy E. (See Necessary, J. P., and Shinkle.)
Shipley, Grant B., Pittsburgh, Pa. Wood-treating apparatus. 1,590,447; June 29.
Shipley, Grant B., Pittsburgh, Pa. Tie truck. 1,590,863; June 29.
Shore, Albert F., New York, N. Y. Photographic camera and lens. 1,590,448; June 29.
Shultz, Henry, New York, N. Y. Ice cabinet. 1,590,053; June 29.
Signal Gesellschaft m. b. H. (See Hahnemann, W., Schenkelberger, du Bois-Reymond, and Hecht, assignors.)
Simi, Headrick E., Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,590,326; June 29.
Simmons Company, The. (See Smith, Ezra S., assignor.)
Simmons Company. (See Travis, D. C., and Soans, assignors.)
Simmons, William J., assignor to Knights of the Ku Klux Klan, Atlanta, Ga. Badge. Des. 70,489; June 29.
Simons, Aaron, New York, N. Y. Spring. 1,590,211; June 29.
Simplex Electric Heating Company. (See Hewitt, Frank W., assignor.)
Simpson, Charles A., and I. C. Vidal, Dunedin, New Zealand. Air pump. 1,590,705; June 29.
Simpson, Ray, Oak Park, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Electrical meter. 1,590,449; June 29.
Singer, Rudolf, assignor to Kunstharzfabrik Regal & Co., Brno, Czechoslovakia. Manufacture of artificial resins. 1,590,961; June 29.
Sinning, Frank R., Ramsey, assignor to Frederick Hachmann, Chicago, Ill. Combination rail liner, tie spacer and rail-joint elevator. 1,590,450; June 29.
Siptrott, Paul, New York, N. Y., assignor to Lighting Appliance Co., Inc. Lighting-fixture bracket. Des. 70,490; June 29.
Sivola, George, Dexter, N. Y. Chemical pulp-cooking process. 1,590,987; June 29.
Skayef Ball Bearing Company, The. (See Brunner, Harold E., assignor.)
Slate Veneer Company. (See Lake, Vincent F., assignor.)
Slater, Fred M. (See Bayles, L. C., and Slater.)
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Crest volt meter. 1,590,451; June 29.
Smisor, Jasper E., Marion, Ind. Lock switch. 1,590,555; June 29.
Smisor, Jasper E., Marion, Ind. Temperature indicator. 1,590,556; June 29.
Smith, Denis. (See Smith, G. A. and D.)
Smith, Ezra S., assignor to R. F. Simmons Company, Attleboro, Mass. Bracelet or similar article. Des. 70,491; June 29.
Smith, Frank, Elland, England. Rebound damper and shock absorber for motor road vehicles. 1,590,395; June 29.
Smith, George A. and D., Ontario, Calif. Orchard heater. 1,590,327; June 29.
Smith, Joseph B., Havana, assignor to Weaver Manufacturing Company, Springfield, Ill. Device for removing pneumatic tires from their rims. 1,590,212; June 29.
Smith, Oberlin, Bridgeton, N. J. Automatic phonograph. 1,590,654; June 29.
Smith, Ralph E. (See Gay, J. C., Smith, and Quirk.)
Smith, Samuel N., Lynchburg, Va. Automatic railway gate. 1,590,260; June 29.
Smith, William A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock-drill valve. 1,590,261; June 29.
Snyder, John E., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fastening means for turbine blading. 1,590,328; June 29.
Soans, Cyril A. (See Travis, D. C., and Soans.)
Societe Nauton Freres & de Marsac. (See Tesse, Theodore F., assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Soderberg, Jacob, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Rouge-feeding apparatus. 1,590,864; June 29.
Sozonian Burial Vault Company. (See Myers, Don D., assignor.)
Sparkes, Harry P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Graphic meter pointer. 1,590,452; June 29.
Spencer, Hugh M., Newark, N. J., assignor to Seydel Chemical Company. Briquette. 1,590,706; June 29.
Spengler Core Drilling Company. (See Kammerer, G., and Hill, assignors.)

Sperry Gyroscope Company, The. (See Patterson, Martin L., assignor.)
Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)
Spicer, Harold N., New York, N. Y. Lining for grinding apparatus and the like. 1,590,655; June 29.
Spikes, Richard B., assignor of one-half to T. Coffs, San Francisco, Calif. Combination milk-bottle opener and cover. 1,590,557; June 29.
Splitdorf Electrical Company. (See Moore, Edward, assignor.)
Spokane Draper Company. (See Fetterman, Albert S., assignor.)
Springstead, Franklin S., Rochester, N. Y. Auto signal. 1,590,262; June 29.
Stacy, Albert, et al. (See Ballou, Robert L., assignor.)
Stacy, George D., et al. (See Ballou, Robert L., assignor.)
Stafford, Alfred E. (See Stimpson, W. L., and Stafford.)
Standard Coupler Co. (See Goodwin, Ernest G., assignor.)
Standard Development Company. (See Becker, Arman E., assignor.)
Standard Oil Company of California. (See Hanna, R. W., and Mason, assignors.)
Staude, E. G., Manufacturing Co. (See Staude, E. G., and Boker, assignors.)
Staude, Edwin G., and V. A. Boke, Minneapolis, assignors to E. G. Staude Manufacturing Co., St. Paul, Minn. Combined vehicle and traction machine. 1,590,453; June 29.
Stecker, Louis G., Philadelphia, Pa. Battery grid and making the same. 1,590,362; June 29.
Stefanich, Frank, Fresno, Calif. Nonskid automobile attachment. 1,590,329; June 29.
Steffes, Joseph J., Minneapolis, Minn. Token holder. 1,590,591; June 29.
Stell, Alfred and J., and H. Welch, assignors to Hall and Stells Limited, Keighley, England. Doffing mechanism for flier spinning, doubling, and like machines. 1,590,865; June 29.
Stell, John. (See Stell, Alfred and J., and Welch.)
Stenhouse, David. (See Stenhouse, Thomas and D.)
Stenhouse, David, Washington, Pa. Adjustable time and phase distributing valve. 1,590,558; June 29.
Stenhouse, Thomas and D., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Continuously-revolving press. 1,590,481; June 29.
Stevens & Company. (See McGuckin, John J.)
Stevenson, Ralph D., Hubbard, Ohio. Writing-lead-pointing device. 1,590,330; June 29.
Stewart, Mary E., Cincinnati, Ohio. Composition of matter for removing incrustations. 1,590,915; June 29.
Still, Frederick G., London, assignor to J. Stone & Company Limited, Deptford, England. Pulley with bushing. 1,590,331; June 29.
Stimpson, Wallace L., and A. E. Stafford, assignors to Draper Corporation, Hopedale, Mass. Filling-carrier receiver for replenishing looms. 1,590,779; June 29.
Stoloff, Charles L., New York, N. Y. Dental prosthetics. 1,590,963; June 29.
Stone, J., & Company Limited. (See Still, Frederick G., assignor.)
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Amplifier. 1,590,263; June 29.
Story, Ward B., Brooklyn, N. Y. Feeder. 1,590,213; June 29.
Stratman, Herman, et al. (See Lindenlauf, Joseph, assignor.)
Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff containing metals and making same. 1,590,482; June 29.
Street, Edward T., Boundbrook, N. J. Pump. 1,590,964; June 29.
Stromatt, Joseph C., Caldwell Co., Ky. Plow. 1,590,916; June 29.
Strunk, Harry E. (See Eseman, W. H., and Strunk.)
Stuivenberg, Cornelis H., assignor to Naamlooze Vennootschap "Kamatec," Amsterdam, Holland. Apparatus for the mechanical assembling of statistical cards bearing corresponding data. 1,591,005; June 29.
Sturm, Lewis D. (See Flack, R. N., and Sturm.)
Submarine Signal Company. (See Fessenden, Reginald A.)
Submarine Signal Company. (See Hopwood, Frank L., assignor.)
Sullivan Machinery Company. (See Lee, Frank M., assignor.)
Sullivan Machinery Company. (See London, Jacob M., assignor.)
Sunderman, Frederick R., Newburgh, assignor, by mesne assignments, to J. D. Lacey, New York, N. Y. Apparatus for molding tubular insulators. 1,590,707; June 29.
Sunray Stove Company. (See Bodurtha, Walter H., assignor.)
Superheater Company, The. (See Broido, Benjamin, assignor.)
Sutton, John H., La Grange, N. C. Chimney stop. 1,590,396; June 29.
Svenska Aktiebolaget Bromsregulator. (See Djurson, Axel R. K., assignor.)
Swan, John W., Stamford, Conn. Automobile radiator-heating device. 1,590,454; June 29.
Swan Metallic Seal & Cap Company. (See Tevander, Swan N., assignor.)
Swanson, Charles W., assignor to John Morrell & Co., Ottumwa, Iowa. Bacon-skinning machine. 1,590,708; June 29.
Swearingen, Alfred R., Lakewood, Ohio, assignor of one-half to B. C. Lizenby, Columbus, Ohio. Sound-reproducing cabinet. Des. 70,492; June 29.
Swelgart, Samuel C., Linglestown, Pa. Game. 1,590,264; June 29.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symington Company, The. (See Kadel, Byers W., assignor.)
Taber, Harry P., Wilmington, Del. System of treating oil. 1,590,656; June 29.
Taggart, George M., jr., and F. M. Nichols, Seattle, Wash. Hairpin. 1,590,780; June 29.
Tanron, Amelle, San Rafael, Calif. Flatiron support. 1,590,455; June 29.
Tate, Charles H., New Rochelle, and E. R. Nebeling, Woodhaven, N. Y. Jewelry clasp. 1,590,781; June 29.
Taylor, Edwin, Brooklyn, assignor, by mesne assignments, to Taylor Laboratories, Inc., New York, N. Y. Treatment of fibrous or cellular organic material. 1,590,594; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Making smokeless powder and the like. 1,590,598; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Method of making insulated electrical conductor and the like. 1,590,599; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Treating silk and cellulose material. 1,590,600; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Treatment of organic material. 1,590,601; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Treating organic material. 1,590,602; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Manufacture of cellulose products. 1,590,603; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Electrolytic cell. 1,590,604; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Electric-battery construction. 1,590,605; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Treating organic material and apparatus therefor. 1,590,606; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Treatment of organic material. 1,590,607; June 29.
Taylor, Edwin, Brooklyn, assignor to Taylor Laboratories, Inc., New York, N. Y. Insulated electrical conductor and the like. 1,590,608; June 29.
Taylor, Edwin, and E. F. Chandler, Brooklyn, assignors, by mesne assignments, to Taylor Laboratories, Inc., New York, N. Y. Conversion of cellular or fibrous material. 1,590,592; June 29.
Taylor, Edwin, and E. F. Chandler, Brooklyn, assignors, by mesne assignments, to Taylor Laboratories, Inc., New York N. Y. Conversion of cellular or fibrous material. 1,590,593; June 29.
Taylor, Edwin, and E. F. Chandler, Brooklyn, assignors to Taylor Laboratories, Inc., New York, N. Y. Photographic film and making the same. 1,590,597; June 29.
Taylor, Edwin, and E. F. Chandler, Brooklyn, N. Y., assignors to Taylor Laboratories, Inc. Electrolytic apparatus. 1,590,609; June 29.
Taylor, Edwin, and E. F. Chandler, Brooklyn, and T. A. Hill, assignors to Taylor Laboratories, Inc., New York, N. Y. Production of colloidal material. 1,590,596; June 29.
Taylor, John O. (See Jordan, J. G., and Taylor.)
Taylor Laboratories, Inc. (See Hill, Thomas A., assignor.)
Taylor Laboratories, Inc. (See Taylor, Edwin, assignor.)
Taylor Laboratories, Inc. (See Taylor, E., and Chandler, assignors.)
Taylor Laboratories, Inc. (See Taylor, E., Chandler, and Hill, assignors.)
Taylor, Milton C., assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,590,917; June 29.
Taylor, Robert L., Portland, Oreg. Flax-pulling machine. 1,590,709; June 29.
Taylor, William O. (See Howie, K., and Taylor.)
Tebbs, Arthur N., Fendalton, Christchurch, New Zealand. Hydraulic clutch. 1,590,332; June 29.
Technical Research Works Limited. (See Lush, Ernest J., assignor.)
Teske, Albert, Buttermut, Wis. Ensilage spreader for silos. 1,590,866; June 29.
Tesse, Theodore F., Paris, France. Aeroplane fabric and coating the same. 1,590,783; June 29.
Tesse, Theodore F., assignor to himself and Société Nauton Frères & de Marsac, Paris, France. Transparent dope and manufacture of the same. 1,590,782; June 29.

Tevander, Swan N., Maywood, Ill., assignor to Swan Metallic Seal & Cap Company. Curling machine for caps for jars. 1,590,333; June 29.
Tevander, Swan N., Maywood, Ill., assignor to Swan Metallic Seal & Cap Company. Beading machine for caps for jars and cans. 1,590,334; June 29.
Thermal Industrial and Chemical (T. I. C.) Research Company. (See Morgan, John S., assignor.)
Thomas Elevator Company. (See Wilson, Alexander H., assignor.)
Thomson, Ralph K., Sioux Falls, S. Dak. Broom-sewing machine. 1,590,483; June 29.
Thurm, Richard, Saginaw, Mich. Producing organic chlorides. 1,590,265; June 29.
Tiedtke, Richard, Hochst-on-the-Main, and J. Benz, Niedernhausen a/Taunus, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany. Continuous-absorption apparatus. 1,590,266; June 29.
Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
Tindell, Francis, Knoxville, Tenn. Gear puller. 1,590,918; June 29.
Tinius Olsen Testing Machine Company. (See Lundgren, Jacob, assignor.)
Toda, Suekichi, Sakai-Gun, Japan. Preparing artificial-silk yarn for textile purposes. 1,590,784; June 29.
Todd, Frederick L., Moberly, Mo., assignor to H. Schaffer, Chicago, Ill. Tire rim. 1,590,397; June 29.
Tokheim Oil Tank and Pump Company. (See Brake, George U., assignor.)
Townsend Furnace & Machine Shop Co. Inc. (See Craddock, Henry, assignor.)
Travis, Don C., Kenosha, and C. A. Soans, Oak Park, assignors to Simmons Company, Kenosha, Wis. Extensible bedstead. 1,590,785; June 29.
Trbojevich, Nikola, Highland Park, Mich., assignor to Gleason Works, Rochester, N. Y. Gear. Re16,371; June 29.
Trester, Charles C., Lawrenceburg, Ind. Brush. 1,590,267; June 29.
Tri-Ergon Limited. (See Engl, J., Vogt, and Massolle, assignors.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent rotation of bobbins. 1,590,398; June 29.
Tunstall, Harry, Fair Haven, assignor to Alsatian Machine Works, Limited, Boston, Mass. Drawing frame. 1,590,710; June 29.
Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for rock drills. 1,590,268; June 29.
Tykocinski-Tykociner, Joseph, Urbana, Ill. Reproducing sound. 1,590,399; June 29.
Uebelmesser, Charles, New York, N. Y. Steam-engine-cylinder piston. 1,590,657; June 29.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Dry Battery Corporation of America. (See Apostoloff, Serge, assignor.)
Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
United Shoe Machinery Corporation. (See Ashton, Ernest, assignor.)
United States Printing & Lithograph Company, The. (See Helfrich, George N., assignor.)
United States Sand Paper Company. (See Joseph, Henry, assignor.)
United Water Softeners, Limited. (See Harold, Charles H. H., assignor.)
Vall, Harold P., Los Angeles, and E. P. Wright, assignors of one-third to M. L. Chappell, El Segundo, Calif. Packing apparatus. 1,590,456; June 29.
Van der Pol, Balthasar. (See Bol, C., and van der Pol.)
Van Eaton, C. S., et al. (See Hamblin, Walter L., assignor.)
Van Eaton, M. S., et al. (See Hamblin, Walter L., assignor.)
Vaupel, Albert, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Testing insulators. 1,590,457; June 29.
Ventrella, Michael V., Bronx, N. Y. Automatic music-sheet turner. 1,590,711; June 29.
Vidal, Ifryd C. (See Simpson, C. A., and Vidal.)
Vincent, Merlin S., assignor to The Parsons Company, Newton, Iowa. Cast-steel car wheel. 1,591,003; June 29.
Vincent, Sidney C., Baltimore, Md. Umbrella. 1,590,867; June 29.
Vogt, Hans. (See Engl, J., Vogt, and Massolle.)
Voices, Incorporated. (See Grubman, Leo J., assignor.)
Voight, George F., Oakland, Calif. Metal lath. 1,590,458; June 29.
Völker, Waldemar, Leipzig, Germany. Device for the augmentation of human swimming performances. 1,590,484; June 29.
Vollmer, Milton D., Willow City, N. Dak. Egg protector. 1,590,485; June 29.
Volwiler, Ernest H. (See Adams, R., Dreger, and Volwiler.)
Vondersaar, Edwin L., Indianapolis, Ind. Dowel locator for furniture repairs. 1,590,459; June 29.
Wade & Butcher Corporation. (See Sheehan, Thomas C., assignor.)
Wade, Charles B., Roanoke, Va. Automatic safety device for pneumatic hammers. 1,590,269; June 29.
Wahl Company, The. (See Taylor, Milton C., assignor.)
Wahl, John, and O. Melzer, assignors to A. Schraeder's Son, Inc., Brooklyn, N. Y. Gauge. 1,590,919; June 29.
Waidelich, John F., Jackson, Mich. Christmas-tree holder. 1,590,214; June 29.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,590,658; June 29.
Walker, Edmund H., New York, N. Y. Friction draft gear. 1,590,712; June 29.
Walker, George. (See Clarke, Thomas M., assignor.)
Walker Machine & Foundry Corporation. (See Moore, Lewis F., assignor.)
Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Fuel pump. 1,590,868; June 29.
Warner, Chester E., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Circuit-controlling device. 1,590,215; June 29.
Warner, Chester E., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. 1,590,216; June 29.
Wasmuth-Endicott Company. (See Wasmuth, Augustus F., assignor.)
Wasmuth, Augustus F., Huntington, Ind., assignor to Wasmuth-Endicott Company. Closeted ironing board. 1,590,786; June 29.
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for synchronizing in picture-transmission systems. 1,590,270; June 29.
Waugh, Robert, London, England. Fastening for hand bags. 1,590,486; June 29.
Wax, Jacob, Brooklyn, N. Y. Finger ring. Des. 70,493; June 29.
Weaver Manufacturing Company. (See Smith, Joseph B., assignor.)
Weber, Charles S., Lemoore, Calif. Stringed musical instrument. 1,590,869; June 29.
Webster Electric Company. (See Hawkins, William W., assignor.)
Weingand, Richard. (See Czapek, E., and Weingand.)
Weis, Henry, Manufacturing Company. (See Lewis, H. H., McBerty, Cutler, and Rausch, assignors.)
Welch, Henry. (See Stell, Alfred, and J., and Welch.)
Welter, Gustave. (See Barnum, S. H., and Welter.)
Wernecke, Otto, assignor to Grimme, Natalis & Co. Aktiengesellschaft, Braunschweig, Germany. Calculating machine. 1,590,920; June 29.
Western Electric Company. (See Clement, Lewis M., assignor.)
Western Electric Company. (See Eglin, James M., assignor.)
Western Electric Company. (See Gibson, Robert D., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Westinghouse Air Brake Company, The. (See Chapin, Albert J., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Siml, Hendrick E., assignor.)
Westinghouse Air Brake Company. (See Woernley, Harry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Alben, Frank L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascum O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Carr, Laurence H. A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, C. L. G., and Jungk, assignors.)
Westinghouse Electric & Manufacturing Company. (See Heilmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Menzies, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mottlau, August J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nyman, A., and Newill, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Snyder, John E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vaupel, Albert, assignor.)

Weyand, Charles L., New York, N. Y. Ornamented dress material and producing the same. 1,590,335; June 29.
Wheland Company, The. (See Campbell, George E., assignor.)
Whipple, Leland B., Rochester, N. Y. Cutter guard. 1,590,336; June 29.
White Cap Company. (See White, William P., assignor.)
White, William J., Philadelphia, Pa. Clothesline-supporting device. 1,590,659; June 29.
White, William P., Brooklyn, N. Y., assignor to White Cap Company, Chicago, Ill. Closure cap. 1,590,787; June 29.
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
Whitehead, Thomas C., Detroit, Mich. Shoe-blacking stand. 1,590,996; June 29.
Wicks, John, assignor, by mesne assignments to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,590,217; June 29, 1926.
Widiner, Harry A., London, England. Fastenings for pouches, wallets, and all kinds of leather containers. 1,590,400; June 29.
Wielich, Albert. (See Falkenberg, Wilhelm, assignor.)
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Company, Kalamazoo, Mich. Temporary binder. 1,590,460; June 29.
Wild, Heinrich, Heerbrugg, Switzerland. Optical apparatus. 1,590,461; June 29.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wildman Mfg. Co. (See Howie, K., and Taylor, assignors.)
Wildman Mfg. Co. (See Krieble, Charles C., assignor.)
Willis, Prior F., St. Louis, Mo. Acetylene-gas generator. 1,590,219; June 29.
Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,590,788; June 29.
Williams, Arthur G., and A. Kipp, Sidney, N. Y. Lock cap for grease cups. 1,590,487; June 29.
Williams, Charles F., Philadelphia, Pa. Oil-separating apparatus. 1,590,870; June 29.
Williams, Edward T., Brooklyn, N. Y. Household refrigerating apparatus. 1,590,218; June 29.
Williams, Gordon, Mount Carmel, Conn. Windshield. 1,590,660; June 29.
Williams, Theron H., Chicago, Ill. Shock absorber. 1,590,559; June 29.
Williams, Theron H., Chicago, Ill. Shock absorber. 1,590,560; June 29.
Williams, Theron H., Chicago, Ill. Shock absorber. 1,590,561; June 29.
Willson, Adolph D., Modesto, Calif. Actuating valve for vehicle signals. 1,590,789; June 29.
Wilson, Alexander H., assignor to Thomas Elevator Company, Chicago, Ill. Hoisting machine. 1,590,790; June 29.
Wilson, James C. (See Rothera, L., Carnegie, and Wilson.)
Wilson, William E., Mason City, Iowa, and H. G. Lykken, Minneapolis, Minn. Tunnel kiln. 1,590,462; June 29.
Wired Radio, Inc. (See Duncan, Robert D., jr., assignor.)
Wirtz, Franklin H. (See Shaffner, G. A., and Wirtz.)
Witte, Samuel A., Chicago, Ill. Cuff button. 1,590,337; June 29.
Wittliff, Theodore H., Cleveland, Ohio. Fastening device. 1,590,921; June 29.
Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train-line connecter. 1,590,338; June 29.
Wojciechowski, Frank M., assignor to Marathon Company, Attleboro, Mass. Vanity case or similar article. Des. 70,494; June 29.
Wood, Robert W., Baltimore, Md. Optical toy. 1,590,463; June 29.
Wood, Rufus C., Portland, Oreg. Device for separating metals from dry material. 1,590,339; June 29.
Woolson, Harry T., Detroit, Mich. Clutch brake. 1,590,791; June 29.
Wright, Arthur, Upper Montclair, and F. W. Young, Verona, N. J. Rotary-drum filter. 1,590,401; June 29.
Wright, Edward P. (See Vail, H. P., and Wright.)
Wright, Thomas H., Los Angeles, Calif. Electric monorail engine. 1,590,610; June 29.
Wright, Wallace C., Brookfield, N. H., and D. E. Harding, Arlington, assignors to Harding Engineering Company, East Boston, Mass. Automatic hide-feeding machine. 1,590,611; June 29.
Wurdack, Isabelle K., Normandy, Mo. Chair settee. Des. 70,495; June 29.
Wurts, Waldemar, East Orange, N. J. Artificial tree and similar structure. 1,590,220; June 29.
Wylie, Walker G., jr., Red Bank, N. J. Axminster rug. 1,590,986; June 29.
York, Victor, Los Angeles, Calif. Rotary disk bit. 1,590,340; June 29.
Young, Frank W. (See Wright, A., and Young.)
Young, W. H., et al. (See Russell, S. Harry, assignor.)
Zanchi, Attilio, assignor to Fratelli Schwarzenbach & Co., Seveso San Pietro, Italy. Weaving loom. 1,590,871; June 29.
Zarkin, Charles, New York, N. Y. Adjustable roller bearing. 1,590,713; June 29.
Zeis, George J., Buffalo, N. Y. Ornamental amusement device. 1,590,341; June 29.
Zimmerman, William R., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostatic valve. 1,590,922; June 29.
Zinke, Alois, Gratz, Austria, assignor to Felice Bensa, Genova, Italy. Manufacturing perylene compounds of quinone character. 1,590,661; June 29.
Zopp, August, Modling, near Vienna, Austria. Fret saw. 1,590,488; June 29.
Züblin, Carl, Hamburg, Germany. Stern-tube packing. 1,590,271; June 29.
Zukor, Arnold, New York, N. Y. Train-operated railway gate. 1,590,612; June 29.
Zygalinski, John R., New Haven, Conn. Power shovel. 1,590,662; June 29.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JUNE, 1926.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive material, Sheet. H. Joseph. 1,591,001; June 29.
Absorption apparatus, Continuous. R. Tiedtke and J. Benz. 1,590,266; June 29.
Acid gases, Apparatus for producing sulphurous. I. Hechenbleikner. 1,590,622; June 29.
Acoustic method and apparatus. R. A. Fessenden. Re16,372; June 29.
Adding machines, Attachment for. J. R. Kaiserman. 1,590,946; June 29.
Advertising display device for vehicle wheels. H. A. Hamilton. 1,590,189; June 29.
Aeroplane. A. V. Broquist. 1,590,880; June 29.
Aeroplane fabric and coating the same. T. F. Tesse. 1,590,783; June 29.
Aeroplane with rotating wings. J. de la Cierva. 1,590,497; June 29.
Air-preheating system. J. E. Bell and W. E. Dowd, jr. 1,590,408; June 29.
Air-pressure brake. J. Rihosek and R. L. Leuchter. 1,590,907; June 29.
Air pump. C. A. Simpson and I. C. Vidal. 1,590,705; June 29.
Airship. D. H. Good. 1,590,741; June 29.
Alarm and limited movement lock for doors, Burglar. C. W. Cole. 1,590,182; June 29.
Ammeter receptacle. G. G. Erb. 1,590,354; June 29.
Amplifier. J. S. Stone. 1,590,263; June 29.
Amusement device, Ornamental. G. J. Zeis. 1,590,341; June 29.
Amusement parks, Vehicle for. R. J. Feltner. 1,590,934; June 29.
Anæsthetic compound. R. Adams, E. E. Dreger, and E. H. Volwiler. 1,590,792; June 29.
Angle and T irons, Punch and die for cutting. O. Kahn. 1,590,833; June 29.
Anhydrous zinc chloride, Making. N. C. Christensen. 1,590,229; June 29.
Animal trap. C. D. Boynton. 1,590,879; June 29.
Annunciator. O. Bennett. 1,590,720; June 29.
Arc lights, Feed-control means for. M. L. Patterson. 1,590,543; June 29.
Arc spot welding, Apparatus for. S. C. Probert and F. J. Lamborn. 1,590,314; June 29.
Arm rest. J. P. O'Neill. 1,590,479; June 29.
Auto signal. F. S. Springstead. 1,590,262; June 29.
Automobile attachment, Nonskid. F. Stefanich. 1,590,329; June 29.
Automobile creeper, Nonskid. J. Hearttagen. 1,590,944; June 29.
Automobile radiator-filling device. T. E. Bart. 1,590,221; June 29.
Automobile radiator-heating device. J. W. Swan. 1,590,454; June 29.
Automobile signal casing. J. Nordgren. Des. 70,486; June 29.
Automobile windshields, Glareshield attachment for. C. Blonigen. 1,590,562; June 29.
Automobiles, Emergency-brake-operating lever for. L. R. Armstrong. 1,590,667; June 29.
Automobiles, Engine-cooling means for. L. L. Ballesteros. 1,590,874; June 29.
Automobiles, Glareshield for. N. A. Olssen and W. I. Jones. 1,590,203; June 29.
Automobiles, Traffic signal for. H. R. Ihrig. 1,590,828; June 29.
Bacon-skinning machine. C. W. Swanson. 1,590,708; June 29.
Badge. W. J. Simmons. Des. 70,489; June 29.
Bags, Fastening for band. R. Waugh. 1,590,486; June 29.
Bait, Casting. C. F. Larzelere and I. G. Foulk. 1,590,529; June 29.
Barrel pump, Self-measuring. G. U. Brake. 1,590,805; June 29.
Bathtub. F. M. Davis. 1,590,286; June 29.
Battery construction, Electric. E. Taylor. 1,590,605; June 29.
Battery grid and making the same. L. G. Stecker. 1,590,962; June 29.
Battery-post seal. J. H. Miller. 1,590,474; June 29.
Bills for knotter, Making tying. B. A. Peterson. 1,590,953; June 29.
Binder, Temporary. G. P. Wiggington. 1,590,460; June 29.
Bit: *See*—
Disk bit.

Blasting cap, Electric. H. L. Grant. 1,590,364; June 29.
Board: *See*—
Ironing board.

Boat. E. H. Harper. 1,590,975; June 29.
Bobbin, Interchangeable. A. D. Muller. 1,590,539; June 29.
Bobbins, Device to prevent rotation of. R. G. Turner. 1,590,398; June 29.
Boiler-soot cleaner. F. W. Linker and T. M. Brubaek. 1,590,300; June 29.
Boiler: *See*—
Pressure boiler.

Boiler tube. J. A. Doble. 1,590,812; June 29.
Bolt: *See*—
Closure-fastening bolt.

Bottle opener and cover, Combination milk. R. B. Spikes. 1,590,557; June 29.
Bottle-sealing machine. H. M. Ross. 1,590,955; June 29.
Box: *See*—
Gas shut-off valve box. Match and toothpick dispensing box.

Boxes and the like into open position, Means for bringing folded outer boxes for push. G. C. Ekström. 1,590,567; June 29.
Bracelet or similar article. E. S. Smith. Des. 70,491; June 29.
Braiding or plaiting machine. A. Baege. 1,590,179; June 29.
Brake mechanism, Draw-works. A. H. Davis. 1,590,675; June 29.
Brake: *See*—
Air-pressure brake. Fluid-pressure brake.
Clutch brake.

Brake or clutch band lining. G. K. Gillette. Re16,869; June 29.
Brake-shoe art. L. F. Moore. 1,590,847; June 29.
Brake-valve device. H. E. Simi. 1,590,326; June 29.
Brassière. E. C. McKeefrey. 1,590,693; June 29.
Brazing machine. T. C. Sheehan. 1,590,210; June 29.
Bread and pastry implement. M. L. Lee. 1,590,633; June 29.
Bridge score, Cover for. C. Goldstein. Des. 70,473; June 29.
Briquette. H. M. Spencer. 1,590,706; June 29.
Brush. C. C. Trester. 1,590,267; June 29.
Brush, Magazine shaving. R. E. Prusso. 1,590,547; June 29.
Burial-vault handle. D. D. Myers. Des. 70,484; June 29.
Button, Cuff. S. A. Witte. 1,590,537; June 29.
Button fastening. H. W. Miller. 1,590,771; June 29.
Bearing, Adjustable roller. C. Zarkin. 1,590,713; June 29.
Bearing mounting, Antifriction. H. E. Brunner. 1,590,181; June 29.
Bearings, Self-lubricating journal. A. H. Peters. 1,590,392; June 29.
Bed cover, Child's. M. G. Kalman. 1,590,522; June 29.
Bedstead, Extensible. D. C. Travis and C. A. Soans. 1,590,785; June 29.
Belt fastener. A. S. Fetterman. 1,590,433; June 29.
Belt-lacing clipper. R. Contreras. 1,590,808; June 29.
Bevel and level, Combination. E. E. Granstrom. 1,590,575; June 29.
Burner: *See*—
Fuel burner. Oil burner.
Hydrocarbon burner.

Cabinet, Extension. E. W. Cummings. 1,590,674; June 29.
Cabinet, Ice. H. Shultz. 1,590,653; June 29.
Cabinet, Kitchen. V. S. Lewis. 1,590,692; June 29.
Cabinet, Metal. E. Foose. 1,590,571; June 29.
Cabinet, sound-reproducing. A. R. Swearingen. Des. 70,492; June 29.
Calculating machine. O. Wernecke. 1,590,920; June 29.
Camera, Stereoscopic motion-picture. C. Boulin. 1,590,804; June 29.
Camp kit. E. J. McDonald. 1,590,586; June 29.
Can-filling machine. A. F. I. Bell. 1,590,278; June 29.
Can opener. V. G. Moss. 1,590,476; June 29.
Cans, Testing filled and closed. B. S. Clark. 1,590,736; June 29.
Cap, Knitted. I. Schlesinger. 1,590,322; June 29.
Car coupler. R. L. Ballou. 1,590,489; June 29.
Car-coupler unit. R. L. Ballou. 1,590,490; June 29.

Car-door-releasing mechanism, Dump. J. O. Nelkirk and W. E. Morey. 1,590,309; June 29.
Car lock. S. Manchester. 1,590,307; June 29.
Car, Mine. H. W. Sanford. 1,590,254; June 29.
Car-truck construction. S. J. Raetz. 1,590,315; June 29.
Car wheel, Cast-steel. M. S. Vincent. 1,591,003; June 29.
Cars, Draft rigging for railway. E. G. Goodwin. 1,590,620; June 29.
Cars, Dynamo drive for railway. A. Parent. 1,590,891; June 29.
Cars, Mud guard for motor. H. W. Hvlid and J. A. Jensen. 1,590,375; June 29.
Cards bearing corresponding data, Apparatus for the mechanical assembling of statistical. C. H. Stuivenberg. 1,591,005; June 29.
Carrier: *See*—
Lantern-slide carrier.

Carrier and trunk rack, Adjustable luggage. W. R. Green. 1,590,972; June 29.
Cart, Cable-operated logging. D. W. Merrill. 1,590,808; June 29.
Cart, Harrow seat. W. H. Cording. 1,590,810; June 29.
Cartridge plug, Sporting-gun. V. Deschiens. 1,590,501; June 29.
Casket, Burial. J. P. Hill. 1,590,824; June 29.
Case: *See*—
Pocket case.

Catalysts, Production of metallic. E. J. Lush. 1,590,897; June 29.
Cattle gap. H. Bohl. 1,590,878; June 29.
Cattle-stunning device. L. J. Ring. 1,590,318; June 29.
Cell, Battery. S. Apostoloff. 1,590,715; June 29.
Cell, Primary. S. Apostoloff. 1,590,873; June 29.
Cellular or fibrous material, Conversion of. E. Taylor and E. F. Chandler. 1,590,592–3; June 29.
Cellulose, Manufacture of. T. A. Hill. 1,590,595; June 29.
Cellulose products, Manufacture of. E. Taylor. 1,590,603; June 29.
Centrifugal machine. C. A. Olcott. 1,591,004; June 29.
Chain, Coal-cutting. F. J. Oakes. 1,590,821; June 29.
Chair for machine operators. G. Gorton. 1,590,240; June 29.
Chair-settee. I. K. Wurdack. Des. 70,495; June 29.
Checkstrap and binder-spring holder for loom lay beams, Combined. W. E. Cooley and B. L. Ferguson. 1,590,809; June 29.
Cheese having an increased or supplemented vitamine content, Preparation of. H. Liebers. 1,590,837; June 29.
Chimney stop. J. H. Sutton. 1,590,396; June 29.
Chlorides, Producing organic. R. Thurm. 1,590,265; June 29.
Christmas-tree holder. J. F. Waldelich. 1,590,214; June 29.
Christmas trees, Musical ornament for. O. F. Keydel. 1,590,524; June 29.
Chuck. R. B. Buchanan. 1,590,280; June 29.
Cinematograph or like film. H. Kuypers. 1,590,979; June 29.
Circuit-controlling device. C. E. Warner. 1,590,215; June 29.
Clasp: *See*—
Jewelry clasp.

Cleaner: *See*—
Boiler-soot cleaner.

Clip. E. O. Frederics. 1,590,187; June 29.
Clock, Watchman's time-recording. P. W. Kane. 1,590,630; June 29.
Closet: *See*—
Vapor closet.

Closet vent. T. M. Clarke. 1,590,345; June 29.
Closure and making the same, Reenforced-fiber container. E. F. Hulbert. 1,590,755; June 29.
Closure cap. W. P. White. 1,590,787; June 29.
Closure-fastening bolt. C. S. Bock. 1,590,803; June 29.
Closures, Making container. E. F. Hulbert. 1,590,754; June 29.
Closures, Making reenforced. E. F. Hulbert. 1,590,753; June 29.
Clothesline-supporting device. W. J. White. 1,590,659; June 29.
Clutch brake. H. T. Woolson. 1,590,791; June 29.
Clutch, Hydraulic. A. N. Tebbs. 1,590,332; June 29.
Clutch mechanism, Reversible. E. J. Doncaster. 1,590,676; June 29.
Collapsible tube. H. M. Heath. 1,590,822; June 29.
Collapsible tube. C. J. Rohland. 1,590,853; June 29.
Colloidal material, Production of. E. Taylor, E. F. Chandler, and T. A. Hill. 1,590,596; June 29.
Comparator. L. W. Chubb. 1,590,420; June 29.
Compressor. C. E. L. Lipman. 1,590,766; June 29.
Concrete-block machines, Tamping mechanism for. L. M. Parkhurst. 1,590,542; June 29.
Concrete tile. A. G. Hatch. 1,590,744; June 29.
Condenser. F. H. McSweeney and J. C. Rogers. 1,590,899; June 29.
Container. H. R. Bliss. 1,590,411; June 29.
Container. E. F. Hulbert. 1,590,747; June 29.
Container, Collapsible. J. H. and G. D. McManus. 1,590,636; June 29.
Container, Combination. E. M. Harris. 1,590,942; June 29.
Container, Dished-head. E. F. Hulbert. 1,590,756; June 29.
Container, Display. G. N. Helfrich. 1,590,683; June 29.
Container, Fiber. E. F. Hulbert. 1,590,751–2; June 29.
Container, Reenforced. E. F. Hulbert. 1,590,748; June 29.
Containers, Making. E. F. Hulbert. 1,590,749; June 29.
Containers, Making. E. F. Hulbert. 1,590,750; June 29.
Containers, Making. E. F. Hulbert. 1,590,757; June 29.
Control and equalizing systems. R. E. Hellmund. 1,590,507; June 29.
Control apparatus. B. Austin. 1,590,406; June 29.
Control apparatus. L. J. Hibbard. 1,590,509; June 29.
Control system. M. O. Bayless. 1,590,275; June 29.
Conveyer belt. C. A. Bryant. 1,590,884; June 29.
Cooling apparatus. G. E. Hulse. 1,590,513–4; June 29.
Cord machine. A. Sgritta. 1,590,325; June 29.
Core drill, Rotary. G. Kammerer and F. Hill. 1,590,378; June 29.
Corn header. W. F. Hamilton. 1,590,577; June 29.
Cottonseed huller. R. W. McLean. 1,590,305; June 29.
Counterboring tool. E. Gairing. 1,590,679; June 29.
Coupling: *See*—
Fluid coupling. Pipe coupling.

Counting articles of different kinds, Device for. J. Höltermand. 1,590,687; June 29.
Crane, Gantry. C. E. Fuller. 1,590,990; June 29.
Crating beds, Packing bolt for. J. B. Sechrist. 1,590,257; June 29.
Cribs, Hook for rolling. F. S. Rece. 1,590,550; June 29.
Crosshead and guide. F. W. Parsons. 1,590,253; June 29.
Crystal detector. H. Gernsback. 1,590,236; June 29.
Cultivator, Agricultural. A. B. Counts. 1,590,498; June 29.
Cultivator, Wheeled. H. E. Altgelt. 1,590,664; June 29.
Cultivator, Wheeled. H. E. Altgelt. 1,590,665; June 29.
Cup for varnish and the like, Strainer. A. Fredette. 1,590,572; June 29.
Cups, Lock cap for grease. A. G. Williams and A. Kipp. 1,590,487; June 29.
Current motor, Alternating. L. H. A. Carr. 1,590,419; June 29.
Cutter guard. L. B. Whipple. 1,590,336; June 29.
Cutting tool, Rotatable. J. J. McGuckin. 1,590,201; June 29.
Dadoing and relishing machine, Combined. J. G. Carrier. 1,590,344; June 29.
Deck-coating material, Anchoring device for. C. Schack. 1,590,650; June 29.
Decorating material. A. Y. Pearl. 1,590,850; June 29.
Density of finely-divided material, Increasing the. E. T. Asplundh. 1,590,795; June 29.
Dental bridge, Removable. C. Gisske. 1,590,363; June 29.
Dental prosthetics. C. I. Stoloff. 1,590,963; June 29.
Detector: *See*—
Crystal detector. Radio detector.

Direction indicator. J. M. Quigley and C. E. Quigley. 1,590,548; June 29.
Disk bit, Rotary. V. York. 1,590,340; June 29.
Dishwasher. C. F. Doble. 1,590,230; June 29.
Dishwasher. M. E. Schramm. 1,590,914; June 29.
Dispensing container. S. Forman. 1,590,968; June 29.
Dispensing machine. H. B. Cooley. 1,590,926; June 29.
Display cabinet. J. P. Necessary and G. E. Shinkle. Des. 70,485; June 29.
Display fixture. J. V. Neville. 1,590,903; June 29.
Display rack. C. A. Rebhun. 1,590,316; June 29.
Display stand. W. J. Fogarty. Des. 70,472; June 29.
Distillation of solid material. O. Lasche and C. Geissen. 1,590,895; June 29.
Doll. C. P. McAuley. 1,590,898; June 29.
Doll with voice, Walking. O. Gaus. 1,590,437; June 29.
Door and locking means therefor. G. H. Piggot. 1,590,441; June 29.
Doorcheck. H. C. Bosserdet. 1,590,414; June 29.
Door closer and lock, Automatic. W. B. Hurd. 1,590,690; June 29.
Door holder. S. J. Rawlings. 1,590,394; June 29.
Doorknobs, Cover for. F. S. Julius. 1,590,629; June 29.
Door opener. R. N. Flack and L. D. Sturm. 1,590,570; June 29.
Door-operating mechanism. J. G. Robinson. 1,590,443; June 29.
Door-operating mechanism. W. Sattele. 1,590,256; June 29.
Door, Shower-bath. E. G. Reinhardt. 1,590,206; June 29.
Doors or the like, Method of making metallic. H. H. Lewis, F. P. McBerty, A. V. Cutler, and E. B. Rausch. 1,590,836; June 29.
Dope and process for the manufacture of the same, Transparent. T. F. Tesse. 1,590,782; June 29.
Draft device, Convertible safety and positive. M. A. Sagen. 1,590,857; June 29.
Draft gear, Friction. E. H. Walker. 1,590,712; June 29.
Draft rigging. B. W. Kadel. 1,590,832; June 29.
Drain, Main. A. W. Grimm. 1,590,365; June 29.
Drawing frame. H. Tunstall. 1,590,710; June 29.
Dress material and producing the same, Ornamental. C. L. Weyand. 1,590,335; June 29.
Dressing table, Infant's. H. L. Caldwell and M. A. Caldwell. 1,590,228; June 29.
Drier. W. M. Barker. 1,590,798; June 29.

Drill: *See*—
Core drill.
Drilling head. M. Hanff. 1,590,681; June 29.
Drills, Air-feed control for rock. G. W. Hulshizer. 1,590,243; June 29.
Drills, Guide for portable. A. Neuwelt. 1,590,643; June 29.
Drills, Handle for rock. G. G. Tuttle. 1,590,268; June 29.
Drills, Lug chuck for rock. L. G. Bayles and F. M. Slater. 1,590,222–3; June 29.
Drum filter, Rotary-. A. Wright and F. W. Young. 1,590,401; June 29.
Dry cell. S. Apostoloff. 1,590,716–17; June 29.
Drying rack. F. S. Ray. 1,590,698; June 29.
Dust and insect proof package. J. Duvall. 1,590,815; June 29.
Dye, Vat sulphide. F. Ballauf, F. Muth, and A. Schmelzer. 1,590,718; June 29.
Dyestuffs containing metals and making same. F. Straub and H. Schneider. 1,590,482; June 29.
Dyestuffs, Manufacture of yellow azo. A. Dorrer. 1,590,728; June 29.
Dyestuffs of the 2-thionaphthene-2-indolindigo series, Violet vat. R. Herz and W. Brunner. 1,590,685; June 29.
Egg beater and drink mixer. L. W. Jones. 1,590,831; June 29.
Egg-opening device. J. F. Donovan. 1,590,813; June 29.
Egg protector. M. D. Vollmer. 1,590,485; June 29.
Electric circuits, Condenser for. W. Fuhrmann. 1,590,678; June 29.
Electric connecter plug. F. W. Hewitt. 1,590,823; June 29.
Electric currents, Apparatus for measuring. J. Fritz. 1,590,970; June 29.
Electric discharge tube. C. Bol and B. van der Pol. 1,590,413; June 29.
Electric distributing system. W. J. Fisk. 1,590,569; June 29.
Electric-light bulbs, Mounting for. D. R. McGregor. 1,590,249; June 29.
Electric machines, Combined exciting and damper winding for dynamo-. C. L. G. Fortescue and H. G. Jungk. 1,590,436; June 29.
Electric monorail engine. T. H. Wright. 1,590,610; June 29.
Electric timer, Rotary. J. C. Morgan. 1,590,475; June 29.
Electrical coils, Machine for making. W. L. Miller. 1,590,589; June 29.
Electrical connecter and fixture-supporting device, Combination. C. L. Hopkins. 1,590,512; June 1.
Electrical control system. C. L. Howse. 1,590,194; June 29.
Electrical meter. R. Simpson. 1,590,449; June 29.
Electrical signaling method. F. E. Pernot. 1,590,951; June 29.
Electrical system. A. Nyman and E. B. Newill. 1,590,478; June 29.
Electrical tap socket. J. Precious. 1,590,954; June 29.
Electrolytic apparatus. E. Taylor and E. F. Chandler. 1,590,609; June 29.
Electrode. W. Falkenberg. 1,590,931; June 29.
Electrolytic cell. E. Taylor. 1,590,604; June 29.
Electron-discharge device. J. M. Eglin. 1,590,352; June 29.
Engine: *See*—
Electric monorail engine. Gas engine.
Explosive engine. Internal-combustion engine.
Engine starter. M. B. Jackson. 1,590,758; June 29.
Engine starter. M. B. Jackson. 1,590,759; June 29.
Engines, Economizer for internal-combustion. H. F. Gordon. 1,590,503; June 29.
Engines, Fuel pump for internal-combustion. L. Ilmer. 1,590,244; June 29.
Engines, Spark-advance governor for internal-combustion. E. Moore. 1,590,772; June 29.
Enzymes and isolating them from their solutions. H. Altgelt and O. Hochmuth. 1,590,663; June 29.
Eradicator machines, Control of series. C. L. G. Fortescue. 1,590,435; June 29.
Evaporator, Skimming. R. H. Jackson. 1,590,945; June 29.
Excavator. A. M. Hood. 1,590,192–3; June 29.
Exhaust motor. K. Rumrich. 1,591,002; June 29.
Explosive engine, Revolving. H. G. Haase. 1,590,368; June 29.
Fabric or similar article, Woven. L. Bluhm. Des. 70,462–3; June 29.
Fabric, Pile. J. Leiper. Des. 70,483; June 29.
Fabric strips with rubber, Method of and apparatus for edging. U. Harem. 1,590,371; June 29.
Fabrics, Pin for. C. W. Bragg. 1,590,415; June 29.
Farrowing house. E. B. Morris. 1,590,982; June 29.
Fastening device. T. H. Wittliff. 1,590,921; June 29.
Faucet. H. F. Neumeyer. 1,590,251; June 29.
Feeder. W. B. Story. 1,590,213; June 29.
Feeder, Poultry. J. Roat. 1,590,909; June 29.
Fertilizer mixer. M. A. Lokey. 1,590,634; June 29.
Fibrous or cellular organic material, Treatment of. E. Taylor. 1,590,594; June 29.
Filter. F. F. Frick. 1,590,233; June 29.
Filter device. H. J. Kuhn and E. C. Harris. 1,590,950; June 29.
Finishing wheel. E. Ashton. 1,590,343; June 29.
Fire preventing and extinguishing means. W. Black. 1,590,877; June 29.
Fitting. L. M. Nelson, jr. 1,590,775; June 29.
Flash light. W. F. Hendry and C. J. Nelson. 1,590,623–5; June 29.
Flatiron support. A. Tanron. 1,590,455; June 29.
Flax-pulling machine. R. L. Taylor. 1,590,709; June 29.
Flier spinning, doubling, and like machines, Doffing mechanism for. A. and J. Stell and H. Welch. 1,590,865; June 29.
Floor-surfacing machine. J. A. Campbell. 1,590,671; June 29.
Flooring material. C. Schack. 1,590,649; June 29.
Flotation agent. A. L. Klees. 1,590,196; June 29.
Fluid coupling. B. J. Klinkosh. 1,590,465; June 29.
Fluid-pressure brake. C. C. Farmer. 1,590,356; June 29.
Fly swatter. G. A. Moore. 1,590,846; June 29.
Fly trap. C. E. Lebrecht. 1,590,439; June 29.
Flywheel. J. C. Bohmker. 1,590,493; June 29.
Foil, Manufacturing. E. Czapek and R. Weingand. 1,590,999; June 29.
Folding machine, Cornucopia-. G. A. Shaffer and F. H. Wirtz. 1,590,652; June 29.
Foot rest. R. N. King. 1,590,382; June 29.
Forging mechanism. F. M. Lee. 1,590,583; June 29.
Frame: *See*—
Drawing frame. Tube frame.
Side frame.
Fuel burner. H. F. Clayton. 1,590,989; June 29.
Furnace. A. A. Holbeck. 1,590,373; June 29.
Furnace. C. G. Kaiser. 1,590,379; June 29.
Furnace door. F. W. Martin. 1,590,769; June 29.
Furnaces, Oil burner for. R. Crinnian. 1,590,614; June 29.
Furnaces, Refractory block used in building metallurgical. L. S. Longenecker. 1,590,303; June 29.
Furniture. R. K. Salomon. 1,590,444; June 29.
Furniture repairs, Dowel locator for. E. L. Vondersaar 1,590,459; June 29.
Furring and fastening device. O. T. Crowe. 1,590,424; June 29.
Game. S. C. Sweigart. 1,590,264; June 29.
Games, Golf clubs, cricket bats, and other striking implements used in. G. Marsh. 1,590,469; June 29.
Gangway, Loading. J. G. Richards. 1,590,371; June 29.
Garment supporter. J. M. Scallen. 1,590,985; June 29.
Gas, Apparatus for compressing. W. M. Jewell. 1,590,518; June 29.
Gas engine. F. M Hallett. 1,590,940; June 29.
Gas generator, Acetylene-. P. F. Willis. 1,590,219. June 29.
Gas-producing apparatus. E. L. Broome. 1,590,279; June 29.
Gases and apparatus therefor, Recovering and purifying waste. G. J. Burns and J. E. Best. 1,590,885; June 29.
Gate: *See*—
Railway gate.
Gauge: *See*—
Weight gauge.
Gauge. J. Wahl and O. Melzer. 1,590,919; June 29.
Gear. N. Trbojevich. Re16,371; June 29.
Gear puller. F. Tindell. 1,590,918; June 29.
Gear-speed transformer, Universal. W. Natisch. 1,590,902; June 29.
Geared limit switch. W. E. Menzies. 1,590,471; June 29.
Genring. T. H. Mars. 1,590,536; June 29.
Gearing, Reduction. R. P. Lansing. 1,590,528; June 29.
Gears, Machine and method for producing. C. H. Logue. 1,590,466; June 29.
Generator: *See*—
Gas generator.
Glass: *See*—
Sheet glass.
Glass, Apparatus and process for making sheet. F. Gelstharp. 1,590,819; June 29.
Glass, Apparatus for making sheet. F. Gelstharp. 1,590,820; June 29.
Glass-forming machine. A. N. Cramer. 1,590,423; June 29.
Glass, Method of and apparatus for feeding. O. A. Bridges. 1,590,924; June 29.
Gold-extracting machine, Centrifugal. J. E. Logan. 1,590,584; June 29.
Graphic meter pointer. H. P. Sparkes. 1,590,452; June 29.
Grate lock. H. Craddock. 1,590,811; June 29.
Gravity mixer. A. J. Sackett. 1,590,647; June 29.
Grinding. L. R. Helm. 1,590,190; June 29.
Grinding apparatus and the like, Lining for. H. N. Spicer. 1,590,655; June 29.
Gummed strips, Manufacture of. B. G. Bundy. 1,590,732; June 29.
Guns, Apparatus for sighting. S. L. G. Knox. 1,590,835; June 29.
Hair holder, Bobbed-. G. P. Hoppmann. 1,590,746; June 29.
Hairpin. G. M. Taggart, jr., and F. M. Nichols. 1,590,780; June 29.
Hammer, Safety lock for air. A. Quaite. 1,590,442; June 29.
Hammers, Automatic safety device for pneumatic. C. B. Wade. 1,590,269; June 29.
Hay baler. J. E. Robbins. 1,590,319; June 29.
Hay shaker and seed sifter, Automatic. J. F. Shelton. 1,590,259; June 29.

Headlight, Automobile. C. H. Montague. 1,590,695; June 29.
Headlight, Dirigible. E. Koski. 1,590,527; June 29.
Headlight indicator. A. E. Kammritz. 1,590,947; June 29.
Headlight projector. C. G. Hill. 1,590,993; June 29.
Headlight rims, Cover for. A. A. Nelson. 1,590,310; June 29.
Heat exchanger. J. Le Valley. 1,590,247; June 29.
Heater: *See*—
Orchard heater. Water heater.
Heating apparatus. R. A. Irle. 1,590,581; June 1.
Heating apparatus. A. M. Mertzanoff. 1,590,588; June 29.
Heating attachment, Motor-vehicle. L. Machado. 1,590,248; June 29.
Heating device. T. J. Kelly. 1,590,948; June 29.
Heating purposes, Gas burner for. H. E. Kerr. 1,590,195; June 29.
Heating unit, Electric. A. J. Mottlau. 1,590,477; June 29.
Hide-feeding machine, Automatic. W. C. Wright and E. Harding. 1,590,611; June 29.
Highway construction. E. D. Kinney. 1,590,526; June 29.
Hinge. A. Andreotti. 1,590,177; June 29.
Heels, Making. J. E. M. Cooke. 1,590,347; June 29.
Hoisting machine. A. H. Wilson. 1,590,790; June 29.
Holder. K. Seko. 1,590,960; June 29.
Hollow article and making same, Seamless. F. M. Becket. 1,590,277; June 29.
Honing device. E. A. Lavallee. 1,590,386; June 29.
Hood, Continuous-burning. C. E. Fuller. 1,590,991; June 29.
Horn, Automobile. G. R. Bannister. 1,590,797; June 29.
Hose holder. W. E. Ramrill. 1,590,910; June 29.
House: *See*—
Farrowing house.
Huller: *See*—
Cottonseed huller.
Humidifier. W. G. Hodge. 1,590,893; June 29.
Hydrocarbon burner. C. A. Berkins. 1,590,669; June 29.
Hydrocarbons, Purification of. C. R. Downs. 1,590,905; June 29.
Hydrocarbons, Treating. J. R. McConnell. 1,590,841; June 29.
Ice-cream cone. L. H. Lanier. Des. 70,482; June 29.
Ice-cream freezer. J. W. Goddard. 1,590,939; June 29.
Ignition element. J. A. Heany. 1,590,891; June 29.
Ignition system. J. A. Heany. 1,590,892; June 29.
Ignition system. J. H. Hunt. 1,590,827; June 29.
Ignition system. L. D. Kellogg. 1,590,631; June 29.
Images, Method of and apparatus for producing sharp Röntgen. O. Goetze. 1,590,971; June 29.
Incrustations, Composition of matter for removing. M. E. Stewart. 1,590,915; June 29.
Incubator. S. R. Ramsay. 1,590,549; June 29.
Indicator: *See*—
Direction indicator. Purchase indicator.
Liquid-level indicator. Temperature indicator.
Insulated electrical conductor and the like. T. Edwin. 1,590,608; June 29.
Insulated electrical conductors and the like, Making. E. Taylor. 1,590,599; June 29.
Insulating compound. C. Pickstone. 1,590,644; June 29.
Insulator cap. B. W. Kerr. 1,590,381; June 29.
Insulators, Apparatus for molding tubular. F. R. Sundermann. 1,590,707; June 29.
Insulators, Testing. A. Vaupel. 1,590,457; June 29.
Internal-combustion engine. W. Goodfellow. 1,590,574; June 29.
Internal-combustion engine. A. L. Powell. 1,590,204; June 29.
Iron: *See*—
Soldering iron.
Iron, Desulphurizing. G. S. Evans. 1,590,730; June 29.
Iron, Purification of. G. S. Evans. 1,590,739; June 29.
Iron, Refining of. G. S. Evans. 1,590,731; June 29.
Ironing board. F. Grzeszkiewicz. 1,590,241; June 29.
Ironing board. W. N. Miller. 1,590,390; June 29.
Ironing board, Closeted. A. F. Wasmuth. 1,590,786; June 29.
Ironing boards, Padding cover for. R. F. Polski. 1,590,983; June 29.
Jack: *See*—
Lifting jack.
Jars and cans, Beading machine for caps for. S. N. Tevander. 1,590,334; June 29.
Jars, Corling machine for caps for. S. N. Tevander. 1,590,333; June 29.
Jewelry clasp. C. H. Tate and E. R. Nebeling. 1,590,781; June 29.
Joint: *See*—
Pipe joint.
Spectacle and like joint. Universal joint
Keyboard and chart, Combined. C. C. Balston. 1,590,998; June 29.
Kiln. H. Freeborough. 1,590,935; June 29.
Kiln, Tunnel. W. E. Wilson and H. G. Lykken. 1,590,462; June 29.
Knitting machine. C. C. Krieble. 1,590,293–4; June 29.
Knitting machine and pattern mechanism. K. Howie. 1,590,295; June 29.
Knitting machines, Pattern mechanism for. K. Howie and W. O. Taylor. 1,590,292; June 29.
Label-applying mechanism. P. H. Grimmand and F. L. Cocks. 1,590,367; June 29.
Lamp mounting. S. W. Hyatt. 1,590,376; June 29.
Lamps, Automatic contact device for use in pocket. F. R. Pilivič. 1,590,541; June 29.
Lantern-slide carrier. W. J. Semelroth. 1,590,704; June 29.
Last. D. R. Cooper. 1,590,737; June 29.
Latch handles and shanks, Connecting. L. W. Gates. 1,590,680; June 29.
Lath, Metal. G. F. Voight. 1,590,458; June 29.
Lead-pointing device, Writing-. R. D. Stevenson. 1,590,330; June 29.
Lenses, Fusing clip for bifocal. G. A. Clement. 1,590,673; June 29.
Letter-box post. H. Coates. 1,590,725; June 29.
Lifting jack. L. Nilson. 1,590,848–9; June 29.
Lifting jack, Pneumatic. S. Jewkes. 1,590,830; June 29.
Light. J. A. Dawson. 1,590,348; June 29.
Lighting fixture. R. W. Schweiker. 1,590,959; June 29.
Lighting-fixture bracket. P. Siptrott. Des. 70,490; June 29.
Lighting fixtures, Backplate for. A. Dvorak. Des. 70,471; June 29.
Lighting fixtures, Brace for. A. Schmitt. Des. 70,487; June 29.
Line, Artificial. H. S. Osborne. 1,590,252; June 29.
Linotype machines, Copy holder-for. H. D. Reese, C. S. Edwards, and J. L. Bach. 1,590,551; June 29.
Liquid-feeding apparatus. J. D. Sartakoff. 1,590,321; June 29.
Liquid in a vessel containing both the liquid and its vapor, Apparatus for determining the level of heated. R. W. Hanna and W. D. Mason. 1,590,505; June 29.
Liquid-level indicator. C. A. de Giers. 1,590,287; June 29.
Liquid-level indicator. R. C. Rutzke. 1,590,553; June 29.
Liquid screen for industrial purposes. E. Honeyman. 1,590,688; June 29.
Liquids, Apparatus for aerating. C. B. Liddell. 1,590,299; June 29.
Loading and conveying mechanism. C. A. Bryant. 1,590,883; June 29.
Lock: *See*—
Grate lock. Oar lock.
Mail-bag lock. Tumbler lock.
Nut lock.
Lock. J. Konig. 1,590,297; June 29.
Lock switch. J. E. Smisor. 1,590,555; June 29.
Locking hinge, Lid-prop-. V. H. Brown. 1,590,416; June 29.
Loom shuttle. J. A. Jarvis. 1,590,829; June 29.
Loom, Weaving. A. Zanchi. 1,590,871; June 29.
Looms, Color indicator for weft-replenishing. C. A. Diggins. 1,590,350; June 29.
Looms, Feeler mechanism for. H. A. Davis. 1,590,564; June 29.
Looms, Feeler mechanism for. P. Keegan. 1,590,760; June 29.
Looms, Feeler mechanism for. G. H. Willard. 1,590,788; June 29.
Looms, Filling-carrier receiver for replenishing. W. I. Stimpson and A. E. Stafford. 1,590,779; June 29.
Looms, Picker-stick motion for. H. A. Davis. 1,590,425; June 29.
Loud speaker, Portable. C. G. Durett. 1,590,814; June 29.
Lubricant. A. E. Becker. 1,590,800; June 29.
Lumber-stamping device. J. J. Rettmer. 1,590,905; June 29.
Magneto. W. W. Hawkins 1,590,506; June 29.
Mail-bag lock. R. L. Shannon. 1,590,258; June 29.
Manifolding devices, Starting mechanism for. W. E. Oliver. 1,590,777; June 29.
Map and holder, Road. J. R. Seaquist. 1,590,862; June 29.
Marble and stone, Making artificial. O. Kell. 1,590,523; June 29.
Marking articles, Method and device for. W. H. Eseman and H. E. Strunk. 1,590,431; June 29.
Marking machines, Type element for. F. A. Putnam. 1,590,851; June 29.
Masks, Gas. R. Bello. 1,590,668; June 29.
Match and toothpick dispensing box. A. Schaffner. 1,590,957; June 29.
Match safe. J. E. Neahr. 1,590,202; June 29.
Material-handling apparatus. F. E. Hulett. 1,590,826; June 29.
Materials, Method and apparatus for conditioning. D. S. Baker. 1,590,273; June 29.
Measuring instrument. E. G. Cozad. 1,590,499; June 29.
Measuring instrument, Combination precision. G. Schustarich. 1,590,651; June 29.
Meat products, Manufacturing. A. E. Magers. 1,590,306; June 29.
Mechanical movement. F. E. Dayton and C. H. Edwards. 1,590,426; June 29.
Mechanical movement. T. C. Korsmo. 1,590,246; June 29.
Merry-go-round. H. D. Clayton. 1,590,887; June 29.
Merry-go-round, Inclined. W. D. Molby. 1,590,845; June 29.
Metal crosstie. M. V. Gearon. 1,590,235; June 29.
Metal-cutting tool. J. I. Misener. 1,590,994; June 29.
Metal piling, Rolled-. J. Lindenlauf. 1,590,301; June 29.

Metals, Condensing apparatus in connection with an electric furnace for the production of volatile. F. Juretzka. 1,590,521; June 29.
Metals from dry material, Device for separating. R. C. Wood. 1,590,339; June 29.
Meter: *See*—
Crest volt meter. Electrical meter.
Meter attachment. A. J. Allen. 1,590,404; June 29.
Mine-car axle, Differentiating. W. L. Scribner. 1,590,859–61; June 29.
Mining machine. J. M. London. 1,590,585; June 29.
Mixer: *See*—
Fertilizer mixer. Gravity mixer.
Mold: *See*—
Tire-vulcanizing mold.
Molding articles. O. Linder. 1,590,765; June 29.
Molding insole flanges, Machine for. A. H. Prenzel. 1,590,904; June 29.
Molding shaped articles such as containers for milk, cream, jam, and the like from fibrous pulp, Process of or an apparatus for. W. Roy. 1,590,956; June 29.
Mop-frame structure. O. P. D. Hendrick-Collette. 1,590,684; June 29.
Motion of bodies, Preventing the angular. J. B. Henderson. 1,590,977; June 29.
Motor: *See*—
Exhaust motor.
Motor. C. L. Boisset. 1,590,225; June 29.
Motor. W. Falcon. 1,590,677; June 29.
Motors, Commutator for internal-combustion. W. H. Blatchley. 1,590,802; June 29.
Mower, Lawn. J. Erdman. 1,590,928; June 29.
Multishade effects and making same, Transfer for producing. H. S. Sadtler. 1,590,648; June 29.
Music-sheet turner, Automatic. M. V. Ventrella. 1,590,711; June 29.
Musical instrument, Stringed. C. S. Weber. 1,590,869; June 29.
Nitric acid in a column, Concentrating. W. Büsching. 1,590,494; June 29.
Nursing bottles, Support for. F. J. Britton. 1,590,227; June 29.
Nut lock. C. C. Cunningham. 1,590,888; June 29.
Oil burner. R. N. Angevine. 1,590,872; June 29.
Oil burner. F. M. Daugherty. 1,590,727; June 29.
Oil dispenser. C. W. Harris and J. M. Reynolds. 1,590,578; June 29.
Oil-pumping equipment, Counterbalance hook-off for. J. R. Gigmoux and T. Severns. 1,590,438; June 29.
Oil saver. S. H. Russell. 1,590,911; June 29.
Oil-separating apparatus. C. F. Williams. 1,590,870; June 29.
Oil, System of treating. H. P. Taber. 1,590,656; June 29.
Oil-well underreamer. W. H. S. Moore. 1,590,778; June 29.
Oils, Extracting nickel and cobalt from ferruginous. F. O. Kichline. 1,590,525; June 29.
Oils, Manufacturing oils of a low-boiling point from mineral heavy. T. Mil. 1,590,640; June 29.
Oiling device. B. F. Campbell. 1,590,418; June 29.
Oiling device. F. A. Dahle. 1,590,500; June 29.
Ophthalmic mounting. N. M. Baker. 1,590,274; June 29.
Ophthalmic mounting. E. L. Schumacher and W. H. Boutelle. 1,590,324; June 29.
Optical apparatus. H. Wild. 1,590,461; June 29.
Optical blanks, Apparatus for forming. T. Rotheram. 1,590,855; June 29.
Optical systems, Method and arrangement for the examination and the regulation of. L. Lenouvel. 1,590,532; June 29.
Orchard heater. G. A. and D. Smith. 1,590,327; June 29.
Organic material and apparatus therefor, Treating. E. Taylor. 1,590,606; June 29.
Organic material, Treating. E. Taylor. 1,590,602; June 29.
Organic material, Treatment of. E. Taylor. 1,590,601; June 29.
Organic material, Treatment of. E. Taylor. 1,590,607; June 29.
Overalls. F. O. Mahan. 1,590,843; June 29.
Package, Bag. W. O. Albig. 1,590,176; June 29.
Package-wrapping machine. P. H. Grimm and F. L. Cocks. 1,590,566; June 29.
Packaging merchandise. D. Nelson. 1,590,995; June 29.
Packing apparatus. H. P. Vail and E. P. Wright. 1,590,456; June 29.
Packing, Stern-tube. C. Zibbin. 1,590,271; June 29.
Packing such as is used for piston rods. W. R. Beldam. 1,590,801; June 29.
Pancreas, Manufacture of dry products from. R. Lepetit. 1,590,388; June 29.
Paper, Applying a sensitizing coating to. H. J. Brunk. 1,590,417; June 29.
Paper dispenser. J. F. Leidecker. 1,590,530; June 29.
Paper or similar article, Box-cover. J. Dornbusch. Des. 70,470; June 29.
Pencil, Mechanical. M. C. Taylor. 1,590,917; June 29.
Perylene compounds of quinone character, Manufacturing. A. Zinke. 1,590,661; June 29.
Petroleum emulsions, Treating. M. De Groote. 1,590,617; June 29.
Phonocinematography, Light source and light-sensitive, Coating for. J. Engl, H. Vogt, and J. Massolle. 1,590,185; June 29.
Phonograph, Automatic. O. Smith. 1,590,654; June 29.
Photographic camera and lens. A. F. Shore. 1,590,448; June 29.
Photographic film and making the same. E. Taylor and E. F. Chandler. 1,590,597; June 29.
Photographic typographical composing machines, Film exposing, developing, and finishing apparatus of. J. N. Banks. 1,590,796; June 29.
Photographing titles upon cinematographic films, Device for. A. N. Merle. 1,590,770; June 29.
Picture machines, Attachment for, Motion-. W. A. Randall. 1,590,253; June 29.
Picture machines, Shutter-control device for motion-. F. E. Garbutt and R. G. Fear. 1,590,361; June 29.
Pictures, Apparatus for reproducing motion. G. P. McDonnell. 1,590,199; June 29.
Pictures, Reproducing. Glen I. Keel. 1,590,380; June 29.
Piezo-electric device and producing the same. A. M. Nicolson. 1,590,311; June 29.
Pillow simulating doll, Sofa. W. Duncan and M. J. Duff. 1,590,927; June 29.
Pin lift, Coupler-. A. G. Hawkes. 1,590,291; June 29.
Pipe coupling. I. M. Riles. 1,590,908; June 29.
Pipe joint. F. L. Feisthamel. 1,590,357; June 29.
Pipe joint. W. R. Hume. 1,590,580; June 29.
Pipe-thread protector. M. Jacobs. 1,590,517; June 29.
Piston. C. L. Buettner and H. C. Mergel. 1,590,281; June 29.
Piston, Flexible skirt. L. R. Davis. 1,590,616; June 29.
Piston, Steam-engine-cylinder. C. Uebelmesser. 1,590,657; June 29.
Plant marker. G. A. Brakmeier. 1,590,722; June 29.
Plates, Joint for glass. L. Easterman. 1,590,890; June 29.
Plow. G. W. Hollandsworth. 1,590,191; June 29.
Plow. J. C. Stromatt. 1,590,916; June 29.
Plug, Two-way. B. Rogers. 1,590,207; June 29.
Plumb bob. F. J. Bernard. 1,590,410; June 29.
Pocket case. A. F. Benson. 1,590,492; June 29.
Portable stand. S. Marenge. 1,590,637; June 29.
Post: *See*—
Letter-box post.
Posting tray. H. S. Jones. 1,590,520; June 29.
Pouches, wallets, and all kinds of leather containers, Fastenings for. H. A. Widmer. 1,590,400; June 29.
Powder and the like, Making smokeless. E. Taylor. 1,590,598; June 29.
Powder composition, Blasting-. C. D. Pratt. 1,590,393; June 29.
Powder puffs and powder for toilet purposes, receptacle for containing. W. H. Calnan. 1,590,734; June 29.
Powder-dump body. J. C. Gay, R. E. Smith, and H. J. Quirk. 1,590,234; June 29.
Power shovel. J. R. Zygalinski. 1,590,662; June 29.
Press: *See*—
Printing press. Upholstering press.
Revolving press.
Pressure boiler, Constant. J. E. Oddon. 1,590,540; June 29.
Pressure gauge with deflator. G. A. Duerler. 1,590,966; June 29.
Price-exhibiting device. P. W. Fenton. 1,590,967; June 29.
Printing machine, Rotary web offset. B. J. J. Goulding. 1,590,742; June 29.
Printing press. O. C. F. Melsel. 1,590,230; June 29.
Propeller. I. L. Roberts. Re16,370; June 29.
Propeller, Aeronautical. S. A. Reed. 1,590,699; June 29.
Propelling mechanism for air navigators. A. Chiarelli. 1,590,735; June 29.
Puller: *See*—
Gear puller. Wheel puller.
Pulley with bushing. F. G. Still. 1,590,331; June 29.
Pulling machine. A. A. Shanklin. 1,590,446; June 29.
Pulp-cooking process, Chemical. G. Sivola. 1,590,987; June 29.
Pulp-forming machine. G. H. Kirsch. 1,590,383; June 29.
Pump. C. O. Rydberg. 1,590,320; June 29.
Pump. E. T. Street. 1,590,964; June 29.
Pump, Fuel. H. Wallace. 1,590,868; June 29.
Pump, Power. R. J. Fairchild. 1,590,432; June 29.
Pumping mechanism. B. C. Curby. 1,590,889; June 29.
Pumps, Pneumatic alleviator for hydraulic. F. McFarland. 1,590,587; June 29.
Pumps, Straining primer for. C. E. Anderson. 1,590,178; June 29.
Purchase indicator, Milk and produce. A. E. Aitken. 1,590,793; June 29.
Rack: *See*—
Display rack. Drying rack.
Rack, Adjustable. L. Klein and J. Papke. 1,590,296; June 29.
Radiator sun. W. Falkenberg. 1,590,932; June 29.
Radio apparatus, Winding form for. C. C. Cadden and H. Dewhirst. 1,590,282; June 29.
Radio broadcasting system, Wired. R. D. Duncan, jr. 1,590,428; June 29.
Radiodetector. L. C. Blume. 1,590,224; June 29.
Radio direction finding. L. M. Clement. 1,590,346; June 29.
Radio system. D. G. McCaa. 1,590,198; June 29.
Radio system. D. G. McCaa. 1,590,635; June 29.
Radiotable. A. H. Haag. Des. 70,474–5; June 29.
Radio transmission system. L. C. F. Horle. 1,590,374; June 29.

Rail liner, tie spacer, and rail-joint elevator, Combination. F. R. Sinning. 1,590,450; June 29.
Rail-sanding mechanism. W. C. Armstrong. 1,590,272; June 29.
Rail-tie plate. W. M. Osborn. 1,590,480; June 29.
Railway brakes and the like, Automatic slack adjuster for. A. R. K. Djurson. 1,590,502; June 29.
Railway crossing. W. T. McNinch. 1,590,767; June 29.
Railway gate, Automatic. S. N. Smith. 1,590,260; June 29.
Railway gate, Train-operated. A. Zukor. 1,590,612; June 29.
Railway-traffic-controlling apparatus. H. O. Holte. 1,590,825; June 29.
Railway-traffic-controlling apparatus. S. M. Lucas. 1,590,838–9; June 29.
Railways, Turntable for portable. O. Mäder. 1,590,534; June 29.
Raking attachment. J. H. Richardson. 1,590,906; June 29.
Ranges, Burner for electric. R. H. MacInnes. 1,590,468; June 29.
Reamers, Making. J. W. Emmons. 1,590,184; June 29.
Receptacle closure. W. P. Hart. 1,590,682; June 29.
Recording instrument. J. Brendle. 1,590,806; June 29.
Reed, Sounding. L. J. Grubman. 1,590,188; June 29.
Reflector, Paneled-. C. E. Godley. 1,590,740; June 29.
Refrigerating apparatus. A. A. Kucher. 1,590,384; June 29.
Refrigerating apparatus, Household. E. T. Williams. 1,590,218; June 29.
Registering instrument. C. H. Powell. 1,590,313; June 29.
Resins, Manufacture of artificial. R. Singer. 1,590,961; June 29.
Revolving press, Continuously-. T. and D. Stenhouse. 1,590,481; June 29.
Rim. F. R. Klaus. 1,590,762; June 29.
Rim. F. W. Schmidt. 1,590,958; June 29.
Ring, Finger. J. Wax. Des. 70,493; June 29.
Ring (Masonic), Wedding. D. D. and R. N. Schrager. Des. 70,488; June 29.
Rock-drill support. G. H. Gilman. 1,590,239; June 29.
Roll, Bending. J. S. Beall. 1,590,491; June 29.
Roll holder. L. F. Harris. 1,590,943; June 29.
Roll, Laying. C. Barlow and E. R. Clapp. 1,590,875; June 29.
Rolling mills, Construction of and driving arrangement for. L. Rothera, H. S. Carnegie, and J. C. Wilson. 1,590,854; June 29.
Roost, Poultry. J. O. Sabin. 1,590,856; June 29.
Rope-making machine. G. S. Gunderson. 1,590,576; June 29.
Rouge-feeding apparatus. J. Soderberg. 1,590,864; June 29.
Rubber articles, Mold for making hollow. J. L. Mahoney. 1,590,768; June 29.
Rubber-working rolls, Controlling the temperature of. M. A. Marquette. 1,590,638; June 29.
Rubbing machine. G. H. Ekstrom. 1,590,353; June 29.
Rug, Axminster. W. G. Wylie, jr. 1,590,986; June 29.
Safe, Match. J. E. Neahr. 1,590,642; June 29.
Sand injector. G. E. Ericsson. 1,590,816; June 29.
Sanitary built-in clean out. H. L. Gottesburen and J. P. Joyce. 1,590,501; June 29.
Sash, Casement. L. A. Peterson. 1,590,545; June 29.
Sash operator. J. R. Atwood. 1,590,997; June 29.
Sashes, Weather strip and buffer for window. R. T. Axe. 1,590,714; June 29.
Saw. W. J. Semelroth. 1,590,554; June 29.
Saw, Fret. A. Zopp. 1,590,488; June 29.
Saw trimmers, Saw-grinding attachment for. F. D. Bogdan. 1,590,412; June 29.
Sawing machines and planers, Guard for. L. L. Crane. 1,590,183; June 29.
Sawmill carriages, Combined setwork and recede for. G. E. Campbell. 1,590,988; June 29.
Screen: *See*—
Sound screen.
Screw and nut driving machine. S. K. Brown. 1,590,670; June 29.
Seal, Combination. H. S. Hasselquist. 1,590,976; June 29.
Sealing drive. J. G. King. 1,590,834; June 29.
Searchlights, Safety device for. F. W. Linstadt. 1,590,896; June 29.
Seed selecting and cleaning machine. O. Bunse. 1,590,723; June 29.
Semitrailer. L. R. Culver. 1,590,615; June 29.
Separator for milk and cream. G. A. Burnes. 1,590,807; June 29.
Sewing machine, Broom-. R. K. Thomson. 1,590,483; June 29.
Sewing two articles together. J. Höltermand. 1,590,686; June 29.
Shaft and cable support, Flexible. R. C. Angell. 1,590,666; June 29.
Sharpener, Shears. A. G. Ernst. 1,590,619; June 29.
Sheet material, Method and apparatus for assembling. J. R. Gammeter. 1,590,360; June 29.
Sheet-metal piling. J. Lindenlauf. 1,590,302; June 29.
Shell or projectile of the armor-piercing type. D. C. Hall. 1,590,290; June 29.
Shield, Cultivator. W. L. Hamblin. 1,590,941; June 29.
Ships, Gyroscopic stabilizer for. A. E. Schein. 1,590,778; June 29.
Shoe, Arch-supporting. J. Rakonick. 1,590,852; June 29.
Shoe-blacking stand. T. C. Whitehead. 1,590,996; June 29.
Shoe former. A. A. Durkee. 1,590,231; June 29.
Shoe protector. C. M. Fellman. 1,590,933; June 29.
Shoes and heel-securing means used in such method, Making. S. Palmieri. 1,590,312; June 29.
Shock absorber. T. H. Williams. 1,590,559–6; June 29.
Shock absorber. F. A. Dowler. 1,590,565; June 29.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,590,776; June 29.
Shovel: *See*—
Power shovel.
Shuttle. F. Pizzino. 1,590,546; June 29.
Side frame. D. S. Barrows. 1,590,799; June 29.
Signal: *See*—
Auto signal.
Signal reflector. W. R. Finlay. 1,590,358; June 29.
Signals, Actuating valve for vehicle. A. D. Willson. 1,590,789; June 29.
Silk and cellulose material, Treating. E. Taylor. 1,590,600; June 29.
Silk yarn for textile purposes, Preparing artificial-. S. Toda. 1,590,784; June 29.
Silos, Ensilage spreader for. A. Teske. 1,590,866; June 29.
Slate-splitting machine. V. F. Lake. 1,590,385; June 29.
Socket, Eccentric combination. F. J. Hinderliter. 1,590,510; June 29.
Socket, Pull-switch. C. E. Warner. 1,590,216; June 29.
Socket wrench. J. J. McGuckin. 1,590,200; June 29.
Solder to can caps, Apparatus for applying. L. D. Roe. 1,590,646; June 29.
Soldering iron. P. Madsen. 1,590,535; June 29.
Sound conveyer. M. W. Hirshfield. 1,590,627; June 29.
Sound, Reproducing. J. Tykocinski-Tykociner. 1,590,399; June 29.
Sound reproductions, Oscillatory body for. G. Selbt. 1,590,703; June 29.
Sound screen. F. L. Hopwood. 1,590,689; June 29.
Sound-signaling apparatus, Device for preventing undesired vibrations in. W. Hahnemann, F. Schenkelberger, A. du Bois-Reymond, and H. Hecht. 1,590,369; June 29.
Space discharge device. F. S. McCullough. 1,590,467; June 29.
Spectacle and like joint. E. Barnes. 1,590,719; June 29.
Speed-change mechanism. D. S. de Lavaud. 1,590,427; June 29.
Spinning filer. J. E. Lawton. 1,590,387; June 29.
Sport cap. H. Bender. 1,590,409; June 29.
Spraying device. P. Erby. 1,590,430; June 29.
Spring. A. Simons. 1,590,211; June 29.
Spring retarder. H. Izard. 1,590,691; June 29.
Stand: *See*—
Portable stand. Shoe-blacking stand.
Static dynamic balance-testing machine, Continuous. J. Lundgren. 1,590,840; June 29.
Steering and pumping mechanism. F. V. Medynski. 1,590,900; June 29.
Steering columns, Bushing for motor-vehicle. F. H. Ragan. 1,590,205; June 29.
Steering mechanism, Automobile. G. A. Samuels. 1,590,858; June 29.
Sterilizing agents, germicides, and the like, Preparation of. C. H. H. Harold. 1,590,372; June 29.
Stove and cabinet interconnecting means, Combined. W. H. Bodurtha. 1,590,721; June 29.
Stoves, Lighting device for kerosene. R. H. and E. C. Dieckhoff. 1,590,349; June 29.
Strap: *See*—
Wrist-watch strap.
Stripper. C. S. Emert. 1,590,429; June 29.
Superheater, Radiant. B. Broido. 1,590,180; June 29.
Supporting device. D. C. Lamb. 1,590,980; June 29.
Supporting device, Adjustable. B. Corsgren. 1,590,726; June 29.
Surfacer. I. M. Abram. 1,590,342; June 29.
Swimming performances, Device for the augmentation of human. W. Völker. 1,590,484; June 29.
Switch: *See*—
Geared limit switch. Lock switch.
Switches, Locking device for ignition. F. Lockyer. 1,590,981; June 29.
Switching device. C. Aalborg. 1,590,402; June 29.
Switching device. B. O. Austin. 1,590,405; June 29.
Synchronizing device. W. W. McLaren. 1,590,694; June 29.
Synchronizing in picture-transmission systems, Method and apparatus for. E. F. Watson. 1,590,270; June 29.
Table: *See*—
Dressing table.
Take-up. C. A. Scheaffer and W. M. Shelpe. 1,590,701; June 29.
Telephone instrument, Substation. J. Erickson and H. F. Obergfell. 1,590,355; June 29.
Telephone receiver. H. C. Egerton. 1,590,618; June 29.
Telephone system, Automatic. J. Wicks. 1,590,217; June 29.
Temperature indicator. J. E. Smiser. 1,590,556; June 29.
Textile fabric. J. S. Boyd. Des. 70,464–8; June 29.
Textile fabric. H. S. Day. Des. 70,469; June 29.
Therapeutic device. D. B. Catlin. 1,590,283; June 29.

Thermometer. A. A. Benedict. 1,590,613; June 29.
Tie: *See*—
Metal cross tie.
Time-limit induction relay. W. H. Petersén. 1,590,952; June 29.
Tire liner, Automobile. M. P. Finnegan. 1,590,568; June 29.
Tire, Resilient. L. McKinnon. 1,590,533; June 29.
Tire rim. F. L. Todd. 1,590,397; June 29.
Tire-vulcanizing mold. F. L. Johnson. 1,590,377; June 29.
Tires, Apparatus for use in inspecting. E. H. Marsh, jr. 1,590,639; June 29.
Tires from their rims, Device for removing pneumatic. J. B. Smith. 1,590,212; June 29.
Titanic and zinc compounds, Manufacture of. P. Pierreaut and A. Helbronner. 1,590,697; June 29.
Toilet-seat operating and cushioning device. R. P. Landis. 1,590,298; June 29.
Token holder. J. J. Steffes. 1,590,591; June 29.
Toothbrush. R. M. McMillin. 1,590,842; June 29.
Torch, Gas. H. E. Brown and J. Hrebenyar. 1,590,882; June 29.
Toy. R. F. Frye and F. H. Chatterton. 1,590,573; June 29.
Toy, Christmas. A. B. Jones. 1,590,519; June 29.
Toy, Dancing figure. E. E. Childs. 1,590,563; June 29.
Toy gun. H. A. Miksch. 1,590,538; June 29.
Toy motion-picture machine. H. S. Hanstine. 1,590,743; June 29.
Toy, Optical. R. W. Wood. 1,590,463; June 29.
Toy railway locomotives, Contact for. H. C. Ives. 1,590,628; June 29.
Toy trackway. E. G. Howard. 1,590,242; June 29.
Traction mechanism. G. H. Gilman. 1,590,238; June 29.
Tractor hitch. N. O Johnson and E. C. Anderson. 1,590,582; June 29.
Tractors, Coupling for. E. Y. Scott. 1,590,702; June 29.
Tractors, Hydraulic steering apparatus for. C. L. Boisset. 1,590,226; June 29.
Train connection. J. Merryweather. 1,590,537; June 29.
Train-line connecter, Electric. H. F. Woernley. 1,590,338; June 29.
Transmission. L. Krupp. 1,590,949; June 29.
Transmission-clutch mechanism. W. A. McCarrell. 1,590,304; June 29.
Transmission, Flexible. E. Caretta. 1,590,724; June 29.
Transmission regulation. R. D. Gibson. 1,590,362; June 29.
Transmission system. R. E. Hellmund. 1,590,508; June 29.
Trap: *See*—
Animal trap. Fly trap.
Tray, Sandwich. O. Kopel. Des. 70,478–81; June 29.
Tree and similar structure, Artificial. W. Wurts. 1,590,220; June 29.
Tree-notching device. J. A. Kaye. 1,590,464; June 29.
Tree surgery. S. L. Barber. 1,590,923; June 29.
Truck bolster. H. A. Herndon and F. H. Riester. 1,590,745; June 29.
Truck, Industrial. W. C. Carr. 1,590,496; June 29.
Truck, Side equalized. F. L. Alben. 1,590,403; June 29.
Truck, Tie. G. B. Shipley. 1,590,863; June 29.
Truck support and guide. J. A. Killinger and A. W. Bean. 1,590,894; June 29.
Tub. H. H. Darrow. 1,590,738; June 29.
Tube: *See*—
Boiler tube. Electric discharge tube.
Collapsible tube.
Tube frame. E. F. Clark. 1,590,672; June 29.
Tube holder and contents dispenser. F. Highley. 1,590,626; June 29.
Tube holder and protector. R. W. Fox. 1,590,969; June 29.
Tube-plate construction. S. H. Barnum and G. Welter. 1,590,876; June 29.
Tubes, Valve mechanism for inner drill-casing. C. A. Rasmussen and W. H. Rinehart. 1,590,645; June 29.
Tumbler. T. C. Helsey. Des. 70,476; June 29.
Tumbler lock. J. A. Fremon. 1,590,232; June 29.
Turbine blading, Fastening means for. J. E. Snyder. 1,590,328; June 29.
Type forms, Preparing. C. W. Eberhard. 1,590,566; June 29.
Typewriting machine. E. E. Barney. 1,590,407; June 29.
Typewriting machine. J. B. Holden. 1,590,511; June 29.
Typewriting machine. A. G. F. Kurowski. 1,590,632; June 29.
Typewriting machine. G. A. Selb. 1,590,445; June 29.
Typewriting machine. J. Waldheim. 1,590,658; June 29.
Typewriting machines, Feed mechanism for. L. Reischl. 1,590,552; June 29.
Typographical machines, Matrix-distributing mechanism for. H. R. Freund. 1,590,937; June 29.
Typographical machines, Matrix distributor for. H. R. Freund. 1,590,938; June 29.
Typographical machines, Matrix for. H. R. Freund. 1,590,936; June 29.
Ultra-violet electrode. W. Falkenberg. 1,590,930; June 29.
Umbrella. S. C. Vincent. 1,590,867; June 29.
Underreamer. R. Collier. 1,590,422; June 29.
Universal cord take-up. S. M. Coffman. 1,590,421; June 29.
Universal joint. E. E. Culbertson. 1,590,285; June 29.
Universal joint. H. M. Funnell. 1,590,992; June 29.
Unloading of material, Apparatus for hydraulic. P. J. Lemaitre. 1,590,531; June 29.
Upholstering press. J. G. Jordan and J. O. Taylor. 1,590,978; June 29.
Vacuum lines, Valve for. C. M. Anderson. 1,590,794; June 29.
Valve, Adjustable time and phase distributing. D. Stenhouse. 1,590,558; June 29.
Valve box, Gas shut-off. G. T. Moeschen. 1,590,844; June 29.
Valve, Carburetor thermostatic needle. T. Linga. 1,590,197; June 29.
Valve-guide-aligning tool. F. W. Sanborn, jr. 1,590,209; June 29.
Valve holder and pipe anchor, Pressure-retaining. R. W. Burnett. 1,590,733; June 29.
Valve mechanism. H. S. Humphrey. 1,590,516; June 29.
Valve, Multiple regulator. F. H. Schubert. 1,590,323; June 29.
Valve, Quick-opening water-glass. H. Gehbauer. 1,590,818; June 29.
Valve, Rock-drill. W. A. Smith. 1,590,261; June 29.
Valve, Sealed. A. W. Mellowes. 1,590,389; June 29.
Valve, Self-closing and positive gas cut-off. H. Kennell. 1,590,761; June 29.
Valve, Thermostatic. W. R. Zimmerman. 1,590,922; June 29.
Valve, Three-way. C. E. Foote. 1,590,359; June 29.
Vanity case or similar article. F. M. Wojciechowski. Des. 70,494; June 29.
Vapor closet. P. J. Donovan. 1,590,289; June 29.
Vapor sadiron. H. A. Koenig. 1,590,245; June 29.
Vaporizer. H. S. Lamb. 1,590,764; June 29.
Vehicle and traction machine, Combined. E. G. Staude and V. A. Boker. 1,590,453; June 29.
Vehicle spring controller. J. B. Harris. 1,590,579; June 29.
Vehicle wheel. A. J. Chapin. 1,590,284; June 29.
Vehicle wheel. E. Deister. 1,590,288; June 29.
Vehicle wheel, Motor-. W. H. S. Moore. 1,590,774; June 29.
Vehicles, Antislip device for. P. Fischer. 1,590,434; June 29.
Vehicles, Apparatus for indicating changes of direction for road. E. Fillettaz. 1,590,817; June 29.
Vehicles, Rebound damper and shock absorber for motor road. F. Smith. 1,590,395; June 29.
Velocipede. S. W. Orr. 1,590,696; June 29.
Vending machine. D. K. Campbell. 1,590,925; June 29.
Vending machine. L. D. Roberts. 1,590,700; June 29.
Viscose and similar cellulose solutions, Production of hollow bodies from. E. Czapek and R. Weingand. 1,591,000; June 29.
Volt meter, Crest. J. Slepian. 1,590,451; June 29.
Voltages, Excess-voltage conductor for high-working. E. Pfiffner. 1,590,440; June 29.
Walls, Making tubular corrugated. J. V. Giesler. 1,590,237; June 29.
Warp-drawing machine. E. F. Hathaway. 1,590,621; June 29.
Washing machine. J. J. Dossert and E. E. Greaves. 1,590,729; June 29.
Washing machine. Z. Hallquist. 1,590,370; June 29.
Washing machine and drier, Combined dish and clothes. D. R. Means. 1,590,470; June 29.
Water heater. H. S. Humphrey. 1,590,515; June 29.
Water mains, Device for making tap connections to. J. F. Funselow. 1,590,186; June 29.
Water, Softening. F. Schmidt. 1,590,913; June 29.
Water system service protector and electrical ground, Combined. F. W. Seymour and D. A. Gillen. 1,590,590; June 29.
Water wheels, Safety device for. S. A. Scanavino. 1,590,912; June 29.
Weather strip. J. G. S. Hall. 1,590,974; June 29.
Weight gauge. G. H. Peterson. 1,590,544; June 29.
Weight levers, Adjusting means for. E. Dixon. 1,590,351; June 29.
Wheel: *See*—
Car wheel. Vehicle wheel.
Finishing wheel.
Wheel puller. P. C. Grover. 1,590,973; June 29.
Whist indicator. J. M. Hogan. Des. 70,477; June 29.
Widthing machine for planks and laths. J. Brouwer. 1,590,881; June 29.
Windmill. P. R. Campion. 1,590,495; June 29.
Window blind. F. Carella. 1,590,886; June 29.
Window mounting. P. G. Pfeil. 1,590,984; June 29.
Window-operating apparatus. C. Miller. 1,590,473; June 29.
Window structure. W. J. Glemm. 1,590,763; June 29.
Windshield. G. Williams. 1,590,660; June 29.
Wood, Destructive distillation of. J. S. Morgan. 1,590,447; June 29.
Wood-treating apparatus. G. B. Shipley. 1,590,447; June 29.
Wrench: *See*—
Socket wrench.
Wrapping machine. H. H. Metcalf. 1,590,472; June 29.
Wrapping machines, Sealing means for. R. E. Rundell. 1,590,208; June 29.
Wrist-watch strap. C. A. Mealy. 1,590,641; June 29.
X-ray apparatus, Portable. W. Falkenberg. 1,590,929; June 29.

CLASSIFICATION OF PATENTS

ISSUED JUNE 29, 1926.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 49.4: 1,590,808
2— 42: 1,590,693
172: 1,590,322
176: 1,590,409
230: 1,590,843
4— 173: 1,590,738
214: 1,590,345
251: 1,590,296
5— 18: 1,590,276
1,590,785
95: 1,590,550
336: 1,590,522
7— 13: 1,590,554
9— 2: 1,590,975
21: 1,590,484
26: 1,590,307
12— 30: 1,590,904
128.6: 1,590,231
136: 1,590,737
14— 71: 1,590,317
15— 26: 1,590,842
49: 1,590,671
137: 1,590,547
185: 1,590,267
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